400S PARTS MANUAL

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snorkel

600S



CE

REPAIR PARTS MANUAL

Part Number 1433684
October 2018

Serial numbers 00000 and after

DANGER

The aerial platform is not electrically insulated. Death or serious injury will result from contact with, or inadequate clearance from, an energized conductor.

Do not go closer than the Minimum Safe Approach Distance as defined by ANSI standards.

Regard all conductors as energized.

Allow for electrical wire sag and aerial platform sway.

If the platform, boom structure, or any part of the aerial platform contacts a high-voltage electrical conductor, the entire machine can become electrically charged.

If that happens, remain on the machine and do not contact any other structure or object. This includes the ground, adjacent buildings, poles, and any other objects that are not part of the aerial platform.

Such contact could make your body a conductor to the other object, creating an electrical shock hazard resulting in death or serious injury.

If an aerial platform is in contact with an energized conductor the platform operator must warn ground personnel in the vicinity to stay away. Their bodies can conduct electricity creating an electrical shock hazard resulting in death or serious injury.

Do not approach or leave the aerial platform until the electricity has been turned off.

Do not attempt to operate the lower controls when the platform, scissors structure, or any part of the aerial platform is in contact with a high-voltage electrical conductor or if there is an immediate danger of such contact.

Personnel on or near an aerial platform must be continuously aware of electrical hazards, recognizing that death or serious injury can result from contact with an energized conductor.

California

Proposition 65 Warning

Battery posts, terminals and related accessories contain lead and lead components, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

California

Proposition 65 Warning

Diesel and gasoline engine exhaust and some of its constituents are known by the State of California to cause cancer, birth defects or other reproductive harm.

General Information

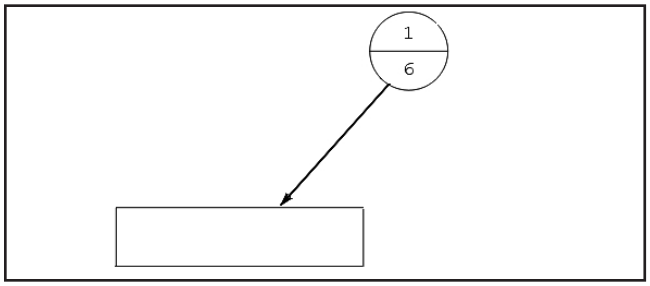
About This Manual

This manual covers 400S aerial platforms. Information is included for machines that have been manufactured to conform to all applicable requirements of the following organizations:

- American National Standards Institute (ANSI)
- Canadian Standards Association (CSA)
- European Committee for Standardization (CE)
- Australian/New Zealand Standards (AS/NZS)

Part pages include a drawing and a bill of material. The bill of material lists the item number that is on the drawing, the Snorkel part number, quantity used and a description of the item.

Some callouts in the drawings may have a balloon with two numbers. The top number is the item number and the bottom number is the quantity of the item at that location.



While Snorkel has attempted in every way to confirm that all information in this manual is correct, improvements are being constantly made to the machine that may not be reflected in this manual.

If you find information in this manual that is not correct or is confusing, you are urged to report your findings to Snorkel for our evaluation. Your input is important to us and will be used in future printings of this manual.

This machine is covered by a limited warranty that specifically identifies items warrantied by Snorkel and those items covered by original manufacturer's warranty.

Repairs and Maintenance

Every person who maintains, inspects, tests or repairs the machine must be qualified and authorized to do so.

⚠Caution

Do not modify this aerial platform without prior written consent of Snorkel Engineering Department. Modification may void the warranty, adversely affect stability or affect the operational characteristics of the aerial platform.

Abbreviations

The following abbreviations may be used in this manual.

AC	alternating current
ANSI	American National Standards Institute
AR	as required
CCA	cold cranking amps
cm	centimeter
DC	direct current
ft	feet
GFCI	ground fault circuit interruptor
in	inch
lbs	pounds
mm	millimeter
no	number
NPT	national pipe thread
psi	pounds per square inch
qty	quantity
rpm	revolutions per minute
UL	Underwriters Laboratories Inc.

Additional Information

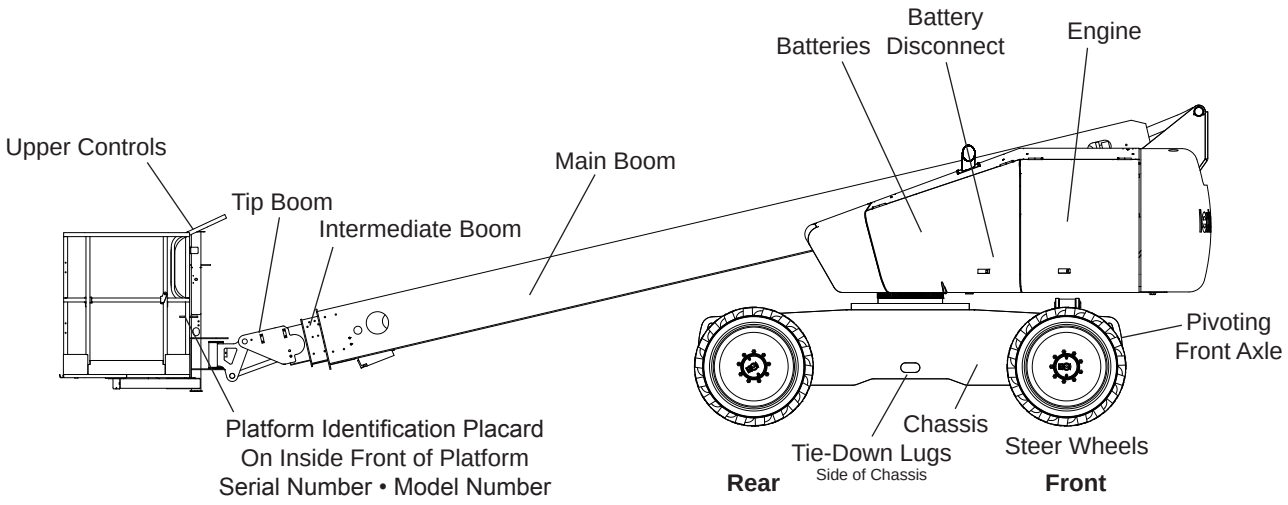
All correspondence relative to this machine, such as field reports, discrepancy reports, requests for information, etc., should be directed to:

Snorkel North America
P.O. Box 1160
St. Joseph, MO 64502-1160 USA
Phone: 1-800-255-0317

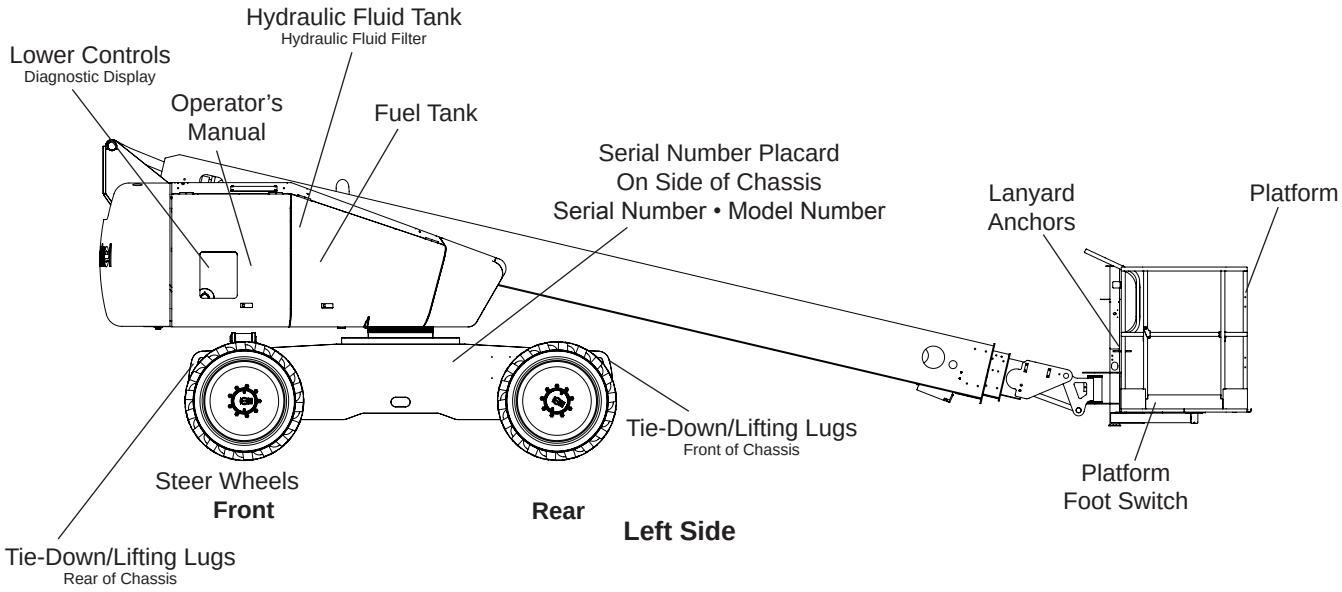
Snorkel Europe
Vigo Centre
Birtley Road
Washington
Tyne & Wear
NE38 9DA
Phone: +44 (0) 845 1550 058

http://www.snorkellifts.com

Component Identification



Right Side



Left Side

Service and Parts Information

Ordering Parts

When placing an order for service or repair parts, please have the following machine information readily available.

- Model number
- Serial number
- Snorkel part number
- Description of part
- Quantity of parts required
- Your purchase order number
- Address for order to ship to
- The desired shipment method

If ordering parts off-line, the parts order form on the following page may be mailed or faxed to the attention of the Parts Department at the following location:

Snorkel North America
P.O. Box 1160
St. Joseph, MO 64502-1160 USA
Phone: 1-800-255-0317
Parts Fax: 1-785-989-3077

Snorkel Europe
Vigo Centre
Birtley Road
Washington
Tyne & Wear
NE38 9DA
Phone: +44 (0) 845 1550 058
Parts Fax: +44 (0) 1952 607 678

Attention: Parts Department

For your convenience, our electronic on-line ordering system is accessible from the following Internet location:

http://www.snorkellifts.com

ANSI and OSHA Compliance

All owners and users of the aerial platform must read, understand and comply with all applicable regulations. Ultimate compliance to OSHA regulations is the responsibility of the user and their employer.

ANSI publications clearly identify the responsibilities of all personnel who may be involved with the aerial platform. A reprint of the “Manual of Responsibilities for Dealers, Owners, Users, Operators, Lessors and Lessees of ANSI/SIA A92.5-2006 Boom-Supported Elevating Work Platforms” is available from Snorkel dealers or from the factory upon request.

Copies are also available from:

Scaffold Industry Association, Inc.
P.O. Box 20574
Phoenix, AZ 85036-0574 USA

Manuals

Manuals are available from Snorkel to support any of the machines that we produce.

The specific manuals for 400S aerial platforms are as follows:

400S – Operator’s Manual ANSI/CSA/CE/AS/NZS
Snorkel part number – 1433682

400S – Repair Parts Manual
Snorkel part number – 1433684

ANSI Manual of Responsibilities
ANSI/SIA A92.5-2006
Snorkel part number – 0084053

Machine Information

Model Number: _____

Serial Number: _____

Date of Purchase: _____

Purchased From: _____

Snorkel Dealer or Distributor: _____

Parts Order Form

Fill out completely and fax attention Parts Department to:
Snorkel USA 1-785-989-3077
Snorkel Europe +44 (0) 1952 607 678

Date: _____

Company: _____

Address: _____

_____

_____

Contact Name: _____

Phone Number: _____

Fax Number: _____

Account Number: _____

Purchase Order Number: _____

Model Number: _____

Serial Number: _____

Ship To: _____

_____

_____

_____

Shipping Method: _____

Part Number	Description	Quantity

Note: Backordered parts will be shipped as soon as available using the same shipping method as the original order unless otherwise indicated below.

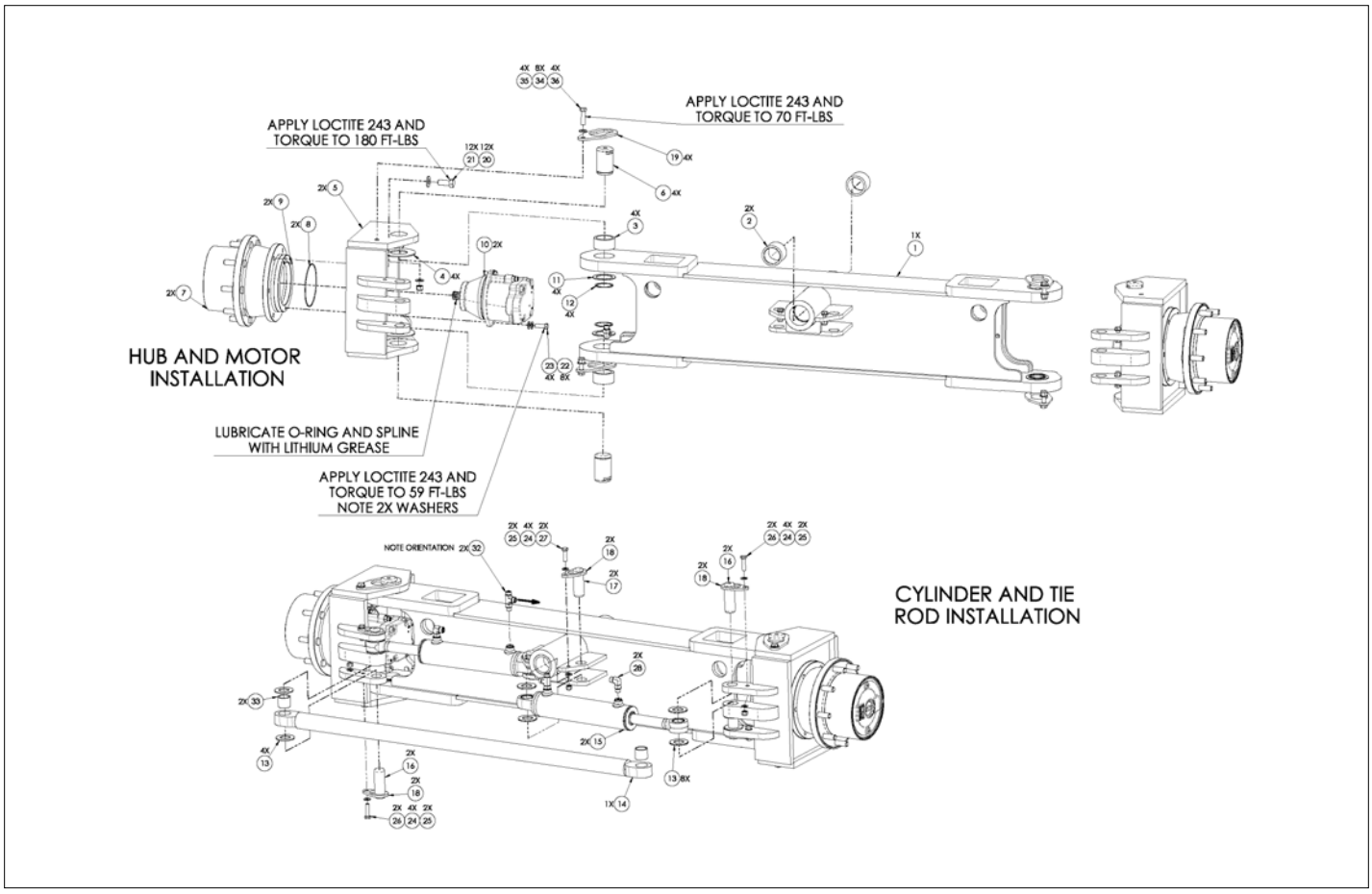
☐ Ship complete order only. Do not backorder parts.

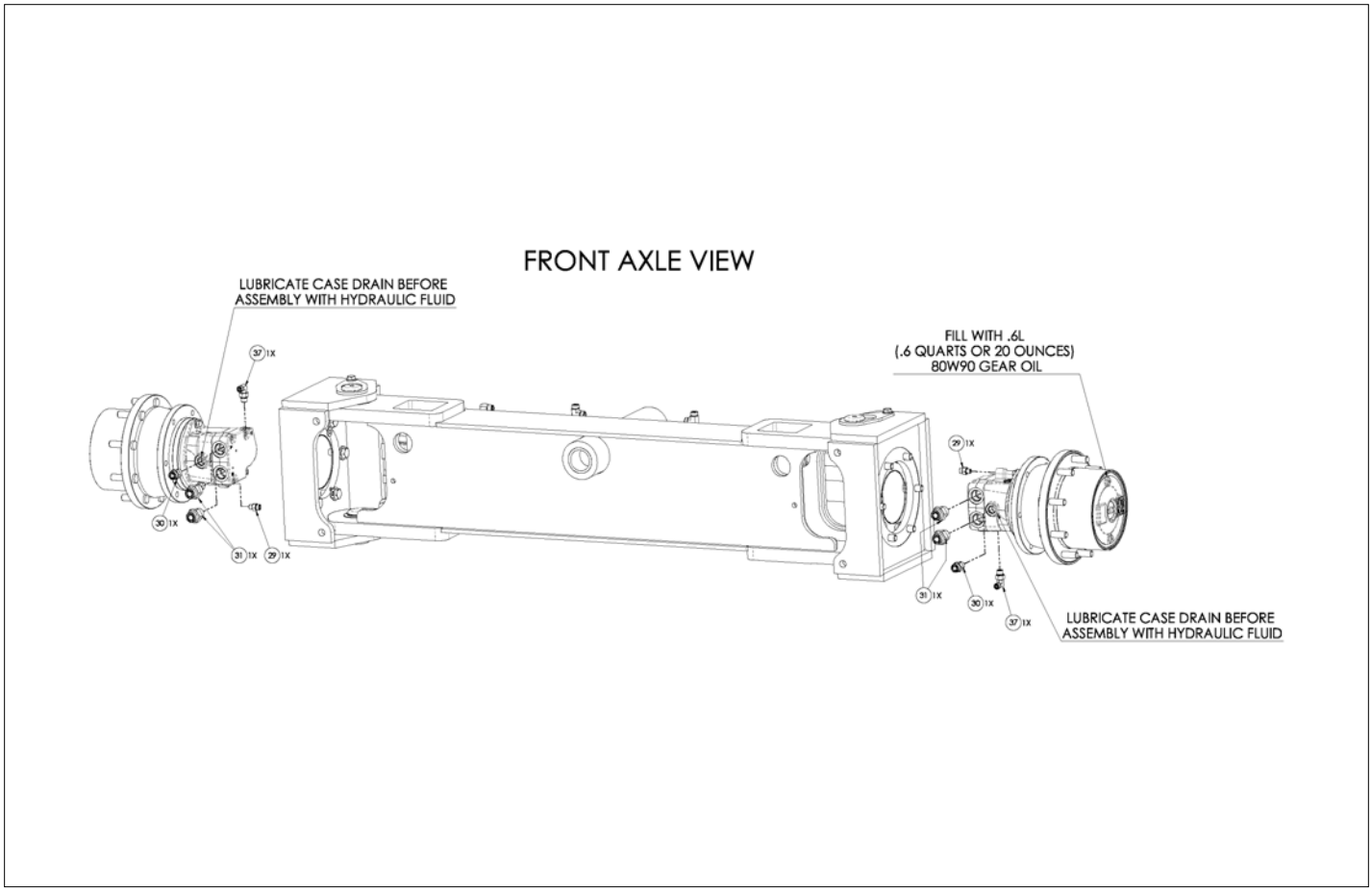
☐ Ship all available parts and disposition of backordered parts.

☐ Other instructions as specified: _____

_____

REPAIR PARTS

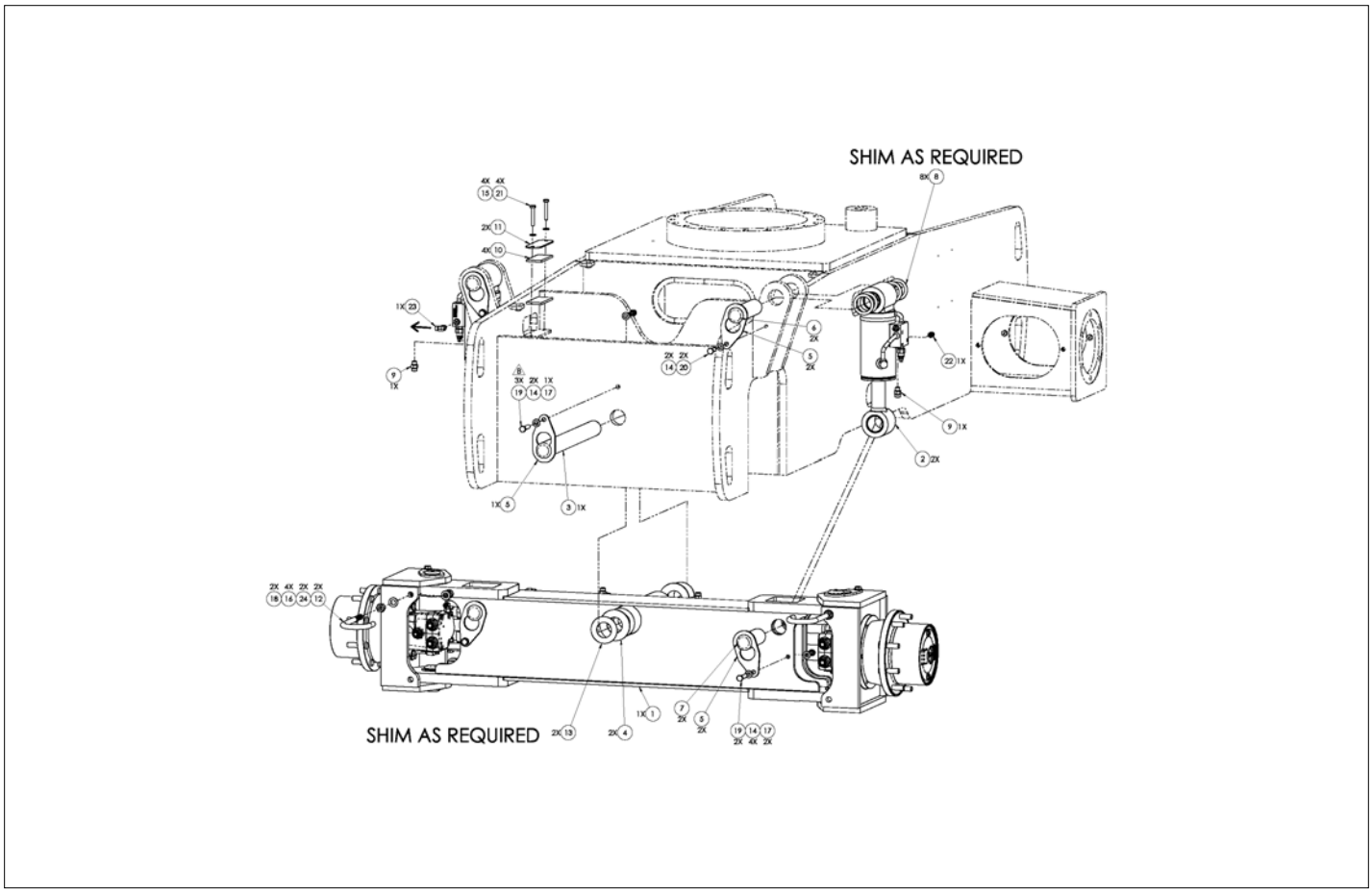



FRONT AXLE VIEW
LUBRICATE CASE DRAIN BEFORE ASSEMBLY WITH HYDRAULIC FLUID
FILL WITH .6L (.6 QUARTS OR 20 OUNCES) 80W90 GEAR OIL
37 1X
30 1X
31 1X
29 1X
LUBRICATE CASE DRAIN BEFORE ASSEMBLY WITH HYDRAULIC FLUID

アイテム	部品番号	名前	数量	UOM
-	1433006A	FRONT AXLE ASSEMBLY 400S/460SJ		EA
1	1433007	WLDMT AXLE FRONT 400S/460SJ	1	EA
2	2509856	GARMAX BRG 2X2.5X2	2	EA
3	2509857	GARMAX BRG 2X2.5X1.25	4	EA
4	2509859	OILITE BRONZE THRUST 2.0 X 4.0	4	EA
5	1433011	UPRIGHT-400S/460SJ	2	EA
6	1432602	KINGPIN-AXLE	4	EA
7	116324-000	Wheel Gearbox	2	EA
8	0260099	O-Ring	2	EA
9	0260070	O-Ring	2	EA
10	104665-001	DRIVE MOTOR HYD 38cc/9.22cc	2	EA
-	6092096	SEAL KIT FOR 104665-001	1	EA
11	5563838	BUSHING MACHINE 2.00X2.75X.063	4	EA
12	5592024	SPIRAL SNAP RING EXT 2.00"	4	EA
13	2509858	GARMAX THRUST WASHER 1.25x.125	12	EA
14	1433016	TIE ROD-STEERING	1	EA
15	5290014	CYLINDER, STEER	2	EA
16	1432603	PIN-UPRIGHT, STEER	4	EA
17	1432605	PIN-AXLE TIE ROD	2	EA
18	1432604	PIN RETAINER-STEER	6	EA
19	1432612	PIN RETAINER 2.0"	4	EA
20	5560169	WSHR FLAT HARD .625 SP	12	EA
21	5563118	BOLT HEXHD 5/8-11 x 1 1/4 GR8	12	EA
22	5563393	WASHER FLAT .438 HARDENED	8	EA
23	5563116	Bolt, HDD	4	EA

アイテム	部品番号	名前	数量	UOM
24	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	12	EA
25	056064-010	Nut NylockNut DIN985 M10 10.0	6	EA
26	058509-040	BOLT HEXBOLT DIN931 M12 X 40MM 10.9 DACROMET	4	EA
27	5563898	HHCS M10 X 35 G10.9 DIN 931	2	EA
28	511481-000	FTG, 90 ° , 6MORFF X 6MORB	2	EA
29	100432-002	Hyd Fitting - Straight ORFS(04) - SAE(04)	2	EA
30	100432-015	FTG, STR, 8MORFF X 8MORB	2	EA
31	106964-002	FTG, STR, 10MORFF X 12MORB	4	EA
32	5033095	TEE RUN, 6MORB X 6MORFS X MMORFS	2	EA
33	2500035	BEARING	2	EA
34	056069-012	WASHER DIN125A M12 ZP	8	EA
35	056064-012	NUT HEX M12 X 1.75 GR 10.9 SELF LOCKING DIN 985	4	EA
36	5563920	HHCS M12 X 1.75 X 45 GR 10.9	4	EA
37	100434-004	Hyd Fitting - 90 Elbow ORFS(04)-SAE(06)	2	EA

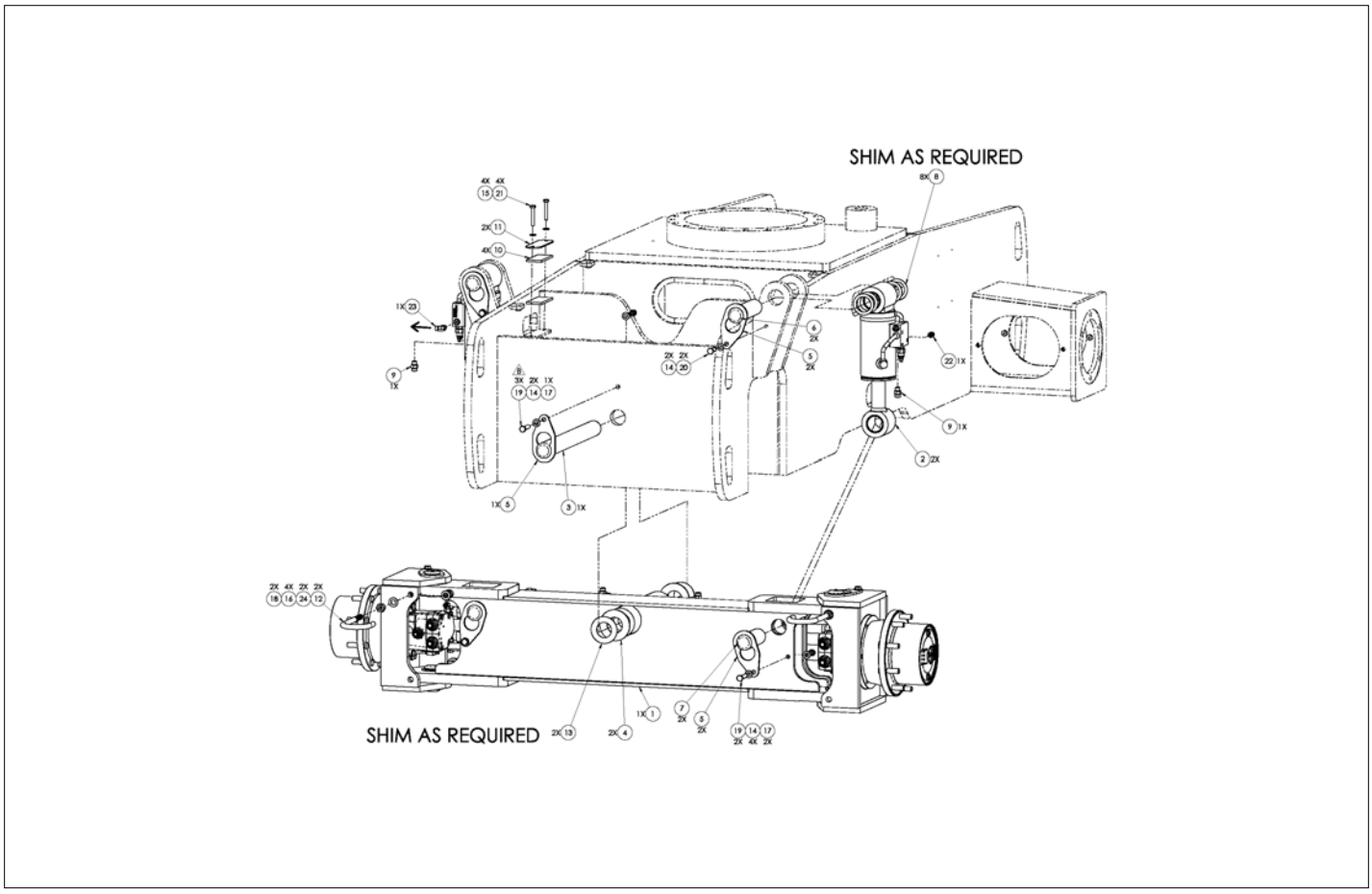
REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
-	1433005D	FRONT AXLE AND DRIVE SYSTEM INSTALL		EA
1	1433006	ASSY-FRONT AXLE, 400S/460SJ	1	EA
2	5290012	CYLINDER, OSC	2	EA
3	1432613	PIN-OSC AXLE PIVOT	1	EA
4	2509859	OILITE BRONZE THRUST 2.0 X 4.0	2	EA
5	1432612	PIN RETAINER 2.0"	5	EA
6	1432609	PIN-OSC CYLINDER	2	EA
7	1432610	PIN-OSC CYL, LOWER	2	EA
8	5563838	BUSHING MACHINE 2.00X2.75X.063	8	EA
9	100432-009	Hyd Fitting Straight ORFS(06) - SAE(06)	8	EA
10	1432618	SPACER RUBBER	4	EA
11	1432619	CLAMP FLAT HOSE	2	EA
12	1432833	HOOK-AXLE HOSE	2	EA
13	5563888	SHIM 2.00 X 3.50 X .048	2	EA
14	056069-012	WASHER DIN125A M12 ZP	8	EA
15	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	4	EA
16	056069-016	WASHER STEELFLATWASHER M16 DIN	4	EA
17	056064-012	NUT HEX M12 X 1.75 GR 10.9 SELF LOCKING DIN 985	3	EA
18	056064-016	NUT NYLOCKNUT DIN985 M16 10.0	2	EA
19	057052-050	BOLTHEXBOLT DIN983 M12 X 50MM 10.9 DACROMET	2	EA
20	514160-035	Bolt, HexSetScrew DIN933 M12 x 35MM	2	EA
21	058059-075	HHCS M10 X 75MM	4	EA
22	100432-002	Hyd Fitting - Straight ORFS(04) - SAE(04)	1	EA

アイテム	部品番号	名前	数量	UOM
23	100434-002	FITTING 4MORFF X 4MORB 90 °	1	EA
24	056067-016	NUT, HEX NUT DIN934 M16 8.0 ZINCPLATED	2	EA

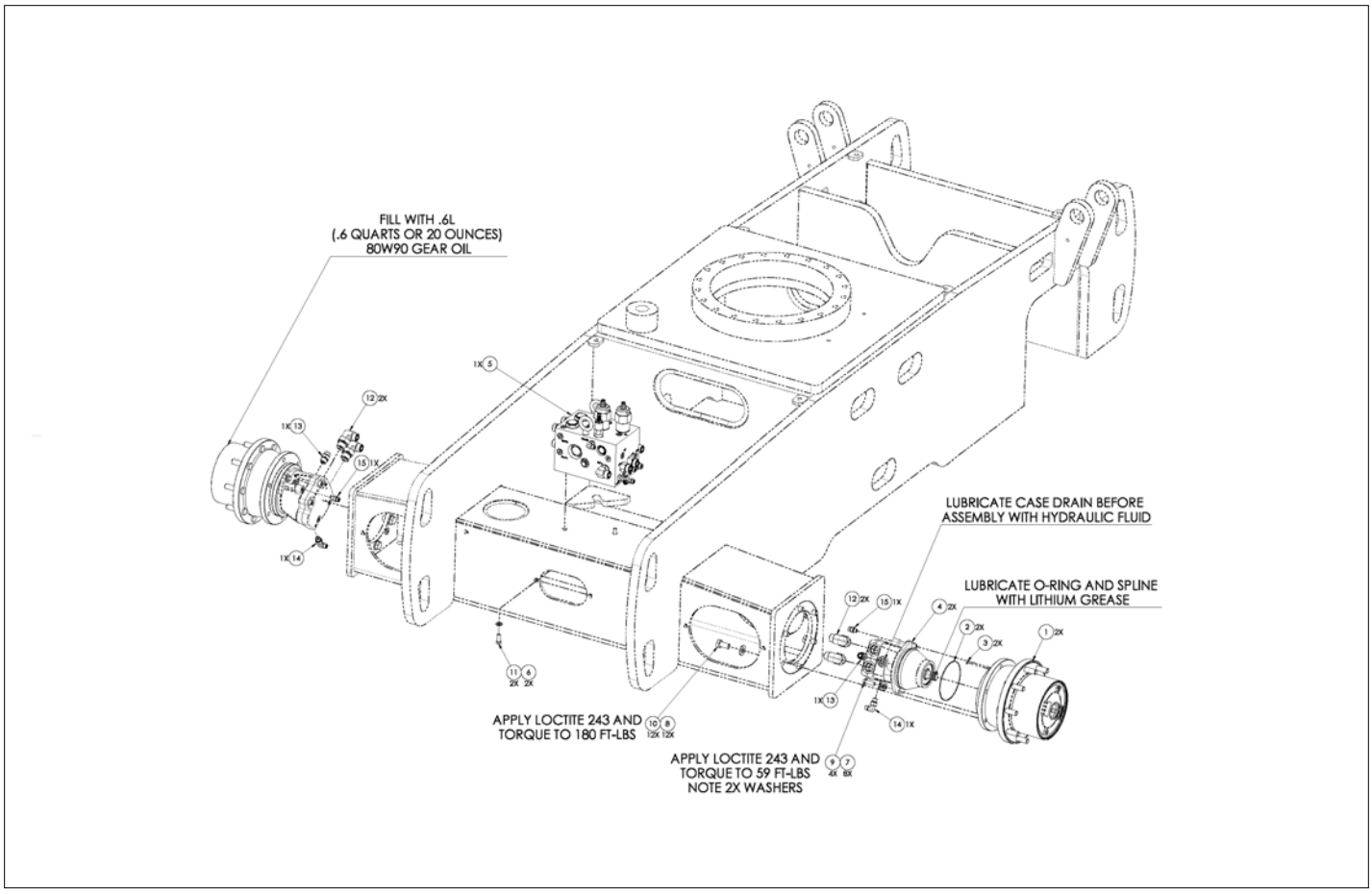
REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
-	1433005B	FRONT AXLE AND DRIVE SYSTEM INSTALL		EA
1	1433006	ASSY-FRONT AXLE, 400S/460SJ	1	EA
2	5290012	CYLINDER, OSC	2	EA
3	1432613	PIN-OSC AXLE PIVOT	1	EA
4	2509859	OILITE BRONZE THRUST 2.0 X 4.0	2	EA
5	1432612	PIN RETAINER 2.0"	5	EA
6	1432609	PIN-OSC CYLINDER	2	EA
7	1432610	PIN-OSC CYL, LOWER	2	EA
8	5563838	BUSHING MACHINE 2.00X2.75X.063	8	EA
9	100432-009	Hyd Fitting Straight ORFS(06) - SAE(06)	8	EA
10	1432618	SPACER RUBBER	4	EA
11	1432619	CLAMP FLAT HOSE	2	EA
12	1432833	HOOK-AXLE HOSE	2	EA
13	5563888	SHIM 2.00 X 3.50 X .048	2	EA
14	056069-012	WASHER DIN125A M12 ZP	8	EA
15	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	4	EA
16	056069-016	WASHER STEELFLATWASHER M16 DIN	4	EA
17	056064-012	NUT HEX M12 X 1.75 GR 10.9 SELF LOCKING DIN 985	3	EA
18	056064-016	NUT NYLOCKNUT DIN985 M16 10.0	2	EA
19	057052-055	Bolt, Hexbolt DIN931 M12 x 55m	2	EA
20	514160-035	Bolt, HexSetScrew DIN933 M12 x 35MM	2	EA
21	058509-060	BOLT HEX BOLT DIN931 M10X60MM	4	EA
22	100432-002	Hyd Fitting - Straight ORFS(04) - SAE(04)	1	EA

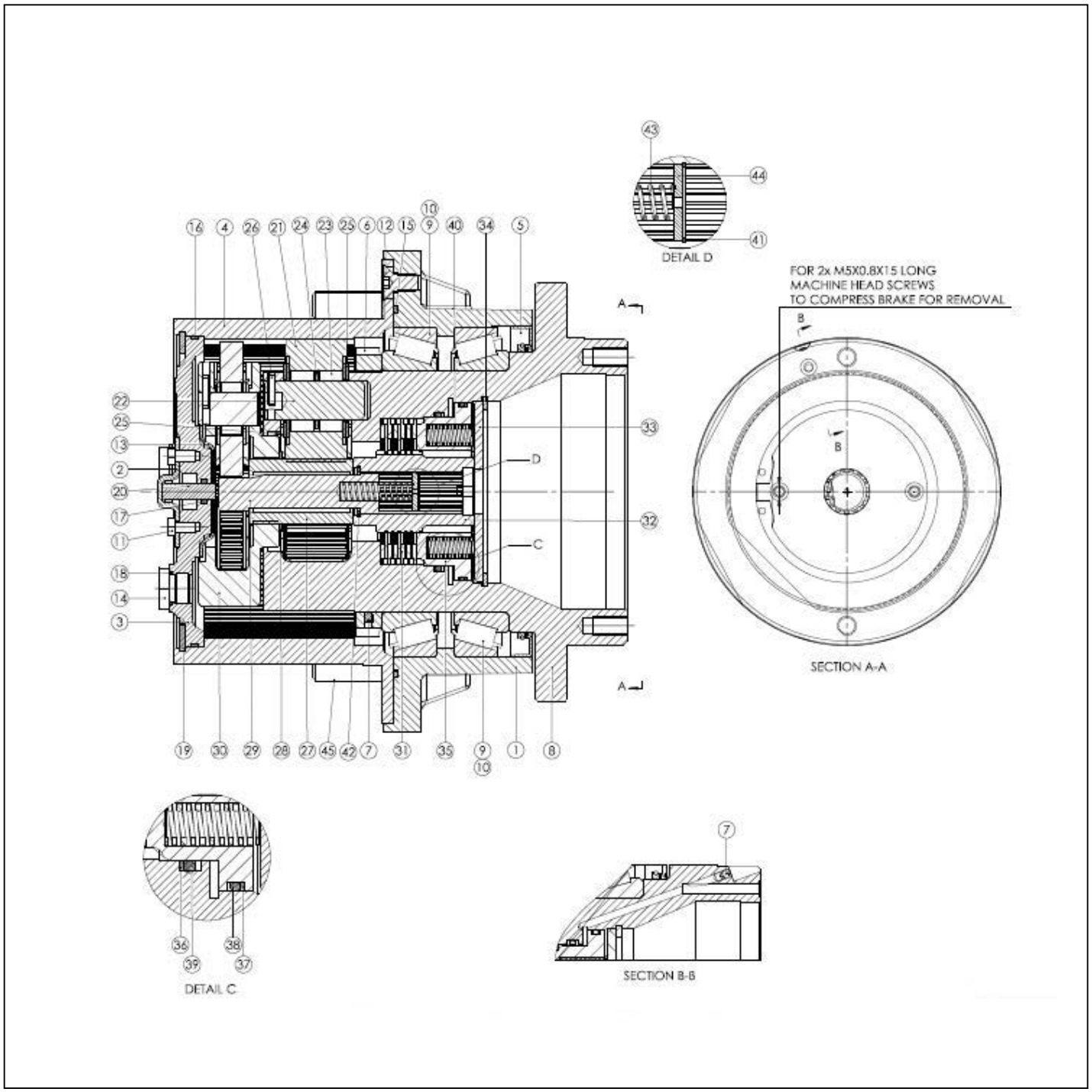
アイテム	部品番号	名前	数量	UOM
23	100434-002	FITTING 4MORFF X 4MORB 90 °	1	EA
24	056067-016	NUT, HEX NUT DIN934 M16 8.0 ZINCPLATED	2	EA

REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
Not Shown	1433019A	DRIVE SYSTEM REAR INSTALLATION		EA
1	116324-000	Wheel Gearbox	2	EA
2	0260099	O-Ring	2	EA
3	0260070	O-Ring	2	EA
4	104665-001	DRIVE MOTOR HYD 38cc/9.22cc	2	EA
-	6092096	SEAL KIT FOR 104665-001	1	EA
5	1432753	ASSY TRACTION MNFLD 600S/660SJ	1	EA
6	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	2	EA
7	5563393	WASHER FLAT .438 HARDENED	8	EA
8	5560169	WSHR FLAT HARD .625 SP	12	EA
9	5563116	Bolt, HDD	4	EA
10	5563117	BLT HEXHD .625-11 X 1.250 GR8	12	EA
11	058493-025	HHCS M10 X 25MM GR10.9 DIN933	2	EA
12	100434-018	FTG, 90 ° , 10MORFF X 12MORB	4	EA
13	100432-015	FTG, STR, 8MORFF X 8MORB	2	EA
14	100434-004	Hyd Fitting - 90 Elbow ORFS(04)-SAE(06)	2	EA
15	100432-002	Hyd Fitting - Straight ORFS(04) - SAE(04)	2	EA

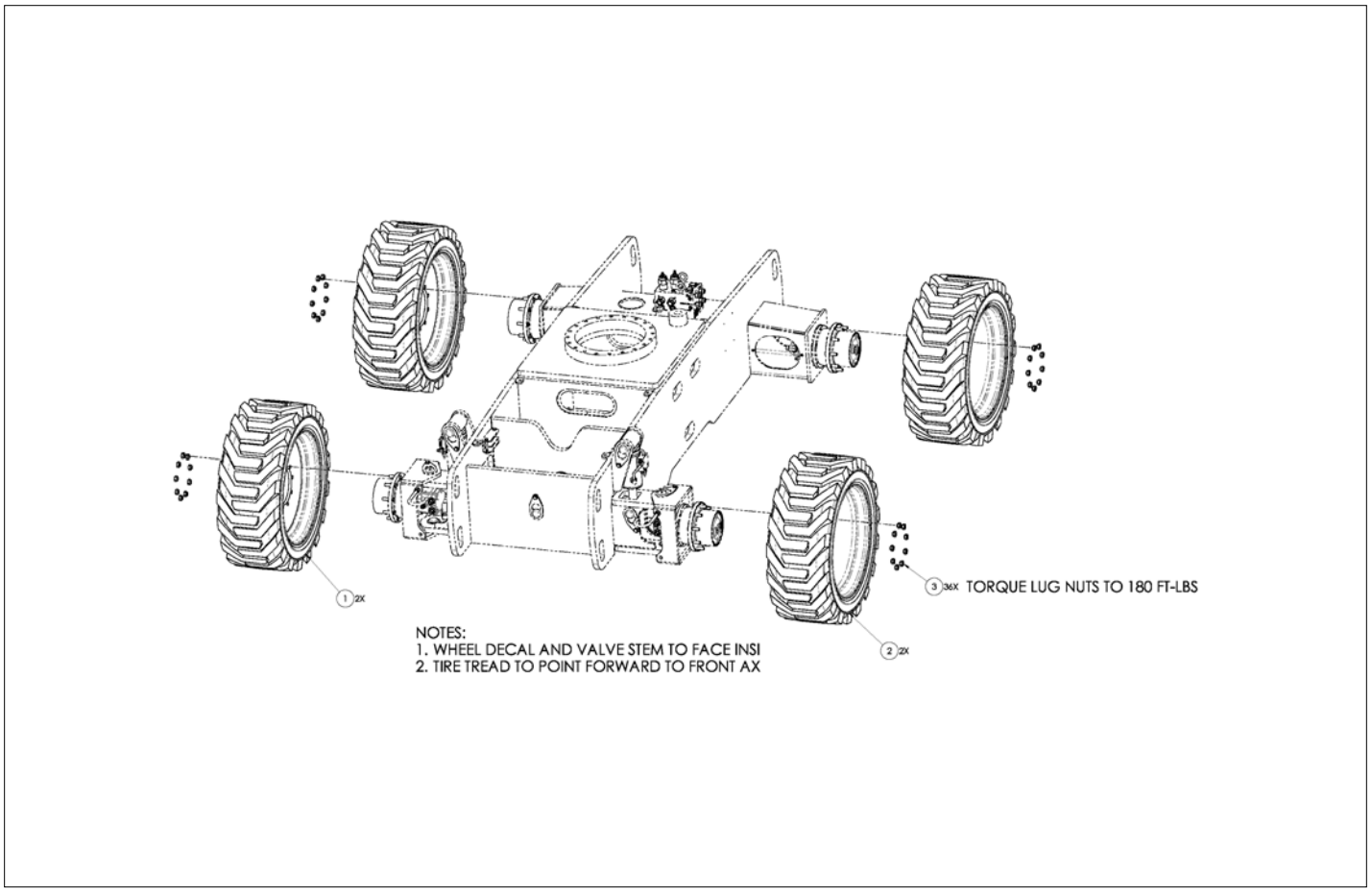
REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
-	116324-000-A	TORQUE DRIVE HUB OMNI GEAR	1	EA
1	8010399	HOUSING VB07 H1	1	EA
2	8010401	CAP LOCKOUT VB07	1	EA
3	8010400	CAP END VB07	1	EA
4	8010402	GEAR RING VB07 119T	1	EA
5	8010412	SEAL OIL; 0637-60008	1	EA
6	056066-014	NUT NYLOCK DIN985 M14 8.0 ZINC PLTD	1	EA
7	058490-000	SET SCREW, M5 X 0.8 X 6	4	EA
8	8010406	SPINDLE VB07	1	EA
9	8010409	BEARING CONE 32928	2	EA
10	8010408	BEARING CUP 32928	2	EA
11	056058-012	BLT HEXBOLT 6MM X 12MM DIN931 GR8.8 ZP	2	EA
12	512727-020	CAPSCREW, MACH. HD. M10 X 1.5 X 20	3	EA
13	8010444	THRUSTWASHER SUN VB07	1	EA
14	8010421	FLANGE PLUG MAGNETIC; M18 X 1.5	2	EA
15	8010414	SEAL O-RING; -172	1	EA
16	8010411	SEAL O-RING -166	1	EA
17	8010413	SEAL O-RING; -110	3	EA
18	8010417	O-RING (-113) VITON MAT'L	2	EA
19	8010432	SNAP RING; GB#180; INTERNAL	1	EA
20	8010434	PLUNGER; VB07	1	EA
21	8010404	GEAR PLANET VB07 46T LS	3	EA
22	8010407	SHAFT SEC. PLANET VB07	3	EA
23	8010410	BEARING NEEDLE VB07	84	EA
24	8010418	SPACER BEARING; VB07 2.2 THICK	3	EA
25	8010443	WASHER BRG RETAINING VB07 1.5MM	12	EA

アイテム	部品番号	名前	数量	UOM
26	8010419	ROLL PIN HD; 4MM X19	3	EA
27	8010405	GEAR SUN VB07 25T LS	1	EA
28	8010429	SNAP RING; GB#40	1	EA
29	8010403	INPUT SHAFT VB07 13T	1	EA
30	8010422	CARRIER ASSY; VB07 PRI 10.15	1	EA
31	8010428	BRAKE ASSY; VB07	1	EA
32	8010440	BRAKE ROTOR; VB07	1	EA
33	8010436	PLATE SPRING RETAINING VB07	1	EA
34	8010430	SNAP RING; GB#105; INTERNAL	1	EA
35	8010441	HYDRAULIC PISTON; VB07	1	EA
36	8010438	BACKUP RING; VB07	1	EA
37	8010437	BACKUP RING; VB07	1	EA
38	8010415	SEAL O-RING -154	1	EA
39	8010416	SEAL O-RING; -237	1	EA
40	8010442	SPRING; VB07	12	EA
41	8010431	SNAP RING; GB#19; INTERNAL	1	EA
42	8010432	SNAP RING; GB#180; INTERNAL	1	EA
43	8010439	SPRING; VB07	1	EA
44	8010435	PLUG SPRING RETAINING VB07	1	EA
45	8010420	STUD; 5/8-18 UNFX2A	9	EA
Not Shown	7220055	KIT SEAL TORQUE HUB OMNI GEAR 116324-000	1	EA
Not Shown	7220056	BRAKE KIT TORQUE HUB OMNI GEAR 116324-000	1	EA

REPAIR PARTS



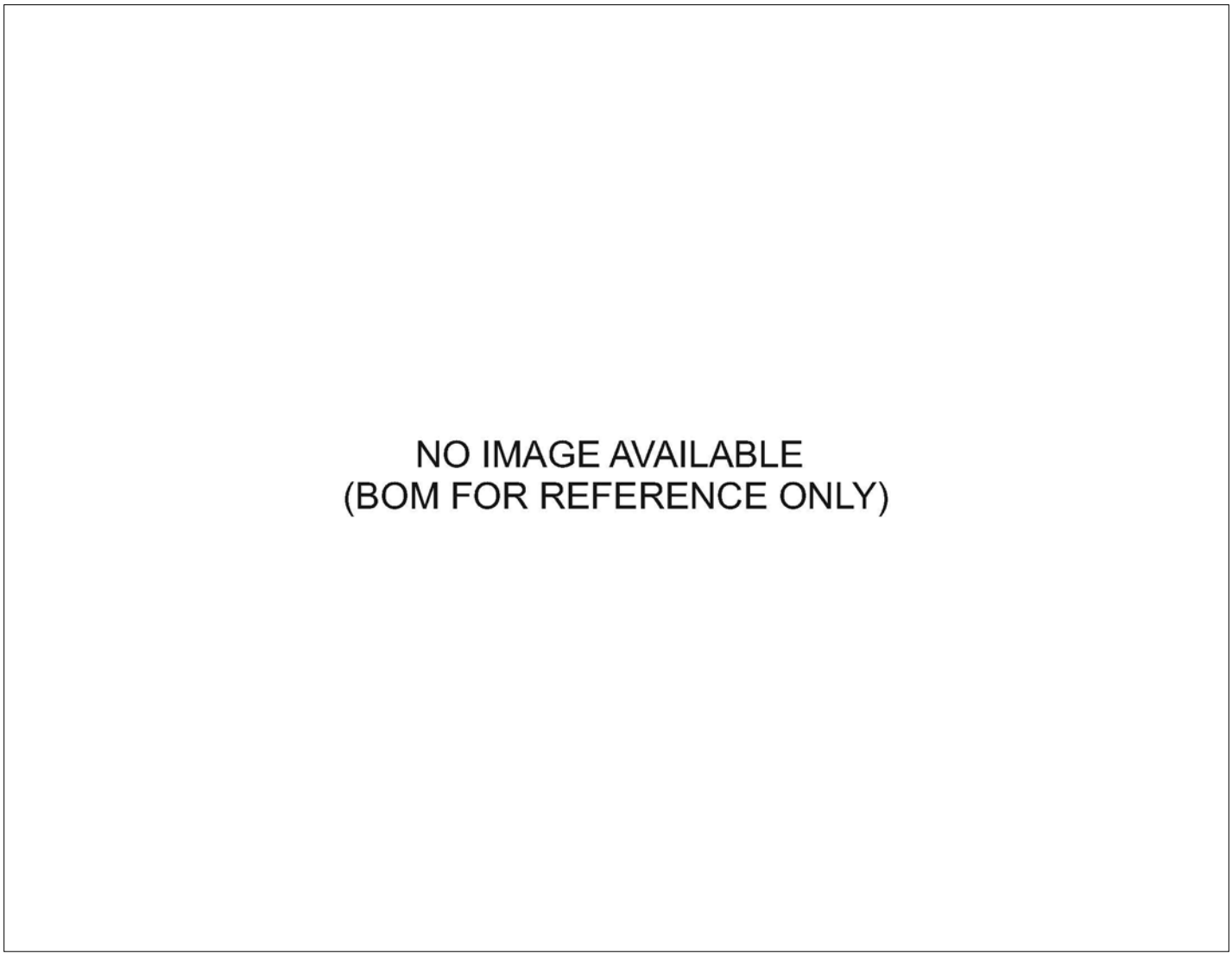
アイテム	部品番号	名前	数量	UOM
-	1433018A	STANDARD TIRES AND WHEELS INSTALL 400S/460SJ		EA
1	7280137	ASSY WHEEL AND TIRE BLACK RH	2	EA
2	7280136	ASSY WHEEL AND TIRE BLACK LH	2	EA
3	5563848	LUG NUT-5/8X18 RH, 1.06 FLAT	36	EA

REPAIR PARTS

画像が存在しません

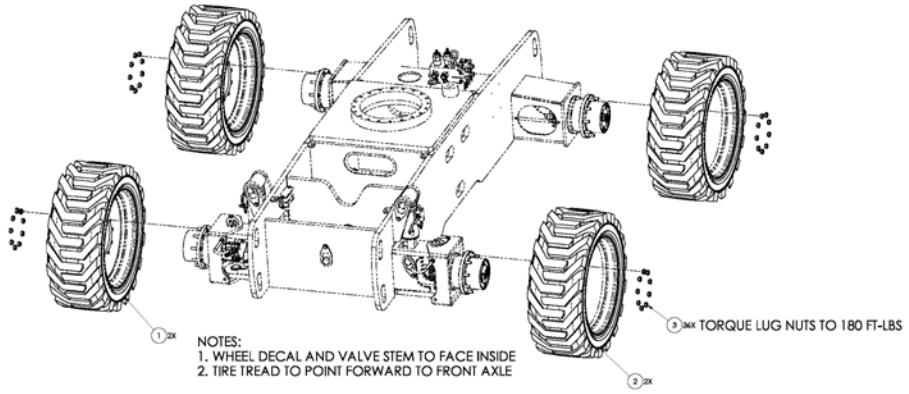
アイテム	部品番号	名前	数量	UOM
-	*	TIRE AND WHEEL ASSEMBLY GNM OTR		EA
1	7280131-002	TIRE ASSY GRAY NON-MARKING LH	2	EA
2	7280132-002	TIRE ASSY GRAY NON-MARKING RH	2	EA
-	*	TIRE AND WHEEL ASSEMBLY GNM OTR		EA
1	7280136-002	ASSY WHEEL AND TIRE BLACK LH	2	EA
2	7280137-002	ASSY WHEEL AND TIRE BLACK RH	2	EA

REPAIR PARTS



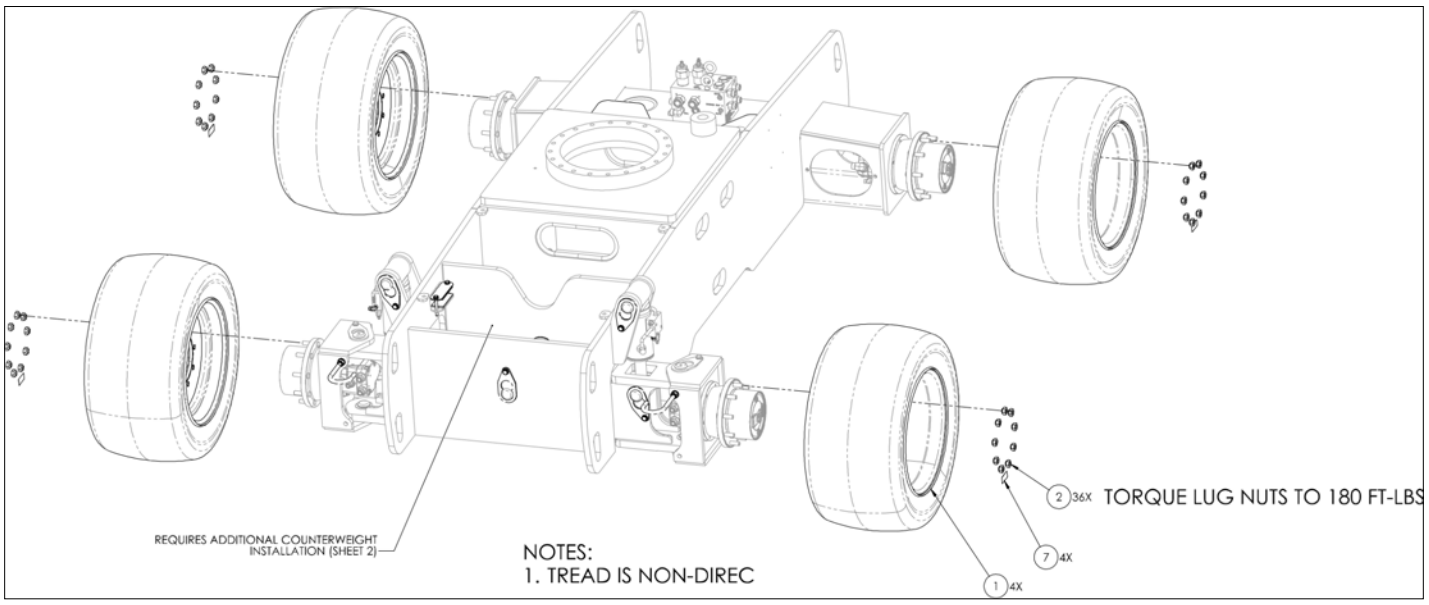
アイテム	部品番号	名前	数量	UOM
-	*	TIRE AND WHEEL ASSEMBLY GNM OTR		EA
1	7280131-001	TIRE ASSY GRAY NON-MARKING LH	2	EA
2	7280132-001	TIRE ASSY GRAY NON-MARKING RH	2	EA
-	*	TIRE AND WHEEL ASSEMBLY GNM OTR		EA
1	7280136-001	ASSY WHEEL AND TIRE BLACK LH	2	EA
2	7280137-001	ASSY WHEEL AND TIRE BLACK RH	2	EA

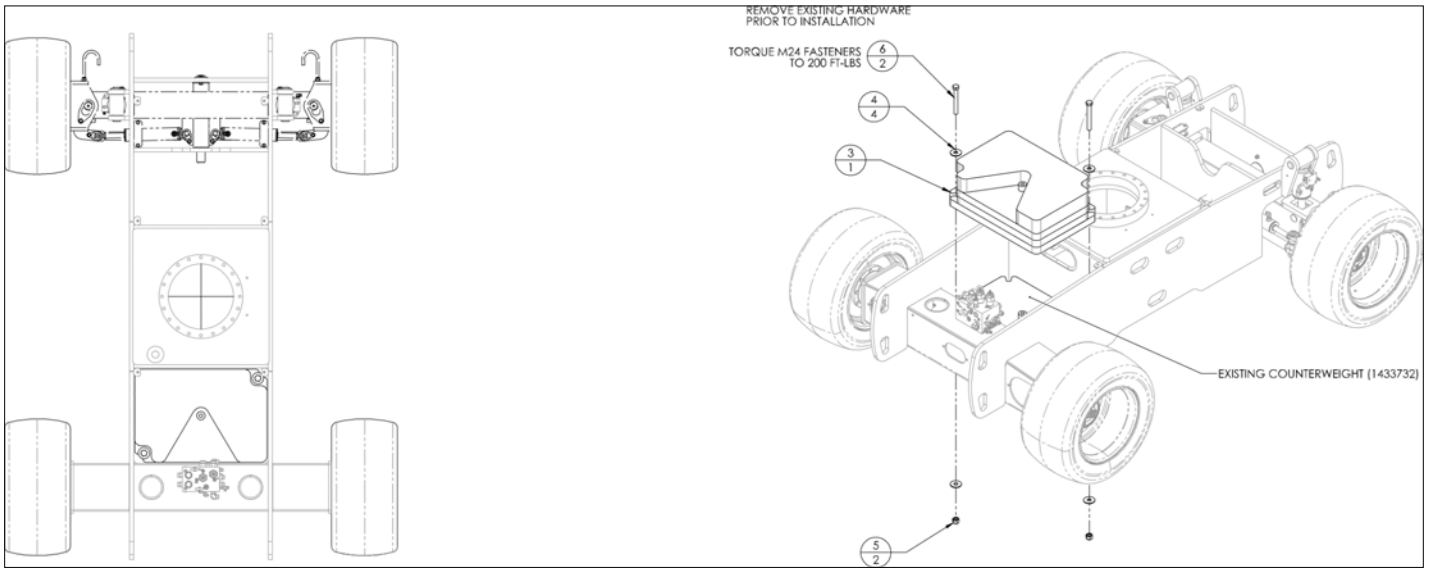
REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
-	1433020B	NON MARK TIRES AND WHEELS INSTALL 400S/460SJ		EA
1	7280132	TIRE ASSY GRAY NON-MARKING RH	2	EA
2	7280131	TIRE ASSY GRAY NON-MARKING LH	2	EA
3	5563848	LUG NUT–5/8X18 RH, 1.06 FLAT	36	EA

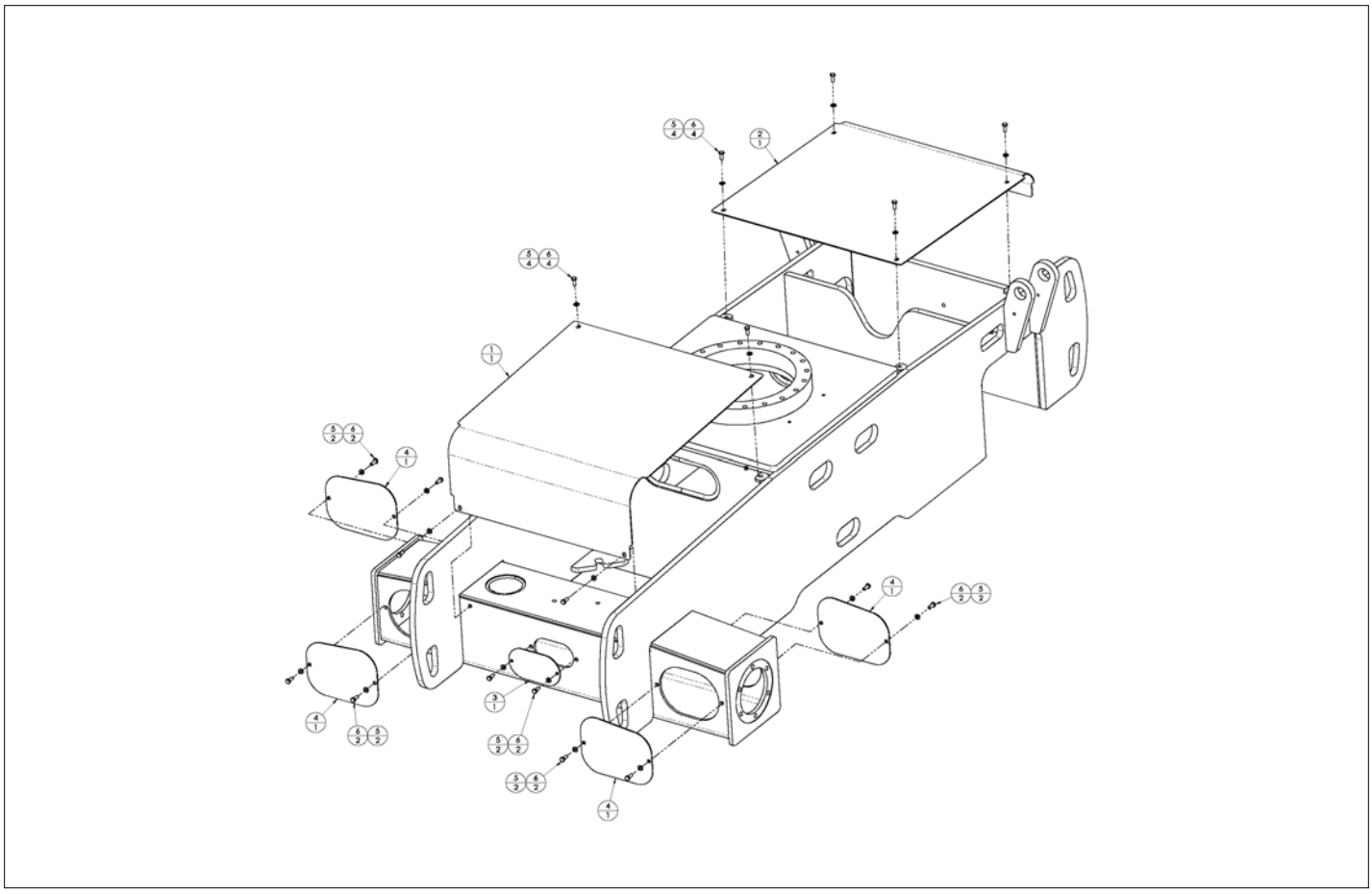
REPAIR PARTS




REMOVE EXISTING HARDWARE
PRIOR TO INSTALLATION
TORQUE M24 FASTENERS
TO 200 FT-LBS
6
2
4
4
3
1
EXISTING COUNTERWEIGHT (1433732)
5
2

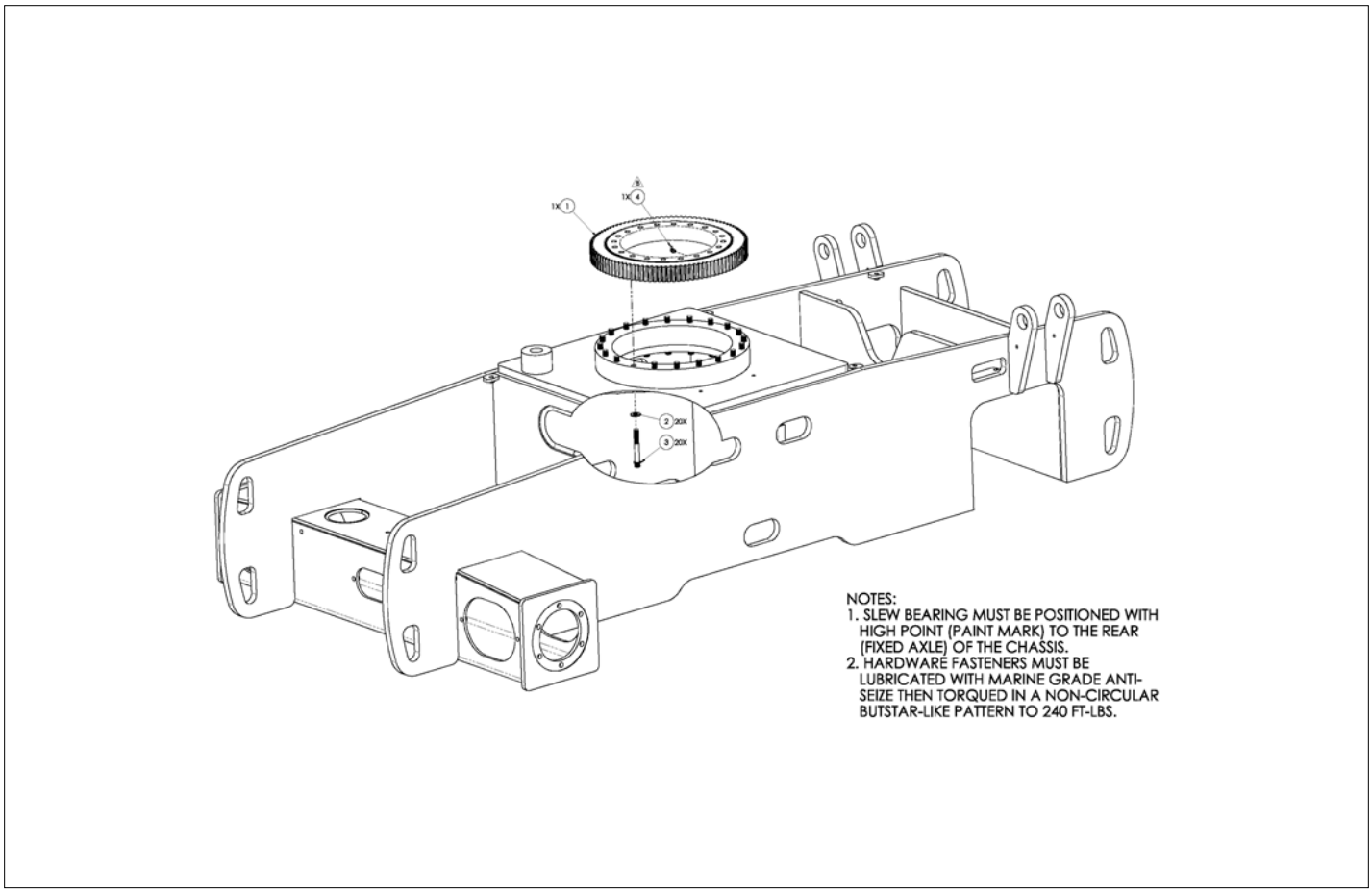
アイテム	部品番号	名前	数量	UOM
-	1434229 C	FLOATATION TIRES AND WHEELS INSTALLATION 400S 460SJ		EA
1	7280145	FLOTATION TIRE AND WHEEL 33/16 500	4	EA
2	5563848	LUG NUT–5/8X18 RH, 1.06 FLAT	36	EA
3	1434273	WELDMENT,CHASSIS CWT, NON-FOAM TIRES	1	EA
4	5563727	WASHER FENDER M24X72OD GR10.9	4	EA
5	056066-024	Nut, NylockNut DIN985 M24 8.0	2	EA
6	5563876	HHCS M24 X 3.00 X 190 GR10.9 DIN 931	2	EA
7	560285	DECAL TIRE PRESSURE 42 PSI	4	EA

REPAIR PARTS



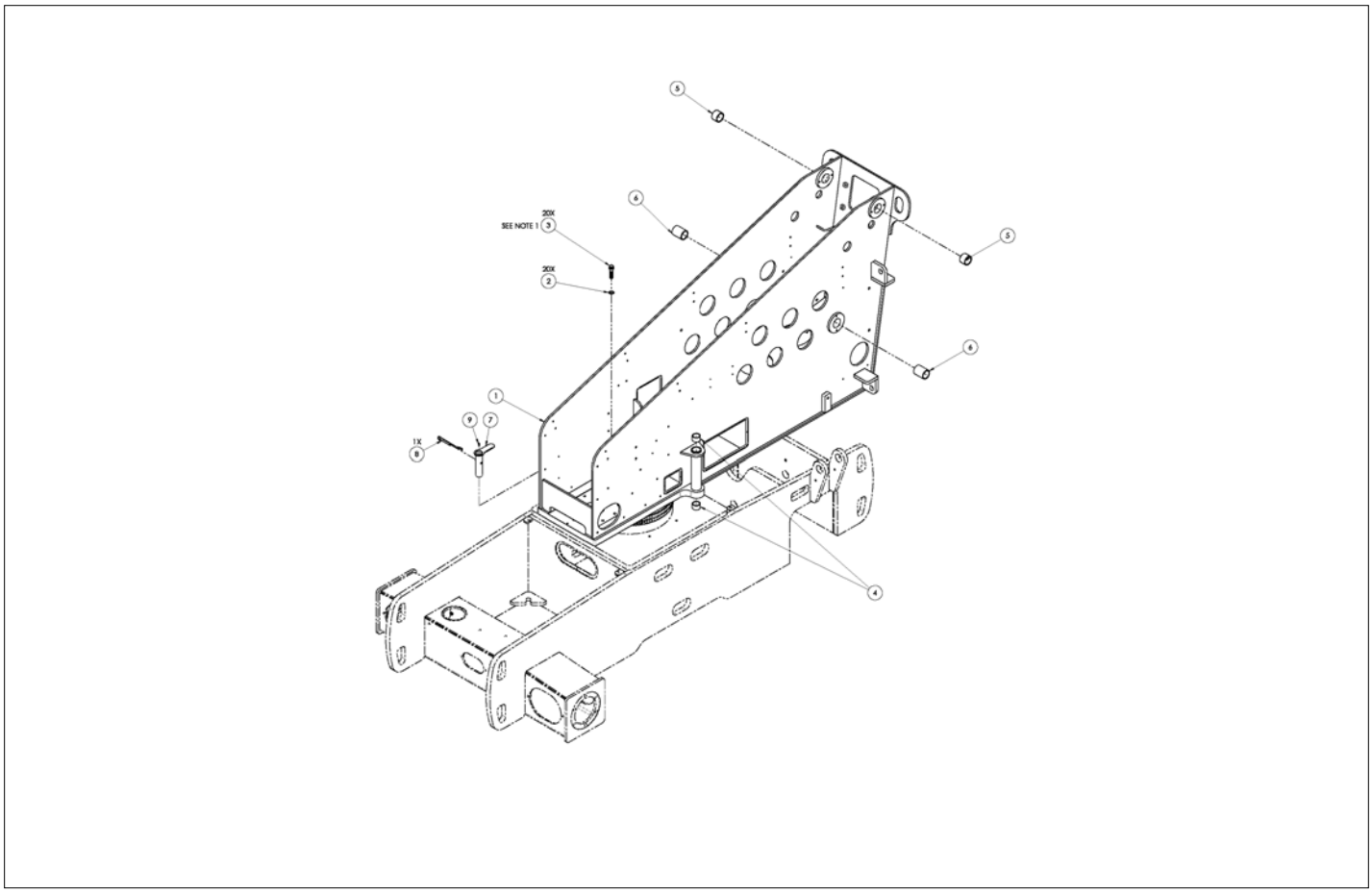
アイテム	部品番号	名前	数量	UOM
-	1433726A	CHASSIS COVERS INSTALL		EA
1	1433727	COVER-CHASSIS REAR	1	EA
2	1433728	COVER-CHASSIS FRONT	1	EA
3	1432611	COVER-REAR AXLE	1	EA
4	1432617	COVER-AXLE HUB	1	EA
5	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	18	EA
6	058493-025	HHCS M10 X 25MM GR10.9 DIN933	18	EA

REPAIR PARTS



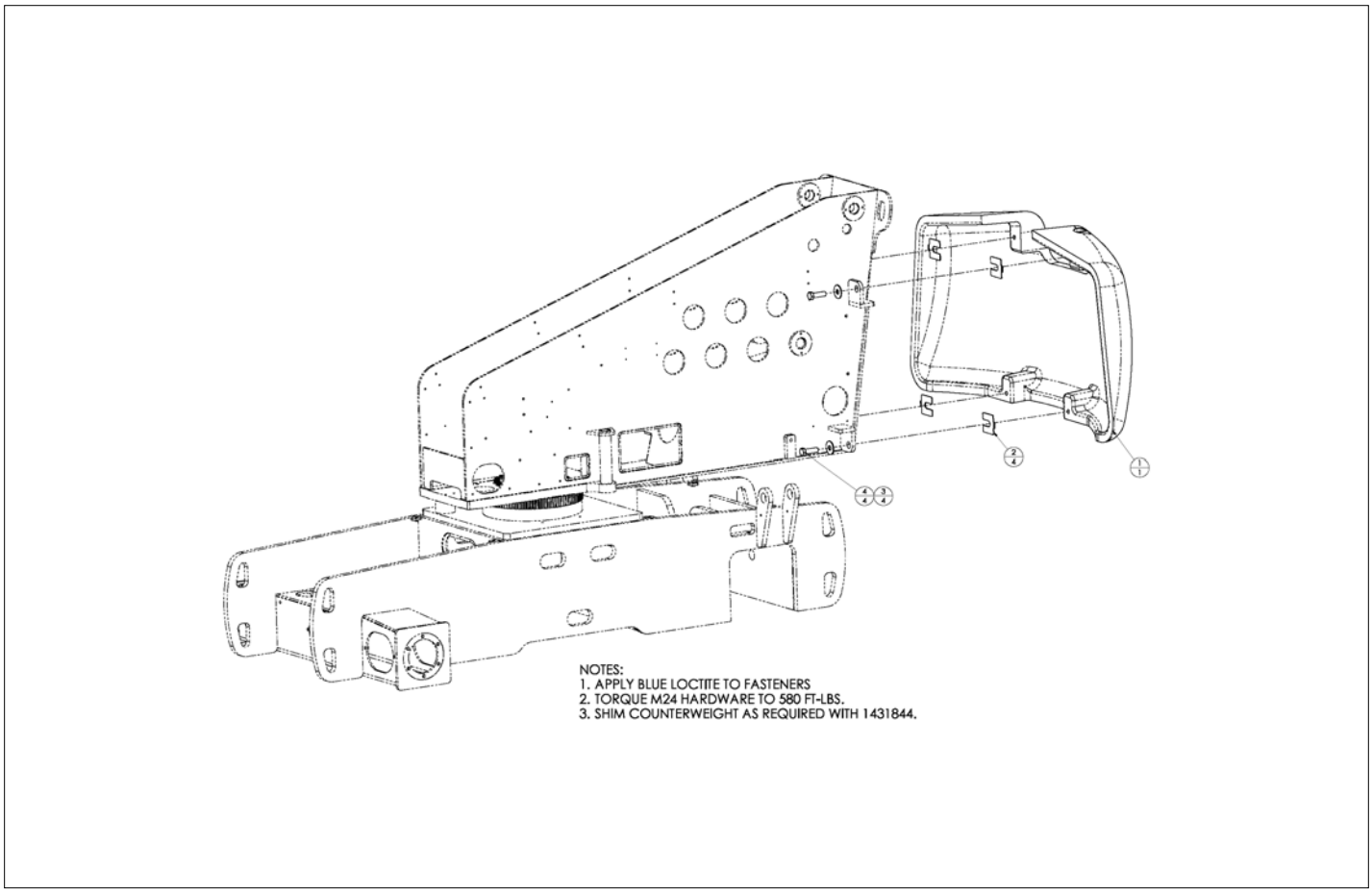
アイテム	部品番号	名前	数量	UOM
-	1433025B	SLEW BEARING INSTALL		EA
1	1430832	BEARING - SLEW	1	EA
2	5560169	WSHR FLAT HARD .625 SP	20	EA
3	5563885	FHCS .625–11X4.50 GR.9 12PT	20	EA
4	5570003	GREASE FTG 1/8-27 NPT 90 DEG	1	EA

REPAIR PARTS



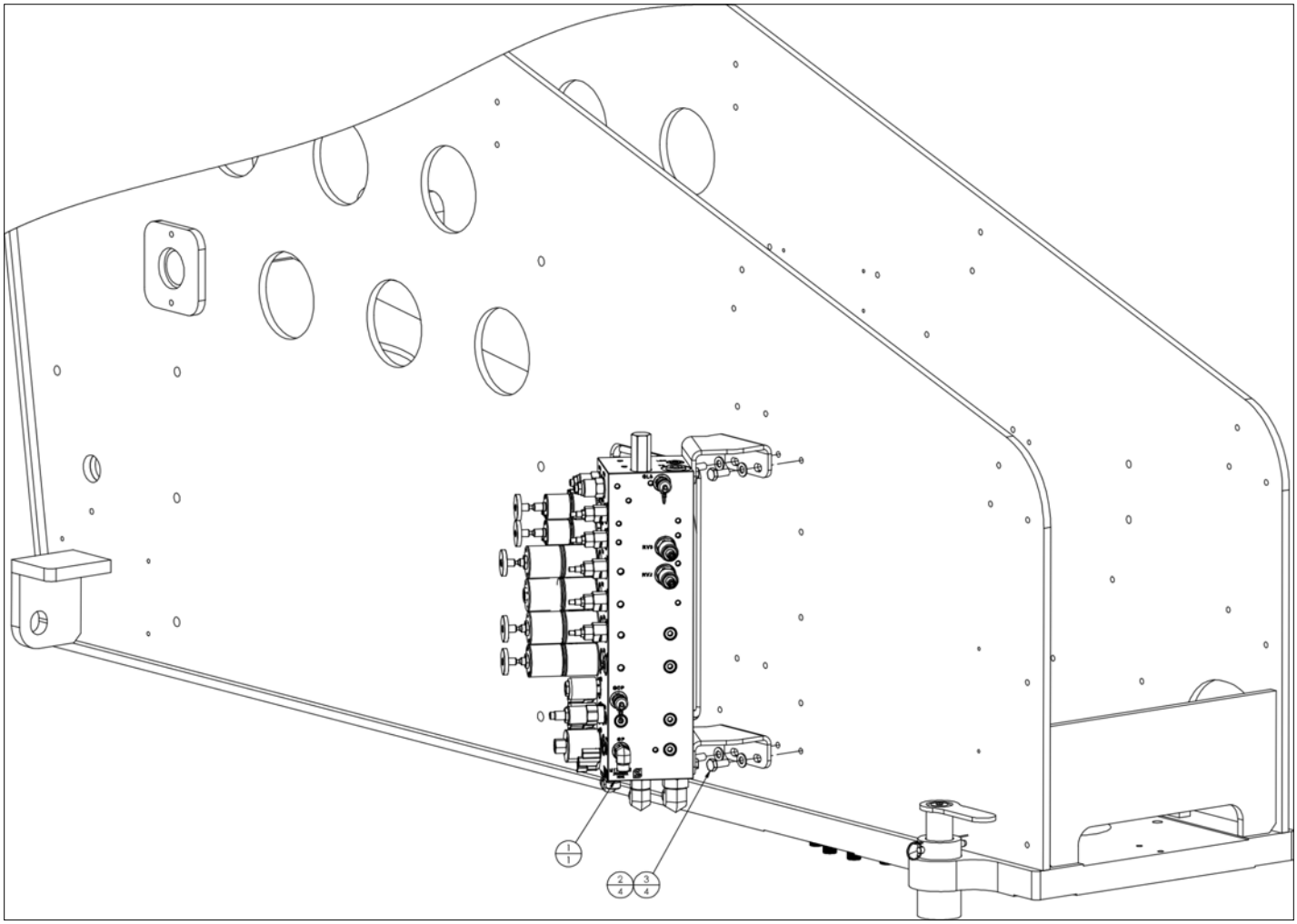
アイテム	部品番号	名前	数量	UOM
-	1433263B	TURRET INSTLL 400S/460SJ		EA
1	1431174	TURRET WELDMENT 460SJ	1	EA
2	5560170	WSHR FLAT HARD .750 SP	20	EA
3	5563452	FHCS 3/4-10 x 2.75 GR9 12PT	20	EA
4	2509716	BUSHING 40mmID x 48mmOD x 30mm	2	EA
5	5563470	GARMAX BRG 5060-40	2	EA
6	2509864	GARMAX BRG 5060-75	2	EA
7	1433352	PIN-TURRET LOCK 400S/460SJ	1	EA
8	5516375	PIN-.375 od x 2.5l, 6.0" LANYARD	1	EA
9	505082-016	Bolt, SktButCapScrew DIN9427 M	1	EA

REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
-	1433688A	TURRET COUNTERWEIGHT INSTALL 400S		EA
1	1433610	COUNTERWEIGHT, TURRET, 400/460	1	EA
2	1431844	SHIM-.125" THK, 1.25" HOLE	4	EA
3	5563727	WASHER FENDER M24X72OD GR10.9	4	EA
4	512648-080	Bolt,HexBolt DIN933 M24 x 80mm	4	EA

REPAIR PARTS

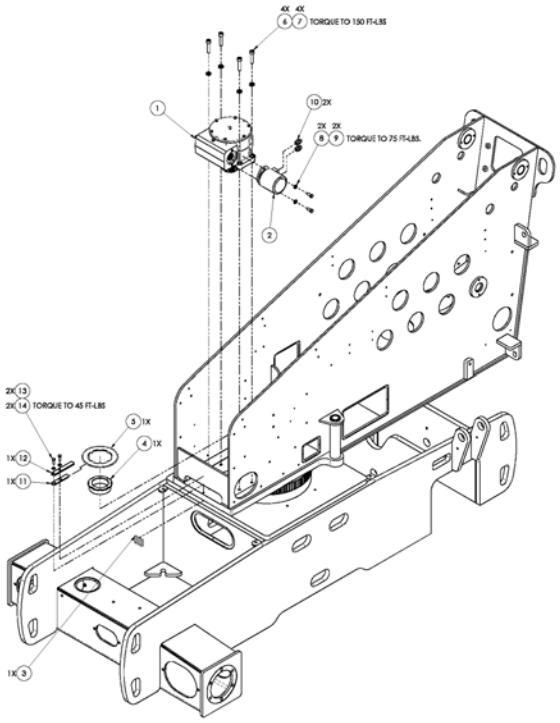


アイテム	部品番号	名前	数量	UOM
-	1434484 A	MAIN MANIFOLD INSTALLATION KUBOTA 400S 460SJ		EA
1	1434485	MAIN MANIFOLD	1	EA
2	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	4	EA
3	058493-025	HHCS M10 X 25MM GR10.9 DIN933	4	EA

REPAIR PARTS

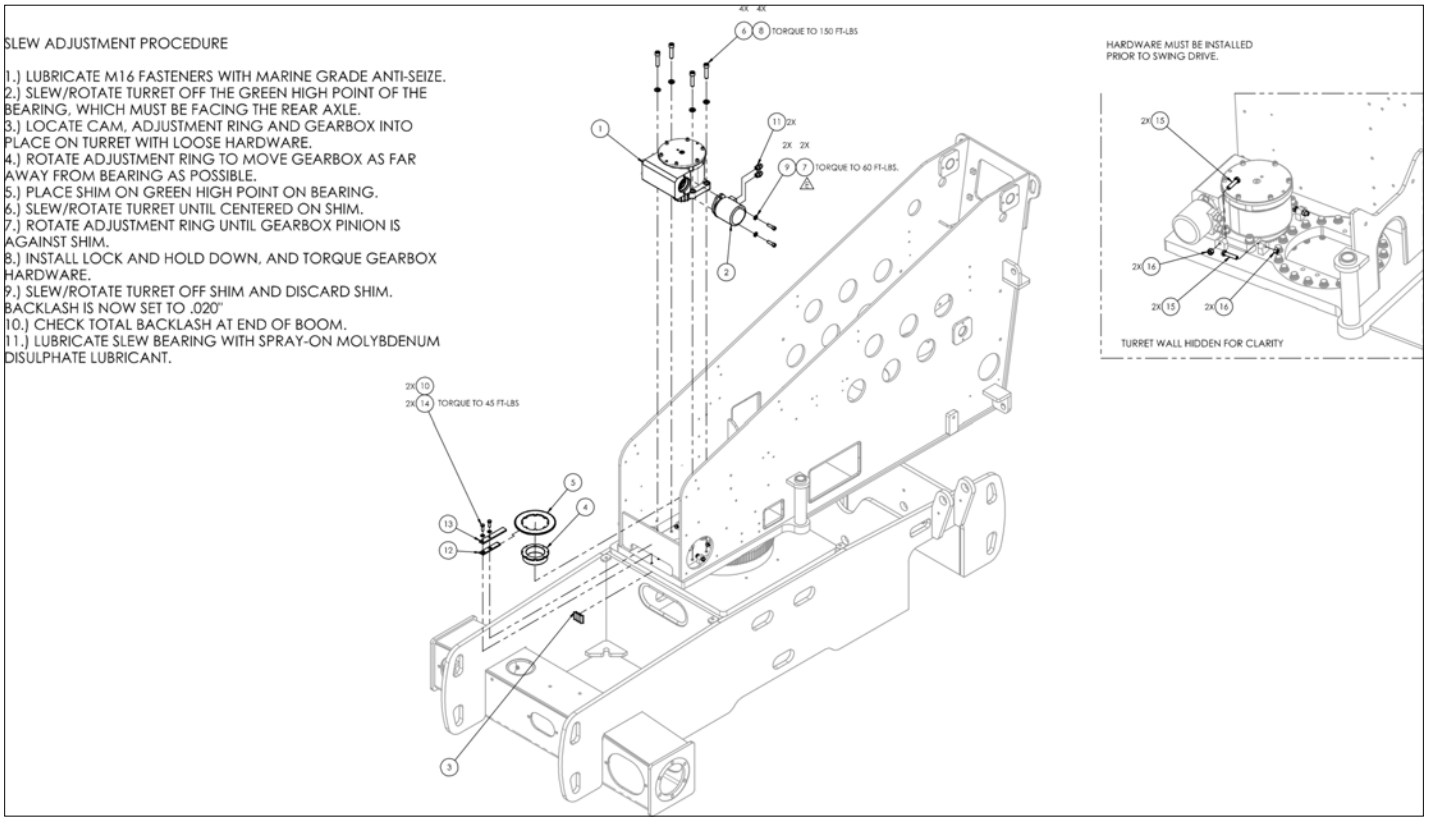
SLEW ADJUSTMENT PROCEDURE

1.) LUBRICATE M16 FASTENERS WITH MARINE GRADE ANTI-SEIZE.
2.) SLEW/ROTATE TURRET OFF THE GREEN HIGH POINT OF THE BEARING, WHICH MUST BE FACING THE REAR AXLE.
3.) LOCATE CAM, ADJUSTMENT RING AND GEARBOX INTO PLACE ON TURRET WITH LOOSE HARDWARE.
4.) ROTATE ADJUSTMENT RING TO MOVE GEARBOX AS FAR AWAY FROM BEARING AS POSSIBLE.
5.) PLACE SHIM ON GREEN HIGH POINT ON BEARING.
6.) SLEW/ROTATE TURRET UNTIL CENTERED ON SHIM.
7.) ROTATE ADJUSTMENT RING UNTIL GEARBOX PINION IS AGAINST SHIM.
8.) INSTALL LOCK AND HOLD DOWN, AND TORQUE GEARBOX HARDWARE.
9.) SLEW/ROTATE TURRET OFF SHIM AND DISCARD SHIM. BACKLASH IS NOW SET TO .020"
10.) CHECK TOTAL BACKLASH AT END OF BOOM.
11.) LUBRICATE SLEW BEARING WITH SPRAY-ON MOLYBDENUM DISULPHATE LUBRICANT.



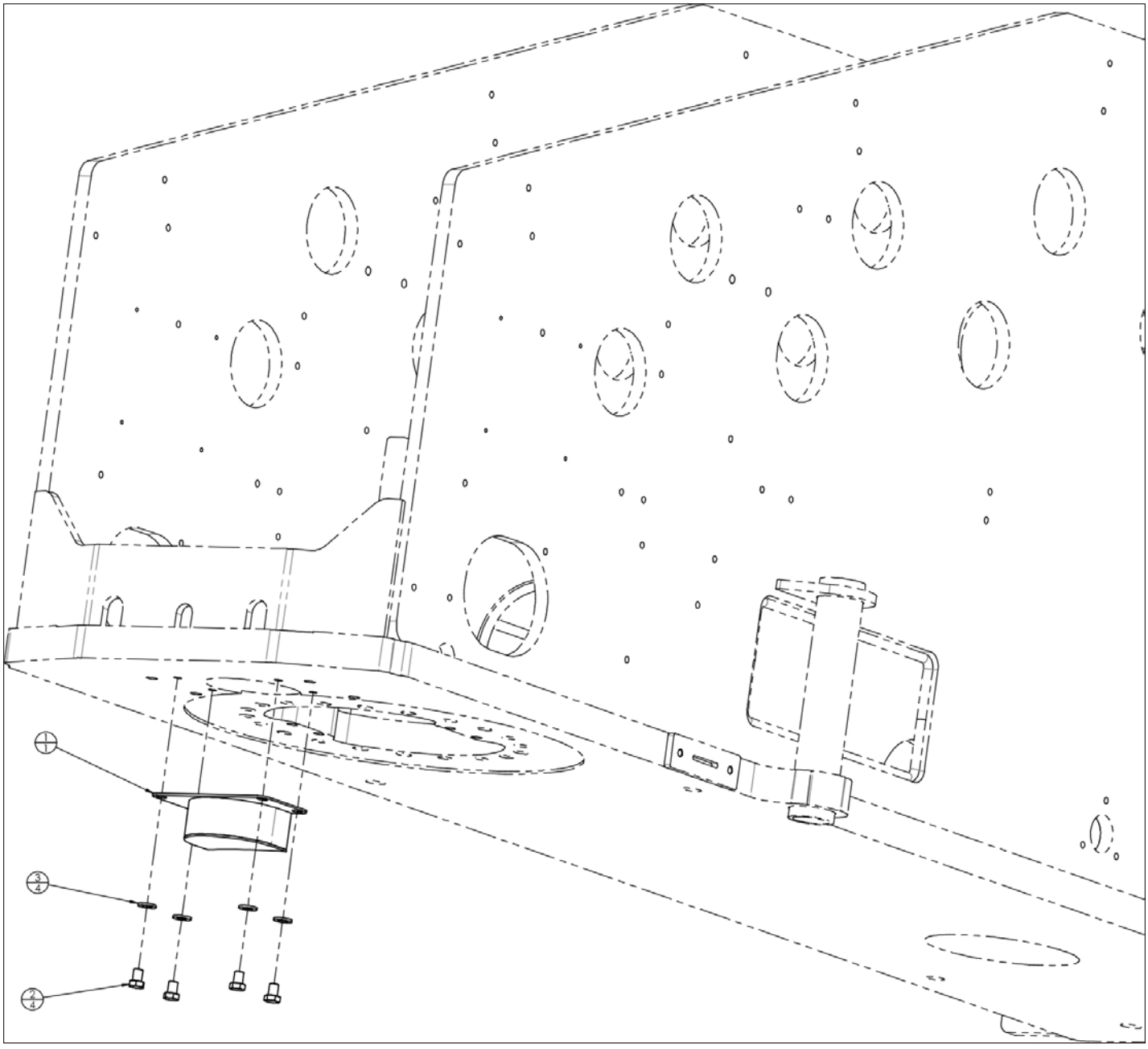
アイテム	部品番号	名前	数量	UOM
-	1433265 B	SWING DRIVE INSTALLATION 400S/460SJ JUNE 2019 AND BEFORE		EA
1	106755-000	Swing Gearbox	1	EA
2	1430681	SWING MOTOR	1	EA
3	1433053	SHIM, SLEW DRIVE, .010"	1	EA
4	106759-000	Swing GearBox Eccentric	1	EA
5	106762-000	SWING GEARBOX ECCENTRIC ADJUSTMENT RING	1	EA
6	511159-000	BOLT, SKTCAPSCREW DIN912 M16 DIN912 M16 1.5 X 70MM 12.9 ZINCPLATED	4	EA
7	500281-000	WSHR M16 HARDEND STL DIN 6016 PLTD	4	EA
8	5563963	WASHER, M12 HARDENED STEEL DIN 6916 PLATED	2	EA
9	5563508	BOLT HEXBOLT DIN931 M12 X 1.75 X 30 10.11	2	EA
10	511327-000	Adapter - JICM -> UNO Straight, 9/16 -> 7/8	2	EA
11	1433761	Eccentric Lock-6mm/.25in	1	EA
12	106793-000	ECCENTRIC HOLD DOWN	1	EA
13	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	2	EA
14	056060-030	BOLT HEXBOLT DIN931 M10 X 30MM 8.8 ZP	2	EA

REPAIR PARTS



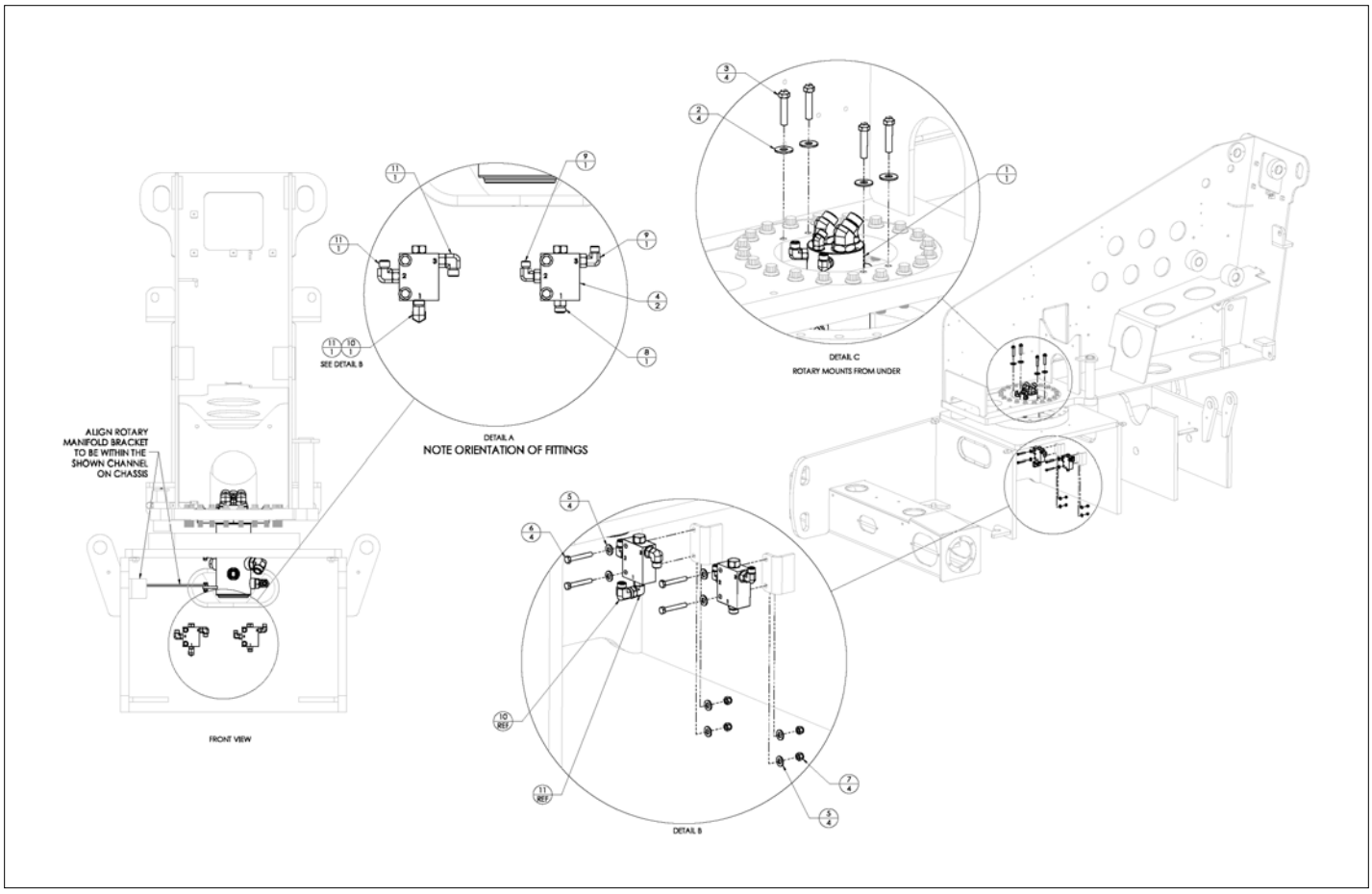
アイテム	部品番号	名前	数量	UOM
-	1433265 E	SWING DRIVE INSTALLATION 400S 460SJ JULY 2019 AND AFTER		EA
1	106755-001	SWING DRIVE	1	EA
2	1430681	SWING MOTOR	1	EA
3	1433053	SHIM, SLEW DRIVE, .010"	1	EA
4	106759-000	Swing GearBox Eccentric	1	EA
5	106762-000	SWING GEARBOX ECCENTRIC ADJUSTMENT RING	1	EA
6	511159-000	BOLT, SKTCAPSCREW DIN912 M16 DIN912 M16 1.5 X 70MM 12.9 ZINCPLATED	4	EA
7	5564034	SHCS M12 X 1.75 X 40 G12.9 ZP	2	EA
8	500281-000	WSHR M16 HARDEND STL DIN 6016 PLTD	4	EA
9	5563963	WASHER, M12 HARDENED STEEL DIN 6916 PLATED	2	EA
10	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	2	EA
11	511327-000	Adapter - JICM -> UNO Straight, 9/16 -> 7/8	2	EA
12	1433761	Eccentric Lock-6mm/.25in	1	EA
13	106793-000	ECCENTRIC HOLD DOWN	1	EA
14	056060-030	BOLT HEXBOLT DIN931 M10 X 30MM 8.8 ZP	2	EA
15	5564029	HHCS M12 X 1.75 X 50 G10.9 DIN933	4	EA
16	056067-012	NUT, HEX, M12 X 1.75 DIN 934	4	EA

REPAIR PARTS



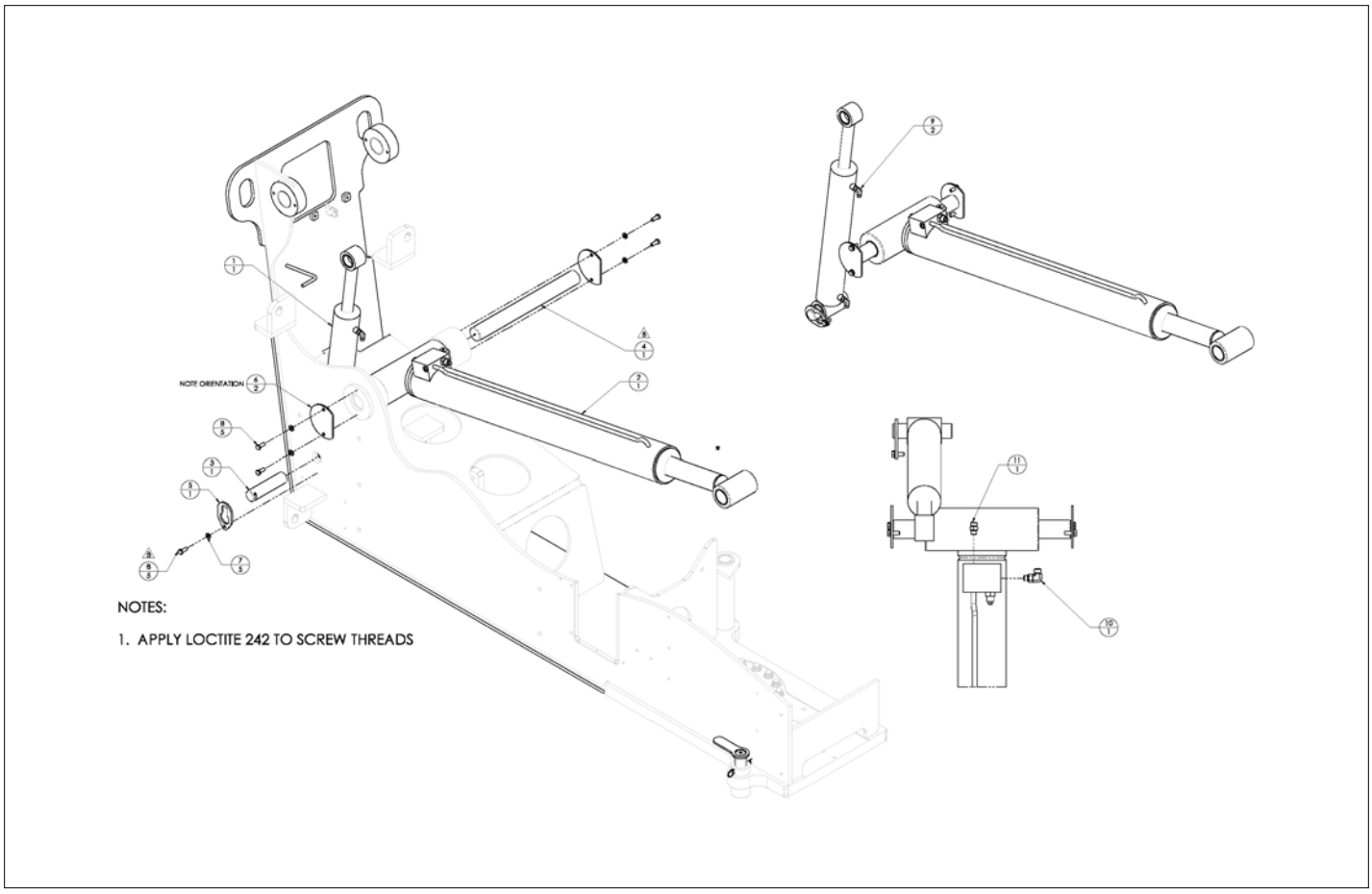
アイテム	部品番号	名前	数量	UOM
-	1434493 A	PINION GUARD INSTALLATION JANUARY 2020 AND AFTER		EA
1	1434491	GUARD WLDMT PINION GEAR 460/660	1	EA
2	10406-016	SCREW M12-1.75 HHC X 16MM LG	4	EA
3	5563544	WSHR, FLAT M12 YL ZN GR 10.9	4	EA

REPAIR PARTS



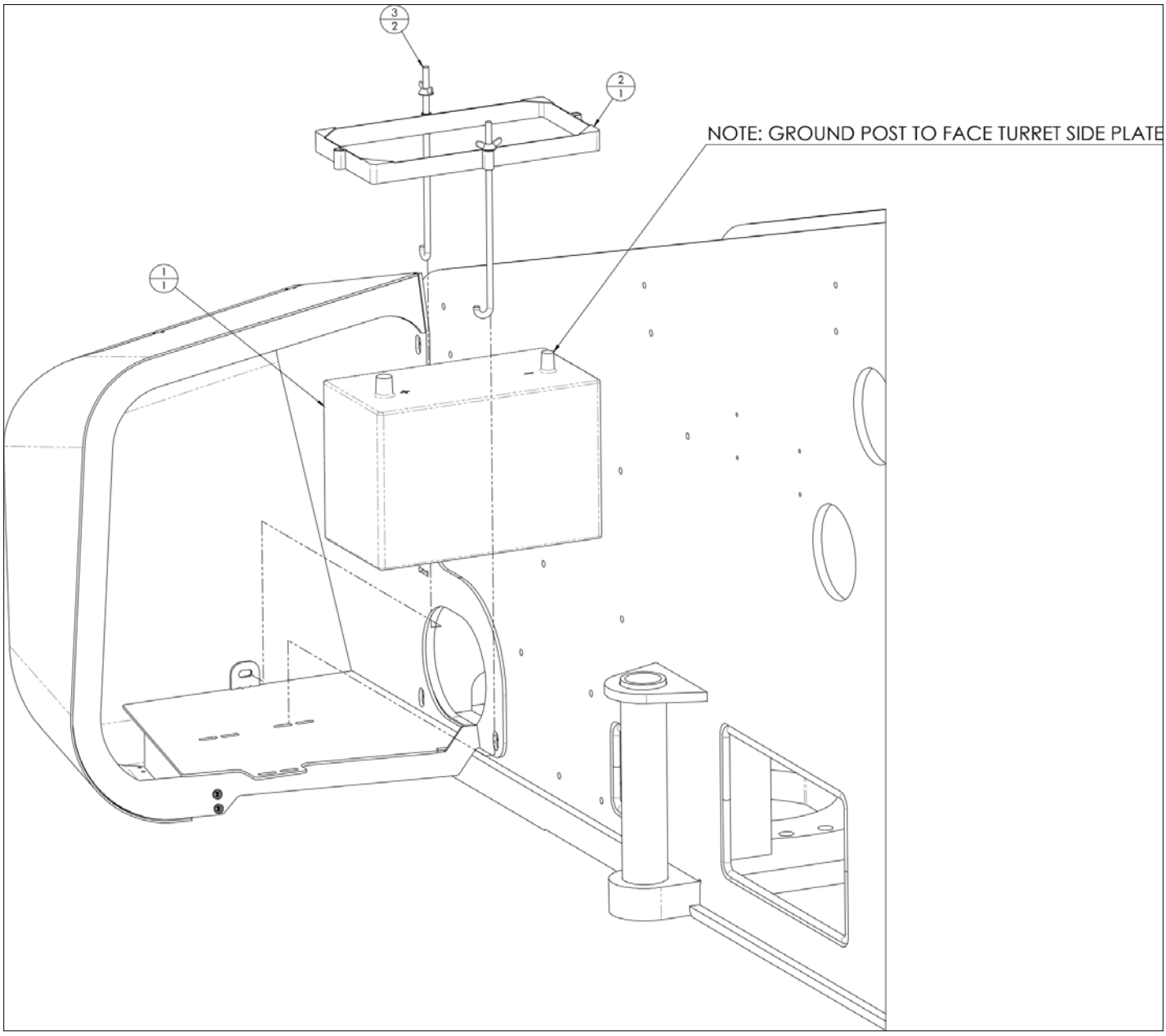
アイテム	部品番号	名前	数量	UOM
-	1433661B	ROTARY MANIFOLD INSTALLATION 400S 460SJ		EA
1	1433031	ASSY-ROTARY MANIFOLD 660SJ	1	EA
2	986359	FLATWASHER 1/2"	4	EA
3	5563812	HHCS .500-13UNC STL GR8 2.25LG	4	EA
4	6019427	SHUTTLE VALVE ASSY	2	EA
5	510561-010	WASHER, STEELFLATWASHER DIN125A M10 STAINLESS	8	EA
6	056059-055	HHD BLT M8-1.25 X 55 8.8	4	EA
7	056064-008	NUT HEX M8-1.25 GR10.9 SELF LOCKING DIN 985	4	EA
8	100432-009	Hyd Fitting Straight ORFS(06) - SAE(06)	1	EA
9	100434-004	Hyd Fitting - 90 Elbow ORFS(04)-SAE(06)	2	EA
10	5033065	FTG, 90 ° , 6MORFF X 6FORFF	1	EA
11	511481-000	FTG, 90 ° , 6MORFF X 6MORB	3	EA

REPAIR PARTS



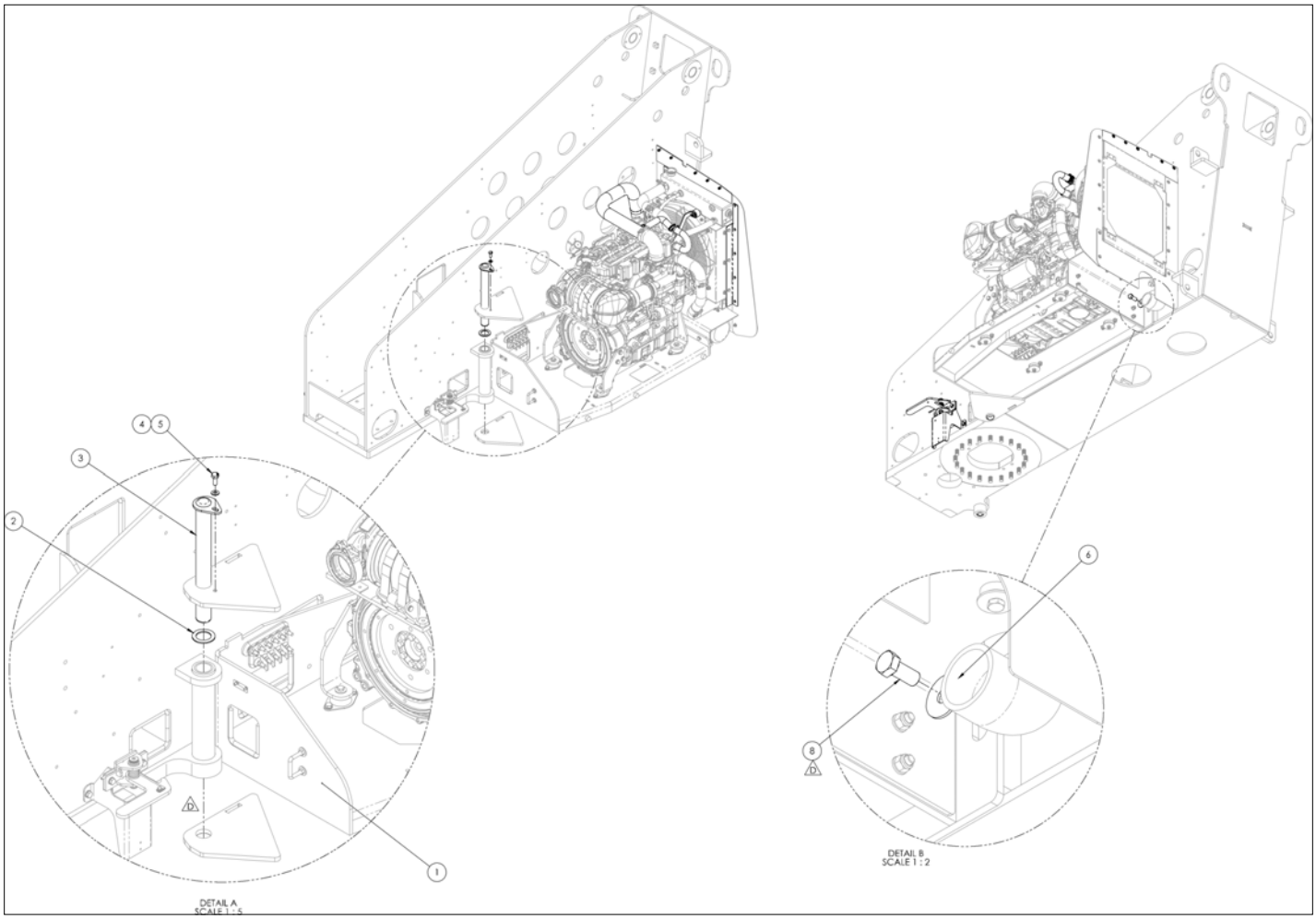
アイテム	部品番号	名前	数量	UOM
-	1433392B	LIFT/MASTER LEVEL CYLINDER INSTALL 400S/460SJ		EA
1	100553-100	CYLINDER, MASTER LEVEL	1	EA
2	104260-100	CYL LIFT, 400S/460SJ	1	EA
3	1433314	PIN, MASTER CYL TO TURRET	1	EA
4	1433316	PIN, MAIN PIVOT 400S/460SJ	1	EA
5	1431361	PLT PIN RETAINER	1	EA
6	1431364	PLATE, RETAINER	2	EA
7	5563543	WSHR, FLAT M10 YL ZN GR 10.9	5	EA
8	058493-025	HHCS M10 X 25MM GR10.9 DIN933	4	EA
9	100434-002	FITTING 4MORFF X 4MORB 90 °	2	EA
10	511481-000	FTG, 90 ° , 6MORFF X 6MORB	1	EA
11	100432-009	Hyd Fitting Straight ORFS(06) - SAE(06)	1	EA

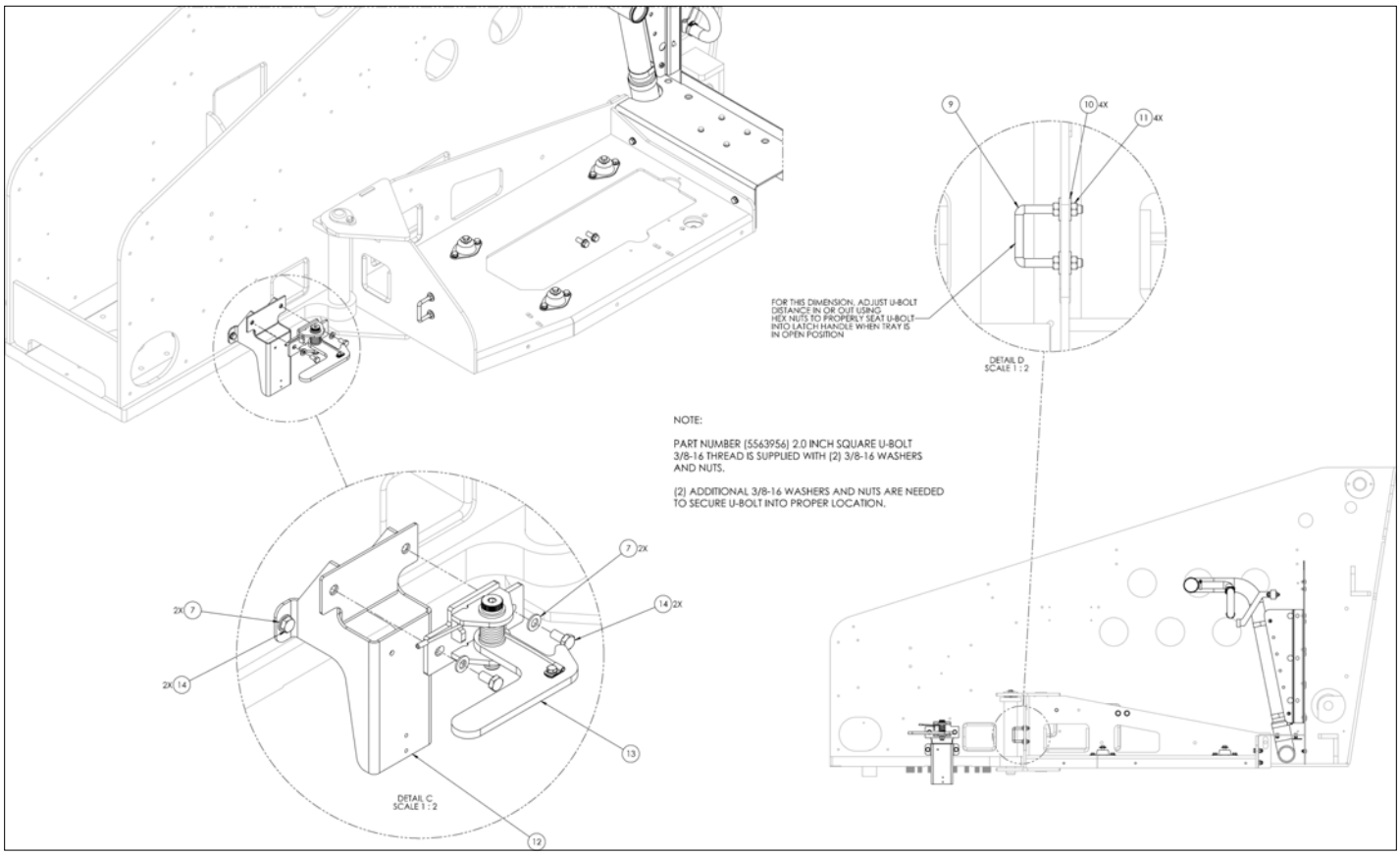
REPAIR PARTS

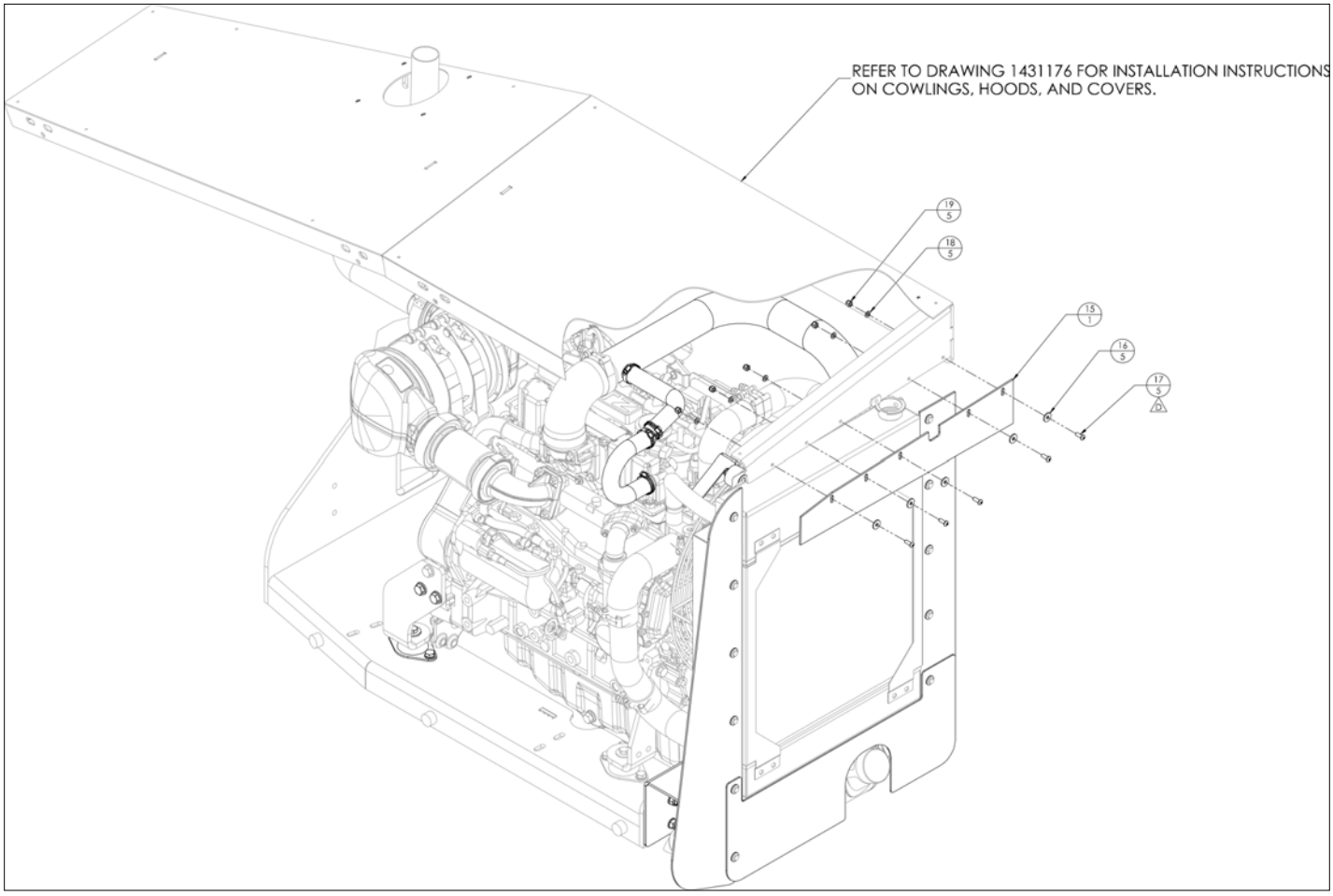


アイテム	部品番号	名前	数量	UOM
-	1433264A	BATTERY INSTALL 400S/460SJ		EA
1	14450-000	BATTERY 12VDC GRP31	1	EA
2	14452-000	BATTERY HOLD-DOWN	1	EA
3	14451-000	BATTERY J-BOLT	2	EA

REPAIR PARTS

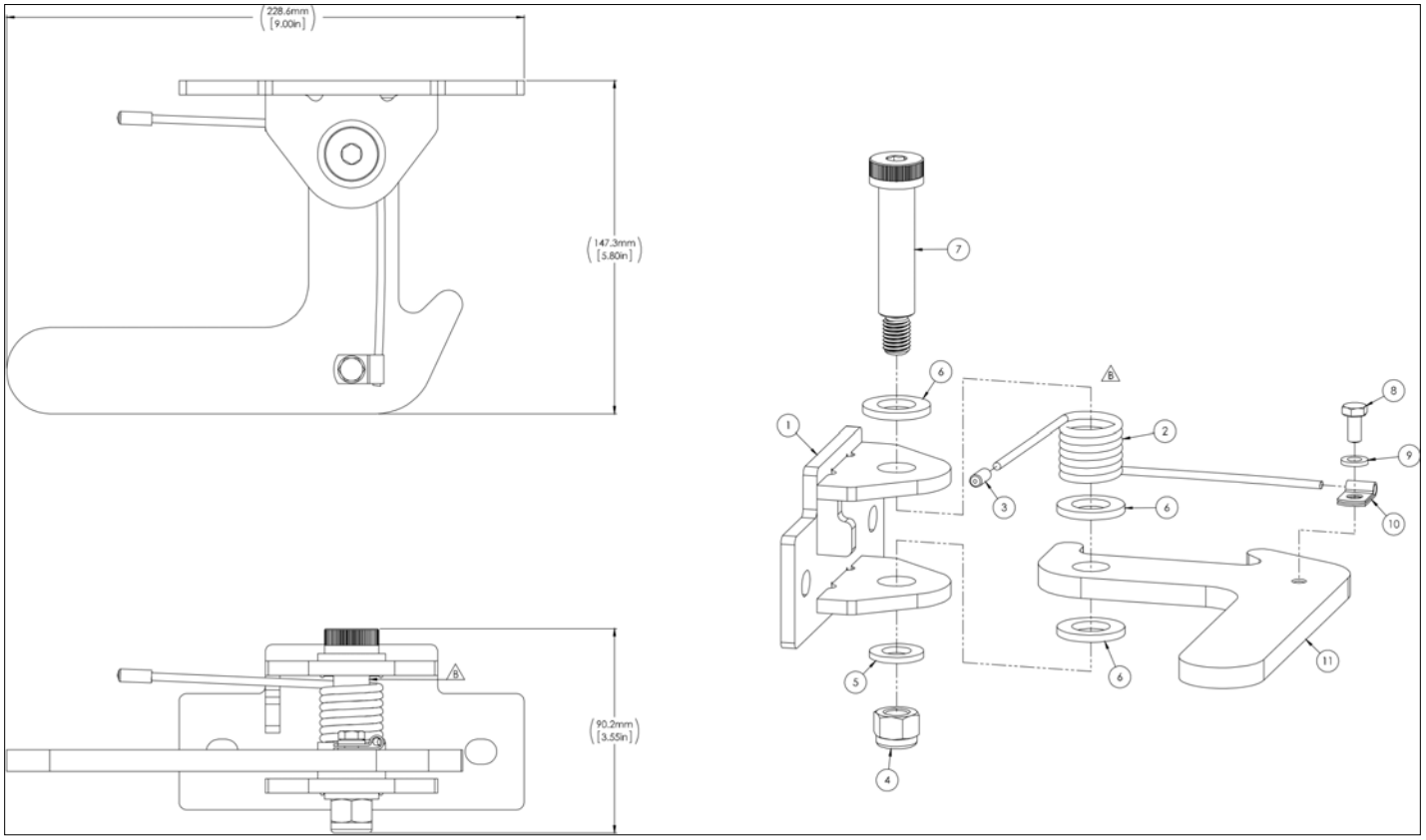



9
10 4X
11 4X
FOR THIS DIMENSION, ADJUST U-BOLT DISTANCE IN OR OUT USING HEX NUTS TO PROPERLY SEAT U-BOLT INTO LATCH HANDLE WHEN TRAY IS IN OPEN POSITION
DETAIL D
SCALE 1 : 2
NOTE:
PART NUMBER (5563956) 2.0 INCH SQUARE U-BOLT 3/8-16 THREAD IS SUPPLIED WITH (2) 3/8-16 WASHERS AND NUTS.
(2) ADDITIONAL 3/8-16 WASHERS AND NUTS ARE NEEDED TO SECURE U-BOLT INTO PROPER LOCATION.
7 2X
14 2X
2X 7
2X 14
13
12
DETAIL C
SCALE 1 : 2


REFER TO DRAWING 1431176 FOR INSTALLATION INSTRUCTIONS
ON COWLINGS, HOODS, AND COVERS.
19
5
18
5
15
1
16
5
17
5

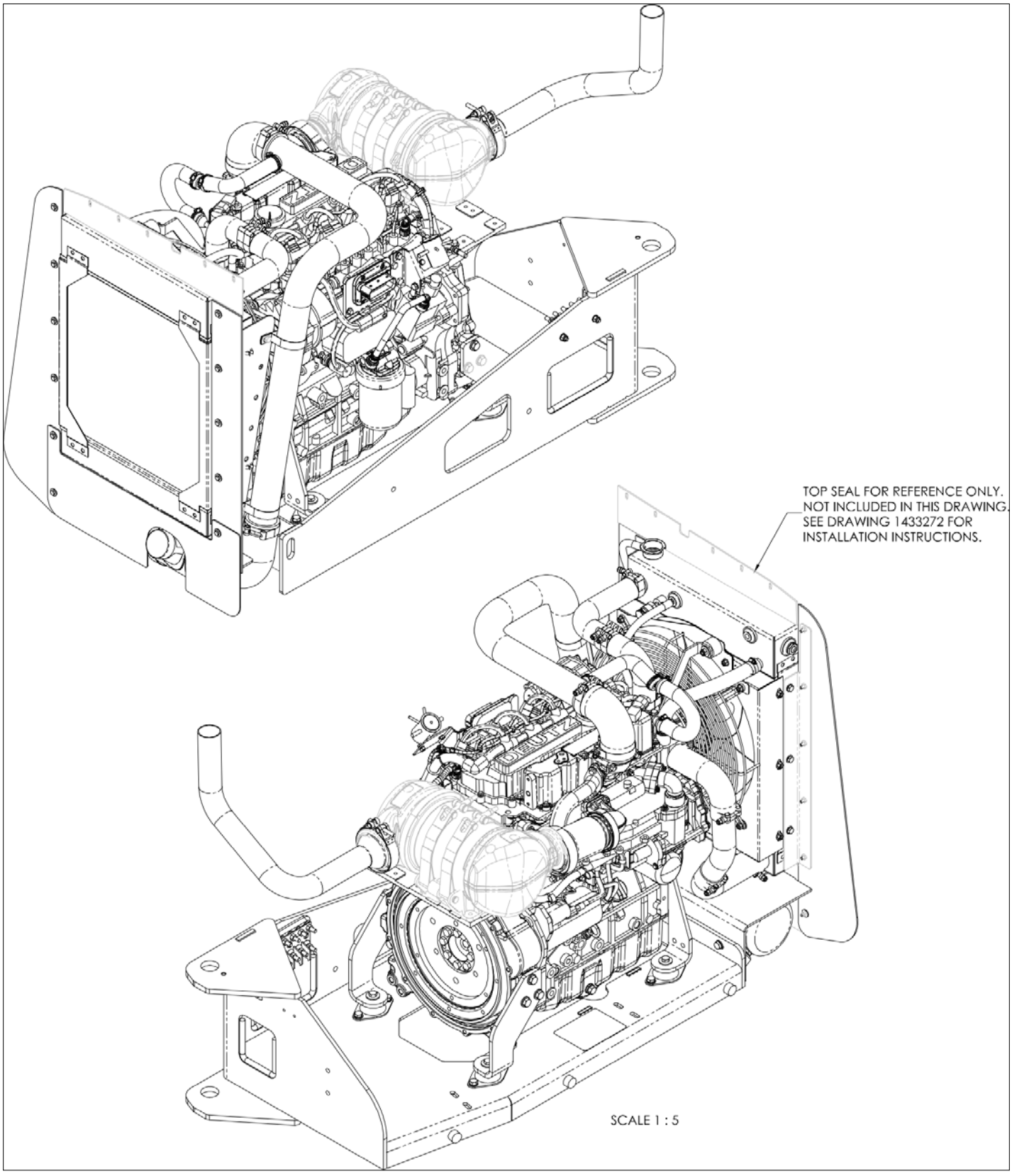
アイテム	部品番号	名前	数量	UOM
-	1433272 D	ENGINE WITH TRAY INSTALLATION		EA
1	1433185	ENG ASSY, DEUTZ D2.9, 400/600	1	EA
2	104640-000	UHMW THRUST WASHER	1	EA
3	104713-000	TRAY PIN WELDMENT	1	EA
4	5563543	WSHR, FLAT M10 YL ZN GR 10.9	1	EA
5	5563499	BOLT, HX HD M10X1.5X25 YL ZN GR10.9	1	EA
6	208247-016	BOLT, HX HD M10X1.5X25 YL ZN GR10.9	1	EA
7	510561-010	WASHER, STEELFLATWASHER DIN125A M10 STAINLESS	4	EA
8	056687-035	HHCS M16 X 2.0 X 35 G8.8 ISO 4014 DIN 931	1	EA
9	5563956	SQUARE U-BOLT, 2.0 IN 3/8-16	1	EA
10	986299	WASHER, FLAT, .375 STANDARD, PLATED	4	EA
11	984109	NUT HEX .375-16	4	EA
12	1433626	WLDMNT, SLEW/PROP, BRKT	1	EA
13	1433412	LATCH ASSY, ENG TRAY, LWR 460/660	1	EA
14	058493-020	BOLT HEXSETSCREW DIN933 M10 X 20MM 8.8 ZP	4	EA
15	1433854	SEAL, RECIRC TOP, 400/460	1	EA
16	508247-006	WASHER OVERSIZED M6 X 18MM DIN9021 ZP	5	EA
17	512912-016	SBHCS M6 X 1.0X 16 GR10.9 BLK FINISH	5	EA
18	056069-006	WSHR STEELFLATWSHE M6 DIN125A	5	EA
19	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	5	EA

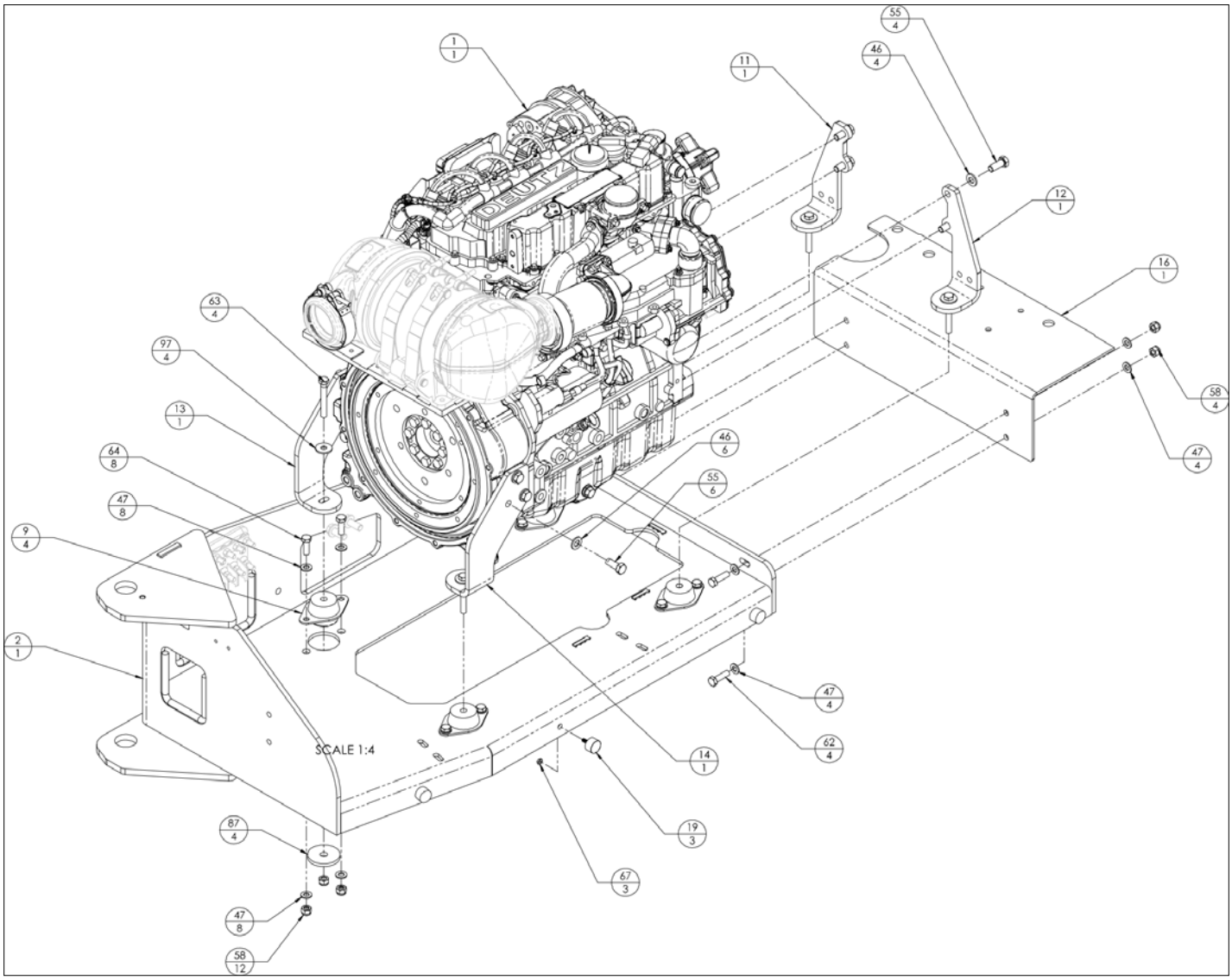
REPAIR PARTS

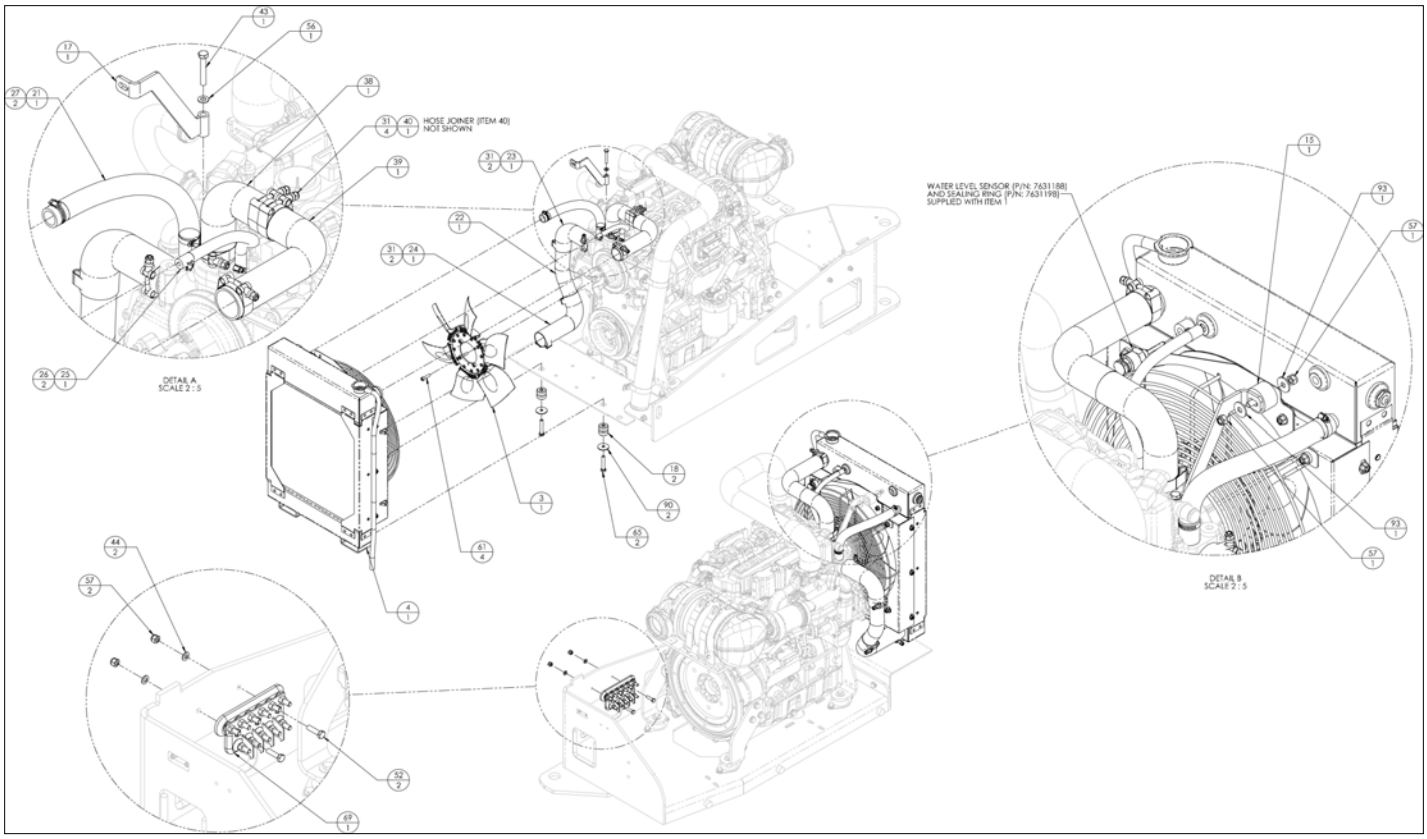


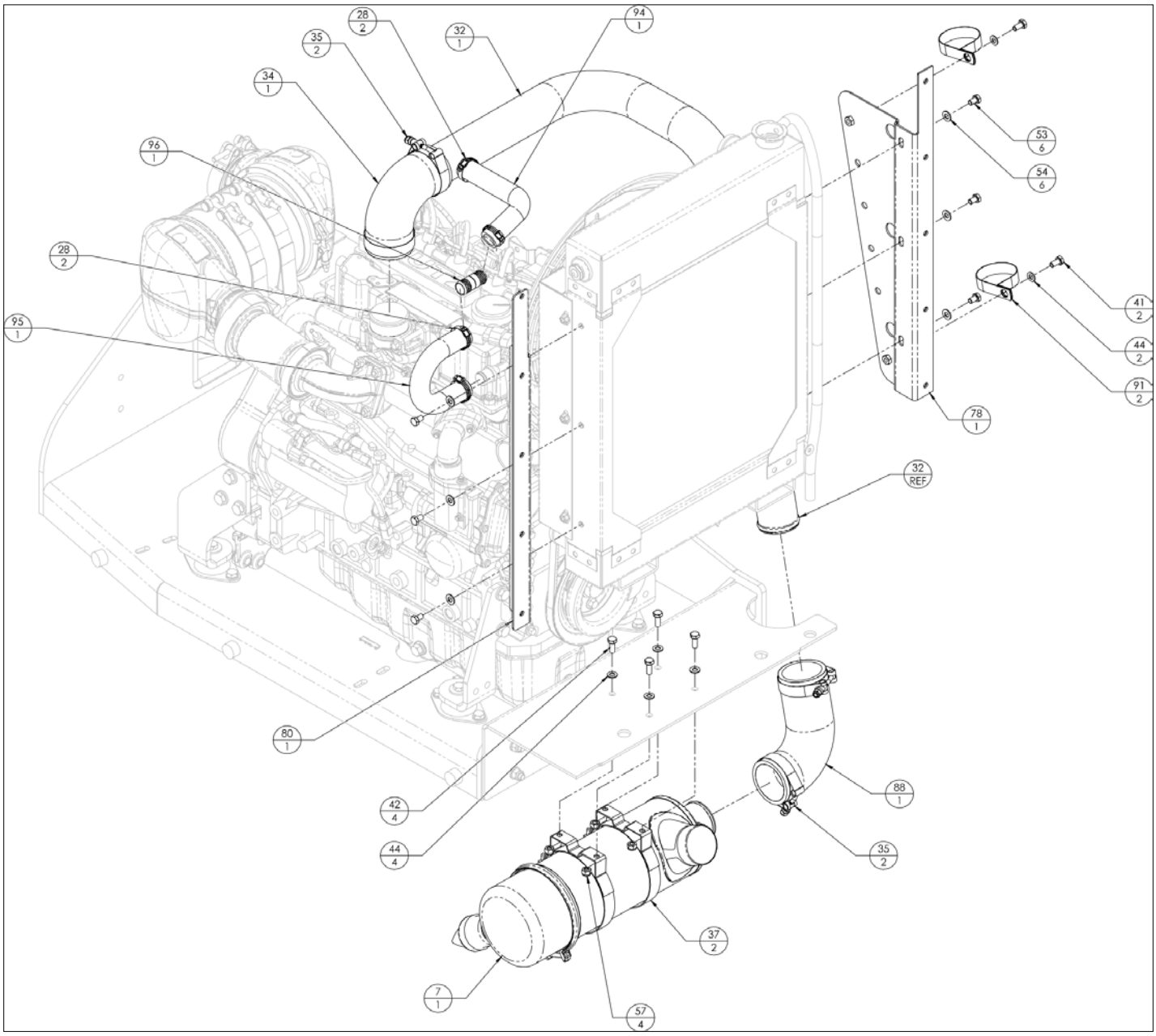
アイテム	部品番号	名前	数量	UOM
-	1433412B	ENGINE TRAY LOWER LATCH ASSEMBLY 400S 460SJ		EA
1	1433411	LATCH WELDMENT	1	EA
2	5534391	TORSION SPRING 120 RH	1	EA
3	2540016	CAP, PUSH ON	1	EA
4	056064-012	NUT HEX M12 X 1.75 GR 10.9 SELF LOCKING DIN 985	1	EA
5	5563544	WSHR, FLAT M12 YL ZN GR 10.9	1	EA
6	5563546	WASHER, FLAT M16 GR10.9	3	EA
7	5563879	BOLT SHDR SKTHD 16MM X 60MM X	1	EA
8	512630-012	HHCS M6X1X12 G10.9 ISO 4017	1	EA
9	5563541	WASHER, FLAT, M6, STEEL, C10.9, YELLOW ZINC	1	EA
10	5059730	LOOP CLAMP, .188ID x 1.0 LONG	1	EA
11	1433410	HANDLE LATCH	1	EA

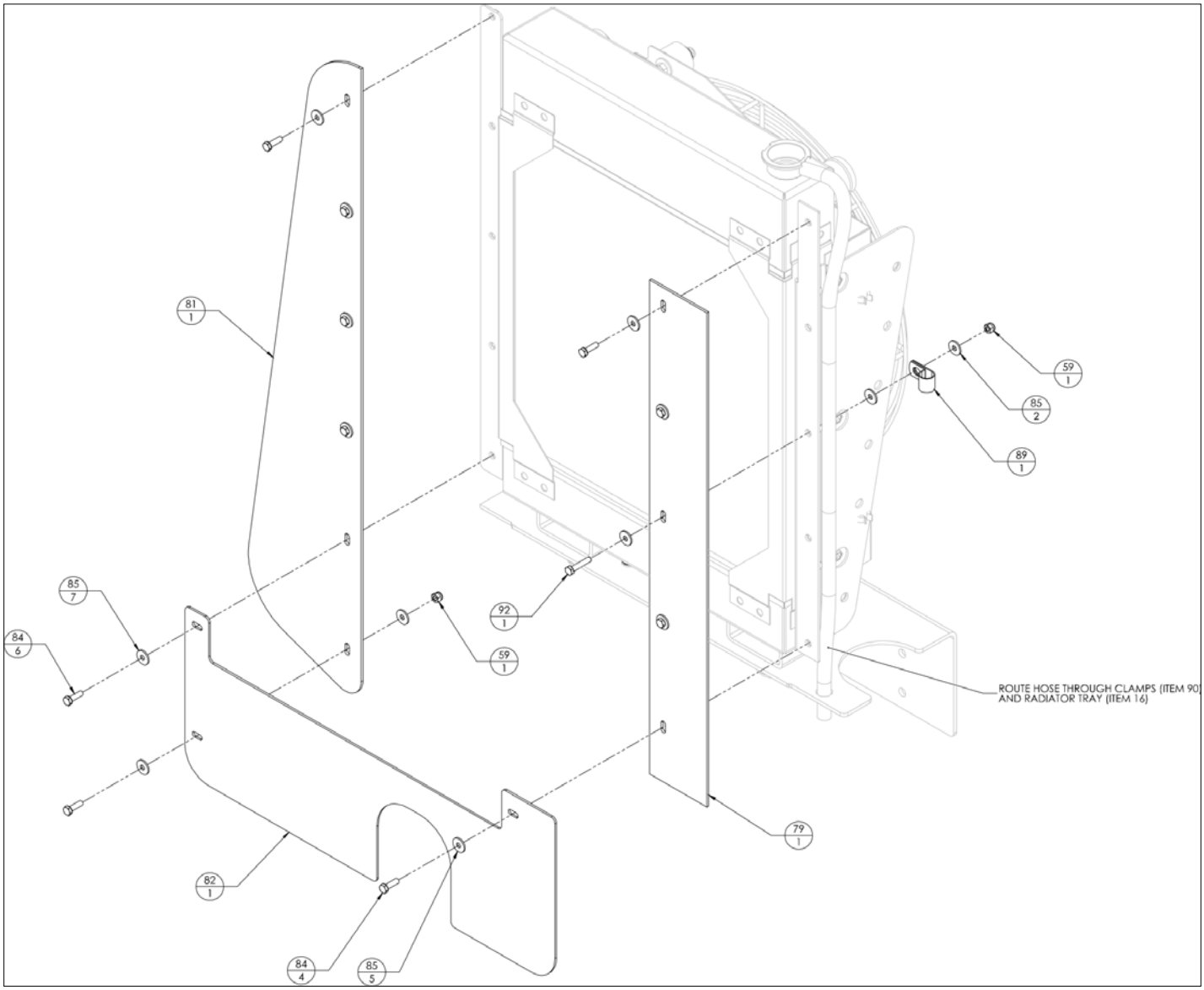
REPAIR PARTS

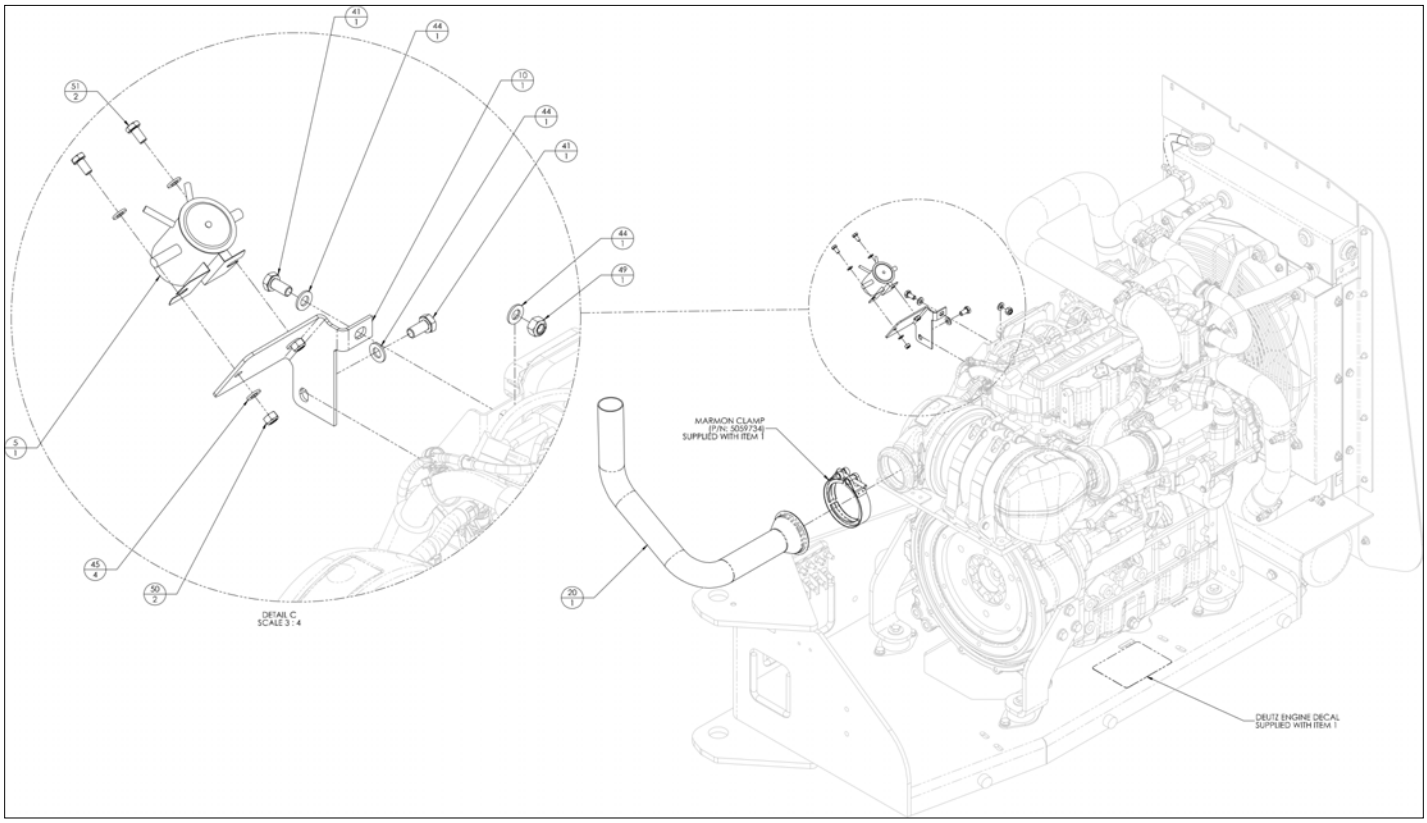


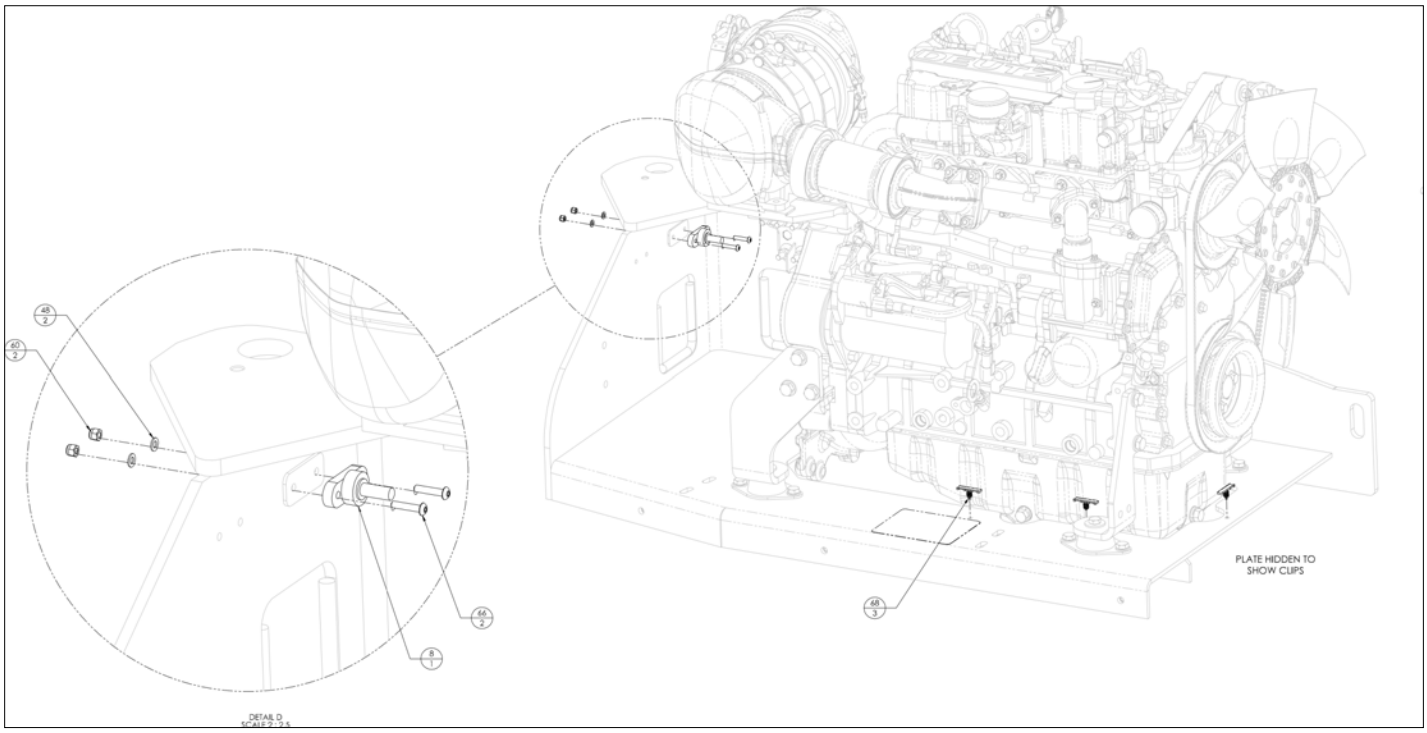

1 1
11 1
55 4
46 4
12 1
16 1
63 4
97 4
13 1
64 8
47 8
9 4
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47 8
58 12
SCALE 1:4

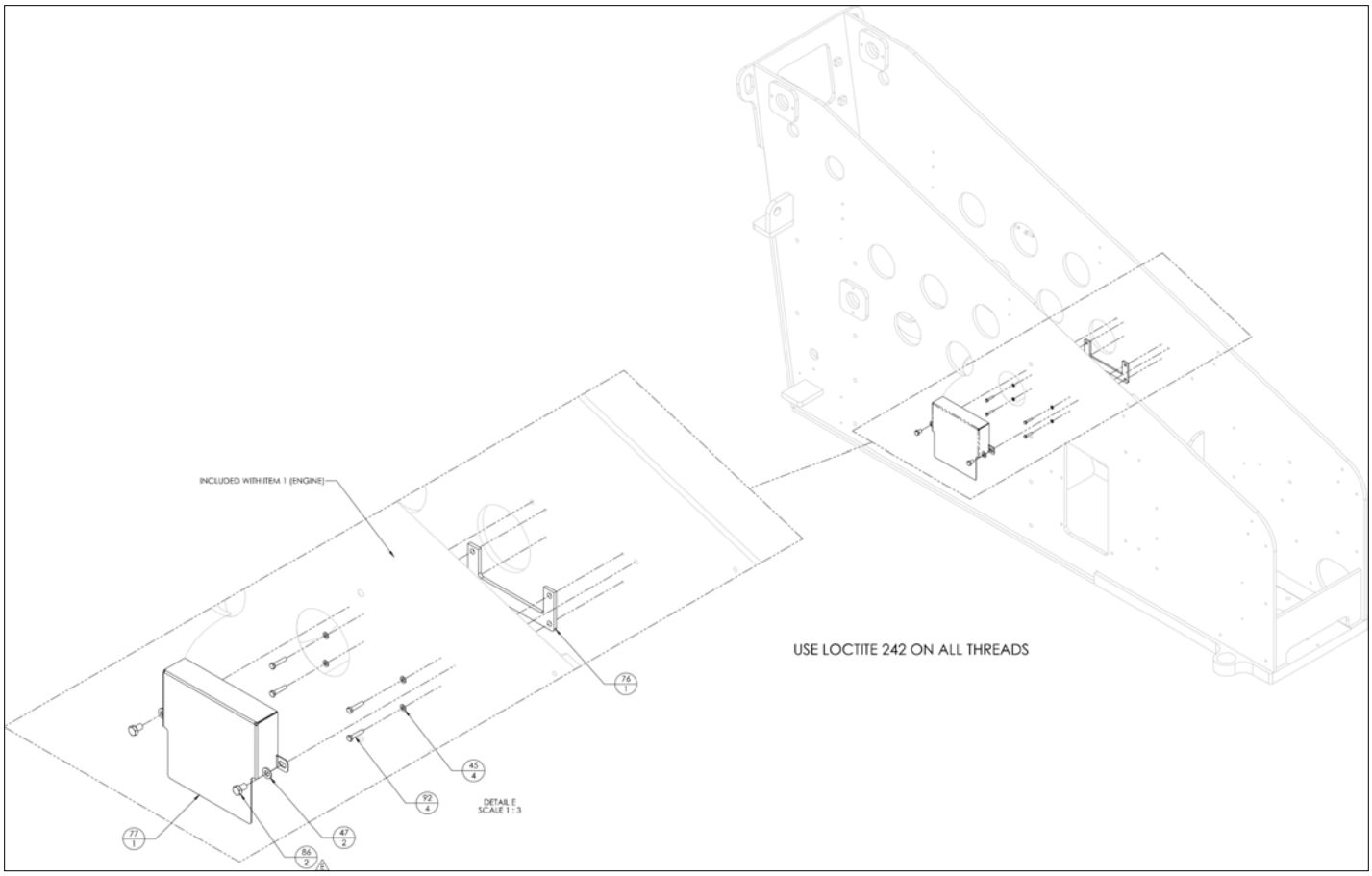

HOSE JOINER (ITEM 40)
NOT SHOWN
WATER LEVEL SENSOR (P/N: 7631188)
AND SEALING RING (P/N: 7631198)
SUPPLIED WITH ITEM 1
DETAIL A
SCALE 2 : 5
DETAIL B
SCALE 2 : 5

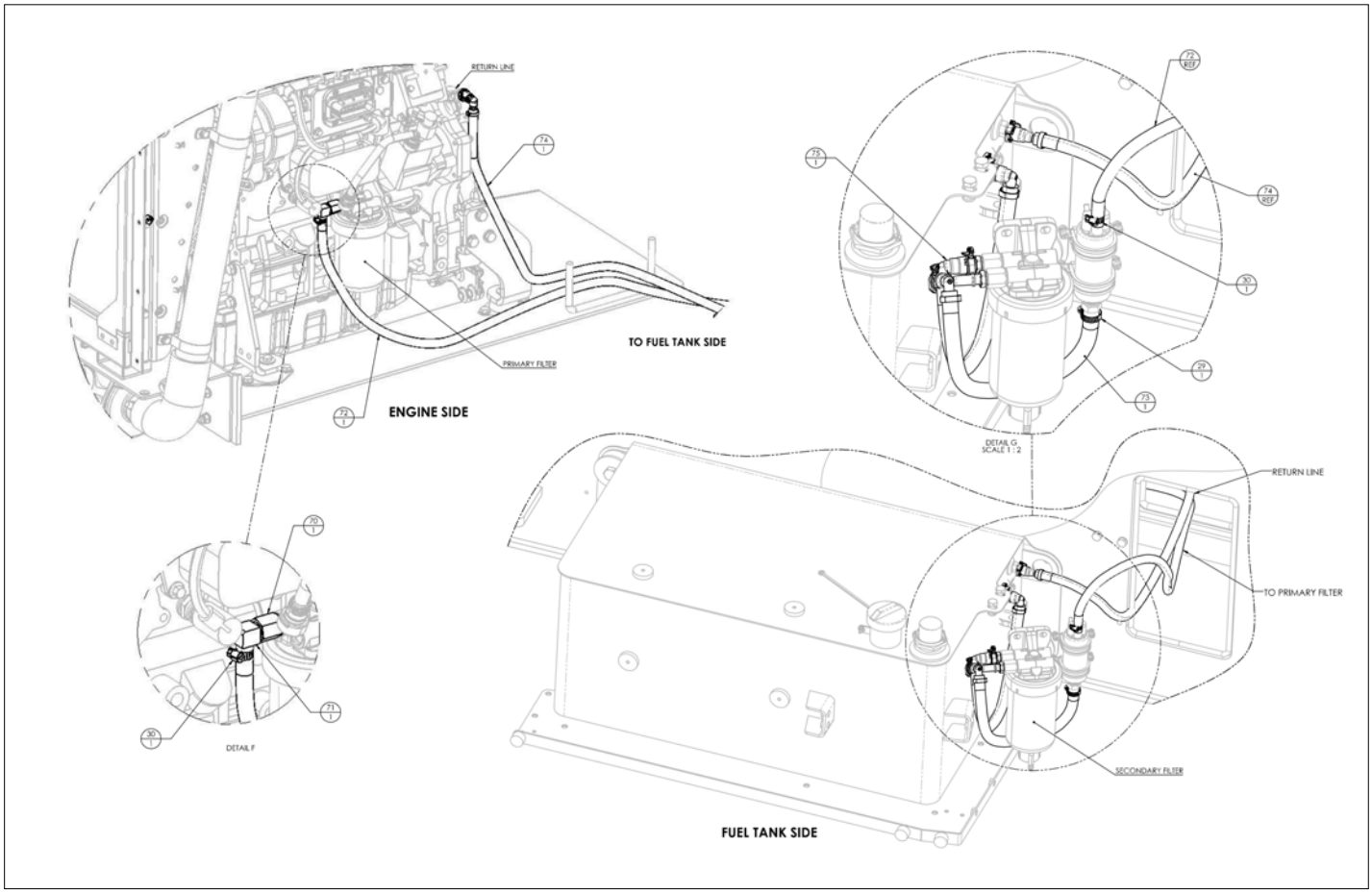

28 2
35 2
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94 1
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96 1
28 2
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54 6
41 2
44 2
91 2
78 1
32 REF
80 1
42 4
44 4
88 1
35 2
37 2
7 1
57 4


81
1
59
1
85
2
89
1
85
7
84
6
92
1
59
1
ROUTE HOSE THROUGH CLAMPS (ITEM 90)
AND RADIATOR TRAY (ITEM 16)
79
1
82
1
84
4
85
5


41
1
44
1
10
1
44
1
41
1
51
2
44
1
49
1
5
1
45
4
50
2
DETAIL C
SCALE 3 : 4
MARMON CLAMP
(P/N: 5059734)
SUPPLIED WITH ITEM 1
20
1
DEUTZ ENGINE DECAL
SUPPLIED WITH ITEM 1


PLATE HIDDEN TO SHOW CLIPS


INCLUDED WITH ITEM 1 (ENGINE)
USE LOCTITE 242 ON ALL THREADS
DETAIL E
SCALE 1 : 3
76 1
45 4
92 4
47 2
77 1
86 2


RETURN LINE
74
1
TO FUEL TANK SIDE
PRIMARY FILTER
72
1
ENGINE SIDE
73
REF
71
1
74
REF
30
1
29
1
73
1
DETAIL G
SCALE 1 : 2
70
1
71
1
30
1
DETAIL F
RETURN LINE
TO PRIMARY FILTER
SECONDARY FILTER
FUEL TANK SIDE

アイテム	部品番号	名前	数量	UOM
-	1433185 G	ENGINE ASSEMBLY DEUTZ D2.9		EA
1	7624820	ENGINE DEUTZ D2.9 L4 81414737	1	EA
2	1433195	ENGINE TRAY WELDMENT 460	1	EA
3	7631199	FAN PULLER CW 16.93 DIA	1	EA
4	1433204	RADIATOR DEUTZ D2.9 L4,400/460	1	EA
5	3040506	SOLENOID 12V 150	1	EA
7	5089689	AIR CLEANER DEUTZ D2.9 400S/460SJ	1	EA
8	3220282	STUD GND LUG BUSSMAN	1	EA
9	1431761	VIB MNT RUBR BAR CTLS 507-5NS	4	EA
10	1433212	BRACKET, GRID HEATER RELAY	1	EA
11	1433068	FRONT LH ENG MTG BRKT 3/8" THK	1	EA
12	1433067	FRONT RH ENG MTG BRKT 3/8" THK	1	EA
13	1433070	ENGINE MTG BRACKET RR 3/8" THK	1	EA
14	1433069	ENG MNTG BRKT RR 3/8" THK	1	EA
15	1431806	VIBRATION DAMPER MCM 9225K81	1	EA
16	1433860	BRKT, RADIATOR MOUNT 400/460	1	EA
17	1433984	WLDMT, TOP RADIATOR BRACKET	1	EA
18	9906068	ISOLATOR TUBE MOUNT	2	EA
19	5563642	BUMPER-RUBBER M6X1.0	3	EA
20	1433743	EXHAUST TUBE, DEUTZ 2.9, 400/460	1	EA
21	5018902	HOSE, HEATER BYPASS	1	EA
22	1433318	TUBE LOWER RADIATOR	1	EA
23	1433208	ELBOW, RADIATOR, 2" ID	1	EA

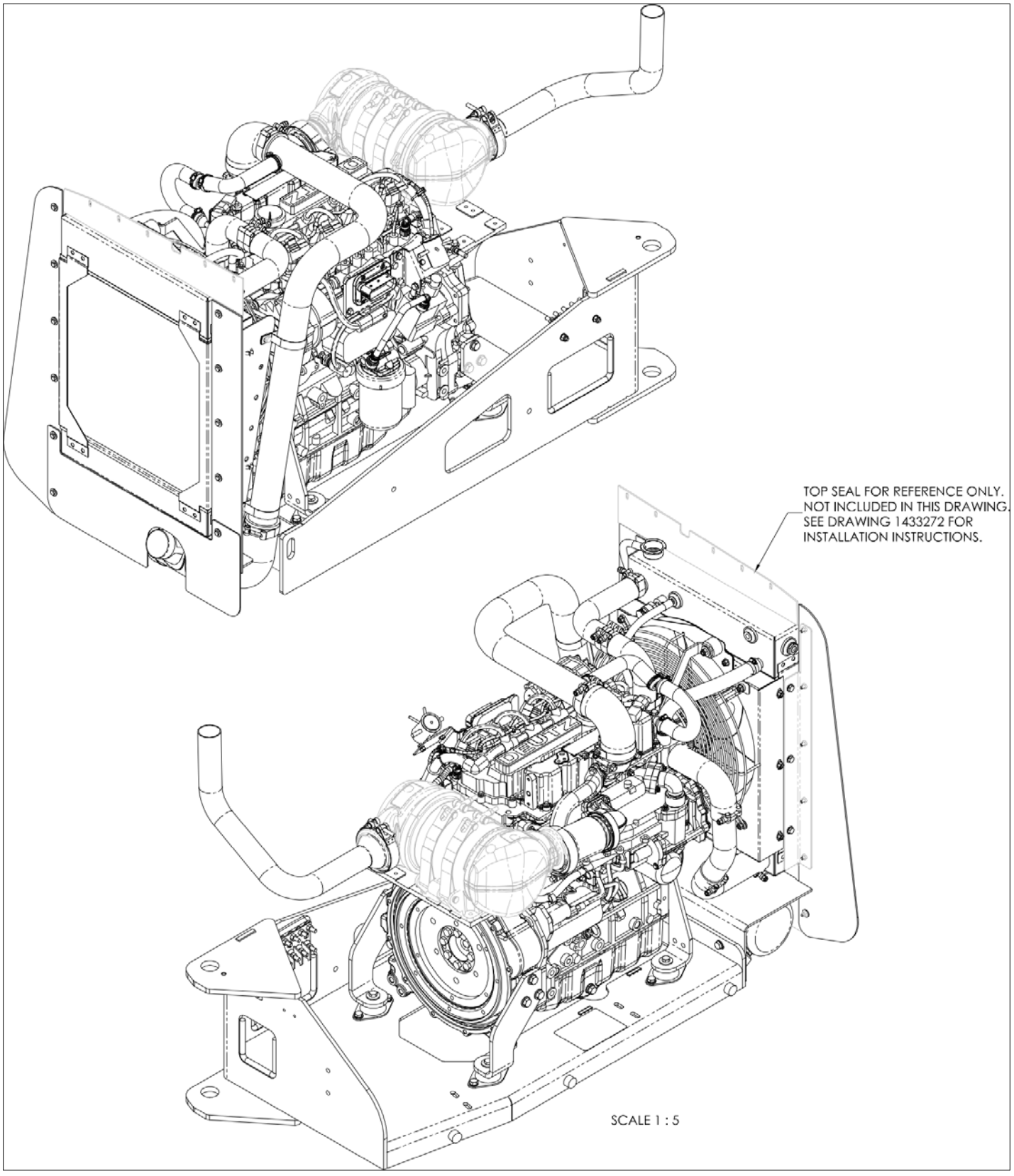
アイテム	部品番号	名前	数量	UOM
24	1433207	ELBOW, RADIATOR, 2" ID	1	EA
25	5018899	HOSE, BLEED LINE	1	EA
26	604716	CLP WORM DRV .25-.69 SAE#5	2	EA
27	457406	CLP WORM DRV .50-1.25 SAE#12	2	EA
28	5550037	CLP WORM DRV 1.00-2.00 SAE#24	4	EA
29	5554380	CLP WORM DRV .81-1.5 SAE#16	1	EA
30	5550010	CLP WORM DRV .50-1.06 SAE#10	2	EA
31	1432054	CLAMP T-BOLT 2 IN	8	EA
32	1433898	WLDMT, AIR INTAKE TUBE, 400S/460SJ	1	EA
34	1433371	HOSE, 90DEG INTAKE	1	EA
35	5550040	CLP WORM DRV 2.00-3.00 SAE#40	4	EA
37	5089688	MOUNTING BAND, DONALDSON	2	EA
38	1433929	ELBOW, RADIATOR, 1.75INCH ID	1	EA
Not Shown	1432053	HOSE JOINER 1.75 IN	1	EA
40	1433928	ELBOW, RADIATOR, 1.75INCH ID	1	EA
41	510681-016	HHCS M8X1.25X16 G10.9 ISO 4014	4	EA
42	510681-020	HHCS M8X1.25X20 G10.9 ISO 4014 DIN 933	4	EA
43	5563921	HHCS M8 X 1.25 X 50 G10.9 DIN 931 ZP	1	EA
44	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	11	EA
45	056069-006	WSHR STEELFLATWSHE M6 DIN125A	8	EA
46	056069-012	WASHER DIN125A M12 ZP	12	EA
47	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	26	EA

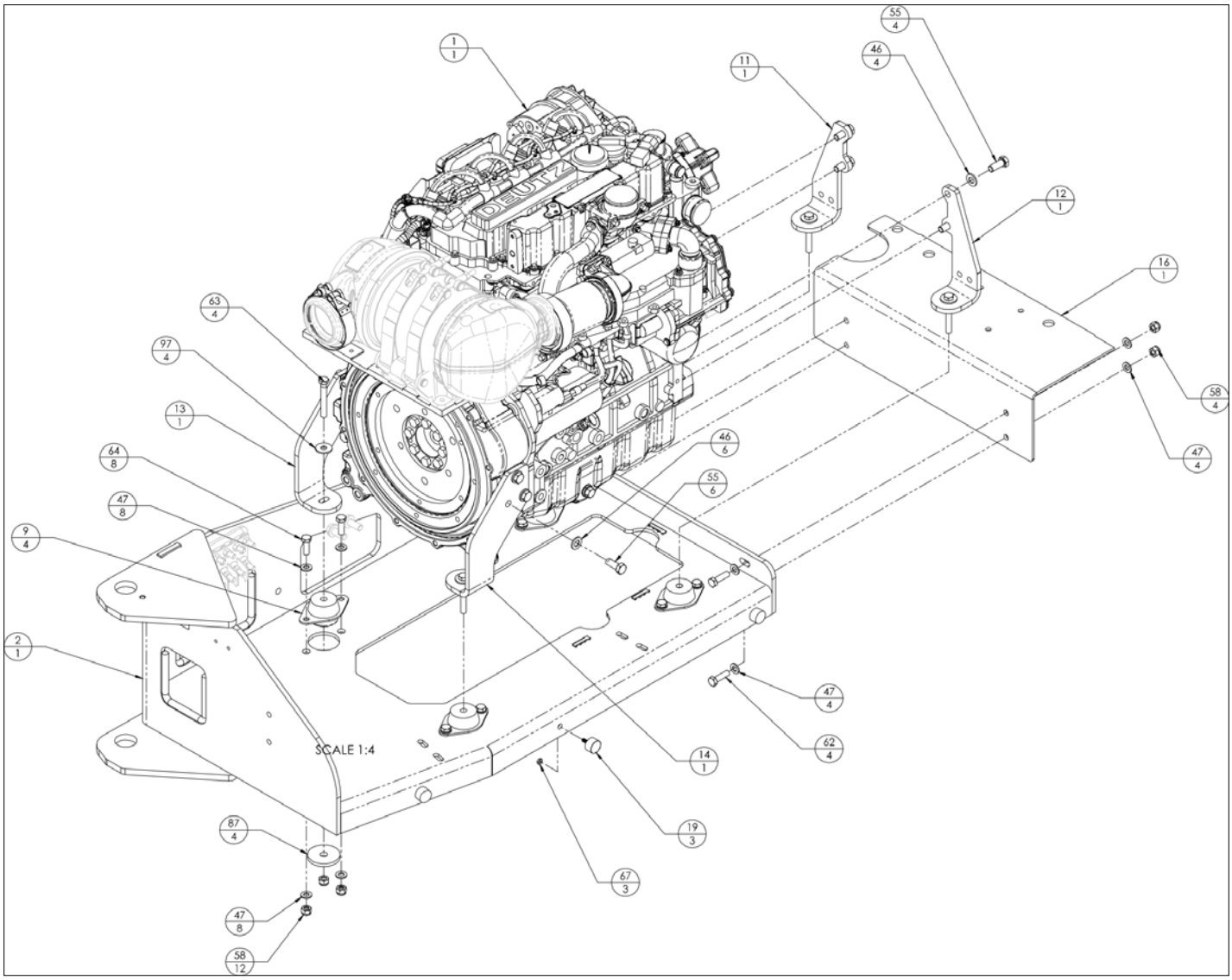
アイテム	部品番号	名前	数量	UOM
48	056069-005	Washer SteelFlatWasher DIN125A	2	EA
49	5563555	NUT HEX M8X1.25 YL ZN GR10.9	1	EA
50	5563554	NUT HEX M6X1 YL ZN PLT GR10.9	2	EA
51	512630-012	HHCS M6X1X12 G10.9 ISO 4017	2	EA
52	5563492	HHCS M10 X 1.5 X 35 GR10.9 DIN 933	2	EA
53	970219	BLT HEXHD .313-18 .500 GR5-PLT	6	EA
54	5563815	WASHER FLAT .313 NARROW PLTD	6	EA
55	5563508	BOLT HEXBOLT DIN931 M12 X 1.75 X 30 10.11	12	EA
56	5563542	WSHR, FLAT M8 YL ZN GR 10.9	1	EA
57	056064-008	NUT HEX M8-1.25 GR10.9 SELF LOCKING DIN 985	8	EA
58	056064-010	Nut NylockNut DIN985 M10 10.0	16	EA
59	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
60	056066-005	Nut NylockNut DIN985 M5 8.0 Zi	2	EA
61	10424-030	SCREW M8-1.25 SHC X 30MM	7	EA
62	5563898	HHCS M10 X 35 G10.9 DIN 931	4	EA
63	058509-075	HHCS M10 X 1.50 X .75 GR 10.9 DIN 933	4	EA
64	056060-030	BOLT HEXBOLT DIN931 M10 X 30MM 8.8 ZP	8	EA
65	058509-055	HHCS M10X1.50X55 GR10.9 DIN933	2	EA
66	5563764	BHCS M5X0.8X25MM ZP CL 10.9	2	EA
67	056067-506	Nut, HexJamNut DIN936 M6 1.0 Z	3	EA
68	3220344	CLIP-HARNESS .04-.25 THK	3	EA

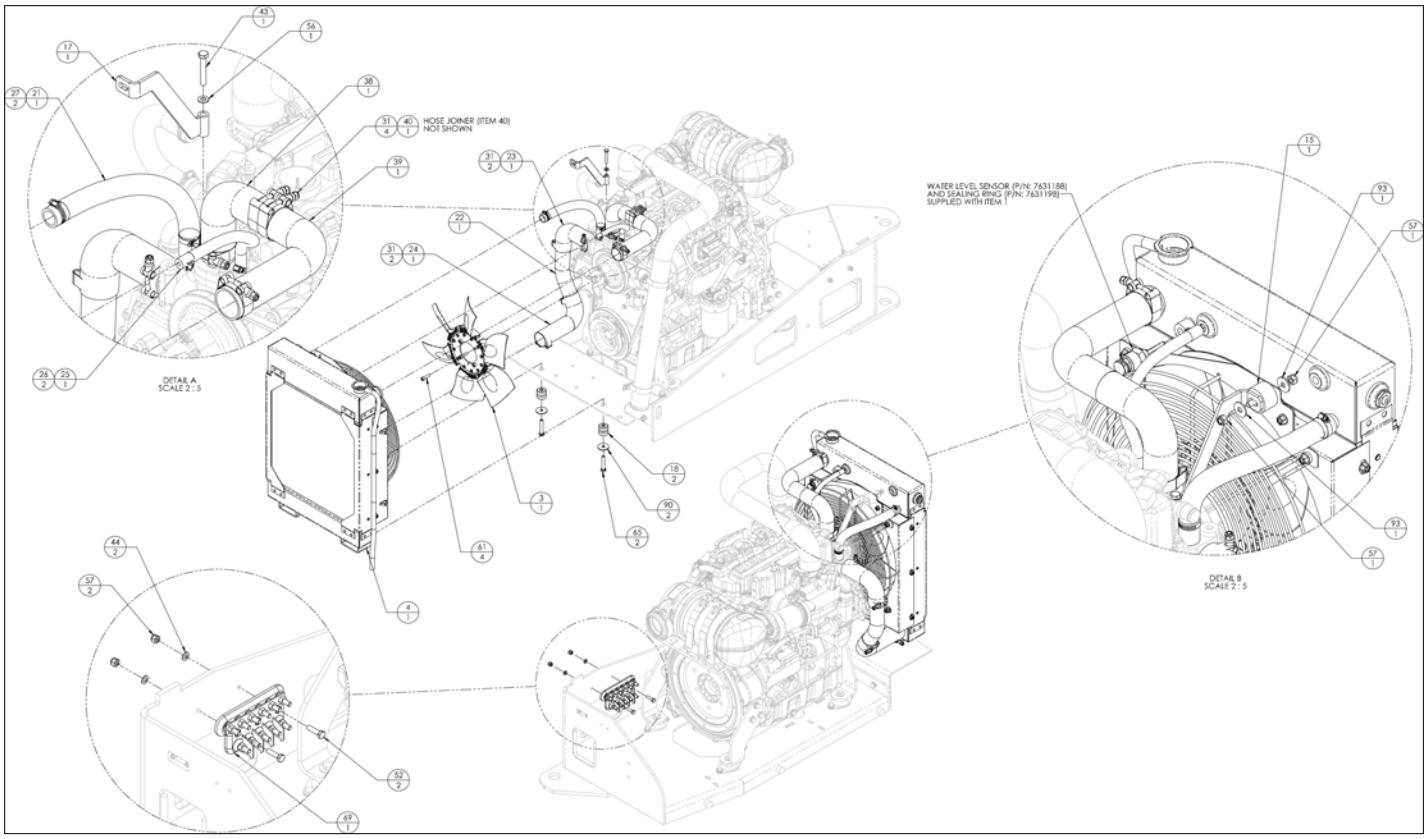
アイテム	部品番号	名前	数量	UOM
69	13253-000	POWER BUSS, FUSE HOLDER	1	EA
70	5028048	ADAPTER, REDUCER/EXPANDER M16X	1	EA
71	5033101	FTG, 90 DEG ELBOW 1/2 BEADED	1	EA
72	1433932	FUEL INJECTOR HOSE 3/8INCH ID PUMP TO MAIN FILTER, 400S/460SJ	1	EA
73	1433934	HOSE ASSY PRE FILTER LINE 400S/460SJ	1	EA
74	1433931	HOSE ASSY FUEL RETURN LINE 400S/460SJ	1	EA
75	1433933	HOSE ASSY TANK TO PRE FILTER 400S/460SJ	1	EA
76	1433752	SPACER, ECU TO TURRET, 400/460	1	EA
77	1433784	BRACKET, WEATHER-RESISTANT, ECU, 400/460	1	EA
78	1433901	WLDMT SEAL AND TUBE MOUNT 400S 460SJ	1	EA
79	1433853	SEAL, RECIRC TURRET SIDE, 400/460	1	EA
80	1433982	WLDMT SEAL MNT DOOR SIDE 400S/460SJ	1	EA
81	1433852	SEAL, RECIRC DOOR SIDE 400/460	1	EA
82	1433863	PLT, RECIRC SEAL COVER 400/460	1	EA
84	512630-020	HHCS M6 X X 20 G10.9 DIN 933	10	EA
85	508247-006	WASHER OVERSIZED M6 X 18MM DIN9021 ZP	14	EA
86	058493-016	BOLT HEXSCREW DIN933 M10 X 16MM 8.8 ZINCPLATED	2	EA
87	27121-000	ISOLATER RETAINER PLATE	4	EA
88	1433873	ELBOW, 2.5" ID, 90 ° , 4X6" LEGS	1	EA
89	5093021	CLP CUSH .625 VINYL COATED	1	EA
90	9906066	MOUNT, WASHER SNUBBING	2	EA

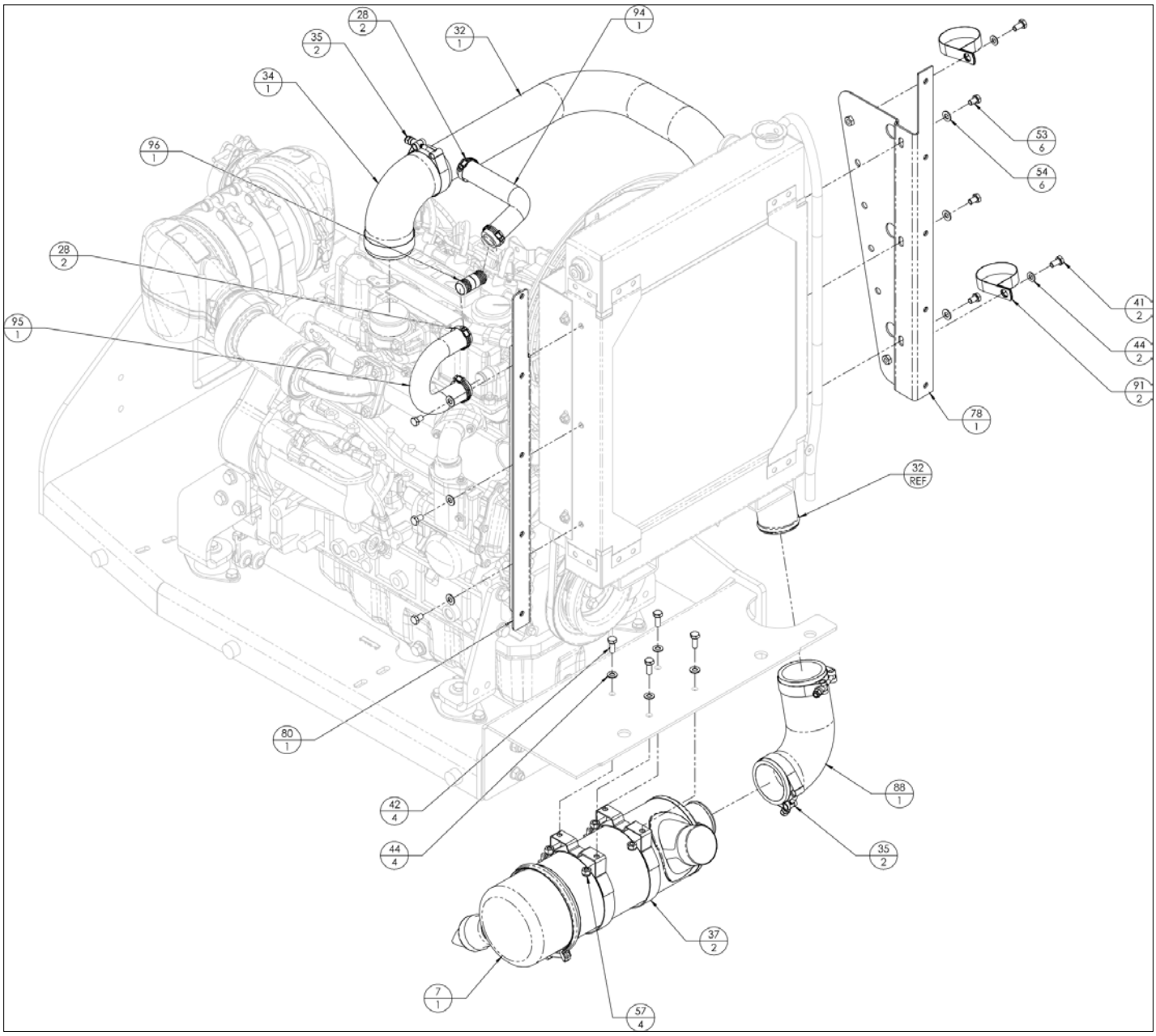
アイテム	部品番号	名前	数量	UOM
91	5093030	CLP CUSH 2.50 VINYL COATED	2	EA
92	512630-030	HHCS M6 X 1 30 G10.9 DIN933	5	EA
93	508247-008	Washer, pennywasher, DIN9021, M8	2	EA
94	1433926	HOSE 0.88 ID 90 ° ELBOW, 3.5INCH X 5.5INCH LEGS, EGR 400S/460SJ	1	EA
95	1433925	HOSE 0.88 ID, U-SHAPE 4INCH LEGS, EGR 400S/460SJ	1	EA
96	1433927	JOINER, HOSE .875INCH	1	EA
97	508247-010	Washer,PennyWasher, DIN9021,M1	4	EA

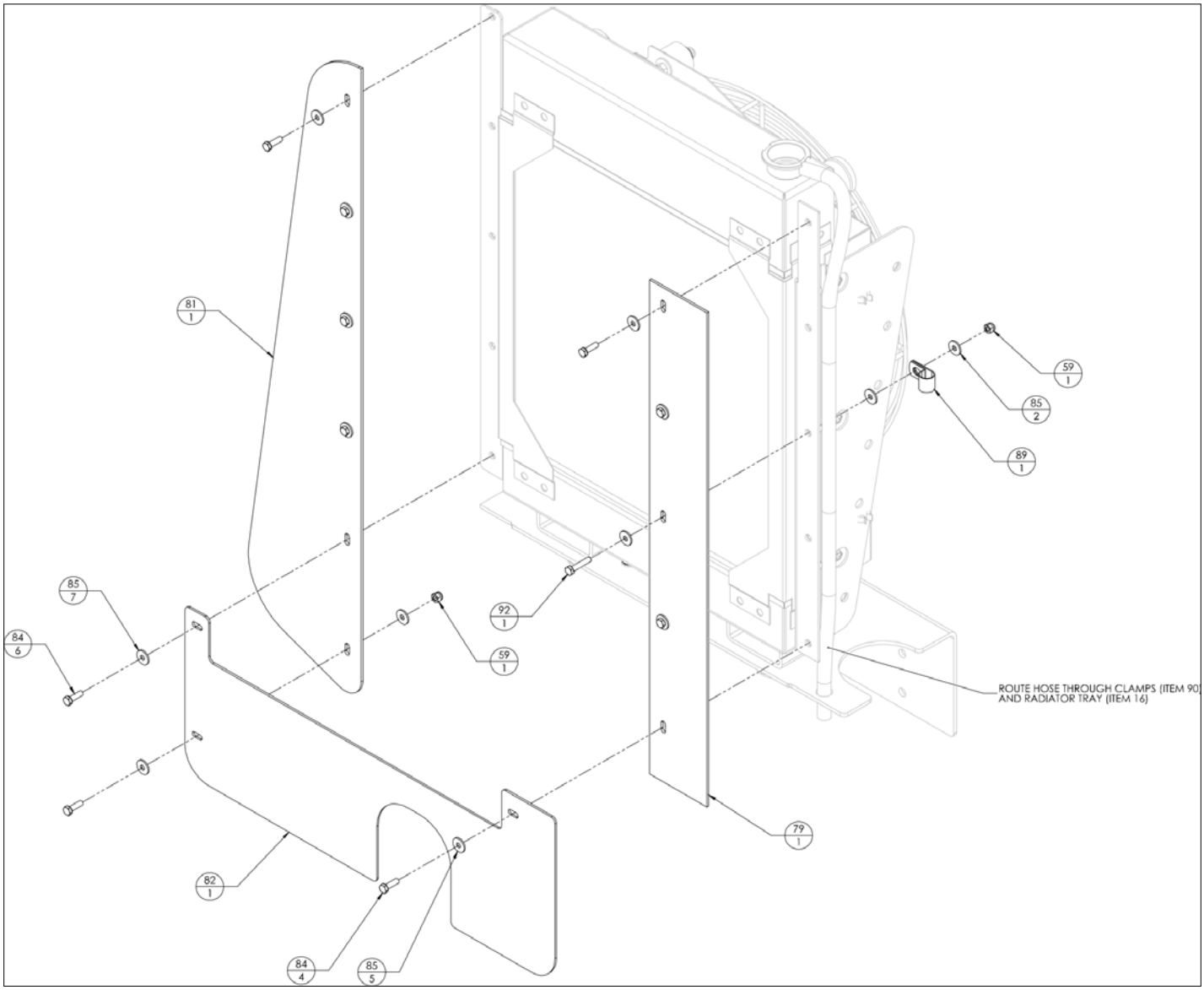
REPAIR PARTS

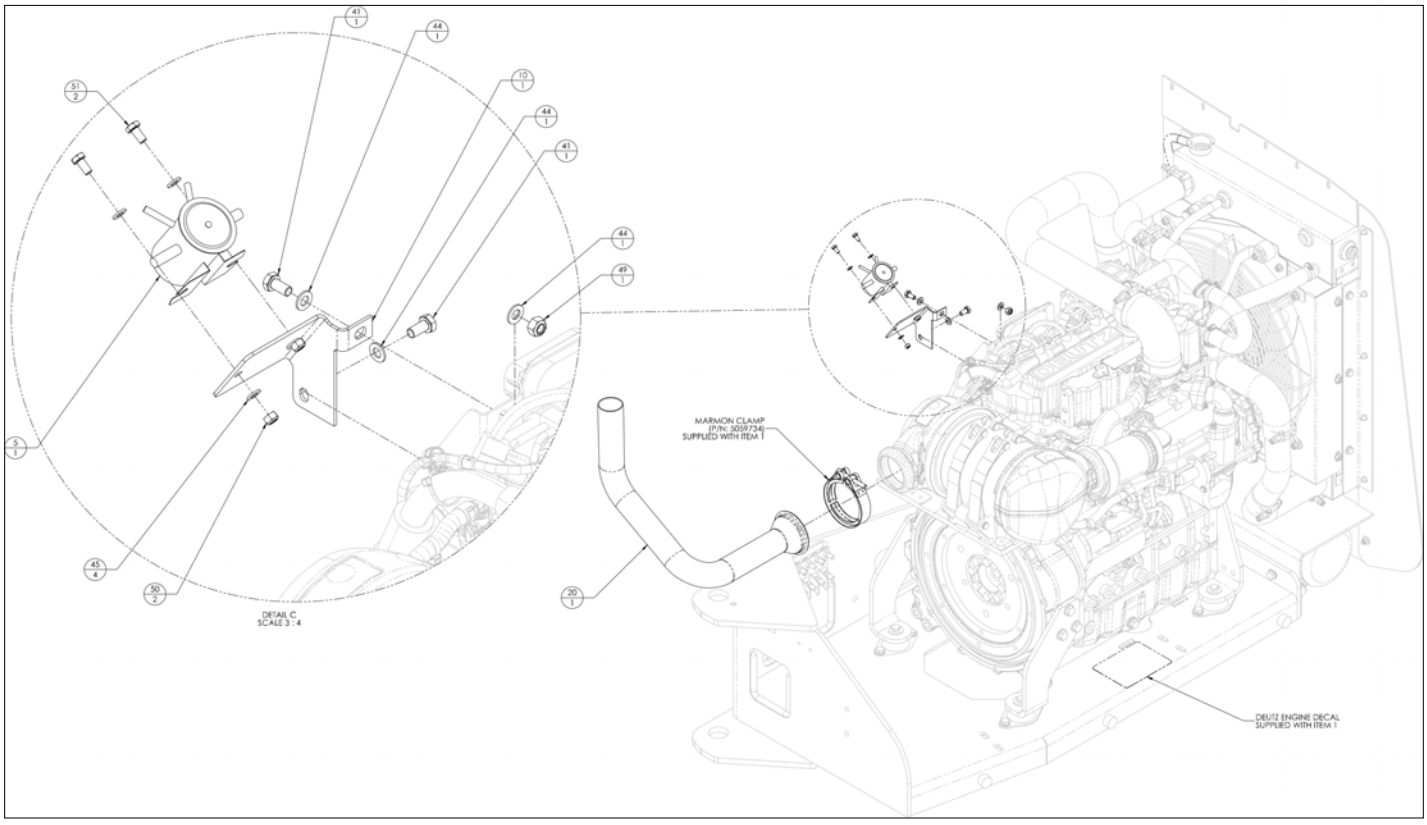


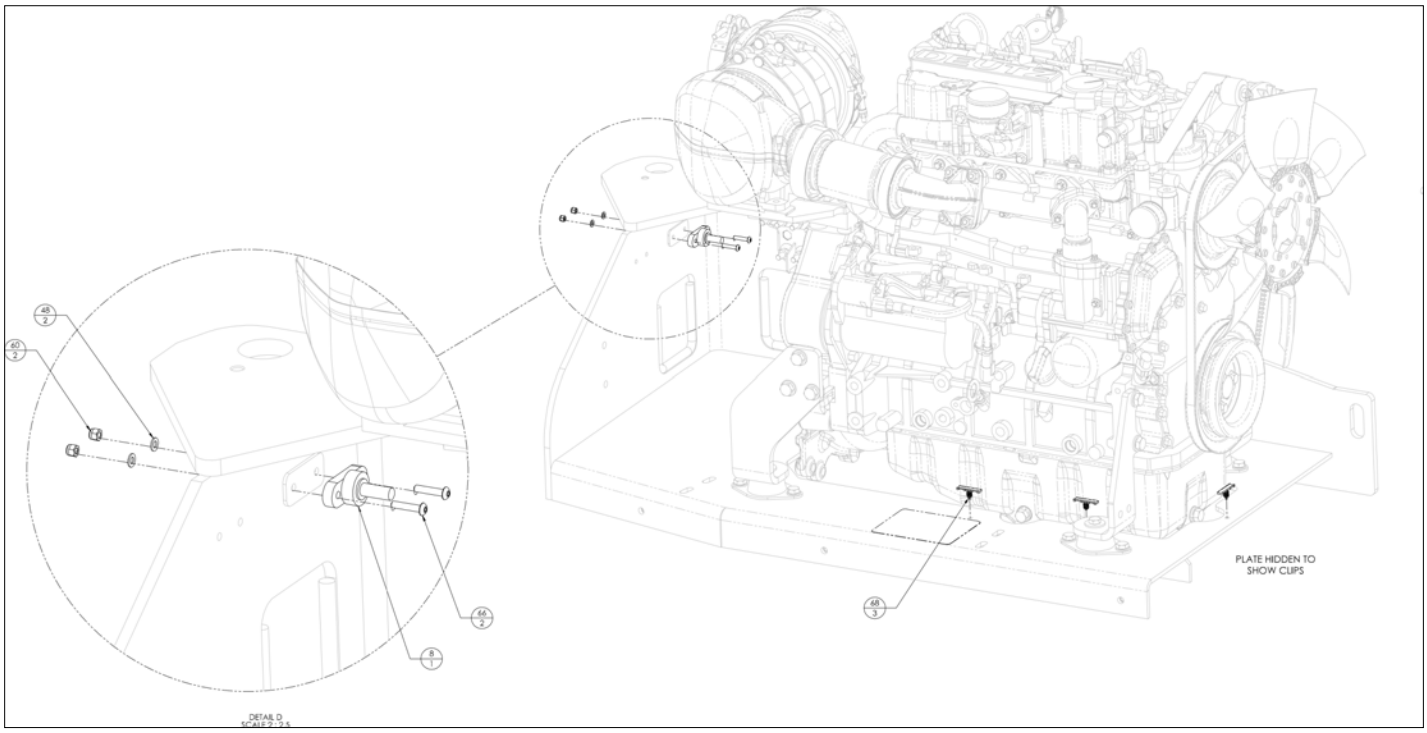

1 1
11 1
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46 4
12 1
16 1
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97 4
13 1
64 8
47 8
9 4
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19 3
67 3
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47 8
58 12
SCALE 1:4

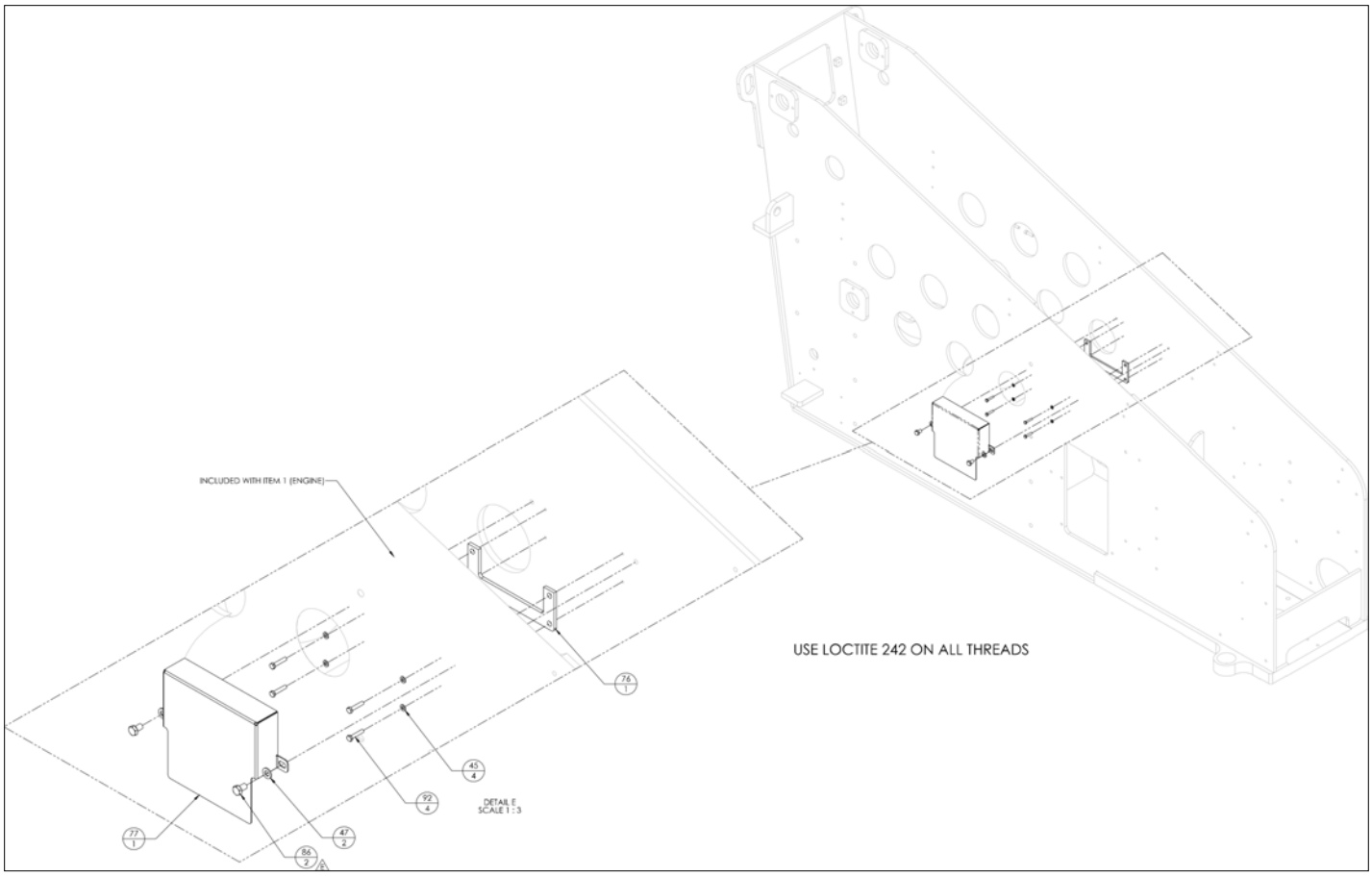

HOSE JOINER (ITEM 40)
NOT SHOWN
WATER LEVEL SENSOR (P/N: 7631188)
AND SEALING RING (P/N: 7631198)
SUPPLIED WITH ITEM 1
DETAIL A
SCALE 2 : 5
DETAIL B
SCALE 2 : 5

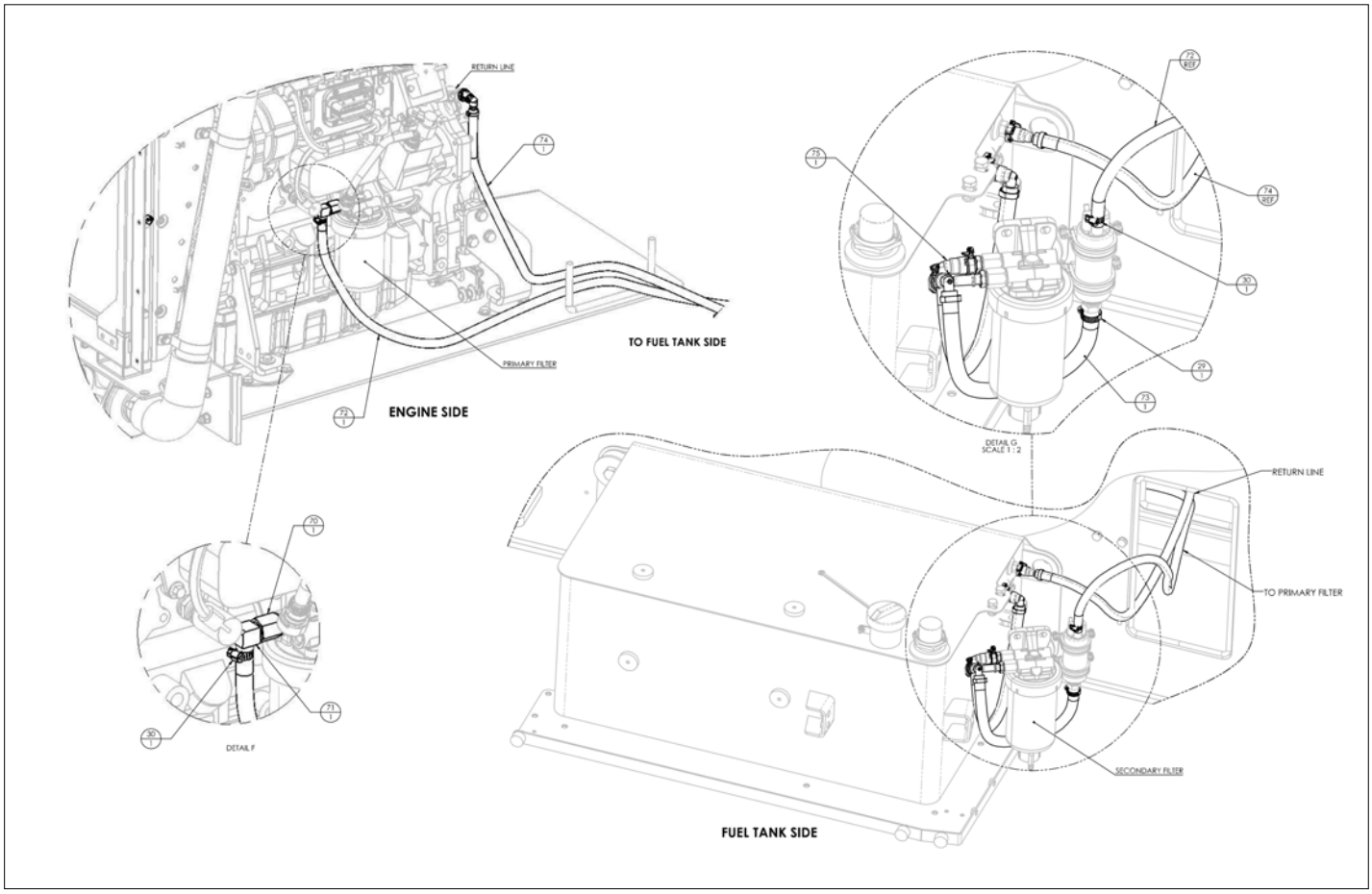

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35 2
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94 1
34 1
96 1
28 2
95 1
53 6
54 6
41 2
44 2
91 2
78 1
32 REF
80 1
42 4
44 4
88 1
35 2
37 2
7 1
57 4


81 1
59 1
85 2
89 1
85 7
84 6
92 1
59 1
ROUTE HOSE THROUGH CLAMPS (ITEM 90)
AND RADIATOR TRAY (ITEM 16)
79 1
82 1
84 4
85 5


41
1
44
1
10
1
44
1
41
1
51
2
44
1
49
1
5
1
45
4
50
2
DETAIL C
SCALE 3 : 4
MARMON CLAMP
(P/N: 5059734)
SUPPLIED WITH ITEM 1
20
1
DEUTZ ENGINE DECAL
SUPPLIED WITH ITEM 1


PLATE HIDDEN TO SHOW CLIPS


INCLUDED WITH ITEM 1 (ENGINE)
USE LOCTITE 242 ON ALL THREADS
DETAIL E
SCALE 1 : 3


RETURN LINE
74
1
TO FUEL TANK SIDE
PRIMARY FILTER
72
1
ENGINE SIDE
71
REF
74
REF
30
1
29
1
73
1
DETAIL G
SCALE 1 : 2
RETURN LINE
TO PRIMARY FILTER
SECONDARY FILTER
70
1
71
1
30
1
DETAIL F
FUEL TANK SIDE

アイテム	部品番号	名前	数量	UOM
*	1433185 G	ENGINE ASSEMBLY DEUTZ D2.9		EA
1	7624820	ENGINE DEUTZ D2.9 L4 81414737	1	EA
2	1433195	ENGINE TRAY WELDMENT 460	1	EA
3	7631199	FAN PULLER CW 16.93 DIA	1	EA
4	1433204	RADIATOR DEUTZ D2.9 L4,400/460	1	EA
5	3040506	SOLENOID 12V 150	1	EA
7	5089689	AIR CLEANER DEUTZ D2.9 400S/460SJ	1	EA
8	3220282	STUD GND LUG BUSSMAN	1	EA
9	1431761	VIB MNT RUBR BAR CTLS 507-5NS	4	EA
10	1433212	BRACKET, GRID HEATER RELAY	1	EA
11	1433068	FRONT LH ENG MTG BRKT 3/8" THK	1	EA
12	1433067	FRONT RH ENG MTG BRKT 3/8" THK	1	EA
13	1433070	ENGINE MTG BRACKET RR 3/8" THK	1	EA
14	1433069	ENG MNTG BRKT RR 3/8" THK	1	EA
15	1431806	VIBRATION DAMPER MCM 9225K81	1	EA
16	1433860	BRKT, RADIATOR MOUNT 400/460	1	EA
17	1433984	WLDMT, TOP RADIATOR BRACKET	1	EA
18	9906068	ISOLATOR TUBE MOUNT	2	EA
19	5563642	BUMPER-RUBBER M6X1.0	3	EA
20	1433743	EXHAUST TUBE, DEUTZ 2.9, 400/460	1	EA
21	5018902	HOSE, HEATER BYPASS	1	EA
22	1433318	TUBE LOWER RADIATOR	1	EA
23	1433208	ELBOW, RADIATOR, 2" ID	1	EA

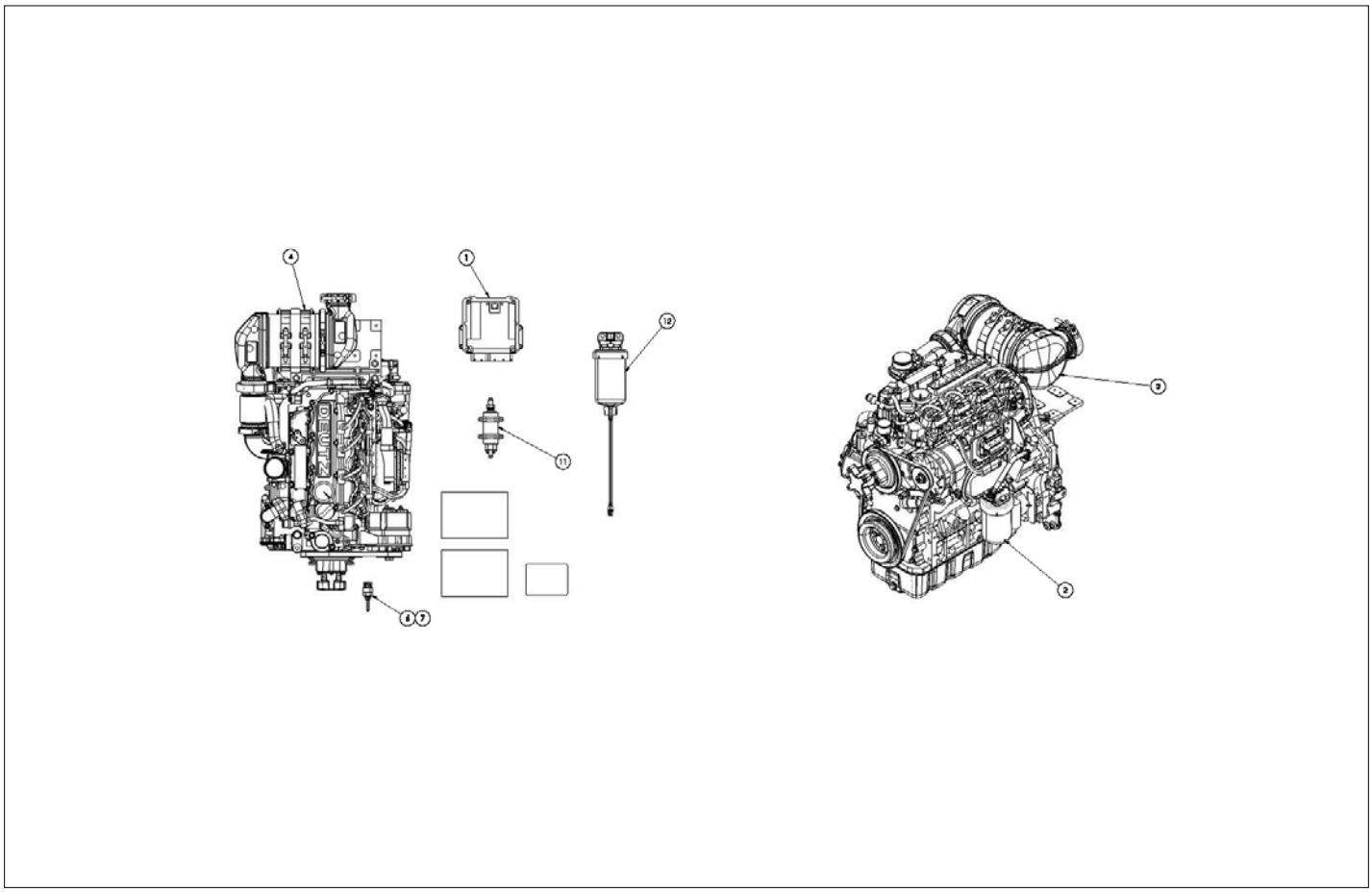
アイテム	部品番号	名前	数量	UOM
24	1433207	ELBOW, RADIATOR, 2" ID	1	EA
25	5018899	HOSE, BLEED LINE	1	EA
26	604716	CLP WORM DRV .25-.69 SAE#5	2	EA
27	5550020	CLP WORM DRV .75-1.75 SAE#20	2	EA
28	5550037	CLP WORM DRV 1.00-2.00 SAE#24	4	EA
29	5554380	CLP WORM DRV .81-1.5 SAE#16	1	EA
30	5550010	CLP WORM DRV .50-1.06 SAE#10	2	EA
31	1432054	CLAMP T-BOLT 2 IN	8	EA
32	1433898	WLDMT, AIR INTAKE TUBE, 400S/460SJ	1	EA
34	1433371	HOSE, 90DEG INTAKE	1	EA
35	5550040	CLP WORM DRV 2.00-3.00 SAE#40	4	EA
37	5089688	MOUNTING BAND, DONALDSON	2	EA
38	1433929	ELBOW, RADIATOR, 1.75INCH ID	1	EA
39	1433928	ELBOW, RADIATOR, 1.75INCH ID	1	EA
40	1432053	HOSE JOINER 1.75 IN	1	EA
41	510681-016	HHCS M8X1.25X16 G10.9 ISO 4014	4	EA
42	510681-020	HHCS M8X1.25X20 G10.9 ISO 4014 DIN 933	4	EA
43	5563921	HHCS M8 X 1.25 X 50 G10.9 DIN 931 ZP	1	EA
44	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	11	EA
45	056069-006	WSHR STEELFLATWSHE M6 DIN125A	8	EA
46	056069-012	WASHER DIN125A M12 ZP	12	EA
47	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	26	EA

アイテム	部品番号	名前	数量	UOM
48	056069-005	Washer SteelFlatWasher DIN125A	2	EA
49	5563555	NUT HEX M8X1.25 YL ZN GR10.9	1	EA
50	5563554	NUT HEX M6X1 YL ZN PLT GR10.9	2	EA
51	512630-012	HHCS M6X1X12 G10.9 ISO 4017	2	EA
52	5563492	HHCS M10 X 1.5 X 35 GR10.9 DIN 933	2	EA
53	970219	BLT HEXHD .313-18 .500 GR5-PLT	6	EA
54	5563815	WASHER FLAT .313 NARROW PLTD	6	EA
55	5563508	BOLT HEXBOLT DIN931 M12 X 1.75 X 30 10.11	12	EA
56	5563542	WSHR, FLAT M8 YL ZN GR 10.9	1	EA
57	056064-008	NUT HEX M8-1.25 GR10.9 SELF LOCKING DIN 985	8	EA
58	056064-010	Nut NylockNut DIN985 M10 10.0	16	EA
59	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
60	056066-005	Nut NylockNut DIN985 M5 8.0 Zi	2	EA
61	10424-030	SCREW M8-1.25 SHC X 30MM	7	EA
62	5563898	HHCS M10 X 35 G10.9 DIN 931	4	EA
63	058509-075	HHCS M10 X 1.50 X .75 GR 10.9 DIN 933	4	EA
64	056060-030	BOLT HEXBOLT DIN931 M10 X 30MM 8.8 ZP	8	EA
65	058509-055	HHCS M10X1.50X55 GR10.9 DIN933	2	EA
66	5563764	BHCS M5X0.8X25MM ZP CL 10.9	2	EA
67	056067-506	Nut, HexJamNut DIN936 M6 1.0 Z	3	EA
68	3220344	CLIP-HARNESS .04-.25 THK	3	EA

アイテム	部品番号	名前	数量	UOM
69	13253-000	POWER BUSS, FUSE HOLDER	1	EA
70	5028048	ADAPTER, REDUCER/EXPANDER M16X	1	EA
71	5033101	FTG, 90 DEG ELBOW 1/2 BEADED	1	EA
72	1433932	FUEL INJECTOR HOSE 3/8INCH ID PUMP TO MAIN FILTER, 400S/460SJ	1	EA
73	1433934	HOSE ASSY PRE FILTER LINE 400S/460SJ	1	EA
74	1433931	HOSE ASSY FUEL RETURN LINE 400S/460SJ	1	EA
75	1433933	HOSE ASSY TANK TO PRE FILTER 400S/460SJ	1	EA
76	1433752	SPACER, ECU TO TURRET, 400/460	1	EA
77	1433784	BRACKET, WEATHER-RESISTANT, ECU, 400/460	1	EA
78	1433901	WLDMT SEAL AND TUBE MOUNT 400S 460SJ	1	EA
79	1433853	SEAL, RECIRC TURRET SIDE, 400/460	1	EA
80	1433982	WLDMT SEAL MNT DOOR SIDE 400S/460SJ	1	EA
81	1433852	SEAL, RECIRC DOOR SIDE 400/460	1	EA
82	1433863	PLT, RECIRC SEAL COVER 400/460	1	EA
84	512630-020	HHCS M6 X X 20 G10.9 DIN 933	10	EA
85	508247-006	WASHER OVERSIZED M6 X 18MM DIN9021 ZP	14	EA
86	058493-016	BOLT HEXSCREW DIN933 M10 X 16MM 8.8 ZINCPLATED	2	EA
87	27121-000	ISOLATER RETAINER PLATE	4	EA
88	1433873	ELBOW, 2.5" ID, 90 ° , 4X6" LEGS	1	EA
89	5093021	CLP CUSH .625 VINYL COATED	1	EA
90	9906066	MOUNT, WASHER SNUBBING	2	EA

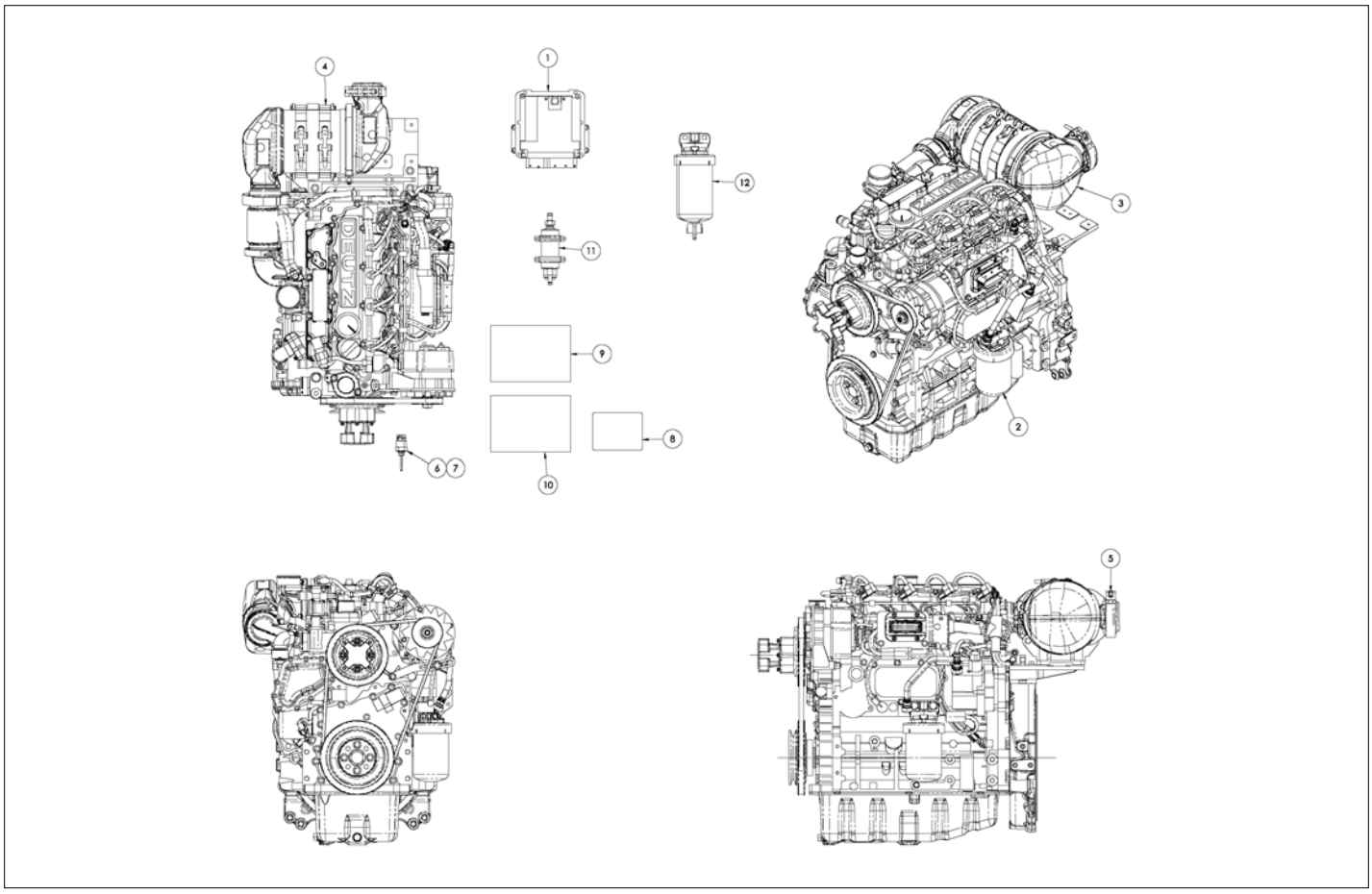
アイテム	部品番号	名前	数量	UOM
91	5093030	CLP CUSH 2.50 VINYL COATED	2	EA
92	512630-030	HHCS M6 X 1 30 G10.9 DIN933	5	EA
93	508247-008	Washer, pennywasher, DIN9021, M8	2	EA
94	1433926	HOSE 0.88 ID 90 ° ELBOW, 3.5INCH X 5.5INCH LEGS, EGR 400S/460SJ	1	EA
95	1433925	HOSE 0.88 ID, U-SHAPE 4INCH LEGS, EGR 400S/460SJ	1	EA
96	1433927	JOINER, HOSE .875INCH	1	EA
97	508247-010	Washer,PennyWasher, DIN9021,M1	4	EA

REPAIR PARTS



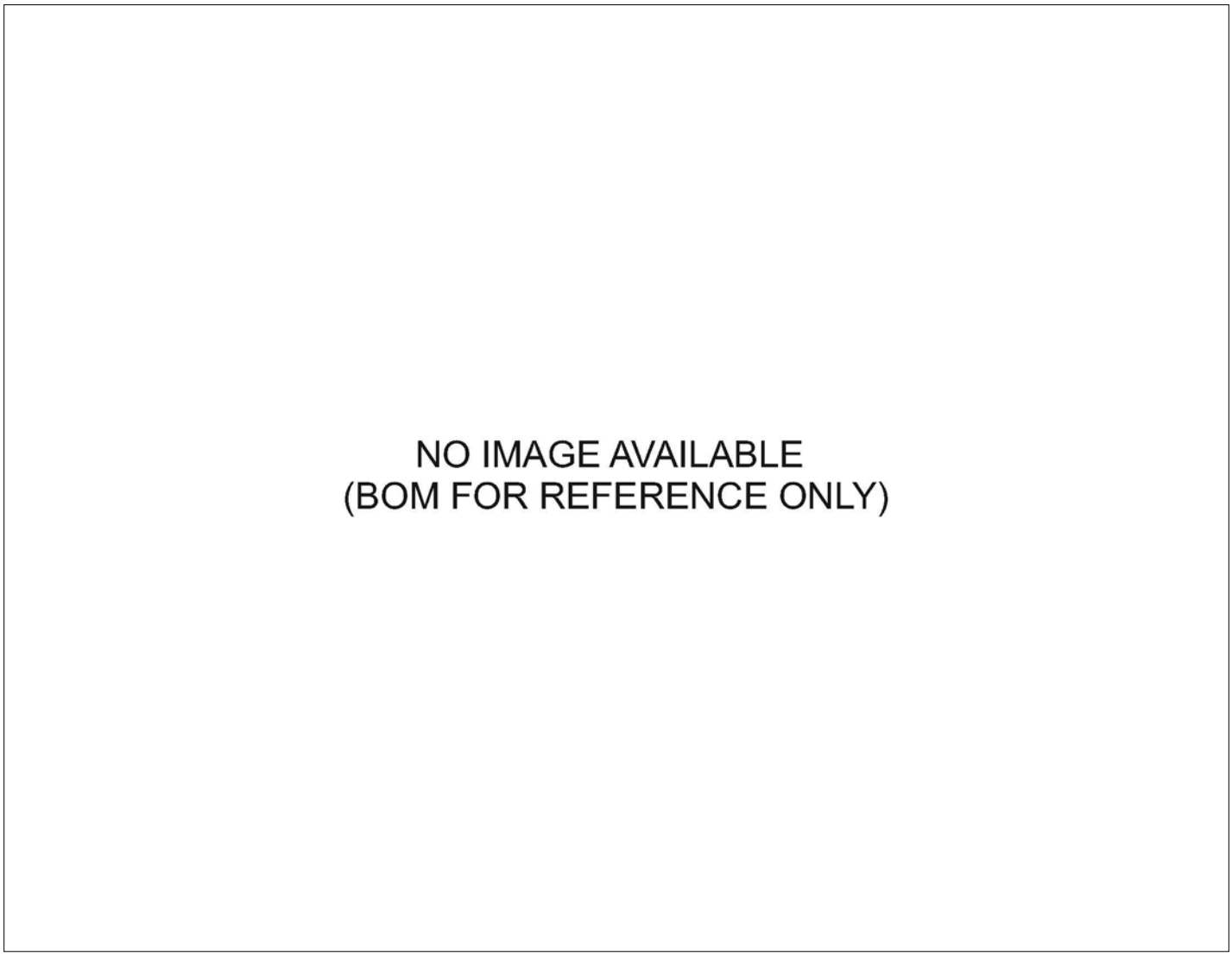
アイテム	部品番号	名前	数量	UOM
-	7624820A	ENGINE DEUTZ D2.9 L4 NON TURBO APRIL 2018 AND AFTER		EA
1	7631025	ECU, DEUTZ TD 2.9L	1	EA
2	7631195	FUEL FILTER DEUTZ 2.9L	1	EA
3	7631186	DOC, DEUTZ SHORT CLOCKABLE	1	EA
4	7631187	HOLDER DOC	1	EA
6	7631188	SENSOR, WATER LEVEL	1	EA
7	7631290	SEALING RING LEVEL SENSOR	1	EA
11	7631191	ELECTRIC FUEL PUMP 12V	1	EA
12	7631190	DEUTZ 2.9L PREFILTER-WATER SEP	1	EA
13	7631260	ALTERNATOR	1	EA
14	7631291	MAINTENANCE DECAL, DEUTZ (NOT SHOWN)	1	EA

REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
*	7624820 B	ENGINE DEUTZ D2.9 L4 NON TURBO MARCH 2019 AND AFTER		EA
1	7631025	ECU, DEUTZ TD 2.9L	1	EA
2	7631195	FUEL FILTER DEUTZ 2.9L	1	EA
3	7631186	DOC, DEUTZ SHORT CLOCKABLE	1	EA
4	7631187	HOLDER DOC	1	EA
5	5059734	CLAMP V-BAND ,AR,ON	1	EA
6	7631188	SENSOR, WATER LEVEL	1	EA
7	7631290	SEALING RING LEVEL SENSOR	1	EA
8	7030234	DECAL DEUTZ ENGINE	1	EA
9	7631103	PRIMARY ELEMENT FOR 7624808	1	EA
10	7631204	MANUAL SPARE PARTS DEUTZ 2.9L	1	EA
11	7631191	ELECTRIC FUEL PUMP 12V	1	EA
12	7631190	DEUTZ 2.9L PREFILTER-WATER SEP	1	EA
13	7631260	ALTERNATOR	1	EA
14	7631291	MAINTENANCE DECAL, DEUTZ (NOT SHOWN)	1	EA

REPAIR PARTS



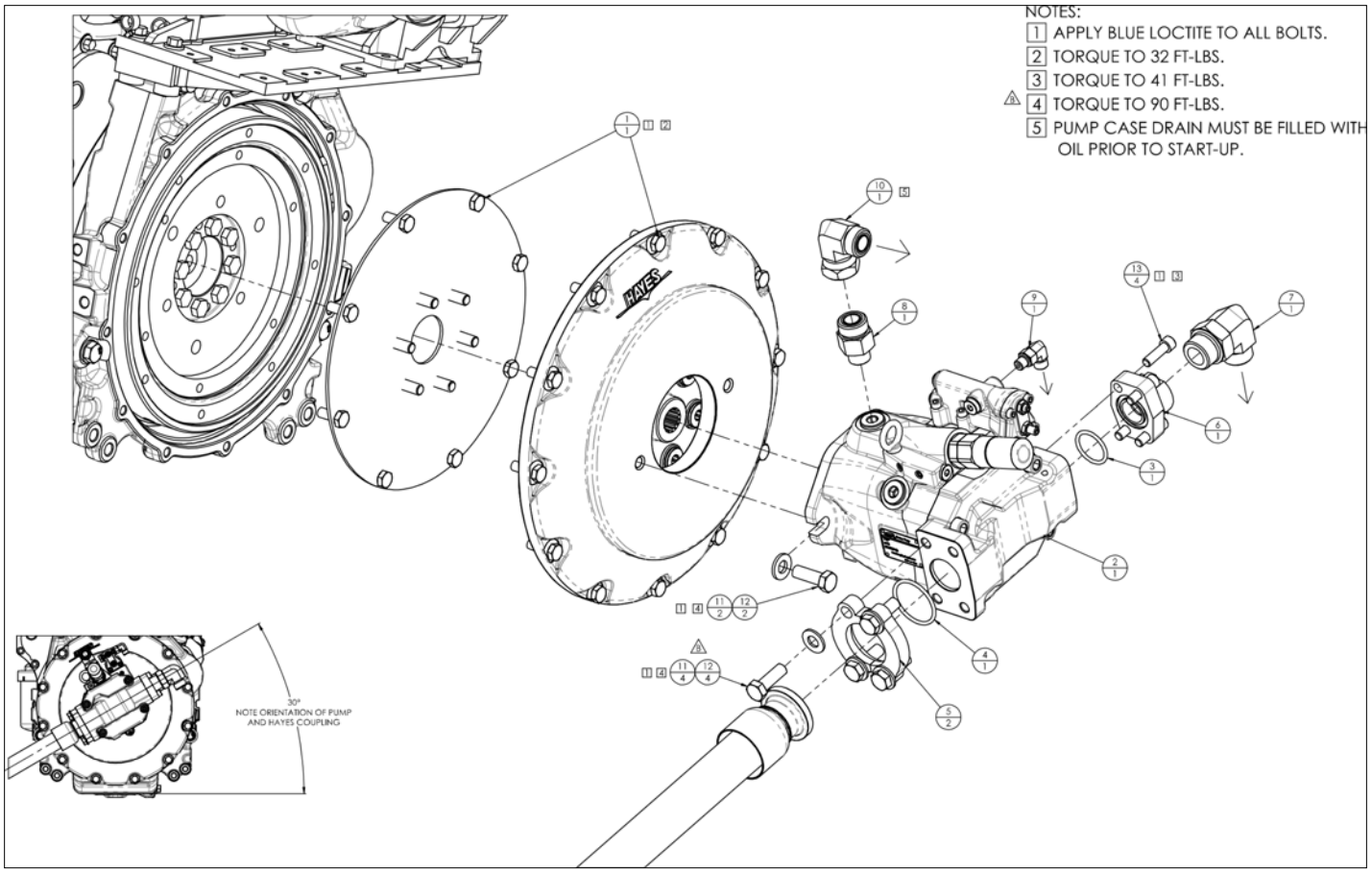
アイテム	部品番号	名前	数量	UOM
-	7624820	ENGINE DEUTZ D2.9 L4 81414737		EA
1	7631380	ALTERNATOR	1	EA
2	7631382	FANBELT	1	EA
3	7631383	HOSE CLAMP	1	EA
4	7631384	HOSE WATER	1	EA
5	7631385	STARTER ASSY	1	EA
6	7631386	STOP SOLENOID	1	EA
7	7631388	TURBO	1	EA
8	7631370	ALTERNATOR	1	EA
9	7631371	DIPSTICK	1	EA
10	7631372	EXHAUST MANIFOLD	1	EA
11	7631373	FUEL FILTER ASSY	1	EA
12	7631374	HOSE CLAMP	1	EA
13	7631375	STARTER ASSY	1	EA
14	7631376	THERMOSTAT GASKET	1	EA
15	7631377	WATER PUMP	1	EA
16	7631378	TURBO	1	EA
17	7631379	THERMOSTAT HOUSING	1	EA

REPAIR PARTS



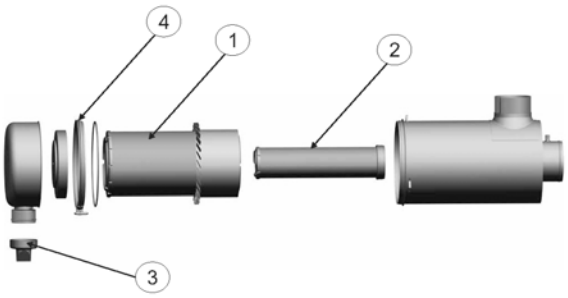
アイテム	部品番号	名前	数量	UOM
*	7249580 B	KIT (ONLY) HAYES COUPLER		EA
1	056060-030	BOLT HEXBOLT DIN931 M10 X 30MM 8.8 ZP	12	EA
2	510587-025	BLT HEXSETSCREW DIN961 M10 X 1.25X	8	EA

REPAIR PARTS



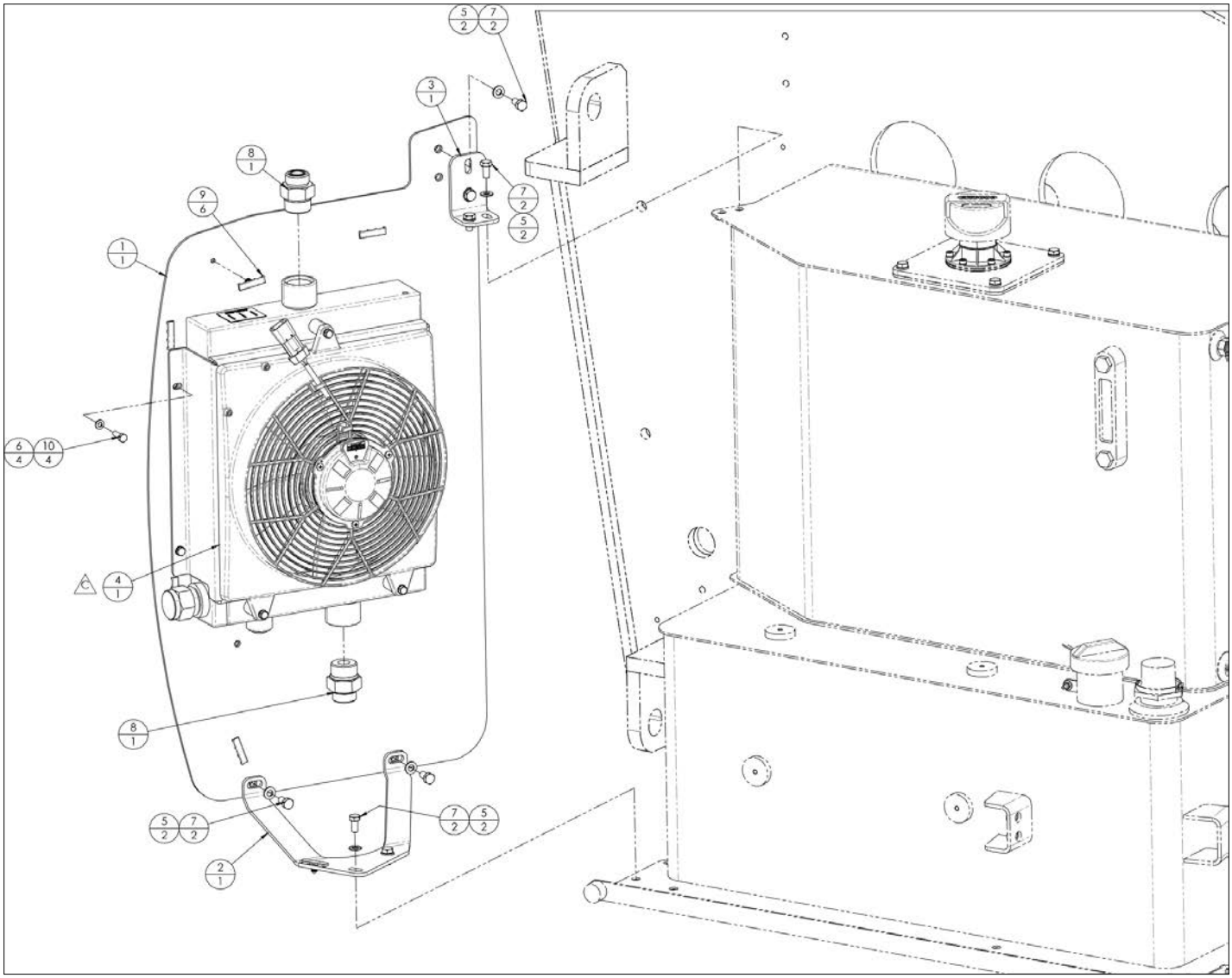
アイテム	部品番号	名前	数量	UOM
-	1433758 B	PUMP HENGLI 45CC 460SJ INSTALLATION		EA
1	7249580	KIT, HAYES PUMP COUPLER	1	EA
2	6029704	PUMP HP5V45	1	EA
3	7119925	O-RING -219 NBR 90	1	EA
4	7119926	O-RING, -225 NBR 90	1	EA
5	511604-000	SPLIT FLANGE 1.50	2	EA
6	511605-000	SAE PORT BLOCK ADAPTER 16ORB-16	1	EA
7	104762-000	FTG 12MORFF X 16MORB 90 °	1	EA
8	511585-000	GTG STR 10 MORB X 12 MORFS	1	EA
9	100434-002	FITTING 4MORFF X 4MORB 90 °	1	EA
10	5033067	ELBOW 90 ° SWIVEL 12 MORFS/FORFS	1	EA
11	5560168	WSHR FLAT HARD .500 SP	6	EA
12	5563590	HHCS .500-13 UNC STL GR8 1.50 LG ZP	6	EA
13	5563904	SHCS .375-16UNC GR8 1.25LG PLT	4	EA

REPAIR PARTS



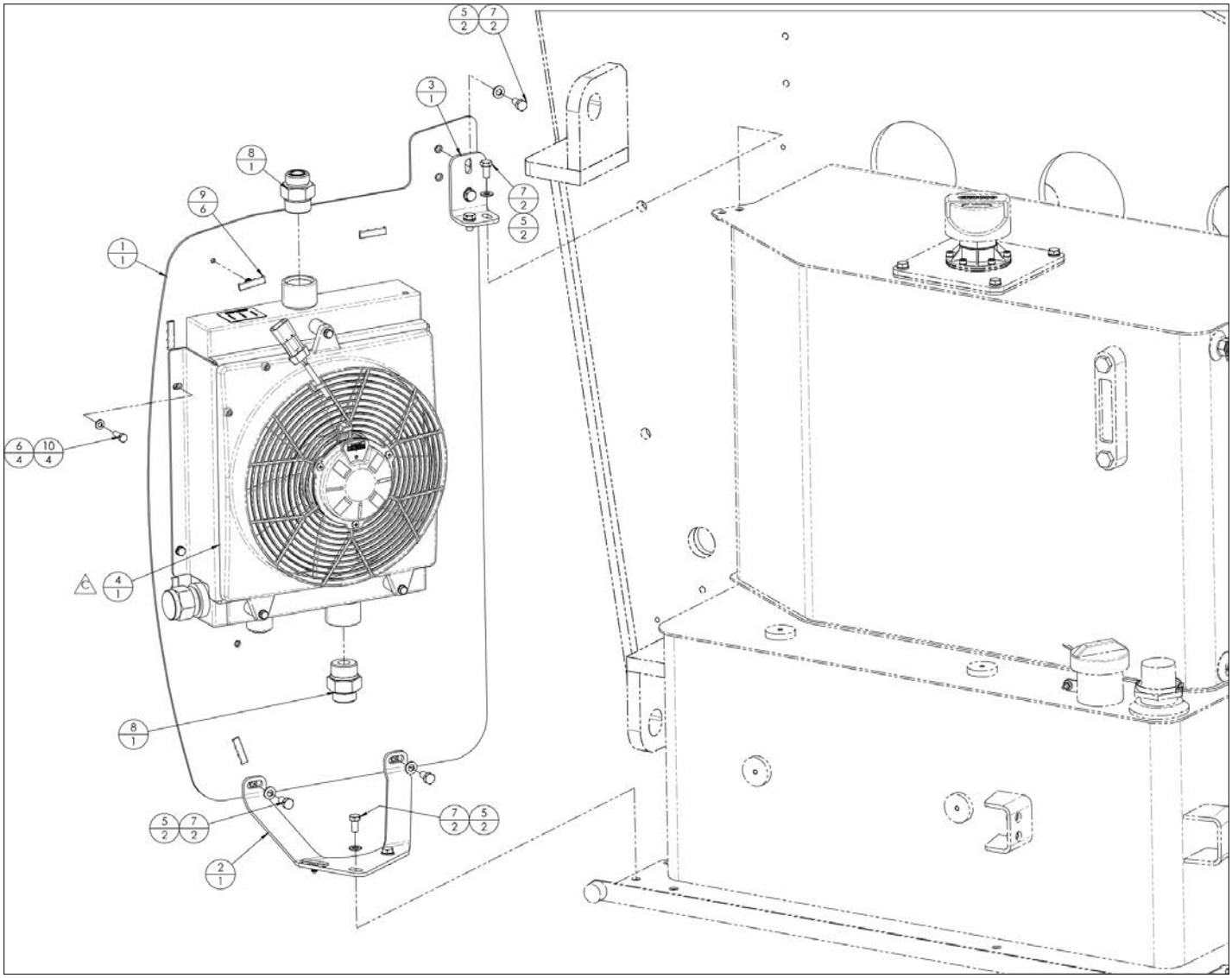
アイテム	部品番号	名前	数量	UOM
-	5089689	AIR CLEANER DEUTZ D2.9 400S/460SJ		EA
1	5089690	PRIMARY FILTER	1	EA
2	5089691	SAFETY FILTER	1	EA
3	5089692	VACUATOR, VALVE	1	EA
4	8040136	CLAMP	1	EA

REPAIR PARTS



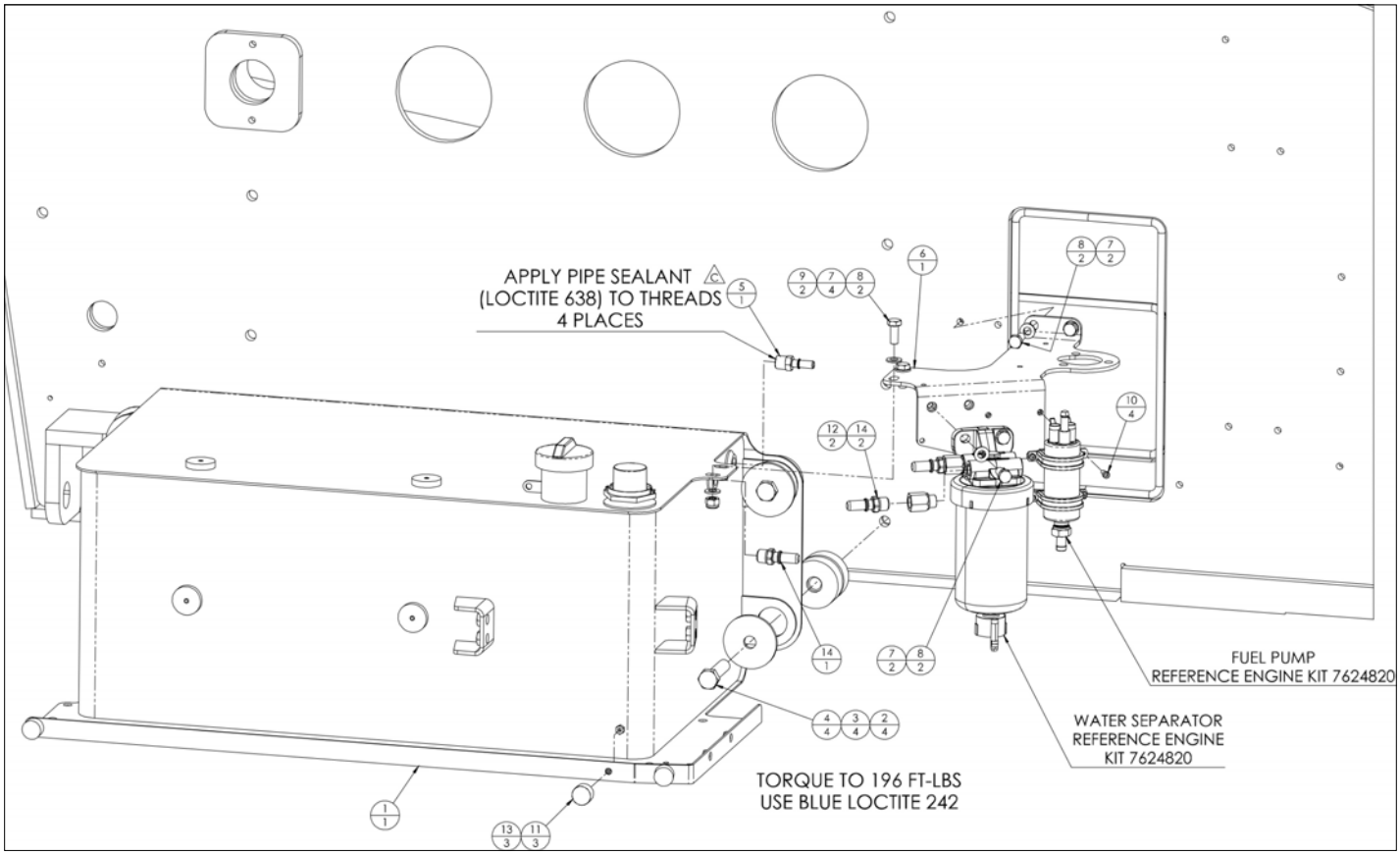
アイテム	部品番号	名前	数量	UOM
-	1433257 B	HYDRALULC COOLER INSTALL 400S/460SJ JANUARY 2020 AND BEFPRE		EA
1	1433258	HYD SHROUD WELDMENT-400S/460SJ	1	EA
2	1433261	BRACKET-LOWER, HYD COOLER	1	EA
3	1433260	ANGLE-HYD COOLER	1	EA
4	6050012	HYD OIL COOLER AKG	1	EA
5	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	8	EA
6	056069-006	WSHR STEELFLATWSHE M6 DIN125A	4	EA
7	510681-016	HHCS M8X1.25X16 G10.9 ISO 4014	8	EA
8	100432-029	FTG, STR, 12MORFF X 16MORB	2	EA
9	3220344	CLIP-HARNESS .04-.25 THK	6	EA
10	512630-020	HHCS M6 X X 20 G10.9 DIN 933	4	EA

REPAIR PARTS



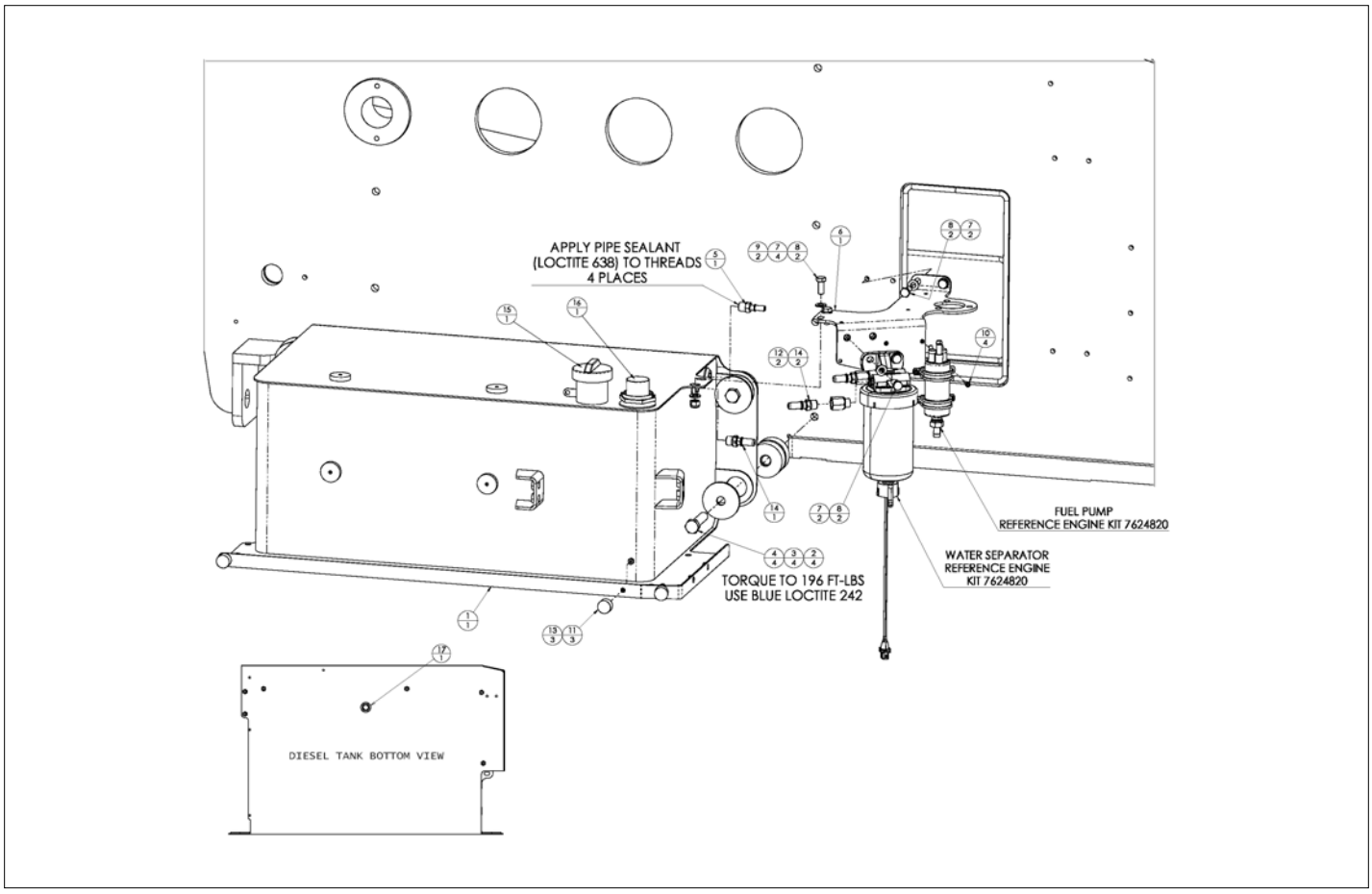
アイテム	部品番号	名前	数量	UOM
-	1433257 C	HYDRALULC COOLER INSTALL 400S/460SJ FEBURARY 2020 AND AFTER		EA
1	1433258	HYD SHROUD WELDMENT-400S/460SJ	1	EA
2	1433261	BRACKET-LOWER, HYD COOLER	1	EA
3	1433260	ANGLE-HYD COOLER	1	EA
4	6050012-001	HYD COOLER IEA	1	EA
5	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	8	EA
6	056069-006	WSHR STEELFLATWSHE M6 DIN125A	4	EA
7	510681-016	HHCS M8X1.25X16 G10.9 ISO 4014	8	EA
8	100432-029	FTG, STR, 12MORFF X 16MORB	2	EA
9	3220344	CLIP-HARNESS .04-.25 THK	6	EA
10	512630-020	HHCS M6 X X 20 G10.9 DIN 933	4	EA

REPAIR PARTS



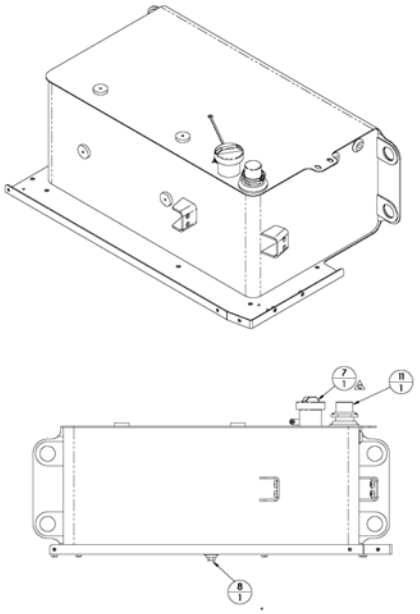
アイテム	部品番号	名前	数量	UOM
*	1433247 C	DIESEL TANK INSTALLATION 400S 460SJ		EA
1	1433248	DIESEL FUEL TANK 400S/460SJ	1	EA
2	1433252	ISOLATOR 2.5"OD X .64"ID X .25	4	EA
3	1433255	WASHER-ISOLATOR 2.81 X .675	4	EA
4	058480-071	HHCS M16 X 2.0 X 70 G10.9 DIN 931	4	EA
5	5028502	CONTR,3/8X3/8,STRT SAFE LOCK	1	EA
6	1433388	BRACKET-FILTER, PUMP	1	EA
7	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	8	EA
8	058493-025	HHCS M10 X 25MM GR10.9 DIN933	6	EA
9	056064-010	Nut NylockNut DIN985 M10 10.0	2	EA
10	5563951	SCHS M5 X 0.8 X 14 DIN 912 SS	4	EA
11	5563642	BUMPER-RUBBER M6X1.0	3	EA
12	5028048	ADAPTER, REDUCER/EXPANDER M16X	2	EA
13	056067-006	NUT HEX NUT M6 DIN934 ZINC PLATED	3	EA
14	5028050	FUEL FTG, 3/8NPT X 1/2 SAFELOC	3	EA

REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
-	1433247B	DIESEL TANK INSTALLATION 400S 460 SJ		EA
1	1433248	DIESEL FUEL TANK 400S/460SJ	1	EA
2	1433252	ISOLATOR 2.5"OD X .64"ID X .25	4	EA
3	1433255	WASHER-ISOLATOR 2.81 X .675	4	EA
4	058480-071	HHCS M16 X 2.0 X 70 G10.9 DIN 931	4	EA
5	5028035	3/8 straight safe lock x 1/4	1	EA
6	1433388	BRACKET-FILTER, PUMP	1	EA
7	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	8	EA
8	058493-025	HHCS M10 X 25MM GR10.9 DIN933	6	EA
9	056064-010	Nut NylockNut DIN985 M10 10.0	2	EA
10	5563951	SCHS M5 X 0.8 X 14 DIN 912 SS	4	EA
11	5563642	BUMPER-RUBBER M6X1.0	3	EA
12	5028048	ADAPTER, REDUCER/EXPANDER M16X	2	EA
13	056067-006	NUT HEX NUT M6 DIN934 ZINC PLATED	3	EA
14	5028050	FUEL FTG, 3/8NPT X 1/2 SAFELOC	3	EA
15	0084570	Filler Cap	1	EA
16	0070483	Fuel Gauge, 375mm (14.75")	1	EA
17	7715202	PIPE PLUG, 1/4" NPT SQ. HD. GAL	1	EA

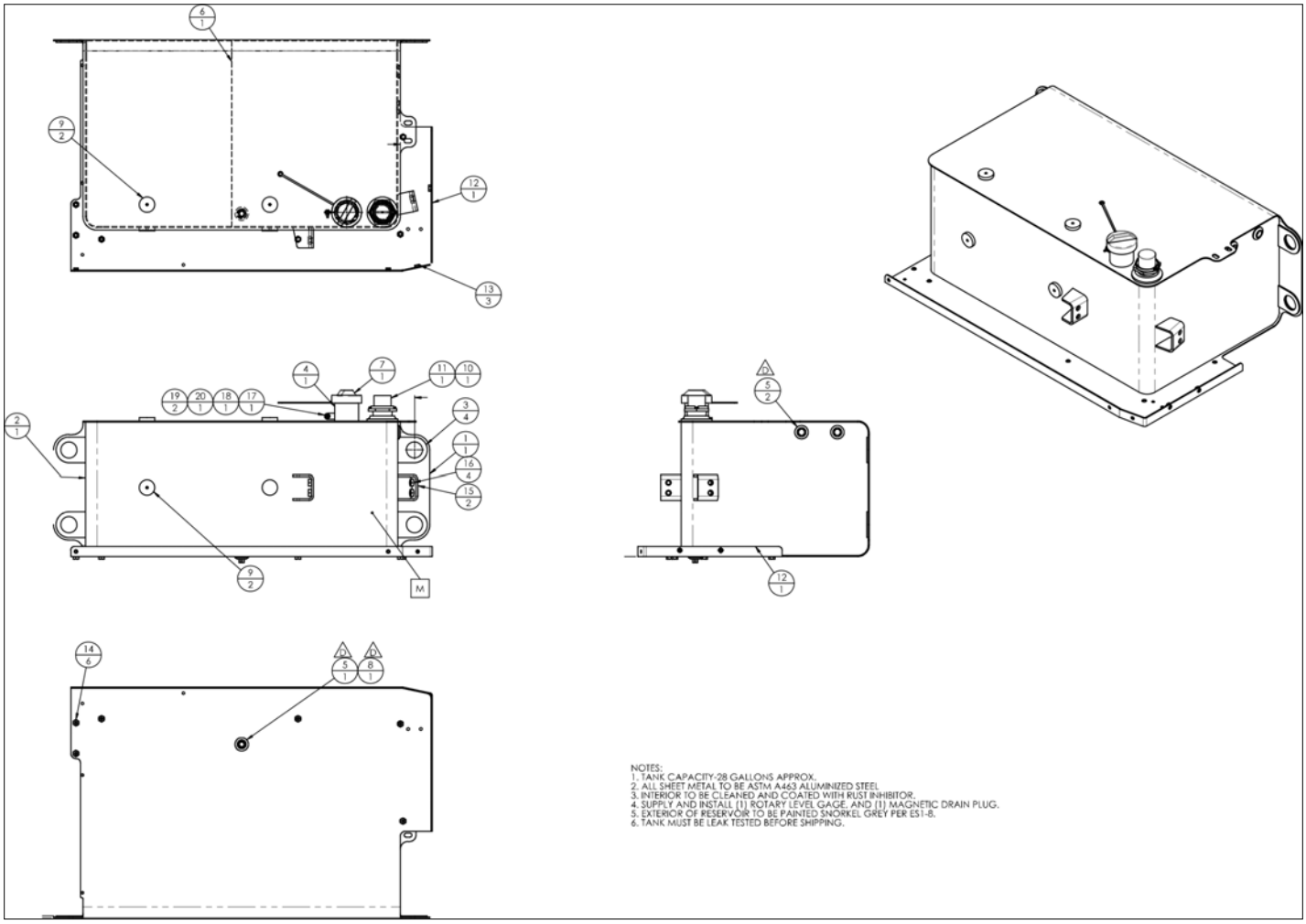
REPAIR PARTS



NOTES:
1. TANK CAPACITY-28 GALLONS APPROX.

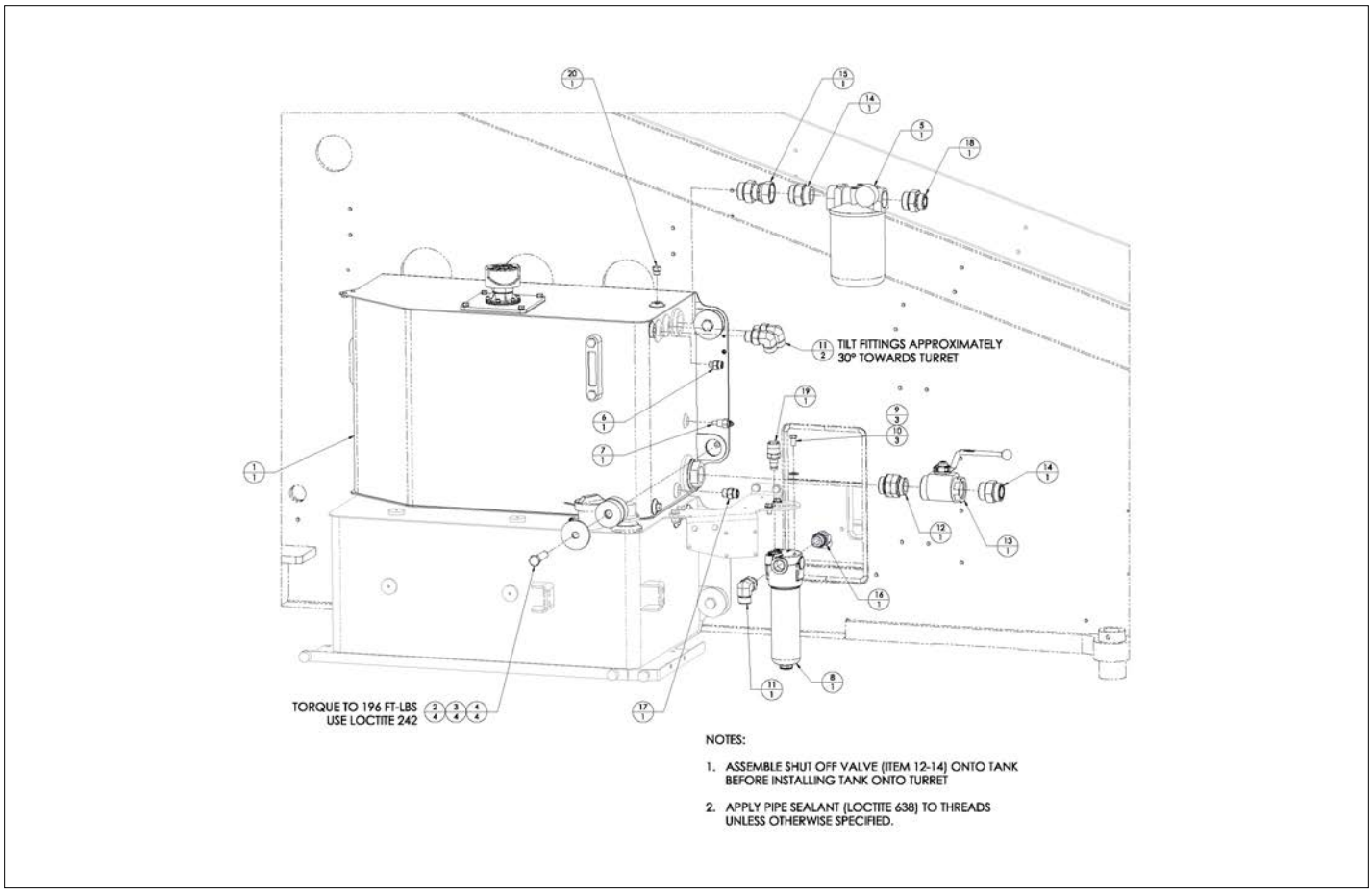
アイテム	部品番号	名前	数量	UOM
*	1433248C	DIESEL TANK 400S 460SJ REPLACEMENT PARTS		EA
7	1434080	CAP DIESEL FUEL THREADED	1	EA
8	5075208	FTG PL HEX HD-12B STL	1	EA
11	9940254	FUEL GAGE SIDE READ 12.125" LG X 1 1/2"NPT	1	EA

REPAIR PARTS



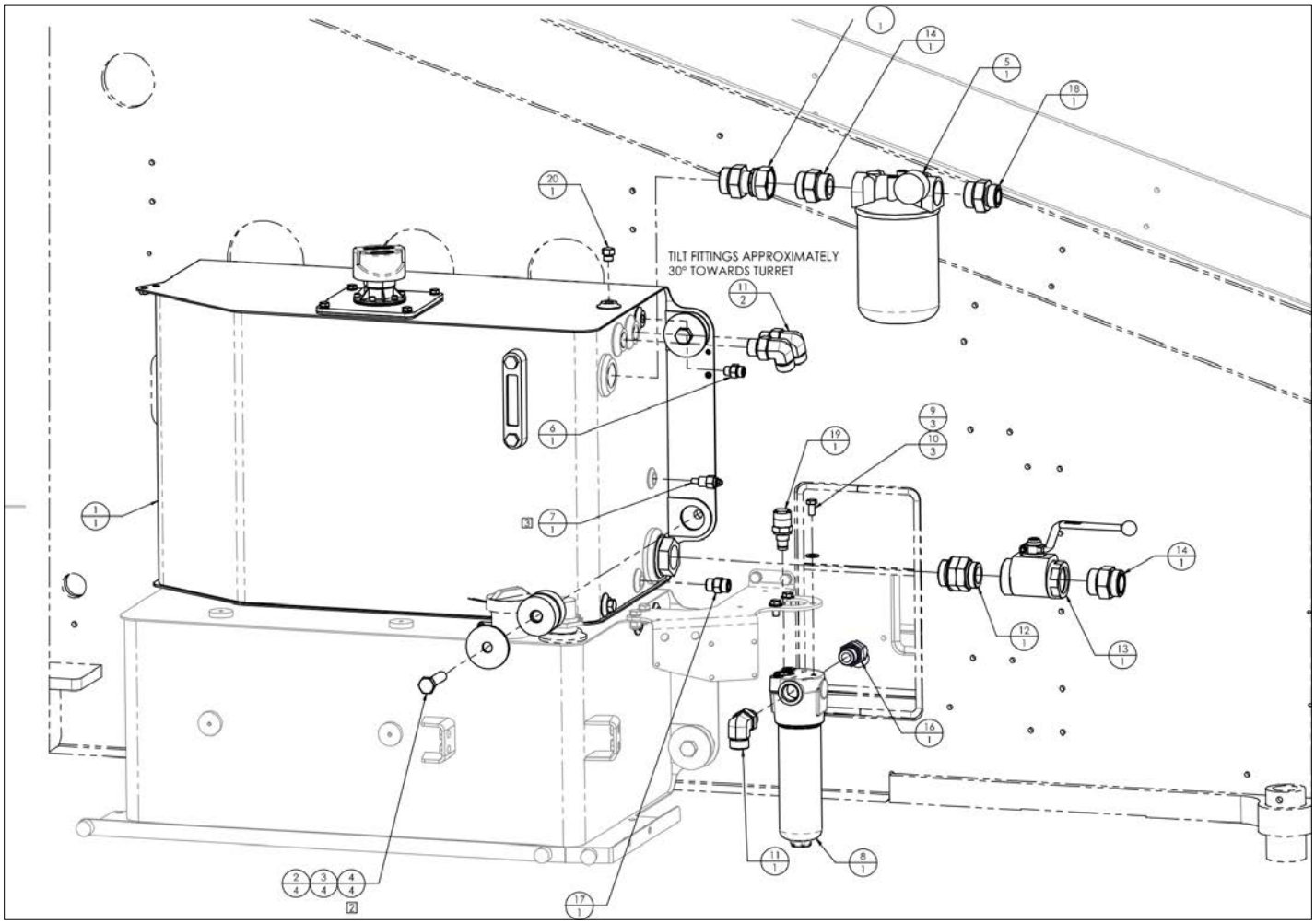
アイテム	部品番号	名前	数量	UOM
-	1433248 D	DIESEL TANK 400S 460SJ		EA
1	1433248-001	CHANNEL-DIESEL TANK #1	1	EA
2	1433248-002	CHANNEL-DIESEL TANK #2	1	EA
3	1433254-003	TAB-HYDRAULIC TANK	4	EA
4	9940242	NECK, FILL, DIESEL	1	EA
5	9940244	WELD BUNG, 3/8-18 NPTF	3	EA
6	1433248-003	BAFFLE-DIESEL TANK	1	EA
7	1434080	CAP DIESEL FUEL THREADED	1	EA
8	7714203	FTG PLUG .375 NPT SQ HD BLK	1	EA
9	1433504	MTG BOSS, CTRL BOX TO TANK	4	EA
10	9940253	WELD BUNG, 1-1/2" NPT, STEEL	1	EA
11	9940254	FUEL GAGE SIDE READ 12.125" LG X 1 1/2"NPT	1	EA
12	1433248-004	RIB-DIESEL TANK	1	EA
13	5563246	M6 X 1.0 HEX WELD NUT	3	EA
14	5563339	M8 x 1.25 Hex weld nut	8	EA
15	1433248-005	CHANNEL-DIESEL TANK	2	EA
16	5563340	M10x1.5 HEX WELD NUT	4	EA
17	9940243	TAB, TETHER, FILL NECK	1	EA
18	512459-016	BLT HEXHD M4 X 0.7 X 16MM DIN 933 8.8 ZP	1	EA
19	508247-004	Washer,PennyWasher, DIN9021,M4ZINC PLATED	2	EA
20	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	1	EA

REPAIR PARTS



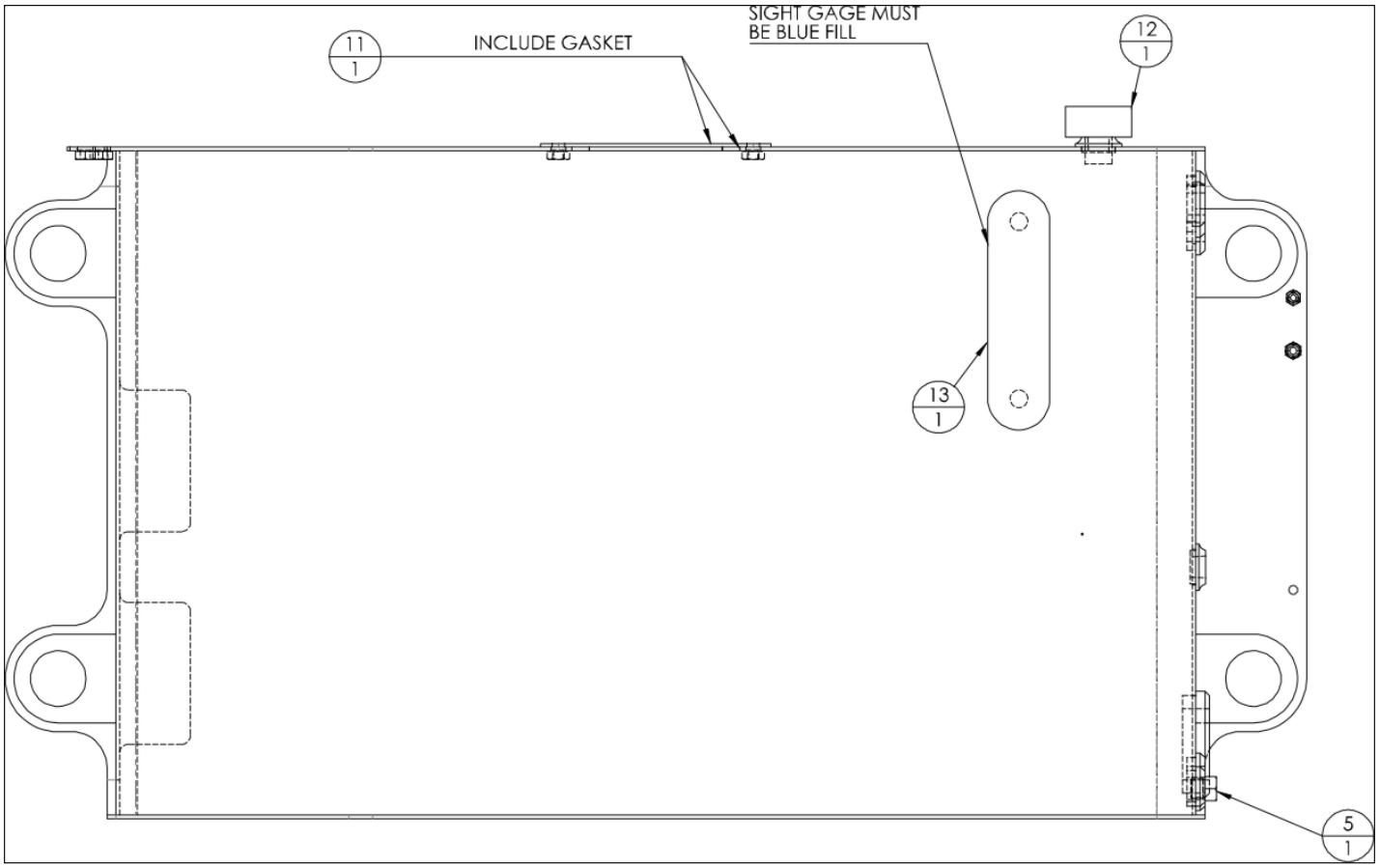
アイテム	部品番号	名前	数量	UOM
*	1433253 D	HYDRAULIC TANK INSTALLATION APRIL 2018 AND AFTER		EA
1	1433254-8	HYD TANK 400S/460SJ	1	EA
2	1433252	ISOLATOR 2.5"OD X .64"ID X .25	4	EA
3	1433255	WASHER-ISOLATOR 2.81 X .675	4	EA
4	058480-071	HHCS M16 X 2.0 X 70 G10.9 DIN 931	4	EA
5	5080044	FILTER RETURN LINE-W/GAUGE	1	EA
6	100432-009	Hyd Fitting Straight ORFS(06) - SAE(06)	1	EA
7	560395	TEMP SENSOR	1	EA
8	6019325	Pressure Filter	1	EA
9	5560222	WSHR FLAT HARD .375 SP	3	EA
10	970449	HHD BLT .375-16 X .750 GR5	3	EA
11	100434-021	Hyd Fitting - 90 Elbow ORFS(12) - SAE(12)	1	EA
12	5111686	FTG, 20MORB X 20 MORG UNION	1	EA
13	6019445	SAE -20, BALL VALVE, ALUM	1	EA
14	11700-030	FITTING STR -20MB-20MFS	2	EA
15	5028049	FTG 20 MORB X 20FORFS SWIVEL STRAIGHT	1	EA
16	511586-000	FTG, 45 ° , 12MORFF X 12MORB	1	EA
17	100432-015	FTG, STR, 8MORFF X 8MORB	1	EA
18	11700-028	FTNG STR -20MB-16MFS F5OLO	1	EA
19	6029706	INDICATOR-HYD BYPASS, 5 BAR	1	EA
20	5075205	FTG PL HEXHD-6B STL	1	EA

REPAIR PARTS



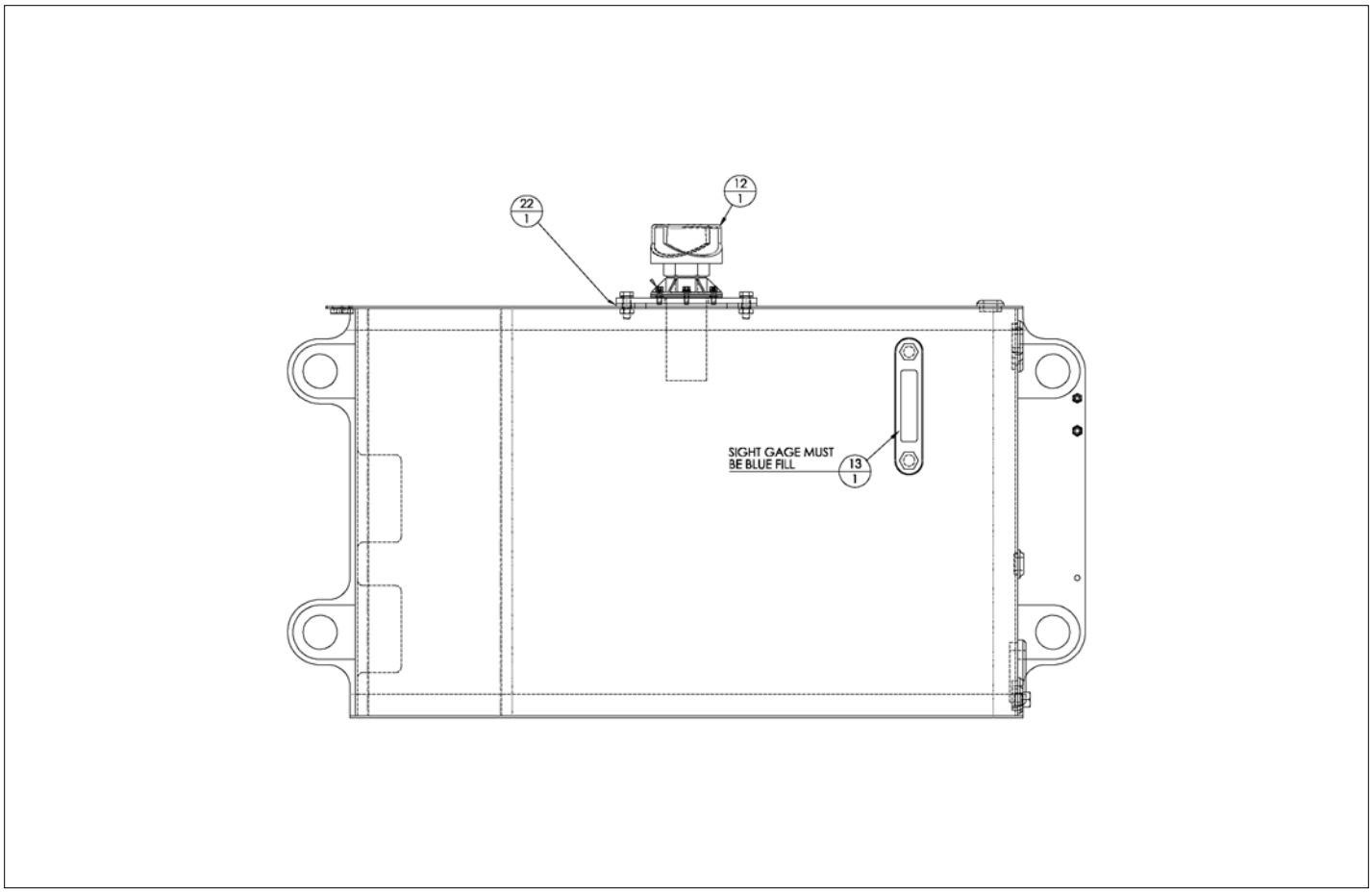
アイテム	部品番号	名前	数量	UOM
-	1433253 E	HYDRAULIC TANK INSTALLATION APRIL 2018 AND AFTER		EA
1	1433254-8	HYD TANK 400S/460SJ	1	EA
2	1433252	ISOLATOR 2.5"OD X .64"ID X .25	4	EA
3	1433255	WASHER-ISOLATOR 2.81 X .675	4	EA
4	058480-071	HHCS M16 X 2.0 X 70 G10.9 DIN 931	4	EA
5	5080044	FILTER RETURN LINE-W/GAUGE	1	EA
6	100432-009	Hyd Fitting Straight ORFS(06) - SAE(06)	1	EA
7	560395	TEMP SENSOR	1	EA
8	6019325	Pressure Filter	1	EA
9	5560222	WSHR FLAT HARD .375 SP	3	EA
10	970449	HHD BLT .375-16 X .750 GR5	3	EA
11	100434-021	Hyd Fitting - 90 Elbow ORFS(12) - SAE(12)	1	EA
12	5111686	FTG, 20MORB X 20 MORG UNION	1	EA
13	6019445	SAE -20, BALL VALVE, ALUM	1	EA
14	11700-030	FITTING STR -20MB-20MFS	2	EA
15	5028049	FTG 20 MORB X 20FORFS SWIVEL STRAIGHT	1	EA
16	511586-000	FTG, 45 ° , 12MORFF X 12MORB	1	EA
17	100432-015	FTG, STR, 8MORFF X 8MORB	1	EA
18	11700-028	FTNG STR -20MB-16MFS F5OLO	1	EA
19	6029706	INDICATOR-HYD BYPASS, 5 BAR	1	EA
20	5075205	FTG PL HEXHD-6B STL	1	EA

REPAIR PARTS



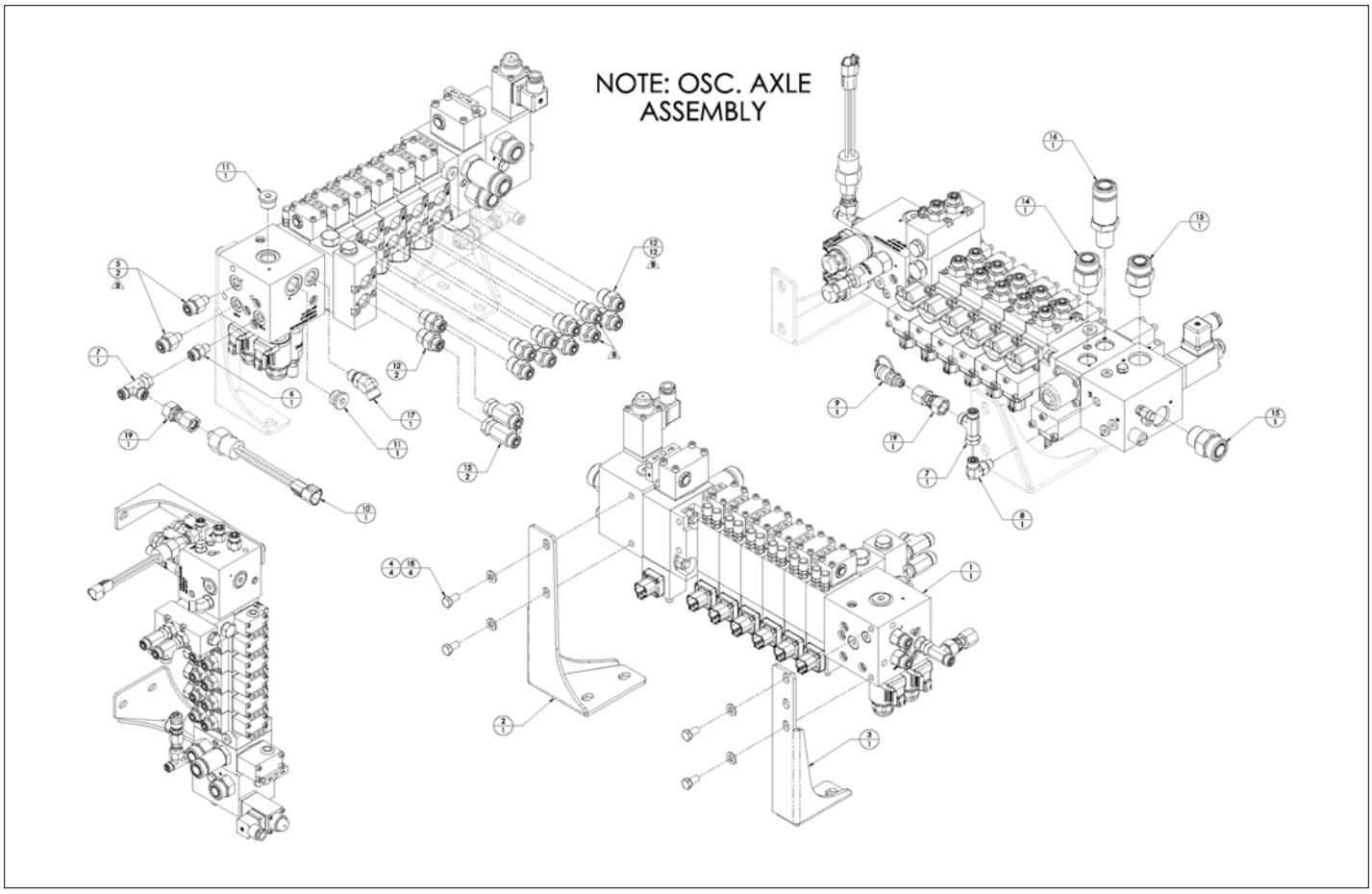
アイテム	部品番号	名前	数量	UOM
-	1433254 B	HYDRAULIC TANK 400S 460SJ MARCH 2018 AND BEFORE		EA
5	5075205	FTG PL HEXHD-6B STL	1	EA
11	1433254-9	CAP-HYDRAULIC TANK	1	EA
12	212463	BREATHER	1	EA
13	254036	SIGHT GAUGE-BLUE FILL	1	EA

REPAIR PARTS



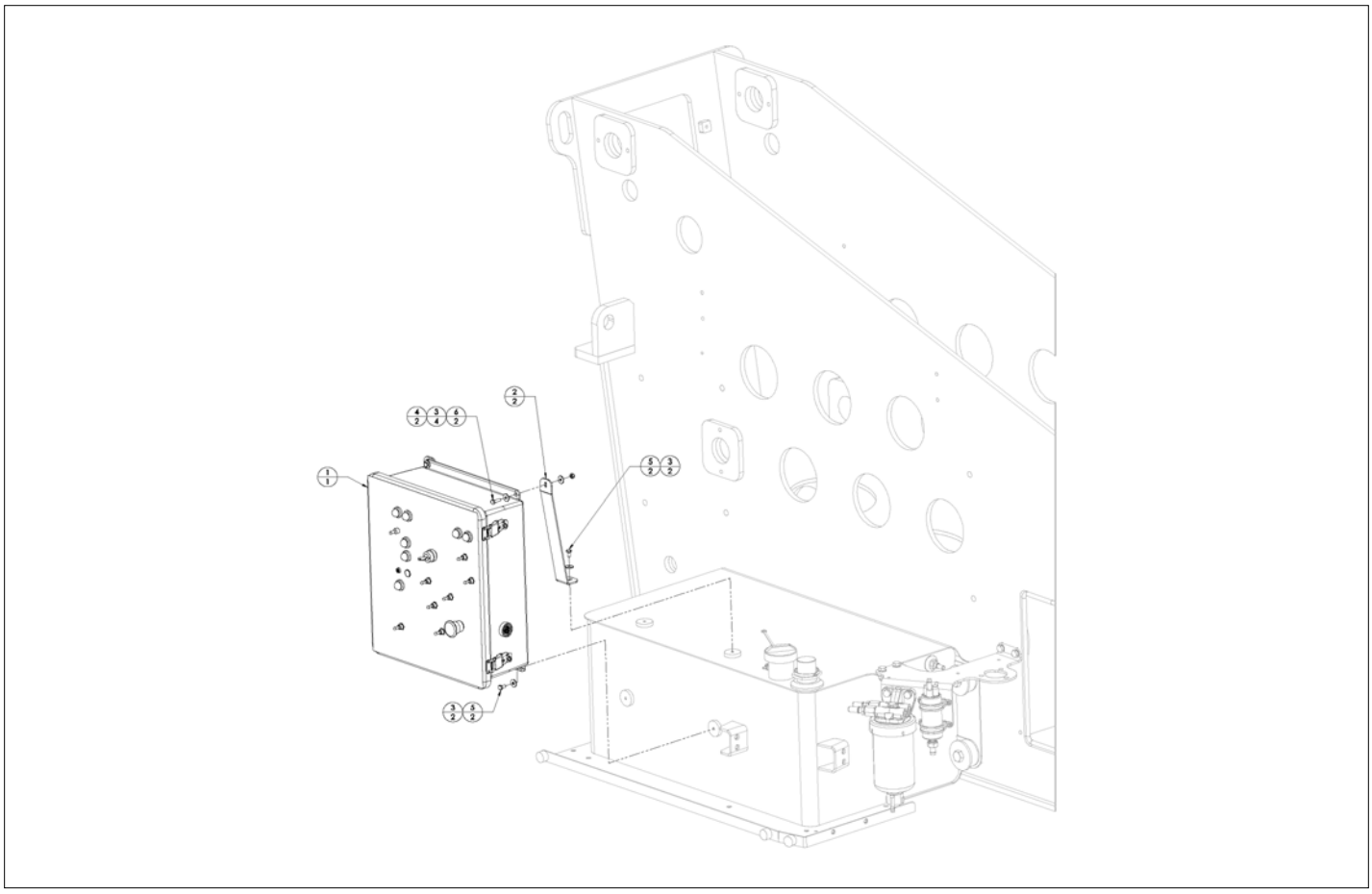
アイテム	部品番号	名前	数量	UOM
-	1433254 E	HYDRAULIC TANK 400S 460SJ APRIL 2018 AND AFTER		EA
12	0260685	FILLER CAP	1	EA
13	5210018	SIGHT LEVEL GAUGE BLUE FILL	1	EA
22	7190009	GASKET CAP ADAPTER PLATE 400S/460SJ	1	EA

REPAIR PARTS



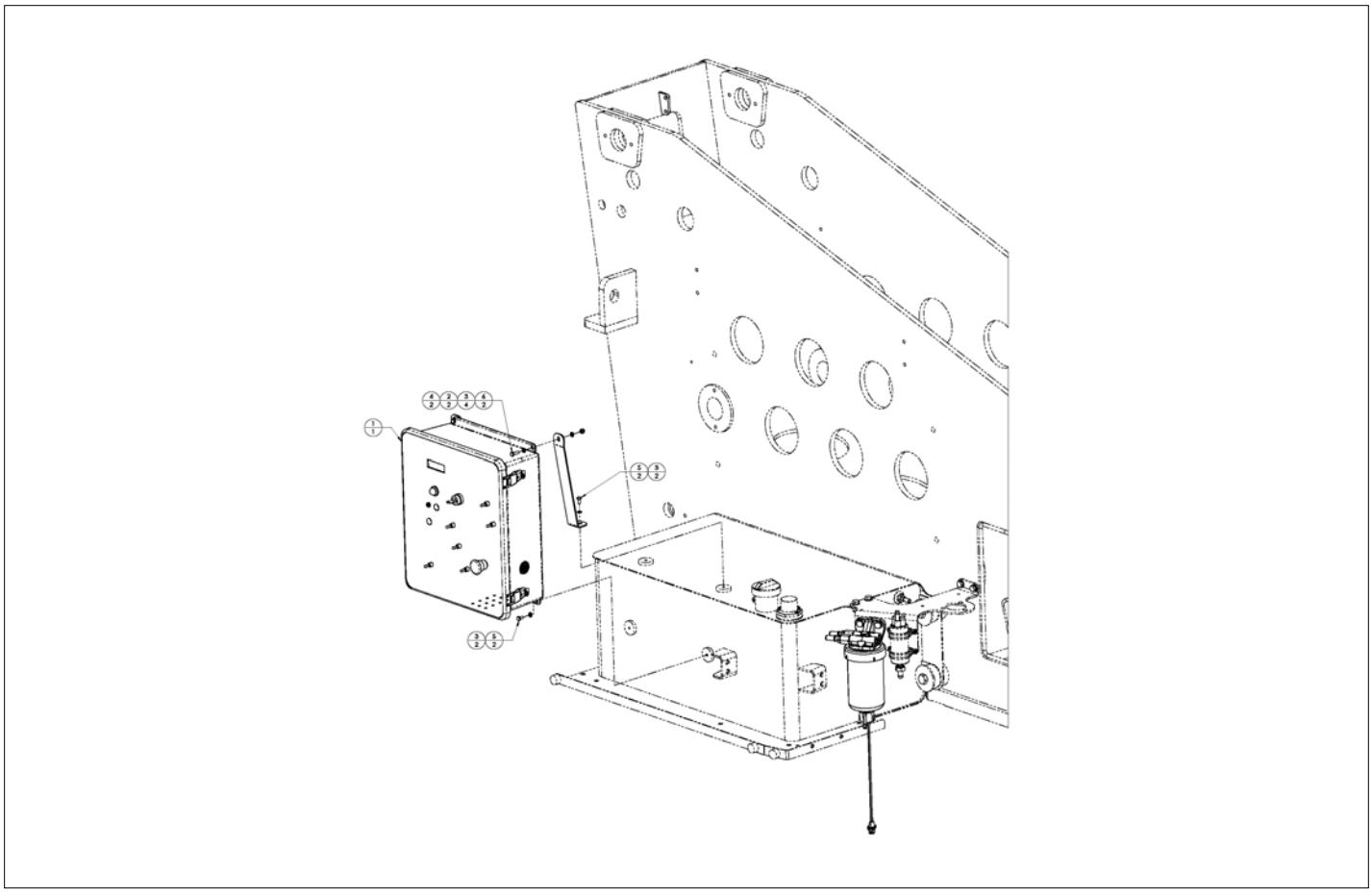
アイテム	部品番号	名前	数量	UOM
-	1433630B	MAIN MANIFOLD OSCILATING ASSEMBLY 400S 460SJ		EA
1	6019349	HYD MANIFOLD OSC AXLE	1	EA
2	1431495-8	BRKT, BOTTOM HAWE VLV MNT	1	EA
3	1431494-8	BRKT, TOP HAWE VALVE MOUNT	1	EA
4	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	4	EA
5	100432-007	Hyd Fitting - Straight ORFS(06)-SAE(04)	2	EA
6	100432-002	Hyd Fitting - Straight ORFS(04) - SAE(04)	1	EA
7	5033035	TEE RUN SWVL, 4FORRFS X 4FORFS X 4 MORFS	2	EA
8	100434-002	FITTING 4MORFF X 4MORB 90 °	1	EA
9	063965-001	PLUG-TEST PORT	1	EA
10	3014766	SWITCH PRESS 200PSI #4SAE	1	EA
11	5075306	HEX PLUG	2	EA
12	511339-000	FTG, STR, 6MORFF X 8MORB	12	EA
13	511356-000	FTG 6FORF 6MORF X 6MORF RUN TEE	2	EA
14	511585-000	GTG STR 10 MORB X 12 MORFS	1	EA
15	100432-027	Hyd Fitting - Straight ORFS(12) - SAE(12)	2	EA
16	5028034	12 ORFM X 10 ORFM FF5OLO LONG FTG	1	EA
17	100433-005	FTG, 45 ° , 6MORFF X 6MORB	1	EA
18	510681-016	HHCS M8X1.25X16 G10.9 ISO 4014	4	EA
19	511587-000	4FB X 4FW ORFF ADAPTER FITTING	2	EA

REPAIR PARTS



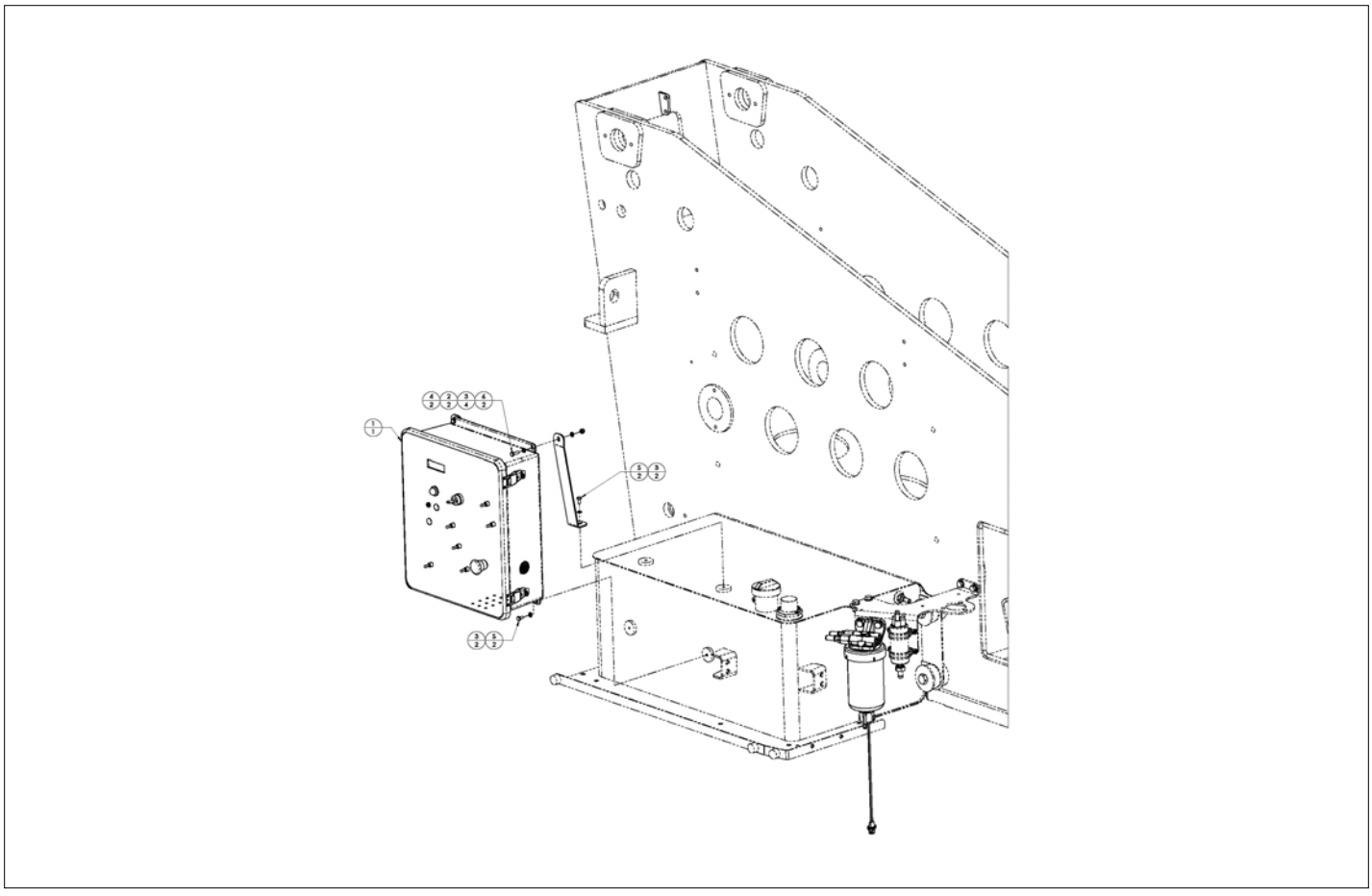
アイテム	部品番号	名前	数量	UOM
*	1434125 A	LOWER CONTROL BOX INSTALLATION 400S APRIL 2019 AND AFTER		EA
1	1434095	ASSEMBLY LOWER CTRL BOX 400/600 DEUTZ	1	EA
2	1433256	BRACKET-CONTROL BOX	2	EA
3	508247-006	WASHER OVERSIZED M6 X 18MM DIN9021 ZP	8	EA
4	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
5	512630-012	HHCS M6X1X12 G10.9 ISO 4017	4	EA
6	512630-020	HHCS M6 X X 20 G10.9 DIN 933	2	EA

REPAIR PARTS



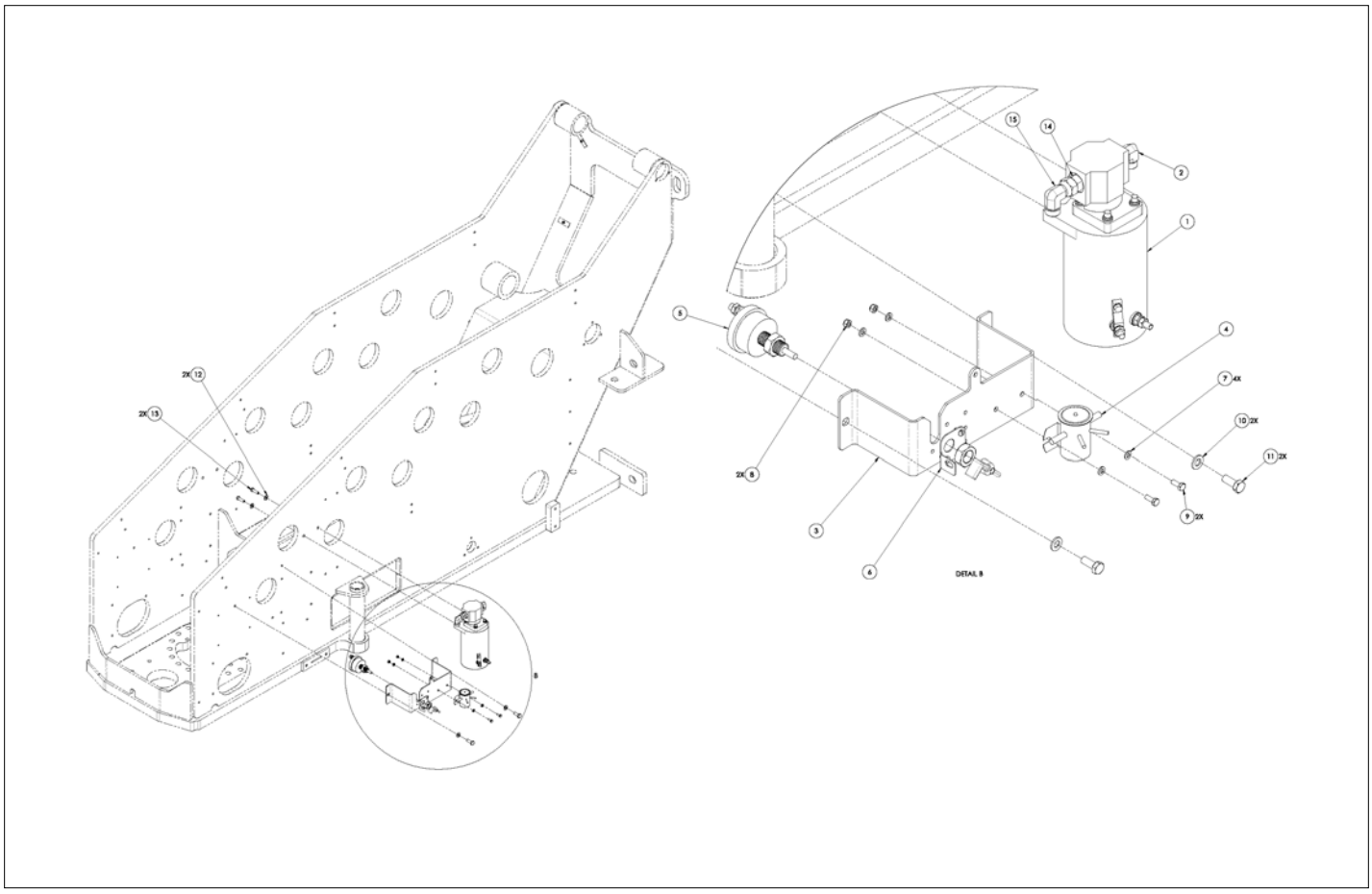
アイテム	部品番号	名前	数量	UOM
*	1433290C	LOWER CONTROL BOX INSTALLATION 400S		EA
1	1434127	ASSEMBLY LOWER CONTROL BOX 400/600 DEUTZ TIER 4 FINNAL	1	EA
2	1433256	BRACKET-CONTROL BOX	2	EA
3	508247-006	WASHER OVERSIZED M6 X 18MM DIN9021 ZP	8	EA
4	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
5	512630-012	HHCS M6X1X12 G10.9 ISO 4017	4	EA
6	512630-020	HHCS M6 X X 20 G10.9 DIN 933	2	EA

REPAIR PARTS



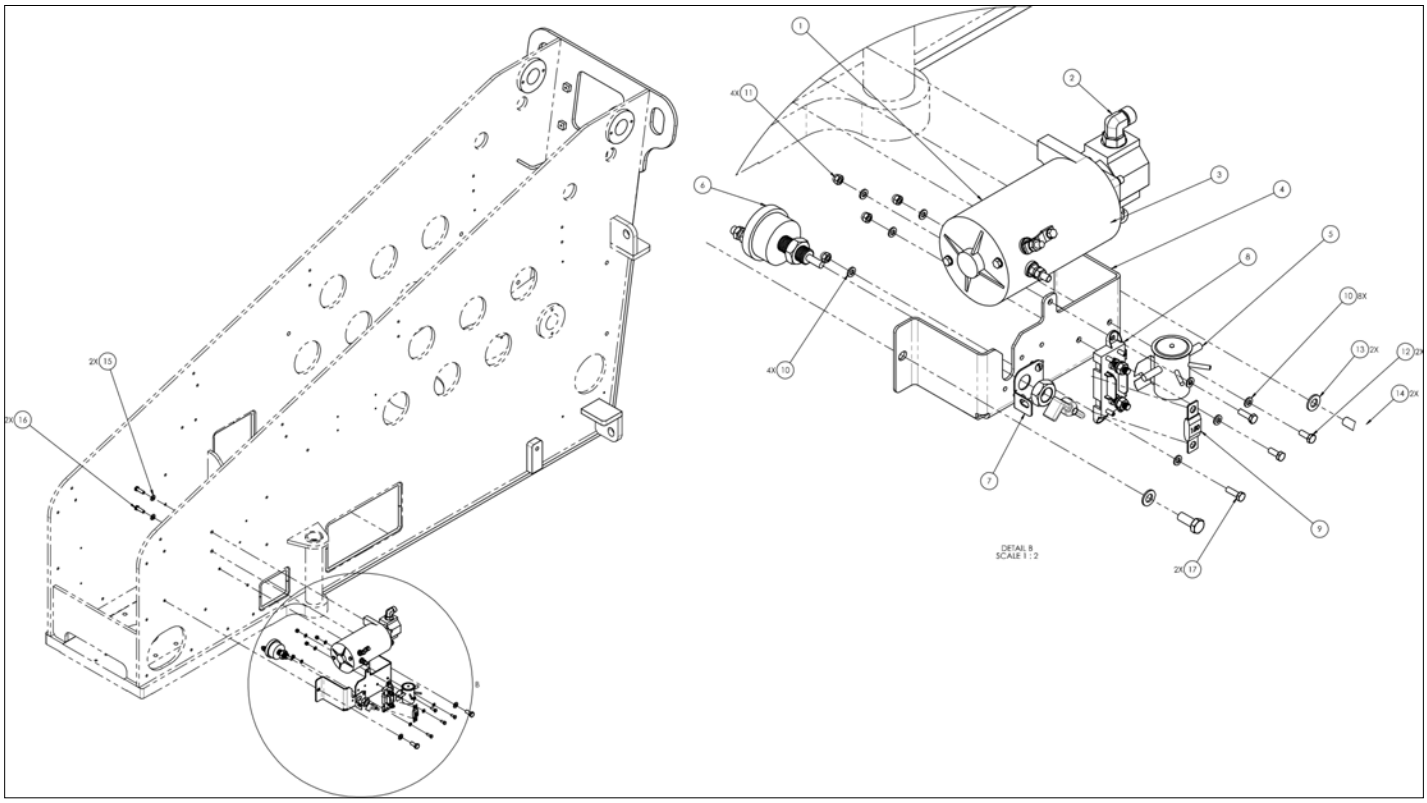
アイテム	部品番号	名前	数量	UOM
-	1433291B	LOWER CONTROL BOX INSTALL 400SJ		EA
1	1433408	BOX, LOWER CONTROL DEUTZ 400S	1	EA
2	1433256	BRACKET-CONTROL BOX	2	EA
3	508247-006	WASHER OVERSIZED M6 X 18MM DIN9021 ZP	8	EA
4	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
5	512630-012	HHCS M6X1X12 G10.9 ISO 4017	4	EA
6	512630-020	HHCS M6 X X 20 G10.9 DIN 933	2	EA

REPAIR PARTS



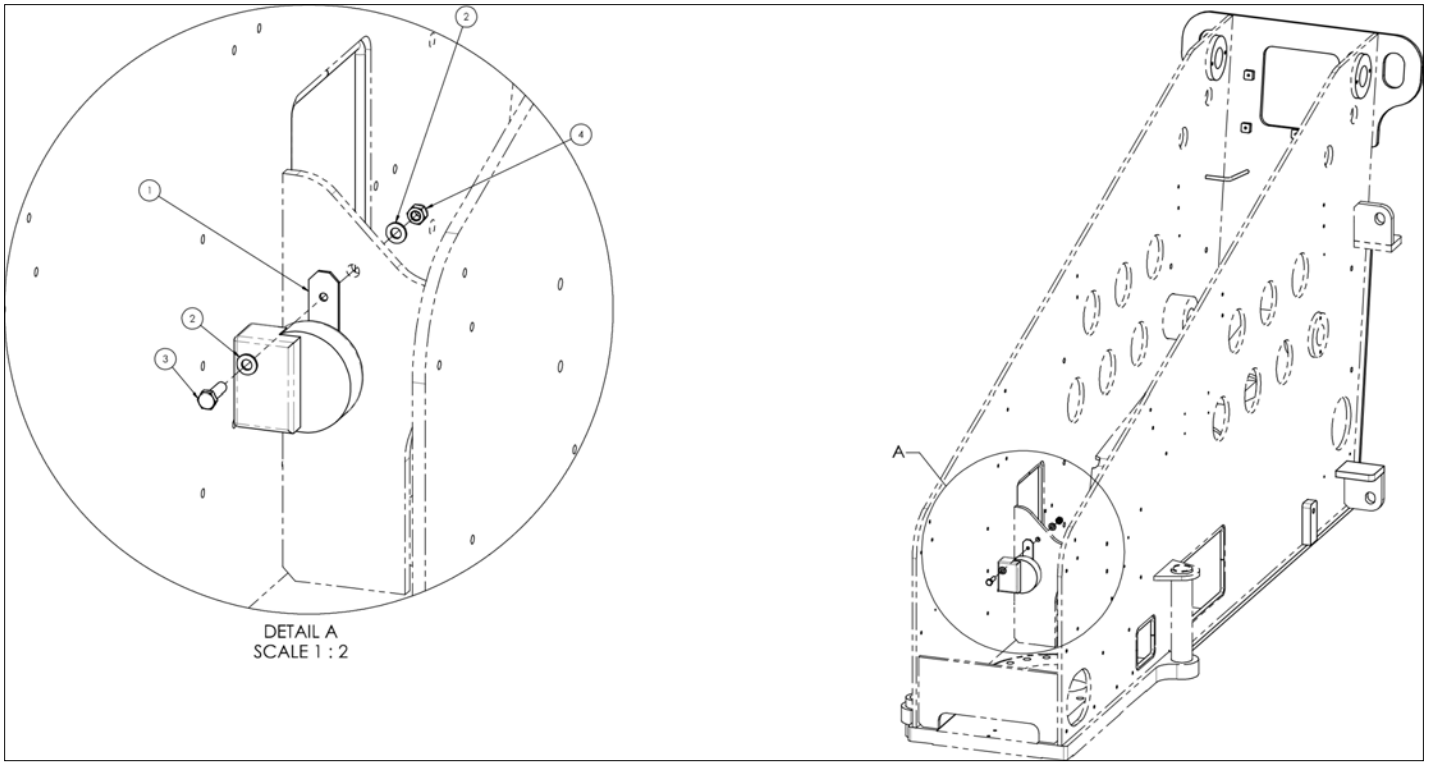
アイテム	部品番号	名前	数量	UOM
*	1432208 E	EMERGENCY POWER UNIT INSTALLATION		EA
1	6020058	EMERGENCY PWR UNIT TB/ATB	1	EA
2	511481-000	FTG, 90 ° , 6MORFF X 6MORB	1	EA
3	1432220	PLT, BATTERY DISCONNECT ORG	1	EA
4	3040506	SOLENOID 12V 150	1	EA
5	13161-000	SWITCH	1	EA
6	13162-000	SWITCH LOCK	1	EA
7	056069-006	WSHR STEELFLATWSHE M6 DIN125A	8	EA
8	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	4	EA
9	512630-016	BOLT, HEXBOLT DIN933 M6 x 16mm 10.9 ZINCPLATED	2	EA
10	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	2	EA
11	058493-025	HHCS M10 X 25MM GR10.9 DIN933	2	EA
12	5560222	WSHR FLAT HARD .375 SP	2	EA
13	5560704	BLT HEXHD .375-16 1.25 GR8	2	EA
14	100432-015	FTG, STR, 8MORFF X 8MORB	1	EA
15	100435-003	FTG, 90 ° , 8MORFF X 8FORFF	1	EA

REPAIR PARTS



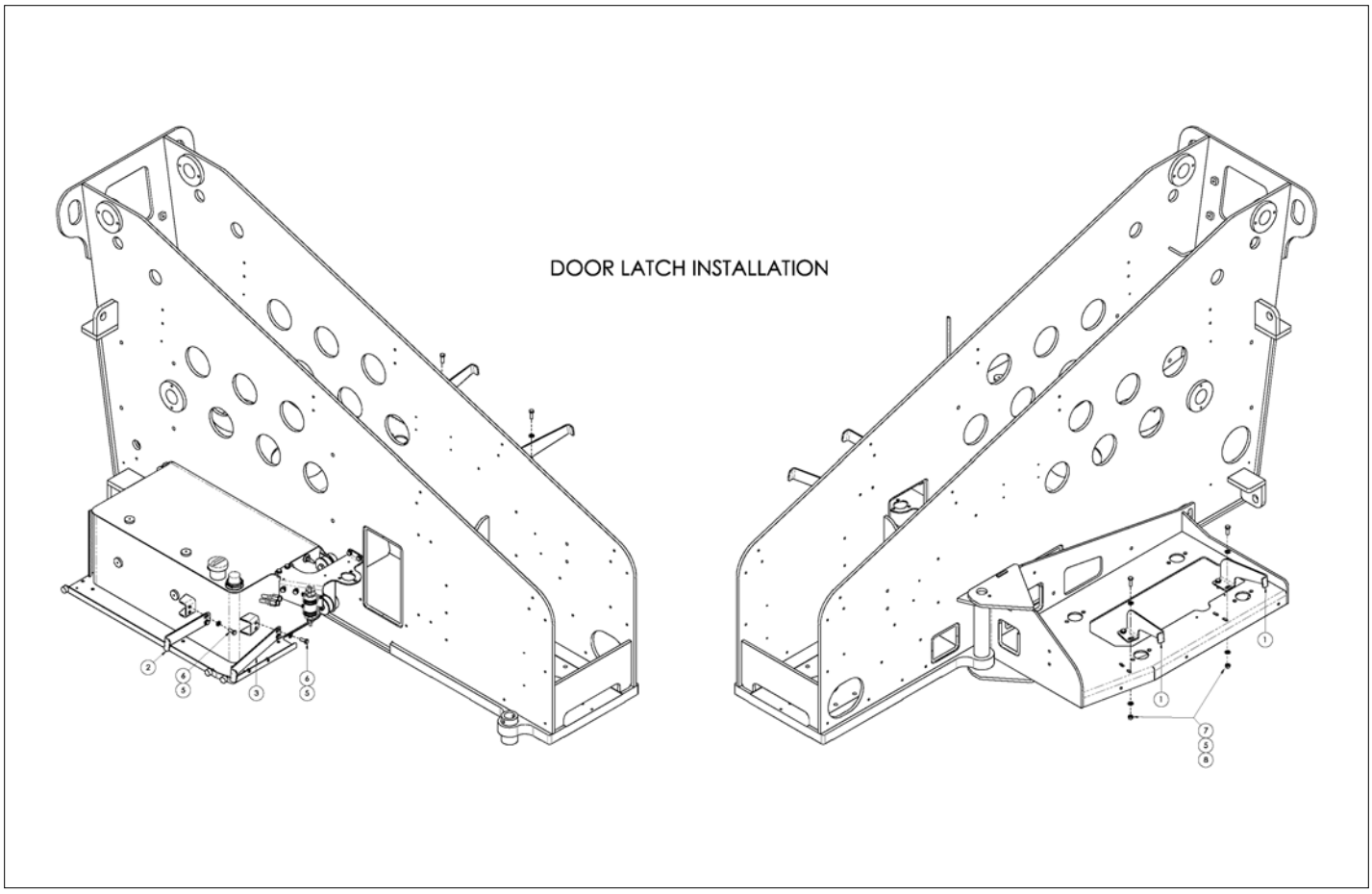
アイテム	部品番号	名前	数量	UOM
-	1433267A	EMERGENCY POWER UNIT INSTALL 400S/460SJ		EA
1	6020058	EMERGENCY PWR UNIT TB/ATB	1	EA
2	100434-013	Hyd Fitting - 90 Elbow ORFS(08) - SAE(08)	1	EA
3	100433-005	FTG, 45 ° , 6MORFF X 6MORB	1	EA
4	1432220	PLT, BATTERY DISCONNECT ORG	1	EA
5	3040506	SOLENOID 12V 150	1	EA
6	13161-000	SWITCH	1	EA
7	13162-000	SWITCH LOCK	1	EA
8	13006-006	150 AMP FUSE	1	EA
9	13006-016	FUSE BLOCK BOLT-IN LITTLE	1	EA
10	056069-006	WSHR STEELFLATWSHE M6 DIN125A	8	EA
11	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	4	EA
12	512630-016	BOLT, HEXBOLT DIN933 M6 x 16mm 10.9 ZINCPLATED	2	EA
13	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	2	EA
14	058493-025	HHCS M10 X 25MM GR10.9 DIN933	2	EA
15	5560222	WSHR FLAT HARD .375 SP	2	EA
16	5560704	BLT HEXHD .375-16 1.25 GR8	2	EA
17	512630-020	HHCS M6 X X 20 G10.9 DIN 933	2	EA

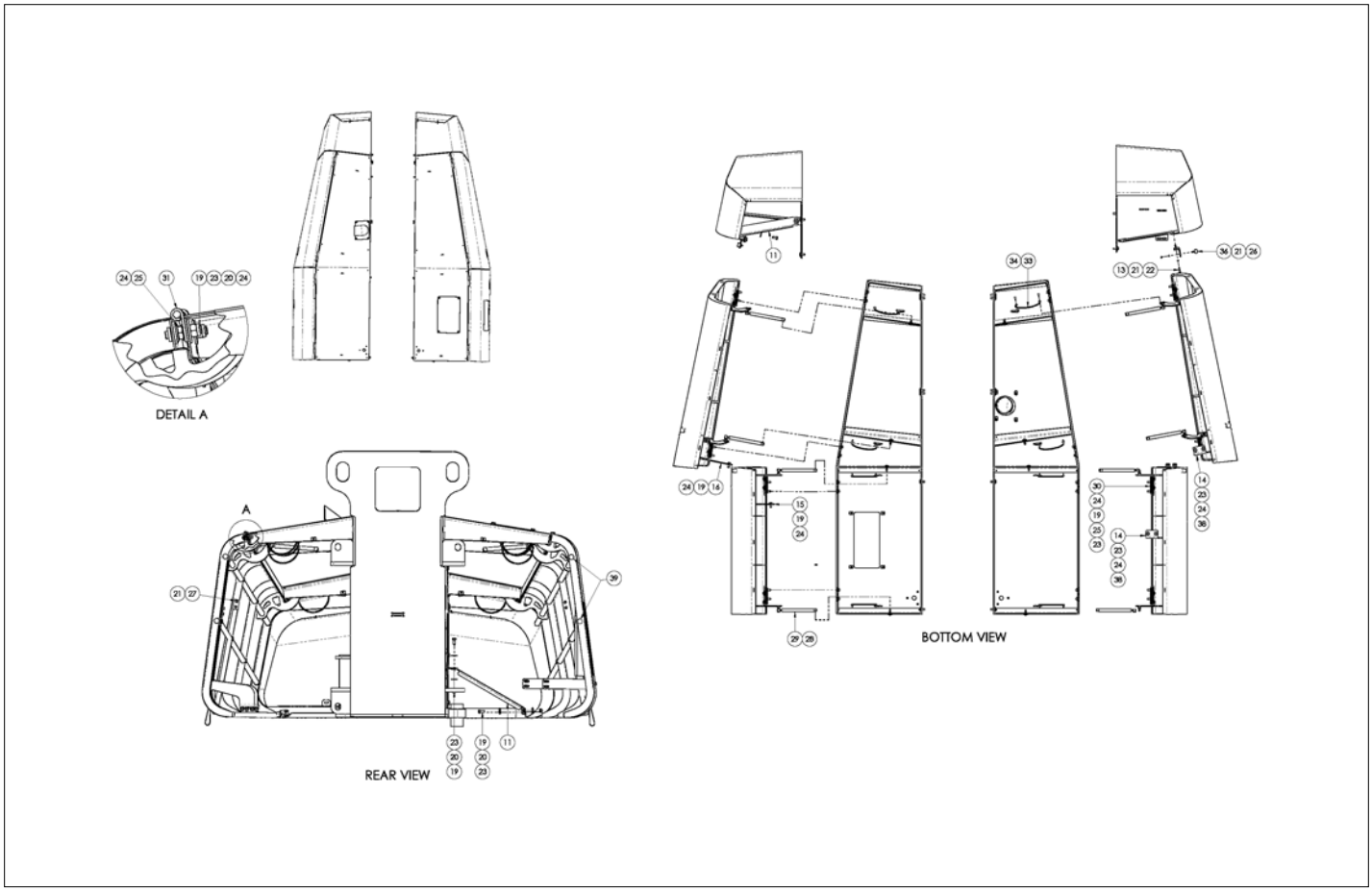
REPAIR PARTS

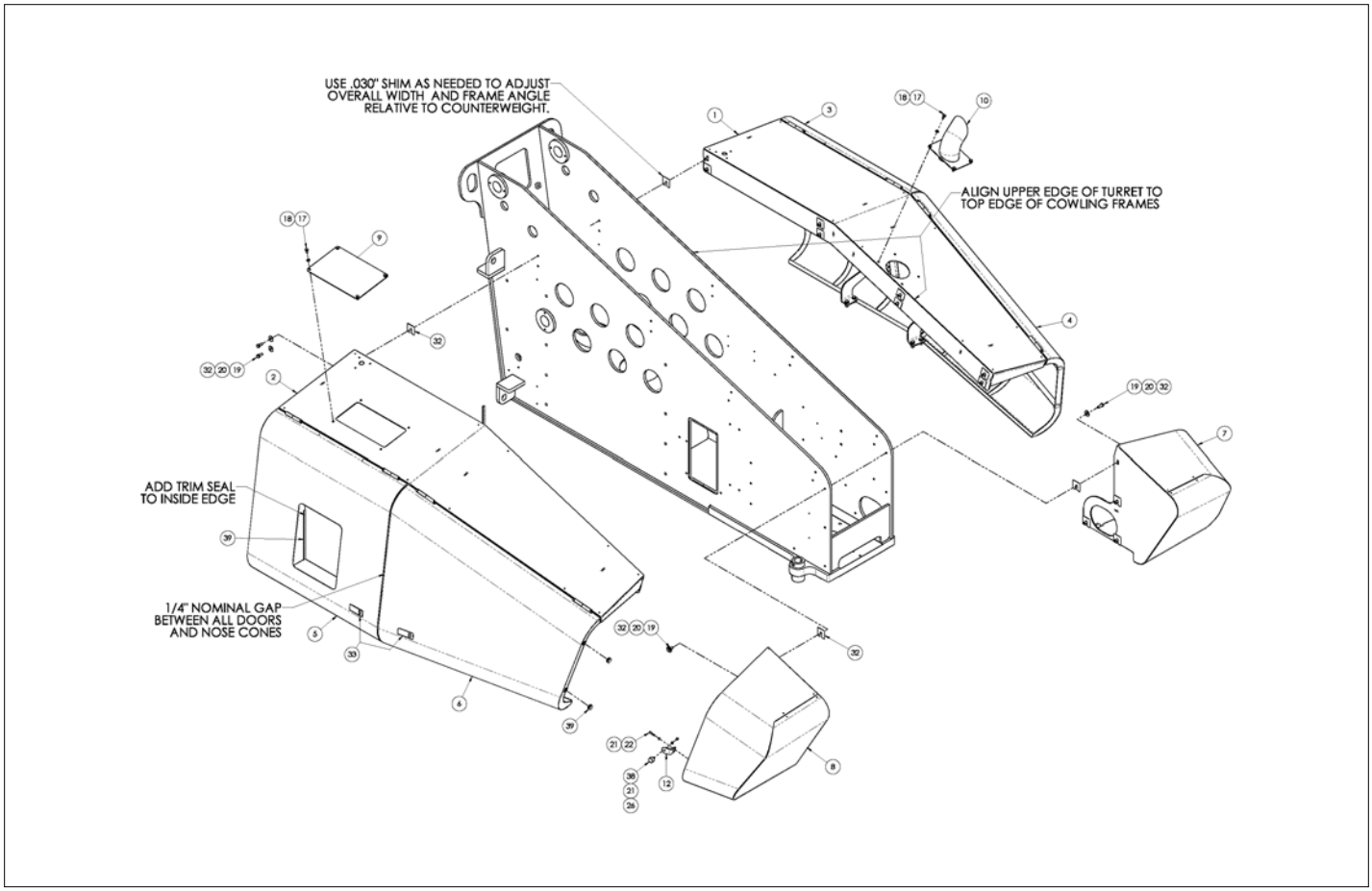


アイテム	部品番号	名前	数量	UOM
-	1433268A	HORN INSTL 400/460SJ		EA
1	3014787	ASSY HORN	1	EA
2	5563543	WSHR, FLAT M10 YL ZN GR 10.9	2	EA
3	5563898	HHCS M10 X 35 G10.9 DIN 931	1	EA
4	056064-010	Nut NylockNut DIN985 M10 10.0	1	EA

REPAIR PARTS



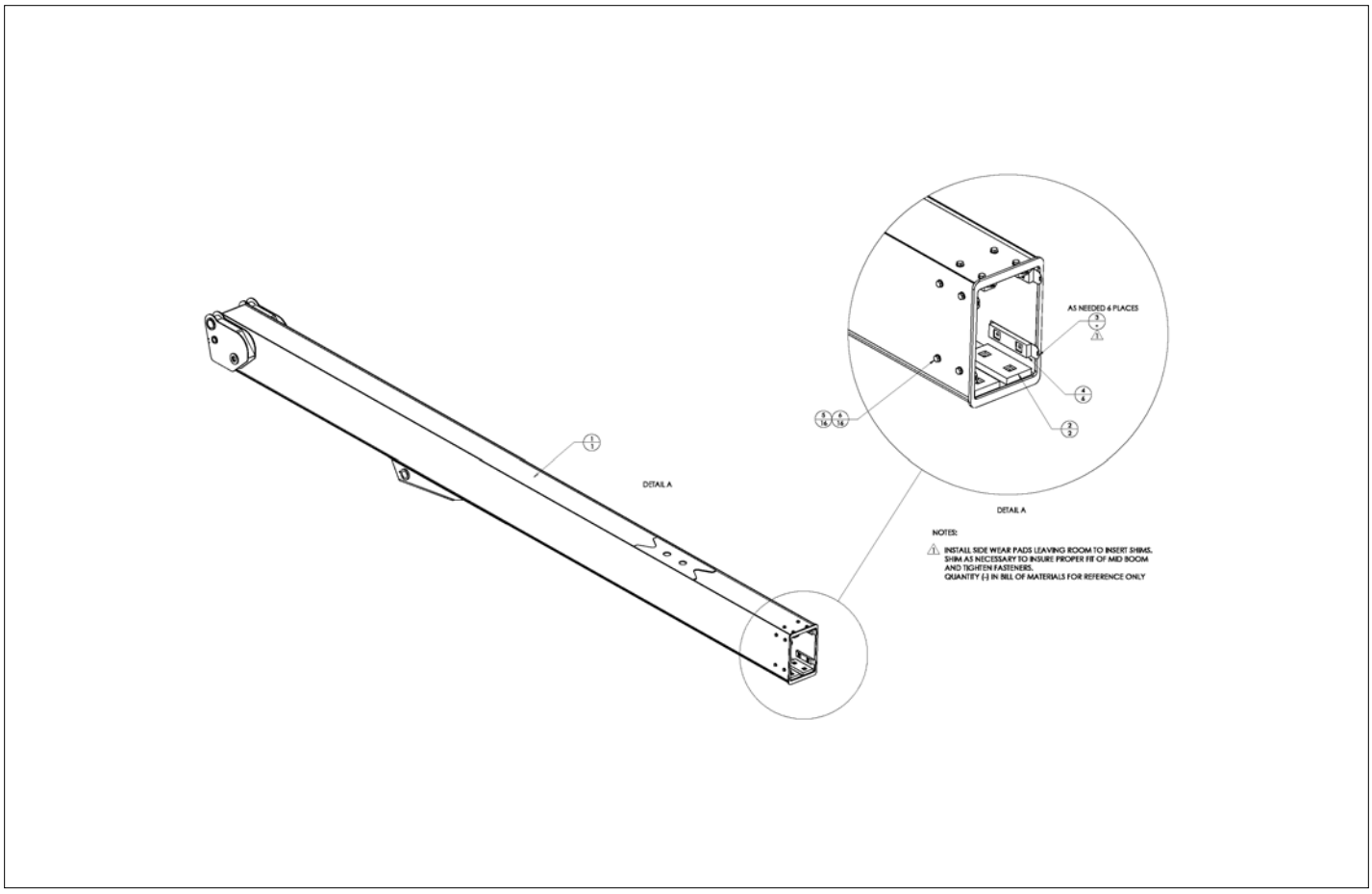

DETAIL A
REAR VIEW
BOTTOM VIEW


USE .030" SHIM AS NEEDED TO ADJUST OVERALL WIDTH AND FRAME ANGLE RELATIVE TO COUNTERWEIGHT.
ALIGN UPPER EDGE OF TURRET TO TOP EDGE OF COWLING FRAMES
ADD TRIM SEAL TO INSIDE EDGE
1/4" NOMINAL GAP BETWEEN ALL DOORS AND NOSE CONES

アイテム	部品番号	名前	数量	UOM
-	1431176B	TURRET HOODS INSTALL		EA
1	1431183	FRAME WELDMENT, RH	1	EA
2	1431217	FRAME WELDMENT, LH	1	EA
3	1431181	REAR DOOR, RH - 400S/460SJ	1	EA
4	1431200	FRONT DOOR, RH - 400S/460SJ	1	EA
5	1431213	REAR DOOR, LH - 400S/460SJ	1	EA
6	1431226	FRONT DOOR, LH - 400S/460SJ	1	EA
7	1433323	NOSE CONE, RH - 400S/460SJ	1	EA
8	1433329	NOSE CONE, LH - 400S/460SJ	1	EA
9	1431544	COVER-HAND	1	EA
10	1431073	MUFFLER WA	1	EA
11	1433351	SUPPORT-NOSE CONE, 400S/460SJ	1	EA
12	1431966	BRACKET BUMPER	1	EA
13	1431967	BRACKET BUMPER	1	EA
14	1431514	MOUNT, BUMPER	2	EA
15	1433923-8	LATCH-LH FRONT DOOR 400S 460SJ	1	EA
16	1433924-8	LATCH-LH REAR DOOR 400S 460SJ	1	EA
17	510681-016	HHCS M8X1.25X16 G10.9 ISO 4014	8	EA
18	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	8	EA
19	058493-025	HHCS M10 X 25MM GR10.9 DIN933	45	EA
20	508247-010	Washer,PennyWasher, DIN9021,M1	43	EA
21	056069-006	WSHR STEELFLATWSHE M6 DIN125A	22	EA
22	512630-025	HHCS M6 X 1 X 25 GR 10.9 DIN 933	4	EA

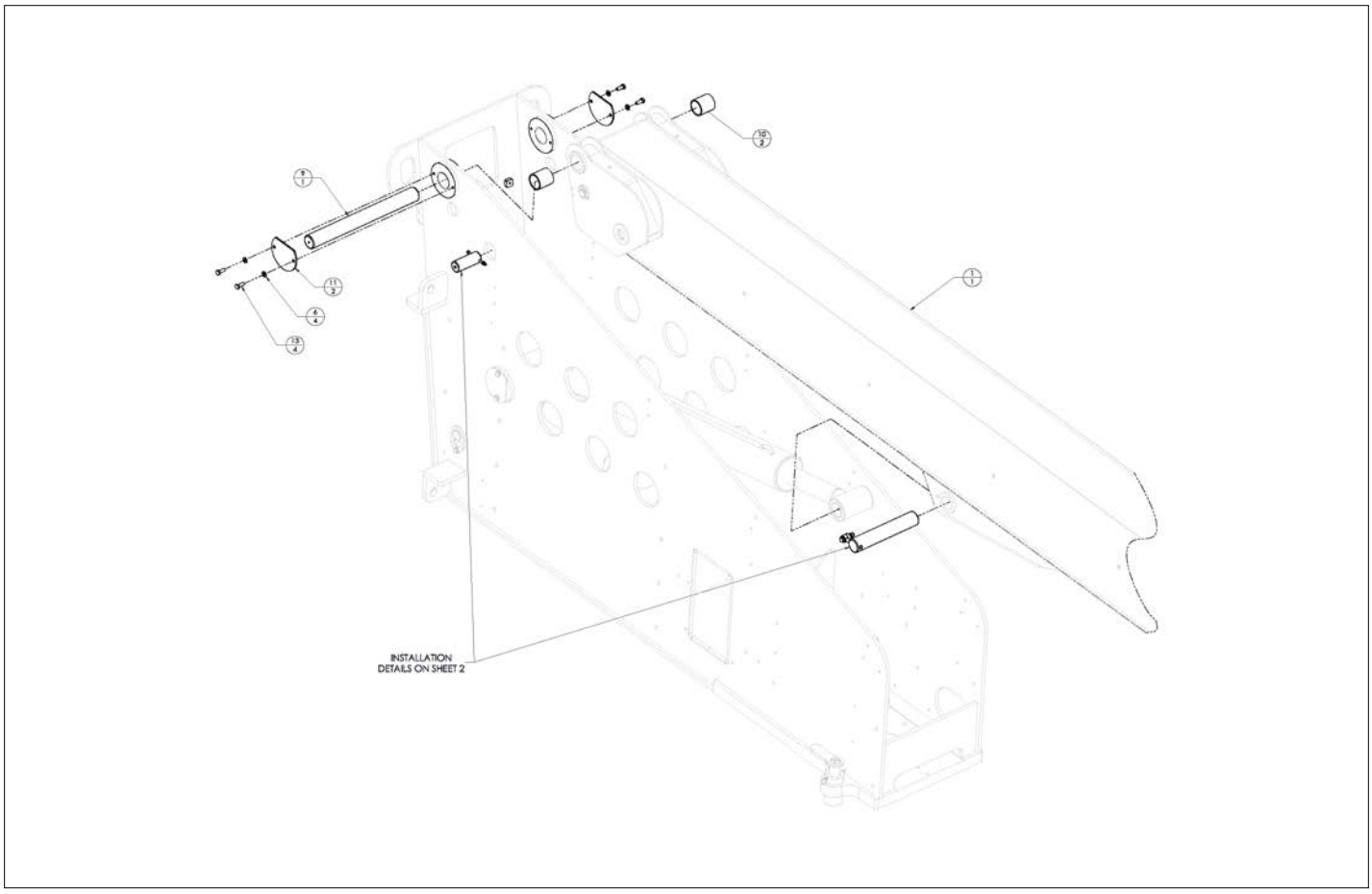
アイテム	部品番号	名前	数量	UOM
23	056064-010	Nut NylockNut DIN985 M10 10.0	22	EA
24	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	44	EA
25	058493-016	BOLT HEXSCREW DIN933 M10 X 16MM 8.8 ZINCPLATED	16	EA
26	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	10	EA
27	056058-018	BOLT, HEXBOLT DIN 931 M6 X 16MM 8.8 ZP	8	EA
28	5534385	10 MM BALL STUD, .3125-18	16	EA
29	5516368	GAS SPRING 150#x15.25	8	EA
30	5516370	HINGE-.375 PIN ASSY	8	EA
31	1431849	SHIM-COWLING, .030"	24	EA
32	5510022	ADJUSTABLE LEVER LATCH	4	EA
33	1431539	CABLE-DOOR	8	EA
34	5534390	SHOULDR BOLT 6mm x4MM	16	EA
35	5516357	STRAP-NYLON, 24 INCH	4	EA
36	5563642	BUMPER-RUBBER M6X1.0	2	EA
37	2540015	PLUG-PIPE, .84-.93" ID	16	EA
38	056060-030	BOLT HEXBOLT DIN931 M10 X 30MM 8.8 ZP	4	EA
39	9920035	TRIMSEAL X3/16G TRIM LOK	5	EA

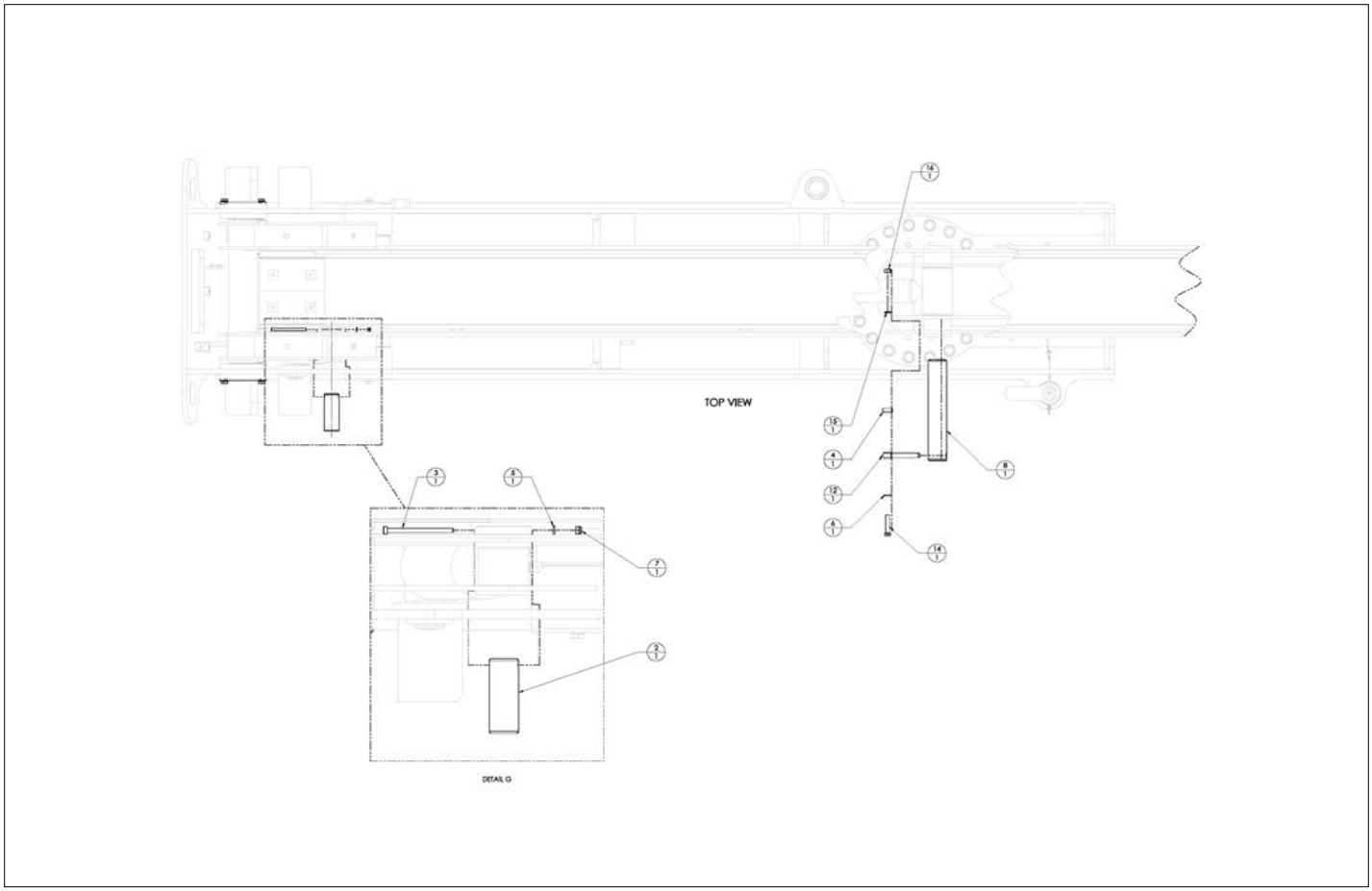
REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
-	1433224A	BASE BOOM ASSEMBLY 400S/460SJ		EA
1	106528-300	WLDMT BASE BOOM 400/460	1	EA
2	1433227	WEAR PAD ASSY, BASE BOTTOM	2	EA
3	1431402	SHIM, WEAR PAD 0.030"	6	EA
4	1432307	WEAR PAD ASSY, SIDE, MID BOOM	6	EA
5	5563543	WSHR, FLAT M10 YL ZN GR 10.9	16	EA
6	058493-020	BOLT HEXSETSCREW DIN933 M10 X 20MM 8.8 ZP	16	EA

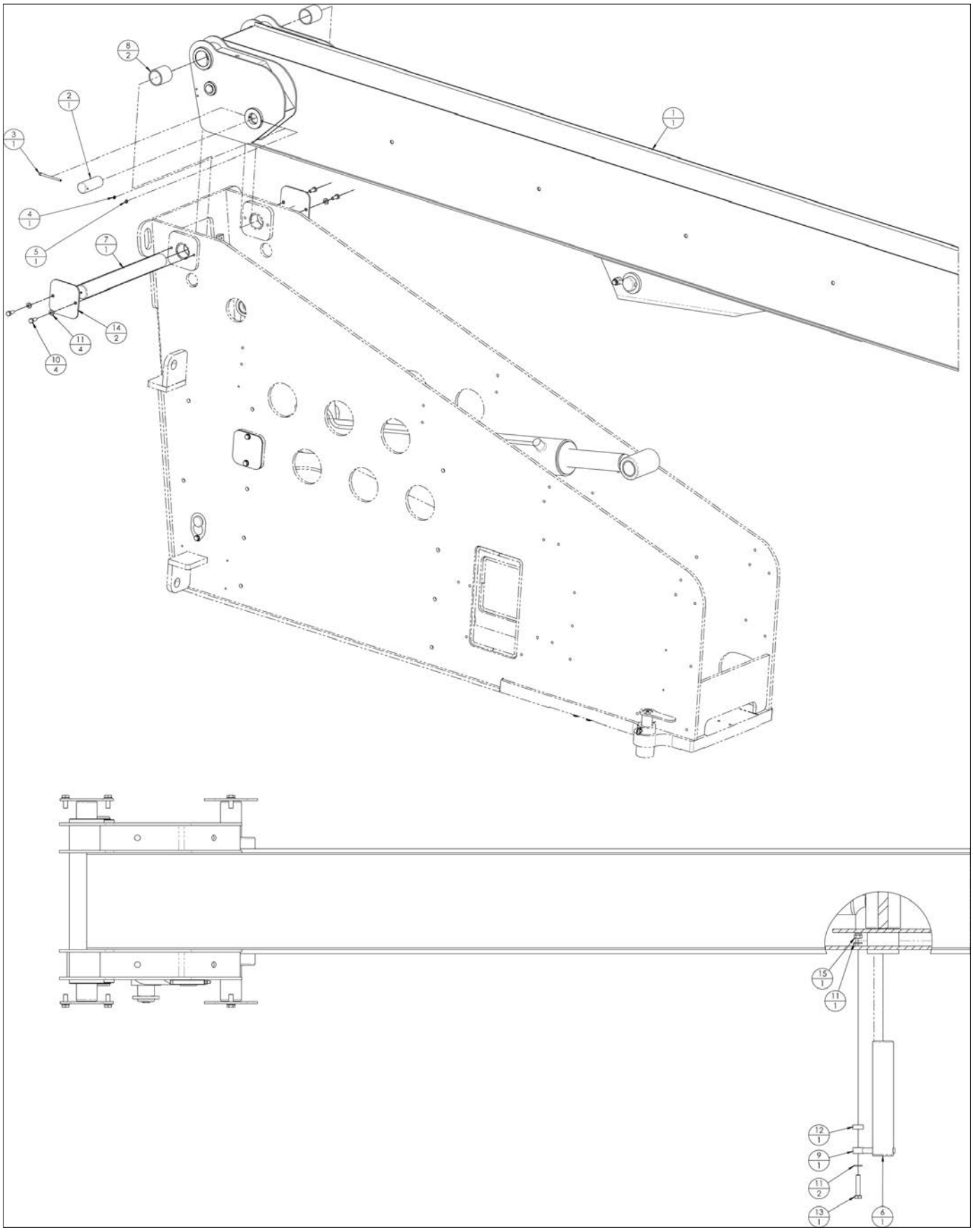
REPAIR PARTS




TOP VIEW
DETAIL G

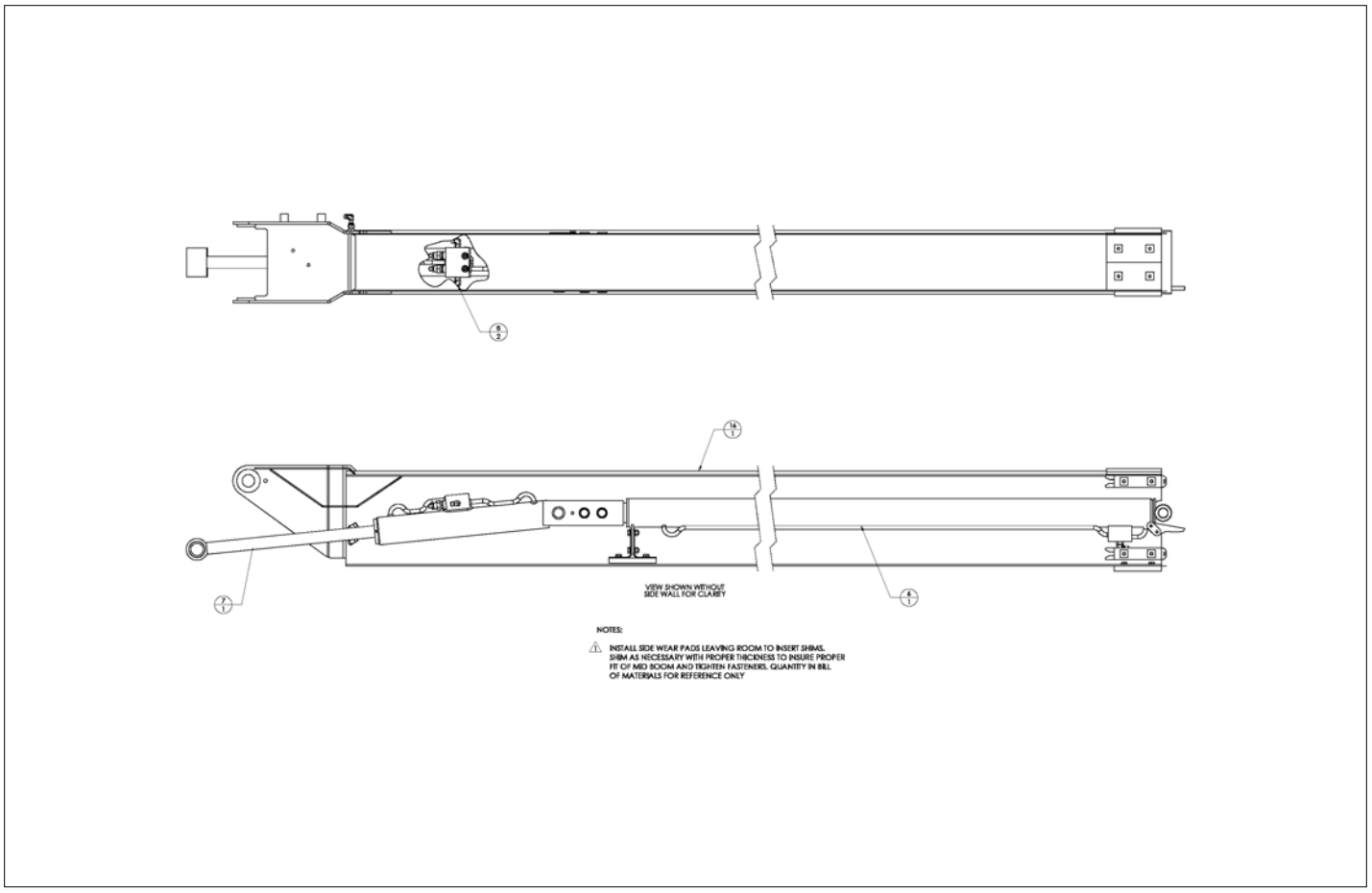
アイテム	部品番号	名前	数量	UOM
-	1433370A	MAIN BOOM INSTALL 400S/460SJ		EA
1	1433226	BOOM INSTALL, INNER TO BASE	1	EA
2	1433235	PIN, BASE BOOM TO MASTER CYL	1	EA
3	5563953	SHCS M6 X 1.0 X 90MM SS	1	EA
4	1431818	SPACER, BANJO PIN, LIFT CYL	1	EA
5	5563541	WASHER, FLAT, M6, STEEL, C10.9, YELLOW ZINC	1	EA
6	5563543	WSHR, FLAT M10 YL ZN GR 10.9	5	EA
7	056066-006	Nut NylockNut DIN985 M6 8.0 Zi	1	EA
8	1433313	PIN, MAIN LIFT TO BASE BOOM	1	EA
9	1433316	PIN, MAIN PIVOT 400S/460SJ	1	EA
10	106968-000	MAIN PIVOT BRNG -BOOM	2	EA
11	1431364	PLATE, RETAINER	2	EA
12	065214-001	ROD END 1/2 X 3-1/2	1	EA
13	058493-025	HHCS M10 X 25MM GR10.9 DIN933	4	EA
14	058509-050	HHCS M10X1.5X50 G10.9 DIN 933	1	EA
15	056021-010	Washer, SpringWasher DIN127B M	1	EA
16	056067-010	Nut, HexNut DIN934 M10 8.0 Zin	1	EA

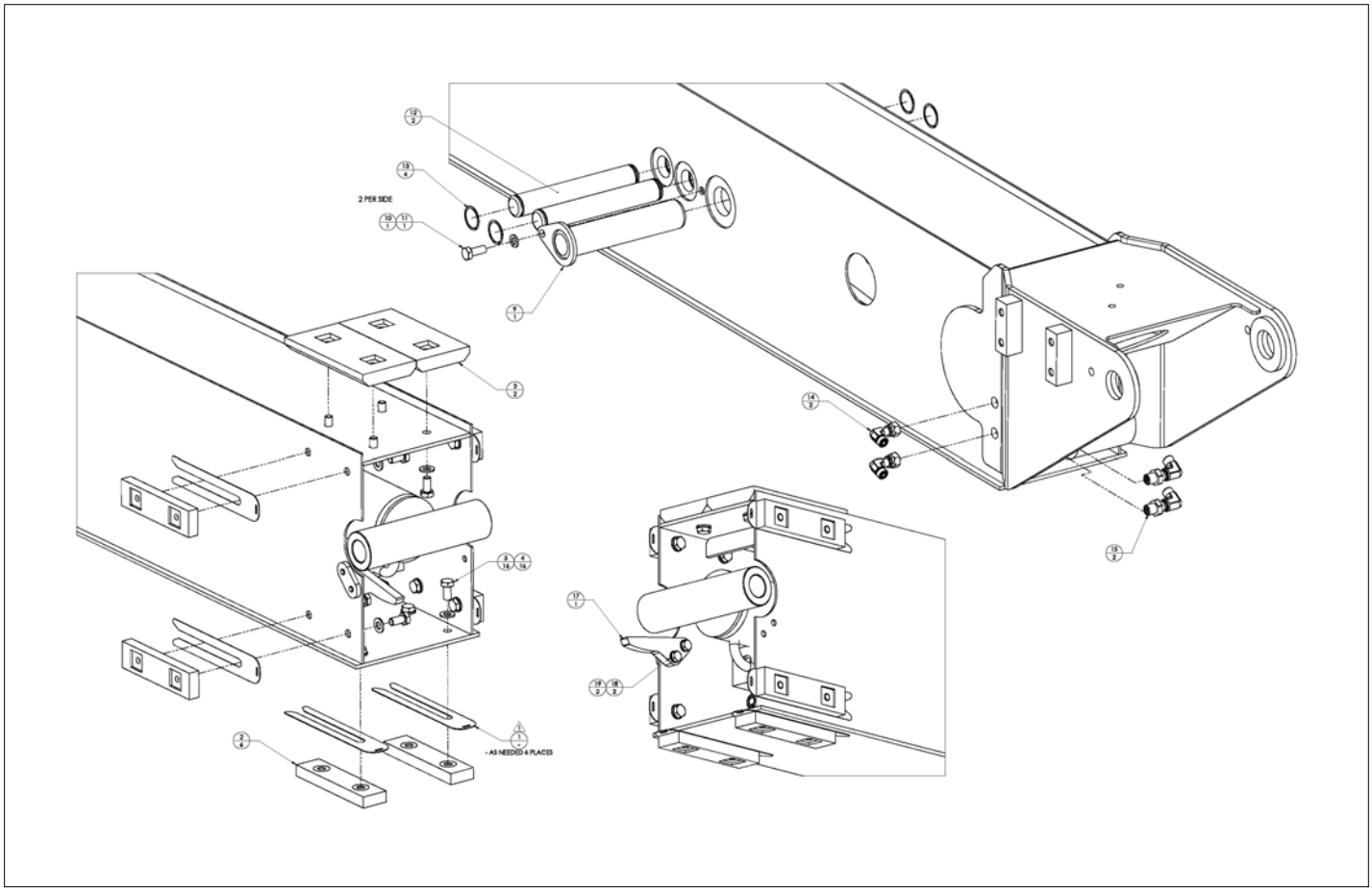
REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
-	1433370 C	MAIN BOOM INSTALLATION 400/460 MARCH 2020 AND AFTER		EA
1	1433226	BOOM INSTALL, INNER TO BASE	1	EA
2	1433235	PIN, BASE BOOM TO MASTER CYL	1	EA
3	5563953	SHCS M6 X 1.0 X 90MM SS	1	EA
4	5563541	WASHER, FLAT, M6, STEEL, C10.9, YELLOW ZINC	1	EA
5	056066-006	Nut NylockNut DIN985 M6 8.0 Zi	1	EA
6	1433313	PIN, MAIN LIFT TO BASE BOOM	1	EA
7	1433316	PIN, MAIN PIVOT 400S/460SJ	1	EA
8	106968-000	MAIN PIVOT BRNG -BOOM	2	EA
9	065214-001	ROD END 1/2 X 3-1/2	1	EA
10	058493-025	HHCS M10 X 25MM GR10.9 DIN933	4	EA
11	5563543	WSHR, FLAT M10 YL ZN GR 10.9	6	EA
12	1431818	SPACER, BANJO PIN, LIFT CYL	1	EA
13	058509-050	HHCS M10X1.5X50 G10.9 DIN 933	1	EA
14	1434031-8	PIN RETAINER - 400S/460SJ	2	EA
15	056064-010	Nut NylockNut DIN985 M10 10.0	1	EA

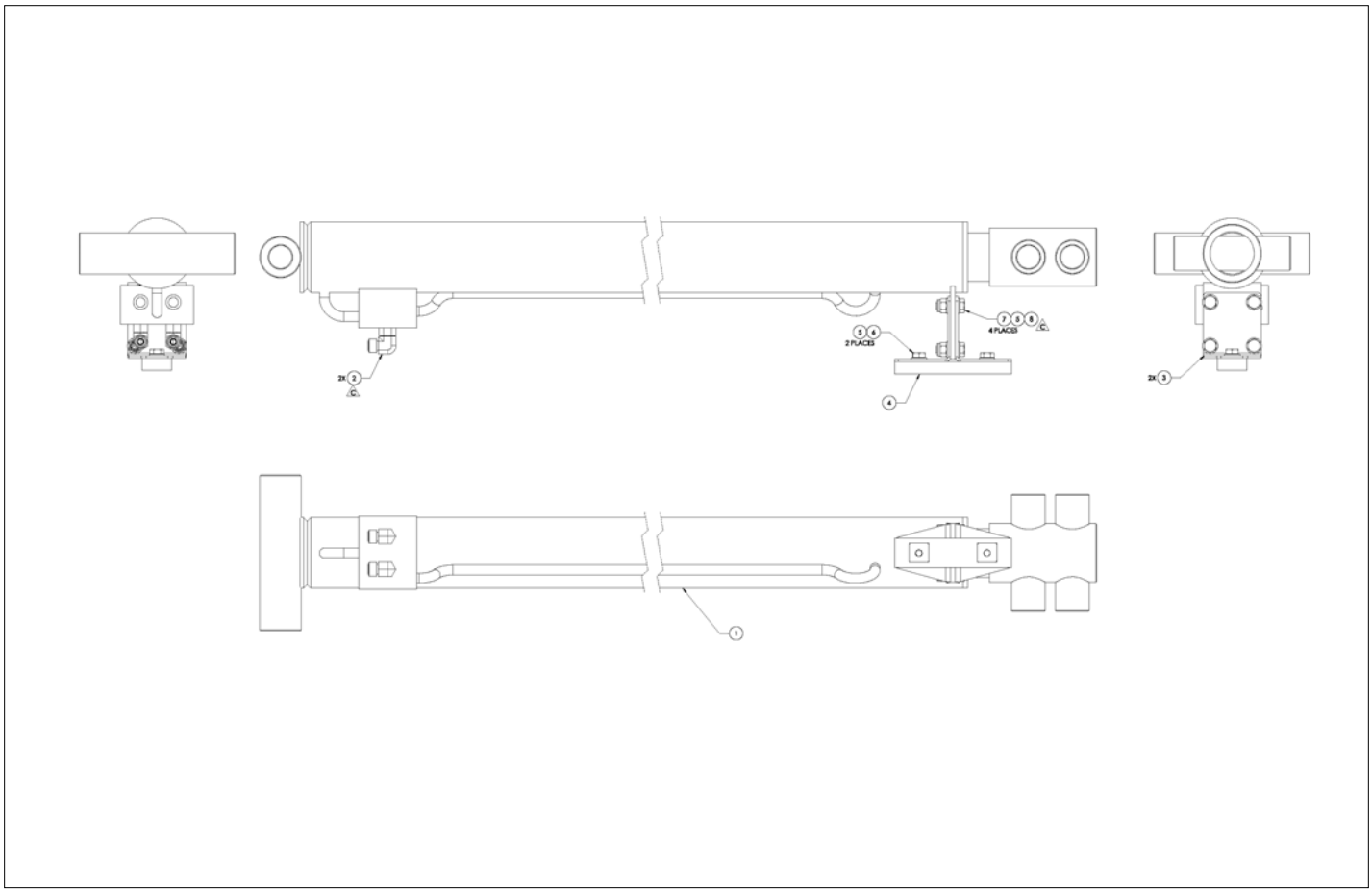
REPAIR PARTS




2 PER SIDE
AS NEEDED 4 PLACES

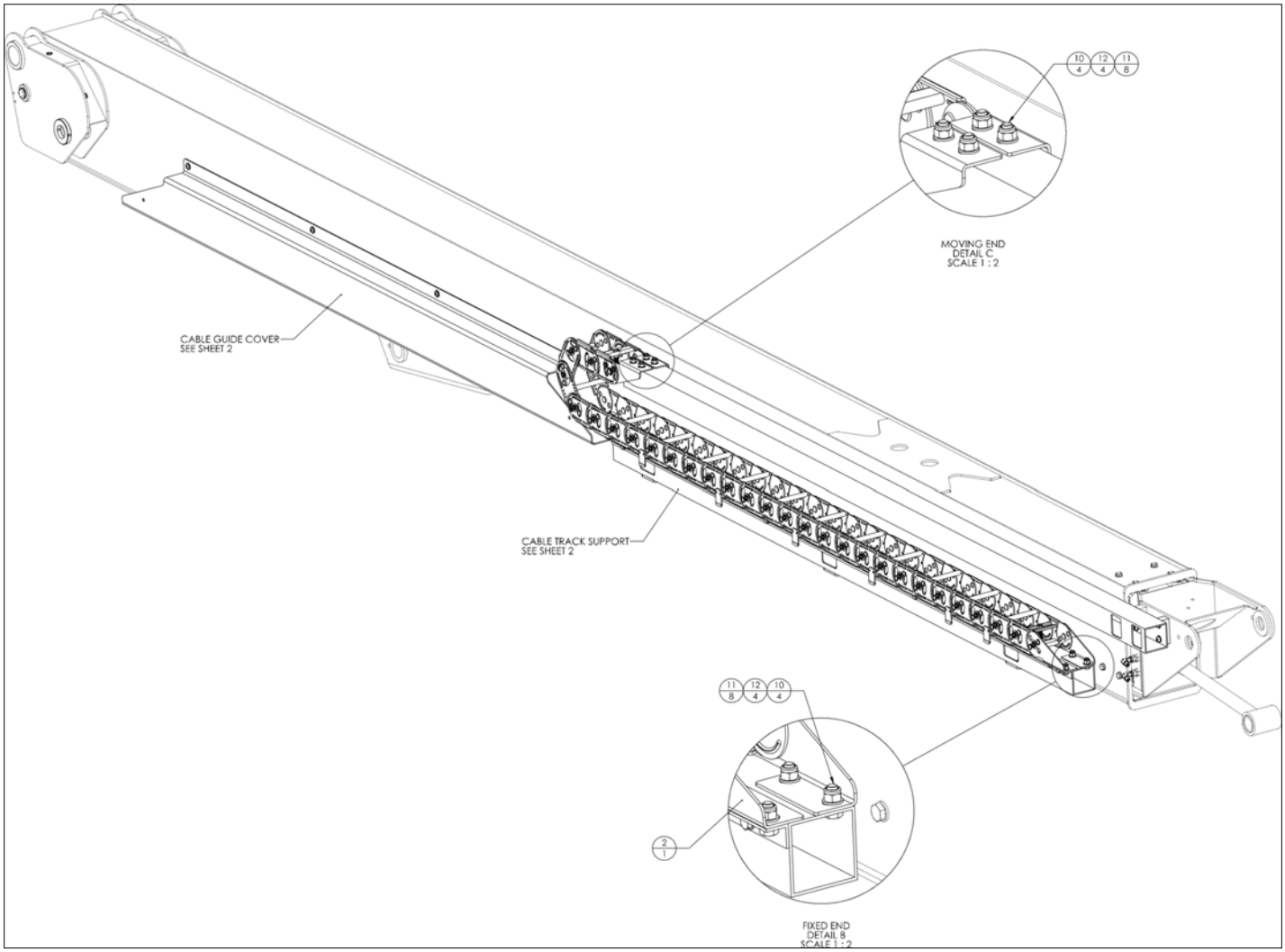
アイテム	部品番号	名前	数量	UOM
-	1433225B	BOOM ASSEMBLY INNER 400S/460SJ		EA
1	1431402	SHIM, WEAR PAD 0.030"	6	EA
2	1432307	WEAR PAD ASSY, SIDE, MID BOOM	6	EA
3	1433229	WEAR PAD ASSY, INNER TOP	2	EA
4	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	16	EA
5	058493-020	BOLT HEXSETSCREW DIN933 M10 X 20MM 8.8 ZP	16	EA
6	1433241	EXTEND CYL ASSY, 400/460	1	EA
7	106540-100	SLAVE LEVEL CYLINDER	1	EA
8	100434-002	FITTING 4MORFF X 4MORB 90 °	2	EA
9	1433240	PIN WELDMENT, SLAVE CYL TO EXT	1	EA
10	056021-010	Washer, SpringWasher DIN127B M	1	EA
11	058493-025	HHCS M10 X 25MM GR10.9 DIN933	1	EA
12	1433237	PIN, EXTEND CYL TO INNER BOOM	2	EA
13	5592025	EXT RTNG RING, SPIRAL 1.118 GR	4	EA
14	5033089	FTG, 4MORFF X 4MORFF 90 ° BULKHEAD UNION	2	EA
15	511347-000	4MORFF X 4MORFF 90 ° UNION FITTING	2	EA
16	106529-300	WLDMT INNER BOOM 400/460	1	EA
17	1433616	TRIGGER PAD, LIMIT SWITCH 400S	1	EA
18	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	2	EA
19	510681-020	HHCS M8X1.25X20 G10.9 ISO 4014 DIN 933	2	EA

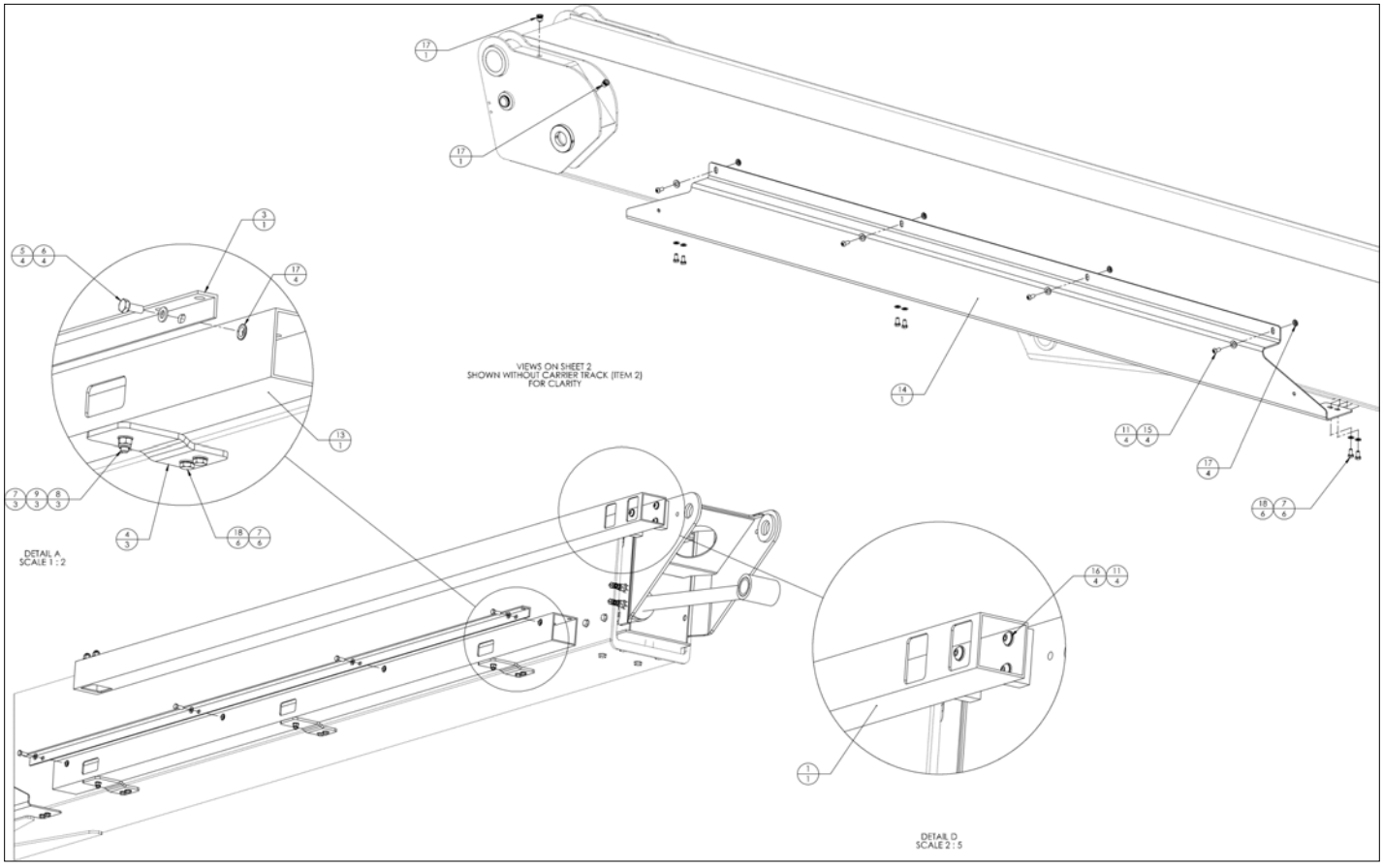
REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
-	1463241C	EXTEND CYLINDER ASSEMBLY 400S 460SJ		EA
1	106815-000	CYLINDER, MAIN BOOM EXTEND	1	EA
2	511481-000	FTG, 90 ° , 6MORFF X 6MORB	2	EA
3	1433242	SUPPORT BRKT, EXTEND CYL	2	EA
4	1432307	WEAR PAD ASSY, SIDE, MID BOOM	1	EA
5	5563543	WSHR, FLAT M10 YL ZN GR 10.9	10	EA
6	058493-016	BOLT HEXSCREW DIN933 M10 X 16MM 8.8 ZINCPLATED	2	EA
7	056060-030	BOLT HEXBOLT DIN931 M10 X 30MM 8.8 ZP	4	EA
8	056066-010	Nut, NylockNut DIN985 M10 8.0ZincPlated	4	EA

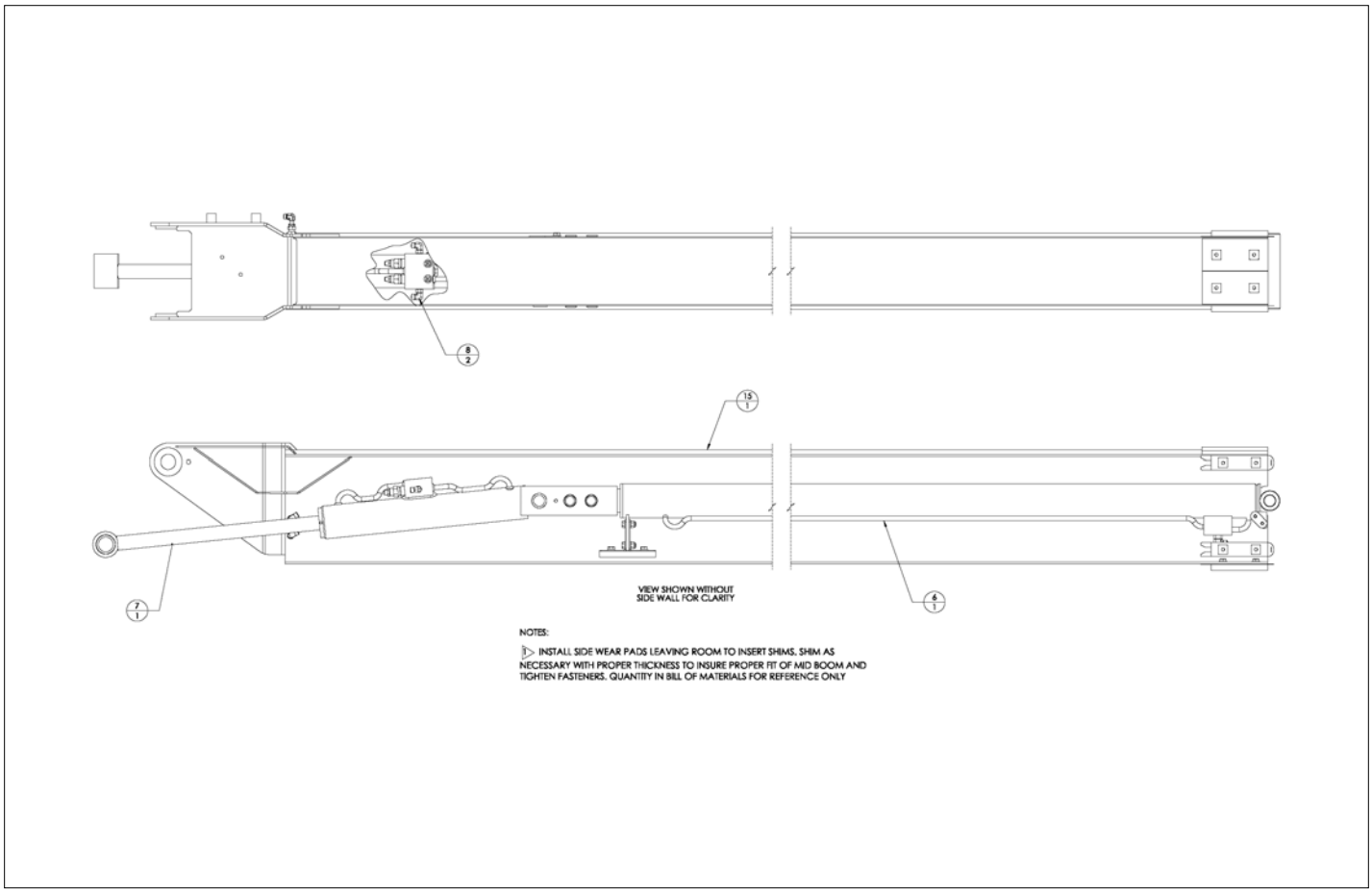
REPAIR PARTS

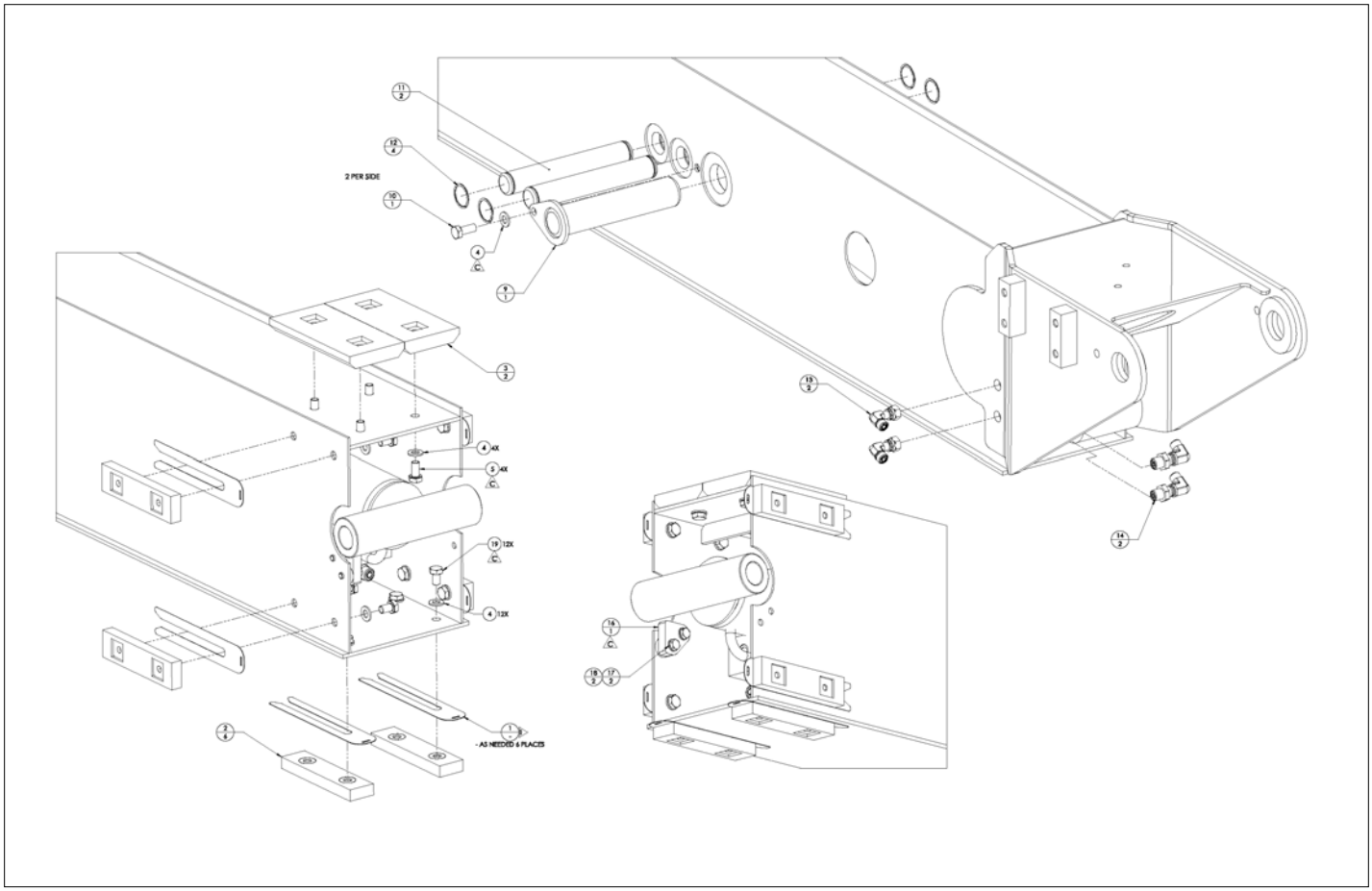



VIEWS ON SHEET 2
SHOWN WITHOUT CARRIER TRACK (ITEM 2)
FOR CLARITY
DETAIL A
SCALE 1 : 2
DETAIL D
SCALE 2 : 5

アイテム	部品番号	名前	数量	UOM
-	1433364 B	CARRIER TRACK INSTALLATION 400S 460SJ		EA
1	1433243	TUBE, UPPER HOSE CAR 400/460	1	EA
2	1433234	GORTRAC CABLE & HOSE CARRIER	1	EA
3	1433275	BASE SUPPORT, HOSE CAR 400/460	1	EA
4	1433245	SUPPORT BRKT, CARRIER TRACK	3	EA
5	5563542	WSHR, FLAT M8 YL ZN GR 10.9	4	EA
6	058492-020	Bolt HexSetScrew DIN933 M8 x 2	4	EA
7	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	15	EA
8	5563755	SCS BUTN HD M8X1.25X25 ZN 10.9	3	EA
9	056066-008	NUT NYLOCKNUT DIN985 M8 8.0 ZP	3	EA
10	058493-025	HHCS M10 X 25MM GR10.9 DIN933	8	EA
11	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	24	EA
12	056066-010	Nut, NylockNut DIN985 M10 8.0ZincPlated	8	EA
13	1433597	TRACK GUIDE, LOWER, FORWARD	1	EA
14	1433595	CABLE GUIDE CARRIER TRACK	1	EA
15	5563754	SCS BUTN HD M8X1.25X20 ZN 10.9	4	EA
16	5563758	SCS BUTN HD M10X1.5X25 ZN 10.9 (SEE SERVICE NOTE BELOW)	4	EA
17	5076531	RIVET NUT-M8X1.25, HEAVY DUTY	10	EA
18	510681-016	HHCS M8X1.25X16 G10.9 ISO 4014	12	EA

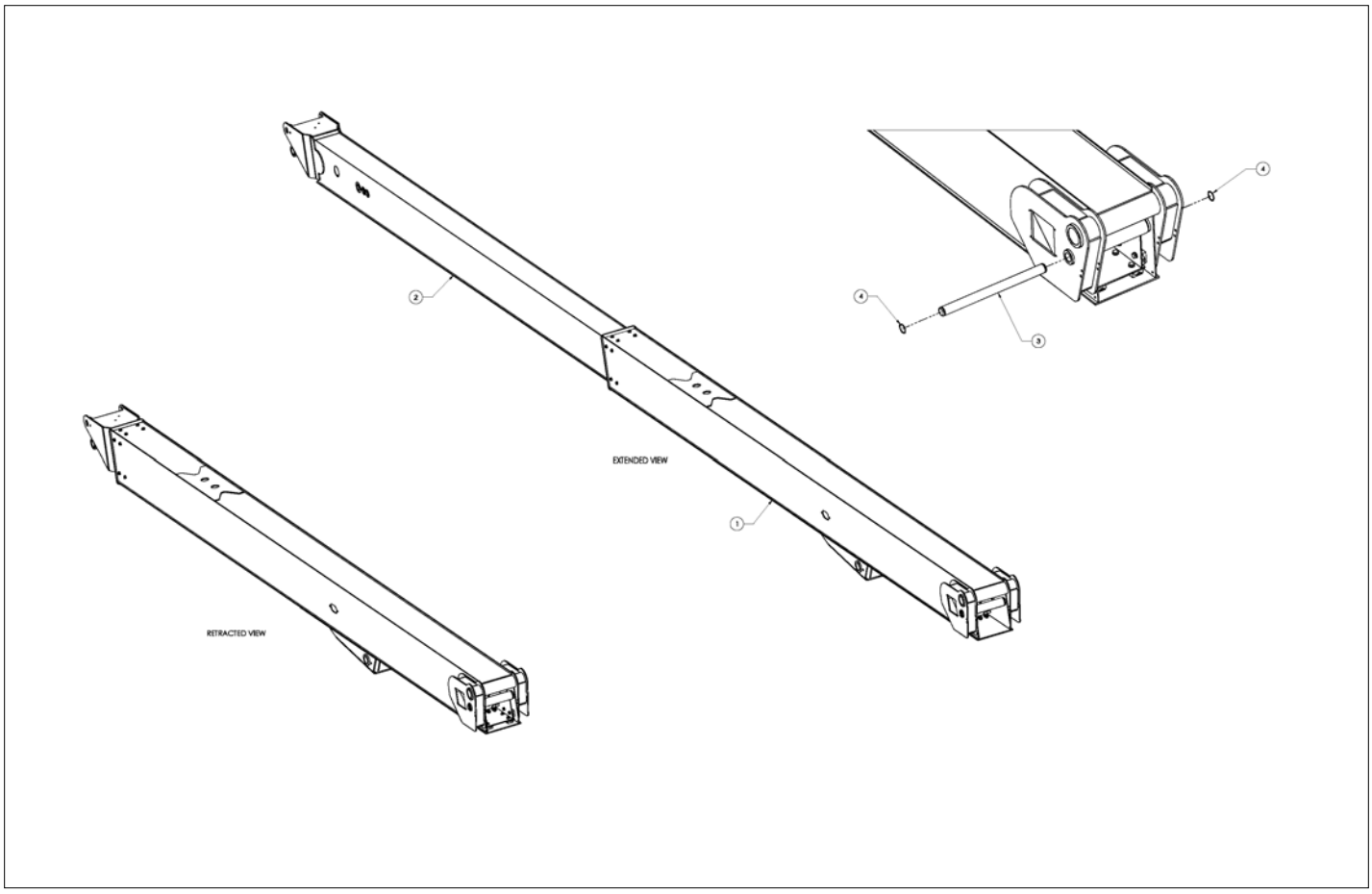
REPAIR PARTS




2 PER SIDE
4X
4X
12X
12X
AS NEEDED 6 PLACES

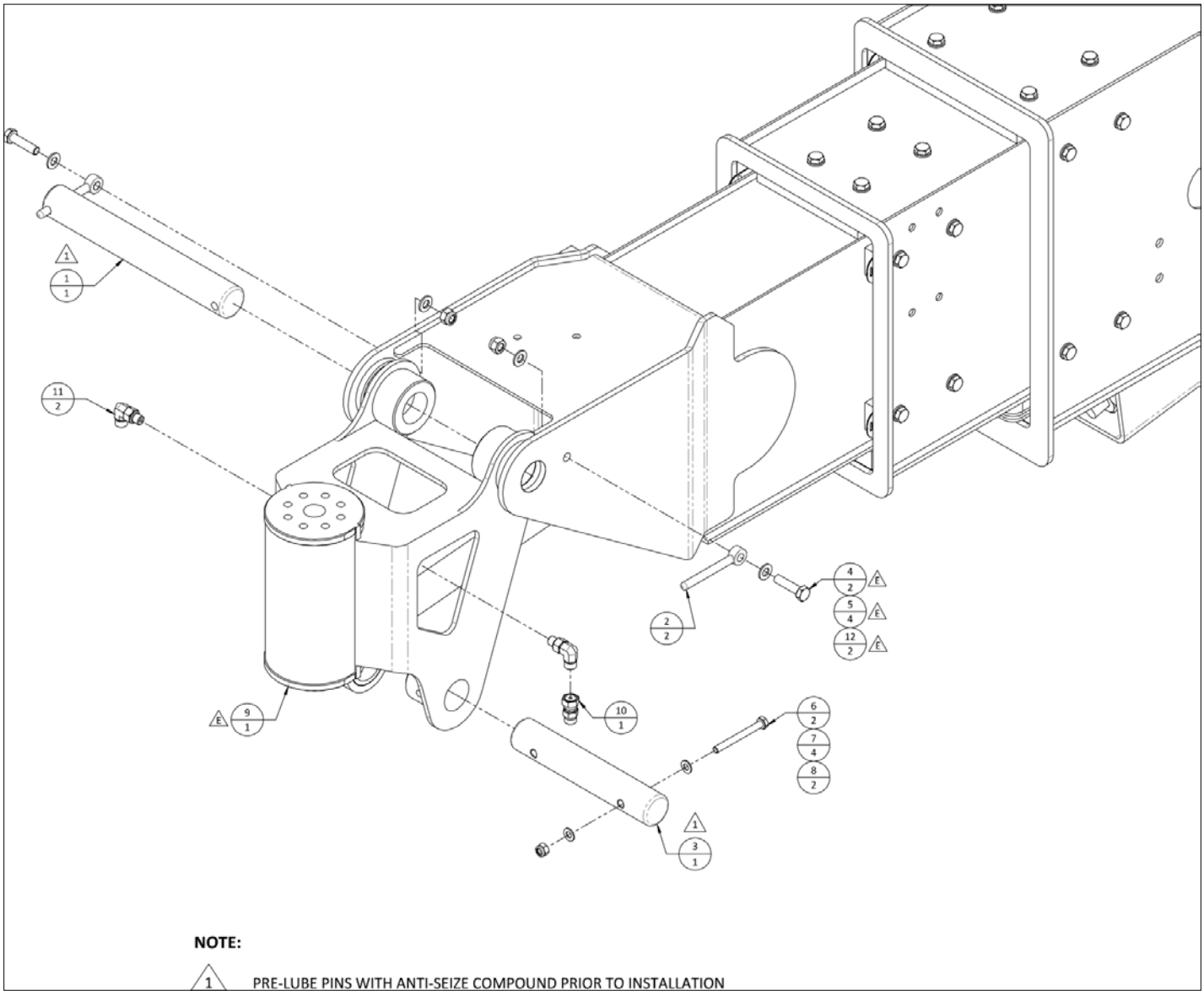
アイテム	部品番号	名前	数量	UOM
-	1433225C	INNER BOOM ASSEMBLY		EA
1	1431402	SHIM, WEAR PAD 0.030"	6	EA
2	1432307	WEAR PAD ASSY, SIDE, MID BOOM	6	EA
3	1433229	WEAR PAD ASSY, INNER TOP	2	EA
4	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	17	EA
5	058493-020	BOLT HEXSETSCREW DIN933 M10 X 20MM 8.8 ZP	4	EA
6	1433241	EXTEND CYL ASSY, 400/460	1	EA
7	106540-100-3	HYDRAULIC CYL SLAVE LEVEL	1	EA
8	100434-002	FITTING 4MORFF X 4MORB 90 °	2	EA
9	1433240	PIN WELDMENT, SLAVE CYL TO EXT	1	EA
10	058493-025	HHCS M10 X 25MM GR10.9 DIN933	1	EA
11	1433237	PIN, EXTEND CYL TO INNER BOOM	2	EA
12	5592025	EXT RTNG RING, SPIRAL 1.118 GR	4	EA
13	5033089	FTG, 4MORFF X 4MORFF 90 ° BULKHEAD UNION	2	EA
14	511347-000	4MORFF X 4MORFF 90 ° UNION FITTING	2	EA
15	106529-300-1	WLDMT INNER BOOM 400/460	1	EA
16	1433941-1	TRIGGER PAD, LIMIT SWITCH, 400	1	EA
17	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	2	EA
18	058492-020	Bolt HexSetScrew DIN933 M8 x 2	2	EA
19	058493-016	BOLT HEXSCREW DIN933 M10 X 16MM 8.8 ZINCPLATED	12	EA

REPAIR PARTS



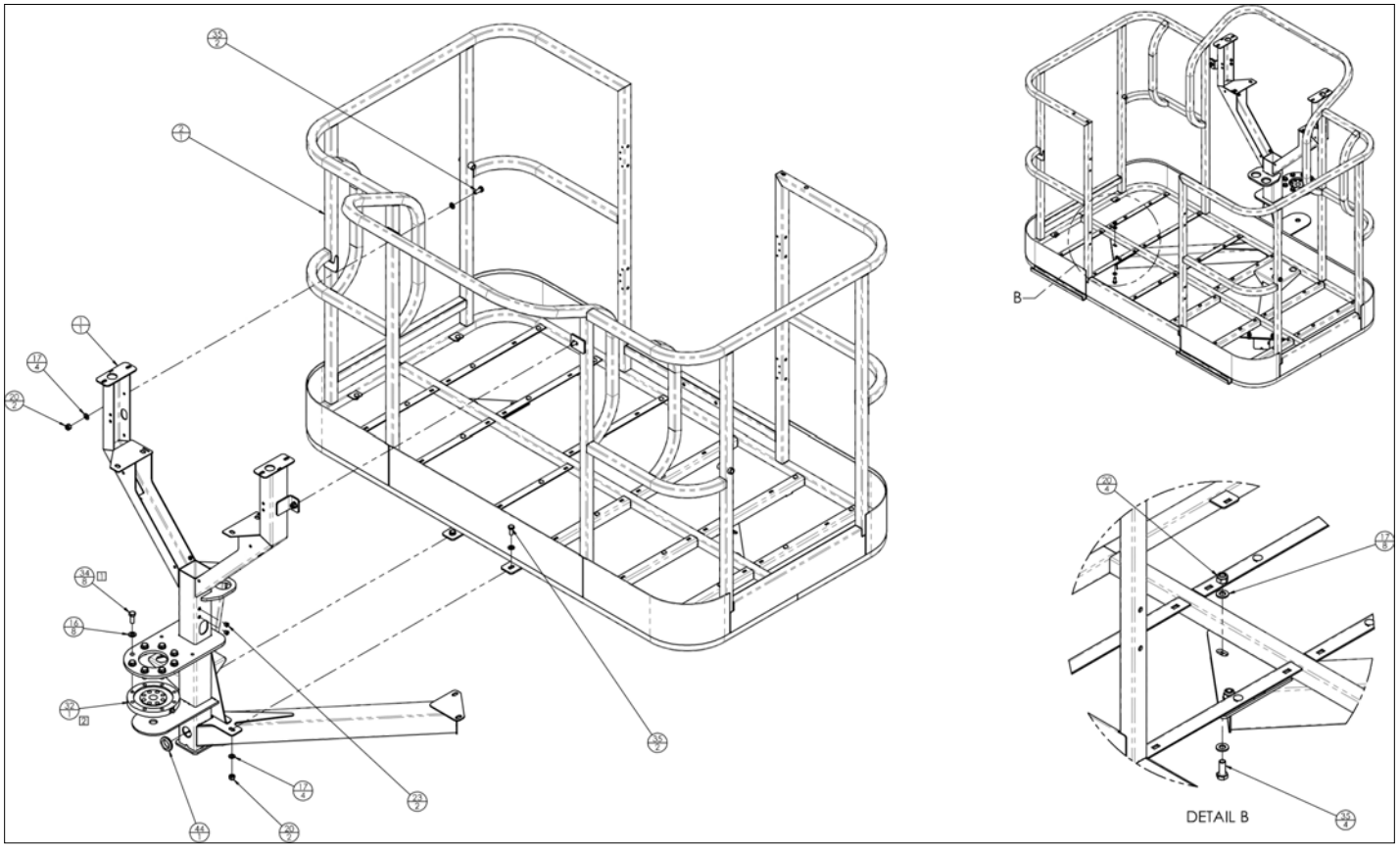
アイテム	部品番号	名前	数量	UOM
-	1433226A	INNER TO BASE BOOM INSTALL 400S/460SJ		EA
1	1433224	BOOM ASSY, BASE, 400/460	1	EA
2	1433225	BOOM ASSY, INNER, 400/460	1	EA
3	1433236	PIN, EXTEND CYL TO BASE BOOM	1	EA
4	5592025	EXT RTNG RING, SPIRAL 1.118 GR	2	EA

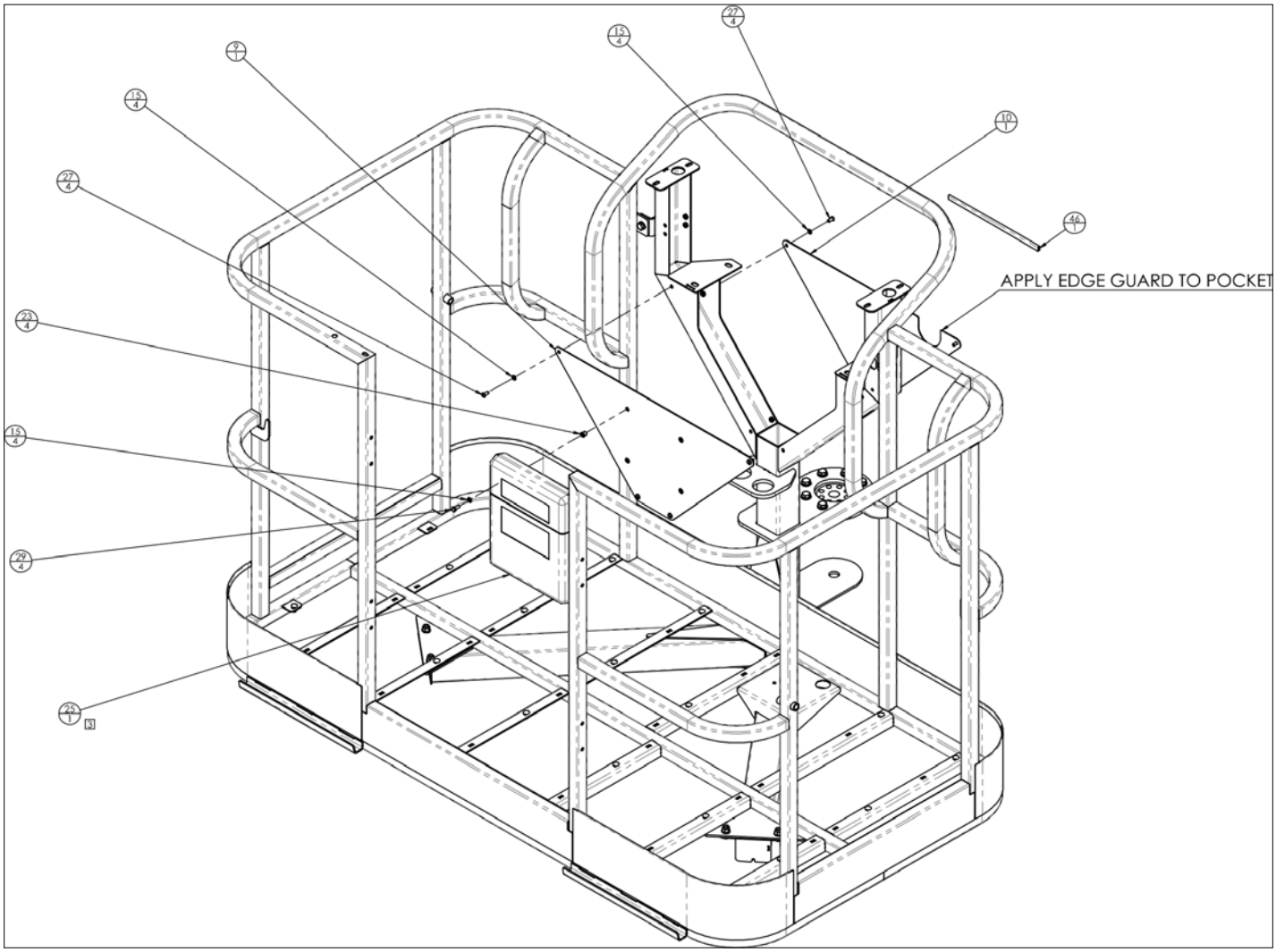
REPAIR PARTS

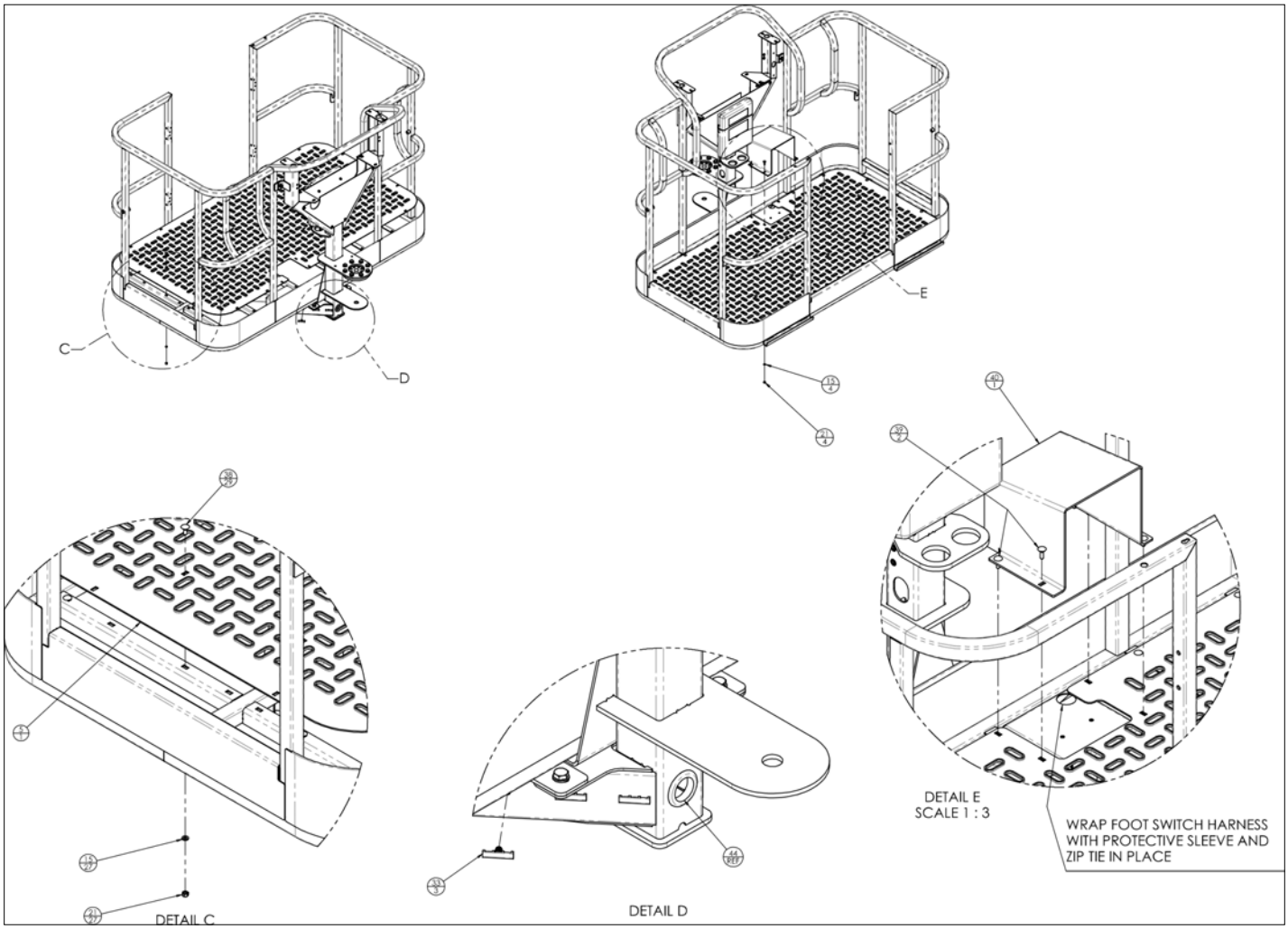


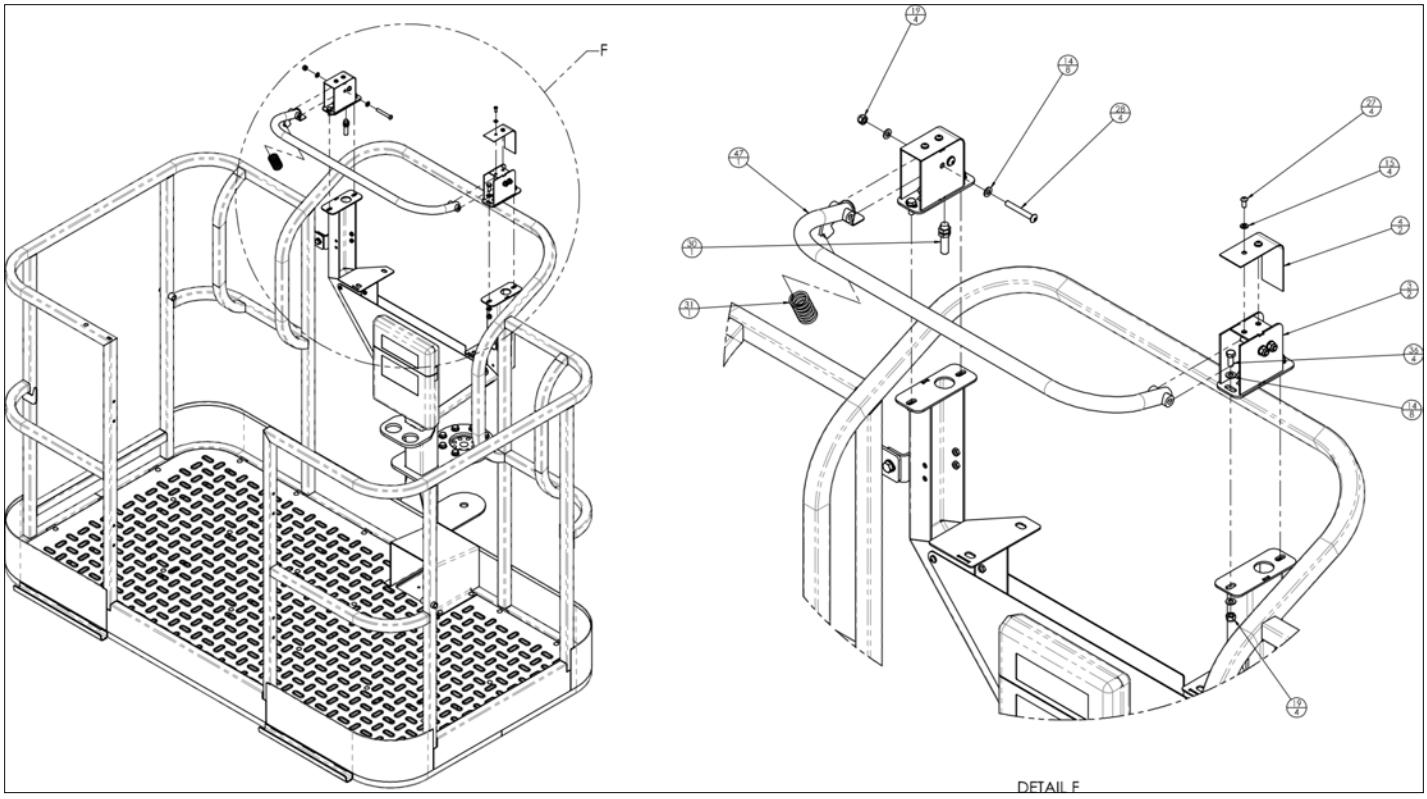
アイテム	部品番号	名前	数量	UOM
-	1432448 E	PLATFORM ROTATOR INSTALLATION 400S 600S MAY 2019 AND AFTER		EA
1	106568-100	TIP BOOM PIVOT PIN	1	EA
2	065214-000	ROD END 3/8"	2	EA
3	106567-100	SLAVE CYL ROD PIN	1	EA
4	058509-040	BOLT HEXBOLT DIN931 M12 X 40MM 10.9 DACROMET	2	EA
5	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	4	EA
6	056059-075	BOLT, HEXBOLT M8 X 75MM 8.8 ZP	2	EA
7	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	4	EA
8	056064-008	NUT HEX M8-1.25 GR10.9 SELF LOCKING DIN 985	2	EA
9	106572-101	ROTARY ACTUATOR	1	EA
10	5111694	FITTING, .031 ORIFICE, -4MORF X, -4FORF	1	EA
11	100434-002	FITTING 4MORFF X 4MORB 90 °	2	EA
12	056064-010	Nut NylockNut DIN985 M10 10.0	2	EA

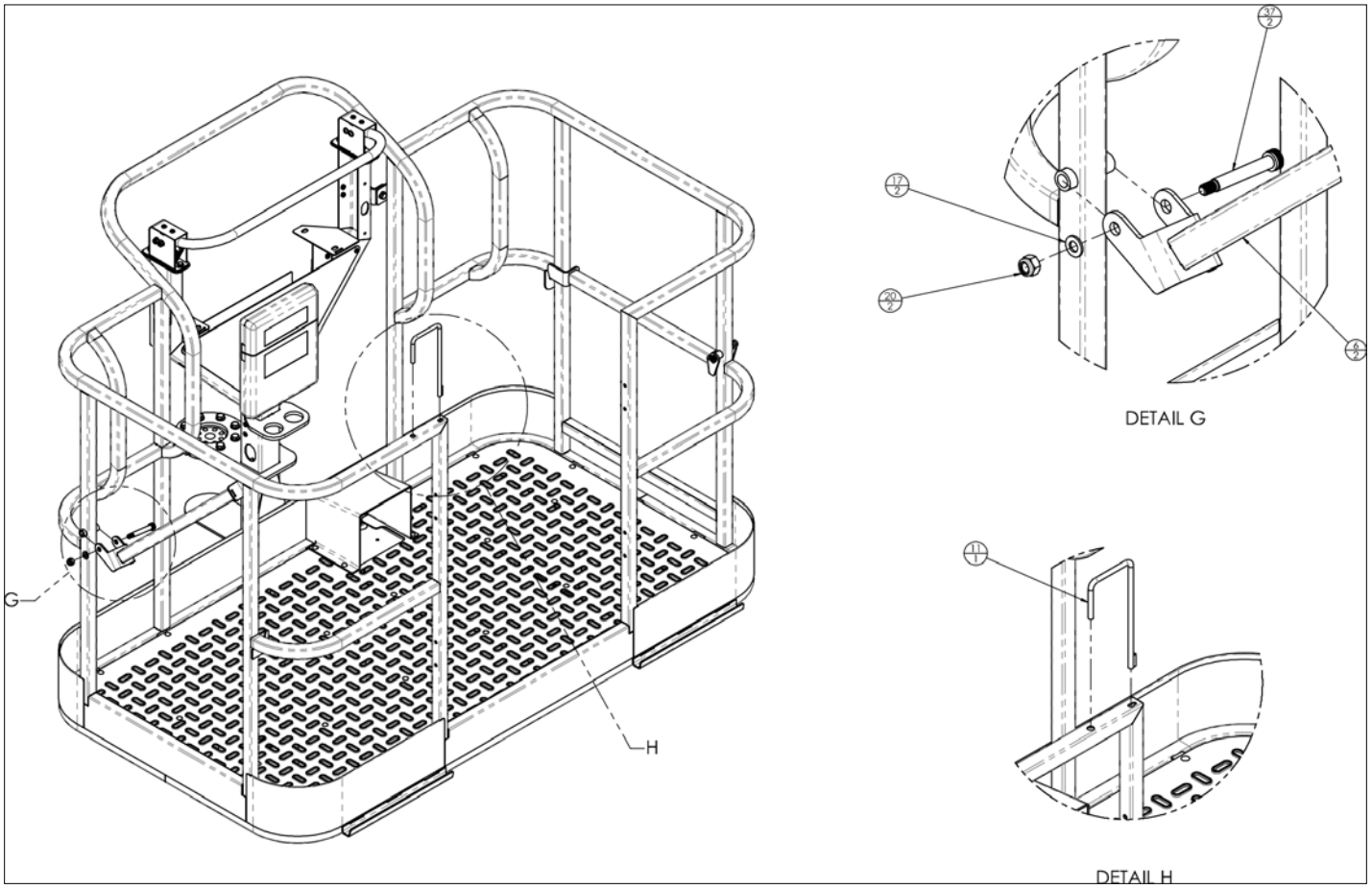
REPAIR PARTS

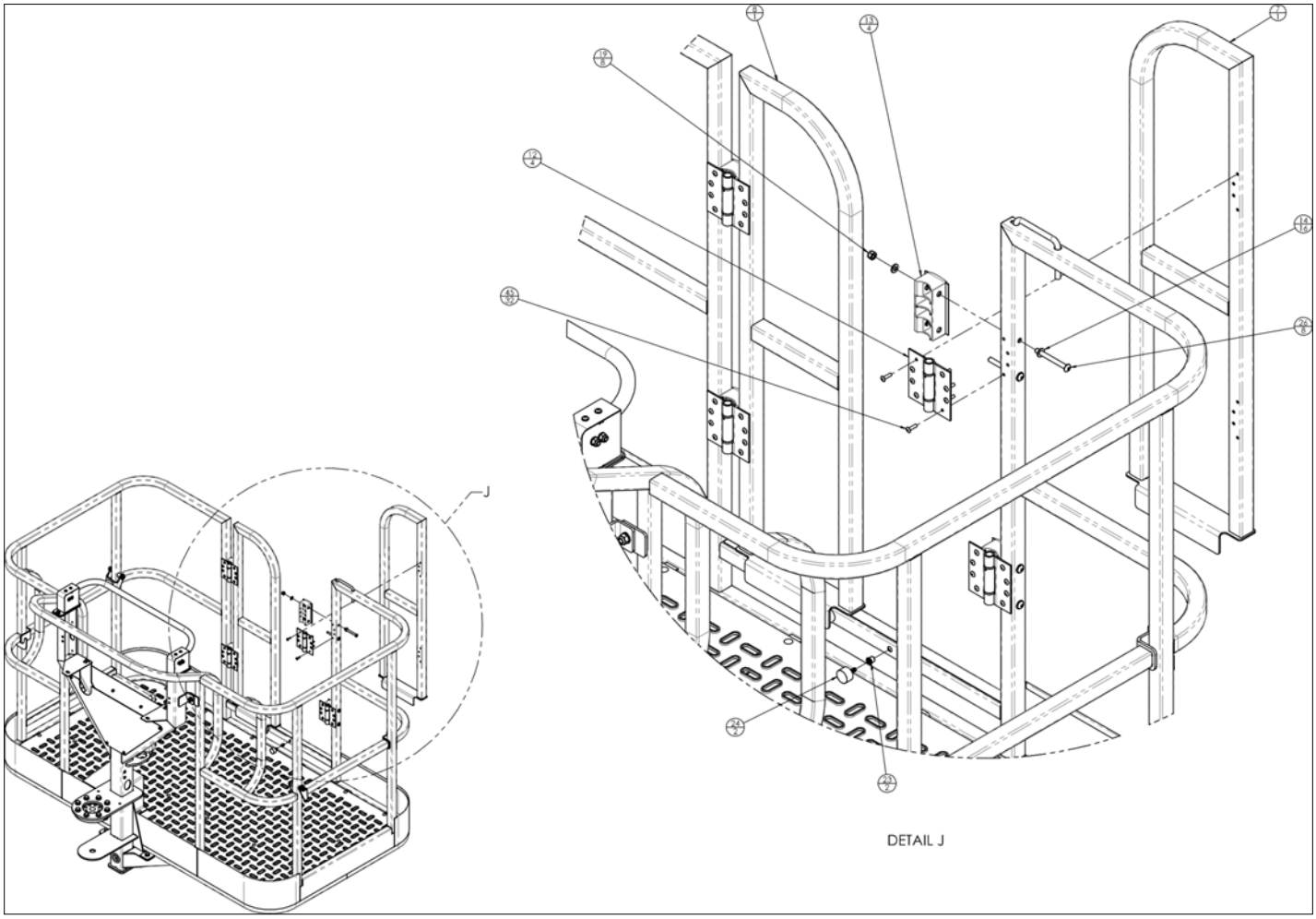


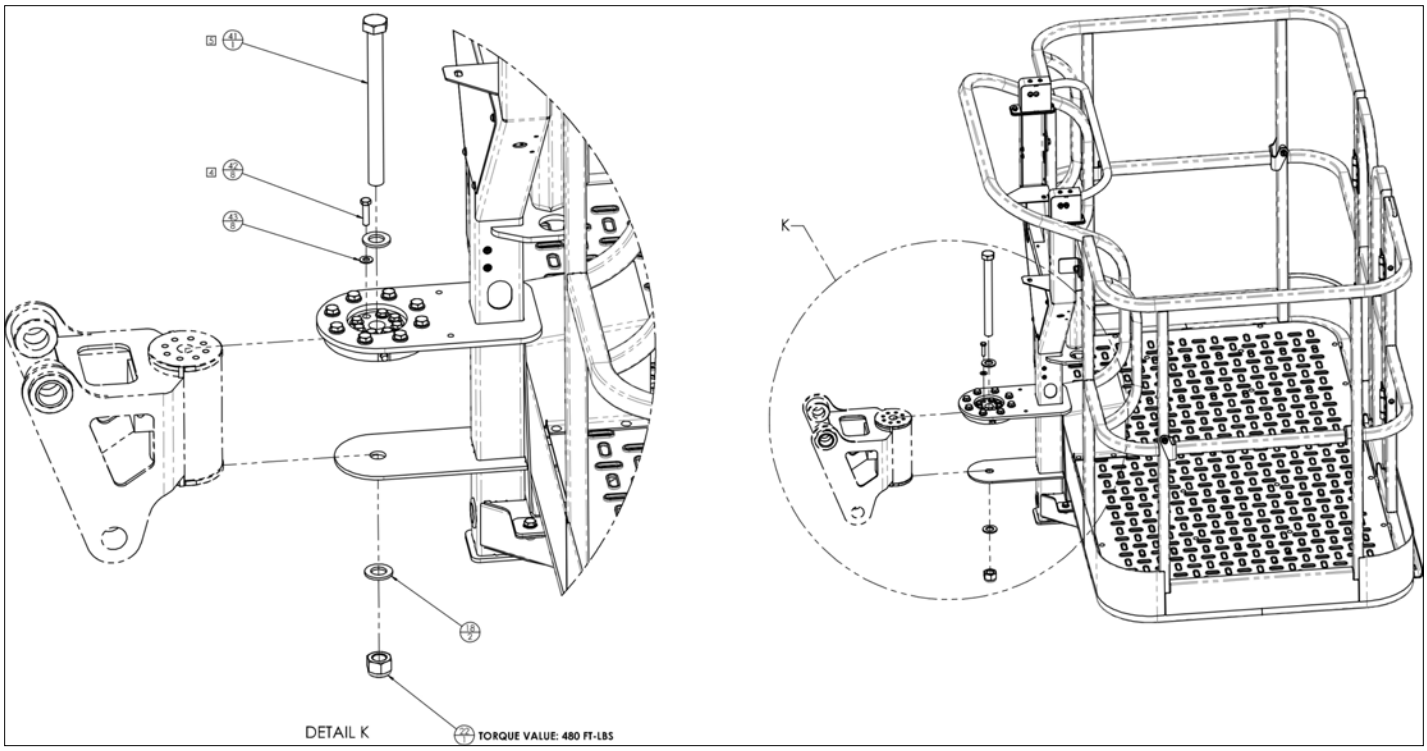

APPLY EDGE GUARD TO POCKET


C
D
E
DETAIL C
DETAIL D
DETAIL E
SCALE 1 : 3
WRAP FOOT SWITCH HARNESS WITH PROTECTIVE SLEEVE AND ZIP TIE IN PLACE


F
DETAIL F


G
H
DETAIL G
DETAIL H


J
DETAIL J

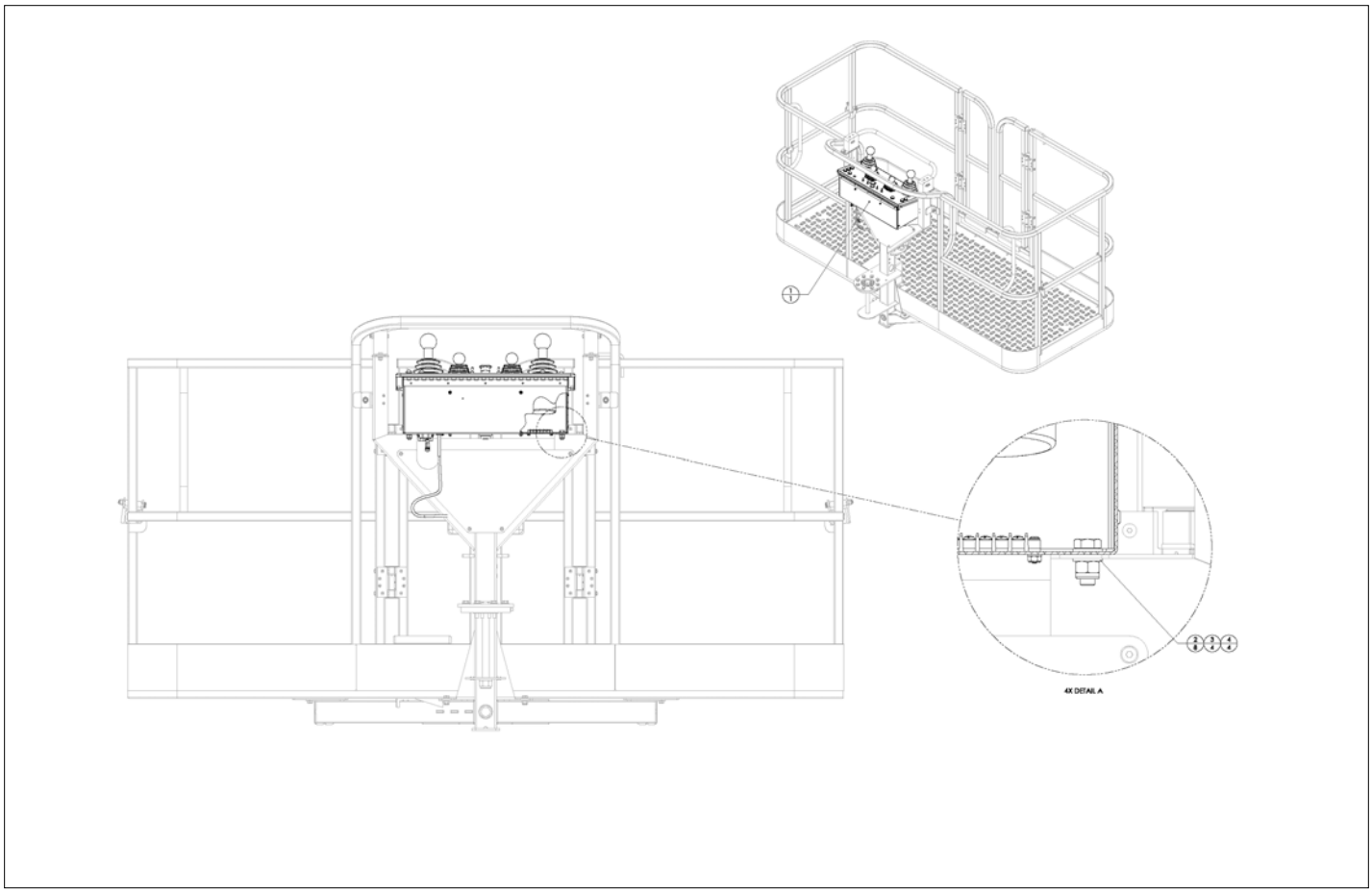

K
DETAIL K
TORQUE VALUE: 480 FT-LBS

アイテム	部品番号	名前	数量	UOM
-	1434497 A	6' WIDE PLATFORM INSTALLATION DECEMBER 2019 AND AFTER		EA
1	1433081-5	PLATFORM MOUNT WELDMENT	1	EA
2	1434499-5	PLATFORM WLDMNT, 6FT	1	EA
3	1433135-5	SNORKELGUARD SUPPORT	2	EA
4	1433140-5	COVER, SNORKELGUARD	2	EA
5	1434498	FLOOR-PLATFORM, ALUMINUM 6FT	1	EA
6	1433141-5	WELDMENT, SIDE GATE	2	EA
7	1434255-5	SALOON GATE-LEFT	1	EA
8	1434256-5	SALOON GATE-RIGHT	1	EA
9	1433145-5	COVER, PLATFORM, REAR	1	EA
10	1433146-5	COVER, PLATFORM, FRONT	1	EA
11	1433148-5	HOOK, WELDMENT	1	EA
12	5516359	HINGE, SPRING	4	EA
13	1501844	BUMPER, GATES	4	EA
14	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	32	EA
15	056069-006	WSHR STEELFLATWSHE M6 DIN125A	47	EA
16	056069-012	WASHER DIN125A M12 ZP	8	EA
17	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	18	EA
18	510595-024	WASHER, FLAT M24 DIN 125	2	EA
19	056064-008	NUT HEX M8-1.25 GR10.9 SELF LOCKING DIN 985	16	EA
20	056064-010	Nut NylockNut DIN985 M10 10.0	10	EA
21	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	31	EA
22	056064-024	Nut, NylockNut DIN985 M24 10.0	1	EA

アイテム	部品番号	名前	数量	UOM
23	5076534	RIVET NUT-M6X1.0,4.2 GRIP	8	EA
24	5563642	BUMPER-RUBBER M6X1.0	2	EA
25	562386	Literature Compartment	1	EA
26	500595-075	Bolt, SktButCapScrew DIN9427 M	8	EA
27	5563280	SBHCS M6 X 1.0 X 14 GR 12.9 ZP	12	EA
28	10504-060	BUTTON HEAD HEX M8-1.25 X 60MM	4	EA
29	512630-016	BOLT, HEXBOLT DIN933 M6 x 16mm 10.9 ZINCPLATED	4	EA
30	3028844	IFS241 (IFM PROXY)	1	EA
31	0113530	SPRING ANTI-ENTRAPMENT	1	EA
32	3030188	OVERLOAD SENSOR PLATE	1	EA
33	3220344	CLIP-HARNESS .04-.25 THK	3	EA
34	5563508	BOLT HEXBOLT DIN931 M12 X 1.75 X 30 10.11	8	EA
35	058493-025	HHCS M10 X 25MM GR10.9 DIN933	8	EA
36	510681-020	HHCS M8X1.25X20 G10.9 ISO 4014 DIN 933	4	EA
37	5563940	BLT SHDR SKTHD 12MMx70xM10x1.5	2	EA
38	5563934	BLT CRG M6-1.0x16LG GR8.8 ZINCPLATED	29	EA
39	5563980	BLT CRG M6-1.0 X 20 LG GR8.8 ZP	2	EA
40	1433470-5	COVER-FOOTSWITCH	1	EA
41	512649-280	BOLT,HexBolt,DIN931,M24 x 280m	1	EA
42	5563422	BLT HEXHD .375-16x1.50 GR8 ZP	8	EA
43	5560222	WSHR FLAT HARD .375 SP	8	EA
44	5563883	GROMMET 1.5 ID X 1.875OD	1	EA
45	5563973	POP RIVET .188 X .13 -.25 ST	32	EA

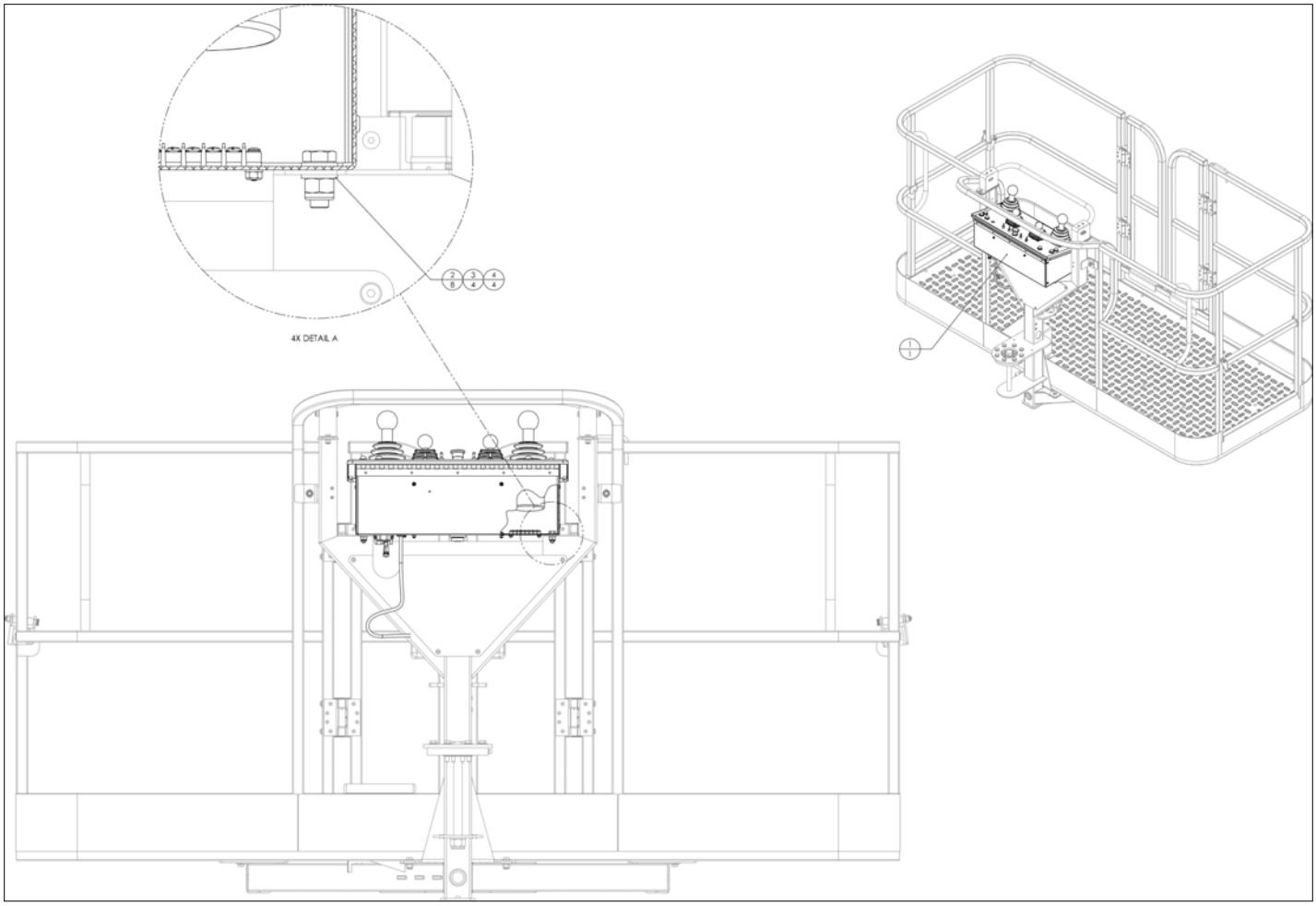
アイテム	部品番号	名前	数量	UOM
46	9920035	TRIMSEAL X3/16G TRIM LOK	1	EA
47	1433131-5	SNORKELGUARD TUBE WELDMENT	1	EA

REPAIR PARTS



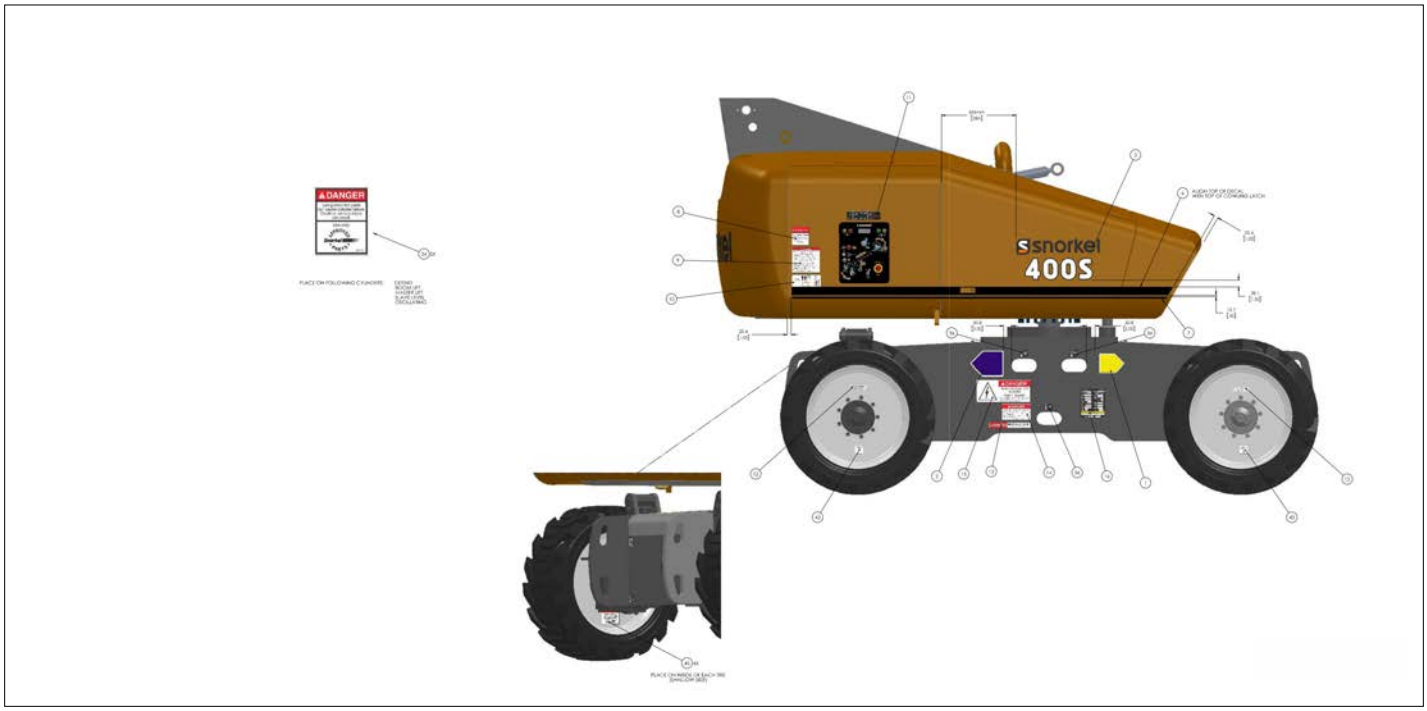
アイテム	部品番号	名前	数量	UOM
*	1434104 A	UPPER CONTROL BOX INSTALLATION DEUTZ STAGE 5 400S 600S		EA
1	1434147	ASSY, UPPR CTRL BX 400/600 DEU	1	EA
2	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	8	EA
3	058493-025	HHCS M10 X 25MM GR10.9 DIN933	4	EA
4	056064-010	Nut NylockNut DIN985 M10 10.0	4	EA

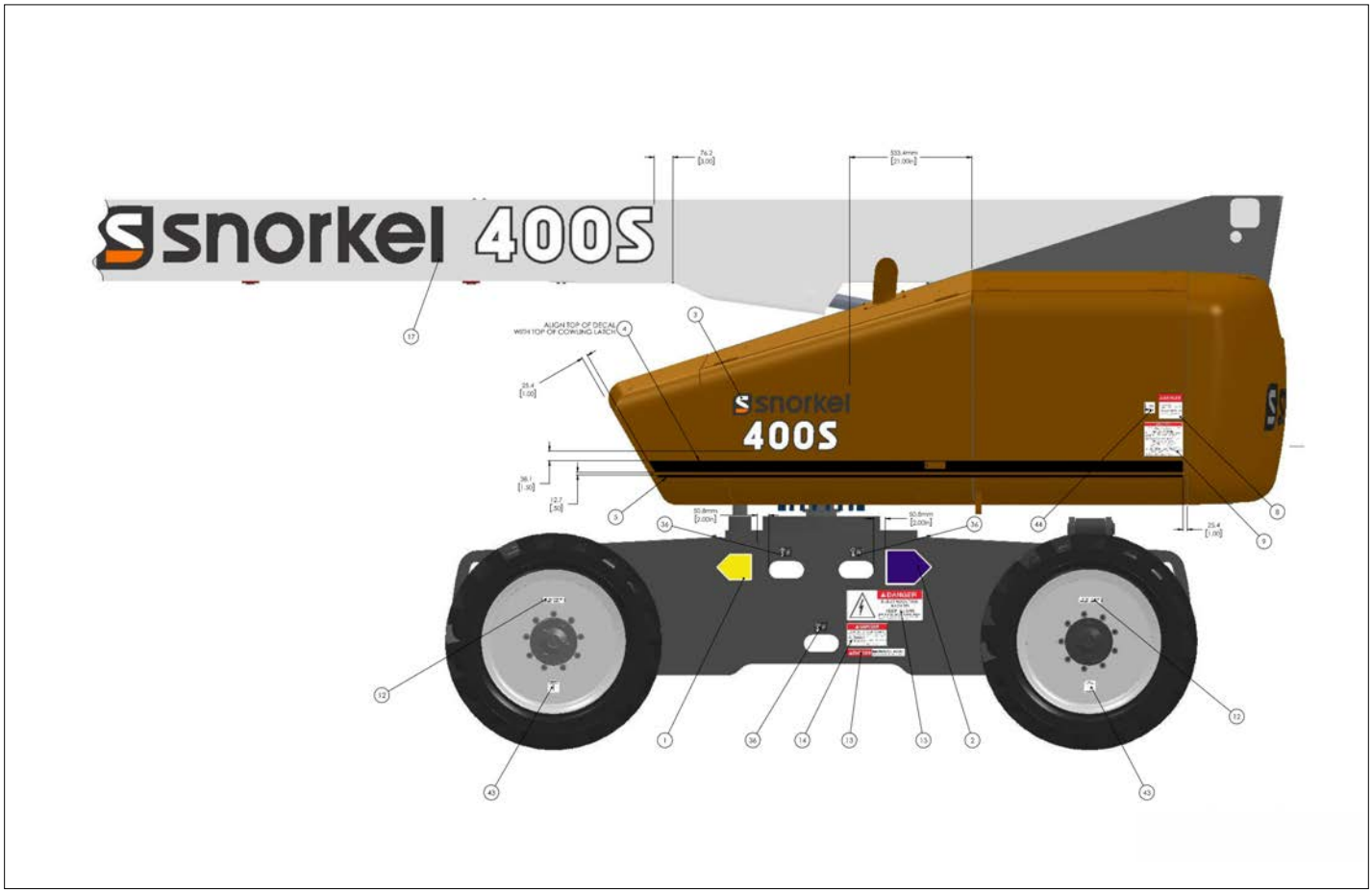
REPAIR PARTS

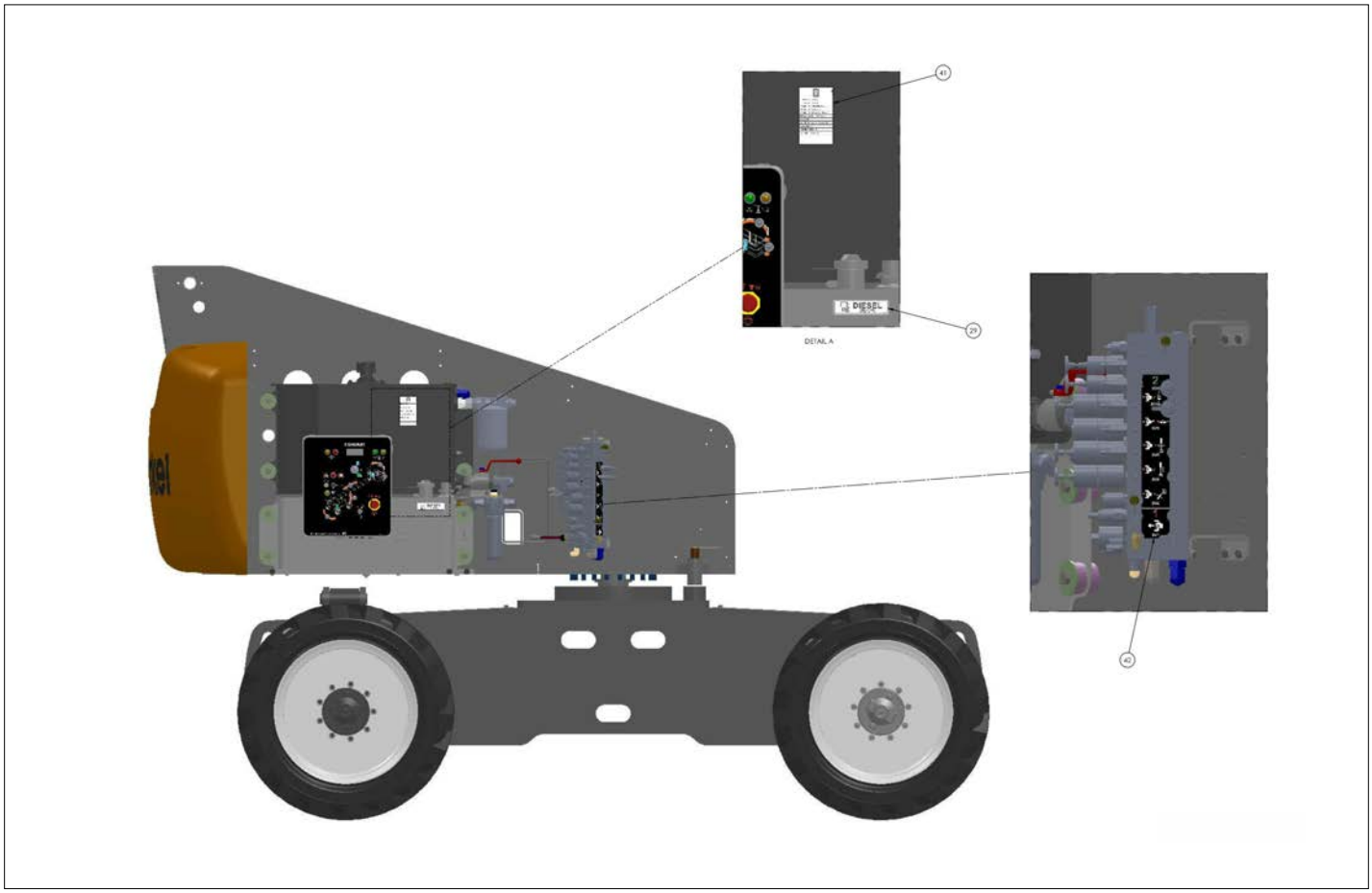


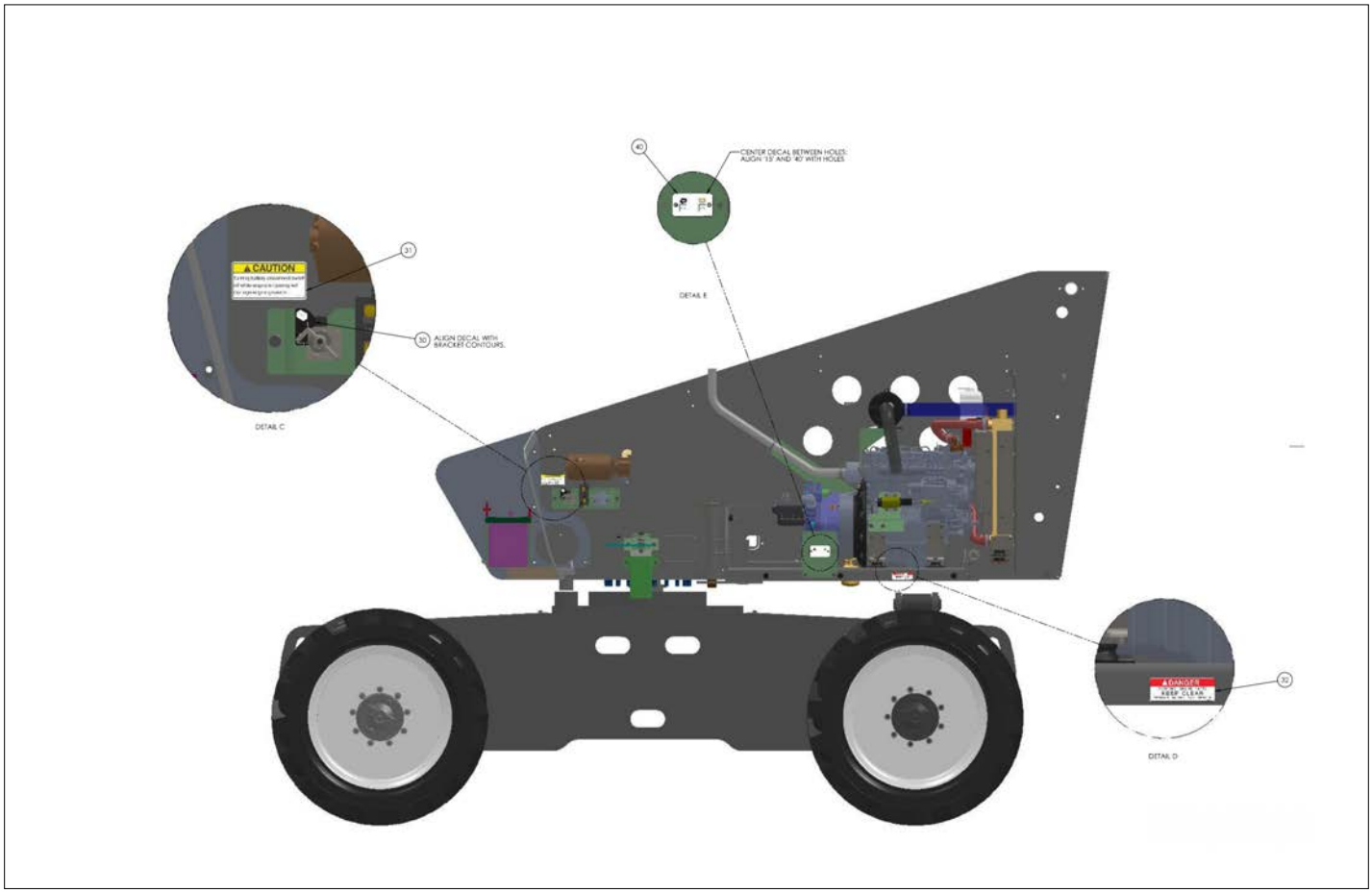
アイテム	部品番号	名前	数量	UOM
*	1434105 A	UPPER CONTROL BOX INSTALLATION DEUTZ T4F 400S MARCH 2020 AND AFTER		EA
1	1434145	ASSY, UPPR CTRL BX, 400/600	1	EA
2	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	8	EA
3	058493-025	HHCS M10 X 25MM GR10.9 DIN933	4	EA
4	056064-010	Nut NylockNut DIN985 M10 10.0	4	EA

REPAIR PARTS

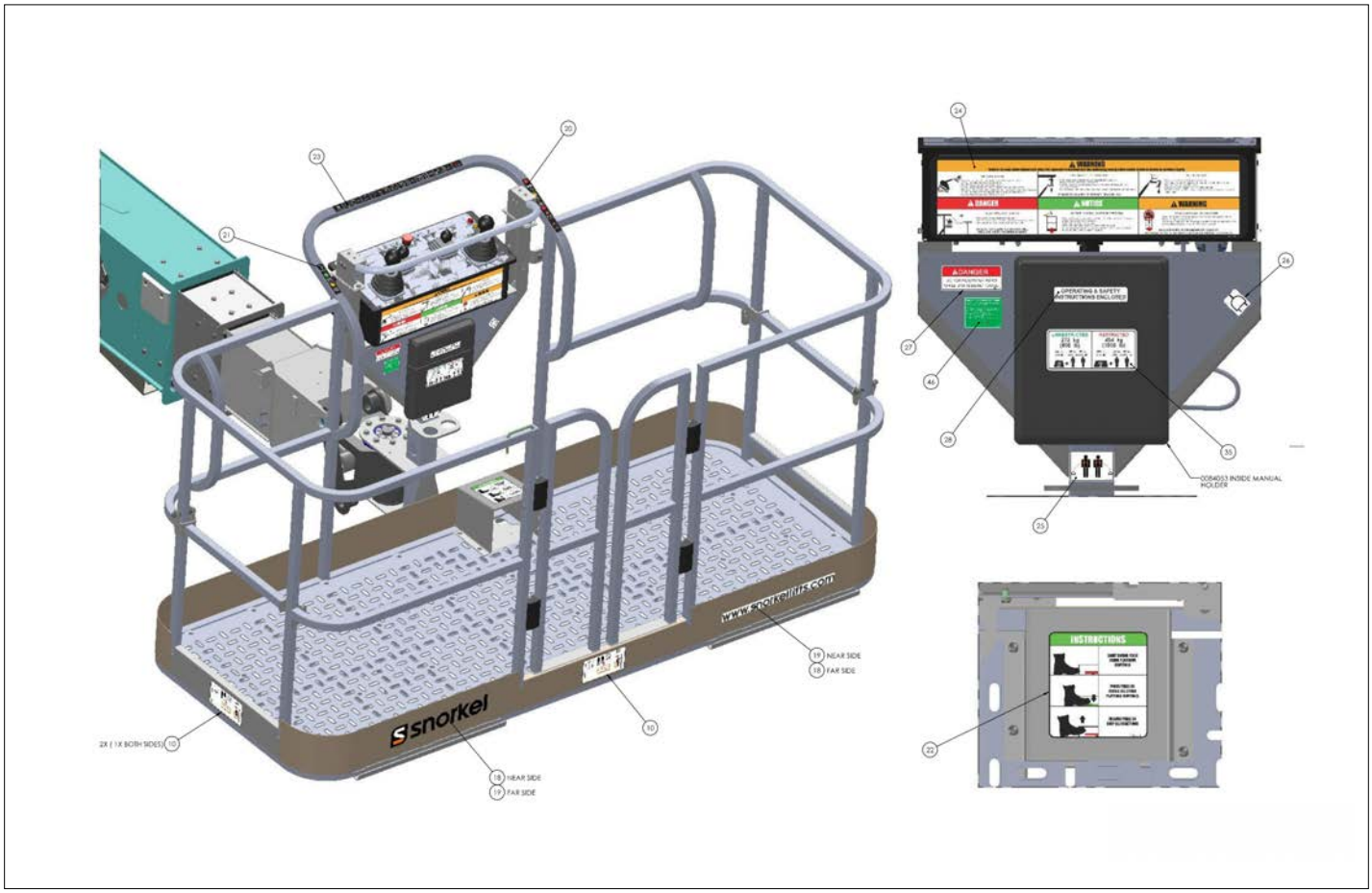



snorkel 400S
snorkel
400S


41
29
DETAIL A
42


40
CENTER DECAL BETWEEN HOLES. ALIGN "13" AND "40" WITH HOLES
DETAIL E
CAUTION
31
30
ALIGN DECAL WITH BRACKET CONTOURS.
DETAIL C
DANGER
32
DETAIL D

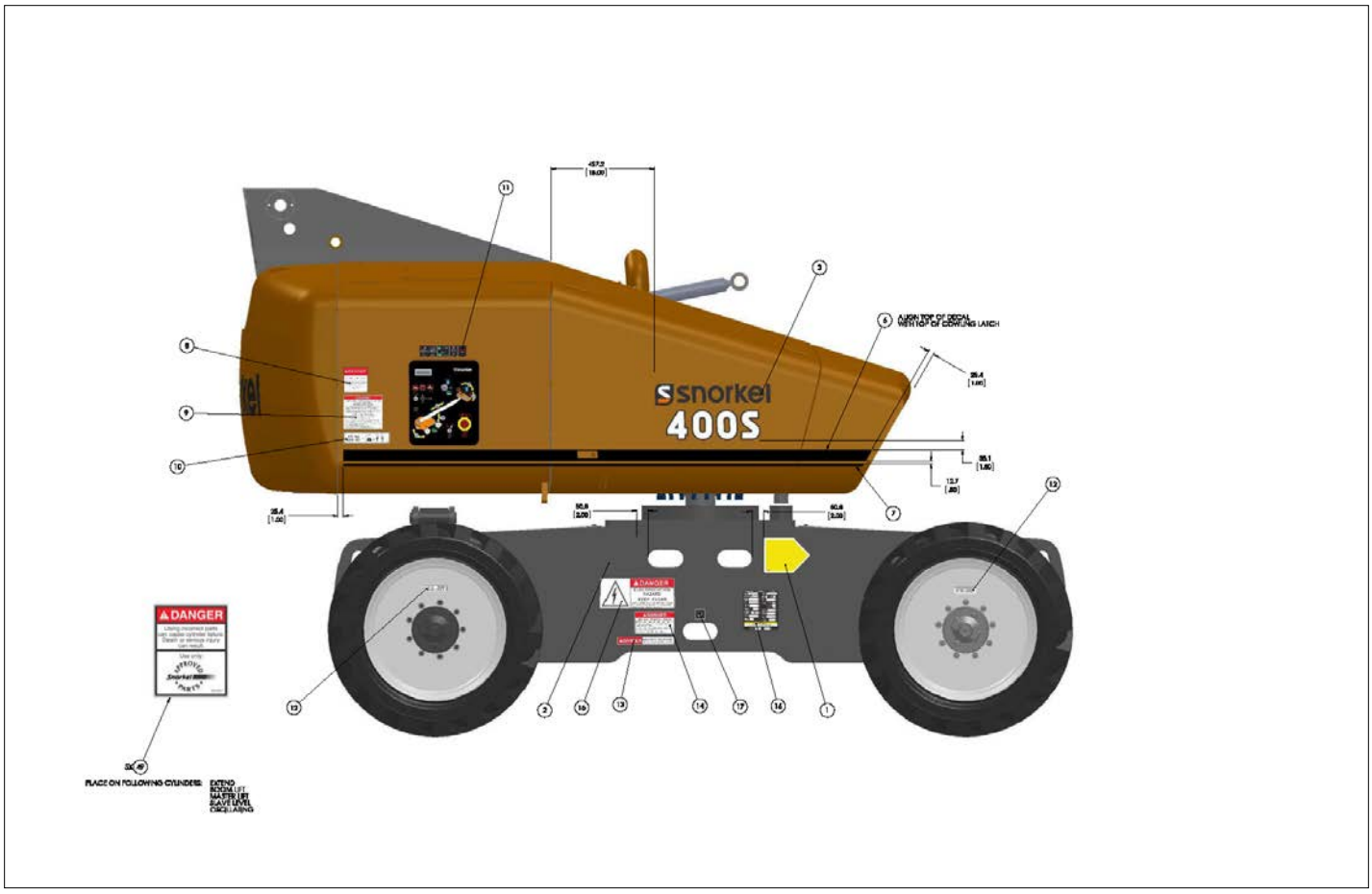

snorkel

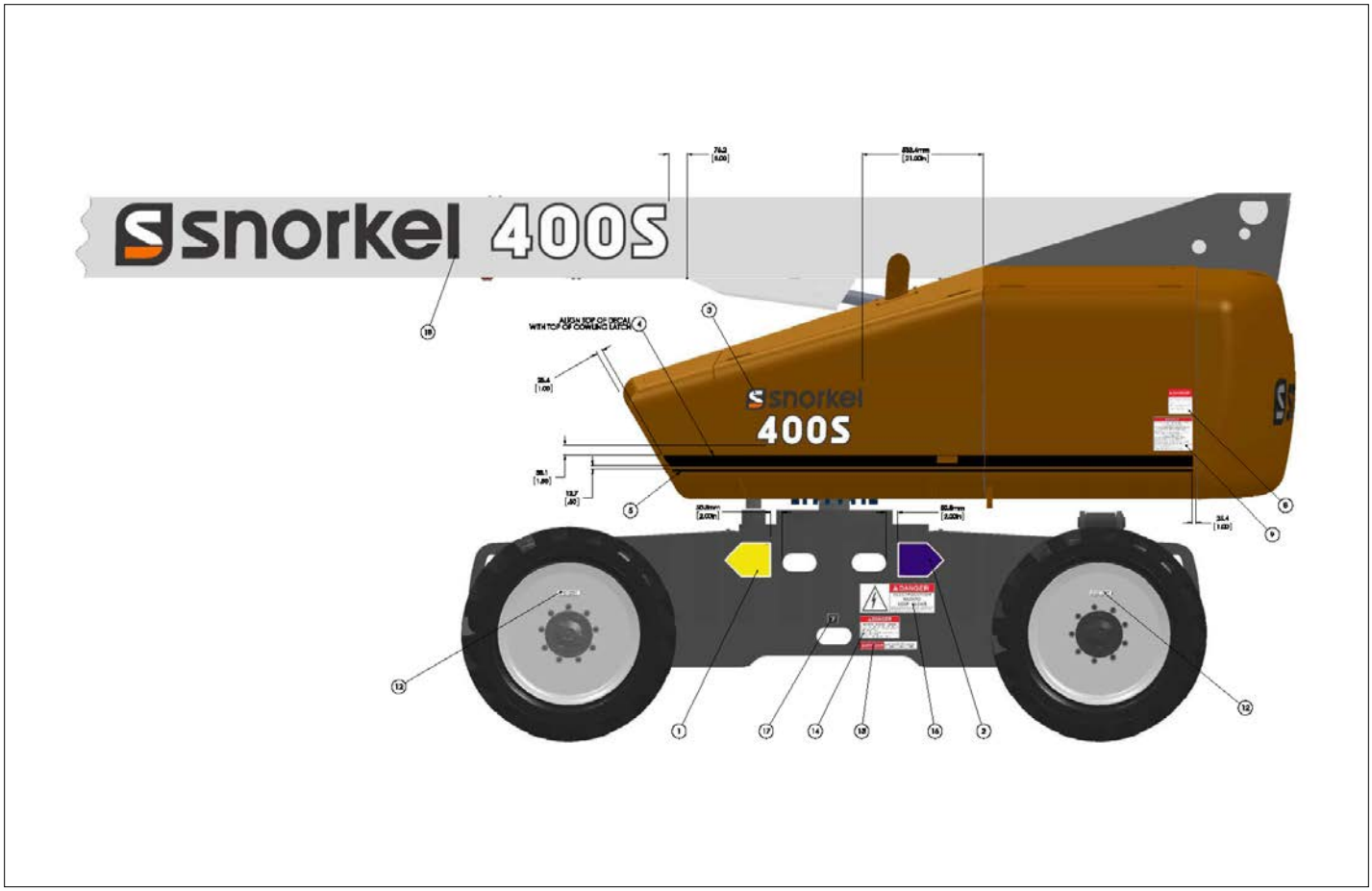

snorkel
INSTRUCTIONS

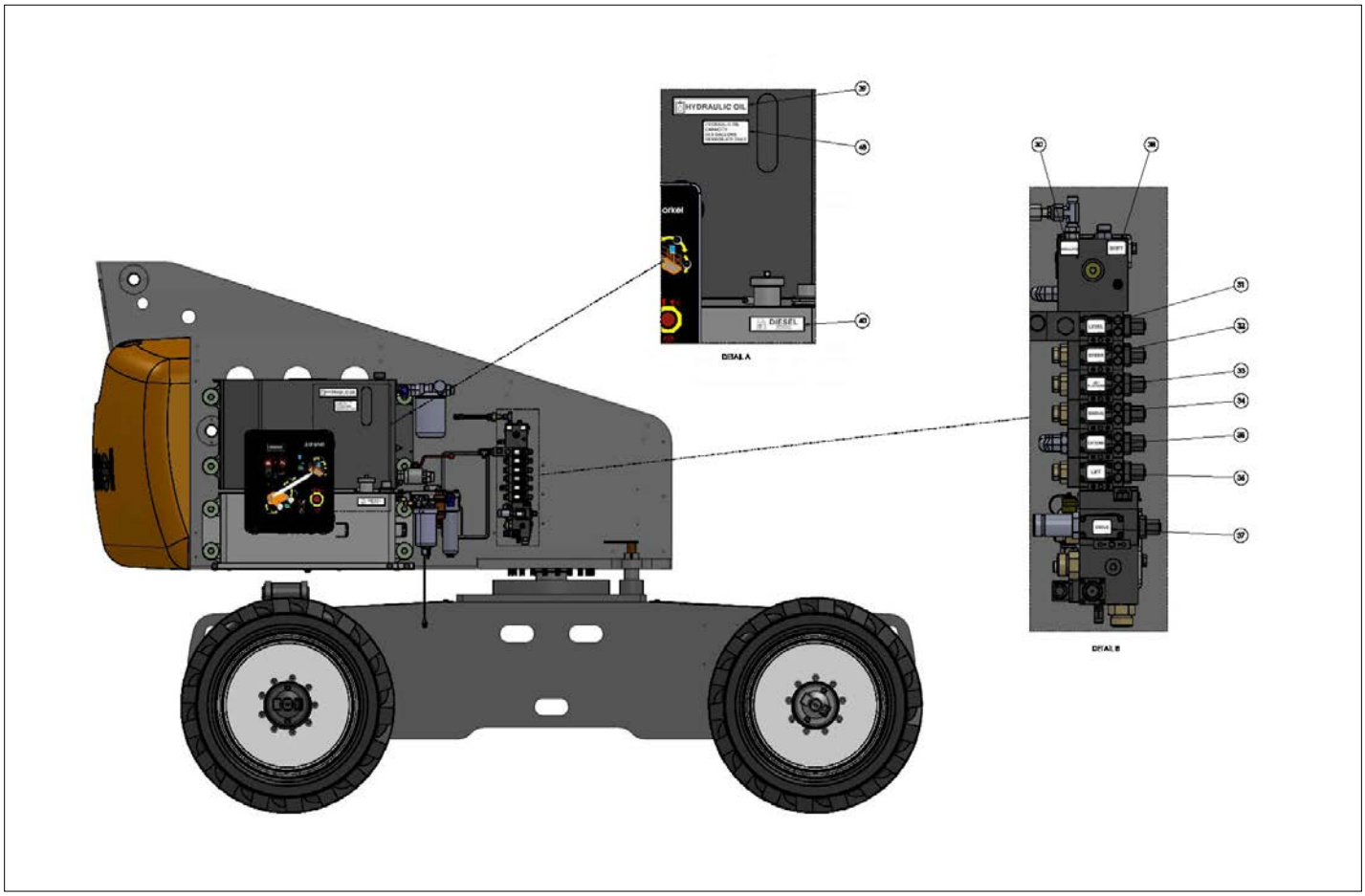
アイテム	部品番号	名前	数量	UOM
-	1434556 A	DECAL INSTALLATION ANSI KUBOTA 400S		EA
1	0070540	DECAL, YELLOW ARROW	5	EA
2	0070541	DECAL, BLUE ARROW	5	EA
3	1433555	DECAL, SNORKEL 400S COWLING	2	EA
4	1432803	DECAL 2" STRIPE RIGHT	1	EA
5	1432804	DECAL 1/2" STRIPE RIGHT	1	EA
6	1432801	DECAL 2" STRIPE LEFT	1	EA
7	1432702	BRACKET-AIRLINE PLATFORM	1	EA
8	0323897	Decal, Must Not Operate	2	EA
9	0074210	DECAL, DANGER ELEC/TIP HAZARD	2	EA
10	1432798	DECAL WEIGHT CAPACITY	4	EA
11	1433540	DECAL, GRND CTRL SYMBOLS	1	EA
12	7030171	DECAL, WHEEL TORQUE	4	EA
13	0072531	DECAL, ELECTROCUTION HAZ	2	EA
14	0073298	Decal, Foam Tyres	2	EA
15	0323896	DECAL DNGR ELEC HAZARD	2	EA
16	0070901	Serial Number Plate, US Machines	1	EA
17	1433557	DECAL, SNORKEL 400S BOOM	1	EA
18	569295	DECAL, SNORKEL BRAND LOGO 3.00	2	EA
19	7030068	DECAL, SNORKELLIFTS.COM	2	EA
20	1433539	DECAL, PLTFRM LGTS	1	EA
21	1433538	DECAL, PLTFRM CAP LGT	1	EA
22	1433544	DECAL, FOOT SWITCH OPERATION	1	EA
23	1433537	DECAL, PLTFRM SYMBOLS	1	EA
24	1433541	DECAL, PLTFRM CTRL WARNING	1	EA

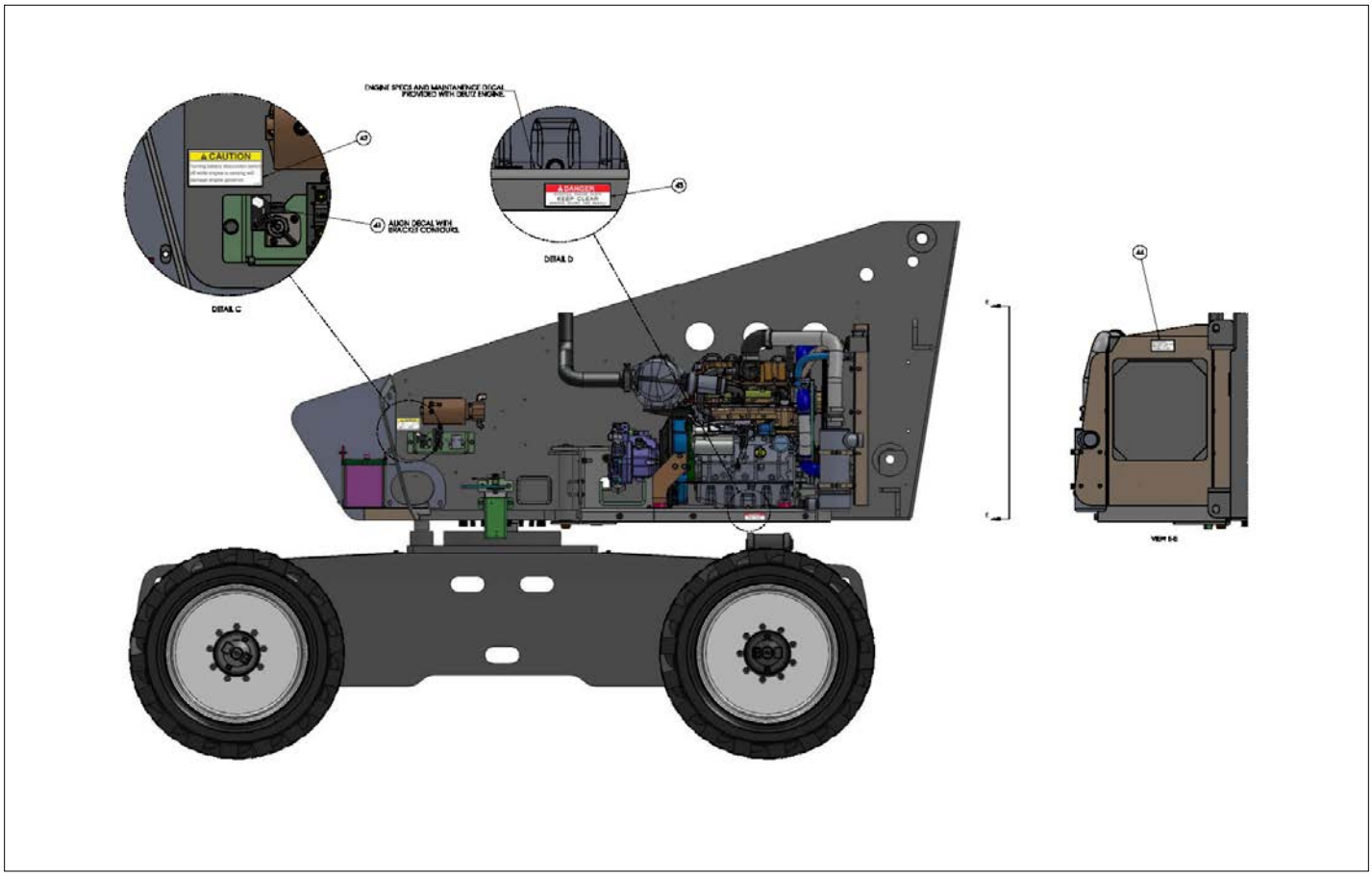
アイテム	部品番号	名前	数量	UOM
25	1433772	DECAL, HARNESS TETHER, TWO-MAN	1	EA
26	0075921	DECAL, POWER TO PLATFORM	1	EA
27	0082164	DECAL DNGR DO NOT RIDE PLATF	1	EA
28	0075899	DECAL, OPERATING & SAFETY INST	1	EA
29	0113885	DECAL DIESEL ULTRA LOW SULFER	1	EA
30	7030194	DECAL BATTERY ON/OFF	1	EA
31	0074316	DECAL, CAUTION GOVERNOR DAMAGE	1	EA
32	0151410	DECAL, DANGER ROTATING PARTS	1	EA
33	0190989	DECAL DNGR DO NOT REACH	1	EA
34	0074311	DECAL DANGER CYLINDER FAILURE	5	EA
35	1433729	DECAL, WEIGHT FOR DUAL CAPACTY	1	EA
36	0083427	Decal, Lifting/Tie Down	6	EA
37	1433748	DECAL, ANCHOR LIFT	2	EA
38	1433682	MANUAL OPERATOR 400S ANSI	1	EA
40	1434555	DECAL, GLOW PLUG/THROTTLE	1	EA
41	18086-002	LABEL, HYDRAULIC OIL	1	EA
42	1434558	DECAL, MANIFOLD FUNCTIONS	1	EA
43	0113990	DECAL, MAXIMUM WHEEL LOAD, 400	4	EA
44	0182639	DECAL, NOISE LWA, 90-95 DB, KU	1	EA
45	106717-003	decal, danger wheel position -CE ONLY	4	EA
46	0161819	DECAL EMER LOWERING PROCEDURE	1	EA
47	0084053	MANUAL RESPONSIBILITY A92.5-2006 AN	1	EA

REPAIR PARTS

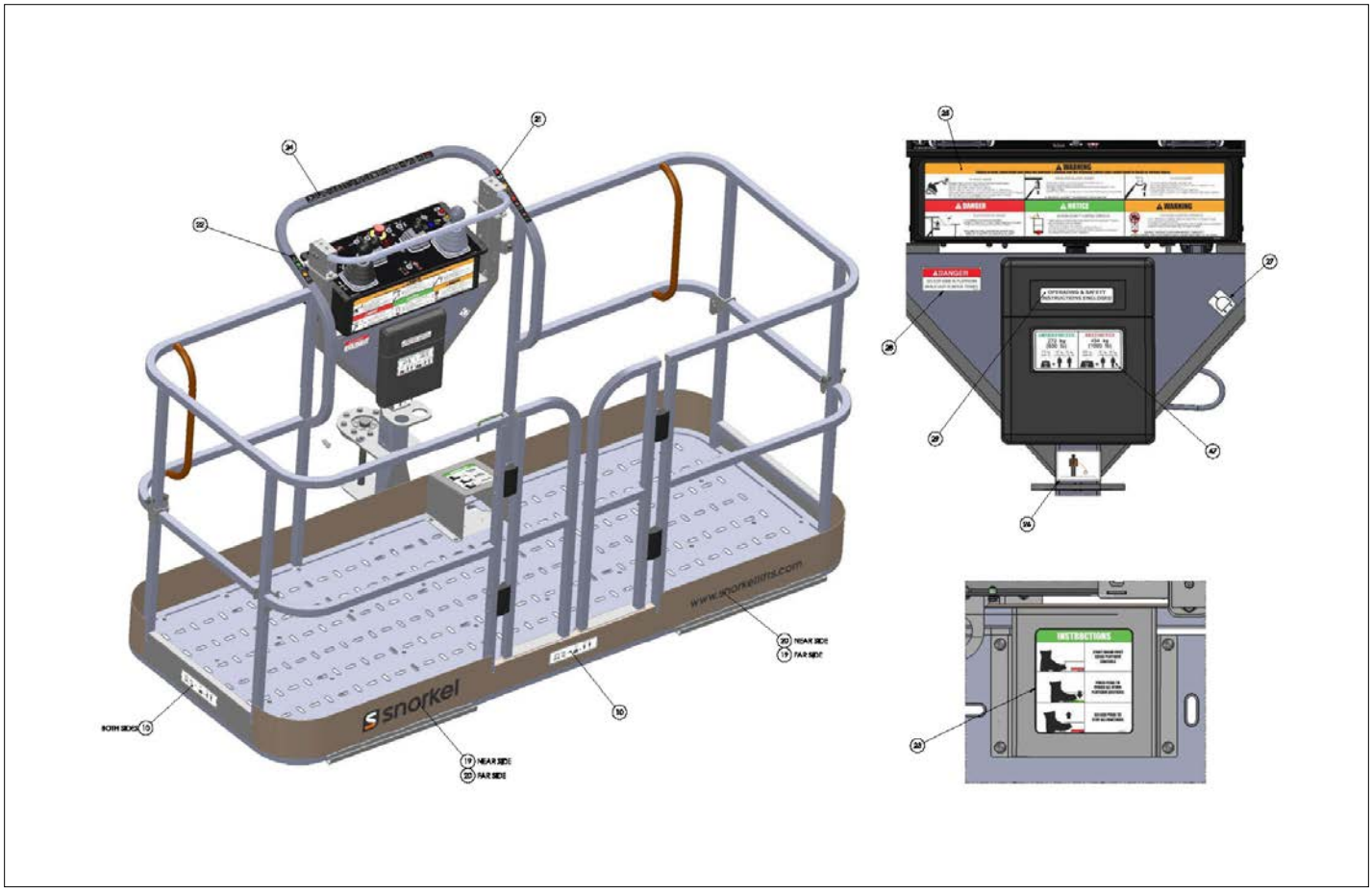



snorkel 400S
snorkel
400S
DANGER


HYDRAULIC OIL
DIESEL
DETAIL A
DETAIL B


ENGINE SPECS AND MAINTANENCE DECAL PROVIDED WITH DEUTZ ENGINE.
CAUTION
DANGER
KEEP CLEAR
DETAIL C
DETAIL D


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INSTRUCTIONS

アイテム	部品番号	名前	数量	UOM
-	1433301A	DECAL INSTALL 400S		EA
1	0070540	DECAL, YELLOW ARROW	5	EA
2	0070541	DECAL, BLUE ARROW	5	EA
3	1433555	DECAL, SNORKEL 400S COWLING	2	EA
4	1432803	DECAL 2" STRIPE RIGHT	1	EA
5	1432804	DECAL 1/2" STRIPE RIGHT	1	EA
6	1432801	DECAL 2" STRIPE LEFT	1	EA
7	1432802	DECAL 1/2" STRIPE LEFT	1	EA
8	0323897	Decal, Must Not Operate	2	EA
9	0074210	DECAL, DANGER ELEC/TIP HAZARD	2	EA
10	1431454	DECAL WEIGHT CAPACITY	4	EA
11	1433540	DECAL, GRND CTRL SYMBOLS	1	EA
12	7030171	DECAL, WHEEL TORQUE	4	EA
13	0072531	DECAL, ELECTROCUTION HAZ	2	EA
14	0073298	Decal, Foam Tyres	2	EA
15	0323896	DECAL DNGR ELEC HAZARD	2	EA
16	0070901	Serial Number Plate, US Machines	1	EA
17	0083426	Decal, Lifting and Tie Down	6	EA
18	1433557	DECAL, SNORKEL 400S BOOM	1	EA
19	569295	DECAL, SNORKEL BRAND LOGO 3.00	2	EA
20	7030068	DECAL, SNORKELLIFTS.COM	2	EA
21	1433539	DECAL, PLTFRM LGTS	1	EA
22	1433538	DECAL, PLTFRM CAP LGT	1	EA
23	1433544	DECAL, FOOT SWITCH OPERATION	1	EA
24	1433537	DECAL, PLTFRM SYMBOLS	1	EA
25	1433541	DECAL, PLTFRM CTRL WARNING	1	EA

アイテム	部品番号	名前	数量	UOM
26	0150448	DECAL ATTACH FALL RESTRAINT	1	EA
27	0075921	DECAL, POWER TO PLATFORM	1	EA
28	0082164	DECAL DNGR DO NOT RIDE PLATF	1	EA
29	0075899	DECAL, OPERATING & SAFETY INST	1	EA
30	0075895	DECAL, MANIFOLD OSCILLATE	1	EA
31	0075893	DECAL, MANIFOLD LEVEL	1	EA
32	0075892	DECAL, MANIFOLD STEER	1	EA
33	0075891	DECAL, MANIFOLD JIB/PLATFORM	1	EA
34	0075890	DECAL, MANIFOLD SWING	1	EA
35	0075889	DECAL, MANIFOLD EXTEND	1	EA
36	0075888	DECAL, MANIFOLD LIFT	1	EA
37	0075887	DECAL, MANIFOLD DRIVE	1	EA
38	0075894	DECAL, MANIFOLD SHIFT	1	EA
39	0071927	DECAL, HYDRAULIC OIL	1	EA
40	0113885	DECAL DIESEL ULTRA LOW SULFER	1	EA
41	7030194	DECAL BATTERY ON/OFF	1	EA
42	0074316	DECAL, CAUTION GOVERNOR DAMAGE	1	EA
43	0151410	DECAL, DANGER ROTATING PARTS	1	EA
44	1433568	DECAL, COOLANT CAPACITY DEUTZ	1	EA
45	0190989	DECAL DNGR DO NOT REACH	1	EA
46	0074311	DECAL DANGER CYLINDER FAILURE	5	EA
47	1433729	DECAL, WEIGHT FOR DUAL CAPACTY	1	EA
48	1433731	DECAL, HYD CAPACITY 400S/460SJ	1	EA

アイテム	部品番号	名前	数量	UOM
49	0083427	Decal, Lifting/Tie Down	4	EA
50	1433748	DECAL, ANCHOR LIFT	2	EA

REPAIR PARTS

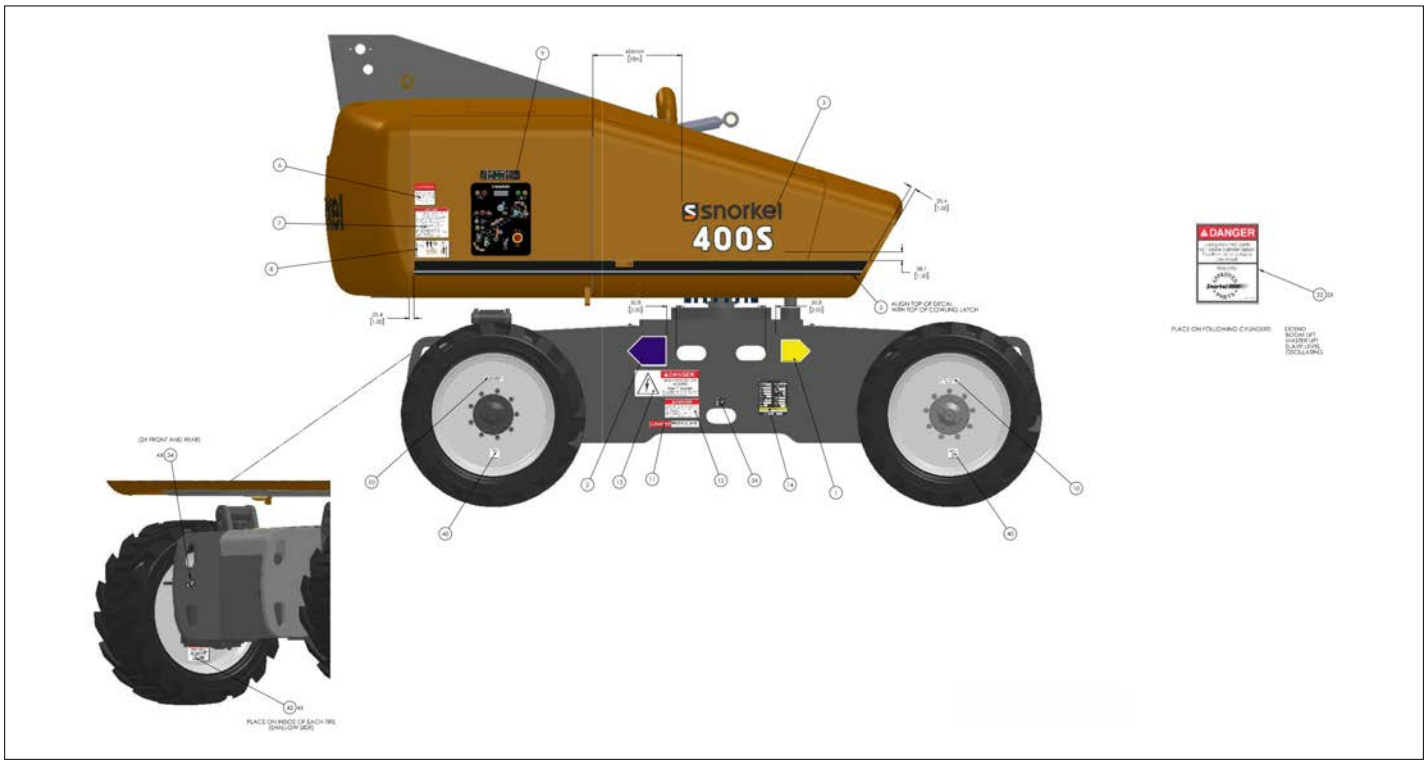


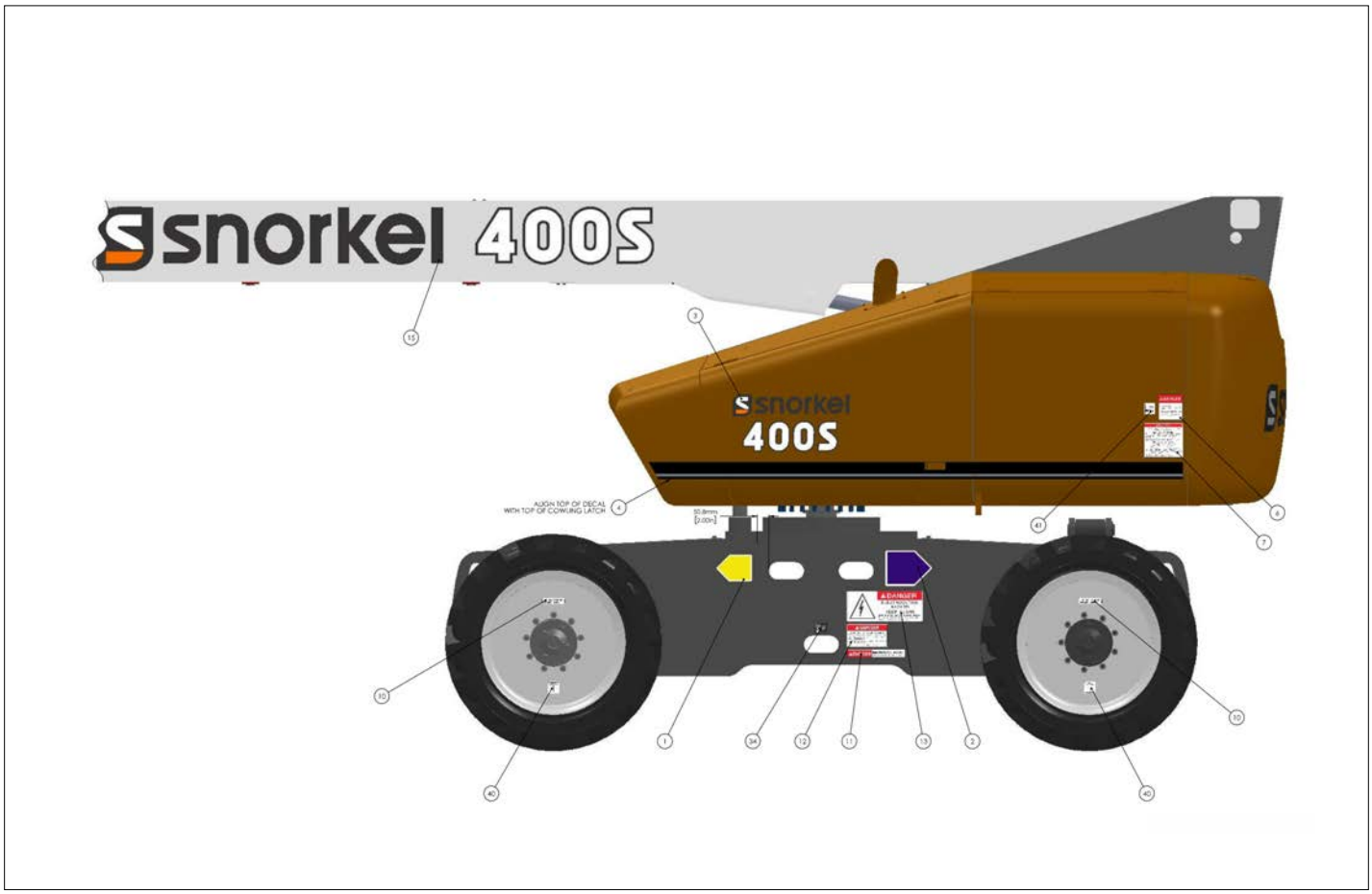
アイテム	部品番号	名前	数量	UOM
-	1463798A	DECAL KIT CE AU EXPORT 400S		EA
1	0070540	DECAL, YELLOW ARROW	5	EA
2	0070541	DECAL, BLUE ARROW	5	EA
3	1433555	DECAL, SNORKEL 400S COWLING	2	EA
4	1432803	DECAL 2" STRIPE RIGHT	1	EA
5	1432804	DECAL 1/2" STRIPE RIGHT	1	EA
6	1432801	DECAL 2" STRIPE LEFT	1	EA
7	1432802	DECAL 1/2" STRIPE LEFT	1	EA
8	0323897	Decal, Must Not Operate	2	EA
9	0074210	DECAL, DANGER ELEC/TIP HAZARD	2	EA
10	1432798	DECAL WEIGHT CAPACITY	4	EA
11	1433540	DECAL, GRND CTRL SYMBOLS	1	EA
12	7030171	DECAL, WHEEL TORQUE	4	EA
13	0072531	DECAL, ELECTROCUTION HAZ	2	EA
14	0073298	Decal, Foam Tyres	2	EA
15	0323896	DECAL DNGR ELEC HAZARD	2	EA
16	0070901	Serial Number Plate, US Machines	1	EA
17	0083426	Decal, Lifting and Tie Down	6	EA
18	1433557	DECAL, SNORKEL 400S BOOM	1	EA
19	569295	DECAL, SNORKEL BRAND LOGO 3.00	2	EA
20	7030068	DECAL, SNORKELLIFTS.COM	2	EA
21	1433539	DECAL, PLTFRM LGTS	1	EA
22	1433538	DECAL, PLTFRM CAP LGT	1	EA
23	1433544	DECAL, FOOT SWITCH OPERATION	1	EA
24	1433537	DECAL, PLTFRM SYMBOLS	1	EA
25	1433541	DECAL, PLTFRM CTRL WARNING	1	EA

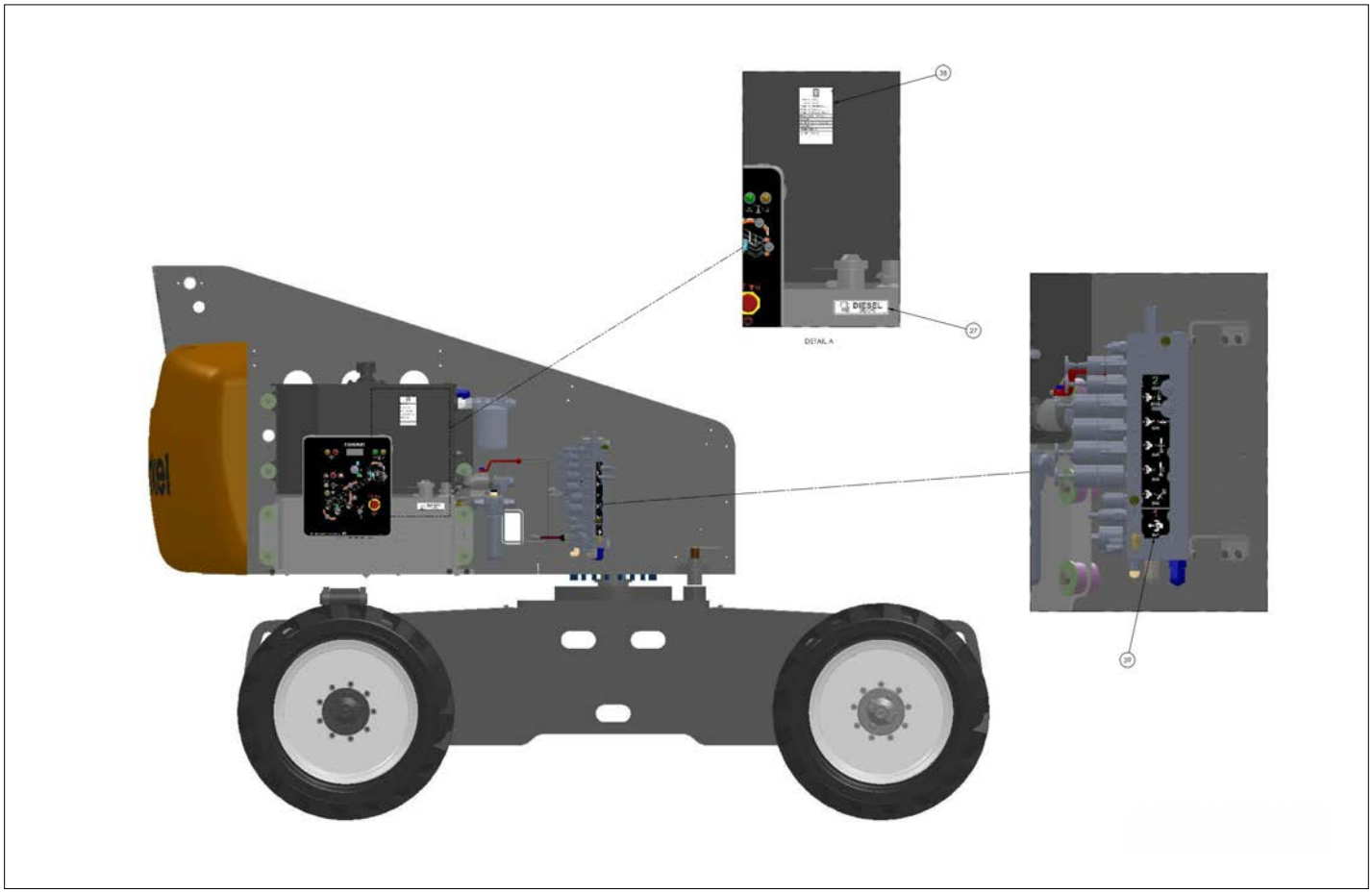
アイテム	部品番号	名前	数量	UOM
26	1433772	DECAL, HARNESS TETHER, TWO-MAN	1	EA
27	0075921	DECAL, POWER TO PLATFORM	1	EA
28	0082164	DECAL DNGR DO NOT RIDE PLATF	1	EA
29	0075899	DECAL, OPERATING & SAFETY INST	1	EA
30	0075895	DECAL, MANIFOLD OSCILLATE	1	EA
31	0075893	DECAL, MANIFOLD LEVEL	1	EA
32	0075892	DECAL, MANIFOLD STEER	1	EA
33	0075891	DECAL, MANIFOLD JIB/PLATFORM	1	EA
34	0075890	DECAL, MANIFOLD SWING	1	EA
35	0075889	DECAL, MANIFOLD EXTEND	1	EA
36	0075888	DECAL, MANIFOLD LIFT	1	EA
37	0075887	DECAL, MANIFOLD DRIVE	1	EA
38	0075894	DECAL, MANIFOLD SHIFT	1	EA
39	0071927	DECAL, HYDRAULIC OIL	1	EA
40	0113885	DECAL DIESEL ULTRA LOW SULFER	1	EA
41	7030194	DECAL BATTERY ON/OFF	1	EA
42	0151410	DECAL, DANGER ROTATING PARTS	1	EA
43	1433568	DECAL, COOLANT CAPACITY DEUTZ	1	EA
44	0190989	DECAL DNGR DO NOT REACH	1	EA
45	0074311	DECAL DANGER CYLINDER FAILURE	5	EA
46	1433729	DECAL, WEIGHT FOR DUAL CAPACTY	1	EA
47	1433731	DECAL, HYD CAPACITY 400S/460SJ	1	EA
48	0083427	Decal, Lifting/Tie Down	4	EA
49	1433748	DECAL, ANCHOR LIFT	2	EA

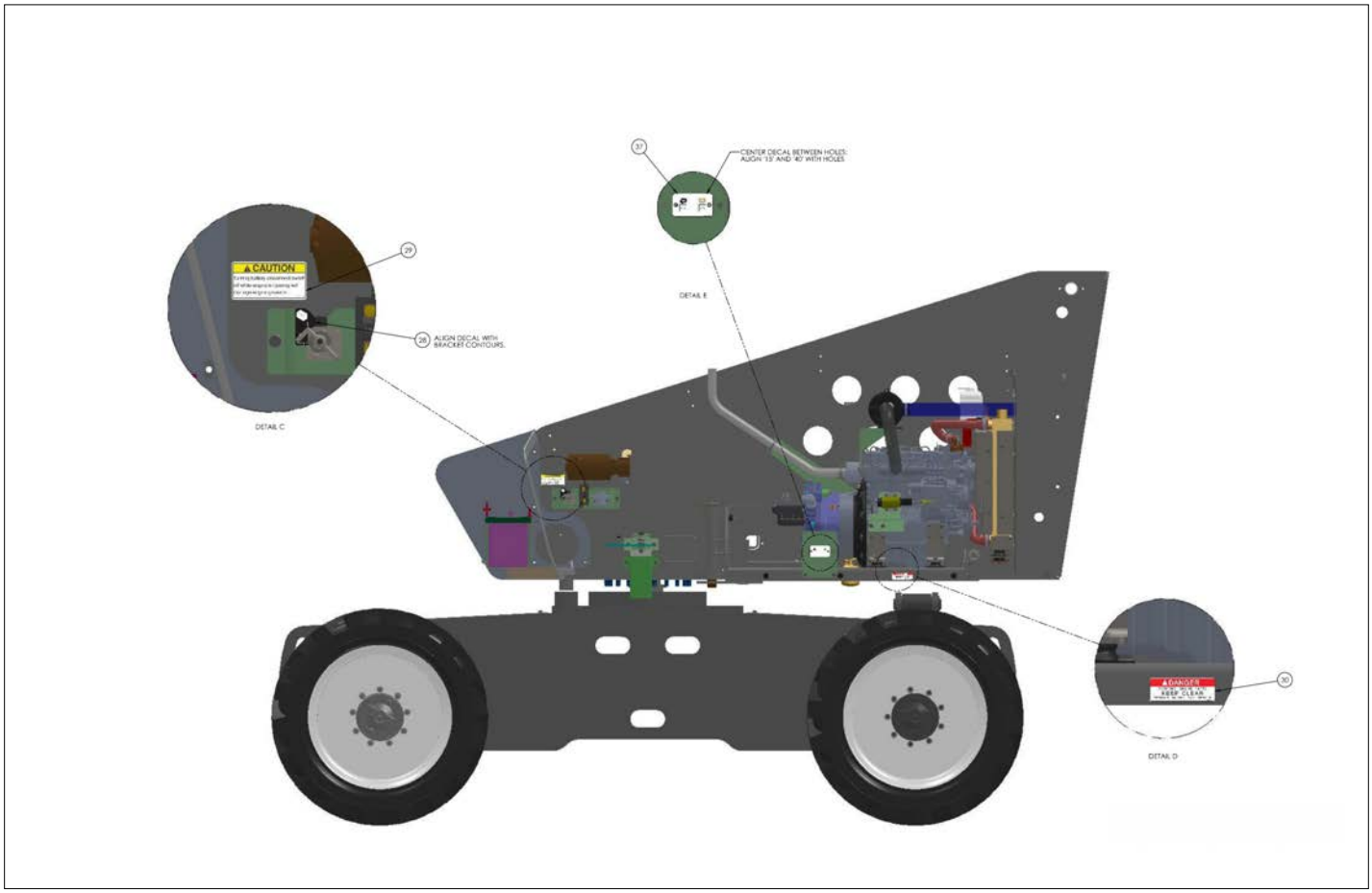
アイテム	部品番号	名前	数量	UOM
50	106717-003	decal, danger wheel position -CE ONLY	4	EA
51	0113990	DECAL, MAXIMUM WHEEL LOAD, 400	4	EA
52	0161819	DECAL EMER LOWERING PROCEDURE	1	EA
53	0182586	DECAL, CE NOISE LEVEL, 400/460	1	EA
54	1433569	DECAL, COOLANT LEVEL - DEUTZ	1	EA
55	7030001	DECAL STRIPE RED\WHT 2 in	20	EA

REPAIR PARTS

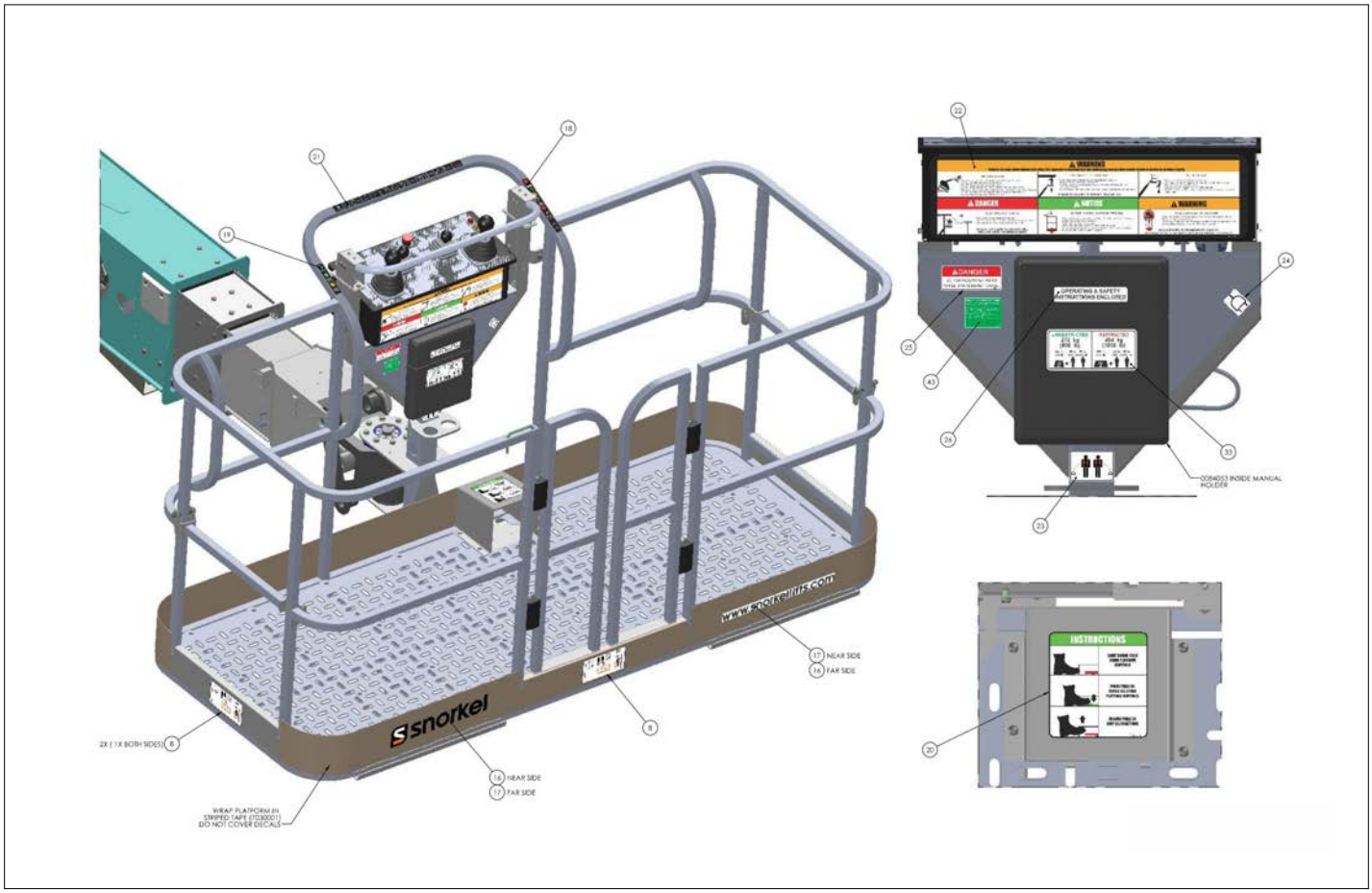



snorkel 400S
snorkel
400S


38
27
DETAIL A
39


37
CENTER DECAL BETWEEN HOLES. ALIGN '13' AND '40' WITH HOLES
DETAIL E
CAUTION
29
28
ALIGN DECAL WITH BRACKET CONTOURS.
DETAIL C
30
DETAIL D


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INSTRUCTIONS

アイテム	部品番号	名前	数量	UOM
-	1434570 A	DECAL INSTALLATION KUBOTA CE 400S		EA
1	0070540	DECAL, YELLOW ARROW	5	EA
2	0070541	DECAL, BLUE ARROW	5	EA
3	1433555	DECAL, SNORKEL 400S COWLING	2	EA
4	1434577	DECAL, STRIPES, RIGHT SIDE, 40	1	EA
5	1434578	DECAL, STRIPES, LEFT SIDE, 400	1	EA
6	0323897	Decal, Must Not Operate	2	EA
7	0074210	DECAL, DANGER ELEC/TIP HAZARD	2	EA
8	1432798	DECAL WEIGHT CAPACITY	4	EA
9	1433540	DECAL, GRND CTRL SYMBOLS	1	EA
10	7030171	DECAL, WHEEL TORQUE	4	EA
11	0072531	DECAL, ELECTROCUTION HAZ	2	EA
12	0073298	Decal, Foam Tyres	2	EA
13	0323896	DECAL DNGR ELEC HAZARD	2	EA
14	0070901	Serial Number Plate, US Machines	1	EA
15	1433557	DECAL, SNORKEL 400S BOOM	1	EA
16	569295	DECAL, SNORKEL BRAND LOGO 3.00	2	EA
17	7030068	DECAL, SNORKELLIFTS.COM	2	EA
18	1433539	DECAL, PLTFRM LGTS	1	EA
19	1433538	DECAL, PLTFRM CAP LGT	1	EA
20	1433544	DECAL, FOOT SWITCH OPERATION	1	EA
21	1433537	DECAL, PLTFRM SYMBOLS	1	EA
22	1433541	DECAL, PLTFRM CTRL WARNING	1	EA
23	1433772	DECAL, HARNESS TETHER, TWO-MAN	1	EA
24	0075921	DECAL, POWER TO PLATFORM	1	EA

アイテム	部品番号	名前	数量	UOM
25	0082164	DECAL DNGR DO NOT RIDE PLATF	1	EA
26	0075899	DECAL, OPERATING & SAFETY INST	1	EA
27	0113885	DECAL DIESEL ULTRA LOW SULFER	1	EA
28	7030194	DECAL BATTERY ON/OFF	1	EA
29	0074316	DECAL, CAUTION GOVERNOR DAMAGE	1	EA
30	0151410	DECAL, DANGER ROTATING PARTS	1	EA
31	0190989	DECAL DNGR DO NOT REACH	1	EA
32	0074311	DECAL DANGER CYLINDER FAILURE	5	EA
33	1433729	DECAL, WEIGHT FOR DUAL CAPACTY	1	EA
34	0083427	Decal, Lifting/Tie Down	6	EA
35	1433748	DECAL, ANCHOR LIFT	2	EA
36	1433682	MANUAL OPERATOR 400S ANSI	1	EA
37	1434555	DECAL, GLOW PLUG/THROTTLE	1	EA
38	18086-002	LABEL, HYDRAULIC OIL	1	EA
39	1434558	DECAL, MANIFOLD FUNCTIONS	1	EA
40	0113990	DECAL, MAXIMUM WHEEL LOAD, 400	4	EA
41	0182639	DECAL, NOISE LWA, 90-95 DB, KU	1	EA
42	106717-003	decal, danger wheel position -CE ONLY	4	EA
43	0161819	DECAL EMER LOWERING PROCEDURE	1	EA
44	0084053	MANUAL RESPONSIBILITY A92.5-2006 AN	1	EA
45	7030001	DECAL STRIPE RED\WHT 2 in	20	EA

REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
*	1433798DE	DECAL KIT GERMAN 400S		EA
1	1433682DE	400S OPERATOR'S MANUAL, GERMAN	1	EA
2	7030001	DECAL STRIPE RED\WHT 2 in	1	EA
3	1433569DE	DECAL, COOLANT LEVEL-DEUTZ, DE	1	EA
4	0182586	DECAL, CE NOISE LEVEL, 400/460	1	EA
5	0161819DE	DECAL, EMERGENCY LOWERING	1	EA
6	0113989DE	DECAL, MAXWHEEL LOAD, 460, DE	4	EA
7	106717-003DE	DECAL, WHEEL ORIENTATION	4	EA
8	1433748	DECAL, ANCHOR LIFT	2	EA
9	0083427	Decal, Lifting/Tie Down	4	EA
10	1433731DE	DECAL, HYD CAPACITY 400/460 DE	1	EA
11	1433729	DECAL, WEIGHT FOR DUAL CAPACTY	1	EA
12	0074311DE	DECAL, DANGER CYLINDER FAILURE	5	EA
13	0190989	DECAL DNGR DO NOT REACH	1	EA
14	1433568DE	DECAL, COOLANT CAP DEUTZ, DE	1	EA
15	0151410DE	DECAL, DANGER KEEP CLEAR	1	EA
16	7030194	DECAL BATTERY ON/OFF	1	EA
17	0113885DE	DECAL, DIESEL ULTRA LOW SULFUR	1	EA
18	0071927DE	DECAL, HYDRAULIC FLUID	1	EA
19	0075894DE	DECAL, MANIFOLD SHIFT	1	EA
20	0075887DE	DECAL, MANIFOLD DRIVE	1	EA
21	0075888DE	DECAL, MANIFOLD LIFT	1	EA
22	0075889DE	DECAL, MANIFOLD EXTEND	1	EA
23	0075890DE	DECAL, MANIFOLD SWING	1	EA

アイテム	部品番号	名前	数量	UOM
24	0075891DE	DECAL, MANIFOLD JIB/PLATFORM	1	EA
25	0075892DE	DECAL, MANIFOLD STEER	1	EA
26	0075893DE	DECAL, MANIFOLD LEVEL	1	EA
27	0075895DE	DECAL, MANIFOLD OSCILLATE	1	EA
28	0075899DE	DECAL, OPERATOR MANUAL	1	EA
29	0082164DE	DECAL, DO NOT RIDE	1	EA
30	0075921	DECAL, POWER TO PLATFORM	1	EA
31	1433772	DECAL, HARNESS TETHER, TWO-MAN	1	EA
32	1433541DE	DECAL, PLTFRM CTRL WARNING, DE	1	EA
33	1433537DE	DECAL, FUNCTION SYMBOLS, PLATF	1	EA
34	1433544DE	DECAL, FOOT SWITCH, PLATFORM	1	EA
35	1433538	DECAL, PLTFRM CAP LGT	1	EA
36	1433539DE	DECAL, LAMP SYMBOLS, PLATFORM	1	EA
37	7030068	DECAL, SNORKELLIFTS.COM	2	EA
38	569295	DECAL, SNORKEL BRAND LOGO 3.00	2	EA
39	1433557	DECAL, SNORKEL 400S BOOM	1	EA
40	0083426	Decal, Lifting and Tie Down	6	EA
41	0070901DE	PLACARD, CAUTION SERIAL NUMBER	1	EA
42	0323896DE	DECAL, DANGER, ELEC. HAZARD	2	EA
43	0073298DE	DECAL, DANGER MACHINE TIPOVER	2	EA
44	0072531DE	DECAL, ELECTRONCUTION HAZARD	2	EA
45	7030171DE	DECAL, WHEEL TORQUE	4	EA
46	1433540DE	DECAL, FUNCTION SYMBOLS, GROUN	1	EA

アイテム	部品番号	名前	数量	UOM
47	1432798	DECAL WEIGHT CAPACITY	4	EA
48	0074210DE	DECAL, DANGER COMPLY INST.	2	EA
49	0323897DE	DECAL, DANGER/OPERATE	1	EA
50	1432802	DECAL 1/2" STRIPE LEFT	1	EA
51	1432801	DECAL 2" STRIPE LEFT	1	EA
52	1432804	DECAL 1/2" STRIPE RIGHT	1	EA
53	1432803	DECAL 2" STRIPE RIGHT	1	EA
54	1433555	DECAL, SNORKEL 400S COWLING	2	EA
55	0070541	DECAL, BLUE ARROW	5	EA
56	0070540	DECAL, YELLOW ARROW	5	EA

REPAIR PARTS



アイテム	部品番号	名前	数量	UOM
*	1433798FR A	DECAL KIT FRENCH 400S		EA
1	1432802	DECAL 1/2" STRIPE LEFT	1	EA
2	1432804	DECAL 1/2" STRIPE RIGHT	1	EA
3	1433555	DECAL, SNORKEL 400S COWLING	2	EA
4	0070540	DECAL, YELLOW ARROW	5	EA
5	1433682FR	400S OPERATOR'S MANUAL, FRENCH	1	EA
6	7030001	DECAL STRIPE RED\WHT 2 in	1	EA
7	1433569FR	DECAL, COOLANT LVL-DEUTZ, FR	1	EA
8	0182586	DECAL, CE NOISE LEVEL, 400/460	1	EA
9	0161819FR	DECAL, EMERGENCY LOWERING, FR	1	EA
10	106717-003FR	DECAL, DANGR WHL ORIENTATN, FR	4	EA
11	0113989FR	DECAL, MAX WHL LOAD 460SJ, FR	4	EA
12	1433748	DECAL, ANCHOR LIFT	2	EA
13	0083427	Decal, Lifting/Tie Down	4	EA
14	1433731FR	DECAL, HYD CAP, 400S/460SJ, FR	1	EA
15	1433729	DECAL, WEIGHT FOR DUAL CAPACTY	1	EA
16	0074311FR	DECAL DNGR CYLINDER FAILURE	5	EA
17	0190989	DECAL DNGR DO NOT REACH	1	EA
18	1433568FR	DECAL, COOLANT CAP-DEUTZ, FR	1	EA
19	0151410FR	DECAL DNGR ROTATING PARTS-	1	EA
20	7030194	DECAL BATTERY ON/OFF	1	EA
21	0113885FR	DECAL, DIESEL ULTRA LOW SULFUR	1	EA
22	0071927FR	DECAL HYDRAULIC OIL	1	EA

アイテム	部品番号	名前	数量	UOM
23	0075894FR	DECAL, MANIFOLD SHIFT	1	EA
24	0075887FR	DECAL, MANIFOLD DRIVE	1	EA
25	0075888FR	DECAL, MANIFOLD LIFT	1	EA
26	0075889FR	DECAL, MANIFOLD EXTEND	1	EA
27	0075890FR	DECAL, MANIFOLD SWING	1	EA
28	0075891FR	DECAL, MANIFOLD JIB/PLATFORM	1	EA
29	0075892FR	DECAL, MANIFOLD STEER	1	EA
30	0075893FR	DECAL, MANIFOLD LEVEL	1	EA
31	0075895FR	DECAL, MANIFOLD OSCILLATE	1	EA
32	0075899FR	DECAL, OPERATING & SAFETY INST	1	EA
33	0082164FR	DECAL DNGR DO NOT RIDE PLATF	1	EA
34	0075921	DECAL, POWER TO PLATFORM	1	EA
35	1433772	DECAL, HARNESS TETHER, TWO-MAN	1	EA
36	1433541FR	DECAL, HAZ, PLTFM CTRL BOX, FR	1	EA
37	1433537FR	DECAL, FUNCTN, PLTF CTRL BX,FR	1	EA
38	1433544FR	DECAL, FT SWTCH, PLTFM, FR	1	EA
39	1433538	DECAL, PLTFRM CAP LGT	1	EA
40	1433539FR	DECAL, LMP SYB, PLFT CTRL, FR	1	EA
41	7030068	DECAL, SNORKELLIFTS.COM	2	EA
42	569295	DECAL, SNORKEL BRAND LOGO 3.00	2	EA
43	1433557	DECAL, SNORKEL 400S BOOM	1	EA
44	0083426	Decal, Lifting and Tie Down	6	EA
45	0070901FR	PLAC CAUTN SERIAL NUMBER	1	EA
46	0323896FR	DECAL DNGR ELEC HAZARD	2	EA
47	0073298FR	DECAL DNGR FOAM/SOLID TIRES	2	EA

アイテム	部品番号	名前	数量	UOM
48	0072531FR	DECAL DNGR ELEC HAZARD	2	EA
49	7030171FR	DECAL, WHEEL TORQUE	4	EA
50	1433540FR	DECAL, FNCT SYM, PLTF CTRL, FR	1	EA
51	1432798	DECAL WEIGHT CAPACITY	4	EA
52	0074210FR	DECAL DNGR ELEC/TIPPING HAZARD	2	EA
53	0323897FR	DECAL DNGR YOU MUST NOT OPR	2	EA
54	1432801	DECAL 2" STRIPE LEFT	1	EA
55	1432803	DECAL 2" STRIPE RIGHT	1	EA
56	0070541	DECAL, BLUE ARROW	5	EA

REPAIR PARTS



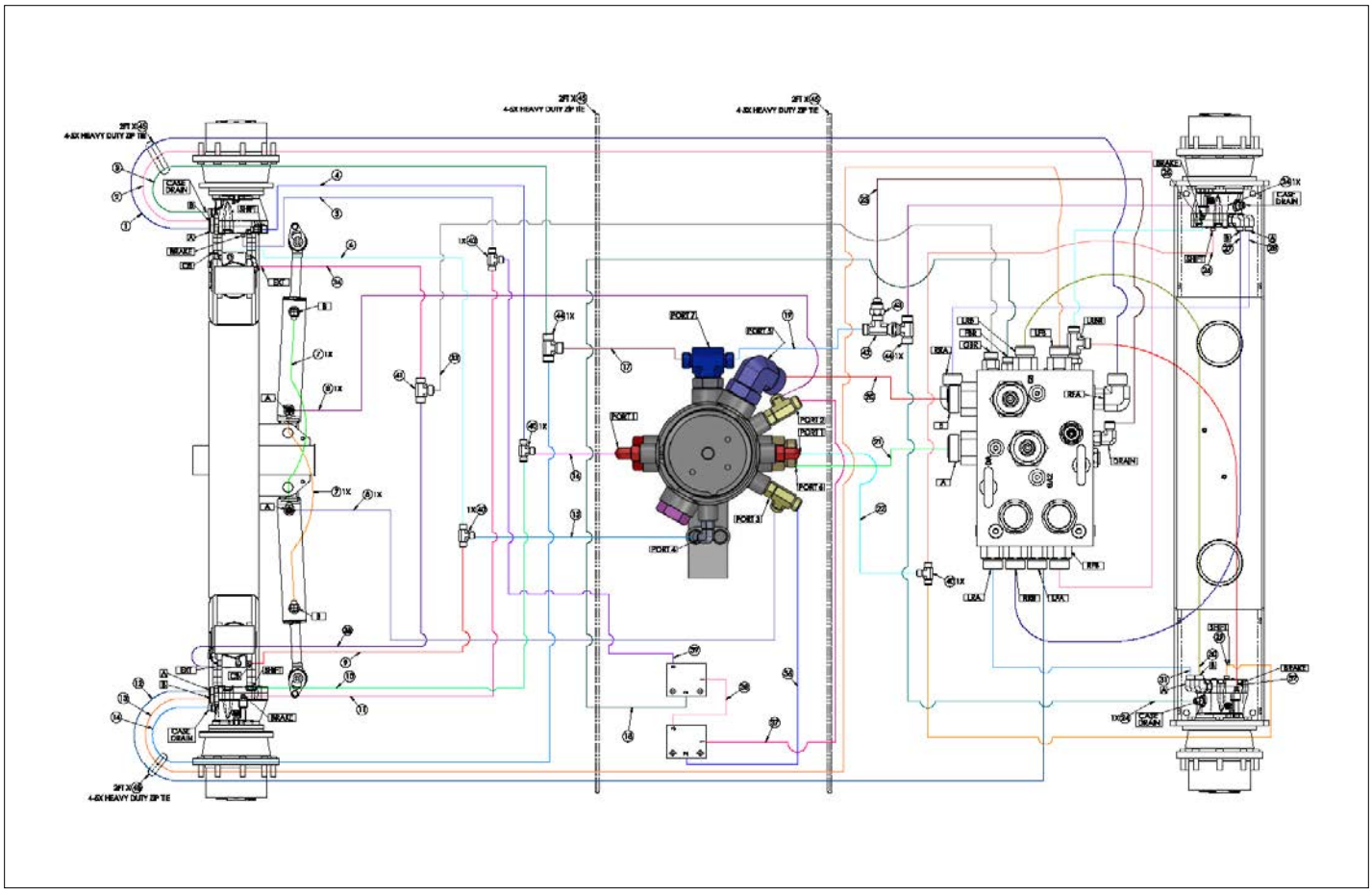
アイテム	部品番号	名前	数量	UOM
*	1433798ENFR A	DECAL KIT ENGLISH FRENCH 400S		EA
1	0161819	DECAL EMER LOWERING PROCEDURE	1	EA
2	1433569	DECAL, COOLANT LEVEL - DEUTZ	1	EA
3	1433731	DECAL, HYD CAPACITY 400S/460SJ	1	EA
4	0113989	DECAL, MAXIMUM WHEEL LOAD, 460	4	EA
5	0074311	DECAL DANGER CYLINDER FAILURE	6	EA
6	1433568	DECAL, COOLANT CAPACITY DEUTZ	1	EA
7	0151410	DECAL, DANGER ROTATING PARTS	1	EA
8	106717-003	decal, danger wheel position -CE ONLY	4	EA
9	0113885	DECAL DIESEL ULTRA LOW SULFER	1	EA
10	0071927	DECAL, HYDRAULIC OIL	1	EA
11	0075895	DECAL, MANIFOLD OSCILLATE	1	EA
12	0075894	DECAL, MANIFOLD SHIFT	1	EA
13	0075893	DECAL, MANIFOLD LEVEL	1	EA
14	0075892	DECAL, MANIFOLD STEER	1	EA
15	0075891	DECAL, MANIFOLD JIB/PLATFORM	1	EA
16	0075890	DECAL, MANIFOLD SWING	1	EA
17	0075889	DECAL, MANIFOLD EXTEND	1	EA
18	0075888	DECAL, MANIFOLD LIFT	1	EA
19	0075887	DECAL, MANIFOLD DRIVE	1	EA
20	0075899	DECAL, OPERATING & SAFETY INST	1	EA
21	0082164	DECAL DNGR DO NOT RIDE PLATF	1	EA

アイテム	部品番号	名前	数量	UOM
22	1433541	DECAL, PLTFRM CTRL WARNING	1	EA
23	1433537	DECAL, PLTFRM SYMBOLS	1	EA
24	1433544	DECAL, FOOT SWITCH OPERATION	1	EA
25	1433539	DECAL, PLTFRM LGTS	1	EA
26	0070901	Serial Number Plate, US Machines	1	EA
27	0323896	DECAL DNGR ELEC HAZARD	2	EA
28	0073298	Decal, Foam Tyres	2	EA
29	0072531	DECAL, ELECTROCUTION HAZ	2	EA
30	7030171	DECAL, WHEEL TORQUE	4	EA
31	1433540	DECAL, GRND CTRL SYMBOLS	1	EA
32	0074210	DECAL, DANGER ELEC/TIP HAZARD	2	EA
33	0323897	Decal, Must Not Operate	2	EA
34	1433685	MANUAL OPERATOR 460SJ ANSI	1	EA
35	1433685FR	460SJ OPERATORS MANUAL, FRENCH	1	EA
36	7030001	DECAL STRIPE RED\WHT 2 in	1	EA
37	1433729	DECAL, WEIGHT FOR DUAL CAPACTY	1	EA
38	1433538	DECAL, PLTFRM CAP LGT	1	EA
39	0182586	DECAL, CE NOISE LEVEL, 400/460	1	EA
40	1433748	DECAL, ANCHOR LIFT	2	EA
41	0083427	Decal, Lifting/Tie Down	4	EA
42	0190989	DECAL DNGR DO NOT REACH	1	EA
43	7030194	DECAL BATTERY ON/OFF	1	EA
44	0075921	DECAL, POWER TO PLATFORM	1	EA
45	1433772	DECAL, HARNESS TETHER, TWO-MAN	1	EA
46	7030068	DECAL, SNORKELLIFTS.COM	2	EA

アイテム	部品番号	名前	数量	UOM
47	569295	DECAL, SNORKEL BRAND LOGO 3.00	2	EA
48	1433557	DECAL, SNORKEL 400S BOOM	1	EA
49	0083426	Decal, Lifting and Tie Down	6	EA
50	1432798	DECAL WEIGHT CAPACITY	5	EA
51	1432802	DECAL 1/2" STRIPE LEFT	1	EA
52	1432801	DECAL 2" STRIPE LEFT	1	EA
53	1432804	DECAL 1/2" STRIPE RIGHT	1	EA
54	1432803	DECAL 2" STRIPE RIGHT	1	EA
55	1433555	DECAL, SNORKEL 400S COWLING	2	EA
56	0070541	DECAL, BLUE ARROW	5	EA
57	0070540	DECAL, YELLOW ARROW	5	EA
58	0161819FR	DECAL, EMERGENCY LOWERING, FR	1	EA
59	1433569FR	DECAL, COOLANT LVL-DEUTZ, FR	1	EA
60	1433731FR	DECAL, HYD CAP, 400S/460SJ, FR	1	EA
61	0113989FR	DECAL, MAX WHL LOAD 460SJ, FR	4	EA
62	0074311FR	DECAL DNGR CYLINDER FAILURE	6	EA
63	1433568FR	DECAL, COOLANT CAP-DEUTZ, FR	1	EA
64	0151410FR	DECAL DNGR ROTATING PARTS-	1	EA
65	106717-003FR	DECAL, DANGR WHL ORIENTATN, FR	4	EA
66	0113885FR	DECAL, DIESEL ULTRA LOW SULFUR	1	EA
67	0071927FR	DECAL HYDRAULIC OIL	1	EA
68	0075895FR	DECAL, MANIFOLD OSCILLATE	1	EA
69	0075894FR	DECAL, MANIFOLD SHIFT	1	EA
70	0075893FR	DECAL, MANIFOLD LEVEL	1	EA

アイテム	部品番号	名前	数量	UOM
71	0075892FR	DECAL, MANIFOLD STEER	1	EA
72	0075891FR	DECAL, MANIFOLD JIB/PLATFORM	1	EA
73	0075890FR	DECAL, MANIFOLD SWING	1	EA
74	0075889FR	DECAL, MANIFOLD EXTEND	1	EA
75	0075888FR	DECAL, MANIFOLD LIFT	1	EA
76	0075887FR	DECAL, MANIFOLD DRIVE	1	EA
77	0075899FR	DECAL, OPERATING & SAFETY INST	1	EA
78	0082164FR	DECAL DNGR DO NOT RIDE PLATF	1	EA
79	1433541FR	DECAL, HAZ, PLTFM CTRL BOX, FR	1	EA
80	1433537FR	DECAL, FUNCTN, PLTF CTRL BX,FR	1	EA
81	1433544FR	DECAL, FT SWTCH, PLTFM, FR	1	EA
82	1433539FR	DECAL, LMP SYB, PLFT CTRL, FR	1	EA
83	0070901FR	PLAC CAUTN SERIAL NUMBER	1	EA
84	0323896FR	DECAL DNGR ELEC HAZARD	2	EA
85	0073298FR	DECAL DNGR FOAM/SOLID TIRES	2	EA
86	0072531FR	DECAL DNGR ELEC HAZARD	2	EA
87	7030171FR	DECAL, WHEEL TORQUE	4	EA
88	1433540FR	DECAL, FNCT SYM, PLTF CTRL, FR	1	EA
89	0074210FR	DECAL DNGR ELEC/TIPPING HAZARD	2	EA
90	0323897FR	DECAL DNGR YOU MUST NOT OPR	2	EA

HYDRAULICS

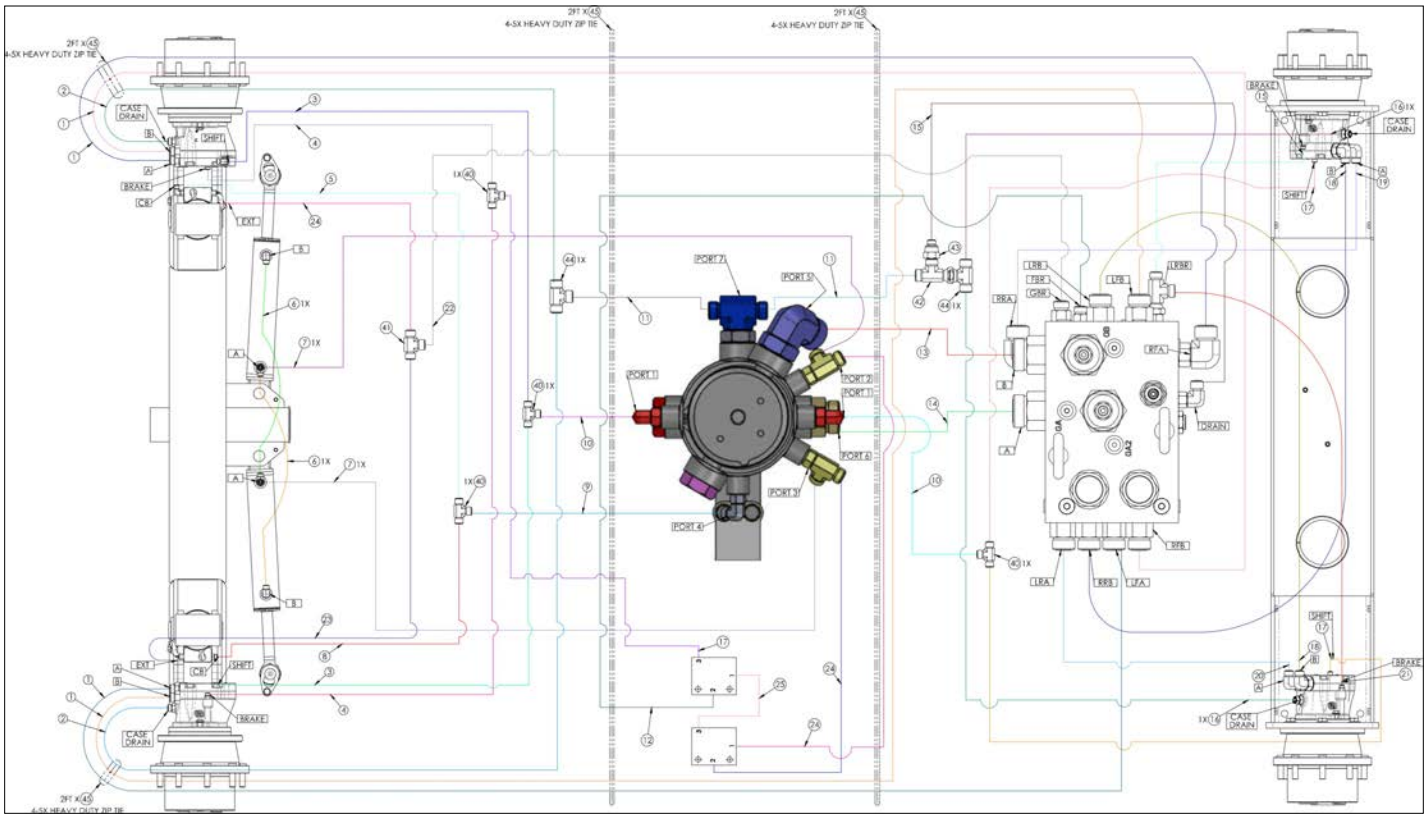


アイテム	部品番号	名前	数量	UOM
-	1433021 B	CHASSIS HYDRAULIC HOSE INSTALLATION 400S 460SJ JANUARY 2020 AND BEFORE		EA
1	1433415	HYD HOSE 787TC -10 5000PSI 10F	1	EA
2	1433416	HYD HOSE 787TC -10 5000PSI 10F	1	EA
3	1433417	HYD HOSE 471TC -8 3000PSI 8FOR	1	EA
4	1433418	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
5	1433419	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
6	1433420	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
7	1433421	HYD HOSE 471TC -6 3000PSI 6FOR	2	EA
8	1433422	HYD HOSE 471TC -6 3000PSI 6FOR	2	EA
9	1433423	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
10	1433424	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
11	1433425	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
12	1433426	HYD HOSE 787TC -10 5000PSI 10F	1	EA
13	1433427	HYD HOSE 787TC -10 5000PSI 10F	1	EA
14	1433428	HYD HOSE 471TC -8 3000PSI 8FOR	1	EA
15	1433429	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
16	1433430	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
17	1433431	HYD HOSE 471TC -8 3000PSI 8FOR	1	EA

アイテム	部品番号	名前	数量	UOM
18	1433432	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
19	1433433	HYD HOSE 471TC -8 3000PSI 8FOR	1	EA
20	1433434	HYD HOSE 787TC -16 5000PSI 16F	1	EA
21	1433435	HYD HOSE 787TC -16 5000PSI 16F	1	EA
22	1433436	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
23	1433437	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
24	1433438	HYD HOSE 471TC -8 3000PSI 8FOR	2	EA
25	1433439	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
26	1433440	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
27	1433441	HYD HOSE 787TC -10 5000PSI 10F	1	EA
28	1433442	HYD HOSE 787TC -10 5000PSI 10F	1	EA
29	1433443	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
30	1433444	HYD HOSE 787TC -10 5000PSI 10F	1	EA
31	1433445	HYD HOSE 787TC -10 5000PSI 10F	1	EA
32	1433446	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
33	1433447	HYD HOSE 471TC -6 3000PSI 6FOR	1	EA
34	1433448	HYD HOSE 471TC -6 3000PSI 6FOR	1	EA
35	1433449	HYD HOSE 471TC -6 3000PSI 6FOR	1	EA
36	1433450	HYD HOSE 471TC -6 3000PSI 6FOR	1	EA

アイテム	部品番号	名前	数量	UOM
37	1433451	HYD HOSE 471TC -6 3000PSI 6FOR	1	EA
38	1433452	HYD HOSE 471TC -6 3000PSI 6FOR	1	EA
39	1433453	HYD HOSE 471TC -4 3000PSI 4FOR	1	EA
40	104769-000	FTG, 4MORFF X 4MORFF X 4MORFF UTEE	4	EA
41	104773-000	FTG HYD 06OM-06OM-06OM-TN	1	EA
42	5033071	FTG RT 8MORFFX8MORFFX8FORFF	1	EA
43	5111675	FTG 8 ORFF X 4 ORFM REDUCER	1	EA
44	511617-000	FTG, 8MORFF X 8MORFF X 8MORFF UTEE	2	EA
45	121139-999	NYLON HOSE WRAP 3.00	8FT	EA
46	1433414	CHASSIS HOSE KIT, 400S/460SJ REFERANCE ONLY	1	EA

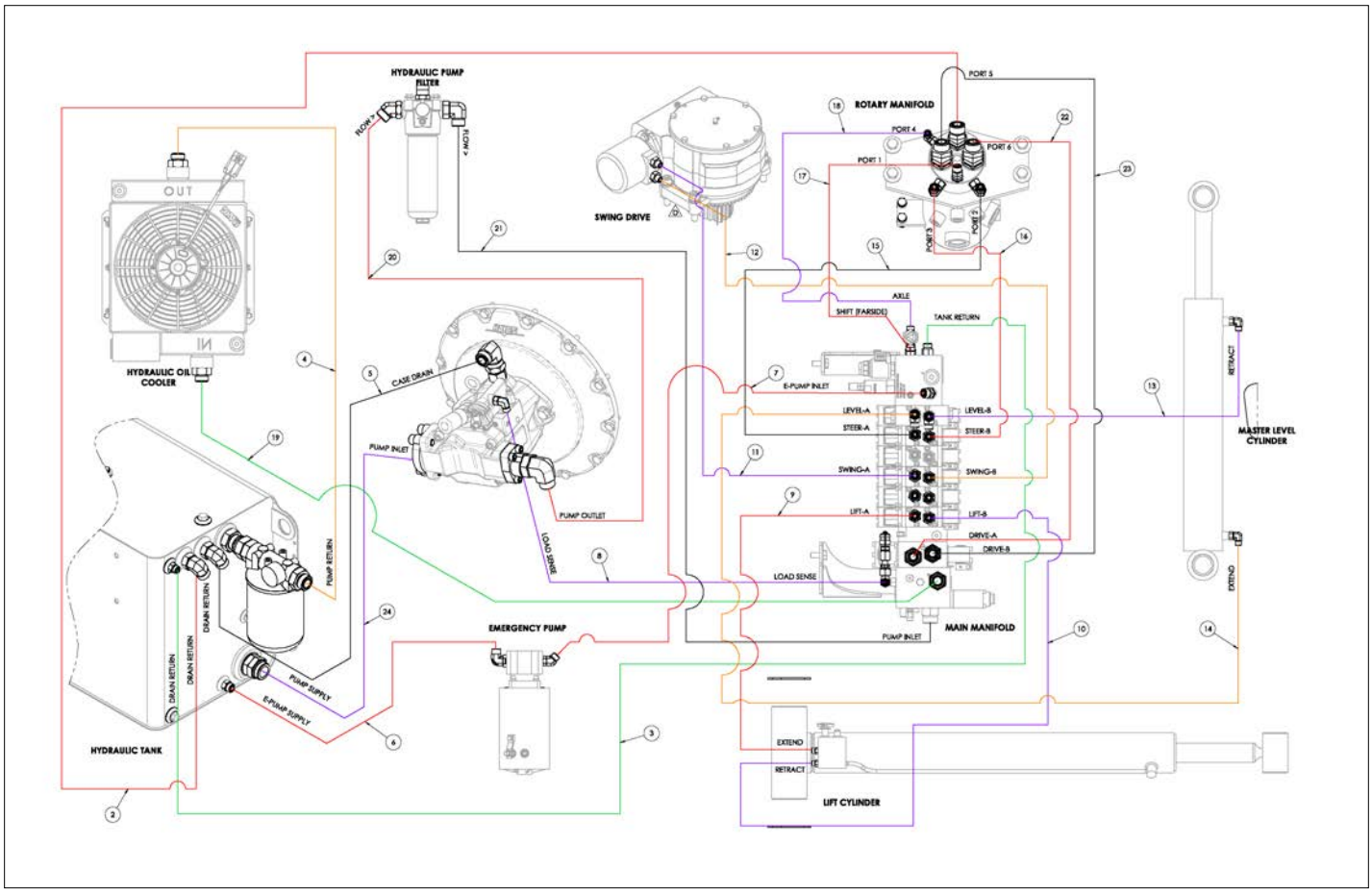
HYDRAULICS

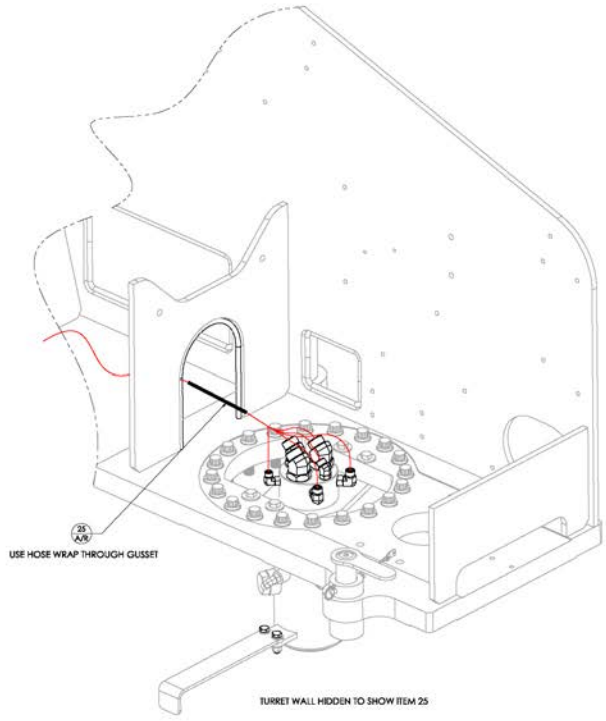

2FT X (45)
4-5X HEAVY DUTY ZIP TIE
CASE DRAIN
SHIFT
BRAKE
EXT
PORT 1
PORT 2
PORT 3
PORT 4
PORT 5
PORT 7
DRAIN

アイテム	部品番号	名前	数量	UOM
-	1433021 C	CHASSIS HYDRAULIC HOSE INSTALLATION 400S 460SJ FEBURARY 2020 AND AFTER		EA
1	1433415	HYD HOSE 787TC -10 5000PSI 10F	4	EA
2	1432854	HYD HOSE 471TC-8 3000PSI	2	EA
3	1432861	HYD HOSE 471TC-4 3000PSI	2	EA
4	1432862	HYD HOSE 471TC-4 3000PSI	2	EA
5	1432857	HYD HOSE 471TC-4 3000PSI	1	EA
6	1432858	HYD HOSE 471TC-6 3000PSI	2	EA
7	1432859	HYD HOSE 471TC-6 3000PSI	2	EA
8	1432860	HYD HOSE 471TC-4 3000PSI	1	EA
9	1432867	HYD HOSE 471TC-4 3000PSI	1	EA
10	1433430	HYD HOSE 471TC -4 3000PSI 4FOR	2	EA
11	1432868	HYD HOSE 471TC-8 3000PSI	2	EA
12	1433058	HYD HOSE 471TC-4 3000PSI 4FORFF 90 ° LONG X 4FORFF STR	1	EA
13	1433434	HYD HOSE 787TC -16 5000PSI 16F	1	EA
14	1433435	HYD HOSE 787TC -16 5000PSI 16F	1	EA
15	1432876	HYD HOSE 471TC-4 3000 PSI	2	EA
16	1432875	HYD HOSE 471TC-8 3000 PSI	2	EA
17	1433059	HYD HOSE 471TC -4 3000 PSI 4FORFF X 6FORFF STR X 4FORFF STR	3	EA
18	1432881	HYD HOSE 787TC-10 5000 PSI	2	EA
19	1432879	HYD HOSE 787TC-10 5000 PSI	1	EA
20	1432882	HYD HOSE 787TC-10 5000 PSI	1	EA
21	1432883	HYD HOSE 471TC-4 3000 PSI	1	EA
22	1432884	HYD HOSE 471TC-6 3000 PSI	1	EA
23	1432886	HYD HOSE 471TC-4 3000 PSI	1	EA

アイテム	部品番号	名前	数量	UOM
24	1433451	HYD HOSE 471TC -6 3000PSI 6FOR	3	EA
25	1433057	HYD HOSE 471TC -6 3000 PSI 6FORFF X 6FORFF STR	1	EA
26	104769-000	FTG, 4MORFF X 4MORFF X 4MORFF UTEE	4	EA
27	104773-000	FTG HYD 06OM-06OM-06OM-TN	1	EA
28	5033071	FTG RT 8MORFFX8MORFFX8FORFF	1	EA
29	5111675	FTG 8 ORFF X 4 ORFM REDUCER	1	EA
30	511617-000	FTG, 8MORFF X 8MORFF X 8MORFF UTEE	2	EA
31	12139-999	GUARD HOSE WRAP SL-3.0-1050B	8	EA

HYDRAULICS

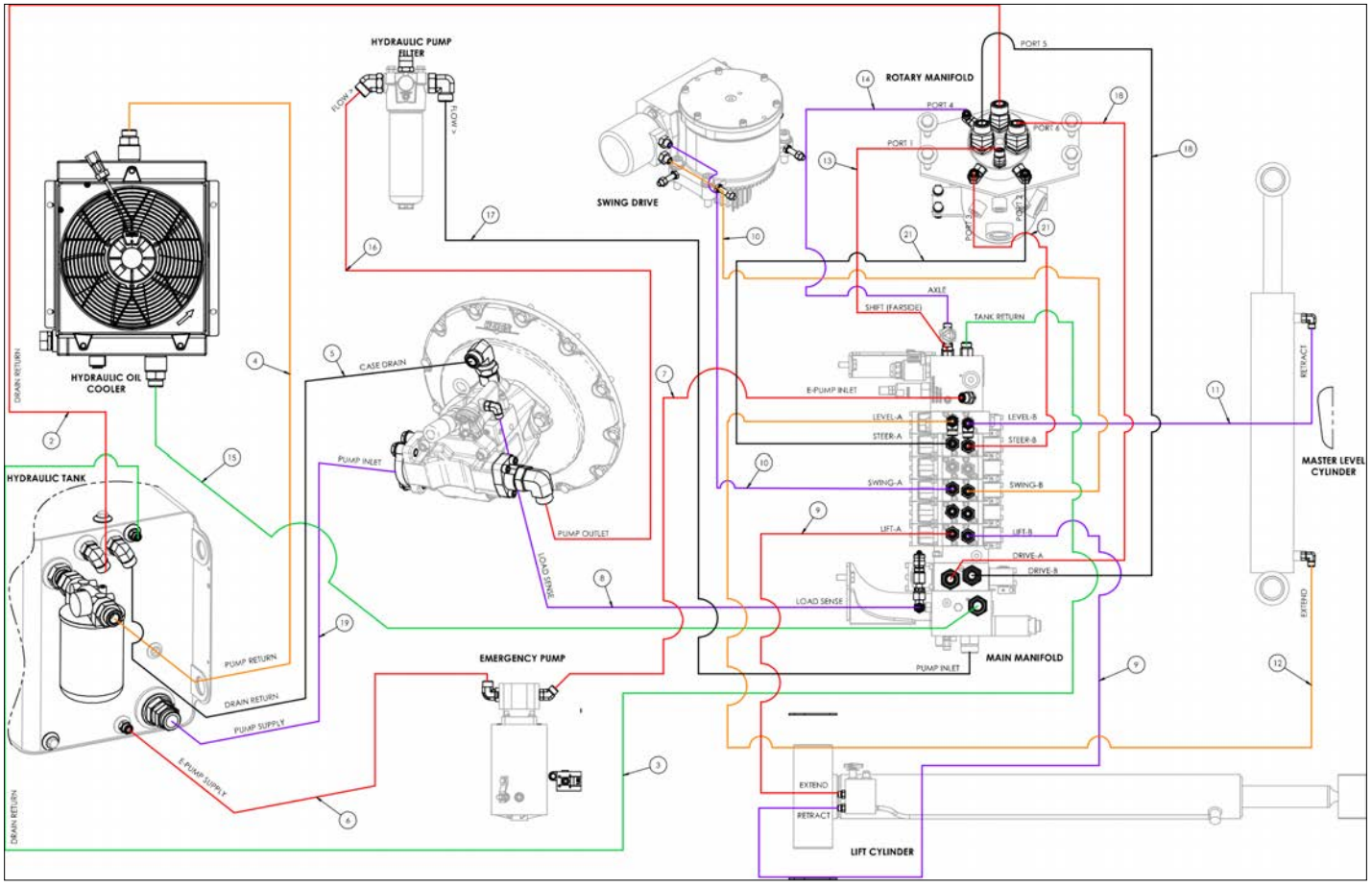

HYDRAULIC PUMP FILTER
FLOW
FLOW
OUT
IN
HYDRAULIC OIL COOLER
SWING DRIVE
ROTARY MANIFOLD
PORT 5
PORT 4
PORT 6
PORT 1
PORT 3
PORT 2
AXLE
SHIFT (FARSIDE)
TANK RETURN
E-PUMP INLET
LEVEL-A
LEVEL-B
STEER-A
STEER-B
SWING-A
SWING-B
LIFT-A
LIFT-B
DRIVE-A
DRIVE-B
LOAD SENSE
PUMP INLET
MAIN MANIFOLD
RETRACT
EXTEND
MASTER LEVEL CYLINDER
CASE DRAIN
PUMP INLET
PUMP OUTLET
LOAD SENSE
PUMP RETURN
DRAIN RETURN
DRAIN RETURN
PUMP SUPPLY
E-PUMP SUPPLY
HYDRAULIC TANK
EMERGENCY PUMP
EXTEND
RETRACT
LIFT CYLINDER


25
A/R
USE HOSE WRAP THROUGH GUSSET
TURRET WALL HIDDEN TO SHOW ITEM 25

アイテム	部品番号	名前	数量	UOM
-	1433656 E	TURRET HYDRAULIC HOSE INSTALLATION JANUARY 2020 AND BEFORE		EA
1	1433655	HOSE KIT, TURRET	1	EA
2	1433949	HYD HOSE, -12, 12 STR X12 45 °	1	EA
3	1433950	HYD HOSE, -6, 6 STR X 6 90 °	1	EA
4	1433957	HYD HOSE, -12, 16 STR X 12 90 °	1	EA
5	1433955	HYD HOSE, -12, 12 STR X 12 45 °	1	EA
6	1433958	HYD HOSE, -8, 8 STR X 8 90 °	1	EA
7	1433636	HYD HOSE 471TC-6 3000PSI 52.5"	1	EA
8	1433956	HYD HOSE, -4, 4 STR X 4 45 °	1	EA
9	1433951	HYD HOSE, -6, 6 STR X 6 45 °	1	EA
10	1433952	HYD HOSE, -6, 6 STR X 6 45 °	1	EA
11	1433640	HYD HOSE 471TC-6 3000PSI 50.5"	1	EA
12	1433641	HYD HOSE 471TC-6 3000PSI 51.5"	1	EA
13	1433642	HYD HOSE 471TC-4 3000PSI 91.5"	1	EA
14	1433643	HYD HOSE 471TC-4 3000PSI 74"	1	EA
15	1433644	HYD HOSE 471TC-6 3000PSI 40"	1	EA
16	1433645	HYD HOSE 471TC-6 3000PSI 41.5"	1	EA
17	1433646	HYD HOSE 471TC-6 3000PSI 43.5"	1	EA
18	1433647	HYD HOSE 471TC-6 3000PSI 41.5"	1	EA
19	1433648	HYD HOSE 471TC-12 3000PSI 81.5	1	EA
20	1433649	HYD HOSE 787TC-12 5000PSI 53"	1	EA

アイテム	部品番号	名前	数量	UOM
21	1433650	HYD HOSE 787TC-12 5000PSI 20"	1	EA
22	1433651	HYD HOSE 787TC-12 5000PSI 33.5	1	EA
23	1433948	HYD HOSE, -12, 12 STR X12 45 °	1	EA
24	1433759	SUCTION HOSE ASSY, MAIN PUMP	1	EA
25	12139-999	GUARD HOSE WRAP SL-3.0-1050B	AR	EA

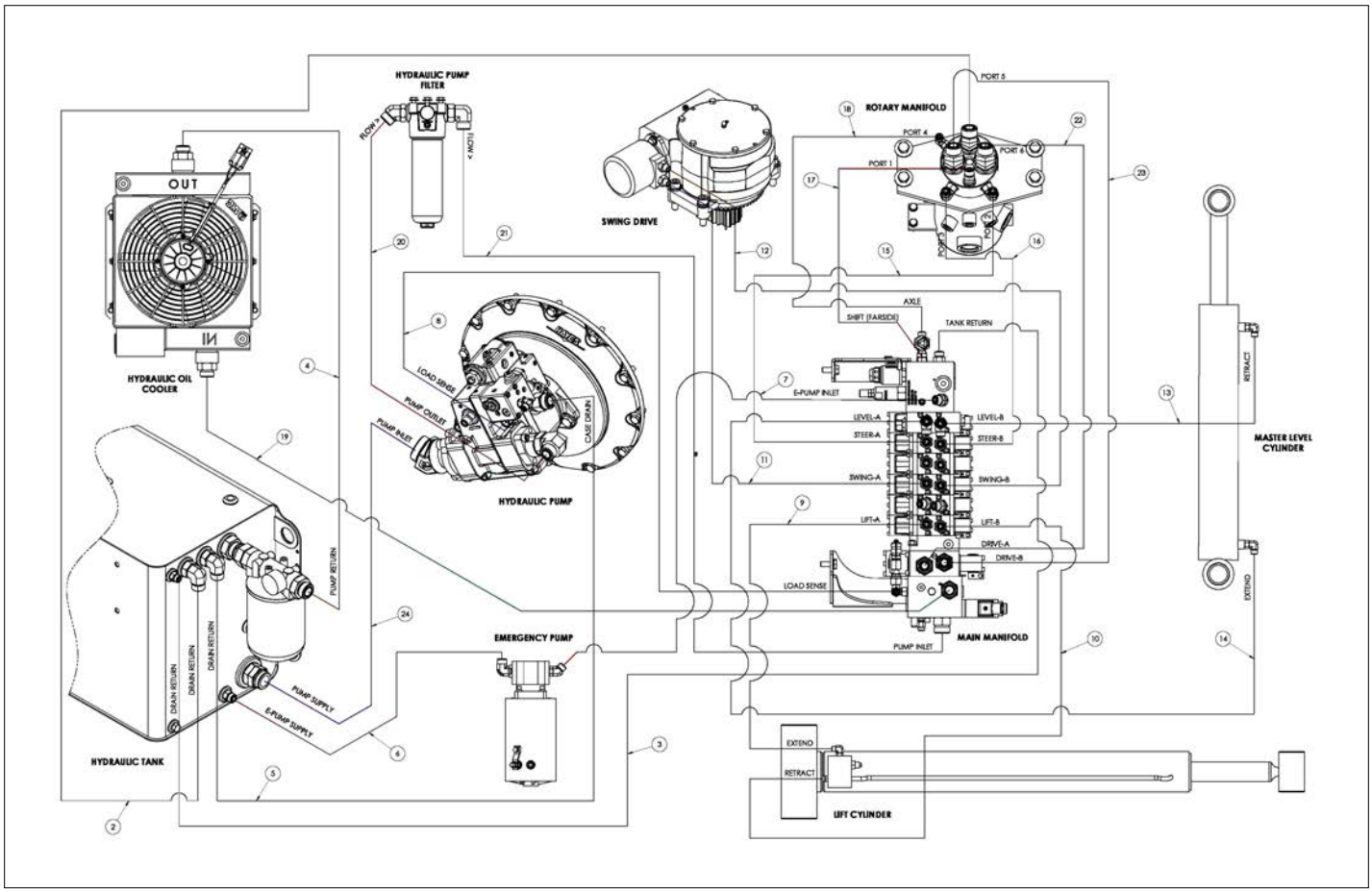
HYDRAULICS

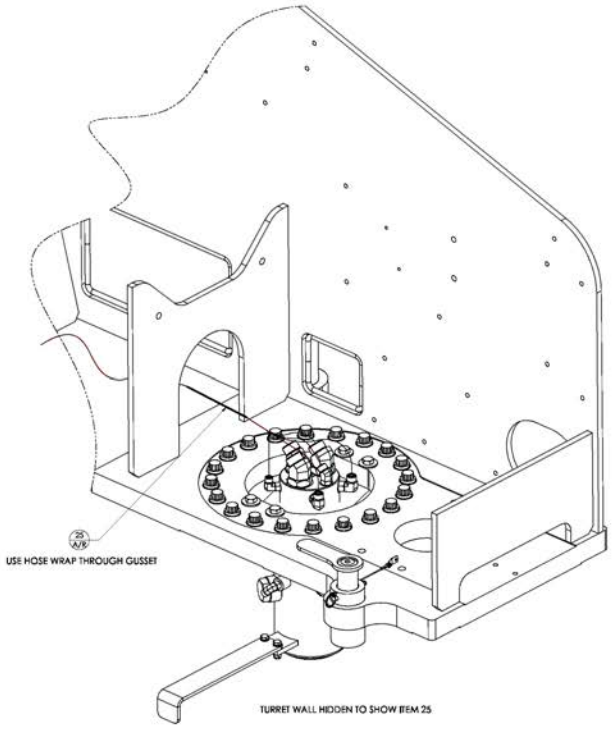

HYDRAULIC PUMP FILTER
FLOW
FLOW
SWING DRIVE
ROTARY MANIFOLD
PORT 5
PORT 4
PORT 6
PORT 1
PORT 2
PORT 3
AXLE
SHIFT (FARSIDE)
TANK RETURN
E-PUMP INLET
LEVEL-A
LEVEL-B
STEER-A
STEER-B
SWING-A
SWING-B
LIFT-A
LIFT-B
DRIVE-A
DRIVE-B
LOAD SENSE
PUMP INLET
MAIN MANIFOLD
HYDRAULIC OIL COOLER
DRAIN RETURN
CASE DRAIN
PUMP INLET
PUMP OUTLET
LOAD SENSE
HYDRAULIC TANK
PUMP RETURN
DRAIN RETURN
PUMP SUPPLY
E-PUMP SUPPLY
EMERGENCY PUMP
DRAIN RETURN
EXTEND
RETRACT
LIFT CYLINDER
RETRACT
EXTEND
MASTER LEVEL CYLINDER

アイテム	部品番号	名前	数量	UOM
-	1433656 F	TURRET HOSE INSTALLATION 400S 460SJ FEBURARY 2020 AND AFTER		EA
2	1433949	HYD HOSE, -12, 12 STR X12 45 °	1	EA
3	1433950	HYD HOSE, -6, 6 STR X 6 90 °	1	EA
4	1433957	HYD HOSE, -12, 16 STR X 12 90 °	1	EA
5	1433955	HYD HOSE, -12, 12 STR X 12 45 °	1	EA
6	1433958	HYD HOSE, -8, 8 STR X 8 90 °	1	EA
7	1433636	HYD HOSE 471TC-6 3000PSI 52.5"	1	EA
8	1433956	HYD HOSE, -4, 4 STR X 4 45 °	1	EA
9	1433951	HYD HOSE, -6, 6 STR X 6 45 °	2	EA
10	1433641	HYD HOSE 471TC-6 3000PSI 51.5"	2	EA
11	1433642	HYD HOSE 471TC-4 3000PSI 91.5"	1	EA
12	1433643	HYD HOSE 471TC-4 3000PSI 74"	1	EA
13	1433646	HYD HOSE 471TC-6 3000PSI 43.5"	1	EA
14	1433647	HYD HOSE 471TC-6 3000PSI 41.5"	1	EA
15	1433648	HYD HOSE 471TC-12 3000PSI 81.5	1	EA
16	1433649	HYD HOSE 787TC-12 5000PSI 53"	1	EA
17	1433650	HYD HOSE 787TC-12 5000PSI 20"	1	EA
18	1433651	HYD HOSE 787TC-12 5000PSI 33.5	2	EA
19	1433759	SUCTION HOSE ASSY, MAIN PUMP	1	EA
20	12139-999	GUARD HOSE WRAP SL-3.0-1050B	A/R	EA

アイテム	部品番号	名前	数量	UOM
21	1433645	HYD HOSE 471TC-6 3000PSI 41.5"	2	EA

HYDRAULICS

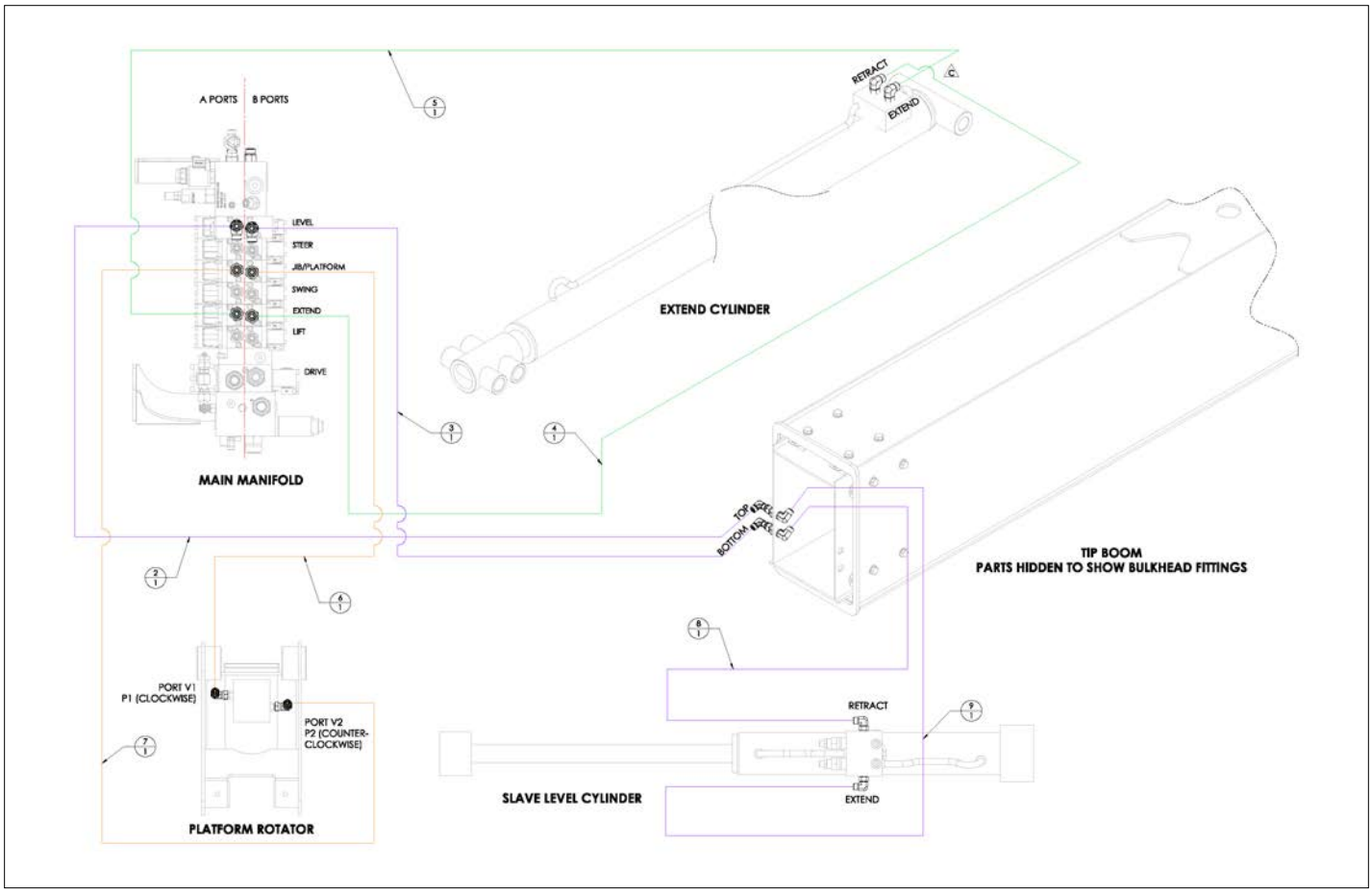

HYDRAULIC PUMP FILTER
FLOW
INLET
OUT
IN
HYDRAULIC OIL COOLER
SWING DRIVE
ROTARY MANIFOLD
PORT 5
PORT 4
PORT 6
PORT 1
AXLE
SHIFT (FARSIDE)
TANK RETURN
E-PUMP INLET
LEVEL-A
LEVEL-B
STEER-A
STEER-B
SWING-A
SWING-B
LIFT-A
LIFT-B
DRIVE-A
DRIVE-B
LOAD SENSE
PUMP INLET
MAIN MANIFOLD
MASTER LEVEL CYLINDER
RETRACT
EXTEND
ROTOR
LOAD SENSE
PUMP OUTLET
PUMP INLET
CASE DRAIN
HYDRAULIC PUMP
PUMP RETURN
DRAIN RETURN
DRAIN RETURN
DRAIN RETURN
PUMP SUPPLY
E-PUMP SUPPLY
HYDRAULIC TANK
EMERGENCY PUMP
EXTEND
RETRACT
LIFT CYLINDER

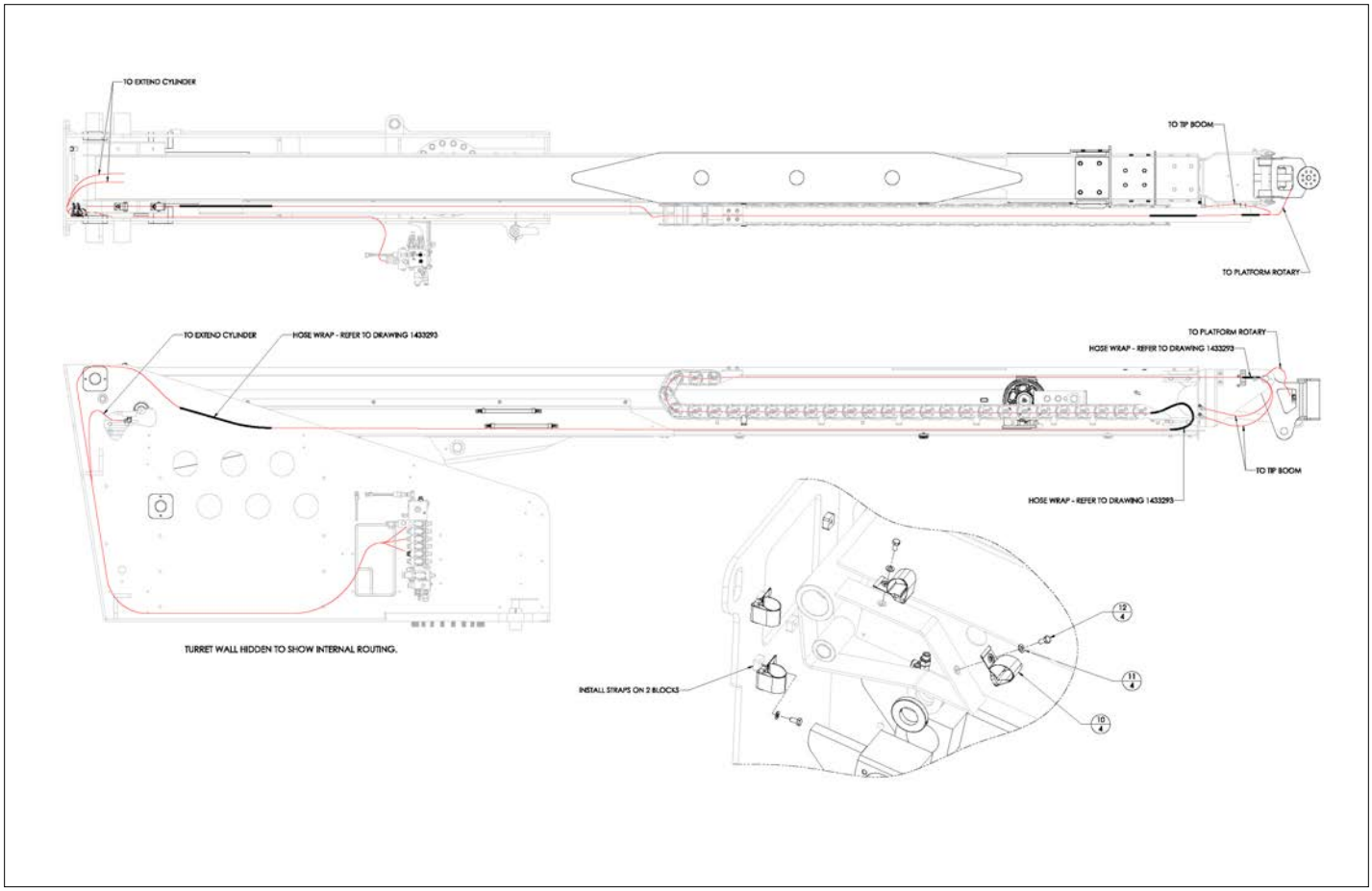

25
A/R
USE HOSE WRAP THROUGH GUSSET
TURRET WALL HIDDEN TO SHOW ITEM 25

アイテム	部品番号	名前	数量	UOM
-	1433656A	TURRET HYDRAULIC HOSE INSTALL		EA
2	1433631	HYD HOSE 471TC-12 3000PSI 54"	1	EA
3	1433632	HYD HOSE 471TC-6 3000PSI 24.5"	1	EA
4	1433633	HYD HOSE 471TC-12 3000PSI 79"	1	EA
5	1433634	HYD HOSE 471TC-12 3000PSI 78"	1	EA
6	1433635	HYD HOSE 471TC-8 3000PSI 61.5"	1	EA
7	1433636	HYD HOSE 471TC-6 3000PSI 52.5"	1	EA
8	1433637	HYD HOSE 471TC-4 3000PSI 52.5"	1	EA
9	1433638	HYD HOSE 471TC-6 3000PSI 82"	1	EA
10	1433639	HYD HOSE 471TC-6 3000PSI 82"	1	EA
11	1433640	HYD HOSE 471TC-6 3000PSI 50.5"	1	EA
12	1433641	HYD HOSE 471TC-6 3000PSI 51.5"	1	EA
13	1433642	HYD HOSE 471TC-4 3000PSI 91.5"	1	EA
14	1433643	HYD HOSE 471TC-4 3000PSI 74"	1	EA
15	1433644	HYD HOSE 471TC-6 3000PSI 40"	1	EA
16	1433645	HYD HOSE 471TC-6 3000PSI 41.5"	1	EA
17	1433646	HYD HOSE 471TC-6 3000PSI 43.5"	1	EA
18	1433647	HYD HOSE 471TC-6 3000PSI 41.5"	1	EA
19	1433648	HYD HOSE 471TC-12 3000PSI 81.5	1	EA

アイテム	部品番号	名前	数量	UOM
20	1433649	HYD HOSE 787TC-12 5000PSI 53"	1	EA
21	1433650	HYD HOSE 787TC-12 5000PSI 20"	1	EA
22	1433651	HYD HOSE 787TC-12 5000PSI 33.5	1	EA
23	1433652	HYD HOSE 787TC-12 5000PSI 30"	1	EA
24	1433653	HYD SUCTION HOSE 881-20 41"	1	EA
25	12139-999	GUARD HOSE WRAP SL-3.0-1050B	1FT	EA
-	1433655	HOSE KIT, TURRET	REF ONLY	EA

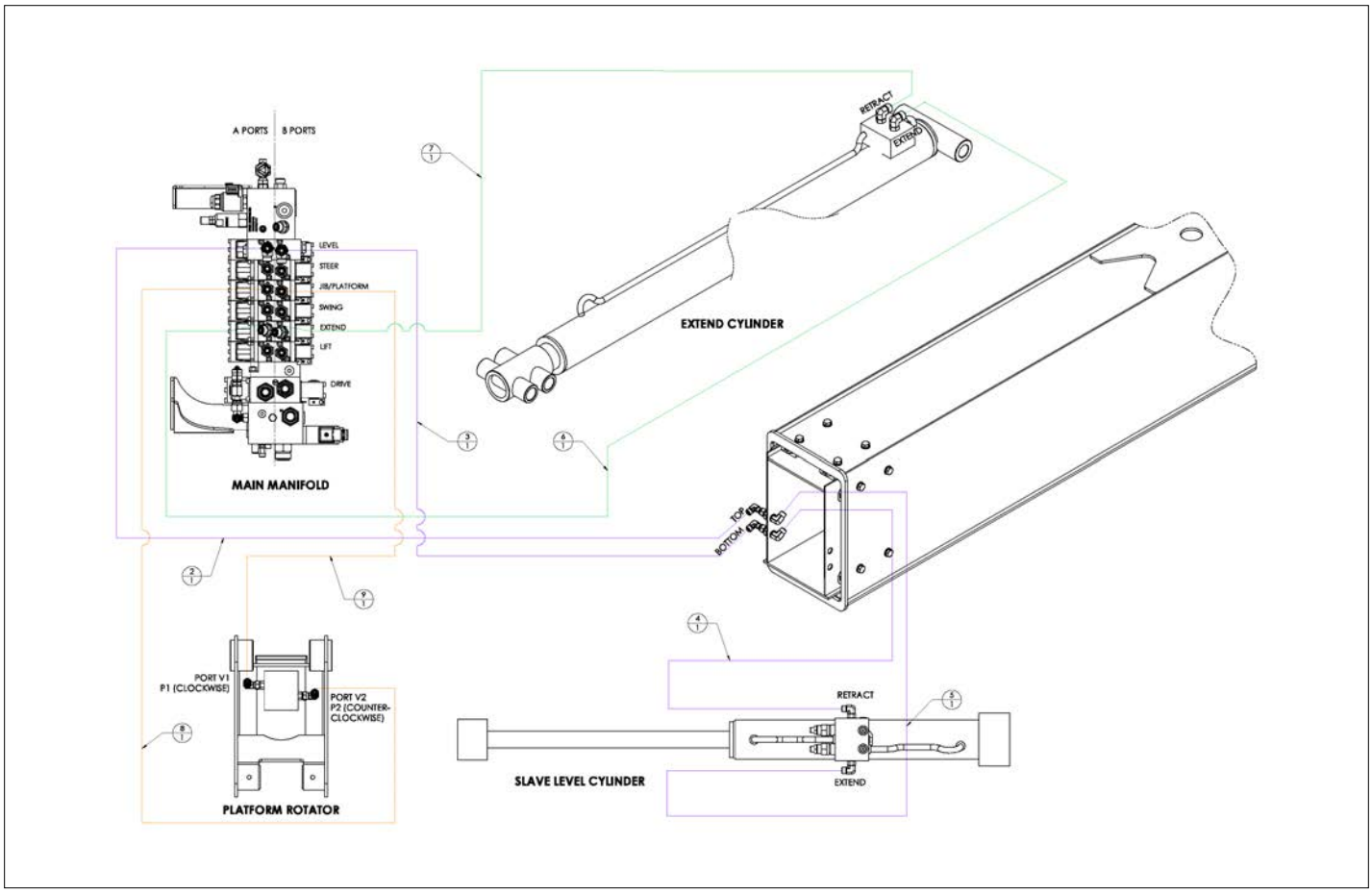
HYDRAULICS

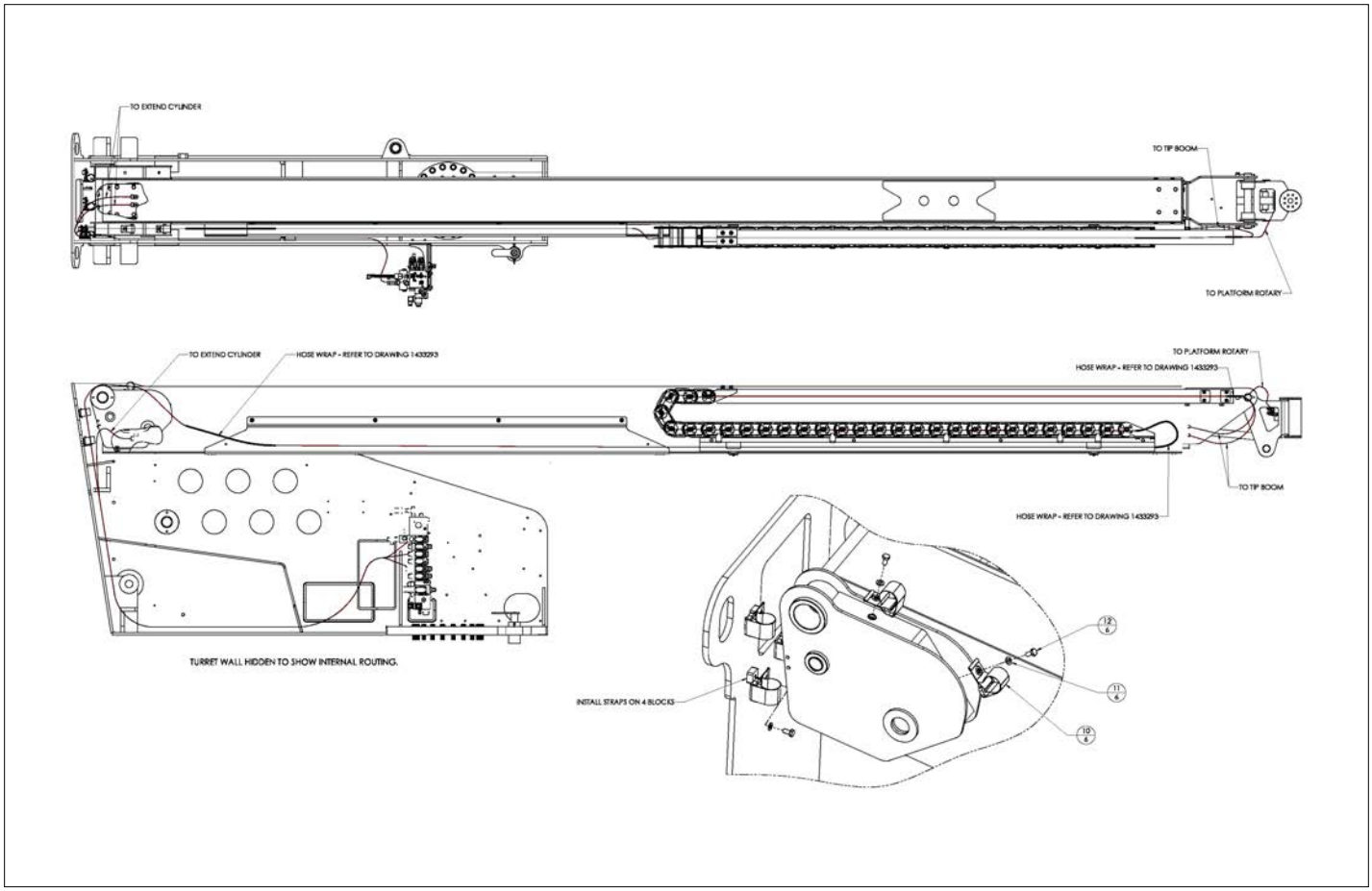

A PORTS
B PORTS
LEVEL
STEER
JIB/PLATFORM
SWING
EXTEND
LIFT
DRIVE
MAIN MANIFOLD
RETRACT
EXTEND
EXTEND CYLINDER
TOP HOSE
BOTTOM HOSE
TIP BOOM
PARTS HIDDEN TO SHOW BULKHEAD FITTINGS
PORT V1
P1 (CLOCKWISE)
PORT V2
P2 (COUNTER-
CLOCKWISE)
PLATFORM ROTATOR
RETRACT
EXTEND
SLAVE LEVEL CYLINDER


TO EXTEND CYLINDER
TO TIP BOOM
TO PLATFORM ROTARY
TO EXTEND CYLINDER
HOSE WRAP - REFER TO DRAWING 1433293
TO PLATFORM ROTARY
HOSE WRAP - REFER TO DRAWING 1433293
TO TIP BOOM
HOSE WRAP - REFER TO DRAWING 1433293
TURRET WALL HIDDEN TO SHOW INTERNAL ROUTING.
INSTALL STRAPS ON 2 BLOCKS
12
4
11
4
10
4

アイテム	部品番号	名前	数量	UOM
*	1433672 C	BOOM HOSE INSTALLATION 400S		EA
1	1433671	HOSE KIT, BOOM, 400S	1	EA
2	1433965	HYD HOSE, -4, 4 STR X 6 90 °	1	EA
3	1433964	HYD HOSE, -4, 4 STR X 6 90 °	1	EA
4	1433667	HYD HOSE 471TC-6 3000PSI 130"	1	EA
5	1433668	HYD HOSE 471TC-6 3000PSI 133"	1	EA
6	1433953	HYD HOSE, -4, 4 STR X 6 45 °	1	EA
7	1433954	HYD HOSE, -6, 6 STR X 6 45 °	1	EA
8	1432265	HYD HOSE 471 TC -4 3000 PSI X 13.5"	1	EA
9	1432266	HYD HOSE 471 TC -4 3000 PSI X 15.0"	1	EA
10	9960024	PYTHON STRAP, ADJUSTABLE 2-2.5	4	EA
11	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	4	EA
12	058492-016	HHCS M8 x 1. 25 X 16GR 8.8 DIN933	4	EA

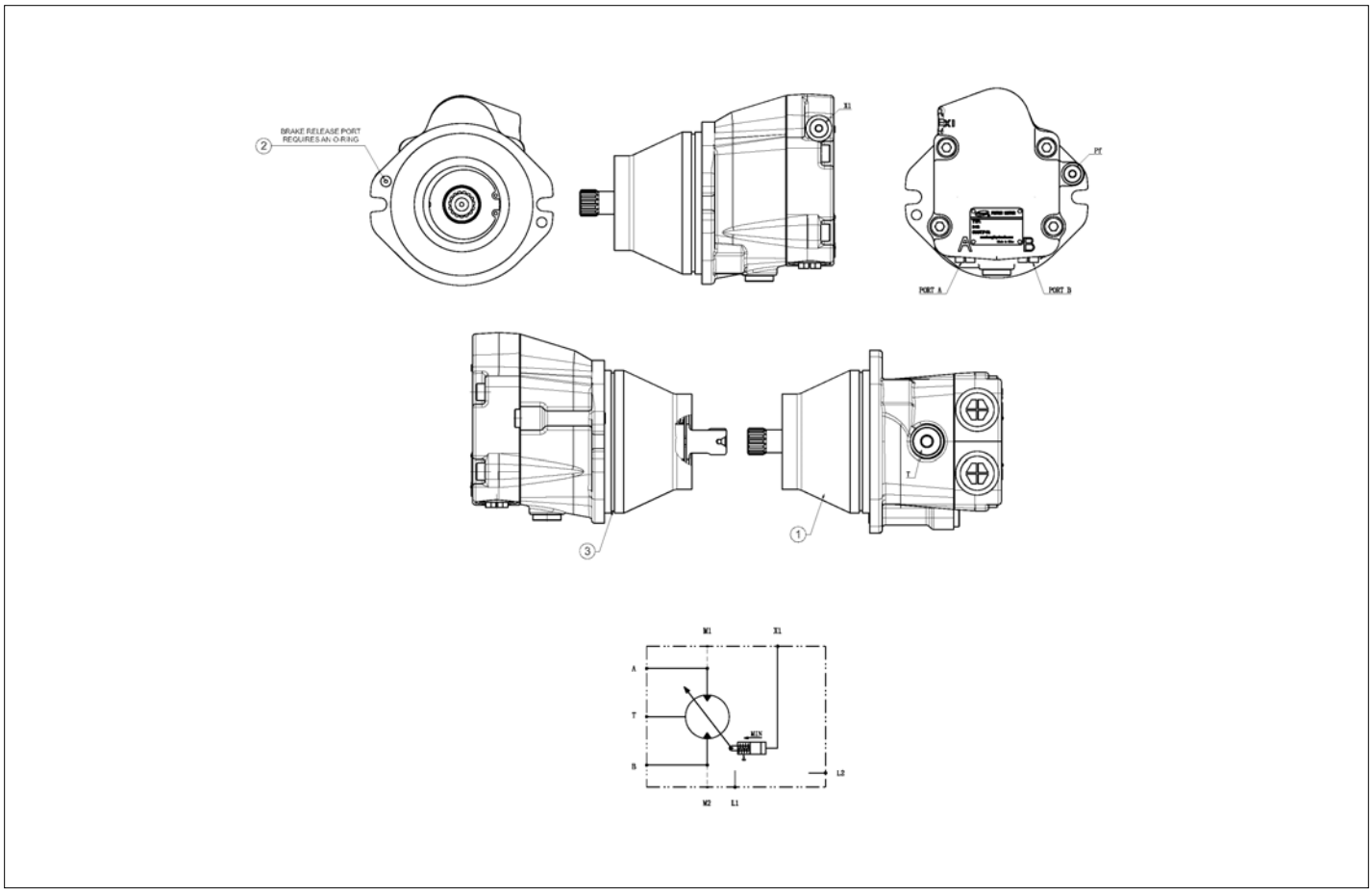
HYDRAULICS


A PORTS
B PORTS
LEVEL
STEER
JIB/PLATFORM
SWING
EXTEND
LIFT
DRIVE
MAIN MANIFOLD
RETRACT
EXTEND
EXTEND CYLINDER
TOP
BOTTOM
PORT V1
P1 (CLOCKWISE)
PORT V2
P2 (COUNTER-
CLOCKWISE)
PLATFORM ROTATOR
RETRACT
EXTEND
SLAVE LEVEL CYLINDER


TO EXTEND CYLINDER
TO TIP BOOM
TO PLATFORM ROTARY
TO EXTEND CYLINDER
HOSE WRAP - REFER TO DRAWING 1433293
TO PLATFORM ROTARY
HOSE WRAP - REFER TO DRAWING 1433293
TO TIP BOOM
HOSE WRAP - REFER TO DRAWING 1433293
TURRET WALL HIDDEN TO SHOW INTERNAL ROUTING.
INSTALL STRAPS ON 4 BLOCKS
12
6
11
6
10
6

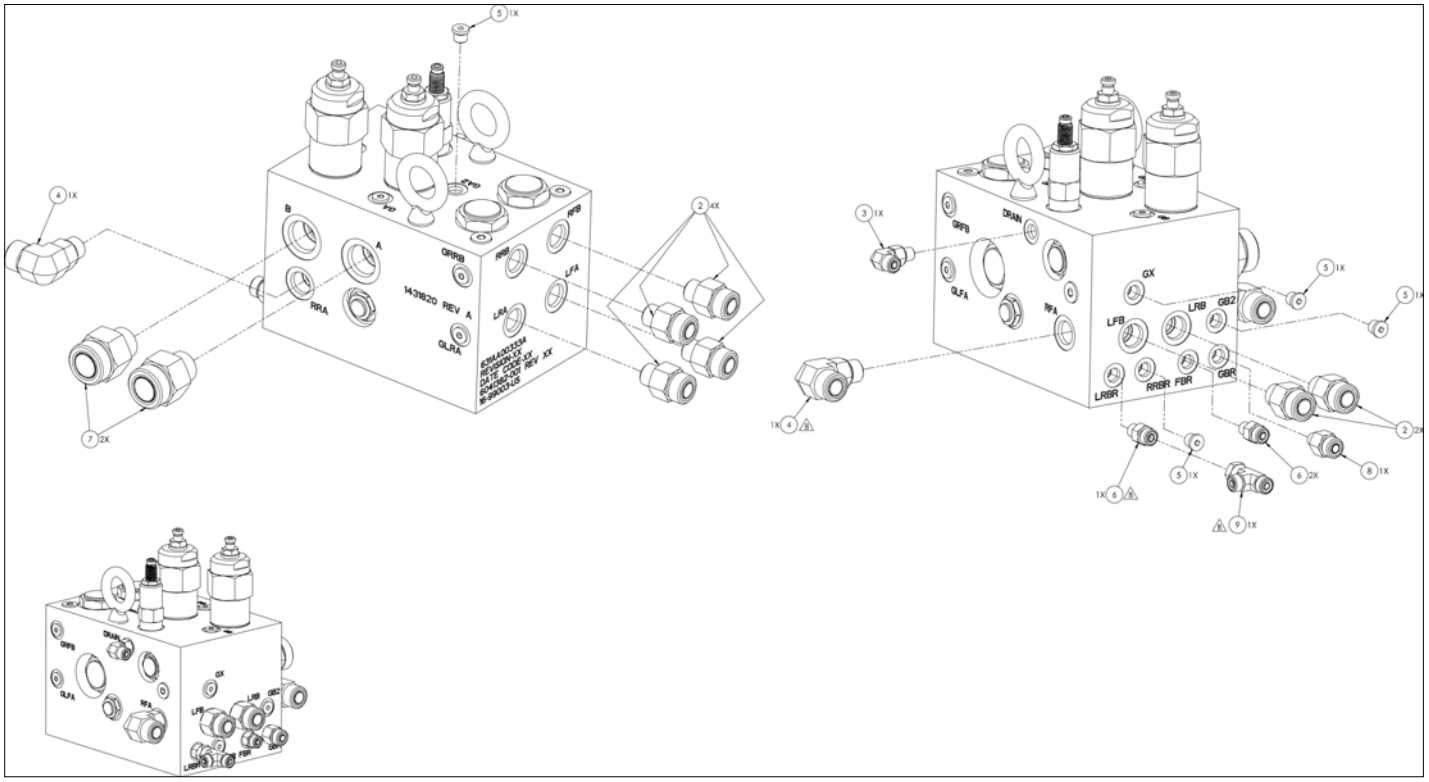
アイテム	部品番号	名前	数量	UOM
-	1433672A	BOOM HOSE INSTALLATION 400S		EA
1	1433671	HOSE KIT, BOOM, 400S	REF ONLY	EA
2	1433663	HYD HOSE 471TC-4 3000PSI 609"	1	EA
3	1433664	HYD HOSE 471TC-4 3000PSI 609"	1	EA
4	1433667	HYD HOSE 471TC-6 3000PSI 130"	1	EA
5	1433668	HYD HOSE 471TC-6 3000PSI 133"	1	EA
6	1433669	HYD HOSE 471TC-4 3000PSI 609"	1	EA
7	1433670	HYD HOSE 471TC-4 3000PSI 609"	1	EA
8	1432265	HYD HOSE 471 TC -4 3000 PSI X 13.5"	1	EA
9	1432266	HYD HOSE 471 TC -4 3000 PSI X 15.0"	1	EA
10	9960023	PYTHON STRAP, ADJUSTABLE 1-1.5	6	EA
11	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	6	EA
12	058492-016	HHCS M8 x 1. 25 X 16GR 8.8 DIN933	6	EA

HYDRAULICS


BRAKE RELEASE PORT
REQUIRES AN O-RING
X1
PT
PORT A
PORT B
T
M1
X1
A
T
B
L2
M2
L1

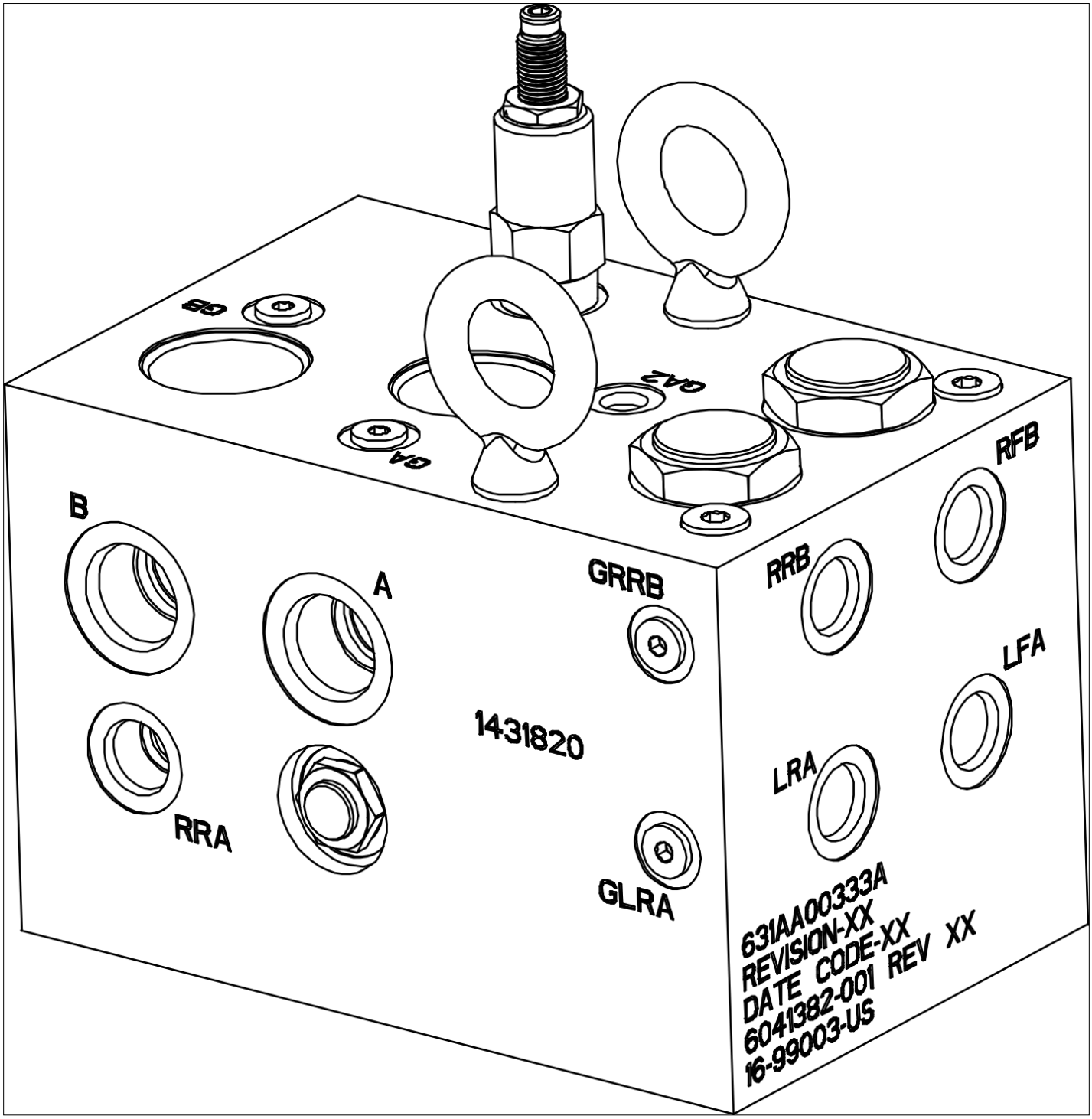
アイテム	部品番号	名前	数量	UOM
-	104665-001A	DRIVE MOTOR HENGLI		EA
1	6092096	SEAL KIT FOR 104665-001	1	EA
2	0260099	O-Ring	1	EA
3	0260070	O-Ring	1	EA

HYDRAULICS



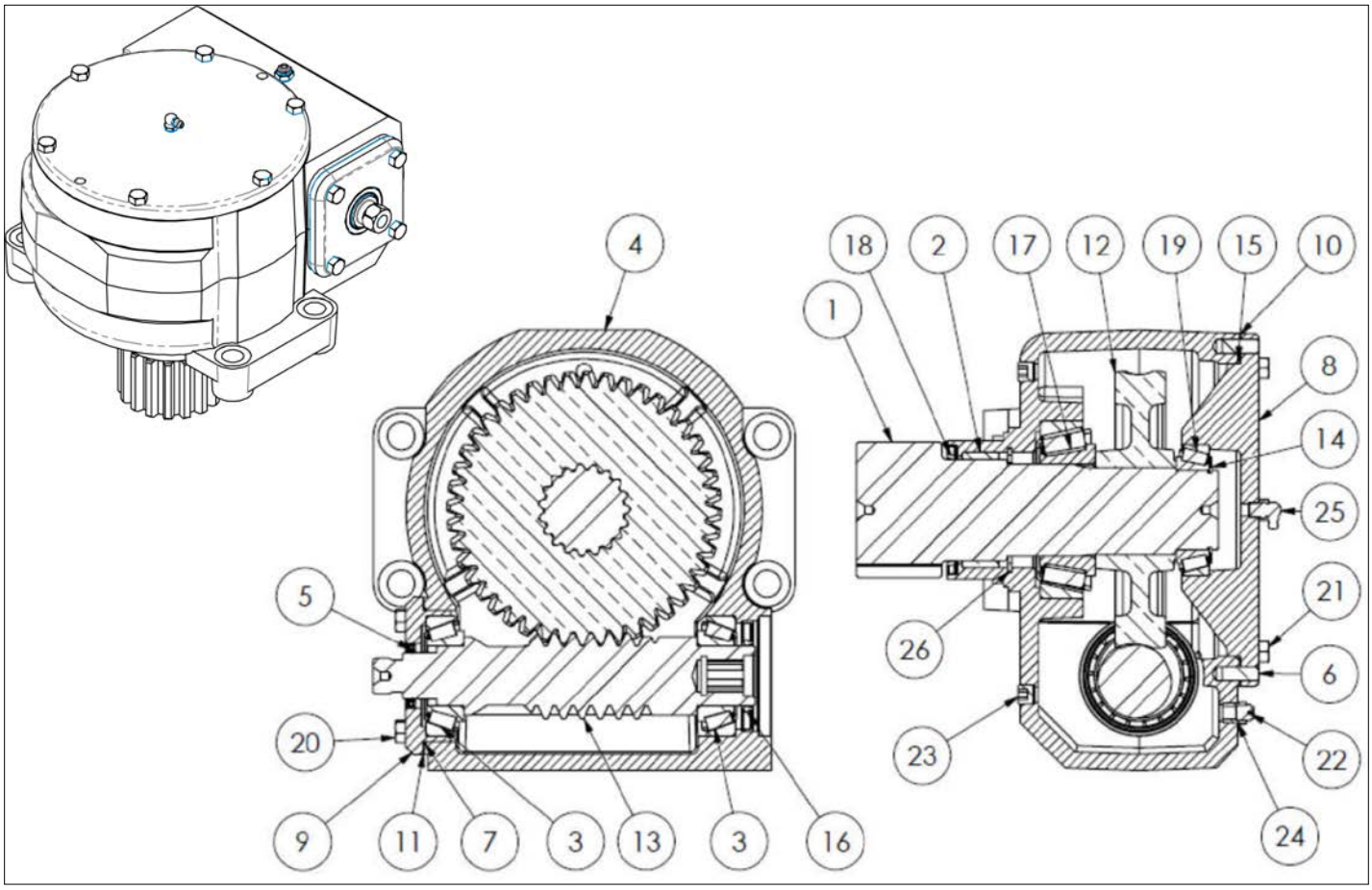
アイテム	部品番号	名前	数量	UOM
-	1432753 B	TRACTION MANIFOLD ASSEMBLY		EA
1	1431820	TRACTION MANIFOLD 660SJ	1	EA
2	511542-000	FTG, STR, 10MORFF X 8MORB	6	EA
3	100434-002	FITTING 4MORFF X 4MORB 90 °	1	EA
4	5033062	FTG, 90 ° , 10MORFF X 8MORB	2	EA
5	5075303	ADAPTER PLUG SOCKET -4 SAE	4	EA
6	100432-002	Hyd Fitting - Straight ORFS(04) - SAE(04)	2	EA
7	5111677	FTG STR 16 MORFS X 12 MORB	2	EA
8	100432-007	Hyd Fitting - Straight ORFS(06)- SAE(04)	1	EA
9	5033035	TEE RUN SWVL, 4FORRFS X 4FORFS X 4 MORFS	1	EA

HYDRAULICS


GB
GA2
GA
B
A
GRRB
RRB
RFB
LFA
LRA
1431820
RRA
GLRA
631AA00333A
REVISION-XX
DATE CODE-XX
6041382-001 REV XX
16-99003-US

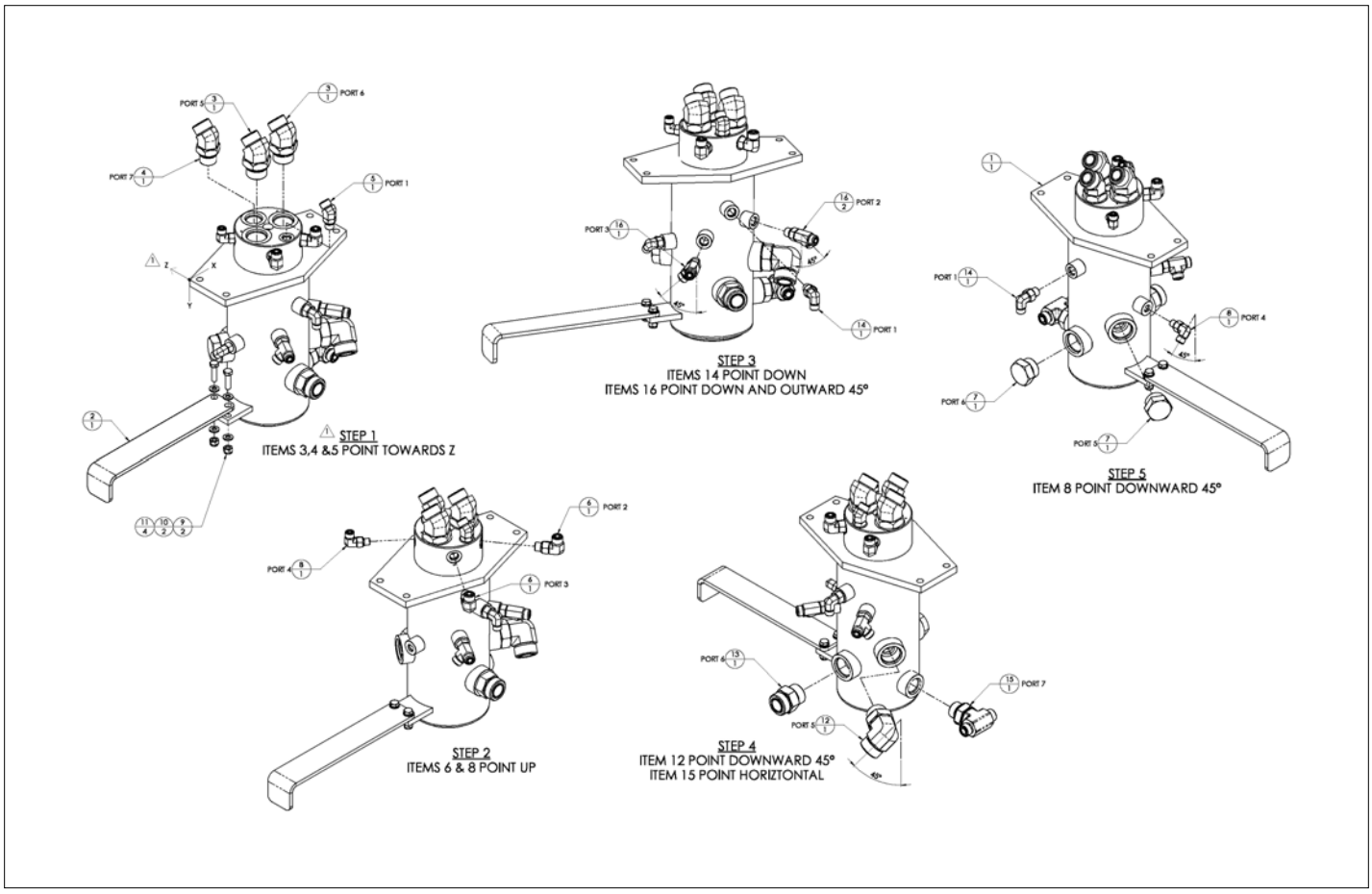
アイテム	部品番号	名前	数量	UOM
-	1431820C	TRACTION MANIFOLD		EA
2	6091931	FLOW DIVIDER COMBINER	2	EA
-	6091931	FLOW DIVIDER COMBINER	2	EA
3	6091932	FLOW DIVIDER COMBINER	1	EA
-	6091932	FLOW DIVIDER COMBINER	1	EA
4	6091933	OVERCENTER VALVE	2	EA
-	6091933	OVERCENTER VALVE	2	EA
5	6091934	SHUTTLE VALVE	1	EA
-	6091934	SHUTTLE VALVE	1	EA
6	6091935	PRESSURE REDUCING VALVE	1	EA
-	6091935	PRESSURE REDUCING VALVE	1	EA
7	6091936	CHECK VALVE	1	EA
14	6091937	ORIFICE PLUG	1	EA
15	6091938	ORIFICE PLUG	2	EA

HYDRAULICS



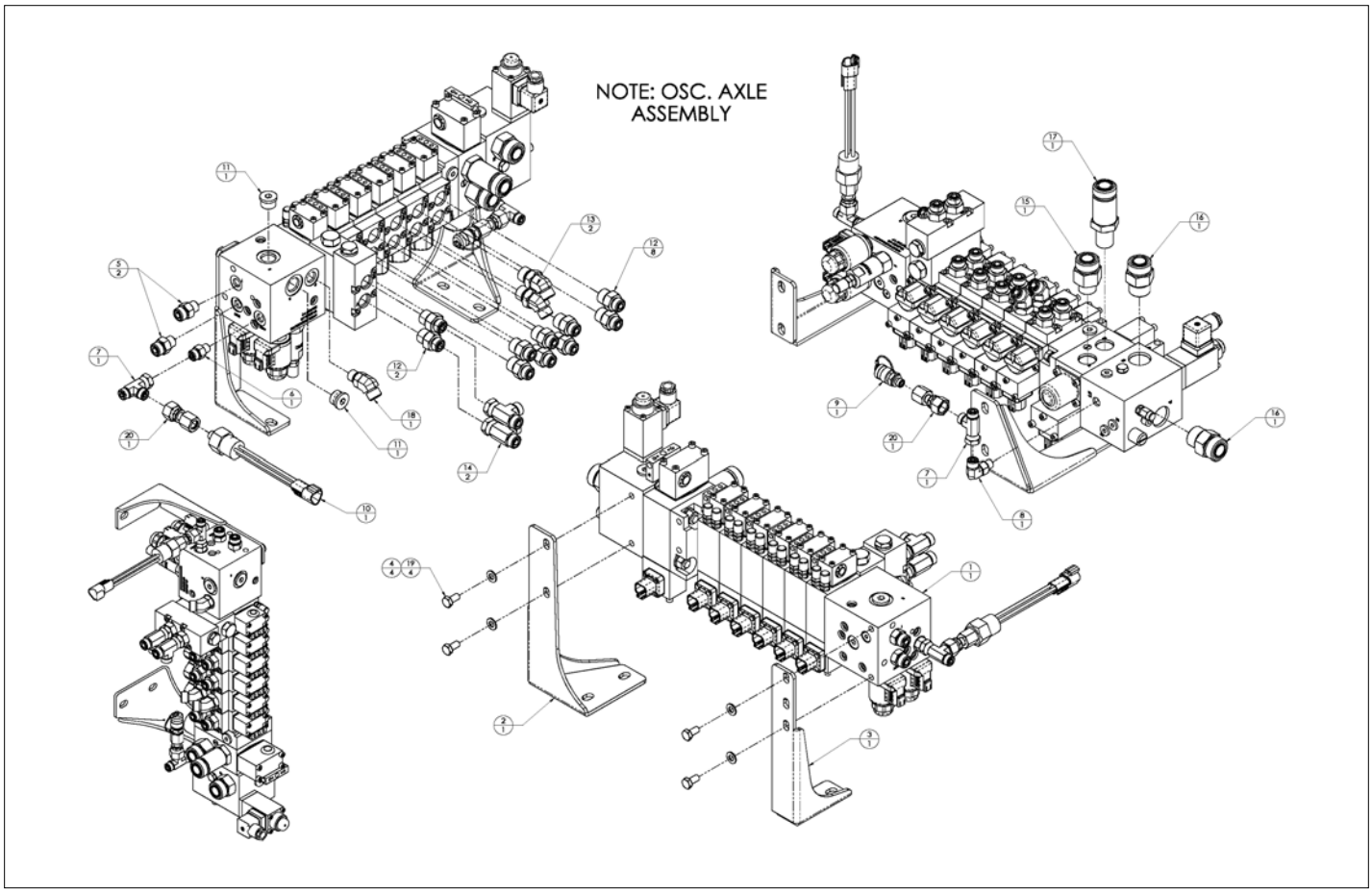
アイテム	部品番号	名前	数量	UOM
-	106755-000 A	SWING DRIVE GEARBOX		EA
1	106755-100	PINION, OUTPUT	1	EA
2	106755-101	BUSHING, BRONZE	1	EA
3	106755-102	BRG, ROLL CUP M802011 & CONE M802048	2	EA
4	N/A	NOT SOLD SEPARATELY	N/A	EA
5	106755-103	SEAL, OIL #12172PTC	1	EA
6	106755-104	PIN, DOWELL 3/8x1"	2	EA
7	106755-105	O-RING, PARKER 2-043	1	EA
8	106755-106	CAP, BLIND GEAR	1	EA
9	106755-107	CAP, WORM	1	EA
10	N/A	NOT SOLD SEPARATELY	N/A	EA
11	N/A	NOT SOLD SEPARATELY	N/A	EA
12	106755-108	WORM GEAR 44:1	1	EA
13	106755-109	WORM 44:1	1	EA
14	106755-110	SNAP RING-EXT MRRXAN 215	1	EA
15	106755-111	O-RING, PARKER 2-170	1	EA
16	106755-112	SEAL, OIL#16422	1	EA
17	106755-113	BRG, ROLLER CUP HM212011 & CONE HM212049 1		EA
18	106755-114	SEAL, OIL #27271	1	EA
19	106755-115	BRG, ROLL SET 32011XM-90KMI	1	EA
20	106755-116	3/8-16X1"LG HHCS	4	EA
21	106755-117	3/8-16X1-1/8"LG HHCS	6	EA
22	106755-118	VENT, PRESSURE 1-5 PSIG	1	EA
23	106755-119	1/4-18 NPTF HEX PLUG	2	EA
24	106755-120	BUSHING, RED 1/4-1/8 NPTF	1	EA
25	106755-121	GREASE FITTING #1613-B	1	EA
26	106755-122	SNAP RING-INT HO315STPA	1	EA

HYDRAULICS


STEP 1
ITEMS 3,4 &5 POINT TOWARDS Z
STEP 2
ITEMS 6 & 8 POINT UP
STEP 3
ITEMS 14 POINT DOWN
ITEMS 16 POINT DOWN AND OUTWARD 45°
STEP 4
ITEM 12 POINT DOWNWARD 45°
ITEM 15 POINT HORIZTONTAL
STEP 5
ITEM 8 POINT DOWNWARD 45°

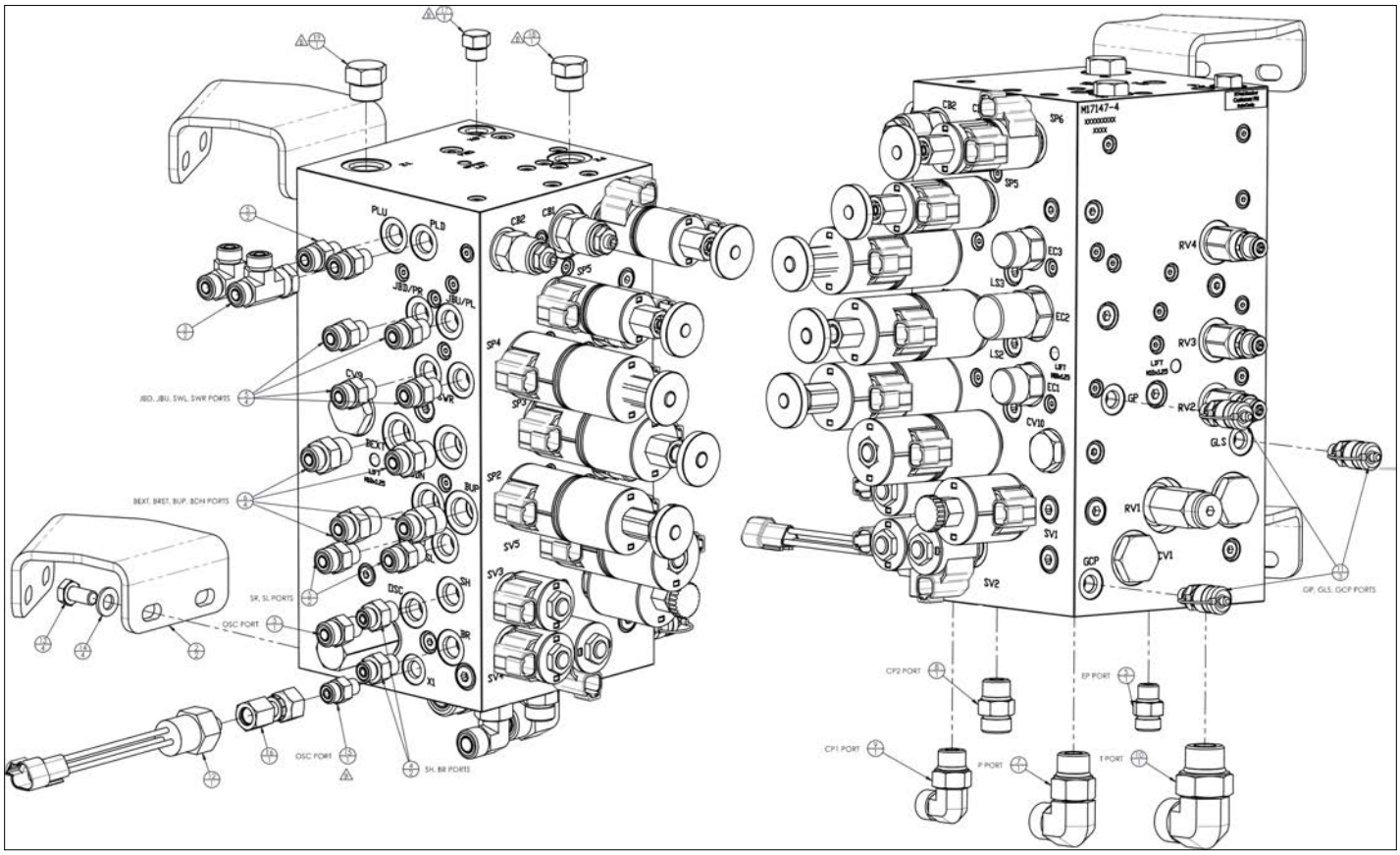
アイテム	部品番号	名前	数量	UOM
-	1433031C	ROTATY MANIFOLD ASSEMBLY 400S/460SJ		EA
1	6019377	7 PRT ROT. MFD HYDMTN	1	EA
2	1433032	ROTARY MANIFOLD STOP	1	EA
3	104811-000	16MORFF X 12MB 45 ° FITTING	2	EA
4	511586-000	FTG, 45 ° , 12MORFF X 12MORB	1	EA
5	100433-005	FTG, 45 ° , 6MORFF X 6MORB	1	EA
6	511481-000	FTG, 90 ° , 6MORFF X 6MORB	2	EA
7	5075210	FTG PL HEX HD-16B STL	6	EA
8	100434-002	FITTING 4MORFF X 4MORB 90 °	2	EA
9	056064-010	Nut NylockNut DIN985 M10 10.0	2	EA
10	058509-035	HHCS M10 X 1.5 X 35 GR10.9 DIN 933	2	EA
11	5563543	WSHR, FLAT M10 YL ZN GR 10.9	4	EA
12	100434-026	FTG, 90 ° , 16MORFF X 16MORB	1	EA
13	5028026	FTG, STR, 16MORFF X 16MORB	1	EA
14	100434-004	Hyd Fitting - 90 Elbow ORFS(04)-SAE(06)	2	EA
15	5033083	SWV TEE 12MORB X 8MORFF X 8MORFF SUB FOR 100435-003 SN 660SJ-04-0075 AND AFTER	1	EA
16	5033095	TEE RUN, 6MORB X 6MORFS X MMORFS	2	EA

HYDRAULICS



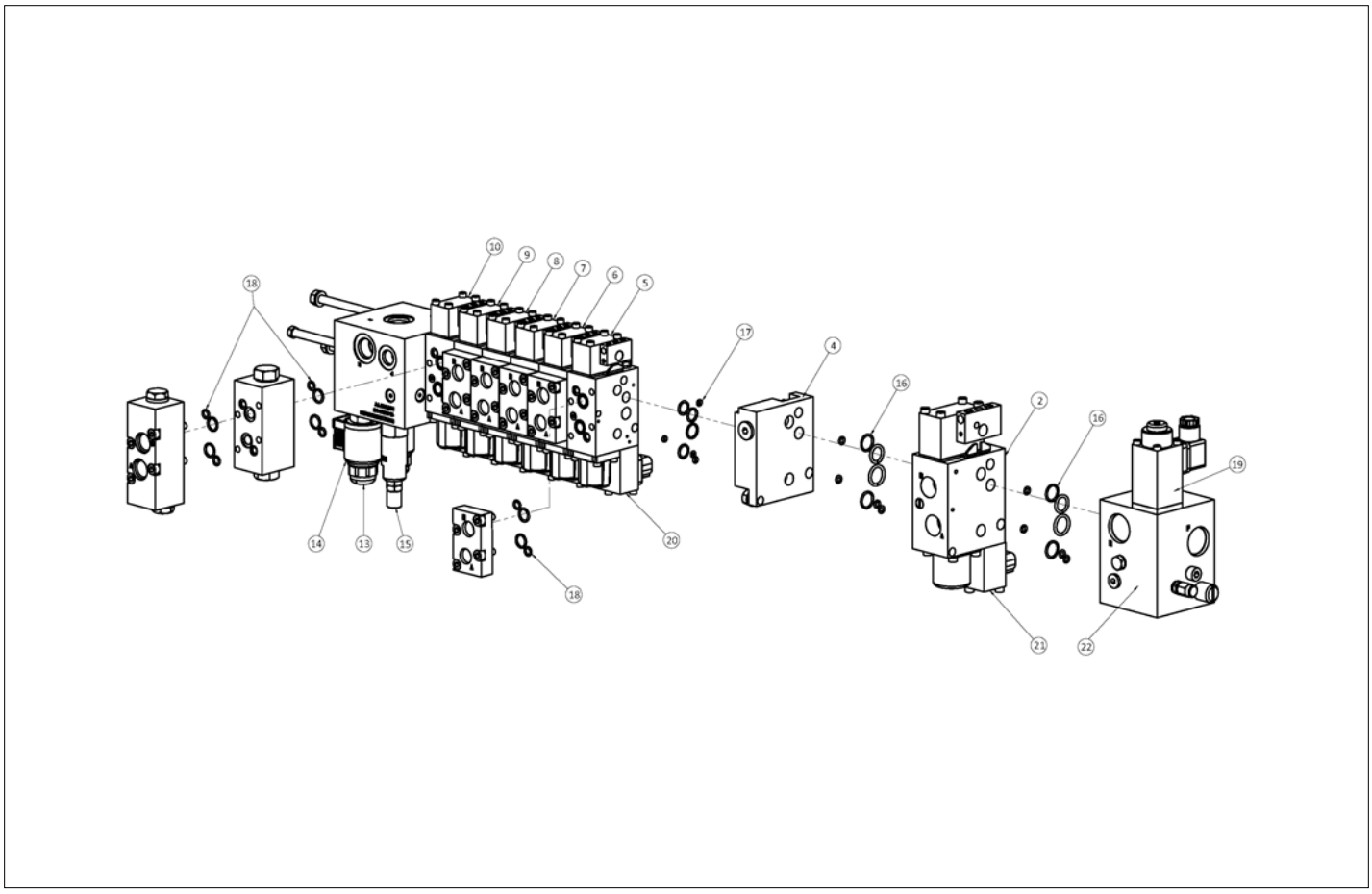
アイテム	部品番号	名前	数量	UOM
-	1433630A	MAIN MANIFOLD ASSEMBLY OSCILATING 400S/460SJ		EA
1	6019349	HYD MANIFOLD OSC AXLE	1	EA
2	1431495	BRACKET, BOTTOM HAWE VLV MNT	1	EA
3	1431494	BRACKET, TOP HAWE VALVE MOUNT	1	EA
4	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	4	EA
5	100432-009	Hyd Fitting Straight ORFS(06) - SAE(06)	2	EA
6	100432-002	Hyd Fitting - Straight ORFS(04) - SAE(04)	1	EA
7	5033035	TEE RUN SWVL, 4FORRFS X 4FORFS X 4 MORFS	2	EA
8	100434-002	FITTING 4MORFF X 4MORB 90 °	1	EA
9	063965-001	PLUG-TEST PORT	1	EA
10	3014766	SWITCH PRESS 200PSI #4SAE	1	EA
11	5075306	HEX PLUG	1	EA
12	511339-000	FTG, STR, 6MORFF X 8MORB	10	EA
13	511257-000	8MB X 6M ORFF 45 ° FITTING	2	EA
14	511356-000	FTG 6FORF 6MORF X 6MORF RUN TEE	2	EA
15	511585-000	GTG STR 10 MORB X 12 MORFS	1	EA
16	100432-027	Hyd Fitting - Straight ORFS(12) - SAE(12)	2	EA
17	5028034	12 ORFM X 10 ORFM FF5OLO LONG FTG	1	EA
18	100433-005	FTG, 45 °, 6MORFF X 6MORB	1	EA
19	510681-016	HHCS M8X1.25X16 G10.9 ISO 4014	4	EA
20	511587-000	4FB X 4FW ORFF ADAPTER FITTING	2	EA

HYDRAULICS


PLU
PLD
JBD/PD
JBU/PL
JBD, JBU, SWL, SWR PORTS
BEXT
BRET
BUP
BDH
BEXT, BRET, BUP, BDH PORTS
SR, SL PORTS
OSC PORT
DISC
SH
BR
X1
OSC PORT
SH, BR PORTS
CB2
CBL
SP6
SP5
SP4
SP3
SP2
SV5
SV3
SV4
M17147-4
EC3
LS3
EC2
LS2
EC1
CV10
SV1
SV2
RV4
RV3
LS1
RV2
GP
GLS
RV1
CV1
GDP
GP, GLS, GCP PORTS
CP2 PORT
EP PORT
CP1 PORT
P PORT
T PORT

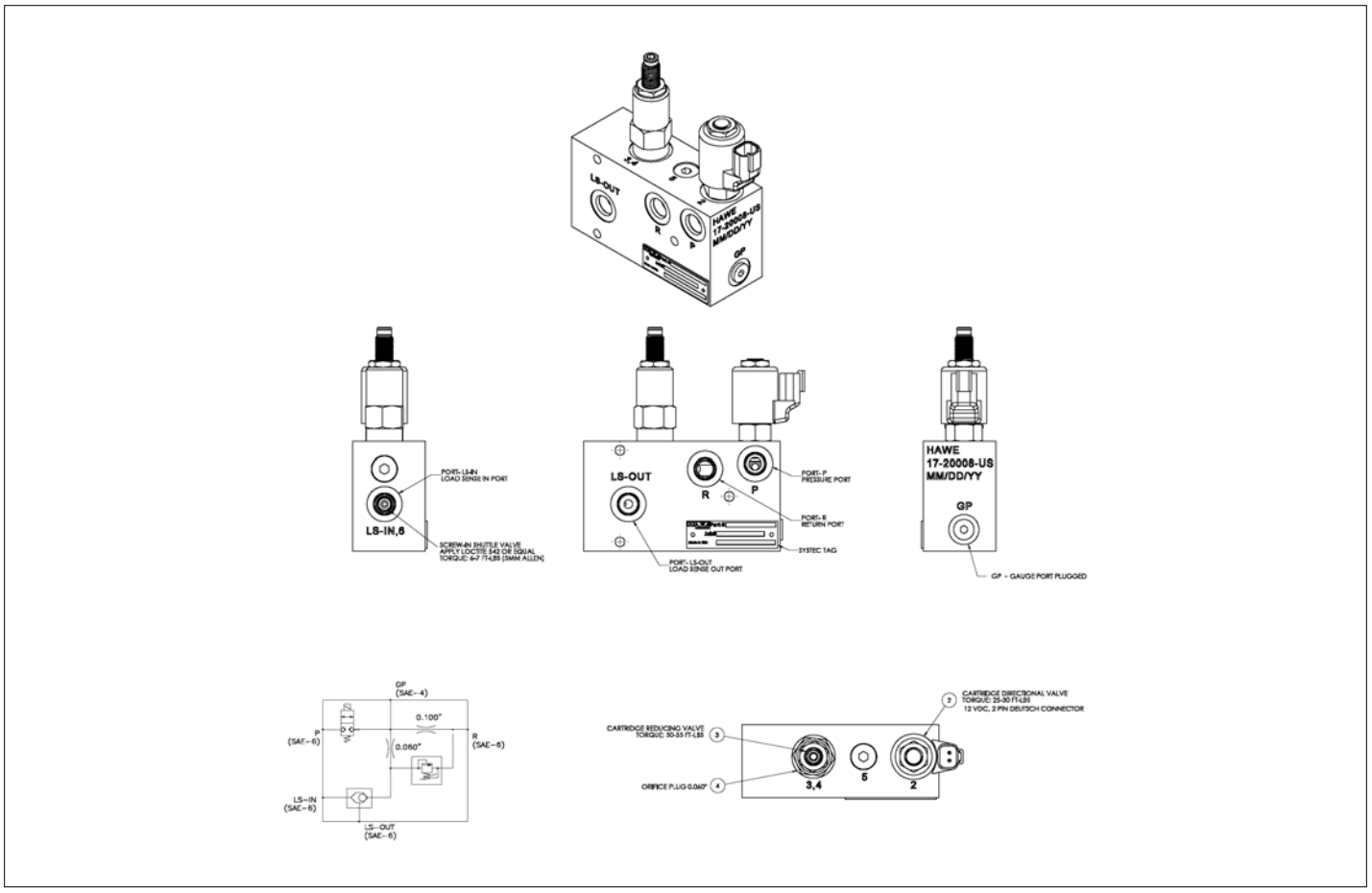
アイテム	部品番号	名前	数量	UOM
-	1434703 B	MAIN MANIFOLD ASSEMBLY 400/460 KUBOTA		EA
1	1434295	MANI HYD MANIFOLD 460/660	1	EA
2	1434366	BRKT MOUNTING MAIN MANIFOLD 400/600	2	EA
3	511356-000	FTG 6FORF 6MORF X 6MORF RUN TEE	2	EA
4	100432-004	Hyd Fitting - Straight ORFS(04) - SAE(06)	2	EA
5	100432-009	Hyd Fitting Straight ORFS(06) - SAE(06)	10	EA
6	511339-000	FTG, STR, 6MORFF X 8MORB	4	EA
7	100434-017	10 MB X 10 MORFF 90 ° FITTING	1	EA
8	100432-015	FTG, STR, 8MORFF X 8MORB	1	EA
9	100434-013	Hyd Fitting - 90 Elbow ORFS(08) - SAE(08)	1	EA
10	100434-021	Hyd Fitting - 90 Elbow ORFS(12) - SAE(12)	1	EA
11	063965-001	PLUG-TEST PORT	3	EA
12	3014766	SWITCH PRESS 200PSI #4SAE	1	EA
13	058493-020	BOLT HEXSETSCREW DIN933 M10 X 20MM 8.8 ZP	4	EA
14	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	4	EA
15	100432-002	Hyd Fitting - Straight ORFS(04) - SAE(04)	1	EA
16	511587-000	4FB X 4FW ORFF ADAPTER FITTING	1	EA
17	5075205	FTG PL HEXHD-6B STL	1	EA
18	5075206	FTG PL HEXHD-8B STL	1	EA
19	5075207	ADAPTER, PLUG -10 SAE	1	EA

HYDRAULICS



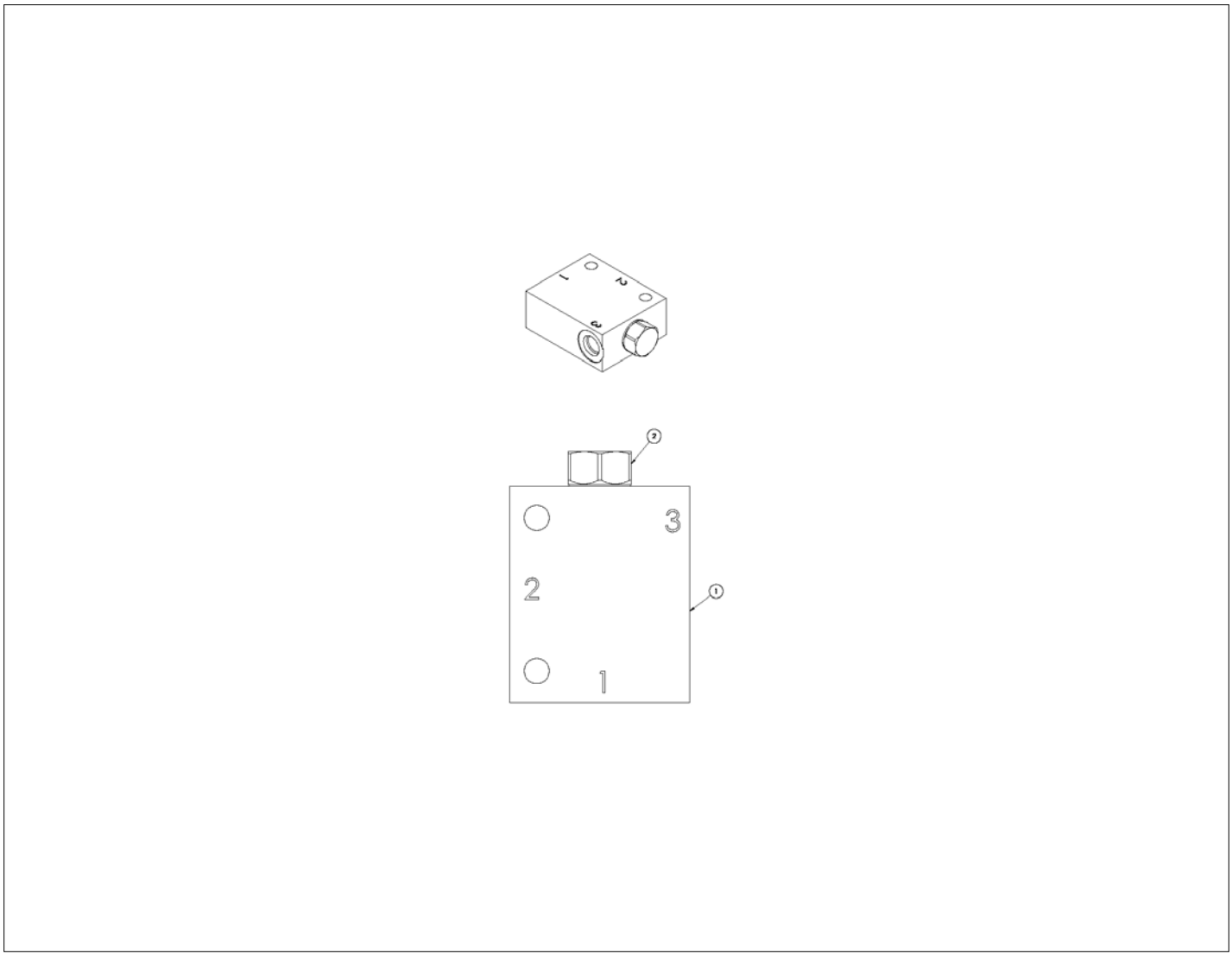
アイテム	部品番号	名前	数量	UOM
-	6019349B	MAIN CONTROL VALVE HAWE		EA
2	6091819	VALVE SECTION, DRIVE	1	EA
4	6091821	ADAPTER SECTION SZ3 TO SZ2	1	EA
5	6091823	VALVE SECTION, BOOM	1	EA
6	6091824	VALVE SECTION, TELESCOPE	1	EA
7	6091825	VALVE SECTION, SWING	1	EA
8	6091826	VALVE SECTION, JIB - PLAT ROT	1	EA
9	6091827	VALVE SECTION, STEER	1	EA
10	6091828	VALVE SECTION, LEVEL	1	EA
13	6019221	CARTRIDGE 3-WAY	2	EA
14	6091830	COIL, 12VDC	1	EA
15	6091831	PRESSURE REDUCING CARTRIDGE	1	EA
16	6091599	SEAL KIT	2	EA
17	6091822	SEAL KIT FOR 6091821	6	EA
18	6091829	SEAL KIT INTERMEDIATE PLATE	1	EA
19	6091818	IDLE CIRCULATION VALVE 12V	1	EA
20	6092019	12VDC 2 COIL W/DEUTSCHE CONN	1	EA
21	6092018	12VDC 3/5 COIL W/DEUTSCHE CONN	1	EA
22	6091815	CONTROL VALVE HAWE (INLET SECTION)	1	EA

HYDRAULICS


LS-OUT
R
P
HAWE
17-20008-US
MM/DD/YY
GP
LS-IN,6
PORT- LS-IN
LOAD SENSE IN PORT
SCREW-IN SHUTTLE VALVE
APPLY LOCTITE 243 OR EQUAL
TORQUE: 6-7 FT-LBS [5MM ALLEN]
PORT- P
PRESSURE PORT
PORT- R
RETURN PORT
SYSTEC TAG
PORT- LS-OUT
LOAD SENSE OUT PORT
GP - GAUGE PORT PLUGGED
GP
(SAE-4)
P
(SAE-6)
0.100"
0.050"
R
(SAE-6)
LS-IN
(SAE-6)
LS-OUT
(SAE-6)
CARTRIDGE DIRECTIONAL VALVE
TORQUE: 25-30 FT-LBS
12 VDC, 2 PIN DEUTSCH CONNECTOR
CARTRIDGE REDUCING VALVE
TORQUE: 50-55 FT-LBS
ORIFICE PLUG 0.040"
3,4
5
2

アイテム	部品番号	名前	数量	UOM
-	1432700A	HEATER VALVE		EA
2	6092099	CARTRIDGE, DIRECTIONAL VALVE	1	EA
3	6092100	CARTRIDGE, REDUCING VALVE	1	EA
4	6092101	ORFICE, PLUG 0.060	1	EA

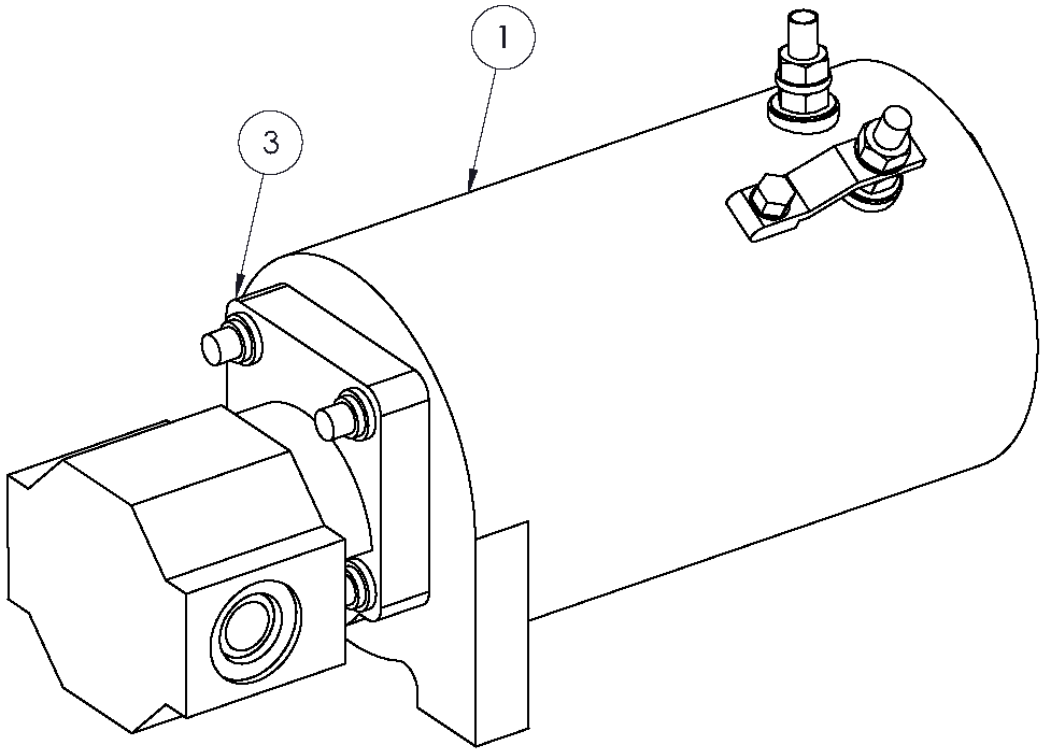
HYDRAULICS



アイテム	部品番号	名前	数量	UOM
-	6019427A	SHUTTLE VALVE ASSEMBLY		EA
1	6019428	SHUTTLE VALVE MANIFOLD	1	EA
2	6019429	SHUTTLE VALVE CARTRIDGE VALVE	1	EA

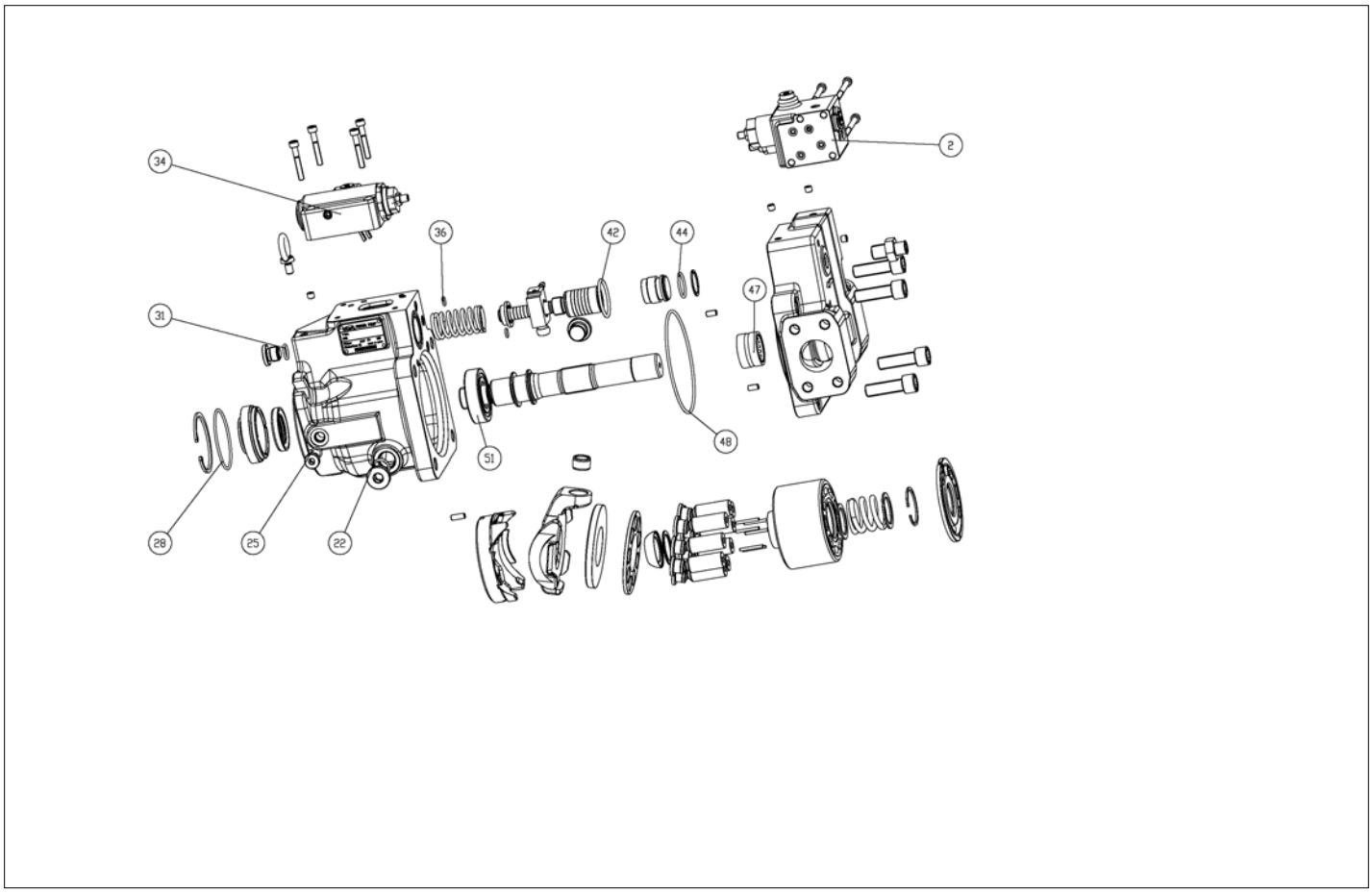
HYDRAULICS

6020058
EMERGENCY POWER UNIT ASSEMBLY



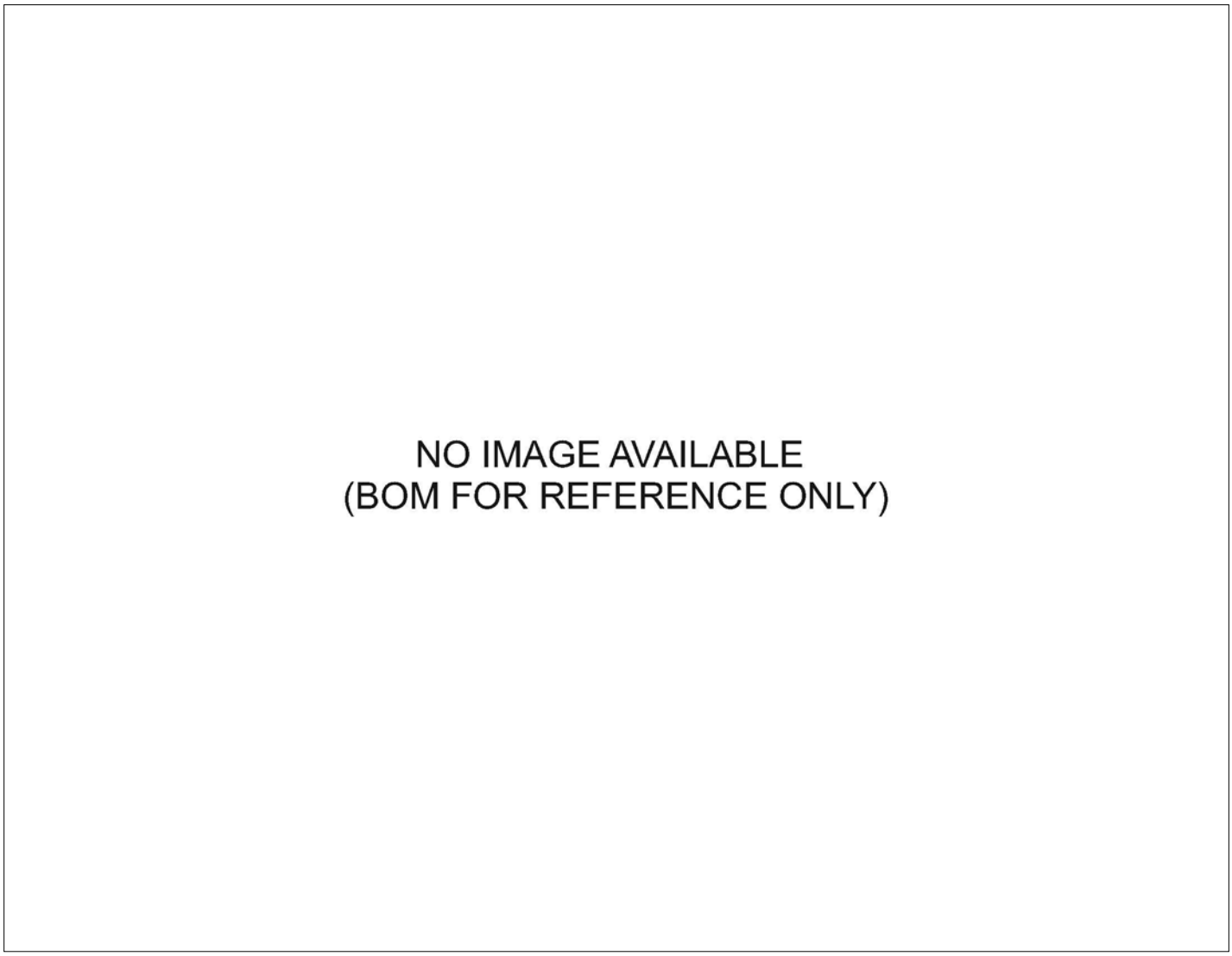
アイテム	部品番号	名前	数量	UOM
-	6020058 B	EMERGENCY POWER UNIT WUXI DELI		EA
1	6026999	GEAR PUMP	1	EA
3	6029698	DC MOTOR	1	EA

HYDRAULICS



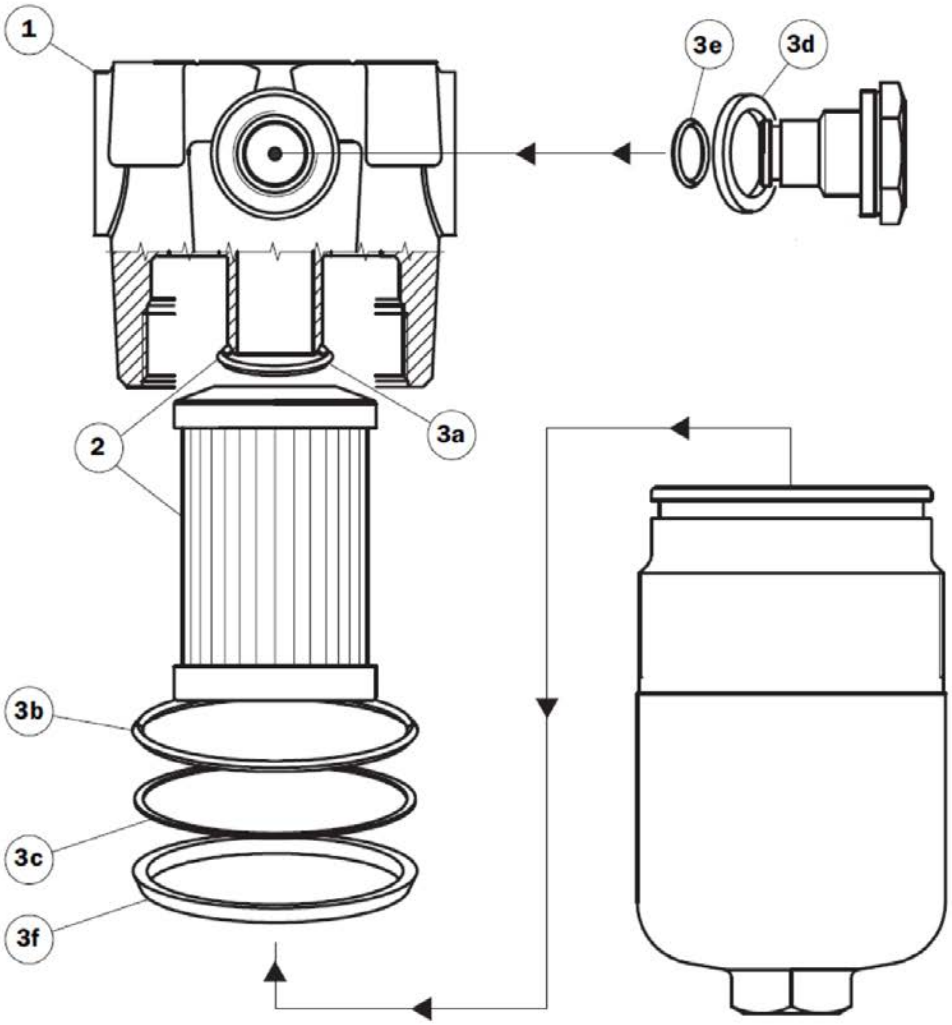
アイテム	部品番号	名前	数量	UOM
-	6029697	LOAD SENSE PUMP HENGLI	1	EA
2	6091855	CONTROL VALVE	1	EA
34	6091856	TORQUE LIMIT CONTROL	1	EA
47	6091857	NEEDLE BRARING	1	EA
51	6091858	CYLINDER ROLLER BEARING	1	EA
-	6091859	SEAL KIT	1	EA
22	KIT ITEMS	KIT ITEMS	2	EA
25	KIT ITEMS	KIT ITEMS	1	EA
28	KIT ITEMS	KIT ITEMS	1	EA
31	KIT ITEMS	KIT ITEMS	1	EA
36	KIT ITEMS	KIT ITEMS	3	EA
42	KIT ITEMS	KIT ITEMS	1	EA
44	KIT ITEMS	KIT ITEMS	1	EA
48	KIT ITEMS	KIT ITEMS	1	EA

HYDRAULICS



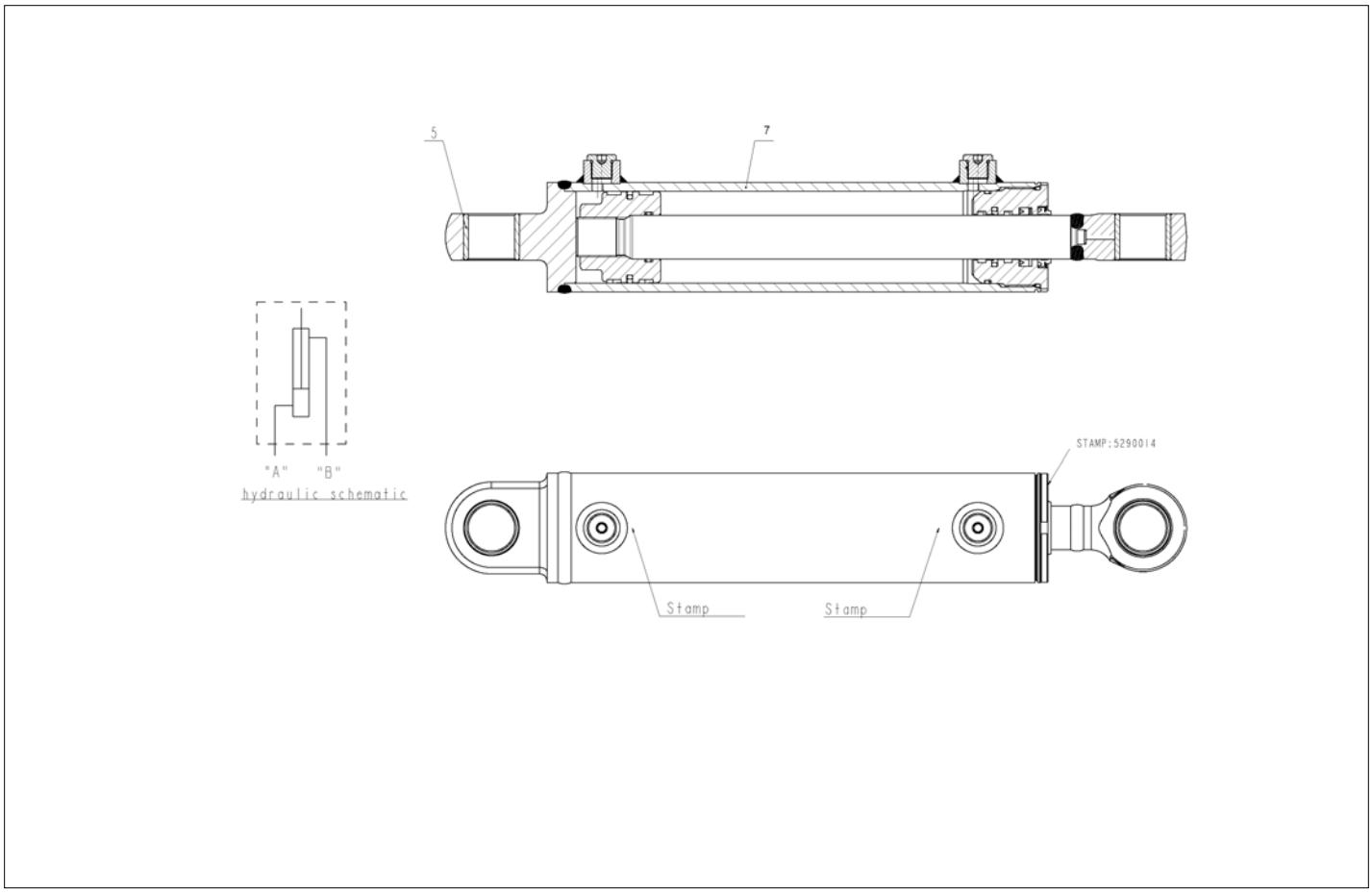
アイテム	部品番号	名前	数量	UOM
-	6029704 C	PUMP HENGLI 45CC TORQUE LIMIT 32KW NOVEMBER 2019 AND AFTER		EA
1	6092124	PUMP SEAL KIT	1	EA
2	6092125	CONTROL VALVE	1	EA
3	6092126	TORQUE LIMIT CONTROL VALVE	1	EA

HYDRAULICS



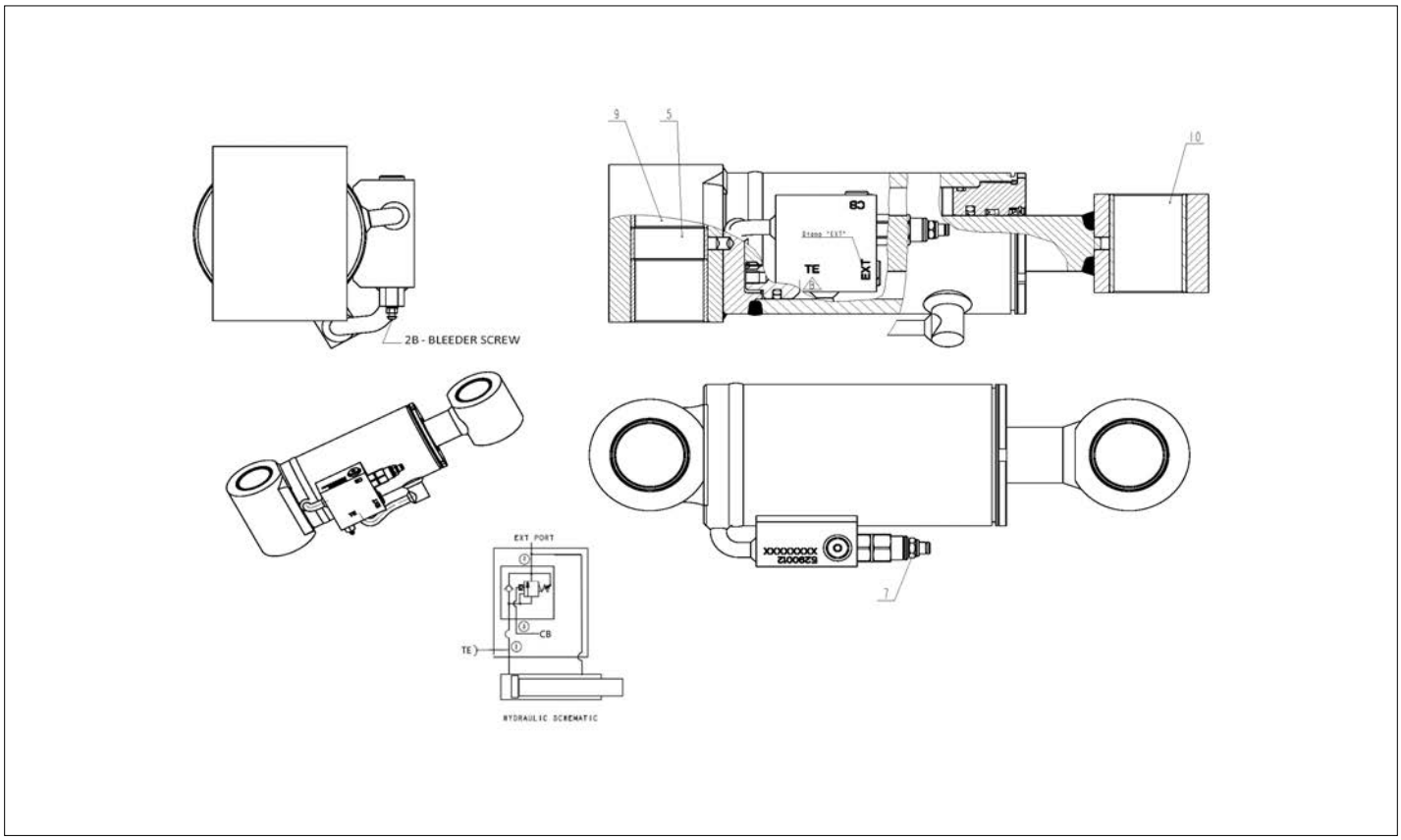
アイテム	部品番号	名前	数量	UOM
-	6019325 B	PRESSURE FILTER ASSEMBLY		EA
1	6019325	Pressure Filter	1	EA
2	6091845	REPLACEMENT FILTER ELEMENT	1	EA
-	6091846	SEAL KIT FOR 6019325	1	EA
3A	KIT ITEM	O-RING FOR FILTER ELEMENT	1	EA
3B	KIT ITEM	O-RING FOR HOUSING	1	EA
3C	KIT ITEM	ANTI-EXTRUSION RING	1	EA
3D	KIT ITEM	GASKET	1	EA
3E	KIT ITEM	O-RING	1	EA
3F	KIT ITEM	PROTECTOR SEAL	1	EA
4	6029706	INDICATOR-HYD BYPASS, 5 BAR	1	EA

HYDRAULICS



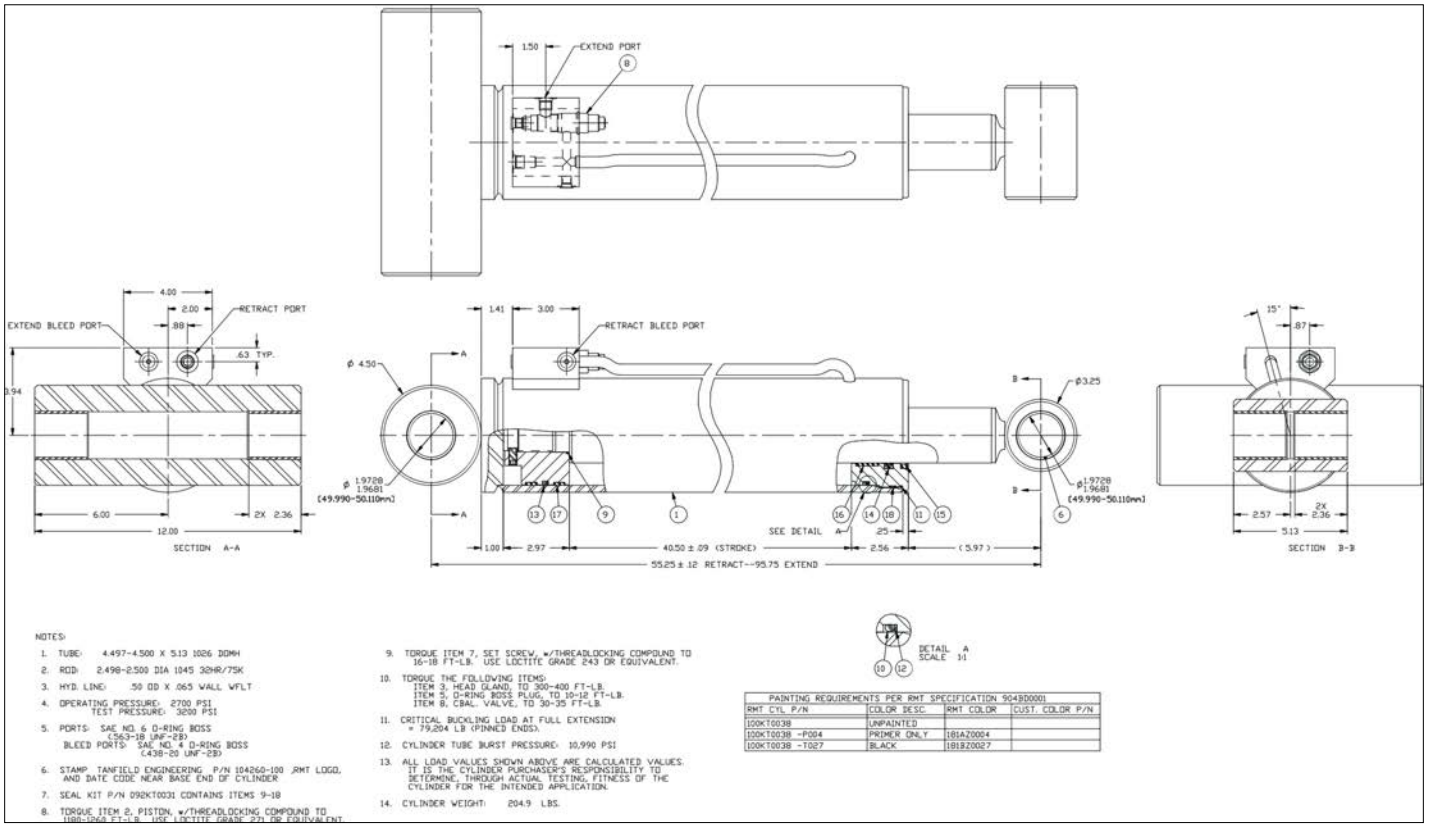
アイテム	部品番号	名前	数量	UOM
-	5290014 D	STEER CYLINDER HENGLI		EA
5	2500035	BEARING	2	EA
7	6092128	SEAL KIT	1	EA

HYDRAULICS


9
5
10
2B - BLEEDER SCREW
TE
EXT
7
EXT PORT
CB
TE
HYDRAULIC SCHEMATIC

アイテム	部品番号	名前	数量	UOM
-	5290012B	OSCILATING AXLE CYLINDER		EA
5	6092079	BUSHING	1	EA
6	6092080	BLEEDER VALVE	1	EA
7	6092081	COUNTERBALANCE VALVE	1	EA
9	6092082	BUSHING	2	EA
10	6092083	BUSHING	2	EA
13	6092084	SEAL KIT (ITEMS NOT SHOWN)	1	EA

HYDRAULICS



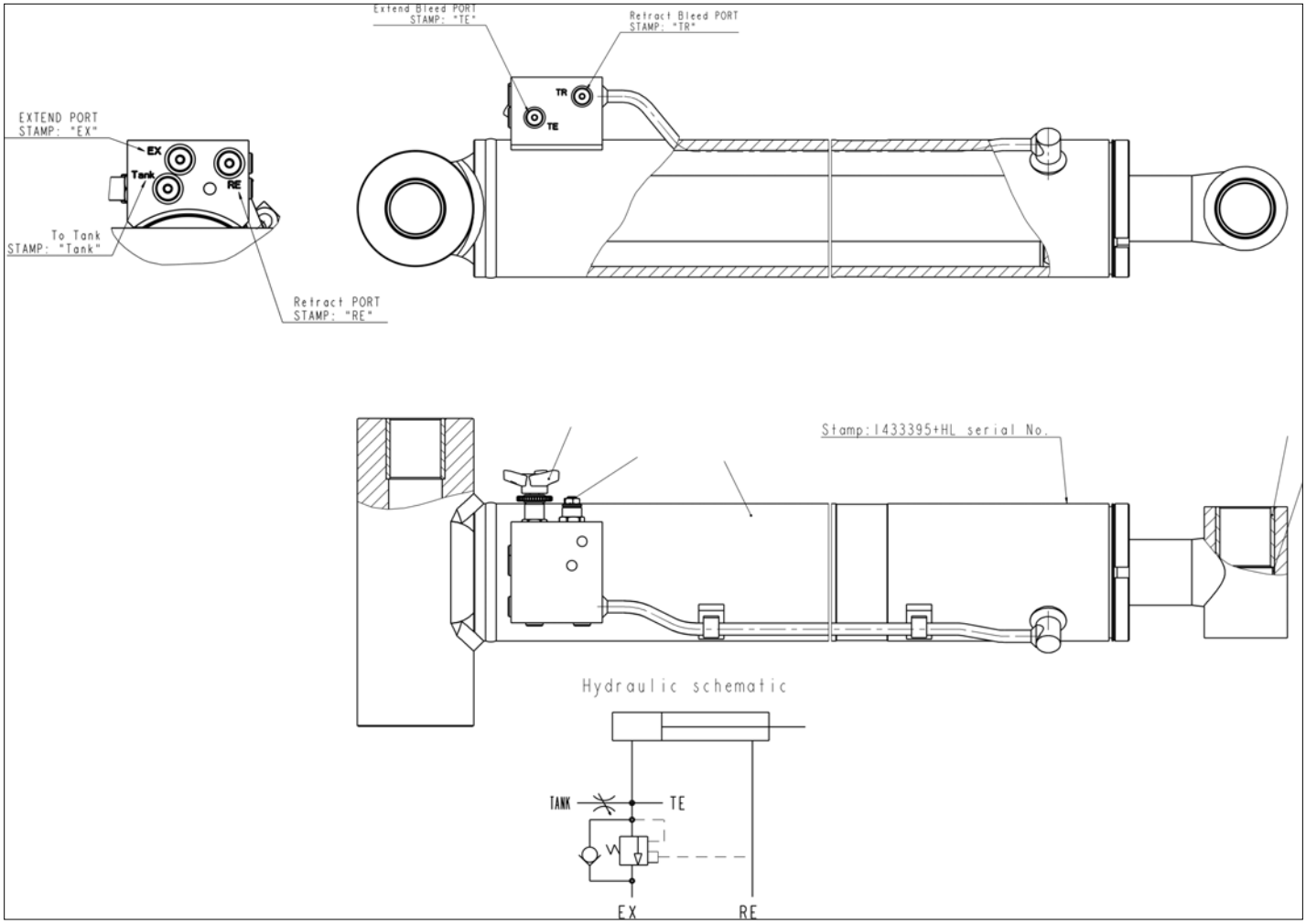
NOTES:

1. TUBE: 4.497-4.500 X 5.13 1026 DOM+H
2. ROD: 2.498-2.500 DIA 1045 32HR/75K
3. HYD. LINE: .50 OD X .065 WALL WELT
4. OPERATING PRESSURE: 2700 PSI
   TEST PRESSURE: 3200 PSI
5. PORTS: SAE NO. 6 O-RING BOSS (.563-18 UNF-2B)
   BLEED PORTS: SAE NO. 4 O-RING BOSS (.438-20 UNF-2B)
6. STAMP TANFIELD ENGINEERING P/N 104260-100 ,RMT LOGO, AND DATE CODE NEAR BASE END OF CYLINDER
7. SEAL KIT P/N 092KT0031 CONTAINS ITEMS 9-18
8. TORQUE ITEM 2, PISTON, w/THREADLOCKING COMPOUND TO 1180-1260 FT-LB. USE LOCTITE GRADE 271 OR EQUIVALENT.
9. TORQUE ITEM 7, SET SCREW, w/THREADLOCKING COMPOUND TO 16-18 FT-LB. USE LOCTITE GRADE 243 OR EQUIVALENT.
10. TORQUE THE FOLLOWING ITEMS:
    ITEM 3, HEAD GLAND, TO 300-400 FT-LB.
    ITEM 5, O-RING BOSS PLUG, TO 10-12 FT-LB.
    ITEM 8, CBAL. VALVE, TO 30-35 FT-LB.
11. CRITICAL BUCKLING LOAD AT FULL EXTENSION = 79,204 LB (PINNED ENDS).
12. CYLINDER TUBE BURST PRESSURE: 10,990 PSI
13. ALL LOAD VALUES SHOWN ABOVE ARE CALCULATED VALUES. IT IS THE CYLINDER PURCHASER'S RESPONSIBILITY TO DETERMINE, THROUGH ACTUAL TESTING, FITNESS OF THE CYLINDER FOR THE INTENDED APPLICATION.
14. CYLINDER WEIGHT: 204.9 LBS.

PAINTING REQUIREMENTS PER RMT SPECIFICATION 904BD0001			
RMT CYL. P/N	COLOR DESC.	RMT COLOR	CUST. COLOR P/N
100KT0038	UNPAINTED		
100KT0038 -P004	PRIMER ONLY	181AZ0004	
100KT0038 -T027	BLACK	181BZ0027	

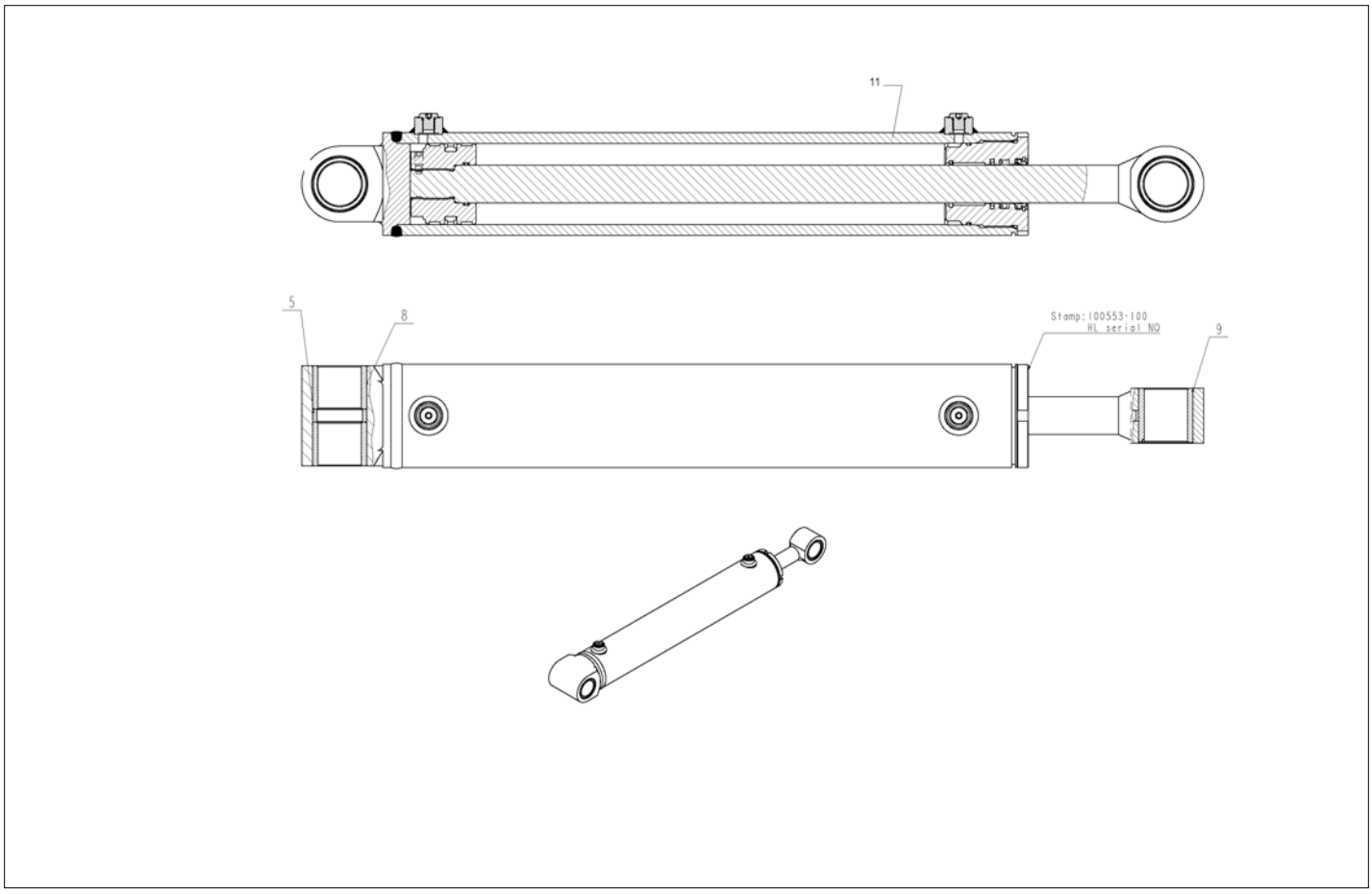
アイテム	部品番号	名前	数量	UOM
-	104260-100 A	LIFT CYLINDER-ROSENBOOM		EA
1	104260-109	SEAL KIT – includes items 9 through 18	1	EA
6	2509721	BEARING 50-58-60	4	EA
8	104260-108	CB VALVE, CBCA-LHN (3000)	1	EA
9	KIT ITEM	O-RING	1	EA
10	KIT ITEM	O-RING	1	EA
11	KIT ITEM	O-RING	1	EA
12	KIT ITEM	BACKUP RING	1	EA
13	KIT ITEM	DISO-PAC	1	EA
14	KIT ITEM	DEEP Z-SEAL	1	EA
15	KIT ITEM	HD ROD WIPER, SEALED OD	1	EA
16	KIT ITEM	PRECISION WEARBAND	1	EA
17	KIT ITEM	PRECISION WEARBAND	2	EA
18	KIT ITEM	LOCKING INSERT	2	EA

HYDRAULICS


Extend Bleed PORT
STAMP: "TE"
Retract Bleed PORT
STAMP: "TR"
TR
TE
EXTEND PORT
STAMP: "EX"
EX
Tank
RE
To Tank
STAMP: "Tank"
Retract PORT
STAMP: "RE"
Stamp:1433395+HL serial No.
Hydraulic schematic
TANK
TE
EX
RE

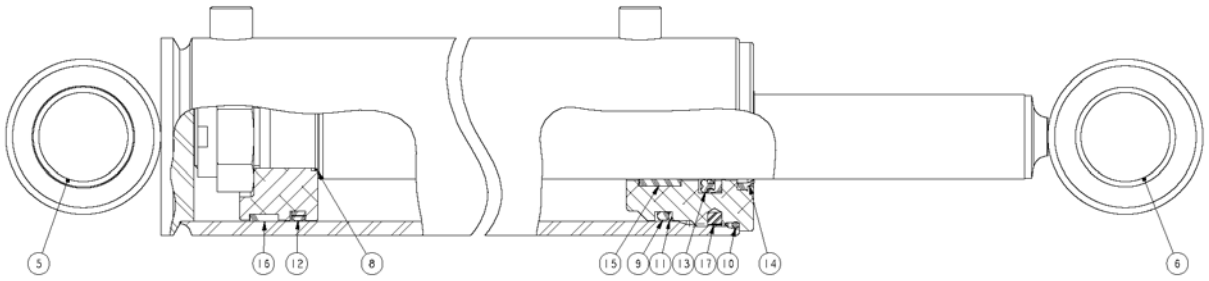
アイテム	部品番号	名前	数量	UOM
-	1433395 C	LIFT CYLINDER HINGLI 400S 460SJ		EA
1	6019425	VALVE EMER. BLEED DOWN		EA
2	6092127	RELIEF VALVE CARTRIDGE		EA
3	1434494	SEAL KIT		EA
4	1434495	BEARING		EA
5	1434496	BUSHING		EA

HYDRAULICS



アイテム	部品番号	名前	数量	UOM
-	100553-100C	MASTER LEVEL CYLINDER HENGLI		EA
5	7148151	LIMIT RING	1	EA
8	2509866	BEARING	2	EA
9	2509867	BEARING	1	EA
11	7148149	SEAL KIT	1	EA

HYDRAULICS

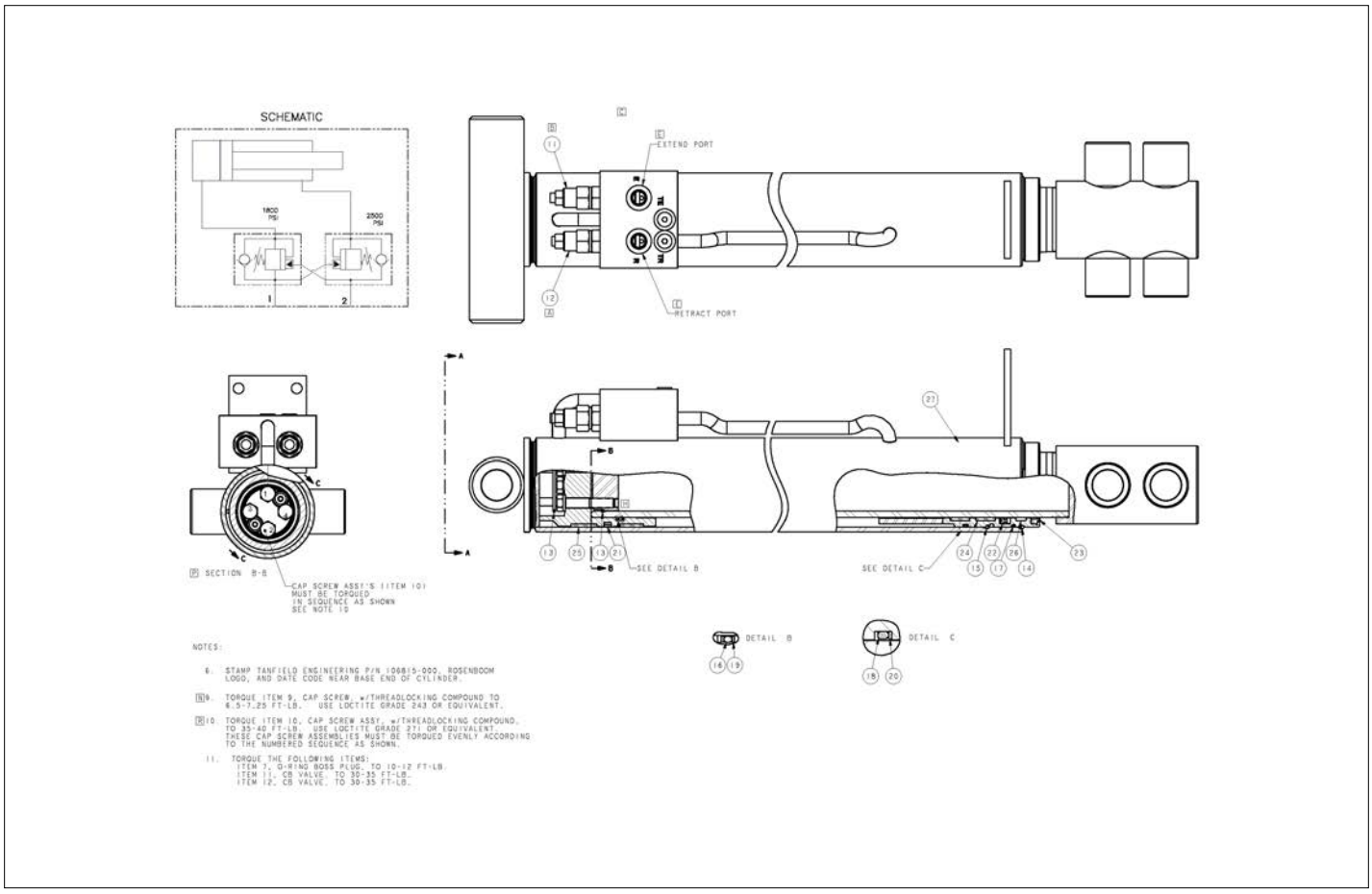


NOTES:

5. STAMP TANFIELD ENGINEERING P/N 100553-100, RMT LOGO, AND DATE CODE NEAR BASE END OF CYLINDER.
7. TORQUE ITEM 7, LOCKNUT, w/THREADLOCKING COMPOUND TO 350-380 FT-LB. USE LOCTITE GRADE 271 OR EQUIVALENT.
8. TORQUE ITEM 3, HEAD GLAND, TO 250-300 FT-LB.

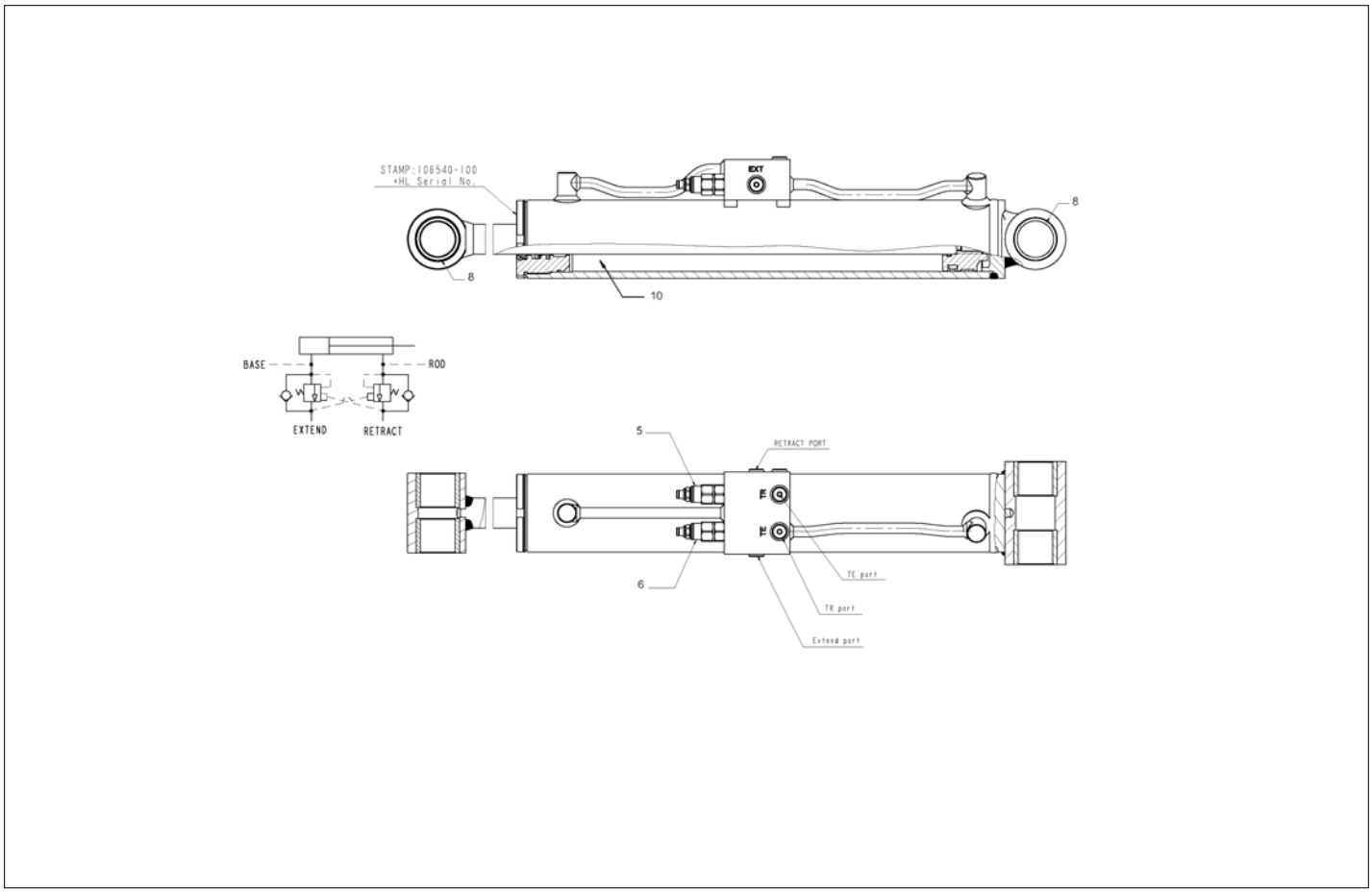
アイテム	部品番号	名前	数量	UOM
-	100553-100A	MASTER LEVEL CYLINDER ROSENBOOM		EA
5	100553-104	JOURNAL BEARING	2	EA
6	100553-106	JOURNAL BEARING	1	EA
-	100553-108	SEAL KIT (10- THRU 19)	1	EA

HYDRAULICS


SCHEMATIC
1800 PSI
2500 PSI
1
2
EXTEND PORT
RETRACT PORT
SEE DETAIL B
SEE DETAIL C
SECTION B-B
CAP SCREW ASSY'S (ITEM 10) MUST BE TORQUED IN SEQUENCE AS SHOWN SEE NOTE 10
DETAIL B
DETAIL C
NOTES:
6. STAMP TANFIELD ENGINEERING P/N 106815-000, ROSENBOOM LOGO, AND DATE CODE NEAR BASE END OF CYLINDER.
9. TORQUE ITEM 9, CAP SCREW, w/THREADLOCKING COMPOUND TO 6.5-7.25 FT-LB. USE LOCTITE GRADE 243 OR EQUIVALENT.
10. TORQUE ITEM 10, CAP SCREW ASSY, w/THREADLOCKING COMPOUND, TO 35-40 FT-LB. USE LOCTITE GRADE 271 OR EQUIVALENT. THESE CAP SCREW ASSEMBLIES MUST BE TORQUED EVENLY ACCORDING TO THE NUMBERED SEQUENCE AS SHOWN.
11. TORQUE THE FOLLOWING ITEMS:
ITEM 7, O-RING BOSS PLUG, TO 10-12 FT-LB.
ITEM 11, CB VALVE, TO 30-35 FT-LB.
ITEM 12, CB VALVE, TO 30-35 FT-LB.

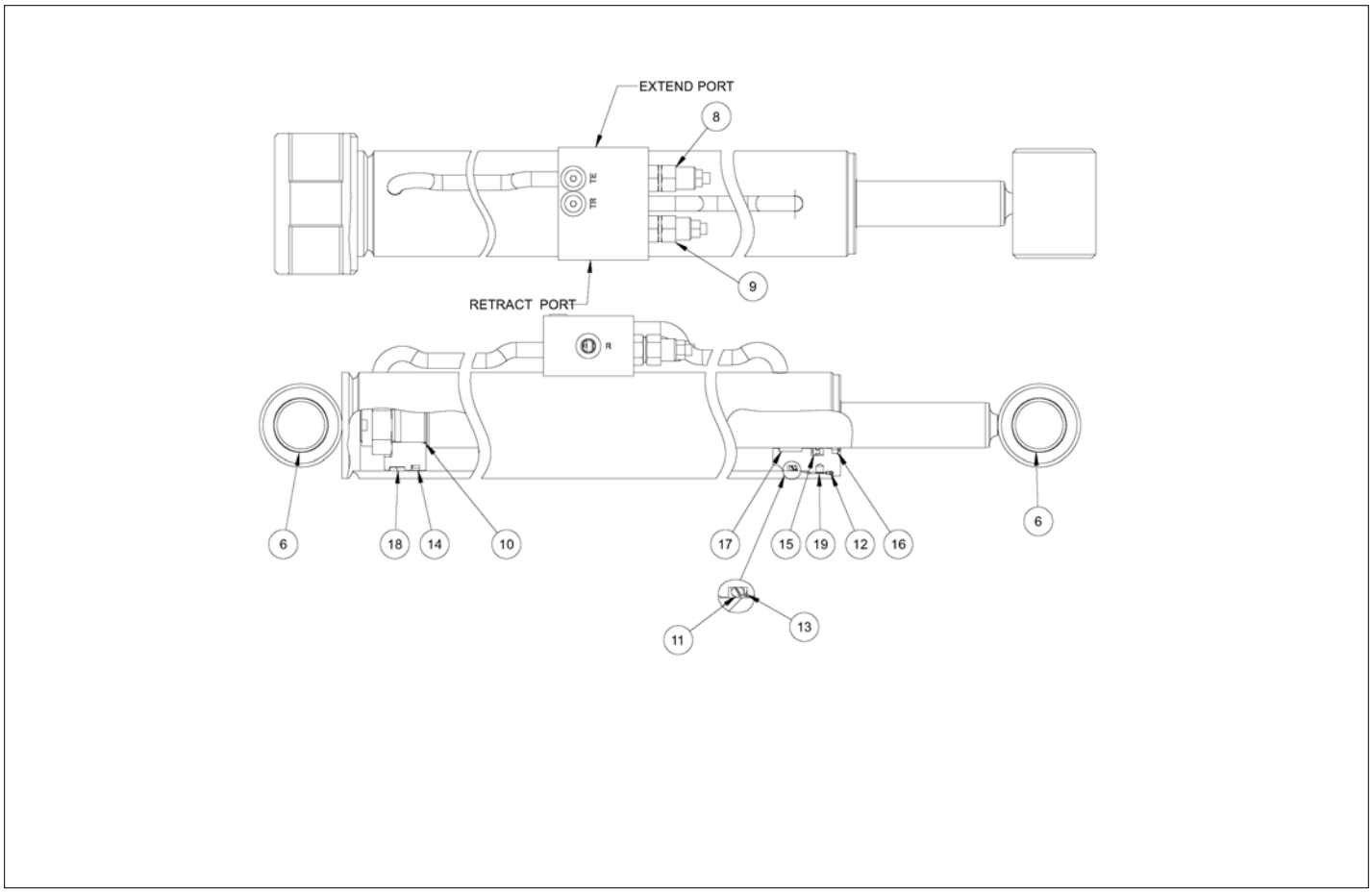
アイテム	部品番号	名前	数量	UOM
-	106815-000B	TELESCOPE CYLINDER ROSENBOOM 400S 460SJ		EA
11	106815-009	COUNTERBALANCE VALVE 1800 PSI	1	EA
12	106815-010	COUNTERBALANCE VALVE 2500 PSI	1	EA
27	106815-016	SEAL KITS, ITEMS 13 - 26 KIT ITEMS	1	EA

HYDRAULICS


STAMP: 106540-100
+HL Serial No.
EXT
8
8
10
BASE
ROD
EXTEND
RETRACT
5
RETRACT PORT
TR
TE
TE port
TR port
Extend port
6

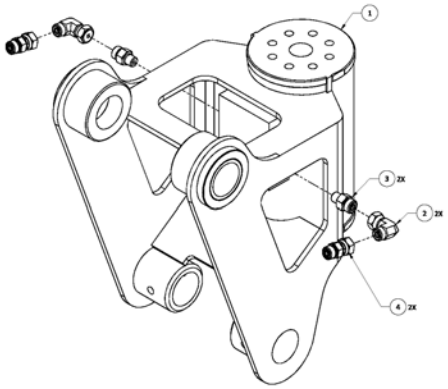
アイテム	部品番号	名前	数量	UOM
-	106540-100B	SLAVE LEVEL CYLINDER HENGLI		EA
5	6019449	COUNTER BALANCE VALVE, 1500 PSI	1	EA
6	6019448	COUNTER BALANCE VALVE, 3000 PSI	1	EA
8	2509866	BEARING	4	EA
10	7148148	SEAL KIT	1	EA

HYDRAULICS


EXTEND PORT
8
TE
TR
9
RETRACT PORT
R
6
18
14
10
17
15
19
12
16
6
11
13

アイテム	部品番号	名前	数量	UOM
-	106540-100 A	SLAVE LEVEL CYLINDER ROSENBOOM		EA
6	100553-105	JOURNAL BEARING	4	EA
8	106540-108	CB VALVE (3000)	1	EA
9	106540-109	CB VALVE (1500)	1	EA
-	100553-108	SEAL KIT (10- THRU 19)	1	EA
10	KIT ITEM	O-RING	1	EA
11	KIT ITEM	O-RING	1	EA
12	KIT ITEM	O-RING	1	EA
13	KIT ITEM	BACKUP RING	1	EA
14	KIT ITEM	DISO-PAC	1	EA
15	KIT ITEM	DEEP Z-SEAL	1	EA
16	KIT ITEM	HD ROD WIPER, SEAL OD	1	EA
17	KIT ITEM	WEARBAND	1	EA
18	KIT ITEM	WEARBAND	1	EA
19	KIT ITEM	LOCKING INSERT	1	EA

HYDRAULICS



アイテム	部品番号	名前	数量	UOM
-	1432454B	ROTATOR HOSE FITTING HELAC 400S 600S ASSEMBLY		EA
1	106572-100	HELAC ROTATOR	1	EA
-	8080152	SEAL KIT	1	EA
2	100435-001	FTG 4 MORFFX X 4 FORFF90	2	EA
3	100432-002	Hyd Fitting - Straight ORFS(04) - SAE(04)	2	EA
4	5111691	4 LOHL .047 ORIFICE	2	EA

1433486
GP400C Adjustments Settings

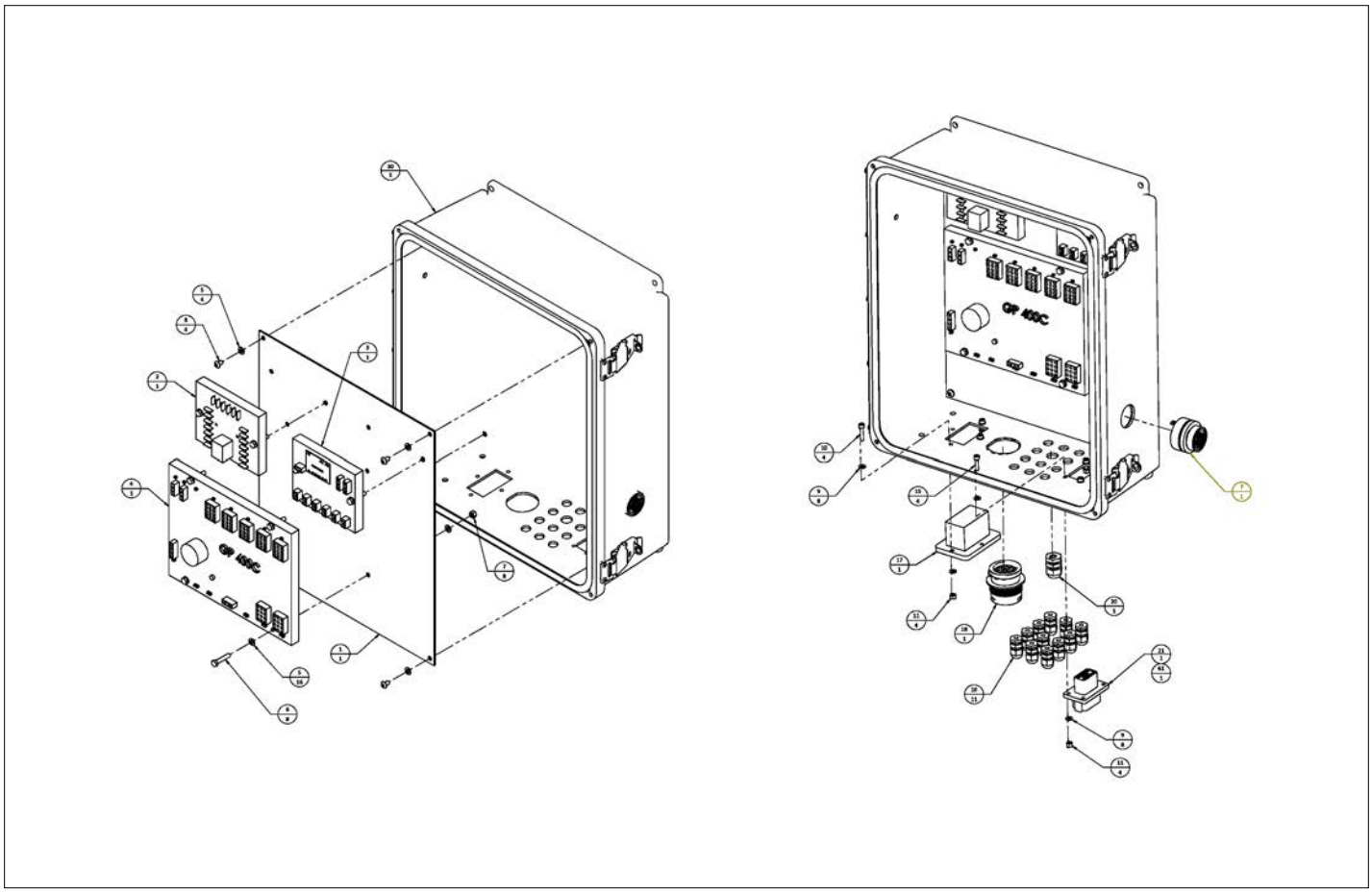
		PGR 21-510-504, V6.0																		
GP400C	VEHICLE:	13. 4005/460SJ/600S/660SJ													14. 600/660 KUBOTA T3/T4i					
ADJUSTMENTS	MODEL:	1. 600S ANSI/AUS/CSA OSC CUMMINS	2. 660SJ ANSI/AUS/CSA OSC CUMMINS	3. 600S CE OSC CUMMINS	4. 660SJ CE OSC CUMMINS	5. 400S ANSI/AUS/CSA OSC DEUTZ	6. 460SJ ANSI/AUS/CSA OSC DEUTZ	7. 400S CE OSC DEUTZ	8. 460SJ CE OSC DEUTZ	9. 600S ANSI/AUS/CSA OSC DEUTZ	10. 660SJ ANSI/AUS/CSA OSC DEUTZ	11. 600S CE OSC DEUTZ	12. 660SJ CE OSC DEUTZ	13. 600S ANSI KUBOTA	14. 660SJ ANSI KUBOTA	15. 600S CE KUBOTA	16. 660SJ CE KUBOTA
DRIVE	FWD MIN	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%
	FWD MAX	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	FWD HIGHSPEED	67%	67%	67%	67%	75%	75%	75%	75%	67%	67%	67%	67%	100%	100%	100%	100%	100%	100%	100%
	REV MIN	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%	35%
	REV MAX	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	REV HIGHSPEED	63%	63%	63%	63%	60%	60%	60%	60%	63%	63%	63%	63%	100%	100%	100%	100%	100%	100%	100%
	ACCEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
	DECEL	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S
DRIVE ELEVATED	FWD MIN	35%	35%	27%	27%	35%	35%	27%	27%	35%	35%	35%	27%	35%	35%	35%	27%	35%	35%	27%
	FWD MAX	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%	64%
	REV MIN	35%	35%	27%	27%	35%	35%	27%	27%	35%	35%	27%	27%	35%	35%	35%	27%	35%	35%	27%
	REV MAX	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%	60%
	ACCEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
	DECEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
STEER	ACCEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	DECEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	STEER MIN	54%	54%	54%	54%	51%	51%	51%	51%	54%	54%	54%	54%	54%	54%	54%	54%	54%	54%	54%
	STEER MAX	55%	55%	55%	55%	53%	53%	53%	53%	55%	55%	55%	55%	55%	55%	55%	55%	55%	55%	55%
BRAKES	PUMP	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
	TIME	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S
	INITIAL	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S
DRIVE/LOWBAT	LOW BAT	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V
HILL ASSIST	UPHILL TILT	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-	2-X-
	SCALE	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%	2%
DRIVE ANTI-STALL	RPMMININITIAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	RPMEXIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	%INITIAL	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	%MORE	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
LOWER LIFT	UP MIN	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	UP MAX	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	DOWN MIN	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	DOWN MAX	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	ACCEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
	DECEL	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S
	LIFTnotELEV	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S
UPPER LIFT	UP MIN	38%	38%	38%	38%	30%	30%	30%	30%	38%	38%	38%	38%	38%	38%	38%	38%	38%	38%	38%
	UP MAX	55%	55%	46%	46%	48%	48%	41%	41%	55%	55%	46%	46%	55%	55%	50%	50%	50%	50%	50%
	DOWN MIN	36%	36%	36%	36%	32%	32%	32%	32%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%
	DOWN MAX	53%	53%	45%	45%	48%	48%	42%	42%	53%	53%	45%	45%	55%	55%	50%	50%	50%	50%	50%
	ACCEL	2.0S	2.0S	2.0S	2.0S	1.5S	1.5S	1.5S	1.5S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S
	DECEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
	LIFTnotELEV	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S
	UPPER LIFT EXT.SCALE	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
TELE	OUT MIN	36%	36%	30%	30%	36%	30%	30%	30%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%
	OUT MAX	58%	58%	58%	58%	100%	100%	100%	100%	58%	58%	58%	58%	58%	58%	58%	58%	58%	58%	58%
	IN MIN	31%	31%	31%	31%	30%	30%	30%	30%	31%	31%	31%	31%	31%	31%	31%	31%	31%	31%	31%
	IN MAX	58%	58%	58%	58%	100%	100%	100%	100%	58%	58%	58%	58%	58%	58%	58%	58%	58%	58%	58%
	ACCEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
	DECEL	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S
	TelenotExtended	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S
SLEW	CW MIN	28%	28%	28%	28%	28%	28%	28%	28%	28%	28%	28%	28%	28%	28%	28%	28%	28%	28%	28%
	CW MAX	71%	71%	51%	51%	100%	100%	75%	70%	71%	71%	51%	51%	77%	77%	73%	73%	64%	64%	64%
	CCW MIN	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%
	CCW MAX	72%	72%	51%	51%	100%	100%	75%	70%	72%	72%	51%	51%	77%	77%	73%	73%	64%	64%	64%
	ACCEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
	DECEL	0.55%	0.5S	0.5S	0.5S	0.55%	0.5S	0.5S	0.5S	0.55%	0.5S	0.5S	0.5S	0.55%	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S
	SLEW EXT.SCALE	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
JIB	JIB EXISTS	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO
	UP MIN	43%	43%	43%	43%	38%	38%	38%	38%	43%	43%	43%	43%	43%	43%	43%	43%	43%	43%	43%
	UP MAX	58%	58%	55%	55%	53%	53%	53%	53%	58%	58%	55%	55%	58%	58%	55%	55%	55%	55%	55%
	DOWN MIN	38%	38%	38%	38%	35%	35%	35%	35%	38%	38%	38%	38%	38%	38%	38%	38%	38%	38%	38%
	DOWN MAX	54%	54%	54%	54%	53%	53%	53%	53%	54%	54%	54%	54%	54%	54%	54%	54%	54%	54%	54%
	CW MIN	5%	5%	5%	5%	0%	0%	0%	0%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
	CW MAX	50%	50%	50%	50%	0%	0%	0%	0%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
	CCW MIN	5%	5%	5%	5%	0%	0%	0%	0%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%	5%
	CCW MAX	50%	50%	50%	50%	0%	0%	0%	0%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
	ACCEL	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S
	DECEL	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S
BASKET	UP MIN	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%
	UP MAX	100%	100%	54%	54%	100%	100%	54%	54%	100%	100%	54%	54%	100%	100%	54%	54%	54%	54%	54%
	DOWN MIN	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%	15%
	DOWN MAX	100%	100%	50%	50%	100%	100%	50%	50%	100%	100%	50%	50%	100%	100%	50%	50%	50%	50%	50%
	CW MIN	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
	CW MAX	45%	45%	45%	45%	50%	50%	50%	50%	45%	45%	45%	45%	45%	45%	45%	45%	45%	45%	45%
	CCW MIN	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
	CCW MAX	45%	45%	45%	45%	50%	50%	50%	50%	45%	45%	45%	45%	45%	45%	45%	45%	45%	45%	45%
	ACCEL	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s
	DECEL	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s
TILT	Xtrip	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°
	Ytrip	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°
	Xtrip Elev	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°
	Ytrip Elev	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°
	DELAYtrip	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S
	DELAYclear	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S
OVERLOAD	TRIP#1@	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
	LAMP#1@	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
	ALARM#1@	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%	110%
	TRIP#2@	178%	0%	178%	0%	178%	0%	178%	0%	178%	0%	178%	0%	178%	0%	178%	0%	178%	0%	0%
	LAMP#2@	167%	0%	167%	0%	167%	0%	167%	0%	167%	0%	167%	0%	167%	0%	167%	0%	167%	0%	0%
	ALARM#2@	178%	0%	178%	0%	178%	0%	178%	0%	178%	0%	178%	0%	178%	0%	178%	0%	178%	0%	0%
	DELAYtrip	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S
	DELAYclear	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S
	Override	0S	0S	0S	0S	0S	0S	0S	0S	0S	0S	0S	0S	0S	0S	0S	0S	0S	0S	0S
ALARMS	DRIVE	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
	LIFT	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	LOWER	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
	SLEW	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
	TELE	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	JIB	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	BASKET	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	TILT	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED
GROUNDMODE	SPEED	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

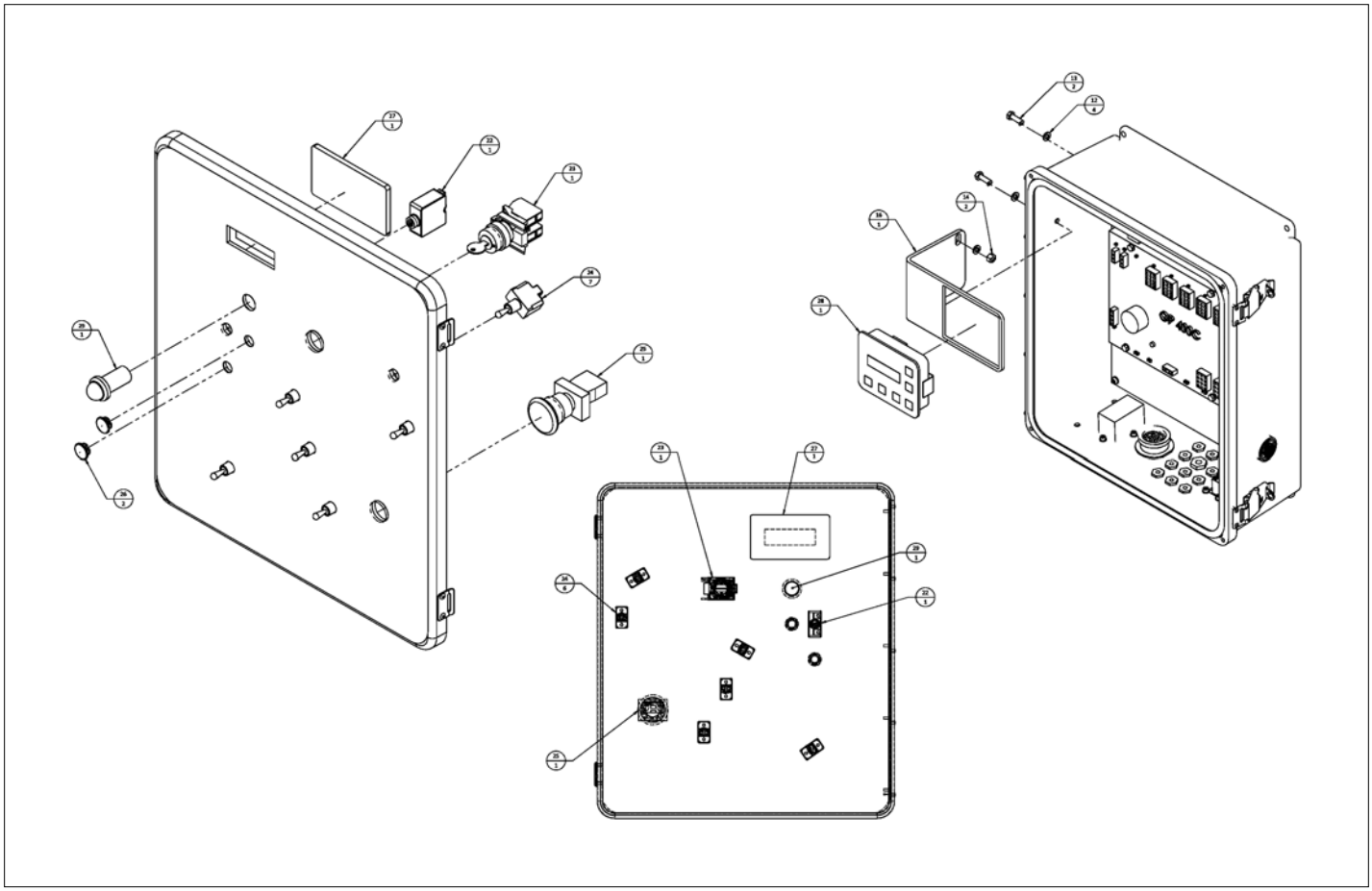
1433486
GP400C Adjustments Settings

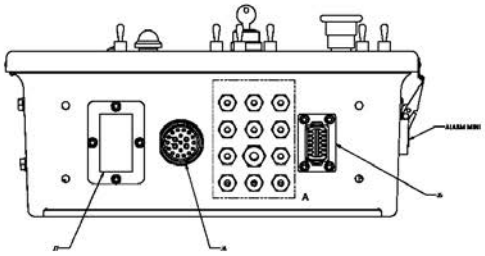
GP400C	VEHICLE:	13. 400S/460SJ/600S/660SJ												14. 600/660 KUBOTA T3/T4i			
ADJUSTMENTS	MODEL:	1. 600S ANSI/AUS/CSA OSC CUMMINS	2. 660SJ ANSI/AUS/CSA OSC CUMMINS	3. 600S CE OSC CUMMINS	4. 660SJ CE OSC CUMMINS	5. 400S ANSI/AUS/CSA OSC DEUTZ	6. 460SJ ANSI/AUS/CSA OSC DEUTZ	7. 400S CE OSC DEUTZ	8. 460SJ CE OSC DEUTZ	9. 600S ANSI/AUS/CSA OSC DEUTZ	10. 660SJ ANSI/AUS/CSA OSC DEUTZ	11. 600S CE OSC DEUTZ	12. 660SJ CE OSC DEUTZ	13. 600S ANSI KUBOTA	14. 660SJ ANSI KUBOTA	15. 600S CE KUBOTA	16. 660SJ CE KUBOTA
SETUP DEFAULTS	VEHICLE MODEL	1. 600S ANSI/AUS/CSA OSC CUMMINS	2. 660SJ ANSI/AUS/CSA OSC CUMMINS	3. 600S CE OSC CUMMINS	4. 660SJ CE OSC CUMMINS	13. 400S/460SJ/600S/660SJ 5. 400S ANSI/AUS/CSA OSC DEUTZ	6. 460SJ ANSI/AUS/CSA OSC DEUTZ	7. 400S CE OSC DEUTZ	8. 460SJ CE OSC DEUTZ	9. 600S ANSI/AUS/CSA OSC DEUTZ	10. 660SJ ANSI/AUS/CSA OSC DEUTZ	11. 600S CE OSC DEUTZ	12. 660SJ CE OSC DEUTZ	14. 600/660 KUBOTA T3/T4i 13. 600S ANSI KUBOTA	14. 660SJ ANSI KUBOTA	15. 600S CE KUBOTA	16. 660SJ CE KUBOTA
TILT SETUPS	TILT SHUTDOWN	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER
	ELEV TILT SHUTDOWN	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE	3=DRIVE
BOOM ANGLE	ELEV SWITCH	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	RESTRICTED @	70%	101%	70%	101%	70%	101%	70%	101%	70%	101%	70%	101%	70%	101%	70%	101%
	TILT CORRECTION	1=X+	0=DISABLED	1=X+	0=DISABLED	1=X+	0=DISABLED	1=X+	0=DISABLED	1=X+	0=DISABLED	1=X+	0=DISABLED	1=X+	0=DISABLED	1=X+	0=DISABLED
	ELEVATION @	0%	0%	0%	0%	20%	20%	20%	20%	0%	0%	0%	0%	0%	0%	0%	0%
	SLOWDOWN ANGLE @	0%	0%	0%	0%	90%	90%	90%	90%	0%	0%	0%	0%	0%	0%	0%	0%
	SLOWDOWN SCALE @	100%	100%	100%	100%	60%	60%	60%	60%	100%	100%	100%	100%	100%	100%	100%	100%
LOAD SETUPS	CELLS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	FAULTY LOAD	-40%	-40%	-40%	-40%	-40%	-40%	-40%	-40%	-40%	-40%	-40%	-40%	-40%	-40%	-40%	-40%
	DYNAMIC SCALE	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%	95%
INTERLOCKS	ETIMEOUT	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s
	WAITforGO	0s	0s	1.0s	1.0s	0s	0s	1.0s	1.0s	0s	0s	1.0s	1.0s	0s	0s	1.0s	1.0s
	DRIVE+BOOM	ALLOWED	ALLOWED	BLOCKED	BLOCKED	ALLOWED	ALLOWED	BLOCKED	BLOCKED	ALLOWED	ALLOWED	BLOCKED	BLOCKED	ALLOWED	ALLOWED	BLOCKED	BLOCKED
	Track	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED
	Snorkelguard	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED	ENABLED
	DriveLock	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED
	Aircraft	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED	DISABLED
	Axle	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING
	Slew Switch	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	GENERATOR	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION	ALLOW MOTION
	JIB + BOOM	BLOCKED	BLOCKED	BLOCKED	BLOCKED	BLOCKED	BLOCKED	BLOCKED	BLOCKED	BLOCKED	BLOCKED	BLOCKED	BLOCKED	BLOCKED	BLOCKED	BLOCKED	BLOCKED
BDI	VPCmin	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
	VPCmax	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
	VPCreset	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
ENGINE SETUPS	RPMscale	1	1	1	1	1	1	1	1	1	1	1	1	5	5	5	5
	RPMidle	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900
	RPMthrottle	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	THROTTLEmid	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%	36%
	THROTTLEhigh	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
	MINdrive	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
	MAXdrive	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500
	MINsteer	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
	MAXsteer	2200	2200	2200	2200	1800	1800	1800	1800	2200	2200	2200	2200	2200	2200	2200	2200
	MINII	900	900	900	900	0	0	0	0	900	900	900	900	900	900	900	900
	MAXII	2300	2300	2300	2300	0	0	0	0	2300	2300	2300	2300	2300	2300	2300	2300
	MINul	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900
	MAXul	2300	2300	2300	2300	1700	1700	1700	1700	2300	2300	2300	2300	2300	2300	2300	2300
	MINtele	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900
	MAXtele	1800	1800	1800	1800	1700	1700	1700	1700	1800	1800	1800	1800	1800	1800	1800	1800
	MINslew	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900
	MAXslew	1500	1500	1500	1500	1600	1600	1600	1600	1500	1500	1500	1500	1500	1500	1500	1500
	MINjib	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900
	MAXjib	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
	MINbasket	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900	900
	MAXbasket	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200	1200
	RPMgen	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
	RPMgenfine	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
VCCM Setups	1min	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A
	1max	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A
	2min	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A
	2max	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A
	3min	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A
	3max	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A
	4min	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A
	4max	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A
	5min	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
	5max	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
	6min	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
	6max	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A

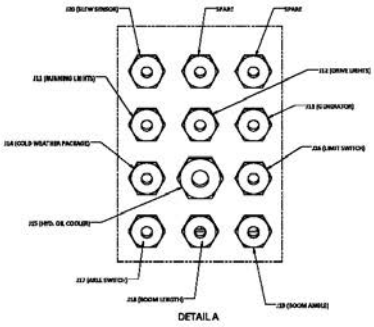
Document Number	REVISION	DATE	COMPLETED BY	FCR No.	DESCRIPTION
1433486	A	1/18/2018	MARK UNGER	LV2017-0286	
	B	5/9/2018	MARK UNGER	LV2017-0242	BASKET CW MAX, CCW MIN AND CCW MAX REDUCED TO SLOW ROTATION SPEEDS
	C	2/25/2018	MARK UNGER		400/460 Dr Fwd HSpd was 67%; 400/460 Steer Min was 54%. 400/460 Steer Max was 55%;
	D	10/23/2018	JON RASA		REVISED 400/460 SETTINGS; REDUCED ENGINE SPEED TO REDUCE NOISE
		1/3/2019	JON RASA	LV2018-0580	400/460 SETTINGS: REV UPPER LIFT, TELE, AND ENG SPEEDS; SLOWDOWN UL FUNCTION.
	F	4/2/2019	JON RASA		ADDED JIB + BOOM INTERLOCK FOR A92.20 STANDARD; CE TILT TO REMAIN 3.5 UNTIL FULLY TESTED.
					ADDED 'COLD START' TIME DELAY TO SOFTWARE.
			JON RASA		ADDED INTERLOCK: SLEW SWITCH = YES TO 1433486 DOCUMENT (EXISTED PREVIOUSLY, BUT NOT PUBLISHED)
	F	9/5/2019	JON RASA	2019-3620	ADDED YELLOW LAMP AND ALARMS TO SAFETY INTERLOCKS: ADDED GENERATOR DURING BOOM FUNCTIONS;
					REVISED ALARMM1 AND ALARMM2 SETTINGS TO SOUND AT TRIP#1 AND TRIP#2.
					REMOVED INTERLOCK: GUARD O/R, WHICH NOW DEFAULTS TO SNORKELGUARD + OVERLOAD.
	G	11/6/2019	JON RASA	2019-4053	ADDED VEHICLE 14, KUBOTA 600/660. AND MODELS 13-16.
					ADDED 'LAMP FLASH' TO ALL VEHICLES WHEN KEY IS INITIALLY TURNED ON FOR DIAGNOSTIC INSPECTION.
VERSION 5.9	H	12/12/2019	JON RASA	2019-4205	REVISED 400/460/600/660 SOFTWARE TO FLASH GLOW PLUG LAMP ON DEUTZ MACHINES. RELEASED 21510504 . V59.
VERSION 6.0	J		JON RASA	2020-0165	REVISED SOFTWARE TO ALLOW REGEN FOR DEUTZ STAGE 5 MACHINES WHEN BOOM IS ELEVATED.
					REVISED DIAGNOSTIC ENGINE TEMP TO READ COOLANT TEMPERATURE F.
					REVISED ALL VEHICLES/MODELS TILT SETUPS, ELEV. TILT SHUTDOWN=3 DRIVE

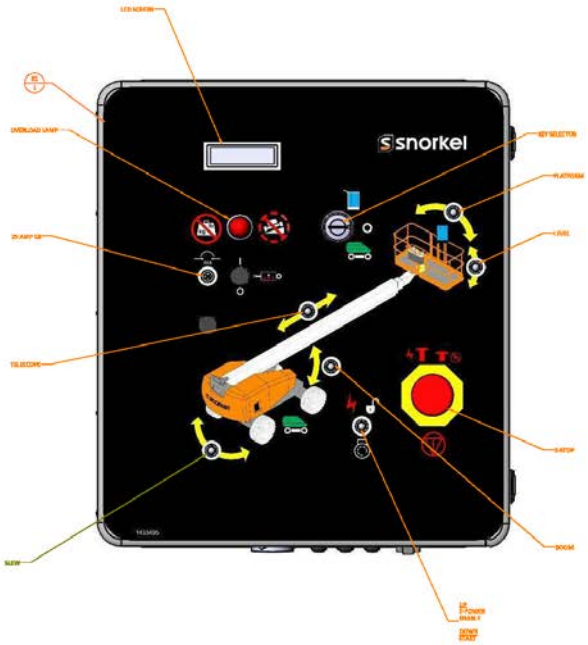
ELECTRICAL

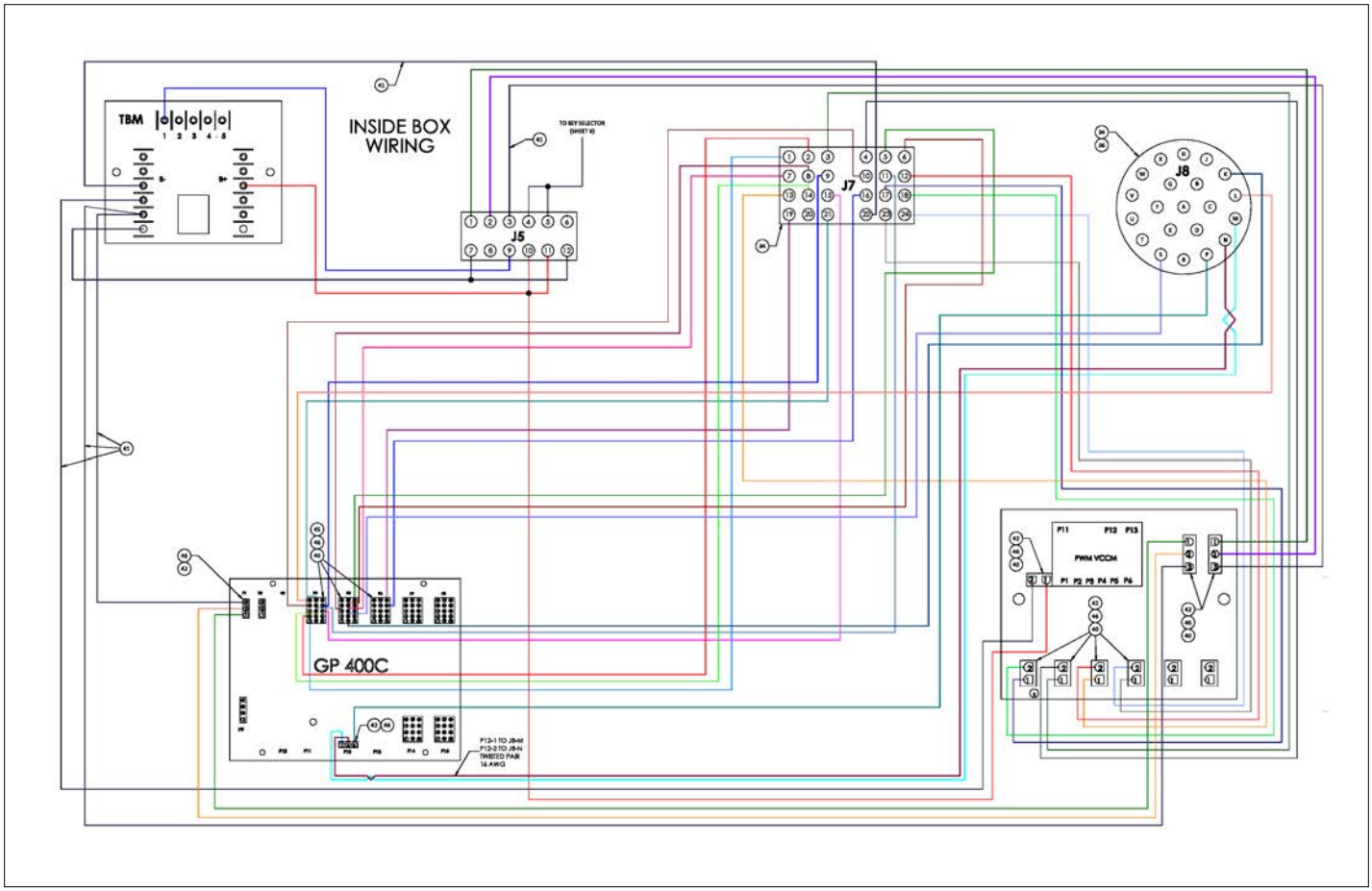


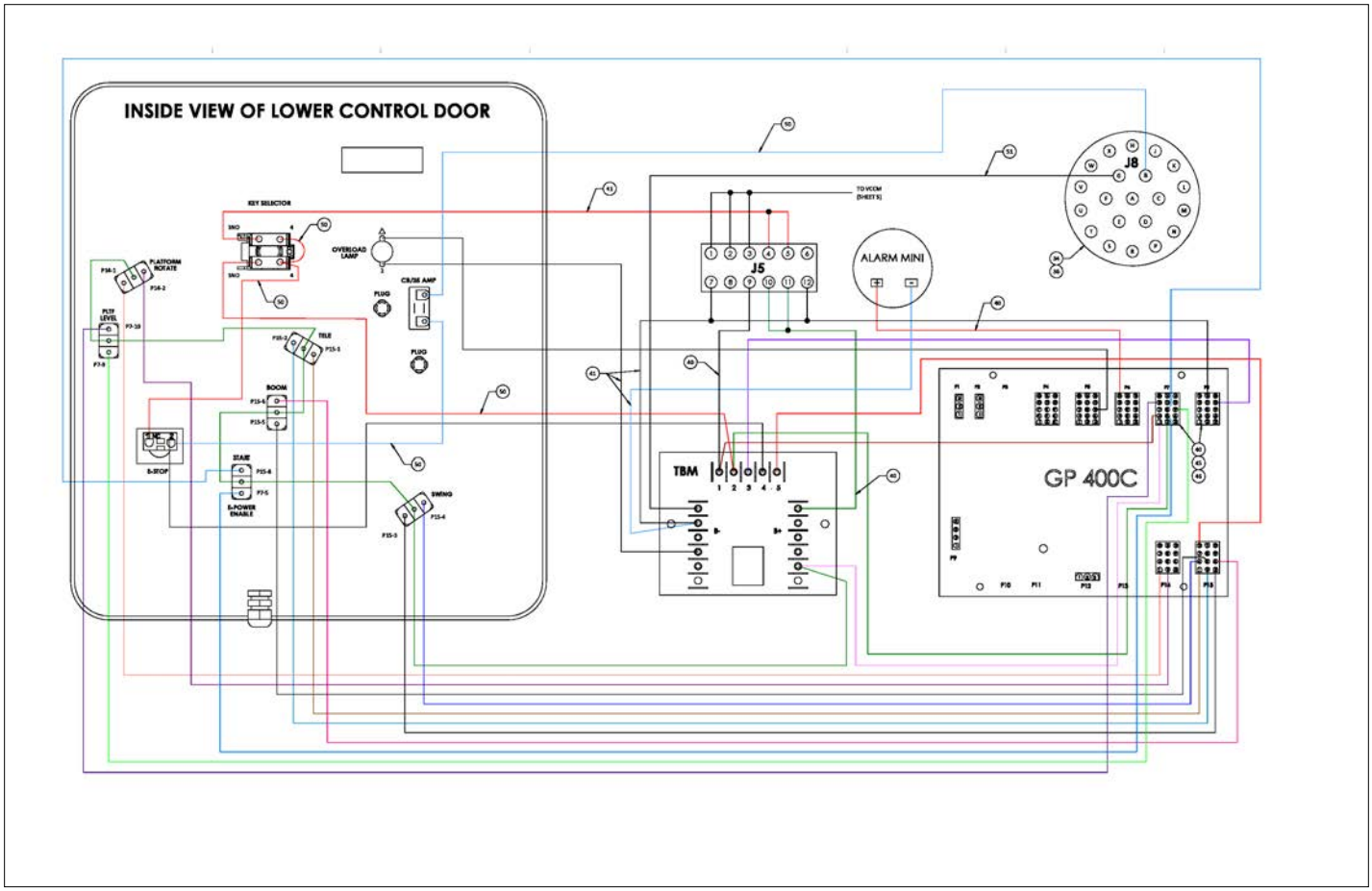


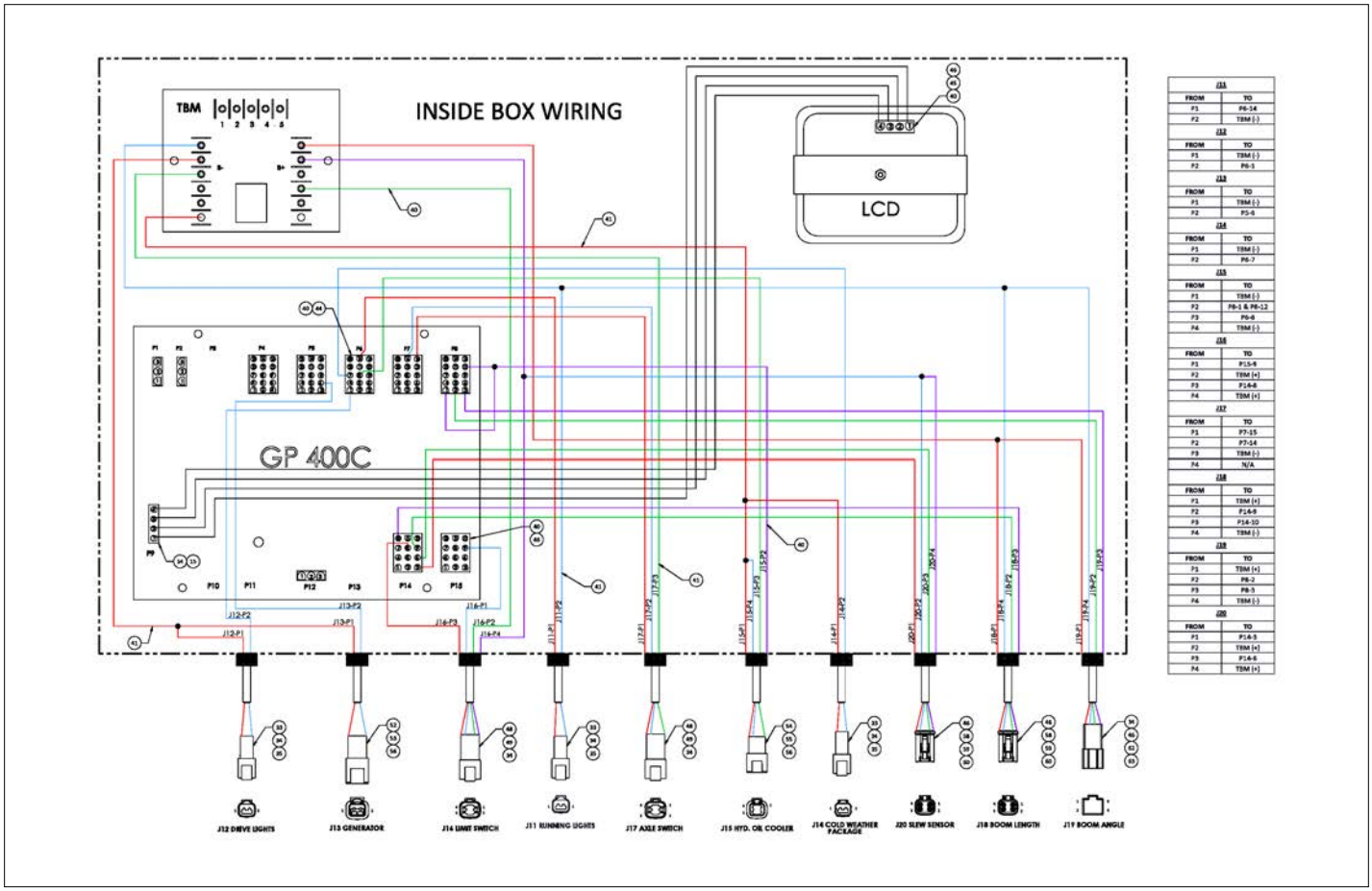



DETAIL A


snorkel


INSIDE BOX
WIRING
TBM
J5
J7
J8
GP 400C
PWM VCCM


INSIDE VIEW OF LOWER CONTROL DOOR
KEY SELECTOR
OVERLOAD LAMP
CB/SE AMP
PLUG
PLUG
PLATFORM ROTATE
PLTF LEVEL
TELE
BOOM
E-STOP
STAB
E-POWER ENABLE
SWING
J5
J8
ALARM MINI
TBM
GP 400C

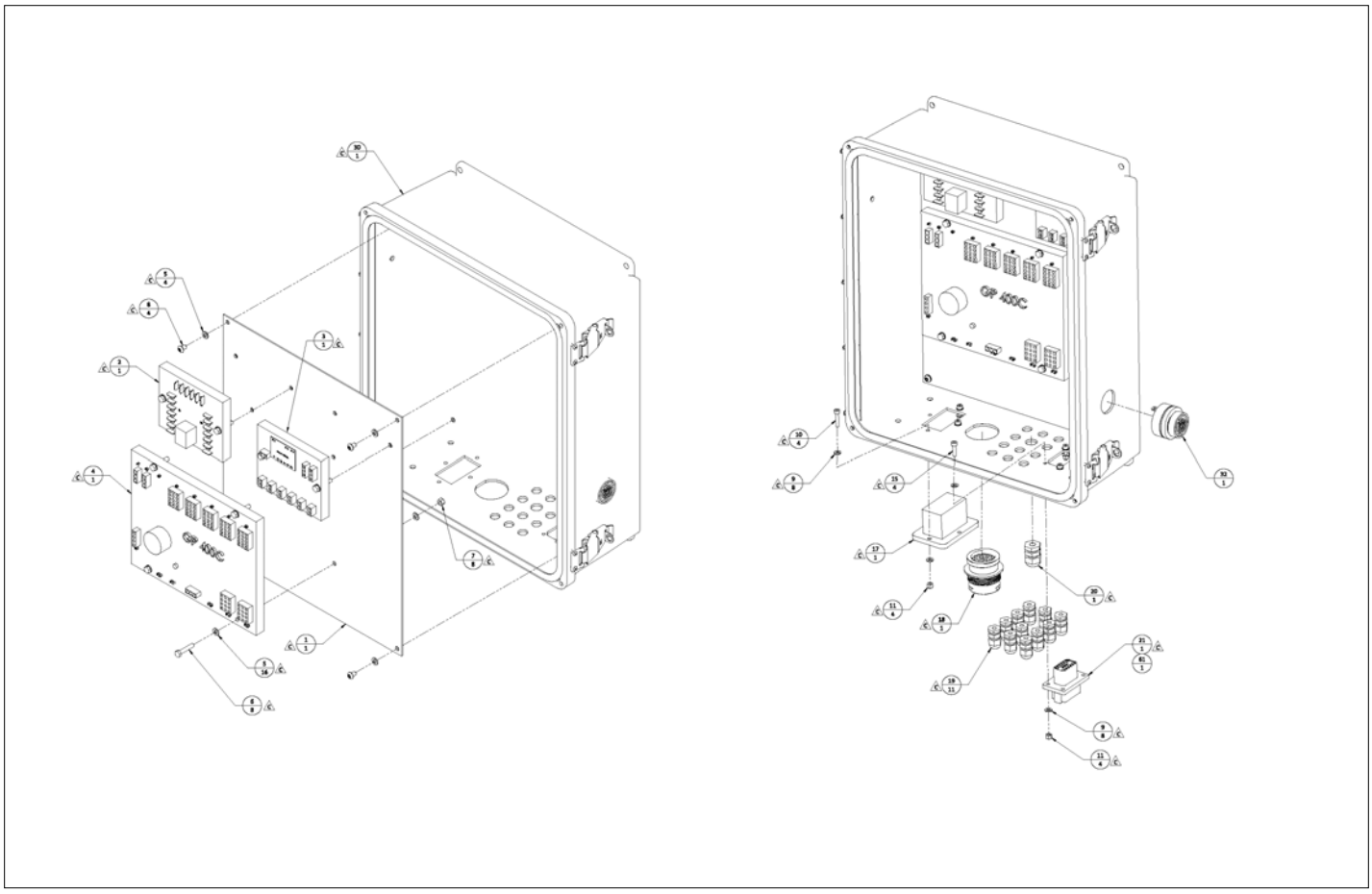

INSIDE BOX WIRING
TBM
LCD
GP 400C
J12 DRIVE LIGHTS
J13 GENERATOR
J14 LIMIT SWITCH
J11 RUNNING LIGHTS
J17 AXLE SWITCH
J15 HYD. OIL COOLER
J16 COLD WEATHER PACKAGE
J20 SLEW SENSOR
J18 BOOM LENGTH
J19 BOOM ANGLE

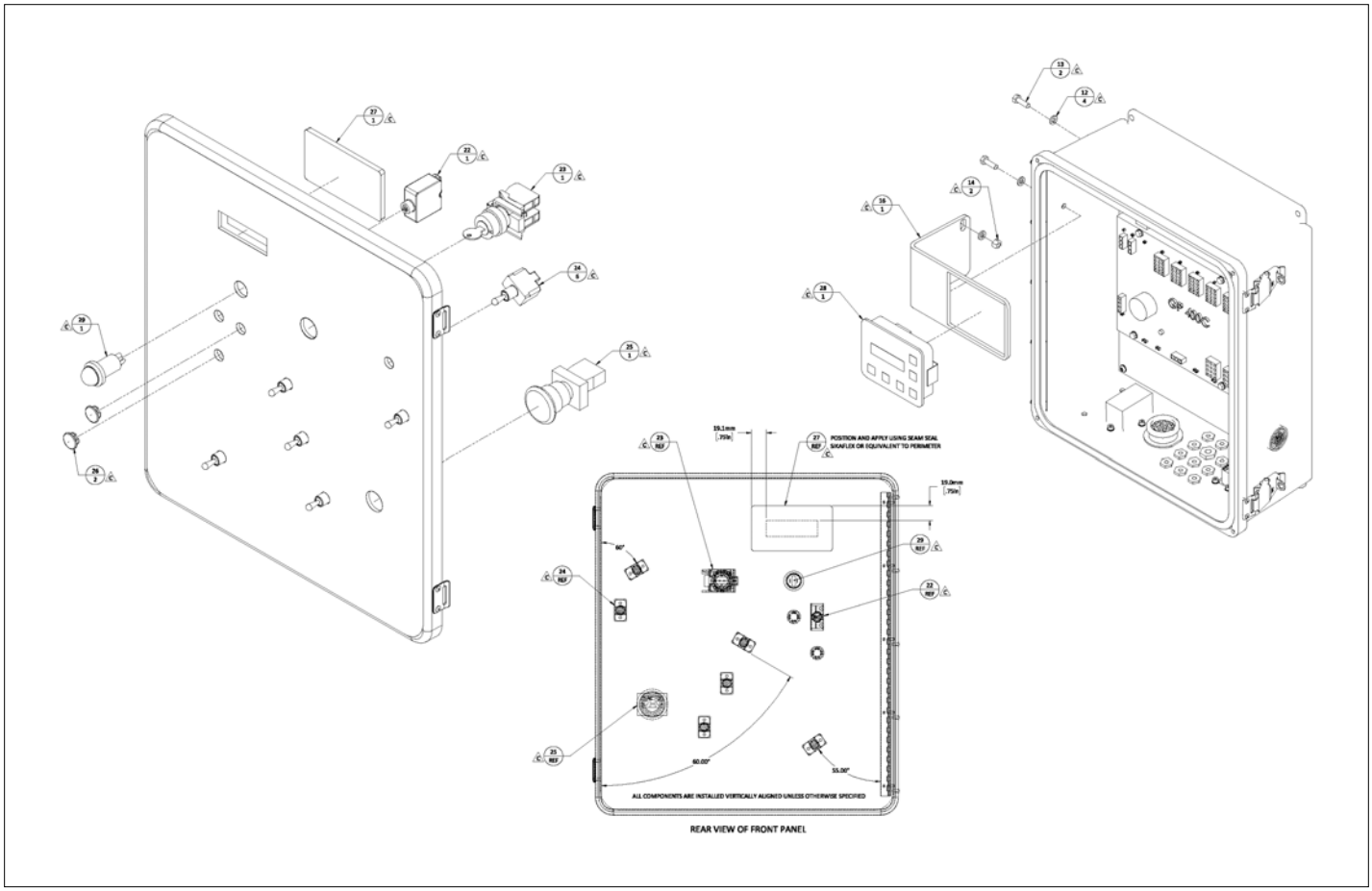
アイテム	部品番号	名前	数量	UOM
-	1433407A	LOWER CONTROL BOX DEUTZ INSTALL 400S		EA
1	1430787	BACKING PLATE	1	EA
2	3030181	Trionics - TBM	1	EA
3	3030174	VALVE CURRENT CONTROL MODULE	1	EA
4	1433307	GP400C	1	EA
5	056069-005	Washer SteelFlatWasher DIN125A	20	EA
6	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	8	EA
7	056064-005	Nut, NylockNut DIN985 M5 10.0	8	EA
8	5563760	SCS BUTN HD M5X0.8X8 ZN 10.9	4	EA
9	056069-004	Wshr, SteelFlatWshr M4 DIN125	16	EA
10	058500-020	Bolt, SktCapScrew DIN912 M4 x	4	EA
11	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	8	EA
12	056069-006	WSHR STEELFLATWSHE M6 DIN125A	4	EA
13	056058-020	Bolt, HexBolt DIN931 M6 x 20mm	2	EA
14	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
15	510563-016	Bolt, SktCapScrew DIN912 M4 x	4	EA
16	1433487	BRKT, LCD SCREEN, LWR CNTRL BX	1	EA
17	015790-011	DEUTSCH 24PIN CONN DRC 12-24PA	1	EA
18	100338-001	RECPT. DEUTSCH	1	EA
19	3220366	HEYCO CORD GRIP 3207	11	EA
20	3220365	HEYCO CORD GRIP 3210	1	EA
21	3049837	CONNECTOR 12-PIN BHD	1	EA
22	3040069	CIRCUIT BREAKER 25AMP	1	EA
23	3028886	ASY KEY SW 3 POS CPTV2XNO	1	EA

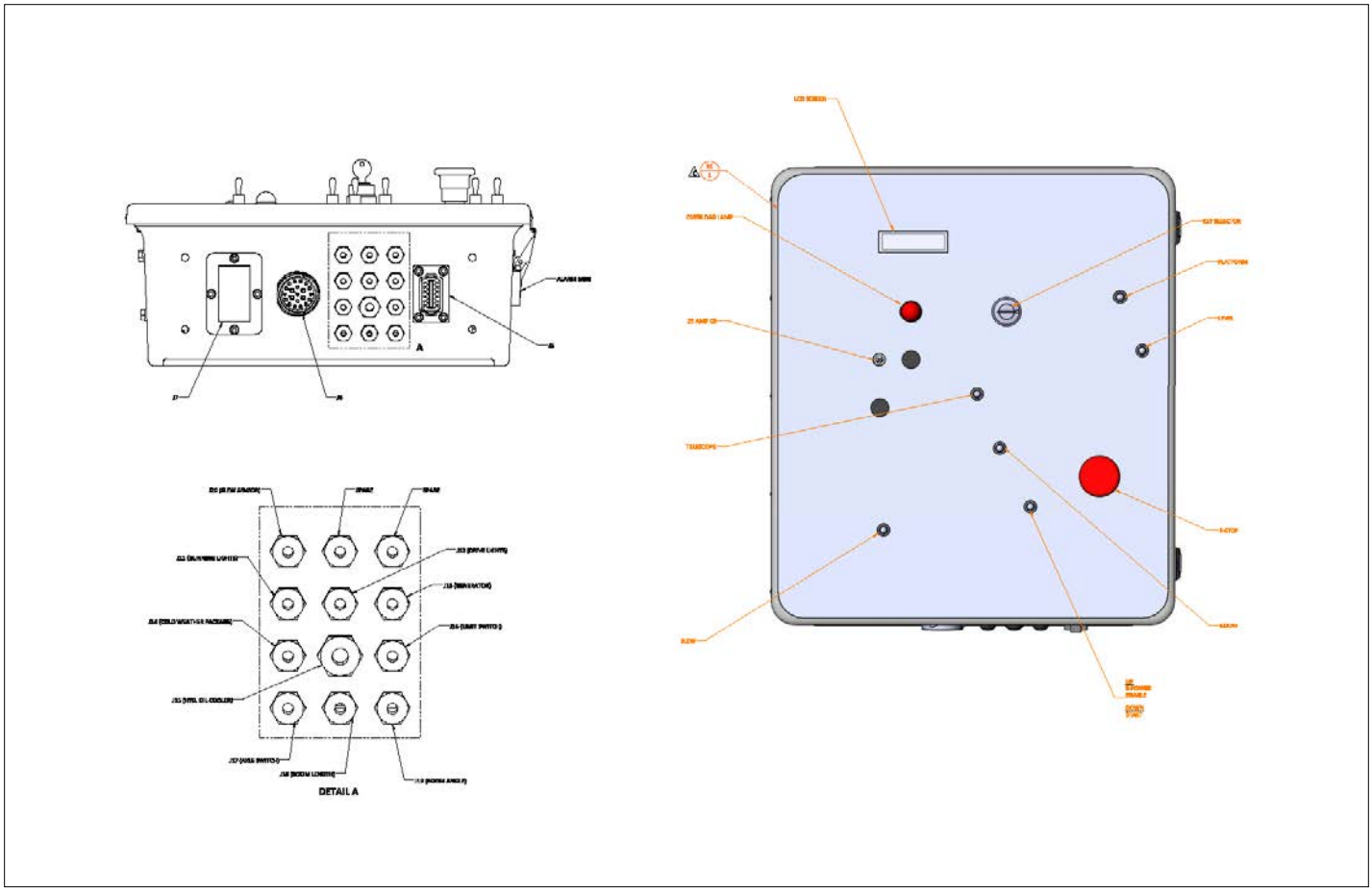
アイテム	部品番号	名前	数量	UOM
*	09-1008	REPLACEMENT KEY	1	EA
24	3020016	Switch, Toggle - Honeywell INTI-7	6	EA
25	3028810	PUSH/PULL EMERGENCY STOP	1	EA
26	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	2	EA
27	1431983	WINDOW, CLEAR PLEXIGLASS	1	EA
28	3087803	EZCal Panel - Trionics	1	EA
29	3069524	LIGHT RED LED 12V	1	EA
30	1433494	ENCL, LWR CTRL BOX DEUTZ 400S	1	EA
31	1433495	DECAL, LWR CTRL BOX DEUTZ 400S	1	EA
32	3040411	Alarm Buzzer	1	EA
33	3028879	CNCTR 2WAY PLUG GREY DT04-2P	3	EA
34	3040341	PIN CONTACT SIZE 16 16/18 GA-	47	EA
35	3049808	LOCK WEDGE 2-PIN DEUTSCH RECEP	2	EA
36	3040650	SOCKET CONTACT -12 DEUTSCH-DEU	3	EA
37	3011201	WIRE 12GA RED SINGLE CONDUCTOR	1	EA
38	3011251	WIRE 12GA SINGLE CONDUCTOR BLK	1	EA
39	3040700	LOCK WEDGE 8-PIN REC	1	EA
40	3011641	WIRE 16GA SINGLE CONDUCTOR WHT	1	EA
41	3011601	WIRE 16GA SINGLE CONDUCTOR BLK	1	EA
42	3220199	CONNECTOR AMP 3 PIN	3	EA
43	3220181	CONN AMP 2PIN P/N:1-480698-0	5	EA
44	3220024	CONNECTOR AMP 12 PIN 1-480-708	2	EA

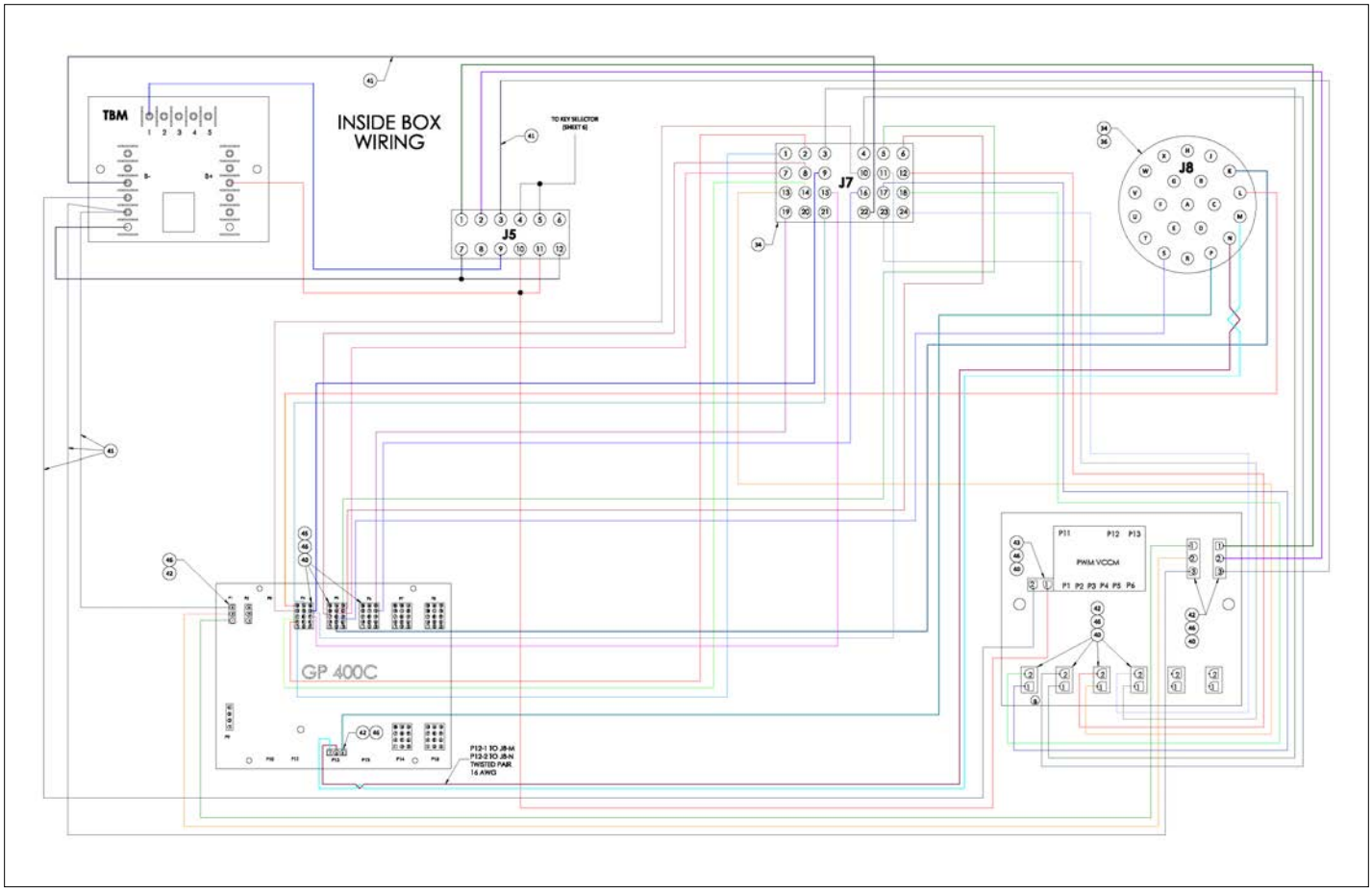
アイテム	部品番号	名前	数量	UOM
45	3220142	CONNECTOR AMP 15 PIN PLUG	5	EA
46	3049986	AMP SOCKET CONTACT	85	EA
47	3220163	CONNECTOR AMP 4 PIN 1-480702-0	2	EA
48	3028875	CNCTR 4WAY PLUG GREY DT04-4P	2	EA
49	3028884	LOCK WEDGE 4 PIN DEUTSCH W4-P	2	EA
50	3014785	WIRE 10GA SINGLE COND RED	1	EA
51	3014786	WIRE 10GA SINGLE COND BLACK	1	EA
52	12554-009	RECEPTACLE 2 WIRE	1	EA
53	12554-016	WEDGELOCK FOR DTP04-2P	1	EA
54	12554-008	CONNECTOR DEUTSCH DTP04-4P	1	EA
55	12554-018	WEDGELOCK FOR DTP04-4P	1	EA
56	12554-026	PIN SIZE-12 (12-14GA) DTP	6	EA
57	3220365	HEYCO CORD GRIP 3210	1	EA
58	3049890	LOCK WEDGE 4-PIN	2	EA
59	3049888	CONNECTOR 4-PIN	2	EA
60	3040342	SOCKET CONTACT SIZE 16 16/18GA	2	EA
61	3049849	-LOCK WEDGE 12-PIN DEUTSCH REC	1	EA
62	3049889	CONNECTOR 4 PIN	1	EA
63	3049891	LOCKWEDGE 4 PIN	1	EA

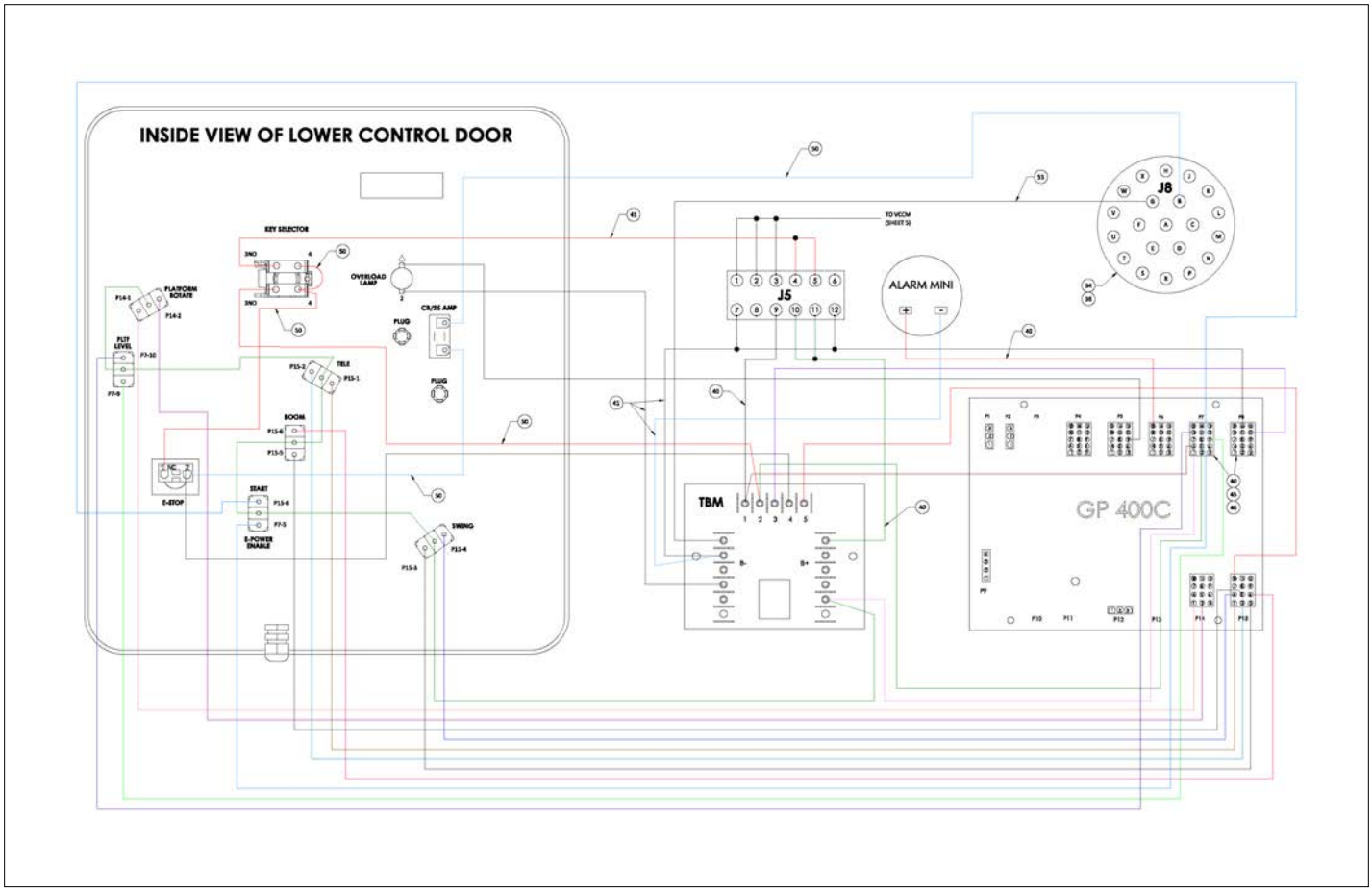
ELECTRICAL

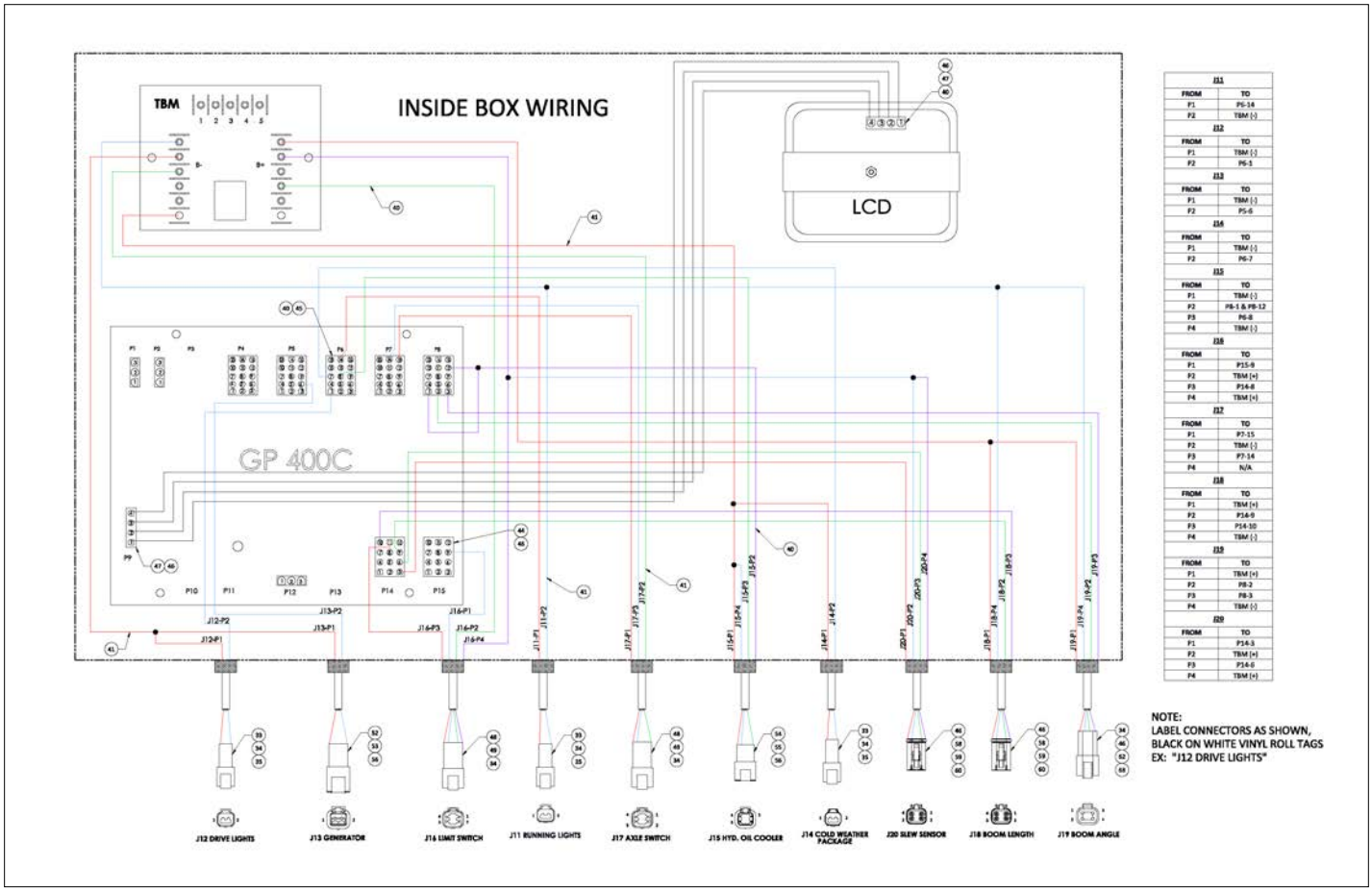



POSITION AND APPLY USING SEAM SEAL SIKAFLEX OR EQUIVALENT TO PERIMETER
ALL COMPONENTS ARE INSTALLED VERTICALLY ALIGNED UNLESS OTHERWISE SPECIFIED
REAR VIEW OF FRONT PANEL


DETAIL A


TBM
INSIDE BOX WIRING
J5
J7
J8
GP 400C
PWM VCOM


INSIDE VIEW OF LOWER CONTROL DOOR
J8
J5
ALARM MINI
TBM
GP 400C
KEY SELECTOR
OVERLOAD LAMP
PLATFORM ROTATE
FLIT LEVEL
TELE
BOOM
E-STOP
START
SWING
PLUG



J11	
FROM	TO
P1	P5-14
P2	TBM (-)

J12	
FROM	TO
P1	TBM (-)
P2	P6-3

J13	
FROM	TO
P1	TBM (-)
P2	P5-6

J14	
FROM	TO
P1	TBM (-)
P2	P6-7

J15	
FROM	TO
P1	TBM (-)
P2	P8-1 & P8-12
P3	P6-8
P4	TBM (-)

J16	
FROM	TO
P1	P15-9
P2	TBM (+)
P3	P14-8
P4	TBM (+)

J17	
FROM	TO
P1	P7-15
P2	TBM (-)
P3	P7-14
P4	N/A

J18	
FROM	TO
P1	TBM (+)
P2	P14-9
P3	P14-10
P4	TBM (-)

J19	
FROM	TO
P1	TBM (+)
P2	P8-2
P3	P8-3
P4	TBM (-)

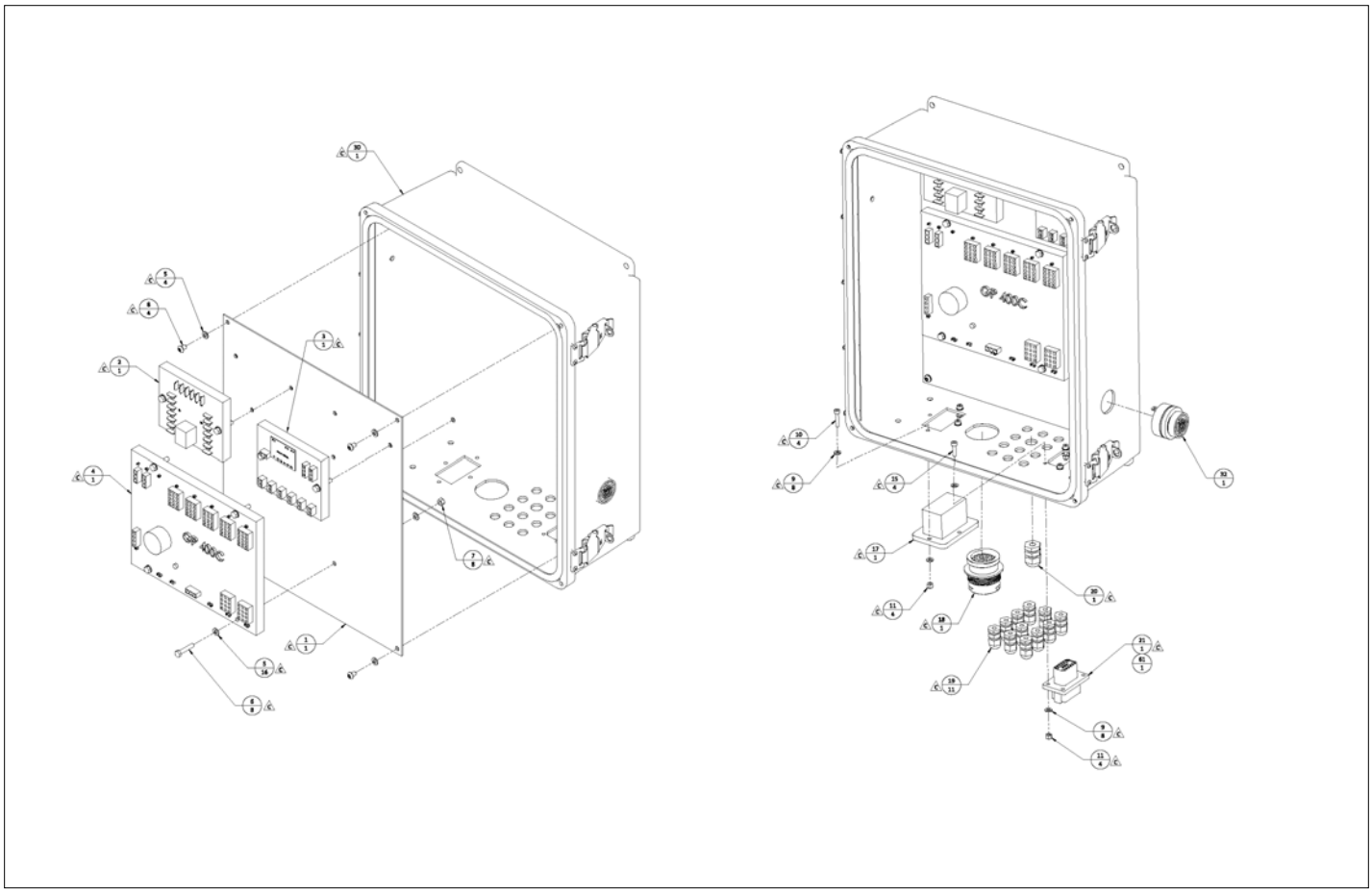
J20	
FROM	TO
P1	P14-3
P2	TBM (+)
P3	P14-6
P4	TBM (+)

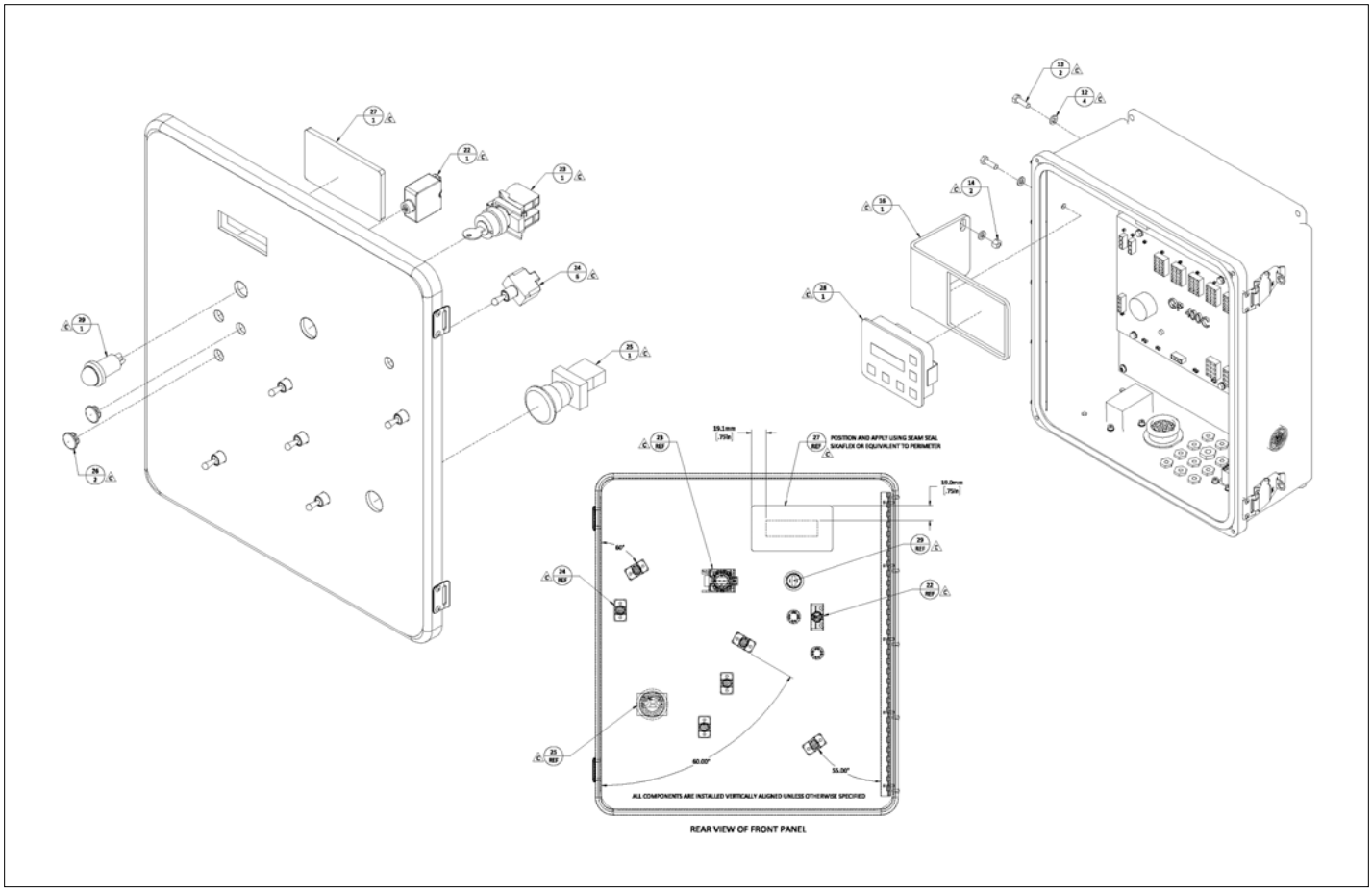
アイテム	部品番号	名前	数量	UOM
*	1433407 C	LOWER CONTROL BOX ASSEMBLY DEUTZ 400S JANUARY 2020 AND BEFORE		EA
1	1430787	BACKING PLATE	1	EA
2	3030181	Trionics - TBM	1	EA
3	3030174	VALVE CURRENT CONTROL MODULE	1	EA
4	1433307	GP400C	1	EA
5	056069-005	Washer SteelFlatWasher DIN125A	20	EA
6	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	8	EA
7	056064-005	Nut, NylockNut DIN985 M5 10.0	8	EA
8	5563760	SCS BUTN HD M5X0.8X8 ZN 10.9	4	EA
9	056069-004	Wshr, SteelFlatWshr M4 DIN125	16	EA
10	058500-020	Bolt, SktCapScrew DIN912 M4 x	4	EA
11	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	8	EA
12	056069-006	WSHR STEELFLATWSHE M6 DIN125A	4	EA
13	056058-020	Bolt, HexBolt DIN931 M6 x 20mm	2	EA
14	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
15	510563-016	Bolt, SktCapScrew DIN912 M4 x	4	EA
16	1433487	BRKT, LCD SCREEN, LWR CNTRL BX	1	EA
17	015790-011	DEUTSCH 24PIN CONN DRC 12-24PA	1	EA
18	100338-001	RECPT. DEUTSCH	1	EA
19	3220366	HEYCO CORD GRIP 3207	11	EA
20	3220365	HEYCO CORD GRIP 3210	1	EA
21	3049837	CONNECTOR 12-PIN BHD	1	EA
22	3040069	CIRCUIT BREAKER 25AMP	1	EA

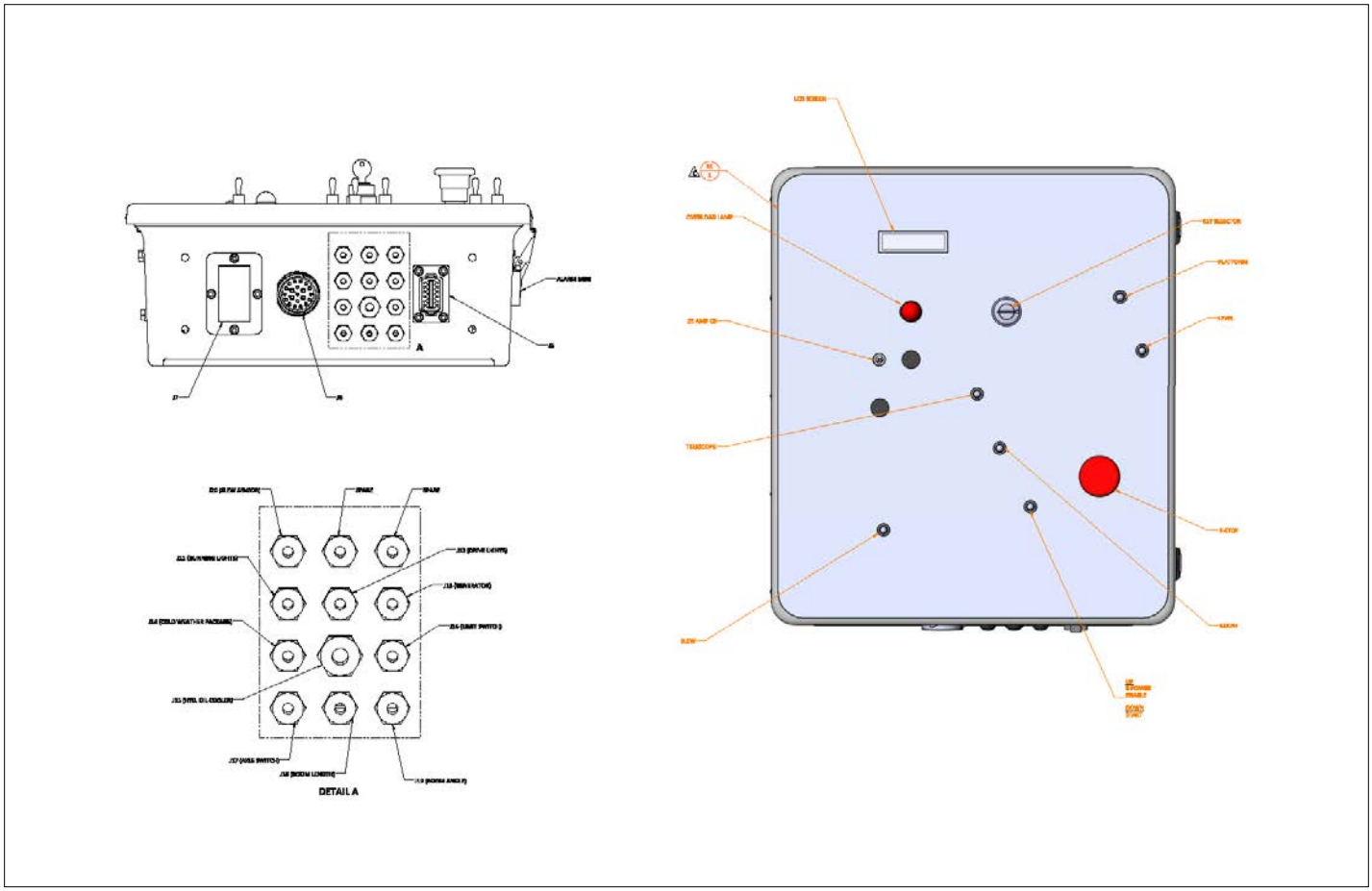
アイテム	部品番号	名前	数量	UOM
23	3028886	ASY KEY SW 3 POS CPTV2XNO	1	EA
*	09-1008	REPLACEMENT KEY		EA
24	3020016	Switch, Toggle - Honeywell INTI-7	6	EA
25	3028810	PUSH/PULL EMERGENCY STOP	1	EA
*	09-1931	SHITCH CLAMP BODY	1	EA
*	3028842	SINGLE NC CONTACT BLOCK	1	EA
*	1450107	PUSH BOTTON OPERATOR	1	EA
26	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	2	EA
27	1431983	WINDOW, CLEAR PLEXIGLASS	1	EA
28	3087803	EZCal Panel - Trionics	1	EA
29	3069524	LIGHT RED LED 12V	1	EA
30	1433494	ENCL, LWR CTRL BOX DEUTZ 400S	1	EA
31	1433495	DECAL, LWR CTRL BOX DEUTZ 400S	1	EA
32	3040411	Alarm Buzzer	1	EA
33	3028879	CNCTR 2WAY PLUG GREY DT04-2P	3	EA
34	3040341	PIN CONTACT SIZE 16 16/18 GA-	47	EA
35	3049808	LOCK WEDGE 2-PIN DEUTSCH RECEP	2	EA
36	3040650	SOCKET CONTACT -12 DEUTSCH-DEU	3	EA
37	3011201	WIRE 12GA RED SINGLE CONDUCTOR	1	EA
38	3011251	WIRE 12GA SINGLE CONDUCTOR BLK	1	EA
39	3040700	LOCK WEDGE 8-PIN REC	1	EA
40	3011641	WIRE 16GA SINGLE CONDUCTOR WHT	1	EA
41	3011601	WIRE 16GA SINGLE CONDUCTOR BLK	1	EA

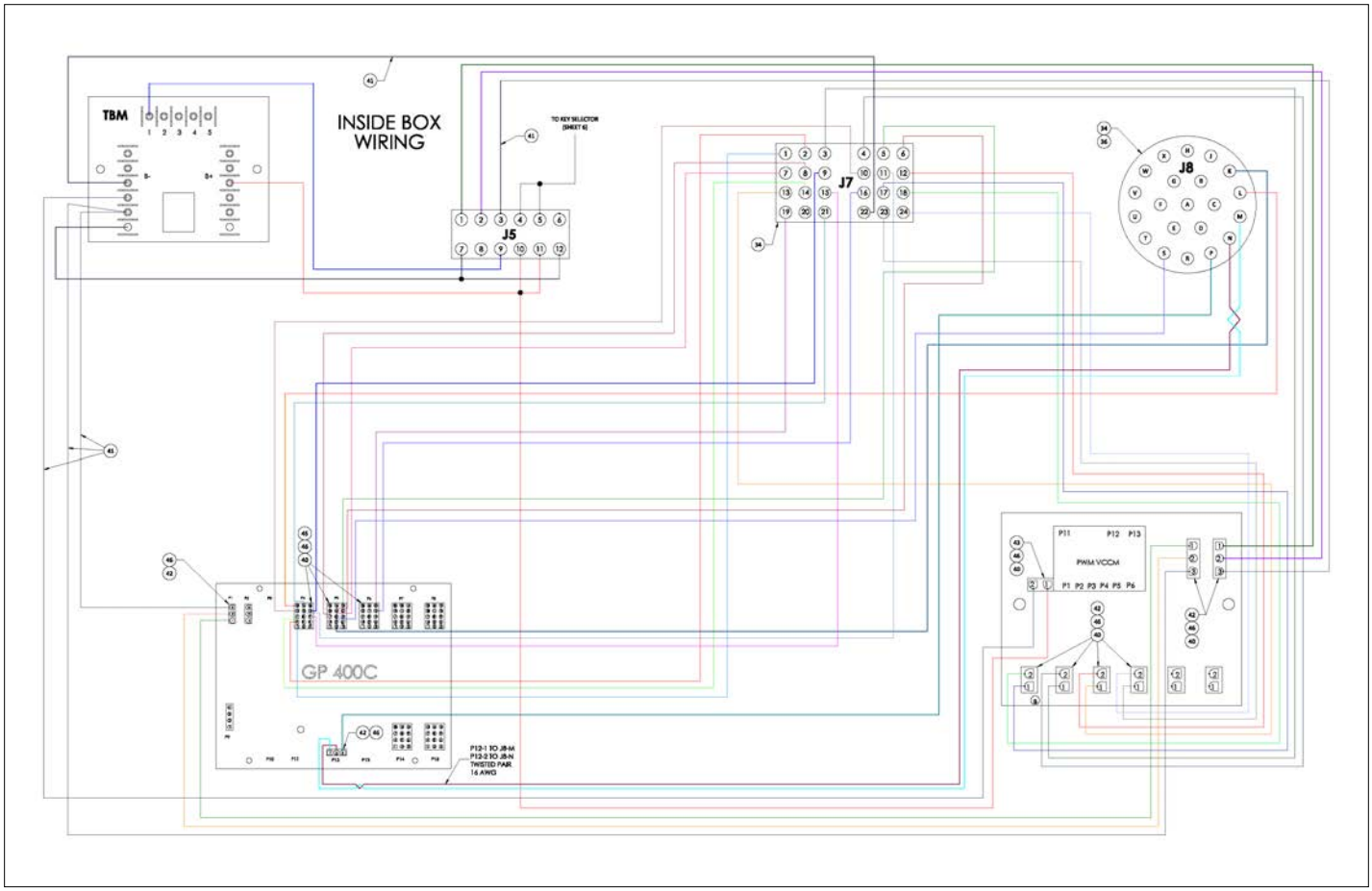
アイテム	部品番号	名前	数量	UOM
42	3220199	CONNECTOR AMP 3 PIN	3	EA
43	3220181	CONN AMP 2PIN P/N:1-480698-0	5	EA
44	3220024	CONNECTOR AMP 12 PIN 1-480-708	2	EA
45	3220142	CONNECTOR AMP 15 PIN PLUG	5	EA
46	3049986	AMP SOCKET CONTACT	85	EA
47	3220163	CONNECTOR AMP 4 PIN 1-480702-0	2	EA
48	3028875	CNCTR 4WAY PLUG GREY DT04-4P	2	EA
49	3028884	LOCK WEDGE 4 PIN DEUTSCH W4-P	2	EA
50	3014785	WIRE 10GA SINGLE COND RED	1	EA
51	3014786	WIRE 10GA SINGLE COND BLACK	1	EA
52	12554-009	RECEPTACLE 2 WIRE	1	EA
53	12554-016	WEDGELOCK FOR DTP04-2P	1	EA
54	12554-008	CONNECTOR DEUTSCH DTP04-4P	1	EA
55	12554-018	WEDGELOCK FOR DTP04-4P	1	EA
56	12554-026	PIN SIZE-12 (12-14GA) DTP	6	EA
57	3220365	HEYCO CORD GRIP 3210	1	EA
58	3049890	LOCK WEDGE 4-PIN	2	EA
59	3049888	CONNECTOR 4-PIN	2	EA
60	3040342	SOCKET CONTACT SIZE 16 16/18GA	2	EA
61	3049849	-LOCK WEDGE 12-PIN DEUTSCH REC	1	EA
62	3049889	CONNECTOR 4 PIN	1	EA
63	3049891	LOCKWEDGE 4 PIN	1	EA

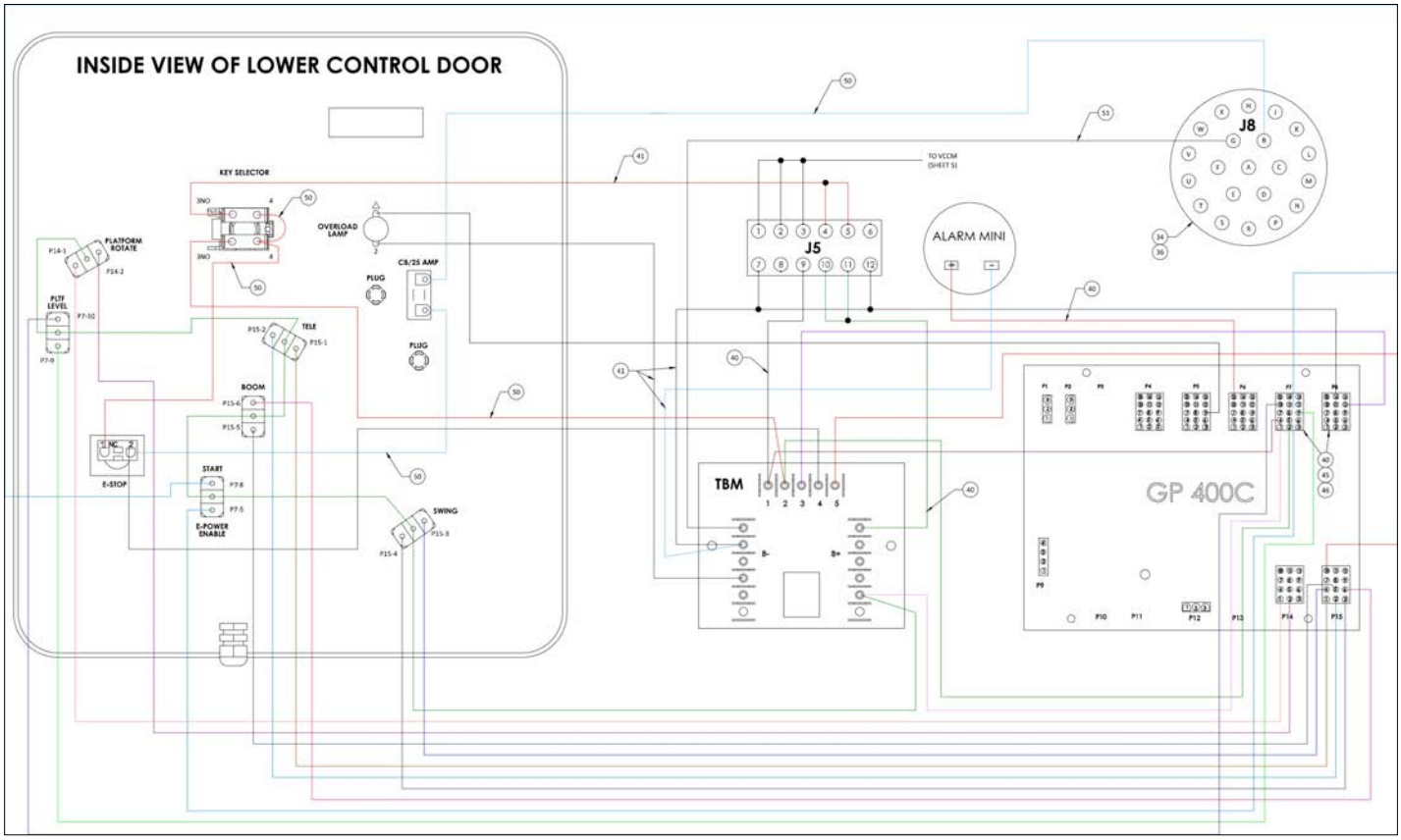
ELECTRICAL

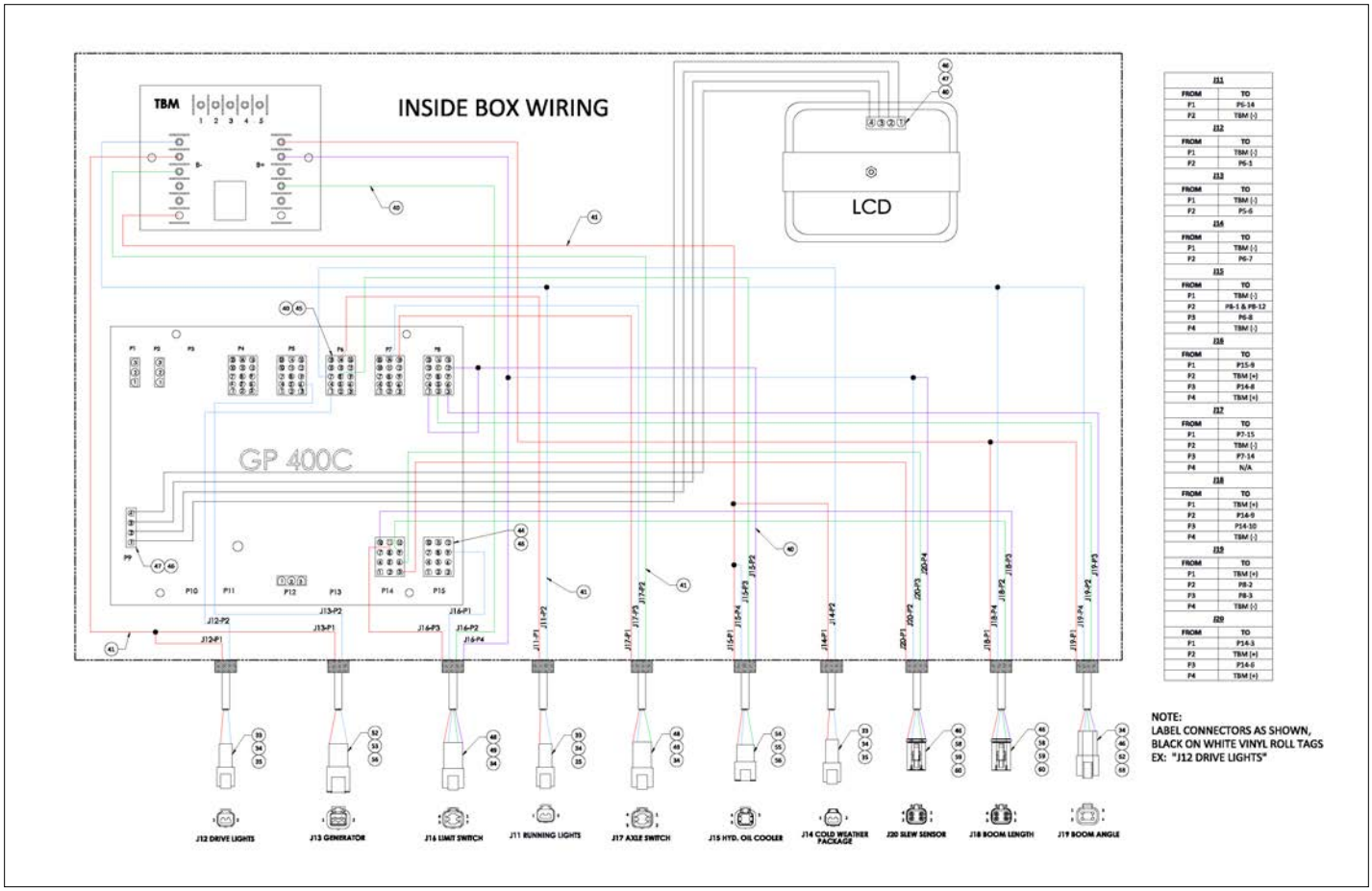



POSITION AND APPLY USING SEAM SEAL SIKAFLEX OR EQUIVALENT TO PERIMETER
ALL COMPONENTS ARE INSTALLED VERTICALLY ALIGNED UNLESS OTHERWISE SPECIFIED
REAR VIEW OF FRONT PANEL


A
DETAIL A


TBM
INSIDE BOX WIRING
J5
J7
J8
GP 400C
PWM VCOM


INSIDE VIEW OF LOWER CONTROL DOOR
KEY SELECTOR
OVERLOAD LAMP
CB/25 AMP
PLUG
PLUG
PLATFORM ROTATE
PLTF LEVEL
TELE
BOOM
E-STOP
START
E-POWER ENABLE
SWING
J5
J8
ALARM MINI
TO VCOM (SHEET 5)
TBM
GP 400C



J11	
FROM	TO
P1	P5-14
P2	TBM (-)

J12	
FROM	TO
P1	TBM (-)
P2	P6-3

J13	
FROM	TO
P1	TBM (-)
P2	P5-6

J14	
FROM	TO
P1	TBM (-)
P2	P6-7

J15	
FROM	TO
P1	TBM (-)
P2	P8-1 & P8-12
P3	P6-8
P4	TBM (-)

J16	
FROM	TO
P1	P15-9
P2	TBM (+)
P3	P14-8
P4	TBM (+)

J17	
FROM	TO
P1	P7-15
P2	TBM (-)
P3	P7-14
P4	N/A

J18	
FROM	TO
P1	TBM (+)
P2	P14-9
P3	P14-10
P4	TBM (-)

J19	
FROM	TO
P1	TBM (+)
P2	P8-2
P3	P8-3
P4	TBM (-)

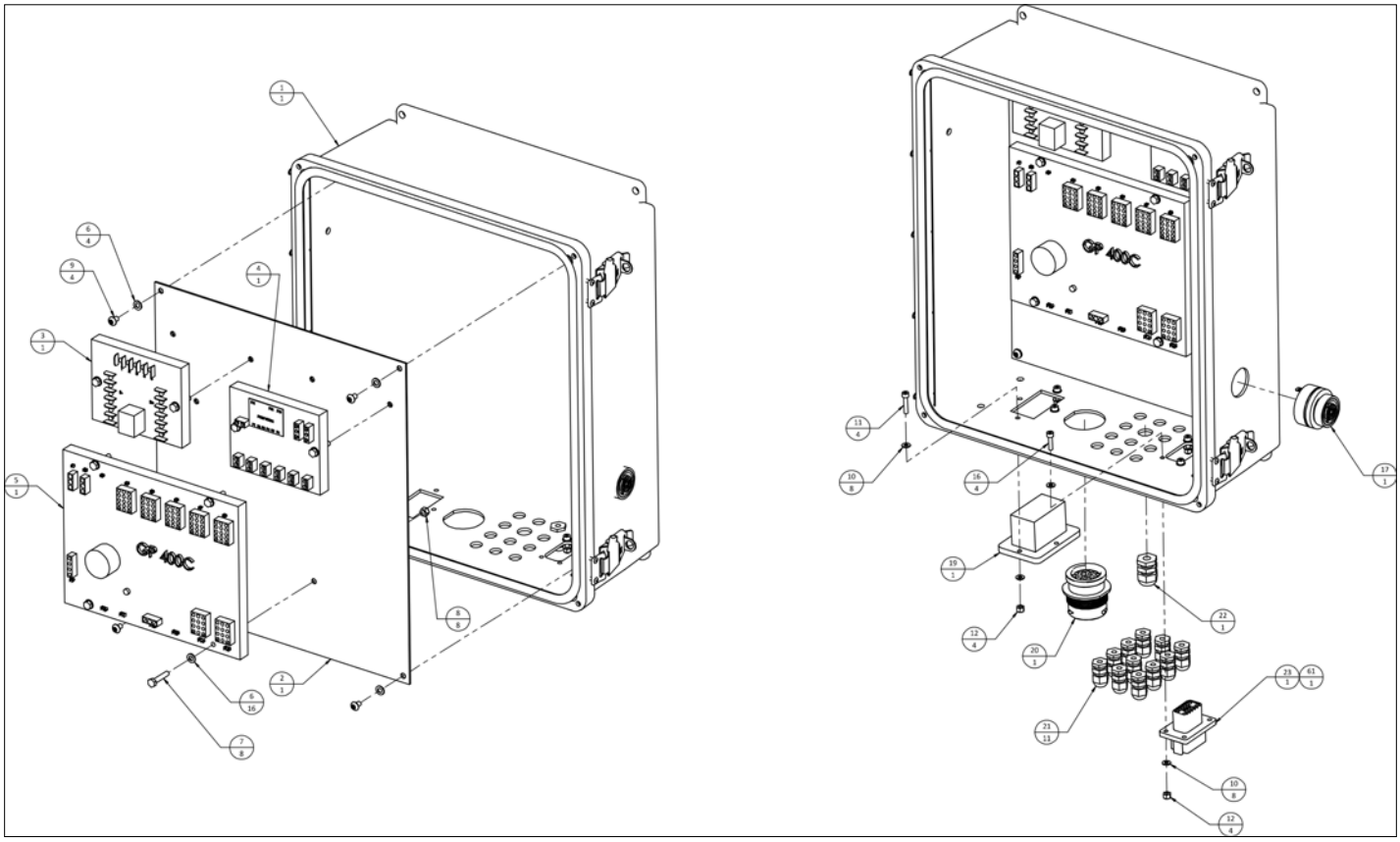
J20	
FROM	TO
P1	P14-3
P2	TBM (+)
P3	P14-6
P4	TBM (+)

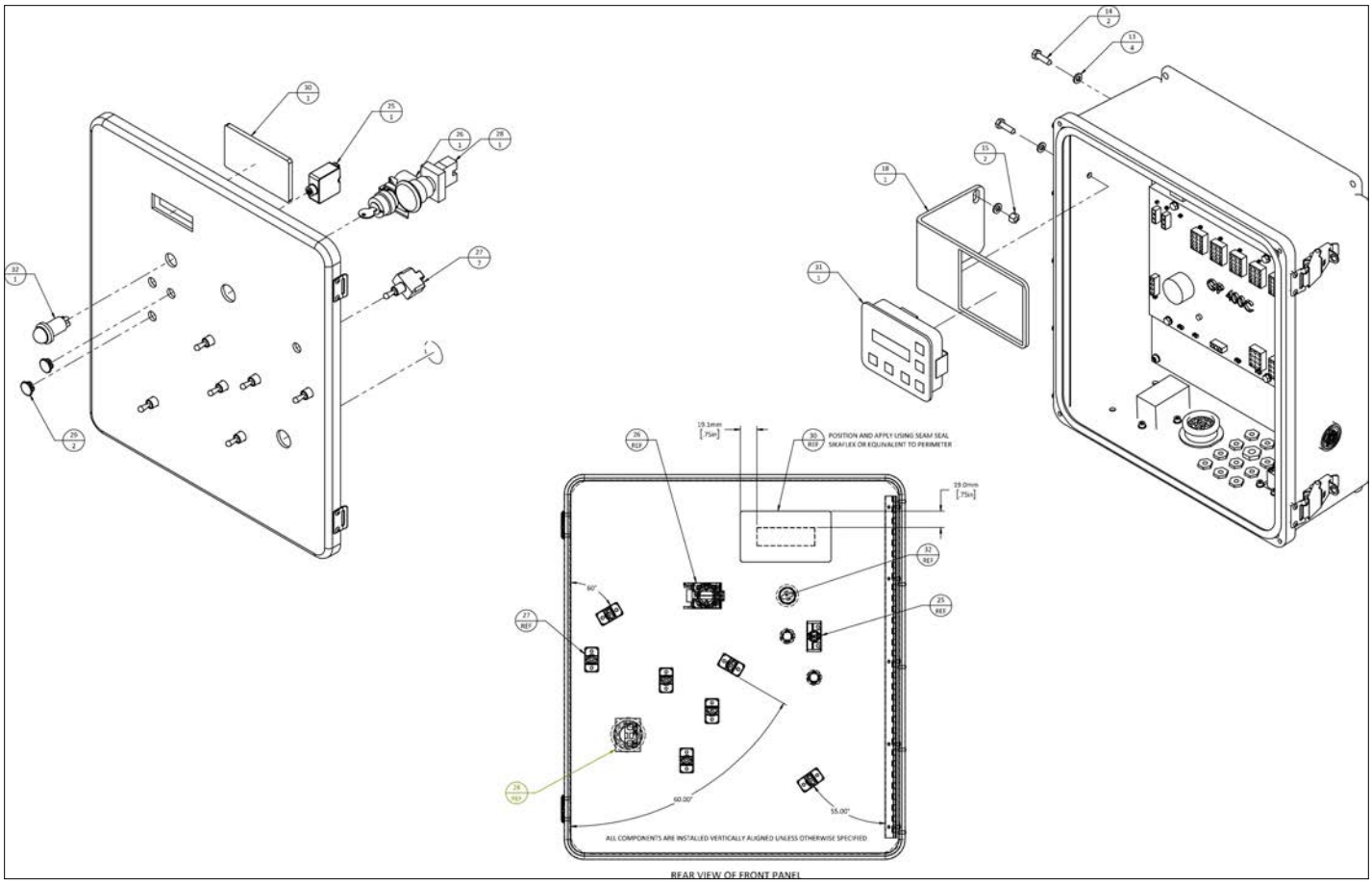
アイテム	部品番号	名前	数量	UOM
-	1433407 D	LOWER CONTROL BOX DEUTZ 400S		EA
1	1430787	BACKING PLATE	1	EA
2	3030181	Trionics - TBM	1	EA
3	3030174	VALVE CURRENT CONTROL MODULE	1	EA
4	1433307	GP400C	1	EA
5	056069-005	Washer SteelFlatWasher DIN125A	20	EA
6	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	8	EA
7	056064-005	Nut, NylockNut DIN985 M5 10.0	8	EA
8	5563760	SCS BUTN HD M5X0.8X8 ZN 10.9	4	EA
9	056069-004	Wshr, SteelFlatWshr M4 DIN125	16	EA
10	058500-020	Bolt, SktCapScrew DIN912 M4 x	4	EA
11	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	8	EA
12	056069-006	WSHR STEELFLATWSHE M6 DIN125A	4	EA
13	056058-020	Bolt, HexBolt DIN931 M6 x 20mm	2	EA
14	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
15	510563-016	Bolt, SktCapScrew DIN912 M4 x	4	EA
16	1433487	BRKT, LCD SCREEN, LWR CNTRL BX	1	EA
17	015790-011	DEUTSCH 24PIN CONN DRC 12-24PA	1	EA
18	100338-001	RECPT. DEUTSCH	1	EA
19	3220366	HEYCO CORD GRIP 3207	11	EA
20	3220365	HEYCO CORD GRIP 3210	1	EA
21	3049837	CONNECTOR 12-PIN BHD	1	EA
22	3040069	CIRCUIT BREAKER 25AMP	1	EA
23	3028886	ASY KEY SW 3 POS CPTV2XNO	1	EA

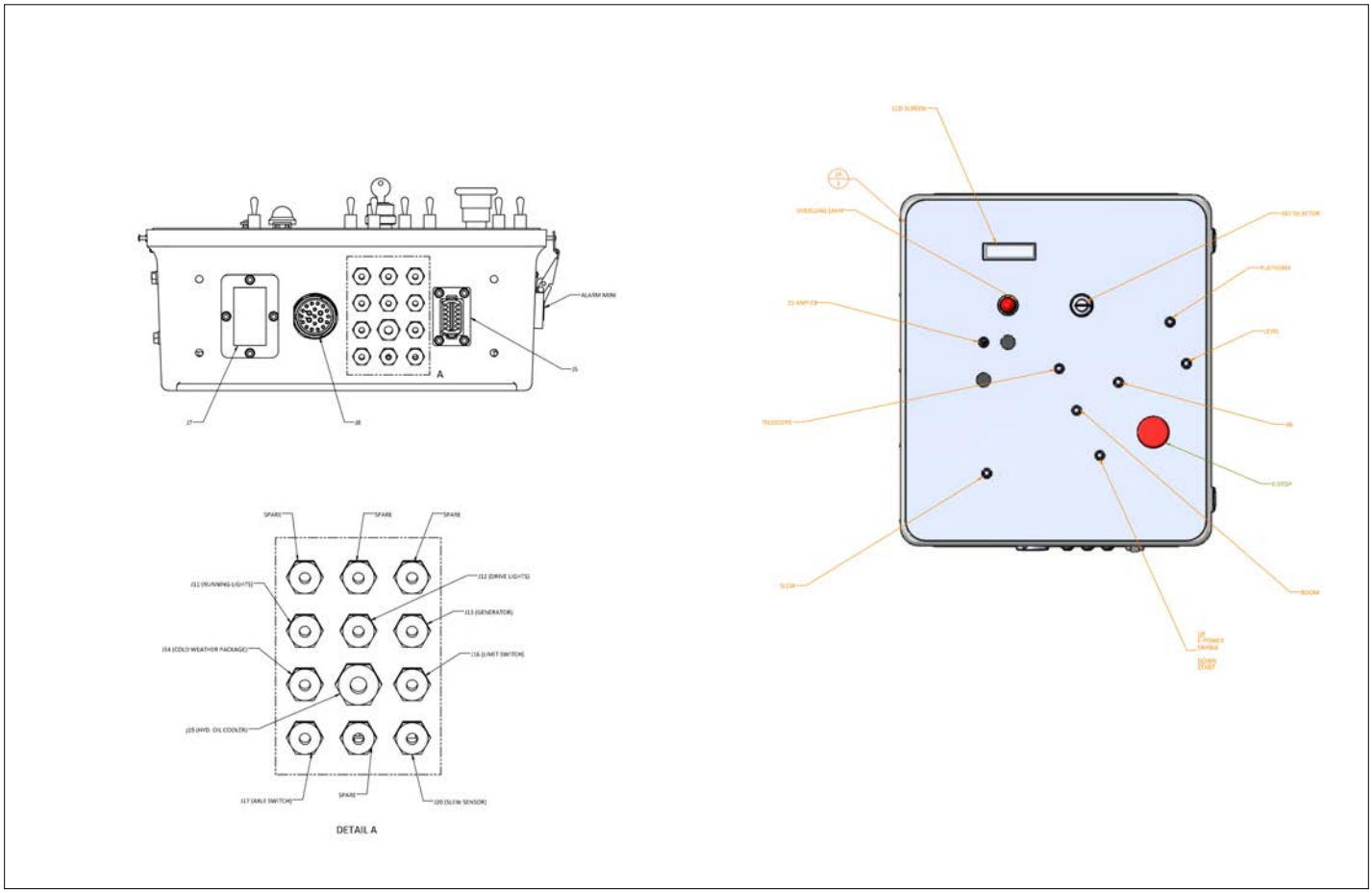
アイテム	部品番号	名前	数量	UOM
*	09-1008	REPLACEMENT KEY	1	EA
24	3020016	Switch, Toggle - Honeywell INTI-7	6	EA
25	3028810	PUSH/PULL EMERGENCY STOP	1	EA
*	09-1931	SHITCH CLAMP BODY	1	EA
*	3028842	SINGLE NC CONTACT BLOCK	1	EA
*	1450107	PUSH BOTTON OPERATOR	1	EA
26	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	2	EA
27	1431983	WINDOW, CLEAR PLEXIGLASS	1	EA
28	3087803	EZCal Panel - Trionics	1	EA
29	3069524	LIGHT RED LED 12V	1	EA
30	1433494	ENCL, LWR CTRL BOX DEUTZ 400S	1	EA
31	1433495	DECAL, LWR CTRL BOX DEUTZ 400S	1	EA
32	3040411	Alarm Buzzer	1	EA
33	3028879	CNCTR 2WAY PLUG GREY DT04-2P	3	EA
34	3040341	PIN CONTACT SIZE 16 16/18 GA-	47	EA
35	3049808	LOCK WEDGE 2-PIN DEUTSCH RECEP	2	EA
36	3040650	SOCKET CONTACT -12 DEUTSCH-DEU	3	EA
37	3011201	WIRE 12GA RED SINGLE CONDUCTOR	1	EA
38	3011251	WIRE 12GA SINGLE CONDUCTOR BLK	1	EA
39	3040700	LOCK WEDGE 8-PIN REC	1	EA
40	3011641	WIRE 16GA SINGLE CONDUCTOR WHT	1	EA
41	3011601	WIRE 16GA SINGLE CONDUCTOR BLK	1	EA
42	3220199	CONNECTOR AMP 3 PIN	3	EA

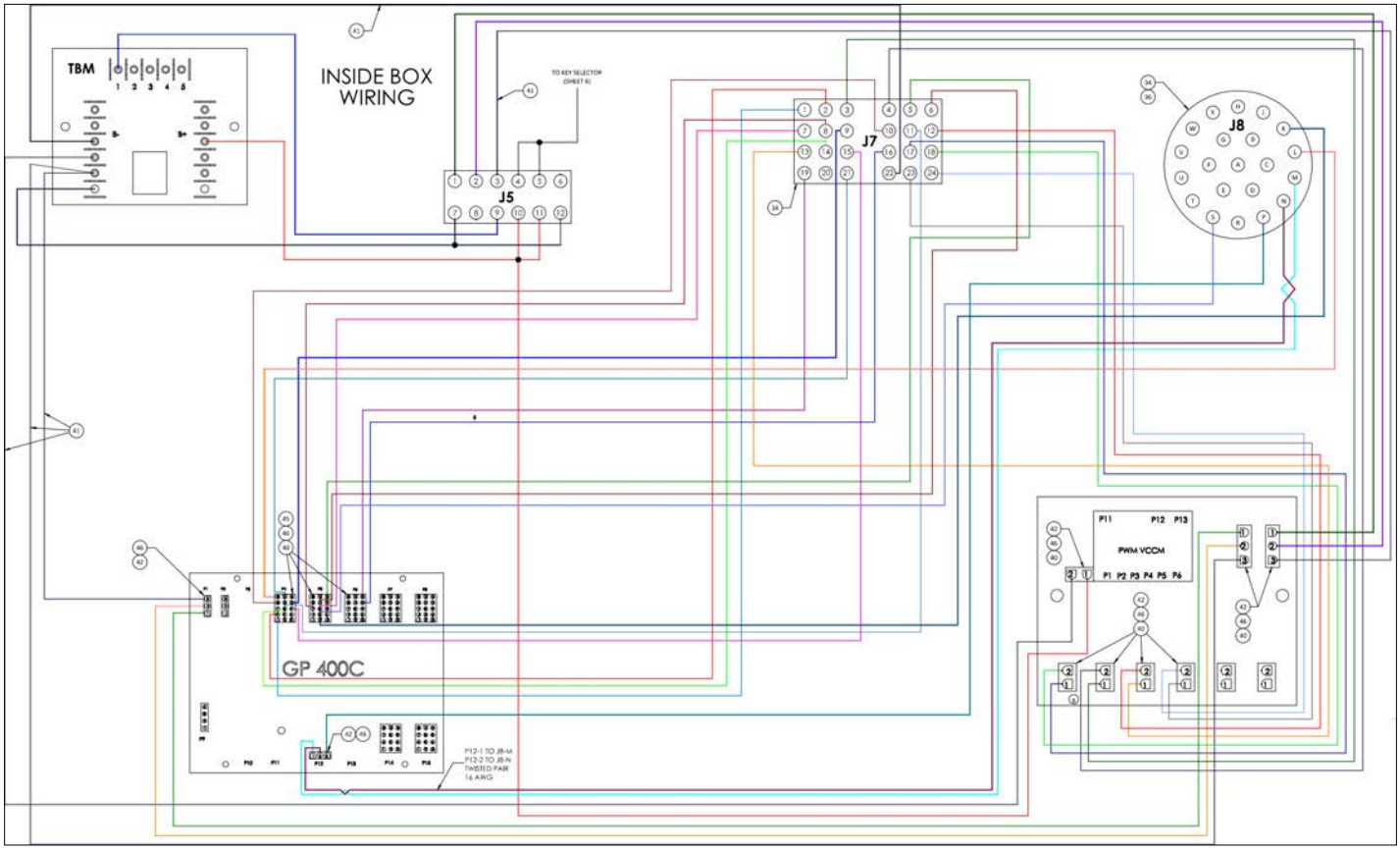
アイテム	部品番号	名前	数量	UOM
43	3220181	CONN AMP 2PIN P/N:1-480698-0	5	EA
44	3220024	CONNECTOR AMP 12 PIN 1-480-708	2	EA
45	3220142	CONNECTOR AMP 15 PIN PLUG	5	EA
46	3049986	AMP SOCKET CONTACT	85	EA
47	3220163	CONNECTOR AMP 4 PIN 1-480702-0	2	EA
48	3028875	CNCTR 4WAY PLUG GREY DT04-4P	2	EA
49	3028884	LOCK WEDGE 4 PIN DEUTSCH W4-P	2	EA
50	3014785	WIRE 10GA SINGLE COND RED	1	EA
51	3014786	WIRE 10GA SINGLE COND BLACK	1	EA
52	12554-009	RECEPTACLE 2 WIRE	1	EA
53	12554-016	WEDGELOCK FOR DTP04-2P	1	EA
54	12554-008	CONNECTOR DEUTSCH DTP04-4P	1	EA
55	12554-018	WEDGELOCK FOR DTP04-4P	1	EA
56	12554-026	PIN SIZE-12 (12-14GA) DTP	6	EA
57	3220365	HEYCO CORD GRIP 3210	1	EA
58	3049890	LOCK WEDGE 4-PIN	2	EA
59	3049888	CONNECTOR 4-PIN	2	EA
60	3040342	SOCKET CONTACT SIZE 16 16/18GA	2	EA
61	3049849	-LOCK WEDGE 12-PIN DEUTSCH REC	1	EA
62	3049889	CONNECTOR 4 PIN	1	EA
63	3049891	LOCKWEDGE 4 PIN	1	EA

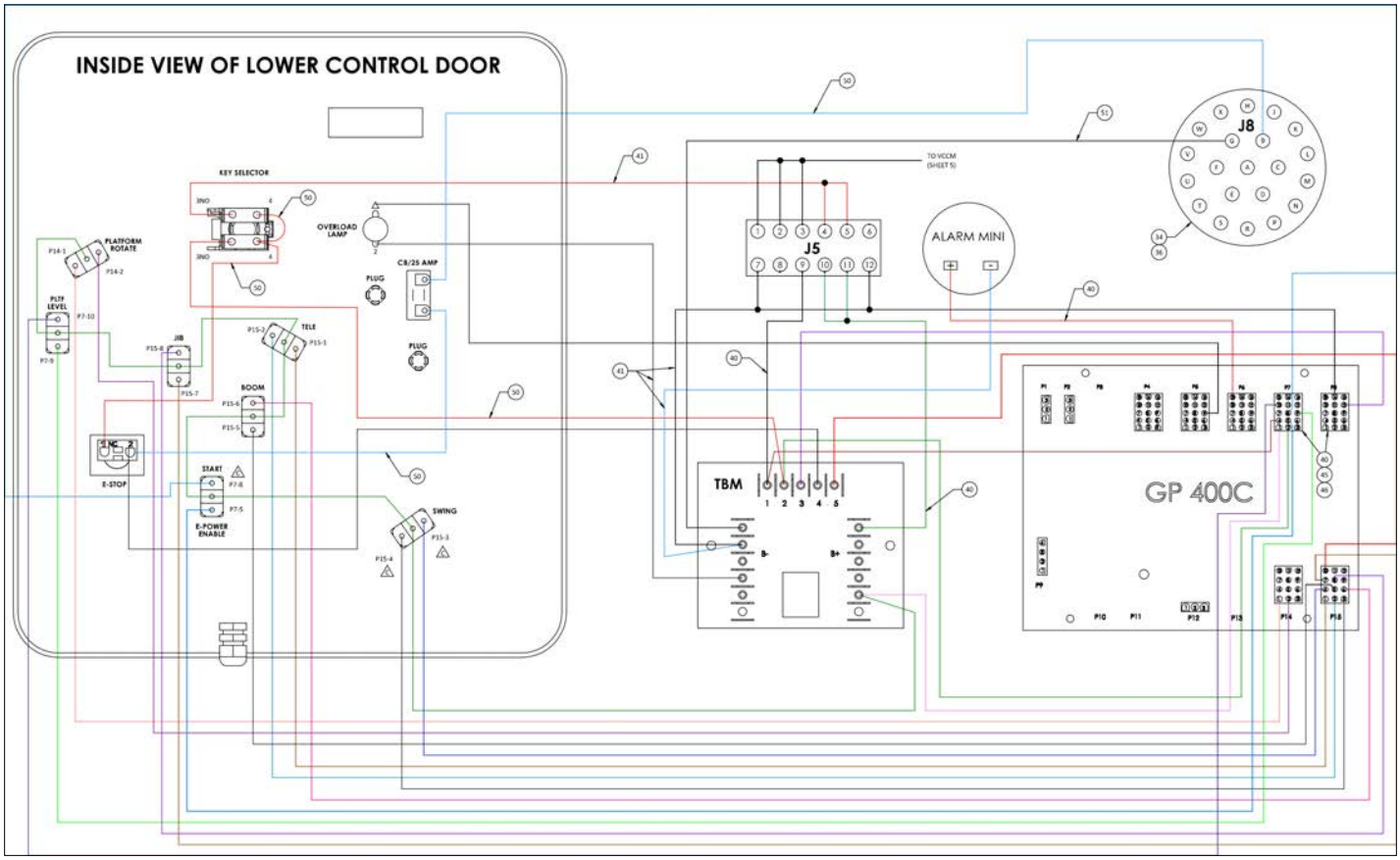
ELECTRICAL

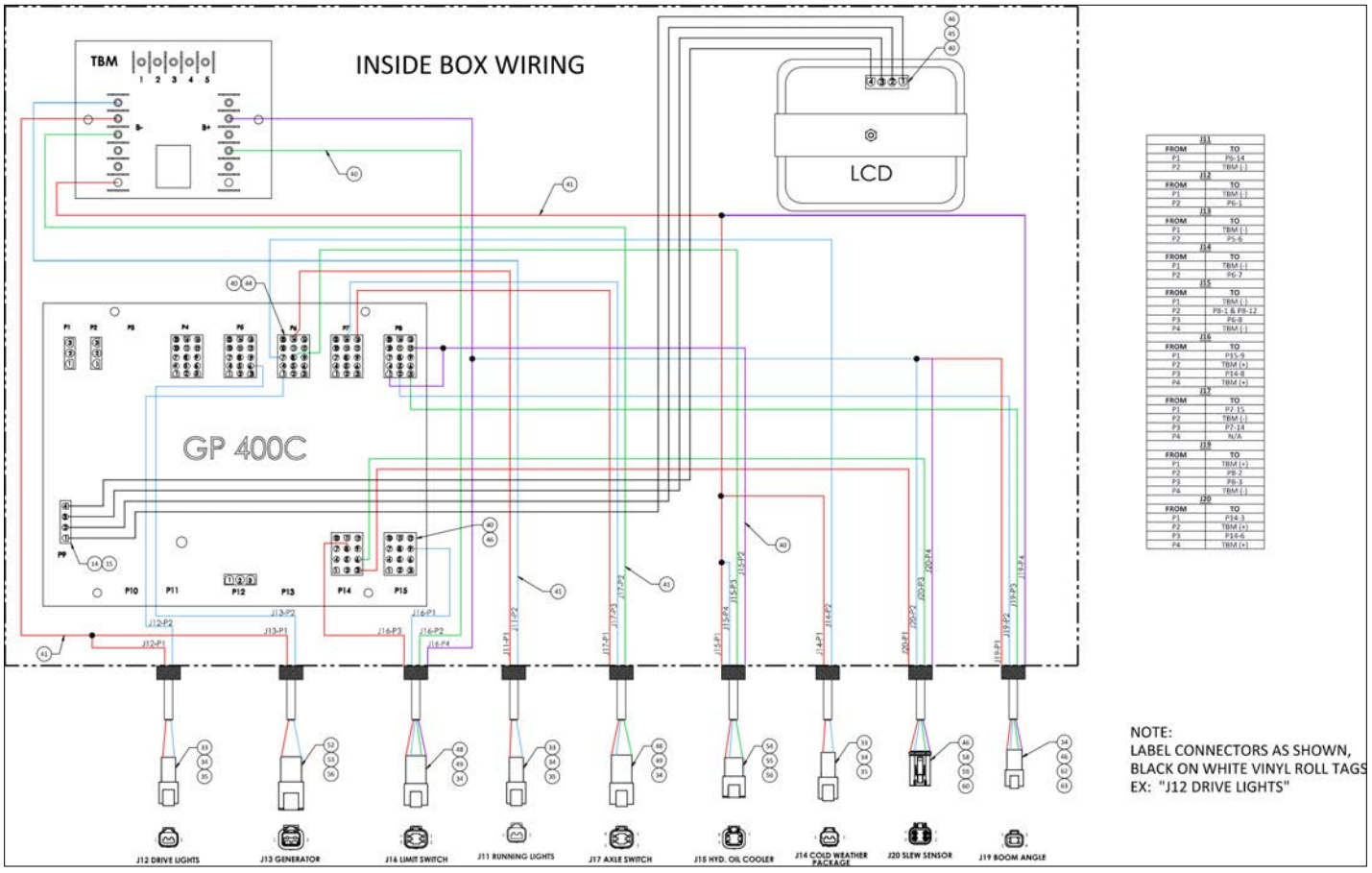



POSITION AND APPLY USING SEAM SEAL SIKAFLEX OR EQUIVALENT TO PERIMETER
60.00°
55.00°
ALL COMPONENTS ARE INSTALLED VERTICALLY ALIGNED UNLESS OTHERWISE SPECIFIED
REAR VIEW OF FRONT PANEL


ALARM MINI
A
J7
J8
SPARE
SPARE
SPARE
J11 (RUNNING LIGHTS)
J12 (DRIVE LIGHTS)
J13 (GENERATOR)
J14 (COLD WEATHER PACKAGE)
J16 (LIMIT SWITCH)
J15 (HYD. OIL COOLER)
J17 (AXLE SWITCH)
SPARE
J20 (SLEW SENSOR)
DETAIL A


TBM
INSIDE BOX
WIRING
J5
J7
J8
GP 400C
P11
P12
P13
PWM VCCM
P1 P2 P3 P4 P5 P6


INSIDE VIEW OF LOWER CONTROL DOOR
KEY SELECTOR
OVERLOAD LAMP
CB/25 AMP
PLUG
PLUG
PLATFORM ROTATE
PLTF LEVEL
JIB
TELE
BOOM
E-STOP
START
E-POWER ENABLE
SWING
J5
J8
ALARM MINI
TBM
GP 400C


INSIDE BOX WIRING
TBM
LCD
GP 400C
NOTE:
LABEL CONNECTORS AS SHOWN,
BLACK ON WHITE VINYL ROLL TAGS
EX: "J12 DRIVE LIGHTS"
J12 DRIVE LIGHTS
J13 GENERATOR
J16 LIMIT SWITCH
J11 RUNNING LIGHTS
J17 AXLE SWITCH
J15 HYD. OIL COOLER
J14 COLD WEATHER PACKAGE
J20 SLEW SENSOR
J19 BOOM ANGLE

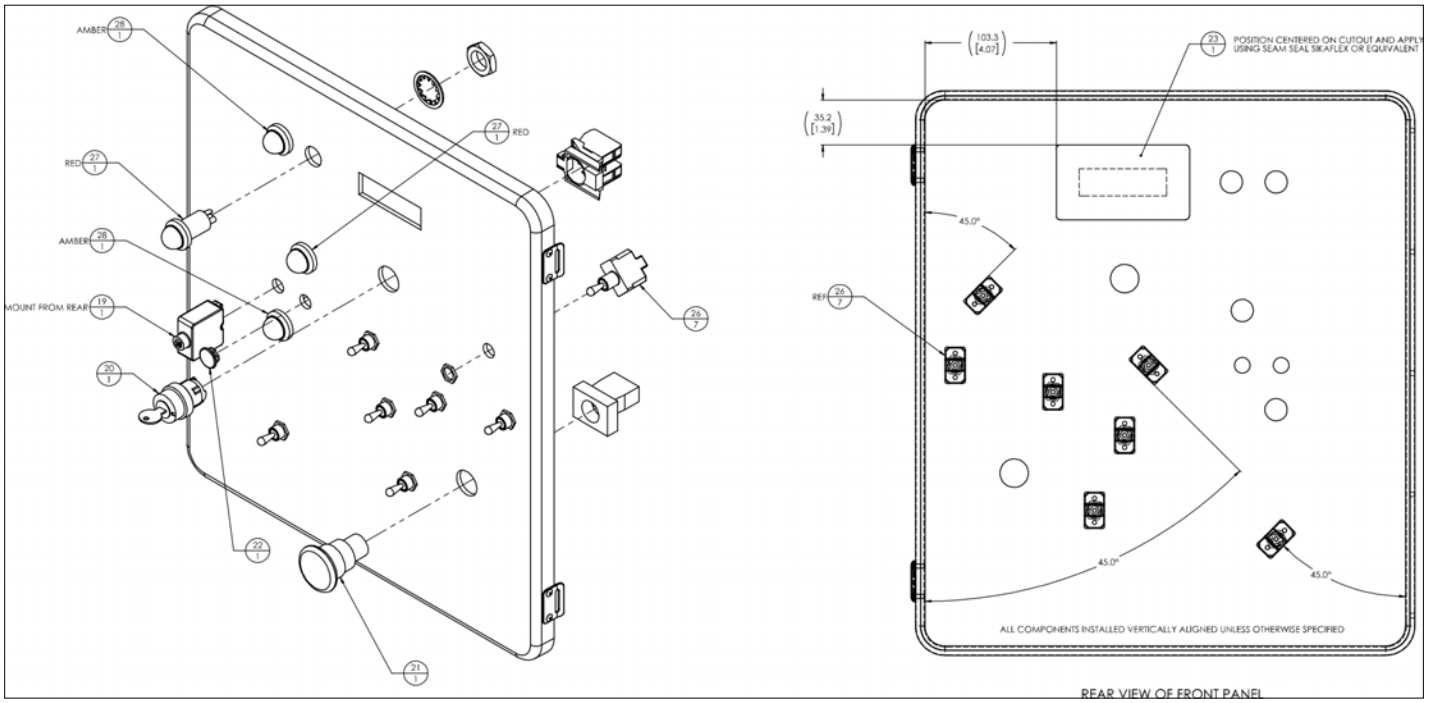
アイテム	部品番号	名前	数量	UOM
-	1433408 C	LOWER CONTROL BOX ASSEMBLY DEUTZ 460SJ JANUARY 2020 AND BEFORE		EA
1	1433475	ENCL, LWR CTRL BOX DEUTZ 460SJ	1	EA
2	1430787	BACKING PLATE	1	EA
3	3030181	Trionics - TBM	1	EA
4	3030174	VALVE CURRENT CONTROL MODULE	1	EA
5	1433307	GP400C	1	EA
6	056069-005	Washer SteelFlatWasher DIN125A	20	EA
7	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	8	EA
8	056064-005	Nut, NylockNut DIN985 M5 10.0	8	EA
9	5563760	SCS BUTN HD M5X0.8X8 ZN 10.9	4	EA
10	056069-004	Wshr, SteelFlatWshr M4 DIN125	16	EA
12	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	8	EA
13	056069-006	WSHR STEELFLATWSHE M6 DIN125A	4	EA
11	058500-020	Bolt, SktCapScrew DIN912 M4 x	4	EA
14	056058-020	Bolt, HexBolt DIN931 M6 x 20mm	2	EA
15	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
16	510563-016	Bolt, SktCapScrew DIN912 M4 x	4	EA
17	3040411	Alarm Buzzer	1	EA
18	1433487	BRKT, LCD SCREEN, LWR CNTRL BX	1	EA
19	015790-011	DEUTSCH 24PIN CONN DRC 12-24PA	1	EA
20	100338-001	RECPT. DEUTSCH	1	EA
21	3220366	HEYCO CORD GRIP 3207	11	EA
22	3220365	HEYCO CORD GRIP 3210	1	EA

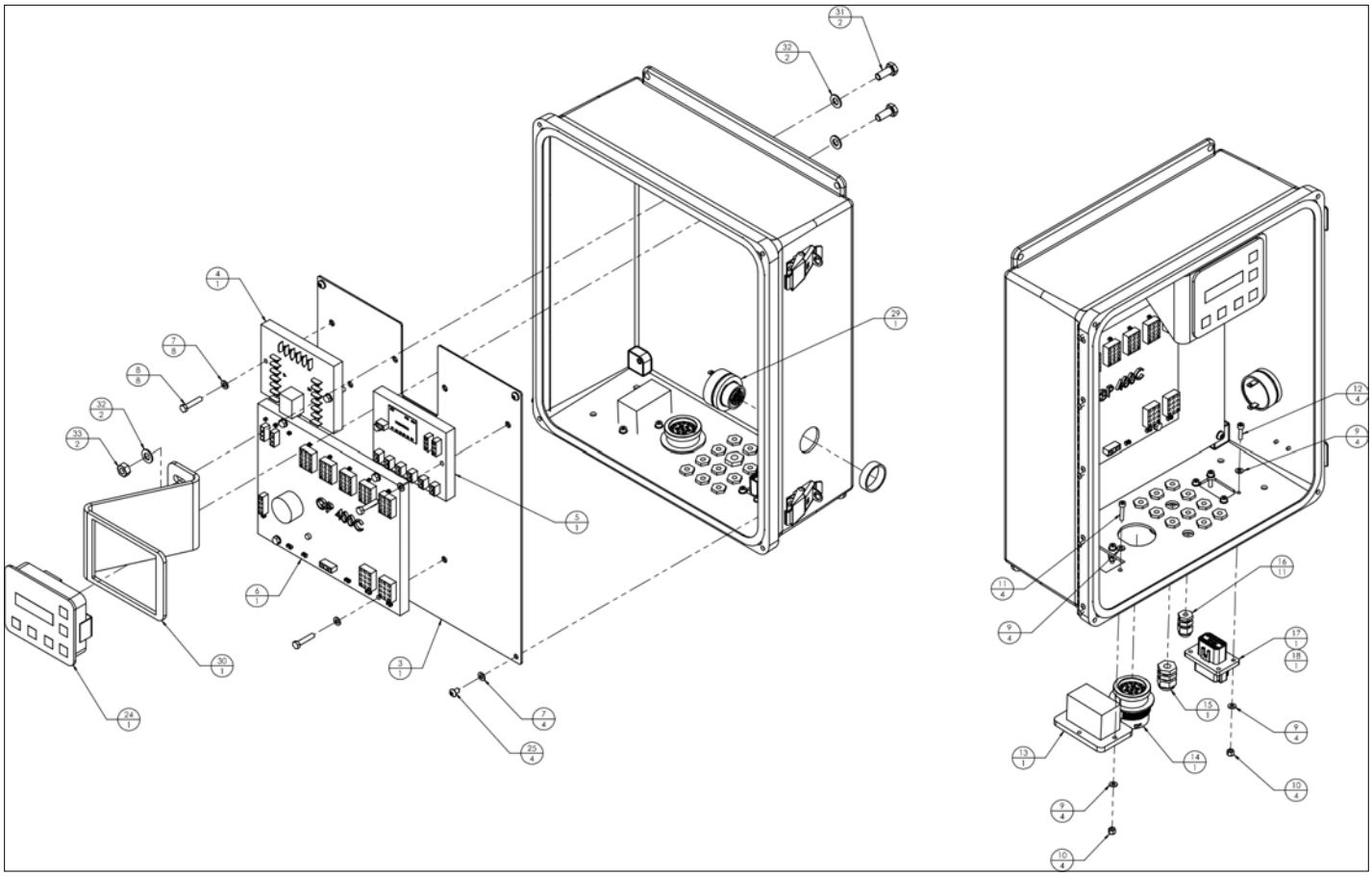
アイテム	部品番号	名前	数量	UOM
23	3049837	CONNECTOR 12-PIN BHD	1	EA
24	1433489	DECAL, LWR CTRL BOX DEUTZ 460S	1	EA
25	3040069	CIRCUIT BREAKER 25AMP	1	EA
26	3028886	ASY KEY SW 3 POS CPTV2XNO	1	EA
*	09-1008	REPLACEMENT KEY	1	EA
27	3020016	Switch, Toggle - Honeywell INTI-7	7	EA
28	3028810	PUSH/PULL EMERGENCY STOP	1	EA
29	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	2	EA
30	1431983	WINDOW, CLEAR PLEXIGLASS	1	EA
31	3087803	EZCal Panel - Trionics	1	EA
32	3069524	LIGHT RED LED 12V	1	EA
33	3028879	CNCTR 2WAY PLUG GREY DT04-2P	3	EA
34	3040341	PIN CONTACT SIZE 16 16/18 GA-	46	EA
35	3049808	LOCK WEDGE 2-PIN DEUTSCH RECEP	2	EA
36	3040650	SOCKET CONTACT -12 DEUTSCH-DEU	3	EA
37	3011201	WIRE 12GA RED SINGLE CONDUCTOR	1	EA
38	3011251	WIRE 12GA SINGLE CONDUCTOR BLK	1	EA
39	3040700	LOCK WEDGE 8-PIN REC	1	EA
40	3011641	WIRE 16GA SINGLE CONDUCTOR WHT	1	EA
41	3011601	WIRE 16GA SINGLE CONDUCTOR BLK	1	EA
42	3220199	CONNECTOR AMP 3 PIN	3	EA
43	3220181	CONN AMP 2PIN P/N:1-480698-0	5	EA

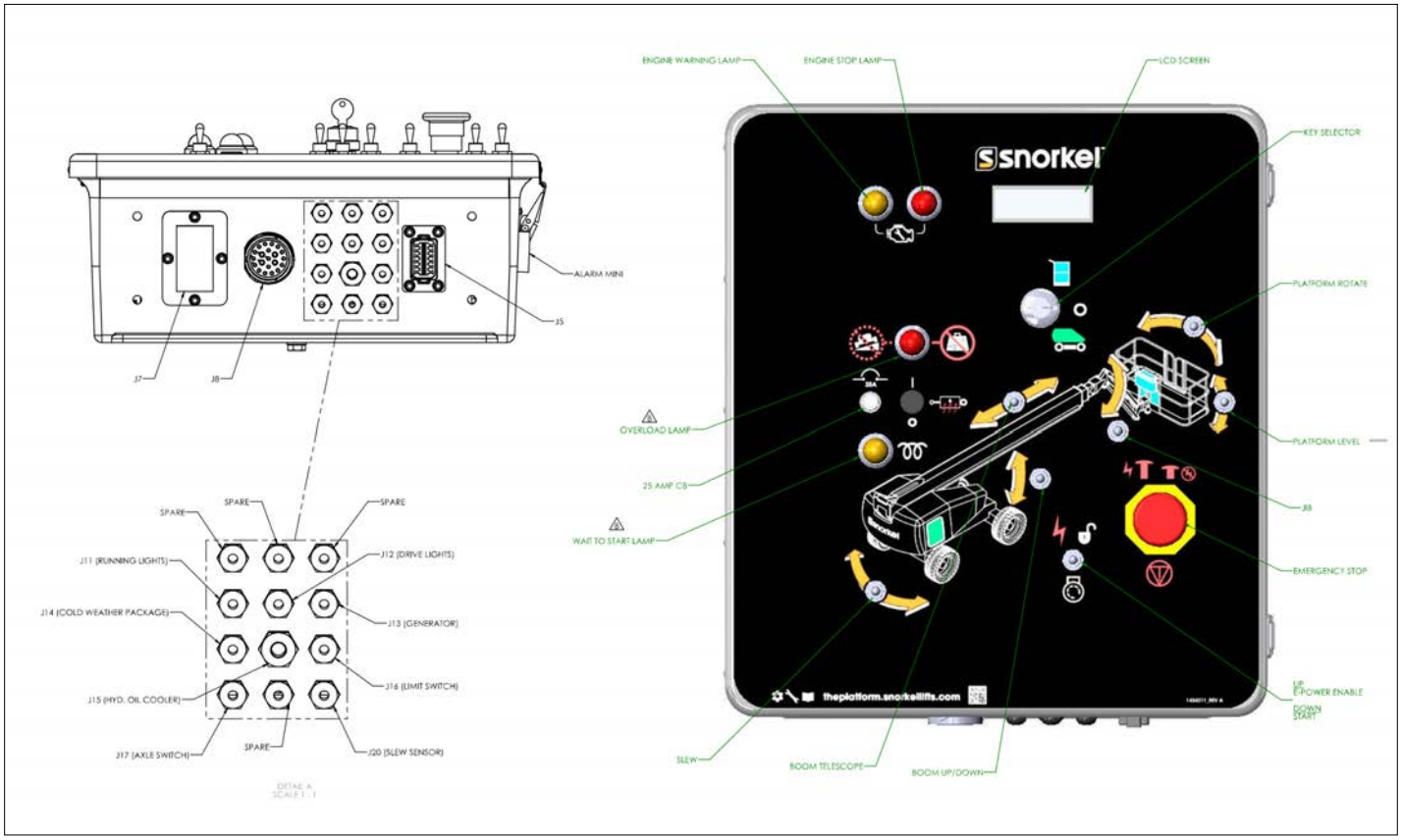
アイテム	部品番号	名前	数量	UOM
44	3220024	CONNECTOR AMP 12 PIN 1-480-708	2	EA
45	3220142	CONNECTOR AMP 15 PIN PLUG	5	EA
46	3049986	AMP SOCKET CONTACT	77	EA
47	3220163	CONNECTOR AMP 4 PIN 1-480702-0	2	EA
48	3028875	CNCTR 4WAY PLUG GREY DT04-4P	2	EA
49	3028884	LOCK WEDGE 4 PIN DEUTSCH W4-P	2	EA
50	3014785	WIRE 10GA SINGLE COND RED	1	EA
51	3014786	WIRE 10GA SINGLE COND BLACK	1	EA
52	12554-009	RECEPTACLE 2 WIRE	1	EA
53	12554-016	WEDGELOCK FOR DTP04-2P	1	EA
54	12554-008	CONNECTOR DEUTSCH DTP04-4P	1	EA
55	12554-018	WEDGELOCK FOR DTP04-4P	1	EA
56	12554-026	PIN SIZE-12 (12-14GA) DTP	6	EA
57	3220365	HEYCO CORD GRIP 3210	1	EA
58	3049890	LOCK WEDGE 4-PIN	1	EA
59	3049888	CONNECTOR 4-PIN	1	EA
60	3040342	SOCKET CONTACT SIZE 16 16/18GA	1	EA
61	3049849	-LOCK WEDGE 12-PIN DEUTSCH REC	1	EA
62	3049889	CONNECTOR 4 PIN	1	EA
63	3049891	LOCKWEDGE 4 PIN	1	EA

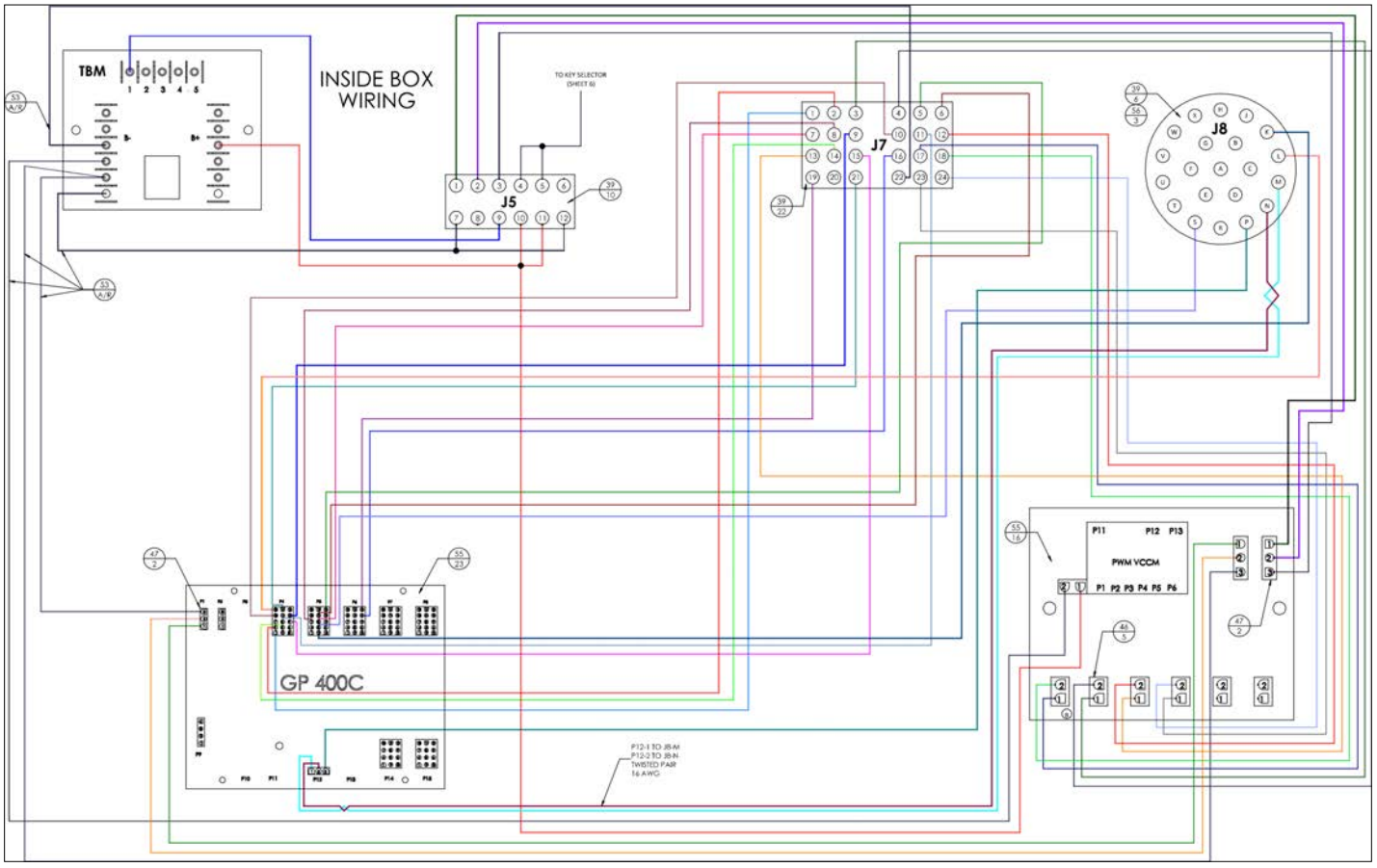
ELECTRICAL

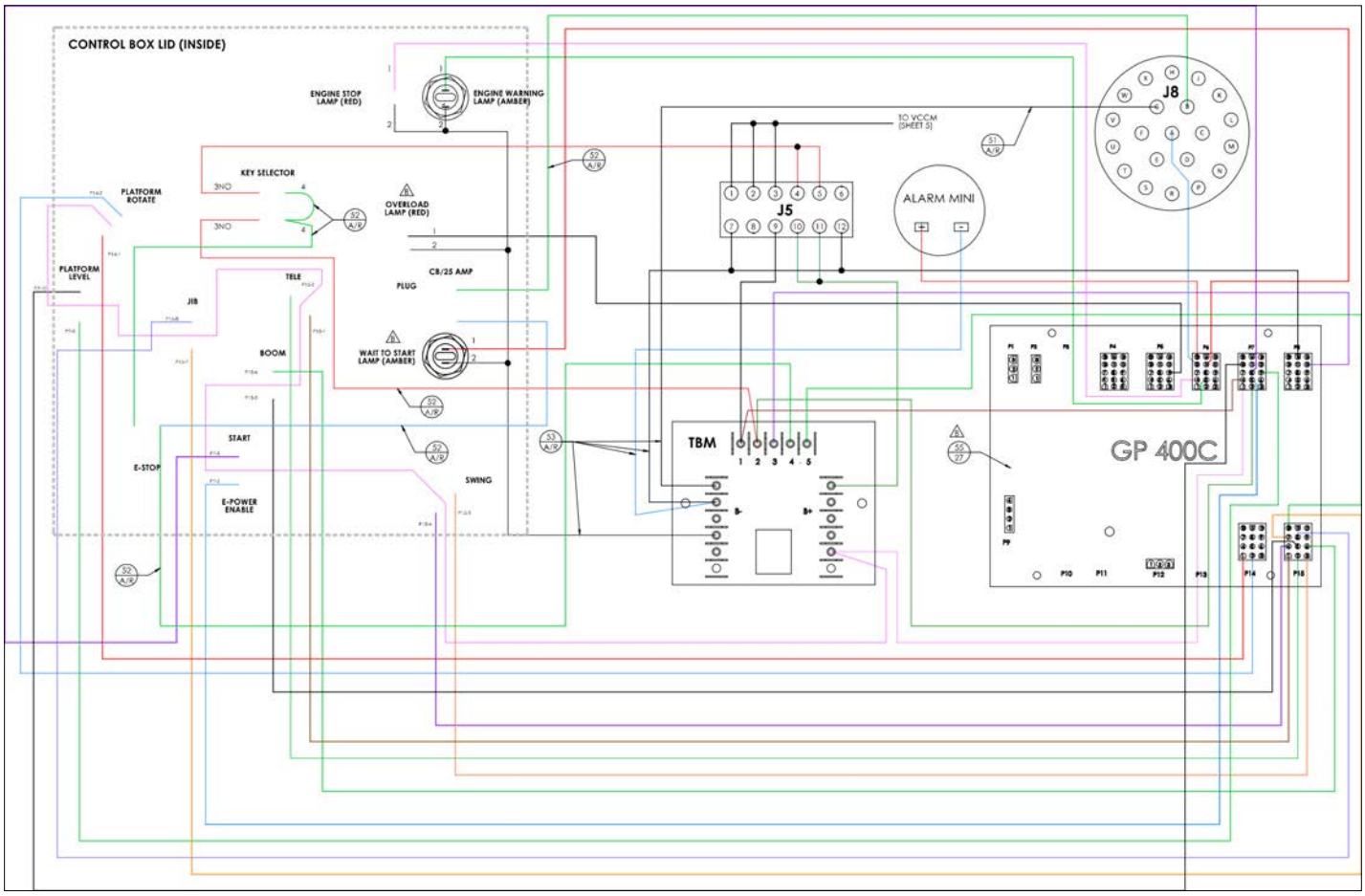

snorkel
theplatform.snorkellifts.com
ALL WIRES IN CONTROL BOX TO BE
WHITE 16 GA SINGLE CONDUCTOR
UNLESS OTHERWISE SPECIFIED.
(ITEM 51) P/N: 3011641

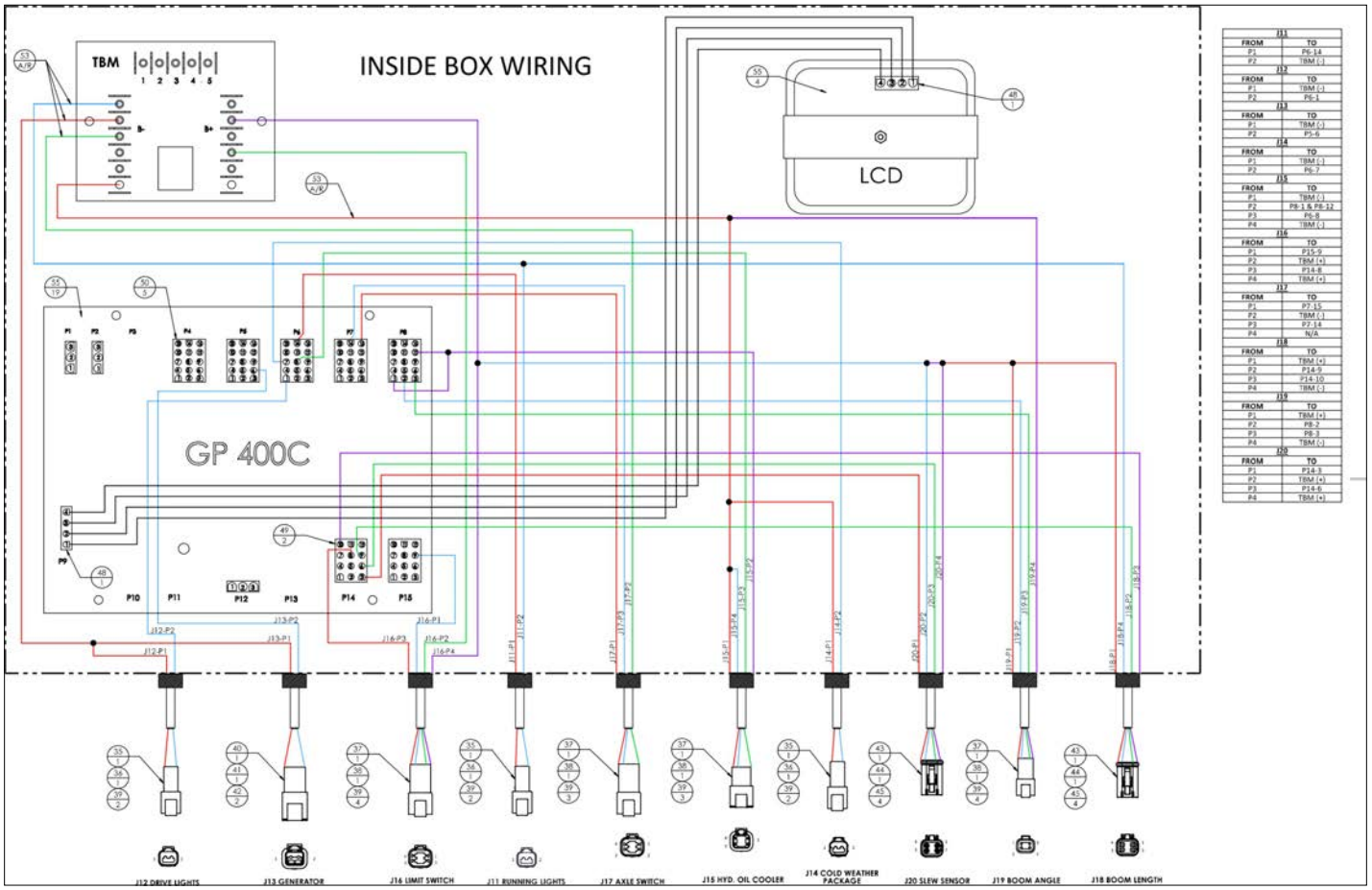

AMBER 28 1
RED 27 1
AMBER 28 1
MOUNT FROM REAR 19 1
20 1
27 1 RED
24 7
22 1
21 1
(103.3 [4.07])
(35.2 [1.39])
23 1 POSITION CENTERED ON CUTOUT AND APPLY USING SEAM SEAL SIKAFLEX OR EQUIVALENT
45.0°
RED 26 7
45.0°
45.0°
ALL COMPONENTS INSTALLED VERTICALLY ALIGNED UNLESS OTHERWISE SPECIFIED
REAR VIEW OF FRONT PANEL




ENGINE WARNING LAMP
ENGINE STOP LAMP
LCD SCREEN
KEY SELECTOR
PLATFORM ROTATE
PLATFORM LEVEL
J8
EMERGENCY STOP
UP POWER ENABLE
DOWN START
BOOM UP/DOWN
BOOM TELESCOPE
SLEW
OVERLOAD LAMP
25 AMP CB
WAIT TO START LAMP
ALARM MINI
J5
J7
J8
SPARE
SPARE
SPARE
J11 (RUNNING LIGHTS)
J12 (DRIVE LIGHTS)
J14 (COLD WEATHER PACKAGE)
J13 (GENERATOR)
J15 (HYD. OIL COOLER)
J16 (LIMIT SWITCH)
J17 (AXLE SWITCH)
SPARE
J20 (SLEW SENSOR)
snorkel
thepiatform.snorkellifts.com


TBM
INSIDE BOX
WIRING
J5
J7
J8
GP 400C
PWM VCCM


CONTROL BOX LID (INSIDE)
ENGINE STOP LAMP (RED)
ENGINE WARNING LAMP (AMBER)
KEY SELECTOR
3NO
3NO
PLATFORM ROTATE
PLATFORM LEVEL
JIB
TELE
BOOM
START
E-STOP
E-POWER ENABLE
OVERLOAD LAMP (RED)
CB/25 AMP
PLUG
WAIT TO START LAMP (AMBER)
SWING
TO VCCM (SHEET 5)
J5
J8
ALARM MINI
TBM
1 2 3 4 5
B-
B+
GP 400C
P1
P2
P3
P4
P5
P6
P7
P8
P9
P10
P11
P12
P13
P14
P15


INSIDE BOX WIRING
TBM
LCD
GP 400C
J12 DRIVE LIGHTS
J13 GENERATOR
J16 LIMIT SWITCH
J11 RUNNING LIGHTS
J17 AXLE SWITCH
J15 HYD. OIL COOLER
J14 COLD WEATHER PACKAGE
J20 SLEW SENSOR
J19 BOOM ANGLE
J18 BOOM LENGTH

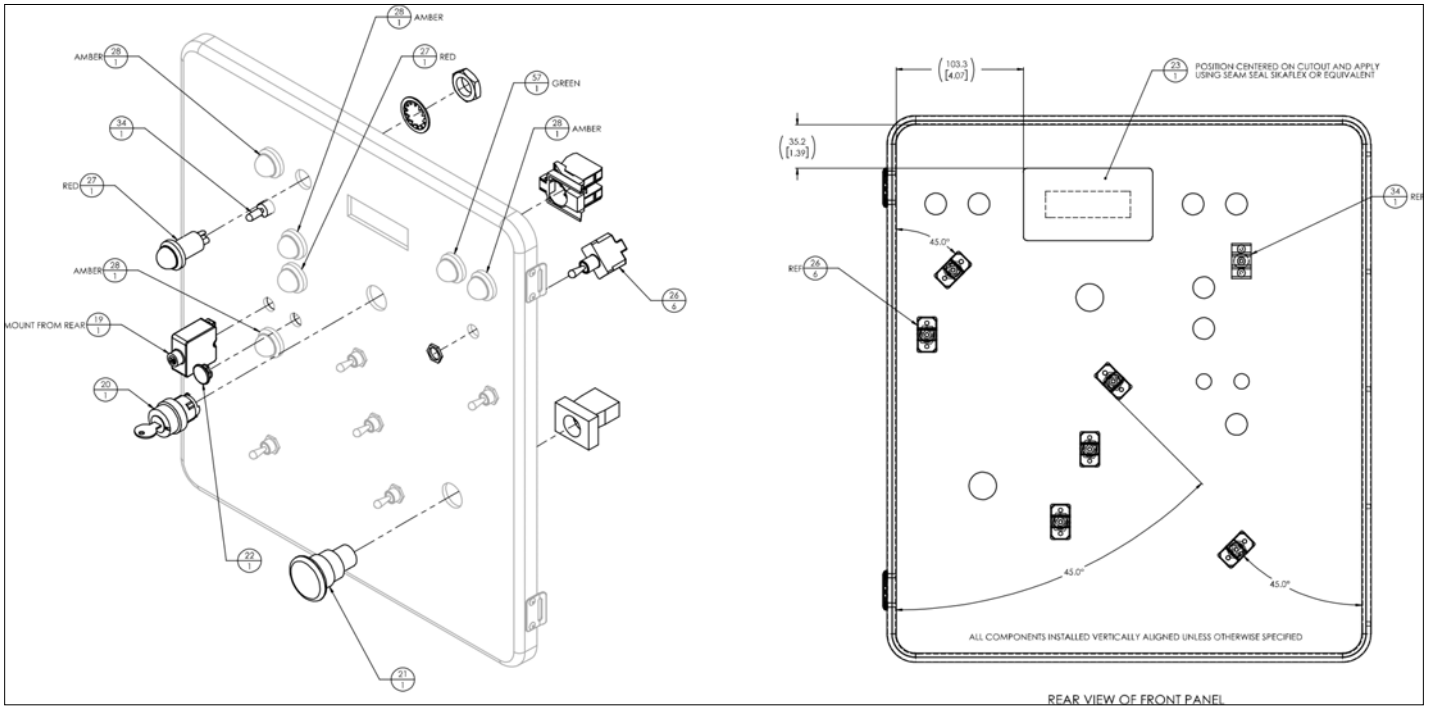
アイテム	部品番号	名前	数量	UOM
-	1434128 E	LOWER CONTROL BOX ASSEMBLY DEUTZ TIER 4 460SJ 660SJ FEBURARY 2020 AND AFTER		EA
1	1434314	ENCLOSURE, LOWER CONTROL BOX 460/660 DEUTZ T4F	1	EA
2	1434311	DECAL, LOWER CONTROL BOX 460/660 DEUTZ T4F	1	EA
3	1434077	WLDMT BACKING PLT LOWER CTRL BOX DEUTZ	1	EA
4	3030181	Trionics - TBM	1	EA
5	3030174	VALVE CURRENT CONTROL MODULE	1	EA
6	1433307	GP400C	1	EA
7	056069-005	Washer SteelFlatWasher DIN125A	12	EA
8	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	8	EA
9	056069-004	Wshr, SteelFlatWshr M4 DIN125	16	EA
10	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	8	EA
11	058500-020	Bolt, SktCapScrew DIN912 M4 x	4	EA
12	510563-016	Bolt, SktCapScrew DIN912 M4 x	4	EA
13	015790-011	DEUTSCH 24PIN CONN DRC 12-24PA	1	EA
14	100338-001	RECPT. DEUTSCH	1	EA
15	3220365	HEYCO CORD GRIP 3210	1	EA
16	3220366	HEYCO CORD GRIP 3207	11	EA
17	3049837	CONNECTOR 12-PIN BHD	1	EA
18	3049849	-LOCK WEDGE 12-PIN DEUTSCH REC	1	EA
19	3040069	CIRCUIT BREAKER 25AMP	1	EA
20	3028886	ASY KEY SW 3 POS CPTV2XNO	1	EA
*	09-1008	REPLACEMENT KEY	1	EA
21	3028810	PUSH/PULL EMERGENCY STOP	1	EA

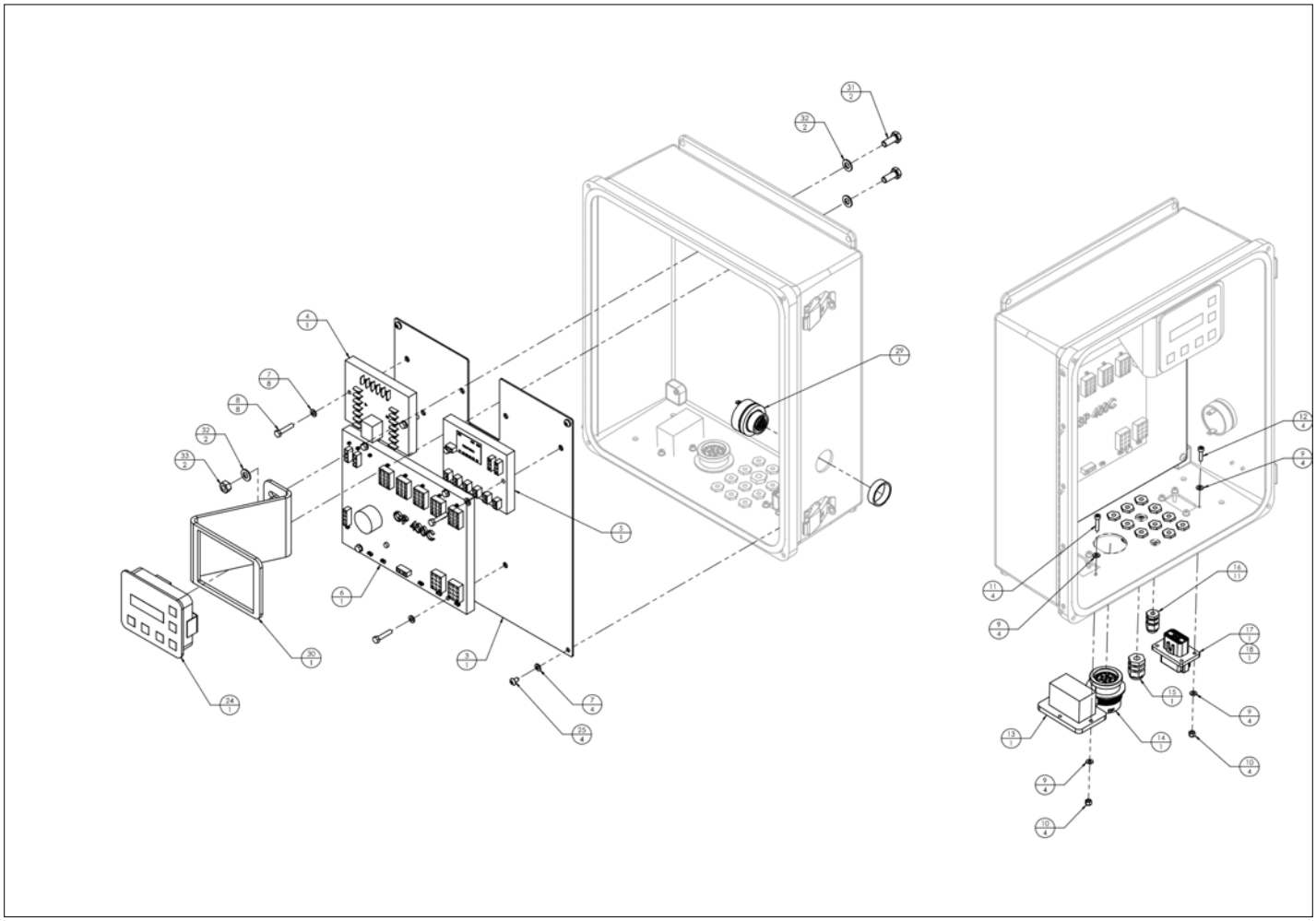
アイテム	部品番号	名前	数量	UOM
22	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	1	EA
23	1431983	WINDOW, CLEAR PLEXIGLASS	1	EA
24	3087803	EZCal Panel - Trionics	1	EA
25	5563760	SCS BUTN HD M5X0.8X8 ZN 10.9	4	EA
26	3020016	Switch, Toggle - Honeywell INTI-7	7	EA
27	3069524	LIGHT RED LED 12V	2	EA
28	3069544	LIGHT AMBER LED 12V .69DIA MTG	2	EA
29	3040411	Alarm Buzzer	1	EA
30	1434075	BRKT,MNT,LCD DISP,LWR CTRL BX	1	EA
31	058492-020	Bolt HexSetScrew DIN933 M8 x 2	2	EA
32	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	4	EA
33	056067-008	Nut, HexNut DIN934 M8 8.0 Zinc	2	EA
35	12556-009	RECEPTACLE 2 WIRE DT04-2P*****	3	EA
36	12556-016	WEDGELOCK FOR DT04-2P********	3	EA
37	12556-011	RECEPTACLE 4 WIRE DT04-4P	4	EA
38	12556-018	WEDGELOCK FOR DT04-4P********	4	EA
39	12554-024	DEUTSCH CONTACT PIN	A/R	EA
40	12554-009	RECEPTACLE 2 WIRE	1	EA
41	12554-016	WEDGELOCK FOR DTP04-2P	1	EA
42	12554-026	PIN SIZE-12 (12-14GA) DTP	2	EA
43	12557-011	DEUTSCH 4-PIN PLUG	1	EA
44	12557-018	DEUTSCH 4-PIN WEDGELOCK	1	EA
45	12555-031	DEUTSCH SOCKET #16	4	EA

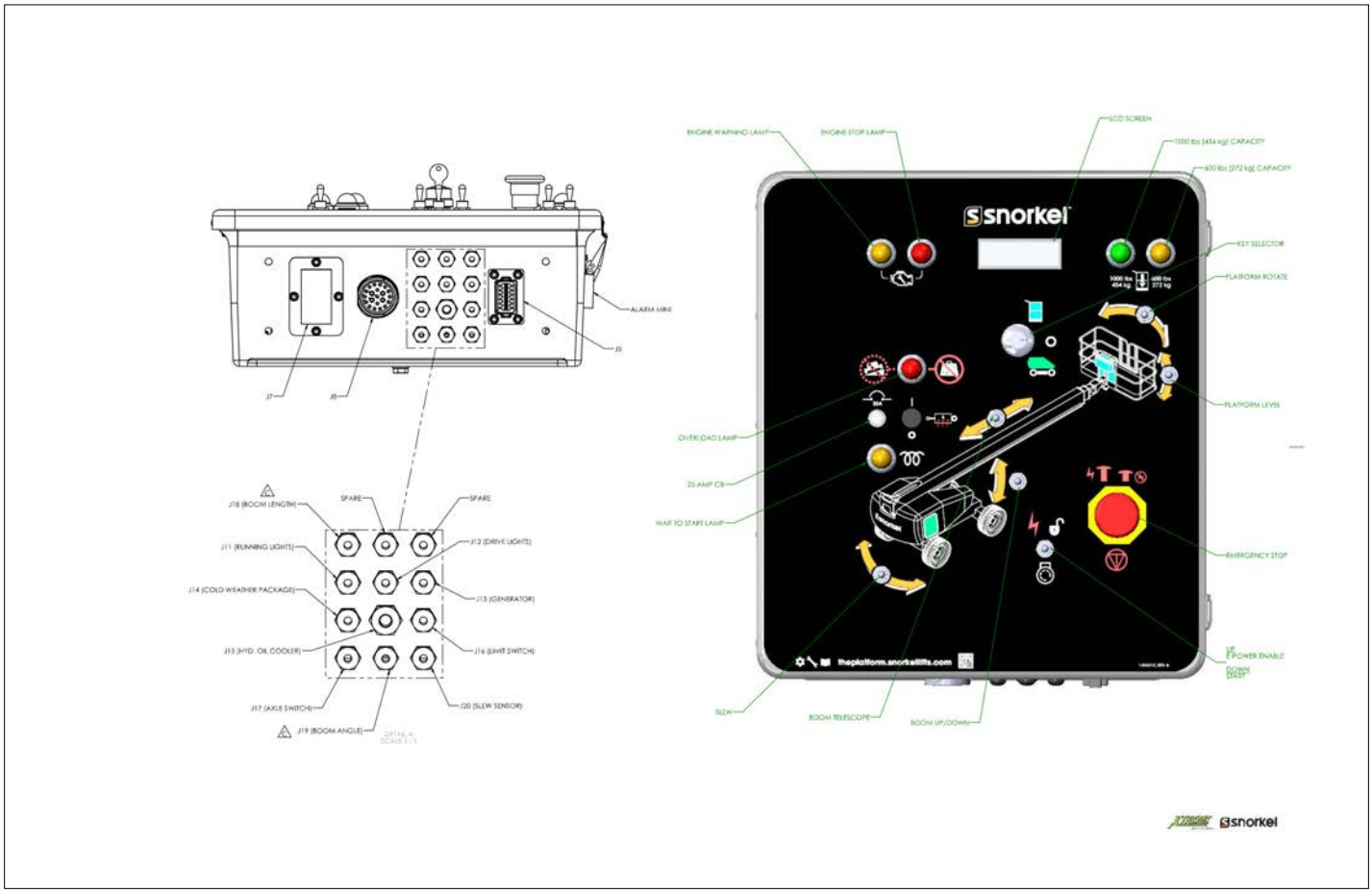
アイテム	部品番号	名前	数量	UOM
46	3220181	CONN AMP 2PIN P/N:1-480698-0	5	EA
47	3220199	CONNECTOR AMP 3 PIN	4	EA
48	3220163	CONNECTOR AMP 4 PIN 1-480702-0	2	EA
49	3220024	CONNECTOR AMP 12 PIN 1-480-708	2	EA
50	3220142	CONNECTOR AMP 15 PIN PLUG	5	EA
51	3014786	WIRE 10GA SINGLE COND BLACK	A/R	EA
52	3014785	WIRE 10GA SINGLE COND RED	A/R	EA
53	3011601	WIRE 16GA SINGLE CONDUCTOR BLK	A/R	EA
54	3011641	WIRE 16GA SINGLE CONDUCTOR WHT	A/R	EA
55	3049986	AMP SOCKET CONTACT	89	EA
56	12554-035	-PIN CNTCT,10AWG(#12)1060-12	3	EA

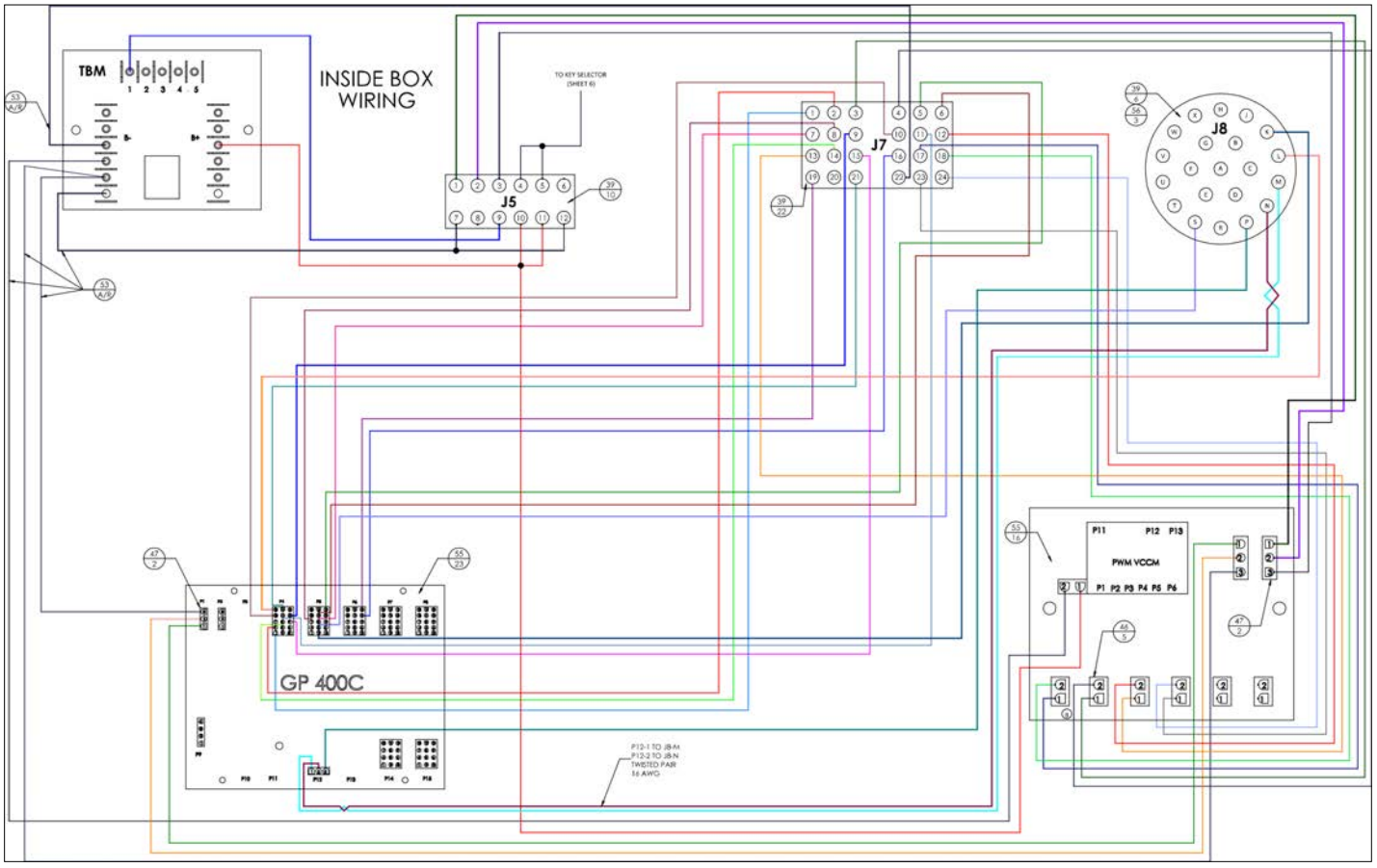
ELECTRICAL

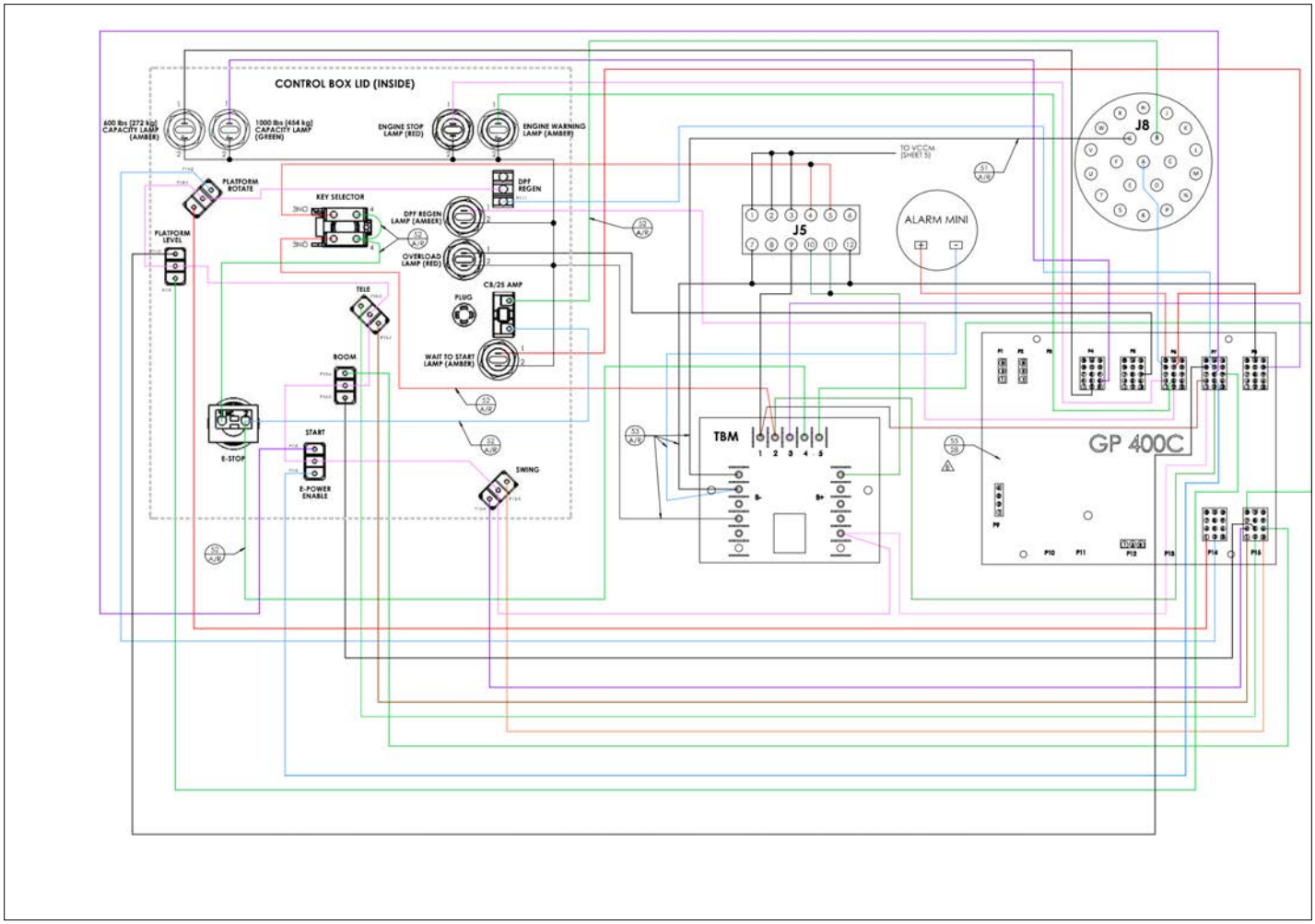

snorkel
ALL WIRES IN CONTROL BOX TO BE
WHITE 16 GA SINGLE CONDUCTOR
UNLESS OTHERWISE SPECIFIED.
(ITEM 54) P/N: 3011641

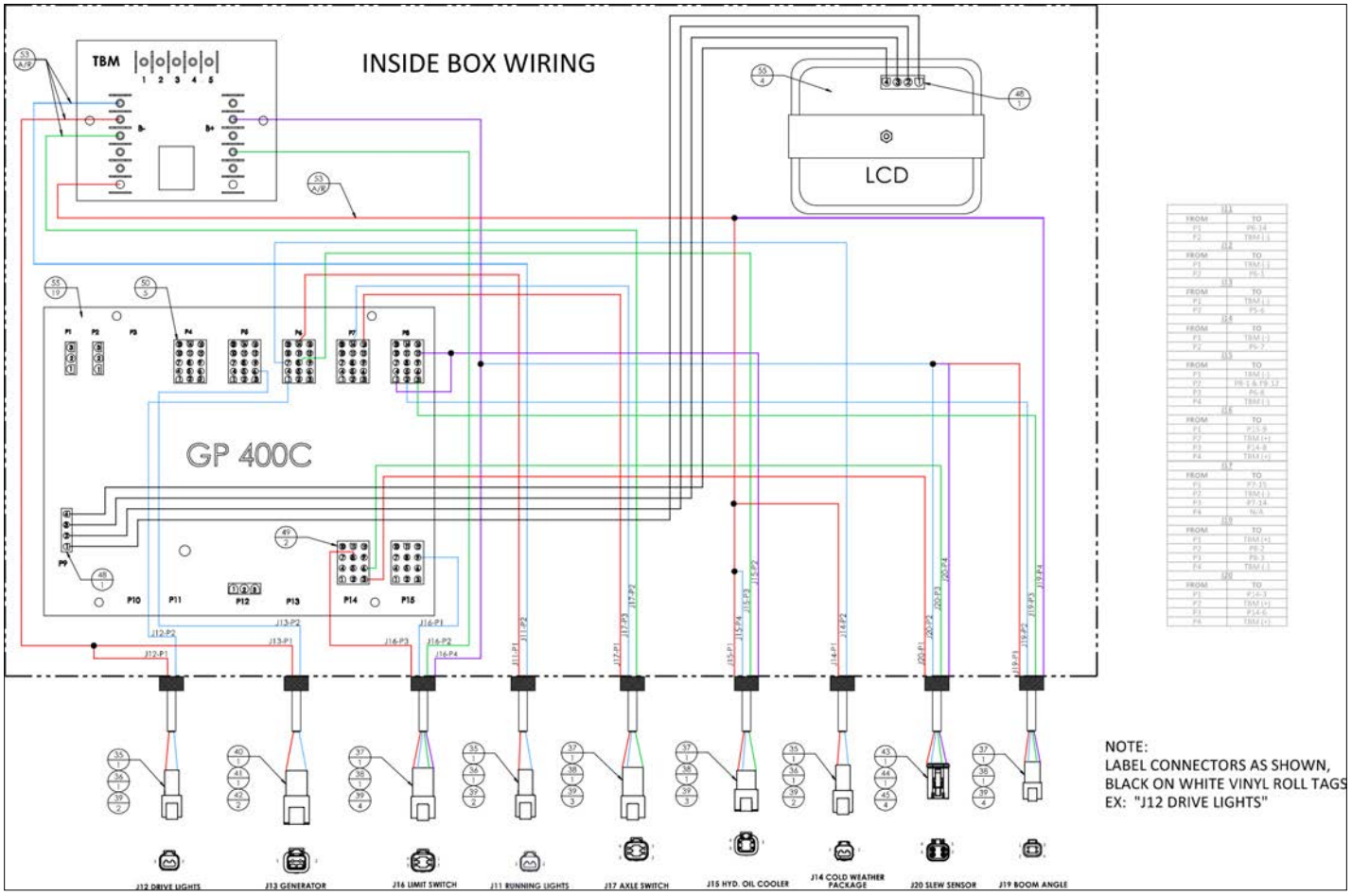

AMBER
RED
GREEN
AMBER
AMBER
RED
AMBER
MOUNT FROM REAR
(103.3 [4.07])
POSITION CENTERED ON CUTOUT AND APPLY USING SEAM SEAL SIKAFLEX OR EQUIVALENT
(35.2 [1.39])
45.0°
45.0°
45.0°
ALL COMPONENTS INSTALLED VERTICALLY ALIGNED UNLESS OTHERWISE SPECIFIED
REAR VIEW OF FRONT PANEL




ENGINE WARNING LAMP
ENGINE STOP LAMP
LCD SCREEN
1000 lbs (454 kg) CAPACITY
600 lbs (272 kg) CAPACITY
KEY SELECTOR
PLATFORM ROTATE
PLATFORM LEVEL
OVERLOAD LAMP
25 AMP CB
WAIT TO START LAMP
EMERGENCY STOP
UP POWER ENABLE
DOWN START
SLEW
BOOM TELESCOPE
BOOM UP/DOWN
snorkel
thepiatform.snorkelifts.com
ALARM MINI
J5
J7
J8
J18 (BOOM LENGTH)
SPARE
SPARE
J11 (RUNNING LIGHTS)
J12 (DRIVE LIGHTS)
J14 (COLD WEATHER PACKAGE)
J13 (GENERATOR)
J15 (HYD. OIL COOLER)
J16 (LIMIT SWITCH)
J17 (AXLE SWITCH)
J20 (SLEW SENSOR)
J19 (BOOM ANGLE)
DETAIL A
SCALE 1 : 1
snorkel


TBM
INSIDE BOX WIRING
J5
J7
J8
GP 400C
PWM VCCM


CONTROL BOX LID (INSIDE)
600 lbs (272 kg) CAPACITY LAMP (AMBER)
1000 lbs (454 kg) CAPACITY LAMP (GREEN)
ENGINE STOP LAMP (RED)
ENGINE WARNING LAMP (AMBER)
PLATFORM ROTATE
KEY SELECTOR
DPF REGEN
DPF REGEN LAMP (AMBER)
OVERLOAD LAMP (RED)
PLATFORM LEVEL
TELE
PLUG
C8/25 AMP
WAIT TO START LAMP (AMBER)
BOOM
E-STOP
START
E-POWER ENABLE
SWING
TO VCCM (SHEET 5)
J5
J8
ALARM MINI
TBM
GP 400C


INSIDE BOX WIRING
TBM
LCD
GP 400C
P10
P11
P12
P13
P14
P15
NOTE:
LABEL CONNECTORS AS SHOWN,
BLACK ON WHITE VINYL ROLL TAGS
EX: "J12 DRIVE LIGHTS"
J12 DRIVE LIGHTS
J13 GENERATOR
J16 LIMIT SWITCH
J11 RUNNING LIGHTS
J17 AXLE SWITCH
J15 HYD. OIL COOLER
J14 COLD WEATHER PACKAGE
J20 SLEW SENSOR
J19 BOOM ANGLE

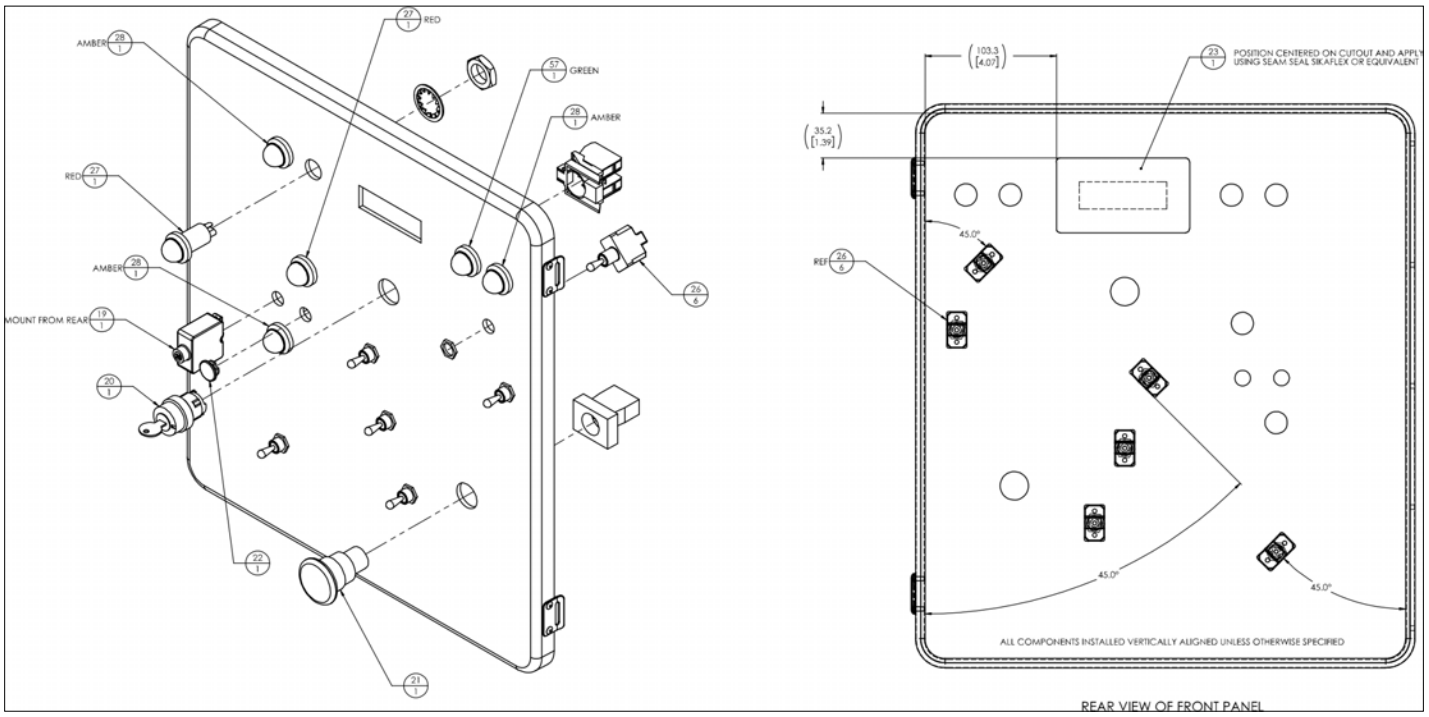
アイテム	部品番号	名前	数量	UOM
-	1434095 D	GROUND CONTROL BOX ASSEMBLY DEUTZ S5 400S 600SJ		EA
1	1434094	ENCL,LWR CTRL BOX,400/600 DEUT S5	1	EA
2	1434096	DECAL,LWR CTRL BX,400/600 DEUT S5	1	EA
3	1434077	WLDMT BACKING PLT LOWER CTRL BOX DEUTZ	1	EA
4	3030181	Trionics - TBM	1	EA
5	3030174	VALVE CURRENT CONTROL MODULE	1	EA
6	1433307	GP400C	1	EA
7	056069-005	Washer SteelFlatWasher DIN125A	12	EA
8	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	8	EA
9	056069-004	Wshr, SteelFlatWshr M4 DIN125	16	EA
10	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	8	EA
11	058500-020	Bolt, SktCapScrew DIN912 M4 x	4	EA
12	510563-016	Bolt, SktCapScrew DIN912 M4 x	4	EA
13	015790-011	DEUTSCH 24PIN CONN DRC 12-24PA	1	EA
14	100338-001	RECPT. DEUTSCH	1	EA
15	3220365	HEYCO CORD GRIP 3210	1	EA
16	3220366	HEYCO CORD GRIP 3207	11	EA
17	3049837	CONNECTOR 12-PIN BHD	1	EA
18	3049849	-LOCK WEDGE 12-PIN DEUTSCH REC	1	EA
19	3040069	CIRCUIT BREAKER 25AMP	1	EA
20	3028886	ASY KEY SW 3 POS CPTV2XNO	1	EA
*	09-1008	REPLACEMENT KEY	1	EA
21	3028810	PUSH/PULL EMERGENCY STOP	1	EA

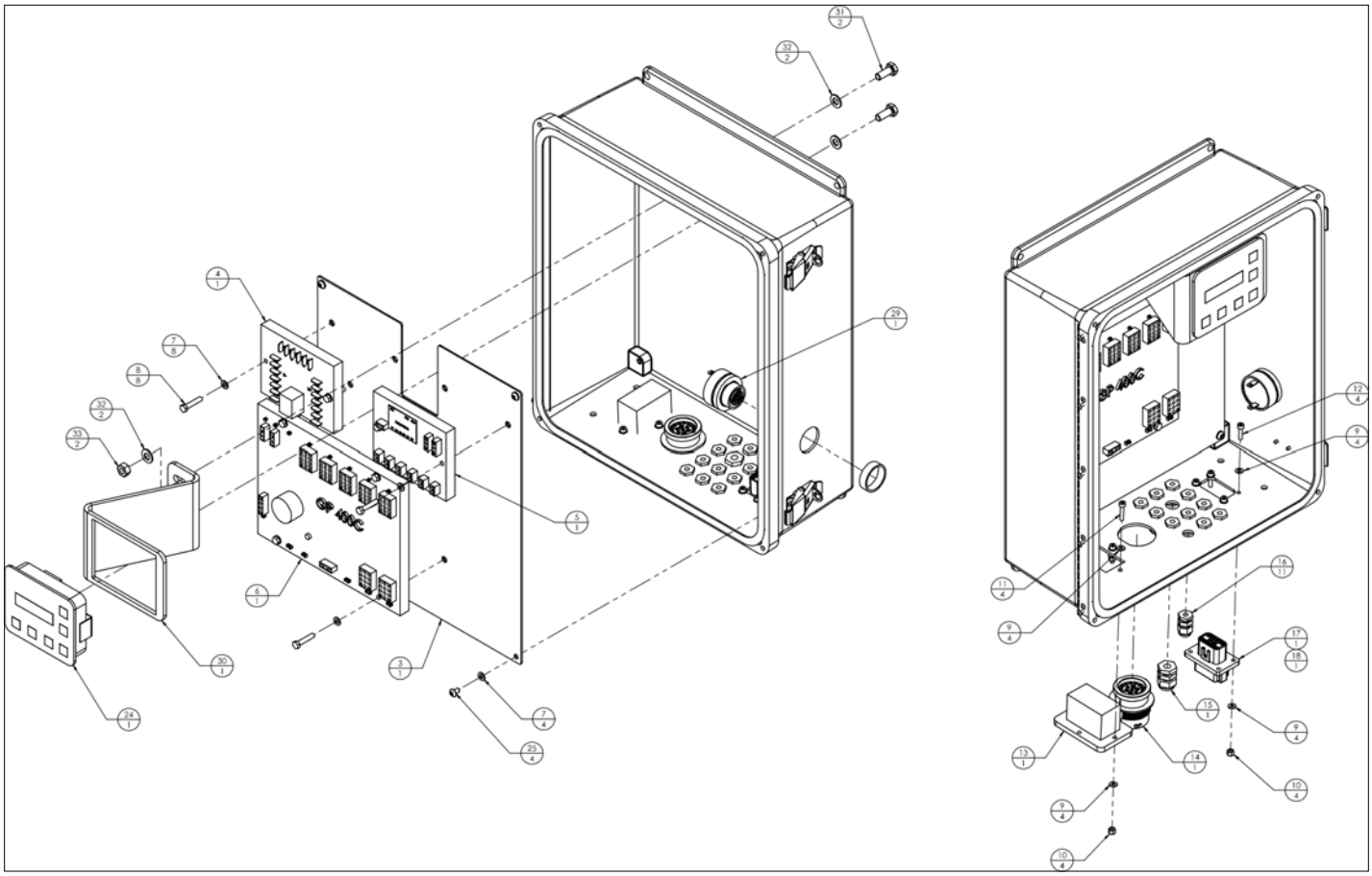
アイテム	部品番号	名前	数量	UOM
22	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	1	EA
23	1431983	WINDOW, CLEAR PLEXIGLASS	1	EA
24	3087803	EZCal Panel - Trionics	1	EA
25	5563760	SCS BUTN HD M5X0.8X8 ZN 10.9	4	EA
26	3020016	Switch, Toggle - Honeywell INTI-7	6	EA
27	3069524	LIGHT RED LED 12V	2	EA
28	3069544	LIGHT AMBER LED 12V .69DIA MTG	4	EA
29	3040411	Alarm Buzzer	1	EA
30	1434075	BRKT,MNT,LCD DISP,LWR CTRL BX	1	EA
31	058492-020	Bolt HexSetScrew DIN933 M8 x 2	2	EA
32	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	4	EA
33	056067-008	Nut, HexNut DIN934 M8 8.0 Zinc	2	EA
34	3020015	Switch, Toggle - Honeywell INTI-6	1	EA
35	12556-009	RECEPTACLE 2 WIRE DT04-2P*****	3	EA
36	12556-016	WEDGELOCK FOR DT04-2P********	3	EA
37	12556-011	RECEPTACLE 4 WIRE DT04-4P	4	EA
38	12556-018	WEDGELOCK FOR DT04-4P********	4	EA
39	12554-024	DEUTSCH CONTACT PIN	58	EA
40	12554-009	RECEPTACLE 2 WIRE	1	EA
41	12554-016	WEDGELOCK FOR DTP04-2P	1	EA
42	12554-026	PIN SIZE-12 (12-14GA) DTP	2	EA
43	12557-011	DEUTSCH 4-PIN PLUG	1	EA
44	12557-018	DEUTSCH 4-PIN WEDGELOCK	1	EA

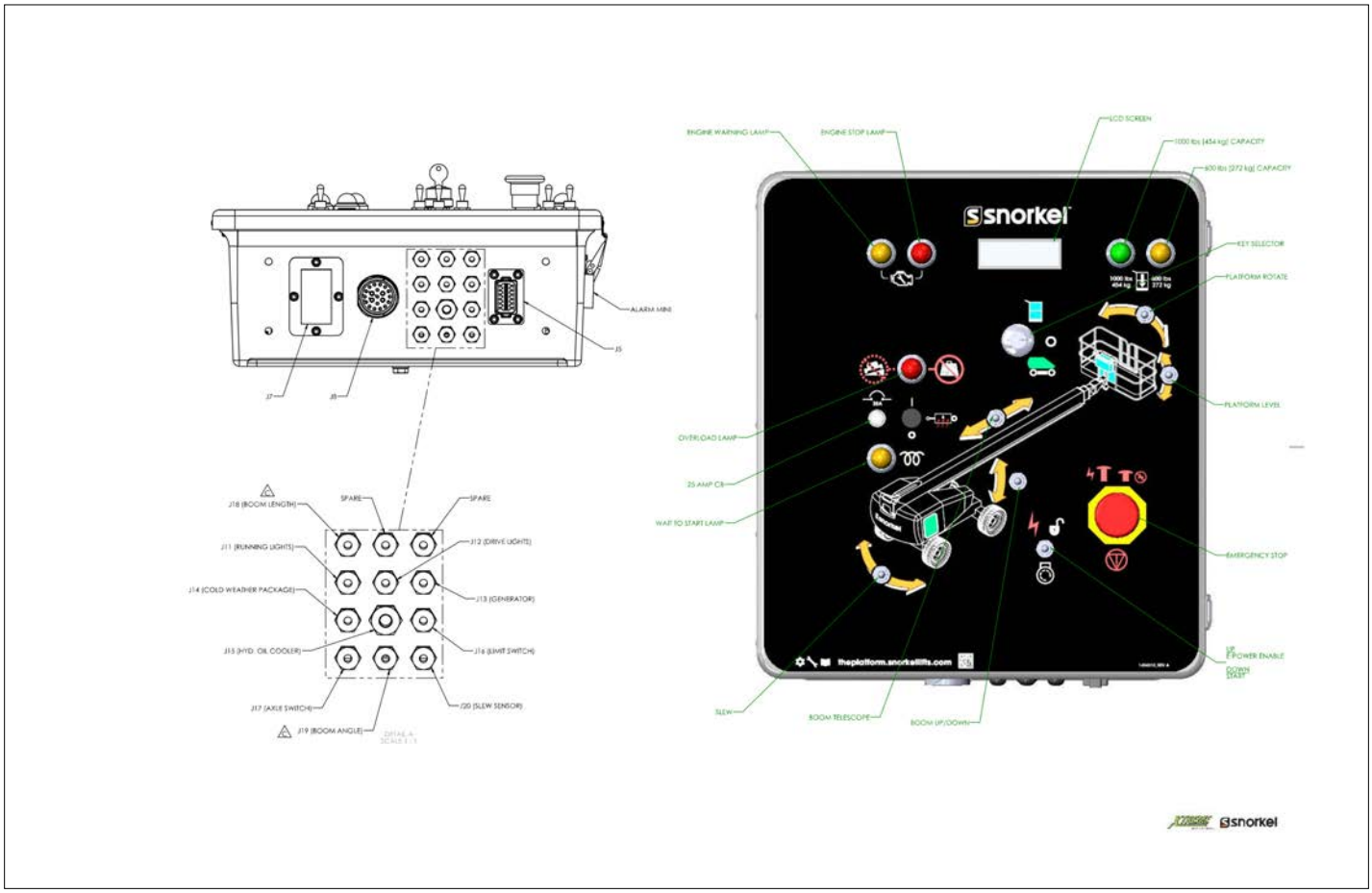
アイテム	部品番号	名前	数量	UOM
45	12555-031	DEUTSCH SOCKET #16	4	EA
46	3220181	CONN AMP 2PIN P/N:1-480698-0	5	EA
47	3220199	CONNECTOR AMP 3 PIN	4	EA
48	3220163	CONNECTOR AMP 4 PIN 1-480702-0	2	EA
49	3220024	CONNECTOR AMP 12 PIN 1-480-708	2	EA
50	3220142	CONNECTOR AMP 15 PIN PLUG	2	EA
51	3014786	WIRE 10GA SINGLE COND BLACK	A/R	EA
52	3014785	WIRE 10GA SINGLE COND RED	A/R	EA
53	3011601	WIRE 16GA SINGLE CONDUCTOR BLK	A/R	EA
54	3011641	WIRE 16GA SINGLE CONDUCTOR WHT	A/R	EA
55	3049986	AMP SOCKET CONTACT	90	EA
56	12554-035	-PIN CNTCT,10AWG(#12)1060-12	3	EA
57	3069548	LIGHT, GREEN LED 12V 11/16	1	EA

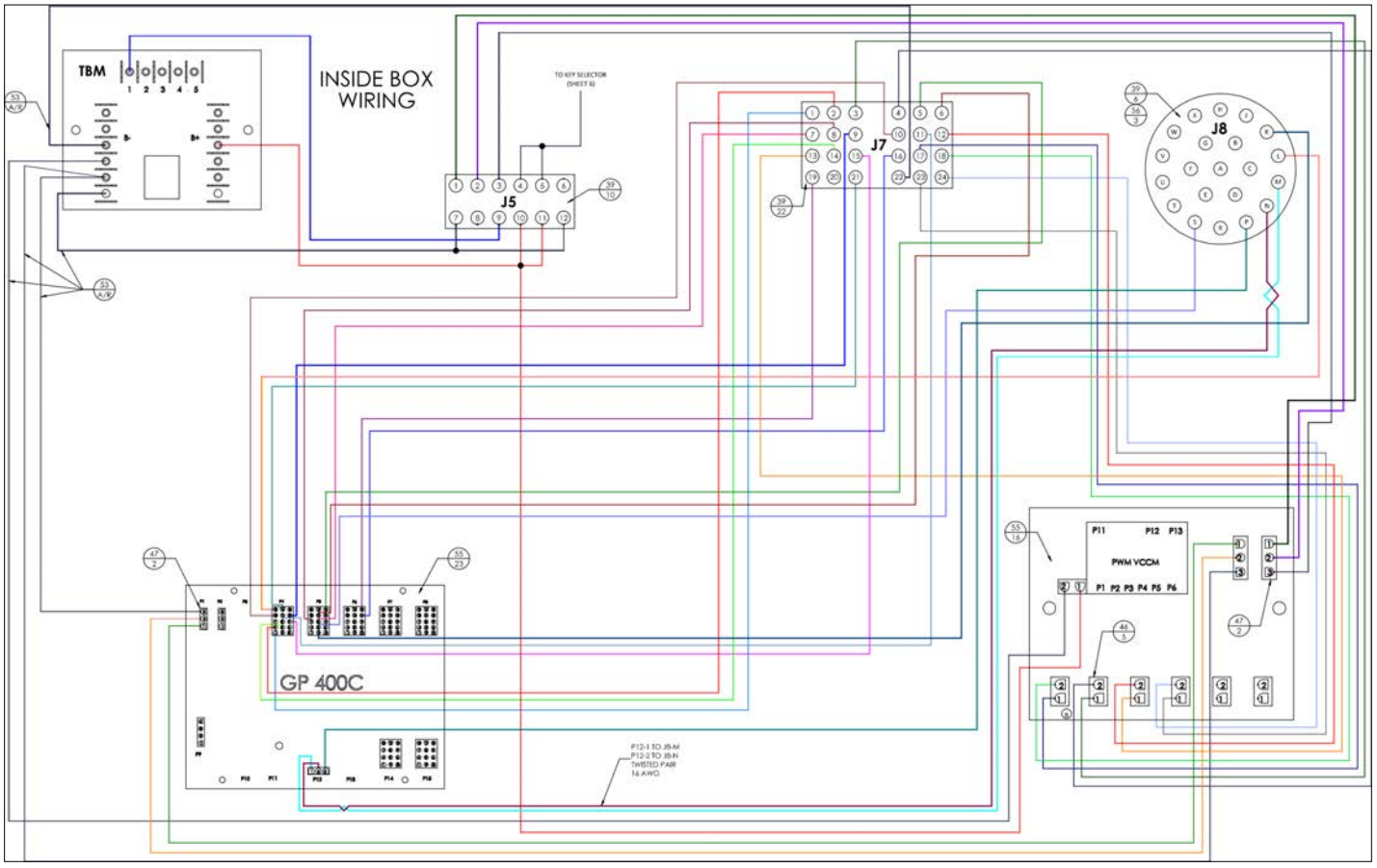
ELECTRICAL

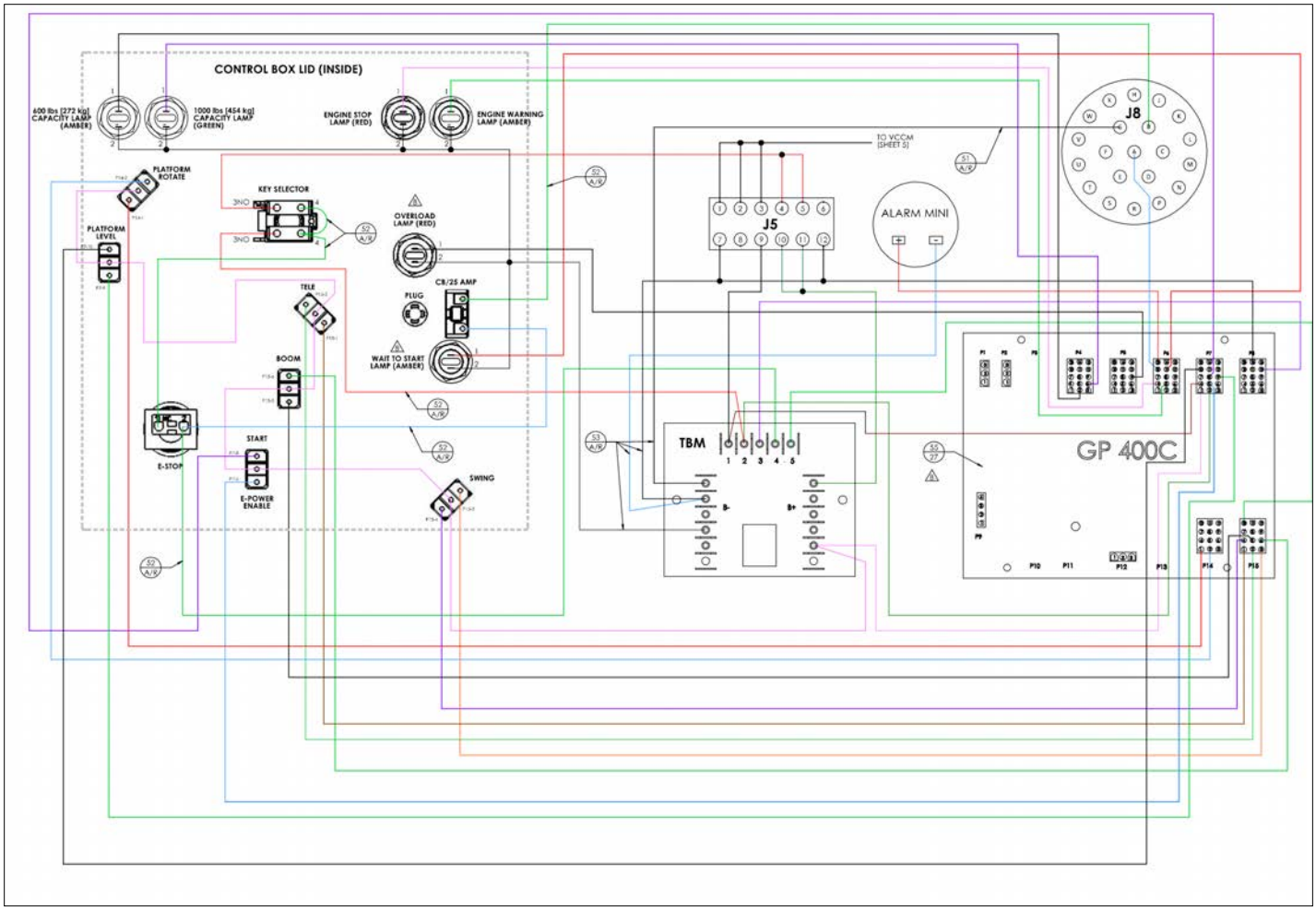

snorkel
1000 lbs 454 kg
600 lbs 272 kg
theplatform.snorkellifts.com
ALL WIRES IN CONTROL BOX TO BE WHITE 16 GA SINGLE CONDUCTOR UNLESS OTHERWISE SPECIFIED.
(ITEM 54) P/N: 3011641

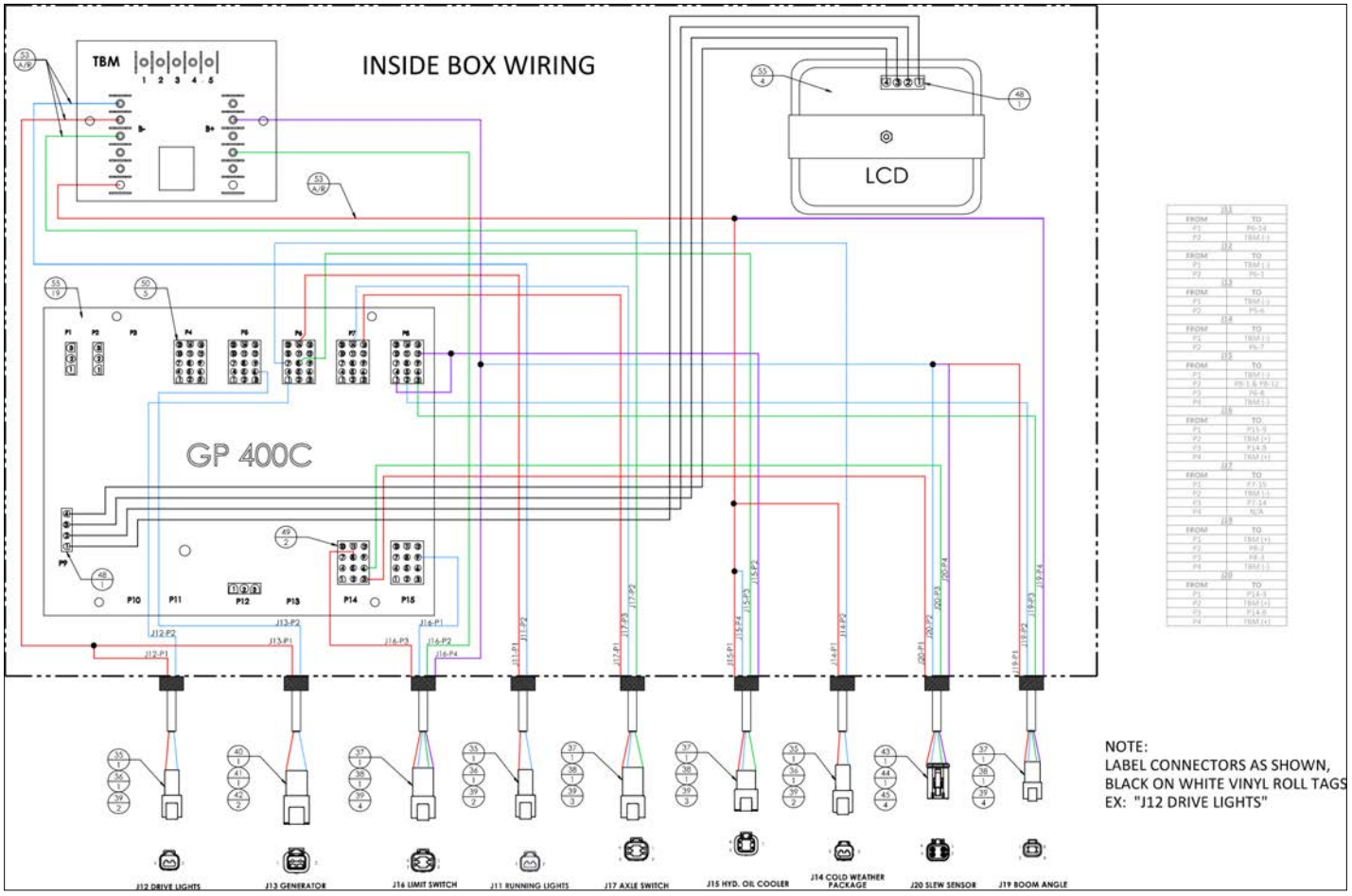

AMBER 28 1
27 1 RED
57 1 GREEN
28 1 AMBER
RED 27 1
AMBER 28 1
MOUNT FROM REAR 19 1
20 1
22 1
21 1
25 6
(103.3 [4.07])
23 1 POSITION CENTERED ON CUTOUT AND APPLY USING SEAM SEAL SIKAFLEX OR EQUIVALENT
(35.2 [1.39])
45.0°
REF 26 6
45.0°
45.0°
ALL COMPONENTS INSTALLED VERTICALLY ALIGNED UNLESS OTHERWISE SPECIFIED
REAR VIEW OF FRONT PANEL




ENGINE WARNING LAMP
ENGINE STOP LAMP
LCD SCREEN
1000 lbs (454 kg) CAPACITY
600 lbs (272 kg) CAPACITY
KEY SELECTOR
PLATFORM ROTATE
PLATFORM LEVEL
OVERLOAD LAMP
25 AMP CB
WAIT TO START LAMP
EMERGENCY STOP
UP POWER ENABLE
DOWN START
SLEW
BOOM TELESCOPE
BOOM UP/DOWN
snorkel
thepiatform.snorkelifts.com
ALARM MINI
J5
J7
J8
J18 (BOOM LENGTH)
SPARE
SPARE
J11 (RUNNING LIGHTS)
J12 (DRIVE LIGHTS)
J14 (COLD WEATHER PACKAGE)
J13 (GENERATOR)
J15 (HYD. OIL COOLER)
J16 (LIMIT SWITCH)
J17 (AXLE SWITCH)
J20 (SLEW SENSOR)
J19 (BOOM ANGLE)
DETAIL A
SCALE 1 : 1


TBM
1 2 3 4 5
INSIDE BOX
WIRING
TO KEY SELECTOR
(SHEET 6)
J5
J7
J8
GP 400C
P11 P12 P13
PWM VCCM
P1 P2 P3 P4 P5 P6
P12-1 TO J8-M
P12-2 TO J8-N
TWISTED PAIR
16 AWG


CONTROL BOX LID (INSIDE)
600 lbs (272 kg) CAPACITY LAMP (AMBER)
1000 lbs (454 kg) CAPACITY LAMP (GREEN)
ENGINE STOP LAMP (RED)
ENGINE WARNING LAMP (AMBER)
PLATFORM ROTATE
KEY SELECTOR
3NO
PLATFORM LEVEL
OVERLOAD LAMP (RED)
CB/25 AMP
PLUG
TELE
BOOM
WAIT TO START LAMP (AMBER)
E-STOP
START
E-POWER ENABLE
SWING
TO VCCM (SHEET 5)
J5
J8
ALARM MINI
TBM
GP 400C


INSIDE BOX WIRING
TBM
LCD
GP 400C
NOTE:
LABEL CONNECTORS AS SHOWN,
BLACK ON WHITE VINYL ROLL TAGS
EX: "J12 DRIVE LIGHTS"
J12 DRIVE LIGHTS
J13 GENERATOR
J16 LIMIT SWITCH
J11 RUNNING LIGHTS
J17 AXLE SWITCH
J15 HYD. OIL COOLER
J14 COLD WEATHER PACKAGE
J20 SLEW SENSOR
J19 BOOM ANGLE

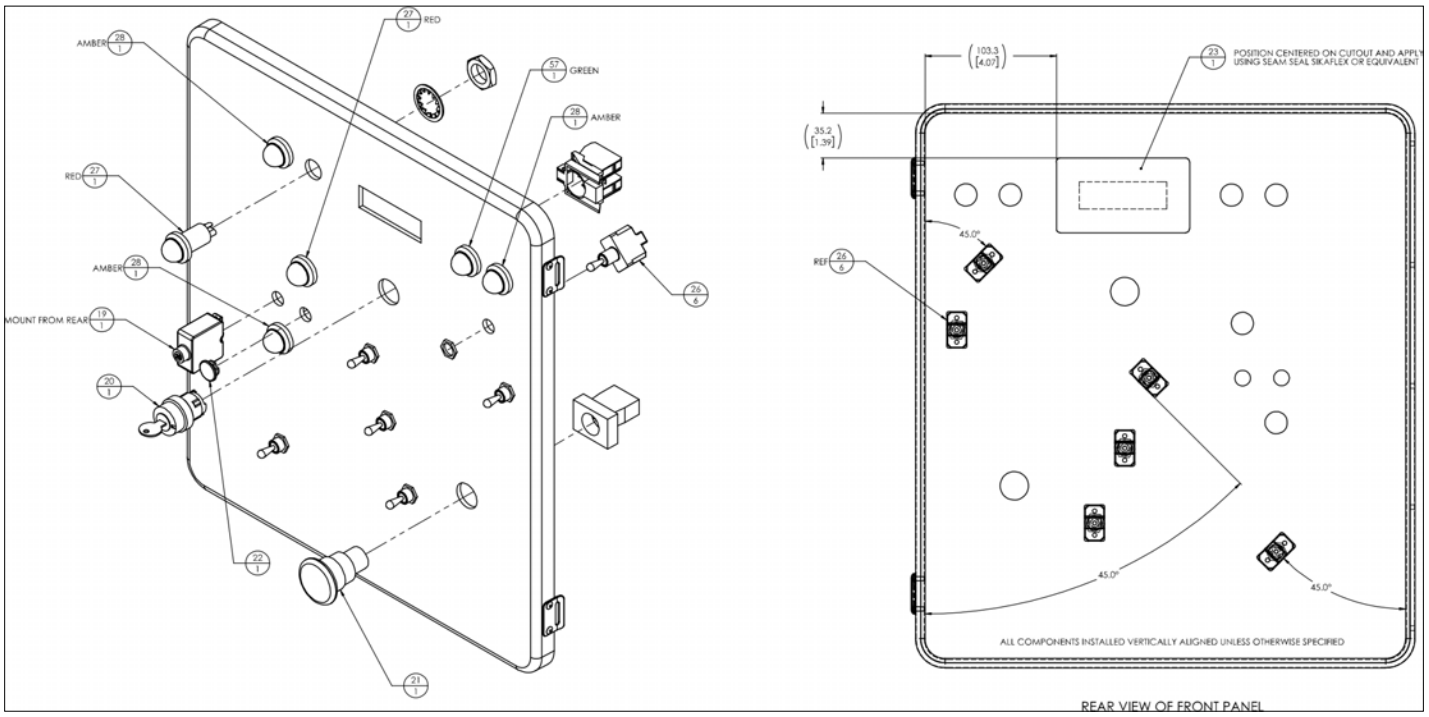
アイテム	部品番号	名前	数量	UOM
-	1434127 D	LOWER CONTROL BOX ASSEMBLY DEUTZ TIER 4 400S 600S JANUARY 2020 AND BEFORE		EA
1	1434313	ENCLOSED LOWER CONTROL BOX 400/600 DEUTZ T4F	1	EA
2	1434310	DECAL LOWER CONTROL BOX 400/600 DEUTZ T4F	1	EA
3	1434077	WLDMT BACKING PLT LOWER CTRL BOX DEUTZ	1	EA
4	3030181	Trionics - TBM	1	EA
5	3030174	VALVE CURRENT CONTROL MODULE	1	EA
6	1433307	GP400C	1	EA
7	056069-005	Washer SteelFlatWasher DIN125A	12	EA
8	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	8	EA
9	056069-004	Wshr, SteelFlatWshr M4 DIN125	16	EA
10	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	8	EA
11	058500-020	Bolt, SktCapScrew DIN912 M4 x	4	EA
12	510563-016	Bolt, SktCapScrew DIN912 M4 x	4	EA
13	015790-011	DEUTSCH 24PIN CONN DRC 12-24PA	1	EA
14	100338-001	RECPT. DEUTSCH	1	EA
15	3220365	HEYCO CORD GRIP 3210	1	EA
16	3220366	HEYCO CORD GRIP 3207	11	EA
17	3049837	CONNECTOR 12-PIN BHD	1	EA
18	3049849	-LOCK WEDGE 12-PIN DEUTSCH REC	1	EA
19	3040069	CIRCUIT BREAKER 25AMP	1	EA
20	3028886	ASY KEY SW 3 POS CPTV2XNO	1	EA
*	09-1008	REPLACEMENT KEY	1	EA
21	3028810	PUSH/PULL EMERGENCY STOP	1	EA

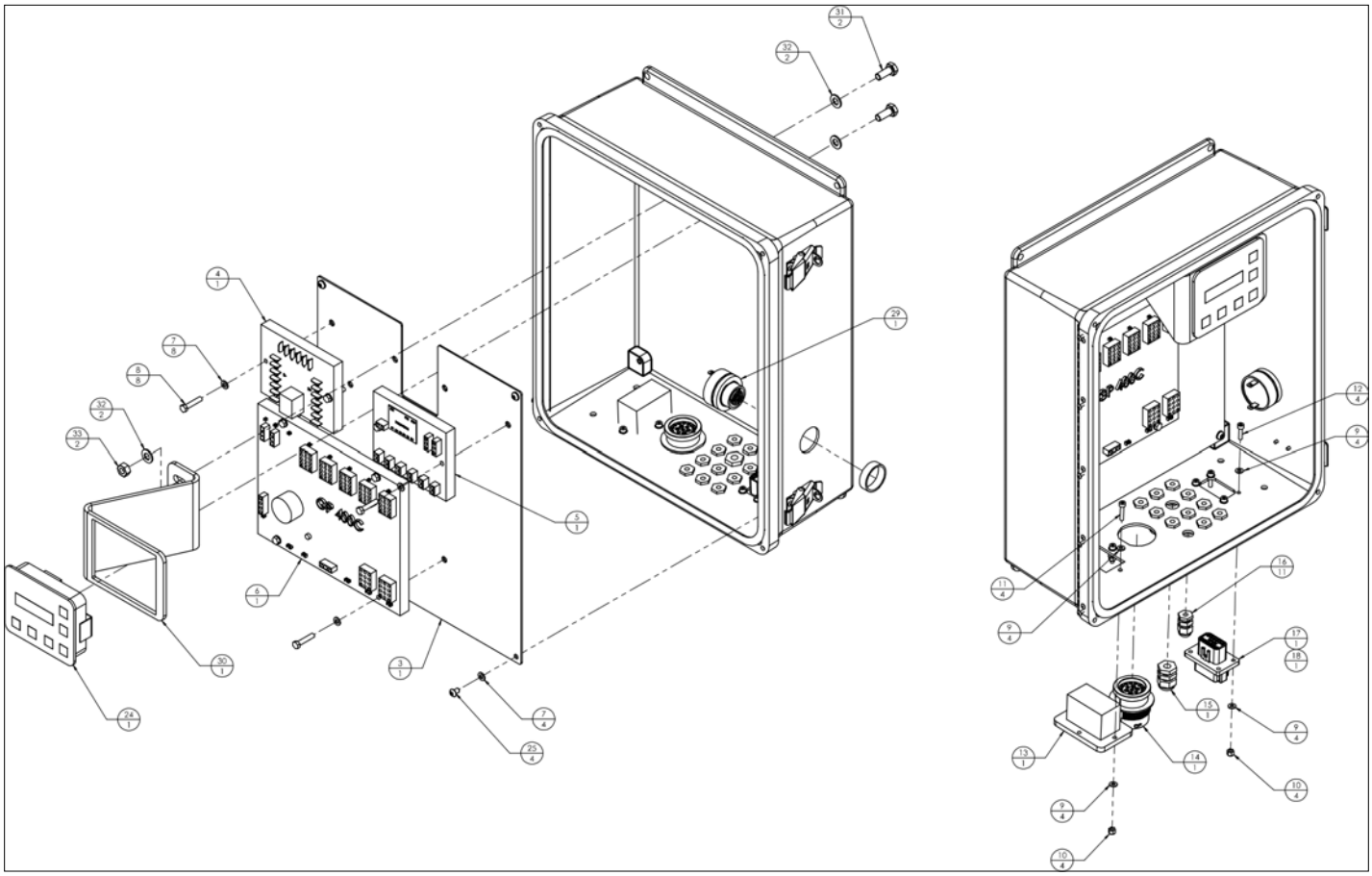
アイテム	部品番号	名前	数量	UOM
22	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	1	EA
23	1431983	WINDOW, CLEAR PLEXIGLASS	1	EA
24	3087803	EZCal Panel - Trionics	1	EA
25	5563760	SCS BUTN HD M5X0.8X8 ZN 10.9	4	EA
26	3020016	Switch, Toggle - Honeywell INTI-7	6	EA
27	3069524	LIGHT RED LED 12V	2	EA
28	3069544	LIGHT AMBER LED 12V .69DIA MTG	3	EA
29	3040411	Alarm Buzzer	1	EA
30	1434075	BRKT,MNT,LCD DISP,LWR CTRL BX	1	EA
31	058492-020	Bolt HexSetScrew DIN933 M8 x 2	2	EA
32	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	4	EA
33	056067-008	Nut, HexNut DIN934 M8 8.0 Zinc	2	EA
35	12556-009	RECEPTACLE 2 WIRE DT04-2P*****	3	EA
36	12556-016	WEDGELOCK FOR DT04-2P********	3	EA
37	12556-011	RECEPTACLE 4 WIRE DT04-4P	4	EA
38	12556-016	WEDGELOCK FOR DT04-2P********	4	EA
39	12554-024	DEUTSCH CONTACT PIN	64	EA
40	12554-009	RECEPTACLE 2 WIRE	1	EA
41	12554-016	WEDGELOCK FOR DTP04-2P	1	EA
42	12554-026	PIN SIZE-12 (12-14GA) DTP	2	EA
43	12557-011	DEUTSCH 4-PIN PLUG	2	EA
44	12557-018	DEUTSCH 4-PIN WEDGELOCK	2	EA
45	12555-031	DEUTSCH SOCKET #16	8	EA

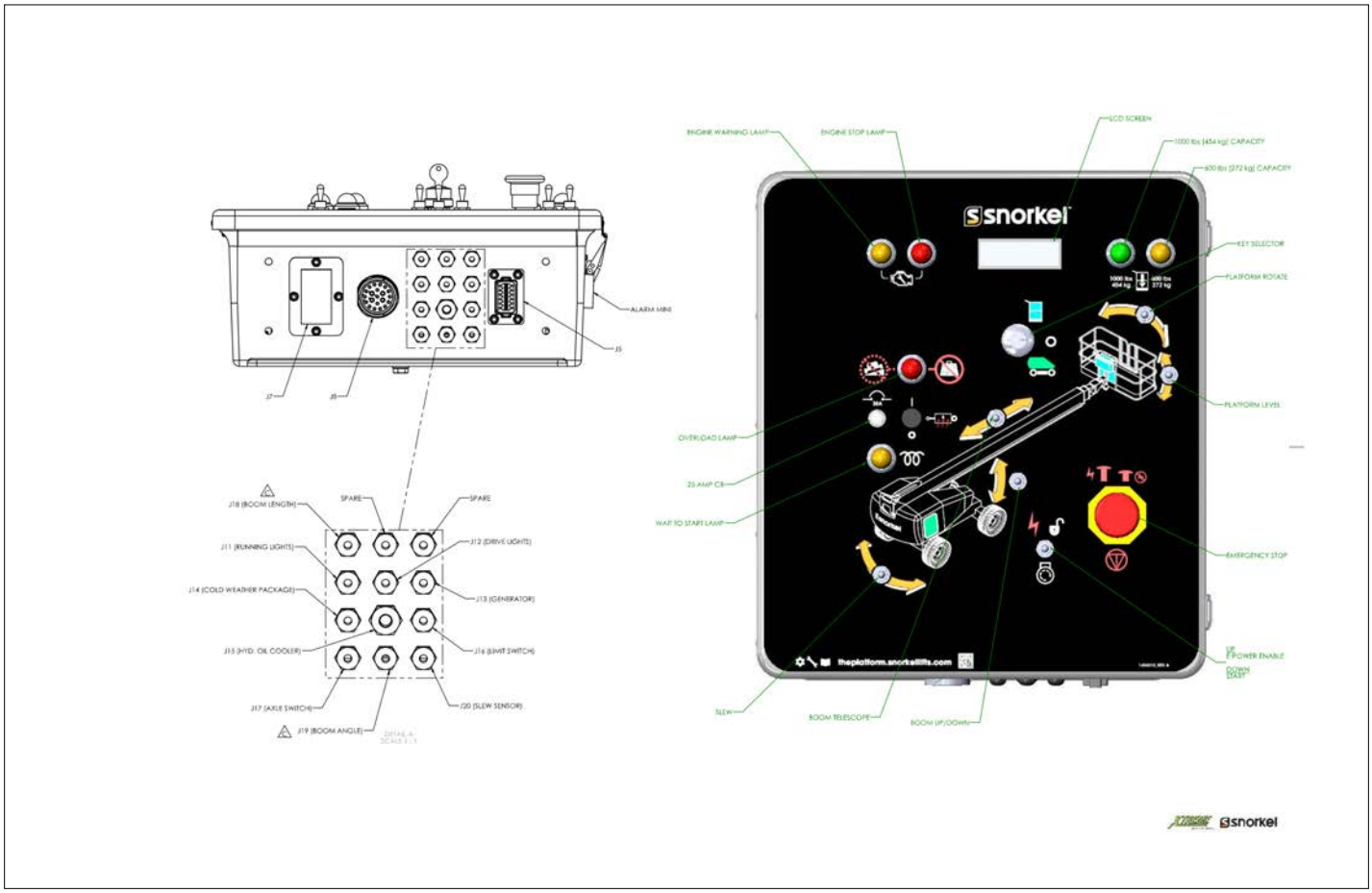
アイテム	部品番号	名前	数量	UOM
46	3220181	CONN AMP 2PIN P/N:1-480698-0	5	EA
47	3220199	CONNECTOR AMP 3 PIN	4	EA
48	3220163	CONNECTOR AMP 4 PIN 1-480702-0	2	EA
49	3220024	CONNECTOR AMP 12 PIN 1-480-708	2	EA
50	3220142	CONNECTOR AMP 15 PIN PLUG	5	EA
51	3014786	WIRE 10GA SINGLE COND BLACK	A/R	EA
52	3014785	WIRE 10GA SINGLE COND RED	A/R	EA
53	3011601	WIRE 16GA SINGLE CONDUCTOR BLK	A/R	EA
Not Shown	3011641	WIRE 16GA SINGLE CONDUCTOR WHT	A/R	EA
55	3049986	AMP SOCKET CONTACT	96	EA
56	12554-035	-PIN CNTCT,10AWG(#12)1060-12	3	EA
57	3069548	LIGHT, GREEN LED 12V 11/16	1	EA

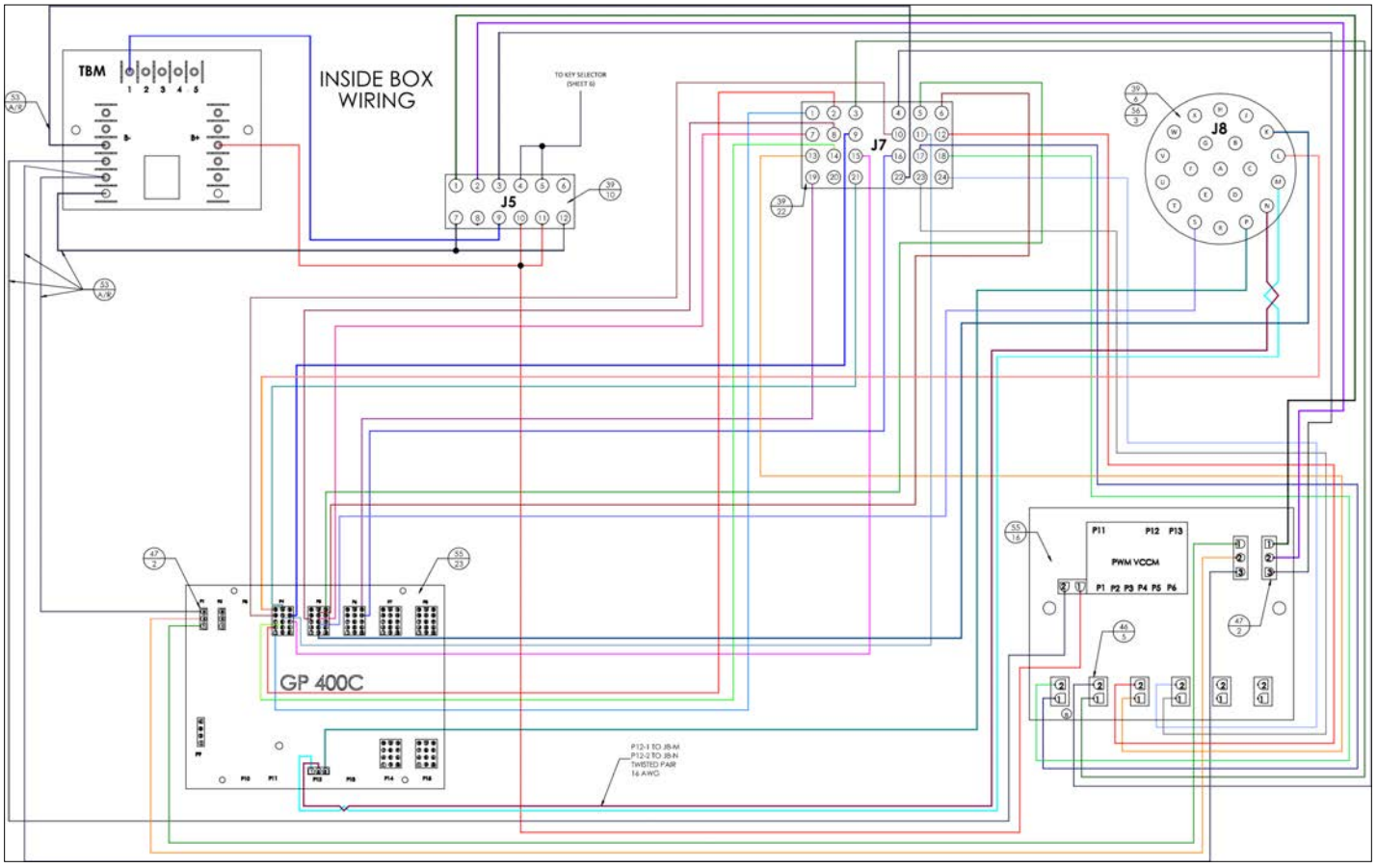
ELECTRICAL

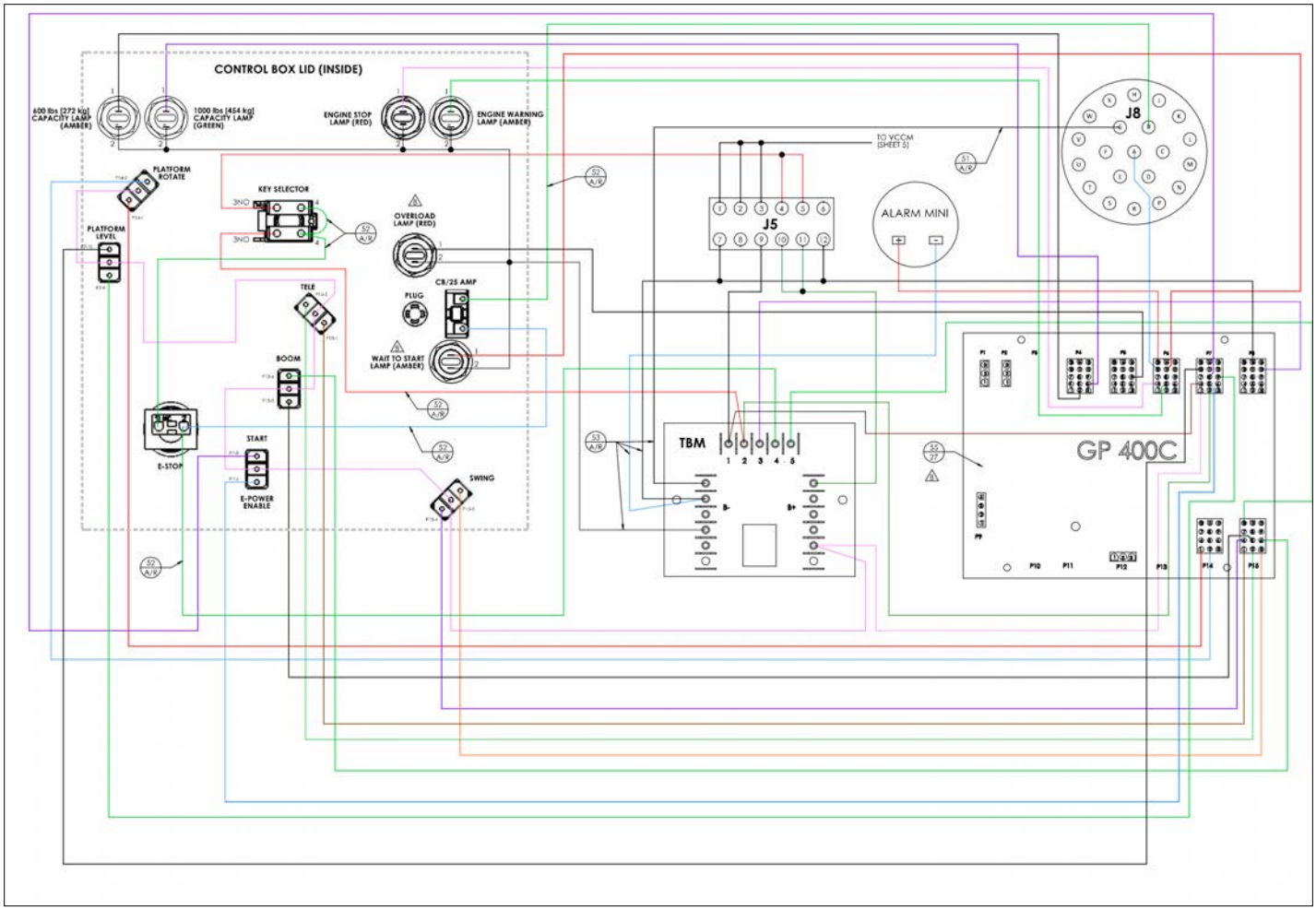

snorkel
1000 lbs 454 kg
600 lbs 272 kg
theplatform.snorkellifts.com
ALL WIRES IN CONTROL BOX TO BE WHITE 16 GA SINGLE CONDUCTOR UNLESS OTHERWISE SPECIFIED.
(ITEM 54) P/N: 3011641

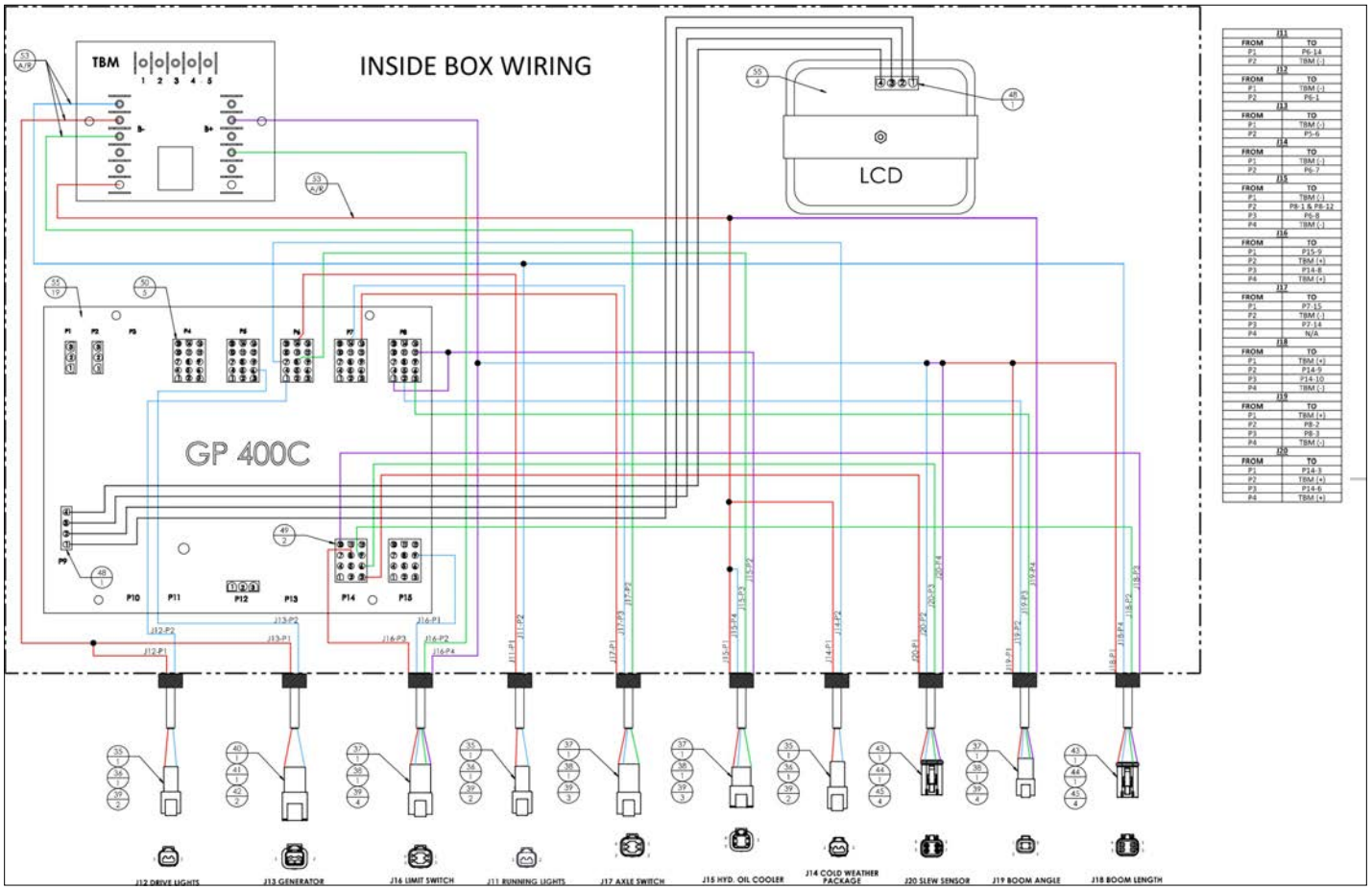

AMBER
RED
AMBER
MOUNT FROM REAR
RED
GREEN
AMBER
ALL COMPONENTS INSTALLED VERTICALLY ALIGNED UNLESS OTHERWISE SPECIFIED
REAR VIEW OF FRONT PANEL




ENGINE WARNING LAMP
ENGINE STOP LAMP
LCD SCREEN
1000 lbs (454 kg) CAPACITY
600 lbs (272 kg) CAPACITY
KEY SELECTOR
PLATFORM ROTATE
PLATFORM LEVEL
OVERLOAD LAMP
25 AMP CB
WAIT TO START LAMP
EMERGENCY STOP
UP POWER ENABLE
DOWN START
SLEW
BOOM TELESCOPE
BOOM UP/DOWN
snorkel
thepiatform.snorkelifts.com
ALARM MINI
J5
J7
J8
J18 (BOOM LENGTH)
SPARE
SPARE
J11 (RUNNING LIGHTS)
J12 (DRIVE LIGHTS)
J14 (COLD WEATHER PACKAGE)
J13 (GENERATOR)
J15 (HYD. OIL COOLER)
J16 (LIMIT SWITCH)
J17 (AXLE SWITCH)
J20 (SLEW SENSOR)
J19 (BOOM ANGLE)
DETAIL A
SCALE 1 : 1
snorkel


TBM
1 2 3 4 5
INSIDE BOX
WIRING
J5
J7
J8
GP 400C
P11 P12 P13
PWM VCCM
P1 P2 P3 P4 P5 P6


CONTROL BOX LID (INSIDE)
600 lbs [272 kg] CAPACITY LAMP (AMBER)
1000 lbs [454 kg] CAPACITY LAMP (GREEN)
ENGINE STOP LAMP (RED)
ENGINE WARNING LAMP (AMBER)
PLATFORM ROTATE
KEY SELECTOR
3NO
PLATFORM LEVEL
OVERLOAD LAMP (RED)
CB/25 AMP
PLUG
TELE
BOOM
WAIT TO START LAMP (AMBER)
E-STOP
START
E-POWER ENABLE
SWING
TO VCCM (SHEET 5)
J5
J8
ALARM MINI
TBM
GP 400C


INSIDE BOX WIRING
TBM
LCD
GP 400C
J12 DRIVE LIGHTS
J13 GENERATOR
J16 LIMIT SWITCH
J11 RUNNING LIGHTS
J17 AXLE SWITCH
J15 HYD. OIL COOLER
J14 COLD WEATHER PACKAGE
J20 SLEW SENSOR
J19 BOOM ANGLE
J18 BOOM LENGTH

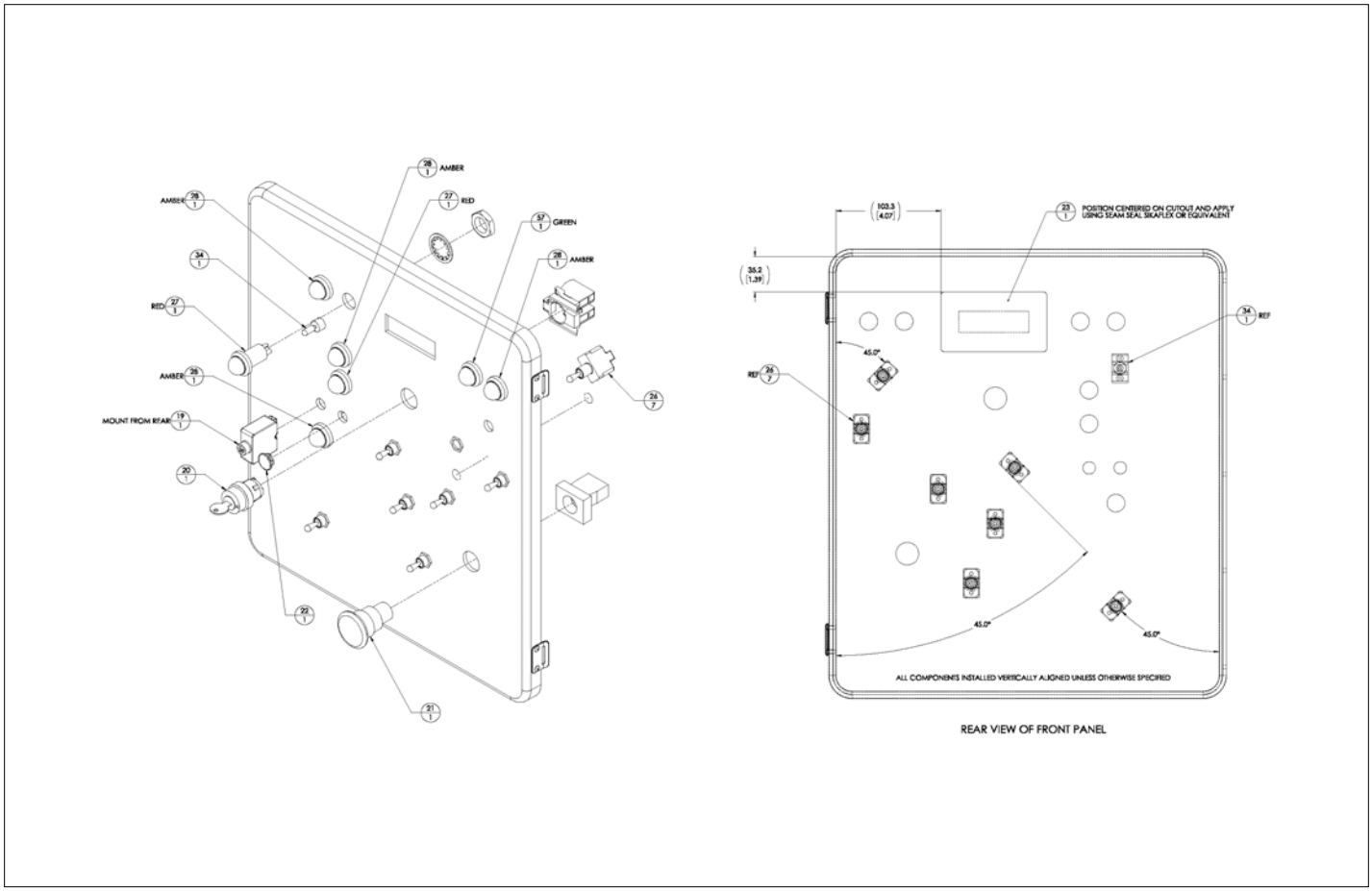
アイテム	部品番号	名前	数量	UOM
-	1434127 E	LOWER CONTROL BOX ASSEMBLY DEUTZ TIER 4 400S 600S FEBURARY 2020 AND AFTER		EA
1	1434313	ENCLOSED LOWER CONTROL BOX 400/600 DEUTZ T4F	1	EA
2	1434310	DECAL LOWER CONTROL BOX 400/600 DEUTZ T4F	1	EA
3	1434077	WLDMT BACKING PLT LOWER CTRL BOX DEUTZ	1	EA
4	3030181	Trionics - TBM	1	EA
5	3030174	VALVE CURRENT CONTROL MODULE	1	EA
6	1433307	GP400C	1	EA
7	056069-005	Washer SteelFlatWasher DIN125A	12	EA
8	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	8	EA
9	056069-004	Wshr, SteelFlatWshr M4 DIN125	16	EA
10	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	8	EA
11	058500-020	Bolt, SktCapScrew DIN912 M4 x	4	EA
12	510563-016	Bolt, SktCapScrew DIN912 M4 x	4	EA
13	015790-011	DEUTSCH 24PIN CONN DRC 12-24PA	1	EA
14	100338-001	RECPT. DEUTSCH	1	EA
15	3220365	HEYCO CORD GRIP 3210	1	EA
16	3220366	HEYCO CORD GRIP 3207	11	EA
17	3049837	CONNECTOR 12-PIN BHD	1	EA
18	3049849	-LOCK WEDGE 12-PIN DEUTSCH REC	1	EA
19	3040069	CIRCUIT BREAKER 25AMP	1	EA
20	3028886	ASY KEY SW 3 POS CPTV2XNO	1	EA
*	09-1008	REPLACEMENT KEY	1	EA
21	3028810	PUSH/PULL EMERGENCY STOP	1	EA

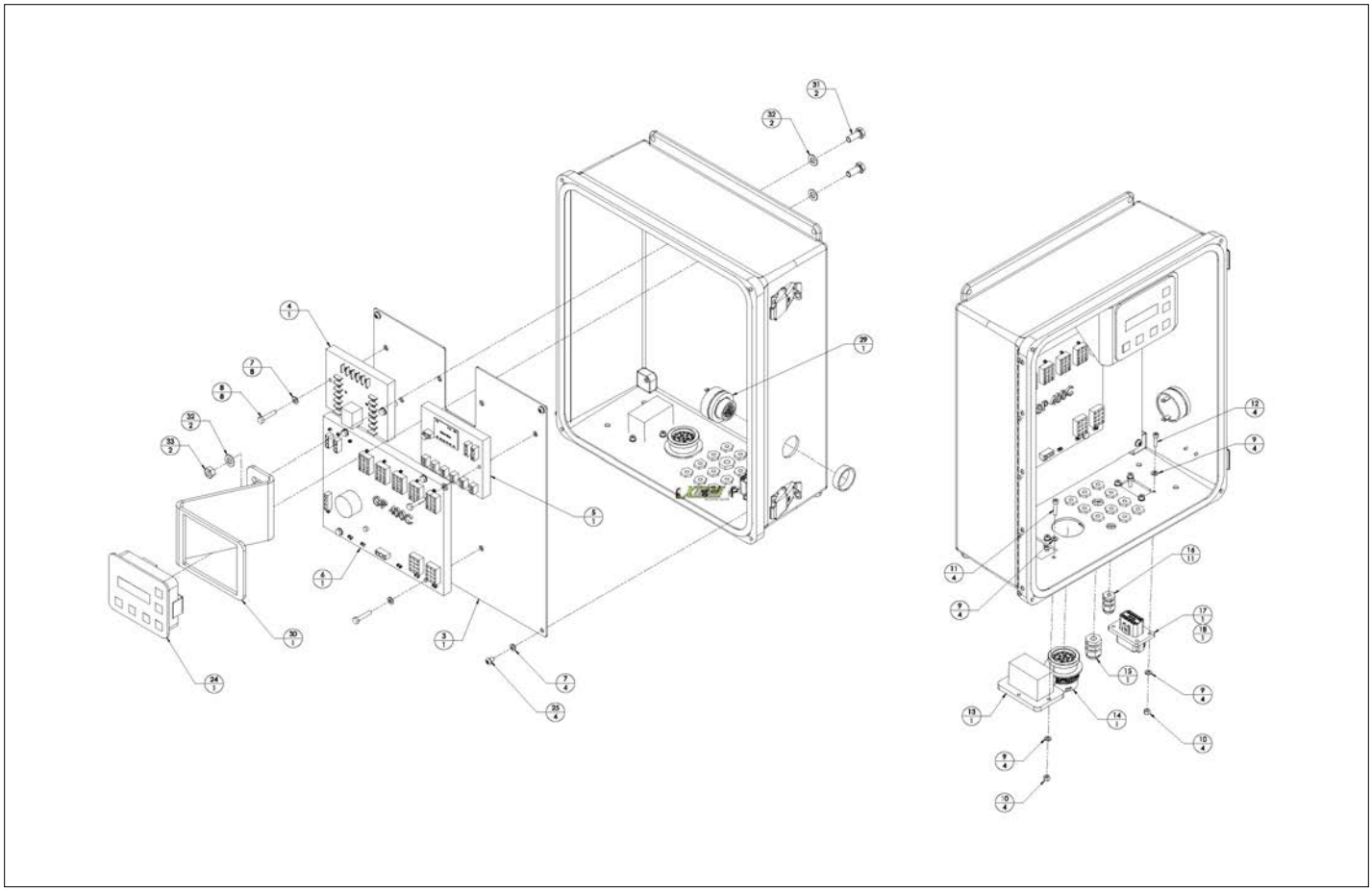
アイテム	部品番号	名前	数量	UOM
22	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	1	EA
23	1431983	WINDOW, CLEAR PLEXIGLASS	1	EA
24	3087803	EZCal Panel - Trionics	1	EA
25	5563760	SCS BUTN HD M5X0.8X8 ZN 10.9	4	EA
26	3020016	Switch, Toggle - Honeywell INTI-7	6	EA
27	3069524	LIGHT RED LED 12V	2	EA
28	3069544	LIGHT AMBER LED 12V .69DIA MTG	3	EA
29	3040411	Alarm Buzzer	1	EA
30	1434075	BRKT,MNT,LCD DISP,LWR CTRL BX	1	EA
31	058492-020	Bolt HexSetScrew DIN933 M8 x 2	2	EA
32	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	4	EA
33	056067-008	Nut, HexNut DIN934 M8 8.0 Zinc	2	EA
35	12556-009	RECEPTACLE 2 WIRE DT04-2P*****	3	EA
36	12556-016	WEDGELOCK FOR DT04-2P********	3	EA
37	12556-011	RECEPTACLE 4 WIRE DT04-4P	4	EA
38	12556-016	WEDGELOCK FOR DT04-2P********	4	EA
39	12554-024	DEUTSCH CONTACT PIN	64	EA
40	12554-009	RECEPTACLE 2 WIRE	1	EA
41	12554-016	WEDGELOCK FOR DTP04-2P	1	EA
42	12554-026	PIN SIZE-12 (12-14GA) DTP	2	EA
43	12557-011	DEUTSCH 4-PIN PLUG	2	EA
44	12557-018	DEUTSCH 4-PIN WEDGELOCK	2	EA
45	12555-031	DEUTSCH SOCKET #16	8	EA

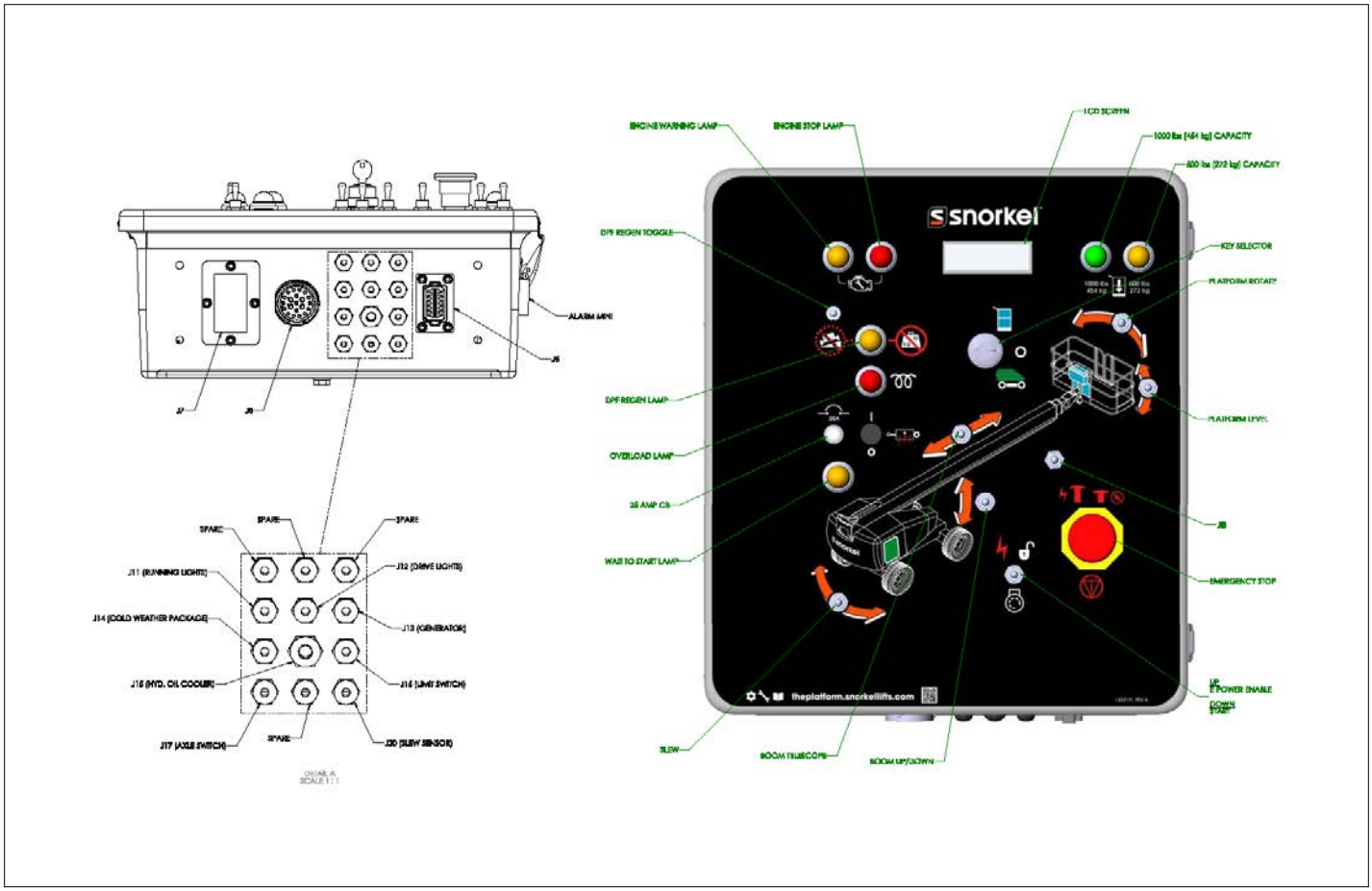
アイテム	部品番号	名前	数量	UOM
46	3220181	CONN AMP 2PIN P/N:1-480698-0	5	EA
47	3220199	CONNECTOR AMP 3 PIN	4	EA
48	3220163	CONNECTOR AMP 4 PIN 1-480702-0	2	EA
49	3220024	CONNECTOR AMP 12 PIN 1-480-708	2	EA
50	3220142	CONNECTOR AMP 15 PIN PLUG	5	EA
51	3014786	WIRE 10GA SINGLE COND BLACK	A/R	EA
52	3014785	WIRE 10GA SINGLE COND RED	A/R	EA
53	3011601	WIRE 16GA SINGLE CONDUCTOR BLK	A/R	EA
54	3011641	WIRE 16GA SINGLE CONDUCTOR WHT	A/R	EA
55	3049986	AMP SOCKET CONTACT	96	EA
56	12554-035	-PIN CNTCT,10AWG(#12)1060-12	3	EA
57	3069548	LIGHT, GREEN LED 12V 11/16	1	EA

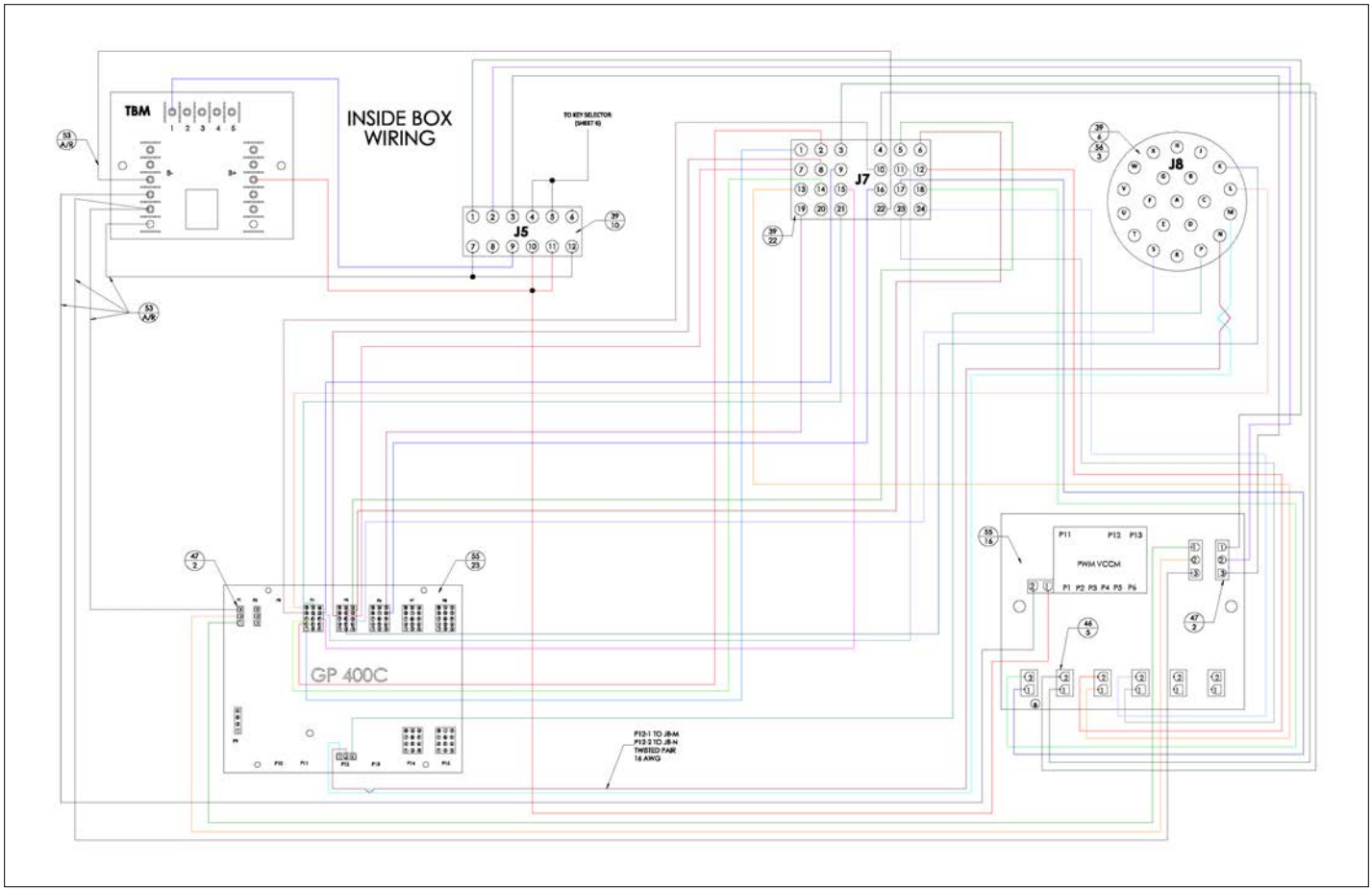
ELECTRICAL

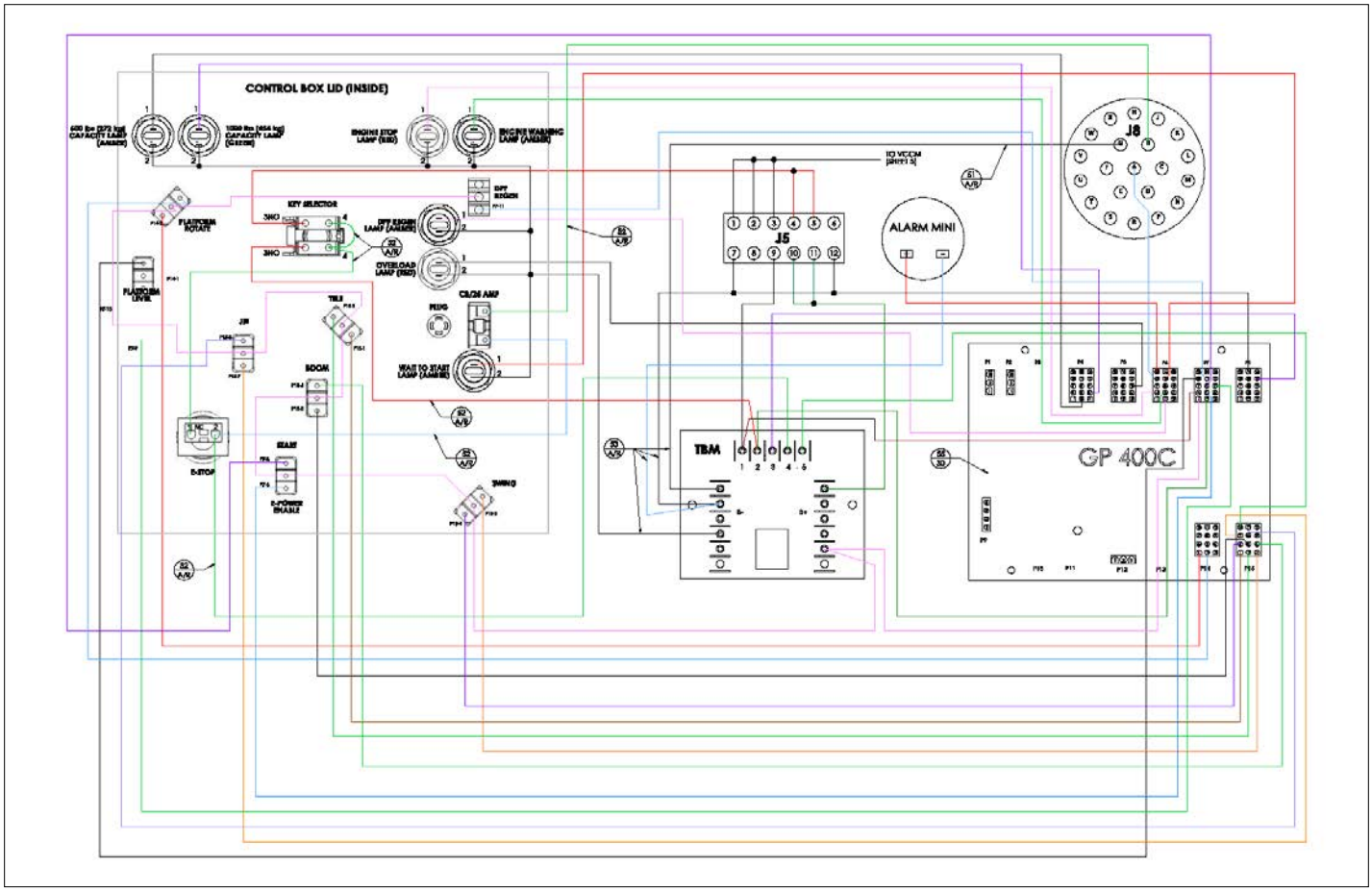


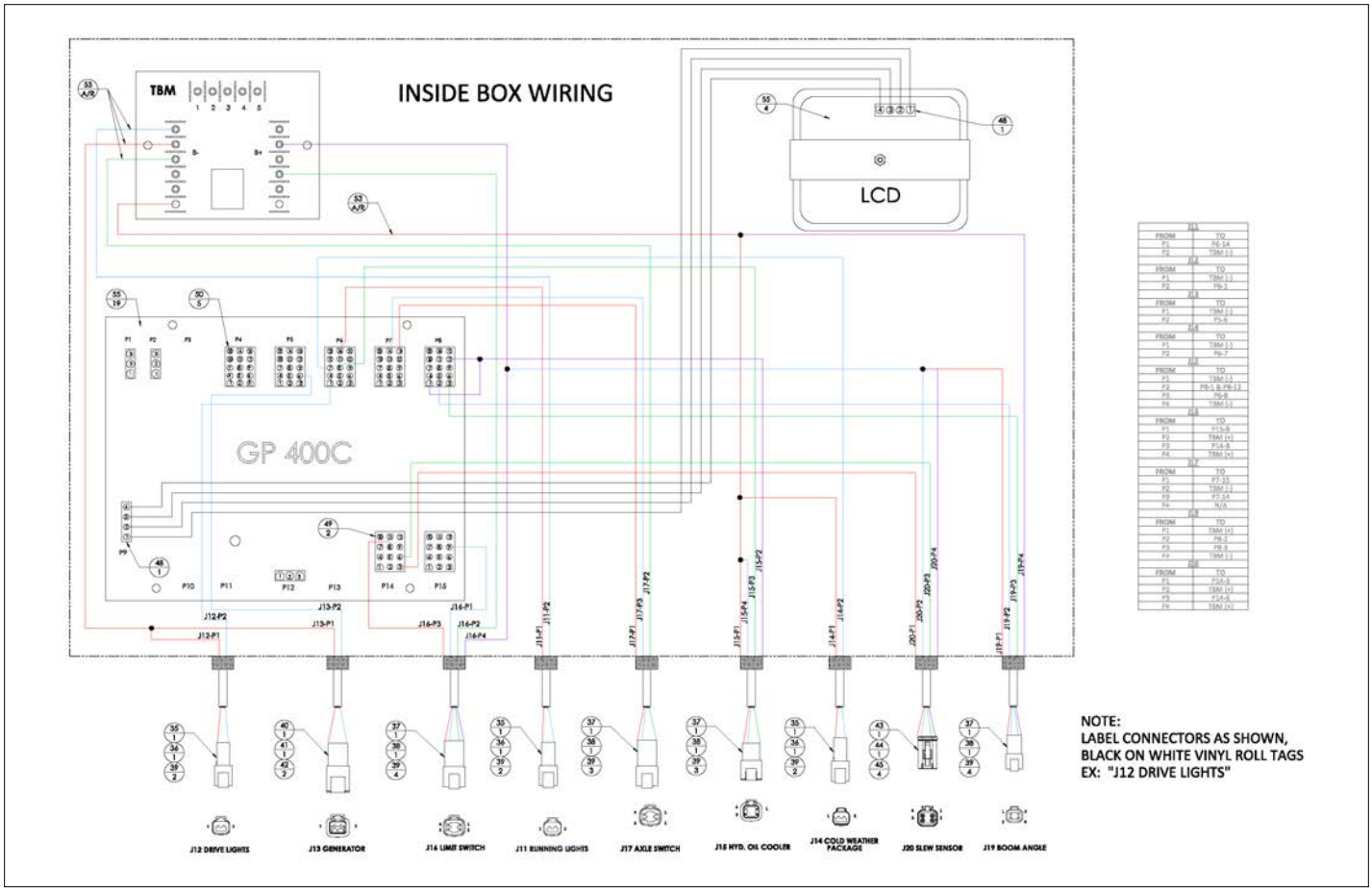

28 1 AMBER
AMBER 28 1
27 1 RED
37 1 GREEN
34 1
28 1 AMBER
RED 27 1
AMBER 28 1
24 7
MOUNT FROM REAR 19 1
20 1
25 1
21 1
103.3 (4.07)
23 1 POSITION CENTERED ON CUTOUT AND APPLY USING SEAM SEAL SIKAFLEX OR EQUIVALENT
35.2 (1.39)
34 1 REF
45.0°
REF 24 7
45.0°
45.0°
ALL COMPONENTS INSTALLED VERTICALLY ALIGNED UNLESS OTHERWISE SPECIFIED
REAR VIEW OF FRONT PANEL




ENGINE WARNING LAMP
ENGINE STOP LAMP
LCD SCREEN
1000 lbs [454 kg] CAPACITY
400 lbs [272 kg] CAPACITY
DPF REGEN TOGGLE
KEY SELECTOR
PLATFORM ROTATE
DPF REGEN LAMP
PLATFORM LEVEL
OVERLOAD LAMP
25 AMP CB
J8
WAIT TO START LAMP
EMERGENCY STOP
UP
POWER ENABLE
DOWN
START
SLEW
BOOM TELESCOPE
BOOM UP/DOWN
ALARM MINI
J6
J7
J9
SPARE
SPARE
SPARE
J11 (RUNNING LIGHTS)
J12 (DRIVE LIGHTS)
J14 (COLD WEATHER PACKAGE)
J13 (GENERATOR)
J15 (HYD. OIL COOLER)
J16 (LIMIT SWITCH)
J17 (AXLE SWITCH)
SPARE
J20 (SLEW SENSOR)
theplatform.snorkellifts.com


INSIDE BOX WIRING
TBM
J5
J7
J8
GP 400C
PWM VCCM


CONTROL BOX LID (INSIDE)
J8
J5
ALARM MINI
TBM
GP 400C

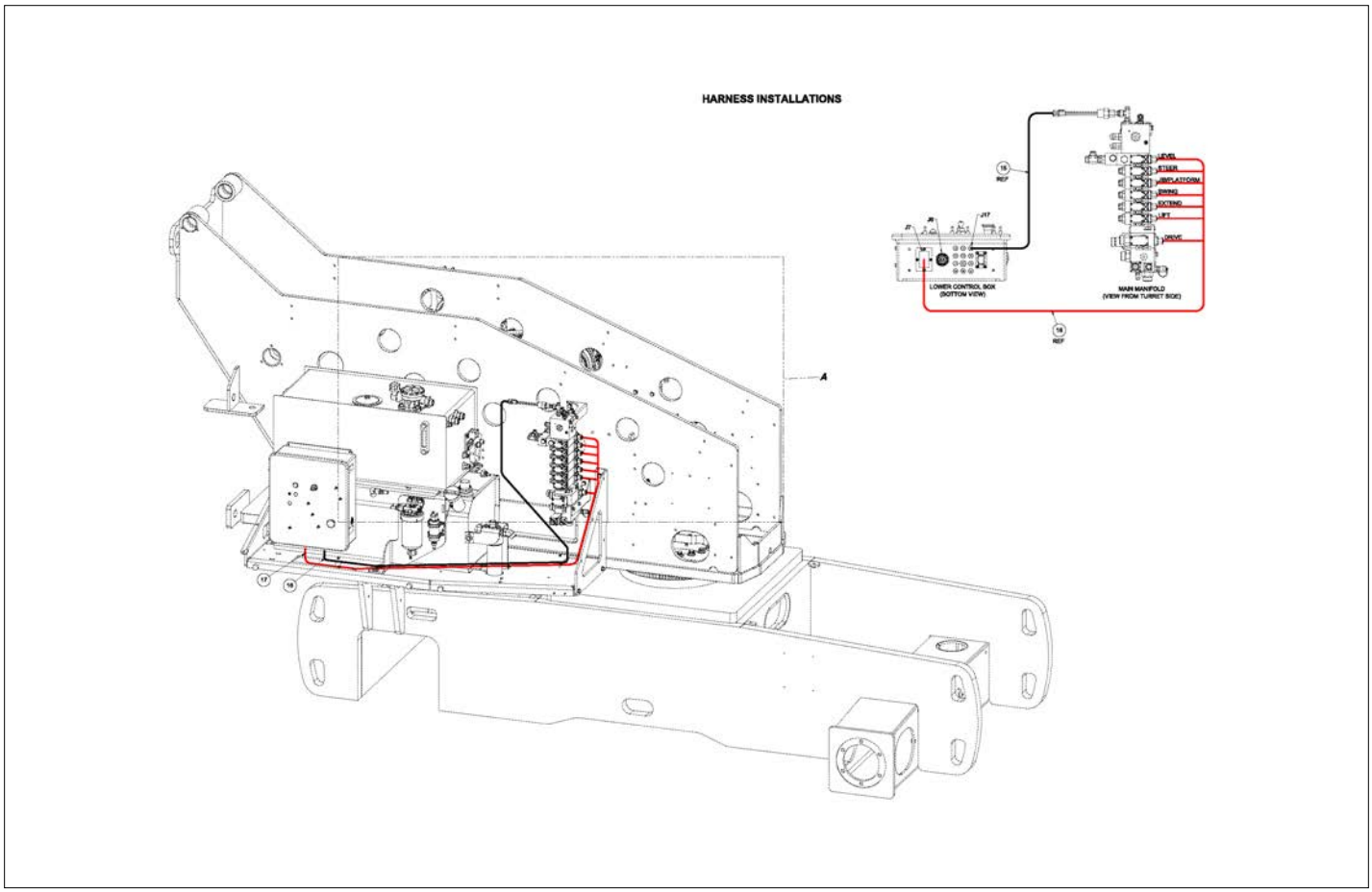

INSIDE BOX WIRING
TBM
LCD
GP 400C
NOTE:
LABEL CONNECTORS AS SHOWN,
BLACK ON WHITE VINYL ROLL TAGS
EX: "J12 DRIVE LIGHTS"
J12 DRIVE LIGHTS
J13 GENERATOR
J16 LIMIT SWITCH
J11 RUNNING LIGHTS
J17 AXLE SWITCH
J15 HYD. OIL COOLER
J14 COLD WEATHER PACKAGE
J20 SLEW SENSOR
J19 BOOM ANGLE

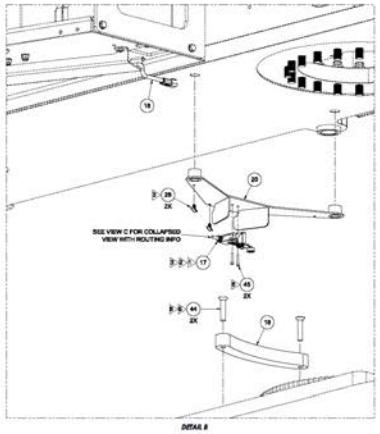
アイテム	部品番号	名前	数量	UOM
*	1434127 A	LOWER CONTROL BOX 400/460 DEUTZ TIER 4 FINAL ASSEMBLY		EA
1	1434129	ENCLOSURE, LOWER CTRL BOX, 400/600 DEUTZ T4F	1	EA
2	1434131	DECAL, LOWER CTRL BOX, 400/600 DEUTZ T4F	1	EA
3	1434077	WLDMT BACKING PLT LOWER CTRL BOX DEUTZ	1	EA
4	3030181	Trionics - TBM	1	EA
5	3030174	VALVE CURRENT CONTROL MODULE	1	EA
6	1433307	GP400C	1	EA
7	056069-005	Washer SteelFlatWasher DIN125A	12	EA
8	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	8	EA
9	056069-004	Wshr, SteelFlatWshr M4 DIN125	16	EA
10	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	8	EA
11	058500-020	Bolt, SktCapScrew DIN912 M4 x	4	EA
12	510563-016	Bolt, SktCapScrew DIN912 M4 x	4	EA
13	015790-011	DEUTSCH 24PIN CONN DRC 12-24PA	1	EA
14	100338-001	RECPT. DEUTSCH	1	EA
15	3220365	HEYCO CORD GRIP 3210	1	EA
16	3220366	HEYCO CORD GRIP 3207	11	EA
17	3049837	CONNECTOR 12-PIN BHD	1	EA
18	3049849	-LOCK WEDGE 12-PIN DEUTSCH REC	1	EA
19	3040069	CIRCUIT BREAKER 25AMP	1	EA
20	3028886	ASY KEY SW 3 POS CPTV2XNO	1	EA
21	3028810	PUSH/PULL EMERGENCY STOP	1	EA
22	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	1	EA
23	1431983	WINDOW, CLEAR PLEXIGLASS	1	EA

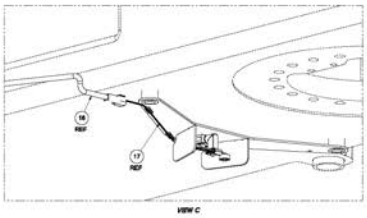
アイテム	部品番号	名前	数量	UOM
24	3087803	EZCal Panel - Trionics	1	EA
25	5563760	SCS BUTN HD M5X0.8X8 ZN 10.9	4	EA
26	3020016	Switch, Toggle - Honeywell INTI-7	7	EA
27	3069524	LIGHT RED LED 12V	2	EA
28	3069544	LIGHT AMBER LED 12V .69DIA MTG	4	EA
29	3040411	Alarm Buzzer	1	EA
30	1434075	BRKT,MNT,LCD DISP,LWR CTRL BX	1	EA
31	058492-020	Bolt HexSetScrew DIN933 M8 x 2	2	EA
32	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	4	EA
33	056067-008	Nut, HexNut DIN934 M8 8.0 Zinc	2	EA
34	3020015	Switch, Toggle - Honeywell INTI-6	1	EA
35	12556-009	RECEPTACLE 2 WIRE DT04-2P*****	3	EA
36	12556-016	WEDGELOCK FOR DT04-2P********	3	EA
37	12556-011	RECEPTACLE 4 WIRE DT04-4P	4	EA
38	12556-018	WEDGELOCK FOR DT04-4P********	4	EA
39	12554-024	DEUTSCH CONTACT PIN	58	EA
40	12554-009	RECEPTACLE 2 WIRE	1	EA
41	12554-016	WEDGELOCK FOR DTP04-2P	1	EA
42	12554-026	PIN SIZE-12 (12-14GA) DTP	2	EA
43	12557-011	DEUTSCH 4-PIN PLUG	1	EA
44	12557-018	DEUTSCH 4-PIN WEDGELOCK	1	EA
45	12555-031	DEUTSCH SOCKET #16	4	EA
46	3220181	CONN AMP 2PIN P/N:1-480698-0	5	EA

アイテム	部品番号	名前	数量	UOM
47	3220199	CONNECTOR AMP 3 PIN	4	EA
48	3220163	CONNECTOR AMP 4 PIN 1-480702-0	2	EA
49	3220024	CONNECTOR AMP 12 PIN 1-480-708	2	EA
50	3220142	CONNECTOR AMP 15 PIN PLUG	5	EA
51	3014786	WIRE 10GA SINGLE COND BLACK	A/R	EA
52	3014785	WIRE 10GA SINGLE COND RED	A/R	EA
53	3011601	WIRE 16GA SINGLE CONDUCTOR BLK	A/R	EA
54	3011641	WIRE 16GA SINGLE CONDUCTOR WHT	A/R	EA
55	3049986	AMP SOCKET CONTACT	92	EA
56	12554-035	-PIN CNTCT,10AWG(#12)1060-12	3	EA
57	3069548	LIGHT, GREEN LED 12V 11/16	1	EA

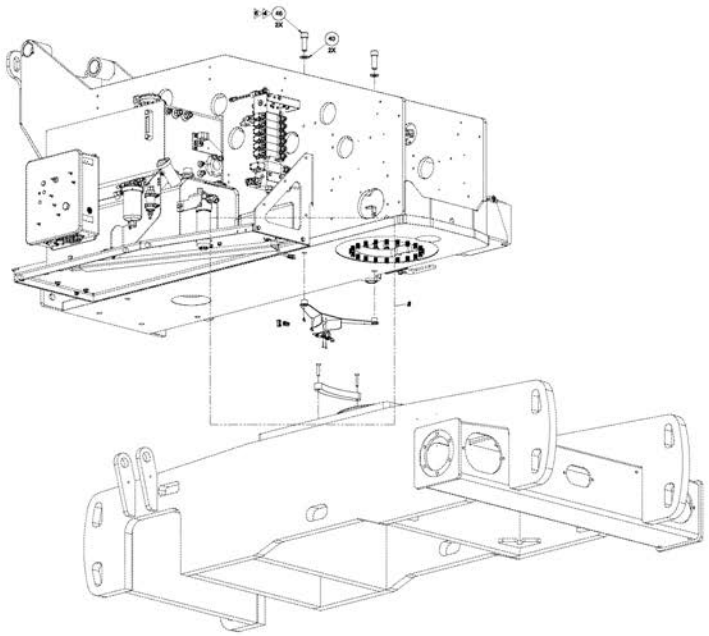
ELECTRICAL


HARNESS INSTALLATIONS
A
LOWER CONTROL BOX
(BOTTOM VIEW)
MAIN MANIFOLD
(VIEW FROM TURRET SIDE)

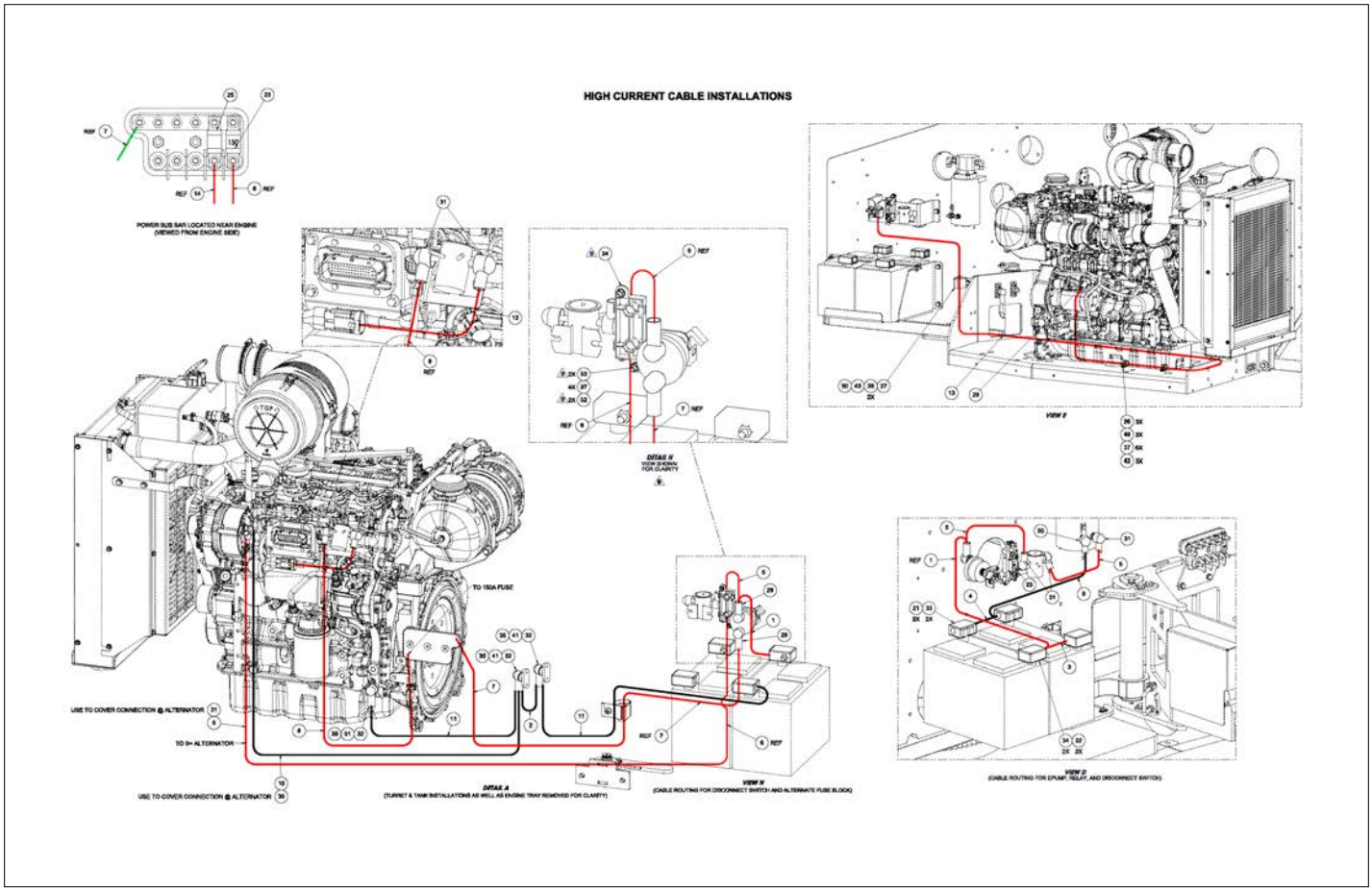


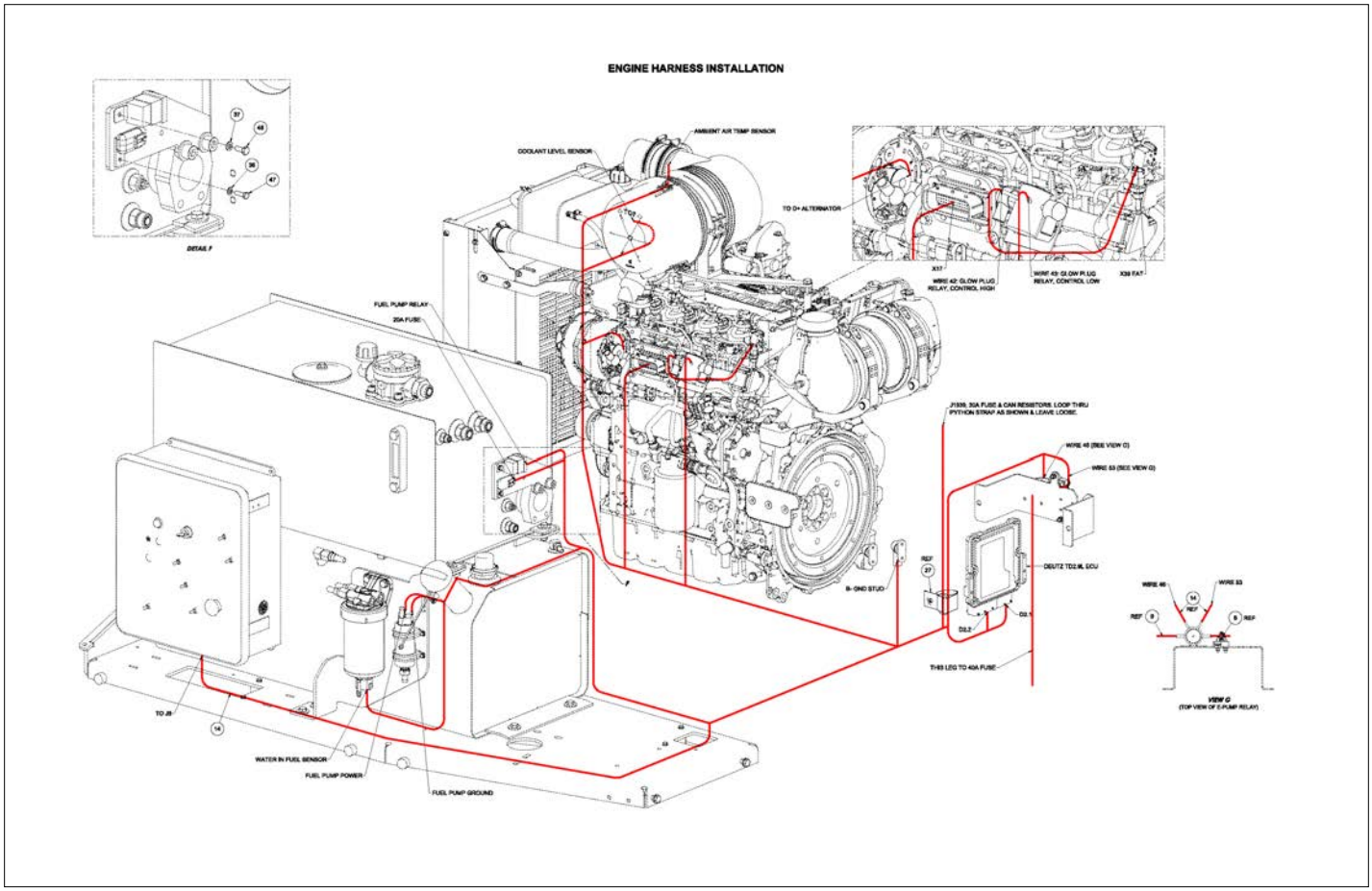


HARNESS INSTALLATIONS



NOTES:
1. - POSITION SWITCH SUCH THAT ROCKER IS PARALLEL TO BODY WITH ROLLER FACING DOWN TOWARDS CHASSIS.
2. - ROCKER ARM ON SWITCH TO BE SET AS SHORT AS POSSIBLE.
3. - ZIP TIE SWITCH PIGTAIL TO PLASTIC CLIPS & ROUTE HARNESS THROUGH CONTROL BOX CHANNELS UP THROUGH SPARE CABLE CLAMP.
4. - TORQUE TO 80 ft-lb.
5. - TORQUE TO 75 ft-lb.
6. - USE LOCTITE 243.


HIGH CURRENT CABLE INSTALLATIONS
POWER SUB BAR LOCATED NEAR ENGINE
(VIEWED FROM ENGINE SIDE)
TO 150A FUSE
USE TO COVER CONNECTION @ ALTERNATOR
TO B+ ALTERNATOR
USE TO COVER CONNECTION @ ALTERNATOR
DETAIL A
(TURRET & TANK INSTALLATIONS AS WELL AS ENGINE TRAY REMOVED FOR CLARITY)
DETAIL H
VIEW SHOWN FOR CLARITY
VIEW H
(CABLE ROUTING FOR DISCONNECT SWITCH AND ALTERNATE FUSE BLOCK)
VIEW E
VIEW D
(CABLE ROUTING FOR EPUMP, RELAY, AND DISCONNECT SWITCH)

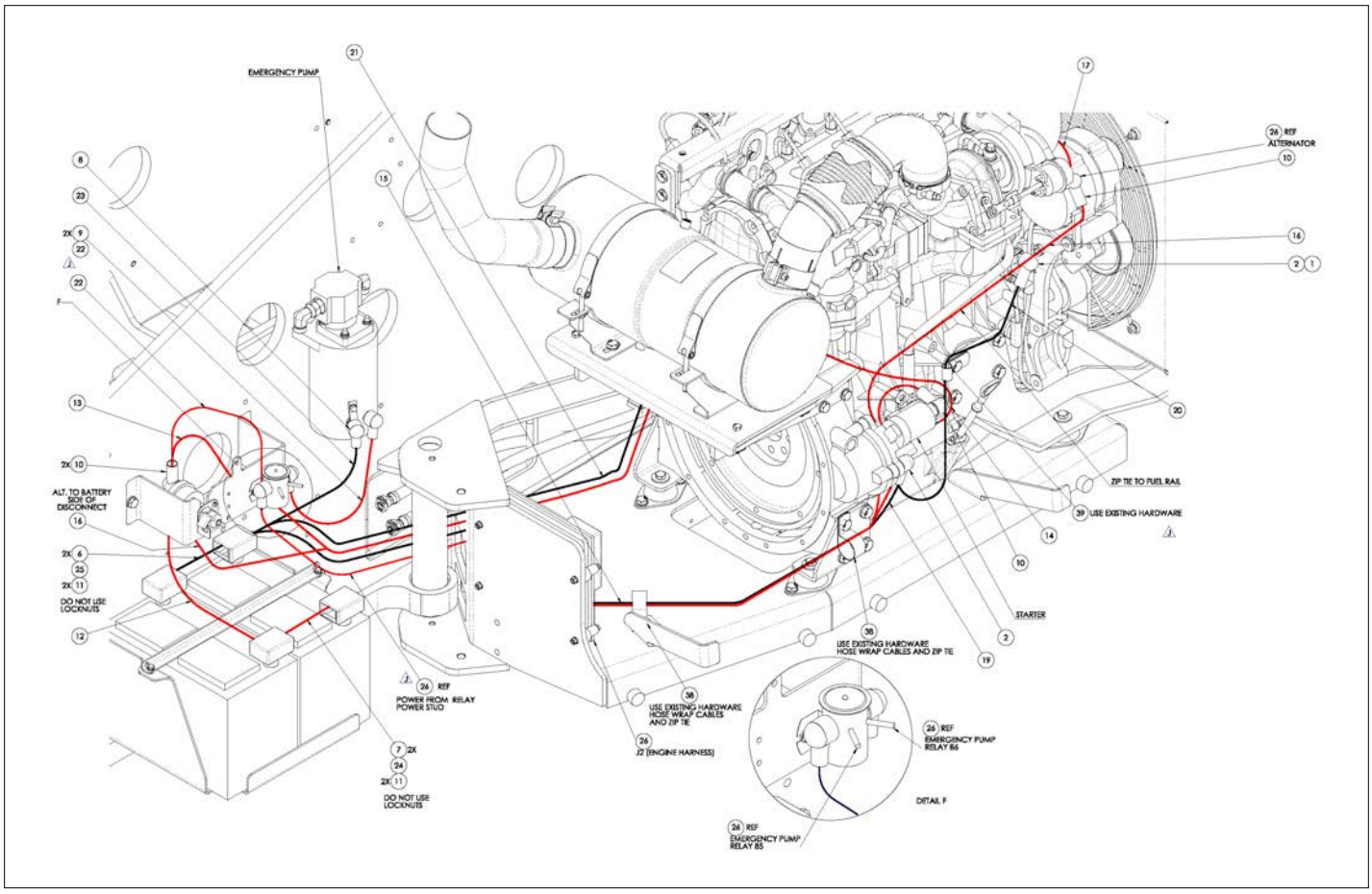

ENGINE HARNESS INSTALLATION
DETAIL F
AMBIENT AIR TEMP SENSOR
COOLANT LEVEL SENSOR
TO D+ ALTERNATOR
X57
WIRE 42: GLOW PLUG RELAY, CONTROL HIGH
WIRE 43: GLOW PLUG RELAY, CONTROL LOW
X58 FAT
FUEL PUMP RELAY
20A FUSE
F1009, 30A FUSE & CAN RESISTORS. LOOP THRU PYTHON STRAP AS SHOWN & LEAVE LOOSE.
WIRE 45 (SEE VIEW C)
WIRE 53 (SEE VIEW C)
B- GND STUD
DEUTZ TD2.9L ECU
THIS LEG TO 40A FUSE
WIRE 45
WIRE 53
VIEW C
(TOP VIEW OF 5 PUMP RELAY)
TO J5
WATER IN FUEL SENSOR
FUEL PUMP POWER
FUEL PUMP GROUND

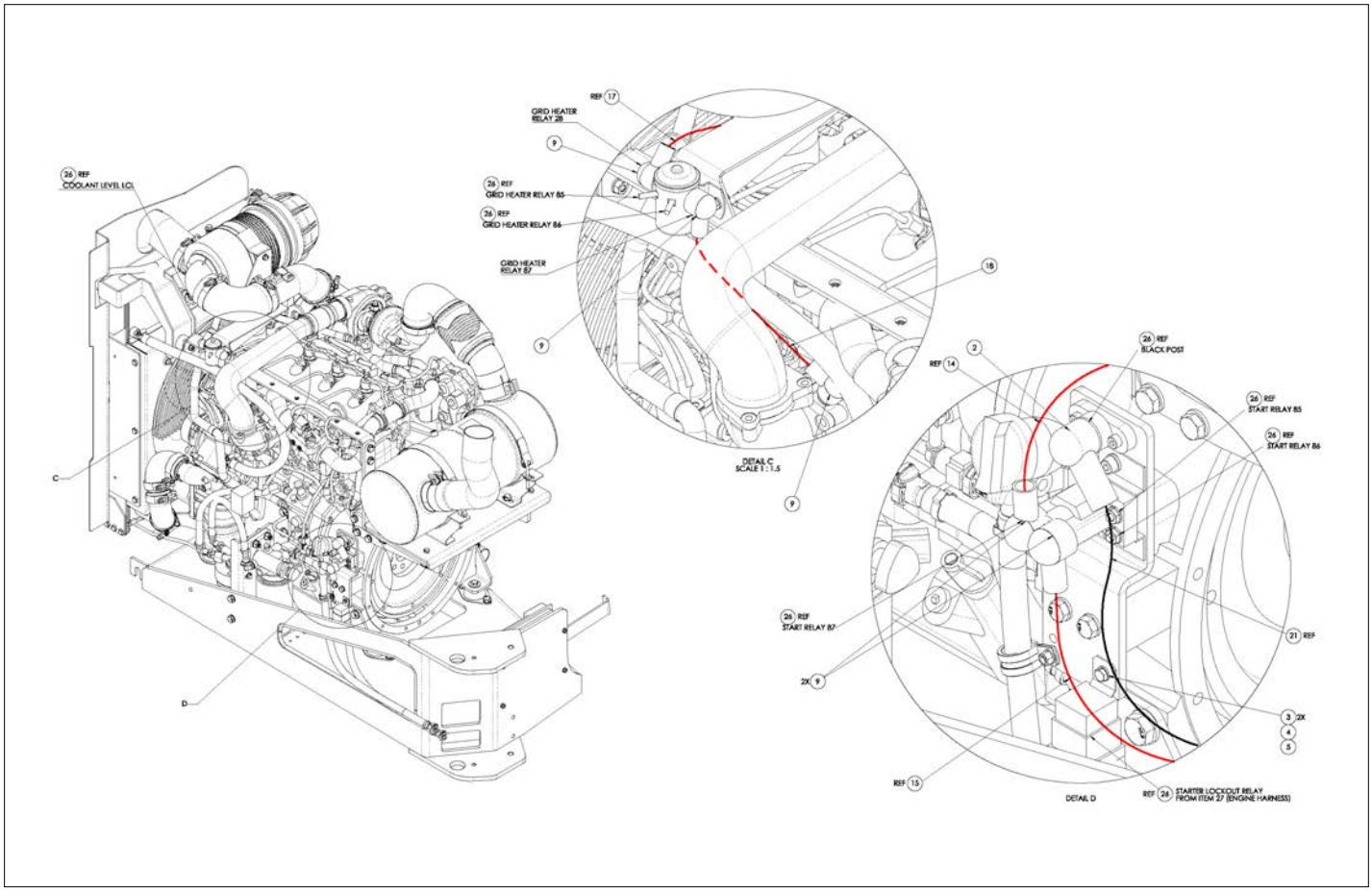
アイテム	部品番号	名前	数量	UOM
-	1433843 B	TURRET ELECTRICAL HARNESSES INSTALLATION DEUTZ STAGE 5		EA
1	3014770	CABLE BATTERY TO DISCONNECT SWITCH	1	EA
2	3014801	CABLE EMERGENCY POWER UNIT TO BATTERY	1	EA
3	3014802	WIRE 2/0 R375 R375 9 RED	1	EA
4	3014803	WIRE 2/0 R375 R375 9 BLK	1	EA
5	3014814	CABLE, DISCONN TO ALT FUSE HLD	1	EA
6	3014815	CABLE, ALT TO ALT FUSE HOLDER	1	EA
7	3014817	CABLE, FUSE BLK TO DISC SWITCH	1	EA
8	3014819	CABLE, FUSE BLOCK TO RELAY	2	EA
9	3014822	CABLE, EMER PWR UNIT TO BATTER	1	EA
10	3014824	CABLE, ALTERNATOR TO GND STUD	1	EA
11	3014825	CABLE, EMR PWR RLY TO EMR MTR	2	EA
12	1433561	HARNESS GLOW PLUG DEUTZ	1	EA
13	3014831	CABLE, BATTERY TO START RELAY	1	EA
14	1434058	ENGINE HARNESS	1	EA
15	3014762	HARNESS, LWR CTL TO PRS SW	1	EA
16	3014796	HARNESS MAIN MANIFOLD 660SJ CMNS	1	EA
17	3014764	HARNESS, ELEV SWITCH DT06-4S	1	EA
18	1433518	HARNESS-SLEW SENSOR CONTROL BOX PIGTAIL	1	EA
19	1433512	TARGET-SLEW SENSOR, 600S/660SJ	1	EA
20	1433513	BRKT-SLEW SENSOR, 600S/660SJ	1	EA

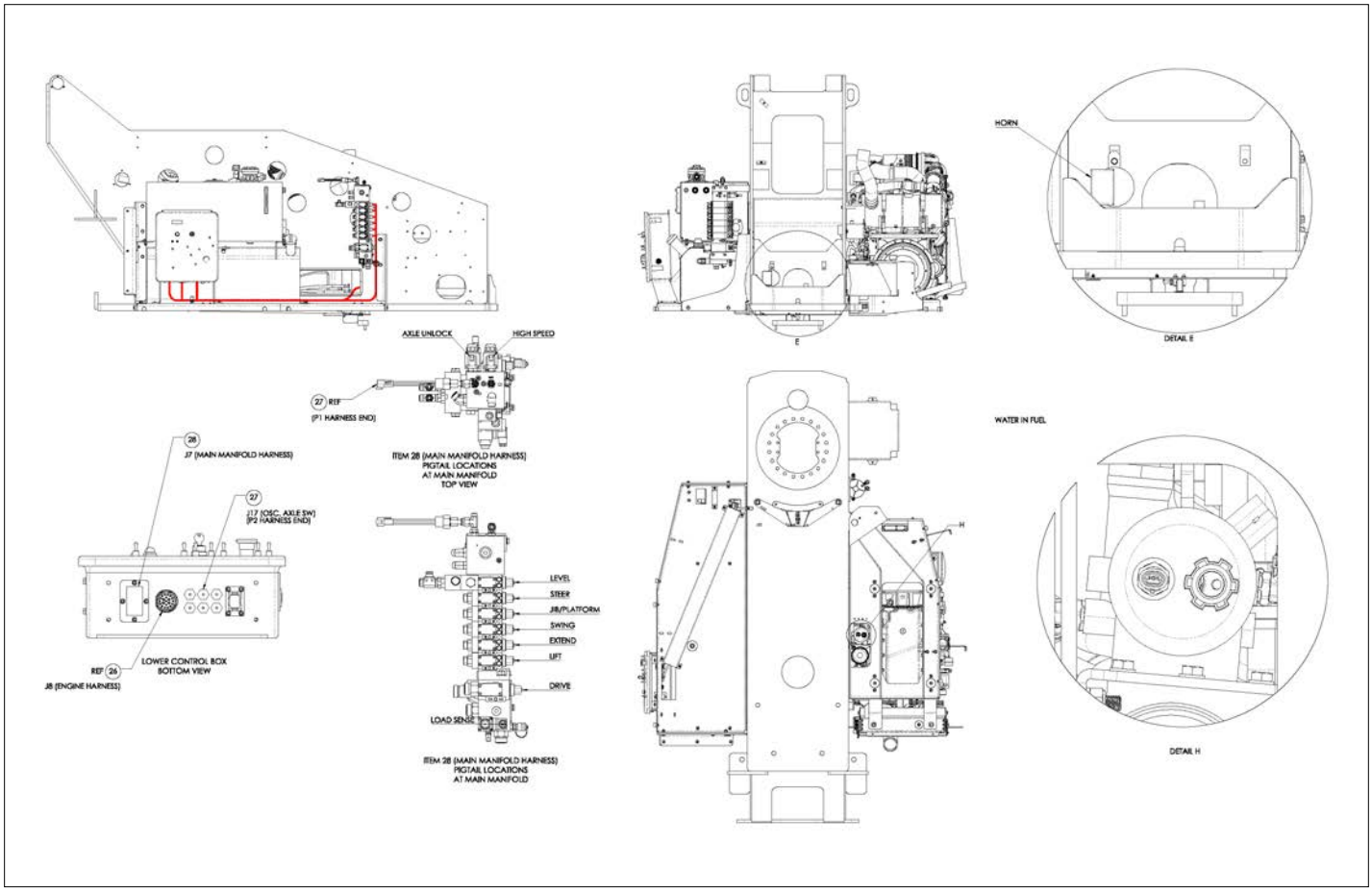
アイテム	部品番号	名前	数量	UOM
21	14475-002	CLAMP BATT POST NEG 23399-3	2	EA
22	14475-001	CLAMP BATT POST POS 23399-4	2	EA
23	13006-006	150 AMP FUSE	2	EA
24	13003-016	FUSE BLOCK	1	EA
25	13006-001	FUSE 40A BOLT IN	1	EA
26	5059720	LOOP CLAMP VBRTN-DAMPING	3	EA
27	9960024	PYTHON STRAP, ADJUSTABLE 2-2.5	1	EA
28	3220344	CLIP-HARNESS .04-.25 THK	2	EA
29	3220328	BOOT INSTALLATION TERM 3/0 AWG RED	3	EA
30	3220322	BOOT EYELET TERM 4-1 AWG BLACK	2	EA
31	3220325	BOOT EYELET TERM 4-1 AWG RED	8	EA
32	3040269	Boot Cable Entry Black 1/0 GA	3	EA
33	09-0706-B	RUBBER BOOT (BLACK)	2	EA
34	09-0706-R	RUBBER BOOT (RED)	2	EA
35	986299	WASHER, FLAT, .375 STANDARD, PLATED	2	EA
36	056069-005	Washer SteelFlatWasher DIN125A	1	EA
37	056069-006	WSHR STEELFLATWSHE M6 DIN125A	7	EA
38	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	2	EA
39	056069-012	WASHER DIN125A M12 ZP	1	EA
40	510595-024	WASHER, FLAT M24 DIN 125	2	EA
41	5560033	.375-16UNC HEX LOCK NUT	2	EA
42	056066-006	Nut NylockNut DIN985 M6 8.0 Zi	3	EA
43	056066-008	NUT NYLOCKNUT DIN985 M8 8.0 ZP	1	EA

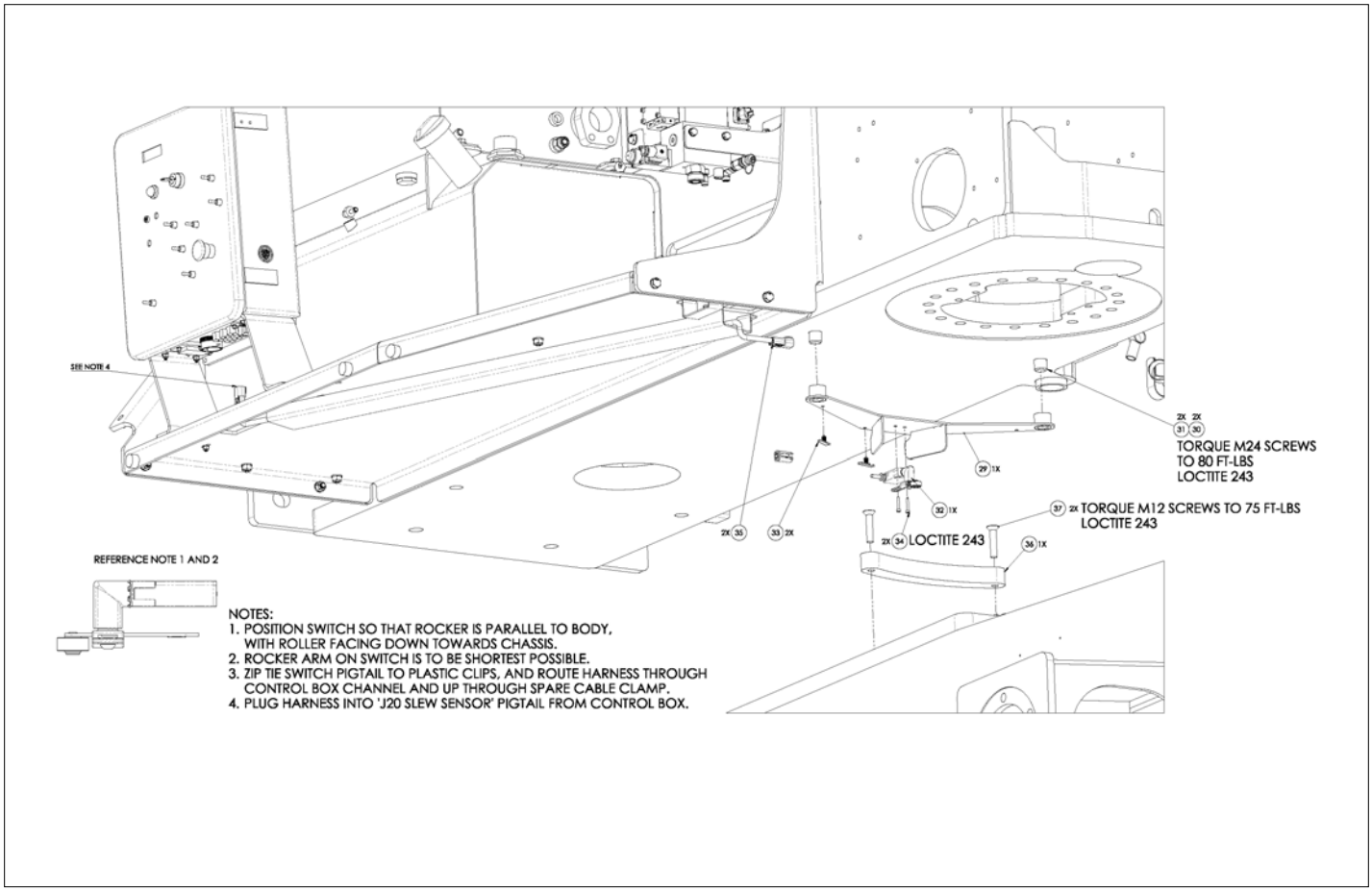
アイテム	部品番号	名前	数量	UOM
44	5563964	FSHCS M12 X 1.75 X 60 CLASS 10.9 DIN 7991	2	EA
45	5563249	SHCS M4 X 0.7X 25 G8.8 ZP-BRIG	2	EA
46	5563972	SHCS M24 X 3.0 X 70MM GR12.9 BLK OXIDE	2	EA
47	5563804	BOLT HXHD M5X.8X16 YLZN GR10.9	1	EA
48	5563966	BOLT,HEXSETSCRW DIN933M6X14MM	1	EA
49	058491-022	HHCS M6X1X22 G8.8 ISO 4017_DIN	3	EA
50	056059-040	Bolt, HexBolt DIN931 M8 x 40mm	1	EA
51	5560630	BLOT M12-1.75 X 20	1	EA
52	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
53	512630-020	HHCS M6 X X 20 G10.9 DIN 933	2	EA

ELECTRICAL


EMERGENCY PUMP
ALTERNATOR
ZIP TIE TO FUEL RAIL
USE EXISTING HARDWARE
STARTER
ALT. TO BATTERY SIDE OF DISCONNECT
DO NOT USE LOCKNUTS
POWER FROM RELAY POWER STUD
USE EXISTING HARDWARE HOSE WRAP CABLES AND ZIP TIE
J2 (ENGINE HARNESS)
EMERGENCY PUMP RELAY 86
DETAIL F
EMERGENCY PUMP RELAY 85


26 REF
COOLANT LEVEL (CL)
C
D
REF 17
GRID HEATER
RELAY 28
9
26 REF
GRID HEATER RELAY B5
26 REF
GRID HEATER RELAY B6
GRID HEATER
RELAY B7
9
DETAIL C
SCALE 1 : 1.5
18
2
REF 14
26 REF
BLACK POST
26 REF
START RELAY B5
26 REF
START RELAY B6
26 REF
START RELAY B7
2X 9
21 REF
3 2X
4
5
REF 15
DETAIL D
REF 26 STARTER LOCKOUT RELAY
FROM ITEM 27 (ENGINE HARNESS)

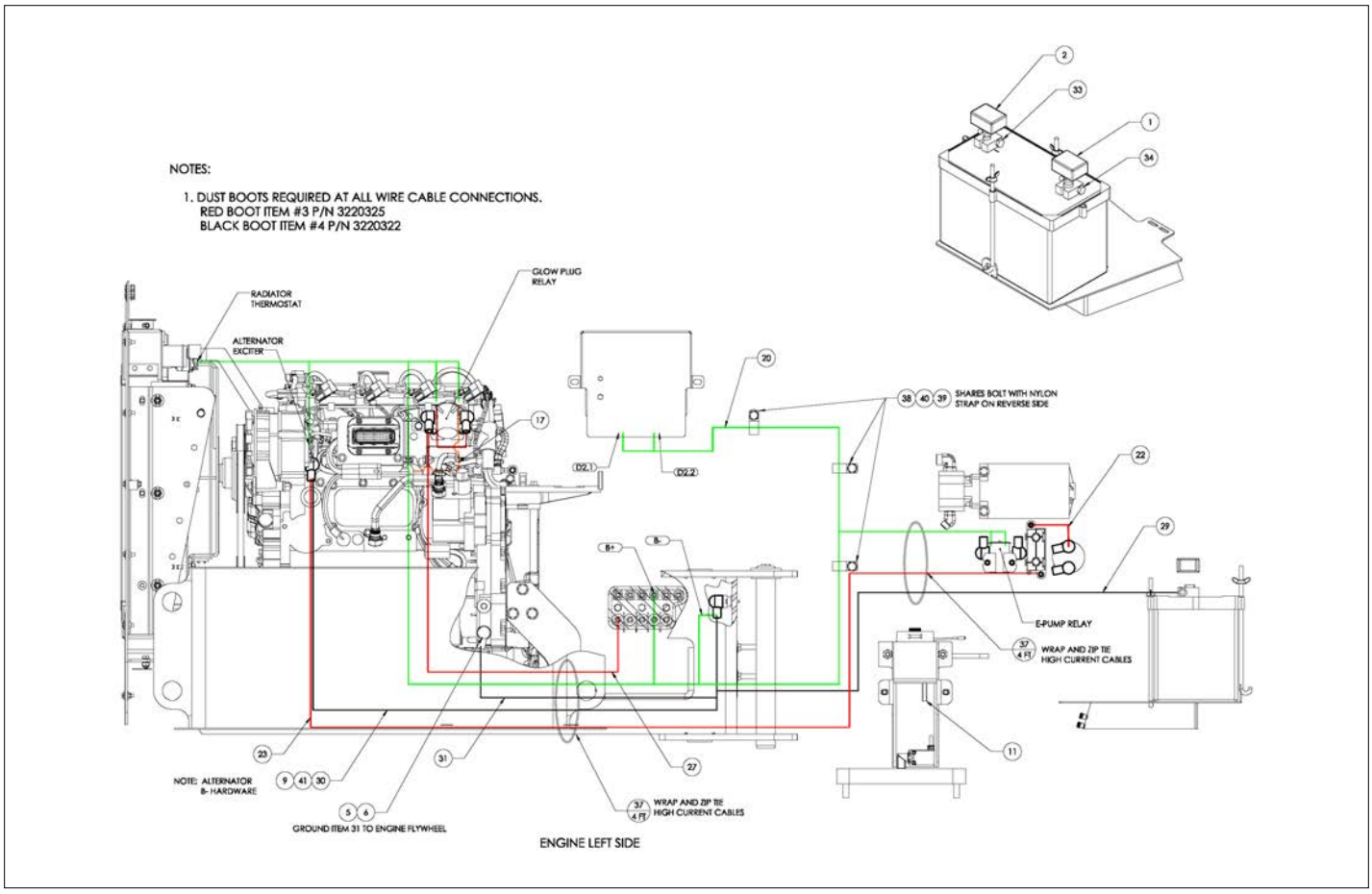

AXLE UNLOCK
HIGH SPEED
27 REF
(P1 HARNESS END)
28
J7 (MAIN MANIFOLD HARNESS)
ITEM 28 (MAIN MANIFOLD HARNESS)
PIGTAIL LOCATIONS
AT MAIN MANIFOLD
TOP VIEW
27
(J7 (OSC. AXLE SW)
(P2 HARNESS END)
LOWER CONTROL BOX
BOTTOM VIEW
REF 26
J8 (ENGINE HARNESS)
LEVEL
STEER
JIB/PLATFORM
SWING
EXTEND
LIFT
DRIVE
LOAD SENSE
ITEM 28 (MAIN MANIFOLD HARNESS)
PIGTAIL LOCATIONS
AT MAIN MANIFOLD
E
HORN
DETAIL E
H
WATER IN FUEL
DETAIL H

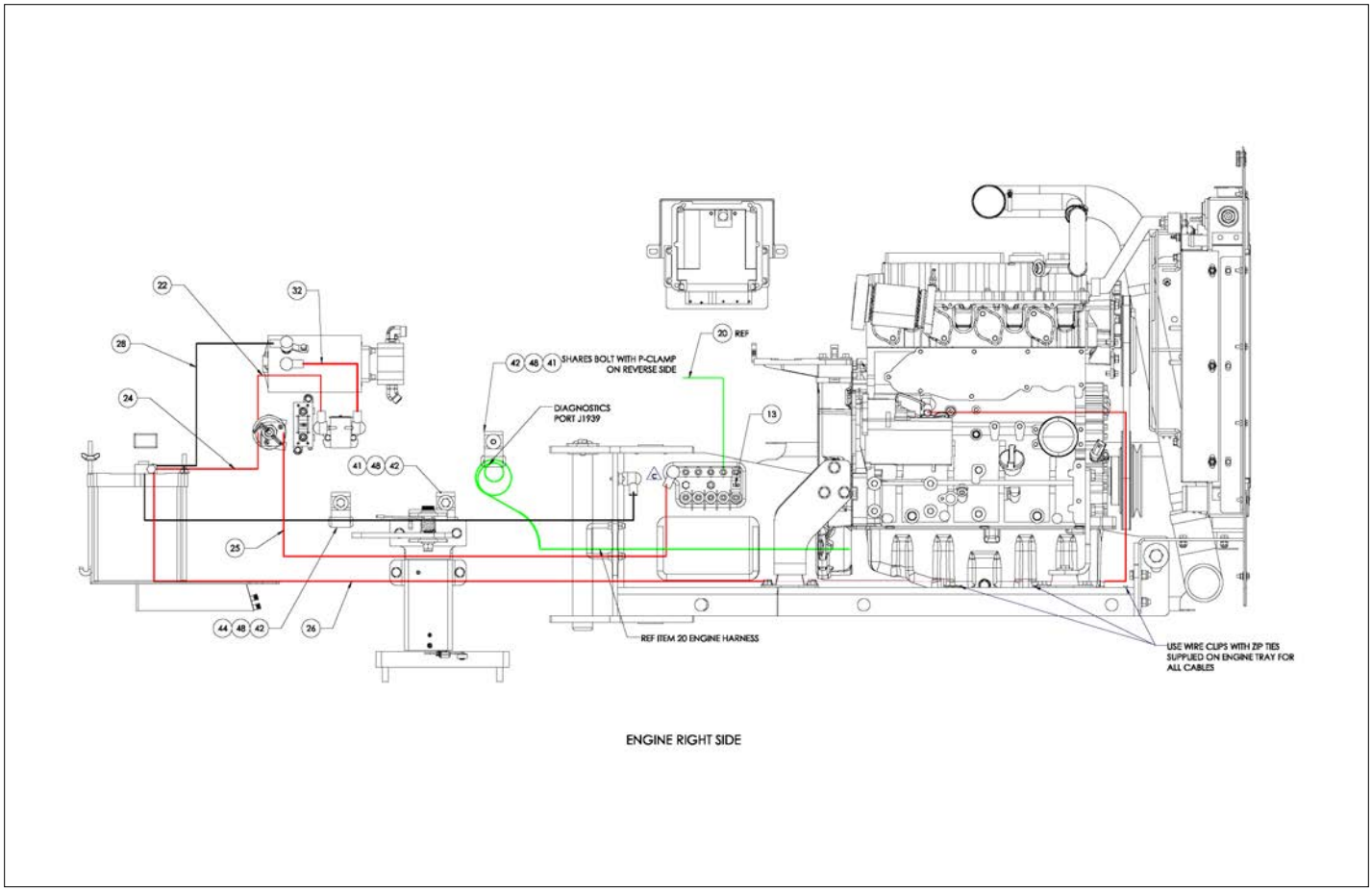

SEE NOTE 4
2X 2X
31 30
TORQUE M24 SCREWS
TO 80 FT-LBS
LOCTITE 243
29 1X
32 1X
37 2X TORQUE M12 SCREWS TO 75 FT-LBS
LOCTITE 243
2X 35
33 2X
2X 34 LOCTITE 243
36 1X
REFERENCE NOTE 1 AND 2
NOTES:
1. POSITION SWITCH SO THAT ROCKER IS PARALLEL TO BODY, WITH ROLLER FACING DOWN TOWARDS CHASSIS.
2. ROCKER ARM ON SWITCH IS TO BE SHORTEST POSSIBLE.
3. ZIP TIE SWITCH PIGTAIL TO PLASTIC CLIPS, AND ROUTE HARNESS THROUGH CONTROL BOX CHANNEL AND UP THROUGH SPARE CABLE CLAMP.
4. PLUG HARNESS INTO 'J20 SLEW SENSOR' PIGTAIL FROM CONTROL BOX.

アイテム	部品番号	名前	数量	UOM
*	1432209 J	TURRET ELECTRICAL HARNESSES INSTALLATION		EA
1	056064-008	NUT HEX M8-1.25 GR10.9 SELF LOCKING DIN 985	1	EA
2	3040269	Boot Cable Entry Black 1/0 GA	3	EA
3	056069-005	Washer SteelFlatWasher DIN125A	2	EA
4	056064-005	Nut, NylockNut DIN985 M5 10.0	1	EA
5	5563804	BOLT HXHD M5X.8X16 YLZN GR10.9	1	EA
6	09-0706-B	RUBBER BOOT (BLACK)	2	EA
7	09-0706-R	RUBBER BOOT (RED)	2	EA
8	3220322	BOOT EYELET TERM 4-1 AWG BLACK	1	EA
9	3220325	BOOT EYELET TERM 4-1 AWG RED	10	EA
10	3220328	BOOT INSTALLATION TERM 3/0 AWG RED	4	EA
11	984089	NUT HEX .313-18	4	EA
12	3014770	CABLE BATTERY TO DISCONNECT SWITCH	1	EA
13	3014771	CABLE DISCONNECT SWITCH TO STARTER	1	EA
14	3014772	CABLE START RELAY TO STARTER	1	EA
15	3014773	CABLE START RELAY TO DISCONNECT SWITCH	1	EA
16	3014826	CABLE, ALTERNATOR TO DISCONNECT SWITCH	1	EA
17	3014775	CABLE ALTERNATOR TO GRID HEATER RELAY	1	EA
18	3014776	CABLE GRID HEATER RELAY TO GRID HEATER	1	EA
19	3014777	CABLE BATTERY TO STARTER	1	EA
20	3014778	CABLE STARTER GROUND TO ALTERNATOR GROUND	1	EA

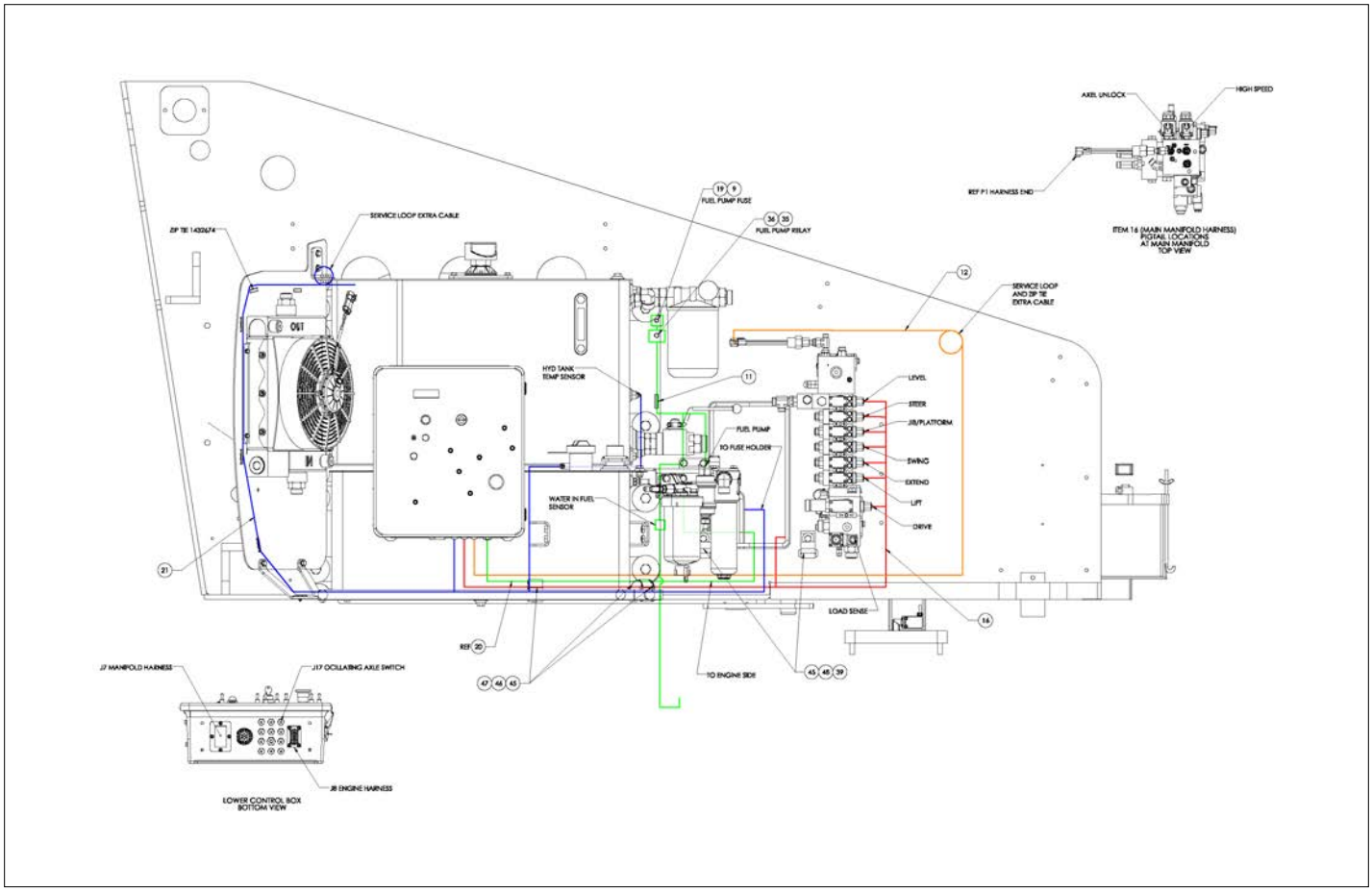
アイテム	部品番号	名前	数量	UOM
21	3014779	CABLE GROUND POST TO BATTERY	1	EA
22	3014814	CABLE, DISCONN TO ALT FUSE HLD	2	EA
23	3014801	CABLE EMERGENCY POWER UNIT TO BATTERY	1	EA
24	3014802	WIRE 2/0 R375 R375 9 RED	1	EA
25	3014803	WIRE 2/0 R375 R375 9 BLK	1	EA
26	7631063	HARNESS ENG QSF2.8L ECUJ2 TO J8	1	EA
27	3014762	HARNESS, LWR CTL TO PRS SW	1	EA
28	3014796	HARNESS MAIN MANIFOLD 660SJ CMNS	1	EA
29	1433513	BRKT-SLEW SENSOR, 600S/660SJ	1	EA
30	510595-024	WASHER, FLAT M24 DIN 125	2	EA
31	5563972	SHCS M24 X 3.0 X 70MM GR12.9 BLK OXIDE	2	EA
32	3014764	HARNESS, ELEV SWITCH DT06-4S	1	EA
33	3220344	CLIP-HARNESS .04-.25 THK	2	EA
34	5563249	SHCS M4 X 0.7X 25 G8.8 ZP-BRIG	2	EA
35	1433518	HARNESS-SLEW SENSOR CONTROL BOX PIGTAIL	1	EA
36	1433512	TARGET-SLEW SENSOR, 600S/660SJ	1	EA
37	5563964	FSHCS M12 X 1.75 X 60 CLASS 10.9 DIN 7991	2	EA
38	5093010	CLP CUSH 1.50 VINYL COATED	2	EA
39	5093034	CLAMP .652 AEROQUIP HOSE SPRT	1	EA

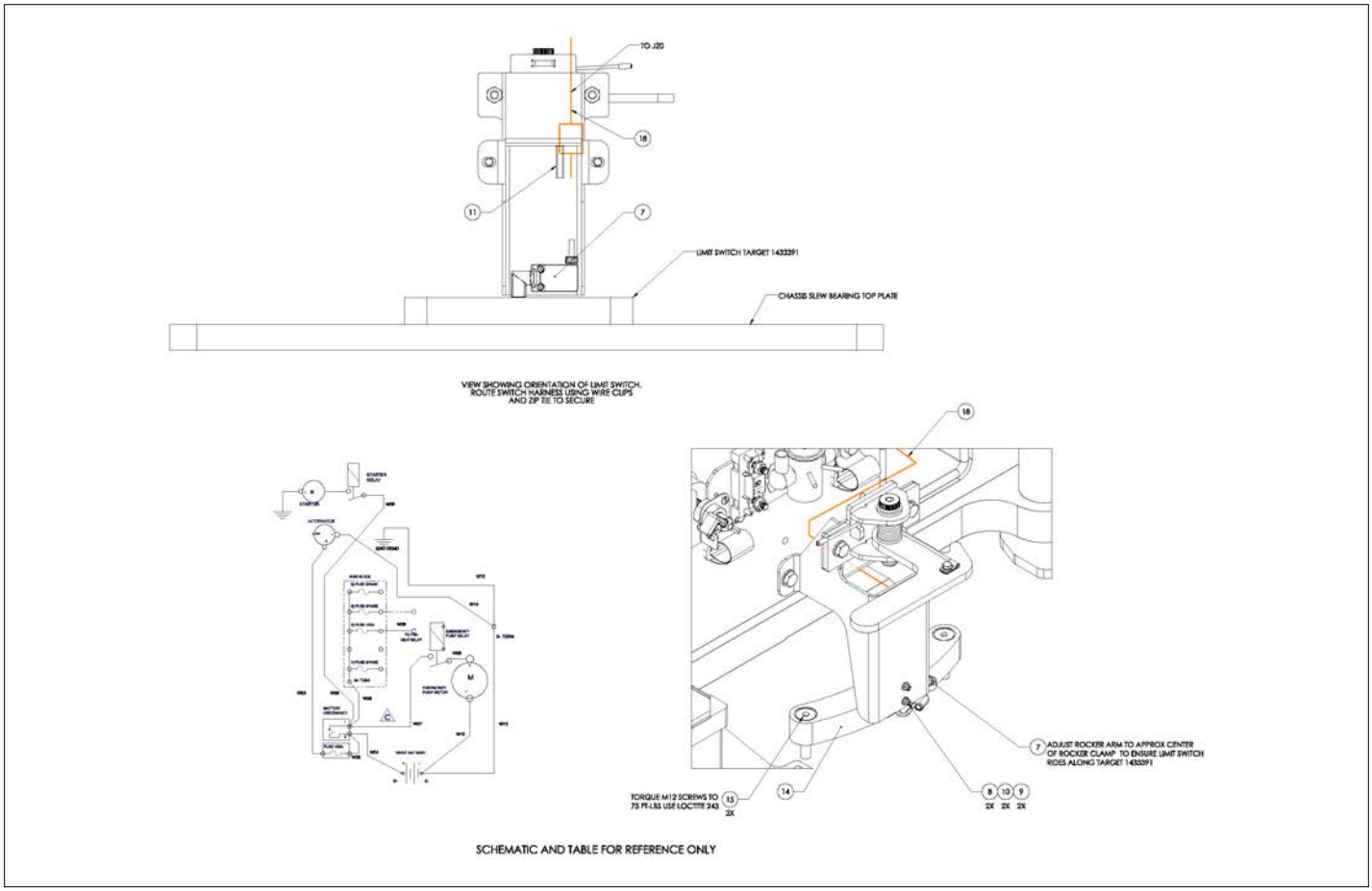
ELECTRICAL


NOTES:
1. DUST BOOTS REQUIRED AT ALL WIRE CABLE CONNECTIONS.
RED BOOT ITEM #3 P/N 3220325
BLACK BOOT ITEM #4 P/N 3220322
RADIATOR THERMOSTAT
GLOW PLUG RELAY
ALTERNATOR EXCITER
SHARES BOLT WITH NYLON STRAP ON REVERSE SIDE
E-PUMP RELAY
WRAP AND ZIP TIE HIGH CURRENT CABLES
NOTE: ALTERNATOR B- HARDWARE
GROUND ITEM 31 TO ENGINE FLYWHEEL
WRAP AND ZIP TIE HIGH CURRENT CABLES
ENGINE LEFT SIDE



ENGINE RIGHT SIDE


AXEL UNLOCK
HIGH SPEED
REF P1 HARNESS END
ITEM 16 (MAIN MANIFOLD HARNESS)
PIGTAIL LOCATIONS
AT MAIN MANIFOLD
TOP VIEW
19
9
FUEL PUMP FUSE
36
35
FUEL PUMP RELAY
ZIP TIE 1403674
SERVICE LOOP EXTRA CABLE
12
SERVICE LOOP
AND ZIP TIE
EXTRA CABLE
HYD TANK
TEMP SENSOR
11
LEVEL
STEER
JIB/PLATFORM
SWING
EXTEND
LIFT
DRIVE
FUEL PUMP
10 FUSE HOLDER
WATER IN FUEL
SENSOR
21
LOAD SENSE
16
REF 20
47
46
45
TO ENGINE SIDE
45
48
39
J7 MANIFOLD HARNESS
J17 OCILLATING AXLE SWITCH
J8 ENGINE HARNESS
LOWER CONTROL BOX
BOTTOM VIEW

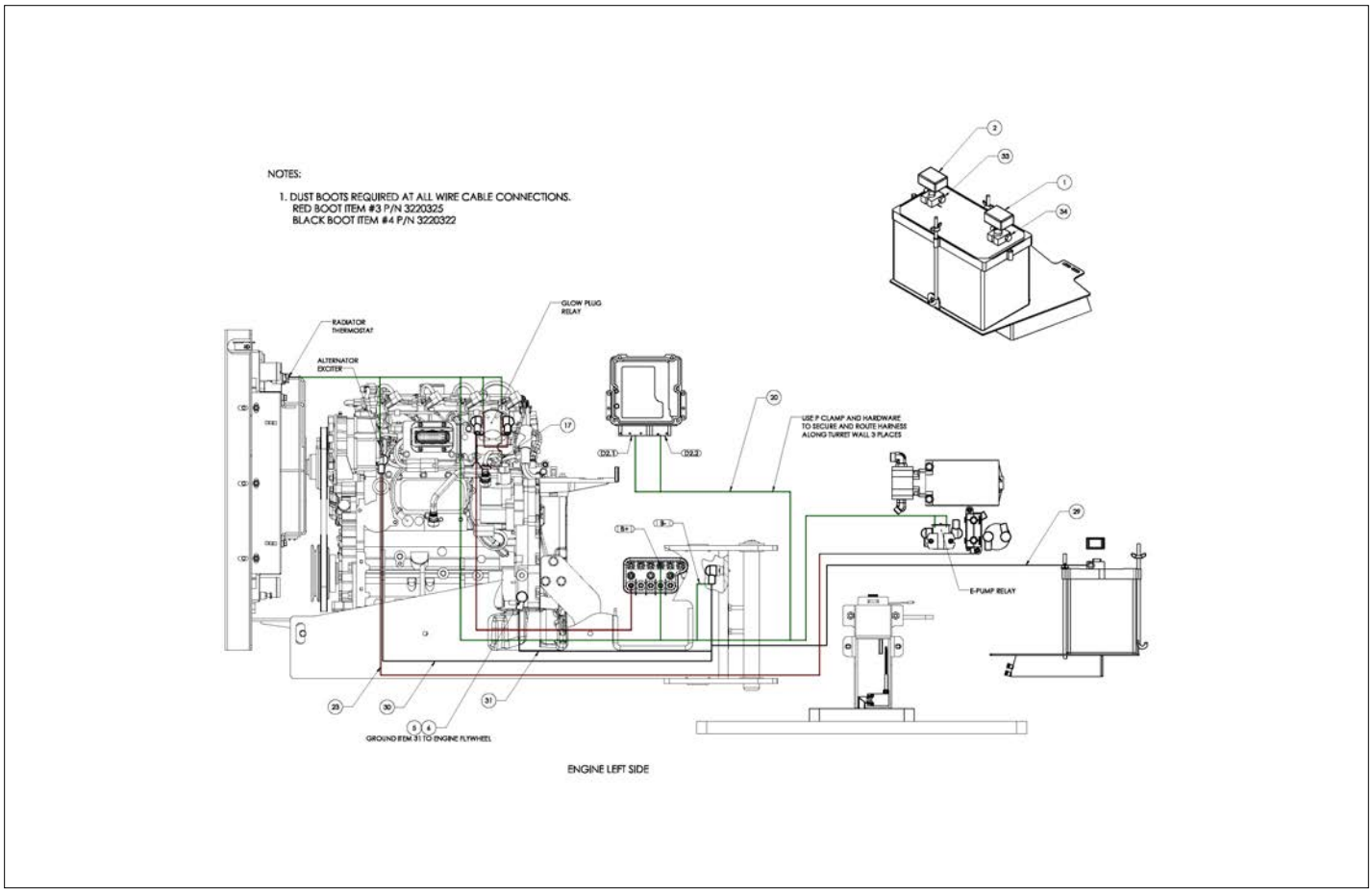

TO J20
18
11
7
LIMIT SWITCH TARGET 1433391
CHASSIS SLEW BEARING TOP PLATE
VIEW SHOWING ORIENTATION OF LIMIT SWITCH.
ROUTE SWITCH HARNESS USING WIRE CLIPS
AND ZIP TIE TO SECURE
18
7
ADJUST ROCKER ARM TO APPROX CENTER
OF ROCKER CLAMP. TO ENSURE LIMIT SWITCH
RIDES ALONG TARGET 1433391
TORQUE M12 SCREWS TO
75 FT-LBS USE LOCTITE 243
15
2X
14
8
2X
10
2X
9
2X
SCHEMATIC AND TABLE FOR REFERENCE ONLY

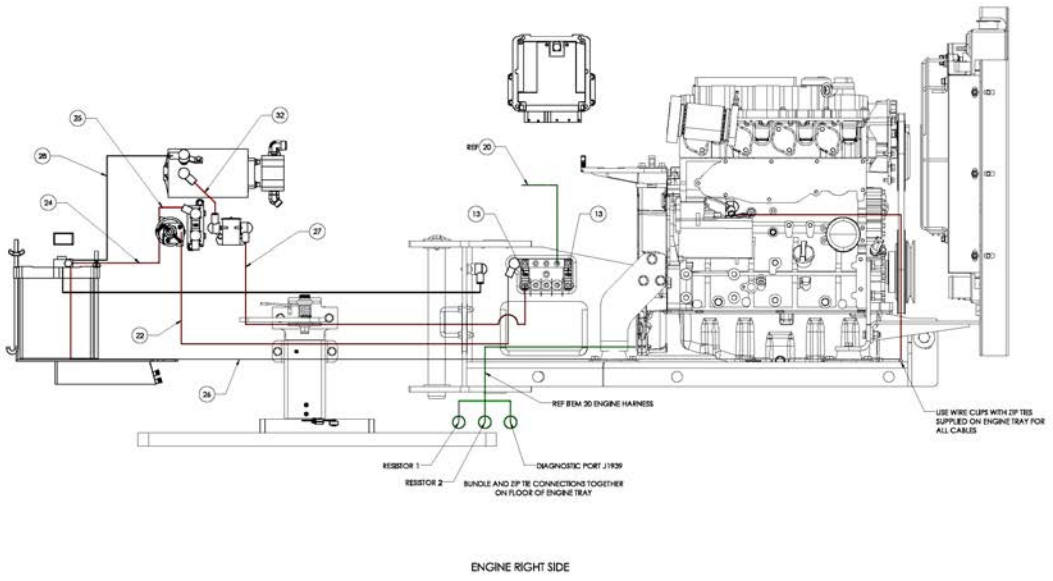
アイテム	部品番号	名前	数量	UOM
*	1433292 C	TURNTABLE ELECTRICAL HARNESS INSTALLATION 400S 460SJ		EA
1	09-0706-R	RUBBER BOOT (RED)	1	EA
2	09-0706-B	RUBBER BOOT (BLACK)	1	EA
3	3220325	BOOT EYELET TERM 4-1 AWG RED	11	EA
4	3220322	BOOT EYELET TERM 4-1 AWG BLACK	4	EA
5	056069-012	WASHER DIN125A M12 ZP	1	EA
6	10406-016	SCREW M12-1.75 HHC X 16MM LG	1	EA
7	3014764	HARNESS, ELEV SWITCH DT06-4S	1	EA
8	5563249	SHCS M4 X 0.7X 25 G8.8 ZP-BRIG	2	EA
9	056069-005	Washer SteelFlatWasher DIN125A	3	EA
10	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	2	EA
11	3220344	CLIP-HARNESS .04-.25 THK	2	EA
12	3014762	HARNESS, LWR CTL TO PRS SW	1	EA
13	13006-006	150 AMP FUSE	2	EA
14	1433391	TARGET, SLEW SENSOR	1	EA
15	5563964	FSHCS M12 X 1.75 X 60 CLASS 10.9 DIN 7991	2	EA
16	3014796	HARNESS MAIN MANIFOLD 660SJ CMNS	1	EA
17	1433561	HARNESS GLOW PLUG DEUTZ	1	EA
18	1433614	HARNESS, GND CTRL TO SLEW ANGL	1	EA
19	058490-016	BOLT, HEXSETSCREW DIN 933 M5	1	EA
20	1433560	HARNESS ENGINE DEUTZ D2.9	1	EA
21	1432674	HARNESS-HYD COOLER	1	EA

アイテム	部品番号	名前	数量	UOM
22	3014814	CABLE, DISCONN TO ALT FUSE HLD	1	EA
23	3014815	CABLE, ALT TO ALT FUSE HOLDER	1	EA
24	3014816	CABLE, BATT TO DISCONNECT SW	1	EA
25	3014817	CABLE, FUSE BLK TO DISC SWITCH	1	EA
26	3014831	CABLE, BATTERY TO START RELAY	1	EA
27	3014819	CABLE, FUSE BLOCK TO RELAY	2	EA
28	3014822	CABLE, EMER PWR UNIT TO BATTER	1	EA
29	3014823	CABLE, GROUND POST TO BATTERY	1	EA
30	3014824	CABLE, ALTERNATOR TO GND STUD	1	EA
31	3014825	CABLE, EMR PWR RLY TO EMR MTR	1	EA
32	3014799	CABLE FUSE TO EMERGENCY POWER RELAY	1	EA
33	14475-002	CLAMP BATT POST NEG 23399-3	1	EA
34	14475-001	CLAMP BATT POST POS 23399-4	1	EA
35	056069-006	WSHR STEELFLATWSHE M6 DIN125A	1	EA
36	058491-016	BOLT HEXSETSCREW DIN933 M6 X 16MM 8.8 ZP	1	EA
37	12139-999	GUARD HOSE WRAP SL-3.0-1050B	13	EA
38	5093007	CLP CUSH 1.00 VINYL COATED	3	EA
39	510587-025	BLT HEXSETSCREW DIN961 M10 X 1.25X	4	EA
40	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	6	EA

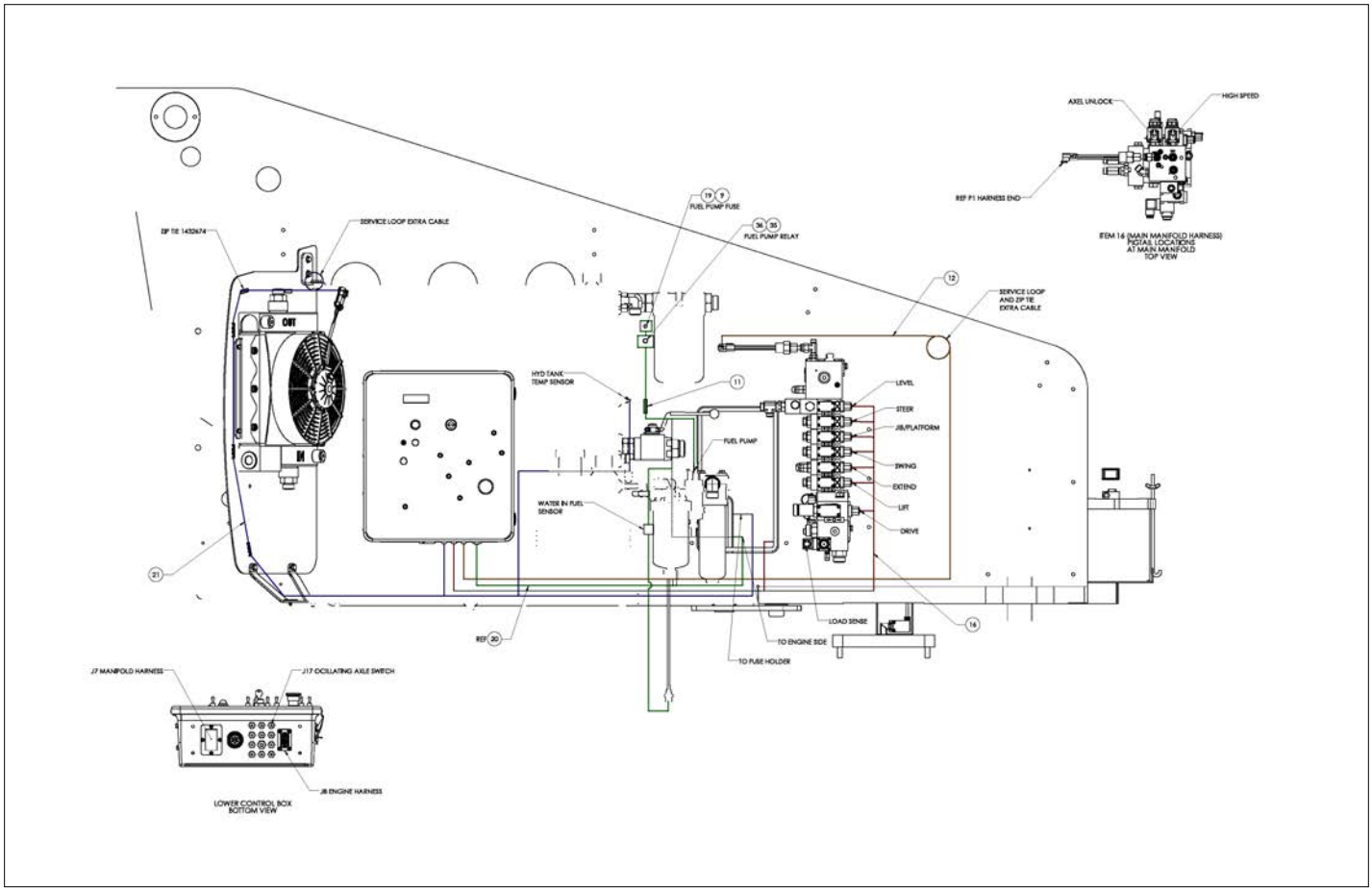
アイテム	部品番号	名前	数量	UOM
41	056060-040	Bolt, HexBolt DIN931 M10 x 40m 8.8 ZP	1	EA
42	9960023	PYTHON STRAP, ADJUSTABLE 1-1.5	3	EA
43	5563556	NUT HEX M10X1.5 YL ZN GR10.9	1	EA
44	058493-025	HHCS M10 X 25MM GR10.9 DIN933	2	EA
45	9960024	PYTHON STRAP, ADJUSTABLE 2-2.5	5	EA
46	058492-016	HHCS M8 x 1. 25 X 16GR 8.8 DIN933	3	EA
47	508247-010	Washer,PennyWasher, DIN9021,M1	2	EA
48	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	3	EA

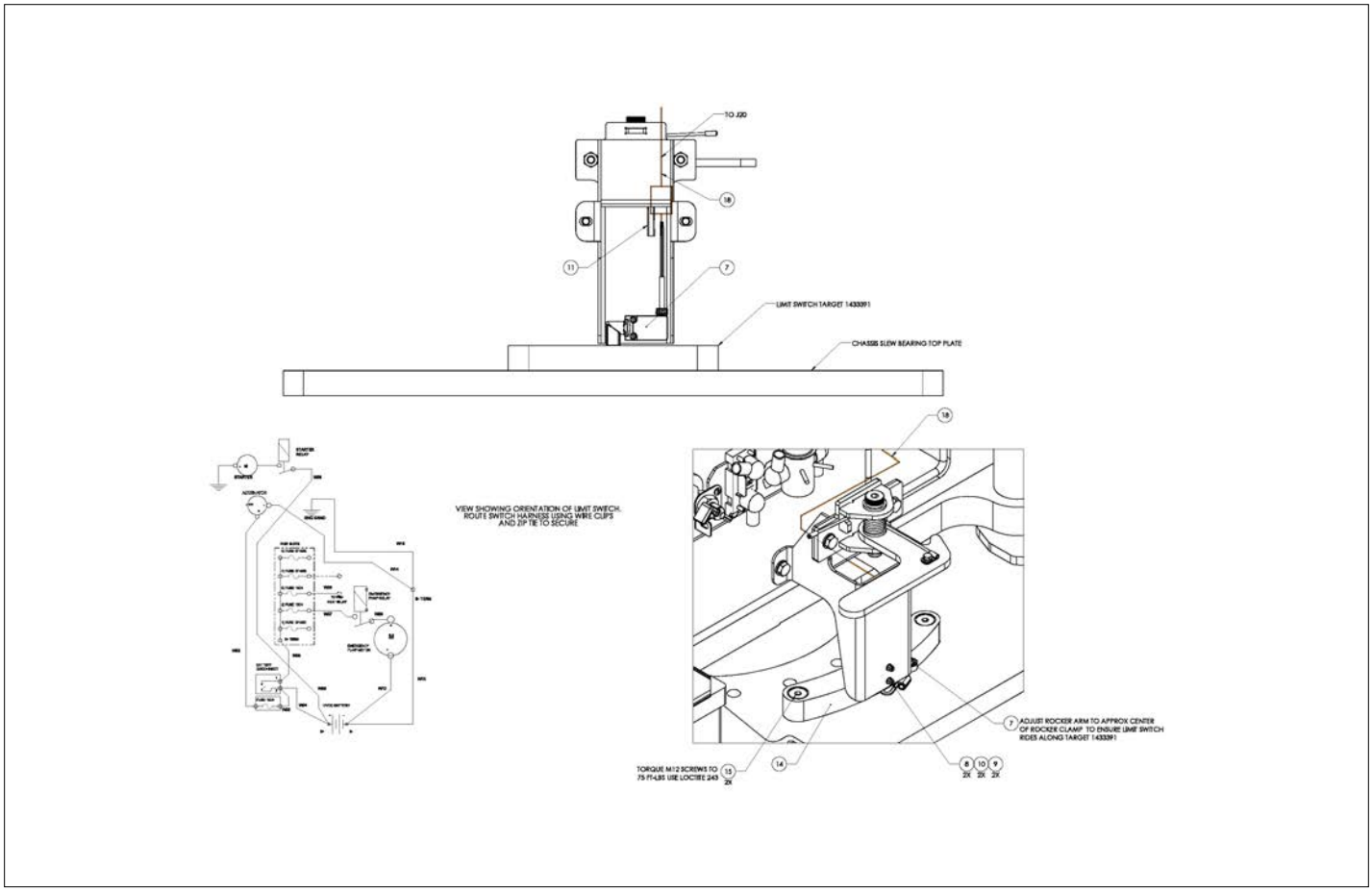
ELECTRICAL


NOTES:
1. DUST BOOTS REQUIRED AT ALL WIRE CABLE CONNECTIONS.
RED BOOT ITEM #3 P/N 3220325
BLACK BOOT ITEM #4 P/N 3220322
RADIATOR THERMOSTAT
GLOW PLUG RELAY
ALTERNATOR EXCITER
USE P CLAMP AND HARDWARE TO SECURE AND ROUTE HARNESS ALONG TURRET WALL 3 PLACES
E-PUMP RELAY
GROUND ITEM 31 TO ENGINE FLYWHEEL
ENGINE LEFT SIDE



ENGINE RIGHT SIDE

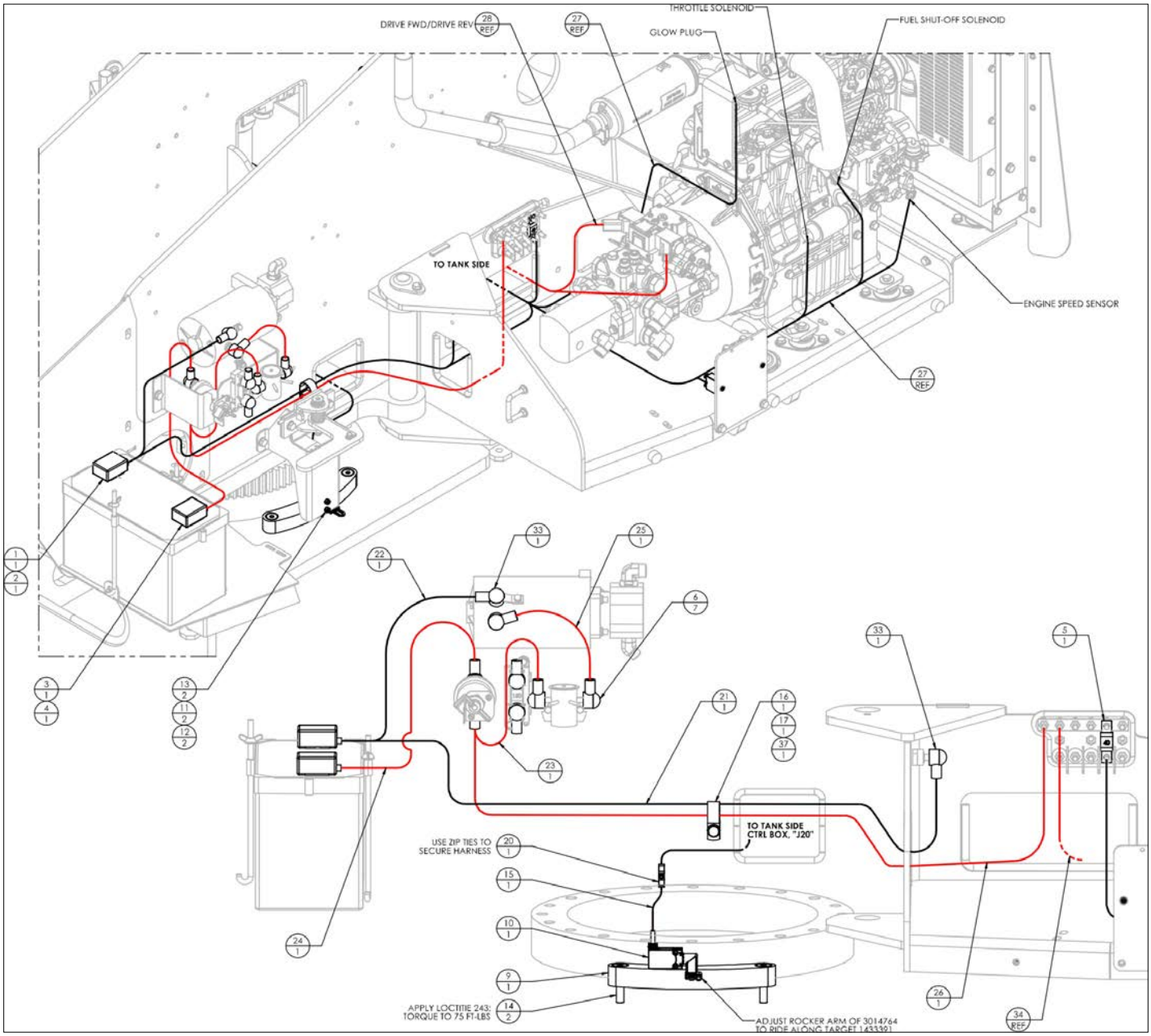

AXEL UNLOCK
HIGH SPEED
REF P1 HARNESS END
ITEM 16 (MAIN MANIFOLD HARNESS) PIGTAIL LOCATIONS AT MAIN MANIFOLD TOP VIEW
ZIP TIE 1432674
SERVICE LOOP EXTRA CABLE
19
9
FUEL PUMP FUSE
36
35
FUEL PUMP RELAY
12
SERVICE LOOP AND ZIP TIE EXTRA CABLE
HYD TANK TEMP SENSOR
11
LEVEL
STEER
JIB/PLATFORM
SWING
EXTEND
LIFT
DRIVE
FUEL PUMP
WATER IN FUEL SENSOR
21
REF 20
LOAD SENSE
16
TO ENGINE SIDE
TO FUSE HOLDER
J7 MANIFOLD HARNESS
J17 OCILLATING AXLE SWITCH
J8 ENGINE HARNESS
LOWER CONTROL BOX BOTTOM VIEW

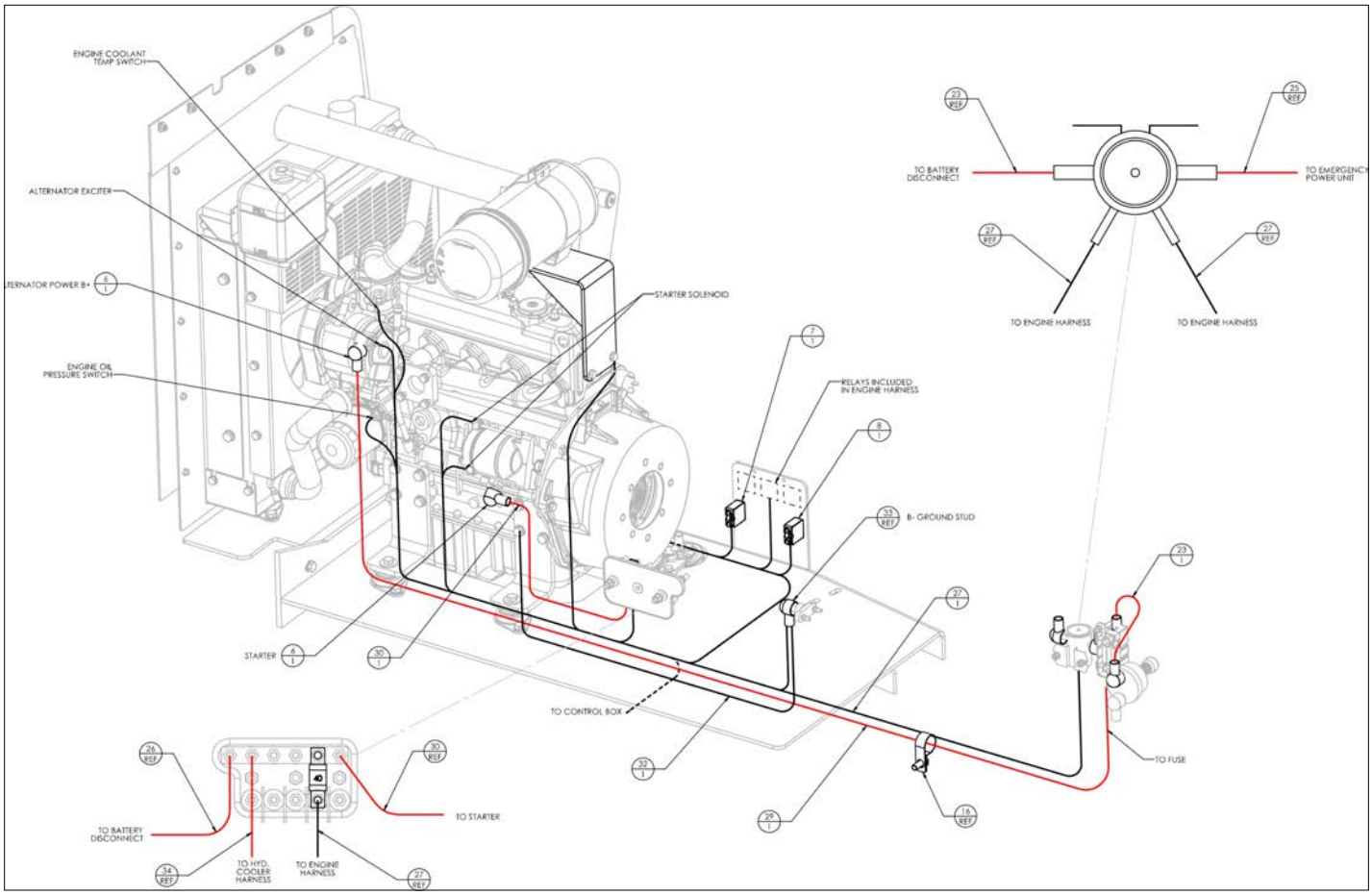

TO J2D
18
11
7
LIMIT SWITCH TARGET 1433291
CHASSIS SLEW BEARING TOP PLATE
VIEW SHOWING ORIENTATION OF LIMIT SWITCH. ROUTE SWITCH HARNESS USING WIRE CLIPS AND ZIP TIE TO SECURE
18
7 ADJUST ROCKER ARM TO APPROX CENTER OF ROCKER CLAMP TO ENSURE LIMIT SWITCH RIDES ALONG TARGET 1433291
TORQUE M12 SCREWS TO 75 FT-LBS USE LOCTITE 243
15 2X
14
8 2X
10 2X
9 2X

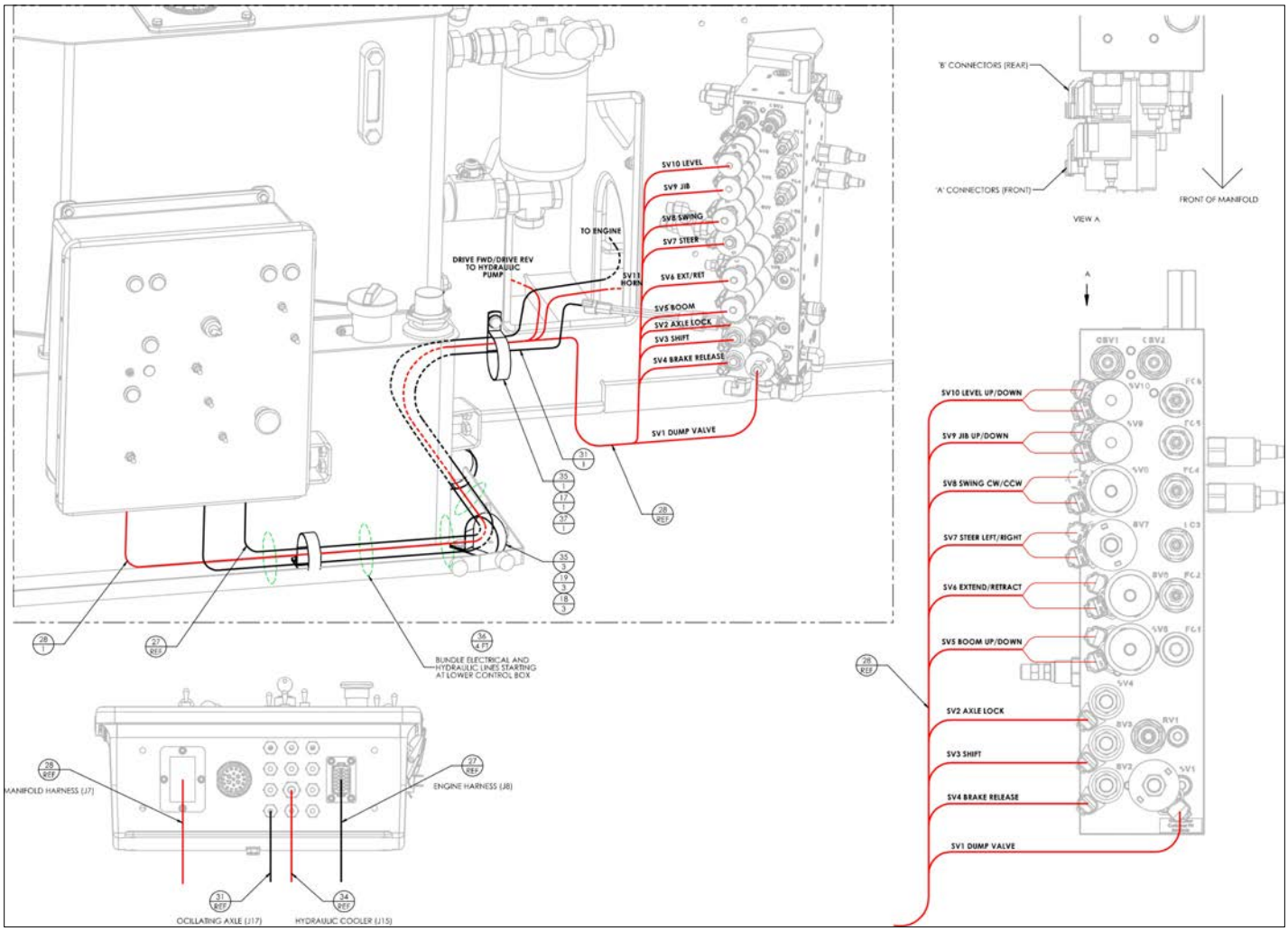
アイテム	部品番号	名前	数量	UOM
-	1433292A	TURNTABLE ELECTRICAL HARNESSES INSTALL 400S/460SJ		EA
1	09-0706-R	RUBBER BOOT (RED)	1	EA
2	09-0706-B	RUBBER BOOT (BLACK)	1	EA
3	3220325	BOOT EYELET TERM 4-1 AWG RED	11	EA
4	3220322	BOOT EYELET TERM 4-1 AWG BLACK	4	EA
5	056069-012	WASHER DIN125A M12 ZP	1	EA
6	10406-016	SCREW M12-1.75 HHC X 16MM LG	1	EA
7	3014764	HARNESS, ELEV SWITCH DT06-4S	1	EA
8	5563249	SHCS M4 X 0.7X 25 G8.8 ZP-BRIG	2	EA
9	056069-004	Wshr, SteelFlatWshr M4 DIN125	3	EA
10	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	2	EA
11	3220344	CLIP-HARNESS .04-.25 THK	2	EA
12	3014762	HARNESS, LWR CTL TO PRS SW	1	EA
13	13006-006	150 AMP FUSE	2	EA
14	1433391	TARGET, SLEW SENSOR	1	EA
15	5563964	FSHCS M12 X 1.75 X 60 CLASS 10.9 DIN 7991	2	EA
16	3014796	HARNESS MAIN MANIFOLD 660SJ CMNS	1	EA
17	1433561	HARNESS GLOW PLUG DEUTZ	1	EA
18	1433614	HARNESS, GND CTRL TO SLEW ANGL	1	EA
19	512459-016	BLT HEXHD M4 X 0.7 X 16MM DIN 933 8.8 ZP	1	EA
20	1433560	HARNESS ENGINE DEUTZ D2.9	1	EA
21	1432674	HARNESS-HYD COOLER	1	EA
22	3014814	CABLE, DISCONN TO ALT FUSE HLD	1	EA

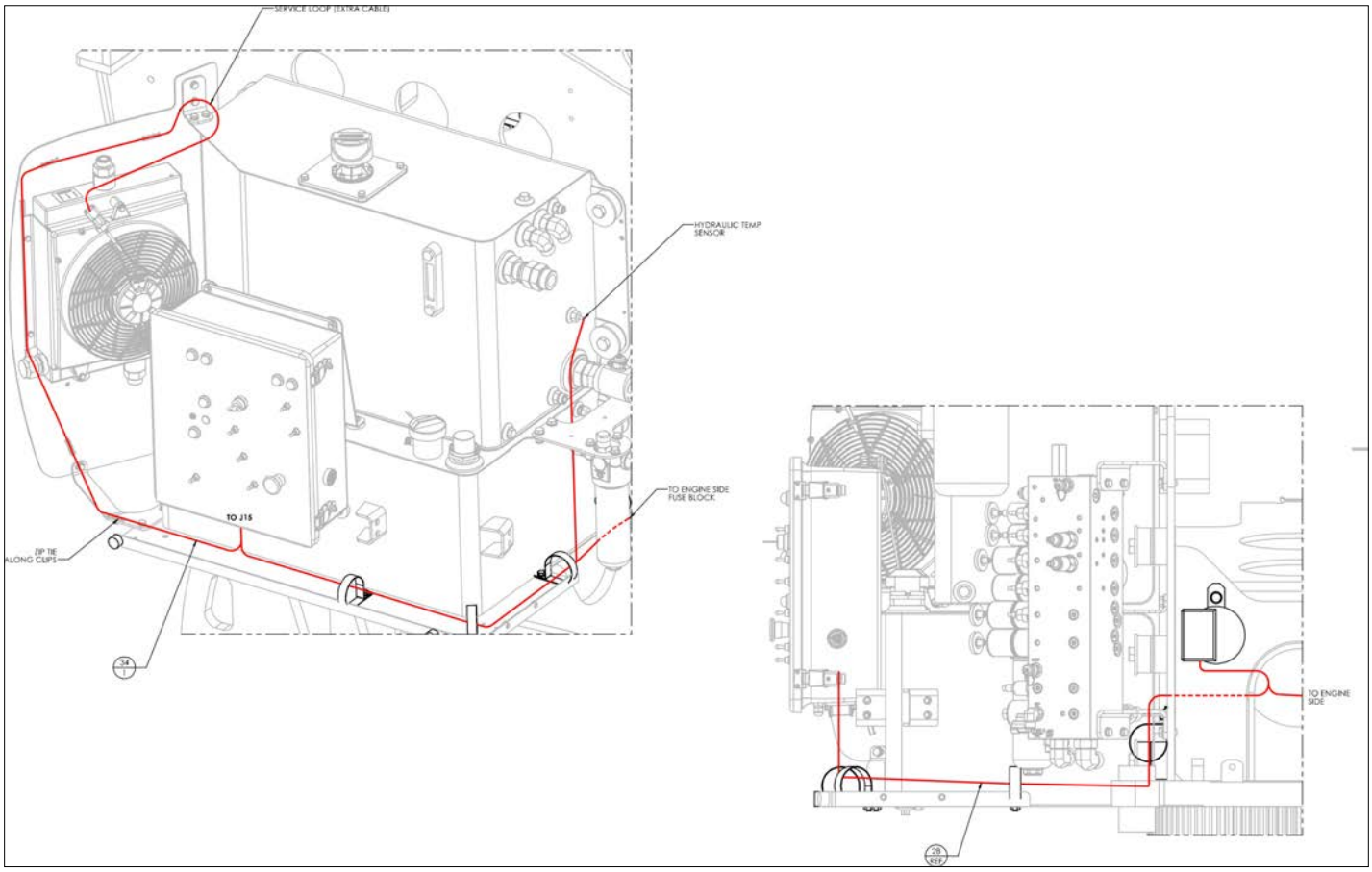
アイテム	部品番号	名前	数量	UOM
23	3014815	CABLE, ALT TO ALT FUSE HOLDER	1	EA
24	3014816	CABLE, BATT TO DISCONNECT SW	1	EA
25	3014817	CABLE, FUSE BLK TO DISC SWITCH	1	EA
26	3014818	CABLE, BATTERY TO START RELAY	1	EA
27	3014819	CABLE, FUSE BLOCK TO RELAY	1	EA
28	3014822	CABLE, EMER PWR UNIT TO BATTER	1	EA
29	3014823	CABLE, GROUND POST TO BATTERY	1	EA
30	3014824	CABLE, ALTERNATOR TO GND STUD	1	EA
31	3014825	CABLE, EMR PWR RLY TO EMR MTR	1	EA
32	3014799	CABLE FUSE TO EMERGENCY POWER RELAY	1	EA
33	14475-002	CLAMP BATT POST NEG 23399-3	1	EA
34	14475-001	CLAMP BATT POST POS 23399-4	1	EA
35	056069-006	WSHR STEELFLATWSHE M6 DIN125A	1	EA
36	058491-016	BOLT HEXSETSCREW DIN933 M6 X 16MM 8.8 ZP	1	EA

ELECTRICAL


DRIVE FWD/DRIVE REV
28 REF
27 REF
THROTTLE SOLENOID
GLOW PLUG
FUEL SHUT-OFF SOLENOID
TO TANK SIDE
ENGINE SPEED SENSOR
27 REF
1 1
2 1
3 1
4 1
13 2
11 2
12 2
22 1
33 1
25 1
6 7
23 1
21 1
16 1
17 1
37 1
33 1
5 1
TO TANK SIDE CTRL BOX, "J20"
USE ZIP TIES TO SECURE HARNESS
20 1
15 1
10 1
9 1
APPLY LOCTITE 243; TORQUE TO 75 FT-LBS
14 2
24 1
26 1
34 REF
ADJUST ROCKER ARM OF 3014764 TO RIDE ALONG TARGET 1453391


ENGINE COOLANT TEMP SWITCH
ALTERNATOR EXCITER
ENGINE OIL PRESSURE SWITCH
STARTER SOLENOID
RELAYS INCLUDED IN ENGINE HARNESS
B- GROUND STUD
STARTER
TO CONTROL BOX
TO FUSE
TO BATTERY DISCONNECT
TO EMERGENCY POWER UNIT
TO ENGINE HARNESS
TO ENGINE HARNESS
TO BATTERY DISCONNECT
TO HYD. COOLER HARNESS
TO ENGINE HARNESS
TO STARTER

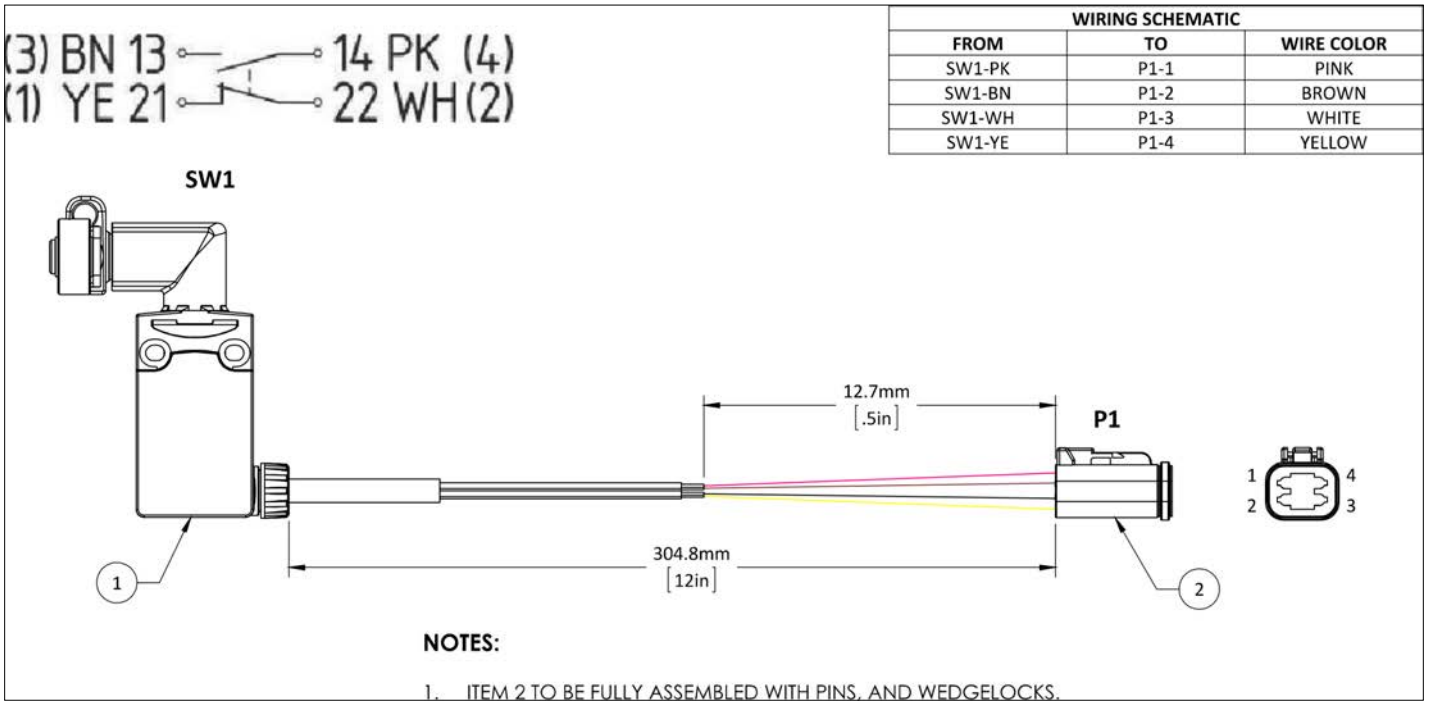

'B' CONNECTORS (REAR)
'A' CONNECTORS (FRONT)
FRONT OF MANIFOLD
VIEW A
SV10 LEVEL
SV9 JIB
SV8 SWING
SV7 STEER
SV6 EXT/RET
SV5 BOOM
SV2 AXLE LOCK
SV3 SHIFT
SV4 BRAKE RELEASE
SV1 DUMP VALVE
TO ENGINE
DRIVE FWD/DRIVE REV TO HYDRAULIC PUMP
SV11 HORN
BUNDLE ELECTRICAL AND HYDRAULIC LINES STARTING AT LOWER CONTROL BOX
MANIFOLD HARNESS (J7)
ENGINE HARNESS (J8)
OCILLATING AXLE (J17)
HYDRAULIC COOLER (J15)
SV10 LEVEL UP/DOWN
SV9 JIB UP/DOWN
SV8 SWING CW/CCW
SV7 STEER LEFT/RIGHT
SV6 EXTEND/RETRACT
SV5 BOOM UP/DOWN
SV2 AXLE LOCK
SV3 SHIFT
SV4 BRAKE RELEASE
SV1 DUMP VALVE


SERVICE LOOP (EXTRA CABLE)
HYDRAULIC TEMP SENSOR
TO ENGINE SIDE FUSE BLOCK
TO J15
ZIP TIE ALONG CLIPS
34
TO ENGINE SIDE
28

アイテム	部品番号	名前	数量	UOM
-	1434539 A	TURRET ELECTRICAL INSTALLATION 400/460 KUBOTA FEBURARY 2020 AND AFTER		EA
1	09-0706-B	RUBBER BOOT (BLACK)	1	EA
2	14475-002	CLAMP BATT POST NEG 23399-3	1	EA
3	09-0706-R	RUBBER BOOT (RED)	1	EA
4	14475-001	CLAMP BATT POST POS 23399-4	1	EA
5	13006-001	FUSE 40A BOLT IN	1	EA
6	3220325	BOOT EYELET TERM 4-1 AWG RED	9	EA
7	3041641	CIRCUIT BREAKER 40 AMP	1	EA
8	3040252	Circuit Breaker 15AMP	1	EA
9	1433391	TARGET, SLEW SENSOR	1	EA
10	3014764	HARNESS, ELEV SWITCH DT06-4S	1	EA
11	056069-005	Washer SteelFlatWasher DIN125A	2	EA
12	5563249	SHCS M4 X 0.7X 25 G8.8 ZP-BRIG	2	EA
13	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
14	5563964	FSHCS M12 X 1.75 X 60 CLASS 10.9 DIN 7991	2	EA
15	1433614	HARNESS, GND CTRL TO SLEW ANGL	1	EA
16	5093024	CLAMP	1	EA
17	058493-025	HHCS M10 X 25MM GR10.9 DIN933	2	EA
18	058492-016	HHCS M8 x 1. 25 X 16GR 8.8 DIN933	3	EA
19	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	3	EA
20	3220344	CLIP-HARNESS .04-.25 THK	1	EA

アイテム	部品番号	名前	数量	UOM
21	3014823	CABLE, GROUND POST TO BATTERY	1	EA
22	3014822	CABLE, EMER PWR UNIT TO BATTER	1	EA
23	3014814	CABLE, DISCONN TO ALT FUSE HLD	2	EA
24	3014816	CABLE, BATT TO DISCONNECT SW	1	EA
25	3014799	CABLE FUSE TO EMERGENCY POWER RELAY	1	EA
26	3014817	CABLE, FUSE BLK TO DISC SWITCH	1	EA
27	1434525	HARNESS, ENGINE, V1505 KUBOTA	1	EA
28	1434515	HARNESS, HYD MANIFOLD 400/460	1	EA
29	3014815	CABLE, ALT TO ALT FUSE HOLDER	1	EA
30	3014770	CABLE BATTERY TO DISCONNECT SWITCH	1	EA
31	3014762	HARNESS, LWR CTL TO PRS SW	1	EA
32	3014825	CABLE, EMR PWR RLY TO EMR MTR	1	EA
33	3220322	BOOT EYELET TERM 4-1 AWG BLACK	2	EA
34	1432674	HARNESS-HYD COOLER	1	EA
35	5093030	CLP CUSH 2.50 VINYL COATED	4	EA
36	12137-999	GUARD HOSE WRAP SL-2.5	4	EA
37	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	2	EA

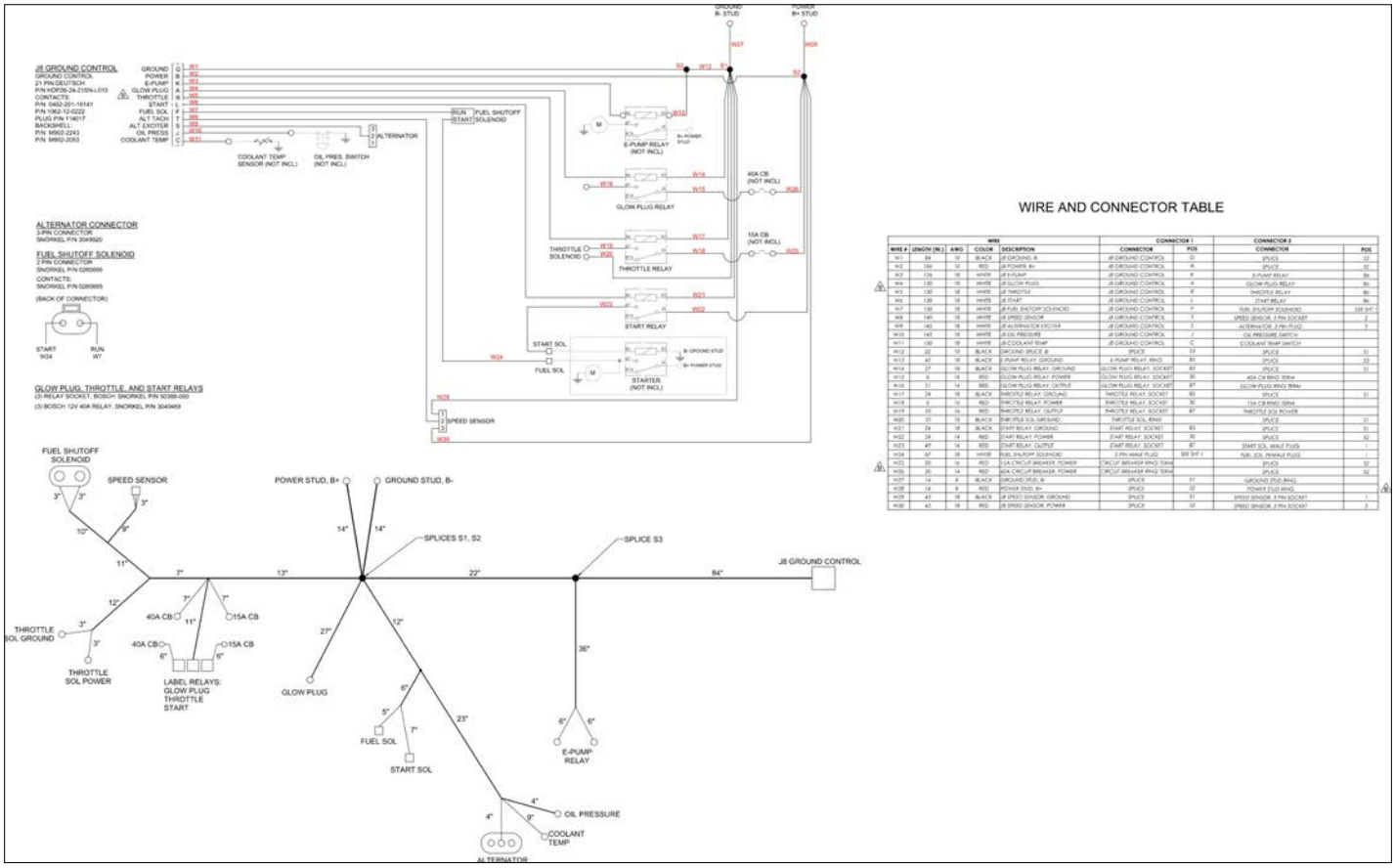
ELECTRICAL



WIRING SCHEMATIC		
FROM	TO	WIRE COLOR
SW1-PK	P1-1	PINK
SW1-BN	P1-2	BROWN
SW1-WH	P1-3	WHITE
SW1-YE	P1-4	YELLOW

アイテム	部品番号	名前	数量	UOM
-	3014764 B	ELEVATION SWITCH TO DT06-4S HARNESS		EA
1	3028869	SWITCH SAFETY SPDT SHMRSL PS116	1	EA
2	3049888	CONNECTOR 4-PIN	1	EA

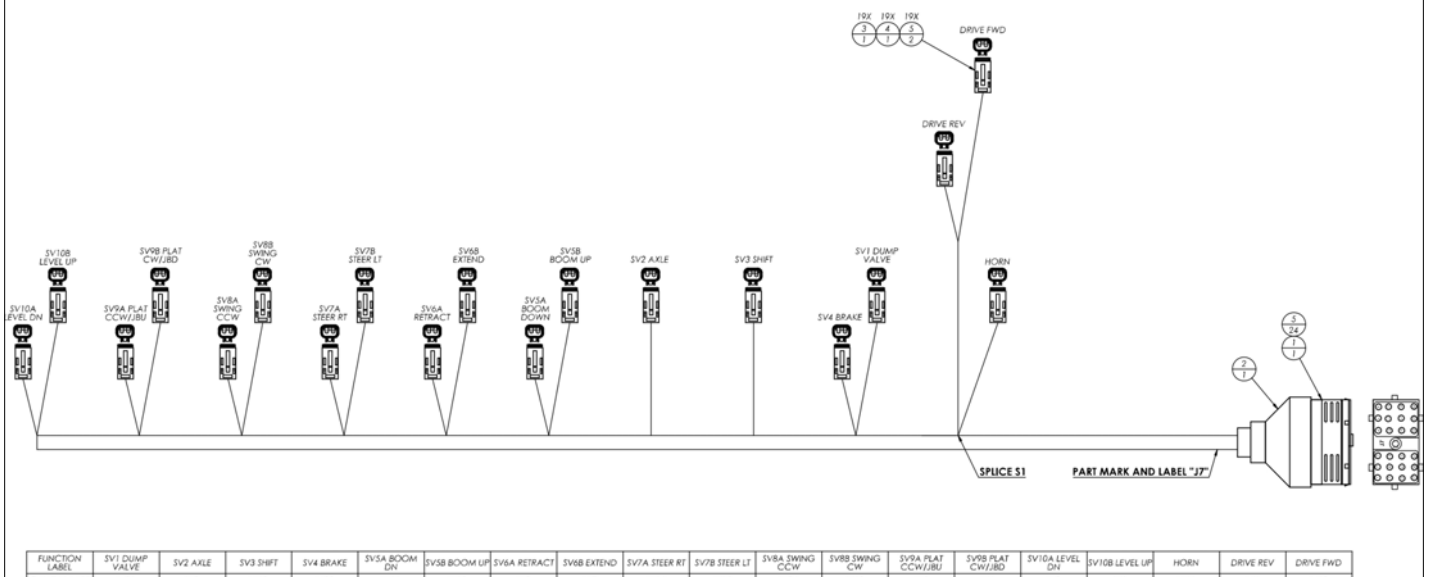
ELECTRICAL


J8 GROUND CONTROL
ALTERNATOR CONNECTOR
FUEL SHUTOFF SOLENOID
GLOW PLUG, THROTTLE, AND START RELAYS
E-PUMP RELAY (NOT INCL)
GLOW PLUG RELAY
THROTTLE RELAY
START RELAY
40A CB (NOT INCL)
15A CB (NOT INCL)
STARTER (NOT INCL)
ALTERNATOR
COOLANT TEMP SENSOR (NOT INCL)
OIL PRES. SWITCH (NOT INCL)
SPEED SENSOR
WIRE AND CONNECTOR TABLE
FUEL SHUTOFF SOLENOID
SPEED SENSOR
POWER STUD, B+
GROUND STUD, B-
SPLICES S1, S2
SPLICE S3
J8 GROUND CONTROL
THROTTLE SOL GROUND
THROTTLE SOL POWER
40A CB
15A CB
LABEL RELAYS: GLOW PLUG THROTTLE START
GLOW PLUG
FUEL SOL
START SOL
E-PUMP RELAY
OIL PRESSURE
COOLANT TEMP
ALTERNATOR

アイテム	部品番号	名前	数量	UOM
-	1434525 B	ENGINE HARNESS KUBOTA V1505 400S 460SJ FEBURARY 2020 AND AFTER		EA
1	3049920	CONNECTOR 3-PIN SUMITOMO	2	EA
2	0260696	CONNECTOR KCCP	A/R	EA
3	0260695	TERM KCCP	A/R	EA
4	50388-000	RELAY SOCKET, BOSH NOT SHOWN	3	EA
5	3040469	RELAY SPDT 12V 30AMP SONG	5	EA

ELECTRICAL

WIRE					CONNECTOR 1	CONNECTOR 2
WIRE #	LENGTH (IN.)	AWG	COLOR	DESCRIPTION	POS	POS
W1	87.5	18	WHITE	SV10B LEVEL UP, PWM OUTPUT	1	1
W2	85.5	18	WHITE	SV10A LEVEL DN, PWM OUTPUT	2	1
W3	123	18	BLACK	DRIVE REV, GROUND B-	3	2
W4	123	18	WHITE	DRIVE REV, PWM OUTPUT	4	1
W5	83.5	18	WHITE	SV9A PLAT CCW/JBU, PWM OUTPUT	5	1
W6	85.5	18	WHITE	SV9B PLAT CW/JBD, PWM OUTPUT	6	1
W7	79.5	18	WHITE	SV6B EXTEND, PWM OUTPUT	7	1
W8	77.5	18	WHITE	SV6A RETRACT, PWM OUTPUT	8	1
W9	75.5	18	WHITE	SV2 AXLE, PWM OUTPUT	9	1
W10	78	18	WHITE	SV5B BOOM UP, PWM OUTPUT	10	1
W11	76	18	WHITE	SV5A BOOM DN, PWM OUTPUT	11	1
W12	83.5	18	WHITE	SV8B SWING CW, PWM OUTPUT	12	1
W13	83.5	18	BLACK	SV8B SWING CW, GROUND	13	2
W14	79.5	18	WHITE	SV7A STEER RT, PWM OUTPUT	14	1
W15	81.5	18	WHITE	SV7B STEER LT, PWM OUTPUT	15	1
W16	106	18	WHITE	HORN, 2A OUTPUT	16	1
W17	134	18	BLACK	DRIVE FWD, GROUND B-	17	2
W18	134	18	WHITE	DRIVE FWD, PWM OUTPUT	18	1
W19	73.5	18	WHITE	SV3 SHIFT, 2A OUTPUT	19	1
W20	70	18	WHITE	SV4 BRAKE, 2A OUTPUT	20	1
W21	72	18	WHITE	SV1 DUMP VALVE, PWM OUTPUT	21	1
W22	62	18	BLACK	GROUND, B-	22	S1
W23	81.5	18	BLACK	SV8A SWING CCW, GROUND	23	2
W24	81.5	18	WHITE	SV8A SWING CCW, PWM OUTPUT	24	1
W25	25.5	18	BLACK	SV10B LEVEL UP, GROUND B-	S1	2
W26	23.5	18	BLACK	SV10A LEVEL DOWN, GROUND B-	S1	2
W27	21.5	18	BLACK	SV9A PLAT CCW/JBU, GROUND B-	S1	2
W28	23.5	18	BLACK	SV9B PLAT CW/JBD, GROUND B-	S1	2
W29	17.5	18	BLACK	SV6B EXTEND, GROUND B-	S1	2
W30	15.5	18	BLACK	SV6A RETRACT, GROUND	S1	2
W31	13.5	18	BLACK	SV2 AXLE, GROUND B-	S1	2
W32	16	18	BLACK	SV5B BOOM UP, GROUND B-	S1	2
W33	14	18	BLACK	SV5A BOOM DN, GROUND B-	S1	2
W34	17.5	18	BLACK	SV7A STEER RT, GROUND B-	S1	2
W35	19.5	18	BLACK	SV7B STEER LT, GROUND B-	S1	2
W36	44	18	BLACK	HORN, GROUND B-	S1	2
W37	11.5	18	BLACK	SV3 SHIFT, GROUND B-	S1	2
W38	8	18	BLACK	SV4 BRAKE, GROUND B-	S1	2
W39	10	18	BLACK	SV1 DUMP VALVE, GROUND B-	S1	2

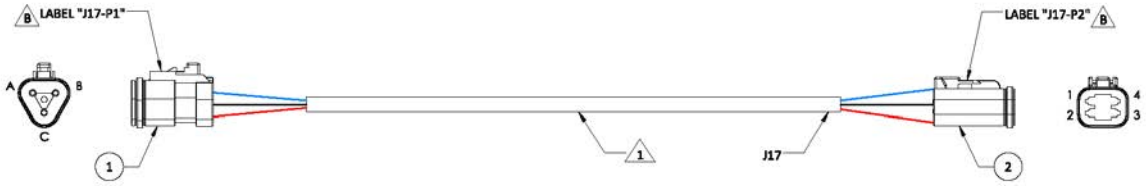


FUNCTION LABEL	SV1 DUMP VALVE	SV2 AXLE	SV3 SHIFT	SV4 BRAKE	SV5A BOOM DN	SV5B BOOM UP	SV6A RETRACT	SV6B EXTEND	SV7A STEER RT	SV7B STEER LT	SV8A SWING CCW	SV8B SWING CW	SV9A PLAT CCW/JBU	SV9B PLAT CW/JBD	SV10A LEVEL DN	SV10B LEVEL UP	HORN	DRIVE REV	DRIVE FWD
CAVITY 1 WIRE	W21	W9	W19	W20	W11	W10	W8	W7	W14	W15	W24	W12	W5	W6	W2	W1	W16	W4	W18
CAVITY 2 WIRE	W39	W31	W37	W38	W33	W32	W30	W29	W34	W35	W23	W13	W27	W28	W26	W25	W36	W3	W17

アイテム	部品番号	名前	数量	UOM
-	1434515 A	HYDRAULIC MANIFOLD HARNESS 400S 460SJ		EA
1	015790-012	CONNECTOR, 24-PIN	1	EA
2	015790-013	BOOT BLACK	1	EA
3	3049803	CONNECTOR 2-PIN DEUTSCH PLUG	19	EA
4	3049807	LOCK WEDGE 2-PIN DEUTSCH PLUG	19	EA
5	3040342	SOCKET CONTACT SIZE 16 16/18GA	62	EA

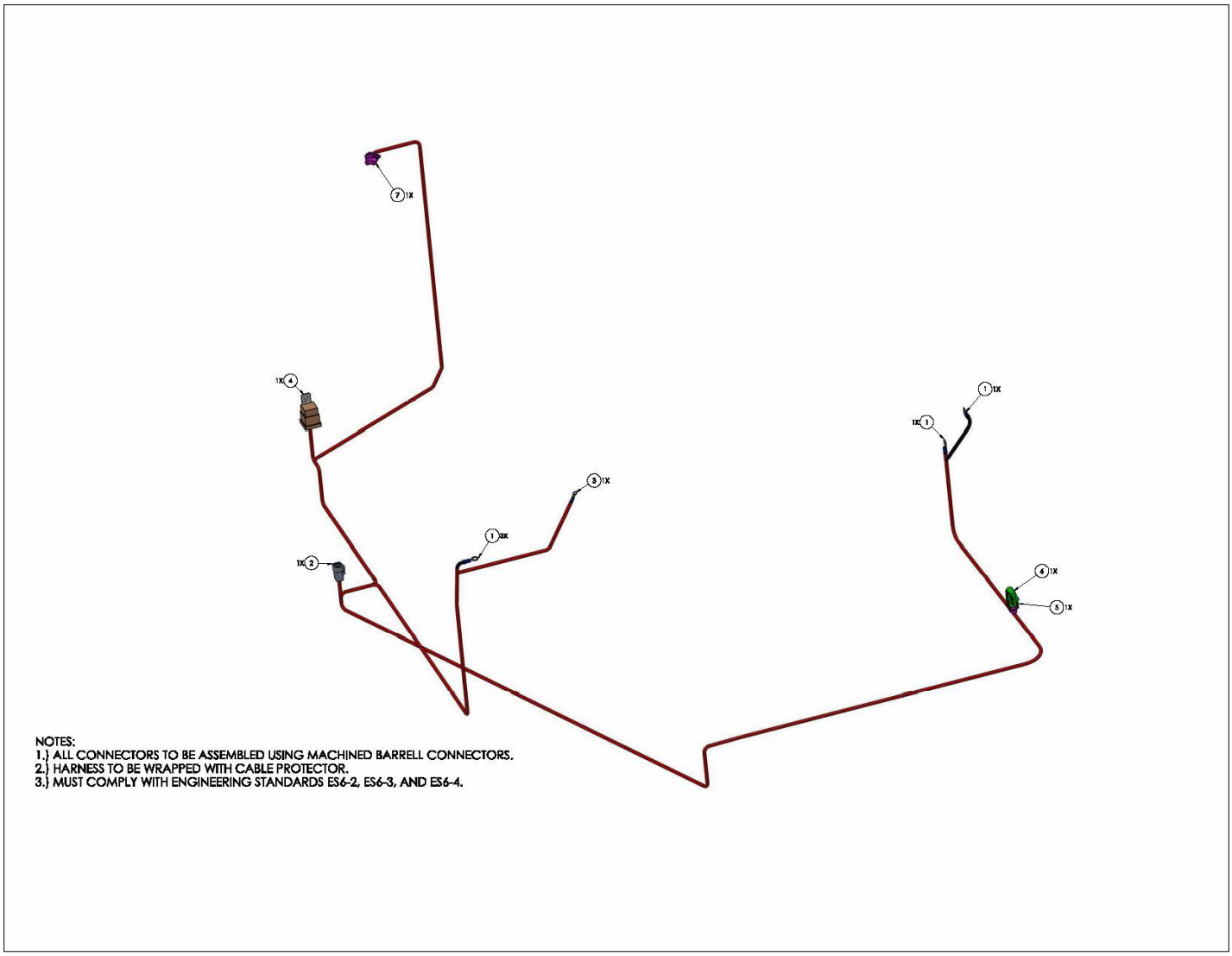
ELECTRICAL

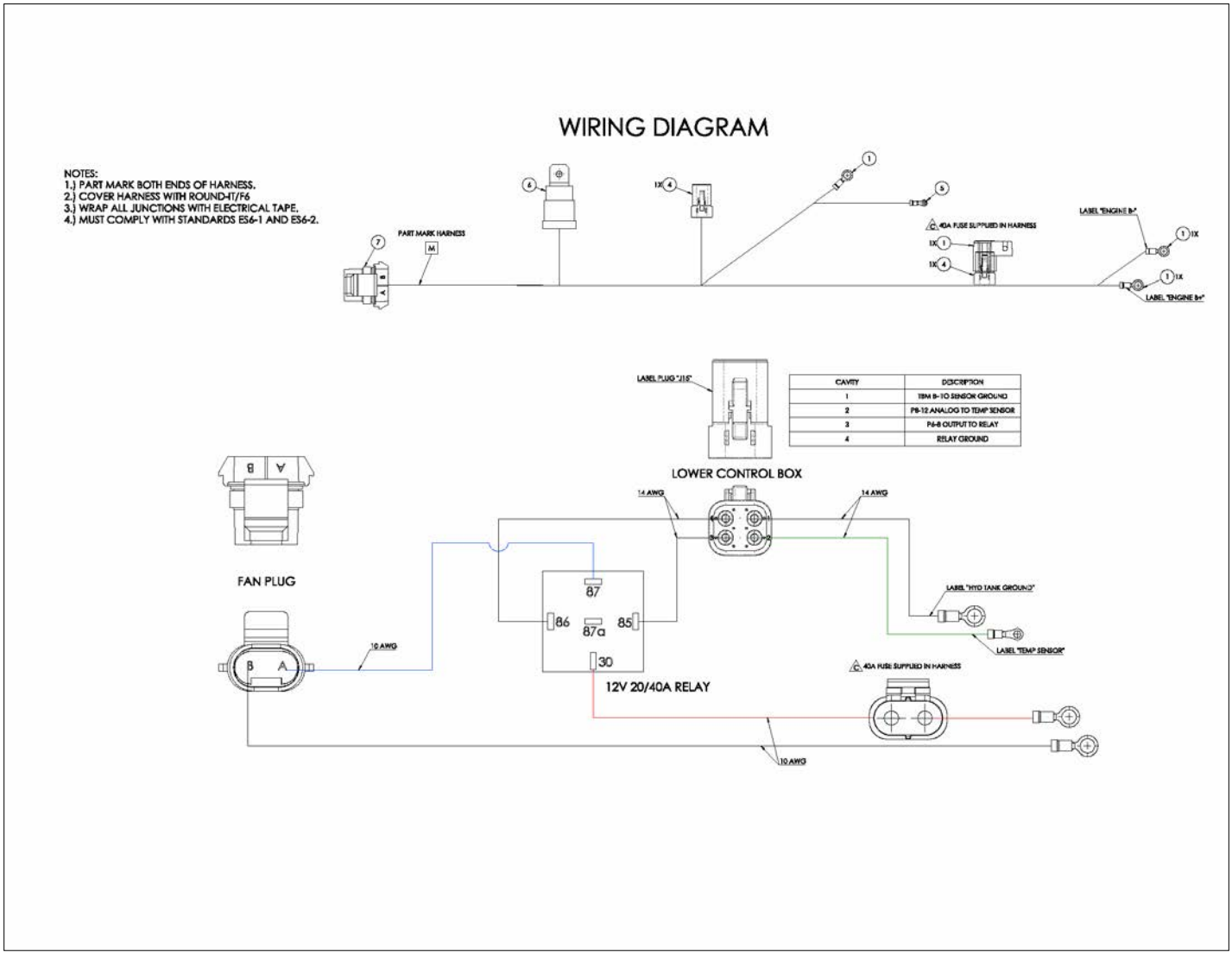
WIRING SCHEMATIC				
FROM	TO	DESIGINATION	AWG	WIRE COLOR
P1-A	P2-1	NO	16	RED
P1-B	P2-2	GROUND	16	BLK
P1-C	P2-3	NC	16	BLU



アイテム	部品番号	名前	数量	UOM
-	3014762 B	LOWER CONTROL TO PRESSURE SWITCH HARNESS		EA
1	3028872	CONNECTOR, 3-WAY PLUG GREY	1	EA
2	3049888	CONNECTOR 4-PIN	1	EA

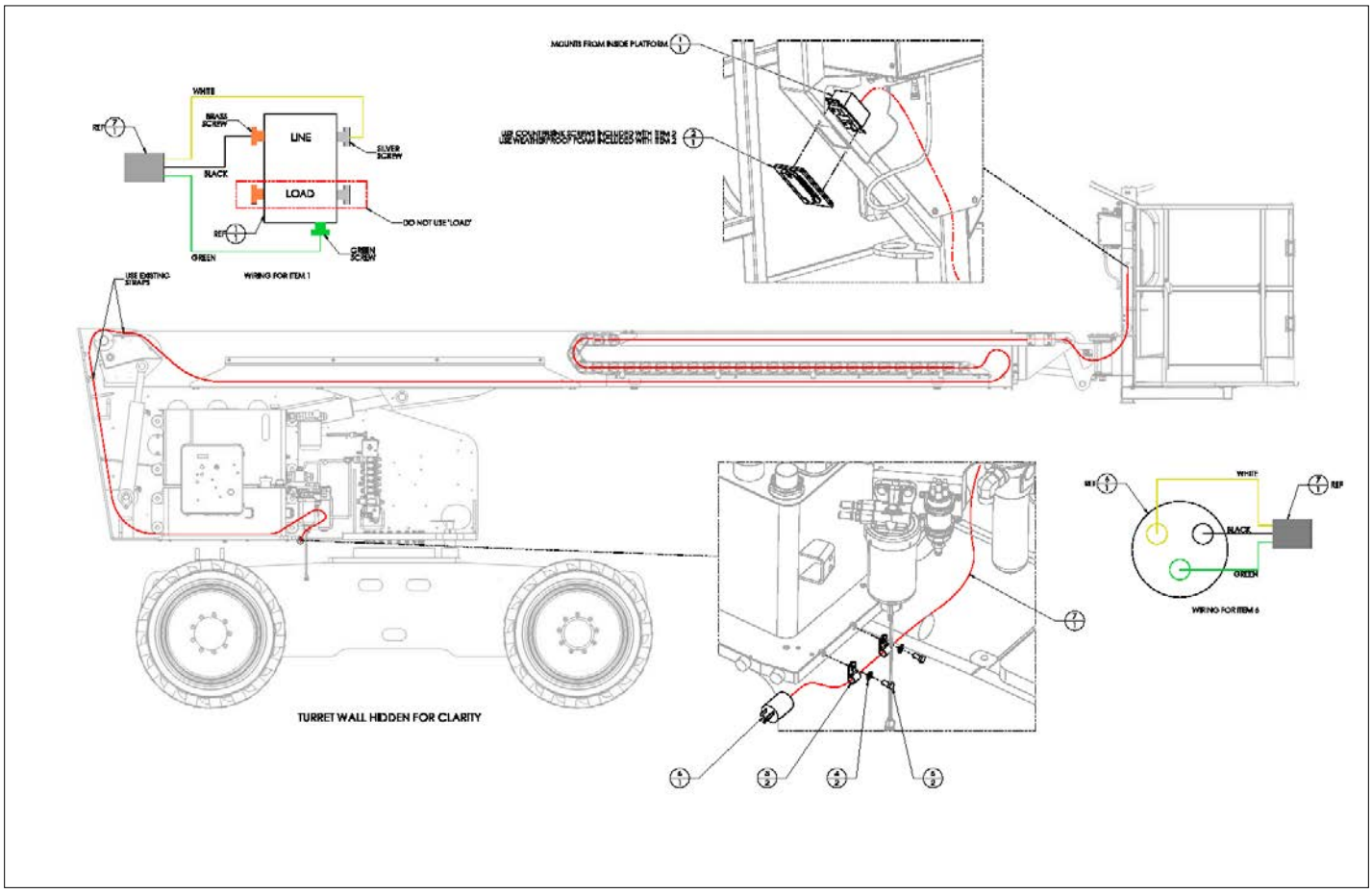
ELECTRICAL


7 1X
4 1X
3 1X
1 10X
2 1X
1 1X
1 1X
6 1X
5 1X
NOTES:
1.) ALL CONNECTORS TO BE ASSEMBLED USING MACHINED BARRELL CONNECTORS.
2.) HARNESS TO BE WRAPPED WITH CABLE PROTECTOR.
3.) MUST COMPLY WITH ENGINEERING STANDARDS ES6-2, ES6-3, AND ES6-4.


WIRING DIAGRAM
NOTES:
1.) PART MARK BOTH ENDS OF HARNESS.
2.) COVER HARNESS WITH ROUND-IT/F6
3.) WRAP ALL JUNCTIONS WITH ELECTRICAL TAPE.
4.) MUST COMPLY WITH STANDARDS ES6-1 AND ES6-2.
PART MARK HARNESS
M
LABEL "ENGINE B+"
LABEL "ENGINE B+"
LABEL "PLUG "J15"
CAVITY
DESCRIPTION
1
TBM B- TO SENSOR GROUND
2
P8-12 ANALOG TO TEMP SENSOR
3
P6-8 OUTPUT TO RELAY
4
RELAY GROUND
LOWER CONTROL BOX
14 AWG
14 AWG
LABEL "HYD TANK GROUND"
LABEL "TEMP SENSOR"
FAN PLUG
10 AWG
87
86
87a
85
30
12V 20/40A RELAY
10 AWG

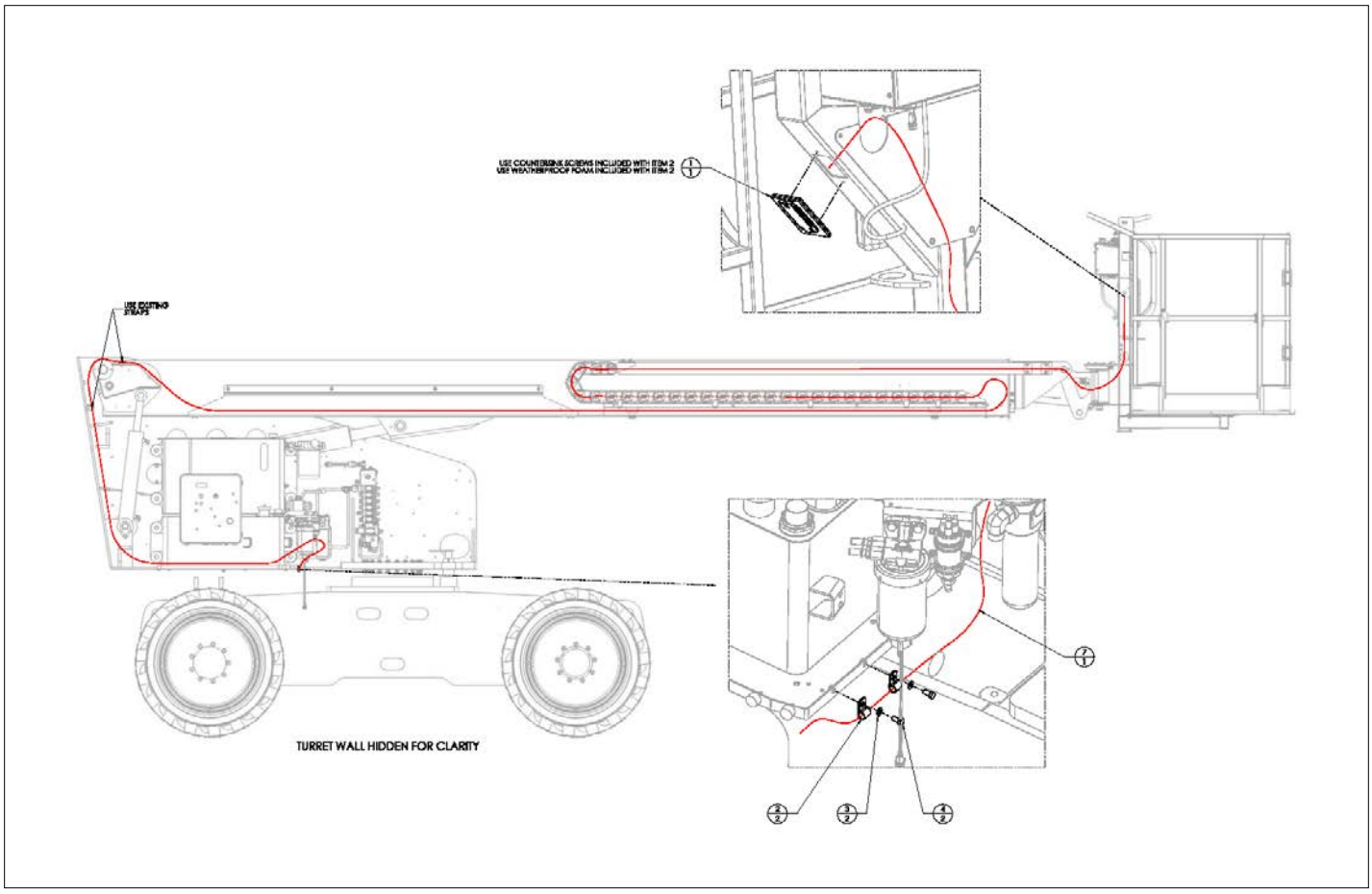
アイテム	部品番号	名前	数量	UOM
-	1432674 E	HARNESS, HYDRAULIC COOLER		EA
1	3048836	RING TERMINAL 10-12 AWG, .375 STUD	3	EA
2	12555-011	DEUTSCH, 4-PIN, MALE PLUG	1	EA
3	3044161	TERM R10I 16/14	1	EA
4	3028885	RELAY 12V 20/40A	1	EA
5	3220299	CONNECTOR, DELPHI METRI-PACK	1	EA
6	3220337	FUSE HOLDER, 30A 12V	1	EA
7	3220351	CONNECTOR, DELPHI	1	EA

ELECTRICAL


MOUNTS FROM INSIDE PLATFORM
WHITE
BRASS SCREW
LINE
SILVER SCREW
BLACK
LOAD
DO NOT USE "LOAD"
GREEN
WIRING FOR ITEM 1
USE EXISTING STRAPS
TURRET WALL HIDDEN FOR CLARITY
WHITE
BLACK
GREEN
WIRING FOR ITEM 6

アイテム	部品番号	名前	数量	UOM
-	1433295A	AC POWER TO PLATFORM INSTALL 400S		EA
1	3040624	Recepticle Outlet 20AMP	1	EA
2	3040625	Enclosure Face	1	EA
3	5093002	CLAMP .562 AEROQUIP HOSE SUPPORT	2	EA
4	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	2	EA
5	510681-016	HHCS M8X1.25X16 G10.9 ISO 4014	2	EA
6	3220342	PLUG MALE CONNECTOR 125VAC	1	EA
7	1433751	CABLE, SOOW 12/3 P2P 400S	1	EA

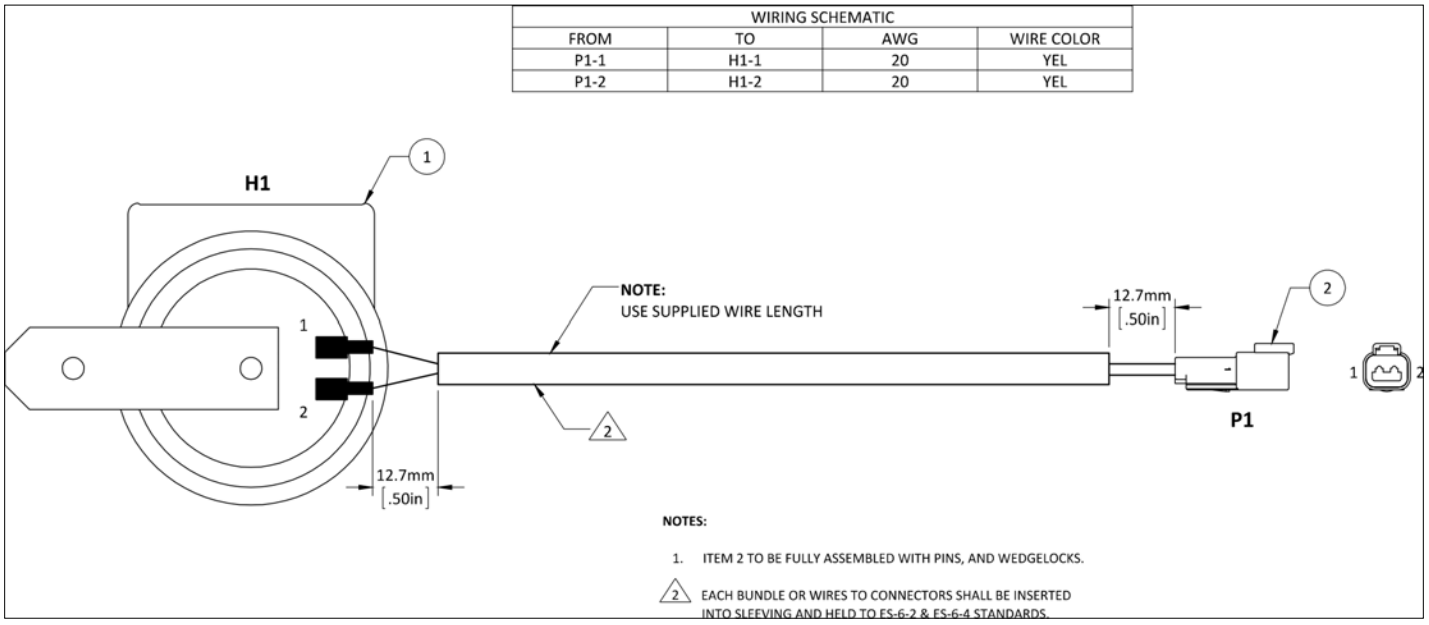
ELECTRICAL



アイテム	部品番号	名前	数量	UOM
-	1433756A	AC POWER TO PLATFORM EXPORT INSTALL 400S		EA
1	3040625	Enclosure Face	1	EA
2	5093002	CLAMP .562 AEROQUIP HOSE SUPPORT	2	EA
3	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	2	EA
4	510681-016	HHCS M8X1.25X16 G10.9 ISO 4014	2	EA
5	1433751	CABLE, SOOW 12/3 P2P 400S	1	EA

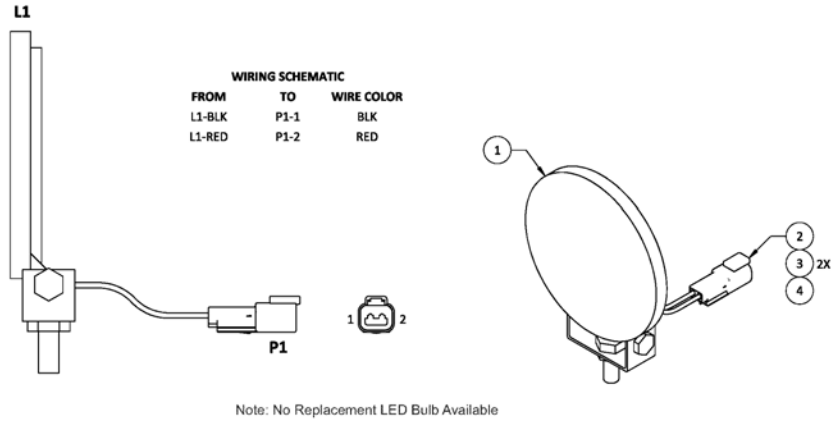
ELECTRICAL

WIRING SCHEMATIC			
FROM	TO	AWG	WIRE COLOR
P1-1	H1-1	20	YEL
P1-2	H1-2	20	YEL



アイテム	部品番号	名前	数量	UOM
-	3014787 A	HORN ASSEMBLY		EA
1	3028879	CNCTR 2WAY PLUG GREY DT04-2P	1	EA
2	3040127	HORN 12VDC	1	EA

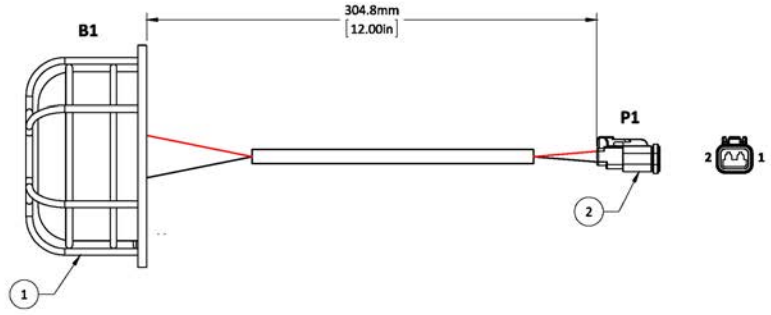
ELECTRICAL


L1
WIRING SCHEMATIC
FROM TO WIRE COLOR
L1-BLK P1-1 BLK
L1-RED P1-2 RED
P1
1
2
1
2
3
4
2X
Note: No Replacement LED Bulb Available

アイテム	部品番号	名前	数量	UOM
-	3069545A	LED LIGHT ASSEMBLY		EA
1	3069528	LED WORK LIGHTS	1	EA
2	12556-009	RECEPTACLE 2 WIRE DT04-2P*****	1	EA
3	12554-025	PIN SIZE-16 (14GA) DT	2	EA
4	12556-016	WEDGELOCK FOR DT04-2P********	1	EA

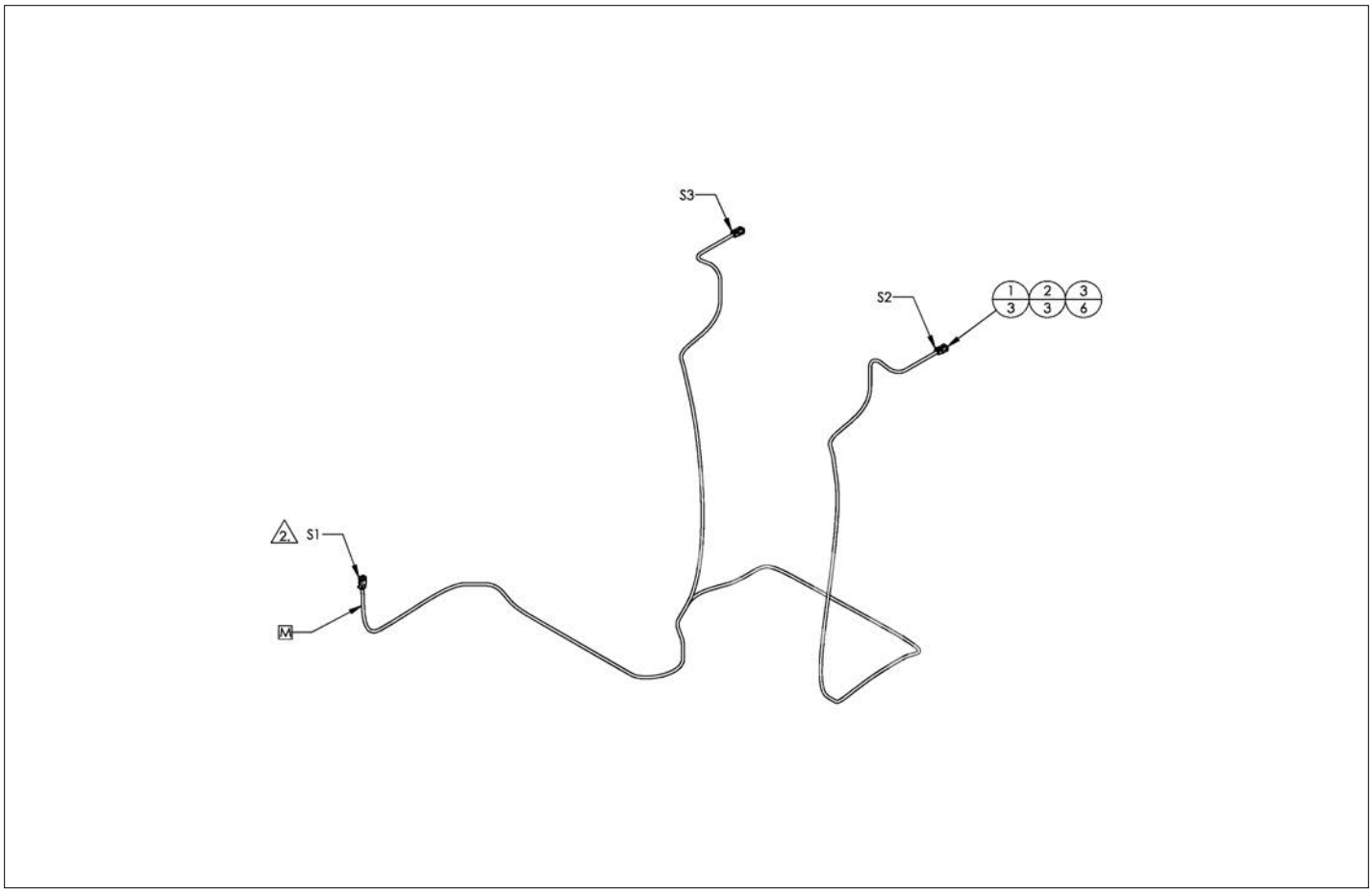
ELECTRICAL

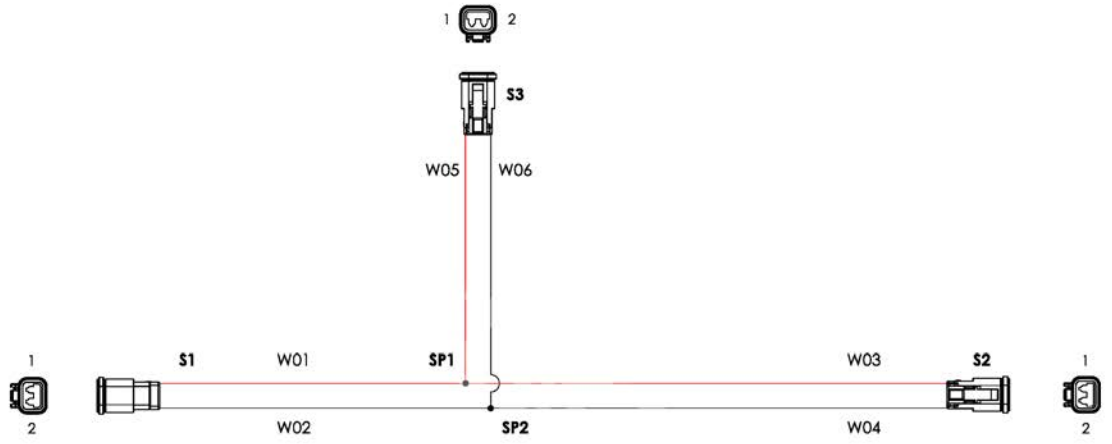
WIRING SCHEMATIC				
FROM	TO	DESIGINATION	AWG	WIRE COLOR
B1-RED	P1-1	VIN+	20	RED
B1-BLK	P1-2	VIN-	20	BLK



アイテム	部品番号	名前	数量	UOM
-	3014765 A	BEACON LIGHT HARNESS		EA
1	514404-001	FLASHING BEACON BLUE	1	EA
2	3028878	DEUTSCH	1	EA

ELECTRICAL

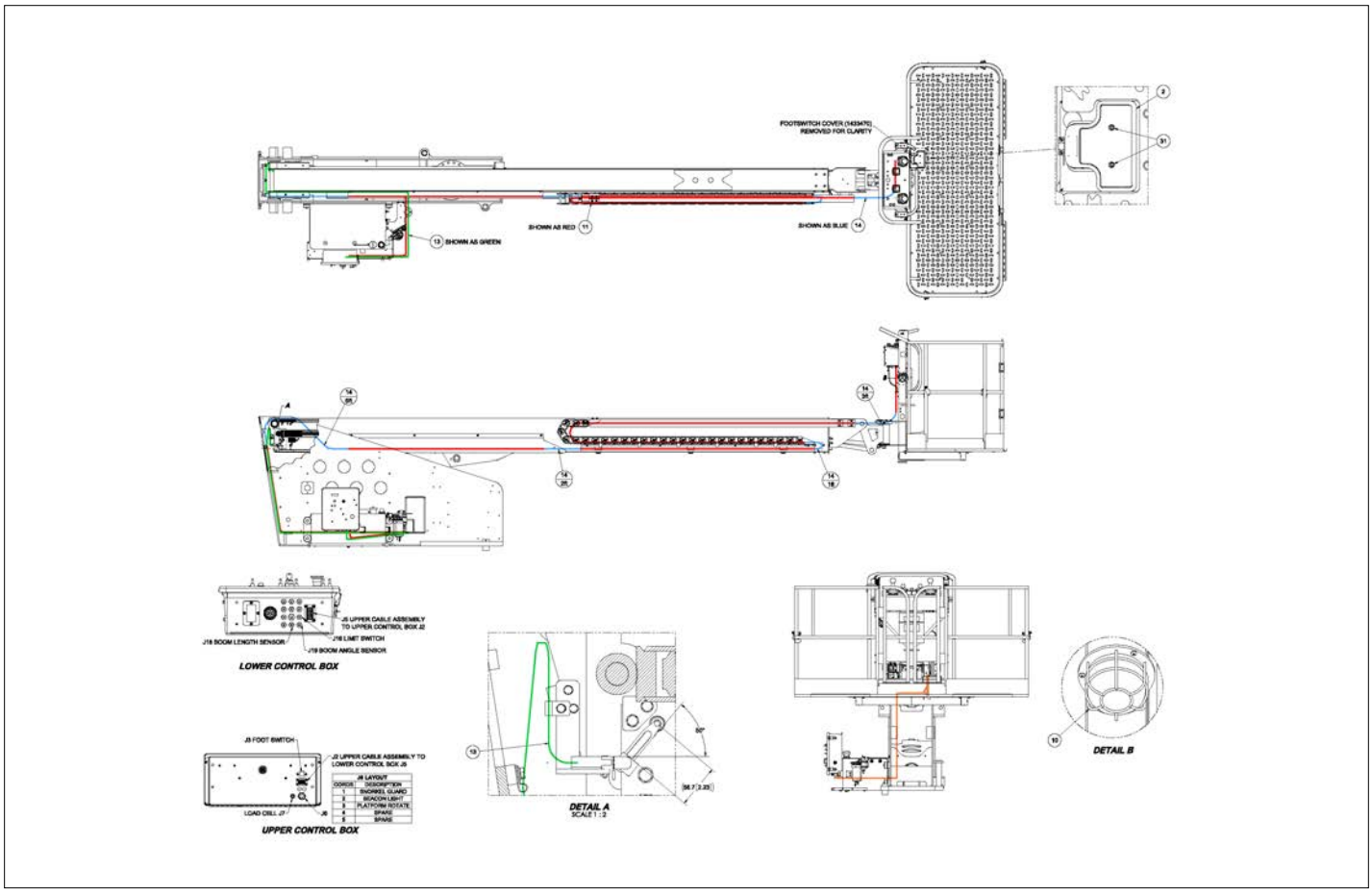


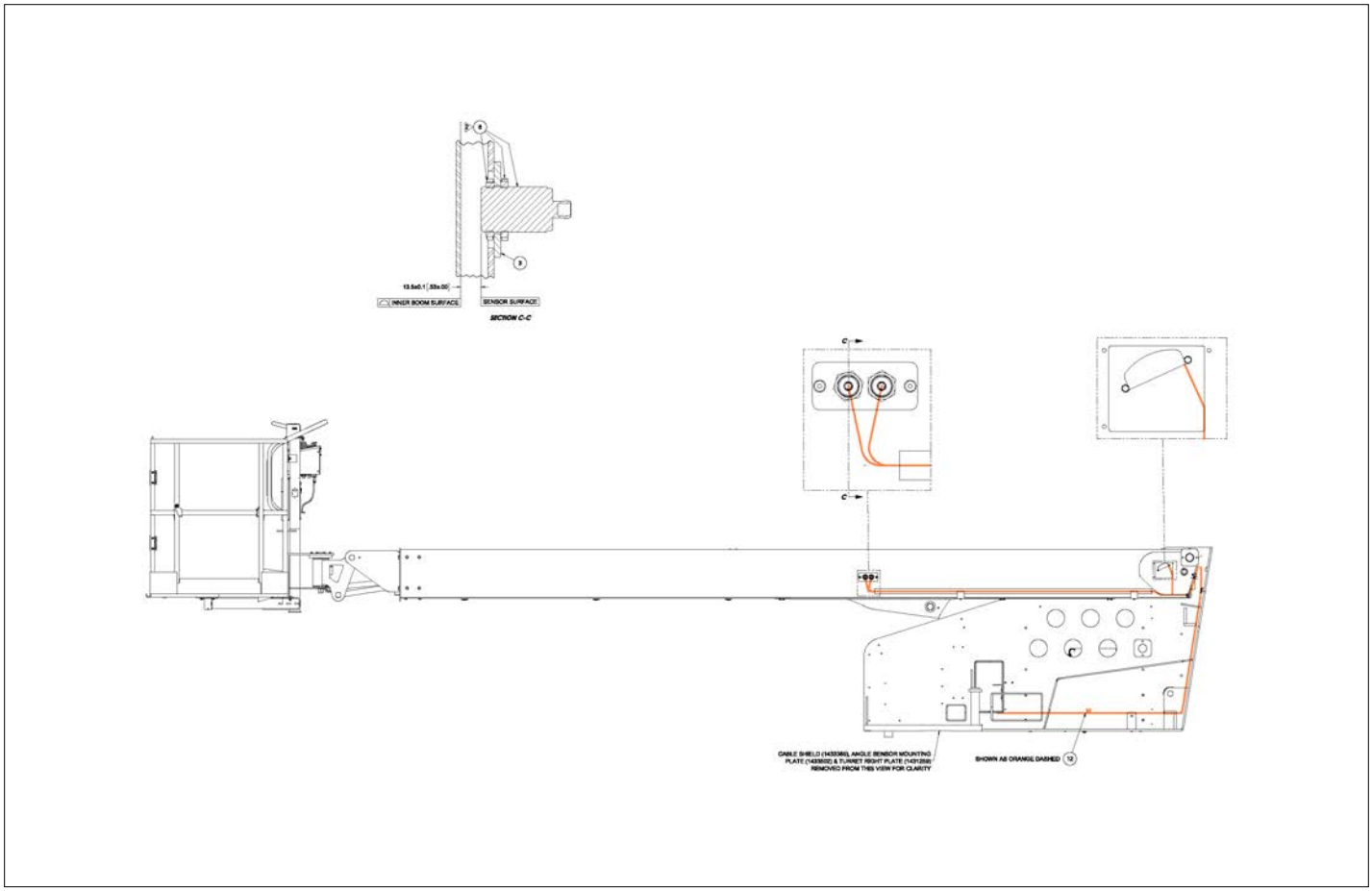


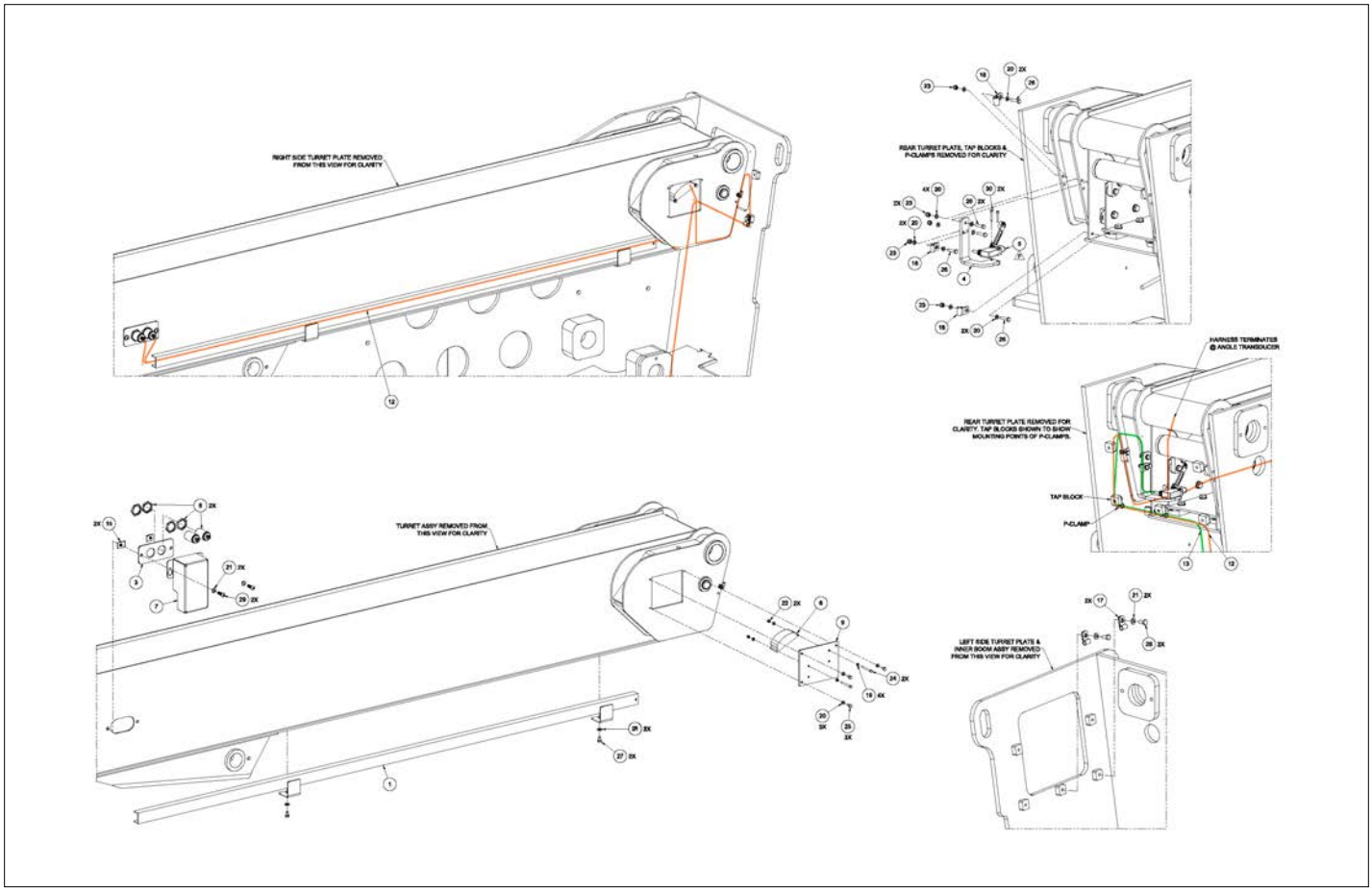
WIRE				CONNECTOR 1						CONNECTOR 2				
WIRE #	AWG	LENGTH	COLOR	DESCRIPTION	CONNECTOR	DESIGNATION / PN	POSITION	TYPE		CONNECTOR	DESIGNATION / PN	POSITION	TYPE	SUPPLIER PN
W01	18	50"	RED	J12	S1	2 PIN DT06-2S	1	PIN CON		SP1	SPLICE	(S2;S3)-1	-	SPLICE
W02	18	50"	BLK	J12	S1	2 PIN DT06-2S	2	PIN CON		SP2	SPLICE	(S2;S3)-2	-	SPLICE
W03	18	85"	RED	LED LIGHT 1	S2	2 PIN DT06-2S	1	PIN CON		SP1	SPLICE	(S1;S3)-1	-	SPLICE
W04	18	85"	BLK	LED LIGHT 1	S2	2 PIN DT06-2S	2	PIN CON		SP2	SPLICE	(S1;S3)-2	-	SPLICE
W05	18	46"	RED	LED LIGHT 2	S3	2 PIN DT06-2S	1	PIN CON		SP1	SPLICE	(S1;S2)-1	-	SPLICE
W06	18	46"	BLK	LED LIGHT 2	S3	2 PIN DT06-2S	2	PIN CON		SP2	SPLICE	(S1;S2)-2	-	SPLICE

アイテム	部品番号	名前	数量	UOM
-	1433883A	DRIVE LIGHTS HARNESS		EA
1	12557-016	WEDGELOCK	3	EA
2	12557-009	PLUG	3	EA
3	12557-031	SOCKET	6	EA

ELECTRICAL


FOOTSWITCH COVER (1433470)
REMOVED FOR CLARITY
SHOWN AS RED
SHOWN AS BLUE
SHOWN AS GREEN
J5 UPPER CABLE ASSEMBLY TO UPPER CONTROL BOX J2
J16 LIMIT SWITCH
J18 BOOM LENGTH SENSOR
J19 BOOM ANGLE SENSOR
LOWER CONTROL BOX
J3 FOOT SWITCH
J2 UPPER CABLE ASSEMBLY TO LOWER CONTROL BOX J5
J6 LAYOUT
CONN# DESCRIPTION
1 SNORKEL GUARD
2 BEACON LIGHT
3 PLATFORM ROTATE
4 SPARE
5 SPARE
LOAD CELL J7
J6
UPPER CONTROL BOX
DETAIL A
SCALE 1 : 2
DETAIL B

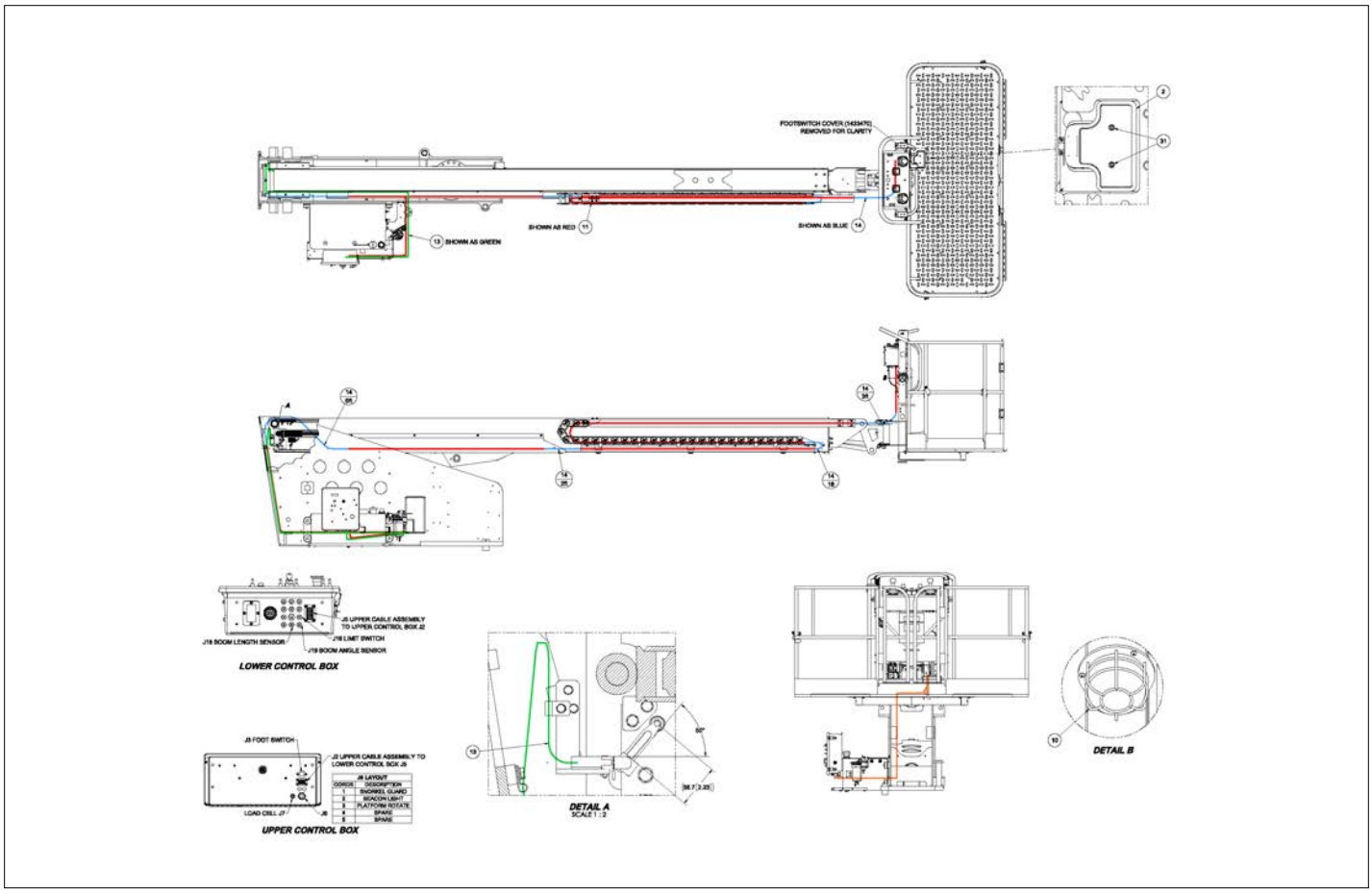

INNER BOOM SURFACE
SENSOR SURFACE
SECTION C-C
SHOWN AS ORANGE DASHED

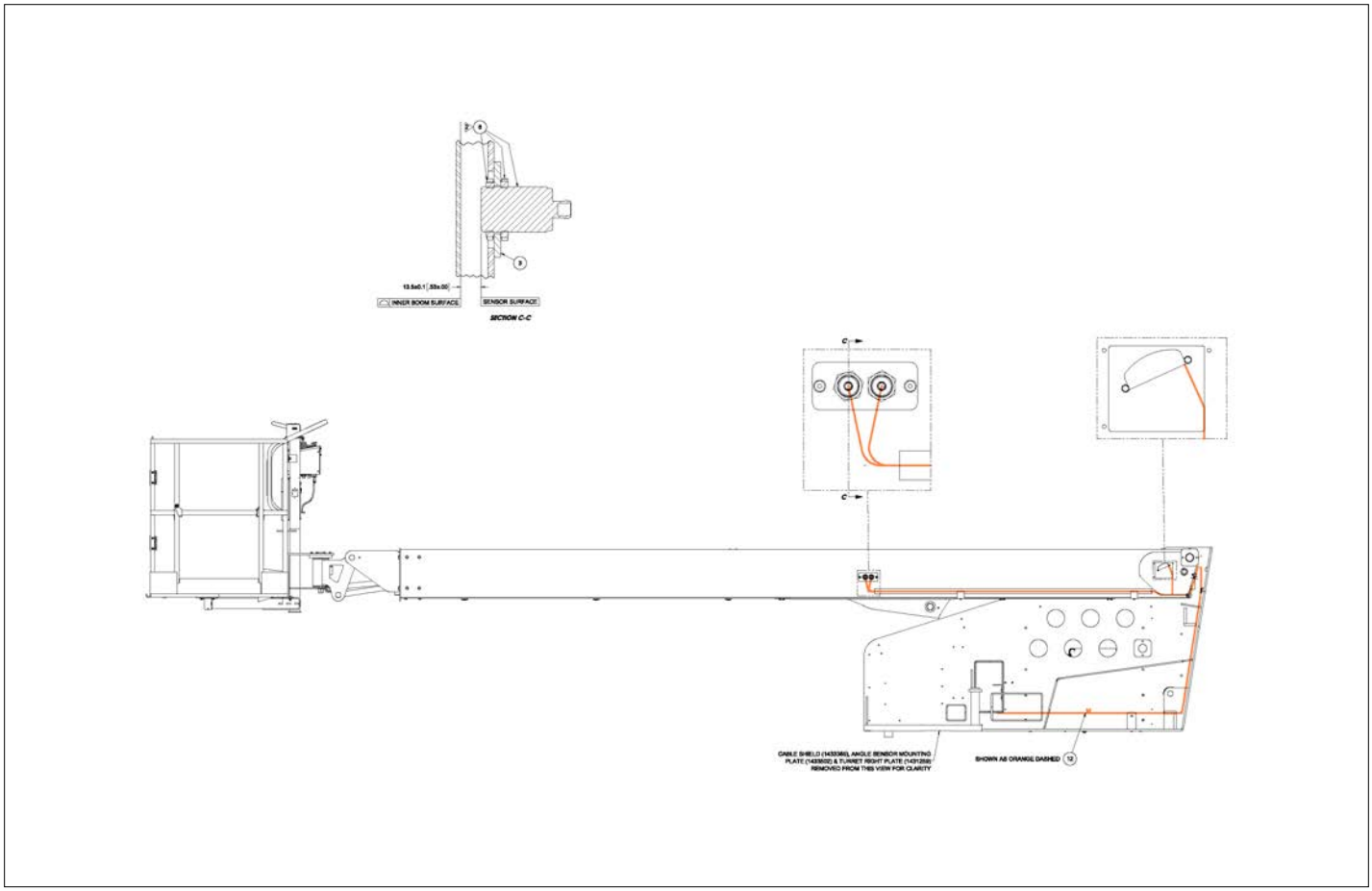

RIGHT SIDE TURRET PLATE REMOVED FROM THIS VIEW FOR CLARITY
REAR TURRET PLATE, TAP BLOCKS & P-CLAMPS REMOVED FOR CLARITY
HARNESS TERMINATES @ ANGLE TRANSDUCER
REAR TURRET PLATE REMOVED FOR CLARITY. TAP BLOCKS SHOWN TO SHOW MOUNTING POINTS OF P-CLAMPS.
TAP BLOCK
P-CLAMP
TURRET ASSY REMOVED FROM THIS VIEW FOR CLARITY
LEFT SIDE TURRET PLATE & INNER BOOM ASSY REMOVED FROM THIS VIEW FOR CLARITY

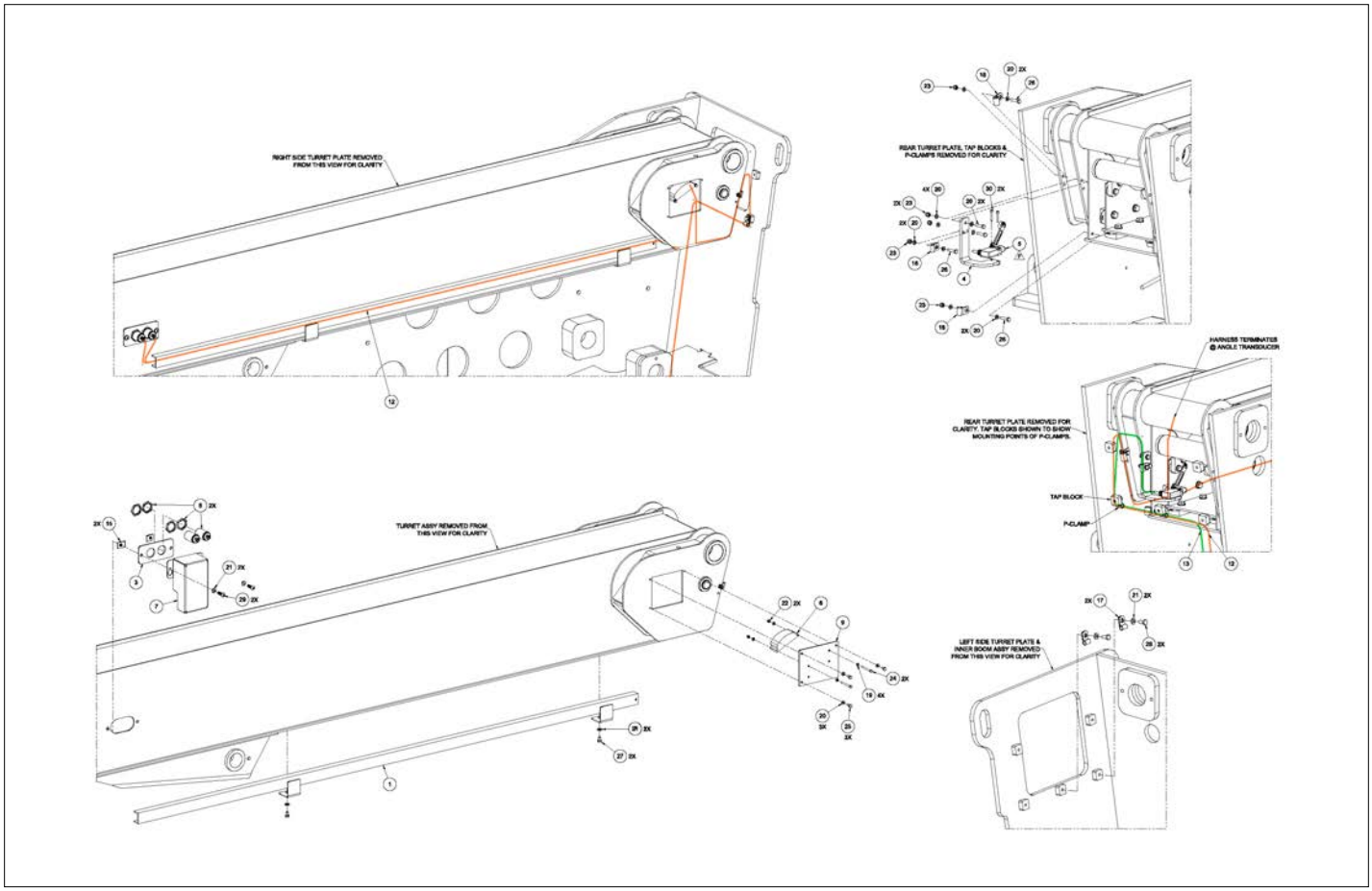
アイテム	部品番号	名前	数量	UOM
*	1433293 G	BOOM ELECTRICAL INSTALLATION 400S		EA
1	1433499	WLDMT, WIRE CHANNEL, 400S	1	EA
2	3028912	FOOT SWITCH ASSY, WIDE TREADLE	1	EA
3	1433377	BRACKET, EXTEND SW 600S	1	EA
4	1434001	BRACKET, BOOM LIMIT SWITCH	1	EA
5	3014764	HARNESS, ELEV SWITCH DT06-4S	1	EA
6	3030189	ANGLE TRANSDUCER	1	EA
7	1433385	CABLE SHIELD, 600S	1	EA
8	3028924	SENSOR, PROXIMITY 30MM, M12	2	EA
9	1433502	MOUNTING PLATE, ANGLE SENSOR	1	EA
10	3014765	HARNESS, BEACON LIGHT BLU	1	EA
11	1433611	HARNESS, PLATF TO GND CTRL 400	1	EA
12	1433355	HARNESS, ANGLE/PROXIMITY	1	EA
13	3014763	HARNESS, LWR CTL TO LMT SW	1	EA
14	12139-999	GUARD HOSE WRAP SL-3.0-1050B	12	EA
15	5569354	NUT, CLIP M8X1.25 4MM	2	EA
16	5093018	CLP CUSH .250 VINYL COATED	1	EA
17	5093019	CLP CUSH .375 VINYL COATED	2	EA
18	5093000	CLP CUSH .438 VINYL COATED	2	EA
19	056069-005	Washer SteelFlatWasher DIN125A	8	EA
20	056069-006	WSHR STEELFLATWSHE M6 DIN125A	14	EA
21	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	6	EA
22	056066-005	Nut NylockNut DIN985 M5 8.0 Zi	4	EA

アイテム	部品番号	名前	数量	UOM
23	056066-006	Nut NylockNut DIN985 M6 8.0 Zi	5	EA
24	5563957	HHCS M5x0.8x50 G10.9 ISO 4017	4	EA
25	058491-012	BLT HEXHD M6-1.0 X 12MM DIN933 GR8.8 ZP	3	EA
26	058491-025	Bolt HexSetScrew DIN933 M6 x 2	5	EA
27	058492-012	Bolt HexSetScrew DIN933 M8 x 1	2	EA
28	058492-016	HHCS M8 x 1. 25 X 16GR 8.8 DIN933	2	EA
29	500595-025	Bolt, SktButCapScrew DIN9427	2	EA
30	5563249	SHCS M4 X 0.7X 25 G8.8 ZP-BRIG	2	EA
31	5563950	SCHS M5 X 0.8 X 20 DIN 912 SS	2	EA

ELECTRICAL


FOOTSWITCH COVER (1433470)
REMOVED FOR CLARITY
SHOWN AS RED
SHOWN AS BLUE
SHOWN AS GREEN
J5 UPPER CABLE ASSEMBLY TO UPPER CONTROL BOX J2
J16 LIMIT SWITCH
J16 BOOM LENGTH SENSOR
J19 BOOM ANGLE SENSOR
LOWER CONTROL BOX
J5 FOOT SWITCH
J2 UPPER CABLE ASSEMBLY TO LOWER CONTROL BOX J5
J6 LAYOUT
CONN# DESCRIPTION
1 SNORKEL GUARD
2 BEACON LIGHT
3 PLATFORM ROTATE
4 SPARE
5 SPARE
LOAD CELL J7
J6
UPPER CONTROL BOX
DETAIL A
SCALE 1 : 2
DETAIL B

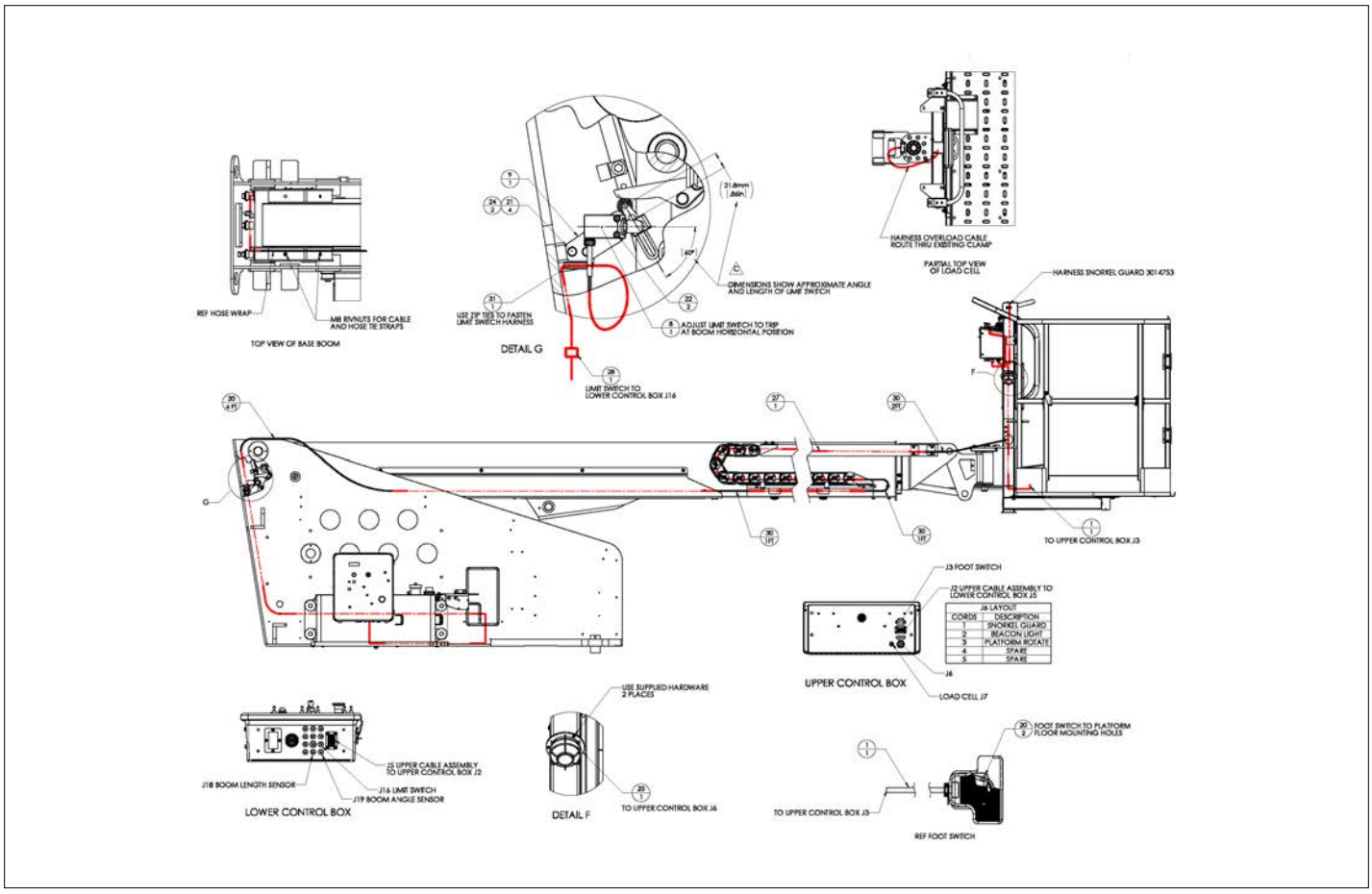

INNER BOOM SURFACE
SENSOR SURFACE
SECTION C-C
SHOWN AS ORANGE DASHED

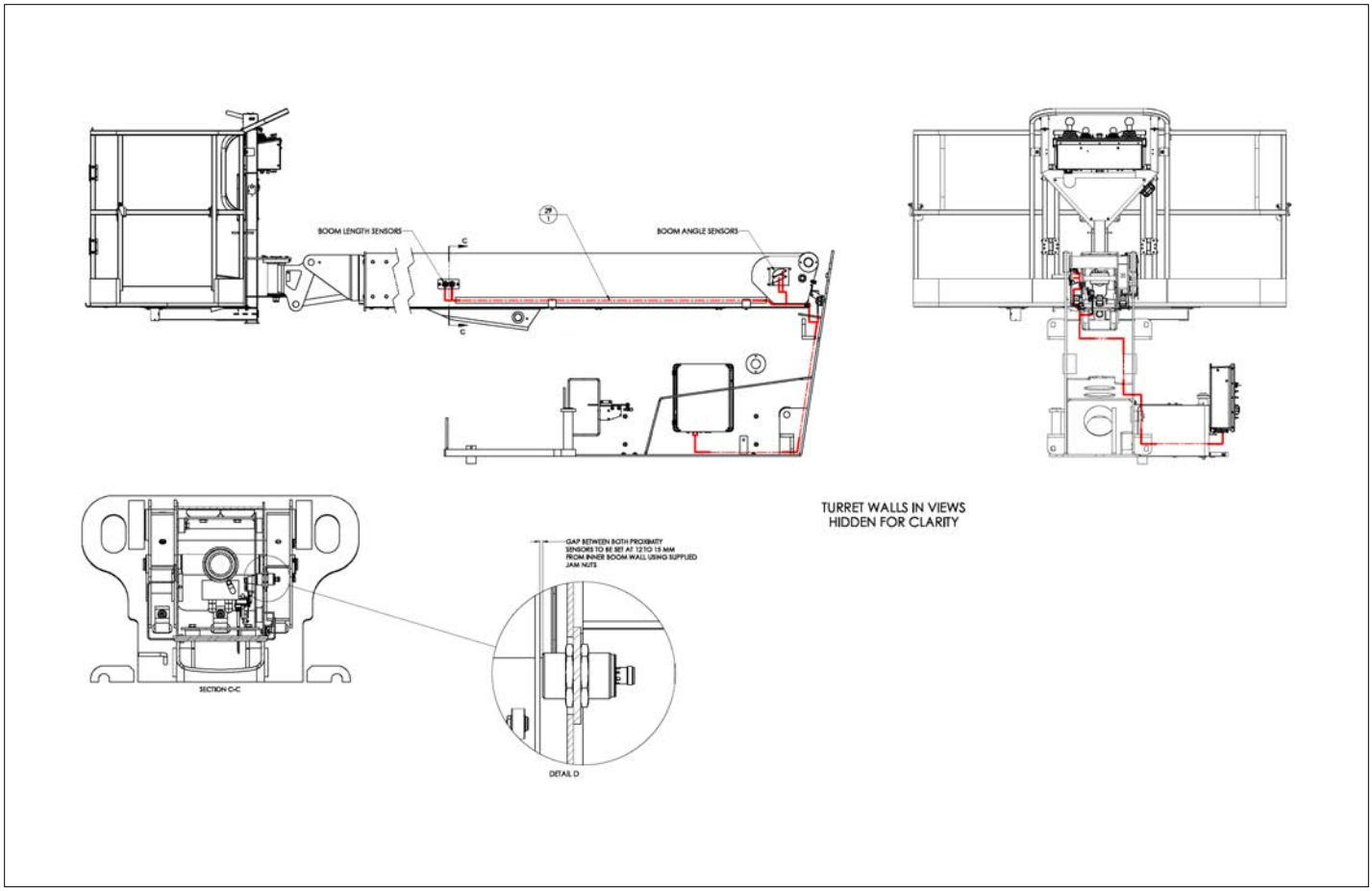

RIGHT SIDE TURRET PLATE REMOVED FROM THIS VIEW FOR CLARITY
REAR TURRET PLATE, TAP BLOCKS & P-CLAMPS REMOVED FOR CLARITY
HARNESS TERMINATES @ ANGLE TRANSDUCER
REAR TURRET PLATE REMOVED FOR CLARITY. TAP BLOCKS SHOWN TO SHOW MOUNTING POINTS OF P-CLAMPS.
TAP BLOCK
P-CLAMP
TURRET ASSY REMOVED FROM THIS VIEW FOR CLARITY
LEFT SIDE TURRET PLATE & INNER BOOM ASSY REMOVED FROM THIS VIEW FOR CLARITY

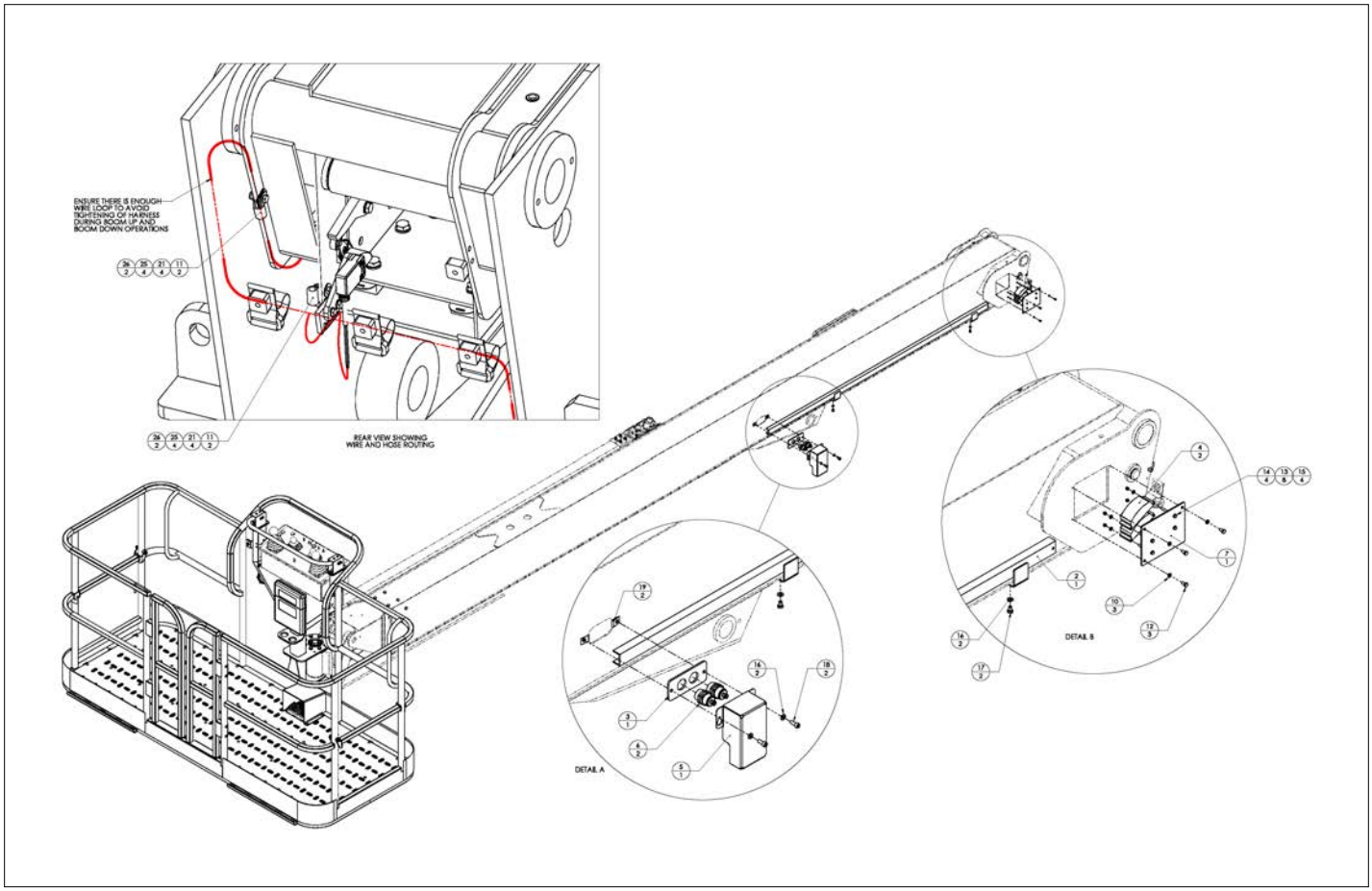
アイテム	部品番号	名前	数量	UOM
*	1433293 F	BOOM ELECTRICAL INSTALLATION 400S		EA
1	1433499	WLDMT, WIRE CHANNEL, 400S	1	EA
2	3028912	FOOT SWITCH ASSY, WIDE TREADLE	1	EA
3	1433377	BRACKET, EXTEND SW 600S	1	EA
4	1434001	BRACKET, BOOM LIMIT SWITCH	1	EA
5	3014764	HARNESS, ELEV SWITCH DT06-4S	1	EA
6	3030187	Angle Transducer	1	EA
7	1433385	CABLE SHIELD, 600S	1	EA
8	3028924	SENSOR, PROXIMITY 30MM, M12	2	EA
9	1433502	MOUNTING PLATE, ANGLE SENSOR	1	EA
10	3014765	HARNESS, BEACON LIGHT BLU	1	EA
11	1433611	HARNESS, PLATF TO GND CTRL 400	1	EA
12	1433355	HARNESS, ANGLE/PROXIMITY	1	EA
13	3014763	HARNESS, LWR CTL TO LMT SW	1	EA
14	12139-999	GUARD HOSE WRAP SL-3.0-1050B	12	EA
15	5569354	NUT, CLIP M8X1.25 4MM	2	EA
16	5093018	CLP CUSH .250 VINYL COATED	1	EA
17	5093019	CLP CUSH .375 VINYL COATED	2	EA
18	5093000	CLP CUSH .438 VINYL COATED	2	EA
19	056069-005	Washer SteelFlatWasher DIN125A	8	EA
20	056069-006	WSHR STEELFLATWSHE M6 DIN125A	14	EA
21	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	6	EA
22	056066-005	Nut NylockNut DIN985 M5 8.0 Zi	4	EA

アイテム	部品番号	名前	数量	UOM
23	056066-006	Nut NylockNut DIN985 M6 8.0 Zi	5	EA
24	5563957	HHCS M5x0.8x50 G10.9 ISO 4017	4	EA
25	058491-012	BLT HEXHD M6-1.0 X 12MM DIN933 GR8.8 ZP	3	EA
26	058491-025	Bolt HexSetScrew DIN933 M6 x 2	5	EA
27	058492-012	Bolt HexSetScrew DIN933 M8 x 1	2	EA
28	058492-016	HHCS M8 x 1. 25 X 16GR 8.8 DIN933	2	EA
29	500595-025	Bolt, SktButCapScrew DIN9427	2	EA
30	5563249	SHCS M4 X 0.7X 25 G8.8 ZP-BRIG	2	EA
31	5563950	SCHS M5 X 0.8 X 20 DIN 912 SS	2	EA

ELECTRICAL


REF HOSE WRAP
M8 RIVNUTS FOR CABLE AND HOSE TIE STRAPS
TOP VIEW OF BASE BOOM
USE ZIP TIES TO FASTEN LIMIT SWITCH HARNESS
DETAIL G
DIMENSIONS SHOW APPROXIMATE ANGLE AND LENGTH OF LIMIT SWITCH
ADJUST LIMIT SWITCH TO TRIP AT BOOM HORIZONTAL POSITION
LIMIT SWITCH TO LOWER CONTROL BOX J16
HARNESS OVERLOAD CABLE ROUTE THRU EXISTING CLAMP
PARTIAL TOP VIEW OF LOAD CELL
HARNESS SNORKEL GUARD 301-4753
TO UPPER CONTROL BOX J3
J3 FOOT SWITCH
J2 UPPER CABLE ASSEMBLY TO LOWER CONTROL BOX J2
J6 LAYOUT
CORDS DESCRIPTION
1 SNORKEL GUARD
2 BEACON LIGHT
3 PLATFORM ROTATE
4 SPARE
5 SPARE
J6
LOAD CELL J7
UPPER CONTROL BOX
J18 BOOM LENGTH SENSOR
J2 UPPER CABLE ASSEMBLY TO UPPER CONTROL BOX J2
J16 LIMIT SWITCH
J19 BOOM ANGLE SENSOR
LOWER CONTROL BOX
USE SUPPLIED HARDWARE 2 PLACES
TO UPPER CONTROL BOX J6
DETAIL F
FOOT SWITCH TO PLATFORM FLOOR MOUNTING HOLES
TO UPPER CONTROL BOX J3
REF FOOT SWITCH


BOOM LENGTH SENSORS
BOOM ANGLE SENSORS
TURRET WALLS IN VIEWS
HIDDEN FOR CLARITY
SECTION C-C
DETAIL D

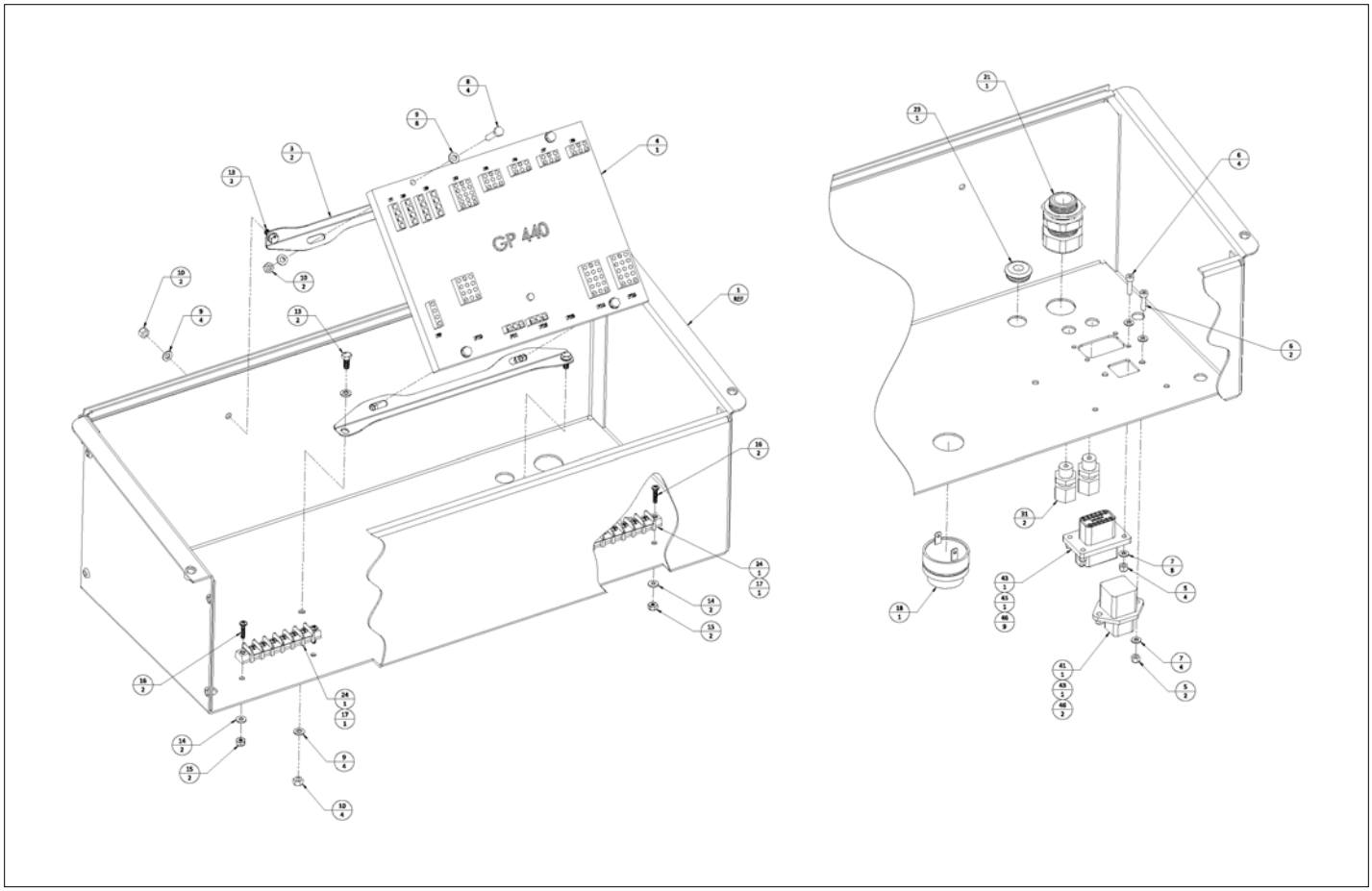

ENSURE THERE IS ENOUGH WIRE LOOP TO AVOID TIGHTENING OF HARNESS DURING BOOM UP AND BOOM DOWN OPERATIONS
REAR VIEW SHOWING WIRE AND HOSE ROUTING
DETAIL A
DETAIL B

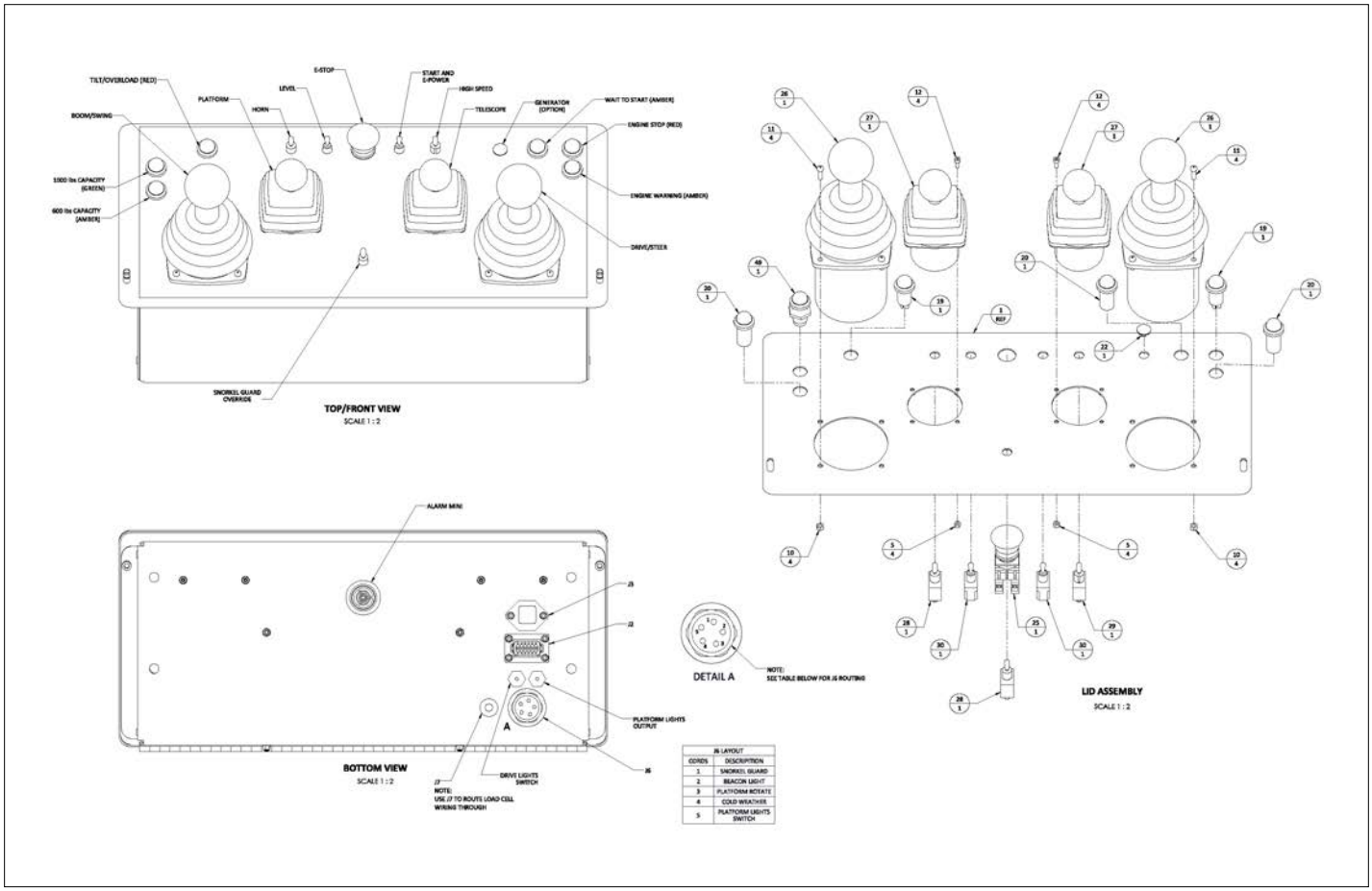
アイテム	部品番号	名前	数量	UOM
-	1433293C	BOOM ELECTRICAL INSTALL 400S		EA
1	3028912	FOOT SWITCH ASSY, WIDE TREADLE	1	EA
2	1433499	WLDMT, WIRE CHANNEL, 400S	1	EA
3	1433377	BRACKET, EXTEND SW 600S	1	EA
4	3030157	Angle Transducer	2	EA
5	1433385	CABLE SHIELD, 600S	1	EA
6	3028924	SENSOR, PROXIMITY 30MM, M12	2	EA
7	1433502	MOUNTING PLATE, ANGLE SENSOR	1	EA
8	3028869	SWITCH SAFETY SPDT SHMRSL PS116	1	EA
9	1433627	BRACKET, BOOM LIMIT SWITCH-400	1	EA
10	056021-006	WASHER SPRING WASHER M6 DIN 127B GR8.8 ZP	3	EA
11	5093000	CLP CUSH .438 VINYL COATED	2	EA
12	058491-012	BLT HEXHD M6-1.0 X 12MM DIN933 GR8.8 ZP	3	EA
13	510561-005	Washer, SteelFlatWasher DIN125	8	EA
14	5563957	HHCS M5x0.8x50 G10.9 ISO 4017	4	EA
15	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	4	EA
16	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	4	EA
17	058492-012	Bolt HexSetScrew DIN933 M8 x 1	2	EA
18	5563299	SBHCS M8 X 1.25 X 25	2	EA
19	5569354	NUT, CLIP M8X1.25 4MM	2	EA
20	5563950	SCHS M5 X 0.8 X 20 DIN 912 SS	2	EA
21	058491-020	HHCS M6 X 1 X 20 G8.8 DIN 933	4	EA

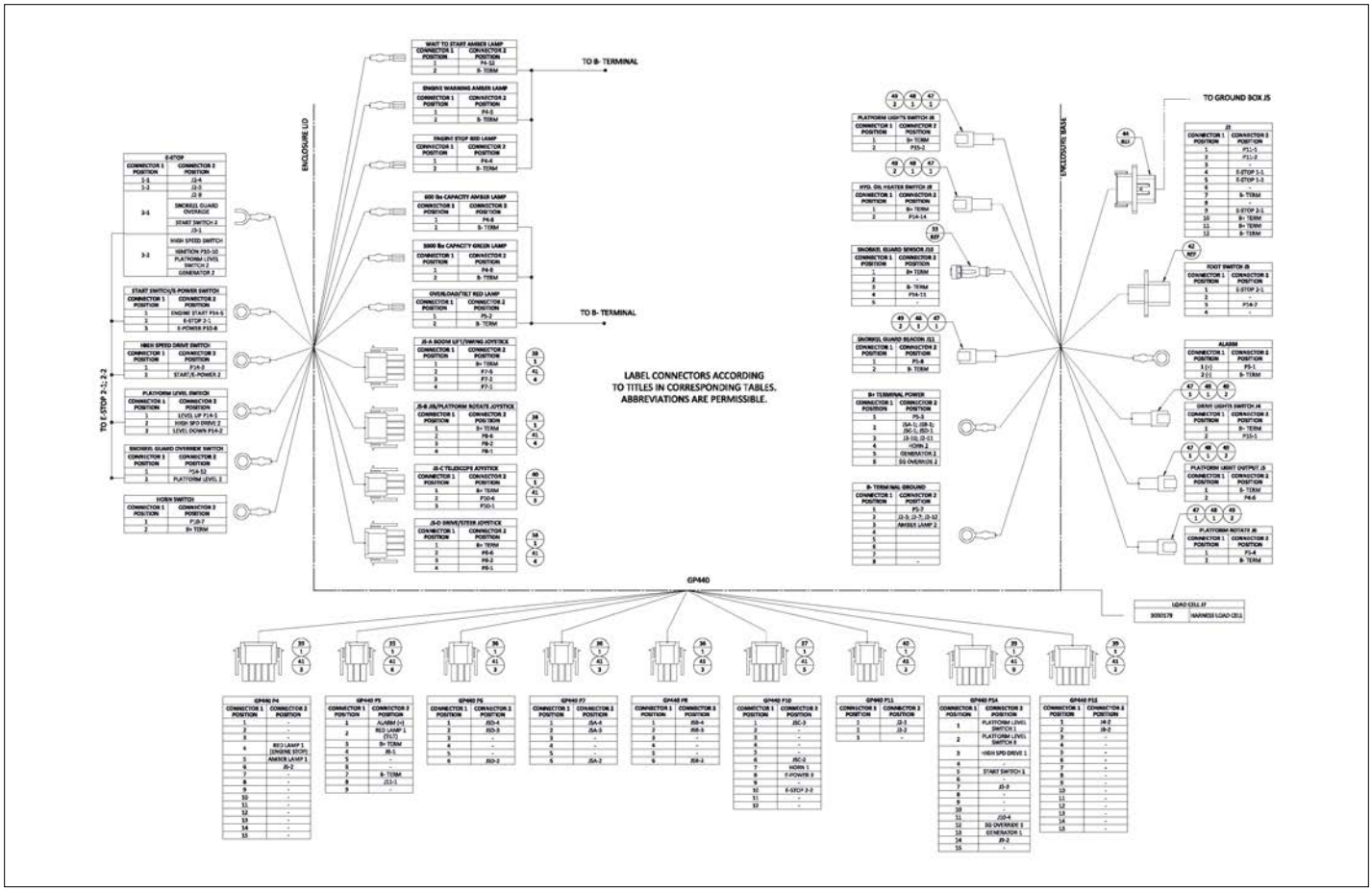
アイテム	部品番号	名前	数量	UOM
22	5563249	SHCS M4 X 0.7X 25 G8.8 ZP-BRIG	2	EA
23	3014765	HARNESS, BEACON LIGHT BLU	1	EA
24	056069-006	WSHR STEELFLATWSHE M6 DIN125A	2	EA
25	508247-006	WASHER OVERSIZED M6 X 18MM DIN9021 ZP	4	EA
26	056066-006	Nut NylockNut DIN985 M6 8.0 Zi	2	EA
27	1433611	HARNESS, PLATF TO GND CTRL 400	1	EA
28	1433613	HARNESS, LWR CNTRL TO LIMIT SWITCH	1	EA
29	1433355	HARNESS, ANGLE/PROXIMITY	1	EA
30	12139-999	GUARD HOSE WRAP SL-3.0-1050B	8	EA
31	3220344	CLIP-HARNESS .04-.25 THK	1	EA

ELECTRICAL




GP 440


TILT/OVERLOAD (RED)
PLATFORM
BOOM/SWING
1000 lbs CAPACITY (GREEN)
600 lbs CAPACITY (AMBER)
HORN
LEVEL
E-STOP
START AND E-POWER
HIGH SPEED
TELESCOPE
GENERATOR (OPTION)
WAIT TO START (AMBER)
ENGINE STOP (RED)
ENGINE WARNING (AMBER)
DRIVE/STEER
SNORKEL GUARD OVERRIDE
TOP/FRONT VIEW
SCALE 1 : 2
ALARM MINI
J1
J2
J3
J4
J5
J6
PLATFORM LIGHTS OUTPUT
DRIVE LIGHTS SWITCH
NOTE: USE J7 TO ROUTE LOAD CELL WIRING THROUGH
BOTTOM VIEW
SCALE 1 : 2
DETAIL A
NOTE: SEE TABLE BELOW FOR J6 ROUTING
LID ASSEMBLY
SCALE 1 : 2
J6 LAYOUT
CORDS
DESCRIPTION
1 SNORKEL GUARD
2 BEACON LIGHT
3 PLATFORM ROTATE
4 COLD WEATHER
5 PLATFORM LIGHTS SWITCH


TO B- TERMINAL
TO B- TERMINAL
ENCLOSURE LID
ENCLOSURE BASE
TO GROUND BOX J5
TO E-STOP 2-1, 2-2
LABEL CONNECTORS ACCORDING
TO TITLES IN CORRESPONDING TABLES.
ABBREVIATIONS ARE PERMISSIBLE.
GP440

WIRE				CONNECTOR 1					CONNECTOR 2				
WIRE #	AWG	COLOR	DESCRIPTION	CONNECTOR	DESIGNATION / PN	POSITION	TYPE	SUPPLIER PN	CONNECTOR	DESIGNATION / PN	POSITION	TYPE	SUPPLIER PN
W01	18	Wht	Engine Red Stop Lamp	GP440 P4	CONNECTOR AMP 15 PIN 1-480710-0	P4-4	AMP SOCKET CONTACT	350550-1	AMP Tyco	FEM250FI 16/14	Red Lamp	Female	3-520408-2
W02	18	Wht	Engine Amber Warning Lamp	GP440 P4	CONNECTOR AMP 15 PIN 1-480710-0	P4-5	AMP SOCKET CONTACT	350550-1	AMP Tyco	FEM250FI 16/14	Amb Lamp	Female	3-520408-2
W03	18	Wht	Platform Work Lights	GP440 P4	CONNECTOR AMP 15 PIN 1-480710-0	P4-6	AMP SOCKET CONTACT	350550-1	J5 Deutsch 2 Pin	DT04-2P	J5-2	Male Pin	0460-215-16141
W06	18	Wht	upper Alarm	GP440 P5	CONNECTOR AMP 9 pin 1-480706-0	P5-1	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	Alarm (+)	Ring Term	PV14-8R-C
W07	18	Wht	Overload / Tilt Lamp	GP440 P5	CONNECTOR AMP 9 pin 1-480706-0	P5-2	AMP SOCKET CONTACT	350550-1	AMP Tyco	FEM250FI 16/14	Tilt Lamp	Female	3-520408-2
W08	18	Wht	12V supply from TBM B+	GP440 P5	CONNECTOR AMP 9 pin 1-480706-0	P5-3	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	B+ Term	Ring Term	PV14-8R-C
W09	18	Wht	Platform rotate enable valve	GP440 P5	CONNECTOR AMP 9 pin 1-480706-0	P5-4	AMP SOCKET CONTACT	350550-1	J6 Deutsch 2 Pin	DT04-2P	J6-1	Male Pin	0460-215-16141
W10	18	blk	Battery Ground supply	GP440 P5	CONNECTOR AMP 9 pin 1-480706-0	P5-7	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	Grnd Term	Ring Term	PV14-8R-C
W11	18	Red	Snorkel Guard B Flashing Light	GP440 P5	CONNECTOR AMP 9 pin 1-480706-0	P5-8	AMP SOCKET CONTACT	350550-1	J11 Deutsch 2 Pin	DT04-2P	J11-1	Male Pin	0460-215-16141
W12	18	Wht	Drive	GP440 P6	CONNECTOR AMP 6 pin 1-480704-0	P6-1	AMP SOCKET CONTACT	350550-1	JSD AMP 4 SOC	1-480703-0	JSD-4	Male Pin	350547-1
W13	18	Wht	Steer	GP440 P6	CONNECTOR AMP 6 pin 1-480704-0	P6-2	AMP SOCKET CONTACT	350550-1	JSD AMP 4 SOC	1-480703-0	JSD-3	Male Pin	350547-1
W14	18	blk	Ground	GP440 P6	CONNECTOR AMP 6 pin 1-480704-0	P6-6	AMP SOCKET CONTACT	350550-1	JSD AMP 4 SOC	1-480703-0	JSD-2	Male Pin	350547-1
W15	18	Yo	B+ Terminal	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C	JSD AMP 4 SOC	1-480703-0	JSD-1	Male Pin	350547-1
W16	18	Wht	LBI	GP440 P7	CONNECTOR AMP 6 pin 1-480704-0	P7-1	AMP SOCKET CONTACT	350550-1	JSA AMP 4 SOC	1-480703-0	JSA-4	Male Pin	350547-1
W17	18	Wht	Swing	GP440 P7	CONNECTOR AMP 6 pin 1-480704-0	P7-2	AMP SOCKET CONTACT	350550-1	JSA AMP 4 SOC	1-480703-0	JSA-3	Male Pin	350547-1
W18	18	Blk	Ground	GP440 P7	CONNECTOR AMP 6 pin 1-480704-0	P7-6	AMP SOCKET CONTACT	350550-1	JSA AMP 4 SOC	1-480703-0	JSA-2	Male Pin	350547-1
W19	18	Wht	B+ Terminal	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C	JSA AMP 4 SOC	1-480703-0	JSA-1	Male Pin	350547-1
W20	18	Wht	Jib	GP440 P8	CONNECTOR AMP 6 pin 1-480704-0	P8-1	AMP SOCKET CONTACT	350550-1	JSB AMP 4 SOC	1-480703-0	JSB-4	Male Pin	350547-1
W21	18	Wht	Platform Rotate	GP440 P8	CONNECTOR AMP 6 pin 1-480704-0	P8-2	AMP SOCKET CONTACT	350550-1	JSB AMP 4 SOC	1-480703-0	JSB-3	Male Pin	350547-1
W22	18	Blk	Ground	GP440 P8	CONNECTOR AMP 6 pin 1-480704-0	P8-6	AMP SOCKET CONTACT	350550-1	JSB AMP 4 SOC	1-480703-0	JSB-2	Male Pin	350547-1
W23	18	Wht	B+ Terminal	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C	JSB AMP 4 SOC	1-480703-0	JSB-1	Male Pin	350547-1
W24	18	Wht	Boom Extend/Retract	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-1	AMP SOCKET CONTACT	350550-1	JSC AMP 4 SOC	1-480703-0	JSC-3	Male Pin	350547-1
W25	18	Blk	Ground	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-6	AMP SOCKET CONTACT	350550-1	JSC AMP 4 SOC	1-480703-0	JSC-2	Male Pin	350547-1
W26	18	Wht	Horn sw	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-7	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	Horn	Ring Term	PV14-8R-C
W27	18	Wht	Emergency power (moon)	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-8	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	E-Power	Ring Term	PV14-8R-C
W28	18	Wht	Ignition	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-10	AMP SOCKET CONTACT	350550-1	PANDUIT	Term R6	S-Stop 2	Fork Term	PV18-6FN
W30	18	Wht	B+ Terminal	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C	JSC AMP 4 SOC	1-480703-0	JSC-1	Male Pin	350547-1
W31	18	Wht	CANH VCOM-P13-1	GP440 P11	CONNECTOR AMP 3 pin 1-480700-0	P11-1	AMP SOCKET CONTACT	350550-1	J2 Deutsch 12 Pin	DT04-12PA-LO12	J2 -1	Male Pin	0460-215-16141
W32	18	Wht	CANL VCOM-P13-2	GP440 P11	CONNECTOR AMP 3 pin 1-480700-0	P11-2	AMP SOCKET CONTACT	350550-1	J2 Deutsch 12 Pin	DT04-12PA-LO12	J2-2	Male Pin	0460-215-16141
W33	18	Wht	platform level up	GP440 P14	CONNECTOR AMP 13 pin 1-480701G-0	P14-1	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	level up sw	Ring Term	PV14-8R-C
W34	18	Wht	platform level down	GP440 P14	CONNECTOR AMP 13 pin 1-480701G-0	P14-2	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	level dn sw	Ring Term	PV14-8R-C
W35	18	Wht	High Speed Drive	GP440 P14	CONNECTOR AMP 13 pin 1-480701G-0	P14-3	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	high spd drive	Ring Term	PV14-8R-C
W36	18	Wht	Start sw (mom.)	GP440 P14	CONNECTOR AMP 13 pin 1-480701G-0	P14-5	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	start switch	Ring Term	PV14-8R-C
W37	18	Wht	Enable foot sw	GP440 P14	CONNECTOR AMP 13 pin 1-480701G-0	P14-7	AMP SOCKET CONTACT	350550-1	J3 Deutsch 4 Pin	DT04-4P-L012	J3-3	Male Pin	0460-215-16141
W38	18	Blk	Snorkel Guard prox sw.	GP440 P14	CONNECTOR AMP 13 pin 1-480701G-0	P14-11	AMP SOCKET CONTACT	350550-1	PROX SW CABLE SET	3014753	J10-4	Cord Set	IFM M12KDM
W39	18	Wht	Snorkel Guard override sw.	GP440 P14	CONNECTOR AMP 13 pin 1-480701G-0	P14-12	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	SG Override	Ring Term	PV14-8R-C
W40	18	Wht	Generator sw	GP440 P14	CONNECTOR AMP 13 pin 1-480701G-0	P14-13	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	Generator	Ring Term	PV14-8R-C
W41	18	Wht	Hydraulic Warm-Up switch	GP440 P14	CONNECTOR AMP 13 pin 1-480701G-0	P14-14	AMP SOCKET CONTACT	350550-1	J9 Deutsch 2 Pin	DT04-2P	J9-2	Male Pin	0460-215-16141
W42	18	Wht	Drive lights sw.	GP440 P15	CONNECTOR AMP 13 pin 1-480701G-0	P15-1	AMP SOCKET CONTACT	350550-1	J4 Deutsch 2 Pin	DT04-2P	J4-2	Male Pin	0460-215-16141
W43	18	Wht	Platform Work lights sw.	GP440 P15	CONNECTOR AMP 13 pin 1-480701G-0	P15-2	AMP SOCKET CONTACT	350550-1	J8 Deutsch 2 Pin	DT04-2P	J8-2	Male Pin	0460-215-16141
W45	18	Wht	E-Stop Power	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-4	Male Pin Size 16 16/18	0460-215-16141	E-STOP SW	PANDUIT Term R6	1-1	Fork Term	PV18-6FN
W46	18	Wht	E-Stop Power	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-5	Male Pin Size 16 16/18	0460-215-16141	E-STOP SW	PANDUIT Term R6	2-2	Fork Term	PV18-6FN
W47	18	Blk	Ground	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-7	Male Pin Size 16 16/18	0460-215-16141	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W48	18	Wht	TBM 1 Input	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-9	Male Pin Size 16 16/18	0460-215-16141	E-STOP SW	PANDUIT Term R6	3-1	Fork Term	PV18-6FN
W49	18	Wht	B+ Power	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-10	Male Pin Size 16 16/18	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W50	18	Wht	B+ Power	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-11	Male Pin Size 16 16/18	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W51	18	Blk	Ground	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-12	Male Pin Size 16 16/18	0460-215-16141	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W52	18	Wht	FOOT SWITCH B+ E-STOP	J3 4 Pin	Deutsch DTP04-4P-L012	J3-1	Male Pin	0460-215-16141	E-STOP SW	PANDUIT Term R6	2-1	Fork Term	PV18-6FN
W53	18	Blk	GRND	ALARM	TERM RBI 16/14	Alarm (-)	Ring Term	PV14-8R-C	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W54	18	Wht	B+	J4	DEUTSCH DT04-2P	J4-1	Male Pin	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W55	18	Blk	GRND	J5	DEUTSCH DT04-2P	J5-1	Male Pin	0460-215-16141	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W56	18	Blk	GRND	J6	DEUTSCH DT04-2P	J6-1	Male Pin	0460-215-16141	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	P5-4	RING TERM RBI 16/14	PV14-8R-C
W57	18	Wht	B+	J8	DEUTSCH DT04-2P	J8-1	Male Pin	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W58	18	Wht	B+	J9	DEUTSCH DT04-2P	J9-1	Male Pin	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W59	18	Wht	B+	J10	PROX SW CABLE SET P/N 3014753	J10-1	Cord Set	IFM M12KDM	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W60	18	Blk	GRND	J10	PROX SW CABLE SET P/N 3014753	J10-3	Cord Set	IFM M12KDM	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W61	18	Blk	GRND	J11	DEUTSCH DT04-2P	J11-2	Male Pin	0460-215-16141	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W62	18	Wht	E-STOP SW	E-STOP	PANDUIT TERM RBI 16/14	2-1	Ring Term	PV14-8R-C	START / E-POWER SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W63	18	Wht	JUMPER STJ E-POWER SW	ST/E-P SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	HIGH SPEED DRIVE SW	PANDUIT TERM RBI 16/14	3	Ring Term	PV14-8R-C
W64	18	Wht	JUMPER H SPEED DR SW	HS DR SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	PLATFORM LEVEL SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W65	18	Wht	JUMPER PLAT LEVEL SW	P LEVEL SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	SNORKEL GD OVERRIDE SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W66	18	Wht	JUMPER SGO OVERRIDE SW	SN GO OR SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	GENERATOR ON/OFF SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W67	18	Wht	HORN SW	HORN SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	B+ TERM	PANDUIT TERM RBI 16/14	B+ TERM	Ring Term	PV14-8R-C
W68	18	blk	GRND TERM	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C	GLOW PLUGS	PANDUIT TERM RBI 16/14	1	Ring Term	PV14-8R-C
W69	18	blk	GRND JUMPER	GLOW PLUGS	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	AMBER ENGINE WARNING	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W70	18	blk	GRND JUMPER	AMBER ENGINE WARNING	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	RED ENGINE WARNING	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W71	18	blk	GRND TERM	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C	OVERLOAD/TILT RED LAMP	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W72	18	BLK	GRND JUMPER	OVERLOAD/TILT RED LAMP	PANDUIT TERM RBI 16/14	2	RING TERM	PV14-8R-C	1000 LBS CAP GREEN LAMP	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W73	18	BLK	GRND JUMPER	1000 LBS CAP GREEN LAMP	PANDUIT TERM RBI 16/14	1	RING TERM	PV14-8R-C	600 LBS CAP AMBER LAMP	PANDUIT TERM RBI 16/14	2	RING TERM	PV14-8R-C

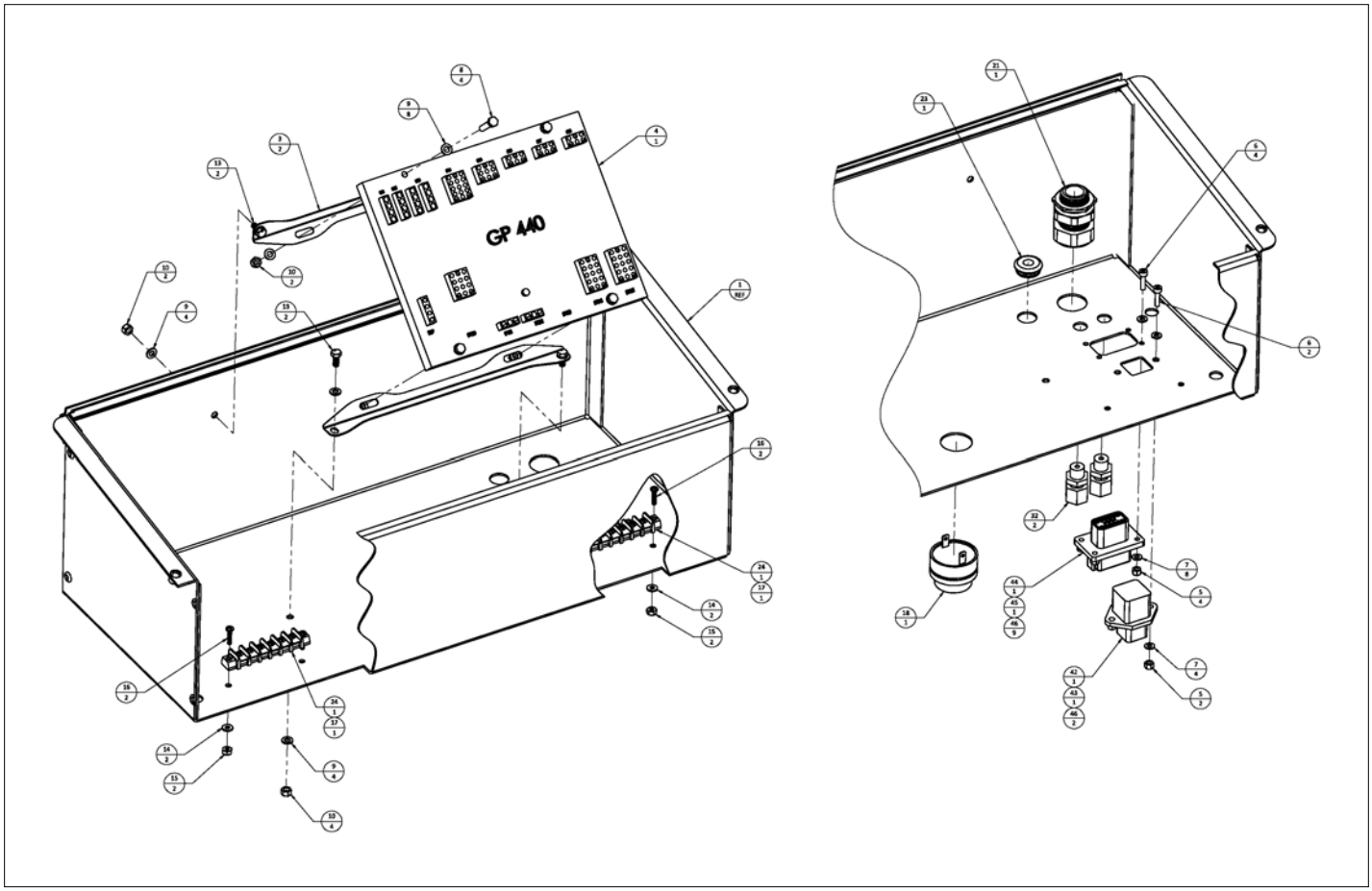
アイテム	部品番号	名前	数量	UOM
-	1434145 A	UPPER CONTROL BOX ASSEMBLY400 600 DEUTZ TIER 4 FINAL		EA
1	1434143	WELDMENT, UPPER CTRL BOX, 400/600 DEUTZ T4F	1	EA
2	1434133	DECAL, UPPER CTRL BOX, 400/600 DEUTZ T4F	1	EA
3	1431549	BRKT, GP440 UPR CTL	2	EA
4	3030173	GP440	1	EA
5	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	14	EA
6	510563-016	Bolt, SktCapScrew DIN912 M4 x	6	EA
7	056069-004	Wshr, SteelFlatWshr M4 DIN125	12	EA
8	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	4	EA
9	056069-005	Washer SteelFlatWasher DIN125A	16	EA
10	056064-005	Nut, NylockNut DIN985 M5 10.0	16	EA
11	505082-016	Bolt, SktButCapScrew DIN9427 M	8	EA
12	058500-010	Bolt, SktCapScrew DIN912 M4 x	8	EA
13	5563692	BOLT HXHD M5X.8X12 YL ZN PLT GR 8.8	4	EA
14	5563694	WASHER FLAT #6 YL ZN PLT GR8	4	EA
15	5563695	LOCKNUT HEX 6-32 ZN PLT	4	EA
16	5563693	SCREW PAN HD 6-32 X 5/8" ZN PLT	4	EA
17	3028881	JUMPER RJS TYPE 601RJS-06	2	EA
18	3040411	Alarm Buzzer	1	EA
19	3069524	LIGHT RED LED 12V	2	EA
20	3069544	LIGHT AMBER LED 12V .69DIA MTG	3	EA
21	3028877	GRIP CORD MULTICORD 1.43" HEX 3/4 NPT	1	EA

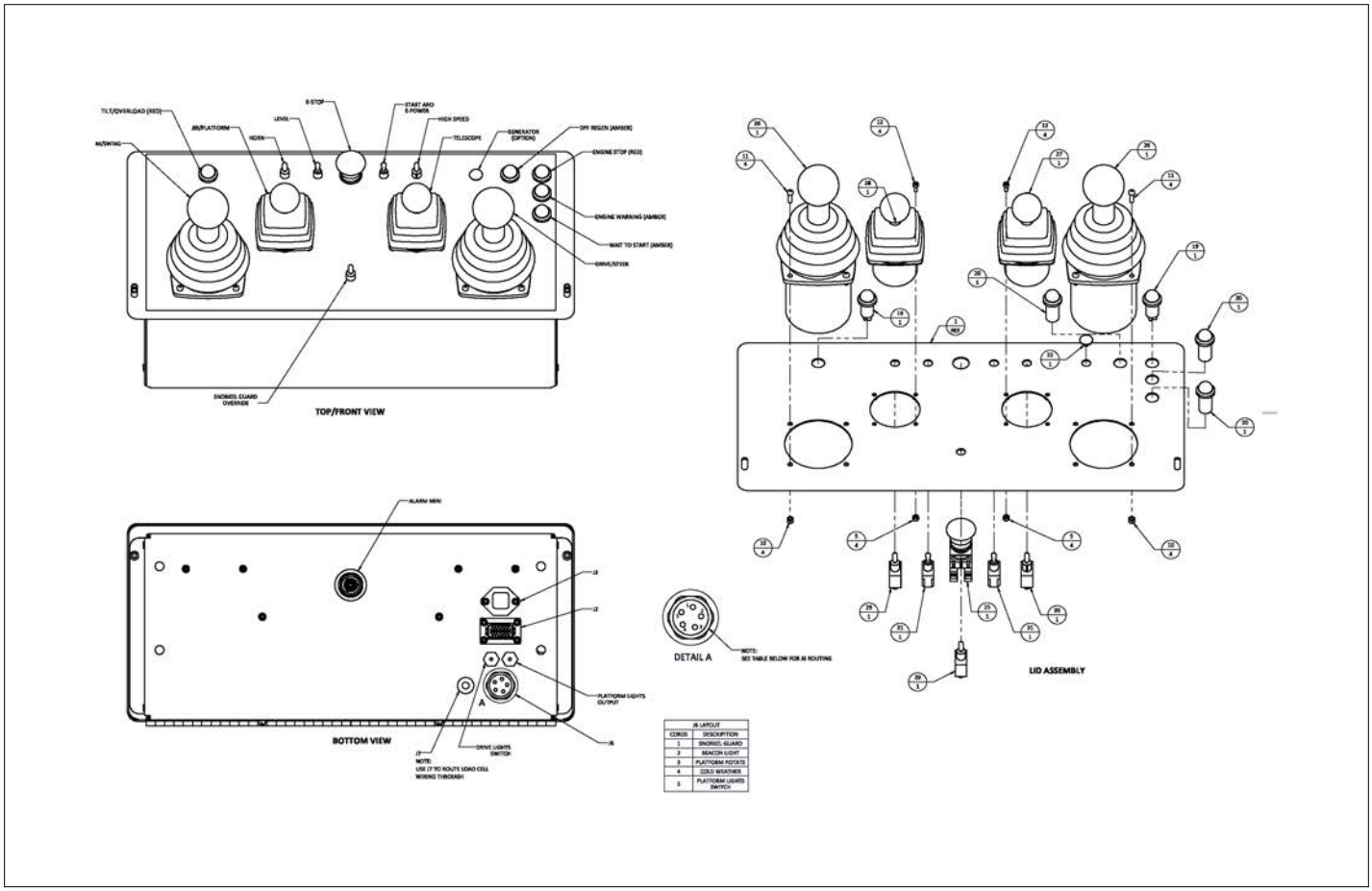
アイテム	部品番号	名前	数量	UOM
22	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	1	EA
23	5563780	GROMMET 3.75" ID MCM 9600K65	1	EA
24	3028880	TERMINAL BLOCK SINGLE ROW 699 GP 06	2	EA
25	3028927	SWITCH, PUSH/PULL ASSY, DPST	1	EA
26	3028852	BOOM TURRET AND DRIVE STICK CONTROLLER	2	EA
27	3028854	SINGLE AXIS TELESCOPE CONTROLLER 600S/660SJ	2	EA
28	3020015	Switch, Toggle - Honeywell INTI-6	2	EA
29	3020013	Switch, Toggle - Honeywell INTI-2	1	EA
30	3020016	Switch, Toggle - Honeywell INTI-7	2	EA
31	029925-000	CONNECTOR CABLE HEYC (Not illustrated)	2	EA
32	3014753	SNORKEL GUARD SENSOR (CABLE, M12 X 2M L)	1	M
33	3030179	HARNESS OVERLOAS CABLE	1	EA
34	3220023	CONN 9-PIN AMP	1	EA
35	3220183	CONNECTOR AMP 6 PIN PLUG	3	EA
36	3220024	CONNECTOR AMP 12 PIN 1-480-708	1	EA
37	3220163	CONNECTOR AMP 4 PIN 1-480702-0	3	EA
38	3220142	CONNECTOR AMP 15 PIN PLUG	3	EA
39	3220199	CONNECTOR AMP 3 PIN	2	EA
40	3049986	AMP SOCKET CONTACT	51	EA
41	3220089	DEUTSCH 4-PIN BLKHD CON DTP04--4P-L012	1	EA
42	3220276	LOCK WEDGE 4-PIN WP-4P	1	EA
43	3049837	CONNECTOR 12-PIN BHD	1	EA

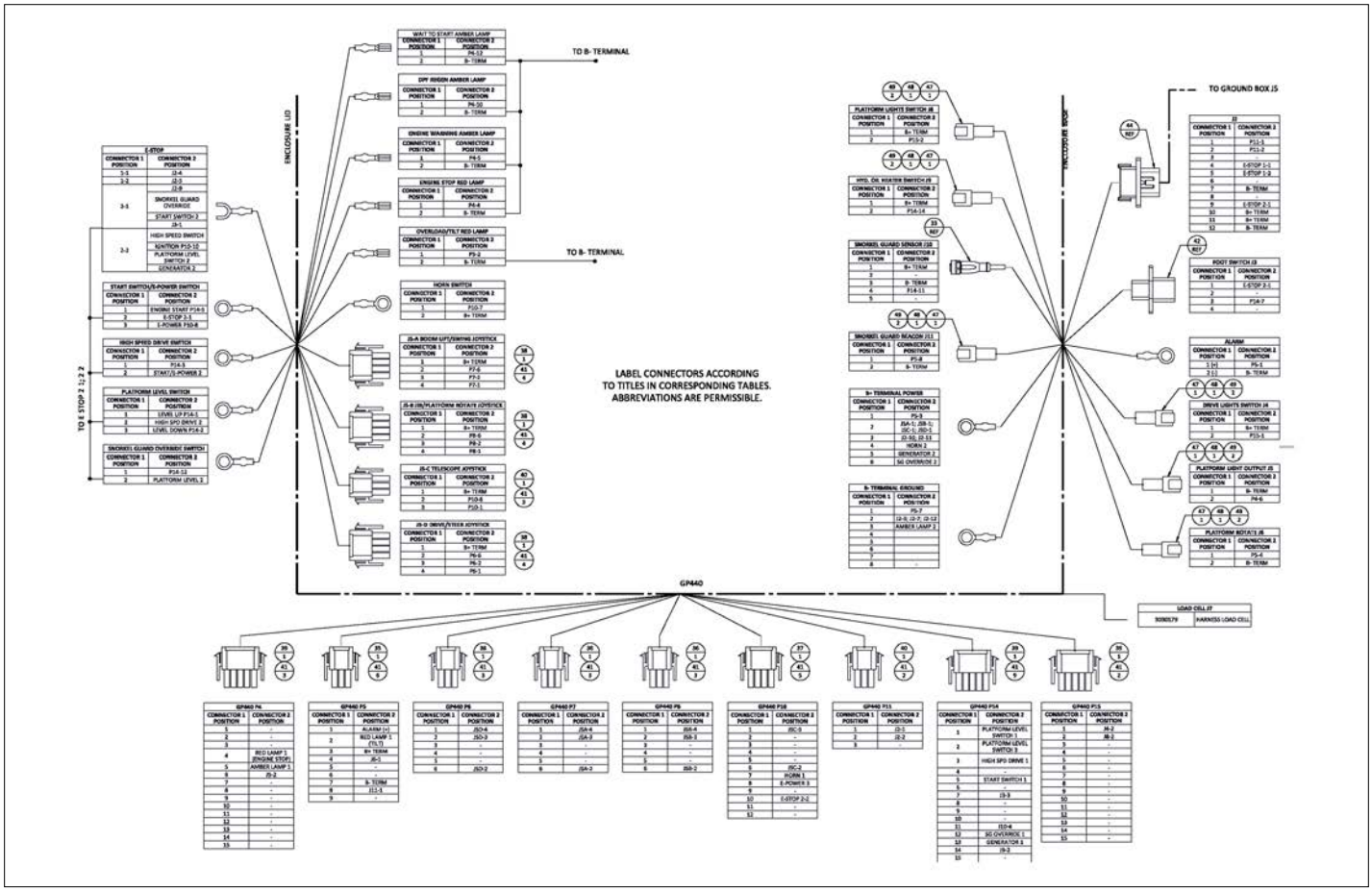
アイテム	部品番号	名前	数量	UOM
44	509744-000	Wedge, Deutsch W12P	1	EA
45	12554-026	PIN SIZE-12 (12-14GA) DTP	11	EA
46	12556-009	RECEPTACLE 2 WIRE DT04-2P*****	6	EA
47	12556-016	WEDGELOCK FOR DT04-2P*******	6	EA
48	12554-025	PIN SIZE-16 (14GA) DT	12	EA
49	3069548	LIGHT, GREEN LED 12V 11/16	1	EA

ELECTRICAL




GP 440


TOP/FRONT VIEW
BOTTOM VIEW
DETAIL A
LID ASSEMBLY


ENCLOSURE LID
ENCLOSURE BOX
TO B- TERMINAL
TO B- TERMINAL
TO GROUND BOX J5
LABEL CONNECTORS ACCORDING
TO TITLES IN CORRESPONDING TABLES.
ABBREVIATIONS ARE PERMISSIBLE.
GP440

WIRE				CONNECTOR 1					CONNECTOR 2				
WIRE #	AWG	COLOR	DESCRIPTION	CONNECTOR	DESIGNATION / PN	POSITION	TYPE	SUPPLIER PN	CONNECTOR	DESIGNATION / PN	POSITION	TYPE	SUPPLIER PN
W01	18	Wht	Engine Red Stop Lamp	GP440 P4	CONNECTOR AMP 15 PIN 1-480710-0	P4-4	AMP SOCKET CONTACT	350560-1	AMP Tyco	PEMD5OFI 16/14	Red Lamp	Female	3-520478-2
W02	18	Wht	Engine Amber Warning Lamp	GP440 P4	CONNECTOR AMP 15 PIN 1-480710-0	P4-5	AMP SOCKET CONTACT	350560-1	AMP Tyco	PEMD5OFI 16/14	Amb Lamp	Female	3-520408-2
W03	18	Wht	Platform Work Lights	GP440 P4	CONNECTOR AMP 15 PIN 1-480710-0	P4-6	AMP SOCKET CONTACT	350560-1	J5 Deutsch 2 Pin	DT04-2P	J5-2	Male Pin	0460-215-16141
W06	18	Wht	Upper Alarm	GP440 P5	CONNECTOR AMP 9 pin 1-480708-0	P5-1	AMP SOCKET CONTACT	350560-1	PANDUIT	TERM RBI 16/14	Alarm (+)	Ring Term	PV14-8R-C
W07	18	Wht	Overload / Tilt Lamp	GP440 P5	CONNECTOR AMP 9 pin 1-480708-0	P5-2	AMP SOCKET CONTACT	350560-1	AMP Tyco	PEMD5OFI 16/14	Tilt Lamp	Female	3-520408-2
W08	18	Wht	12V supply from TRM 8+	GP440 P5	CONNECTOR AMP 9 pin 1-480708-0	P5-3	AMP SOCKET CONTACT	350560-1	PANDUIT	TERM RBI 16/14	B+ Term	Ring Term	PV14-8R-C
W09	18	Wht	Platform rotate enable valve	GP440 P5	CONNECTOR AMP 9 pin 1-480708-0	P5-4	AMP SOCKET CONTACT	350560-1	J6 Deutsch 2 Pin	DT04-2P	J6-1	Male Pin	0460-215-16141
W10	18	Blk	Battery Ground supply	GP440 P5	CONNECTOR AMP 9 pin 1-480708-0	P5-7	AMP SOCKET CONTACT	350560-1	PANDUIT	TERM RBI 16/14	Grnd Term	Ring Term	PV14-8R-C
W11	18	Red	Snorkel Guard RI Flashing Light	GP440 P5	CONNECTOR AMP 9 pin 1-480708-0	P5-8	AMP SOCKET CONTACT	350560-1	J11 Deutsch 3 Pin	DT04-2P	J11-1	Male Pin	0460-215-16141
W12	18	Wht	Drive	GP440 P6	CONNECTOR AMP 6 pin 1-480704-0	P6-1	AMP SOCKET CONTACT	350560-1	JSD AMP 4 SOC	1-480703-0	JSD-4	Male Pin	350547-1
W13	18	Wht	Steer	GP440 P6	CONNECTOR AMP 6 pin 1-480704-0	P6-2	AMP SOCKET CONTACT	350560-1	JSD AMP 4 SOC	1-480703-0	JSD-3	Male Pin	350547-1
W14	18	Blk	Ground	GP440 P6	CONNECTOR AMP 6 pin 1-480704-0	P6-6	AMP SOCKET CONTACT	350560-1	JSD AMP 4 SOC	1-480703-0	JSD-2	Male Pin	350547-1
W15	18	Nt	B+ Terminal	B+ TERM	TERM BLCK, SGL ROW 699 GP 05 W/ RJ5	B+ TERM	RING TERM RBI 16/14	PV14-8R-C	ISD AMP 4 SOC	1-480703-0	JSD-1	Male Pin	350547-1
W16	18	Wht	Lift	GP440 P7	CONNECTOR AMP 6 pin 1-480704-0	P7-1	AMP SOCKET CONTACT	350560-1	JSA AMP 4 SOC	1-480703-0	JSA-4	Male Pin	350547-1
W17	18	Wht	Swing	GP440 P7	CONNECTOR AMP 6 pin 1-480704-0	P7-2	AMP SOCKET CONTACT	350560-1	JSA AMP 4 SOC	1-480703-0	JSA-3	Male Pin	350547-1
W18	18	Blk	Ground	GP440 P7	CONNECTOR AMP 6 pin 1-480704-0	P7-6	AMP SOCKET CONTACT	350560-1	JSA AMP 4 SOC	1-480703-0	JSA-2	Male Pin	350547-1
W19	18	Wht	B+ Terminal	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B+ TERM	RING TERM RBI 16/14	PV14-8R-C	JSA AMP 4 SOC	1-480703-0	JSA-1	Male Pin	350547-1
W20	18	Wht	Jib	GP440 P8	CONNECTOR AMP 6 pin 1-480704-0	P8-1	AMP SOCKET CONTACT	350560-1	JSB AMP 4 SOC	1-480703-0	JSB-4	Male Pin	350547-1
W21	18	Wht	Platform Rotate	GP440 P8	CONNECTOR AMP 6 pin 1-480704-0	P8-2	AMP SOCKET CONTACT	350560-1	JSB AMP 4 SOC	1-480703-0	JSB-3	Male Pin	350547-1
W22	18	Blk	Ground	GP440 P8	CONNECTOR AMP 6 pin 1-480704-0	P8-6	AMP SOCKET CONTACT	350560-1	JSB AMP 4 SOC	1-480703-0	JSB-2	Male Pin	350547-1
W23	18	Wht	B+ Terminal	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B+ TERM	RING TERM RBI 16/14	PV14-8R-C	JSB AMP 4 SOC	1-480703-0	JSB-1	Male Pin	350547-1
W24	18	Wht	Boom Extend/Retract	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-1	AMP SOCKET CONTACT	350560-1	JSC AMP 4 SOC	1-480703-0	JSC-3	Male Pin	350547-1
W25	18	Blk	Ground	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-8	AMP SOCKET CONTACT	350560-1	JSC AMP 4 SOC	1-480703-0	JSC-2	Male Pin	350547-1
W26	18	Wht	Horn sw	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-7	AMP SOCKET CONTACT	350560-1	PANDUIT	TERM RBI 16/14	Horn	Ring Term	PV14-8R-C
W27	18	Wht	Emergency power (more)	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-8	AMP SOCKET CONTACT	350560-1	PANDUIT	TERM RBI 18/14	E-Power	Ring Term	PV14-8R-C
W28	18	Wht	Ignition	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-10	AMP SOCKET CONTACT	350560-1	PANDUIT	Term R6	E-Stop 2	Fork Term	PV18-6FN
W30	18	Wht	B+ Terminal	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B+ TERM	RING TERM RBI 16/14	PV14-8R-C	JSC AMP 4 SOC	1-480703-0	JSC-1	Male Pin	350547-1
W31	18	Wht	CANH VCCM-P13-1	GP440 P13	CONNECTOR AMP 3 pin 1-480700-0	P13-1	AMP SOCKET CONTACT	350560-1	J2 Deutsch 12 Pin	DT04-12PA-LC12	J2 -1	Male Pin	0460-215-16141
W32	18	Wht	CANL VCCM-P13-2	GP442 P13	CONNECTOR AMP 3 pin 1-480700-0	P13-2	AMP SOCKET CONTACT	350560-1	J2 Deutsch 12 Pin	DT04-12PA-LC12	J2-2	Male Pin	0460-215-16141
W33	18	Wht	platform level up	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-1	AMP SOCKET CONTACT	350560-1	PANDUIT	TERM RBI 16/14	level up sw	Ring Term	PV14-8R-C
W34	18	Wht	platform level down	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-2	AMP SOCKET CONTACT	350560-1	PANDUIT	TERM RBI 16/14	level dn sw	Ring Term	PV14-8R-C
W35	18	Wht	High Speeed Drive	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-3	AMP SOCKET CONTACT	350560-1	PANDUIT	TERM RBI 16/14	high spd drive	Ring Term	PV14-8R-C
W36	18	Wht	Start sw (nom.)	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-5	AMP SOCKET CONTACT	350560-1	PANDUIT	TERM RBI 16/14	start switch	Ring Term	PV14-8R-C
W37	18	Wht	Enable Tool sw	GP442 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-7	AMP SOCKET CONTACT	350560-1	J3 Deutsch 4 Pin	DT04-4P-LC12	J3-3	Male Pin	0460-215-16141
W38	18	Blk	Snorkel Guard prox sw.	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-11	AMP SOCKET CONTACT	350560-1	PROX SW CABLE SET	3014753	J10-4	Cord Set	IFM M12X2ML
W39	18	Wht	Snorkel Guard override sw.	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-12	AMP SOCKET CONTACT	350560-1	PANDUIT	TERM RBI 16/14	SG Override	Ring Term	PV14-8R-C
W40	18	Wht	Generator sw	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-13	AMP SOCKET CONTACT	350560-1	PANDUIT	TERM RBI 16/14	Generator	Ring Term	PV14-8R-C
W41	18	Wht	Hydaulic Warm-Up switch	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-14	AMP SOCKET CONTACT	350560-1	J9 Deutsch 2 Pin	DT04-2P	J9-2	Male Pin	0460-215-16141
W42	18	Wht	Drive lights sw.	GP440 P15	CONNECTOR AMP 13 pin 1-480710-0	P15-1	AMP SOCKET CONTACT	350560-1	J4 Deutsch 2 Pin	DT04-2P	J4-2	Male Pin	0460-215-16143
W43	18	Wht	Platform Work lights sw.	GP440 P15	CONNECTOR AMP 15 pin 1-480710-0	P15-2	AMP SOCKET CONTACT	350560-1	J8 Deutsch 2 Pin	DT04-2P	J8-2	Male Pin	0460-215-16141
W45	18	Wht	E-Stop Power	J3	DEUTSCH 12 PIN DT04-12P-LC012	J3-4	Male Pin Size 16 16/18	0460-215-16143	E-STOP SW	PANDUIT Term R6	E-1	Fork Term	PV18-6FN
W46	18	Wht	E-Stop Power	J3	DEUTSCH 12 PIN DT04-12P-LC012	J2-5	Male Pin Size 16 16/18	0460-215-16143	E-STOP SW	PANDUIT Term R6	E-2	Fork Term	PV18-6FN
W47	18	Blk	TRM 1 Input	J2	DEUTSCH 12 PIN DT04-12P-LC012	J2-7	Male Pin Size 16 16/18	0460-215-16141	Grnd 8- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W48	18	Wht	TRM 1 Input	J3	DEUTSCH 12 PIN DT04-12P-LC012	J2-9	Male Pin Size 16 16/18	0460-215-16143	E-STOP SW	PANDUIT Term R6	E-1	Fork Term	PV18-6FN
W49	18	Wht	B+ Power	J2	DEUTSCH 12 PIN DT04-12P-LC012	J2-10	Male Pin Size 16 16/18	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W50	18	Wht	B+ Power	J3	DEUTSCH 12 PIN DT04-12P-LC012	J2-11	Male Pin Size 16 16/18	0460-215-16143	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W51	18	Blk	Ground	J2	DEUTSCH 12 PIN DT04-12P-LC012	J2-12	Male Pin Size 16 16/18	0460-215-16141	Grnd 8- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W52	18	Wht	FOOT SWITCH B+ E-STOP	J3 4 Pin	Deutsch DT04-4P-L012	J3-1	Male Pin	0460-215-16141	E-STOP SW	PANDUIT Term R6	E-1	Fork Term	PV18-6FN
W53	18	Blk	GRND	ALARM	TERM RBI 16/14	Alarm (-)	Ring Term	PV14-8R-C	Grnd 8- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W54	18	Wht	B+	J4	DEUTSCH DT04-2P	J4-1	Male Pin	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W55	18	Blk	GRND	J5	DEUTSCH DT04-2P	J5-1	Male Pin	0460-215-16141	Grnd 8- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W56	18	Blk	GRND	J6	DEUTSCH DT04-2P	J6-1	Male Pin	0460-215-16141	Grnd 8- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W57	18	Wht	B+	J8	DEUTSCH DT04-2P	J8-1	Male Pin	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W58	18	Wht	B+	J9	DEUTSCH DT04-2P	J9-1	Male Pin	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W59	18	Wht	B+	J10	PROX SW CABLE SET PN 3014753	J10-1	Cord Set	IFM M12X2ML	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W60	18	Blk	GRND	J10	PROX SW CABLE SET PN 3014753	J10-3	Cord Set	IFM M12X2ML	Grnd 8- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W61	18	Blk	GRND	J11	DEUTSCH DT04-2P	J11-2	Male Pin	0460-215-16141	Grnd 8- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W62	18	Wht	E-STOP SW	E-STOP	PANDUIT TERM RBI 16/14	J1-1	Ring Term	PV14-8R-C	START / E-POWER SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W63	18	Wht	JUMPER STJ E-POWER SW	ST/E-P SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	HIGH SPEED DRIVE SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W64	18	Wht	JUMPER H SPEED DR SW	HS DR SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	PLATFORM LEVEL SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W65	18	Wht	JUMPER PLAT LEVEL SW	P LEVEL SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	SNORKEL GD OVERRIDE SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W66	18	Wht	JUMPER SED OVERRIDE SW	SN GD OR SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	GENERATOR ON/OFF SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W67	18	Wht	HORN SW	HORN SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	B+ TERM	PANDUIT TERM RBI 16/14	B+ TERM	Ring Term	PV14-8R-C
W68	18	Blk	GRND TERM	Grnd 8- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B- TERM	RING TERM RBI 16/14	PV14-8R-C	GLOW PLUGS	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W69	18	Blk	GRND JUMPER	GLOW PLUGS	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	AMBER ENGINE WARNING	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W70	18	Blk	GRND JUMPER	AMBER ENGINE WARNING	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	RED ENGINE WARNING	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W71	18	BLK	GRND JUMPER	RED ENGINE WARNING	PANDUIT TERM RB1 16/14	2	RING TERM	PV14-8R-C	RIGEN AMBER	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W72	18	Blk	GRND TERM	Grnd 9- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJ5	B- TERM	RING TERM RBI 16/14	PV14-8R-C	OVERLOAD/TILT RED LAMP	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C

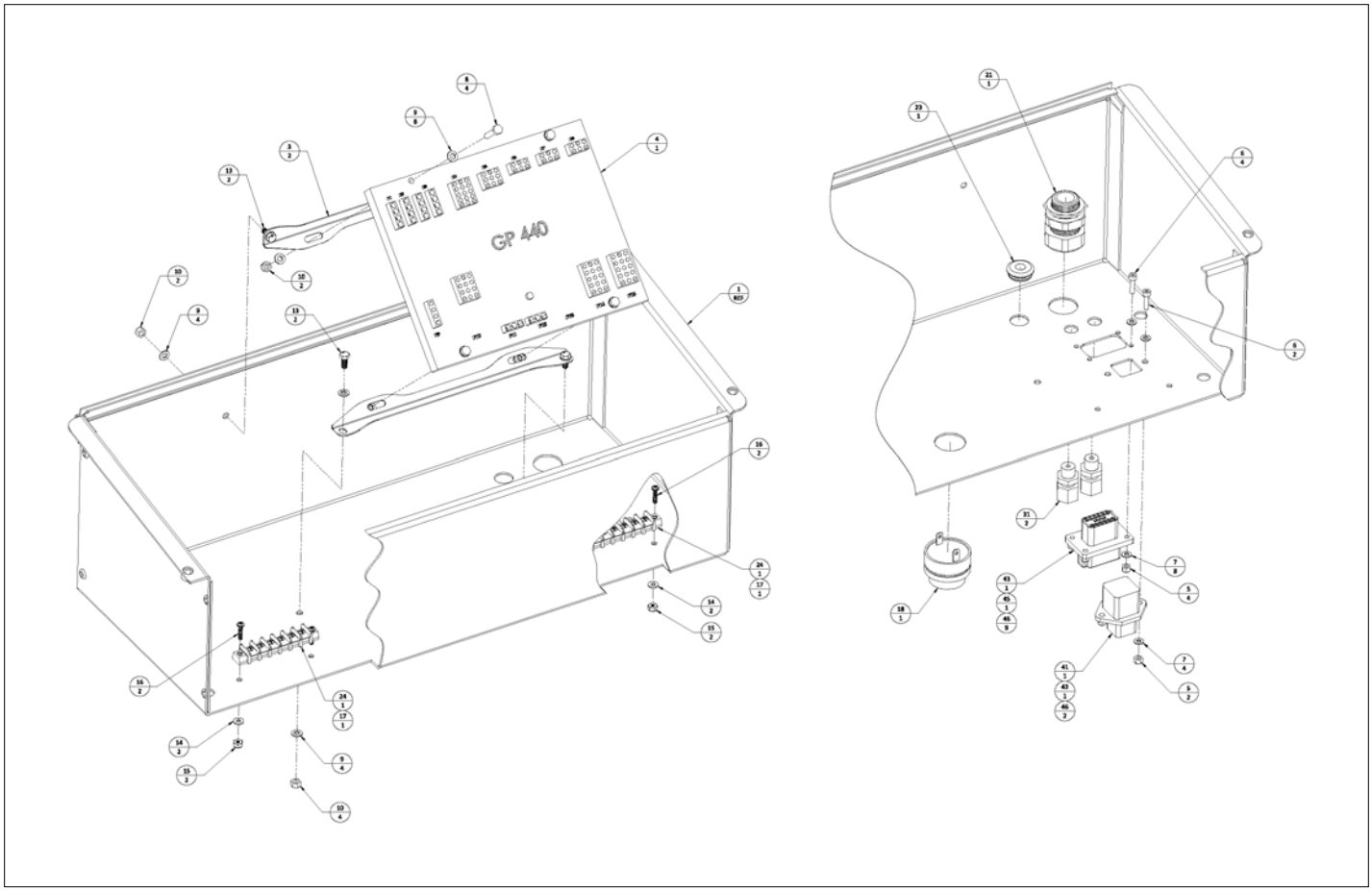
アイテム	部品番号	名前	数量	UOM
*	1434090 B	UPPER CONTROL BOX ASSEMBLY 460SJ 660SJ DEUTZ STAGE 5 MAY 2019 AND AFTER		EA
1	1434089	WLDT,UPR CTRL BX,460/660 DEUS5	1	EA
2	1434088	DECAL,UPR CTRL BX,460/660 DEUT	1	EA
3	1431549	BRKT, GP440 UPR CTL	2	EA
4	3030173	GP440	1	EA
5	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	14	EA
6	510563-016	Bolt, SktCapScrew DIN912 M4 x	6	EA
7	056069-004	Wshr, SteelFlatWshr M4 DIN125	12	EA
8	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	4	EA
9	056069-005	Washer SteelFlatWasher DIN125A	16	EA
10	056064-005	Nut, NylockNut DIN985 M5 10.0	16	EA
11	505082-016	Bolt, SktButCapScrew DIN9427 M	8	EA
12	058500-010	Bolt, SktCapScrew DIN912 M4 x	8	EA
13	5563692	BOLT HXHD M5X.8X12 YL ZN PLT GR 8.8	4	EA
14	5563694	WASHER FLAT #6 YL ZN PLT GR8	4	EA
15	5563695	LOCKNUT HEX 6-32 ZN PLT	4	EA
16	5563693	SCREW PAN HD 6-32 X 5/8" ZN PLT	4	EA
17	3028881	JUMPER RJS TYPE 601RJS-06	2	EA
18	3040411	Alarm Buzzer	1	EA
19	3069524	LIGHT RED LED 12V	2	EA
20	3069544	LIGHT AMBER LED 12V .69DIA MTG	3	EA
21	3028877	GRIP CORD MULTICORD 1.43" HEX 3/4 NPT	1	EA

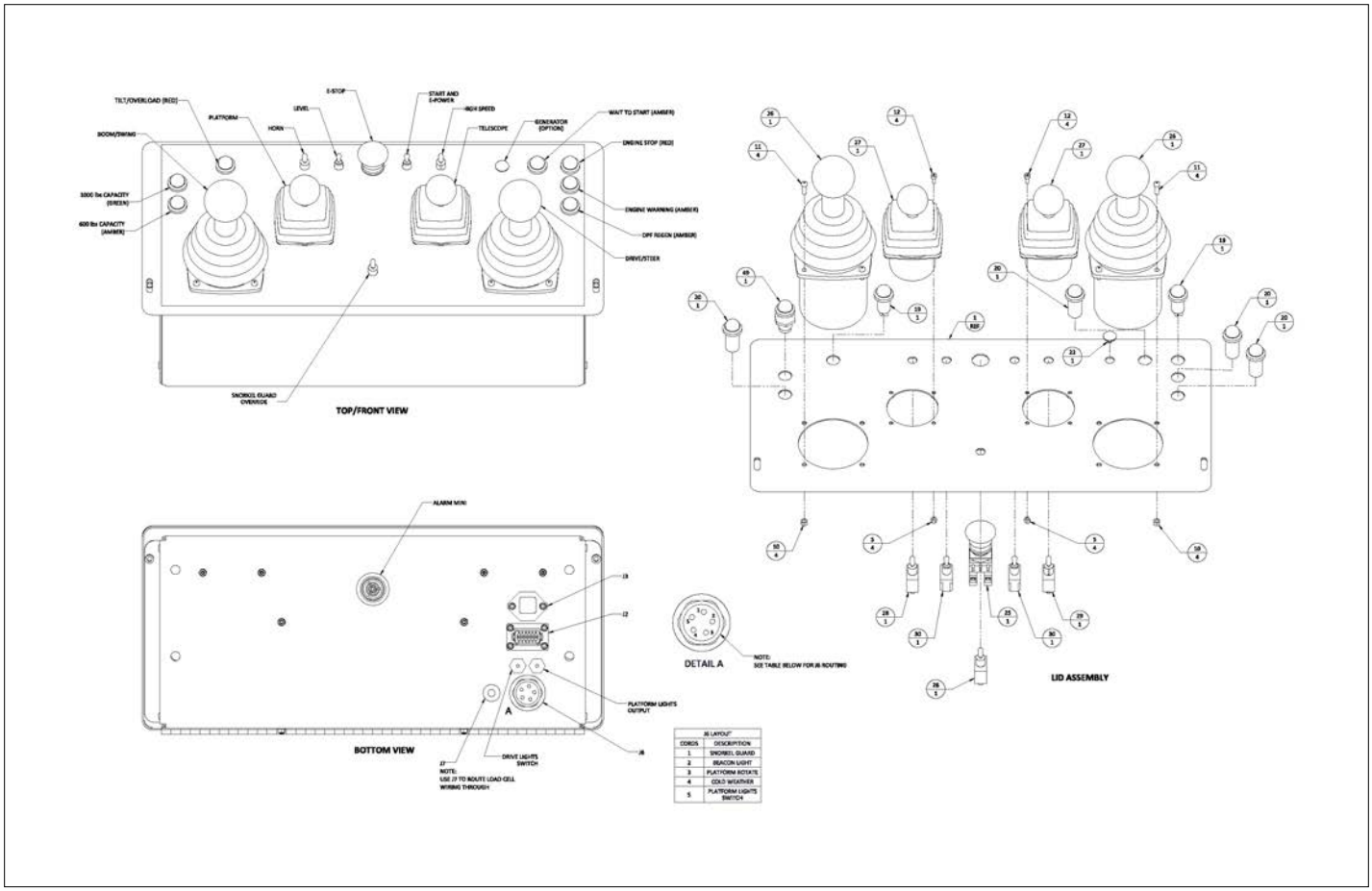
アイテム	部品番号	名前	数量	UOM
22	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	1	EA
23	5563780	GROMMET 3.75" ID MCM 9600K65	1	EA
24	3028880	TERMINAL BLOCK SINGLE ROW 699 GP 06	1	EA
25	3028927	SWITCH, PUSH/PULL ASSY, DPST	1	EA
26	3028852	BOOM TURRET AND DRIVE STICK CONTROLLER	1	EA
27	3028854	SINGLE AXIS TELESCOPE CONTROLLER 600S/660SJ	2	EA
28	3028853	TWO AXIS JIB AND PLATFORM JOYSTICK CONTROLLER 600S/660SJ	1	EA
29	3020015	Switch, Toggle - Honeywell INTI-6	2	EA
30	3020013	Switch, Toggle - Honeywell INTI-2	1	EA
31	3020016	Switch, Toggle - Honeywell INTI-7	2	EA
32	029925-000	CONNECTOR CABLE HEYC (Not illustrated)	2	EA
33	3014753	SNORKEL GUARD SENSOR (CABLE, M12 X 2M L)	1	M
34	3030179	HARNESS OVERLOAS CABLE	1	EA
35	3220023	CONN 9-PIN AMP	1	EA
36	3220183	CONNECTOR AMP 6 PIN PLUG	3	EA
37	3220024	CONNECTOR AMP 12 PIN 1-480-708	1	EA
38	3220163	CONNECTOR AMP 4 PIN 1-480702-0	3	EA
39	3220142	CONNECTOR AMP 15 PIN PLUG	3	EA
40	3220199	CONNECTOR AMP 3 PIN	2	EA
41	3049986	AMP SOCKET CONTACT	51	EA
42	3220089	DEUTSCH 4-PIN BLKHD CON DTP04--4P-L012	1	EA

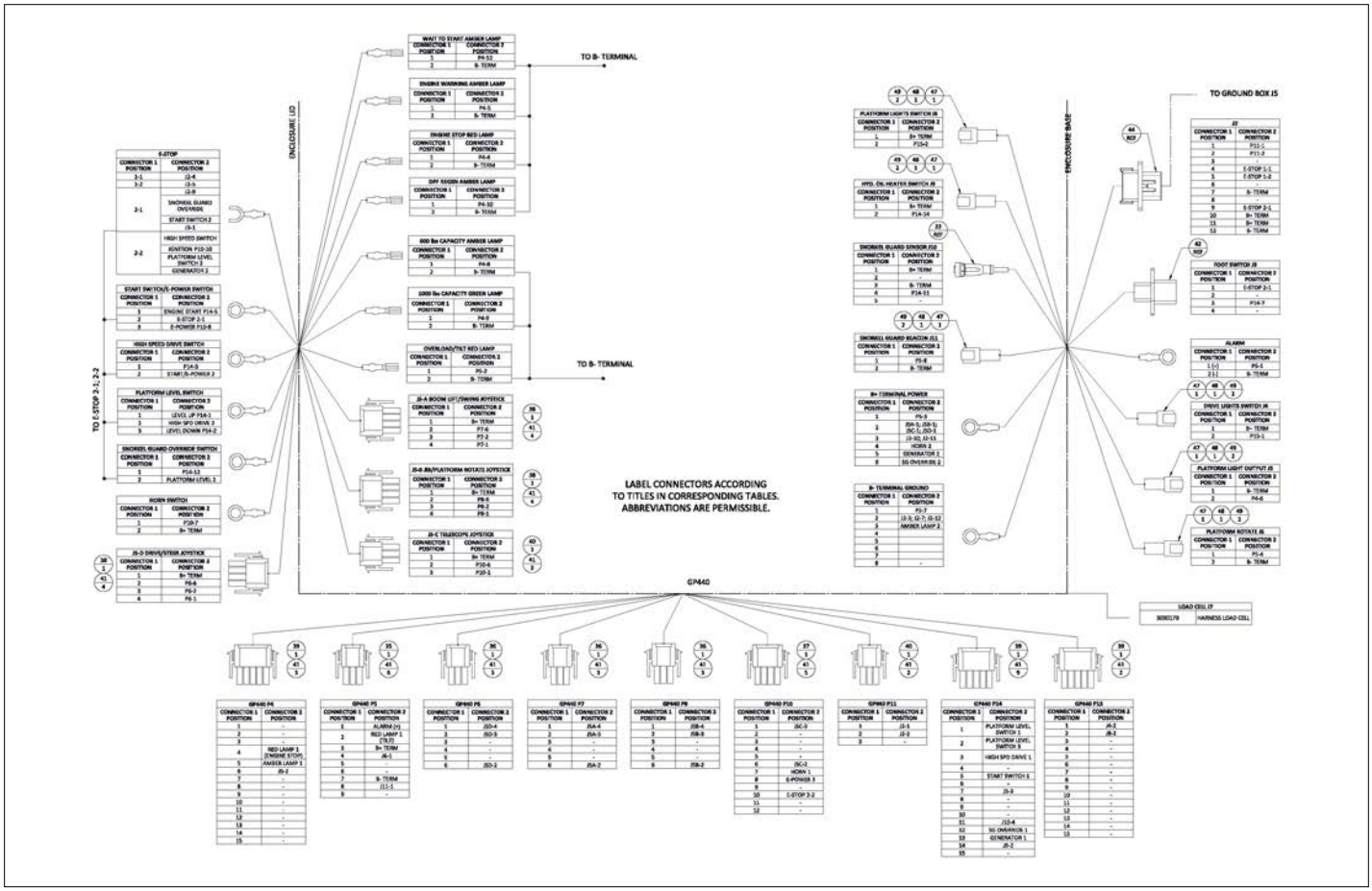
アイテム	部品番号	名前	数量	UOM
43	3220276	LOCK WEDGE 4-PIN WP-4P	1	EA
44	3049837	CONNECTOR 12-PIN BHD	1	EA
45	509744-000	Wedge, Deutsch W12P	1	EA
46	12554-026	PIN SIZE-12 (12-14GA) DTP	11	EA
47	12556-009	RECEPTACLE 2 WIRE DT04-2P*****	6	EA
48	12556-016	WEDGELOCK FOR DT04-2P********	6	EA
49	12554-025	PIN SIZE-16 (14GA) DT	12	EA

ELECTRICAL




GP 440


TOP/FRONT VIEW
BOTTOM VIEW
DETAIL A
LID ASSEMBLY


ENCLOSURE LID
ENCLOSURE BASE
TO B- TERMINAL
TO B- TERMINAL
TO GROUND BOX J5
LABEL CONNECTORS ACCORDING
TO TITLES IN CORRESPONDING TABLES.
ABBREVIATIONS ARE PERMISSIBLE.
GP440
TO E-STOP 2-1, 2-2

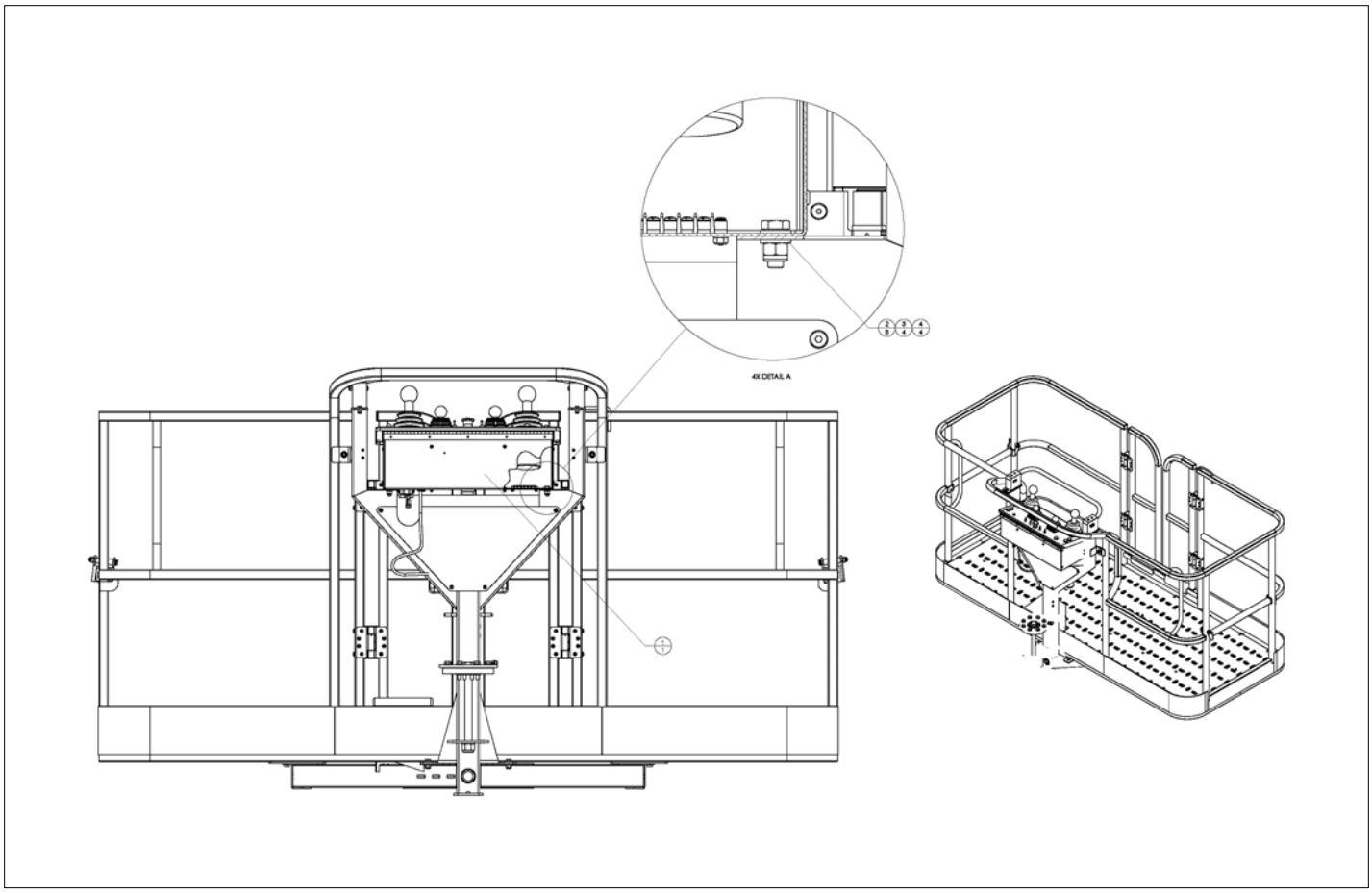
		WIRE	CONNECTOR 1					CONNECTOR 2				
WIRE #	AWG	COLOR	DESCRIPTION	CONNECTOR	DESIGNATION / PR	POSITION	TYPE	SUPPLIER PN	CONNECTOR	DESIGNATION / PR	POSITION	TYPE	SUPPLIER PN
W01	18	Wht	Engine Red Stop Lamp	GP440 P4	CONNECTOR AMP 15 PIN 1-480710-0	P4-4	AMP SOCKET CONTACT	350550-1	AMP Tyco	FEM250FI 16/14	Red Lamp	Female	3-520408-2
W02	18	Wht	Engine Amber Warning Lamp	GP440 P4	CONNECTOR AMP 15 PIN 1-480710-0	P4-5	AMP SOCKET CONTACT	350550-1	AMP Tyco	FEM250FI 16/14	Amb Lamp	Female	3-520408-2
W03	18	Wht	Platform Work Lights	GP440 P4	CONNECTOR AMP 15 PIN 1-480710-0	P4-6	AMP SOCKET CONTACT	350550-1	J1 Deutsch 2 Pin	DT04-2P	J3-2	Male Pin	0460-215-16141
W06	18	Wht	upper Alarm	GP440 P5	CONNECTOR AMP 9 pin 1-480706-0	P5-1	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	Alarm (+)	Ring Term	PV14-8R-C
W07	18	Wht	Overload / Tilt Lamp	GP440 P5	CONNECTOR AMP 9 pin 1-480706-0	P5-2	AMP SOCKET CONTACT	350550-1	AMP Tyco	FEM250FI 16/14	TBI Lamp	Female	3-520408-2
W08	18	Wht	12V supply from TBM B+	GP440 P5	CONNECTOR AMP 9 pin 1-480706-0	P5-3	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	B+ Term	Ring Term	PV14-8R-C
W09	18	Wht	Platform rotate enable valve	GP440 P5	CONNECTOR AMP 9 pin 1-480706-0	P5-4	AMP SOCKET CONTACT	350550-1	J6 Deutsch 2 Pin	DT04-2P	J6-1	Male Pin	0460-215-16141
W10	18	Blk	factory Ground supply	GP440 P5	CONNECTOR AMP 9 pin 1-480706-0	P5-7	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	Grnd Term	Ring Term	PV14-8R-C
W11	18	Red	Snorkel Guard SI Flashing Light	GP440 P5	CONNECTOR AMP 9 pin 1-480706-0	P5-8	AMP SOCKET CONTACT	350550-1	J11 Deutsch 2 Pin	DT04-2P	J11-1	Male Pin	0460-215-16141
W12	18	Wht	Drive	GP440 P6	CONNECTOR AMP 6 pin 1-480704-0	P6-1	AMP SOCKET CONTACT	350550-1	JSD AMP 4 SOC	1-480703-0	JSD-4	Male Pin	350547-1
W13	18	Wht	Steer	GP442 P6	CONNECTOR AMP 6 pin 1-480704-0	P6-3	AMP SOCKET CONTACT	350550-1	JSD AMP 4 SOC	1-480703-0	JSD-3	Male Pin	350547-1
W14	18	Blk	Ground	GP440 P6	CONNECTOR AMP 6 pin 1-480704-0	P6-6	AMP SOCKET CONTACT	350550-1	JSD AMP 4 SOC	1-480703-0	JSD-2	Male Pin	350547-1
W15	18	Nt	B+ Terminal	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C	JSD AMP 4 SOC	1-480703-0	JSD-1	Male Pin	350547-1
W16	18	Wht	Lift	GP442 P7	CONNECTOR AMP 6 pin 1-480704-0	P7-1	AMP SOCKET CONTACT	350550-1	JSA AMP 4 SOC	1-480703-0	JSA-4	Male Pin	350547-1
W17	18	Wht	Swing	GP442 P7	CONNECTOR AMP 6 pin 1-480704-0	P7-2	AMP SOCKET CONTACT	350550-1	JSA AMP 4 SOC	1-480703-0	JSA-3	Male Pin	350547-1
W18	18	Blk	Ground	GP442 P7	CONNECTOR AMP 6 pin 1-480704-0	P7-6	AMP SOCKET CONTACT	350550-1	JSA AMP 4 SOC	1-480703-0	JSA-2	Male Pin	350547-1
W19	18	Wht	B+ Terminal	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C	JSA AMP 4 SOC	1-480703-0	JSA-1	Male Pin	350547-1
W20	18	Wht	Jib	GP440 P8	CONNECTOR AMP 6 pin 1-480704-0	P8-1	AMP SOCKET CONTACT	350550-1	JSB AMP 4 SOC	1-480703-0	JSB-4	Male Pin	350547-1
W21	18	Wht	Platform Rotate	GP440 P8	CONNECTOR AMP 6 pin 1-480704-0	P8-2	AMP SOCKET CONTACT	350550-1	JSB AMP 4 SOC	1-480703-0	JSB-3	Male Pin	350547-1
W22	18	Blk	Ground	GP440 P8	CONNECTOR AMP 6 pin 1-480704-0	P8-6	AMP SOCKET CONTACT	350550-1	JSB AMP 4 SOC	1-480703-0	JSB-2	Male Pin	350547-1
W23	18	Wht	B+ Terminal	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C	JSB AMP 4 SOC	1-480703-0	JSB-1	Male Pin	350547-1
W24	18	Wht	Boom Extend/Retract	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-1	AMP SOCKET CONTACT	350550-1	JSC AMP 4 SOC	1-480703-0	JSC-3	Male Pin	350547-1
W25	18	Blk	Ground	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-6	AMP SOCKET CONTACT	350550-1	JSC AMP 4 SOC	1-480703-0	JSC-2	Male Pin	350547-1
W26	18	Wht	Horn sw	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-7	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	Horn	Ring Term	PV14-8R-C
W27	18	Wht	Emergency power (room)	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-8	AMP SOCKET CONTACT	350590-1	PANDUIT	TERM RBI 16/14	E-Power	Ring Term	PV14-8R-C
W28	18	Wht	Ignition	GP440 P10	CONNECTOR AMP 12 pin 1-480708-0	P10-10	AMP SOCKET CONTACT	350536-1	PANDUIT	Term R6	E-Stop 2	Fork Term	PV18-6FN
W30	18	Wht	B+ Terminal	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C	JSC AMP 4 SOC	1-480703-0	JSC-1	Male Pin	350547-1
W31	18	Wht	CANH VCCM-P13-1	GP440 P11	CONNECTOR AMP 9 pin 1-480700-0	P11-1	AMP SOCKET CONTACT	350550-1	J2 Deutsch 12 Pin	DT04-12PA-LO12	J2 -1	Male Pin	0460-215-16141
W32	18	Wht	CANL VCCM-P13-2	GP440 P13	CONNECTOR AMP 9 pin 1-480700-0	P11-2	AMP SOCKET CONTACT	350550-1	J2 Deutsch 12 Pin	DT04-12PA-LO12	J2-2	Male Pin	0460-215-16141
W33	18	Wht	platform level up	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-1	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	level up sw	Ring Term	PV14-8R-C
W34	18	Wht	platform level down	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-2	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	level dn sw	Ring Term	PV14-8R-C
W35	18	Wht	High Speed Drive	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-3	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	high spd drive	Ring Term	PV14-8R-C
W36	18	Wht	Start sw (mom.)	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-5	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	start switch	Ring Term	PV14-8R-C
W37	18	Wht	Enable foot sw	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-7	AMP SOCKET CONTACT	350550-1	J3 Deutsch 4 Pin	DT04-4P-L012	J3-3	Male Pin	0460-215-16141
W38	18	Blk	Snorkel Guard prox sw.	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-11	AMP SOCKET CONTACT	350550-1	PROX SW CABLE SET	3014753	J10-4	Cord Set	IFM M12XZ0ML
W39	18	Wht	Snorkel Guard override sw.	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-12	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	SG Override	Ring Term	PV14-8R-C
W40	18	Wht	Generator sw	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-13	AMP SOCKET CONTACT	350550-1	PANDUIT	TERM RBI 16/14	Generator	Ring Term	PV14-8R-C
W41	18	Wht	Hydraulic Warm-Up switch	GP440 P14	CONNECTOR AMP 15 pin 1-480710-0	P14-14	AMP SOCKET CONTACT	350550-1	J3 Deutsch 2 Pin	DT04-2P	J3-2	Male Pin	0460-215-16141
W42	18	Wht	Drive lights sw.	GP440 P15	CONNECTOR AMP 15 pin 1-480710-0	P15-1	AMP SOCKET CONTACT	350550-1	J4 Deutsch 2 Pin	DT04-2P	J4-2	Male Pin	0460-215-16141
W43	18	Wht	Platform Work lights sw.	GP440 P15	CONNECTOR AMP 15 pin 1-480710-0	P15-2	AMP SOCKET CONTACT	350550-1	J8 Deutsch 2 Pin	DT04-2P	J8-2	Male Pin	0460-215-16141
W45	18	Wht	E-Stop Power	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-4	Male Pin Size 16 16/18	0460-215-16141	E-STOP SW	PANDUIT Term R6	1-1	Fork Term	PV18-6FN
W46	18	Wht	S-Stop Power	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-5	Male Pin Size 16 16/18	0460-215-16141	E-STOP SW	PANDUIT Term R6	1-2	Fork Term	PV18-6FN
W47	18	Blk	Ground	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-7	Male Pin Size 16 16/18	0460-215-16141	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W48	18	Wht	TBM 1 Input	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-9	Male Pin Size 16 16/18	0460-215-16141	E-STOP SW	PANDUIT Term R6	2-1	Fork Term	PV18-6FN
W49	18	Wht	B+ Power	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-10	Male Pin Size 16 16/18	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W50	18	Wht	B+ Power	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-11	Male Pin Size 16 16/18	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W51	18	Blk	Ground	J2	DEUTSCH 12 PIN DT04-12P-LO12	J2-12	Male Pin Size 16 16/18	0460-215-16141	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W52	18	Wht	FOOT SWITCH B+ E-STOP	J3 4 Pin	Deutsch DT04-4P-L012	J3-1	Male Pin	0460-215-16141	E-STOP SW	PANDUIT Term R6	2-1	Fork Term	PV18-6FN
W53	18	Blk	GRND	ALARM	TERM RBI 16/14	Alarm (-)	Ring Term	PV14-8R-C	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W54	18	Wht	B+	J4	DEUTSCH DT04-2P	J4-1	Male Pin	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W55	18	Blk	GRND	J5	DEUTSCH DT04-2P	J5-1	Male Pin	0460-215-16141	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W56	18	Blk	GRND	J6	DEUTSCH DT04-2P	J6-1	Male Pin	0460-215-16141	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	P5-4	RING TERM RBI 16/14	PV14-8R-C
W57	18	Wht	B+	J8	DEUTSCH DT04-2P	J8-1	Male Pin	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W58	18	Wht	B+	J9	DEUTSCH DT04-2P	J9-1	Male Pin	0460-215-16141	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W59	18	Wht	B+	J10	PROX SW CABLE SET PN 3014753	J10-1	Cord Set	IFM M12XZ0ML	B+ TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B+ TERM	RING TERM RBI 16/14	PV14-8R-C
W60	18	Blk	GRND	J10	PROX SW CABLE SET PN 3014753	J10-3	Cord Set	IFM M12XZ0ML	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W61	18	Blk	GRND	J11	DEUTSCH DT04-2P	J11-2	Male Pin	0460-215-16141	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C
W62	18	Wht	E-STOP SW	E-STOP	PANDUIT TERM RBI 16/14	2-1	Ring Term	PV14-8R-C	START / E-POWER SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W63	18	Wht	JUMPER ST/ E-POWER SW	ST/E-P SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	HIGH SPEED DRIVE SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W64	18	Wht	JUMPER HI SPEED DR SW	HS DR SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	PLATFORM LEVEL SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W65	18	Wht	JUMPER PLAT LEVEL SW	P LEVEL SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	SNORKEL GD OVERRIDE SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W66	18	Wht	JUMPER SGO-OVERRIDE SW	SN GD OR SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	GENERATOR ON/OFF SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W67	18	Wht	HORN SW	HORN SW	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	B+ TERM	PANDUIT TERM RBI 16/14	B+ TERM	Ring Term	PV14-8R-C
W68	18	Blk	GRND TERM	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C	GLOW PLUGS	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W69	18	Blk	GRND JUMPER	GLOW PLUGS	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	AMBER ENGINE WARNING	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W70	18	Blk	GRND JUMPER	AMBER ENGINE WARNING	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	RED ENGINE WARNING	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W71	18	Blk	GRND JUMPER	RED ENGINE WARNING	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C	DPF REGEN AMBER LAMP	PANDUIT TERM RBI 16/14	2	RING TERM	PV14-8R-C
W72	18	Blk	GRND TERM	Grnd B- TERM	TERM BLCK, SGL ROW 699 GP 06 W/ RJS	B- TERM	RING TERM RBI 16/14	PV14-8R-C	OVERLOAD/TILT RED LAMP	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W73	18	BLK	GRND JUMPER	OVERLOAD/TILT RED LAMP	PANDUIT TERM RBI 16/14	2	RING TERM	PV14-8R-C	1000 LBS CAP GREEN LAMP	PANDUIT TERM RBI 16/14	2	Ring Term	PV14-8R-C
W74	18	BLK	GRND JUMPER	1000 LBS CAP GREEN LAMP	PANDUIT TERM RBI 16/14	1	RING TERM	PV14-8R-C	600 LBS CAP AMBER LAMP	PANDUIT TERM RBI 16/14	2	RING TERM	PV14-8R-C

アイテム	部品番号	名前	数量	UOM
*	1434147 A	UPPER CONTROL BOX ASSEMBLY 400 600 DEUTZ STAGE 5		EA
1	1434142	WELDMENT, UPPER CTRL BOX, 400/600 DEUTZ S5	1	EA
2	1434092	DECAL, UPPER CTRL BOX, 400/600 DEUTZ S5	1	EA
3	1431549	BRKT, GP440 UPR CTL	2	EA
4	3030173	GP440	1	EA
5	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	14	EA
6	510563-016	Bolt, SktCapScrew DIN912 M4 x	6	EA
7	056069-004	Wshr, SteelFlatWshr M4 DIN125	12	EA
8	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	4	EA
9	056069-005	Washer SteelFlatWasher DIN125A	16	EA
10	056064-005	Nut, NylockNut DIN985 M5 10.0	16	EA
11	505082-016	Bolt, SktButCapScrew DIN9427 M	8	EA
12	058500-010	Bolt, SktCapScrew DIN912 M4 x	8	EA
13	5563692	BOLT HXHD M5X.8X12 YL ZN PLT GR 8.8	4	EA
14	5563694	WASHER FLAT #6 YL ZN PLT GR8	4	EA
15	5563695	LOCKNUT HEX 6-32 ZN PLT	4	EA
16	5563693	SCREW PAN HD 6-32 X 5/8" ZN PLT	4	EA
17	3028881	JUMPER RJS TYPE 601RJS-06	2	EA
18	3040411	Alarm Buzzer	1	EA
19	3069524	LIGHT RED LED 12V	2	EA
20	3069544	LIGHT AMBER LED 12V .69DIA MTG	4	EA
21	3028877	GRIP CORD MULTICORD 1.43" HEX 3/4 NPT	1	EA

アイテム	部品番号	名前	数量	UOM
22	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	1	EA
23	5563780	GROMMET 3.75" ID MCM 9600K65	1	EA
24	3028880	TERMINAL BLOCK SINGLE ROW 699 GP 06	2	EA
25	3028927	SWITCH, PUSH/PULL ASSY, DPST	1	EA
26	3028852	BOOM TURRET AND DRIVE STICK CONTROLLER	2	EA
27	3028854	SINGLE AXIS TELESCOPE CONTROLLER 600S/660SJ	2	EA
28	3020015	Switch, Toggle - Honeywell INTI-6	2	EA
29	3020013	Switch, Toggle - Honeywell INTI-2	1	EA
30	3020016	Switch, Toggle - Honeywell INTI-7	2	EA
31	029925-000	CONNECTOR CABLE HEYC (Not illustrated)	2	EA
32	3014753	SNORKEL GUARD SENSOR (CABLE, M12 X 2M L)	1	M
33	3030179	HARNESS OVERLOAS CABLE	1	EA
34	3220023	CONN 9-PIN AMP	1	EA
35	3220183	CONNECTOR AMP 6 PIN PLUG	3	EA
36	3220024	CONNECTOR AMP 12 PIN 1-480-708	1	EA
37	3220163	CONNECTOR AMP 4 PIN 1-480702-0	3	EA
38	3220142	CONNECTOR AMP 15 PIN PLUG	3	EA
39	3220199	CONNECTOR AMP 3 PIN	2	EA
40	3049986	AMP SOCKET CONTACT	51	EA
41	3220089	DEUTSCH 4-PIN BLKHD CON DTP04--4P-L012	1	EA
42	3220276	LOCK WEDGE 4-PIN WP-4P	1	EA
43	3049837	CONNECTOR 12-PIN BHD	1	EA

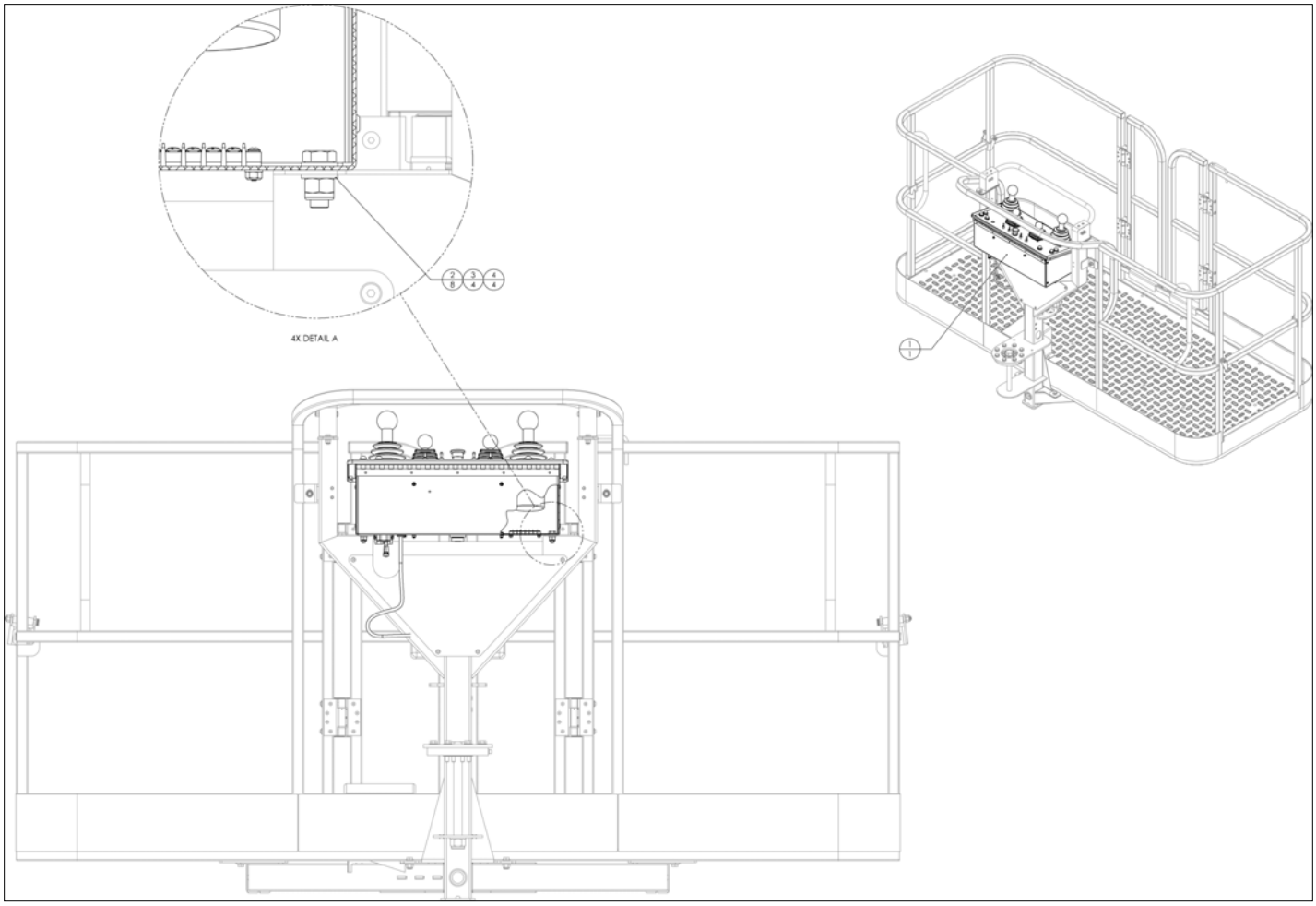
アイテム	部品番号	名前	数量	UOM
44	509744-000	Wedge, Deutsch W12P	1	EA
45	12554-026	PIN SIZE-12 (12-14GA) DTP	11	EA
46	12556-009	RECEPTACLE 2 WIRE DT04-2P*****	6	EA
47	12556-016	WEDGELOCK FOR DT04-2P*******	6	EA
48	12554-025	PIN SIZE-16 (14GA) DT	12	EA
49	3069548	LIGHT, GREEN LED 12V 11/16	1	EA

ELECTRICAL



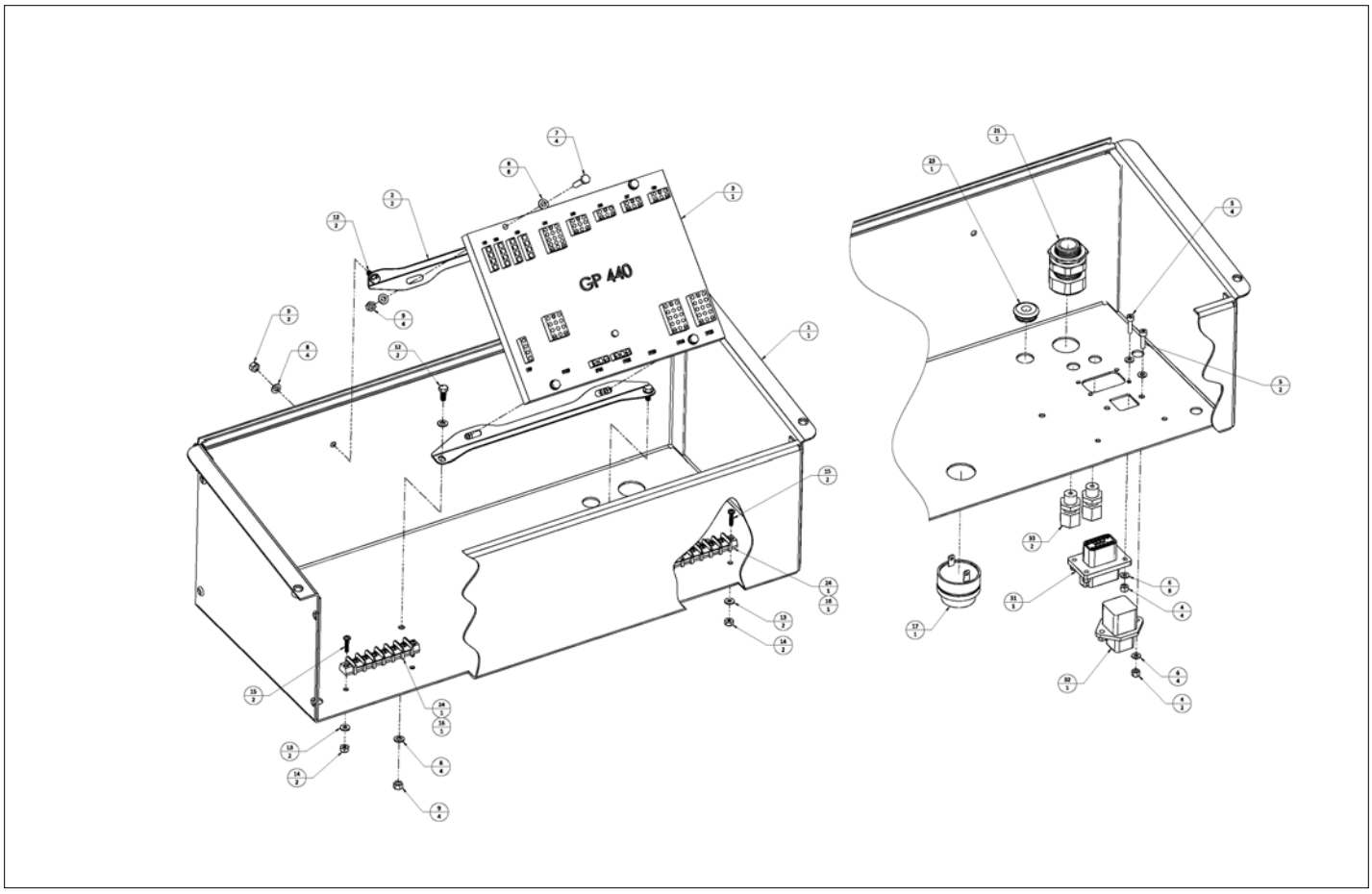
アイテム	部品番号	名前	数量	UOM
-	1433675A	UPPER CONTROL BOX INSTALLATION 400S FEBURARY 2020 AND BEFORE		EA
1	1433471	ASSY, PLATF CONT BOX DUAL CAP	1	EA
2	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	8	EA
3	058493-025	HHCS M10 X 25MM GR10.9 DIN933	4	EA
4	056064-010	Nut NylockNut DIN985 M10 10.0	4	EA

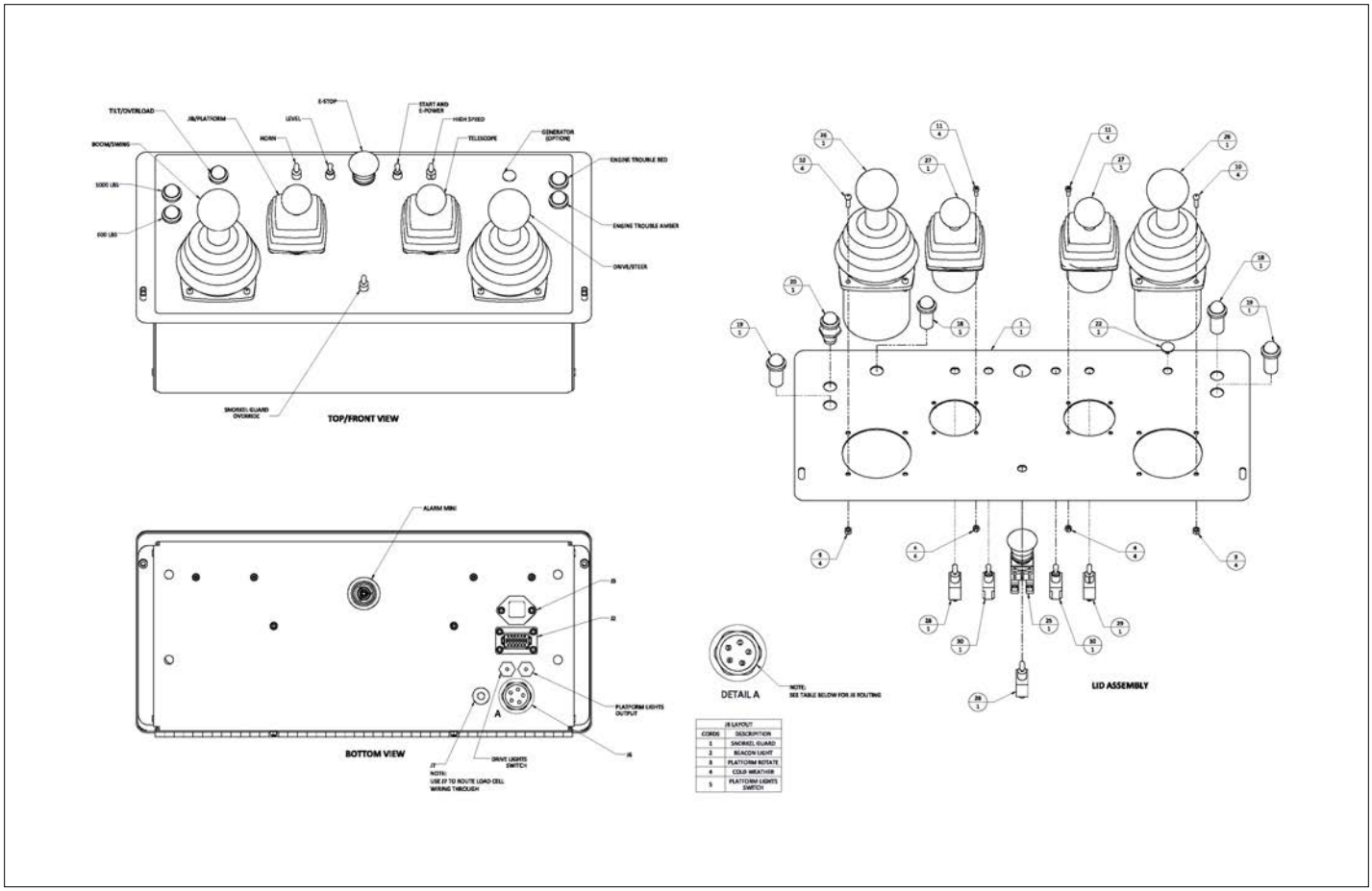
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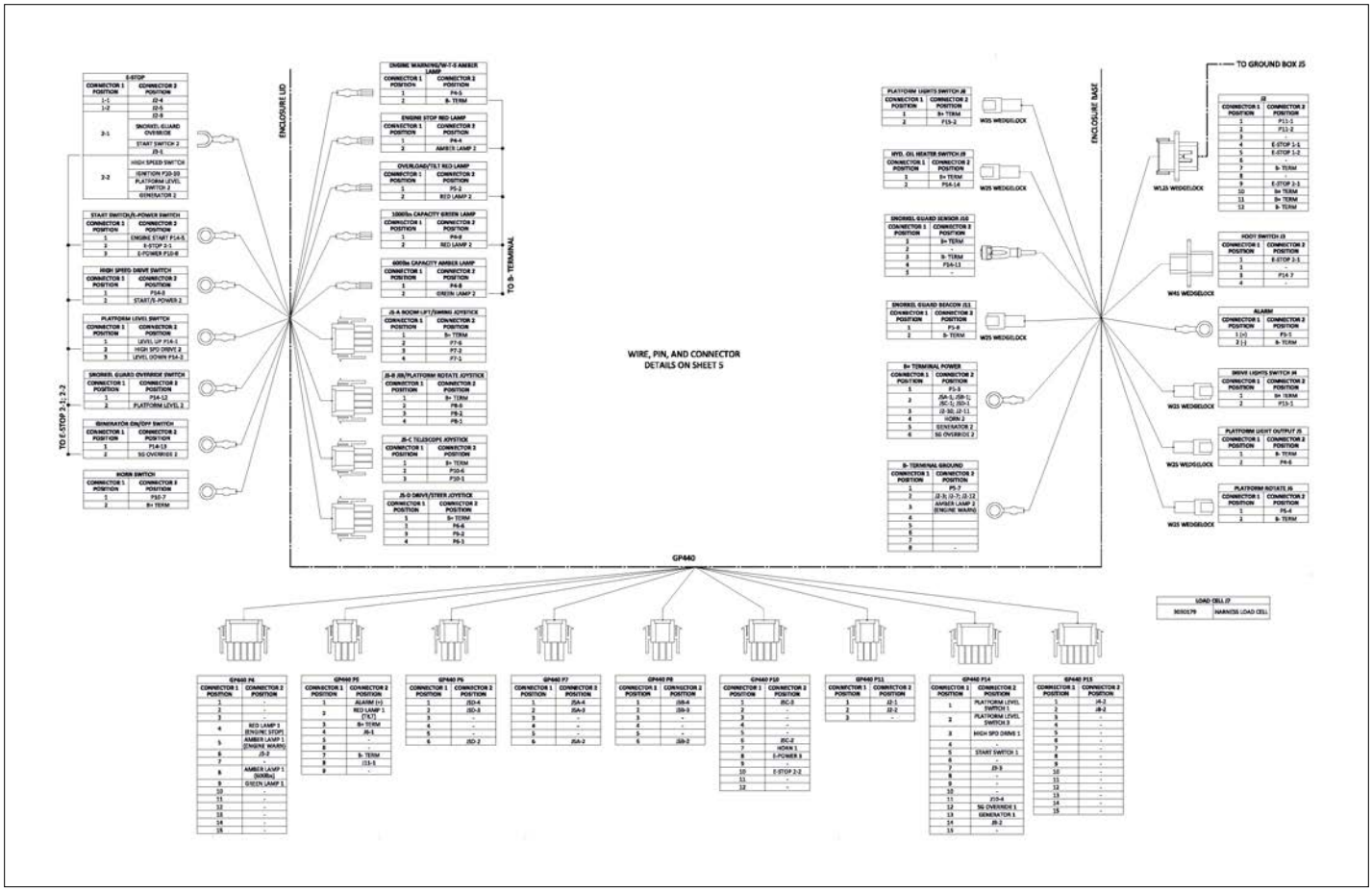


アイテム	部品番号	名前	数量	UOM
-	1434105 A	UPPER CONTROL BOX INSTALLATION DEUTZ T4F 400S MARCH 2020 AND AFTER		EA
1	1434145	ASSY, UPPR CTRL BX, 400/600	1	EA
2	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	8	EA
3	058493-025	HHCS M10 X 25MM GR10.9 DIN933	4	EA
4	056064-010	Nut NylockNut DIN985 M10 10.0	4	EA

ELECTRICAL




TOP/FRONT VIEW
BOTTOM VIEW
DETAIL A
LID ASSEMBLY

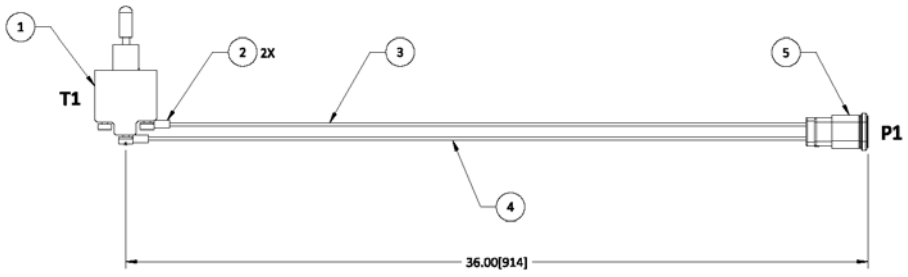

ENCLOSURE LID
ENCLOSURE BASE
TO GROUND BOX J5
TO B- TERMINAL
TO E-STOP 2-1, 2-2
WIRE, PIN, AND CONNECTOR
DETAILS ON SHEET 5
GP440

アイテム	部品番号	名前	数量	UOM
-	1433471A	400S PLATFORM CONTROL BOX, DUAL CAPACITY ASSEMBLY		EA
1	1433473	WLDMNT, ENCL PLATF CTRL BOX DC	1	EA
2	1431549	BRKT, GP440 UPR CTL	2	EA
3	3030173	GP440	1	EA
4	056066-004	NUT NYLOCK DIN985 M4 8.0 ZP	14	EA
5	510563-016	Bolt, SktCapScrew DIN912 M4 x	6	EA
6	056069-004	Wshr, SteelFlatWshr M4 DIN125	12	EA
7	056057-025	Bolt, HexBolt DIN931 M5 x 25mm	4	EA
8	056069-005	Washer SteelFlatWasher DIN125A	16	EA
9	056064-005	Nut, NylockNut DIN985 M5 10.0	16	EA
10	505082-016	Bolt, SktButCapScrew DIN9427 M	8	EA
11	058500-010	Bolt, SktCapScrew DIN912 M4 x	8	EA
12	5563692	BOLT HXHD M5X.8X12 YL ZN PLT GR 8.8	4	EA
13	5563694	WASHER FLAT #6 YL ZN PLT GR8	4	EA
14	5563695	LOCKNUT HEX 6-32 ZN PLT	4	EA
15	5563693	SCREW PAN HD 6-32 X 5/8" ZN PLT	4	EA
16	3028881	JUMPER RJS TYPE 601RJS-06	2	EA
17	3040411	Alarm Buzzer	1	EA
18	3069524	LIGHT RED LED 12V	2	EA
19	3069544	LIGHT AMBER LED 12V .69DIA MTG	2	EA
20	3069548	LIGHT, GREEN LED 12V 11/16	1	EA
21	3028877	GRIP CORD MULTICORD 1.43" HEX 3/4 NPT	1	EA
22	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	1	EA

アイテム	部品番号	名前	数量	UOM
23	5563780	GROMMET 3.75" ID MCM 9600K65	1	EA
24	3028880	TERMINAL BLOCK SINGLE ROW 699 GP 06	2	EA
25	3028927	SWITCH, PUSH/PULL ASSY, DPST	1	EA
26	3028852	BOOM TURRET AND DRIVE STICK CONTROLLER	2	EA
27	3028854	SINGLE AXIS TELESCOPE CONTROLLER 600S/660SJ	2	EA
28	3020015	Switch, Toggle - Honeywell INTI-6	2	EA
29	3020013	Switch, Toggle - Honeywell INTI-2	1	EA
30	3020016	Switch, Toggle - Honeywell INTI-7	2	EA
31	3049837	CONNECTOR 12-PIN BHD	1	EA
32	3220089	DEUTSCH 4-PIN BLKHD CON DTP04--4P-L012	1	EA
33	029925-000	CONNECTOR CABLE HEYC (Not illustrated)	2	EA
34	3014753	SNORKEL GUARD SENSOR (CABLE, M12 X 2M L)	1	M
35	3030179	HARNESS OVERLOAS CABLE	1	EA
36	1433508	DECAL, PLTFRM CTRL BOX DL CAP	1	EA

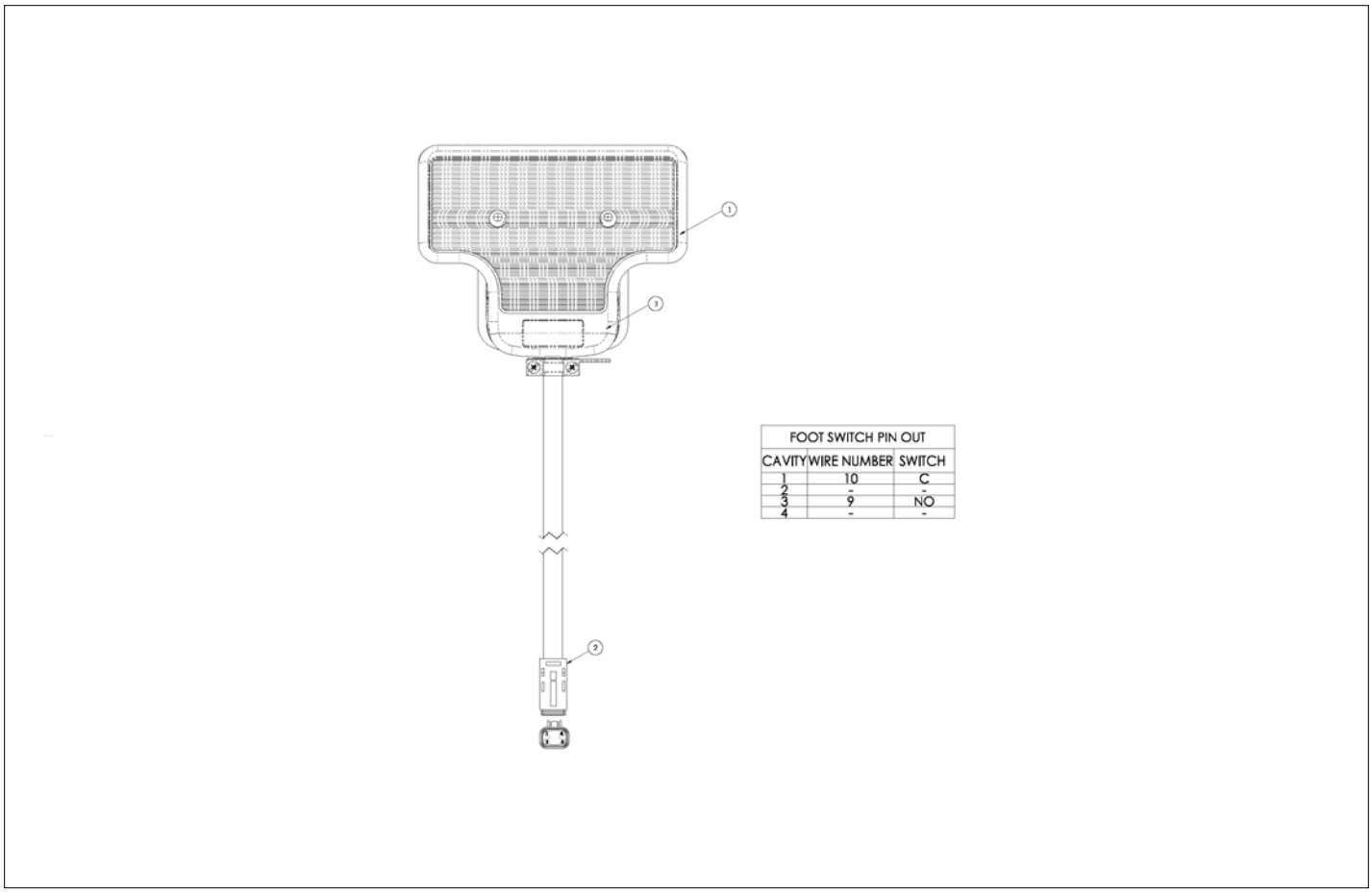
ELECTRICAL

WIRING SCHEMATIC					
ITEM NO.	PART NO.	FORM	TO	AWG	WIRE COLOR
4	3014809	T1-2	P1-1	18	BLK
3	3011801	T1-3	P1-2	18	WHT



アイテム	部品番号	名前	数量	UOM
-	3220352A	COLD WEATHER UPPER TOGGLE HARNESS		EA
1	3020013	Switch, Toggle - Honeywell INTI-2	1	EA
2	3220310	RING TERM 14-16 ANG TO #6 SCREW INSULATED	2	EA
3	3011801	WIRE 18GA SINGLE CONDUCTOR WHT	1	EA
4	3014809	WIRE, SINGLE CONDUCTOR 18AWG BLK	1	EA
5	3028878	DEUTSCH	1	EA

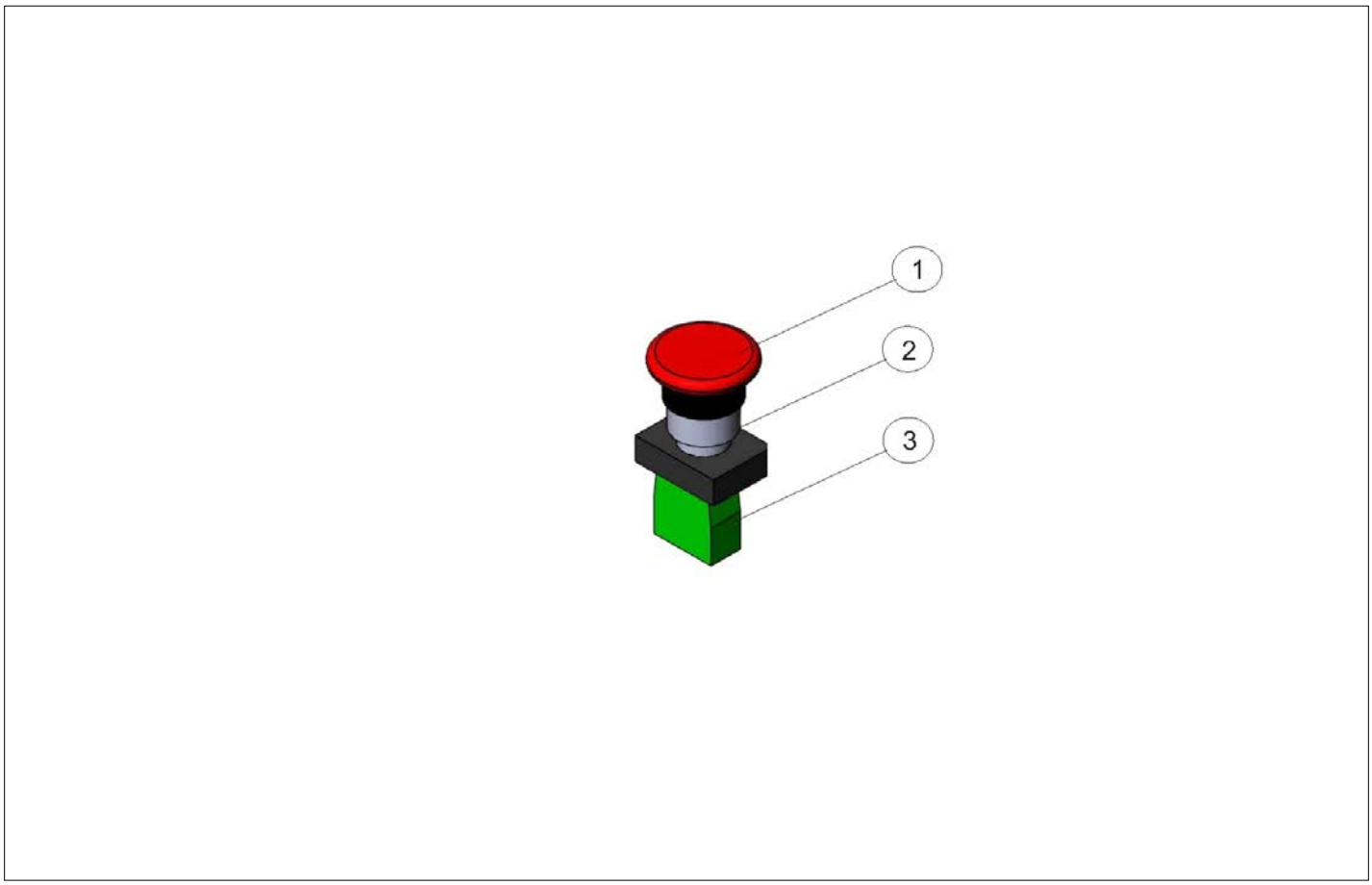
ELECTRICAL



FOOT SWITCH PIN OUT		
CAVITY	WIRE NUMBER	SWITCH
1	10	C
2	-	-
3	9	NO
4	-	-

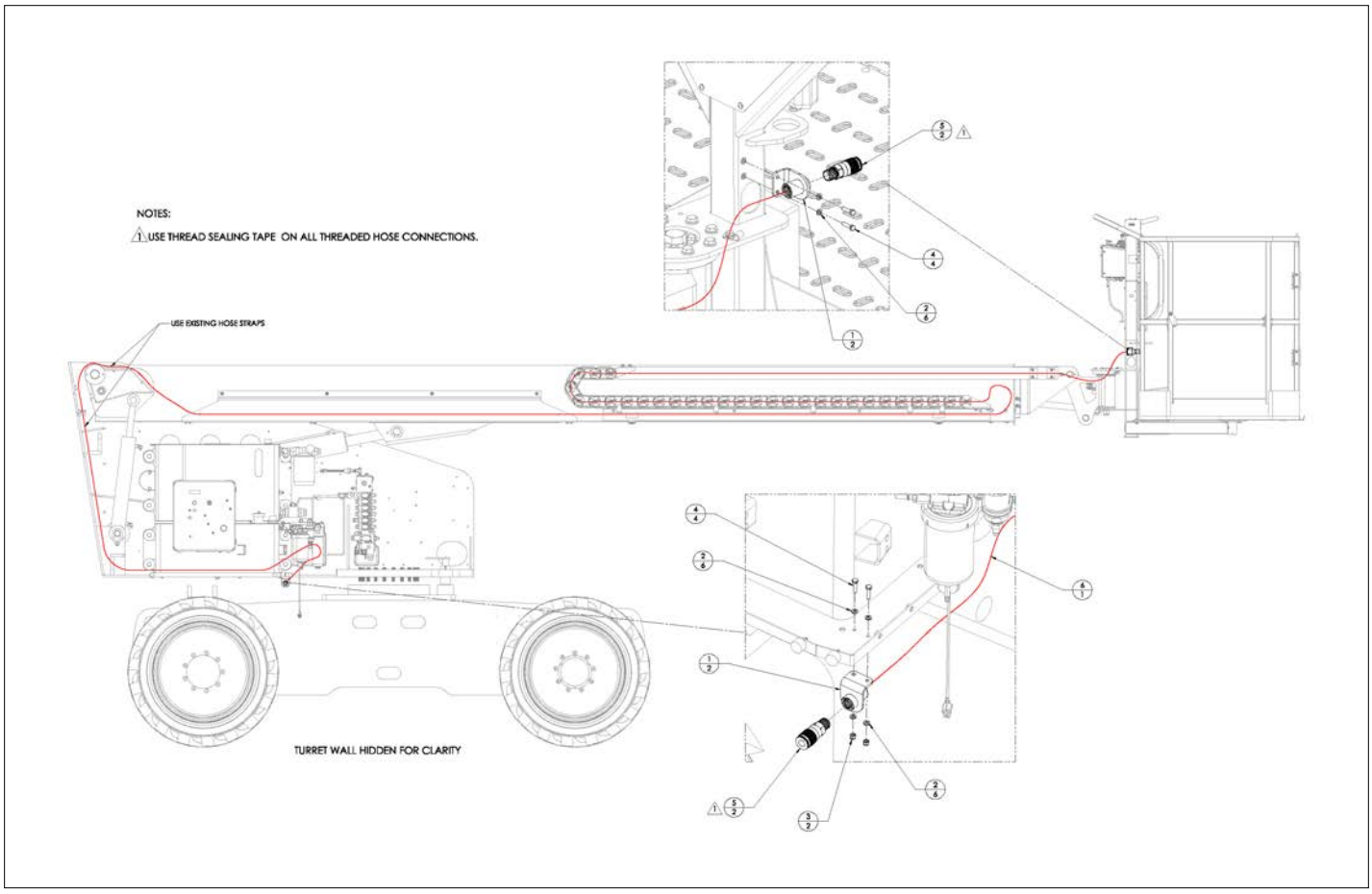
アイテム	部品番号	名前	数量	UOM
-	3028912A	FOOT SWITCH WIDE TREDLE ASSEMBLY		EA
1	3028910	FOOT SWITCH WIDE TREADLE	1	EA
2	3028911	HARNESS-FOOT SWITCH, WIDE TREADLE	1	EA
3	3028936	REPLACEMENT FOOT SWITCH (NOT SHOWN)	1	EA

ELECTRICAL



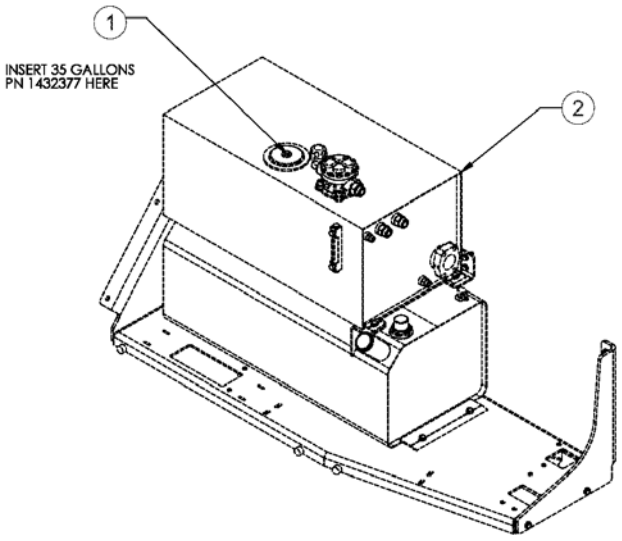
アイテム	部品番号	名前	数量	UOM
*	3028810 A	PUSH PULL ASSEMBLY WITH CONTACT		EA
1	1450107	PUSH BOTTON OPERATOR	1	EA
2	09-1931	SHITCH CLAMP BODY	1	EA
3	3028842	SINGLE NC CONTACT BLOCK	1	EA

OPTIONS


NOTES:
1. USE THREAD SEALING TAPE ON ALL THREADED HOSE CONNECTIONS.
USE EXISTING HOSE STRAPS
TURRET WALL HIDDEN FOR CLARITY

アイテム	部品番号	名前	数量	UOM
-	1433297A	AIRLINE TO PLATFORM INSTALL 400S		EA
1	1432702	BRACKET-AIRLINE PLATFORM	2	EA
2	056069-006	WSHR STEELFLATWSHE M6 DIN125A	6	EA
3	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
4	512630-025	HHCS M6 X 1 X 25 GR 10.9 DIN 933	4	EA
5	5260040	FTG -8 NPTF QUICK DISCONNECT	2	EA
6	1433754	HOSE, AIRLINE TO PLATFORM 400	1	EA

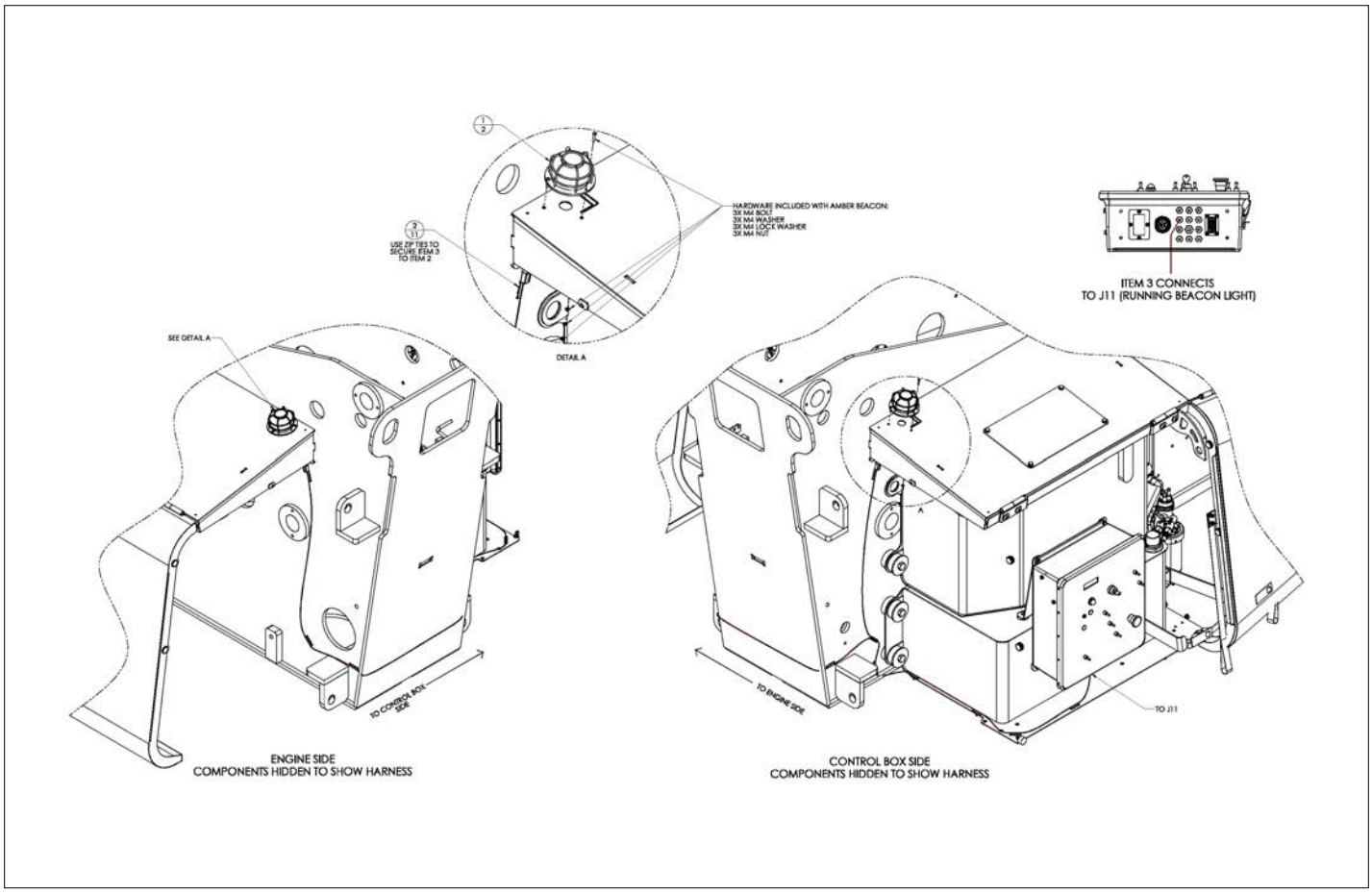
OPTIONS



TO BE INSTALLED IN LIEU OF STANDARD OIL
ENSURE TANK IS EMPTY AND FITTINGS ARE TIGHT

アイテム	部品番号	名前	数量	UOM
-	1432376 A	BIODEGRADABLE OIL INSTALL		EA
1	1432377	OIL, DALUBE HYDRASAFE ISO-32 BIO	1	EA
2	1432175	HYDRAULIC TANK INSTALLATION	1	EA

OPTIONS


HARDWARE INCLUDED WITH AMBER BEACON:
3X M4 BOLT
3X M4 WASHER
3X M4 LOCK WASHER
3X M4 NUT
USE ZIP TIES TO SECURE ITEM 3 TO ITEM 2
DETAIL A
ITEM 3 CONNECTS TO J11 (RUNNING BEACON LIGHT)
SEE DETAIL A
TO CONTROL BOX SIDE
ENGINE SIDE
COMPONENTS HIDDEN TO SHOW HARNESS
TO ENGINE SIDE
TO J11
CONTROL BOX SIDE
COMPONENTS HIDDEN TO SHOW HARNESS

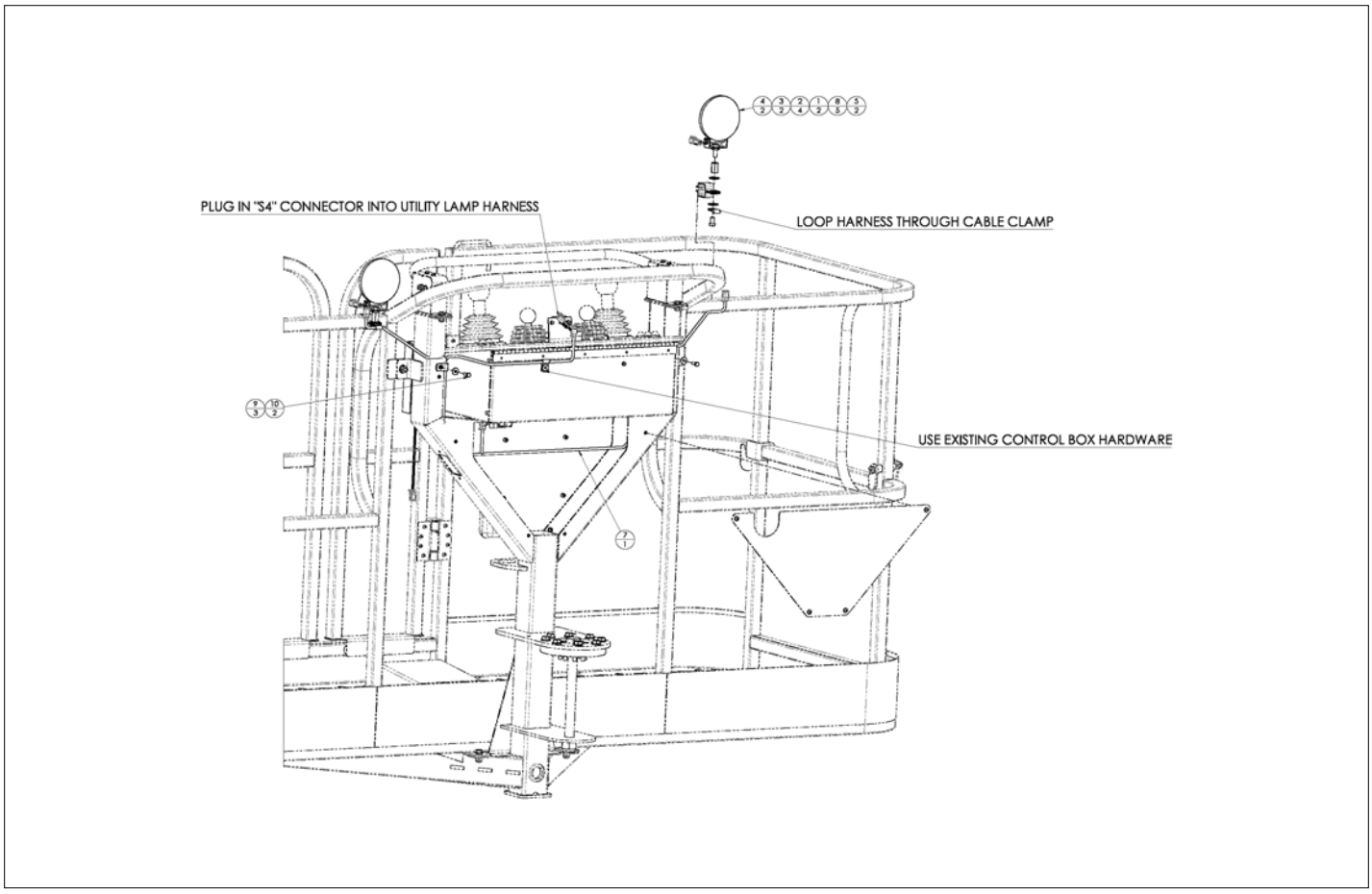
アイテム	部品番号	名前	数量	UOM
-	1433269A	AMBER BEACON INSTALL 400S/460SJ		EA
1	3014788	LIGHT, AMBER BEACON	2	EA
2	3220344	CLIP-HARNESS .04-.25 THK	11	EA
3	1433697	HARNESS, LWR CTRL TO AMBER BCN	1	EA

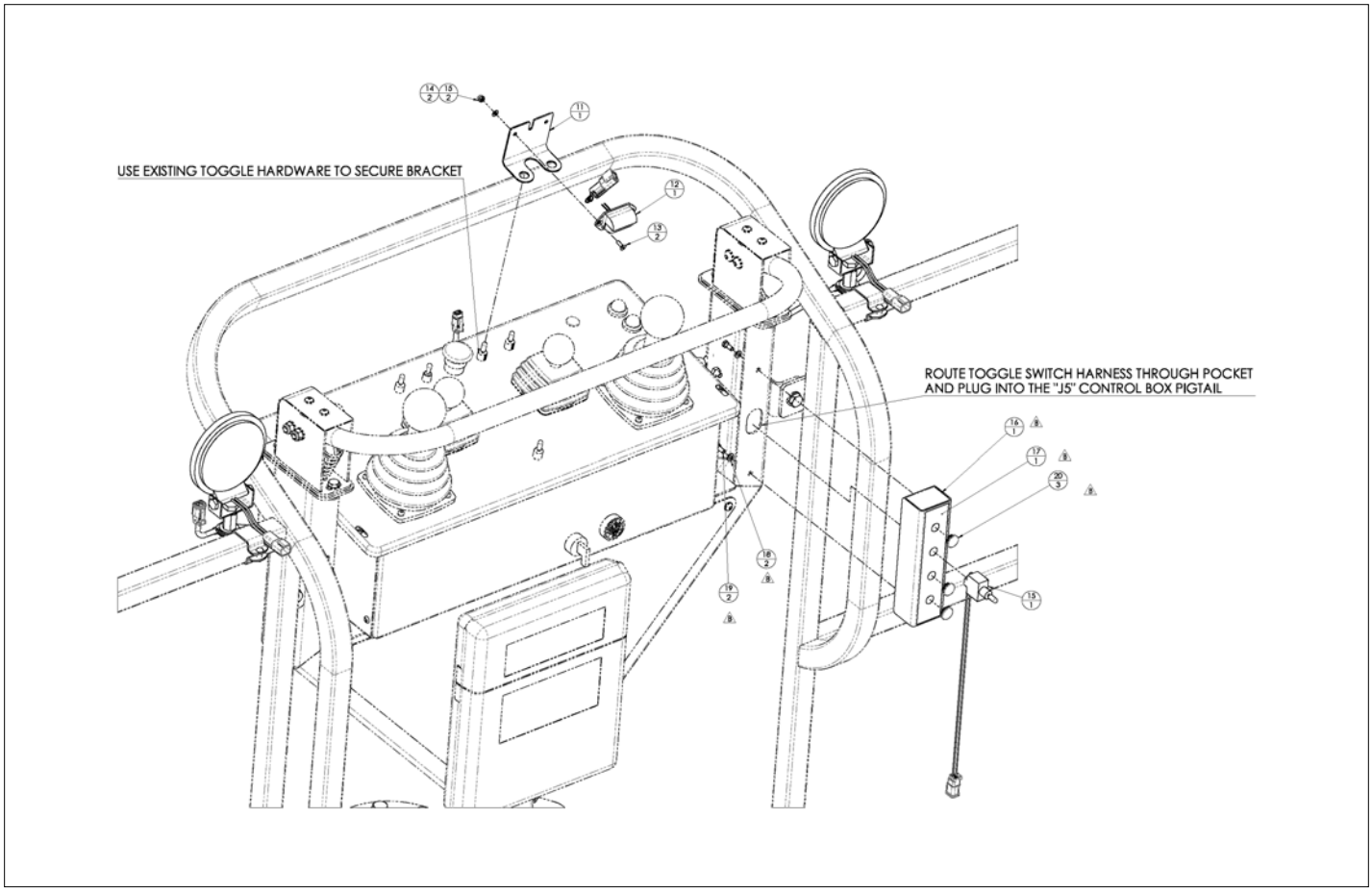
OPTIONS



アイテム	部品番号	名前	数量	UOM
-	1433877A	KIT, LIGHT PACKAGE, 400S / 460SJ		EA
1	1433536	PLATFORM LIGHT PACKAGE SQ PLATFORM	1	EA
2	1433882	INSTALL, TURRET LIGHT PACKAGE (SEE DRAWING 1433882)	1	EA

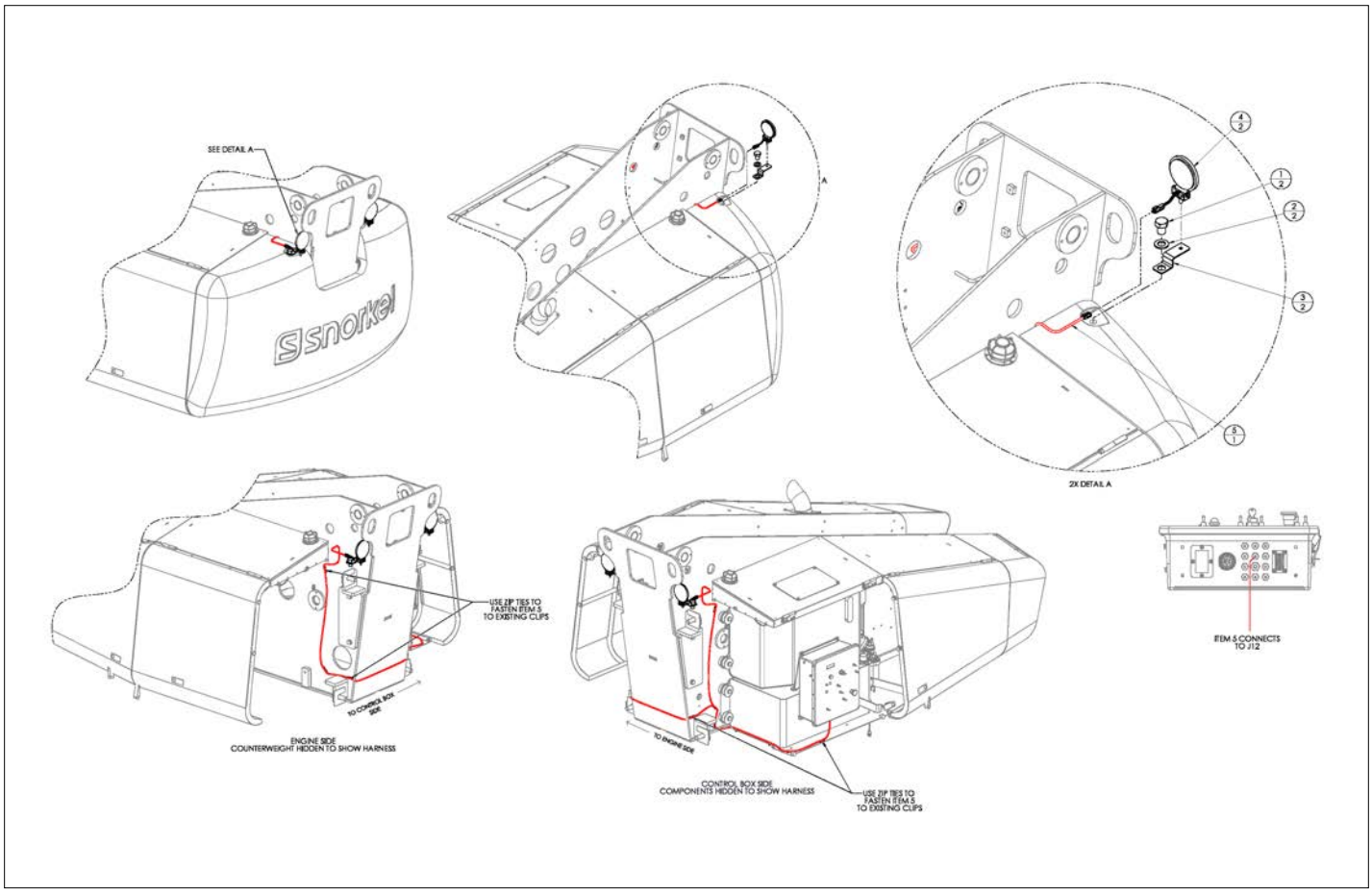
OPTIONS


PLUG IN "S4" CONNECTOR INTO UTILITY LAMP HARNESS
LOOP HARNESS THROUGH CABLE CLAMP
USE EXISTING CONTROL BOX HARDWARE


USE EXISTING TOGGLE HARDWARE TO SECURE BRACKET
ROUTE TOGGLE SWITCH HARNESS THROUGH POCKET AND PLUG INTO THE "J5" CONTROL BOX PIGTAIL

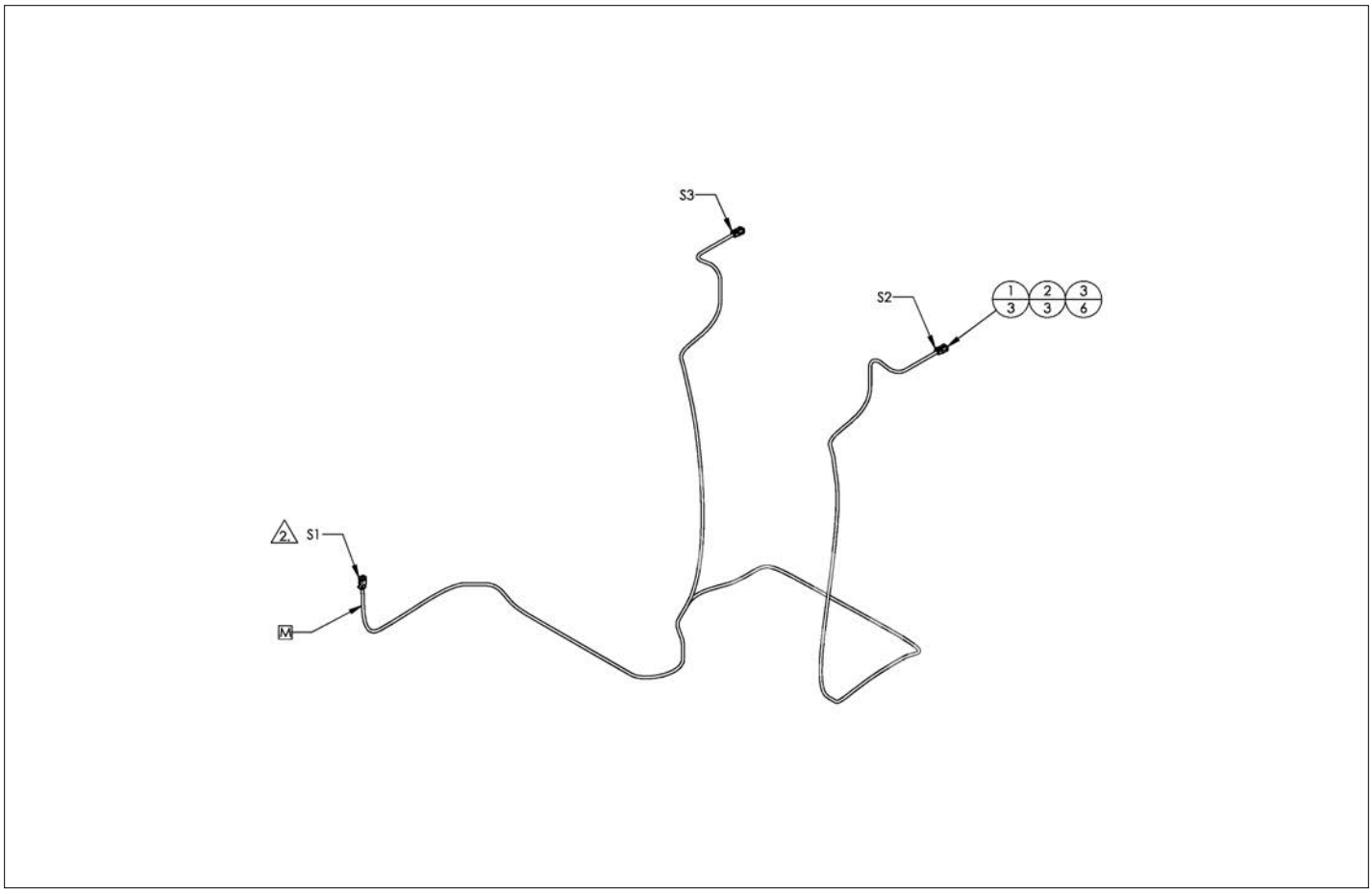
アイテム	部品番号	名前	数量	UOM
-	1433536C	PLATFORM LIGHT PACKAGE SQUAIR PLATFORM		EA
1	5516376	CLAMP-1.25" SQUARE TUBE	2	EA
2	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	4	EA
3	5563938	STANDOFF-HEX, M10 X 30MM	2	EA
4	3069545	ASSY LED LIGHT	2	EA
5	058493-020	BOLT HEXSETSCREW DIN933 M10 X 20MM 8.8 ZP	2	EA
6	1433545	HARNESS-SQ. PLATFORM LIGHTS	1	EA
7	5093018	CLP CUSH .250 VINYL COATED	5	EA
8	508247-006	WASHER OVERSIZED M6 X 18MM DIN9021 ZP	2	EA
9	512630-020	HHCS M6 X X 20 G10.9 DIN 933	2	EA
10	1433517	BRACKET, UTILITY LAMP, CTRL BO	1	EA
11	1433523	HARNESS, UTILITY LAMP, CTRL BO	1	EA
12	512459-016	BLT HEXHD M4 X 0.7 X 16MM DIN 933 8.8 ZP	2	EA
13	056069-004	Wshr, SteelFlatWshr M4 DIN125	2	EA
14	056064-004	NUT HEX M4x0.7 GR10.9 DIN 985	4	EA
15	3220352	HARNESS CW UPPER TOGGLE	2	EA
16	1432940-5	WELDT AUX OPTION ENCLOSURE ORG	1	EA
17	1432939	DECAL 660 AUX OPTIONS	1	EA
18	056069-005	Washer SteelFlatWasher DIN125A	2	EA
19	5569987	BLT HEXHD M5-80 12MM	2	EA
20	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	2	EA

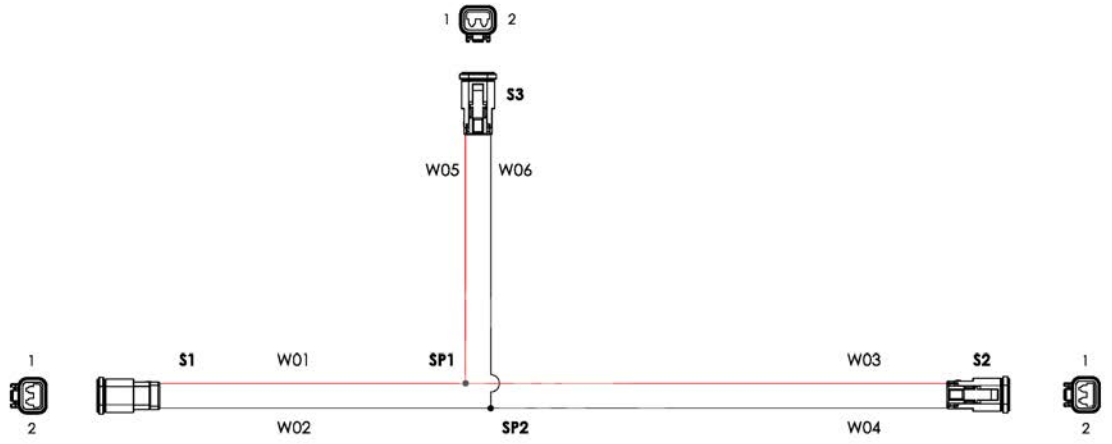
OPTIONS


SEE DETAIL A
snorkel
2X DETAIL A
USE ZIP TIES TO FASTEN ITEM 5 TO EXISTING CLIPS
TO CONTROL BOX SIDE
ENGINE SIDE
COUNTERWEIGHT HIDDEN TO SHOW HARNESS
TO ENGINE SIDE
CONTROL BOX SIDE
COMPONENTS HIDDEN TO SHOW HARNESS
USE ZIP TIES TO FASTEN ITEM 5 TO EXISTING CLIPS
ITEM 5 CONNECTS TO J12

アイテム	部品番号	名前	数量	UOM
-	1433882A	INSTALL, TURRET WORK LIGHT PACKAGE		EA
1	5563910	HHCS M24X3.0X30 G10.9 DIN 931	2	EA
2	510595-025	WASHER, FLAT M24	2	EA
3	1432978	BRKT DRIVE LIGHT	2	EA
4	3069545	ASSY LED LIGHT	2	EA
5	1433883	HARNESS, DRIVE LIGHTS, 400/460	1	EA

OPTIONS

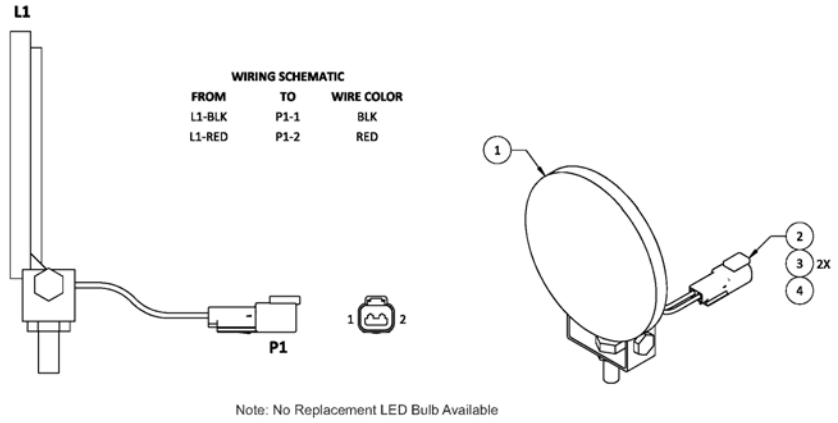




WIRE				CONNECTOR 1						CONNECTOR 2				
WIRE #	AWG	LENGTH	COLOR	DESCRIPTION	CONNECTOR	DESIGNATION / PN	POSITION	TYPE		CONNECTOR	DESIGNATION / PN	POSITION	TYPE	SUPPLIER PN
W01	18	50"	RED	J12	S1	2 PIN DT06-2S	1	PIN CON		SP1	SPLICE	(S2;S3)-1	-	SPLICE
W02	18	50"	BLK	J12	S1	2 PIN DT06-2S	2	PIN CON		SP2	SPLICE	(S2;S3)-2	-	SPLICE
W03	18	85"	RED	LED LIGHT 1	S2	2 PIN DT06-2S	1	PIN CON		SP1	SPLICE	(S1;S3)-1	-	SPLICE
W04	18	85"	BLK	LED LIGHT 1	S2	2 PIN DT06-2S	2	PIN CON		SP2	SPLICE	(S1;S3)-2	-	SPLICE
W05	18	46"	RED	LED LIGHT 2	S3	2 PIN DT06-2S	1	PIN CON		SP1	SPLICE	(S1;S2)-1	-	SPLICE
W06	18	46"	BLK	LED LIGHT 2	S3	2 PIN DT06-2S	2	PIN CON		SP2	SPLICE	(S1;S2)-2	-	SPLICE

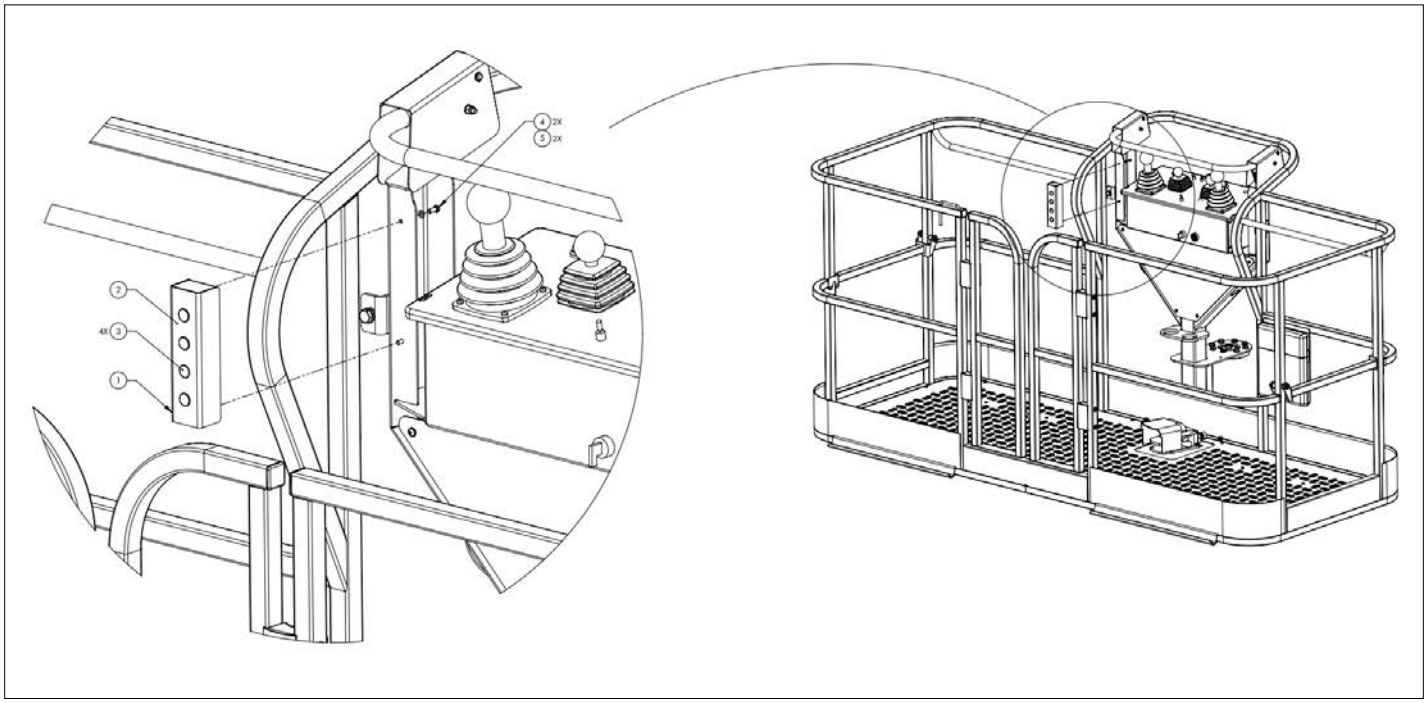
アイテム	部品番号	名前	数量	UOM
-	1433883A	DRIVE LIGHTS HARNESS		EA
1	12557-016	WEDGELOCK	3	EA
2	12557-009	PLUG	3	EA
3	12557-031	SOCKET	6	EA

OPTIONS


L1
WIRING SCHEMATIC
FROM TO WIRE COLOR
L1-BLK P1-1 BLK
L1-RED P1-2 RED
P1
1
2
1
2
3
4
2X
Note: No Replacement LED Bulb Available

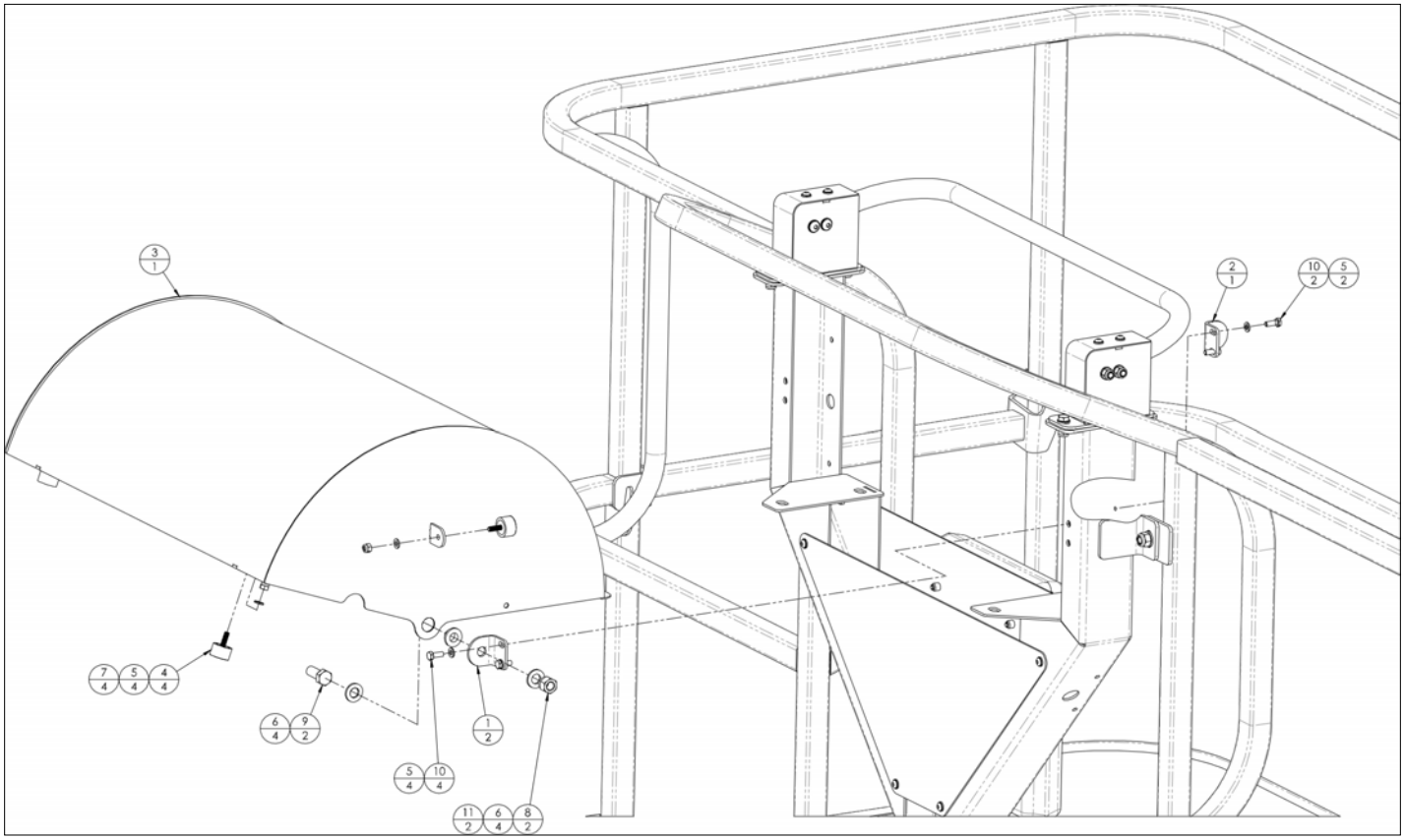
アイテム	部品番号	名前	数量	UOM
-	3069545A	LED LIGHT ASSEMBLY		EA
1	3069528	LED WORK LIGHTS	1	EA
2	12556-009	RECEPTACLE 2 WIRE DT04-2P*****	1	EA
3	12554-025	PIN SIZE-16 (14GA) DT	2	EA
4	12556-016	WEDGELOCK FOR DT04-2P********	1	EA

OPTIONS



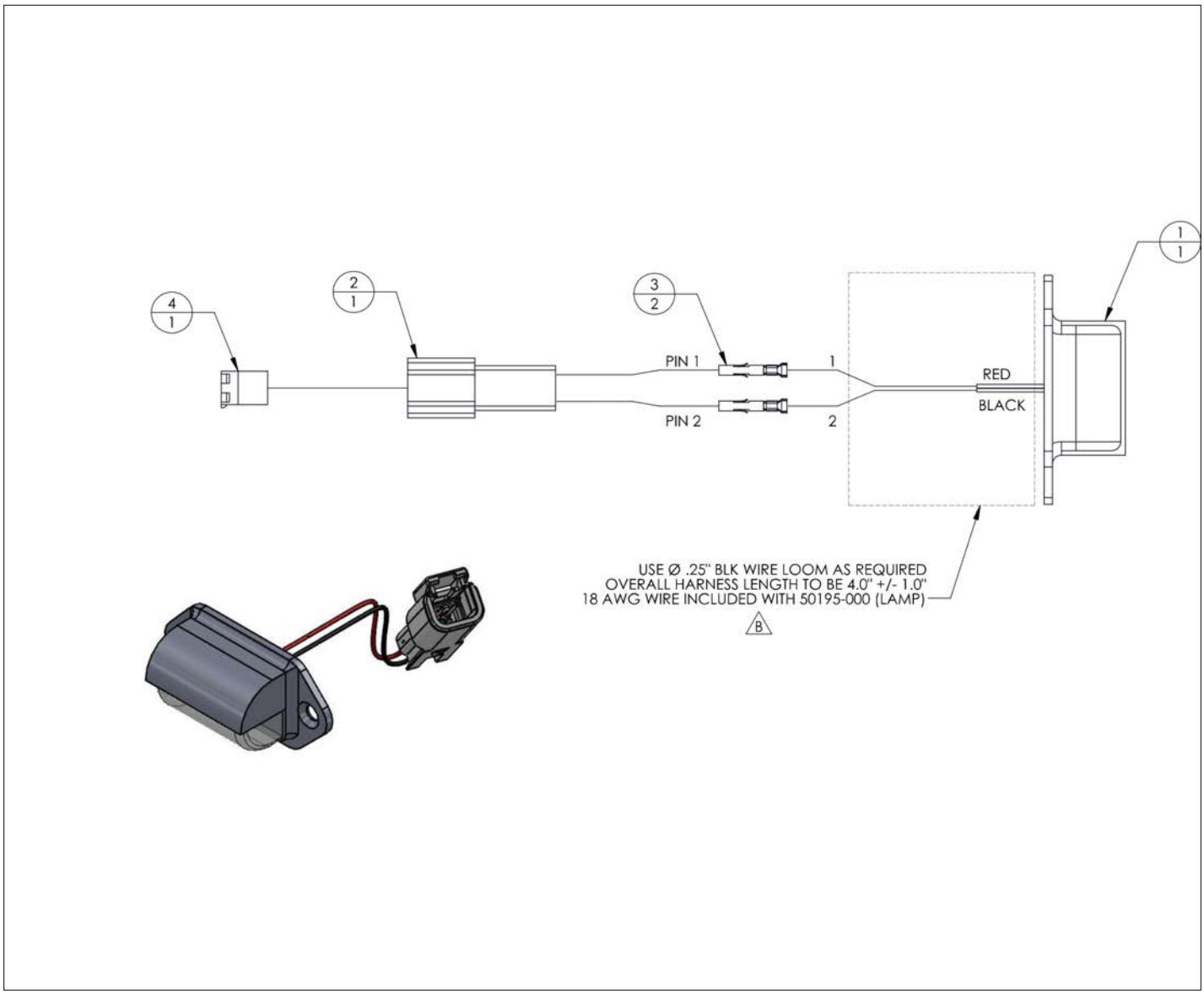
アイテム	部品番号	名前	数量	UOM
-	1432943 A	ACCESSORY SWITCH ENCLOSURE INSTALLATION		EA
1	1432940	WELDMENT AUX OPTION ENCLOSURE	1	EA
2	1432939	DECAL 660 AUX OPTIONS	1	EA
3	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	3	EA
4	5569987	BLT HEXHD M5-80 12MM	2	EA
5	056069-005	Washer SteelFlatWasher DIN125A	2	EA

OPTIONS



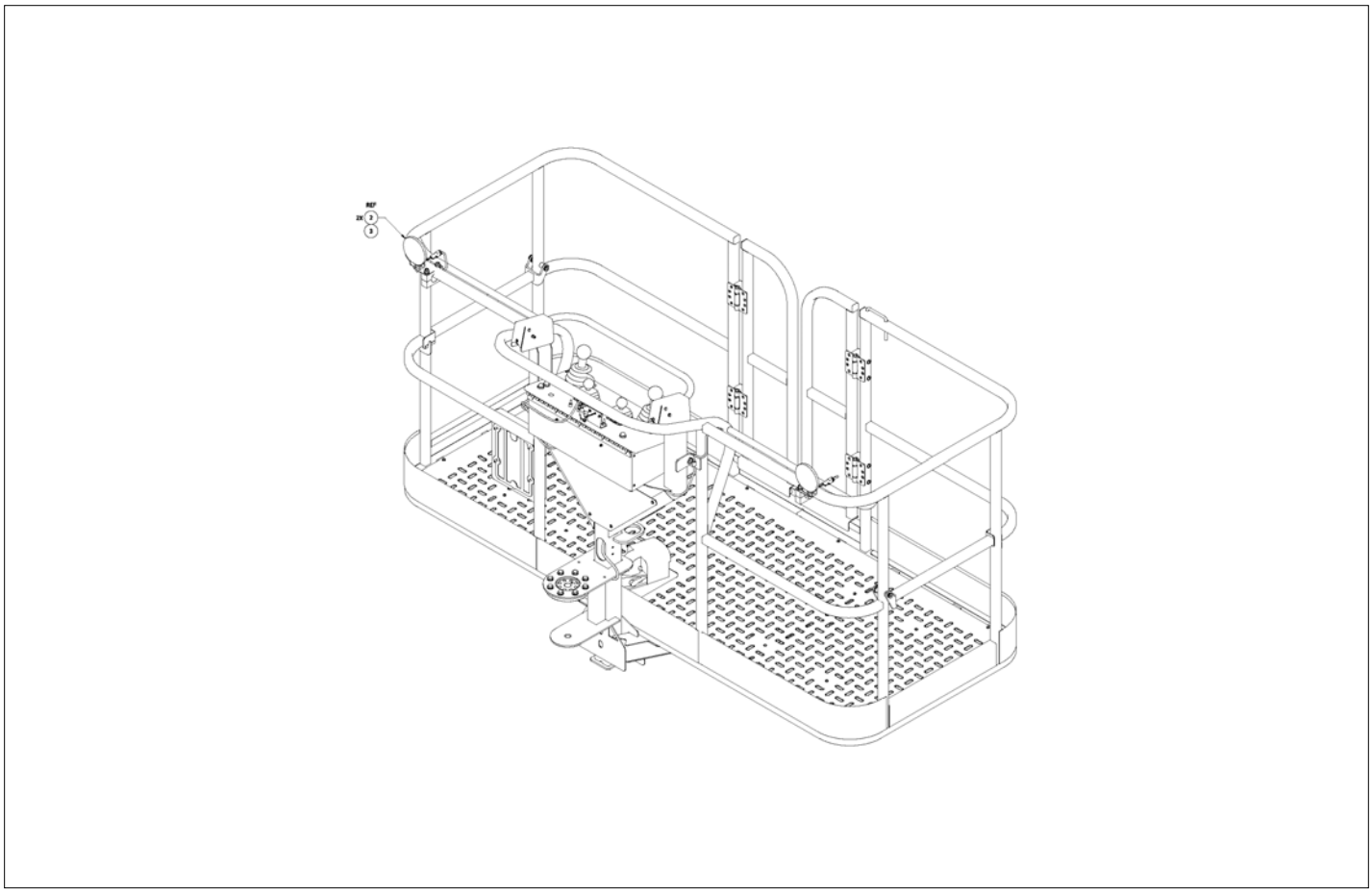
アイテム	部品番号	名前	数量	UOM
-	1433162 A	CONTROL BOX COVER INSTALLATION		EA
1	1433167	ANGLE COVER SUPPORT	2	EA
2	1433168	ANGLE COVER LOCK	1	EA
3	1433163	PLATFORM COVER WELDMENT	1	EA
4	5563642	BUMPER-RUBBER M6X1.0	4	EA
5	056069-006	WSHR STEELFLATWSHE M6 DIN125A	10	EA
6	056069-012	WASHER DIN125A M12 ZP	4	EA
7	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	4	EA
8	056064-012	NUT HEX M12 X 1.75 GR 10.9 SELF LOCKING DIN 985	2	EA
9	5563508	BOLT HEXBOLT DIN931 M12 X 1.75 X 30 10.11	2	EA
10	512630-016	BOLT, HEXBOLT DIN933 M6 x 16mm 10.9 ZINCPLATED	6	EA
11	2570028	FLANGE BUSHING-BRONZE 12MM SHAFT	2	EA

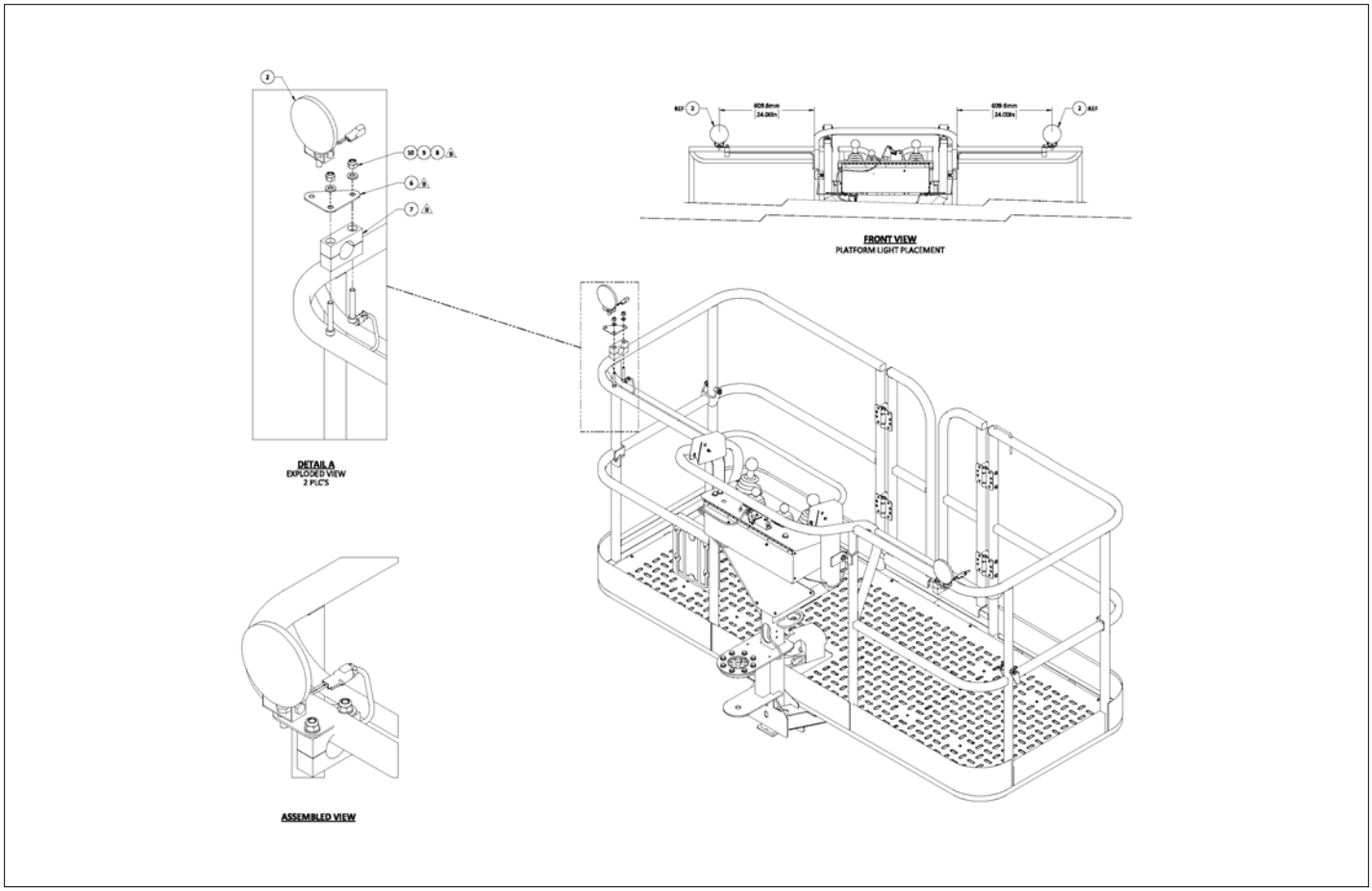
OPTIONS

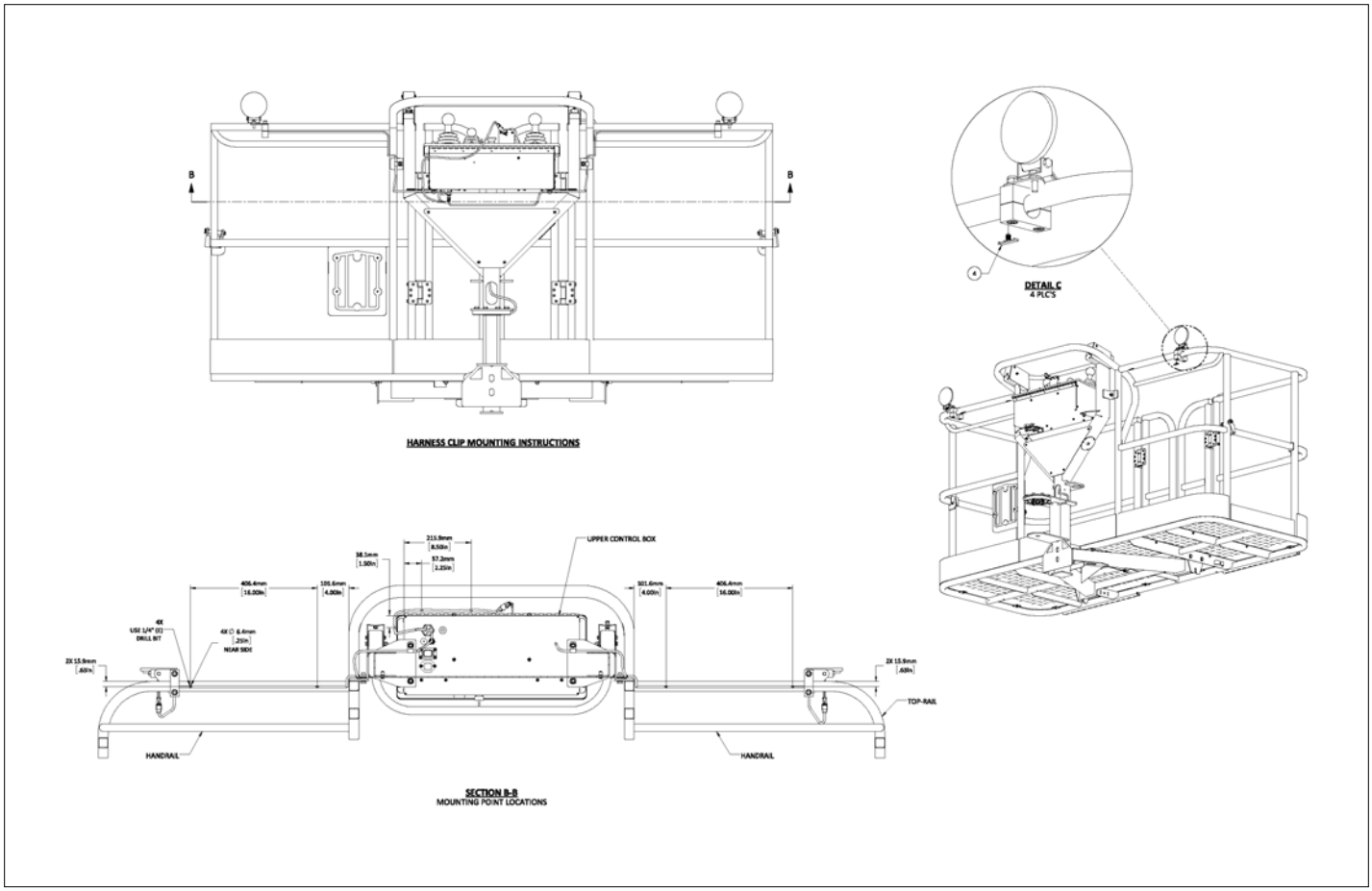

4
1
2
1
3
2
1
1
PIN 1
1
RED
BLACK
PIN 2
2
USE Ø .25" BLK WIRE LOOM AS REQUIRED
OVERALL HARNESS LENGTH TO BE 4.0" +/- 1.0"
18 AWG WIRE INCLUDED WITH 50195-000 (LAMP)
B

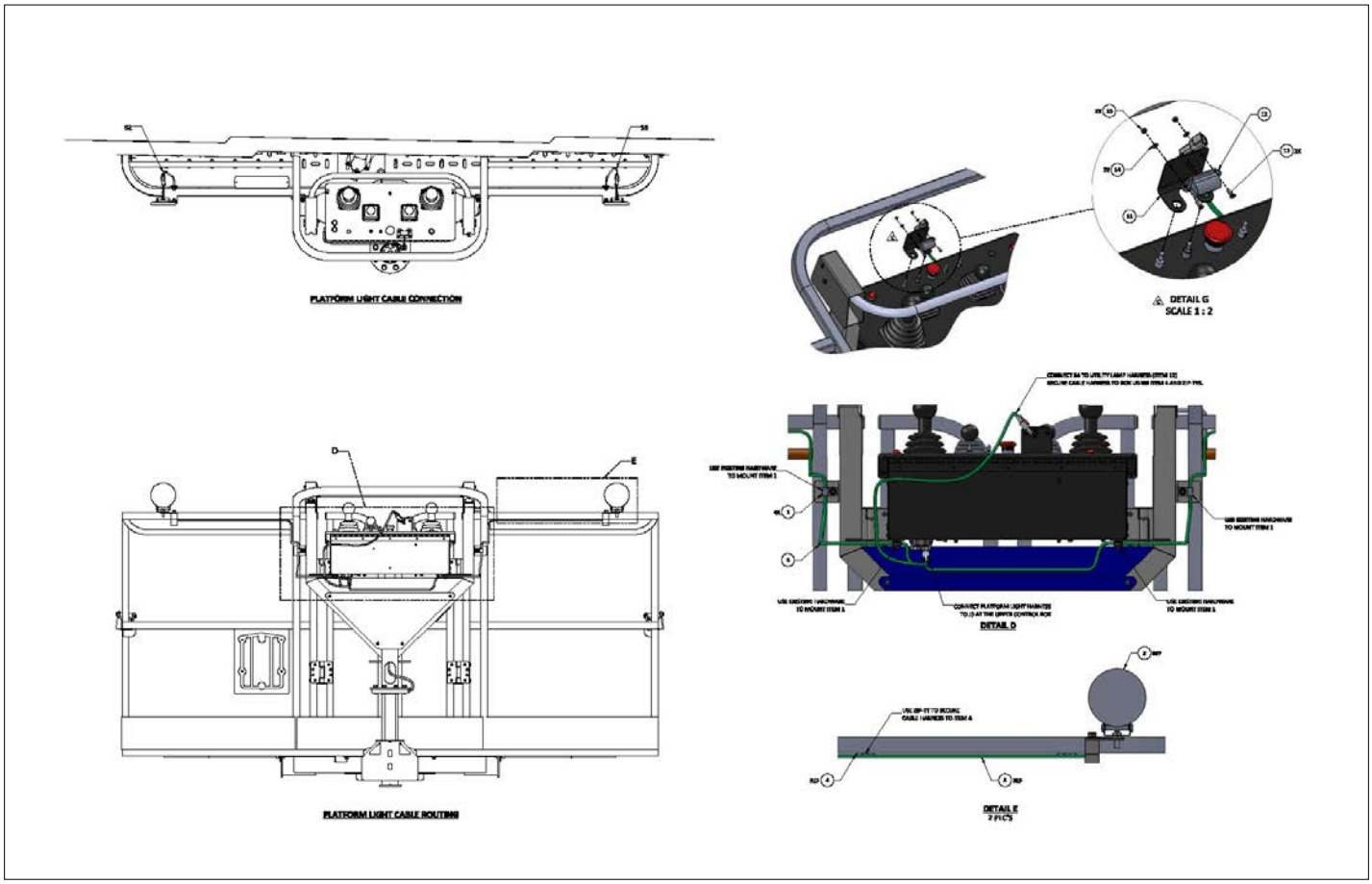
アイテム	部品番号	名前	数量	UOM
-	1433523 B	PLATFORM CONTROL BOX UTILITY LAMP HARNESS		EA
1	50195-000	LIGHT LICENSE PLT TRUCK LITE	1	EA
2	12564-009	RECEPTACLE 2 WIRE DTM04-2P	1	EA
3	12554-032	PIN SIZE-20 (18-16GA) DTM	2	EA
4	12564-016	WEDGELOCK FOR DTM04-2P	1	EA

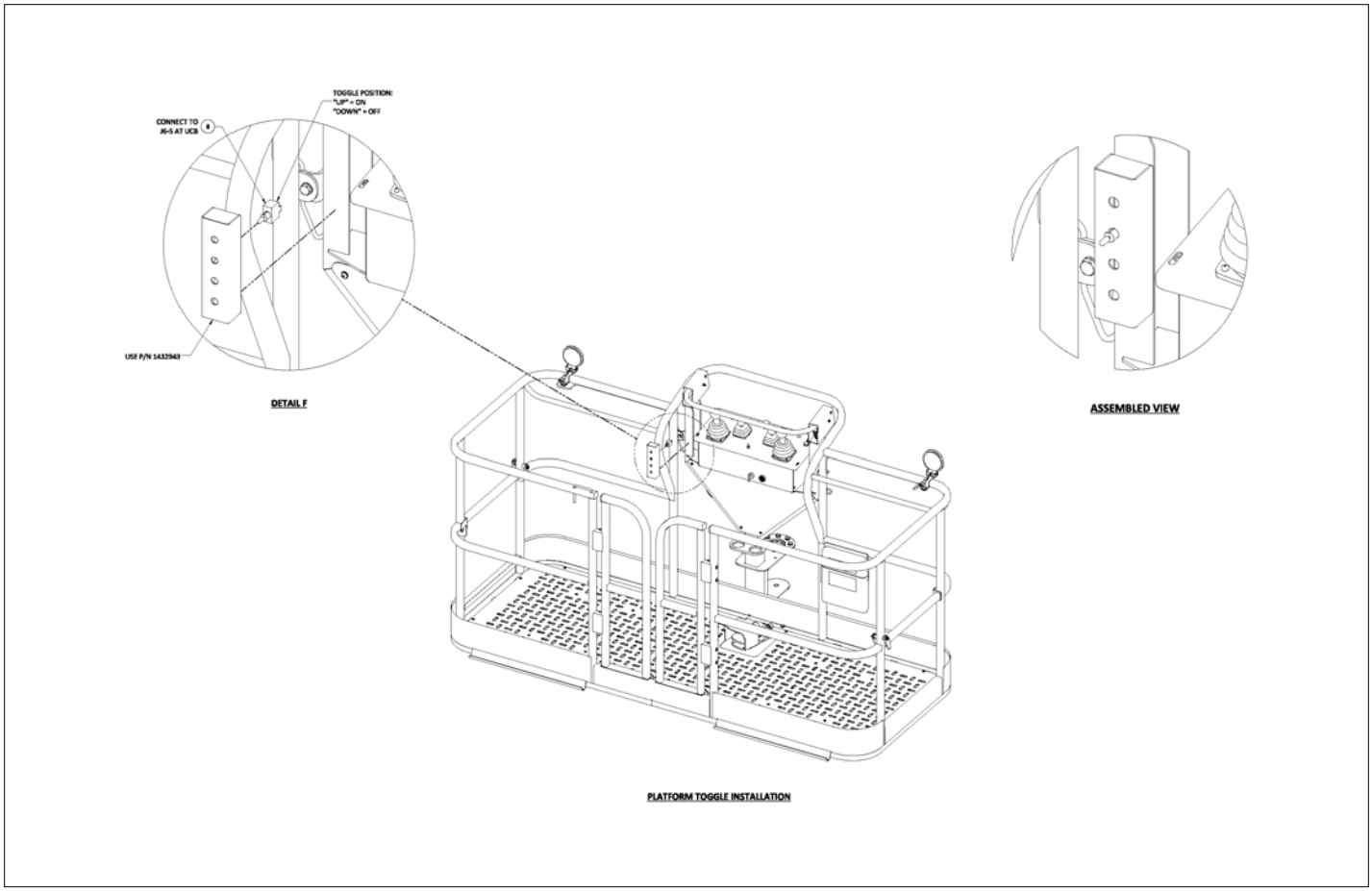
OPTIONS




DETAIL A
EXPLODED VIEW
2 PLC'S
FRONT VIEW
PLATFORM LIGHT PLACEMENT
ASSEMBLED VIEW

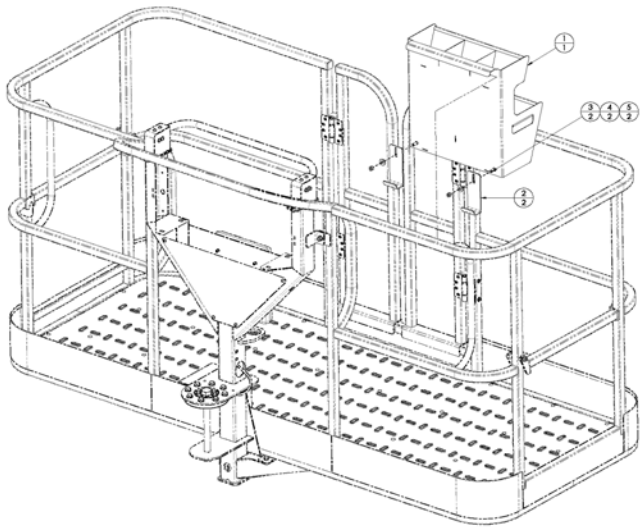

B
B
HARNESS CLIP MOUNTING INSTRUCTIONS
DETAIL C
4 PLCS
UPPER CONTROL BOX
406.4mm
16.00in
101.6mm
4.00in
38.1mm
1.50in
215.9mm
8.50in
57.2mm
2.25in
101.6mm
4.00in
406.4mm
16.00in
4X
USE 1/4" (6)
DRILL BIT
4X ⌀ 6.4mm
.25in
NEAR SIDE
2X 15.9mm
.63in
2X 15.9mm
.63in
TOP-RAIL
HANDRAIL
HANDRAIL
SECTION B-B
MOUNTING POINT LOCATIONS


PLATFORM LIGHT CABLE CONNECTION
DETAIL G
SCALE 1 : 2
PLATFORM LIGHT CABLE ROUTING
DETAIL D
DETAIL E


TOGGLE POSITION:
"UP" = ON
"DOWN" = OFF
CONNECT TO
J6-5 AT UCB
USE P/N 1432943
DETAIL F
ASSEMBLED VIEW
PLATFORM TOGGLE INSTALLATION

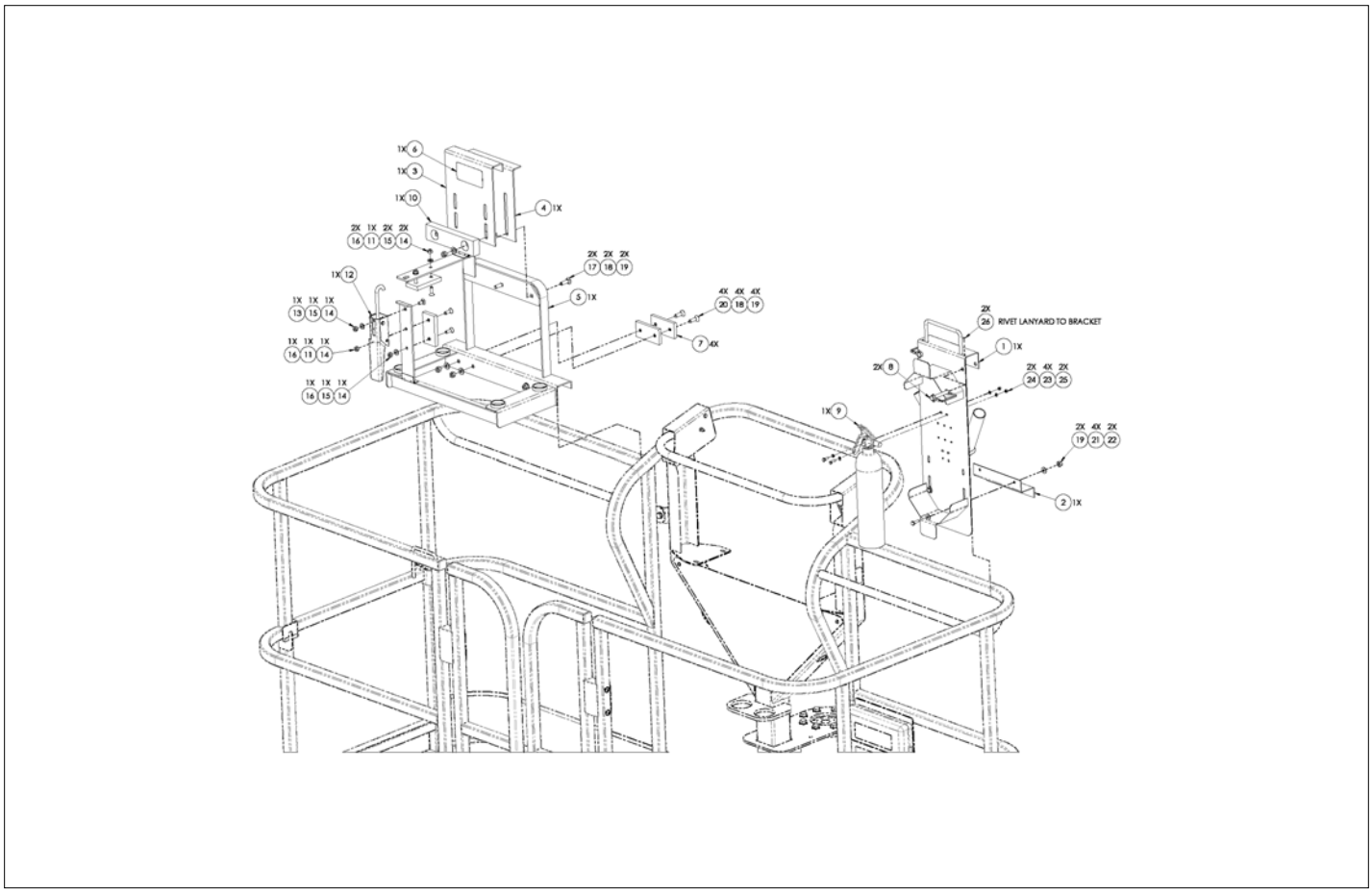
アイテム	部品番号	名前	数量	UOM
-	1432974C	PLATFORM LIGHT PACKAGE INSTALL		EA
1	5093019	CLP CUSH .375 VINYL COATED	4	EA
2	3069545	ASSY LED LIGHT	2	EA
3	1432987	HARNESS PLATFORM LIGHTS	1	EA
4	3220344	CLIP-HARNESS .04-.25 THK	7	EA
5	3220352	HARNESS CW UPPER TOGGLE	1	EA
6	1433279	TAB-1.5 INCH TUBE CLAMP	2	EA
7	5516374	TUBE CLAMP 1.5 INCH OD HEAVY DUTY	2	EA
8	5563965	SHCS M10 X 1.5 X 65 DIN 912 STAINLESS STEEL	4	EA
9	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	4	EA
10	056064-010	Nut NylockNut DIN985 M10 10.0	4	EA
11	1433517	BRACKET, UTILITY LAMP, CTRL BO	1	EA
12	1433523	HARNESS, UTILITY LAMP, CTRL BO	1	EA
13	5563968	FSHCS M4 X 0.7 X 12 CLASS 8.8	2	EA
14	510588-004	Washer, SteelFlatWasher DIN125	2	EA
15	5563100	NUT, HEX, M4 X 0.7 DIN 934	2	EA

OPTIONS



アイテム	部品番号	名前	数量	UOM
-	1433176 A	PLATFORM TOOL TRAY INSTALLATION ANSI CE CSA AS		EA
1	1433177	PLATFORM TOOL BOX	1	EA
2	1433184	BRACKET, PLATFORM TOOL BOX	2	EA
3	5560350	BLT CRG .375-16 1.00 GR5	2	EA
4	986299	WASHER, FLAT, .375 STANDARD, PLATED	2	EA
5	5560033	.375-16UNC HEX LOCK NUT	2	EA

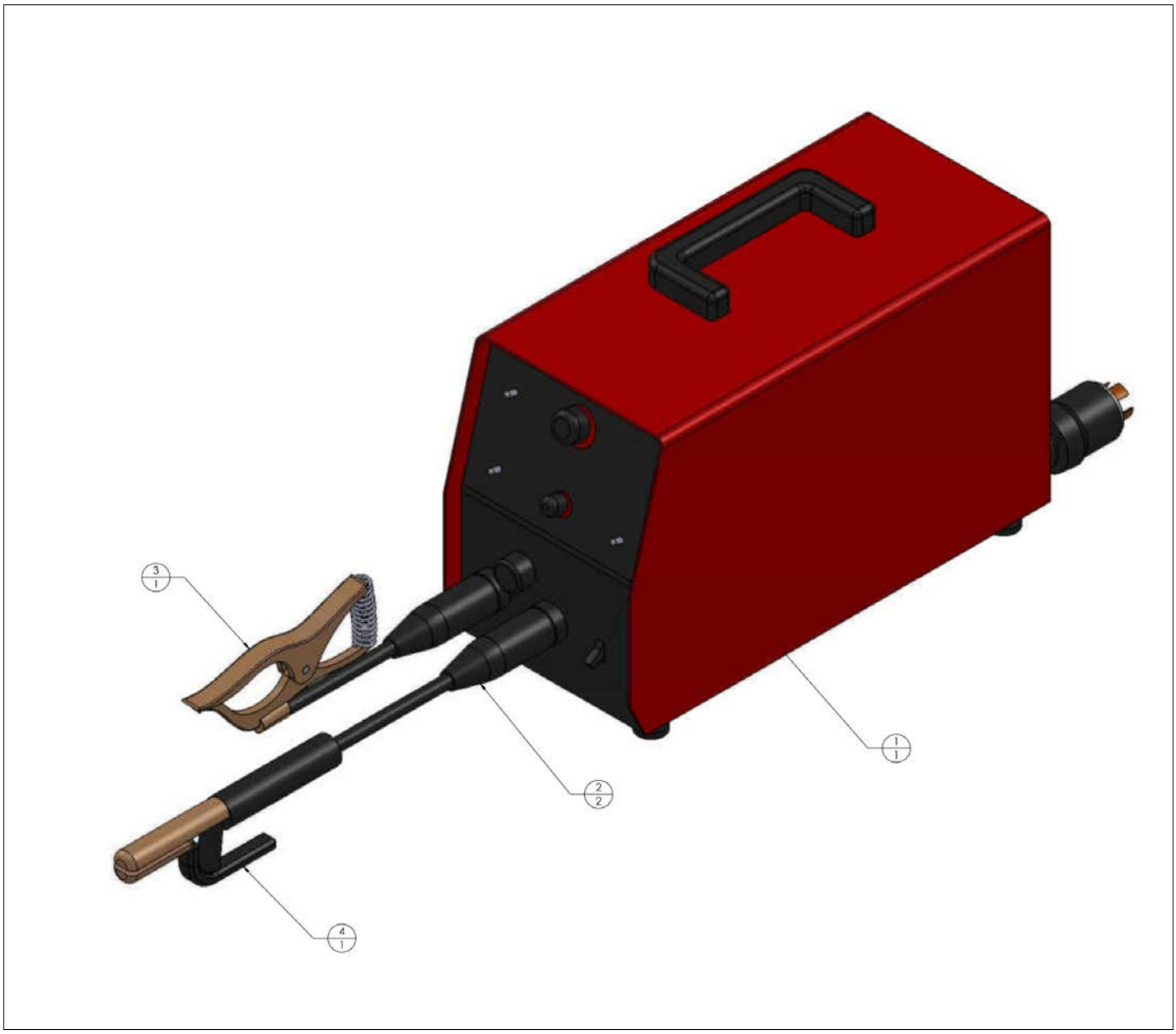
OPTIONS



アイテム	部品番号	名前	数量	UOM
-	1432973A	BASE WELDER PACKAGE INSTALL		EA
1	0083857	WELDMT CABLE STORAGE BRKT	1	EA
2	0083858	BRKT	1	EA
3	0083823	BRKT TOP	1	EA
4	0083825	BRKT LOWER	1	EA
5	0083833	WELDMT WELDER SUPPORT	1	EA
6	0083985	PLAC WARNING TIPPING HAZARD	1	EA
7	0161766	SL PAD 2.00 4.00 .375 2H	4	EA
8	302544	Pin & Lock	2	EA
9	9939464	FIRE EXTINGUISHER	1	EA
10	0083826	SL PAD 2.00 8.25 1.00 2H	1	EA
11	0150121	SL PAD 2.00 4.00 .500 2H	2	EA
12	5516329	LATCH ADJ DRAW	1	EA
13	5560372	-BLT CRG .313-18 .75 GR5	1	EA
14	5560031	NUT HEX LKG .313-18	5	EA
15	5563815	WASHER FLAT .313 NARROW PLTD	4	EA
16	972259	BLT FLSKTHD .313-18 1.00	4	EA
17	972439	BLT CRG .375-16 X 1.25 GR 5 ZP	2	EA
18	056069-012	WASHER DIN125A M12 ZP	6	EA
19	5560033	.375-16UNC HEX LOCK NUT	8	EA
20	5560675	M.SCR 3/8-16 1-1/4 SOC. CAD	4	EA
21	986019	WSHR FLAT .250	4	EA
22	970559	BLT HEXHD .250-20 .875 GR5	2	EA
23	056069-005	Washer SteelFlatWasher DIN125A	4	EA
24	056064-005	Nut, NylockNut DIN985 M5 10.0	2	EA
25	5563804	BOLT HXHD M5X.8X16 YLZN GR10.9	2	EA

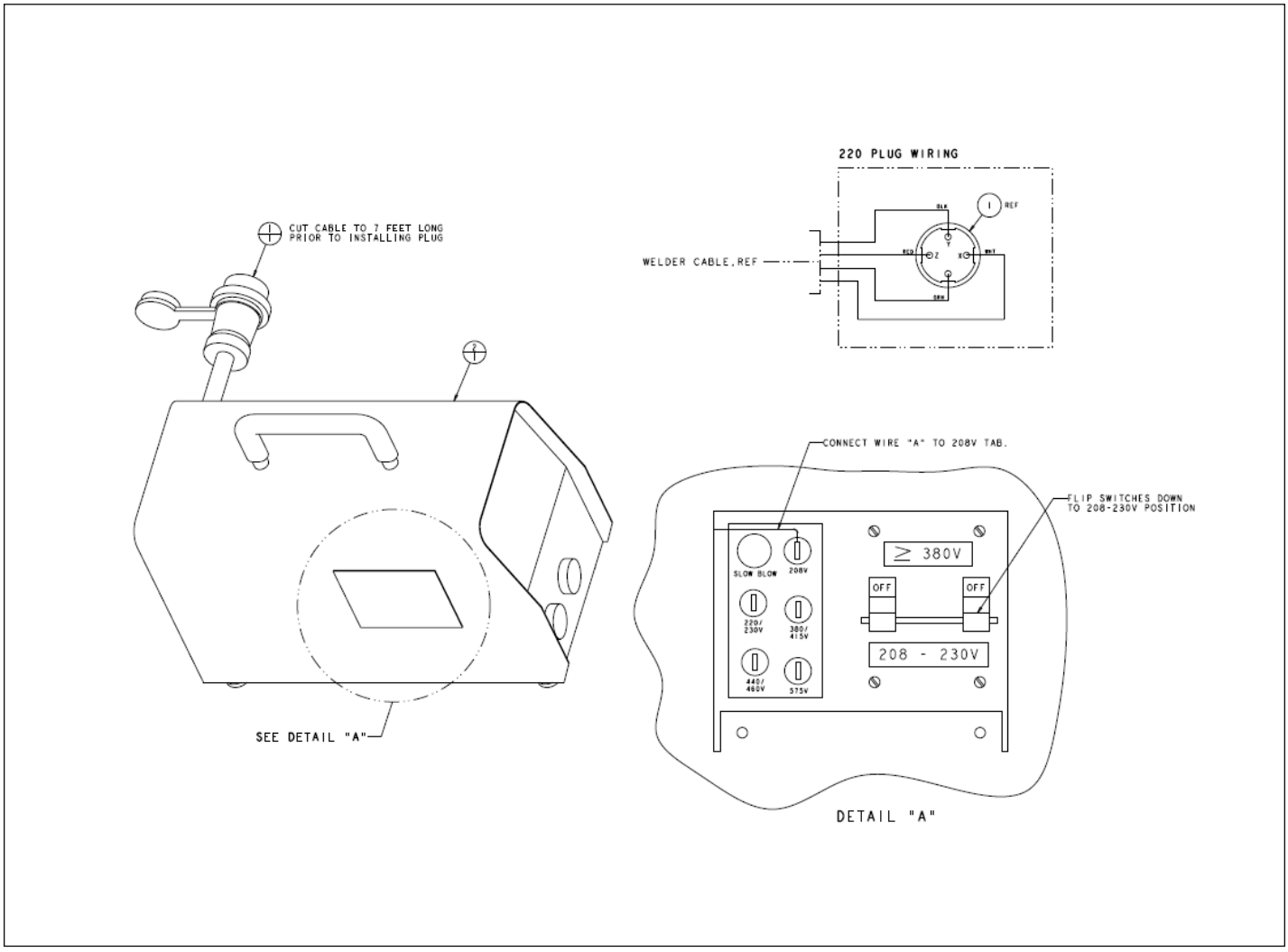
アイテム	部品番号	名前	数量	UOM
26	5560656	RVT POP .125 DIA .375 DMD STL	2	EA

OPTIONS



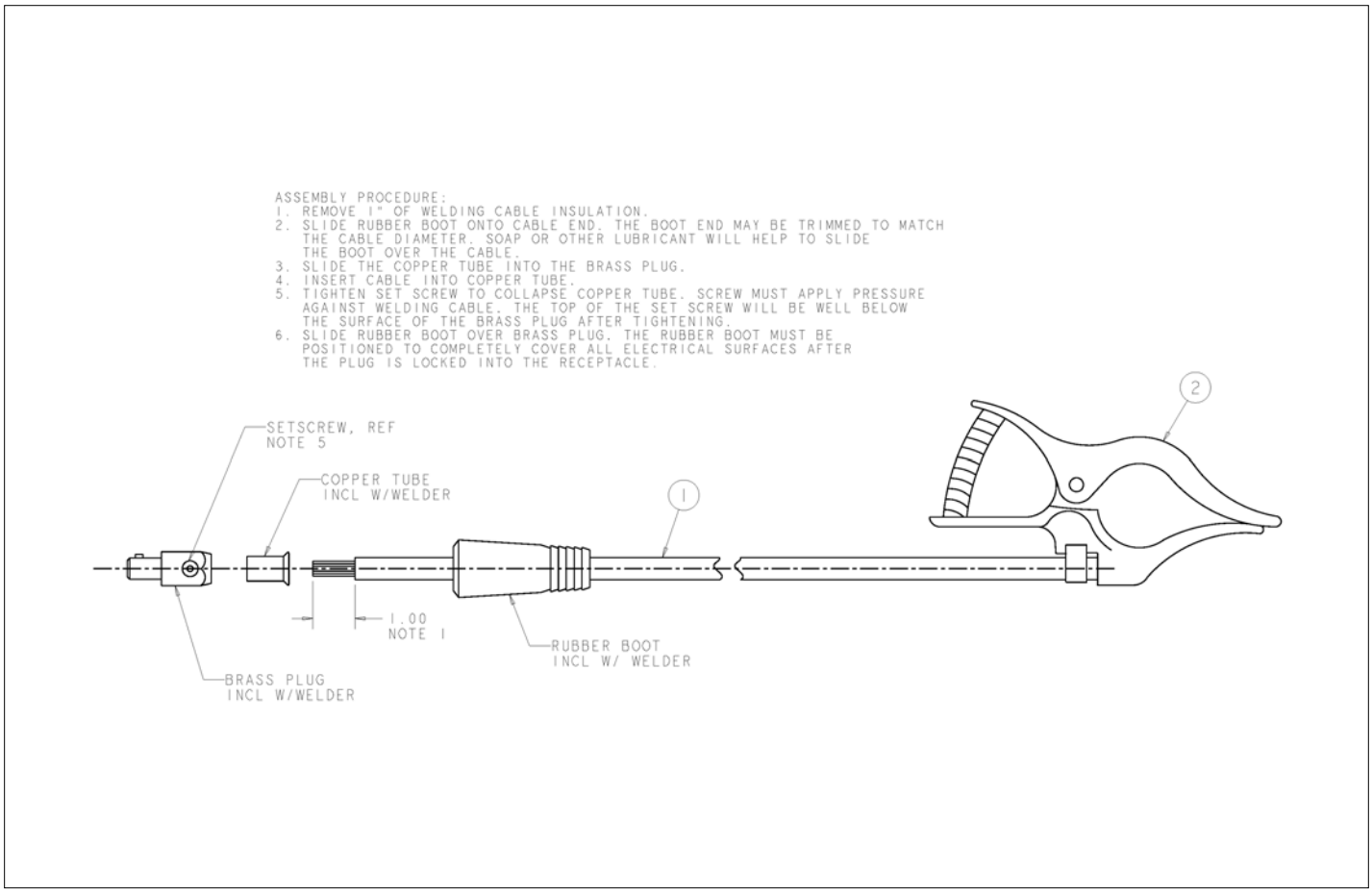
アイテム	部品番号	名前	数量	UOM
-	1433814A	LINCOLN WELDER INSTALL		EA
1	0084084	WELDER ASSEMBLY, LINCOLN V275-S	1	EA
2	3220076	PLUG WELD CABLE END	2	EA
3	0083863	ASSEMBLY, GROUND WIRE	1	EA
4	0083862	ASSEMBLY, ELECTRODE HOLDER WIRE	1	EA

OPTIONS


220 PLUG WIRING
WELDER CABLE, REF
CUT CABLE TO 7 FEET LONG PRIOR TO INSTALLING PLUG
SEE DETAIL "A"
CONNECT WIRE "A" TO 208V TAB.
FLIP SWITCHES DOWN TO 208-230V POSITION
SLOW BLOW
208V
220/ 230V
380/ 415V
440/ 460V
575V
≥ 380V
OFF
OFF
208 - 230V
DETAIL "A"

アイテム	部品番号	名前	数量	UOM
-	0084084A	WELDER ASSEMBLY LINCOLN		EA
1	3045255	PLUG 3 POLE 4 COND 30A	1	EA
2	3220006	WELDER 275 AMP STICK LINCOLN V275-S	1	EA

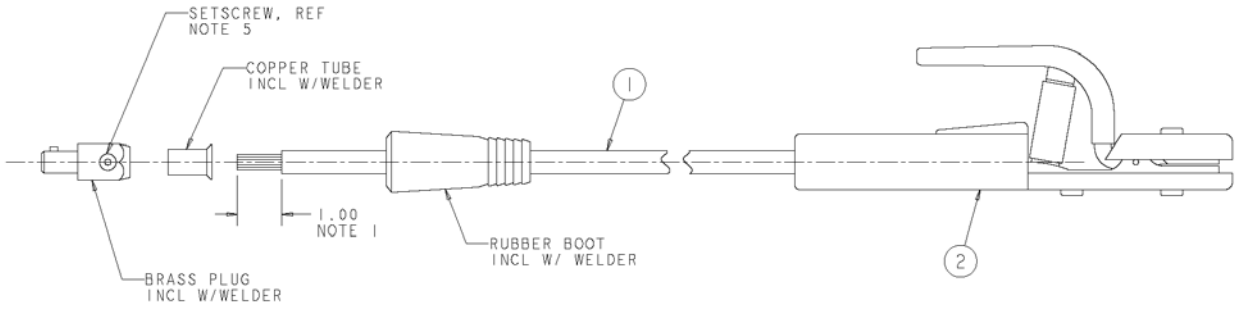
OPTIONS


ASSEMBLY PROCEDURE:
1. REMOVE 1" OF WELDING CABLE INSULATION.
2. SLIDE RUBBER BOOT ONTO CABLE END. THE BOOT END MAY BE TRIMMED TO MATCH THE CABLE DIAMETER. SOAP OR OTHER LUBRICANT WILL HELP TO SLIDE THE BOOT OVER THE CABLE.
3. SLIDE THE COPPER TUBE INTO THE BRASS PLUG.
4. INSERT CABLE INTO COPPER TUBE.
5. TIGHTEN SET SCREW TO COLLAPSE COPPER TUBE. SCREW MUST APPLY PRESSURE AGAINST WELDING CABLE. THE TOP OF THE SET SCREW WILL BE WELL BELOW THE SURFACE OF THE BRASS PLUG AFTER TIGHTENING.
6. SLIDE RUBBER BOOT OVER BRASS PLUG. THE RUBBER BOOT MUST BE POSITIONED TO COMPLETELY COVER ALL ELECTRICAL SURFACES AFTER THE PLUG IS LOCKED INTO THE RECEPTACLE.
SETSCREW, REF NOTE 5
COPPER TUBE INCL W/WELDER
1.00 NOTE 1
BRASS PLUG INCL W/WELDER
RUBBER BOOT INCL W/ WELDER
1
2

アイテム	部品番号	名前	数量	UOM
-	0083863B	GROUND WIRE ASSEMBLY		EA
1	3014716	CABLE #1 WELDING	15FT	EA
2	3220011	WELDER LEAD GROUND CL-218778 3	1	EA

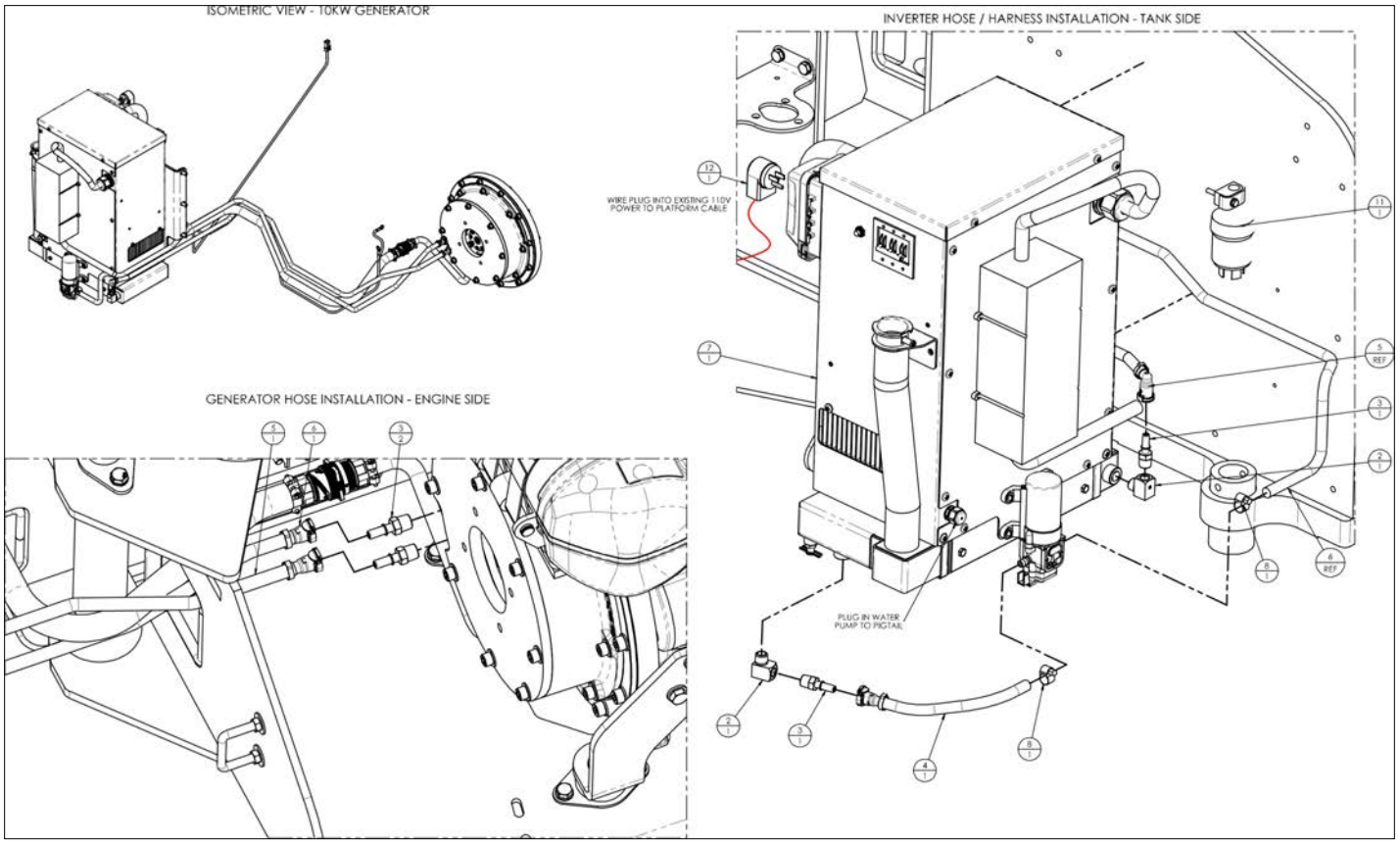
OPTIONS

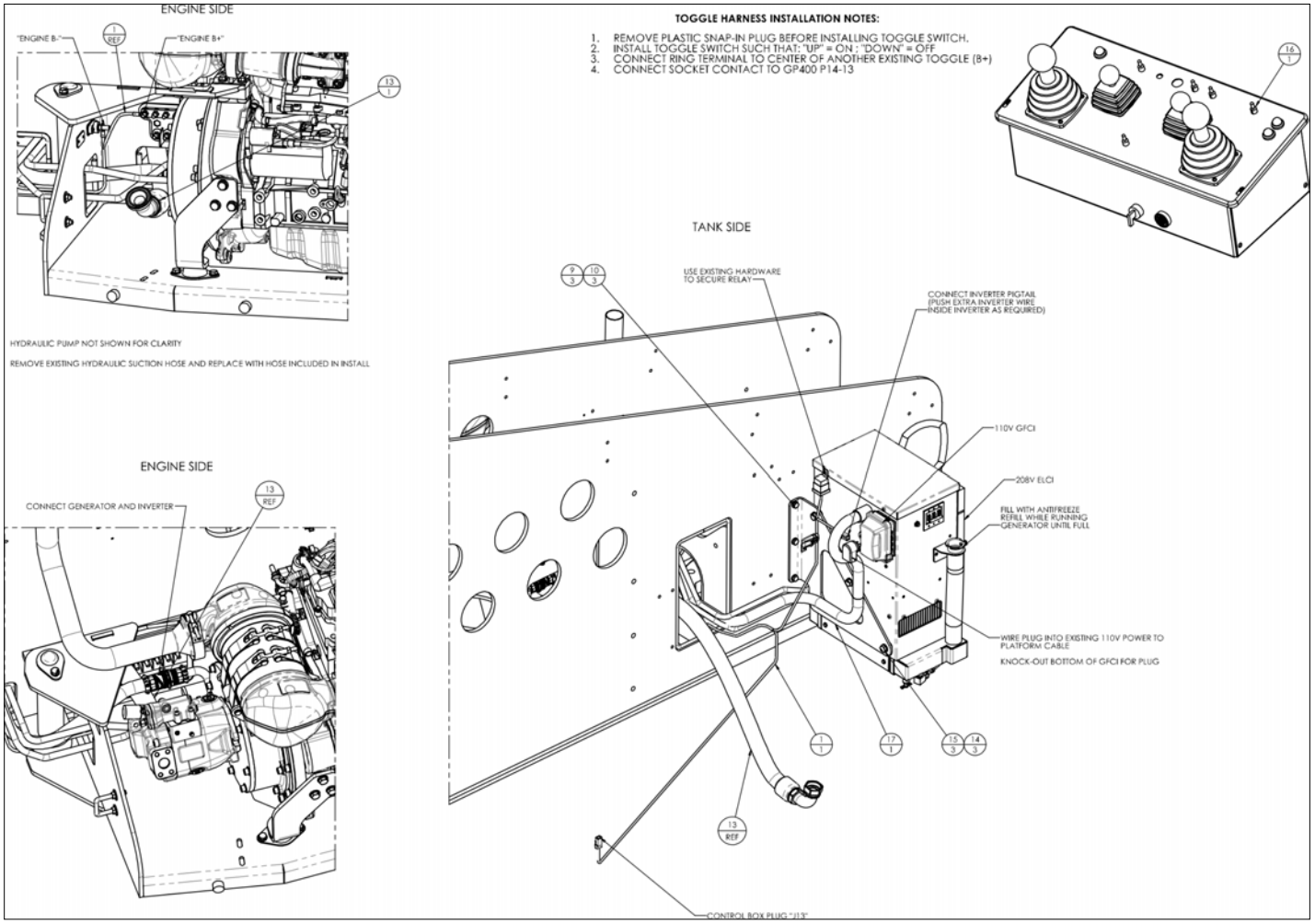
ASSEMBLY PROCEDURE:
1. REMOVE 1" OF WELDING CABLE INSULATION.
2. SLIDE RUBBER BOOT ONTO CABLE END. THE BOOT END MAY BE TRIMMED TO MATCH THE CABLE DIAMETER. SOAP OR OTHER LUBRICANT WILL HELP TO SLIDE THE BOOT OVER THE CABLE.
3. SLIDE THE COPPER TUBE INTO THE BRASS PLUG.
4. INSERT CABLE INTO COPPER TUBE.
5. TIGHTEN SET SCREW TO COLLAPSE COPPER TUBE. SCREW MUST APPLY PRESSURE AGAINST WELDING CABLE. THE TOP OF THE SET SCREW WILL BE WELL BELOW THE SURFACE OF THE BRASS PLUG AFTER TIGHTENING.
6. SLIDE RUBBER BOOT OVER BRASS PLUG. THE RUBBER BOOT MUST BE POSITIONED TO COMPLETELY COVER ALL ELECTRICAL SURFACES AFTER THE PLUG IS LOCKED INTO THE RECEPTACLE.



アイテム	部品番号	名前	数量	UOM
-	0083862B	ELECTRODE HOLDER WIRE ASSEMBLY		EA
1	3014716	CABLE #1 WELDING	15FT	EA
2	3220010	WELDER LEAD EL HOLD 9110-11033	1	EA

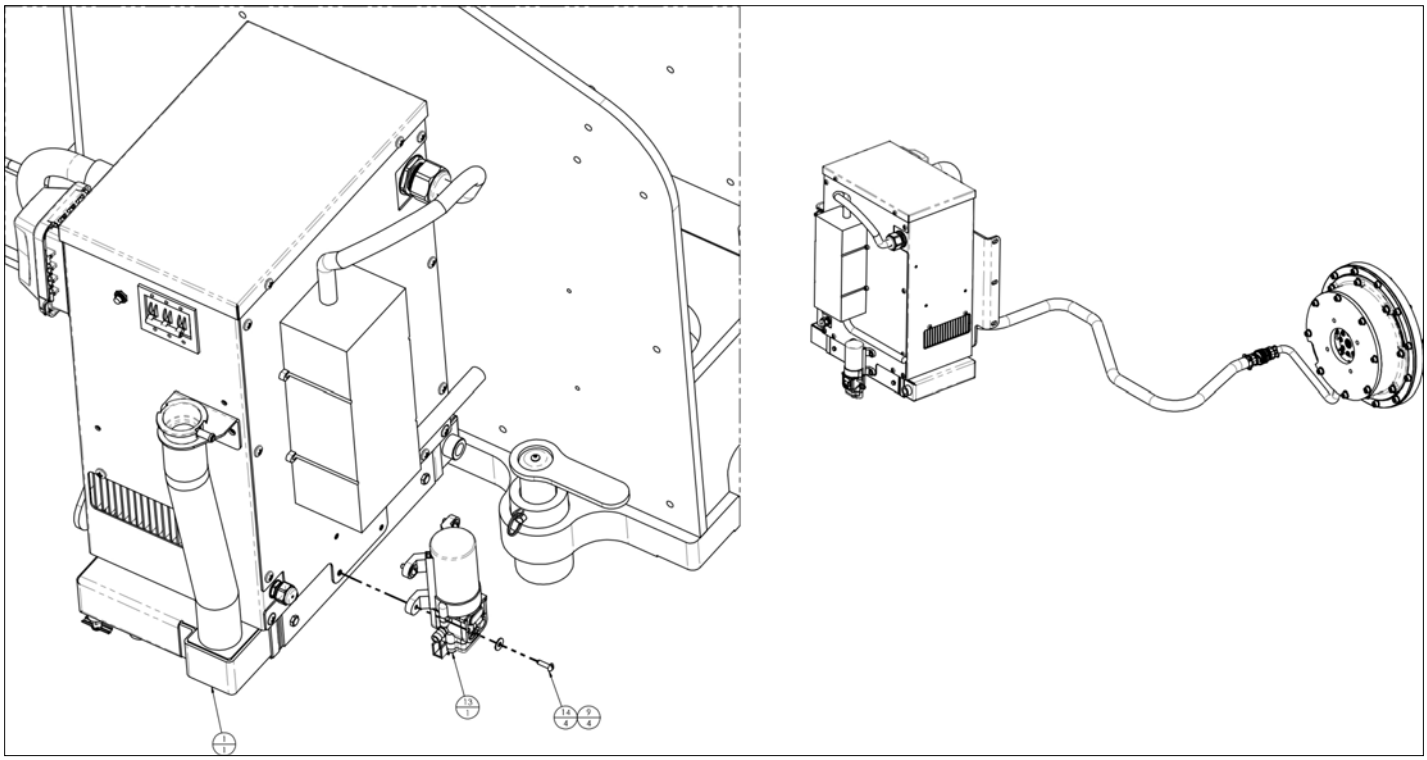
OPTIONS

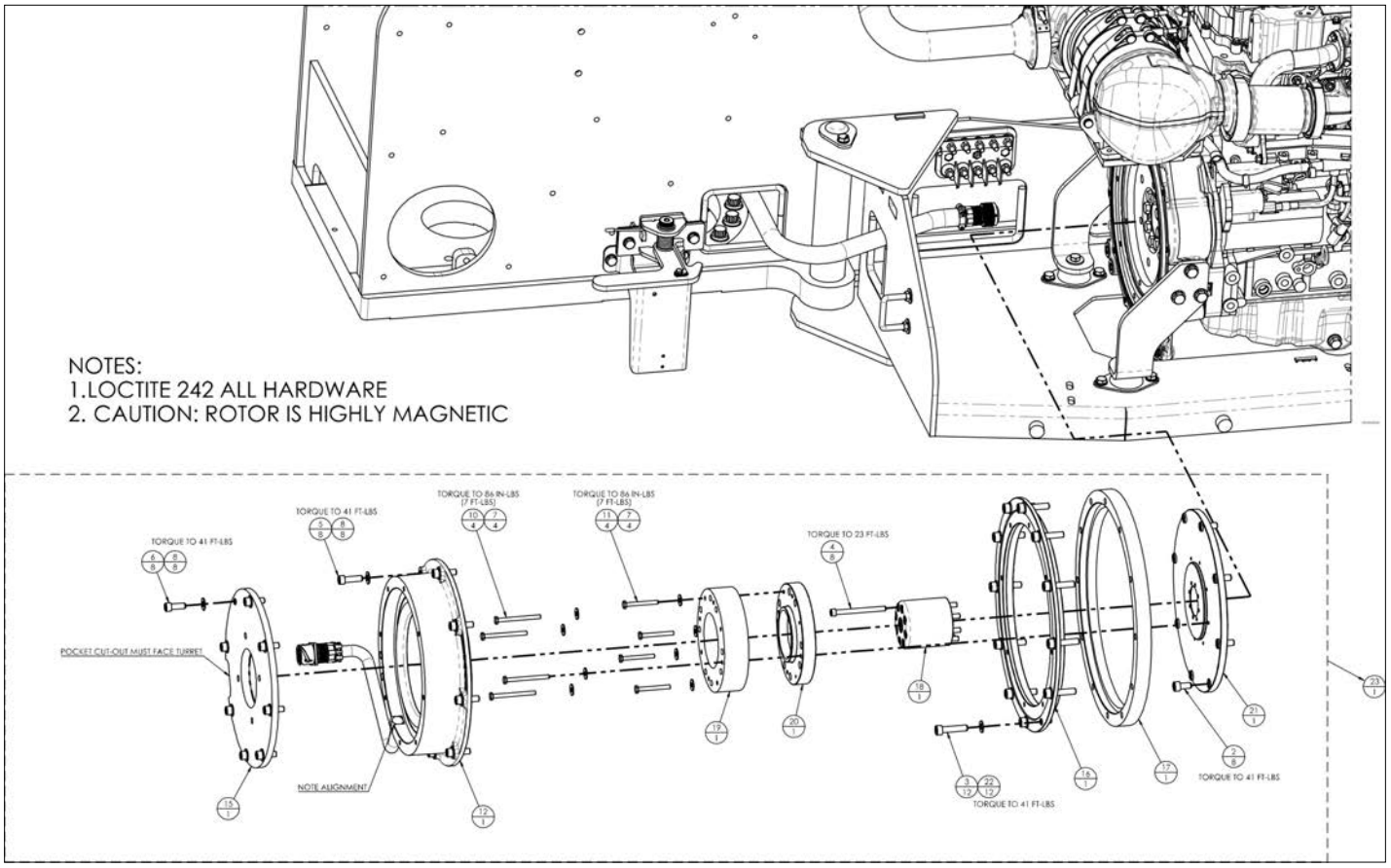

ISOMETRIC VIEW - 10KW GENERATOR
INVERTER HOSE / HARNESS INSTALLATION - TANK SIDE
WIRE PLUG INTO EXISTING 110V POWER TO PLATFORM CABLE
GENERATOR HOSE INSTALLATION - ENGINE SIDE
PLUG IN WATER PUMP TO PIGTAIL


ENGINE SIDE
"ENGINE B-"
"ENGINE B+"
1 REF
13 1
HYDRAULIC PUMP NOT SHOWN FOR CLARITY
REMOVE EXISTING HYDRAULIC SUCTION HOSE AND REPLACE WITH HOSE INCLUDED IN INSTALL
ENGINE SIDE
CONNECT GENERATOR AND INVERTER
13 REF
TOGGLE HARNESS INSTALLATION NOTES:
1. REMOVE PLASTIC SNAP-IN PLUG BEFORE INSTALLING TOGGLE SWITCH.
2. INSTALL TOGGLE SWITCH SUCH THAT: "UP" = ON ; "DOWN" = OFF
3. CONNECT RING TERMINAL TO CENTER OF ANOTHER EXISTING TOGGLE (B+)
4. CONNECT SOCKET CONTACT TO GP400 P14-13
16 1
TANK SIDE
9 3
10 3
USE EXISTING HARDWARE TO SECURE RELAY
CONNECT INVERTER PIGTAIL (PUSH EXTRA INVERTER WIRE INSIDE INVERTER AS REQUIRED)
110V GFCI
208V ELCI
FILL WITH ANTIFREEZE REFILL WHILE RUNNING GENERATOR UNTIL FULL
WIRE PLUG INTO EXISTING 110V POWER TO PLATFORM CABLE
KNOCK-OUT BOTTOM OF GFCI FOR PLUG
1 1
17 1
15 3
14 3
13 REF
CONTROL BOX PLUG "J13"

アイテム	部品番号	名前	数量	UOM
-	1433786 A	10KW GENERATOR INSTALLATION 400S 460SJ JANUARY 2020 AND AFTER		EA
1	1432941	HARNESS SHAWNEE 10KW GENERATOR	1	EA
2	5260041	FTG BRASS 90 ELBOW-6 NPT MALE	2	EA
3	5028035	3/8 straight safe lock x 1/4	4	EA
4	1432959	COOLANT HOSE RADIATOR TO PUMP	1	EA
5	1432960	COOLANT HOSE GENERATOR TO RAD	1	EA
6	1432961	COOLANT HOSE PUMP TO GENERATOR	1	EA
7	1433787	10KW GENERATOR KIT-400S/460SJ	1	EA
8	5550006	CLP WORM DRV .38-.88 SAE#6	2	EA
9	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	3	EA
10	058493-025	HHCS M10 X 25MM GR10.9 DIN933	3	EA
11	1432986	INSTALL AC PWR CABLE-10KW GEN	1	EA
12	3040219	PLUG MALE CONNECTOR 90D 125VAC	1	EA
13	1434469	SUCTION HOSE ASSY 1.25ID MAIN	1	EA
14	056069-012	WASHER DIN125A M12 ZP	3	EA
15	5563507	BLT THXHD M12 X 1.75 X 25 YZ GR10.9	3	EA
16	3220313	HARNESS GENRTR TGL SW SPST	1	EA
17	1433274	BRACKET-10KW GEN, 400S/460SJ	1	EA

OPTIONS

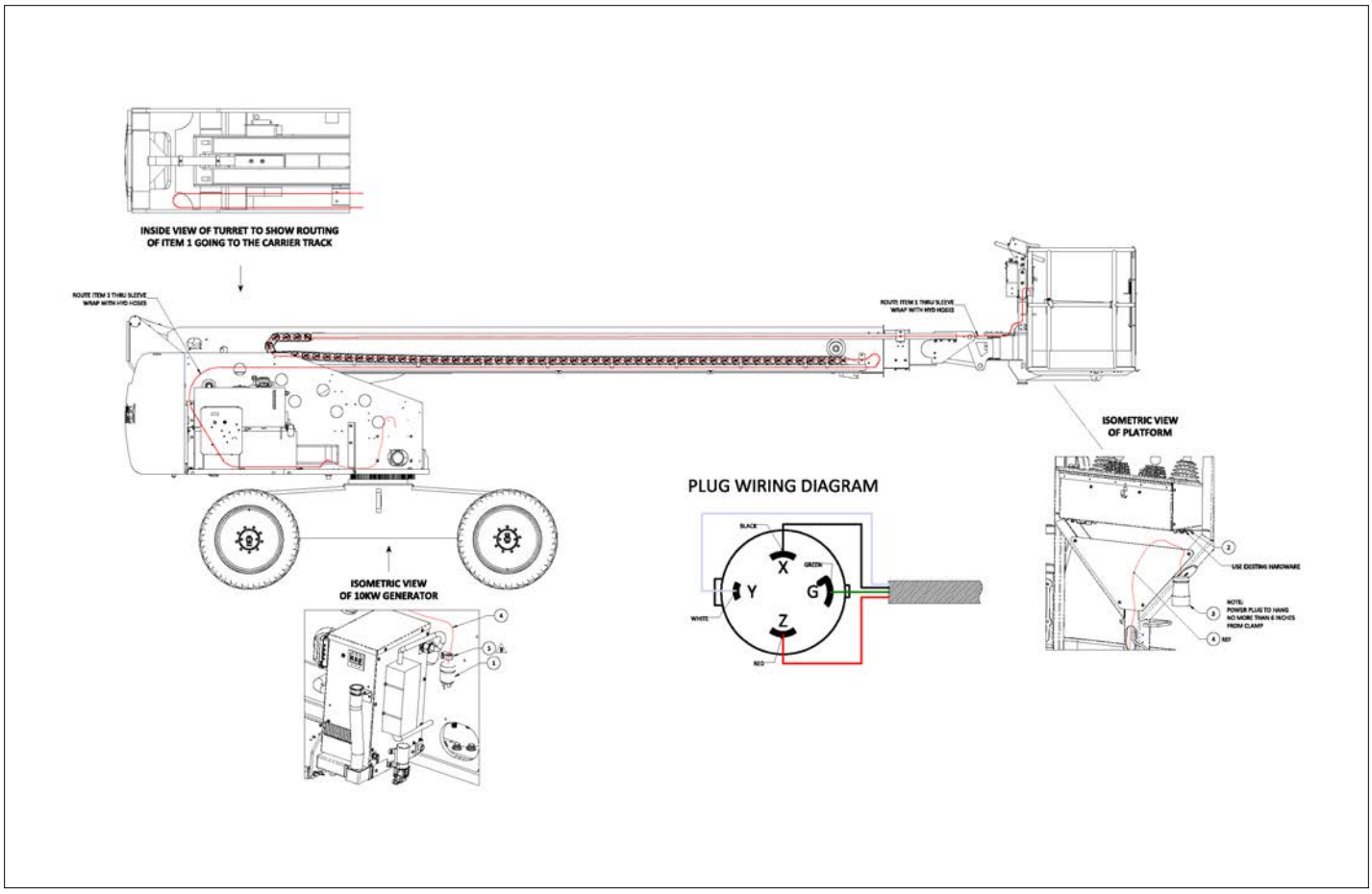



NOTES:
1.LOCTITE 242 ALL HARDWARE
2. CAUTION: ROTOR IS HIGHLY MAGNETIC
TORQUE TO 41 FT-LBS
TORQUE TO 41 FT-LBS
TORQUE TO 86 IN-LBS (7 FT-LBS)
TORQUE TO 86 IN-LBS (7 FT-LBS)
TORQUE TO 23 FT-LBS
POCKET CUT-OUT MUST FACE TURRET
NOTE ALIGNMENT
TORQUE TO 41 FT-LBS
TORQUE TO 41 FT-LBS

アイテム	部品番号	名前	数量	UOM
-	1433787 A	10KW GENERATOR 400S 460SJ 600S 660SJ		EA
1	1432956	10KW GENERATOR INVERTER-SHAWNE	1	EA
2	5560595	SHCS M10X1.5X20 G8.8ISO 4762	8	EA
3	5564009	SHCS M10X1.5X45 G8.8 ISO 4762	12	EA
4	5563903	SHCS .3125-18 UNC GR8, 3.50 LG	8	EA
5	5563904	SHCS .375-16UNC GR8 1.25LG PLT	8	EA
6	5563905	SHCS .375-16UNC GR8 1.00LG PLT	8	EA
7	986019	WSHR FLAT .250	8	EA
8	5560222	WSHR FLAT HARD .375 SP	16	EA
9	986009	WSHR FLAT 10	4	EA
10	970129	BLT HEXHD .250-20 3.00	4	EA
11	969999	BLT HEXHD .250-20 2.25 GR5-	4	EA
12	1432952	ASSY STATOR 10KW 3 PHASE GEN	1	EA
13	1432957	PUMP 10KW GENERATOR 12V DC	1	EA
14	974679	SCR RDH MACH 10-24 .625	4	EA
15	1432955	PUMP PLATE SAE 6 10KW GEN	1	EA
16	1432949	ADAPTER SAE 4 TO SAE 5	1	EA
17	1433789	SPACER, SAE4 1" OFFSET	1	EA
18	1432951	STUB SHAFT 1" 15 TOOTH 10KWGEN	1	EA
19	1432953	ROTOR 1.75" N40 10KW GEN	1	EA
20	1432954	ROTOR SPACER 10KW GEN	1	EA
21	1432950	PLATE FLYWHEEL ADAPTR 10KW GEN	1	EA
22	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	12	EA

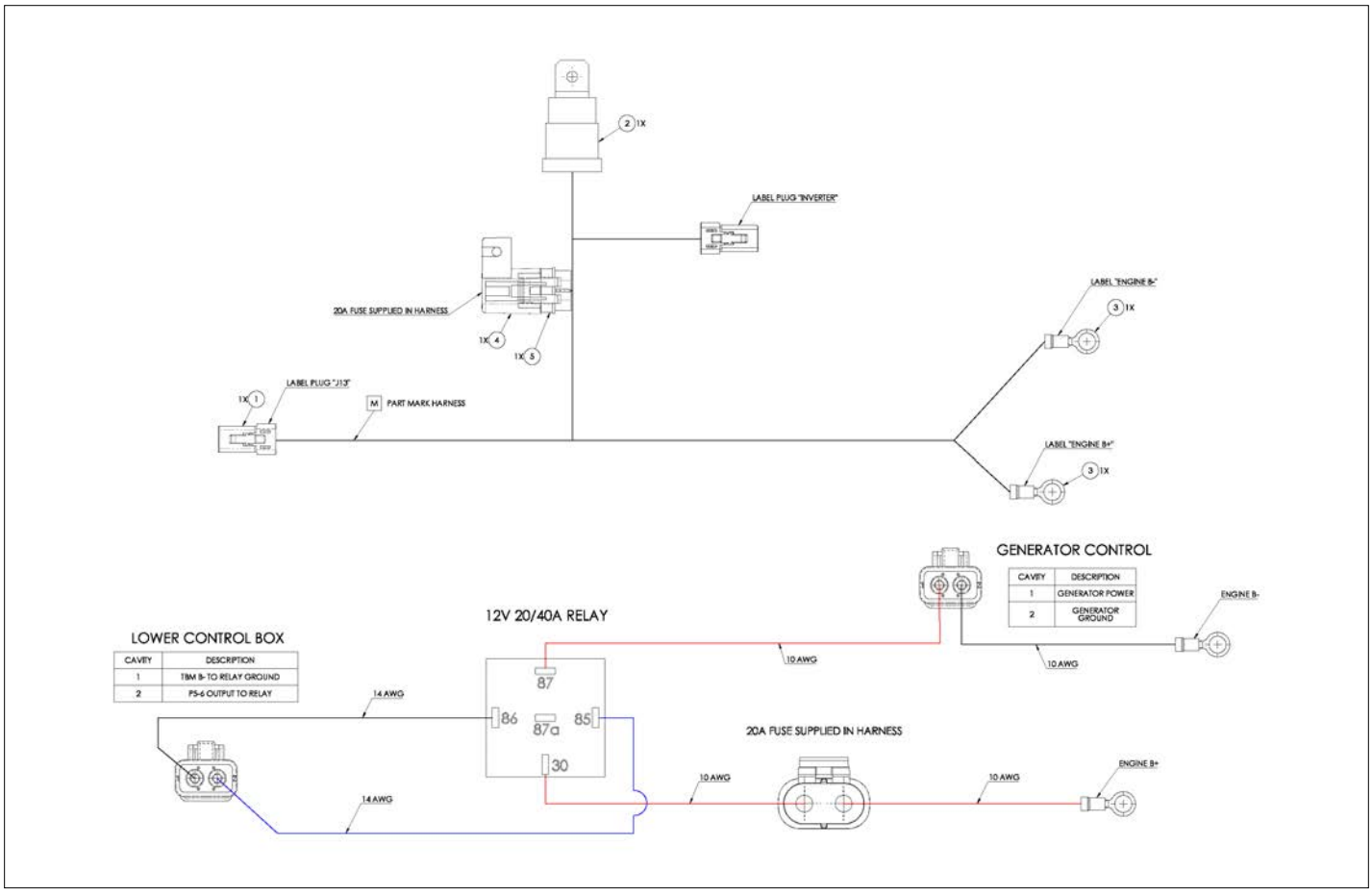
アイテム	部品番号	名前	数量	UOM
23	7631091	10KW GENERATOR ASSEMBLY COMPLETE	1	EA

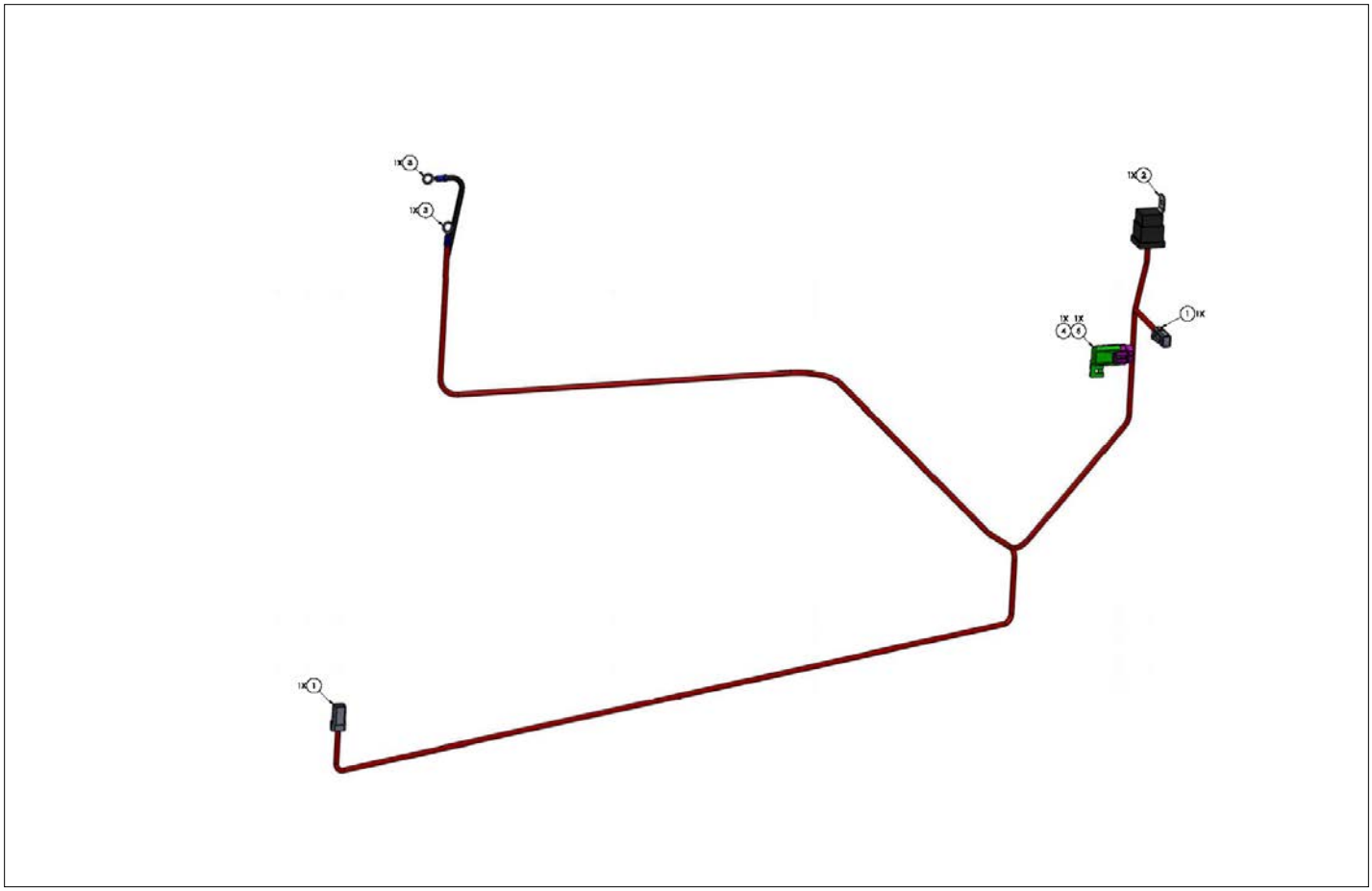
OPTIONS


INSIDE VIEW OF TURRET TO SHOW ROUTING OF ITEM 1 GOING TO THE CARRIER TRACK
ISOMETRIC VIEW OF 10KW GENERATOR
PLUG WIRING DIAGRAM
ISOMETRIC VIEW OF PLATFORM
X
Y
Z
G

アイテム	部品番号	名前	数量	UOM
-	1432986 B	AC POWER CABLE 10KW GENERATOR 600S INSTALLATION		EA
1	3045255	PLUG 3 POLE 4 COND 30A	1	EA
2	5093021	CLP CUSH .625 VINYL COATED	1	EA
3	3220350	PLUG 250V 30A 3P4W	1	EA
4	3014808	CABLE POWER CONTROL 10AWG 4CND	90FT	EA
5	26956-000	TUBE CLAMP ASSEMBLY SERVICE USE SP	1	EA

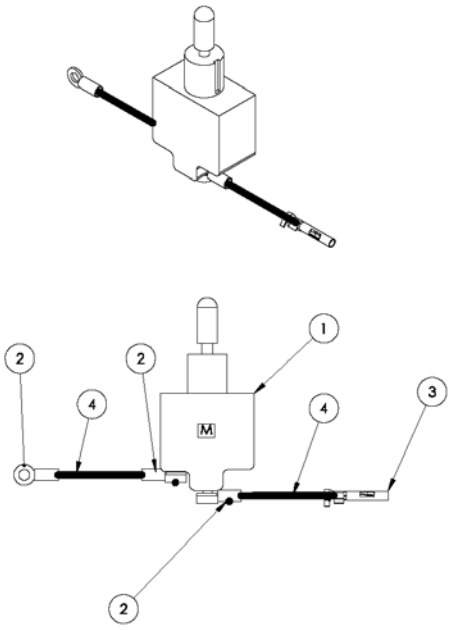
OPTIONS


2 1X
LABEL PLUG "INVERTER"
20A FUSE SUPPLIED IN HARNESS
1X 4
1X 5
LABEL "ENGINE B-"
3 1X
1X 1
LABEL PLUG "J13"
M PART MARK HARNESS
LABEL "ENGINE B+"
3 1X
GENERATOR CONTROL
CAVITY DESCRIPTION
1 GENERATOR POWER
2 GENERATOR GROUND
ENGINE B-
12V 20/40A RELAY
10 AWG
10 AWG
LOWER CONTROL BOX
CAVITY DESCRIPTION
1 TBM B- TO RELAY GROUND
2 PS-6 OUTPUT TO RELAY
14 AWG
87
86
87a
85
30
20A FUSE SUPPLIED IN HARNESS
10 AWG
10 AWG
ENGINE B+
14 AWG



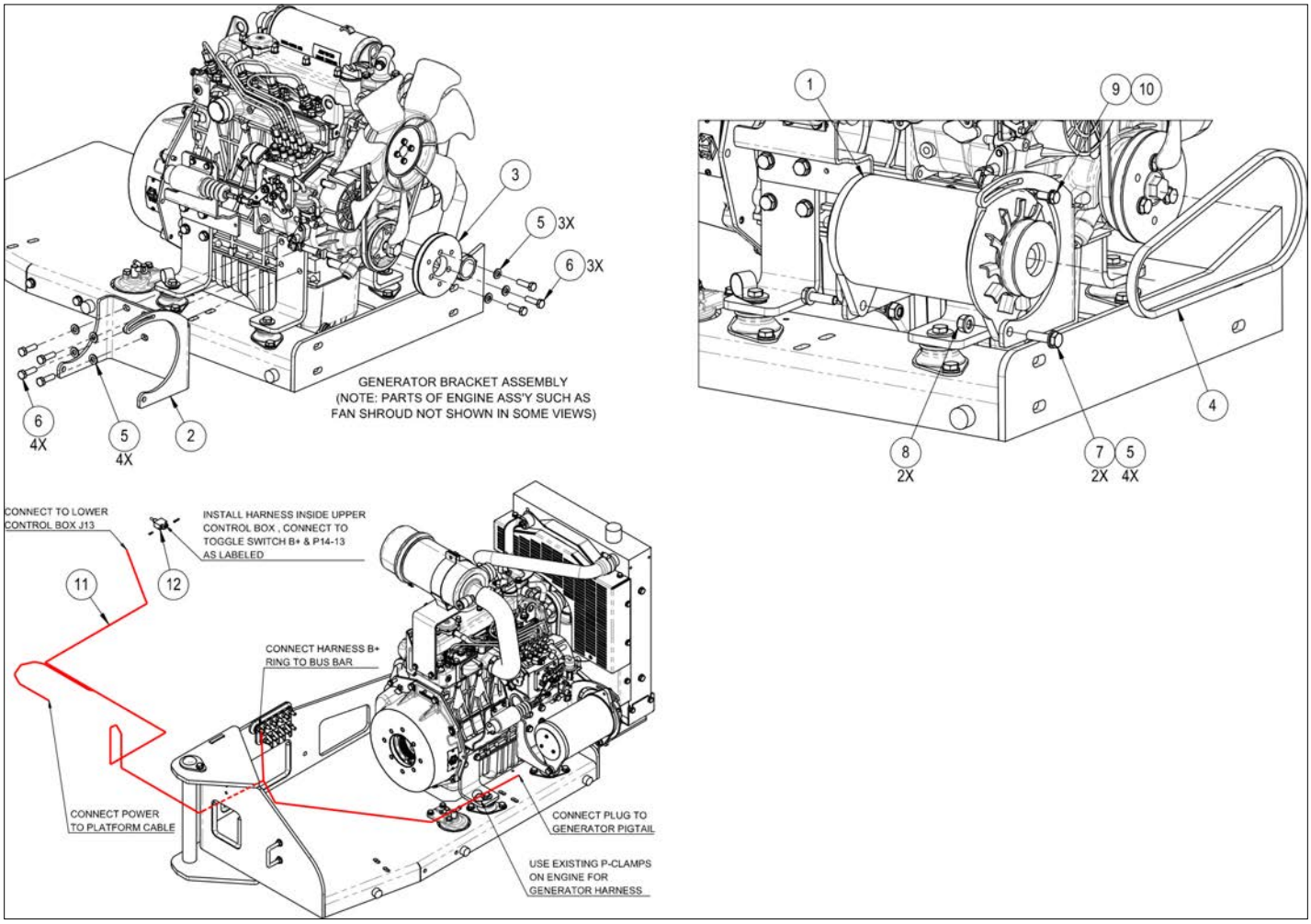
アイテム	部品番号	名前	数量	UOM
-	1432941 A	10KW GENERATOR HARNESS		EA
1	12555-009	CONNECTOR, DEUTCH	2	EA
2	3028885	RELAY 12V 20/40A	1	EA
3	3048836	RING TERMINAL 10-12 AWG, .375 STUD	2	EA
4	3220299	CONNECTOR, DELPHI METRI-PACK	1	EA
5	3220337	FUSE HOLDER, 30A 12V	1	EA

OPTIONS



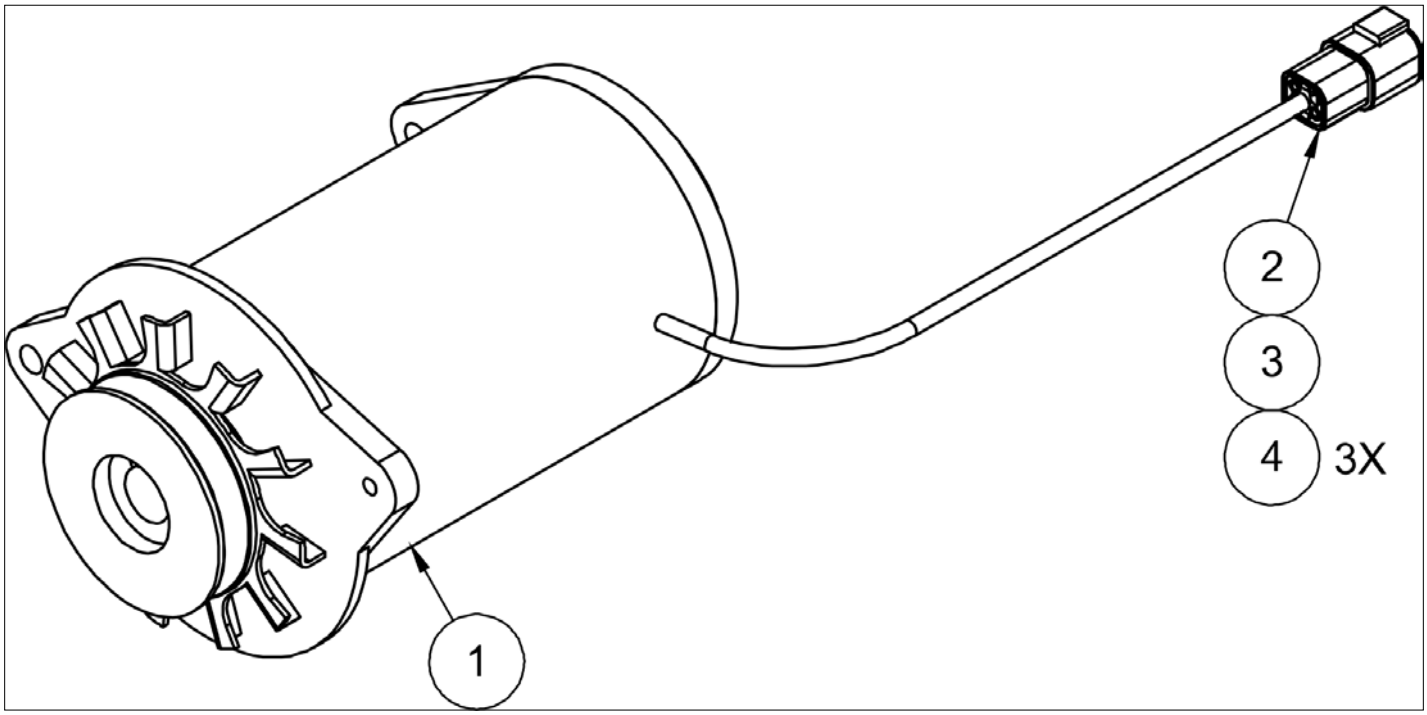
アイテム	部品番号	名前	数量	UOM
-	3220313 B	GENERATOR TOGGLE SWITCH HARNESS		EA
1	3020013	Switch, Toggle - Honeywell INTI-2	1	EA
2	3220310	RING TERM 14-16 ANG TO #6 SCREW INSULATED	3	EA
3	3049989	AMP SOCKET CONTACT	1	EA
4	3011641	WIRE 16GA SINGLE CONDUCTOR WHT	A/R	EA

OPTIONS


3
5 3X
6 3X
6 4X
5 4X
2
GENERATOR BRACKET ASSEMBLY
(NOTE: PARTS OF ENGINE ASS'Y SUCH AS
FAN SHROUD NOT SHOWN IN SOME VIEWS)
1
9
10
4
8 2X
7 2X
5 4X
CONNECT TO LOWER
CONTROL BOX J13
INSTALL HARNESS INSIDE UPPER
CONTROL BOX , CONNECT TO
TOGGLE SWITCH B+ & P14-13
AS LABELED
11
12
CONNECT HARNESS B+
RING TO BUS BAR
CONNECT POWER
TO PLATFORM CABLE
CONNECT PLUG TO
GENERATOR PIGTAIL
USE EXISTING P-CLAMPS
ON ENGINE FOR
GENERATOR HARNESS

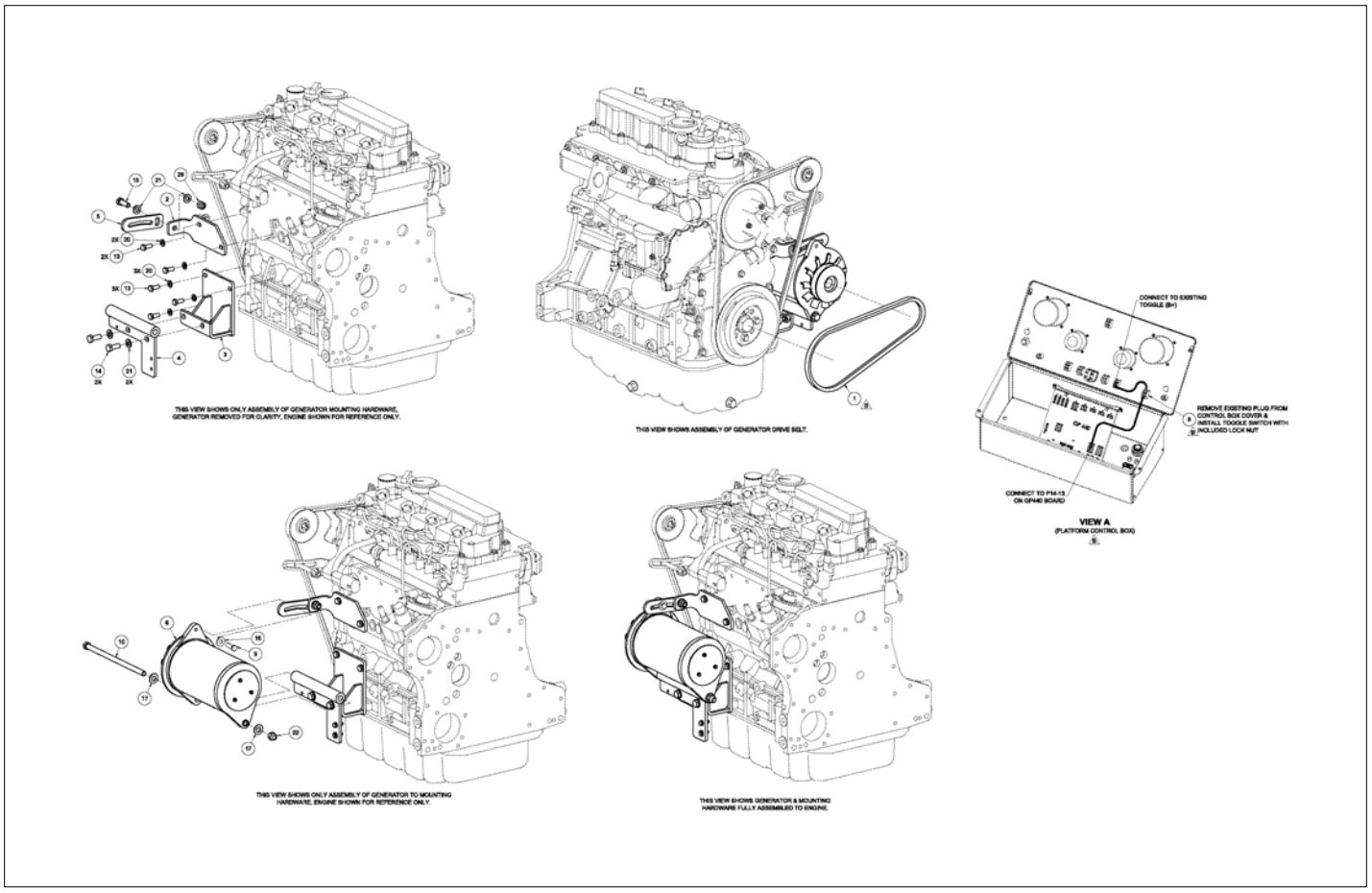
アイテム	部品番号	名前	数量	UOM
-	1434562 A	2.5 KW GENERATOR INSTALLATION KUBOTA		EA
1	1434030	ASSY GENERATOR 2KW FABCO SINGLE V-BELT	1	EA
2	1434563	BRKT, 2KW GENERATOR 400/460 KUBOTA	1	EA
3	7631228	PULLEY, V-BELT 130MM	1	EA
4	7210017	V-BELT, 1/2" WIDE X 33" LENGTH	1	EA
5	5563543	WSHR, FLAT M10 YL ZN GR 10.9	11	EA
6	10414-035	BOLT HHCS M10-1.25MMX35 CLASS 10.9 DIN 933 PLTD	7	EA
7	5563898	HHCS M10 X 35 G10.9 DIN 931	2	EA
8	10939-011	NUT M10-1.50 REG HEX LOCK*****	2	EA
9	510681-020	HHCS M8X1.25X20 G10.9 ISO 4014 DIN 933	1	EA
10	5563542	WSHR, FLAT M8 YL ZN GR 10.9	1	EA
11	1434386	HARNESS, 2.5KW GEN, 460/660	1	EA
12	3220313	HARNESS GENRTR TGL SW SPST	1	EA

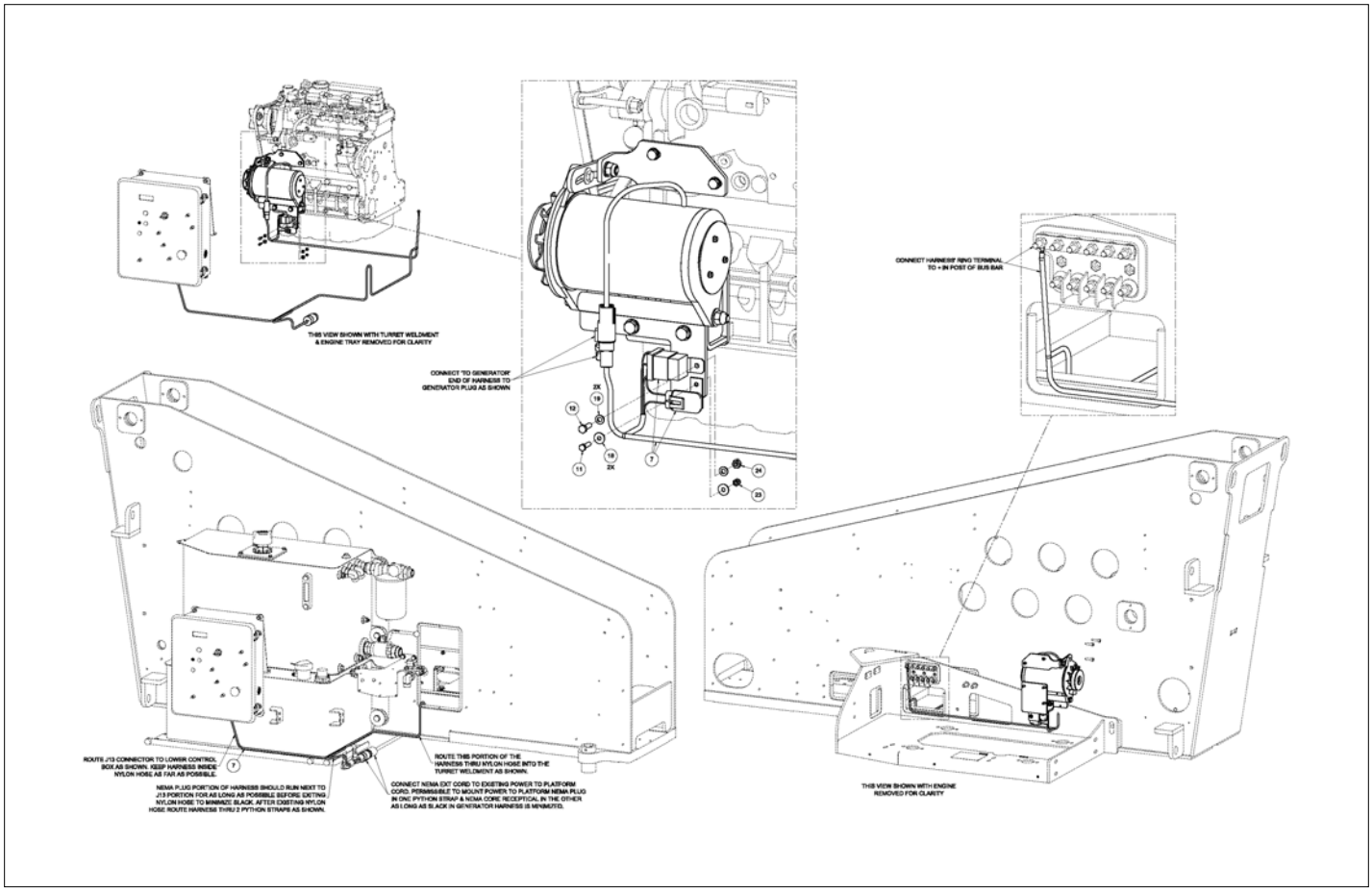
OPTIONS



アイテム	部品番号	名前	数量	UOM
-	1434030 A	2KW FABCO SINGLE V-BELT GENERATOR ASSEMBLY		EA
1	3087845	GENERATOR, 2.5KW, SINGLE "V"	1	EA
2	12554-008	CONNECTOR DEUTSCH DTP04-4P	1	EA
3	12554-018	WEDGELOCK FOR DTP04-4P	1	EA
4	12554-026	PIN SIZE-12 (12-14GA) DTP	3	EA

OPTIONS

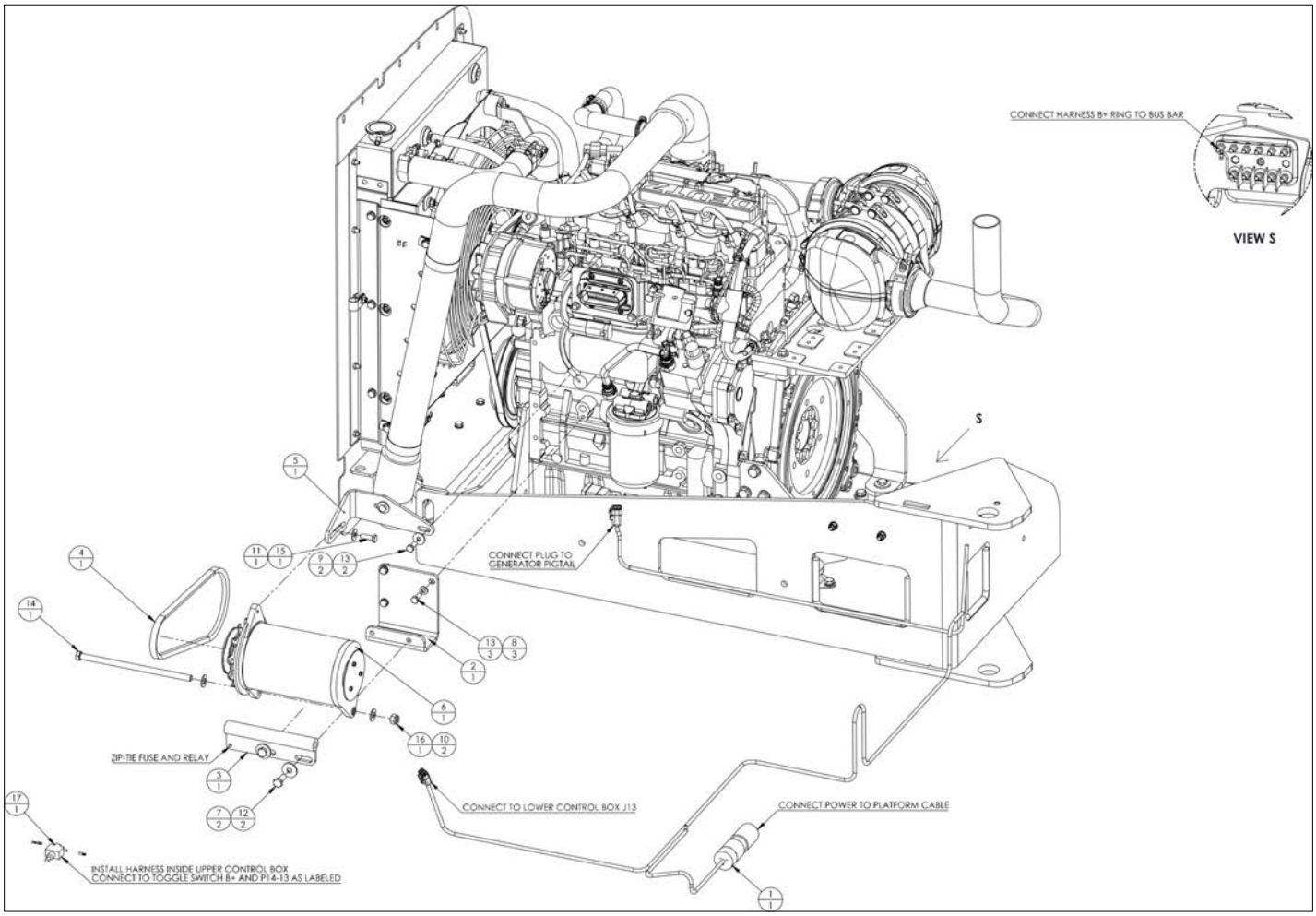

THIS VIEW SHOWS ONLY ASSEMBLY OF GENERATOR MOUNTING HARDWARE, GENERATOR REMOVED FOR CLARITY, ENGINE SHOWN FOR REFERENCE ONLY.
THIS VIEW SHOWS ASSEMBLY OF GENERATOR DRIVE BELT.
CONNECT TO EXISTING TOGGLE (B+)
REMOVE EXISTING PLUG FROM CONTROL BOX COVER & INSTALL TOGGLE SWITCH WITH INCLUDED LOCK NUT
CONNECT TO P14-13 ON GP40 BOARD
VIEW A
(PLATFORM CONTROL BOX)
THIS VIEW SHOWS ONLY ASSEMBLY OF GENERATOR TO MOUNTING HARDWARE, ENGINE SHOWN FOR REFERENCE ONLY.
THIS VIEW SHOWS GENERATOR & MOUNTING HARDWARE FULLY ASSEMBLED TO ENGINE.


THIS VIEW SHOWN WITH TURRET WELDMENT & ENGINE TRAY REMOVED FOR CLARITY
CONNECT "TO GENERATOR" END OF HARNESS TO GENERATOR PLUG AS SHOWN
CONNECT HARNESS' RING TERMINAL TO + IN POST OF BUS BAR
ROUTE J13 CONNECTOR TO LOWER CONTROL BOX AS SHOWN. KEEP HARNESS INSIDE NYLON HOSE AS FAR AS POSSIBLE.
NEMA PLUG PORTION OF HARNESS SHOULD RUN NEXT TO J13 PORTION FOR AS LONG AS POSSIBLE BEFORE EXITING NYLON HOSE TO MINIMIZE SLACK. AFTER EXISTING NYLON HOSE ROUTE HARNESS THRU 2 PYTHON STRAPS AS SHOWN.
ROUTE THIS PORTION OF THE HARNESS THRU NYLON HOSE INTO THE TURRET WELDMENT AS SHOWN.
CONNECT NEMA EXT CORD TO EXISTING POWER TO PLATFORM CORD. PERMISSIBLE TO MOUNT POWER TO PLATFORM NEMA PLUG IN ONE PYTHON STRAP & NEMA CORE RECEPTICAL IN THE OTHER AS LONG AS SLACK IN GENERATOR HARNESS IS MINIMIZED.
THIS VIEW SHOWN WITH ENGINE REMOVED FOR CLARITY

アイテム	部品番号	名前	数量	UOM
*	1433220 B	2.5 kw GENERATOR DEUTZ 2.9D INSTALLATION 400S 460SJ NOVEMBER 2019 AND BEFORE		EA
1	7210016	V-BELT, 34" OD, DEUTZ	1	EA
2	1433577	SUPT MOUNT, TOP, 2K GEN	1	EA
3	1433571	WELDMENT LOWER BRKT, 2K GEN	1	EA
4	1433570	WELDMENT SPACER BRKT 2K GEN	1	EA
5	1433578	MOUNTING, ADJUST 2K GEN	1	EA
6	1434030	ASSY GENERATOR 2KW FABCO SINGLE V-BELT	1	EA
7	1434023	HARNESS, 2.5kW GENERATOR, 460	1	EA
8	3220313	HARNESS GENRTR TGL SW SPST	1	EA
9	970369	BLT HEXHD .313-18 X 1.00 GR5	1	EA
10	5563975	HHCS .4375-14 UNC, GR8, 9.00LG	1	EA
11	058490-020	Bolt, HexSetScrew DIN933 M5 x	1	EA
12	058491-020	HHCS M6 X 1 X 20 G8.8 DIN 933	1	EA
13	058492-020	Bolt HexSetScrew DIN933 M8 x 2	5	EA
14	058493-025	HHCS M10 X 25MM GR10.9 DIN933	2	EA
15	056060-030	BOLT HEXBOLT DIN931 M10 X 30MM 8.8 ZP	1	EA
16	986269	WSHR FLAT .313	2	EA
17	5563786	WASHER FLAT .438 NARROW PLTD	2	EA
18	508247-005	Washer,PennyWasher, DIN9021,M5	2	EA
19	056069-006	WSHR STEELFLATWSHE M6 DIN125A	5	EA
20	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	4	EA

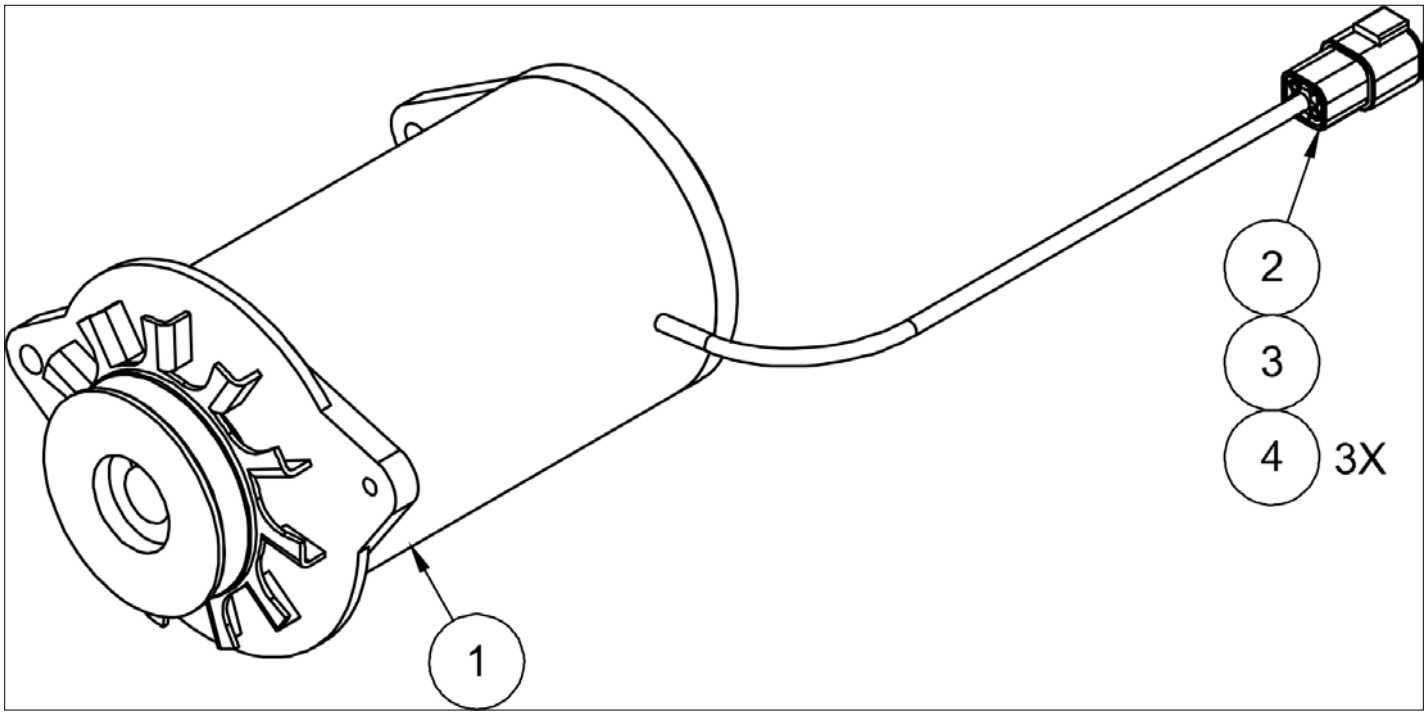
アイテム	部品番号	名前	数量	UOM
21	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	1	EA
22	5563421	.4375-14UNC HEX LOCK NUT	1	EA
23	056066-005	Nut NylockNut DIN985 M5 8.0 Zi	1	EA
24	056066-006	Nut NylockNut DIN985 M6 8.0 Zi	1	EA
25	056066-010	Nut, NylockNut DIN985 M10 8.0ZincPlated	1	EA

OPTIONS


CONNECT HARNESS B+ RING TO BUS BAR
VIEW S
S
CONNECT PLUG TO GENERATOR PIGTAIL
ZIP-TIE FUSE AND RELAY
CONNECT TO LOWER CONTROL BOX J13
CONNECT POWER TO PLATFORM CABLE
INSTALL HARNESS INSIDE UPPER CONTROL BOX
CONNECT TO TOGGLE SWITCH B+ AND P14-13 AS LABELED

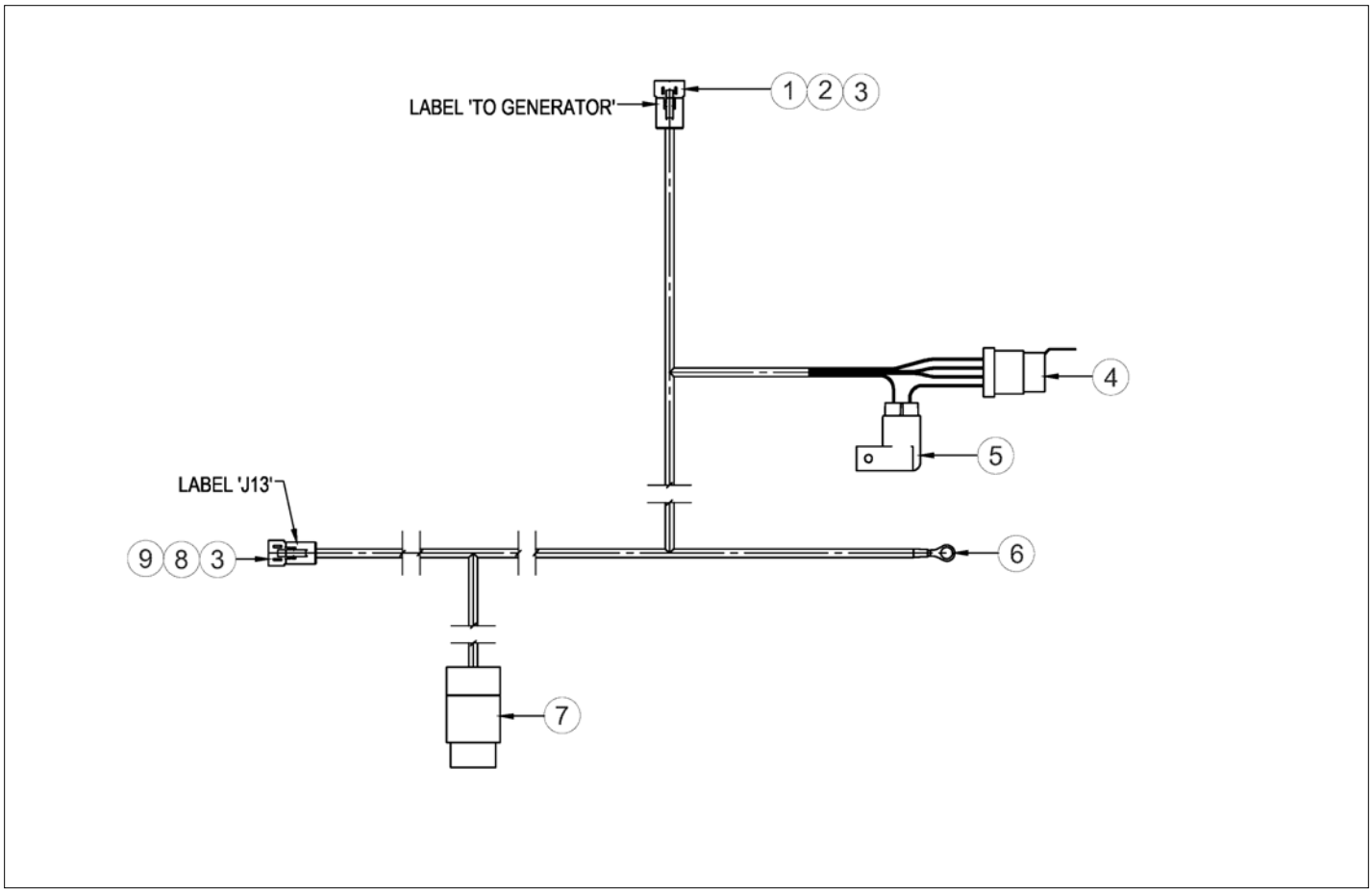
アイテム	部品番号	名前	数量	UOM
-	1433220 C	2.5K GENERATOR DEUTZ 2.9D 460SJ INSTALLATION 460SJ-11-200100016 AND AFTER		EA
1	1434386	HARNESS, 2.5KW GEN, 460/660	1	EA
2	1434413	MNT 2.5kW GENERATOR	1	EA
3	1434411	BRKT 2.5kW GENERATOR	1	EA
4	7210017	V-BELT, 1/2" WIDE X 33" LENGTH	1	EA
5	1434408	BRKT 2K GEN SUPPORT	1	EA
6	1434030	ASSY GENERATOR 2KW FABCO SINGLE V-BELT	1	EA
7	508247-010	Washer,PennyWasher, DIN9021,M1	2	EA
8	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	3	EA
9	508247-008	Washer, pennywasher, DIN9021, M8	2	EA
10	5563786	WASHER FLAT .438 NARROW PLTD	2	EA
11	986269	WSHR FLAT .313	1	EA
12	058493-025	HHCS M10 X 25MM GR10.9 DIN933	2	EA
13	510681-020	HHCS M8X1.25X20 G10.9 ISO 4014 DIN 933	5	EA
14	5563975	HHCS .4375-14 UNC, GR8, 9.00LG	1	EA
15	970369	BLT HEXHD .313-18 X 1.00 GR5	1	EA
16	5563421	.4375-14UNC HEX LOCK NUT	1	EA
17	3220313	HARNESS GENRTR TGL SW SPST	1	EA

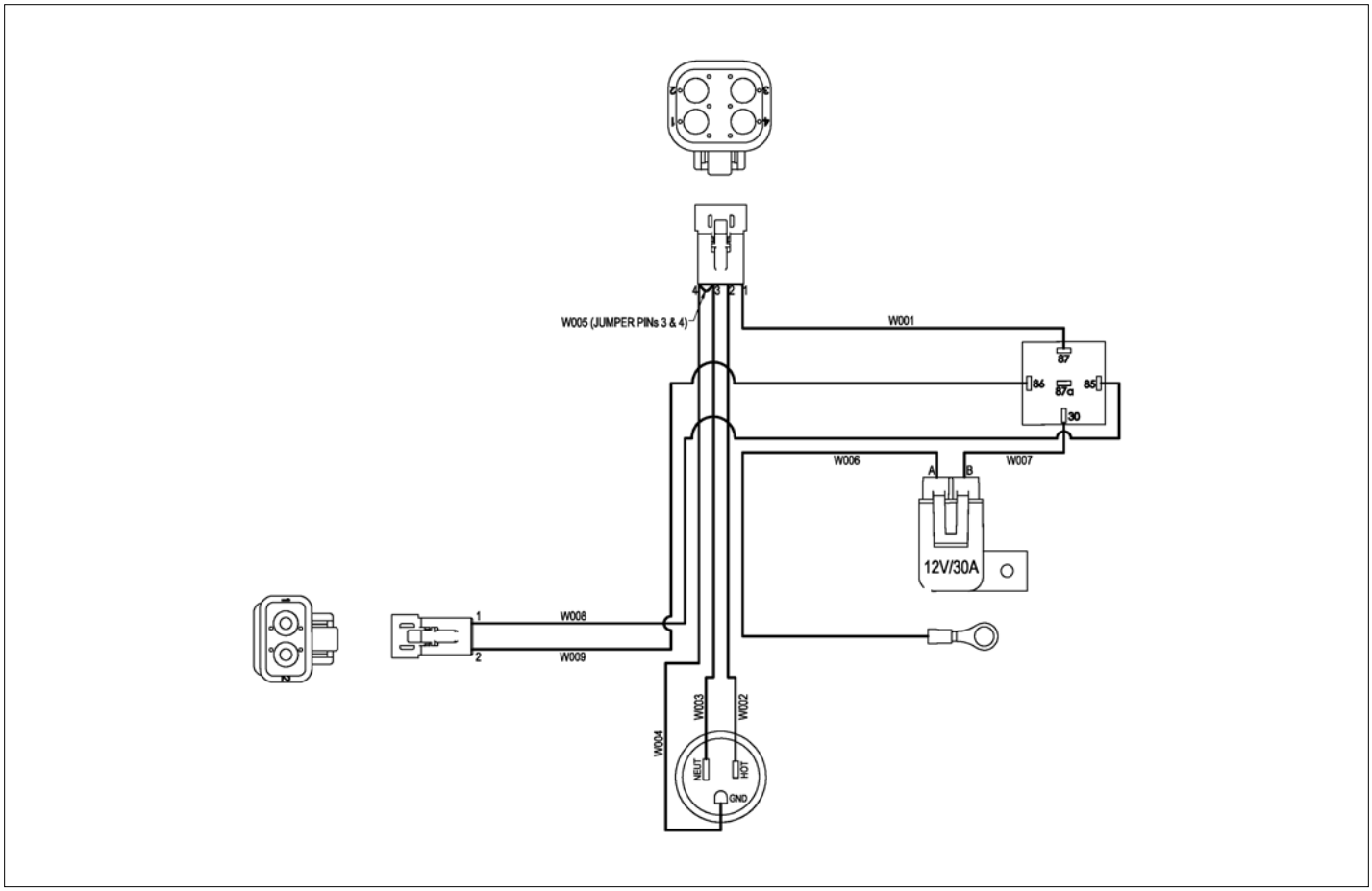
OPTIONS



アイテム	部品番号	名前	数量	UOM
-	1434030A	GENERATOR 2kW FABCO SINGLE V-BELT ASSEMBLY		EA
1	3087845	GENERATOR, 2.5KW, SINGLE "V"	1	EA
2	12554-008	CONNECTOR DEUTSCH DTP04-4P	1	EA
3	12554-018	WEDGELOCK FOR DTP04-4P	1	EA
4	12554-026	PIN SIZE-12 (12-14GA) DTP	3	EA

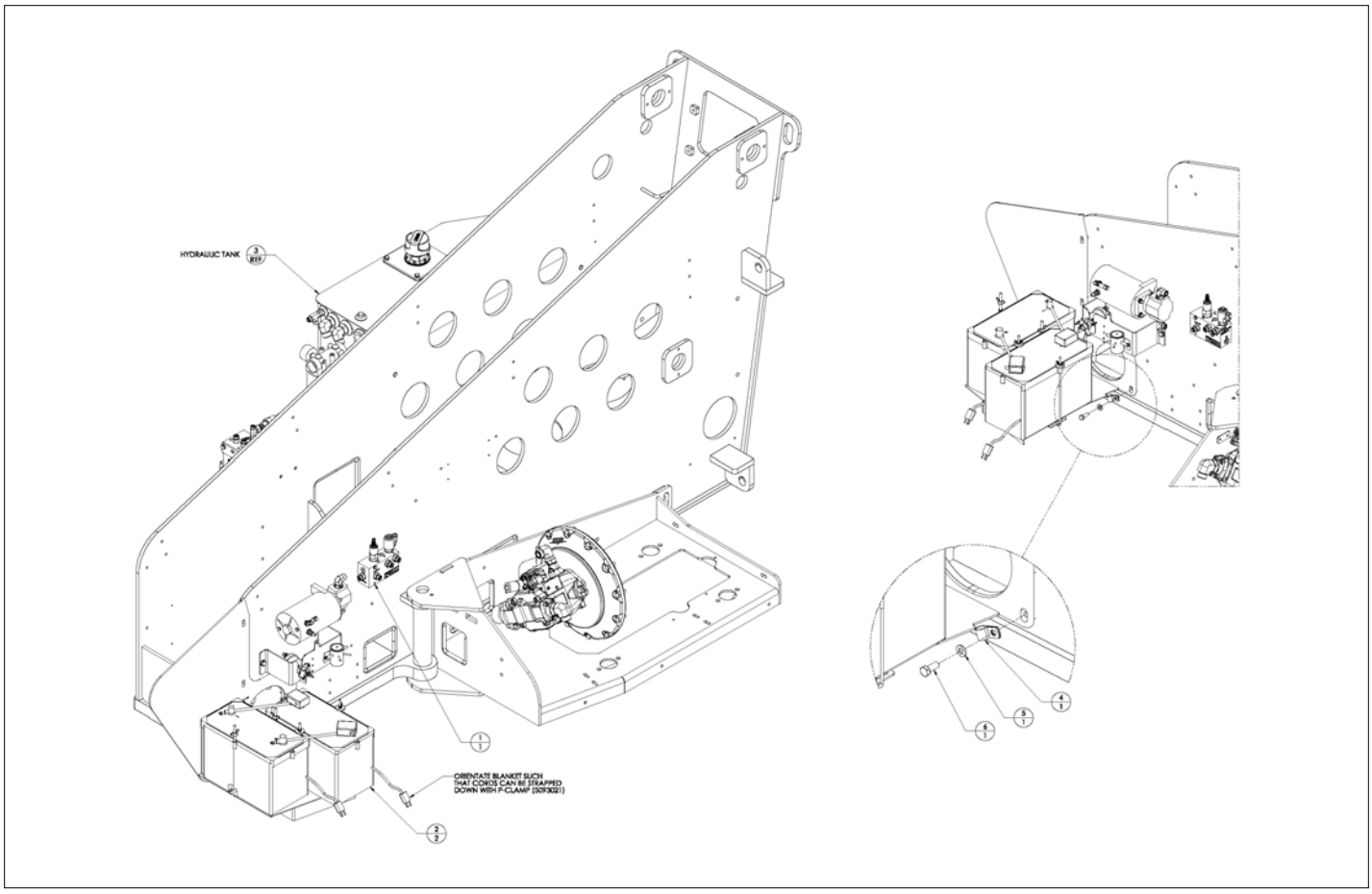
OPTIONS




W005 (JUMPER PINs 3 & 4)
W001
87
86
87a
85
30
W006
W007
A
B
12V/30A
W008
W009
1
2
W003
W002
W004
NEUT
HOT
GND

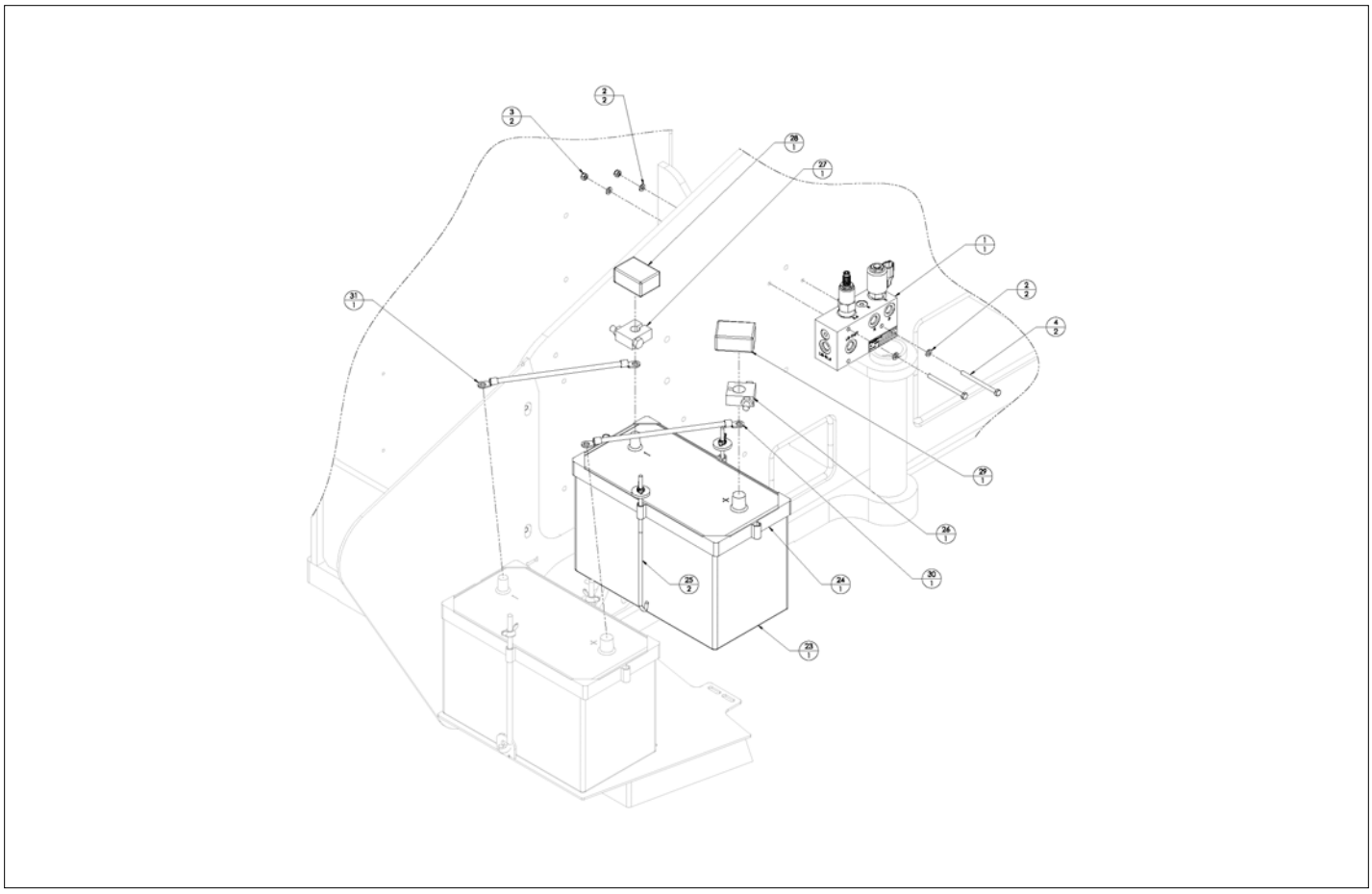
アイテム	部品番号	名前	数量	UOM
-	1434023A	HARNESS 2.5kW GENERATOR 460		EA
1	12555-011	DEUTSCH, 4-PIN, MALE PLUG	1	EA
2	12555-018	DEUTSCH, 4-PIN WEDGELOCK	1	EA
3	12555-026	DEUTSCH, SOCKET, #12	4	EA
4	3028885	RELAY 12V 20/40A	1	EA
5	3220288	FUSE HOLDER, DELPHI	1	EA
6	3220375	RING TONGUE 16-14 INSUL #10 ST	1	EA
7	3220311	EXT CRD SOCKET, NEMA 5-15 3 SKT STR BLADE	1	EA
8	12555-009	CONNECTOR, DEUTCH	1	EA
9	12555-016	WEDGELOCK FOR DTPO6-2S	1	EA

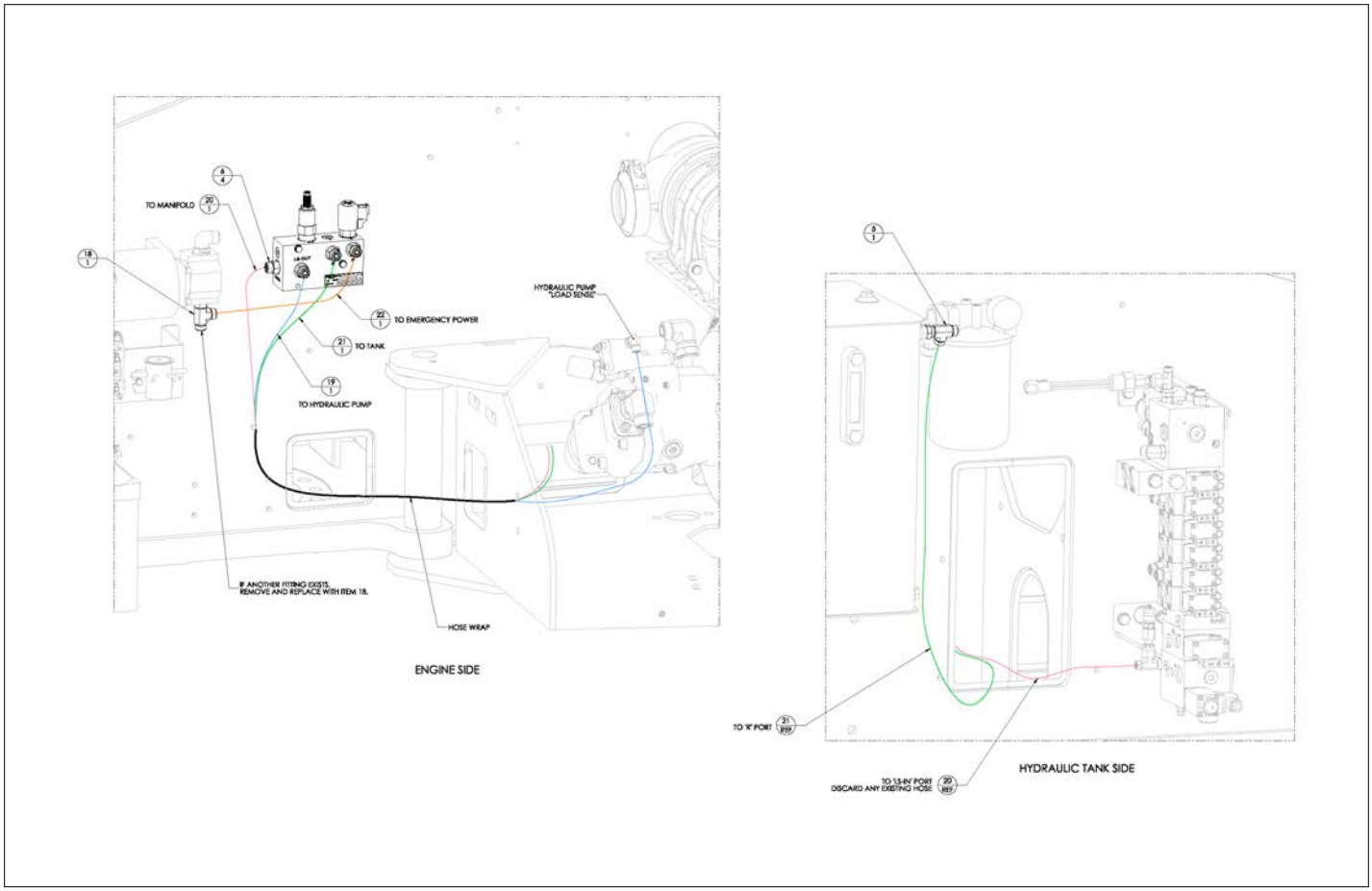
OPTIONS

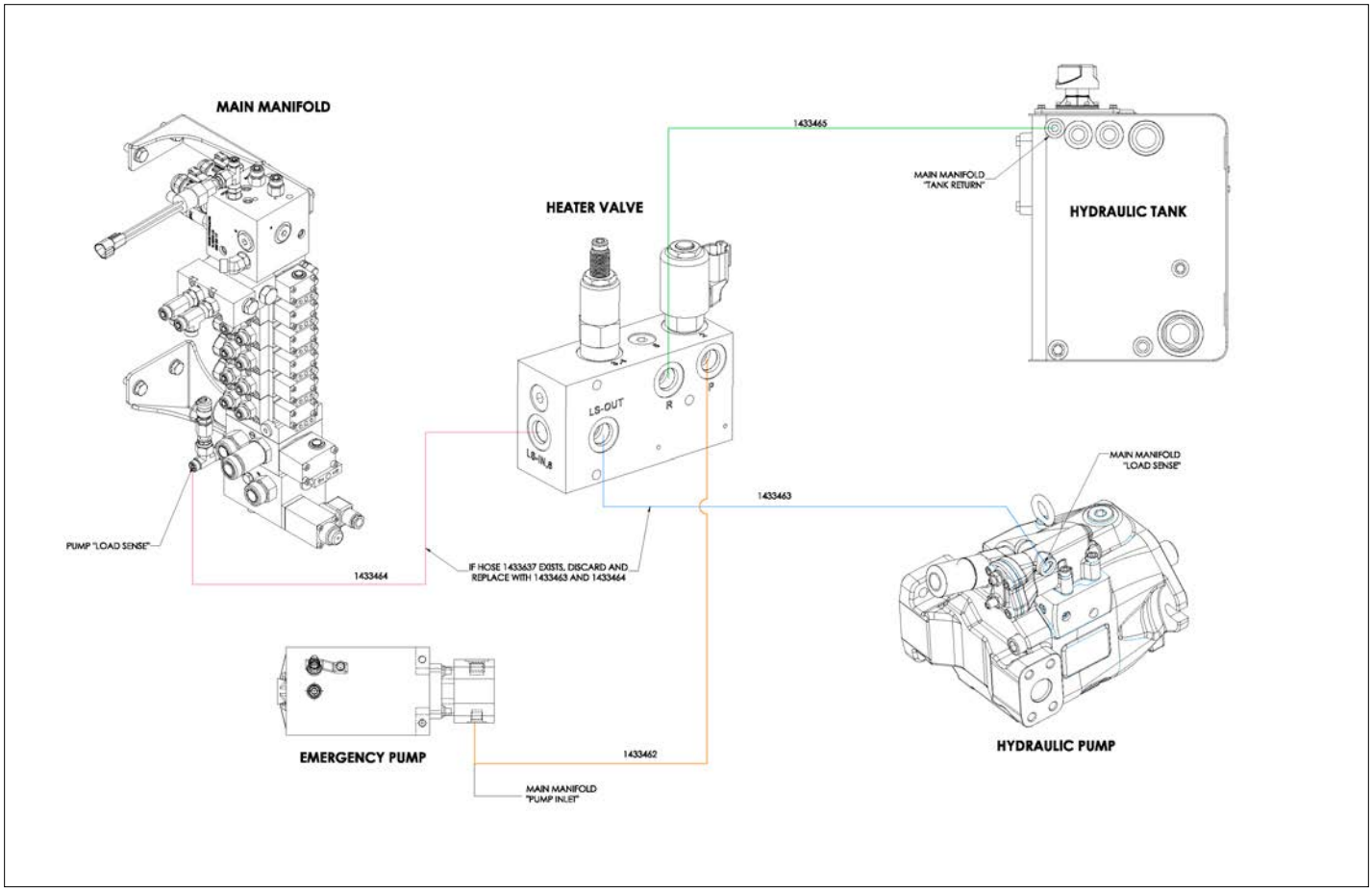

HYDRAULIC TANK
ORIENTATE BLANKET SUCH THAT CORDS CAN BE STRAPPED DOWN WITH P-CLAMP (5079021)

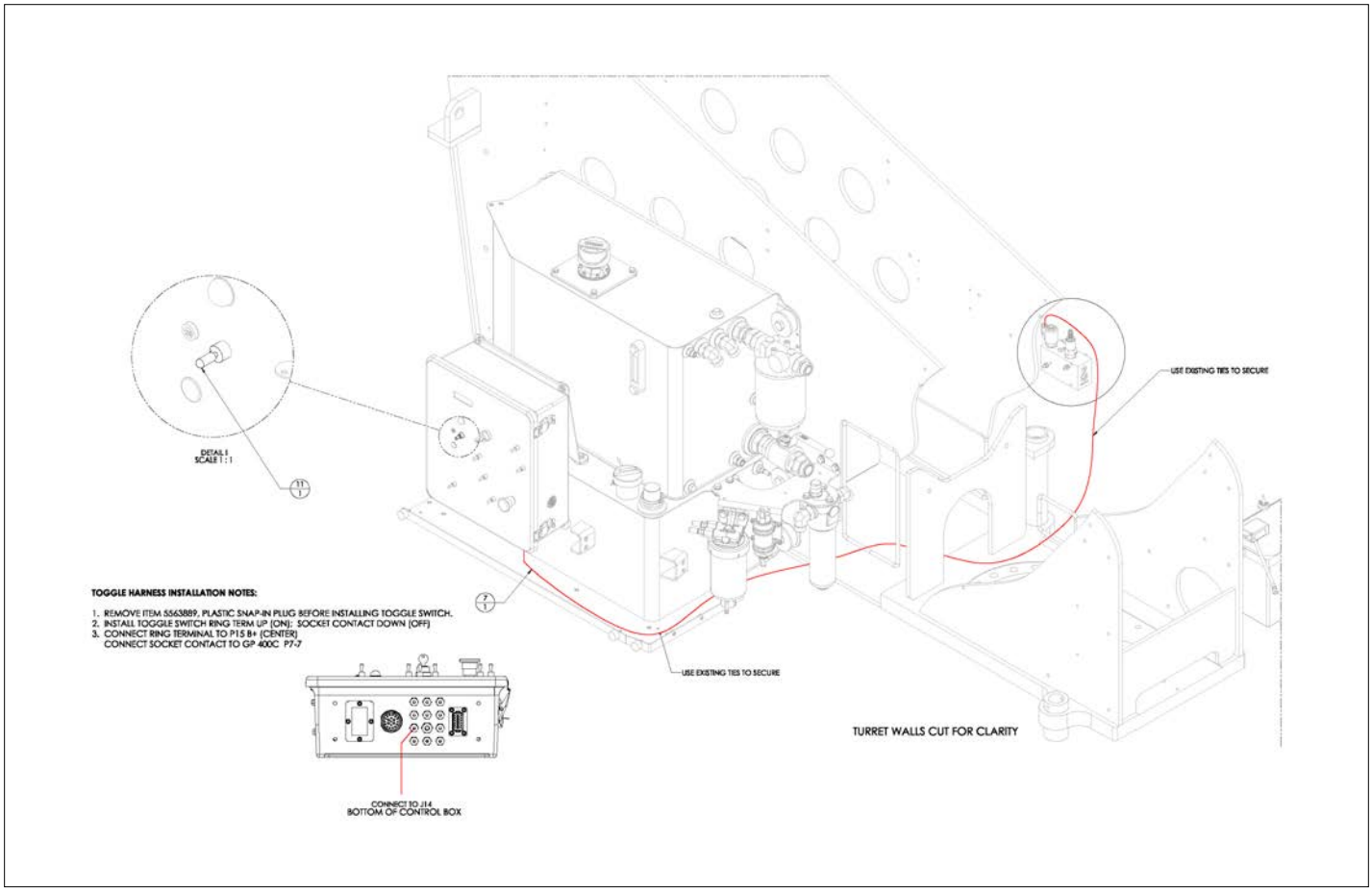
アイテム	部品番号	名前	数量	UOM
-	1433300 B	EXTREME COLD WEATHER PACKAGE INSTALLATION 400S 460SJ JANUARY 2020 AND AFTER		EA
1	1433299	INSTALL, COLD-WTHR PKG 400/460	1	EA
2	3050102	BATTERY BLANKET WARMER	2	EA
3	0190086	SYNTHETIC HYDR OIL F/COLD WTHR (PART NOT SHOWN)	30	EA
4	5093021	CLP CUSH .625 VINYL COATED	1	EA
5	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	1	EA
6	058493-025	HHCS M10 X 25MM GR10.9 DIN933	1	EA

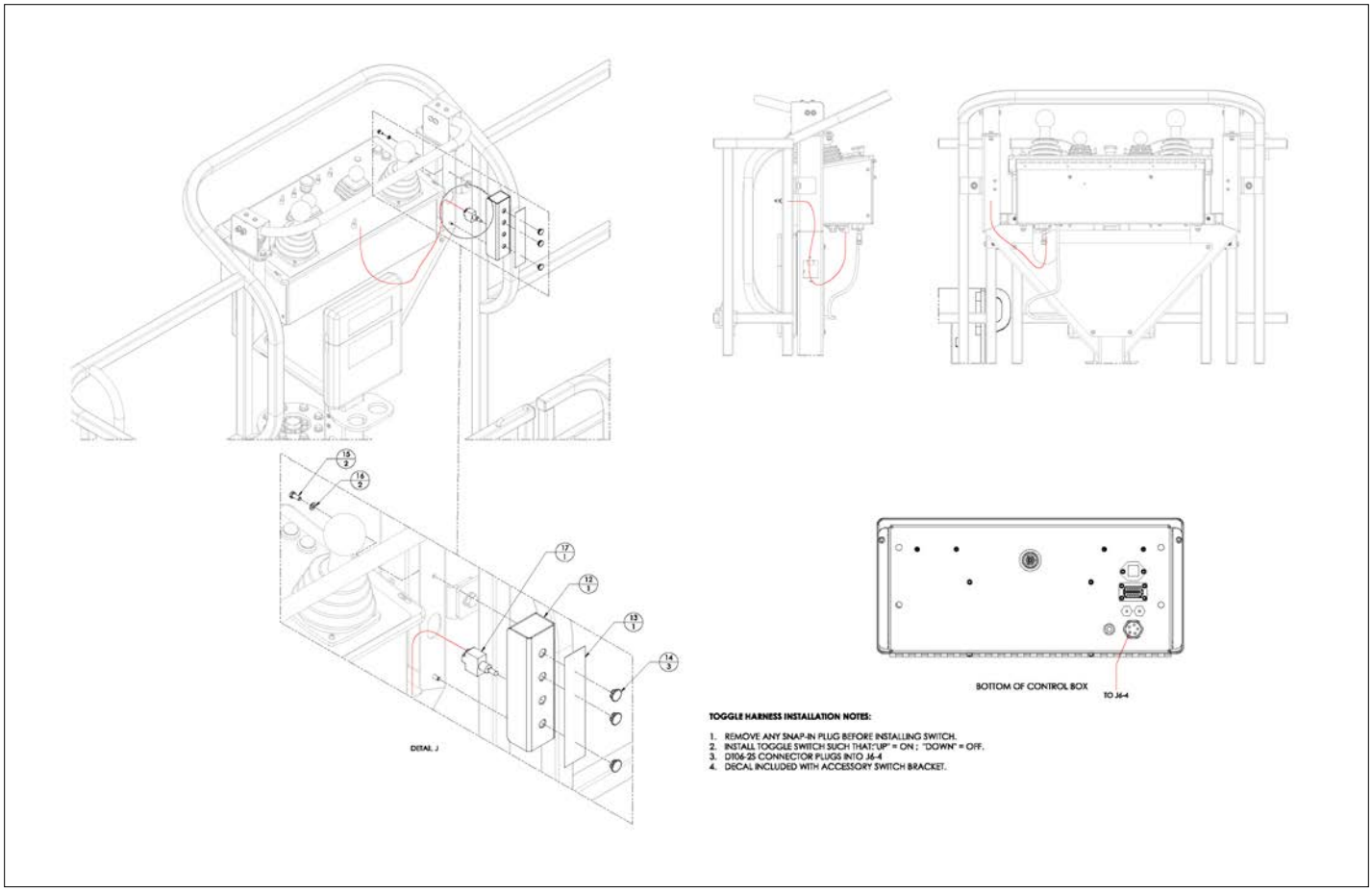
OPTIONS

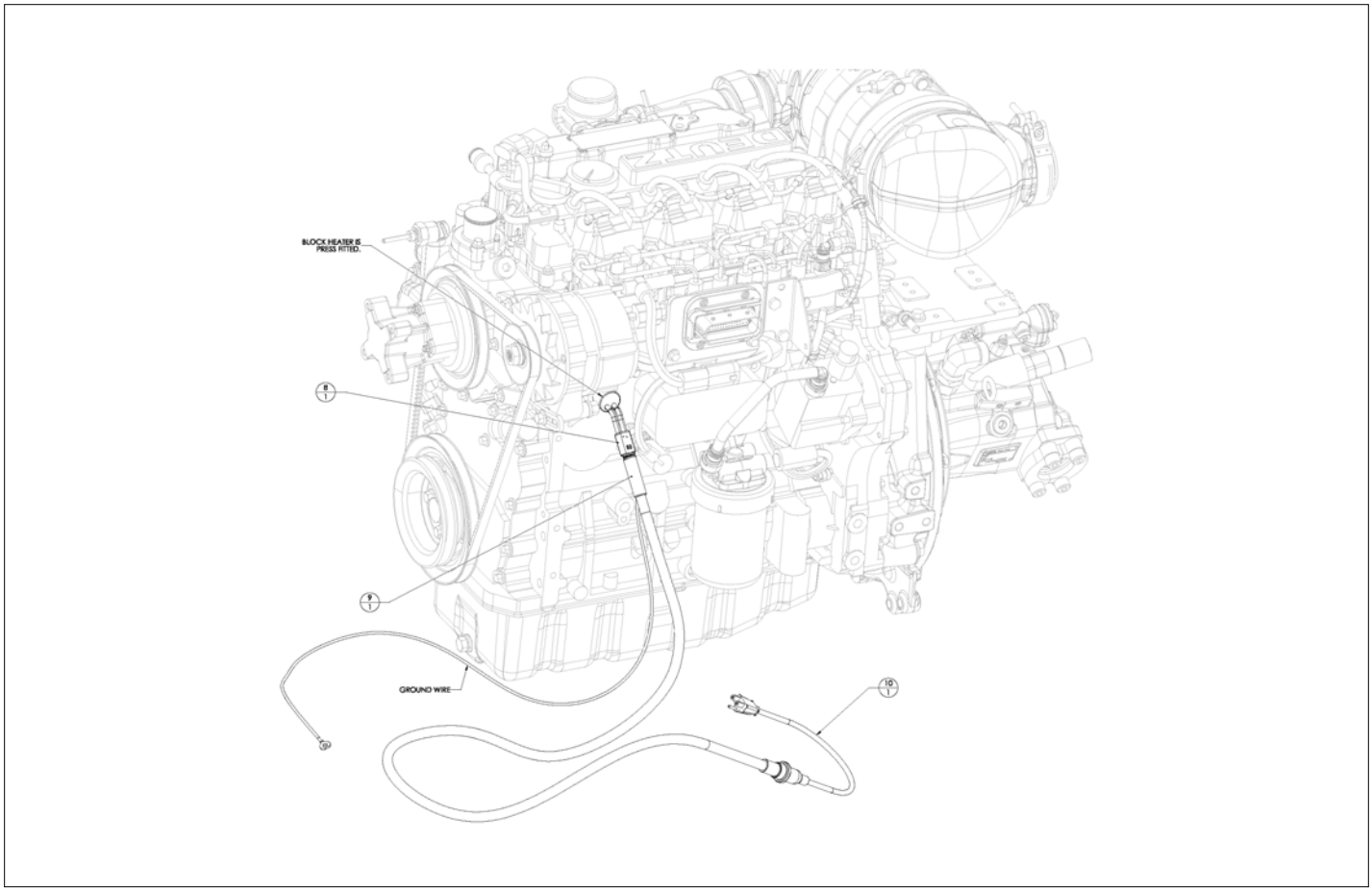



TO MANIFOLD
HYDRAULIC PUMP "LOAD SENSE"
TO EMERGENCY POWER
TO TANK
TO HYDRAULIC PUMP
IF ANOTHER FITTING EXISTS, REMOVE AND REPLACE WITH ITEM 18.
HOSE WRAP
ENGINE SIDE
TO 'A' PORT
TO 1/3-IN' PORT
DISCARD ANY EXISTING HOSE
HYDRAULIC TANK SIDE


MAIN MANIFOLD
HEATER VALVE
HYDRAULIC TANK
1433465
MAIN MANIFOLD "TANK RETURN"
LS-OUT
R
P
LS-IN
PUMP "LOAD SENSE"
1433464
IF HOSE 1433637 EXISTS, DISCARD AND REPLACE WITH 1433463 AND 1433464
1433463
MAIN MANIFOLD "LOAD SENSE"
HYDRAULIC PUMP
EMERGENCY PUMP
1433462
MAIN MANIFOLD "PUMP INLET"


DETAIL I
SCALE 1 : 1
USE EXISTING TIES TO SECURE
USE EXISTING TIES TO SECURE
TOGGLE HARNESS INSTALLATION NOTES:
1. REMOVE ITEM 5563889, PLASTIC SNAP-IN PLUG BEFORE INSTALLING TOGGLE SWITCH.
2. INSTALL TOGGLE SWITCH RING TERM UP (ON); SOCKET CONTACT DOWN (OFF)
3. CONNECT RING TERMINAL TO P15 B+ (CENTER)
CONNECT SOCKET CONTACT TO GP 400C P7-7
CONNECT TO J14
BOTTOM OF CONTROL BOX
TURRET WALLS CUT FOR CLARITY

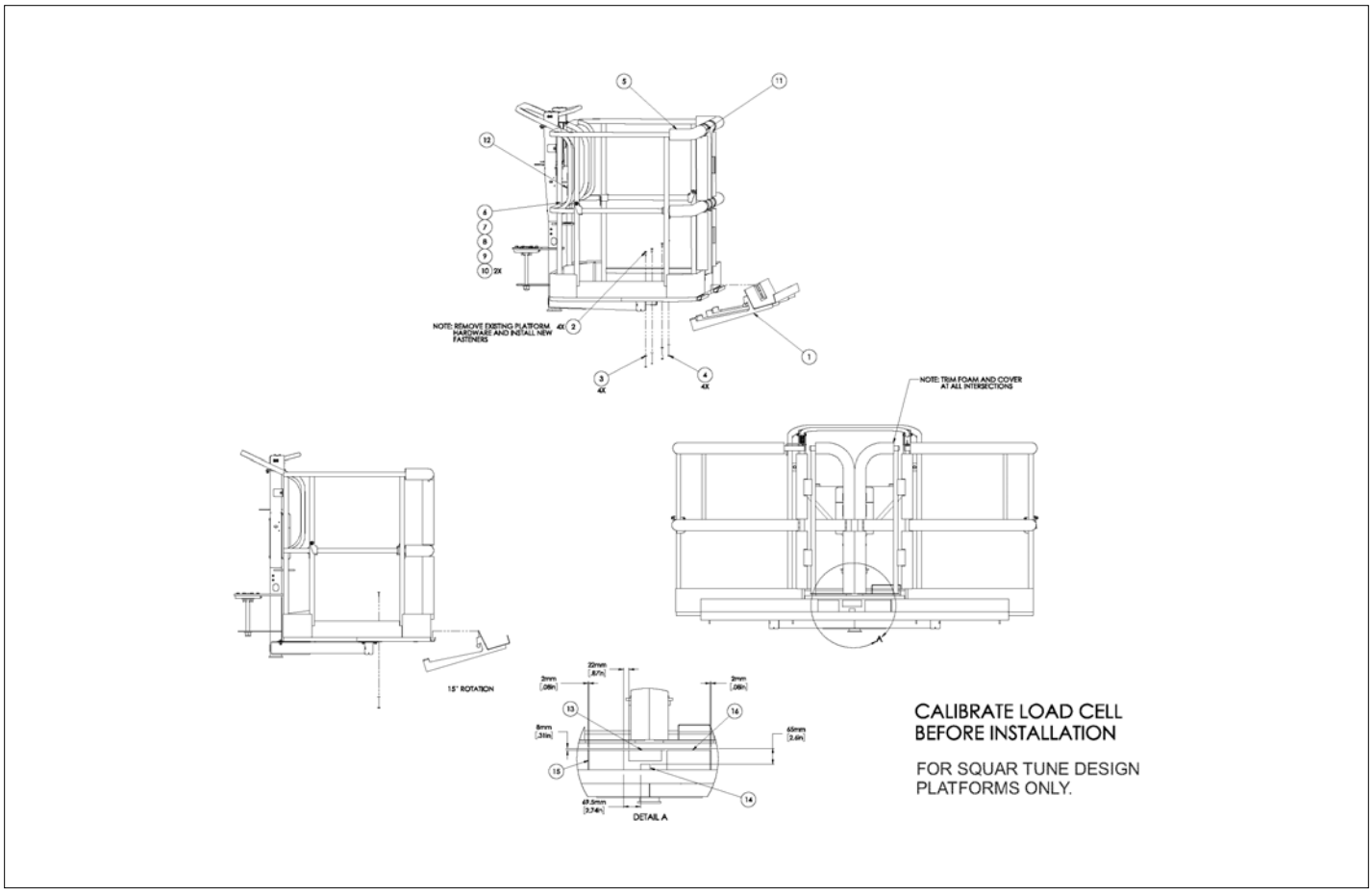

DETAIL J
BOTTOM OF CONTROL BOX
TO J6-4
TOGGLE HARNESS INSTALLATION NOTES:
1. REMOVE ANY SNAP-IN PLUG BEFORE INSTALLING SWITCH.
2. INSTALL TOGGLE SWITCH SUCH THAT:"UP" = ON ; "DOWN" = OFF.
3. DT06-2S CONNECTOR PLUGS INTO J6-4
4. DECAL INCLUDED WITH ACCESSORY SWITCH BRACKET.


BLOCK HEATER IS PRESS FITTED
8
1
9
1
GROUND WIRE
10
1

アイテム	部品番号	名前	数量	UOM
*	1433299 A	COLD WEATHER PACKAGE INSTALLATION 400S 460SJ		EA
1	1432700	HEATER VALVE	1	EA
2	056069-006	WSHR STEELFLATWSHE M6 DIN125A	4	EA
3	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	2	EA
4	5563961	-HHCS M6-1 X 80 G10.9 ISO 4014	2	EA
5	511356-000	FTG 6FORF 6MORF X 6MORF RUN TEE	1	EA
6	100432-009	Hyd Fitting Straight ORFS(06) - SAE(06)	4	EA
7	1433760	HARNESS, HYD HEATER VALVE TO L	1	EA
8	7631209	COOLANT HEATER - 2.9L4 DEUTZ	1	EA
9	7631210	INLET CABLE, 120V	1	EA
10	7631211	POWER SUPPLY CABLE, 120V	1	EA
11	3220313	HARNESS GENRTR TGL SW SPST	1	EA
12	1432940	WELDMENT AUX OPTION ENCLOSURE	1	EA
13	1432939	DECAL 660 AUX OPTIONS	1	EA
14	5563889	PLUG PLASTIC SNAP-IN ID.50"BLK	3	EA
15	5569987	BLT HEXHD M5-80 12MM	2	EA
16	056069-005	Washer SteelFlatWasher DIN125A	2	EA
17	3220352	HARNESS CW UPPER TOGGLE	1	EA
18	5033095	TEE RUN, 6MORB X 6MORFS X MMORFS	1	EA
19	1433463	HYD HOSE, 471TC-6, 3000PSI 6FO	1	EA
20	1433464	HYD HOSE, 471TC-6, 3000PSI 6FO	1	EA

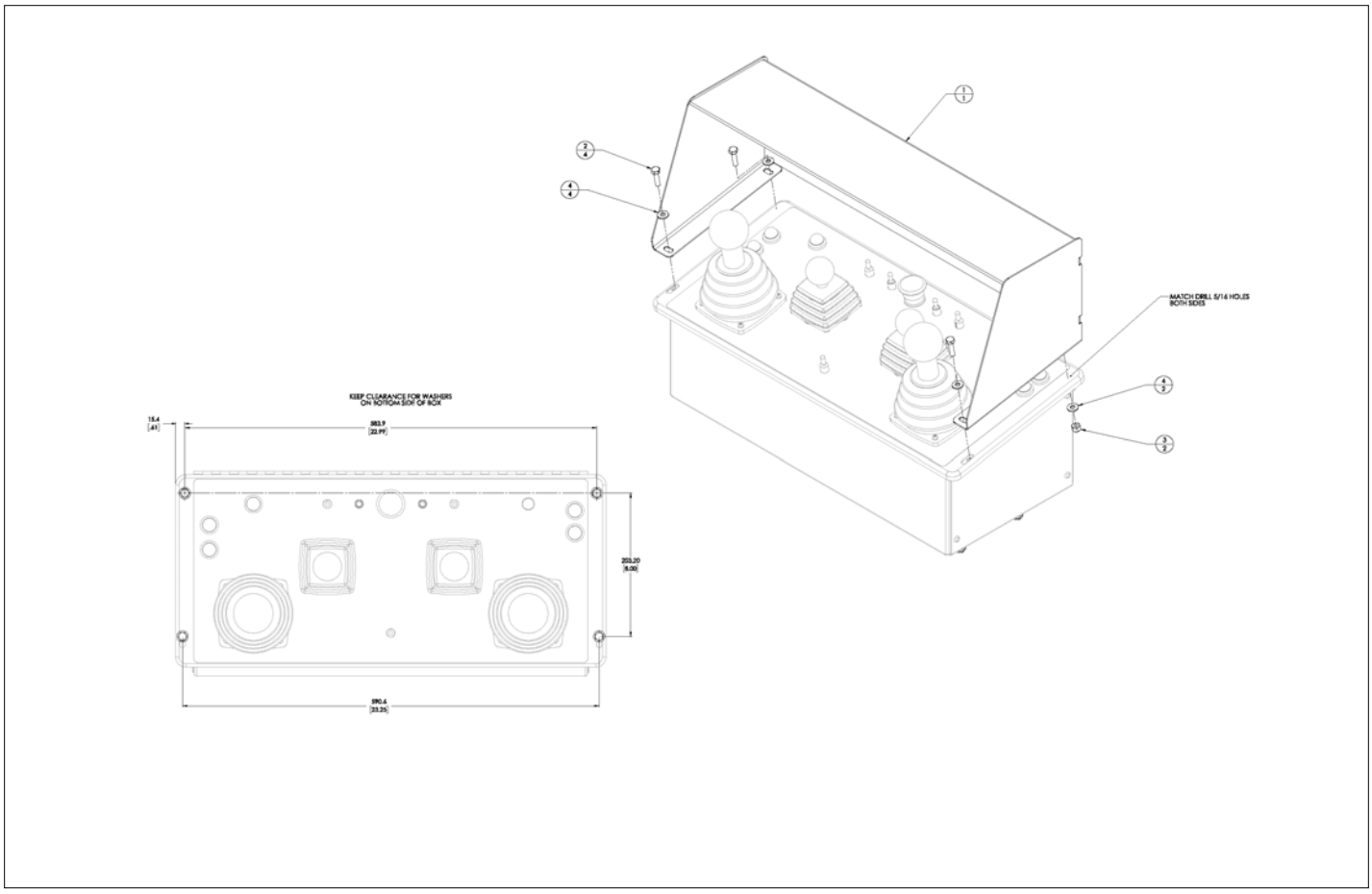
アイテム	部品番号	名前	数量	UOM
21	1433465	HYD HOSE, 471TC-6, 3000PSI 6FO	1	EA
22	1433462	HYD HOSE, 471TC-6, 3000PSI, 6F	1	EA
23	14450-000	BATTERY 12VDC GRP31	1	EA
24	14452-000	BATTERY HOLD-DOWN	1	EA
25	14451-000	BATTERY J-BOLT	2	EA
26	14475-001	CLAMP BATT POST POS 23399-4	1	EA
27	14475-002	CLAMP BATT POST NEG 23399-3	1	EA
28	09-0706-B	RUBBER BOOT (BLACK)	1	EA
29	09-0706-R	RUBBER BOOT (RED)	1	EA
30	3014802	WIRE 2/0 R375 R375 9 RED	1	EA
31	3014803	WIRE 2/0 R375 R375 9 BLK	1	EA

OPTIONS


NOTE: REMOVE EXISTING PLATFORM HARDWARE AND INSTALL NEW FASTENERS
NOTE: TRIM FOAM AND COVER AT ALL INTERSECTIONS
15° ROTATION
DETAIL A
CALIBRATE LOAD CELL
BEFORE INSTALLATION
FOR SQUAR TUNE DESIGN
PLATFORMS ONLY.

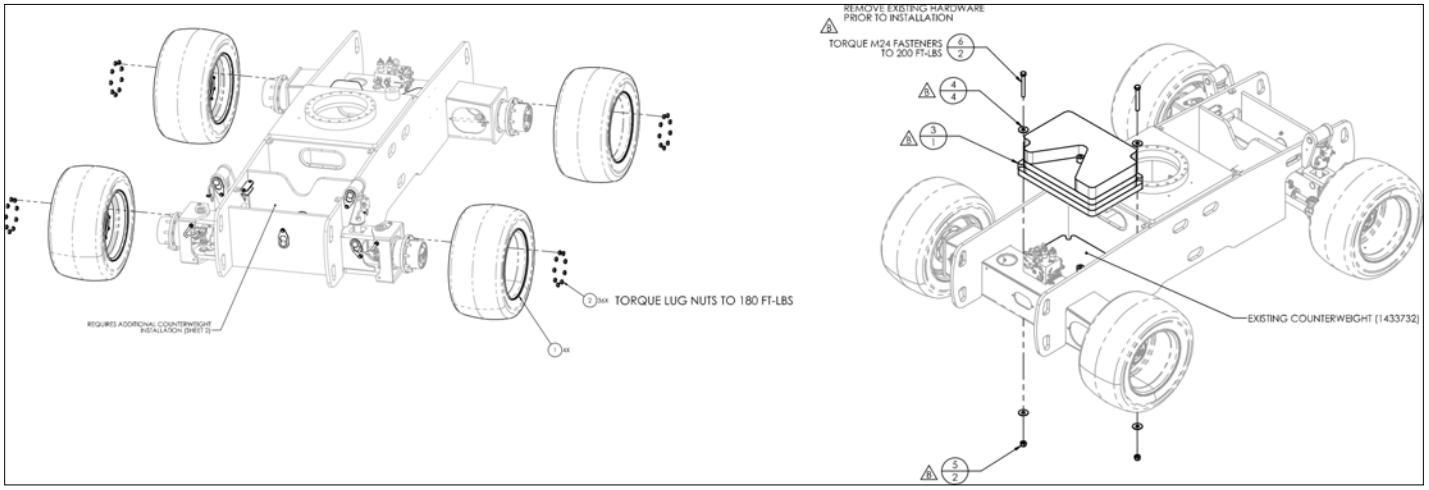
アイテム	部品番号	名前	数量	UOM
-	1434086 B	GLAZIER PACKAGE INSTALLATION		EA
1	1434085	WELDMENT, GLAZIER RACK	1	EA
2	5563996	BLT CRG M6-1.0X25 LG GR8.8 ZIN	4	EA
3	508247-006	WASHER OVERSIZED M6 X 18MM DIN9021 ZP	4	EA
4	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	4	EA
5	9980003	PIPE INSUL CLOSED CELL AP ARMA	350	EA
6	0421269	GLAZIER PACKAGE OPERATORS MANUAL	1	EA
7	0421299	GLAZIER CAM STRAP – TIE-DOWN STRAP	1	EA
9	7050004	RECORD POUCH, 12 X 15 RECLOSABLE BAG	1	EA
10	9960007	ASSIST STRAP 18 IN LONG	2	EA
11	9980008	COV STR 18OZ COVERLITE YELLOW-	2	EA
12	0421285	DECAL, GLAZIER PACKAGE BOX	1	EA
13	0421077	DECAL GLAZIER TIP HAZARD	1	EA
14	0421079	PLACARD NO STEP	1	EA
15	0421078	DECAL GLAZIER FALL OBJECT HAZARD	1	EA
16	1434136	DECAL, LOAD CAP, GLAZIER OPTIO	1	EA
Not Shown	-	Base Assembly		EA

OPTIONS


KEEP CLEARANCE FOR WASHERS ON BOTTOM SIDE OF BOX
MATCH DRILL 5/16 HOLES BOTH SIDES

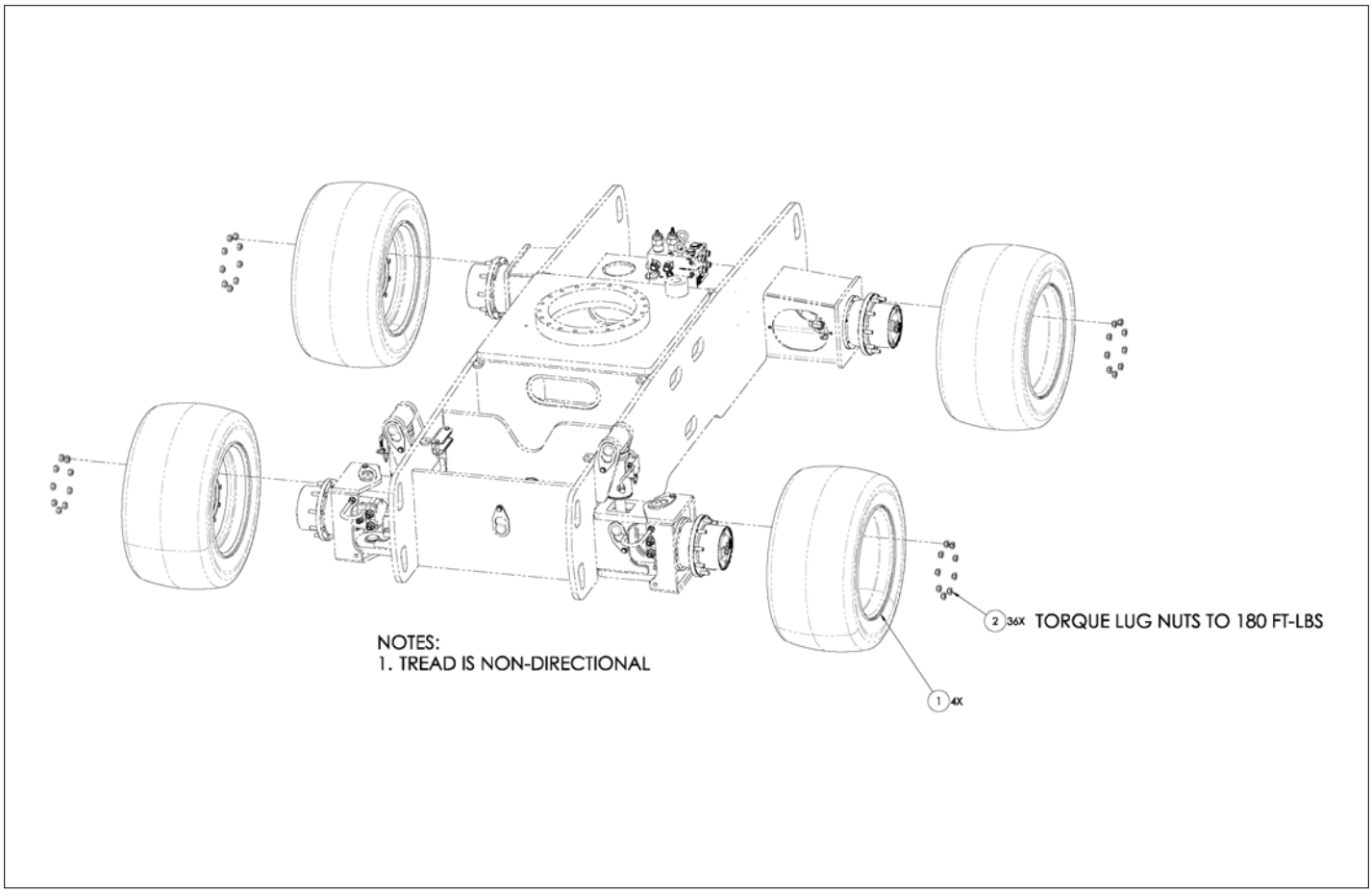
アイテム	部品番号	名前	数量	UOM
*	1434220 A	UPPER CONTROL BOX COVER INSTALLATION		EA
1	1434207-5	WELDMENT, COVER UPPER CTRL BOX	1	EA
2	10000-008	SCREW 1/4-20UNC HHC X 1	4	EA
3	10908-004	NUT 1/4-20UNC HEX LOCK REG	2	EA
4	5564000	WASHER, FLT, .25 NARROW PLTD	6	EA
5	*	TIRE AND WHEEL ASSEMBLY GNM OTR	REF	EA

OPTIONS


REMOVE EXISTING HARDWARE PRIOR TO INSTALLATION
TORQUE M24 FASTENERS TO 200 FT-LBS
TORQUE LUG NUTS TO 180 FT-LBS
EXISTING COUNTERWEIGHT (1433732)

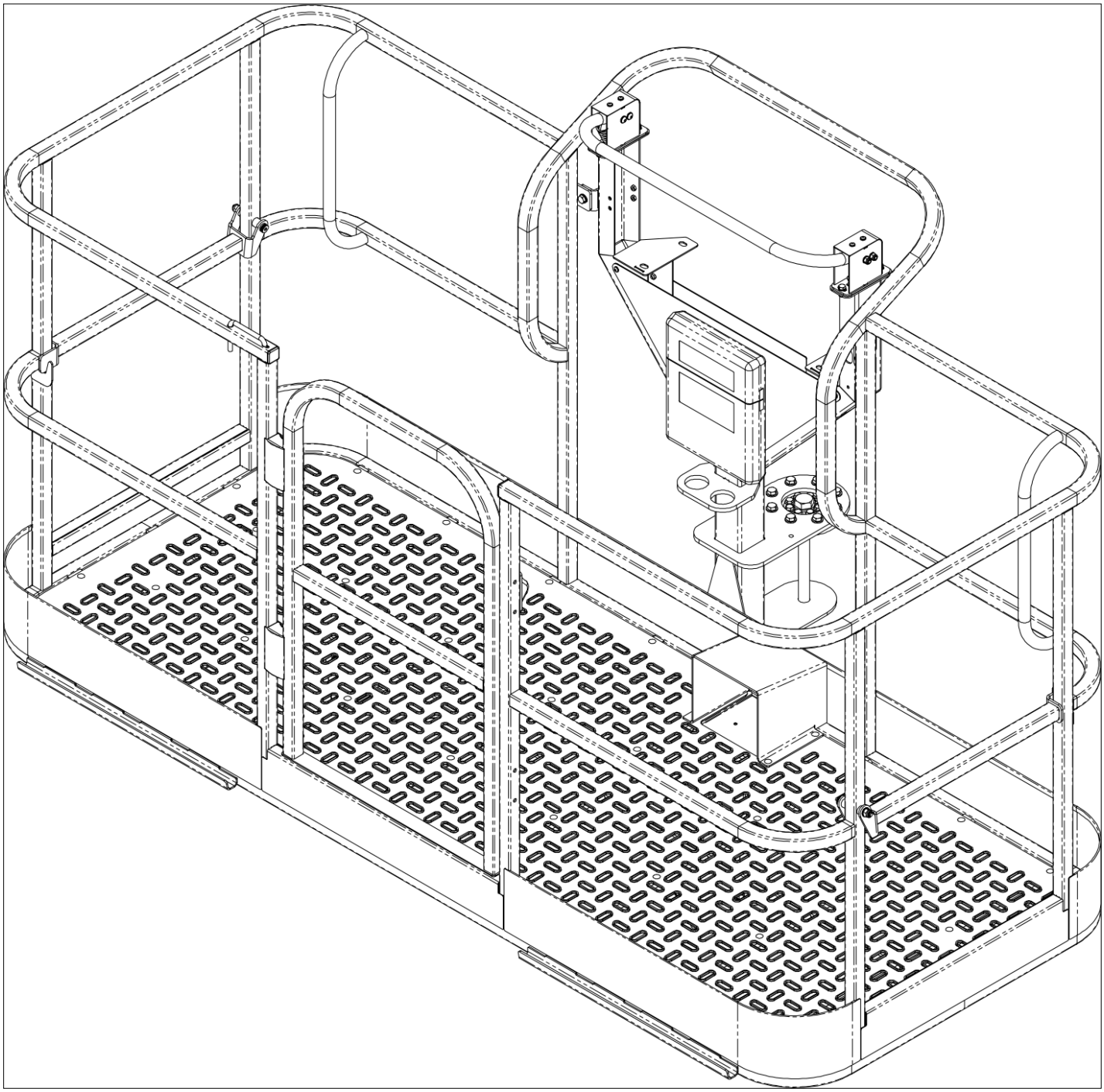
アイテム	部品番号	名前	数量	UOM
-	1464229 B	FLOTTATION TIRES AND WHEELS INSTALLATION 400S 460SJ AUGUST 2019 AND AFTER		EA
1	7280145-1	FLOTATION TIRE AND WHEEL 33/16		EA
2	5563848	LUG NUT–5/8X18 RH, 1.06 FLAT		EA
3	1434273-8	WELDMENT, CHASSIS CWT, NON-FOA		EA
4	5563727	WASHER FENDER M24X72OD GR10.9		EA
5	056066-024	Nut, NylockNut DIN985 M24 8.0		EA
6	5563876	HHCS M24 X 3.00 X 190 GR10.9 DIN 931		EA

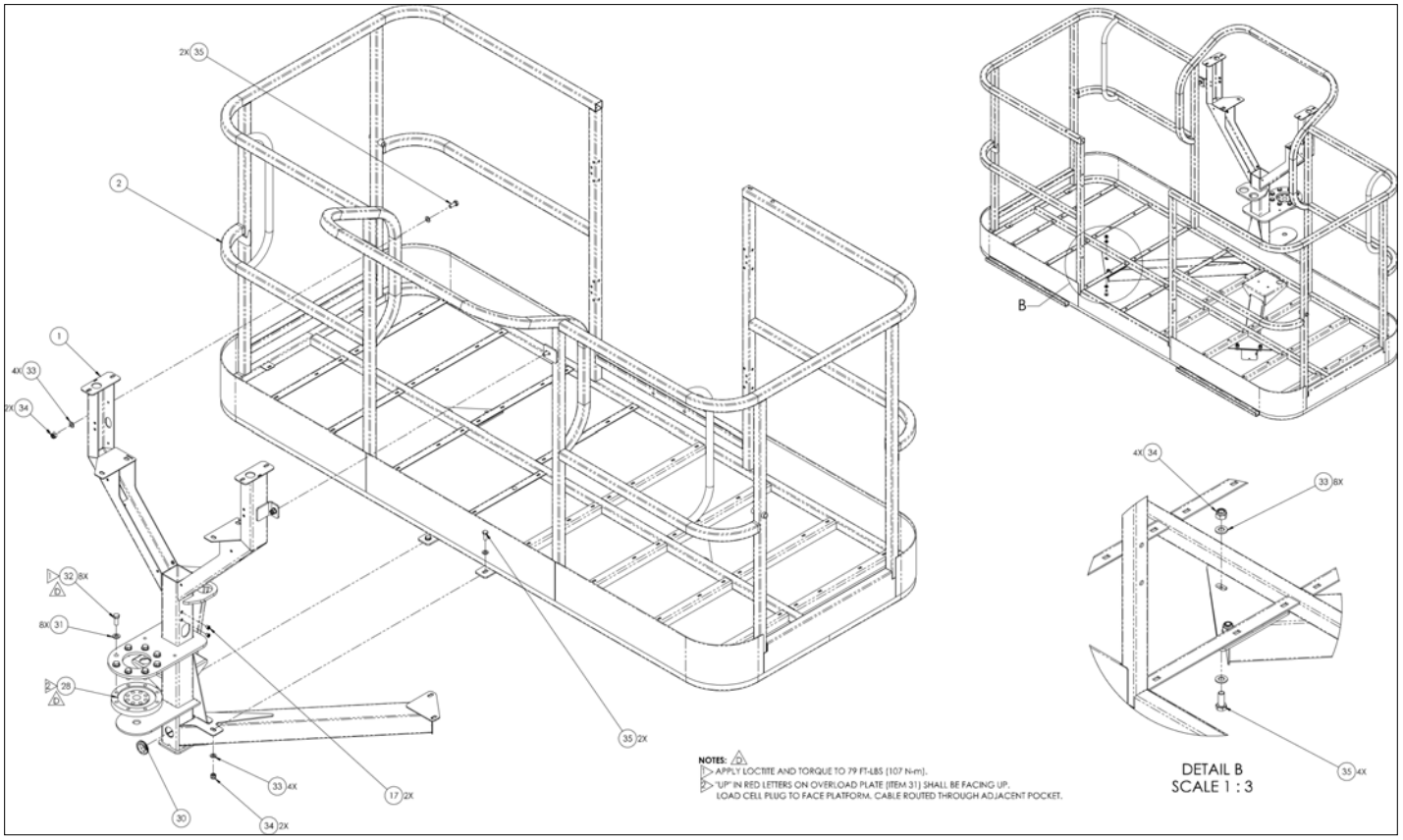
OPTIONS

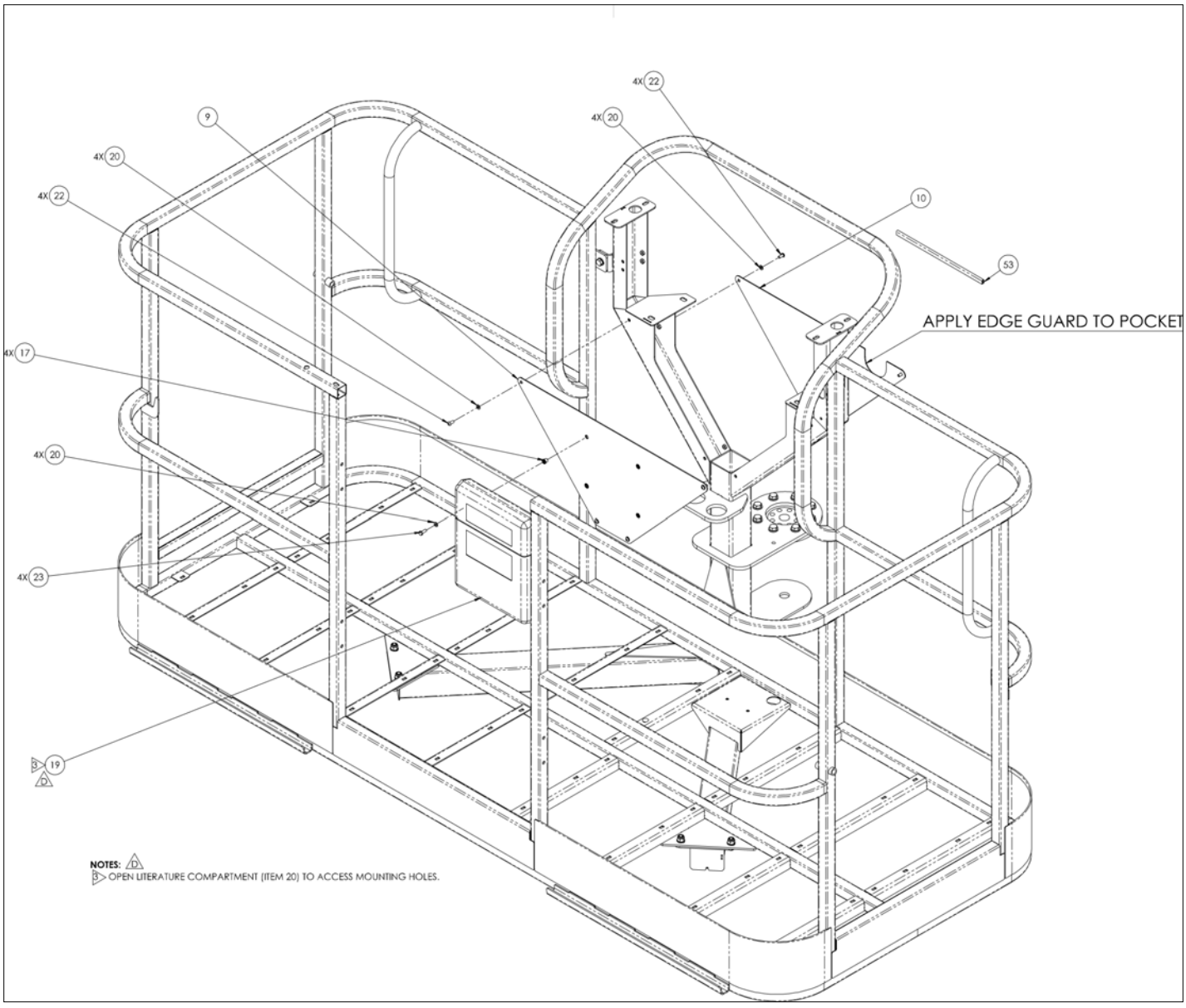

NOTES:
1. TREAD IS NON-DIRECTIONAL
2 36X TORQUE LUG NUTS TO 180 FT-LBS
1 4X

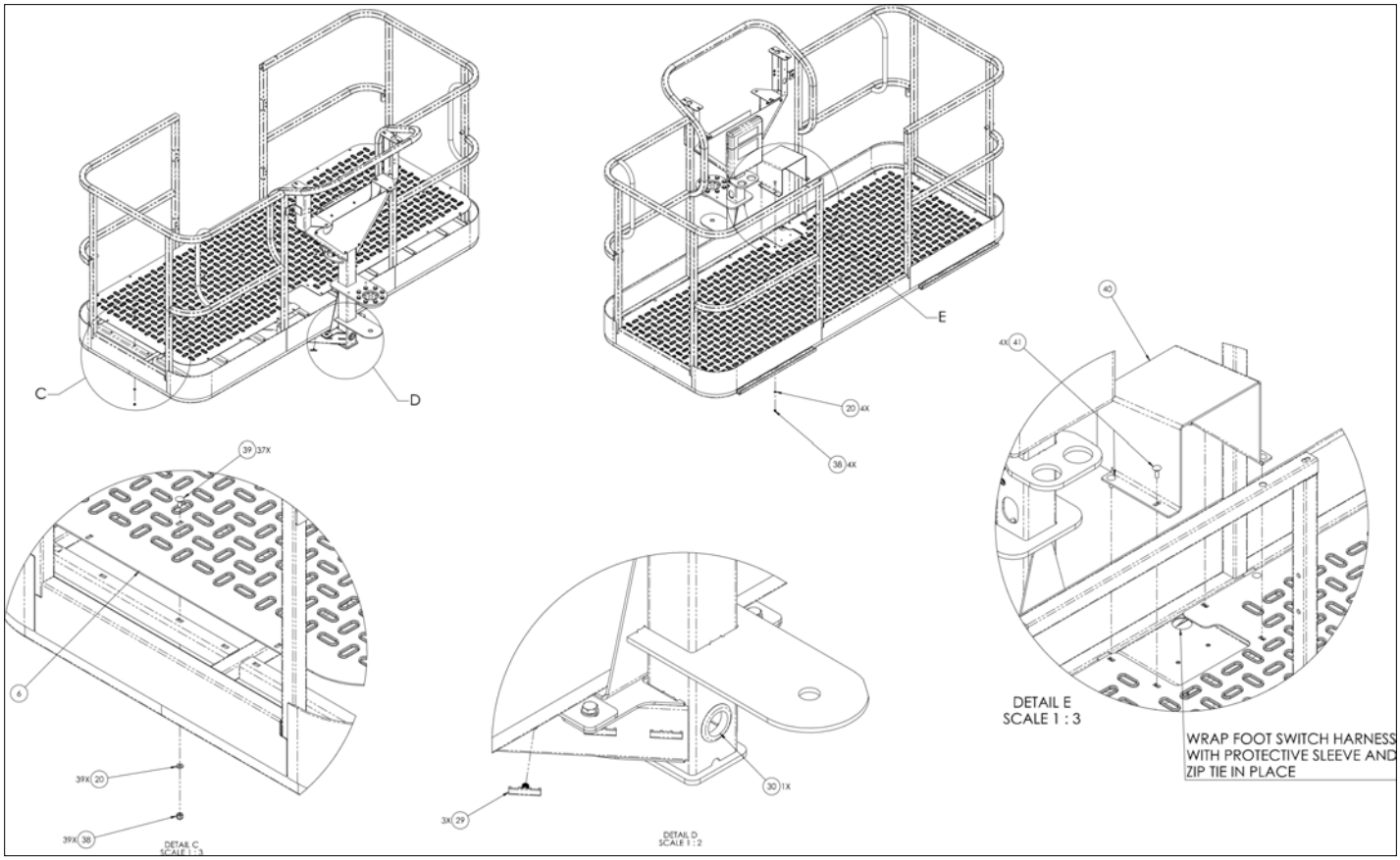
アイテム	部品番号	名前	数量	UOM
*	1434229 A	FLOATATION TIRE AND WHEEL INSTALLATION		EA
1	7280145-1	FLOTATION TIRE AND WHEEL 33/16	4	EA
2	5563848	LUG NUT-5/8X18 RH, 1.06 FLAT	36	EA

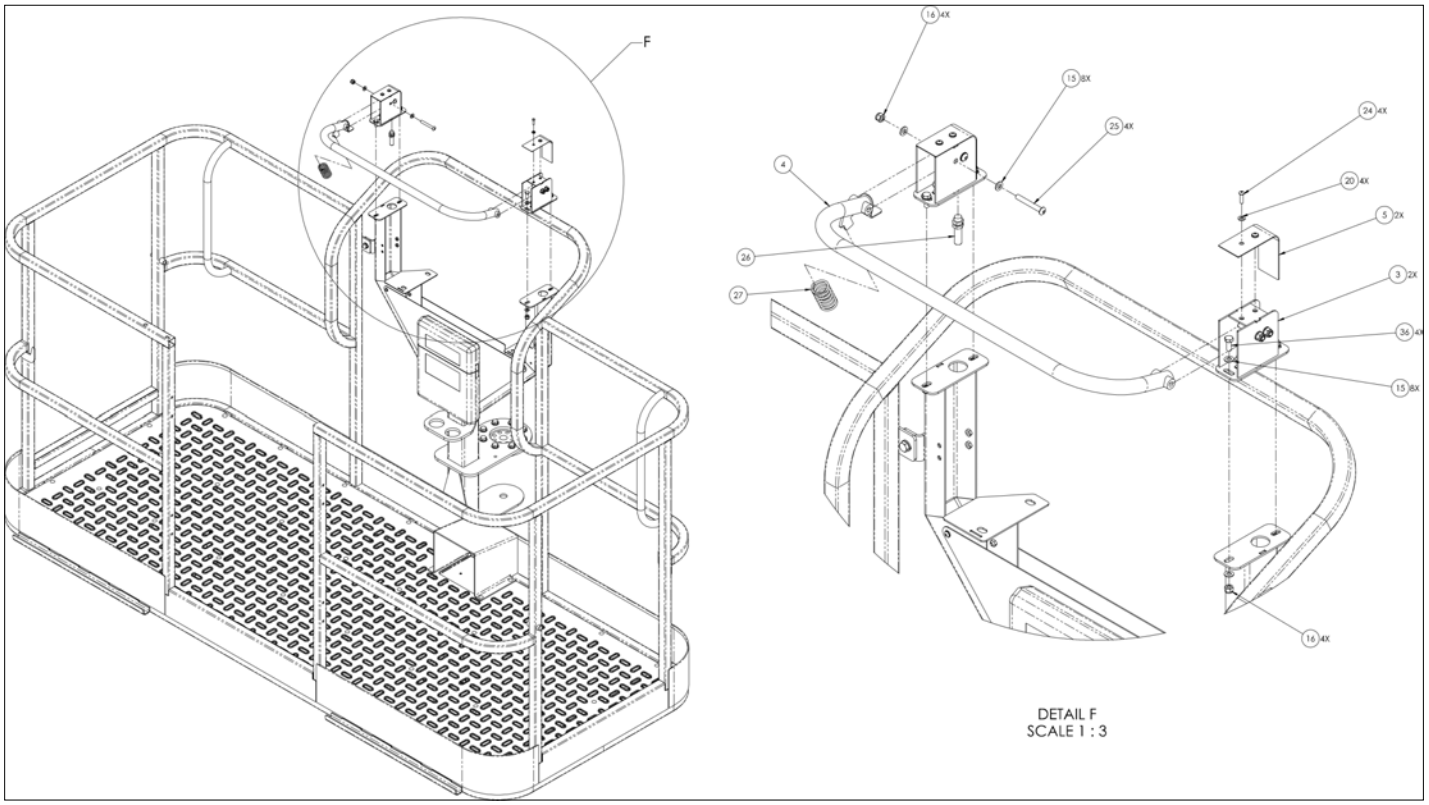
OPTIONS

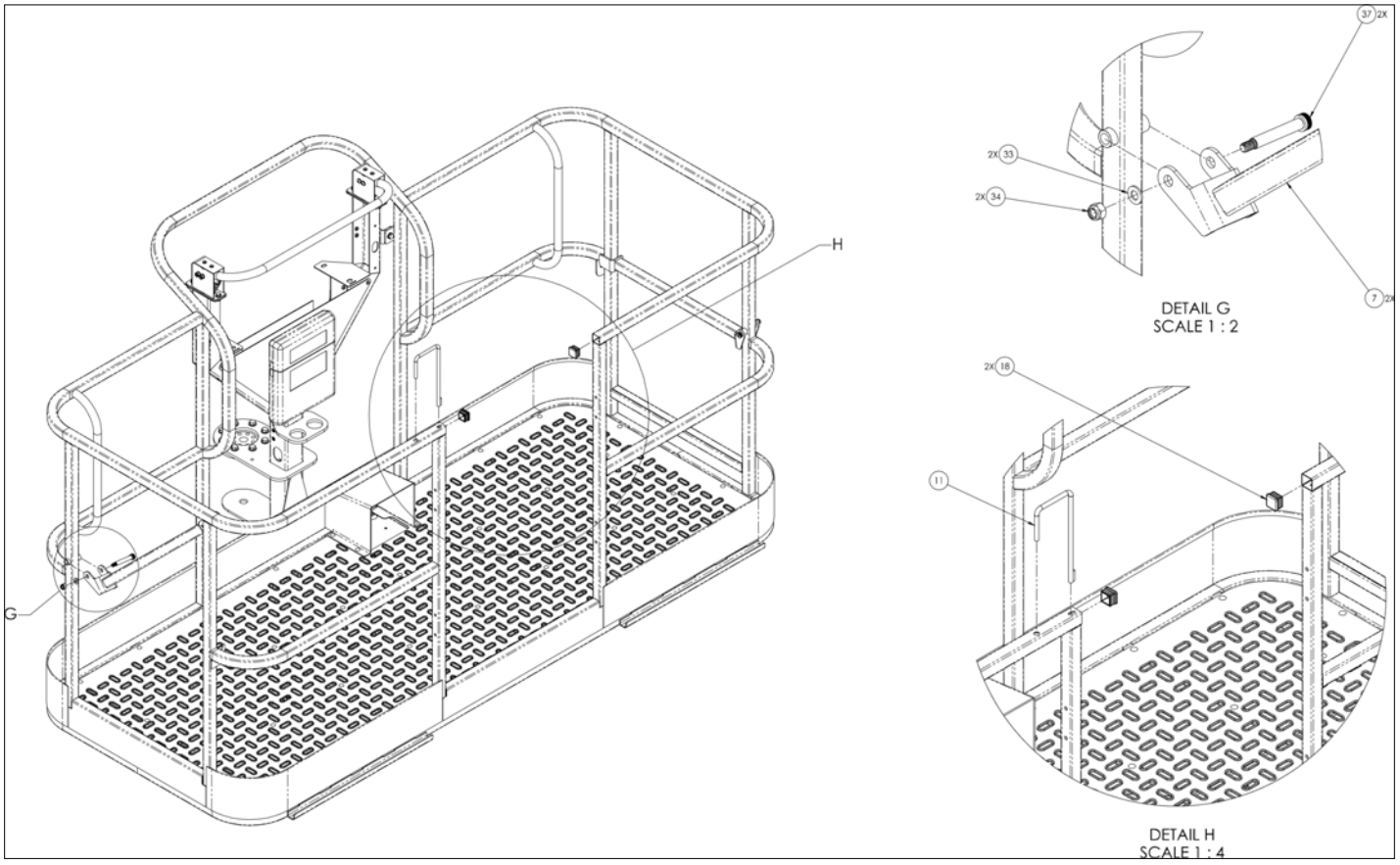


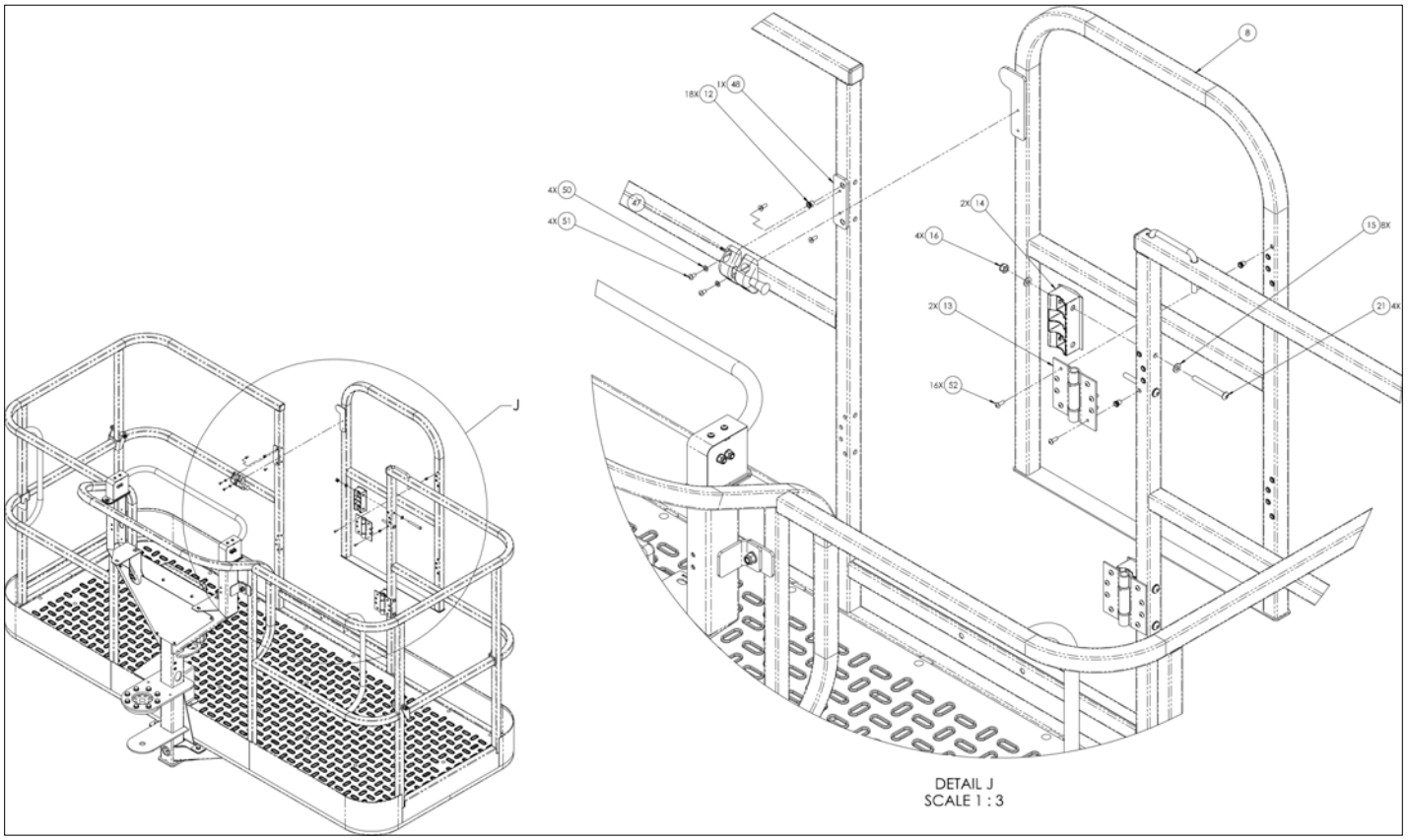

2X 35
2
1
4X 33
2X 34
32 8X
22
8X 31
28
35 2X
33 4X
17 2X
30
34 2X
B
4X 34
33 8X
35 4X
DETAIL B
SCALE 1 : 3
NOTES:
1. APPLY LOCTITE AND TORQUE TO 79 FT-LBS (107 N-m).
2. "UP" IN RED LETTERS ON OVERLOAD PLATE (ITEM 31) SHALL BE FACING UP.
LOAD CELL PLUG TO FACE PLATFORM. CABLE ROUTED THROUGH ADJACENT POCKET.

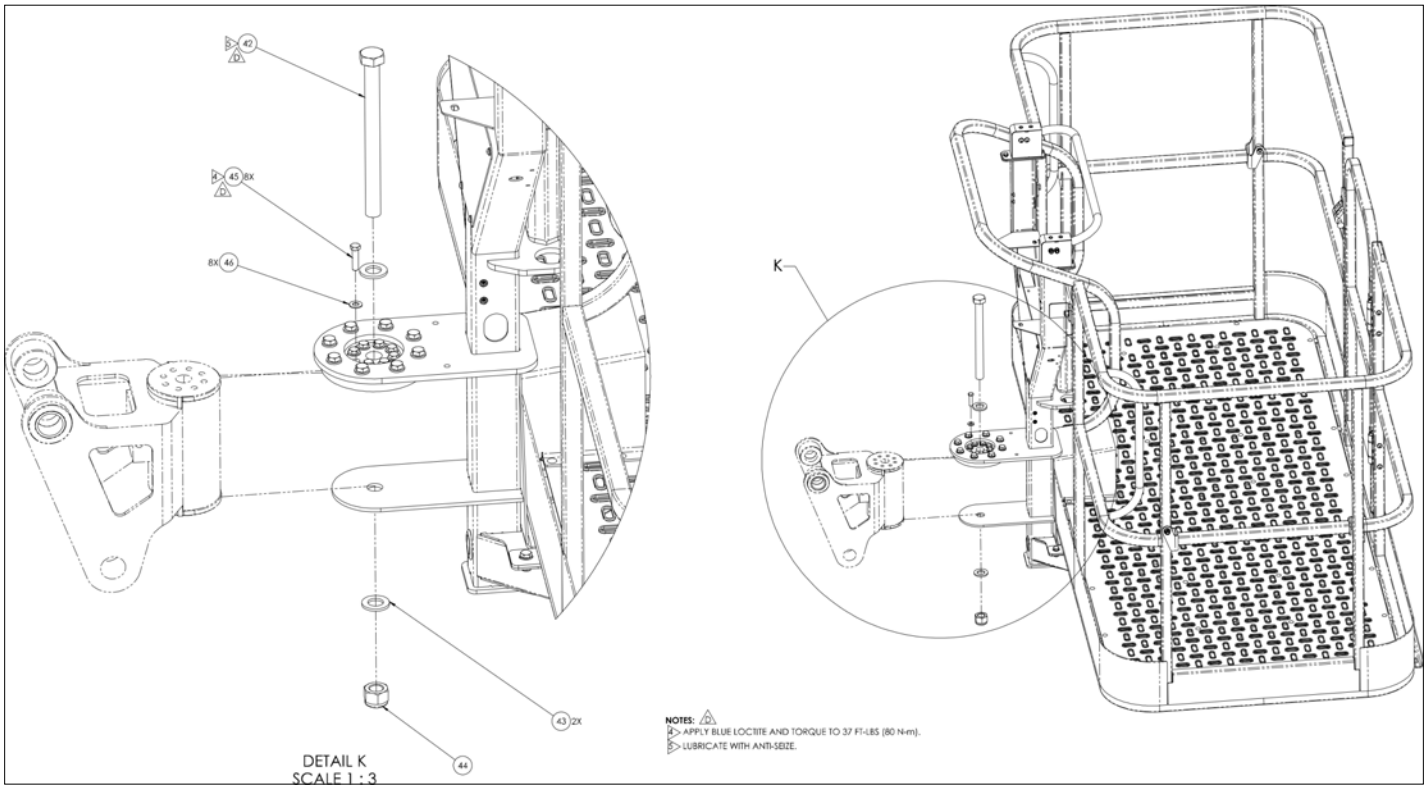

4X 22
4X 20
9
4X 20
4X 22
10
53
APPLY EDGE GUARD TO POCKET
4X 17
4X 20
4X 23
3 19
D
NOTES: D
3 > OPEN LITERATURE COMPARTMENT (ITEM 20) TO ACCESS MOUNTING HOLES.


C
D
E
20 4X
38 4X
39 37X
6
39X 20
39X 38
DETAIL C
SCALE 1 : 3
3X 29
30 1X
DETAIL D
SCALE 1 : 2
40
4X 41
DETAIL E
SCALE 1 : 3
WRAP FOOT SWITCH HARNESS
WITH PROTECTIVE SLEEVE AND
ZIP TIE IN PLACE


F
16 4X
15 8X
25 4X
24 4X
20 4X
5 2X
4
26
27
3 2X
36 4X
15 8X
16 4X
DETAIL F
SCALE 1 : 3


H
G
37 2X
2X 33
2X 34
7 2X
DETAIL G
SCALE 1 : 2
2X 18
11
DETAIL H
SCALE 1 : 4


J
8
18X 12
1X 46
4X 50
4X 51
47
2X 14
4X 16
15 8X
2X 13
21 4X
16X 52
DETAIL J
SCALE 1 : 3

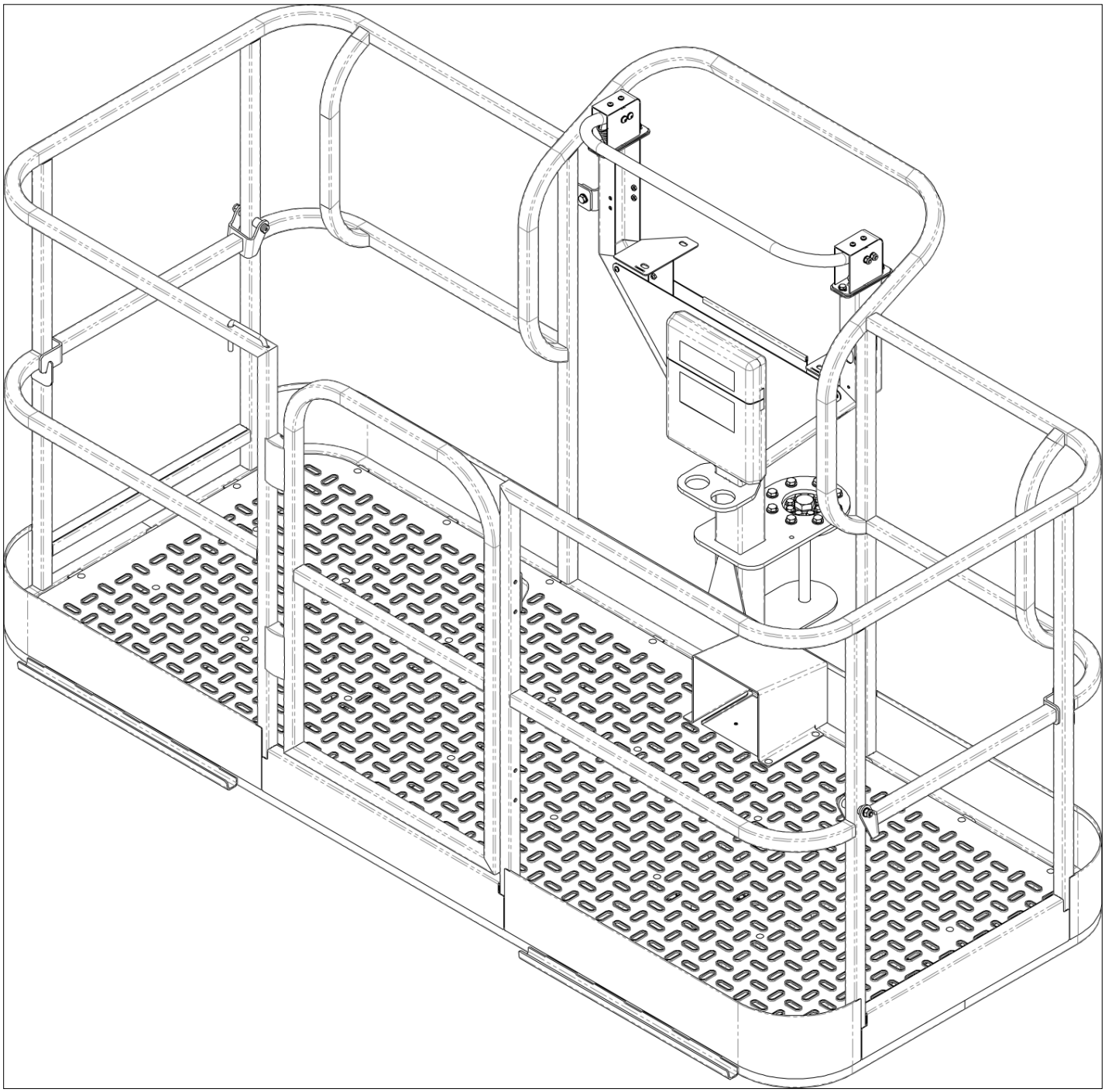

42
45 8X
8X 46
43 2X
44
DETAIL K
SCALE 1 : 3
K
NOTES:
4> APPLY BLUE LOCTITE AND TORQUE TO 37 FT-LBS (80 N-m).
5> LUBRICATE WITH ANTI-SEIZE.

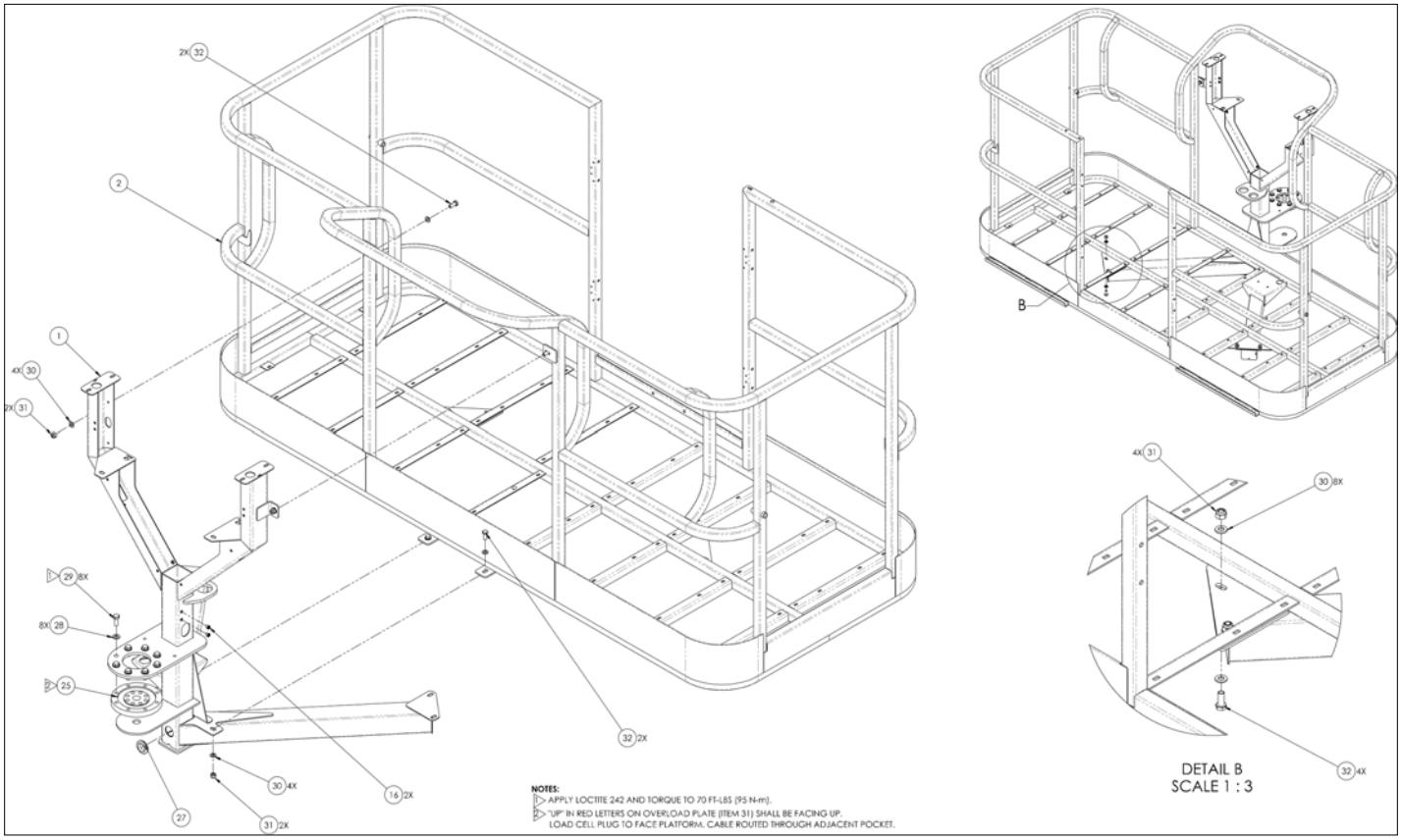
アイテム	部品番号	名前	数量	UOM
-	1433506 D	PLATFORM INSTALLATION, NO JIB		EA
1	1433081	PLATFORM MOUNT WELDMENT	1	EA
2	1433100	PLATFORM WELDMENT	1	EA
3	1433135	SNORKELGUARD SUPPORT	2	EA
4	1433131	SNORKELGUARD TUBE WELDMENT	1	EA
5	1433140	COVER, SNORKELGUARD	2	EA
6	1433147	FLOOR, PLATFORM, ALUMINUM	1	EA
7	1433141	WELDMENT, SIDE GATE	2	EA
8	1433171	GATE, WELDMENT, AUS	1	EA
9	1433145	COVER, PLATFORM, REAR	1	EA
10	1433146	COVER, PLATFORM, FRONT	1	EA
11	1433148	HOOK, WELDMENT	1	EA
12	10001218	NUTSERT M5-0.8 X 3.3 GRIP	18	EA
13	5516359	HINGE, SPRING	2	EA
14	1501844	BUMPER, GATES	2	EA
15	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	24	EA
16	056064-008	NUT HEX M8-1.25 GR10.9 SELF LOCKING DIN 985	12	EA
17	5076534	RIVET NUT-M6X1.0,4.2 GRIP	6	EA
18	5563881	CAP 1.25"X14-20GA SQ TUBE	2	EA
19	562386	Literature Compartment	1	EA
20	056069-006	WSHR STEELFLATWSHE M6 DIN125A	55	EA
21	500595-075	Bolt, SktButCapScrew DIN9427 M	4	EA
22	5563280	SBHCS M6 X 1.0 X 14 GR 12.9 ZP	8	EA
23	512630-016	BOLT, HEXBOLT DIN933 M6 x 16mm 10.9 ZINCPLATED	4	EA

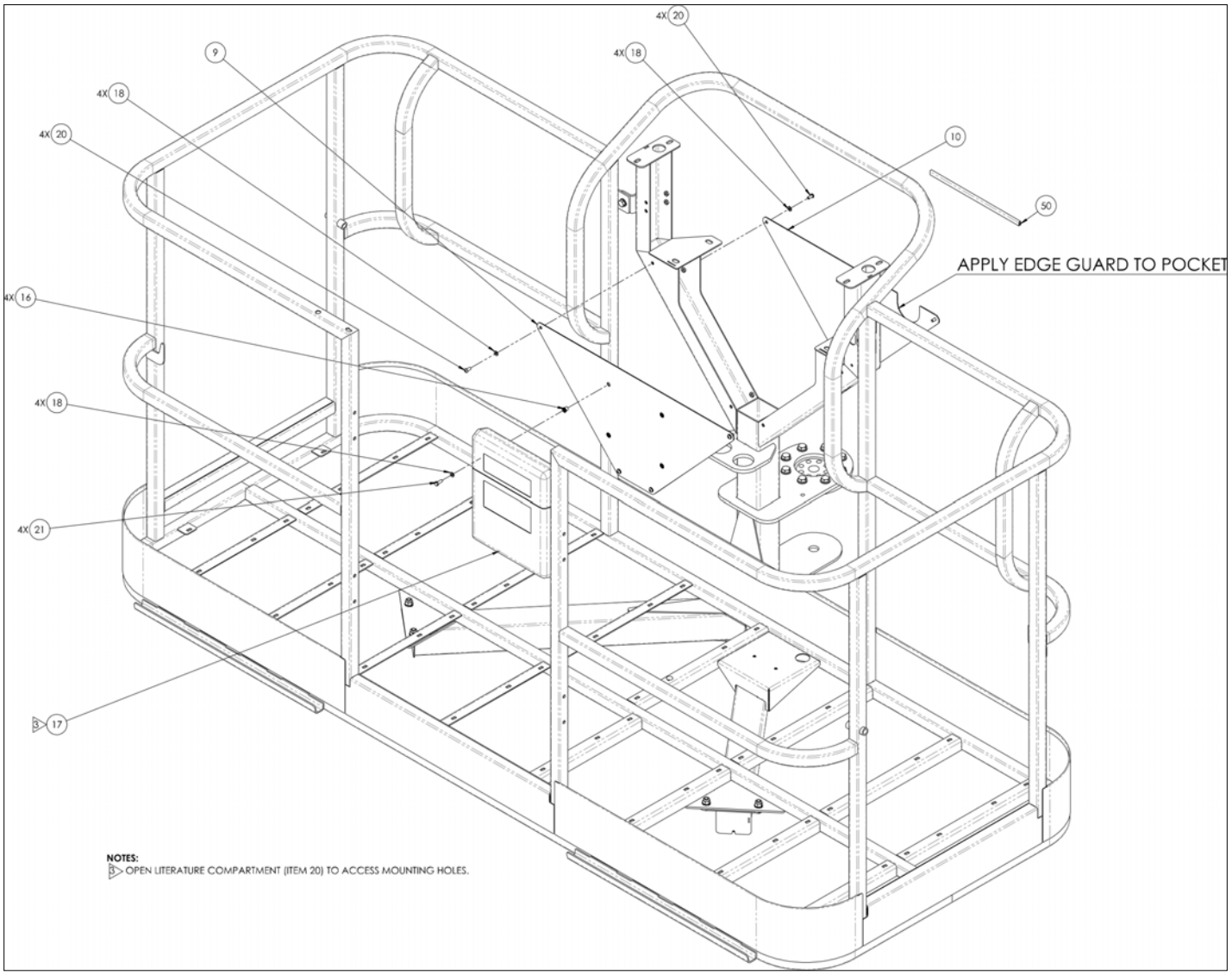
アイテム	部品番号	名前	数量	UOM
24	505082-020	Bolt, SktButCapScrew DIN9427 M5 x 20mm 10.9 ZincPlated	4	EA
25	10504-060	BUTTON HEAD HEX M8-1.25 X 60MM	4	EA
26	3028844	IFS241 (IFM PROXY)	1	EA
27	0113530	SPRING ANTI-ENTRAPMENT	1	EA
28	3030188	OVERLOAD SENSOR PLATE	1	EA
29	3220344	CLIP-HARNESS .04-.25 THK	3	EA
30	5563883	GROMMET 1.5 ID X 1.875OD	1	EA
31	056069-012	WASHER DIN125A M12 ZP	8	EA
32	5563508	BOLT HEXBOLT DIN931 M12 X 1.75 X 30 10.11	8	EA
33	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	18	EA
34	056064-010	Nut NylockNut DIN985 M10 10.0	10	EA
35	058493-025	HHCS M10 X 25MM GR10.9 DIN933	8	EA
36	510681-020	HHCS M8X1.25X20 G10.9 ISO 4014 DIN 933	4	EA
37	5563940	BLT SHDR SKTHD 12MMx70xM10x1.5	2	EA
38	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	39	EA
39	5563934	BLT CRG M6-1.0x16LG GR8.8 ZINCPLATED	37	EA
40	1433470	COVER-FOOTSWITCH	1	EA
41	5563980	BLT CRG M6-1.0 X 20 LG GR8.8 ZP	2	EA
42	512649-280	BOLT,HexBolt,DIN931,M24 x 280m	1	EA
43	510595-024	WASHER, FLAT M24 DIN 125	2	EA
44	056064-024	Nut, NylockNut DIN985 M24 10.0	1	EA
45	5563422	BLT HEXHD .375-16x1.50 GR8 ZP	8	EA

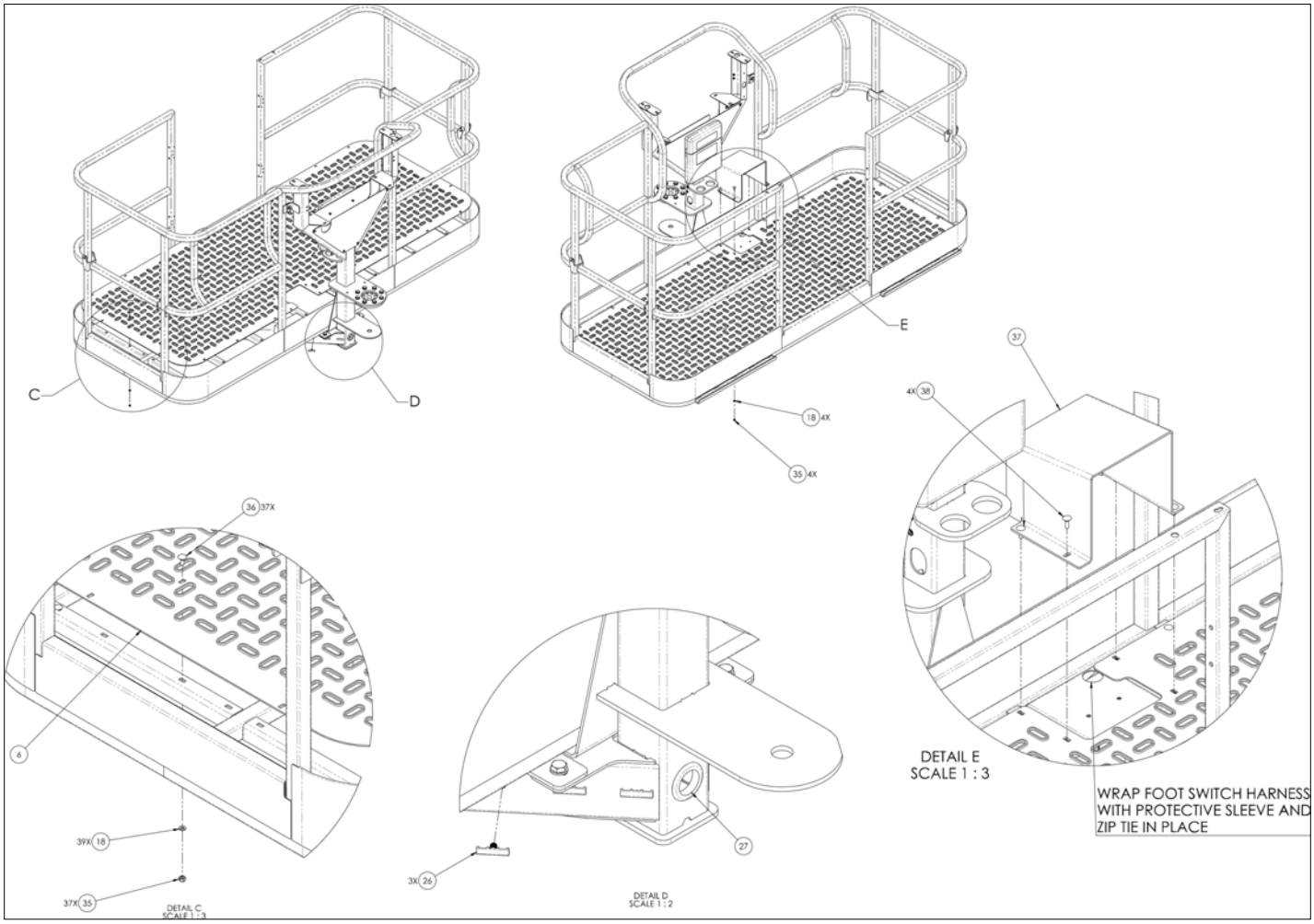
アイテム	部品番号	名前	数量	UOM
46	5560222	WSHR FLAT HARD .375 SP	8	EA
47	13909	Latch, Magnetic Slam	1	EA
48	1432458	PLT GATE MNT LT	1	EA
Not Shown	10601-014	SCREW, M5-0.80 FHSC X 12MM LG	2	EA
50	056069-005	Washer SteelFlatWasher DIN125A	4	EA
51	5563967	Wheel nut, cone 1/2-20	4	EA
52	5563981	SBHCS M5 X .8 X 14 GR 10.9 ZP	16	EA
53	9920035	TRIMSEAL X3/16G TRIM LOK	1	EA

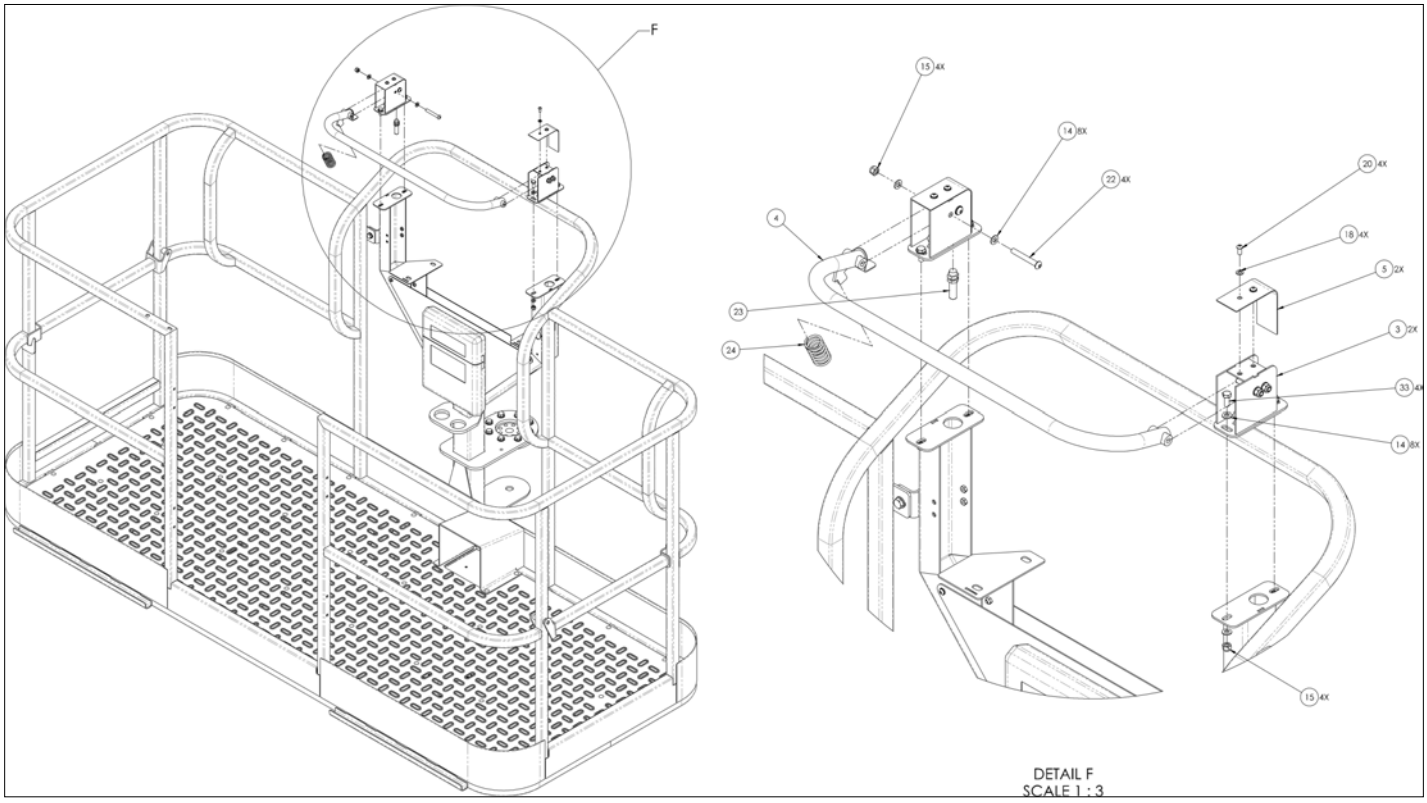
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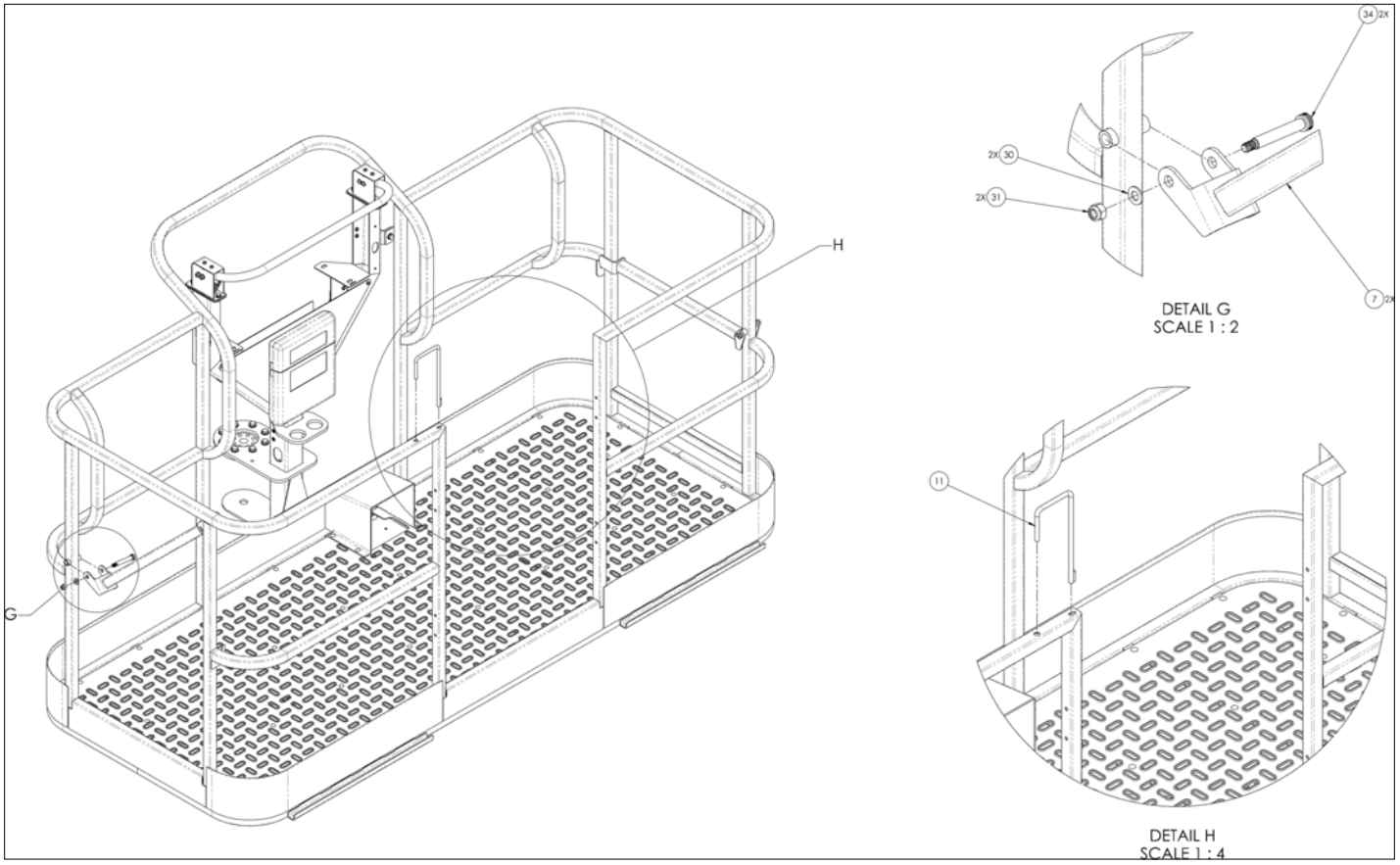


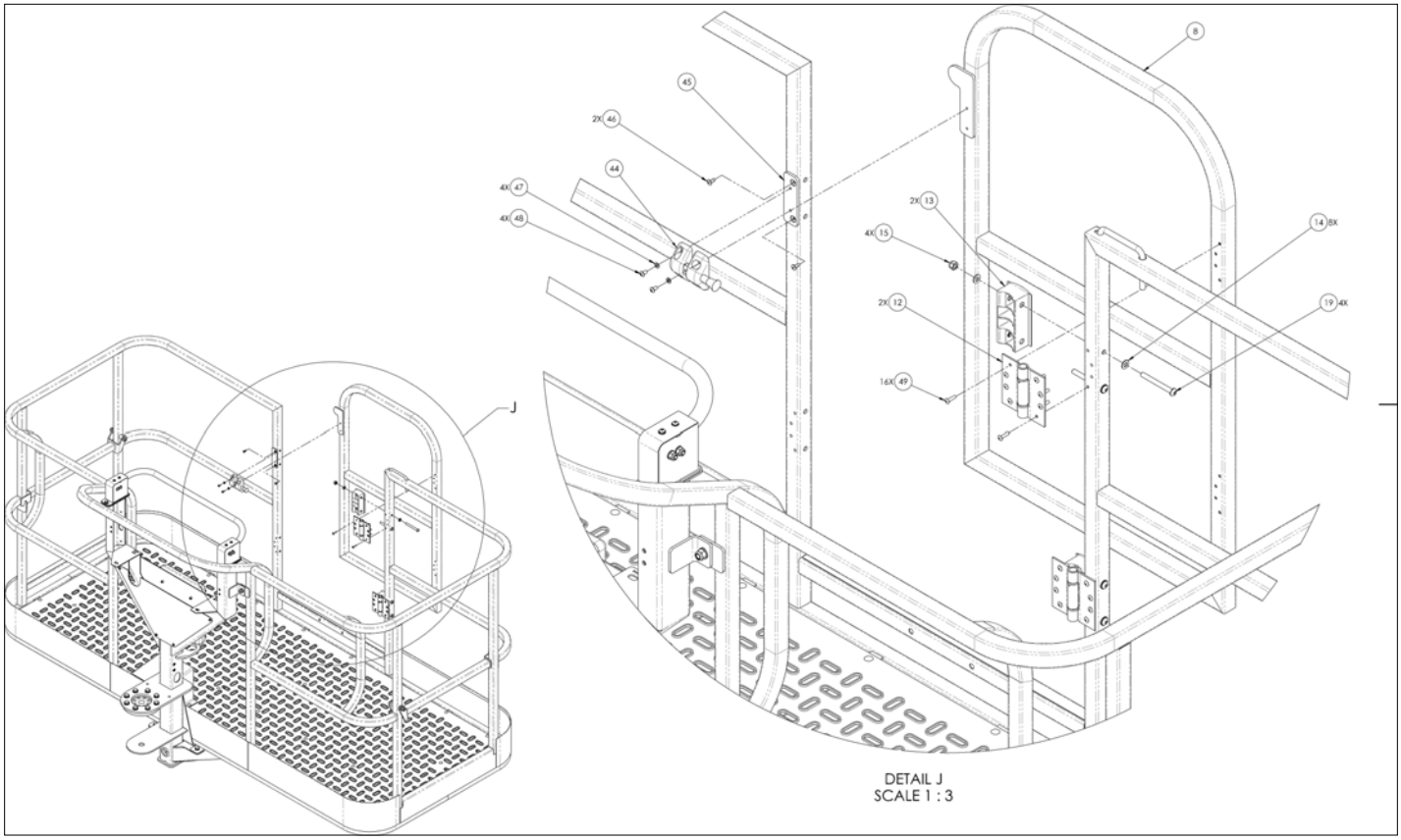

2X 32
2
1
4X 30
2X 31
29 8X
8X 28
25
27
30 4X
16 2X
31 2X
32 2X
B
4X 31
30 8X
32 4X
DETAIL B
SCALE 1 : 3
NOTES:
1. APPLY LOCTITE 242 AND TORQUE TO 70 FT-LBS (95 N-m).
2. "UP" IN RED LETTERS ON OVERLOAD PLATE (ITEM 31) SHALL BE FACING UP.
LOAD CELL PLUG TO FACE PLATFORM. CABLE ROUTED THROUGH ADJACENT POCKET.

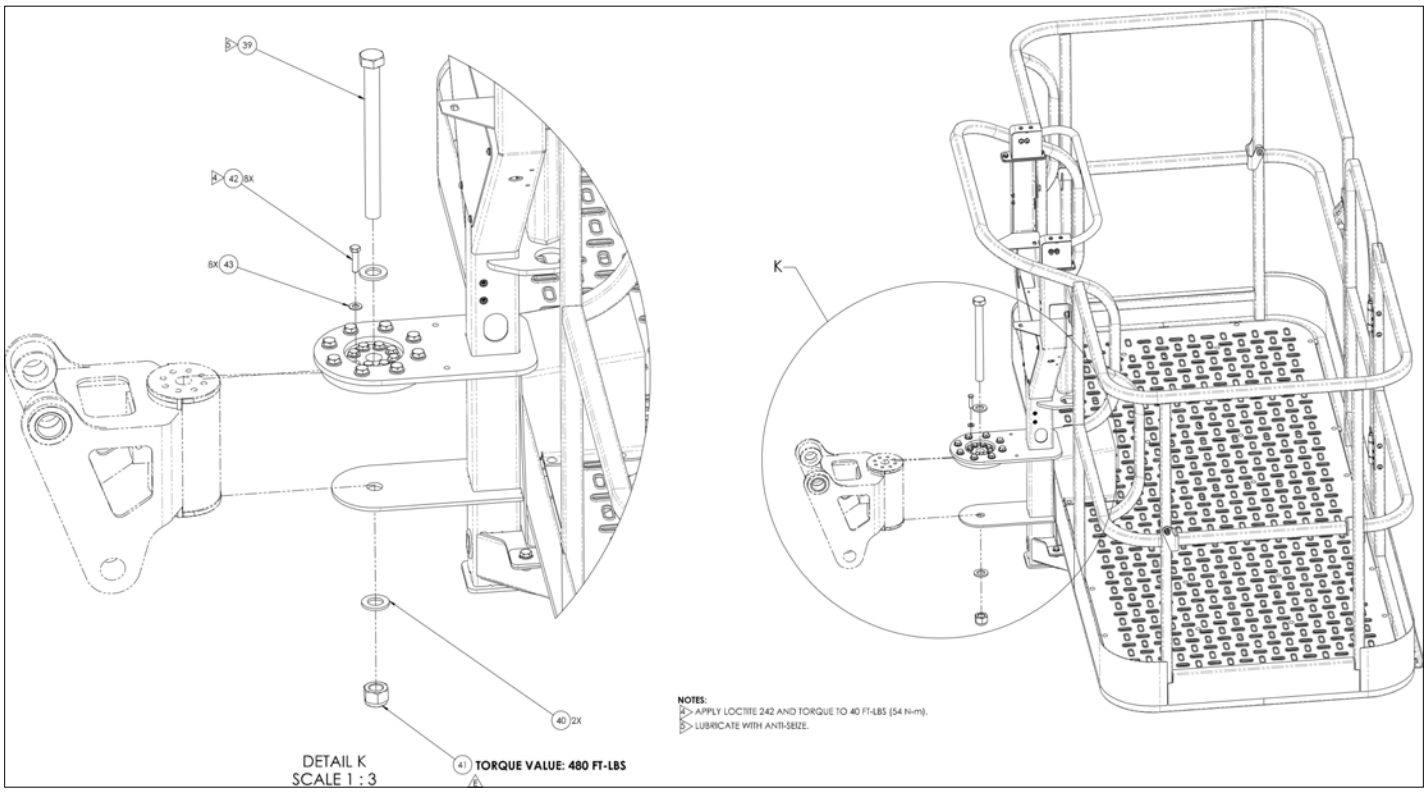

4X 20
9
4X 18
4X 18
4X 20
10
50
APPLY EDGE GUARD TO POCKET
4X 16
4X 18
4X 21
3 17
NOTES:
3 OPEN LITERATURE COMPARTMENT (ITEM 20) TO ACCESS MOUNTING HOLES.


C
D
E
18 4X
35 4X
37
4X 38
DETAIL E
SCALE 1 : 3
WRAP FOOT SWITCH HARNESS
WITH PROTECTIVE SLEEVE AND
ZIP TIE IN PLACE
36 37X
6
39X 18
37X 35
DETAIL C
SCALE 1 : 3
3X 26
27
DETAIL D
SCALE 1 : 2


F
15 4X
14 8X
22 4X
20 4X
4
18 4X
5 2X
23
3 2X
24
33 4X
14 8X
15 4X
DETAIL F
SCALE 1 : 3


H
G
34 2X
2X 30
2X 31
7 2X
DETAIL G
SCALE 1 : 2
11
DETAIL H
SCALE 1 : 4


J
8
45
2X 46
44
4X 47
4X 48
2X 13
4X 15
2X 12
16X 49
14 8X
19 4X
DETAIL J
SCALE 1 : 3

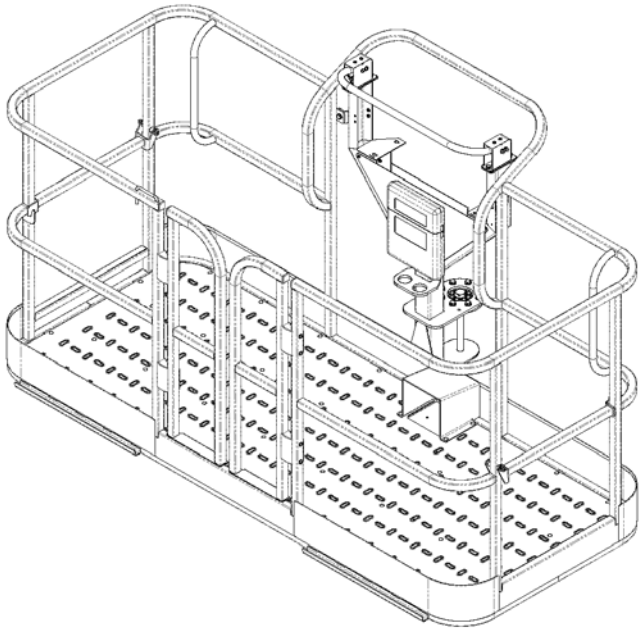

39
42 8X
8X 43
40 2X
41 TORQUE VALUE: 480 FT-LBS
DETAIL K
SCALE 1 : 3
K
NOTES:
4 APPLY LOCTITE 242 AND TORQUE TO 40 FT-LBS (54 N-m).
5 LUBRICATE WITH ANTI-SEIZE.

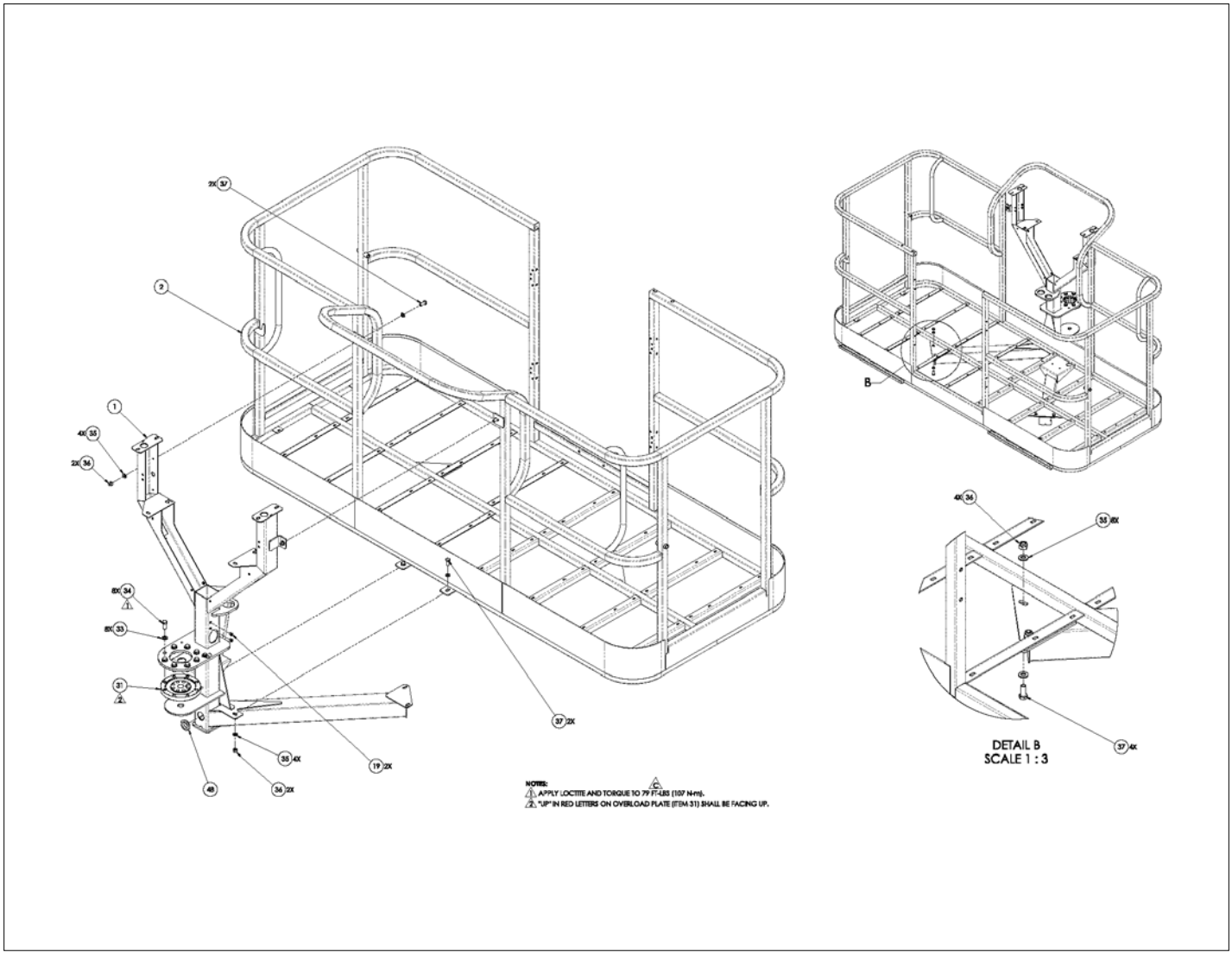
アイテム	部品番号	名前	数量	UOM
-	1433506 E	8' PLATFORM INSTALLATION NO JIB AS NOVEMVER 2019 AND AFTER		EA
1	1433081	PLATFORM MOUNT WELDMENT	1	EA
2	1434254	PLATFORM WELDMENT	1	EA
3	1433135	SNORKELGUARD SUPPORT	2	EA
4	1433131	SNORKELGUARD TUBE WELDMENT	1	EA
5	1433140	COVER, SNORKELGUARD	2	EA
6	1433147	FLOOR, PLATFORM, ALUMINUM	1	EA
7	1433141	WELDMENT, SIDE GATE	2	EA
8	1434267	GATE WLDMNT-AUS	1	EA
9	1433145	COVER, PLATFORM, REAR	1	EA
10	1433146	COVER, PLATFORM, FRONT	1	EA
11	1433148	HOOK, WELDMENT	1	EA
12	5516359	HINGE, SPRING	2	EA
13	1501844	BUMPER, GATES	2	EA
14	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	24	EA
15	056064-008	NUT HEX M8-1.25 GR10.9 SELF LOCKING DIN 985	12	EA
16	5076534	RIVET NUT-M6X1.0,4.2 GRIP	6	EA
17	562386	Literature Compartment	1	EA
18	056069-006	WSHR STEELFLATWSHE M6 DIN125A	55	EA
19	500595-075	Bolt, SktButCapScrew DIN9427 M	4	EA
20	5563280	SBHCS M6 X 1.0 X 14 GR 12.9 ZP	12	EA
21	512630-016	BOLT, HEXBOLT DIN933 M6 x 16mm 10.9 ZINCPLATED	4	EA
22	10504-060	BUTTON HEAD HEX M8-1.25 X 60MM	4	EA

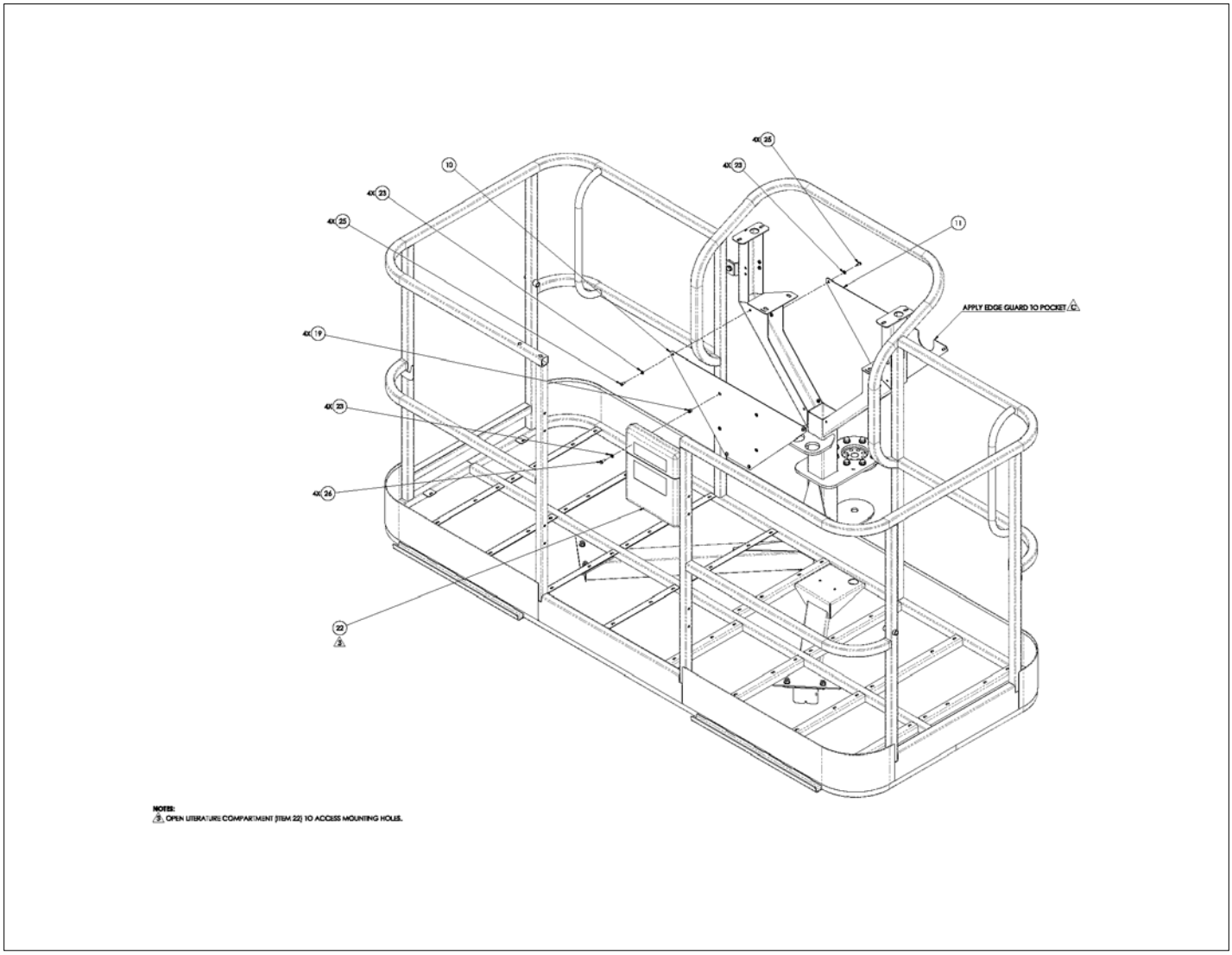
アイテム	部品番号	名前	数量	UOM
23	3028844	IFS241 (IFM PROXY)	1	EA
24	0113530	SPRING ANTI-ENTRAPMENT	1	EA
25	3030188	OVERLOAD SENSOR PLATE	1	EA
26	3220344	CLIP-HARNESS .04-.25 THK	3	EA
27	5563883	GROMMET 1.5 ID X 1.875OD	1	EA
28	056069-012	WASHER DIN125A M12 ZP	8	EA
29	5563508	BOLT HEXBOLT DIN931 M12 X 1.75 X 30 10.11	8	EA
30	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	18	EA
31	056064-010	Nut NylockNut DIN985 M10 10.0	10	EA
32	058493-025	HHCS M10 X 25MM GR10.9 DIN933	8	EA
33	510681-020	HHCS M8X1.25X20 G10.9 ISO 4014 DIN 933	4	EA
34	5563940	BLT SHDR SKTHD 12MMx70xM10x1.5	2	EA
35	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	39	EA
36	5563934	BLT CRG M6-1.0x16LG GR8.8 ZINCPLATED	37	EA
37	1433470	COVER-FOOTSWITCH	1	EA
38	5563980	BLT CRG M6-1.0 X 20 LG GR8.8 ZP	2	EA
39	512649-280	BOLT,HexBolt,DIN931,M24 x 280m	1	EA
40	510595-024	WASHER, FLAT M24 DIN 125	2	EA
41	056064-024	Nut, NylockNut DIN985 M24 10.0	1	EA
42	5563422	BLT HEXHD .375-16x1.50 GR8 ZP	8	EA
43	5560222	WSHR FLAT HARD .375 SP	8	EA
44	13909	Latch, Magnetic Slam	1	EA
45	1434266	PLT, GATE, MNT, LT	1	EA

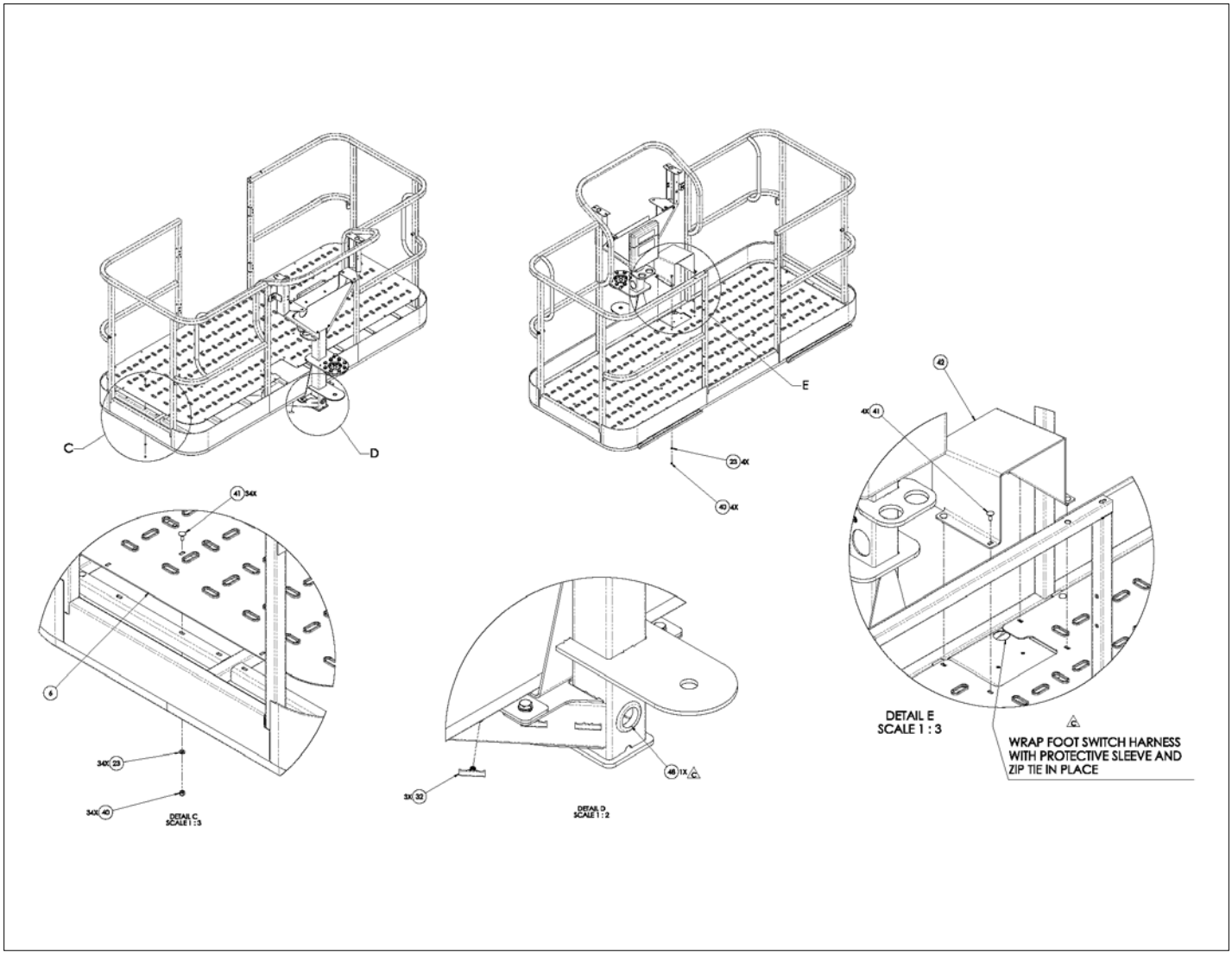
アイテム	部品番号	名前	数量	UOM
46	10000231	RIVET, 1/4 DIA .063-.250 THK	2	EA
47	056069-005	Washer SteelFlatWasher DIN125A	4	EA
48	5563967	Wheel nut, cone 1/2-20	4	EA
49	5563973	POP RIVET .188 X .13 -.25 ST	16	EA
50	9920035	TRIMSEAL X3/16G TRIM LOK	1	EA

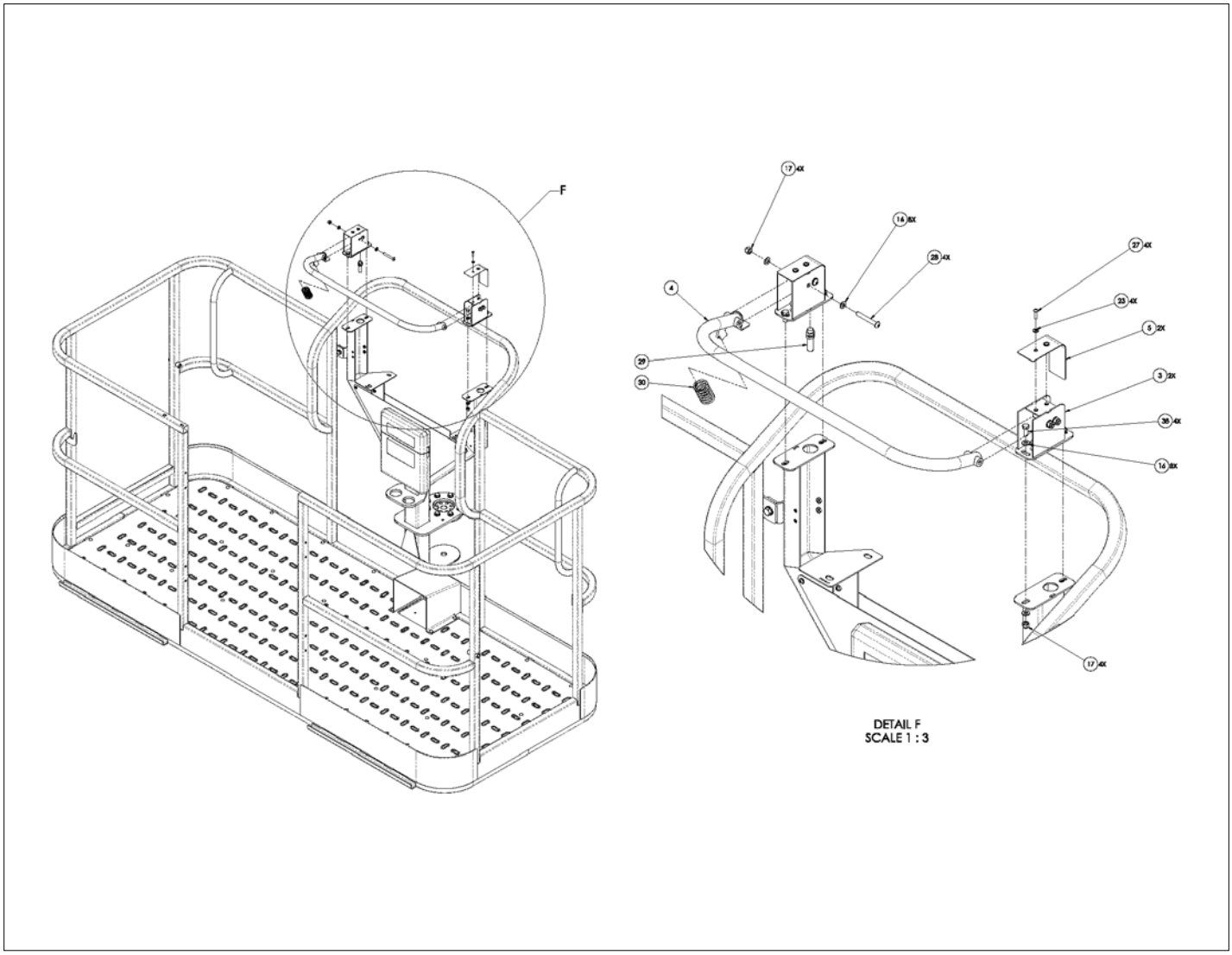
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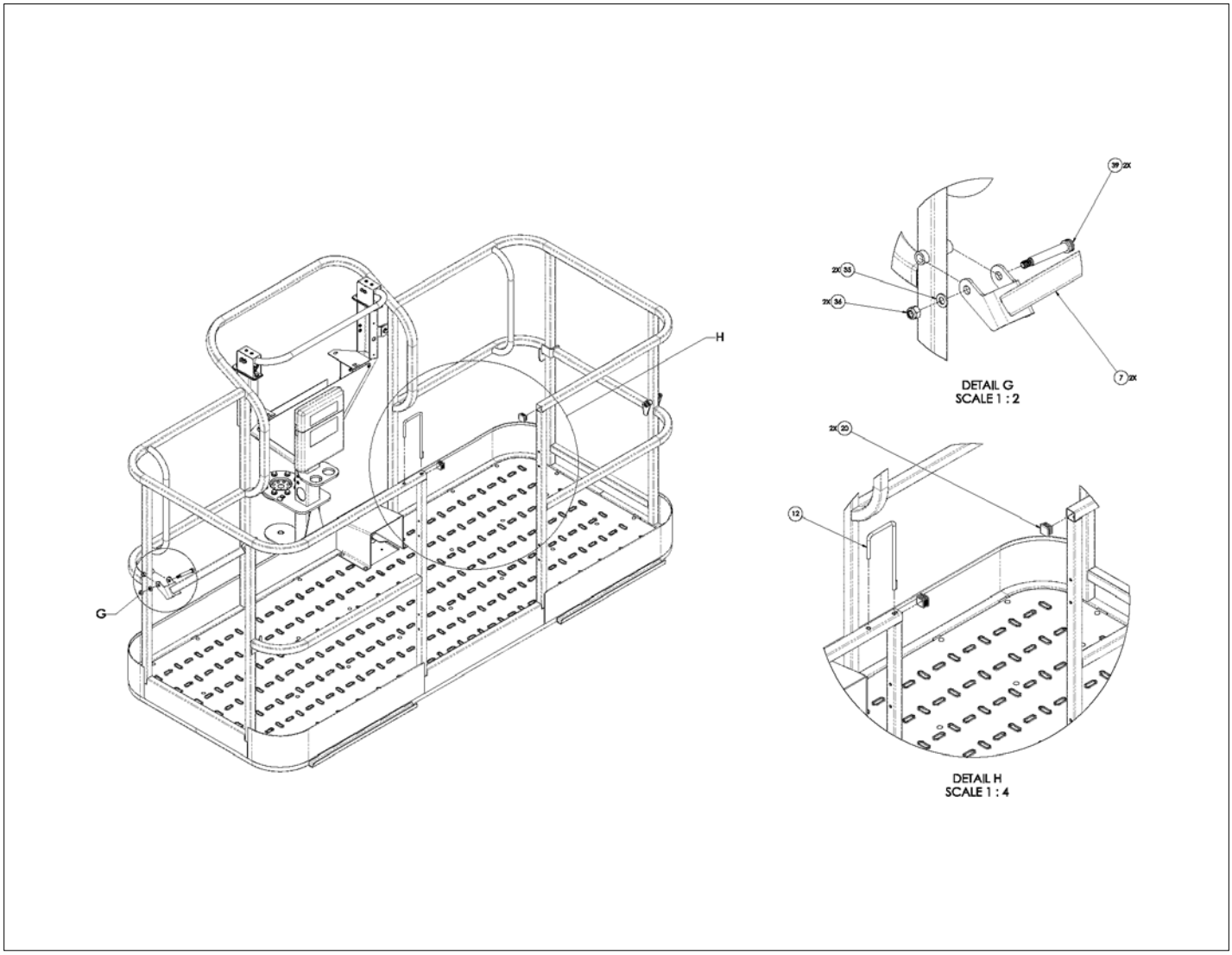


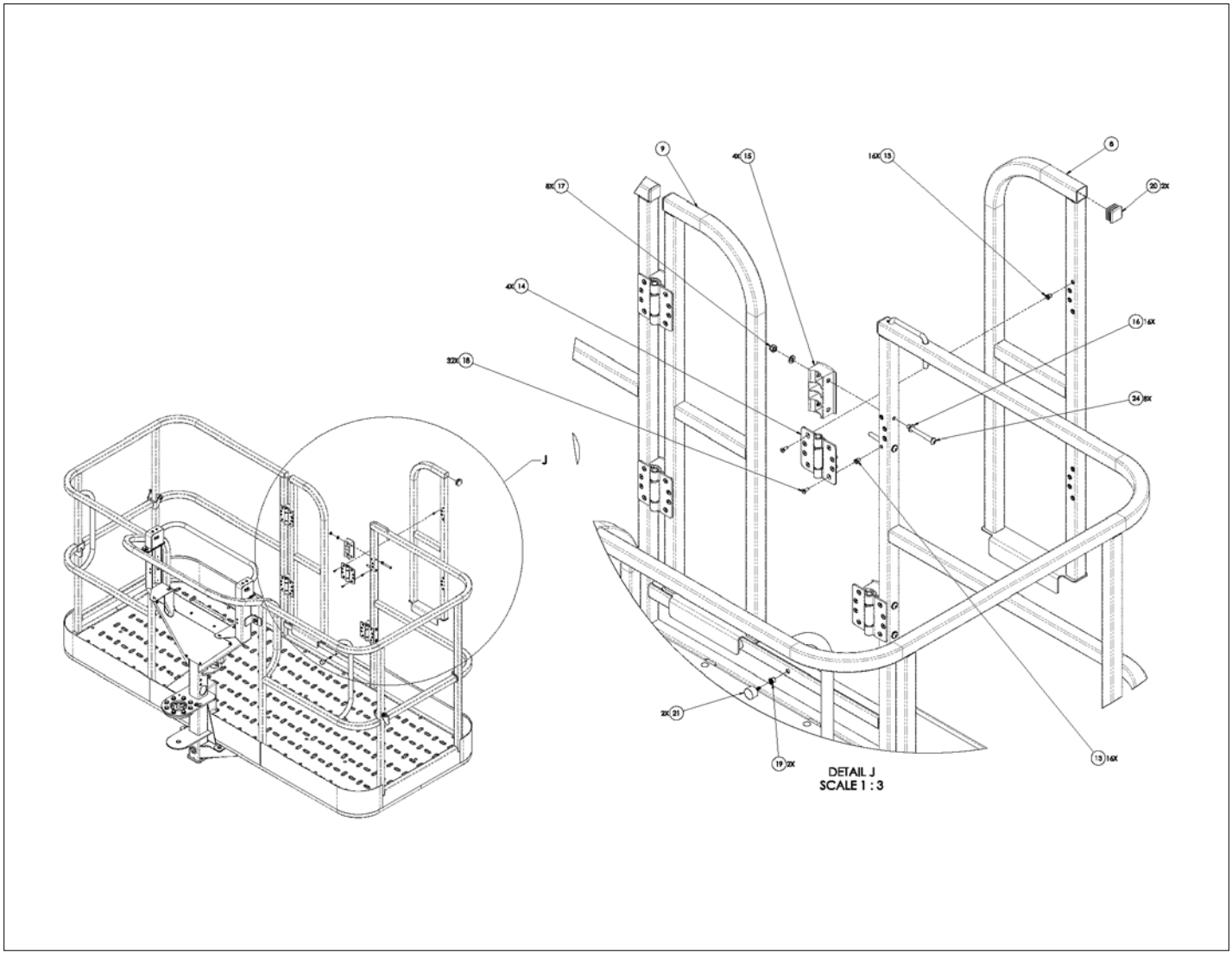

DETAIL B
SCALE 1 : 3
NOTES:
1. APPLY LOCTITE AND TORQUE TO 79 FT-LBS (107 N-m).
2. "UP" IN RED LETTERS ON OVERLOAD PLATE (ITEM 31) SHALL BE FACING UP.


4X 25
10
4X 23
4X 23
4X 25
11
APPLY EDGE GUARD TO POCKET
4X 19
4X 23
4X 24
22
NOTES:
OPEN LITERATURE COMPARTMENT (ITEM 22) TO ACCESS MOUNTING HOLES.


C
D
E
DETAIL E
SCALE 1 : 3
WRAP FOOT SWITCH HARNESS WITH PROTECTIVE SLEEVE AND ZIP TIE IN PLACE
DETAIL C
SCALE 1 : 3
DETAIL D
SCALE 1 : 2


F
DETAIL F
SCALE 1 : 3


H
G
39 2X
2X 33
2X 34
7 2X
DETAIL G
SCALE 1 : 2
2X 20
12
DETAIL H
SCALE 1 : 4

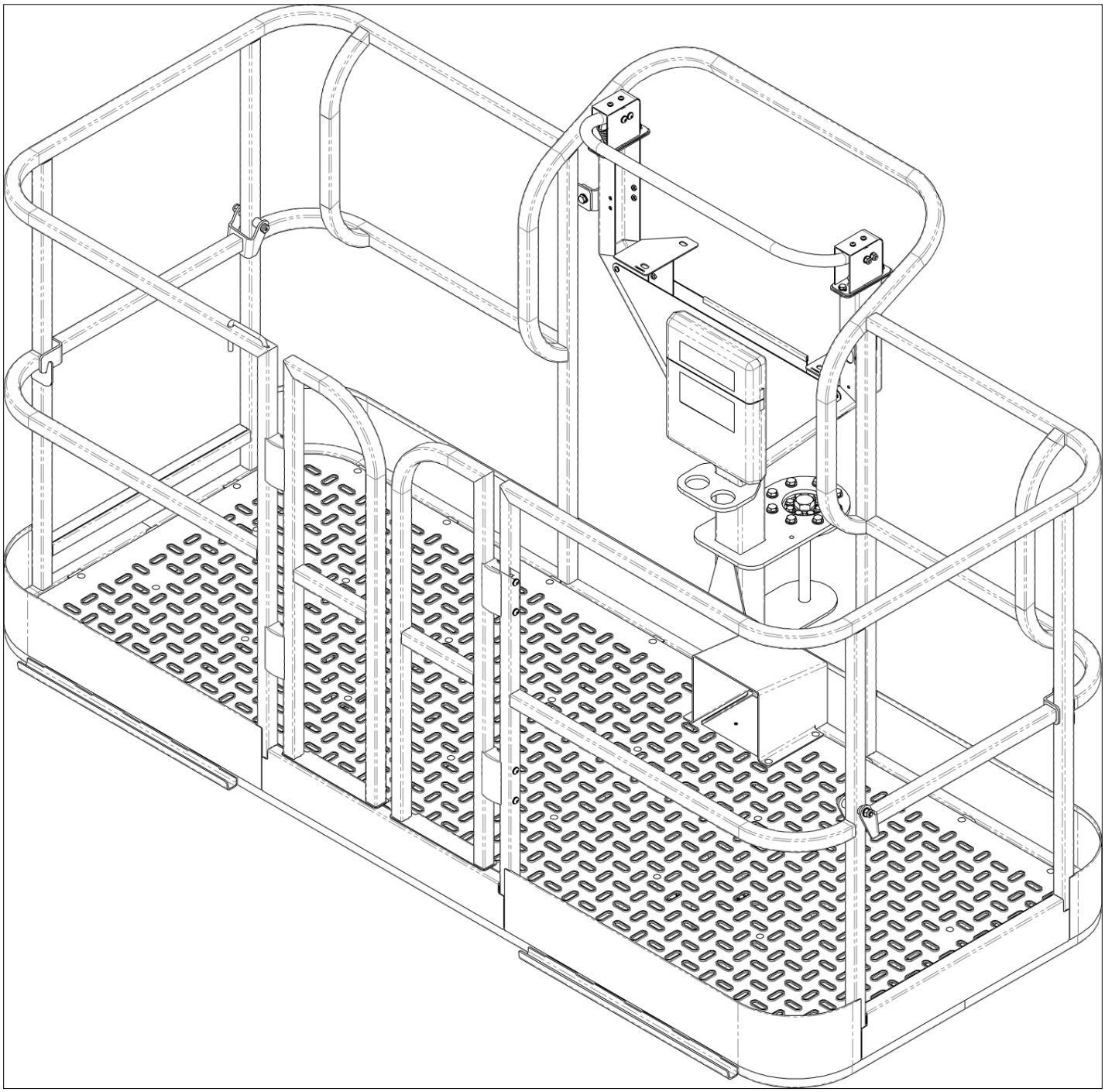

J
DETAIL J
SCALE 1 : 3

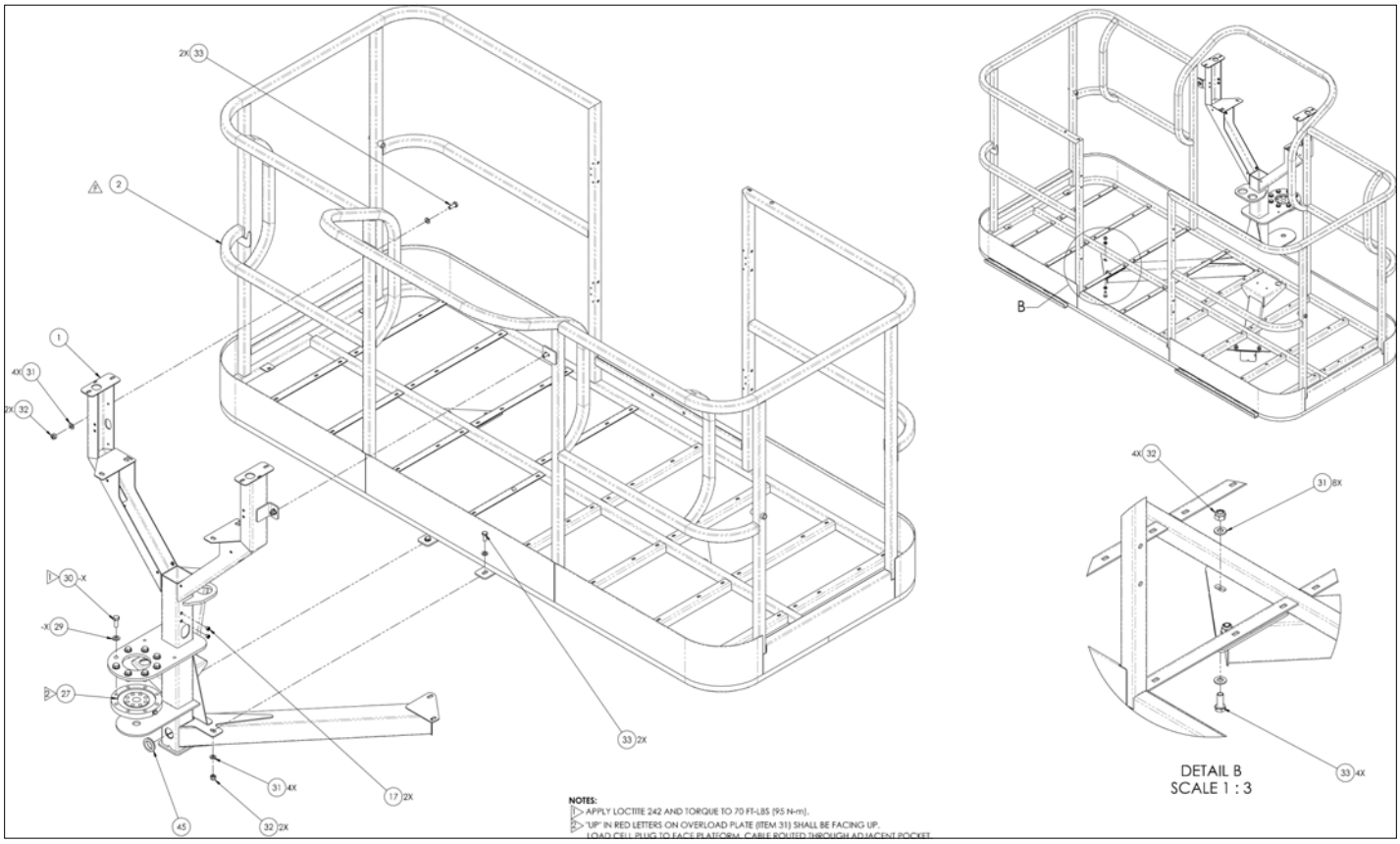
アイテム	部品番号	名前	数量	UOM
-	1433174C	8 FOOT WIDE PLATFORM INSTALL		EA
1	1433081-5	PLATFORM MOUNT WELDMENT	1	EA
2	1433100-5	PLATFORM WELDMENT	1	EA
3	1433135-5	SNORKELGUARD SUPPORT	2	EA
4	1433131-5	SNORKELGUARD TUBE WELDMENT	1	EA
5	1433140-5	COVER, SNORKELGUARD	2	EA
6	1433147	FLOOR, PLATFORM, ALUMINUM	1	EA
7	1433141-5	WELDMENT, SIDE GATE	2	EA
8	1433152-5	SALOON GATE, LEFT	1	EA
9	1433157-5	SALOON GATE, RIGHT	1	EA
10	1433145-5	COVER, PLATFORM, REAR	1	EA
11	1433146-5	COVER, PLATFORM, FRONT	1	EA
12	1433148-5	HOOK, WELDMENT	1	EA
13	10001218	NUTSERT M5-0.8 X 3.3 GRIP	32	EA
14	5516359	HINGE, SPRING	4	EA
15	1501844	BUMPER, GATES	4	EA
16	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	34	EA
17	056064-008	NUT HEX M8-1.25 GR10.9 SELF LOCKING DIN 985	17	EA
18	10601-014	SCREW, M5-0.80 FHSC X 12MM LG	32	EA
19	5076534	RIVET NUT-M6X1.0,4.2 GRIP	8	EA
20	5563881	CAP 1.25"X14-20GA SQ TUBE	4	EA
21	5563642	BUMPER-RUBBER M6X1.0	2	EA
22	562386	Literature Compartment	1	EA
23	056069-006	WSHR STEELFLATWSHE M6 DIN125A	54	EA
24	500595-075	Bolt, SktButCapScrew DIN9427 M	8	EA

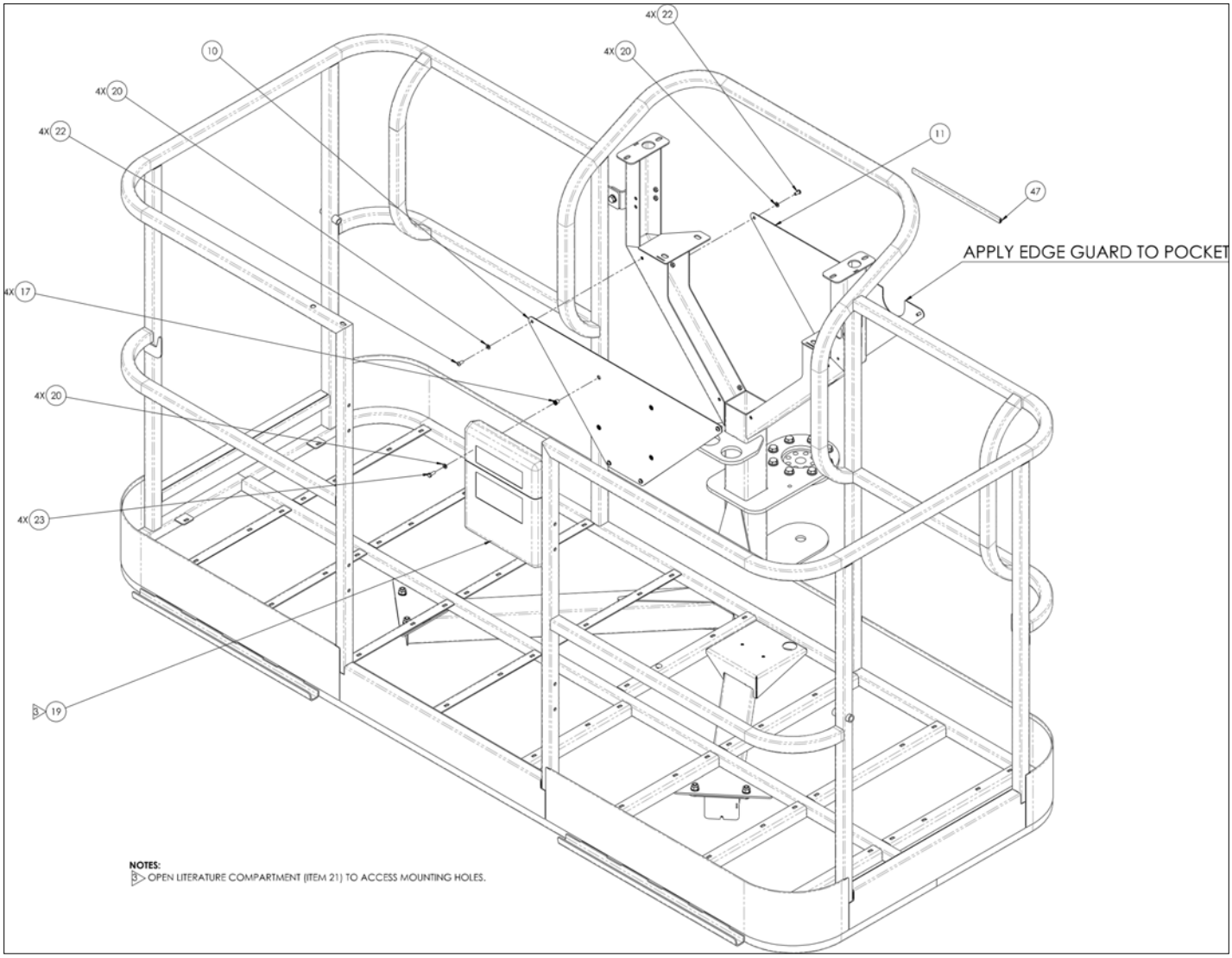
アイテム	部品番号	名前	数量	UOM
25	5563280	SBHCS M6 X 1.0 X 14 GR 12.9 ZP	8	EA
26	512630-016	BOLT, HEXBOLT DIN933 M6 x 16mm 10.9 ZINCPLATED	4	EA
27	505082-020	Bolt, SktButCapScrew DIN9427 M5 x 20mm 10.9 ZincPlated	4	EA
28	10504-060	BUTTON HEAD HEX M8-1.25 X 60MM	4	EA
29	3028844	IFS241 (IFM PROXY)	1	EA
30	0113530	SPRING ANTI-ENTRAPMENT	1	EA
31	3030188	OVERLOAD SENSOR PLATE	1	EA
32	3220344	CLIP-HARNESS .04-.25 THK	3	EA
33	056069-012	WASHER DIN125A M12 ZP	8	EA
34	5563508	BOLT HEXBOLT DIN931 M12 X 1.75 X 30 10.11	8	EA
35	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	18	EA
36	056064-010	Nut NylockNut DIN985 M10 10.0	10	EA
37	058493-025	HHCS M10 X 25MM GR10.9 DIN933	8	EA
38	510681-020	HHCS M8X1.25X20 G10.9 ISO 4014 DIN 933	4	EA
39	5563940	BLT SHDR SKTHD 12MMx70xM10x1.5	2	EA
40	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	38	EA
41	5563934	BLT CRG M6-1.0x16LG GR8.8 ZINCPLATED	38	EA
42	1433470	COVER-FOOTSWITCH	1	EA
43	512649-280	BOLT,HexBolt,DIN931,M24 x 280m	1	EA
44	510595-024	WASHER, FLAT M24 DIN 125	2	EA
45	056064-024	Nut, NylockNut DIN985 M24 10.0	1	EA

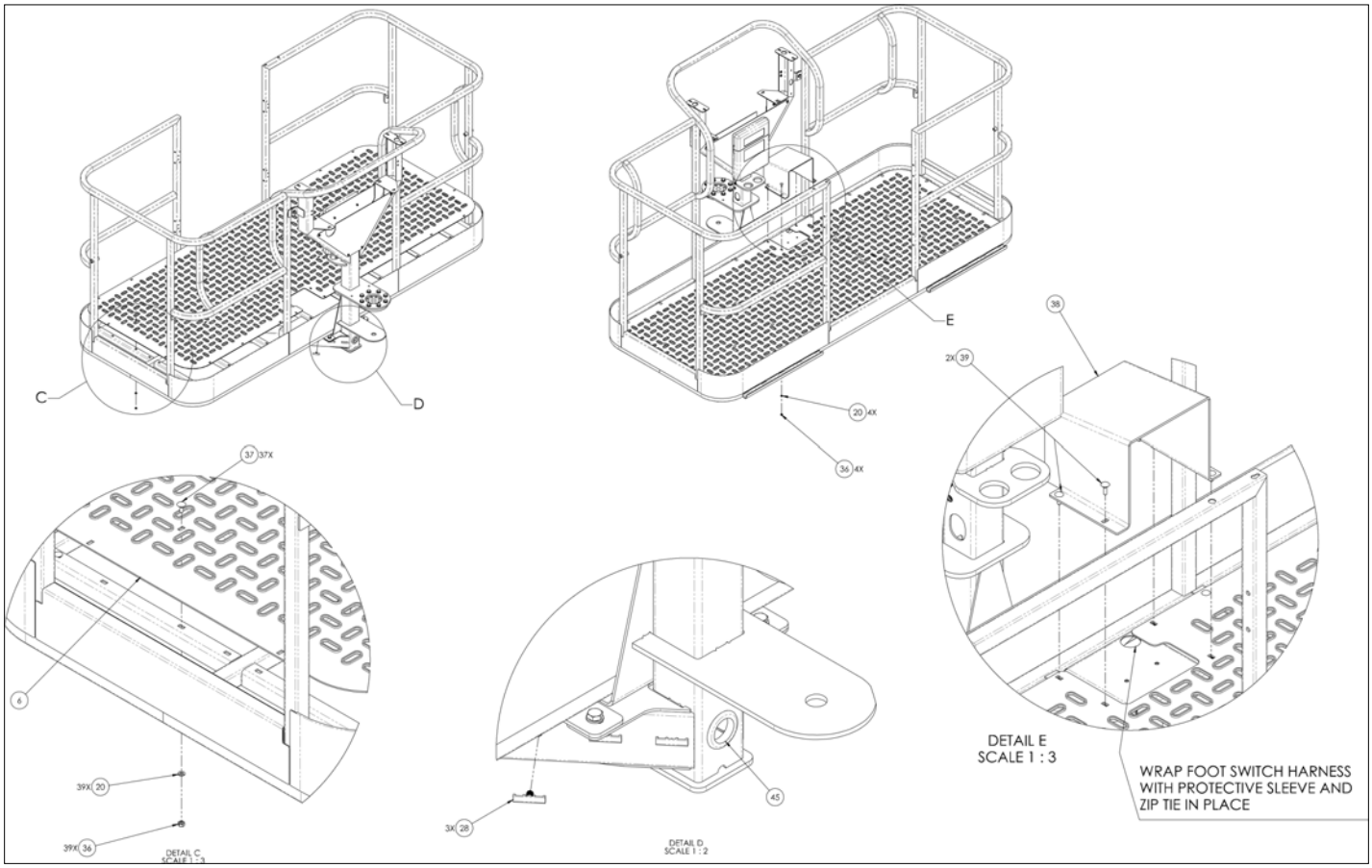
アイテム	部品番号	名前	数量	UOM
46	5563422	BLT HEXHD .375-16x1.50 GR8 ZP	8	EA
47	5560222	WSHR FLAT HARD .375 SP	8	EA
48	5563883	GROMMET 1.5 ID X 1.875OD	1	EA
49	5093000	CLP CUSH .438 VINYL COATED	1	EA
50	510681-025	HHCS M8 X 1.25 X 25 GR10.9 DIN933	1	EA

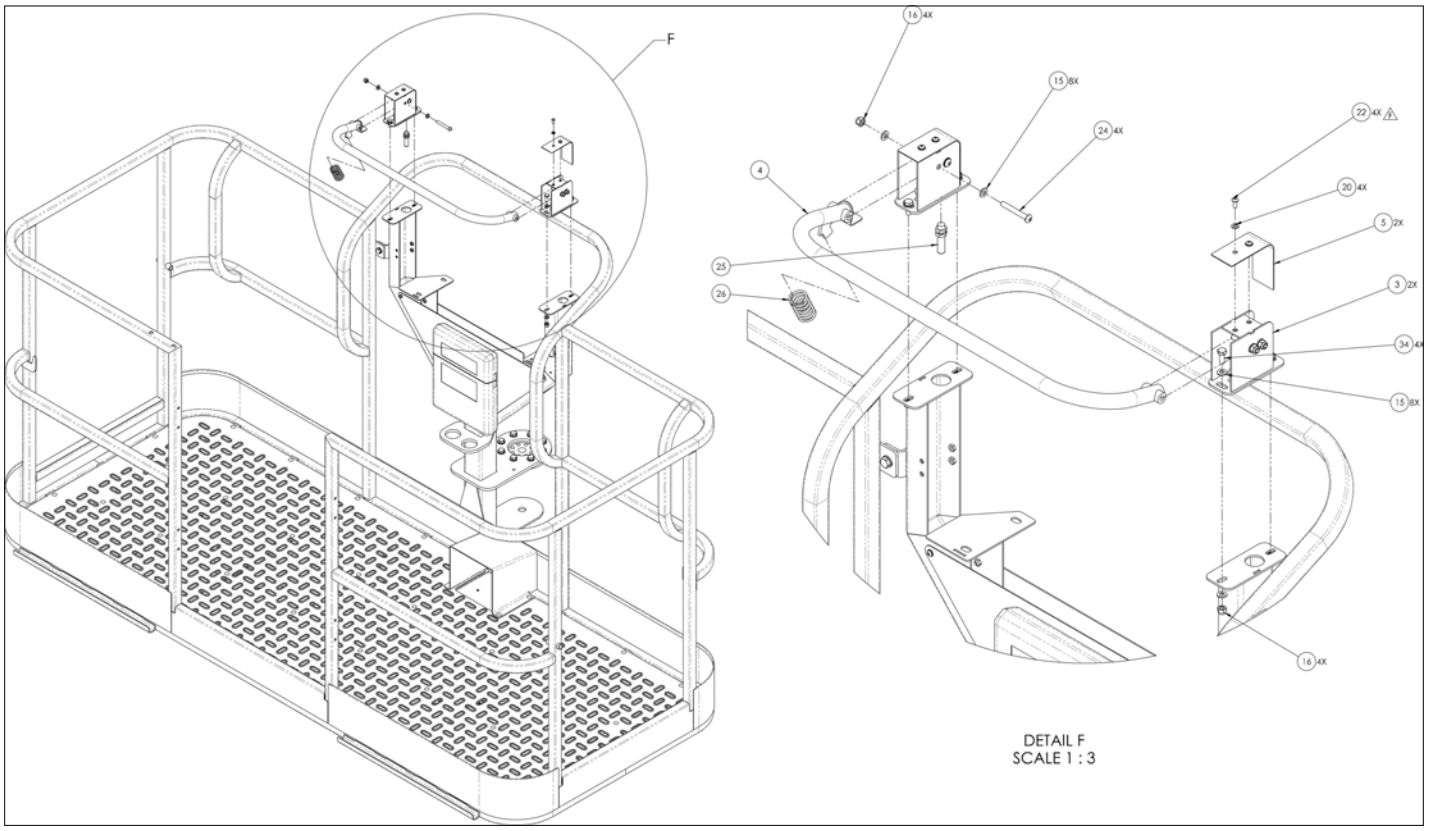
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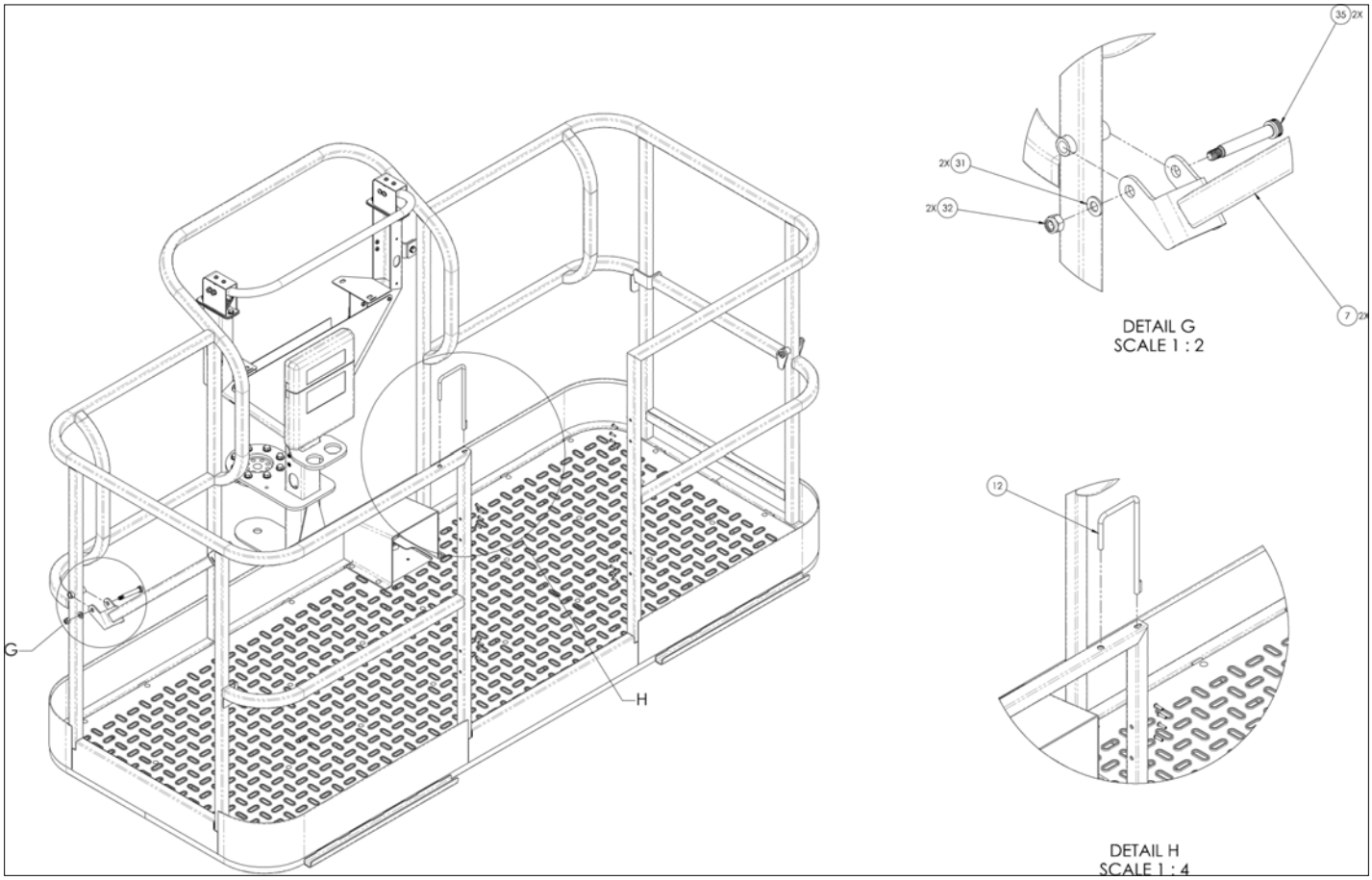


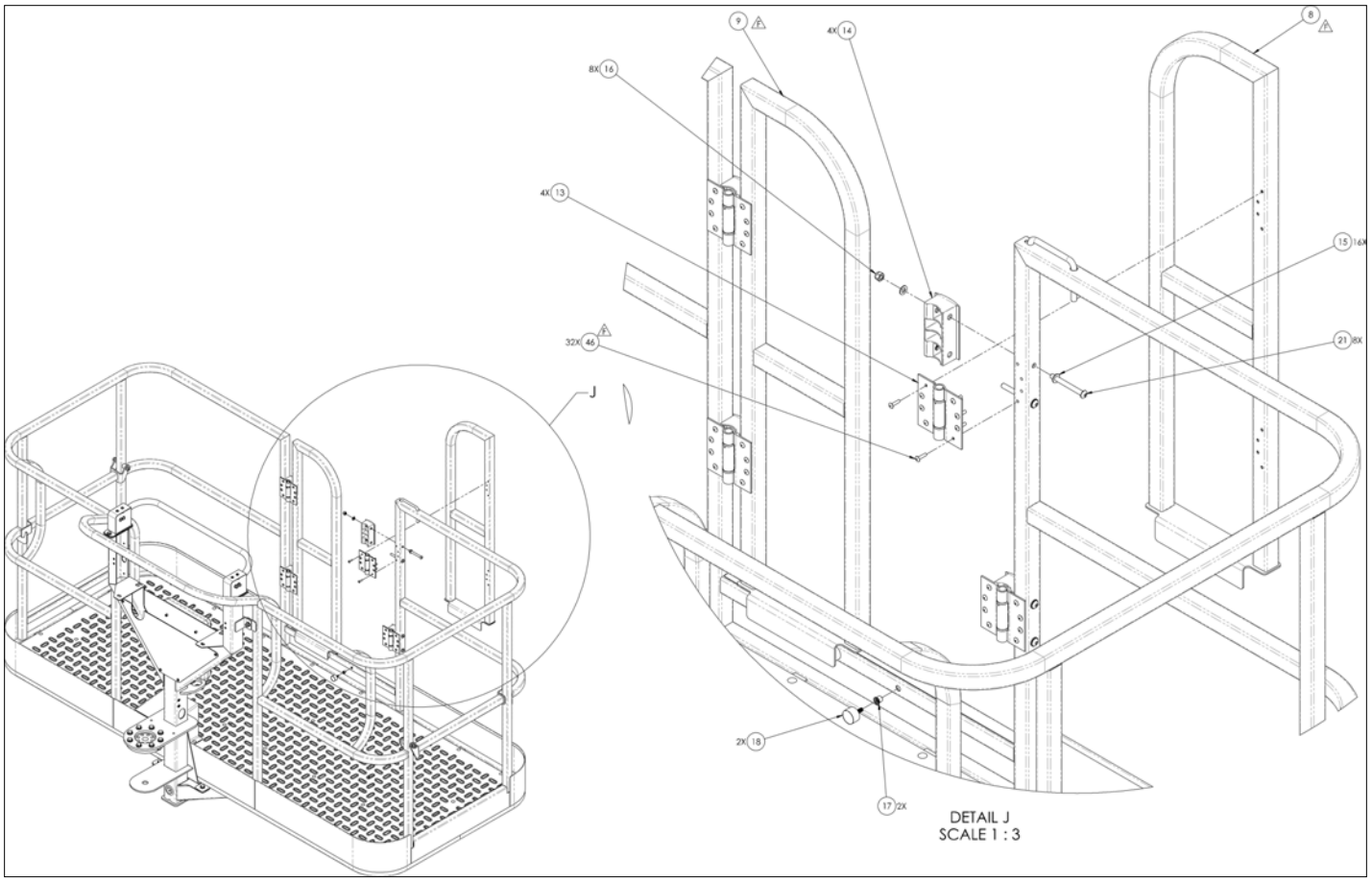

2X 33
2
1
4X 31
2X 32
30 -X
-X 29
27
31 4X
17 2X
45
32 2X
33 2X
B
4X 32
31 8X
33 4X
DETAIL B
SCALE 1 : 3
NOTES:
1 APPLY LOCTITE 242 AND TORQUE TO 70 FT-LBS (95 N-m).
2 "UP" IN RED LETTERS ON OVERLOAD PLATE (ITEM 31) SHALL BE FACING UP.
LOAD CELL PLUG TO FACE PLATFORM. CABLE ROUTED THROUGH ADJACENT POCKET.

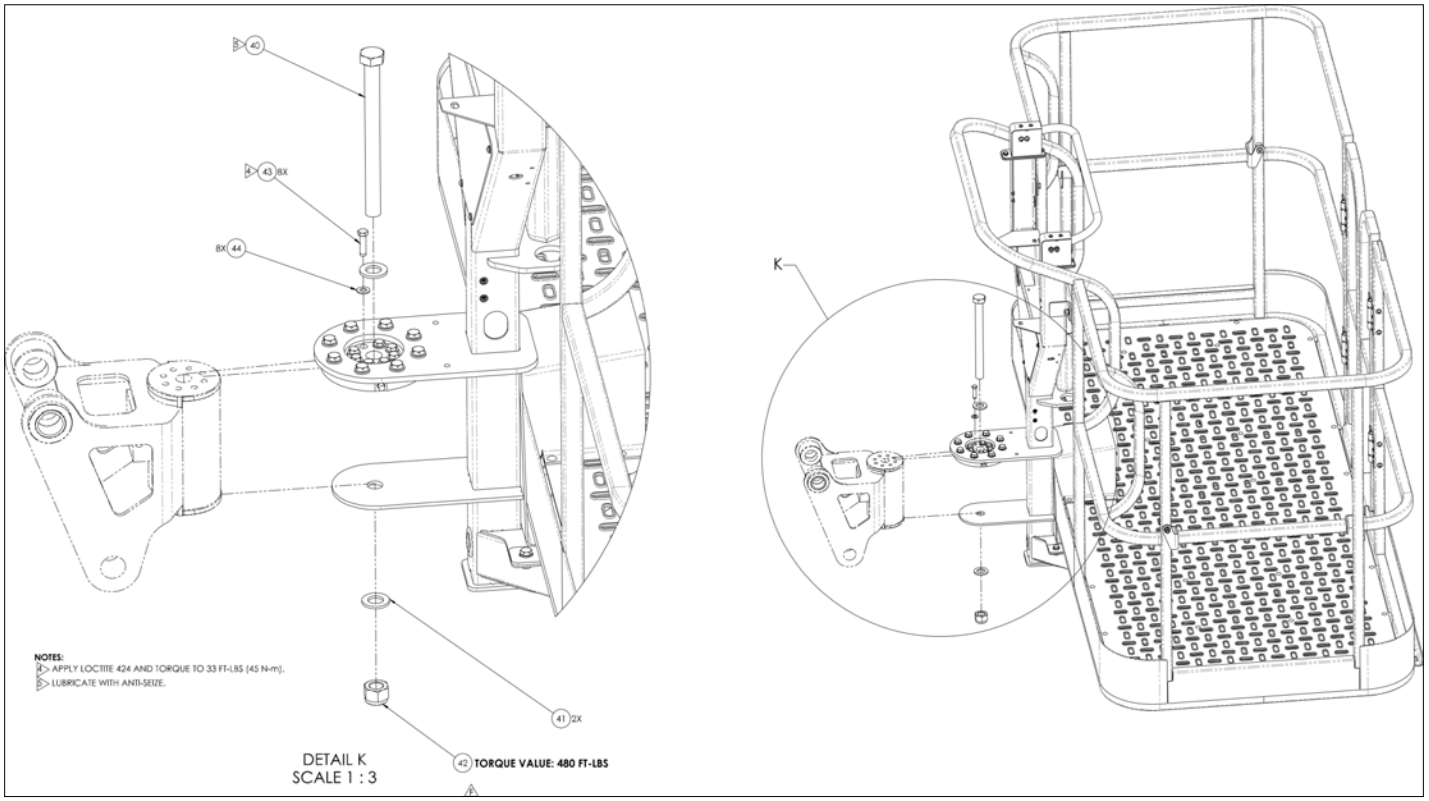

4X 22
10
4X 20
4X 20
4X 22
11
47
APPLY EDGE GUARD TO POCKET
4X 17
4X 20
4X 23
3 19
NOTES:
3 > OPEN LITERATURE COMPARTMENT (ITEM 21) TO ACCESS MOUNTING HOLES.


C
D
E
20 4X
36 4X
38
2X 39
DETAIL E
SCALE 1 : 3
WRAP FOOT SWITCH HARNESS
WITH PROTECTIVE SLEEVE AND
ZIP TIE IN PLACE
37 37X
6
39X 20
39X 36
DETAIL C
SCALE 1 : 3
3X 28
45
DETAIL D
SCALE 1 : 2


F
16 4X
15 8X
24 4X
4
22 4X
20 4X
5 2X
25
26
3 2X
34 4X
15 8X
16 4X
DETAIL F
SCALE 1 : 3


G
H
35 2X
2X 31
2X 32
7 2X
DETAIL G
SCALE 1 : 2
12
DETAIL H
SCALE 1 : 4


9
4X 14
8X 16
8
4X 13
15 6X
32X 46
21 8X
J
2X 18
17 2X
DETAIL J
SCALE 1 : 3

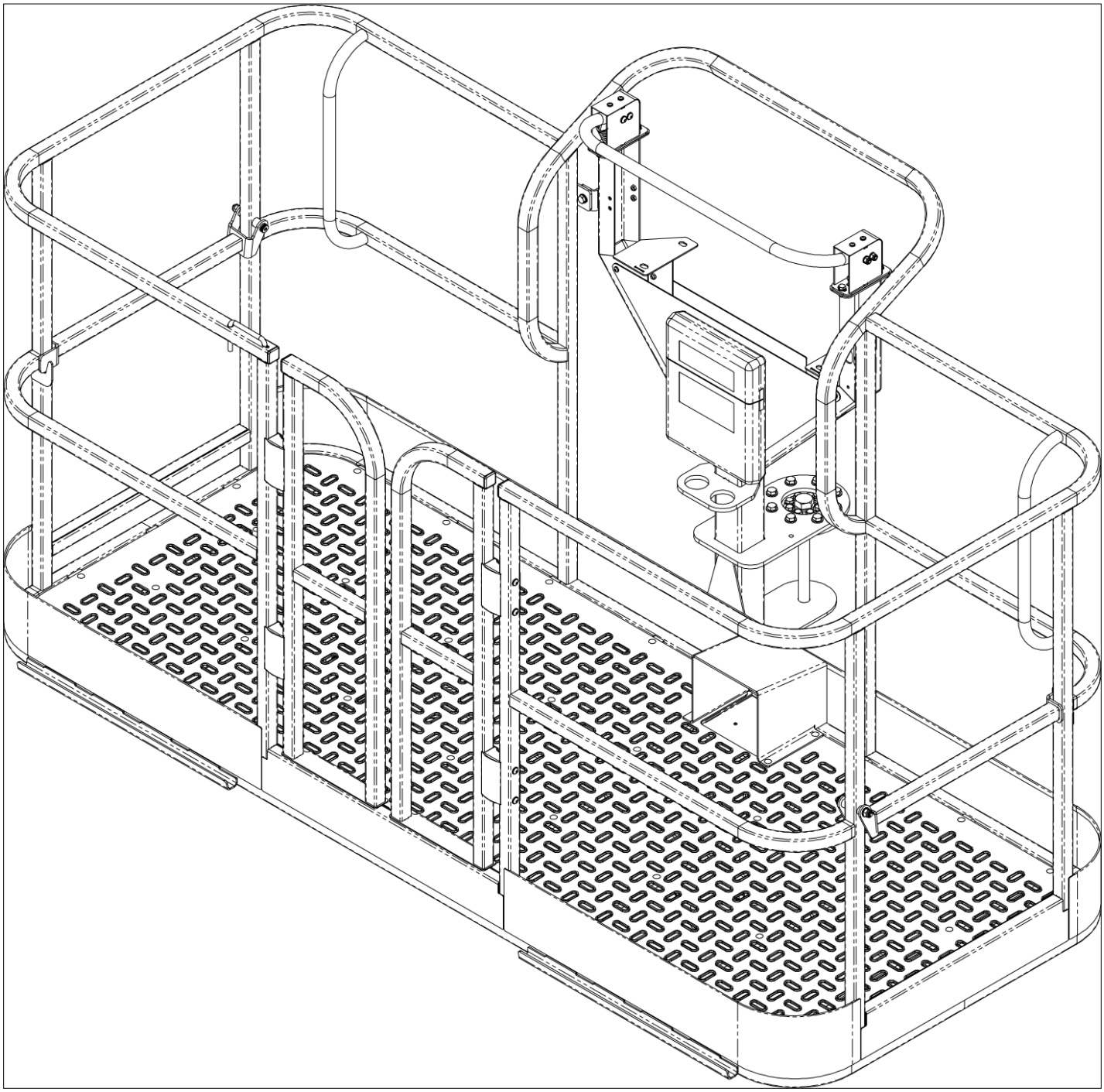

40
43 8X
8X 44
NOTES:
1> APPLY LOCTITE 424 AND TORQUE TO 33 FT-LBS (45 N-m).
2> LUBRICATE WITH ANTI-SEIZE.
41 2X
42 TORQUE VALUE: 480 FT-LBS
DETAIL K
SCALE 1 : 3
K

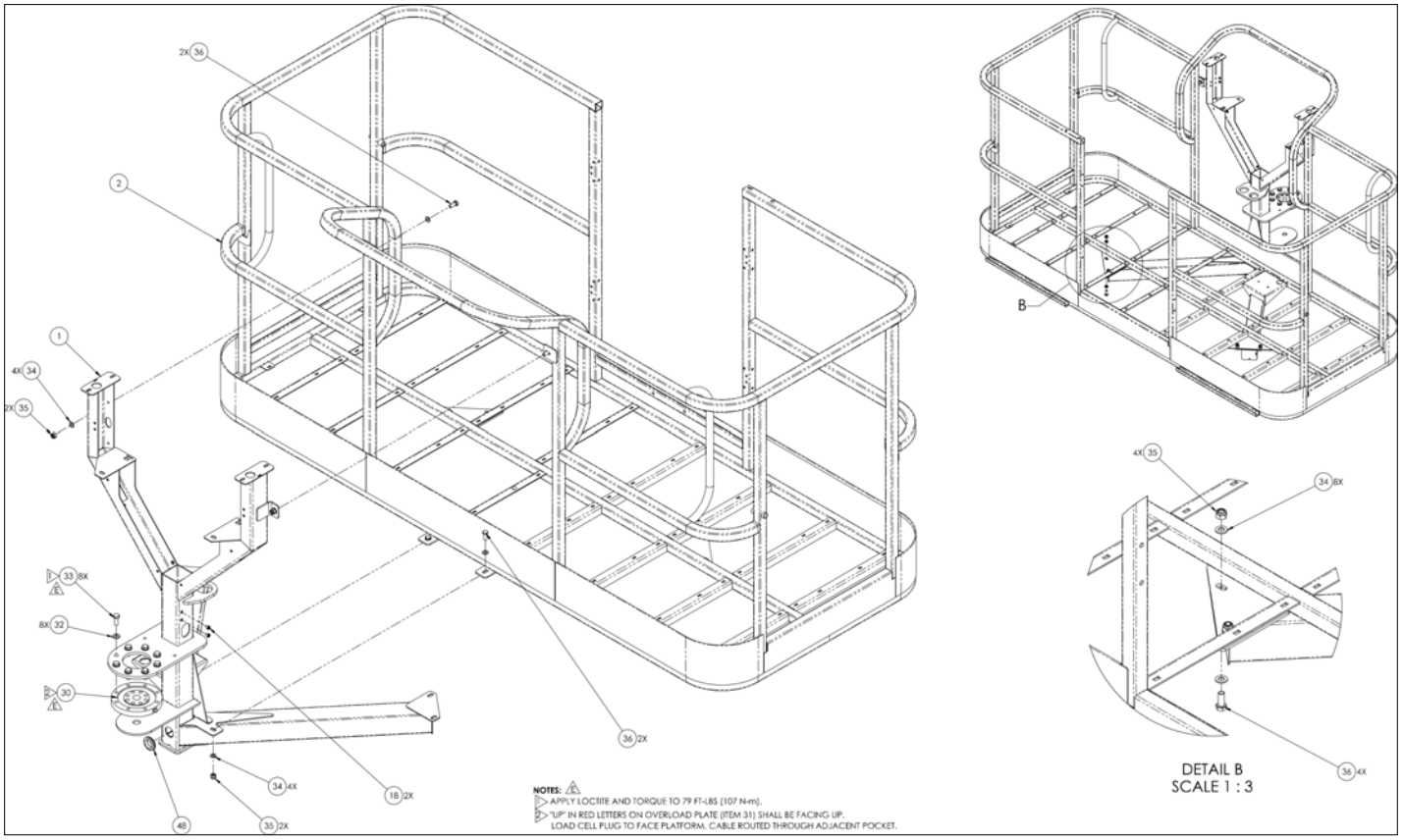
アイテム	部品番号	名前	数量	UOM
-	1433174 F	8' PLATFORM INSTALLATION ANSI CE EXPORT CSA EXPORT NOVEMBER 2019 AND AFTER		EA
1	1433081	PLATFORM MOUNT WELDMENT	1	EA
2	1434254	PLATFORM WELDMENT	1	EA
3	1433135	SNORKELGUARD SUPPORT	2	EA
4	1433131	SNORKELGUARD TUBE WELDMENT	1	EA
5	1433140	COVER, SNORKELGUARD	2	EA
6	1433147	FLOOR, PLATFORM, ALUMINUM	1	EA
7	1433141	WELDMENT, SIDE GATE	2	EA
8	1434255	SALOON GATE-LEFT	1	EA
9	1434256	SALOON GATE-RIGHT	1	EA
10	1433145	COVER, PLATFORM, REAR	1	EA
11	1433146	COVER, PLATFORM, FRONT	1	EA
12	1433148	HOOK, WELDMENT	1	EA
13	5516359	HINGE, SPRING	4	EA
14	1501844	BUMPER, GATES	4	EA
15	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	32	EA
16	056064-008	NUT HEX M8-1.25 GR10.9 SELF LOCKING DIN 985	16	EA
17	5076534	RIVET NUT-M6X1.0,4.2 GRIP	8	EA
18	5563642	BUMPER-RUBBER M6X1.0	2	EA
19	562386	Literature Compartment	1	EA
20	056069-006	WSHR STEELFLATWSHE M6 DIN125A	55	EA
21	500595-075	Bolt, SktButCapScrew DIN9427 M	8	EA
22	5563280	SBHCS M6 X 1.0 X 14 GR 12.9 ZP	12	EA
23	512630-016	BOLT, HEXBOLT DIN933 M6 x 16mm 10.9 ZINCPLATED	4	EA

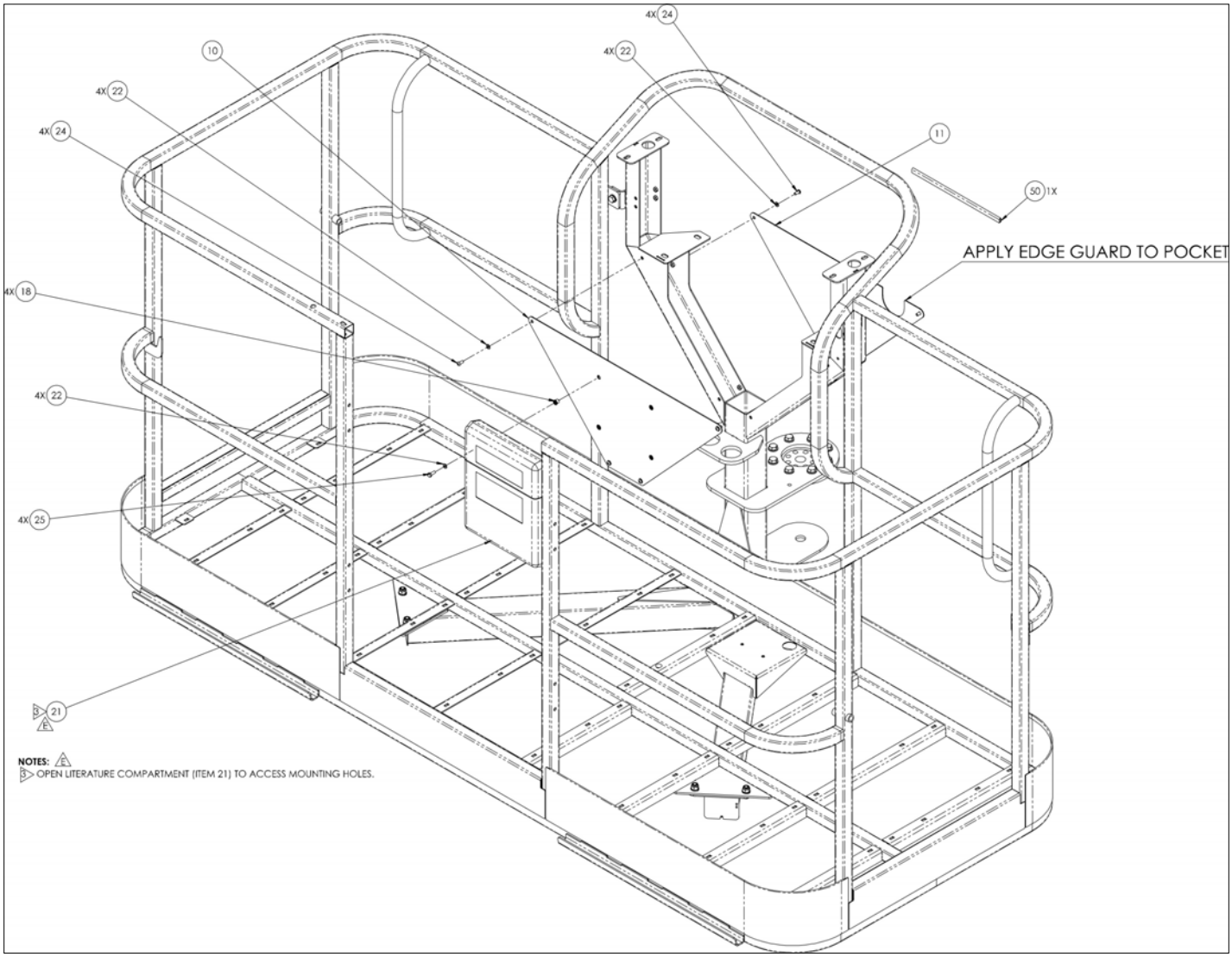
アイテム	部品番号	名前	数量	UOM
24	10504-060	BUTTON HEAD HEX M8-1.25 X 60MM	4	EA
25	3028844	IFS241 (IFM PROXY)	1	EA
26	0113530	SPRING ANTI-ENTRAPMENT	1	EA
27	3030188	OVERLOAD SENSOR PLATE	1	EA
28	3220344	CLIP-HARNESS .04-.25 THK	3	EA
29	056069-012	WASHER DIN125A M12 ZP	8	EA
30	5563508	BOLT HEXBOLT DIN931 M12 X 1.75 X 30 10.11	8	EA
31	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	18	EA
32	056064-010	Nut NylockNut DIN985 M10 10.0	10	EA
33	058493-025	HHCS M10 X 25MM GR10.9 DIN933	8	EA
34	510681-020	HHCS M8X1.25X20 G10.9 ISO 4014 DIN 933	4	EA
35	5563940	BLT SHDR SKTHD 12MMx70xM10x1.5	2	EA
36	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	39	EA
37	5563934	BLT CRG M6-1.0x16LG GR8.8 ZINCPLATED	37	EA
38	1433470	COVER-FOOTSWITCH	1	EA
39	5563980	BLT CRG M6-1.0 X 20 LG GR8.8 ZP	2	EA
40	512649-280	BOLT,HexBolt,DIN931,M24 x 280m	1	EA
41	510595-024	WASHER, FLAT M24 DIN 125	2	EA
42	056064-024	Nut, NylockNut DIN985 M24 10.0	1	EA
43	5563422	BLT HEXHD .375-16x1.50 GR8 ZP	8	EA
44	5560222	WSHR FLAT HARD .375 SP	8	EA
45	5563883	GROMMET 1.5 ID X 1.875OD	1	EA

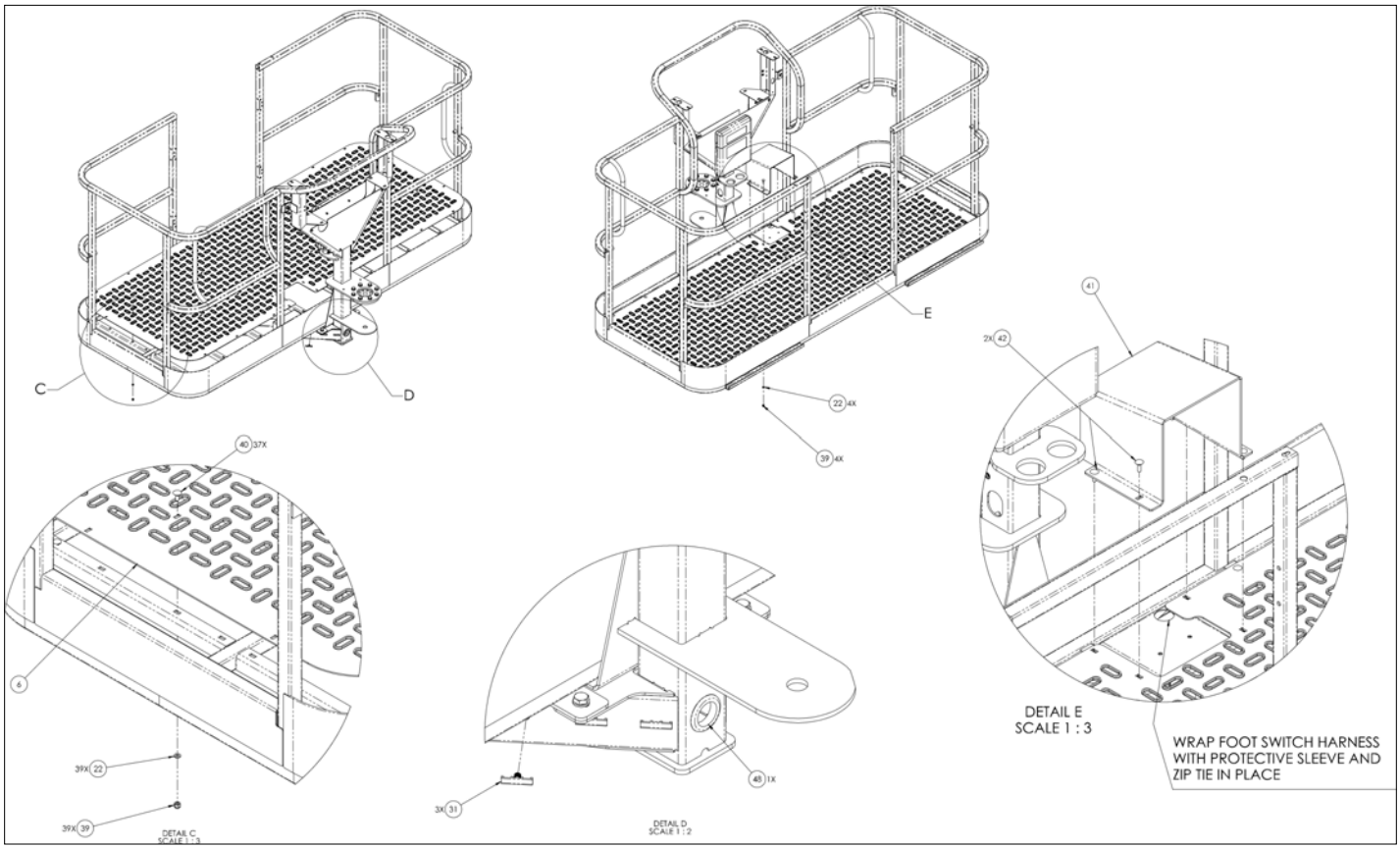
アイテム	部品番号	名前	数量	UOM
46	5563973	POP RIVET .188 X .13 -.25 ST	32	EA
47	9920035	TRIMSEAL X3/16G TRIM LOK	1	EA

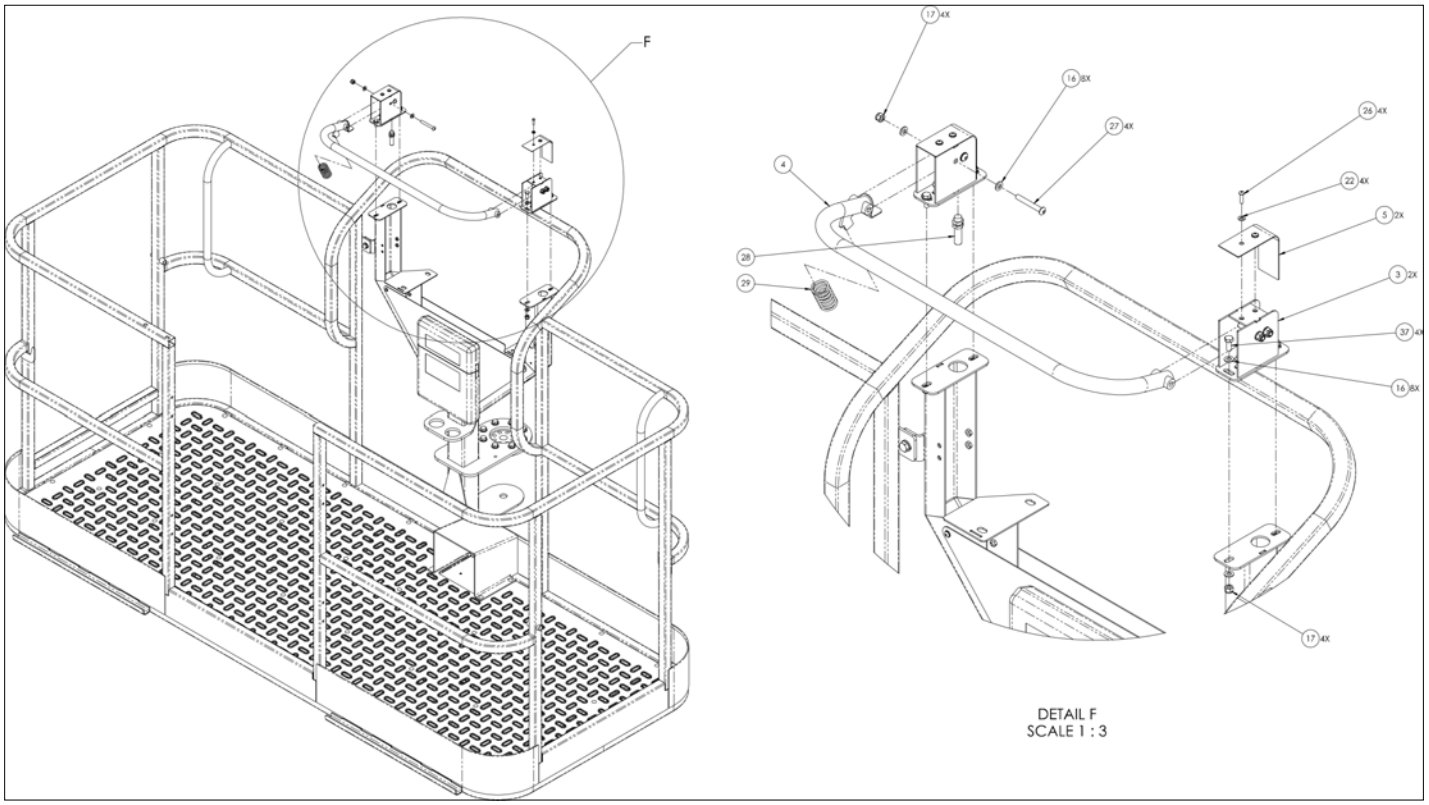
OPTIONS

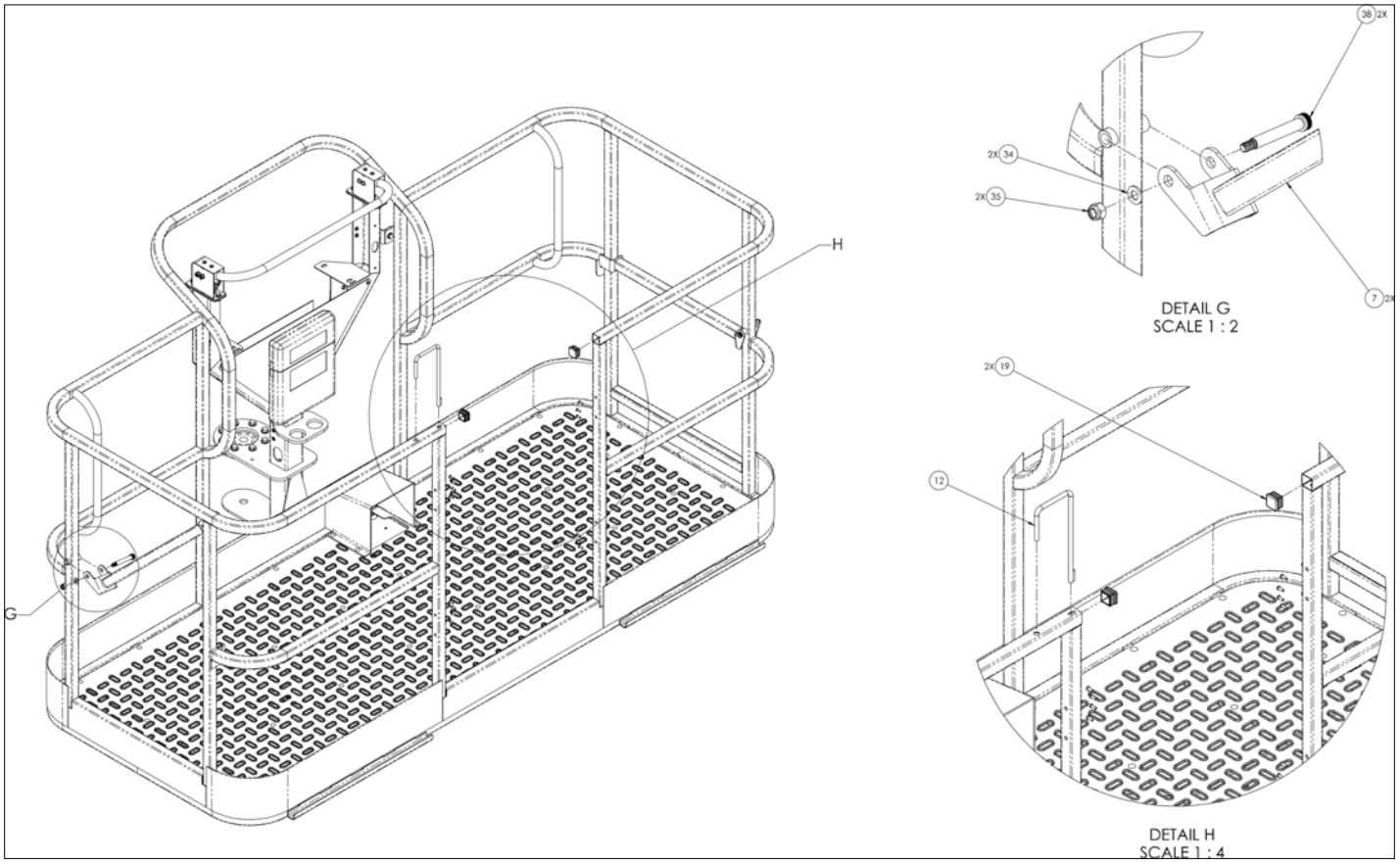


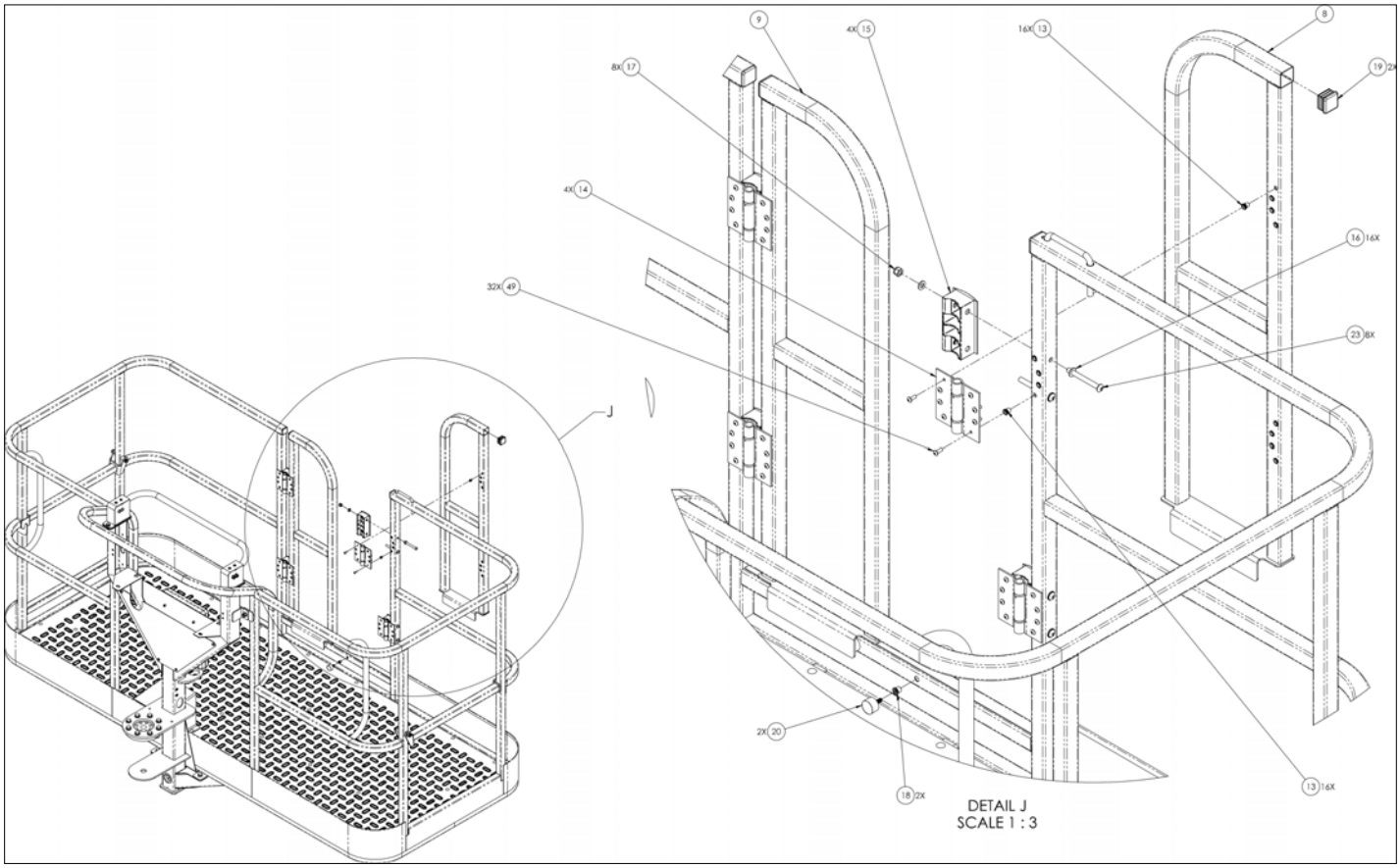

2X 36
2
1
4X 34
2X 35
33 8X
8X 32
30
48
34 4X
35 2X
18 2X
36 2X
B
4X 35
34 8X
36 4X
DETAIL B
SCALE 1 : 3
NOTES:
1. APPLY LOCTITE AND TORQUE TO 79 FT-LBS (107 N-m).
2. "UP" IN RED LETTERS ON OVERLOAD PLATE (ITEM 31) SHALL BE FACING UP.
LOAD CELL PLUG TO FACE PLATFORM. CABLE ROUTED THROUGH ADJACENT POCKET.

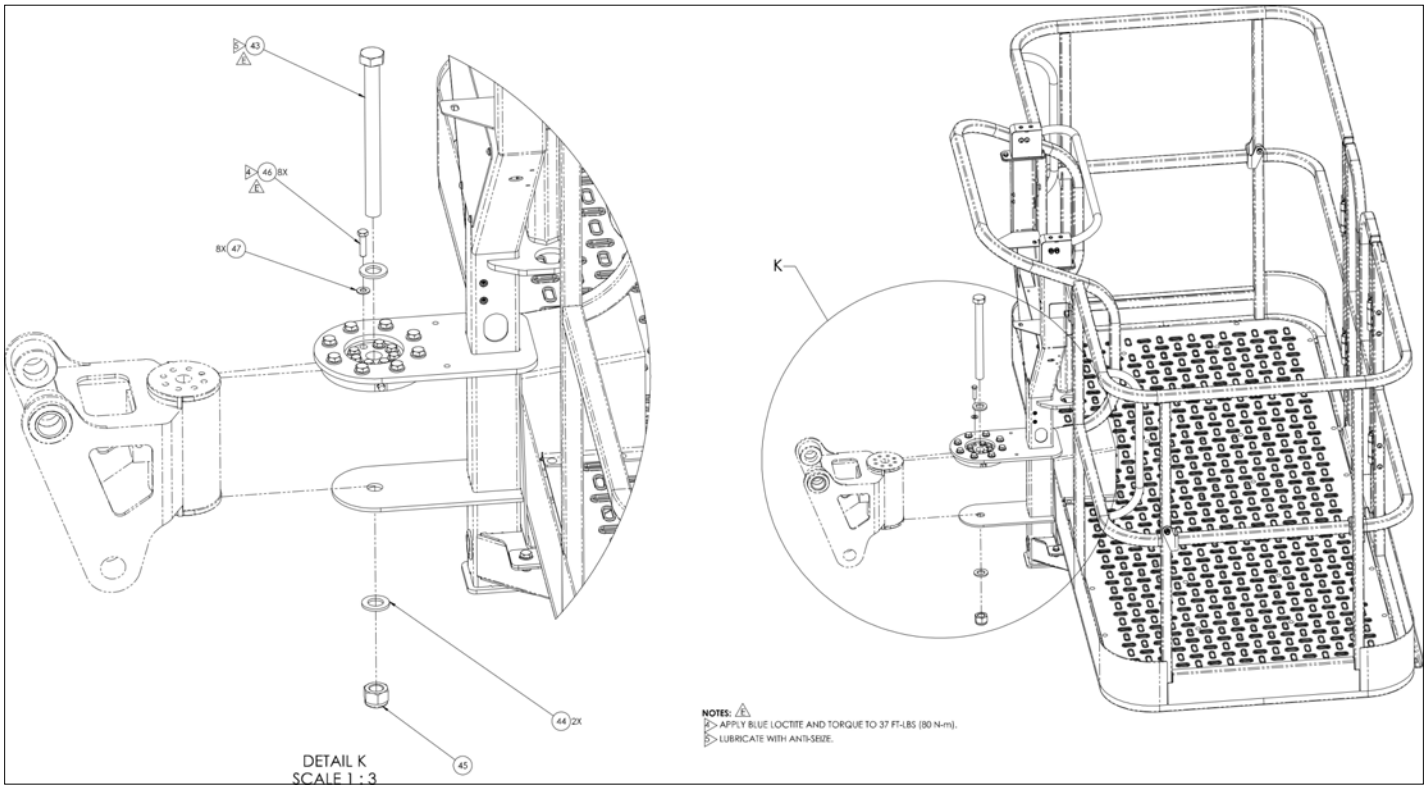

4X 24
10
4X 22
4X 22
4X 24
11
50 1X
APPLY EDGE GUARD TO POCKET
4X 18
4X 22
4X 25
3 E 21
NOTES:
3 OPEN LITERATURE COMPARTMENT (ITEM 21) TO ACCESS MOUNTING HOLES.


C
D
E
22 4X
39 4X
40 37X
6
39X 22
39X 39
DETAIL C
SCALE 1 : 3
3X 31
48 1X
DETAIL D
SCALE 1 : 2
41
2X 42
DETAIL E
SCALE 1 : 3
WRAP FOOT SWITCH HARNESS
WITH PROTECTIVE SLEEVE AND
ZIP TIE IN PLACE


F
17 4X
16 8X
27 4X
26 4X
22 4X
4
5 2X
28
29
3 2X
37 4X
16 8X
17 4X
DETAIL F
SCALE 1 : 3


H
G
38 2X
2X 34
2X 35
7 2X
DETAIL G
SCALE 1 : 2
2X 19
12
DETAIL H
SCALE 1 : 4


9
4X 15
16X 13
8
8X 17
19 2X
4X 14
16 16X
32X 49
23 8X
J
2X 20
18 2X
13 16X
DETAIL J
SCALE 1 : 3


43
46 8X
8X 47
44 2X
45
DETAIL K
SCALE 1 : 3
K
NOTES:
2> APPLY BLUE LOCTITE AND TORQUE TO 37 FT-LBS (80 N-m).
5> LUBRICATE WITH ANTI-SEIZE.

アイテム	部品番号	名前	数量	UOM
-	1433174 E	PLATFORM INSTALLATION, 8 FOOT WIDE ANSI CE EXPORT CSA EXPORT		EA
1	1433081	PLATFORM MOUNT WELDMENT	1	EA
2	1433100	PLATFORM WELDMENT	1	EA
3	1433135	SNORKELGUARD SUPPORT	2	EA
4	1433131	SNORKELGUARD TUBE WELDMENT	1	EA
5	1433140	COVER, SNORKELGUARD	2	EA
6	1433147	FLOOR, PLATFORM, ALUMINUM	1	EA
7	1433141	WELDMENT, SIDE GATE	2	EA
8	1433152	SALOON GATE, LEFT	1	EA
9	1433157	SALOON GATE, RIGHT	1	EA
10	1433145	COVER, PLATFORM, REAR	1	EA
11	1433146	COVER, PLATFORM, FRONT	1	EA
12	1433148	HOOK, WELDMENT	1	EA
13	10001218	NUTSERT M5-0.8 X 3.3 GRIP	32	EA
14	5516359	HINGE, SPRING	4	EA
15	1501844	BUMPER, GATES	4	EA
16	056069-008	WASHER, STEELFLATWASHER DIN12M8 FLAT WASHER DIN 125	32	EA
17	056064-008	NUT HEX M8-1.25 GR10.9 SELF LOCKING DIN 985	16	EA
18	5076534	RIVET NUT-M6X1.0,4.2 GRIP	8	EA
19	5563881	CAP 1.25"X14-20GA SQ TUBE	4	EA
20	5563642	BUMPER-RUBBER M6X1.0	2	EA
21	562386	Literature Compartment	1	EA
22	056069-006	WSHR STEELFLATWSHE M6 DIN125A	55	EA
23	500595-075	Bolt, SktButCapScrew DIN9427 M	8	EA

アイテム	部品番号	名前	数量	UOM
24	5563280	SBHCS M6 X 1.0 X 14 GR 12.9 ZP	8	EA
25	512630-016	BOLT, HEXBOLT DIN933 M6 x 16mm 10.9 ZINCPLATED	4	EA
26	505082-020	Bolt, SktButCapScrew DIN9427 M5 x 20mm 10.9 ZincPlated	4	EA
27	10504-060	BUTTON HEAD HEX M8-1.25 X 60MM	4	EA
28	3028844	IFS241 (IFM PROXY)	1	EA
29	0113530	SPRING ANTI-ENTRAPMENT	1	EA
30	3030188	OVERLOAD SENSOR PLATE	1	EA
31	3220344	CLIP-HARNESS .04-.25 THK	3	EA
32	056069-012	WASHER DIN125A M12 ZP	8	EA
33	5563508	BOLT HEXBOLT DIN931 M12 X 1.75 X 30 10.11	8	EA
34	056069-010	Washer, SteelFlatWasher DIN125A M10 ZincPlated	18	EA
35	056064-010	Nut NylockNut DIN985 M10 10.0	10	EA
36	058493-025	HHCS M10 X 25MM GR10.9 DIN933	8	EA
37	510681-020	HHCS M8X1.25X20 G10.9 ISO 4014 DIN 933	4	EA
38	5563940	BLT SHDR SKTHD 12MMx70xM10x1.5	2	EA
39	056064-006	NUT NYLOCK DIN985 M6 10.0 ZP	39	EA
40	5563934	BLT CRG M6-1.0x16LG GR8.8 ZINCPLATED	37	EA
41	1433470	COVER-FOOTSWITCH	1	EA
42	5563980	BLT CRG M6-1.0 X 20 LG GR8.8 ZP	2	EA
43	512649-280	BOLT,HexBolt,DIN931,M24 x 280m	1	EA
44	510595-024	WASHER, FLAT M24 DIN 125	2	EA

アイテム	部品番号	名前	数量	UOM
45	056064-024	Nut, NylockNut DIN985 M24 10.0	1	EA
46	5563422	BLT HEXHD .375-16x1.50 GR8 ZP	8	EA
47	5560222	WSHR FLAT HARD .375 SP	8	EA
48	5563883	GROMMET 1.5 ID X 1.875OD	1	EA
49	5563981	SBHCS M5 X .8 X 14 GR 10.9 ZP	32	EA
50	9920035	TRIMSEAL X3/16G TRIM LOK	1	EA

Maintenance

Every person who maintains, inspects, tests or repairs the aerial platform must be qualified to do so. Maintenance functions must be performed by maintenance personnel who are qualified to work on the aerial platform.

⚠Caution

Welding current can be very intense. Damage to electronic components can result. Connect the ground clamp as close as possible to the area being welded. Disconnect the battery cables and any microprocessors and engine control modules before welding on the machine.

If it becomes necessary to weld aerial platform components as a method of repair, take all precautions to prevent damage to electronic circuitry and devices on the machine. This includes, but may not be limited to, disconnecting battery cables and electronic devices.

Do not modify this aerial platform without prior written consent of the Snorkel Engineering Department. Modification may void the warranty, adversely affect stability or affect the operational characteristics of the aerial platform.

Maintenance Schedules

Snorkel has established a preventative maintenance schedule to detect any defective, damaged or improperly secured parts and provide information regarding lubrication and other minor maintenance items.

This schedule includes the following:

- Daily Prestart Inspection
- Frequent Inspection and Maintenance – Every 90 Days or 150 Hours
- Annual Maintenance – Every 500 Hours

The Daily Prestart Inspection must be performed by a trained operation. All other maintenance and inspection must be performed by a trained service technician only. Retain a copy of these forms for your records.

All placards and decals on the machine must be in place and legible. Use the Placards and Decals parts page in the Repair Parts section of this manual to check these placards and decals.

Snorkel recommends that you make additional copies of the preventative inspection and maintenance checklists for your use in performing these inspections.

⚠Warning

The potential for accident increases when operating an aerial platform that is damaged or malfunctioning. Death or serious injury can result from such accidents. Do not operate the aerial platform if it is damaged or malfunctioning.

Repair all defects before returning the machine to service.

General Information

The parts drawings located in the Repair Parts section are designed for use as a guide for proper disassembly of the machine and components, as well as, for parts replacement.

⚠Danger

Hydraulic fluid escaping under pressure can have enough force to inject fluid into the flesh. Serious infection or reaction will result if medical treatment is not given immediately. In case of injury by escaping hydraulic fluid, seek medical attention at once.

Always refer to the hydraulic system installation drawings and the electrical wiring diagram before removing or disassembling associated parts.

When disassembling or reassembling components, complete the procedural step in sequence. Do not partially disassemble or assemble one part, then start on another. Always check your work to assure that nothing has been overlooked.

Keep the following in mind when disassembling or assembling the machine.

- Always be conscious of weight.
- Never attempt to lift heavy objects without the aid of a mechanical device.
- Do not allow heavy object to rest in an unstable condition.
- Always make sure the work platform is in the stowed position, blocked or the weight removed by a suitable lifting device before removing any components from the machine.
- When raising a portion of the machine, be sure that adequate blocking is properly positioned. Do not depend solely on the lifting device to hold and secure weight.
- If a part resists removal, check to see if all fasteners, electrical wiring, hydraulic lines, etc., have been removed or that other parts are not interfering.

Parts should be thoroughly inspected before restoring to service at the time of reassembly. Burrs, nicks or scratches may be removed from machines surfaces by honing or polishing with a #600 crocus cloth, followed by a thorough cleaning with an approved cleaning solvent, and blown dry with compressed air. Do not alter the contour of any part. If this operation does not restore the part to a serviceable condition, replace the part.

Replace all o-rings, seals and gaskets at reassembly. Use new roll pins or cotter pins. Dip all packing rings and seals in hydraulic oil before reassembling in cylinder and manifolds. Replace any part having imperfect threads. In general, machines that have been disassembled can be reassembled by reversing the order of disassembly.

The service life of a machine can be increased by keeping dirt and foreign materials out of the vital components. Shields, covers, seals and filters help to keep air and oil supplies clean. However, these items must be maintained on a scheduled basis in order to function properly.

Clean surrounding areas, as well as the opening and fittings before disconnecting air or oil lines. As soon as a line or component is disconnected, cap or cover all openings to prevent the entry of dirt or foreign materials.

New parts should remain in their container until they are ready to be used.

Clearly mark or tag hydraulic lines and electrical wiring connections when disconnecting or removing them from the machine. This will assure that they are correctly reinstalled.

Proper assembly is critical to the successful rebuilding of any machine. Carefully, inspect any parts which are to be reused. If in doubt, replace.

“Safety First” is a good slogan.

Replace any guards and protective devices that have been removed to carry out maintenance and repair work.

Daily Prestart Inspection

Item	Inspect For	P/F/R
Operator's Manual	In place, all pages readable and intact	
Engine		
Oil level	Between full and add marks	
Coolant	Proper fluid level	
Radiator	Cap tight, good condition and clean	
Fuel tank and line	Tank full, cap in place and tight/no leaks	
Electrical System		
Batteries	Condition and charged for proper operation	
Battery fluid level and terminals	Proper level/clean, connectors tight	
Cables and wiring harness	No wear or physical damage	
Hydraulic System		
Fluid level	Between full and add marks	
Hoses, tubes, and fittings	No leaks	
Cold weather warm-up	Proper operation	
Tires		
Foam filled	Good condition	
Wheels	All wheel lug nuts present and properly torqued	
Lower Control Station		
Operating controls	Proper operation	
Emergency stop and emergency power	Shuts off lower controls/proper operation	
Level Sensor	Sounds tilt alarm	
Flashing Light	Proper operation	
Structures		
Weldments – Chassis, turntable, booms, platform, etc.	Welds intact, no damage or deformation	
Slide pads	In place, no damage or deformation	
Fasteners	In place and tight	
Upper Control Station		
Guardrail system and fall protection anchors	Welds intact, no damage or deformation	
Operating controls – Boom functions, drive, brakes, etc.	Proper operation/drive motion alarm sounds	
Emergency stop and emergency power	Shuts off upper controls/proper operation	
Horn	Sounds when activated	
Snorkel Guard	Proper operation	
Electrical power outlet – GFCI	Proper operation	
Level Sensor	Sounds tilt alarm	
Drive Motion Alarm	Sounds when machines is driven	
Sandblast Protection Kit	In place and proper operation	
Air Line to Platform	No damage or deformation, caps in place	
Drive and Working Lights	No damage or deformation, proper operation	
Tow Kit	In place, no damage or deformation	
Platform Glazier Package	No damage or deformation of trays, pins, and straps	
Platform Welder/Generator	No damage or deformation, proper operation	
Placards and Decals	In place and readable	

Checklist Key: P = Pass/Acceptable, F = Fail/Not Acceptable, R = Repaired/Acceptable

Performed by:_____ Date:_____

Model Number:_____ Serial Number:_____

Frequent Inspection and Maintenance – Every 90 Days or 150 Hours

Item	Procedure	Information	OK
Chassis			
Structural	Check for damage and cracked welds		
Steering cylinder pin retainers	Verify that all fasteners are in place and are tight		
Steering linkage	Check for proper operation		
Tires	Check for wear and damage		
Hydraulic tubes and hoses	Check for leaks, wear, and damage		
Drive motor brake	Check for proper operation		
Torque drive and steer wheel lug nuts per placard on wheel	Torque lug bolts/nuts to proper value on machine placard	Front: 180 to 200 ft lb Rear: 180 to 200 ft lb	
Right drive motors	Check for leaks		
Left drive motors	Check for leaks		
Tie-down and lifting lugs	Check for damage and cracked welds		
Decals and placards	Check for damage and readability Order replacements as necessary		
Turntable			
Structural	Check for damage and cracked welds		
Torque turntable top bolts	Torque to proper value	340 ft lbs	
Torque turntable bottom bolts	Torque to proper value	240 ft lbs	
Hydraulic tubes and hoses	Check for leaks, wear, and damage		
Centerpost	Check for leaks, wear, and damage		
Centerpost mounting bolts	Verify that all fasteners are in place and are tight		
Lift cylinder pin caps and tie wire	Verify that all fasteners are in place and are tight		
Lift cylinder and holding valve	Check for leaks, wear, damage, and for proper operation		
Master level cylinder pin caps and tie wire	Verify that all fasteners are in place and are tight		
Master level cylinder and holding valves	Check for leaks, wear, damage, and for proper operation		
Cowling	Check for wear/damage and that fasteners are in place and are tight		
Wire harness	Check for wear/damage and that fasteners are in place and are tight		
Rotation brake	Check for proper operation		
Rotation backlash	Check for wear and damage		
Operator's Manual	Proper manual in document holder		
System pressure	Check maximum system pressure	4,500 psi	
Decals and placards	Check for damage and readability Order replacements as necessary		

Frequent Inspection and Maintenance – Every 90 Days or 150 Hours

Item	Procedure	Information	OK
Lower Controls			
Control switch in the lower controls position	Check for proper operation	With selector in the lower controls position, upper controls do not work	
Station selector switch in the upper controls position	Check for proper operation	With selector in the upper controls position, lower controls do not work	
Engine Start – Stop	Check for proper operation		
Throttle High – Low	Check for proper operation		
Turntable CW – CCW	Check for proper operation		
Boom elevation Up – Down	Check for proper operation		
Boom Extend – Retract	Check for proper operation		
Platform level Up – Down	Check for proper operation		
Platform rotation CW – CCW	Check for proper operation		
Emergency power, all functions	Check for proper operation		
Emergency stop	Check for proper operation		
Booms			
Structural	Check for damage and cracked welds		
Lift cylinder pin caps and tie wire	Verify that all fasteners are in place and are tight		
Hydraulic tubes and hoses	Check for leaks, wear, and damage		
Extension cylinder pin caps and bolt retainer	Verify that all fasteners are in place and are tight		
Extension cylinder and holding valve	Check for leaks, wear, damage, and for proper operation		
Slave level cylinder pin caps and tie wire	Verify that all fasteners are in place and are tight		
Slave level cylinder and holding valves	Check for leaks, wear, damage, and for proper operation		
Hose carrier tube and support	Check for residue buildup/proper operation		
Plastic hose track	Check for wear and damage		
Electrical wires	Check for wear and damage		
Decals and placards	Check for damage and readability Order replacements as necessary		
Extension System			
Cylinder pins/fittings	Check for wear and damage		

Frequent Inspection and Maintenance – Every 90 Days or 150 Hours

Item	Procedure	Information	OK
Platform			
Structural	Check for damage and cracked welds		
Entry Gate	Check for proper operation		
Hydraulic tubes and hoses	Check for leaks, wear, and damage		
Slave level cylinder pin caps and tie wire	Verify that all fasteners are in place and are tight		
Slave level cylinder holding valves	Check for leaks, wear, damage, and for proper operation		
Decals and placards	Check for damage and readability Order replacements as necessary		
Upper Control Station			
Foot switch	Check for proper operation	Functions should be operational when foot switch is engaged	
Engine Start – Stop	Check for proper operation		
Throttle High – Low	Check for proper operation		
Turntable CW – CCW	Check for proper operation		
Boom elevation Up – Down	Check for proper operation		
Boom Extend – Retract	Check for proper operation		
Platform level Up – Down	Check for proper operation		
Platform rotation CW – CCW	Check for proper operation		
Drive speed – forward direction	Boom up and/or extended ANSI Low – 0.75 mph CE/AS/NZS – 0.5 mph	0.75 mph = 100 ft in 90 to 100 sec 0.5 mph = 100 ft in 136 to 146 sec	
	Boom down and retracted High – 3.5 mph	4.25 mph = 100 ft in 16 to 18 sec	
Drive range – boom stowed	Check for proper operation	Slow speed only with boom raised	
Engine choke – gas engine only	Check for proper operation		
Emergency power, all functions	Check for proper operation		
Emergency stop	Check for proper operation		
Horn	Check for proper operation		
Gradual start to stop lift/swing/ drive controls	Check for proper operation		
Speed limit switch	Check for proper operation		
Tilt alarm	Check for proper operation	5° ANSI/CSA 3.5° CE/AS/NZS	
110 volt AC power to platform	Check for proper operation		
Hydraulic Oil Reservoir			
Filler/breather cap and tank	Check for wear/securely fasten		
Hydraulic fluid level	Check for proper level	Above 10° F (-13° C) ISO VG32 Below 10° F (-13° C) ISO VG15	
Hydraulic filter	Replace after the first 50 hours, every 90 days or 150 hours thereafter Inspect filter for foreign matter that could indicate component wear		

Frequent Inspection and Maintenance – Every 90 Days or 150 Hours

Item	Procedure	Information	OK
Engine			
Charging system	Check for proper operation		
Air filter	Check for wear and damage		
Hour meter	Check for proper operation		
Belts and hoses	Check for wear and damage		
Hydraulic pump	Check for proper operation		
Battery terminals	Clean terminals and check cable condition		
Battery voltage	Check for proper voltage		
Indicator gauges	Check for wear/damage and proper operation		
Engine oil	Check for wear and damage/level	Between add and full	
Engine coolant	Check level	Between add and full	
Engine Start – Stop	Check for proper operation		
Electric throttle	Check for proper operation		
Electric choke, if equipped	Check for proper operation		
Engine governor setting	Check for proper operation		
Platform Rotator			
Structural	Check for damage and cracked welds		
Hydraulic rotator actuator	Check for leaks, wear, and damage		
Platform rotation holding valve	Check for proper operation		
Mounting bolts and pin caps	Verify that all fasteners are in place and are tight		
Options			
110 volt AC generator	Check for proper operation		
220 volt AC generator	Check for proper operation		
Dual fuel system	Check condition and for proper operation		
LP gas system and control	Check condition and for proper operation		
Drive motion alarm	Check for proper operation		
Flashing light	Check for proper operation		
Cold weather start kit – diesel only	Check for proper operation		
Hydraulic system cold weather warm up kit	Check for proper operation		
Driving lights	Check for proper operation		
Platform work lights	Check for proper operation		
Platform control cover	Check condition and for proper operation		
Sandblast protection kit	Check for proper operation		
Airline to platform	Check for proper operation		
Spark arrestor muffler – Deutz only	Check for wear and damage		
Platform welder	Check condition and for proper operation		
Platform glazier package	Check condition and for proper operation		
Optional platform	Verify that all fasteners are in place and are tight		

Frequent Maintenance – Every 90 Days or 150 Hours

Item	Procedure	Information	OK
Daily maintenance	Perform maintenance as per schedule	Retain copy of checklist	
Preventive inspection maintenance checklist	Perform inspection, complete form	Retain copy of checklist	
Placards and decals inspection	Inspect using drawing and parts listing in Section 1 – Repair Parts Manual	Replace any missing or unreadable decals/placards	
Door hinges and latches	Lubricate	SAE 10W oil or spray lubricant	
Rotation bearing	Lubricate	Extreme pressure grease Above 10° F NLGI Grade 2 Below 10° F NLGI Grade 1	
Rotation bearing teeth and pinion	Lubricate	Open gear lubricant ASTM D 445	
Tie rods	Lubricate	Extreme pressure grease Above 10° F NLGI Grade 2 Below 10° F NLGI Grade 1	
Gear hubs	Check fluid level, fill if low	Gear lubricant SAE grade 80W-90	
Swing drive	Check fluid level, fill if low	Gear lubricant SAE grade 80W-90	
Platform rotator	Refill if disassembled for repairs	Consult factory	
Platform controller	Check smooth operation/speeds		
Batteries	Check specific gravity	1.260/1.275 at 80° F (26° C)	
Hydraulic return filter	Check condition	Replace if dirty	
Engine rpm	Check for proper engine rpm	See engine owner's manual	
Engine oil and filter	Replace per engine owner's manual	See engine owner's manual	
Engine fuel filter	Check condition	Replace every 6 months or if dirty	

Performed by: _____ Date: _____

Annual Maintenance – Every 500 Hours

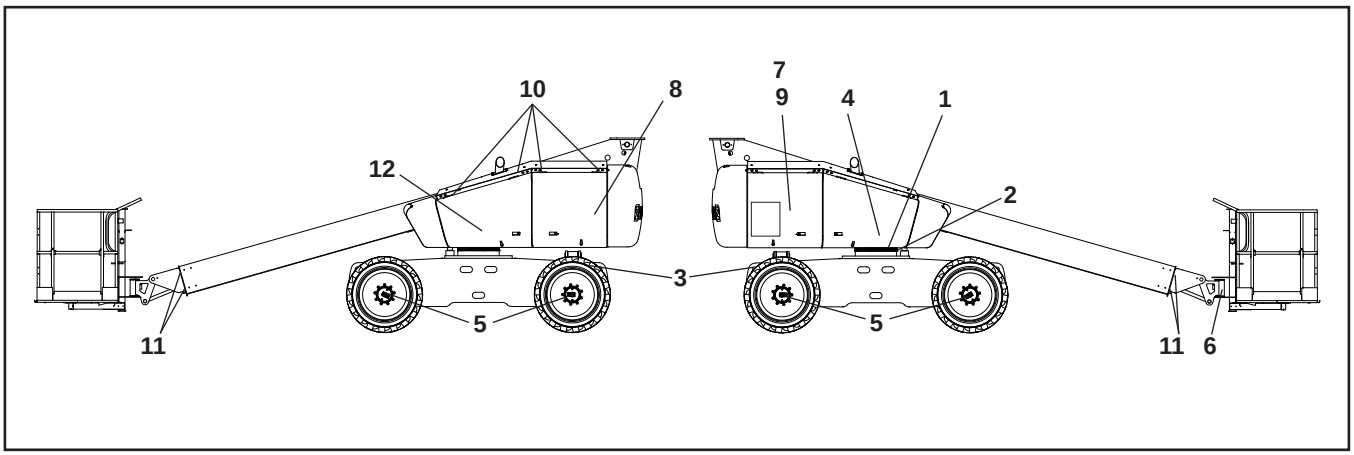
Item	Procedure	Information	OK
90 day or 150 hour maintenance	Perform maintenance per schedule	Retain copy of checklist	
Hydraulic oil reservoir	Clean and replace fluid	Above 10° F (-13° C) ISO VG32 Below 10° F (-13° C) ISO VG15	
Hydraulic return filter	Replace	After first 50 hours, then at recommended interval	
Hydraulic high pressure filter	Clean and reinstall		
Hydraulic pressures	Pump setting	System pressure: 4,500 psi	
	Function pressures	Boom up: 2,900 psi	
		Boom down: 1,800 psi	
		Steer: 2,900 psi	
		Level: 2,900 psi	
		Extend: 2,200 psi	
		Retract: 2,900 psi	
		Swing: 1,450 – 1,550 psi	
Gear hubs	Replace fluid	Gear lubricant SAE grade 80W-90	
Swing drive	Replace fluid	Gear lubricant SAE grade 80W-90	
Engine coolant	Check condition	See engine owner's manual	

Performed by:_____ Date:_____

Major Repairs

Date	Part Number	Part Description	Repair Performed

Lubrication Points



Lubrication
Specific lubricants as recommended by Snorkel, should be used in maintaining the unit. If in doubt regarding the use of lubricants other than those listed, contact Snorkel Customer Service Department for evaluation and recommendation.

Refer to the above lubrication illustration to locate component item numbers.

Service all fittings as indicated on the Frequent Maintenance schedule and lubrication illustration. Wipe away all excess lubricant from exposed surfaces. Over lubrication can collect dirt and foreign matter which acts as an abrasive. Lubrication of accessory equipment should be in accordance with the manufacturer's recommendations.

Rotation Bearing
Rotation bearing – Item 1. Pressure gun lubricate bearing at recommended interval using lubricant as outlined in the maintenance schedule. Rotate while lubricating. The lubrication fitting is located on the turntable below the lower controls.

Rotation Gear Teeth and Pinion
Rotation gear teeth and pinion – Item 2. Gear teeth and gear box pinion should be lubricated with a spray-on type open gear lubricant.

Tie Rods
Tie rods – Item 3. Lubricate at recommended interval using lubricant as outlined in the maintenance schedule.

Swing Drive
Swing drive – Item 4. To check oil level, remove check plug located on the side of the gear box. Unit is full if oil is level with bottom of fill hole or just starts to run out.

Gear Hubs
Gear hubs – Item 5. To check and fill Gear hubs:

1. Rotate wheel until bottom of filler/drain plug is about 1 inch above horizontal centerline.

2. Remove plug with drive ratchet and extension.

3. Fill until lubricant is level with bottom of fill hole.

Note
Do not overfill gear hubs as they are not vented and need air space for expansion of oil to prevent damage to hubs.

Platform Rotator
Platform Rotator – Item 6. Platform rotators will require lubrication only if disassembled for repairs. Consult factory for proper lubricant if replacement of platform rotator is required.

Hydraulic Oil Reservoir
Hydraulic oil reservoir – Item 7. The fluid level should be kept between the full and add marks on the sight gauge and should be checked with the machine in the stowed position.

The interior of the reservoir should be wiped out and cleaned each time the hydraulic oil is changed. The reservoir filler/breather cap should be removed and the cap strainer cleaned with Kerosene, fuel oil, or other solvent at this time.

It is absolutely necessary that only new, clean hydraulic oil is added.

Note
If it becomes necessary to add or use an oil other than the recommended fluid, it is important that it be compatible and equivalent to the factory fill. Local oil suppliers can generally furnish this information.

If questions still remain, contact Snorkel Customer Service Department for further information.

Engine
Engine – Item 8. Refer to the engine manufacturer's instruction manual or consult your local engine service representative if engine adjustments or repairs are needed. The engine must be operated in accordance with manufacturer's instructions and serviced at recommended intervals.

Hydraulic Oil Return Filter
Return filter – Item 9. Tthe hydraulic oil return filter is mounted inside of the hydraulic oil reservoir.

The filter element is a throw-away type filter and should be changed after the initial break-in period (approximately 50 hours operation time).

The filter may be equipped with a hydraulic pressure gauge to indicate the filter element condition. A by-pass relief within the filter base is provided and is set to by-pass at 25 psi. If pressure readings are above 25 psi, the filter should be changed.

The filter condition should be checked at the 90 day or 150 hour Preventive Inspection Maintenance interval or more frequently under extreme working conditions.

The filter condition indicator is accurate only when the engine is running at maximum rpm and pump is discharging maximum flow, which occurs only during full speed driving. This requires that the indicator be observed while the unit is in motion, booms fully retracted and in stowed position, drive range switch in “LO” position, and drive controller fully forward. Oil temperature should be at least 90° F (32° C).

⚠Warning

Use extreme caution while observing the condition indicator because of the motion of the drive wheels. The condition indicator is best observed from outside of the tract of the vehicle wheels to avoid possible personal injury or machine damage.

When changing the filter element, the oil inside of the filter element, should be examined for deposits of metal cuttings, which is present, could indicate excessive wear in some of the system components.

Door Hinges and Latches
Door hinges and latches – Item 10. After lubricating, remove any excess lubricant or over spray so it will not collect dirt or debris.

Slide Pads
Slide pads – Item 11. Check slide pads for excessive wear and replace as required. Slide pads do not require lubrication.

Batteries
Batteries – Item 12. Batteries will have longer life if the water level is maintained and they are kept charged. The engine will have better starting characteristics with a fully charged battery. In cold weather the battery should be maintained at full charge to keep from freezing. An extremely low or dead battery can freeze in cold weather. Make sure connections are clean and tight.

Make sure charging equipment is operating properly.

⚠Danger

Lead-acid batteries produce flammable and explosive gases. Never allow smoking, flames or sparks around batteries. Lead-acid batteries contain sulfuric acid which will damage eyes or skin on contact. When working around batteries, always wear a face shield to avoid acid in eyes.

If acid contacts eyes, flush immediately with clear water and get medical attention. Wear rubber gloves and protective clothing to keep acid off skin, if acid contacts skin, wash off immediately with clear water.

Battery Care and Maintenance
The following information about battery care and maintenance was supplied by Interstate Batteries and is reprinted here with their permission.

1. New batteries need to be cycled several times before reaching full capacity (20-50 cycles, depending on type). Usage should be limited during this period.

2. Always recharge batteries fully, immediately after use. Batteries perform best when they are fully charged. More capacity and longer life will result from this practice.

3. The deeper the discharge, the fewer number of cycles a lead-acid battery will deliver. Deep discharges deteriorate the battery quicker than lighter shallow cycles.

4. Battery cables should be intact and connectors kept tight at all times. Systematic inspection is recommended.

5. Batteries should be kept clean – free of dirt and corrosion – at all times. Always keep the top of batteries clean. A film on top of the battery can cause the current to migrate between the posts, accelerating self discharge.

6. A fully charged battery will give you the best and longest service. Be sure the batteries are fully charged before testing or using. A fully charged battery, without a drain or load, after the surface charge has dissipated, is 6.35 volts for a 6 volt battery.

7. Batteries should not be discharged below 20% of capacity (approximately 1.8 volts per cell under normal operating load; 1.98 volts open circuit; 1.145 specific gravity). Proper battery sizing will help avoid excessive discharge.

8. Battery chargers should be sized to fully charge batteries in an eight hour period. Chargers should be kept in proper operating condition.

9. Do not use a mismatched charger of any type; i.e., a 12 volt charger on a 24 volt pack or a 24 volt charger on a 12 volt pack. An undersized charger will never

get the job done, no matter how long it tries. An oversized charger will cause excess gassing and heat that could possibly result in a battery meltdown and/or explosion.

10. Never charge a lead-acid battery with a sealed (gel cell) battery charger. The lead-acid battery needs higher voltage to finish its charge. Without it the battery will never come back to 100% and sulfation can occur.

11. Always allow batteries to cool off after charging. The cooling time is very important because heat is generated during the recharge and discharge cycles. Without the cooling time the heat grows, accelerating grid corrosion which is one of the major causes of battery failure. Charging practice should enable batteries to cool before use.

12. Deep cycle batteries need to be equalized periodically. Equalizing is an extended, low current charge performed after the normal charge cycle. It helps keep cells in balance. Actively used batteries should be equalized once per week. Manually timed chargers should have the charge time extended approximately 3 hours. Automatically controlled chargers should be unplugged and reconnected after completing a charge cycle.

13. In situations where multiple batteries are connected in series, parallel or series-parallel, a replacement battery's should be of the same size, age and usage level as the companion batteries. Do not put a new battery in a pack that has 50 or more cycles. Either replace all the batteries with new batteries or install a good used battery's in place of the bad. New batteries should be given a full charge before use.

14. Periodic battery testing is an important preventative maintenance procedure. Hydrometer readings of each cell (fully charged) give an indication of balance and true charge level. Imbalance could mean the need for equalizing and is often a sign of improper charging or a bad cell. Voltage checks (open circuit, charged and discharged) can locate a bad cell or weak battery. Load testing will pick out a bad cell when other methods fail. The point is to look for the abnormal. A weak cell or battery will cause premature failure of companion cells or batteries respectively.

15. As batteries age, their maintenance requirements change, Generally their specific gravity is higher and gassing voltage goes up. This means longer charging time and/or higher finish rate (higher amperage at the end of charge). Usually, older batteries need to be watered more often and their capacity decreases.

16. “Opportunity charging”, a short partial charge during an extended duty cycle, is a controversial subject. Generally, the practice is a “crutch” to make up for undersized batteries. The correct approach is to install adequate battery capacity. If this is impossible because of lack of space in the battery compartment or extreme operating conditions (24 hour intermittent use, as an example), “opportunity charging” is better than excessive battery discharging. However, the practice can cause batteries to overheat, require more watering and usually will shorten battery life. “Opportunity charging” is a trade off; something to avoid if possible. One charging cycle per day is preferable.

17. Extreme temperatures can substantially affect battery performance and charging. Cold reduces battery capacity and retards charging. Heat increases water usage and can result in overcharging. Very high temperature can cause “thermal run away” which may lead to an explosion or fire. If extreme temperature is an unavoidable part of an application, consult a battery/charger specialist about ways to deal with the problem.

18. An overly discharged battery might need to be cycled a few times before it can recover fully. If a battery begins to heat before coming up to a full charge, it might be necessary to discharge the battery and recharge it a few times. The charge and discharge cycle might help the current acceptance of the battery and facilitate its recovery to a usable condition.

19. Inactivity can be harmful to deep cycle batteries. If they sit for several months, a “boost” charge should be given – more frequently in warm climate (about once a month) than in cold (every 2-3 months).

20. Never store a battery in a discharged state. The sulfate that forms during discharge can make the battery impossible to recharge fully.

Fastener Torque Chart

Bolt Grade	SAE Grade 1 or 2	SAE Grade 5	SAE Grade 6	SAE Grade 8
Marking				
Definition	Indeterminate Quality	Minimum Commercial Quality	Medium Commercial Quality	Best Commercial Quality
Material	Low Carbon Steel	Medium Carbon Steel Tempered	Medium Carbon Steel Quenched and Tempered	Medium Carbon Alloy Steel Quenched and Tempered
Minimum Tensile Strength	64,000 psi.	105,000 psi	133,000 psi.	150,000 psi
Bolt Size	Recommended Torque Value (ft lbs)			
1/4	5	7	10	10.5
5/16	9	14	19	22
3/8	15	25	34	37
7/16	24	40	55	60
1/2	37	60	85	92
9/16	53	88	120	132
5/8	74	120	167	180
3/4	120	200	280	296
7/8	190	302	440	473
1	282	466	660	714

Torque chart information:

- Consult manufacturers' specific recommendations, when available.
- The chart may be used with both coarse and fine thread fasteners lightly lubricated.
- Increase torque by 20% when multiple tapered tooth (shake proof) lock washers are used.
- The torque values are given in foot-pounds.
- Inch/pound equivalent may be obtained by multiplying by 12.

Fastener Torque Chart – Metric System

Capscrew	Grade 8.8					Grade 10.9				
Size	In-LBS Dry	In-LBS Lubed	FT-LBS Dry	FT-LBS Lubed	Clamp Load (lb)	In-LBS Dry	In-LBS Lubed	FT-LBS Dry	FT-LBS Lubed	Clamp Load (lb)
M4 - 0.7	27	20			861	36	24			1,173
M5 - 0.8	55	41			1,394	72	60			1,895
M6 - 1.0	93	70			1,971	132	96			2,686
M8 - 1.25	228	168	19	14	3,591	312	228			4,889
M8 - 1.0	240	180	20	15	3,844	336	252			5,232
M10 - 1.5			37	28	5,693			51	38	7,744
M10 - 1.25			39	30	6,008			54	41	8,171
M12 - 1.75			65	49	8,273			89	66	11,257
M12 - 1.25			71	53	9,037			96	72	12,297
M14 - 2.0			103	77	11,285			140	107	15,354
M14 - 1.5			114	85	12,263			155	114	16,691
M16 - 2.0			162	122	15,404			221	166	20,963
M16 - 1.5			173	129	16,388			236	177	22,311
M18 - 2.5			222	167	19,423			235	176	
M18 - 1.5										
M20 - 2.5			317	236	24,042			428	321	32,720
M20 - 1.5			350	262	26,695			479	358	36,316
M22 - 2.5			428	321	30,651			452	339	
M22 - 1.5										
M24 - 3.0			546	409	34,642			745	557	47,141
M24 - 2.0			594	446	37,676			811	605	51,277
M27 - 3.0			796	597	45,039			1,084	811	61,292
M27 - 2.0			863	645	58,785			1,173	848	66,226
M30 - 3.5			1084	811	55,054			1,475	1106	74,915
M30 - 3.0			1121	841	56,908			1,527	1143	77,444
M30 - 2.0			1202	900	60,932			1,630	1224	82,917

Rev D

Torque chart information:

- Consult manufacturers' specific recommendations, when available.
- The chart may be used with both coarse and fine thread fasteners lightly lubricated.
- Increase torque by 20% when multiple tapered tooth (shake proof) lock washers are used.
- Foot/pound equivalent may be obtained by dividing by 12.
- Inch/pound equivalent may be obtained by multiplying by 12.
- Newton/meter equivalent may be obtained by multiplying inch/pound by 0.1130.
- Newton/meter equivalent may be obtained by multiplying foot/pound by 1.3558.

SCHEMATICS

1433486

GP400C Adjustments Settings

PG# 21-510-504 Compatible

GP400C	VEHICLE:	13. 600S & 660SJ CUMMINS T4F				14. 400S & 460SJ DEUTZ			
ADJUSTMENTS	MODEL:	1. 600S ANSI OSC	2. 660SJ ANSI OSC	3. 600S CE OSC	4. 660SJ CE OSC	5. 400S ANSI OSC	6. 460SJ ANSI OSC	7. 400S CE OSC	8. 460SJ CE OSC
DRIVE	FWD MIN	27%	27%	27%	27%	27%	27%	27%	27%
	FWD MAX	100%	100%	100%	100%	100%	100%	100%	100%
	FWD HIGHSPEED	67%	67%	67%	67%	67%	67%	67%	67%
	REV MIN	27%	27%	27%	27%	27%	27%	27%	27%
	REV MAX	100%	100%	100%	100%	100%	100%	100%	100%
	REV HIGHSPEED	63%	63%	63%	63%	63%	63%	63%	63%
	ACCEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
	DECEL	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S	1.4S
DRIVE ELEVATED	FWD MIN	35%	35%	35%	35%	35%	35%	35%	35%
	FWD MAX	64%	64%	64%	64%	64%	64%	64%	64%
	REV MIN	35%	35%	35%	35%	35%	35%	35%	35%
	REV MAX	60%	60%	60%	60%	60%	60%	60%	60%
	ACCEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
	DECEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
STEER	ACCEL	0	0	0	0	0	0	0	0
	DECEL	0	0	0	0	0	0	0	0
	STEER MIN	54%	54%	54%	54%	54%	54%	54%	54%
	STEER MAX	55%	55%	55%	55%	55%	55%	55%	55%
BRAKES	PUMP	20%	20%	20%	20%	20%	20%	20%	20%
	TIME	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S	1.00S
	INITIAL	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S	0.00S
DRIVE/LOWBAT	LOW BAT	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V	8.5V
HILL ASSIST	UPHILL TILT	2=X-	2=X-	2=X-	2=X-	2=X-	2=X-	2=X-	2=X-
	SCALE	2%	2%	2%	2%	2%	2%	2%	2%
DRIVE ANTI-STALL	RPMMINITIAL	0	0	0	0	0	0	0	0
	RPMEXIT	0	0	0	0	0	0	0	0
	%INITIAL	0%	0%	0%	0%	0%	0%	0%	0%
	%MORE	0%	0%	0%	0%	0%	0%	0%	0%
LOWER LIFT	UP MIN	0%	0%	0%	0%	0%	0%	0%	0%
	UP MAX	0%	0%	0%	0%	0%	0%	0%	0%
	DOWN MIN	0%	0%	0%	0%	0%	0%	0%	0%
	DOWN MAX	0%	0%	0%	0%	0%	0%	0%	0%
	ACCEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
	DECEL	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S
	LIFTnotELEV	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S

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GP400C Adjustments Settings

GP400C	VEHICLE:	13. 600S & 660SJ CUMMINS T4F				14. 400S & 460SJ DEUTZ			
ADJUSTMENTS	MODEL:	1. 600S ANSI OSC	2. 660SJ ANSI OSC	3. 600S CE OSC	4. 660SJ CE OSC	5. 400S ANSI OSC	6. 460SJ ANSI OSC	7. 400S CE OSC	8. 460SJ CE OSC
UPPER LIFT	UP MIN	38%	38%	38%	38%	38%	38%	38%	38%
	UP MAX	55%	55%	46%	46%	55%	55%	46%	46%
	DOWN MIN	36%	36%	36%	36%	36%	36%	36%	36%
	DOWN MAX	53%	53%	45%	45%	53%	53%	45%	45%
	ACCEL	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S
	DECEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
	LIFTnotELEV	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S
	UPPER LIFT EXT.SCALE	100%	100%	100%	100%	100%	100%	100%	100%
TELE	OUT MIN	36%	36%	36%	36%	36%	36%	36%	36%
	OUT MAX	58%	58%	58%	58%	58%	58%	58%	58%
	IN MIN	31%	31%	31%	31%	31%	31%	31%	31%
	IN MAX	58%	58%	58%	58%	58%	58%	58%	58%
	ACCEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
	DECEL	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S
	TelenotExtended	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S	0.0S
SLEW	CW MIN	28%	28%	28%	28%	28%	28%	28%	28%
	CW MAX	71%	71%	51%	51%	71%	71%	51%	51%
	CCW MIN	29%	29%	29%	29%	29%	29%	29%	29%
	CCW MAX	72%	72%	51%	51%	72%	72%	51%	51%
	ACCEL	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S	1.0S
	DECEL	0.5S%	0.5S	0.5S	0.5S	0.5S%	0.5S	0.5S	0.5S
	SLEW EXT.SCALE	100%	100%	100%	100%	100%	100%	100%	100%
JIB	JIB EXISTS	NO	YES	NO	YES	NO	YES	NO	YES
	UP MIN	43%	43%	43%	43%	43%	43%	43%	43%
	UP MAX	58%	58%	55%	55%	58%	58%	55%	55%
	DOWN MIN	38%	38%	38%	38%	38%	38%	38%	38%
	DOWN MAX	54%	54%	54%	54%	54%	54%	54%	54%
	CW MIN	5%	5%	5%	5%	5%	5%	5%	5%
	CW MAX	50%	50%	50%	50%	50%	50%	50%	50%
	CCW MIN	5%	5%	5%	5%	5%	5%	5%	5%
	CCW MAX	50%	50%	50%	50%	50%	50%	50%	50%
	ACCEL	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S
	DECEL	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S
BASKET	UP MIN	15%	15%	15%	15%	15%	15%	15%	15%
	UP MAX	100%	100%	54%	54%	100%	100%	54%	54%
	DOWN MIN	15%	15%	15%	15%	15%	15%	15%	15%
	DOWN MAX	100%	100%	50%	50%	100%	100%	50%	50%
	CW MIN	33%	33%	33%	33%	33%	33%	33%	33%
	CW MAX	45%	45%	45%	45%	45%	45%	45%	45%
	CCW MIN	33%	33%	33%	33%	33%	33%	33%	33%
	CCW MAX	45%	45%	45%	45%	45%	45%	45%	45%
	ACCEL	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s	0.5s
	DECEL	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s	0.2s

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GP400C Adjustments Settings

GP400C ADJUSTMENTS	VEHICLE: / MODEL:	13. 600S & 660SJ CUMMINS T4F				14. 400S & 460SJ DEUTZ			
		1. 600S ANSI OSC	2. 660SJ ANSI OSC	3. 600S CE OSC	4. 660SJ CE OSC	5. 400S ANSI OSC	6. 460SJ ANSI OSC	7. 400S CE OSC	8. 460SJ CE OSC
TILT	Xtrip	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°
	Ytrip	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°
	Xtrip Elev	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°
	Ytrip Elev	5.0°	5.0°	3.5°	3.5°	5.0°	5.0°	3.5°	3.5°
	DELAYtrip	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S	2.0S
	DELAYclear	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S	0.5S
OVERLOAD	TRIP#1@	110%	110%	110%	110%	110%	110%	110%	110%
	LAMP#1@	100%	100%	100%	100%	100%	100%	100%	100%
	ALARM#1@	105%	105%	105%	105%	105%	105%	105%	105%
	TRIP#2@	178%	0%	178%	0%	178%	0%	178%	0%
	LAMP#2@	167%	0%	167%	0%	167%	0%	167%	0%
	ALARM#3@	175%	0%	175%	0%	175%	0%	175%	0%
	DELAYtrip	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S
	DELAYclear	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S	1.5S
	Override	0S	0S	0S	0S	0S	0S	0S	0S
ALARMS	DRIVE	ON	ON	ON	ON	ON	ON	ON	ON
	LIFT	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	LOWER	ON	ON	ON	ON	ON	ON	ON	ON
	SLEW	ON	ON	ON	ON	ON	ON	ON	ON
	TELE	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	JIB	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	BASKET	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
	TILT	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED	1=ELEVATED
GROUNDMODE	SPEED	100%	100%	100%	100%	100%	100%	100%	100%

SETUP DEFAULTS	VEHICLE / MODEL	13. 600S & 660SJ CUMMINS T4F				14. 400S & 460SJ DEUTZ			
		1. 600S ANSI OSC	2. 660SJ ANSI OSC	3. 600S CE OSC	4. 660SJ CE OSC	5. 400S ANSI OSC	6. 460SJ ANSI OSC	7. 400S CE OSC	8. 460SJ CE OSC
TILT SETUPS	TILT SHUTDOWN	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER	0=NEVER
	ELEV TILT SHUTDOWN	0=NEVER	0=NEVER	3=DRIVE	3=DRIVE	0=NEVER	0=NEVER	3=DRIVE	3=DRIVE
BOOM ANGLE	ELEV SWITCH	2	2	2	2	2	2	2	2
	RESTRICTED @	70%	101%	0.7	101%	70%	101%	0.7	101%
	TILT CORRECTION	1=X+	0=DISABLED	1=X+	0=DISABLED	1=X+	0=DISABLED	1=X+	0=DISABLED
LOAD SETUPS	CELLS	2	2	2	2	2	2	2	2
	FAULTY LOAD	-40%	-40%	-40%	-40%	-40%	-40%	-40%	-40%
	DYNAMIC SCALE	95%	95%	95%	95%	95%	95%	95%	95%
INTERLOCKS	ETIMEOUT	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s	10.0s
	WAITforGO	0s	0s	1.0s	1.0s	0s	0s	1.0s	1.0s
	DRIVE+BOOM	Allowed	Allowed	BLOCKED	BLOCKED	Allowed	Allowed	BLOCKED	BLOCKED
	Snorkleguard	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled	Enabled
	GUARD O/R	GUARD+OVERLOAD	GUARD+OVERLOAD	GUARD+OVERLOAD	GUARD+OVERLOAD	GUARD+OVERLOAD	GUARD+OVERLOAD	GUARD+OVERLOAD	GUARD+OVERLOAD
	DriveLock	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
	Aircraft	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled	Disabled
	Axle	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING	OSCILLATING

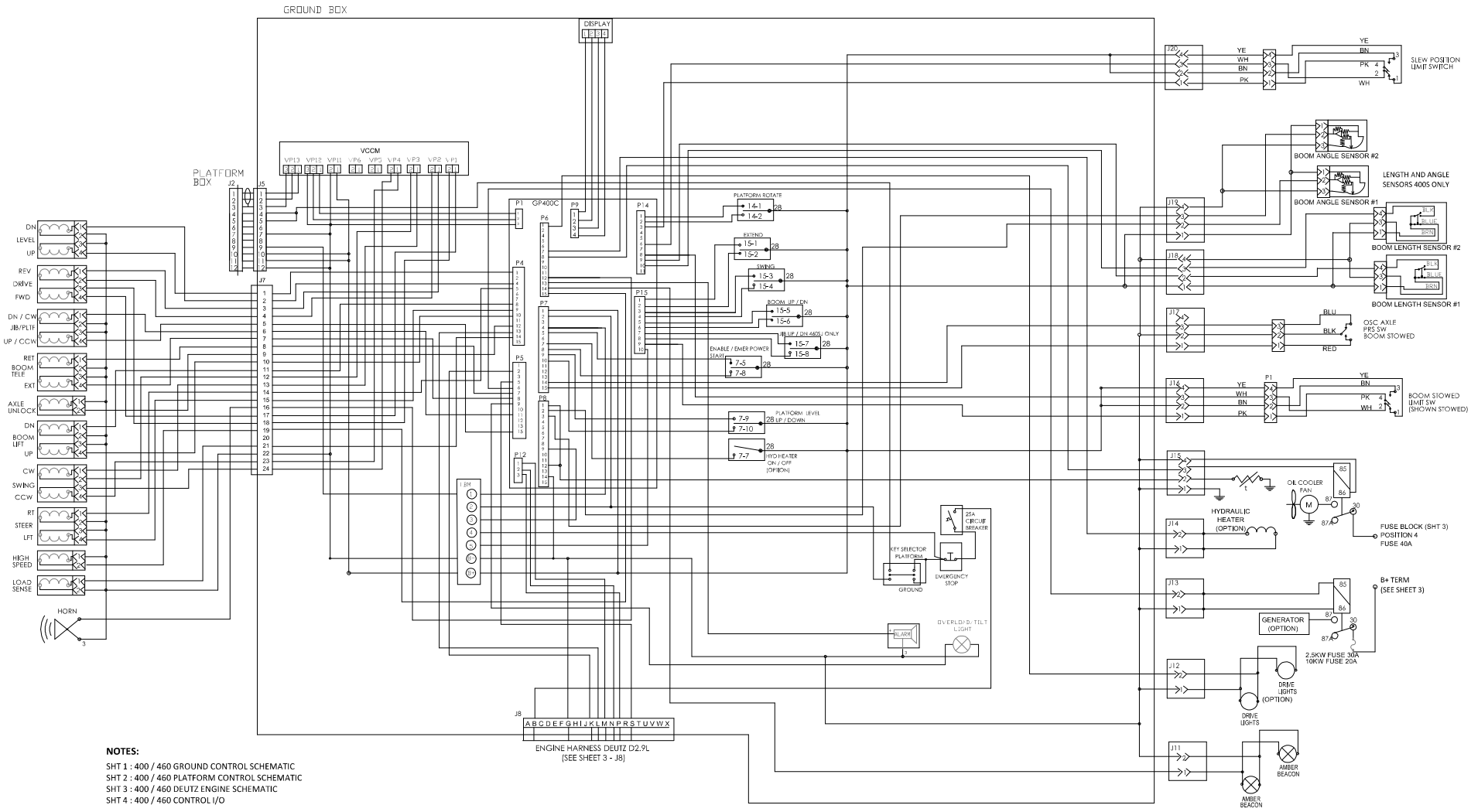
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GP400C Adjustments Settings

GP400C	VEHICLE:	13. 600S & 660SJ CUMMINS T4F				14. 400S & 460SJ DEUTZ			
ADJUSTMENTS	MODEL:	1. 600S ANSI OSC	2. 660SJ ANSI OSC	3. 600S CE OSC	4. 660SJ CE OSC	5. 400S ANSI OSC	6. 460SJ ANSI OSC	7. 400S CE OSC	8. 460SJ CE OSC
BDI	VPCmin	1.93	1.93	1.93	1.93	1.93	1.93	1.93	1.93
	VPCmax	2.13	2.13	2.13	2.13	2.13	2.13	2.13	2.13
	VPCreset	2.15	2.15	2.15	2.15	2.15	2.15	2.15	2.15
ENGINE SETUPS	RPMscale	1	1	1	1	1	1	1	1
	RPMidle	900	900	900	900	900	900	900	900
	RPMthrottle	0	0	0	0	0	0	0	0
	THROTTLEmid	36%	36%	36%	36%	36%	36%	36%	36%
	THROTTLEhigh	0%	0%	0%	0%	0%	0%	0%	0%
	MINdrive	1200	1200	1200	1200	1200	1200	1200	1200
	MAXdrive	2500	2500	2500	2500	2500	2500	2500	2500
	MINsteer	1200	1200	1200	1200	1200	1200	1200	1200
	MAXsteer	2200	2200	2200	2200	2200	2200	2200	2200
	MINll	900	900	900	900	900	900	900	900
	MAXll	2300	2300	2300	2300	2300	2300	2300	2300
	MINul	900	900	900	900	900	900	900	900
	MAXul	2300	2300	2300	2300	2300	2300	2300	2300
	MINtele	900	900	900	900	900	900	900	900
	MAXtele	1800	1800	1800	1800	1800	1800	1800	1800
	MINslew	900	900	900	900	900	900	900	900
	MAXslew	1500	1500	1500	1500	1500	1500	1500	1500
	MINjib	900	900	900	900	900	900	900	900
	MAXjib	1200	1200	1200	1200	1200	1200	1200	1200
	MINbasket	900	900	900	900	900	900	900	900
	MAXbasket	1200	1200	1200	1200	1200	1200	1200	1200
	RPMgen	1900	1900	1900	1900	1900	1900	1900	1900
	RPMgenfine	10	10	10	10	10	10	10	10
VCCM Setups	1min	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A
	1max	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A
	2min	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A
	2max	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A
	3min	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A
	3max	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A
	4min	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A	0.3A
	4max	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A	1.3A
	5min	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
	5max	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
	6min	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A
	6max	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A	0.0A

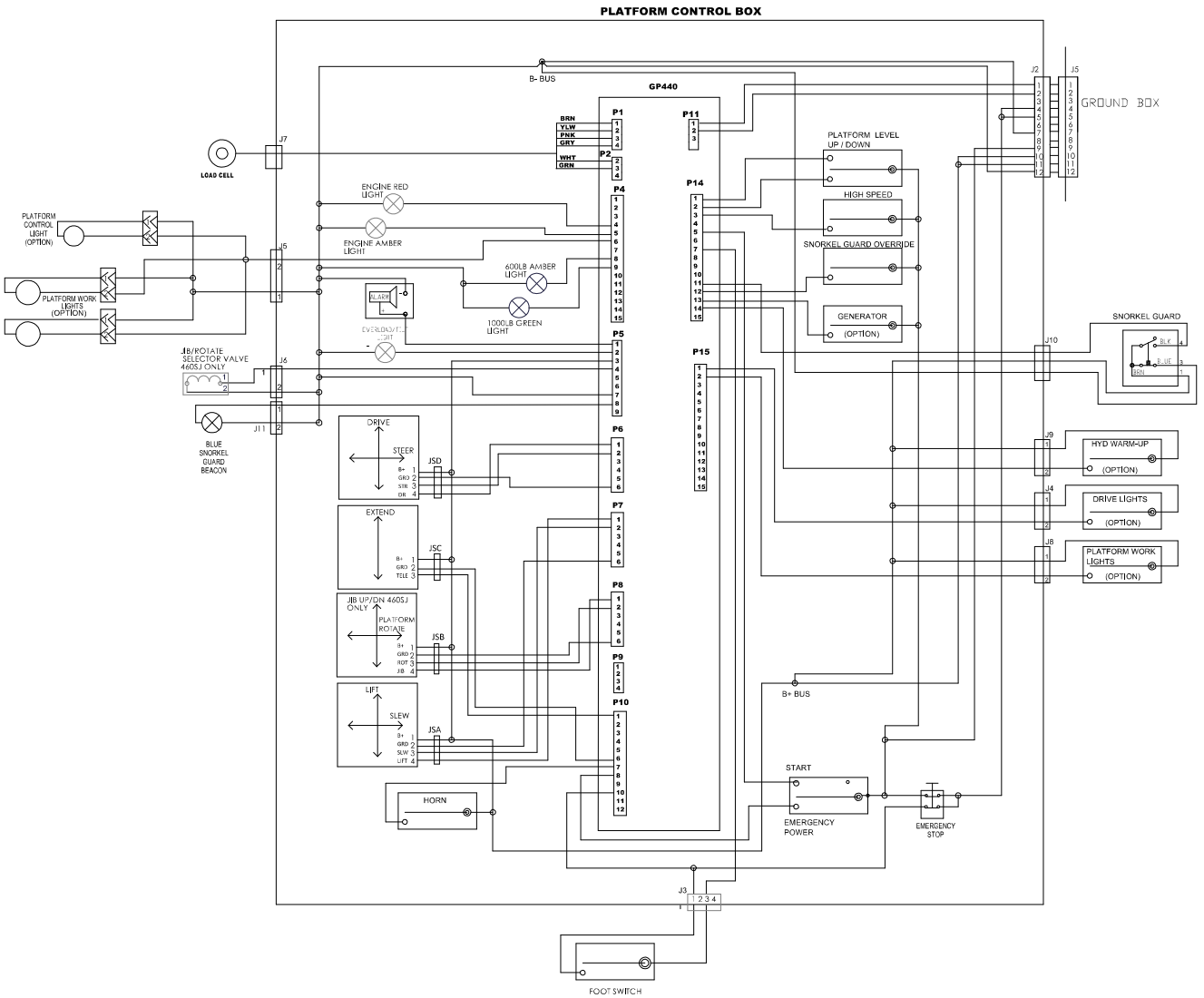
Document Number	REVISION	DATE	COMPLETED BY	ECR No.	DESCRIPTION
1433486	A	1/18/2018	MARK UNGER	LV2017-0286	
	B	5/9/2018	MARK UNGER	LV2017-0242	BASKET CW MAX, CCW MIN AND CCW MAX REDUCED TO SLOW ROTATION SPEEDS

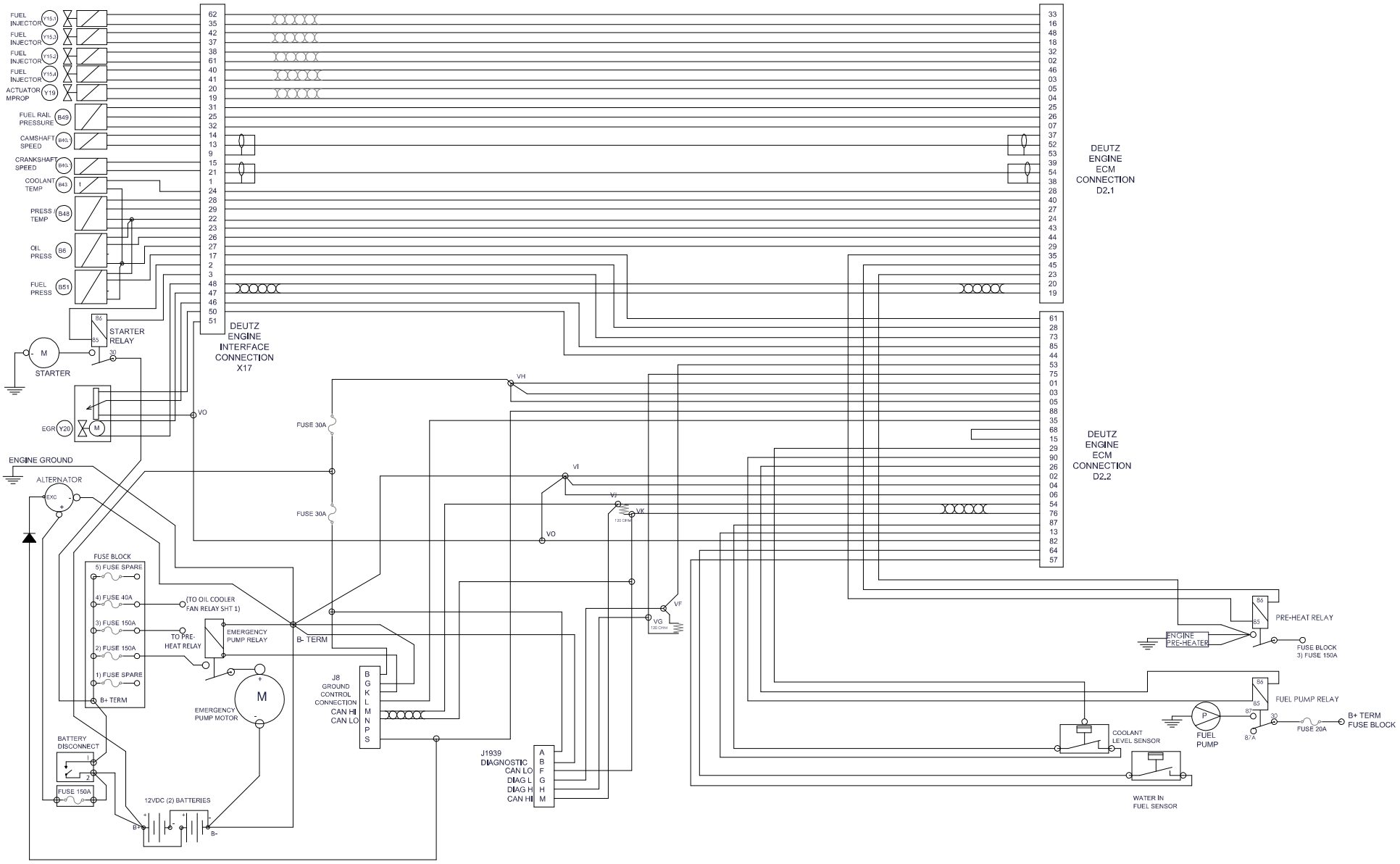
アイテム	部品番号	名前	数量	UOM
-	1433486A	ADJUSTMENT SETTINGS GP400C		EA



NOTES:

SHT 1 : 400 / 460 GROUND CONTROL SCHEMATIC
SHT 2 : 400 / 460 PLATFORM CONTROL SCHEMATIC
SHT 3 : 400 / 460 DEUTZ ENGINE SCHEMATIC
SHT 4 : 400 / 460 CONTROL I/O


PLATFORM CONTROL BOX
B- BUS
GP440
J2
J5
GROUND BOX
J7
LOAD CELL
BRN
YLW
PNK
GRY
WHT
GRN
P1
P2
P11
P14
P15
P4
P5
P6
P7
P8
P9
P10
PLATFORM LEVEL UP / DOWN
HIGH SPEED
SNORKEL GUARD OVERRIDE
GENERATOR
(OPTION)
ENGINE RED LIGHT
ENGINE AMBER LIGHT
600LB AMBER LIGHT
1000LB GREEN LIGHT
ALARM
EVERLOADY... LIGHT
PLATFORM CONTROL LIGHT (OPTION)
PLATFORM WORK LIGHTS (OPTION)
J5
J6
J11
JIB/ROTATE SELECTOR VALVE 460SJ ONLY
BLUE SNORKEL GUARD BEACON
SNORKEL GUARD
J10
BLK
BLUE
BRN
J9
HYD WARM-UP
(OPTION)
J4
DRIVE LIGHTS
(OPTION)
J8
PLATFORM WORK LIGHTS
(OPTION)
DRIVE
STEER
JSD
B+
GRD
STR
DR
EXTEND
JSC
TELE
JIB UP/DN 460SJ ONLY
PLATFORM ROTATE
JSB
ROT
JIB
LIFT
SLEW
JSA
SLW
LIFT
HORN
B+ BUS
START
EMERGENCY POWER
EMERGENCY STOP
J3
2 3 4
FOOT SWITCH

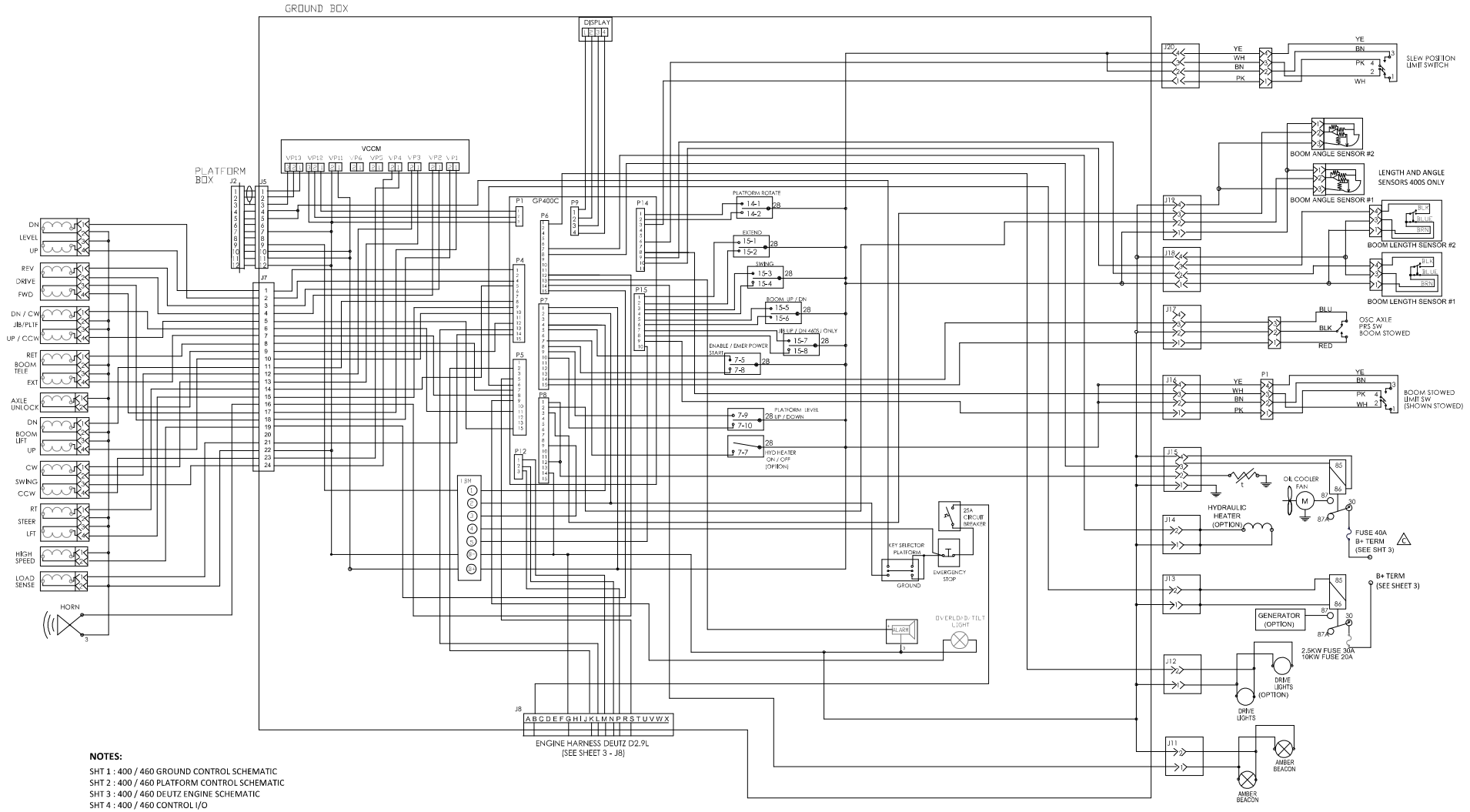

FUEL INJECTOR Y15.1
FUEL INJECTOR Y15.3
FUEL INJECTOR Y15.2
FUEL INJECTOR Y15.4
ACTUATOR MPROP Y19
FUEL RAIL PRESSURE B49
CAMSHAFT SPEED B40
CRANKSHAFT SPEED B40
COOLANT TEMP B43
PRESS TEMP B48
OIL PRESS B6
FUEL PRESS B51
62 35 42 37 38 61 40 41 20 19 31 25 32 14 13 9 15 21 1 24 28 29 22 23 26 27 17 2 3 48 47 46 50 51
DEUTZ ENGINE INTERFACE CONNECTION X17
33 16 48 18 32 02 46 03 05 04 25 26 07 37 52 53 39 54 38 28 40 27 24 43 44 29 35 45 23 20 19
DEUTZ ENGINE ECM CONNECTION D2.1
61 28 73 85 44 53 75 01 03 05 88 35 68 15 29 90 26 02 04 06 54 76 87 13 82 64 57
DEUTZ ENGINE ECM CONNECTION D2.2
STARTER RELAY
STARTER
EGR Y20
VO
VH
VI
VJ
VK
VF
VG
FUSE 30A
FUSE 30A
ENGINE GROUND
ALTERNATOR
FUSE BLOCK
5) FUSE SPARE
4) FUSE 40A
3) FUSE 150A
2) FUSE 150A
1) FUSE SPARE
B+ TERM
(TO OIL COOLER FAN RELAY SHT 1)
TO PRE-HEAT RELAY
EMERGENCY PUMP RELAY
EMERGENCY PUMP MOTOR
B- TERM
J8 GROUND CONTROL CONNECTION
CAN HI
CAN LO
B G K L M N P S
J1939 DIAGNOSTIC
CAN LO
DIAG L
DIAG H
CAN HI
A B F G H M
BATTERY DISCONNECT
FUSE 150A
12VDC (2) BATTERIES
B+
B-
PRE-HEAT RELAY
ENGINE PRE-HEATER
FUSE BLOCK 3) FUSE 150A
FUEL PUMP RELAY
FUEL PUMP
FUSE 20A
B+ TERM FUSE BLOCK
COOLANT LEVEL SENSOR
WATER IN FUEL SENSOR

GP400C I/O ALLOCATIONS		400 - 460 DEUTZ ENGINE (CAN)
P1-1	CAN1H	VCCM-P12-1
P1-2	CAN1L	VCCM-P12-2
P1-3	GND	VCCM-P12-3
P4-1	High Side PWM Output	Platform Level Up
P4-4	High Side PWM Output	Platform Level Down
P4-5	High Side PWM Output	Steer Right
P4-7	High Side PWM Output	Snorkel Guard Blue Flashing Light
P4-8	High Side PWM Output	Boom Lift Down
P4-9	High Side PWM Output	Steer Left
P4-10	High Side PWM Output	Boom Lift Up
P4-12	Safe High PWM Output	Axle Oscilate Valve (Energized = No Lock)
P4-13	Safe High Side Output	Starter Relay
P4-14	Safe High Side Output	Load Sense Dump Valve
P4-15	Safe High Side Output	Brake Release Valve
P5-2	High Side 2A Output	Emergency Power Relay
P5-3	High Side 2A Output	Hour Meter
P5-5	High Side 2A Output	Ignition (Key Sw Input To Engine ECU)
P5-6	High Side 2A Output	Generator (Output To Relay)
P5-7	High Side PWM Output	Boom Retract
P5-8	High Side PWM Output	Boom Extend
P5-9	High Side 2A Output	Tilt/Overload Lamp
P5-11	High Side PWM Output	Jib Down/ Platform Rotate CW
P5-15	High Side PWM Output	Jib Up/ Platform Rotate CCW
P6-1	High Side 2A Output	Drive Lights
P6-7	High Side 2A Output	Hydraulic Warm-Up Valve
P6-8	High Side 2A Output	Hydraulic Cooler Valve
P6-12	High Side 2A Output	Horn
P6-13	High Side 2A Output	Lower Alarm
P6-14	High Side 2A Output	Beacon
P6-15	High Side 2A Output	High Speed Valve
P7-1	B+ Digital Input	TBM B+ (Also Used For Switch Common)
P7-2	B+ Digital Input	Ground Select & TBM # 2
P7-4	B+ Digital Input	Platform Select & TBM #1
P7-5	B+ Digital Input	Enable / Enable + E Power
P7-7	B+ Digital Input	Hydraulic Warm-Up Switch
P7-8	B+ Digital Input	Engine Start (Crank) Switch
P7-9	B+ Digital Input	Platform Level Up
P7-10	B+ Digital Input	Platform Level Down
P7-14	Negative (B-) Digital Input	Axle Lock Pressure Switch (NC)
P7-15	Negative (B-) Digital Input	Axle Lock Pressure Switch (NO)
P8-1	Analog Input	Hyd Oil Temp (Also Connected To P8-12)
P8-2	Analog Input	Boom Angle Sensor 1
P8-3	Analog Input	Boom Angle Sensor 2
P8-9	Analog Input	TBM #3
P8-12	+5V Via 1K	Connected To Hyd Oil Temp Input (P8-1)
P8-14	GND	TBM B-
P12-1	CAN2 H	Engine ECU CAN H
P12-2	CAN2 L	Engine ECU CAN L
P12-3	CAN2 GND	CAN 2 GND
P14-1	B+ Digital Input	Platform Rotate CCW
P14-2	B+ Digital Input	Platform Rotate CW
P14-3	B+ Digital Input	Slew centered sw. (NO)
P14-6	B+ Digital Input	Slew centered sw. (NC)
P14-8	B+ Digital Input	Elevation Switch (NC)
P14-9	B+ Digital Input	Boom Length Sensor 1
P14-10	B+ Digital Input	Boom Length Sensor 2
P15-1	B+ Digital Input	Boom Extend
P15-2	B+ Digital Input	Boom Retract
P15-3	B+ Digital Input	Swing CW
P15-4	B+ Digital Input	Swing CCW
P15-5	B+ Digital Input	Boom Up
P15-6	B+ Digital Input	Boom Down
P15-7	B+ Digital Input	Jib Up
P15-8	B+ Digital Input	Jib Down
P15-9	B+ Digital Input	Elevation Switch (NO)
P15-10	B+ Protected Supply	TBM #5 (Boost Supply)

GP440 I/O ALLOCATIONS		400 - 460 DEUTZ ENGINE (CAN)
Load Cell #1		
P1-1	+5Volts	BRN
P1-2	Diff. +	YLW
P1-3	Diff. -	PNK
P1-4	GND	GRY
Load Cell #3		
P2-2	Diff. +	WHT
P2-3	Diff. -	GRN
P4-1	High Side 2A Output	Left Turn Signal Light
P4-2	High Side 2A Output	Right Turn Signal Light
P4-3	High Side 2A Output	Tail Light
P4-4	High Side 2A Output	Engine Red Stop Lamp
P4-5	High Side 2A Output	Engine Amber Warning Lamp
P4-6	High Side 2A Output	Platform Work Lights
P4-8	High side 2A output	600lb region Light
P4-9	High side 2A output	1000lb region Light
P5-1	High Side 2A Output	Upper Alarm
P5-2	High Side 2A Output	Overload (ON) / Tilt (Flashing) Lamp
P5-3	Board Supply	12V Supply From TBM B+
P5-4	High Side 2A Output	Platform Rotate Enable Valve (Jib Function When Disable)
P5-7	GND	Battery Ground Supply
P5-8	High Side 2A Output	Snorkel Guard Blue Flashing Light
Joystick #1		
P6-1	Analog Input	Drive
P6-2	Analog Input	Steer
P6-6	GND	GND
Joystick #2		
P7-1	Analog Input	Lift
P7-2	Analog Input	Swing
P7-6	GND	GND
Joystick #3		
P8-1	Analog Input	Jib
P8-2	Analog Input	Platform Rotate
P8-6	GND	GND
Joystick #4		
P10-1	Analog Input	Boom Extend/Retract
P10-6	GND	GND
P10-7	Digital Input	Horn Switch
P10-8	Digital Input	Emergency Power (MOM)
P10-10	Digital Input	Ignition
P11-1	CANH VCCM-P13-1	P12-1
P11-2	CANL VCCM-P13-2	P12-2
P11-3	GND	
P14-1	Digital Input	Platform Level Up
P14-2	Digital Input	Platform Level Down
P14-3	Digital Input	Drive High Speed Turn P6-15 Only If Elev Switch P15-9 Is At 12V
P14-5	Digital Input	Start Switch (MOM)
P14-7	Digital Input	Enable Foot Switch
P14-9	Digital Input	Left Turn Signal Switch
P14-10	Digital Input	Right Turn Signal Switch
P14-11	Digital Input	Snorkel Guard Proxi Switch
P14-12	Digital Input	Snorkel Guard Override Switch
P14-13	Digital Input	Generator Switch (No Funtions Allowed Ff On)
P14-14	Digital Input	Hydraulic Warm-Up Switch
P15-1	Digital Input	Drive Lights Switch
P15-2	Digital Input	Platform Work Lights Switch

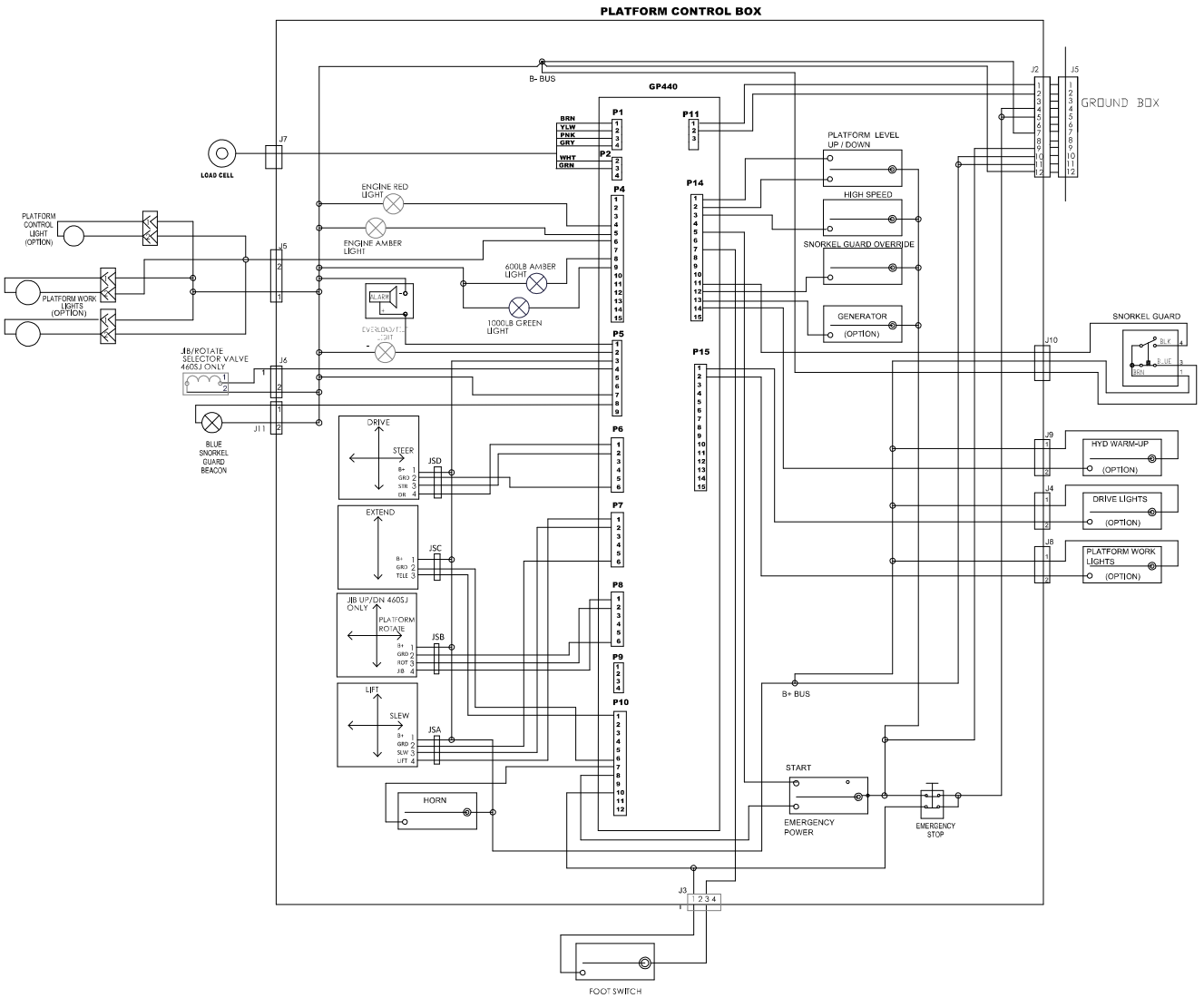
VCCM		
VP1-1	Valve 1 Positive Supply	
VP1-2	Current Control PWM Output	Drive Fwd Prop. Valve
	Valve 1 Minimum Current	0.3A
	Valve 1 Mmaximun Current	1.3A
VP2-1	Valve 2 Positive Supply	
VP2-2	Current Control PWM Output	Drive Reverse Prop. Valve
	Valve 2 Minimum Current	0.3A
	Valve 2 Maximun Current	1.3A
VP3-1	Valve 3 Positive Supply	
VP3-2	Current Control PWM Output	Swing CW Prop. Valve
	Valve 3 Minimum Current	0.3A
	Valve 3 Maximun Current	1.3A
VP4-1	Valve 4 Positive Supply	
VP4-2	Current Control PWM Output	Swing CCW Prop. Valve
	Valve 4 Minimum Current	0.3A
	Valve 4 Maximun Current	1.3A

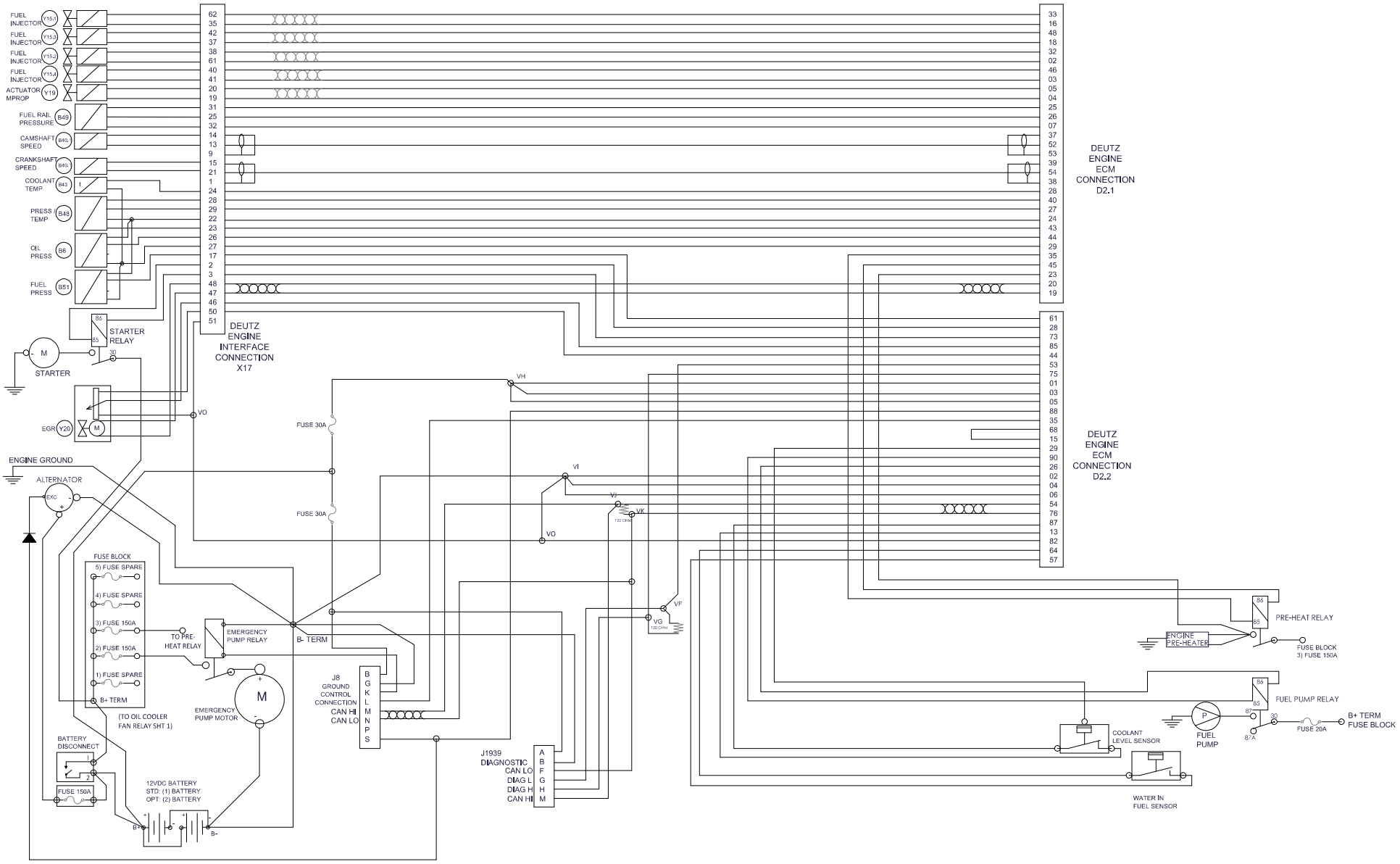
12 V TBM P/N 21 500 340		
TERMINAL	FROM	TO
B+		P7-1 GP400
		B+ Supply To All I/O
B-	B- Battery	B- Supply To All I/O
		To P8-14 of GP400
1	Platform Select Switch	P7-4 of GP400
2	Ground Select Switch	P7-2 of GP400
3		P8-9 of GP400
4	After EMS GND	
5	GP400 Power	P15-10



NOTES:

SHT 1 : 400 / 460 GROUND CONTROL SCHEMATIC
SHT 2 : 400 / 460 PLATFORM CONTROL SCHEMATIC
SHT 3 : 400 / 460 DEUTZ ENGINE SCHEMATIC
SHT 4 : 400 / 460 CONTROL I/O


PLATFORM CONTROL BOX
B- BUS
GP440
J2
J5
GROUND BOX
J7
LOAD CELL
BRN
YLW
PNK
GRY
WHT
GRN
P1
P2
P11
P14
P15
P4
P5
P6
P7
P8
P9
P10
PLATFORM LEVEL UP / DOWN
HIGH SPEED
SNORKEL GUARD OVERRIDE
GENERATOR
(OPTION)
ENGINE RED LIGHT
ENGINE AMBER LIGHT
600LB AMBER LIGHT
1000LB GREEN LIGHT
ALARM
EVERLOADY... LIGHT
PLATFORM CONTROL LIGHT (OPTION)
PLATFORM WORK LIGHTS (OPTION)
J5
J6
J11
JIB/ROTATE SELECTOR VALVE 460SJ ONLY
BLUE SNORKEL GUARD BEACON
SNORKEL GUARD
J10
BLK
BLUE
BRN
DRIVE
STEER
JSD
B+
GRD
STR
DR
EXTEND
JSC
TELE
JIB UP/DN 460SJ ONLY
PLATFORM ROTATE
JSB
ROT
JIB
LIFT
SLEW
JSA
SLW
HORN
J9
HYD WARM-UP
(OPTION)
J4
DRIVE LIGHTS
(OPTION)
J8
PLATFORM WORK LIGHTS
(OPTION)
B+ BUS
START
EMERGENCY POWER
EMERGENCY STOP
J3
2 3 4
FOOT SWITCH

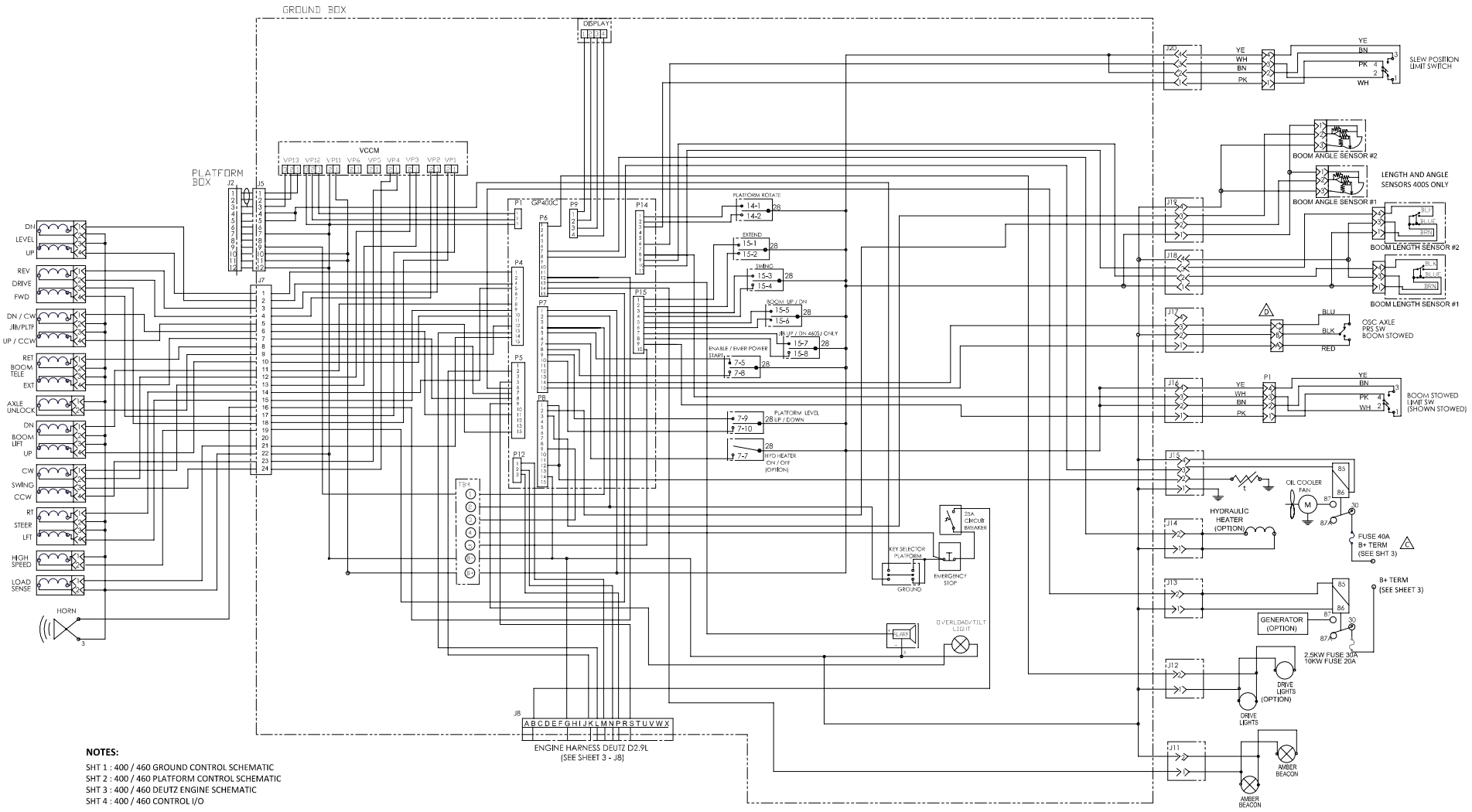

FUEL INJECTOR Y15.1
FUEL INJECTOR Y15.3
FUEL INJECTOR Y15.2
FUEL INJECTOR Y15.4
ACTUATOR MPROP Y19
FUEL RAIL PRESSURE B49
CAMSHAFT SPEED B40
CRANKSHAFT SPEED B40
COOLANT TEMP B43
PRESS TEMP B48
OIL PRESS B6
FUEL PRESS B51
62 35 42 37 38 61 40 41 20 19 31 25 32 14 13 9 15 21 1 24 28 29 22 23 26 27 17 2 3 48 47 46 50 51
DEUTZ ENGINE INTERFACE CONNECTION X17
33 16 48 18 32 02 46 03 05 04 25 26 07 37 52 53 39 54 38 28 40 27 24 43 44 29 35 45 23 20 19
DEUTZ ENGINE ECM CONNECTION D2.1
61 28 73 85 44 53 75 01 03 05 88 35 68 15 29 90 26 02 04 06 54 76 87 13 82 64 57
DEUTZ ENGINE ECM CONNECTION D2.2
STARTER RELAY
STARTER
EGR Y20
VO
VH
VI
VJ
VK
VF
VG
FUSE 30A
FUSE 30A
ENGINE GROUND
ALTERNATOR
FUSE BLOCK
5) FUSE SPARE
4) FUSE SPARE
3) FUSE 150A
2) FUSE 150A
1) FUSE SPARE
B+ TERM
TO PRE-HEAT RELAY
EMERGENCY PUMP RELAY
EMERGENCY PUMP MOTOR
B- TERM
(TO OIL COOLER FAN RELAY SHT 1)
BATTERY DISCONNECT
FUSE 150A
12VDC BATTERY
STD: (1) BATTERY
OPT: (2) BATTERY
J8 GROUND CONTROL CONNECTION
B G K L M N P S
CAN HI
CAN LO
J1939 DIAGNOSTIC
A B F G H M
CAN LO
DIAG L
DIAG H
CAN HI
PRE-HEAT RELAY
ENGINE PRE-HEATER
FUSE BLOCK 3) FUSE 150A
FUEL PUMP RELAY
FUEL PUMP
FUSE 20A
B+ TERM FUSE BLOCK
COOLANT LEVEL SENSOR
WATER IN FUEL SENSOR

GP400C I/O ALLOCATIONS		400 - 460 DEUTZ ENGINE (CAN)
P1-1	CAN1H	VCCM-P12-1
P1-2	CAN1L	VCCM-P12-2
P1-3	GND	VCCM-P12-3
P4-1	High Side PWM Output	Platform Level Up
P4-4	High Side PWM Output	Platform Level Down
P4-5	High Side PWM Output	Steer Right
P4-7	High Side PWM Output	Snorkel Guard Blue Flashing Light
P4-8	High Side PWM Output	Boom Lift Down
P4-9	High Side PWM Output	Steer Left
P4-10	High Side PWM Output	Boom Lift Up
P4-12	Safe High PWM Output	Axle Oscilate Valve (Energized = No Lock)
P4-13	Safe High Side Output	Starter Relay
P4-14	Safe High Side Output	Load Sense Dump Valve
P4-15	Safe High Side Output	Brake Release Valve
P5-2	High Side 2A Output	Emergency Power Relay
P5-3	High Side 2A Output	Hour Meter
P5-5	High Side 2A Output	Ignition (Key Sw Input To Engine ECU)
P5-6	High Side 2A Output	Generator (Output To Relay)
P5-7	High Side PWM Output	Boom Retract
P5-8	High Side PWM Output	Boom Extend
P5-9	High Side 2A Output	Tilt/Overload Lamp
P5-11	High Side PWM Output	Jib Down/ Platform Rotate CW
P5-15	High Side PWM Output	Jib Up/ Platform Rotate CCW
P6-1	High Side 2A Output	Drive Lights
P6-7	High Side 2A Output	Hydraulic Warm-Up Valve
P6-8	High Side 2A Output	Hydraulic Cooler Valve
P6-12	High Side 2A Output	Horn
P6-13	High Side 2A Output	Lower Alarm
P6-14	High Side 2A Output	Beacon
P6-15	High Side 2A Output	High Speed Valve
P7-1	B+ Digital Input	TBM B+ (Also Used For Switch Common)
P7-2	B+ Digital Input	Ground Select & TBM # 2
P7-4	B+ Digital Input	Platform Select & TBM #1
P7-5	B+ Digital Input	Enable / Enable + E Power
P7-7	B+ Digital Input	Hydraulic Warm-Up Switch
P7-8	B+ Digital Input	Engine Start (Crank) Switch
P7-9	B+ Digital Input	Platform Level Up
P7-10	B+ Digital Input	Platform Level Down
P7-14	Negative (B-) Digital Input	Axle Lock Pressure Switch (NC)
P7-15	Negative (B-) Digital Input	Axle Lock Pressure Switch (NO)
P8-1	Analog Input	Hyd Oil Temp (Also Connected To P8-12)
P8-2	Analog Input	Boom Angle Sensor 1
P8-3	Analog Input	Boom Angle Sensor 2
P8-9	Analog Input	TBM #3
P8-12	+5V Via 1K	Connected To Hyd Oil Temp Input (P8-1)
P8-14	GND	TBM B-
P12-1	CAN2 H	Engine ECU CAN H
P12-2	CAN2 L	Engine ECU CAN L
P12-3	CAN2 GND	CAN 2 GND
P14-1	B+ Digital Input	Platform Rotate CCW
P14-2	B+ Digital Input	Platform Rotate CW
P14-3	B+ Digital Input	Slew centered sw. (NO)
P14-6	B+ Digital Input	Slew centered sw. (NC)
P14-8	B+ Digital Input	Elevation Switch (NC)
P14-9	B+ Digital Input	Boom Length Sensor 1
P14-10	B+ Digital Input	Boom Length Sensor 2
P15-1	B+ Digital Input	Boom Extend
P15-2	B+ Digital Input	Boom Retract
P15-3	B+ Digital Input	Swing CW
P15-4	B+ Digital Input	Swing CCW
P15-5	B+ Digital Input	Boom Up
P15-6	B+ Digital Input	Boom Down
P15-7	B+ Digital Input	Jib Up
P15-8	B+ Digital Input	Jib Down
P15-9	B+ Digital Input	Elevation Switch (NO)
P15-10	B+ Protected Supply	TBM #5 (Boost Supply)

GP440 I/O ALLOCATIONS		400 - 460 DEUTZ ENGINE (CAN)
Load Cell #1		
P1-1	+5Volts	BRN
P1-2	Diff. +	YLW
P1-3	Diff. -	PNK
P1-4	GND	GRY
Load Cell #3		
P2-2	Diff. +	WHT
P2-3	Diff. -	GRN
P4-1	High Side 2A Output	Left Turn Signal Light
P4-2	High Side 2A Output	Right Turn Signal Light
P4-3	High Side 2A Output	Tail Light
P4-4	High Side 2A Output	Engine Red Stop Lamp
P4-5	High Side 2A Output	Engine Amber Warning Lamp
P4-6	High Side 2A Output	Platform Work Lights
P4-8	High side 2A output	600lb region Light
P4-9	High side 2A output	1000lb region Light
P5-1	High Side 2A Output	Upper Alarm
P5-2	High Side 2A Output	Overload (ON) / Tilt (Flashing) Lamp
P5-3	Board Supply	12V Supply From TBM B+
P5-4	High Side 2A Output	Platform Rotate Enable Valve (Jib Function When Disable)
P5-7	GND	Battery Ground Supply
P5-8	High Side 2A Output	Snorkel Guard Blue Flashing Light
Joystick #1		
P6-1	Analog Input	Drive
P6-2	Analog Input	Steer
P6-6	GND	GND
Joystick #2		
P7-1	Analog Input	Lift
P7-2	Analog Input	Swing
P7-6	GND	GND
Joystick #3		
P8-1	Analog Input	Jib
P8-2	Analog Input	Platform Rotate
P8-6	GND	GND
Joystick #4		
P10-1	Analog Input	Boom Extend/Retract
P10-6	GND	GND
P10-7	Digital Input	Horn Switch
P10-8	Digital Input	Emergency Power (MOM)
P10-10	Digital Input	Ignition
P11-1	CANH VCCM-P13-1	P12-1
P11-2	CANL VCCM-P13-2	P12-2
P11-3	GND	
P14-1	Digital Input	Platform Level Up
P14-2	Digital Input	Platform Level Down
P14-3	Digital Input	Drive High Speed Turn P6-15 Only If Elev Switch P15-9 Is At 12V
P14-5	Digital Input	Start Switch (MOM)
P14-7	Digital Input	Enable Foot Switch
P14-9	Digital Input	Left Turn Signal Switch
P14-10	Digital Input	Right Turn Signal Switch
P14-11	Digital Input	Snorkel Guard Proxi Switch
P14-12	Digital Input	Snorkel Guard Override Switch
P14-13	Digital Input	Generator Switch (No Funtions Allowed Ff On)
P14-14	Digital Input	Hydraulic Warm-Up Switch
P15-1	Digital Input	Drive Lights Switch
P15-2	Digital Input	Platform Work Lights Switch

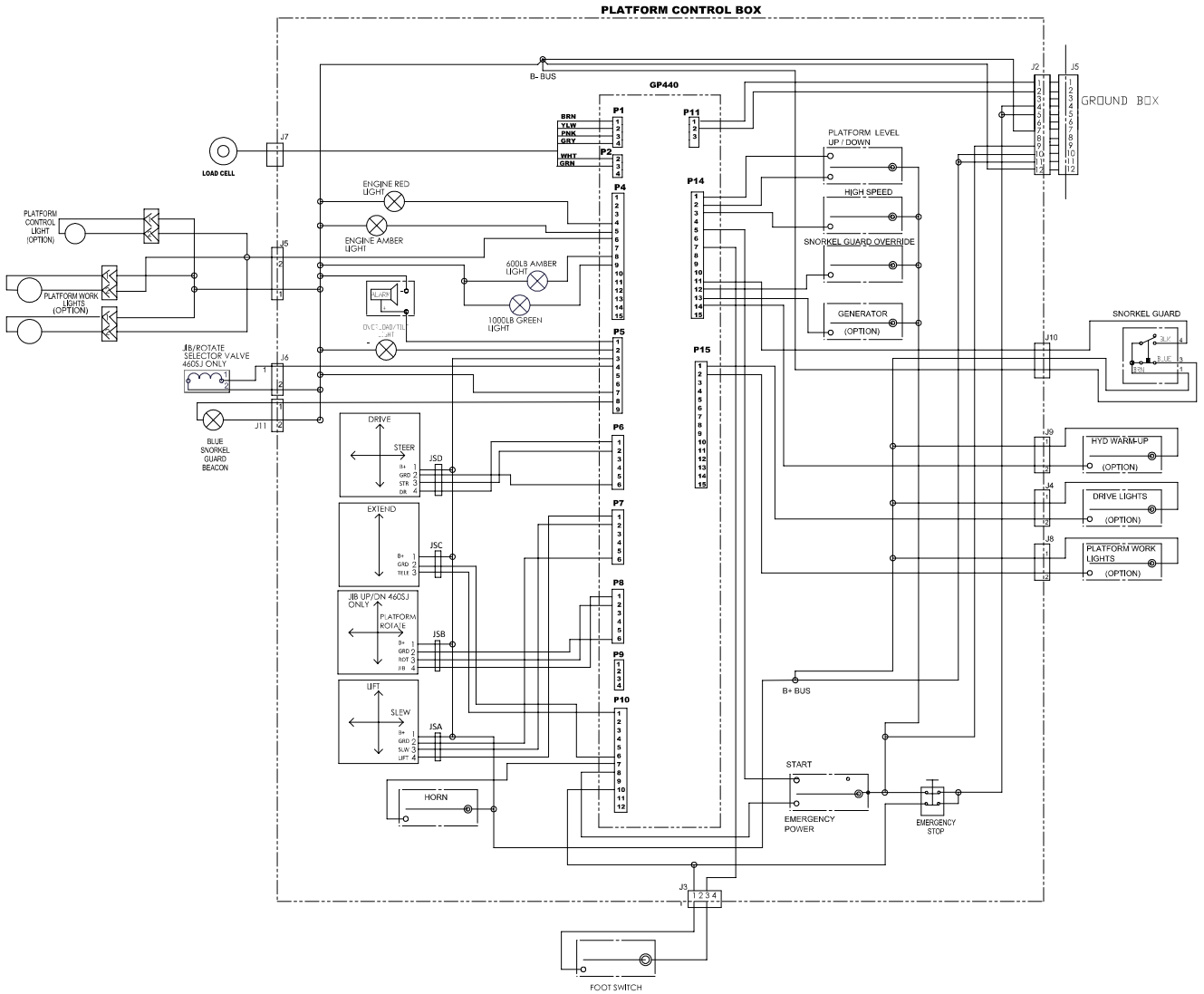
VCCM		
VP1-1	Valve 1 Positive Supply	
VP1-2	Current Control PWM Output	Drive Fwd Prop. Valve
	Valve 1 Minimum Current	0.3A
	Valve 1 Mmaximun Current	1.3A
VP2-1	Valve 2 Positive Supply	
VP2-2	Current Control PWM Output	Drive Reverse Prop. Valve
	Valve 2 Minimum Current	0.3A
	Valve 2 Maximun Current	1.3A
VP3-1	Valve 3 Positive Supply	
VP3-2	Current Control PWM Output	Swing CW Prop. Valve
	Valve 3 Minimum Current	0.3A
	Valve 3 Maximun Current	1.3A
VP4-1	Valve 4 Positive Supply	
VP4-2	Current Control PWM Output	Swing CCW Prop. Valve
	Valve 4 Minimum Current	0.3A
	Valve 4 Maximun Current	1.3A

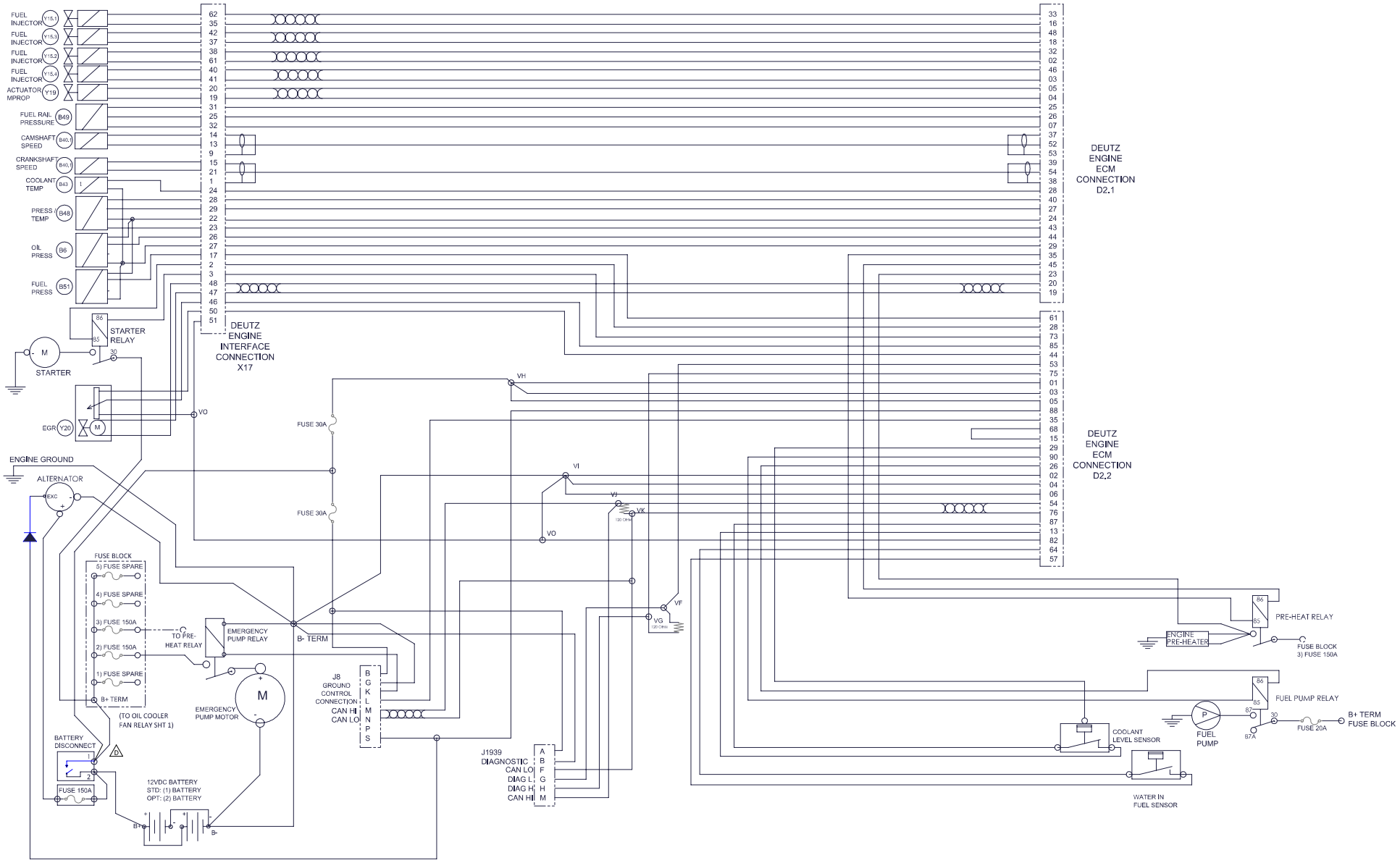
12 V TBM P/N 21 500 340		
TERMINAL	FROM	TO
B+		P7-1 GP400
		B+ Supply To All I/O
B-	B- Battery	B- Supply To All I/O
		To P8-14 of GP400
1	Platform Select Switch	P7-4 of GP400
2	Ground Select Switch	P7-2 of GP400
3		P8-9 of GP400
4	After EMS GND	
5	GP400 Power	P15-10



NOTES:

SHT 1 : 400 / 460 GROUND CONTROL SCHEMATIC
SHT 2 : 400 / 460 PLATFORM CONTROL SCHEMATIC
SHT 3 : 400 / 460 DEUTZ ENGINE SCHEMATIC
SHT 4 : 400 / 460 CONTROL I/O


PLATFORM CONTROL BOX
B- BUS
GP440
J2
J5
GROUND BOX
J7
LOAD CELL
P1
BRN
YLW
PNK
GRY
P2
WHT
GRN
P11
PLATFORM LEVEL
UP / DOWN
ENGINE RED LIGHT
ENGINE AMBER LIGHT
P4
P14
HIGH SPEED
SNORKEL GUARD OVERRIDE
PLATFORM CONTROL LIGHT (OPTION)
PLATFORM WORK LIGHTS (OPTION)
J6
600LB AMBER LIGHT
1000LB GREEN LIGHT
GENERATOR
(OPTION)
SNORKEL GUARD
J10
P5
P15
JIB/ROTATE SELECTOR VALVE 460SJ ONLY
J11
BLUE SNORKEL GUARD BEACON
DRIVE
STEER
JSD
P6
HYD WARM-UP
(OPTION)
J9
J4
DRIVE LIGHTS
(OPTION)
EXTEND
JSC
P7
J8
PLATFORM WORK LIGHTS
(OPTION)
JIB UP/DN 460SJ ONLY
PLATFORM ROTATE
JSB
P8
P9
B+ BUS
LIFT
SLEW
JSA
P10
START
HORN
EMERGENCY POWER
EMERGENCY STOP
J3
FOOT SWITCH

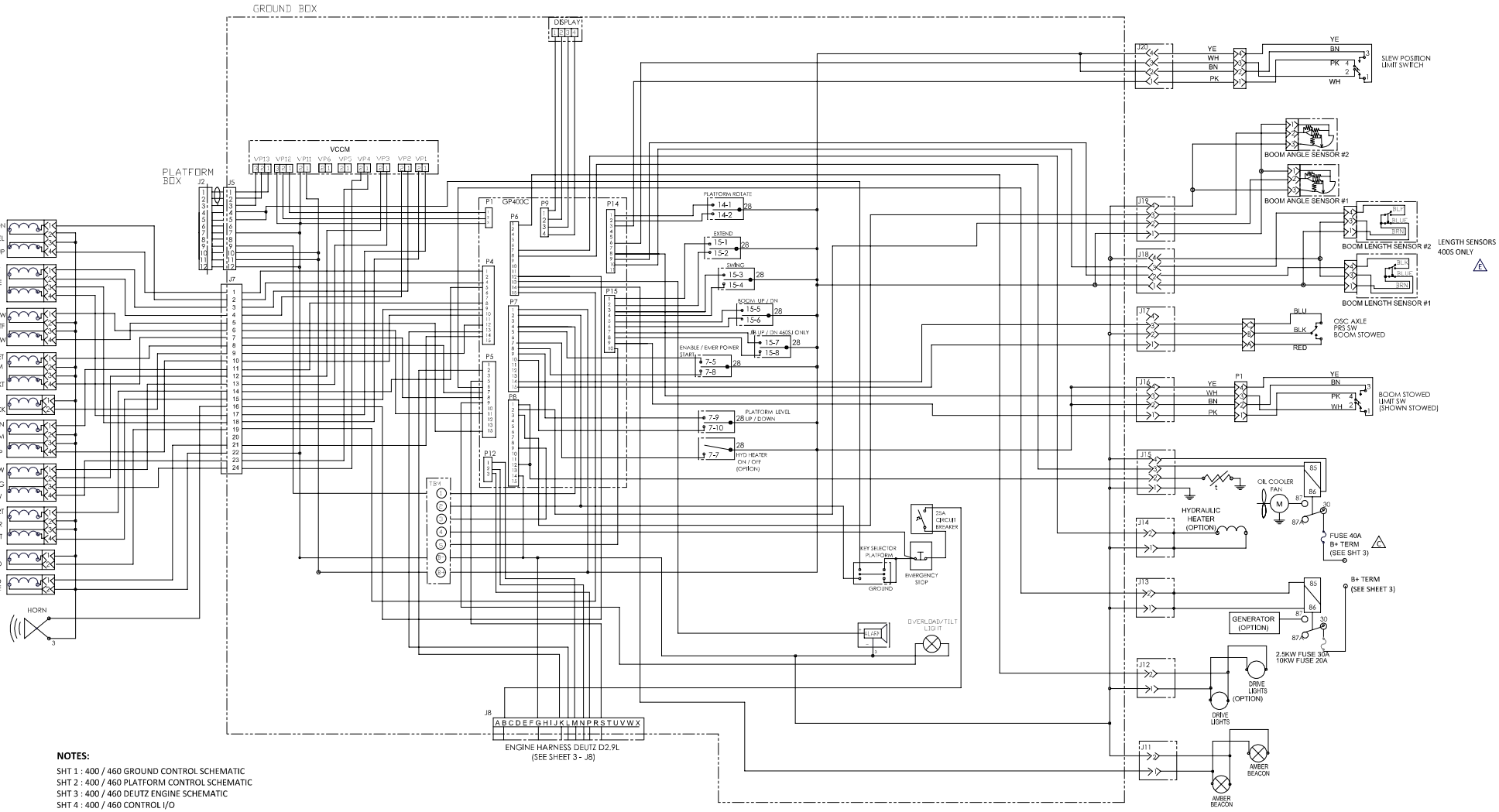

FUEL INJECTOR Y15,1
FUEL INJECTOR Y15,3
FUEL INJECTOR Y15,2
FUEL INJECTOR Y15,4
ACTUATOR MPROP Y19
FUEL RAIL PRESSURE B49
CAMSHAFT SPEED B40,1
CRANKSHAFT SPEED B40,2
COOLANT TEMP B43
PRESS TEMP B48
OIL PRESS B6
FUEL PRESS B51
62 35 42 37 38 61 40 41 20 19 31 25 32 14 13 9 15 21 1 24 28 29 22 23 26 27 17 2 3 48 47 46 50 51
DEUTZ ENGINE INTERFACE CONNECTION X17
33 16 48 18 32 02 46 03 05 04 25 26 07 37 52 53 39 54 38 28 40 27 24 43 44 29 35 45 23 20 19
DEUTZ ENGINE ECM CONNECTION D2.1
61 28 73 85 44 53 75 01 03 05 88 35 68 15 29 90 26 02 04 06 54 76 87 13 82 64 57
DEUTZ ENGINE ECM CONNECTION D2,2
STARTER RELAY
STARTER
EGR Y20
VO
VH
VI
VJ
VK
VF
VG
FUSE 30A
FUSE 30A
ENGINE GROUND
ALTERNATOR
FUSE BLOCK
5) FUSE SPARE
4) FUSE SPARE
3) FUSE 150A
2) FUSE 150A
1) FUSE SPARE
B+ TERM
TO PRE-HEAT RELAY
EMERGENCY PUMP RELAY
B- TERM
EMERGENCY PUMP MOTOR
(TO OIL COOLER FAN RELAY SHT 1)
BATTERY DISCONNECT
FUSE 150A
12VDC BATTERY
STD: (1) BATTERY
OPT: (2) BATTERY
J8 GROUND CONTROL CONNECTION
CAN HI
CAN LO
B G K L M N P S
J1939 DIAGNOSTIC
CAN LO
DIAG L
DIAG H
CAN HI
A B F G H M
PRE-HEAT RELAY
ENGINE PRE-HEATER
FUSE BLOCK 3) FUSE 150A
FUEL PUMP RELAY
FUEL PUMP
FUSE 20A
B+ TERM FUSE BLOCK
COOLANT LEVEL SENSOR
WATER IN FUEL SENSOR

GP400C I/O ALLOCATIONS		400 - 460 DEUTZ ENGINE (CAN)
P1-1	CAN1H	VCCM-P12-1
P1-2	CAN1L	VCCM-P12-2
P1-3	GND	VCCM-P12-3
P4-1	High Side PWM Output	Platform Level Up
P4-4	High Side PWM Output	Platform Level Down
P4-5	High Side PWM Output	Steer Right
P4-7	High Side PWM Output	Snorkel Guard Blue Flashing Light
P4-8	High Side PWM Output	Boom Lift Down
P4-9	High Side PWM Output	Steer Left
P4-10	High Side PWM Output	Boom Lift Up
P4-12	Safe High PWM Output	Axle Oscilate Valve (Energized = No Lock)
P4-13	Safe High Side Output	Starter Relay
P4-14	Safe High Side Output	Load Sense Dump Valve
P4-15	Safe High Side Output	Brake Release Valve
P5-2	High Side 2A Output	Emergency Power Relay
P5-3	High Side 2A Output	Hour Meter
P5-5	High Side 2A Output	Ignition (Key Sw Input To Engine ECU)
P5-6	High Side 2A Output	Generator (Output To Relay)
P5-7	High Side PWM Output	Boom Retract
P5-8	High Side PWM Output	Boom Extend
P5-9	High Side 2A Output	Tilt/Overload Lamp
P5-11	High Side PWM Output	Jib Down/ Platform Rotate CW
P5-15	High Side PWM Output	Jib Up/ Platform Rotate CCW
P6-1	High Side 2A Output	Drive Lights
P6-7	High Side 2A Output	Hydraulic Warm-Up Valve
P6-8	High Side 2A Output	Hydraulic Cooler Valve
P6-12	High Side 2A Output	Horn
P6-13	High Side 2A Output	Lower Alarm
P6-14	High Side 2A Output	Beacon
P6-15	High Side 2A Output	High Speed Valve
P7-1	B+ Digital Input	TBM B+ (Also Used For Switch Common)
P7-2	B+ Digital Input	Ground Select & TBM # 2
P7-4	B+ Digital Input	Platform Select & TBM #1
P7-5	B+ Digital Input	Enable / Enable + E Power
P7-7	B+ Digital Input	Hydraulic Warm-Up Switch
P7-8	B+ Digital Input	Engine Start (Crank) Switch
P7-9	B+ Digital Input	Platform Level Up
P7-10	B+ Digital Input	Platform Level Down
P7-14	Negative (B-) Digital Input	Axle Lock Pressure Switch (NC)
P7-15	Negative (B-) Digital Input	Axle Lock Pressure Switch (NO)
P8-1	Analog Input	Hyd Oil Temp (Also Connected To P8-12)
P8-2	Analog Input	Boom Angle Sensor 1
P8-3	Analog Input	Boom Angle Sensor 2
P8-9	Analog Input	TBM #3
P8-12	+5V Via 1K	Connected To Hyd Oil Temp Input (P8-1)
P8-14	GND	TBM B-
P12-1	CAN2 H	Engine ECU CAN H
P12-2	CAN2 L	Engine ECU CAN L
P12-3	CAN2 GND	CAN 2 GND
P14-1	B+ Digital Input	Platform Rotate CCW
P14-2	B+ Digital Input	Platform Rotate CW
P14-3	B+ Digital Input	Slew centered sw. (NO)
P14-6	B+ Digital Input	Slew centered sw. (NC)
P14-8	B+ Digital Input	Elevation Switch (NC)
P14-9	B+ Digital Input	Boom Length Sensor 1
P14-10	B+ Digital Input	Boom Length Sensor 2
P15-1	B+ Digital Input	Boom Extend
P15-2	B+ Digital Input	Boom Retract
P15-3	B+ Digital Input	Swing CW
P15-4	B+ Digital Input	Swing CCW
P15-5	B+ Digital Input	Boom Up
P15-6	B+ Digital Input	Boom Down
P15-7	B+ Digital Input	Jib Up
P15-8	B+ Digital Input	Jib Down
P15-9	B+ Digital Input	Elevation Switch (NO)
P15-10	B+ Protected Supply	TBM #5 (Boost Supply)

GP440 I/O ALLOCATIONS		400 - 460 DEUTZ ENGINE (CAN)
Load Cell #1		
P1-1	+5Volts	BRN
P1-2	Diff. +	YLW
P1-3	Diff. -	PNK
P1-4	GND	GRY
Load Cell #3		
P2-2	Diff. +	WHT
P2-3	Diff. -	GRN
P4-1	High Side 2A Output	Left Turn Signal Light
P4-2	High Side 2A Output	Right Turn Signal Light
P4-3	High Side 2A Output	Tail Light
P4-4	High Side 2A Output	Engine Red Stop Lamp
P4-5	High Side 2A Output	Engine Amber Warning Lamp
P4-6	High Side 2A Output	Platform Work Lights
P4-8	High side 2A output	600lb region Light
P4-9	High side 2A output	1000lb region Light
P5-1	High Side 2A Output	Upper Alarm
P5-2	High Side 2A Output	Overload (ON) / Tilt (Flashing) Lamp
P5-3	Board Supply	12V Supply From TBM B+
P5-4	High Side 2A Output	Platform Rotate Enable Valve (Jib Function When Disable)
P5-7	GND	Battery Ground Supply
P5-8	High Side 2A Output	Snorkel Guard Blue Flashing Light
Joystick #1		
P6-1	Analog Input	Drive
P6-2	Analog Input	Steer
P6-6	GND	GND
Joystick #2		
P7-1	Analog Input	Lift
P7-2	Analog Input	Swing
P7-6	GND	GND
Joystick #3		
P8-1	Analog Input	Jib
P8-2	Analog Input	Platform Rotate
P8-6	GND	GND
Joystick #4		
P10-1	Analog Input	Boom Extend/Retract
P10-6	GND	GND
P10-7	Digital Input	Horn Switch
P10-8	Digital Input	Emergency Power (MOM)
P10-10	Digital Input	Ignition
P11-1	CANH VCCM-P13-1	P12-1
P11-2	CANL VCCM-P13-2	P12-2
P11-3	GND	
P14-1	Digital Input	Platform Level Up
P14-2	Digital Input	Platform Level Down
P14-3	Digital Input	Drive High Speed Turn P6-15 Only If Elev Switch P15-9 Is At 12V
P14-5	Digital Input	Start Switch (MOM)
P14-7	Digital Input	Enable Foot Switch
P14-9	Digital Input	Left Turn Signal Switch
P14-10	Digital Input	Right Turn Signal Switch
P14-11	Digital Input	Snorkel Guard Proxi Switch
P14-12	Digital Input	Snorkel Guard Override Switch
P14-13	Digital Input	Generator Switch (No Funtions Allowed Ff On)
P14-14	Digital Input	Hydraulic Warm-Up Switch
P15-1	Digital Input	Drive Lights Switch
P15-2	Digital Input	Platform Work Lights Switch

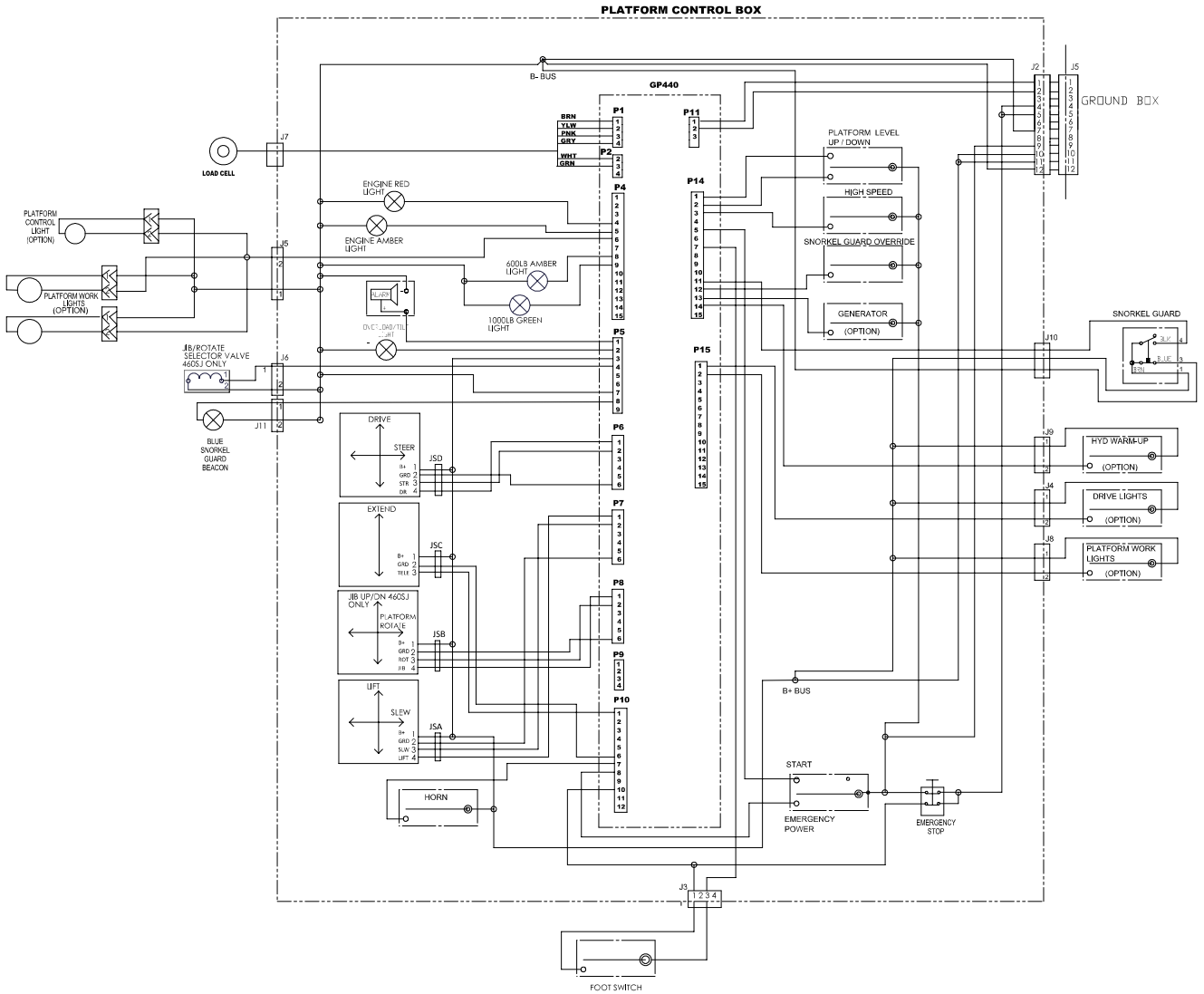
VCCM		
VP1-1	Valve 1 Positive Supply	
VP1-2	Current Control PWM Output	Drive Fwd Prop. Valve
	Valve 1 Minimum Current	0.3A
	Valve 1 Mmaximun Current	1.3A
VP2-1	Valve 2 Positive Supply	
VP2-2	Current Control PWM Output	Drive Reverse Prop. Valve
	Valve 2 Minimum Current	0.3A
	Valve 2 Maximun Current	1.3A
VP3-1	Valve 3 Positive Supply	
VP3-2	Current Control PWM Output	Swing CW Prop. Valve
	Valve 3 Minimum Current	0.3A
	Valve 3 Maximun Current	1.3A
VP4-1	Valve 4 Positive Supply	
VP4-2	Current Control PWM Output	Swing CCW Prop. Valve
	Valve 4 Minimum Current	0.3A
	Valve 4 Maximun Current	1.3A

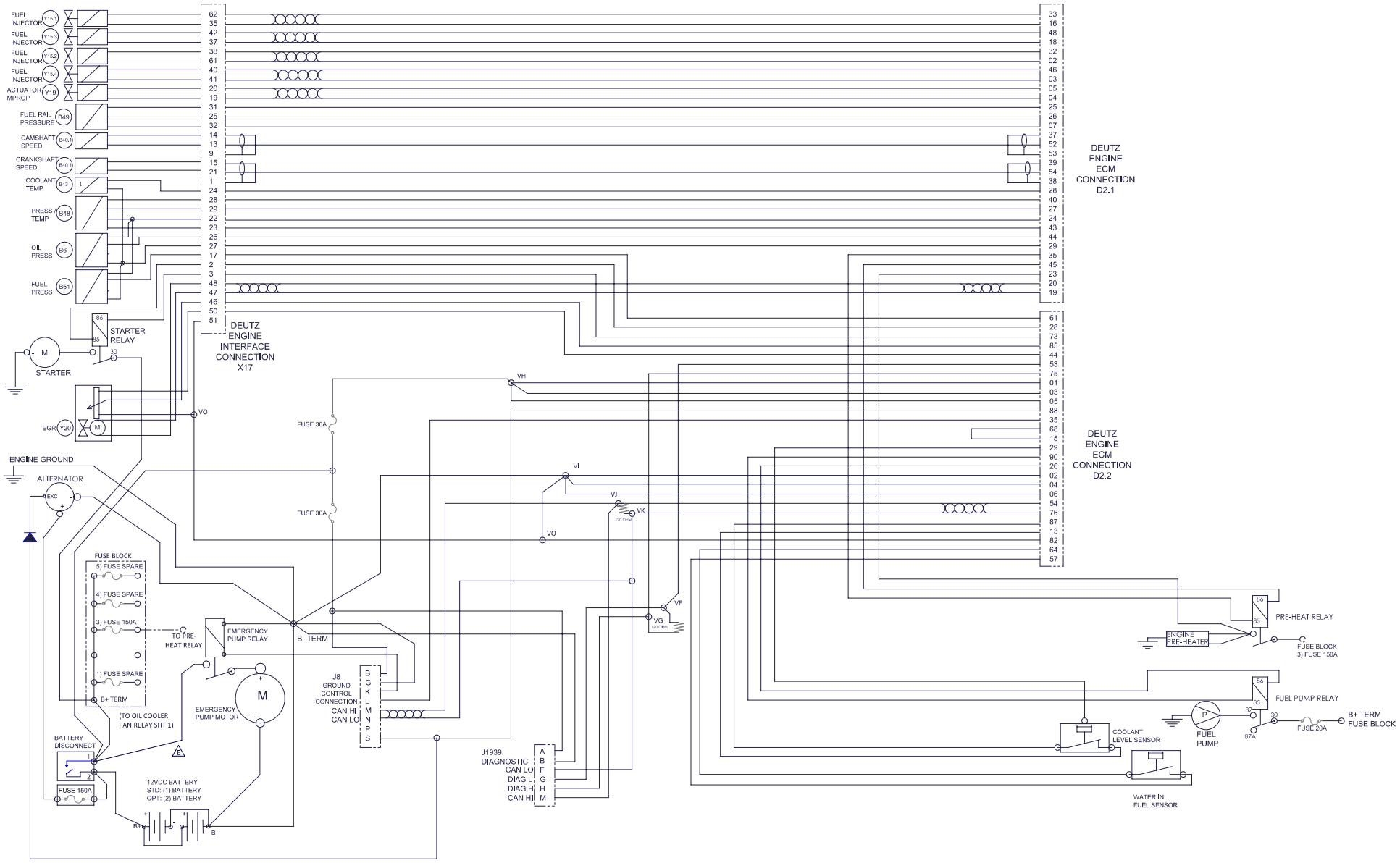
12 V TBM P/N 21 500 340		
TERMINAL	FROM	TO
B+		P7-1 GP400
		B+ Supply To All I/O
B-	B- Battery	B- Supply To All I/O
		To P8-14 of GP400
1	Platform Select Switch	P7-4 of GP400
2	Ground Select Switch	P7-2 of GP400
3		P8-9 of GP400
4	After EMS GND	
5	GP400 Power	P15-10



NOTES:

SHT 1 : 400 / 460 GROUND CONTROL SCHEMATIC
SHT 2 : 400 / 460 PLATFORM CONTROL SCHEMATIC
SHT 3 : 400 / 460 DEUTZ ENGINE SCHEMATIC
SHT 4 : 400 / 460 CONTROL I/O


PLATFORM CONTROL BOX
B- BUS
GP440
J2
J5
GROUND BOX
J7
LOAD CELL
P1
BRN
YLW
PNK
GRY
P2
WHT
GRN
P11
PLATFORM LEVEL
UP / DOWN
ENGINE RED LIGHT
ENGINE AMBER LIGHT
P4
P14
HIGH SPEED
SNORKEL GUARD OVERRIDE
PLATFORM CONTROL LIGHT (OPTION)
PLATFORM WORK LIGHTS (OPTION)
J6
600LB AMBER LIGHT
1000LB GREEN LIGHT
GENERATOR
(OPTION)
SNORKEL GUARD
J10
P5
P15
JIB/ROTATE SELECTOR VALVE 460SJ ONLY
J11
BLUE SNORKEL GUARD BEACON
DRIVE
STEER
JSD
P6
HYD WARM-UP
(OPTION)
J9
J4
DRIVE LIGHTS
(OPTION)
EXTEND
JSC
P7
J8
PLATFORM WORK LIGHTS
(OPTION)
JIB UP/DN 460SJ ONLY
PLATFORM ROTATE
JSB
P8
P9
B+ BUS
LIFT
SLEW
JSA
P10
START
HORN
EMERGENCY POWER
EMERGENCY STOP
J3
FOOT SWITCH

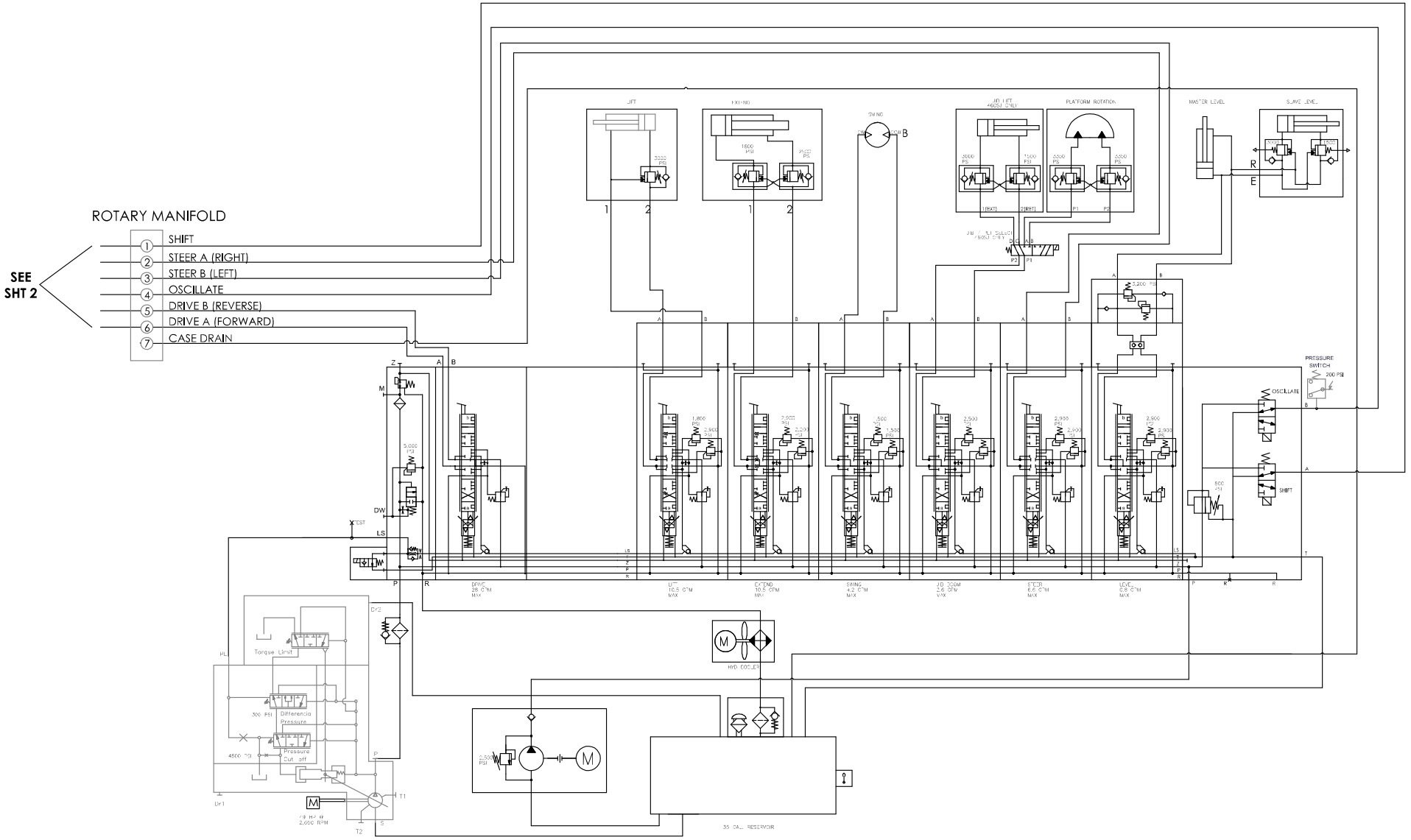

FUEL INJECTOR Y15,1
FUEL INJECTOR Y15,3
FUEL INJECTOR Y15,2
FUEL INJECTOR Y15,4
ACTUATOR MPROP Y19
FUEL RAIL PRESSURE B49
CAMSHAFT SPEED B40,1
CRANKSHAFT SPEED B40,2
COOLANT TEMP B43
PRESS TEMP B48
OIL PRESS B6
FUEL PRESS B51
62 35 42 37 38 61 40 41 20 19 31 25 32 14 13 9 15 21 1 24 28 29 22 23 26 27 17 2 3 48 47 46 50 51
DEUTZ ENGINE INTERFACE CONNECTION X17
33 16 48 18 32 02 46 03 05 04 25 26 07 37 52 53 39 54 38 28 40 27 24 43 44 29 35 45 23 20 19
DEUTZ ENGINE ECM CONNECTION D2.1
61 28 73 85 44 53 75 01 03 05 88 35 68 15 29 90 26 02 04 06 54 76 87 13 82 64 57
DEUTZ ENGINE ECM CONNECTION D2,2
STARTER RELAY
STARTER
EGR Y20
VO
VH
VI
VJ
VK
VF
VG
FUSE 30A
FUSE 30A
ENGINE GROUND
ALTERNATOR
FUSE BLOCK
5) FUSE SPARE
4) FUSE SPARE
3) FUSE 150A
1) FUSE SPARE
B+ TERM
TO PRE-HEAT RELAY
EMERGENCY PUMP RELAY
B- TERM
(TO OIL COOLER FAN RELAY SHT 1)
EMERGENCY PUMP MOTOR
BATTERY DISCONNECT
FUSE 150A
12VDC BATTERY
STD: (1) BATTERY
OPT: (2) BATTERY
J8 GROUND CONTROL CONNECTION
CAN HI
CAN LO
B G K L M N P S
J1939 DIAGNOSTIC
CAN LO
DIAG L
DIAG H
CAN HI
A B F G H M
PRE-HEAT RELAY
ENGINE PRE-HEATER
FUSE BLOCK 3) FUSE 150A
FUEL PUMP RELAY
FUEL PUMP
FUSE 20A
B+ TERM FUSE BLOCK
COOLANT LEVEL SENSOR
WATER IN FUEL SENSOR

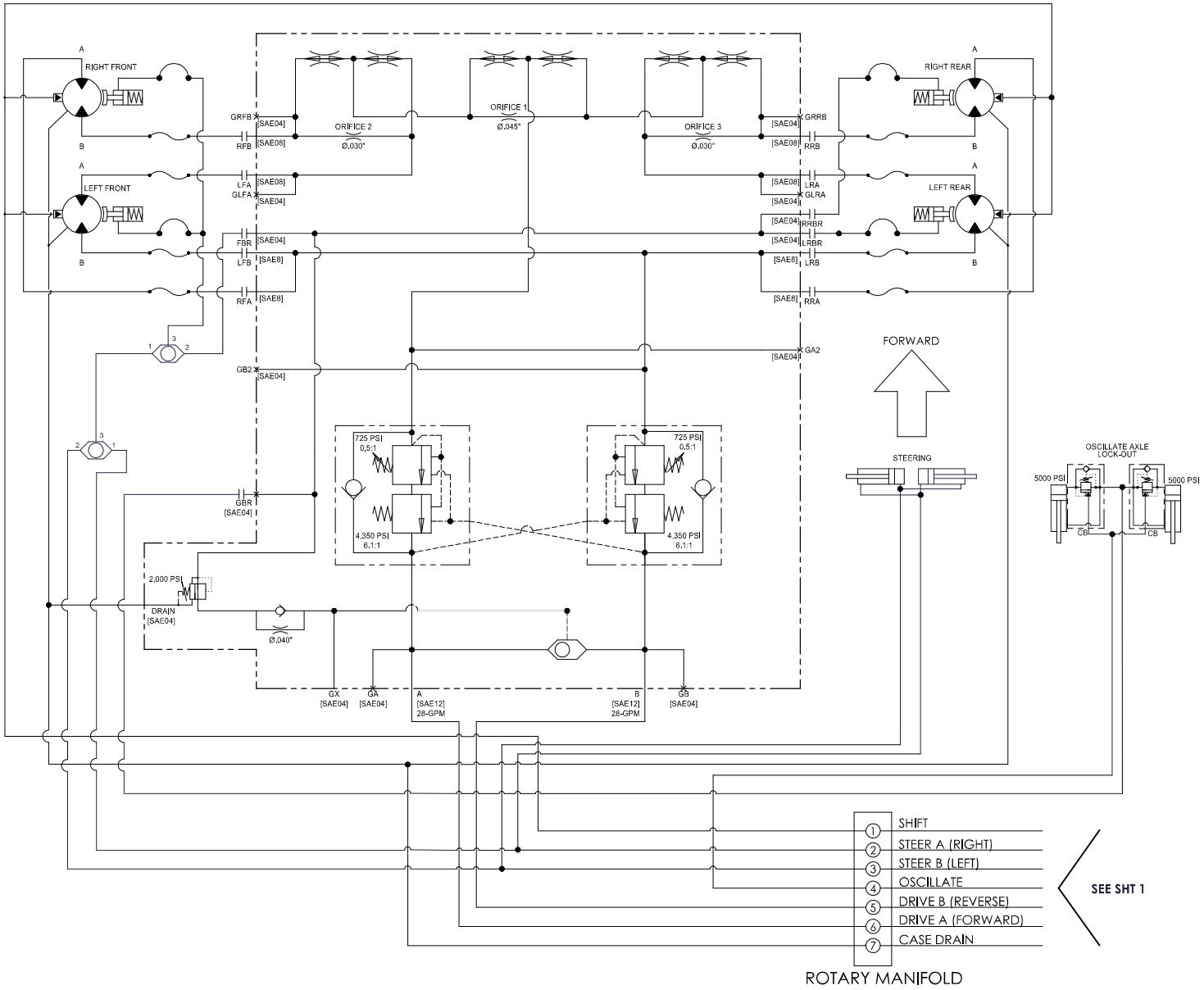
GP400C I/O ALLOCATIONS		400 - 460 DEUTZ ENGINE (CAN)
P1-1	CAN1H	VCCM-P12-1
P1-2	CAN1L	VCCM-P12-2
P1-3	GND	VCCM-P12-3
P4-1	High Side PWM Output	Platform Level Up
P4-4	High Side PWM Output	Platform Level Down
P4-5	High Side PWM Output	Steer Right
P4-7	High Side PWM Output	Snorkel Guard Blue Flashing Light
P4-8	High Side PWM Output	Boom Lift Down
P4-9	High Side PWM Output	Steer Left
P4-10	High Side PWM Output	Boom Lift Up
P4-12	Safe High PWM Output	Axle Oscilate Valve (Energized = No Lock)
P4-13	Safe High Side Output	Starter Relay
P4-14	Safe High Side Output	Load Sense Dump Valve
P4-15	Safe High Side Output	Brake Release Valve
P5-2	High Side 2A Output	Emergency Power Relay
P5-3	High Side 2A Output	Hour Meter
P5-5	High Side 2A Output	Ignition (Key Sw Input To Engine ECU)
P5-6	High Side 2A Output	Generator (Output To Relay)
P5-7	High Side PWM Output	Boom Retract
P5-8	High Side PWM Output	Boom Extend
P5-9	High Side 2A Output	Tilt/Overload Lamp
P5-11	High Side PWM Output	Jib Down/ Platform Rotate CW
P5-15	High Side PWM Output	Jib Up/ Platform Rotate CCW
P6-1	High Side 2A Output	Drive Lights
P6-7	High Side 2A Output	Hydraulic Warm-Up Valve
P6-8	High Side 2A Output	Hydraulic Cooler Valve
P6-12	High Side 2A Output	Horn
P6-13	High Side 2A Output	Lower Alarm
P6-14	High Side 2A Output	Beacon
P6-15	High Side 2A Output	High Speed Valve
P7-1	B+ Digital Input	TBM B+ (Also Used For Switch Common)
P7-2	B+ Digital Input	Ground Select & TBM # 2
P7-4	B+ Digital Input	Platform Select & TBM #1
P7-5	B+ Digital Input	Enable / Enable + E Power
P7-7	B+ Digital Input	Hydraulic Warm-Up Switch
P7-8	B+ Digital Input	Engine Start (Crank) Switch
P7-9	B+ Digital Input	Platform Level Up
P7-10	B+ Digital Input	Platform Level Down
P7-14	Negative (B-) Digital Input	Axle Lock Pressure Switch (NC)
P7-15	Negative (B-) Digital Input	Axle Lock Pressure Switch (NO)
P8-1	Analog Input	Hyd Oil Temp (Also Connected To P8-12)
P8-2	Analog Input	Boom Angle Sensor 1
P8-3	Analog Input	Boom Angle Sensor 2
P8-9	Analog Input	TBM #3
P8-12	+5V Via 1K	Connected To Hyd Oil Temp Input (P8-1)
P8-14	GND	TBM B-
P12-1	CAN2 H	Engine ECU CAN H
P12-2	CAN2 L	Engine ECU CAN L
P12-3	CAN2 GND	CAN 2 GND
P14-1	B+ Digital Input	Platform Rotate CCW
P14-2	B+ Digital Input	Platform Rotate CW
P14-3	B+ Digital Input	Slew centered sw. (NO)
P14-6	B+ Digital Input	Slew centered sw. (NC)
P14-8	B+ Digital Input	Elevation Switch (NC)
P14-9	B+ Digital Input	Boom Length Sensor 1
P14-10	B+ Digital Input	Boom Length Sensor 2
P15-1	B+ Digital Input	Boom Extend
P15-2	B+ Digital Input	Boom Retract
P15-3	B+ Digital Input	Swing CW
P15-4	B+ Digital Input	Swing CCW
P15-5	B+ Digital Input	Boom Up
P15-6	B+ Digital Input	Boom Down
P15-7	B+ Digital Input	Jib Up
P15-8	B+ Digital Input	Jib Down
P15-9	B+ Digital Input	Elevation Switch (NO)
P15-10	B+ Protected Supply	TBM #5 (Boost Supply)

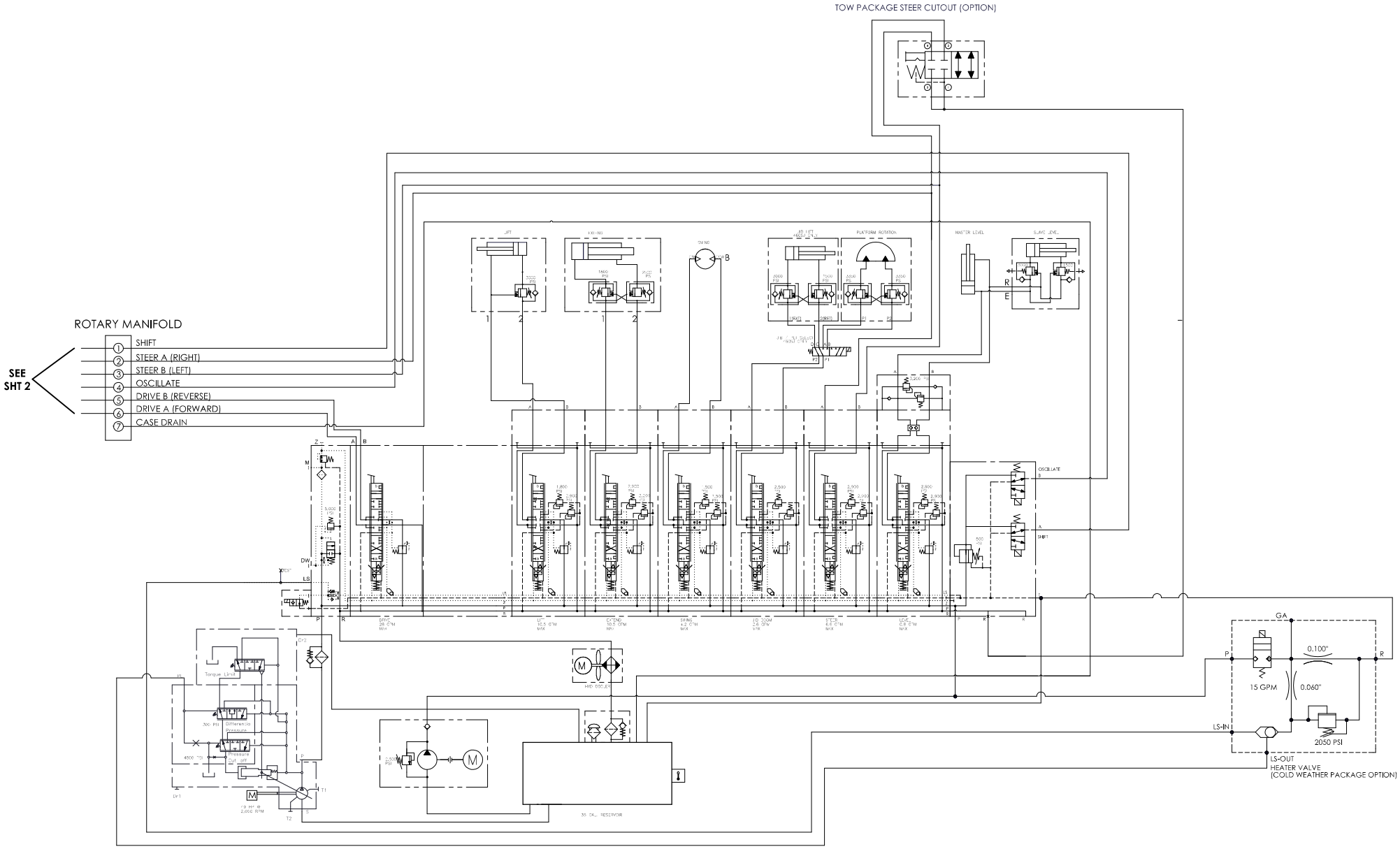
GP440 I/O ALLOCATIONS		400 - 460 DEUTZ ENGINE (CAN)
Load Cell #1		
P1-1	+5Volts	BRN
P1-2	Diff. +	YLW
P1-3	Diff. -	PNK
P1-4	GND	GRY
Load Cell #3		
P2-2	Diff. +	WHT
P2-3	Diff. -	GRN
P4-1	High Side 2A Output	Left Turn Signal Light
P4-2	High Side 2A Output	Right Turn Signal Light
P4-3	High Side 2A Output	Tail Light
P4-4	High Side 2A Output	Engine Red Stop Lamp
P4-5	High Side 2A Output	Engine Amber Warning Lamp
P4-6	High Side 2A Output	Platform Work Lights
P4-8	High side 2A output	600lb region Light
P4-9	High side 2A output	1000lb region Light
P5-1	High Side 2A Output	Upper Alarm
P5-2	High Side 2A Output	Overload (ON) / Tilt (Flashing) Lamp
P5-3	Board Supply	12V Supply From TBM B+
P5-4	High Side 2A Output	Platform Rotate Enable Valve (Jib Function When Disable)
P5-7	GND	Battery Ground Supply
P5-8	High Side 2A Output	Snorkel Guard Blue Flashing Light
Joystick #1		
P6-1	Analog Input	Drive
P6-2	Analog Input	Steer
P6-6	GND	GND
Joystick #2		
P7-1	Analog Input	Lift
P7-2	Analog Input	Swing
P7-6	GND	GND
Joystick #3		
P8-1	Analog Input	Jib
P8-2	Analog Input	Platform Rotate
P8-6	GND	GND
Joystick #4		
P10-1	Analog Input	Boom Extend/Retract
P10-6	GND	GND
P10-7	Digital Input	Horn Switch
P10-8	Digital Input	Emergency Power (MOM)
P10-10	Digital Input	Ignition
P11-1	CANH VCCM-P13-1	P12-1
P11-2	CANL VCCM-P13-2	P12-2
P11-3	GND	
P14-1	Digital Input	Platform Level Up
P14-2	Digital Input	Platform Level Down
P14-3	Digital Input	Drive High Speed Turn P6-15 Only If Elev Switch P15-9 Is At 12V
P14-5	Digital Input	Start Switch (MOM)
P14-7	Digital Input	Enable Foot Switch
P14-9	Digital Input	Left Turn Signal Switch
P14-10	Digital Input	Right Turn Signal Switch
P14-11	Digital Input	Snorkel Guard Proxi Switch
P14-12	Digital Input	Snorkel Guard Override Switch
P14-13	Digital Input	Generator Switch (No Funtions Allowed Ff On)
P14-14	Digital Input	Hydraulic Warm-Up Switch
P15-1	Digital Input	Drive Lights Switch
P15-2	Digital Input	Platform Work Lights Switch

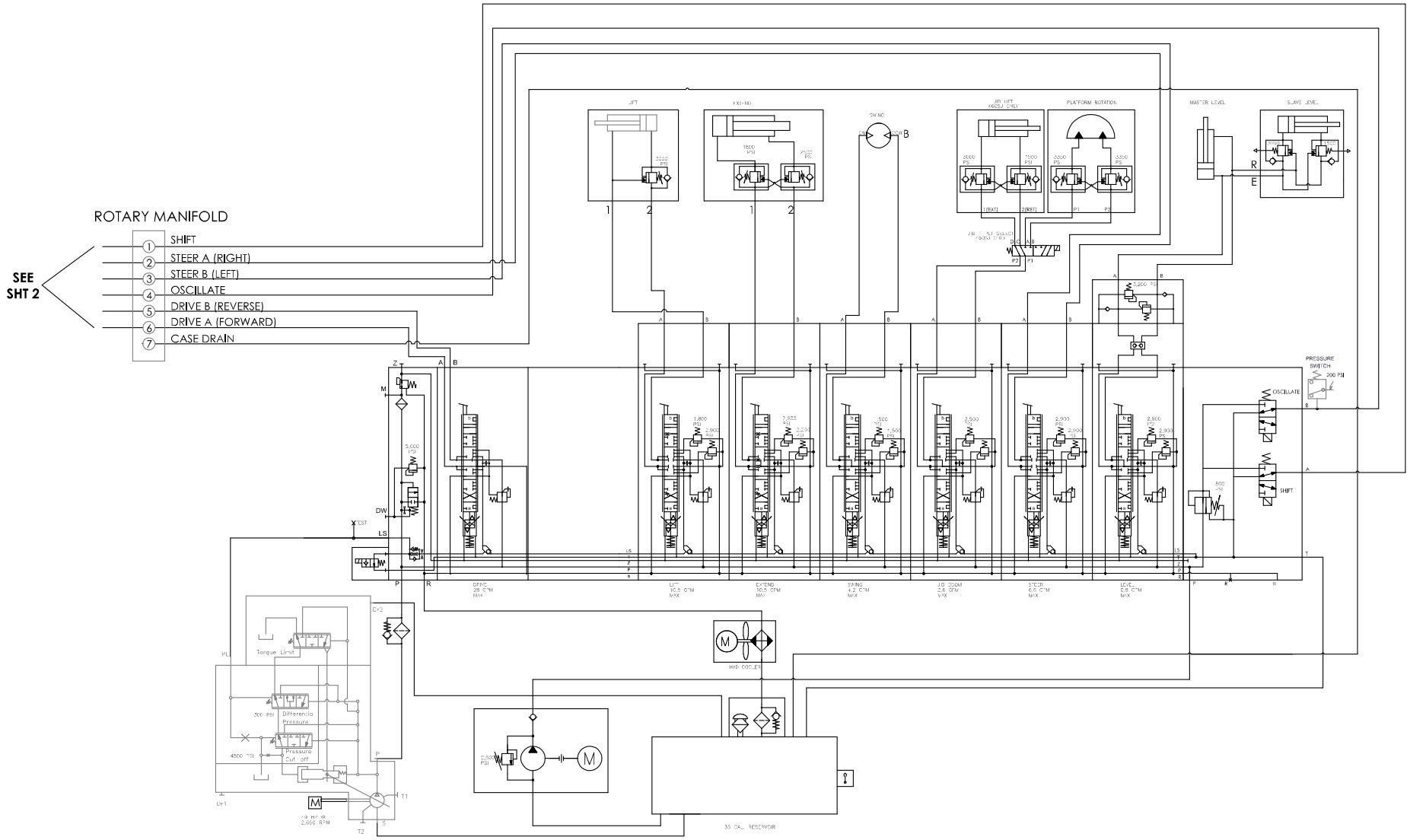
VCCM		
VP1-1	Valve 1 Positive Supply	
VP1-2	Current Control PWM Output	Drive Fwd Prop. Valve
	Valve 1 Minimum Current	0.3A
	Valve 1 Mmaximun Current	1.3A
VP2-1	Valve 2 Positive Supply	
VP2-2	Current Control PWM Output	Drive Reverse Prop. Valve
	Valve 2 Minimum Current	0.3A
	Valve 2 Maximun Current	1.3A
VP3-1	Valve 3 Positive Supply	
VP3-2	Current Control PWM Output	Swing CW Prop. Valve
	Valve 3 Minimum Current	0.3A
	Valve 3 Maximun Current	1.3A
VP4-1	Valve 4 Positive Supply	
VP4-2	Current Control PWM Output	Swing CCW Prop. Valve
	Valve 4 Minimum Current	0.3A
	Valve 4 Maximun Current	1.3A

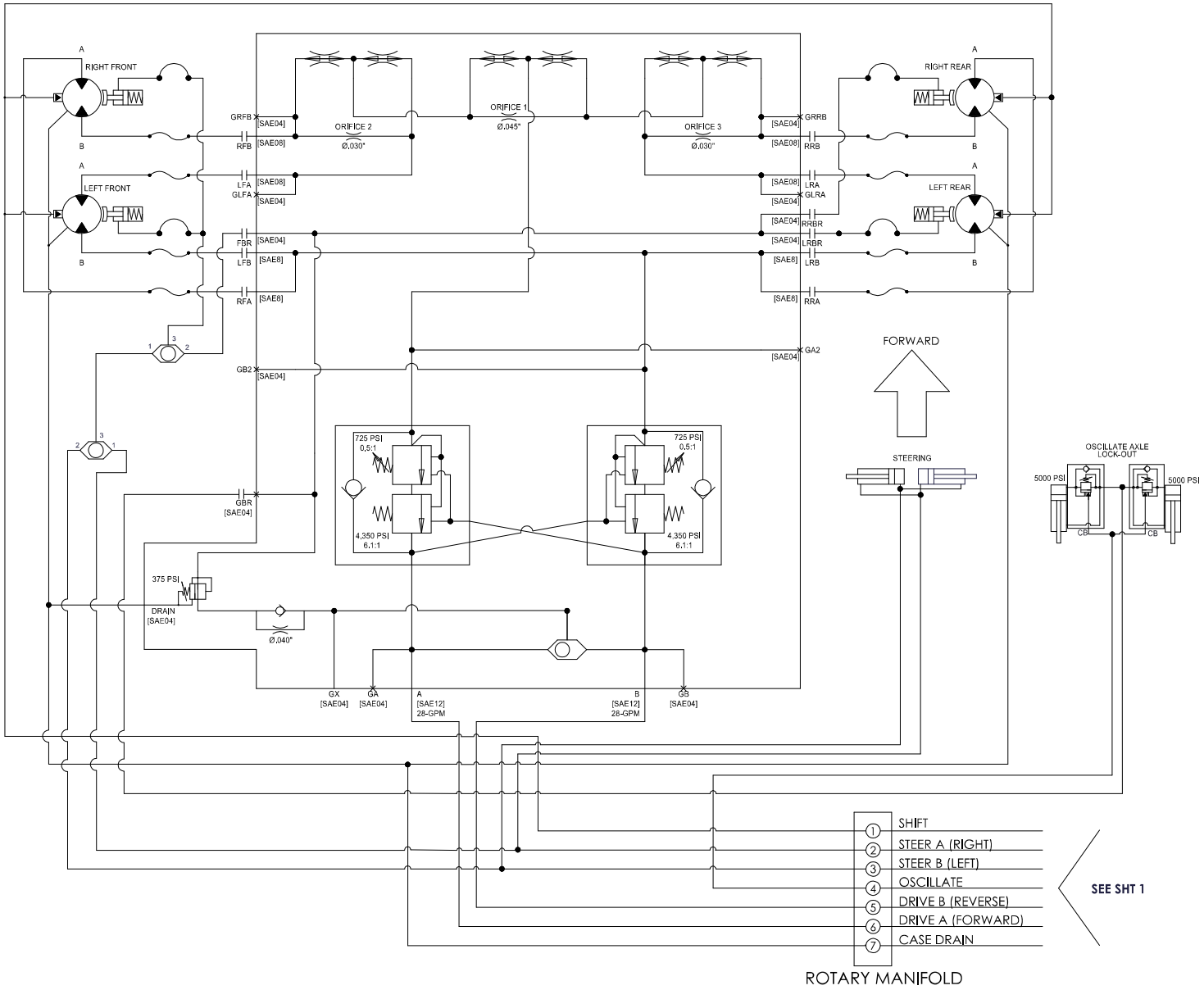
12 V TBM P/N 21 500 340		
TERMINAL	FROM	TO
B+		P7-1 GP400
		B+ Supply To All I/O
B-	B- Battery	B- Supply To All I/O
		To P8-14 of GP400
1	Platform Select Switch	P7-4 of GP400
2	Ground Select Switch	P7-2 of GP400
3		P8-9 of GP400
4	After EMS GND	
5	GP400 Power	P15-10

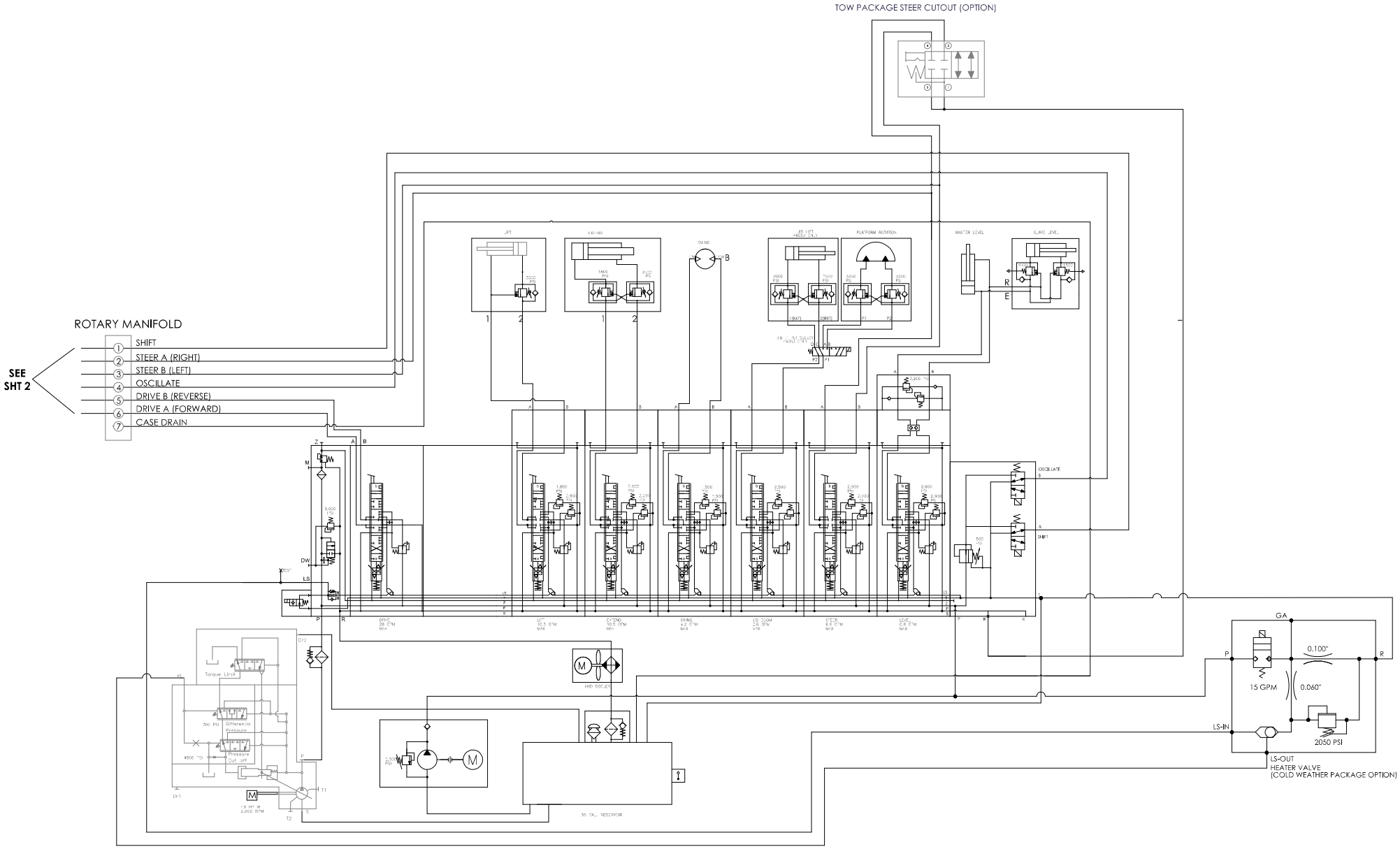

ROTARY MANIFOLD
SEE SHT 2
1 SHIFT
2 STEER A (RIGHT)
3 STEER B (LEFT)
4 OSCILLATE
5 DRIVE B (REVERSE)
6 DRIVE A (FORWARD)
7 CASE DRAIN
LIFT
EXTEND
SWING
JIB LIFT
PLATFORM ROTATION
MASTER LEVEL
SLAVE LEVEL
PRESSURE SWITCH
200 PSI
OSCILLATE
SHIFT
DRIVE
LIFT
EXTEND
SWING
JIB BOOM
STEER
LEVEL
Torque Limit
Differencial Pressure
Pressure Cut off
HYD COOLER
35 GAL. RESERVOIR


RIGHT FRONT
LEFT FRONT
RIGHT REAR
LEFT REAR
A
B
GRFB
RFB
LFA
GLFA
FBR
LFB
RFA
GRRB
RRB
LRA
GLRA
RRBR
LRBR
LRB
RRA
[SAE04]
[SAE08]
[SAE6]
ORIFICE 1
Ø.045"
ORIFICE 2
Ø.030"
ORIFICE 3
Ø.030"
GB2
GA2
GBR
725 PSI
0.5:1
4,350 PSI
6.1:1
2,000 PSI
DRAIN
Ø.040"
GX
GA
GB
A
[SAE12]
28-GPM
FORWARD
STEERING
OSCILLATE AXLE
LOCK-OUT
5000 PSI
CB
SHIFT
STEER A (RIGHT)
STEER B (LEFT)
OSCILLATE
DRIVE B (REVERSE)
DRIVE A (FORWARD)
CASE DRAIN
SEE SHT 1
ROTARY MANIFOLD


TOW PACKAGE STEER CUTOUT (OPTION)
ROTARY MANIFOLD
SEE SHT 2
1 SHIFT
2 STEER A (RIGHT)
3 STEER B (LEFT)
4 OSCILLATE
5 DRIVE B (REVERSE)
6 DRIVE A (FORWARD)
7 CASE DRAIN
LIFT
SWING
PLATFORM ROTATION
MASTER LEVEL
SLAVE LEVEL
OSCILLATE
SHIFT
GA
0.100"
0.060"
15 GPM
2050 PSI
LS-IN
LS-OUT
HEATER VALVE
(COLD WEATHER PACKAGE OPTION)


ROTARY MANIFOLD
SEE SHT 2
1 SHIFT
2 STEER A (RIGHT)
3 STEER B (LEFT)
4 OSCILLATE
5 DRIVE B (REVERSE)
6 DRIVE A (FORWARD)
7 CASE DRAIN
JIFT
MAST
SWING
JIB LIFT
PLATFORM ROTATION
MASTER LEVEL
SLAVE LEVEL
PRESSURE SWITCH
200 PSI
OSCILLATE
SHIFT
DRIVE
LIFT
EXTEND
SWING
JIB BOOM
STEER
LEVEL
HYD COOLER
Torque Limit
Differential Pressure
Pressure Cut off
35 GAL. RESERVOIR


RIGHT FRONT
LEFT FRONT
RIGHT REAR
LEFT REAR
A
B
GRFB [SAE04]
RFB [SAE08]
LFA [SAE08]
GLFA [SAE04]
FBR [SAE04]
LFB [SAE8]
RFA [SAE8]
ORIFICE 2 Ø.030"
ORIFICE 1 Ø.045"
ORIFICE 3 Ø.030"
GRRB [SAE04]
RRB [SAE08]
LRA [SAE08]
GLRA [SAE04]
RRBR [SAE04]
LRBR [SAE04]
LRB [SAE8]
RRA [SAE8]
GB2 [SAE04]
GA2 [SAE04]
GBR [SAE04]
725 PSI 0,5:1
4,350 PSI 6,1:1
375 PSI
DRAIN [SAE04]
Ø.040"
GX [SAE04]
GA [SAE04]
A [SAE12] 28-GPM
B [SAE12] 28-GPM
GB [SAE04]
FORWARD
STEERING
OSCILLATE AXLE LOCK-OUT
5000 PSI
CB
SHIFT
STEER A (RIGHT)
STEER B (LEFT)
OSCILLATE
DRIVE B (REVERSE)
DRIVE A (FORWARD)
CASE DRAIN
SEE SHT 1
ROTARY MANIFOLD


TOW PACKAGE STEER CUTOUT (OPTION)
ROTARY MANIFOLD
SEE SHT 2
1 SHIFT
2 STEER A (RIGHT)
3 STEER B (LEFT)
4 OSCILLATE
5 DRIVE B (REVERSE)
6 DRIVE A (FORWARD)
7 CASE DRAIN
LIFT
PLATFORM ROTATION
MASTER LEVEL
SLAVE LEVEL
OSCILLATE
SHIFT
DRIVE
LIFT
EXTEND
SWING
JIB BOOM
STEER
LEVEL
GA
0.100"
0.060"
15 GPM
2050 PSI
LS-IN
LS-OUT
HEATER VALVE
(COLD WEATHER PACKAGE OPTION)
35 GAL. RESERVOIR

A
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