

TimberPro Inc.
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765C Series Parts Manual

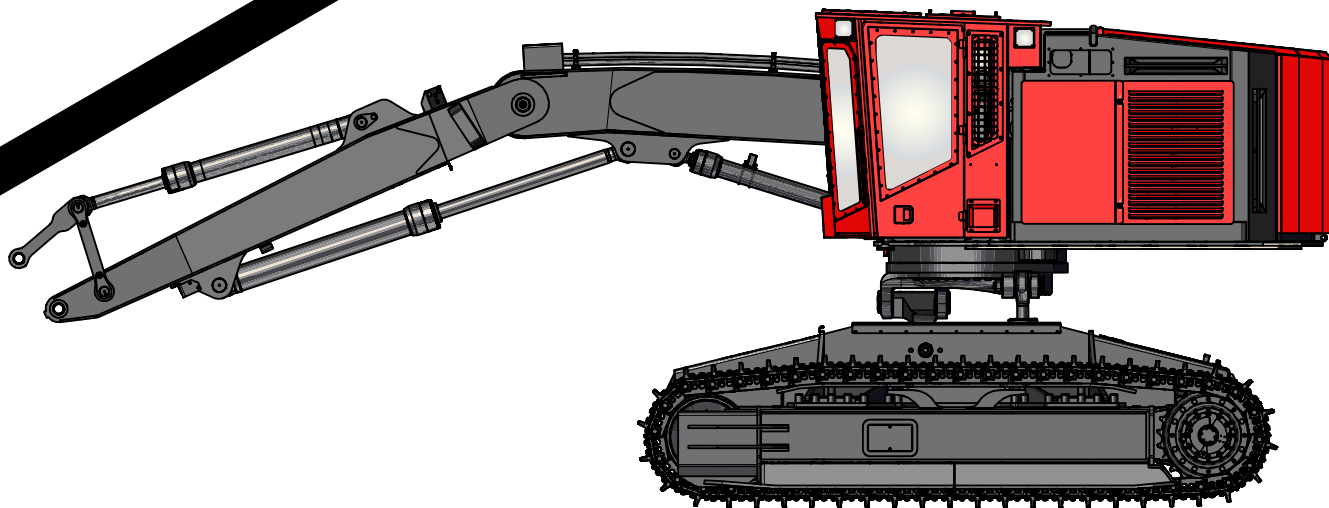


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765C Series



SECTION	DESCRIPTION
UP	Upper Turntable Components
EE	Electronic Engines
OC	Operator Cab Components
ES	Electrical Systems Components
OH	Optional Heaters
DH	Drive Hydraulics
FH	Feller Buncher Boom Components
FB	Feller Buncher Boom Hydraulics
LV	Leveling Frame Components
NV	Non-Leveling Frame Components
TS	Track System Components

Explantion of Hose Assemblies

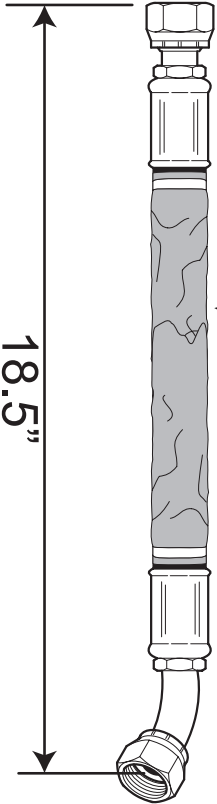
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Hydraulic Hose Code

Common Hose Description: 2018.5-08-080S-0804-WS

2 018.5 - 08 - 08 0S - 08 04 - WS

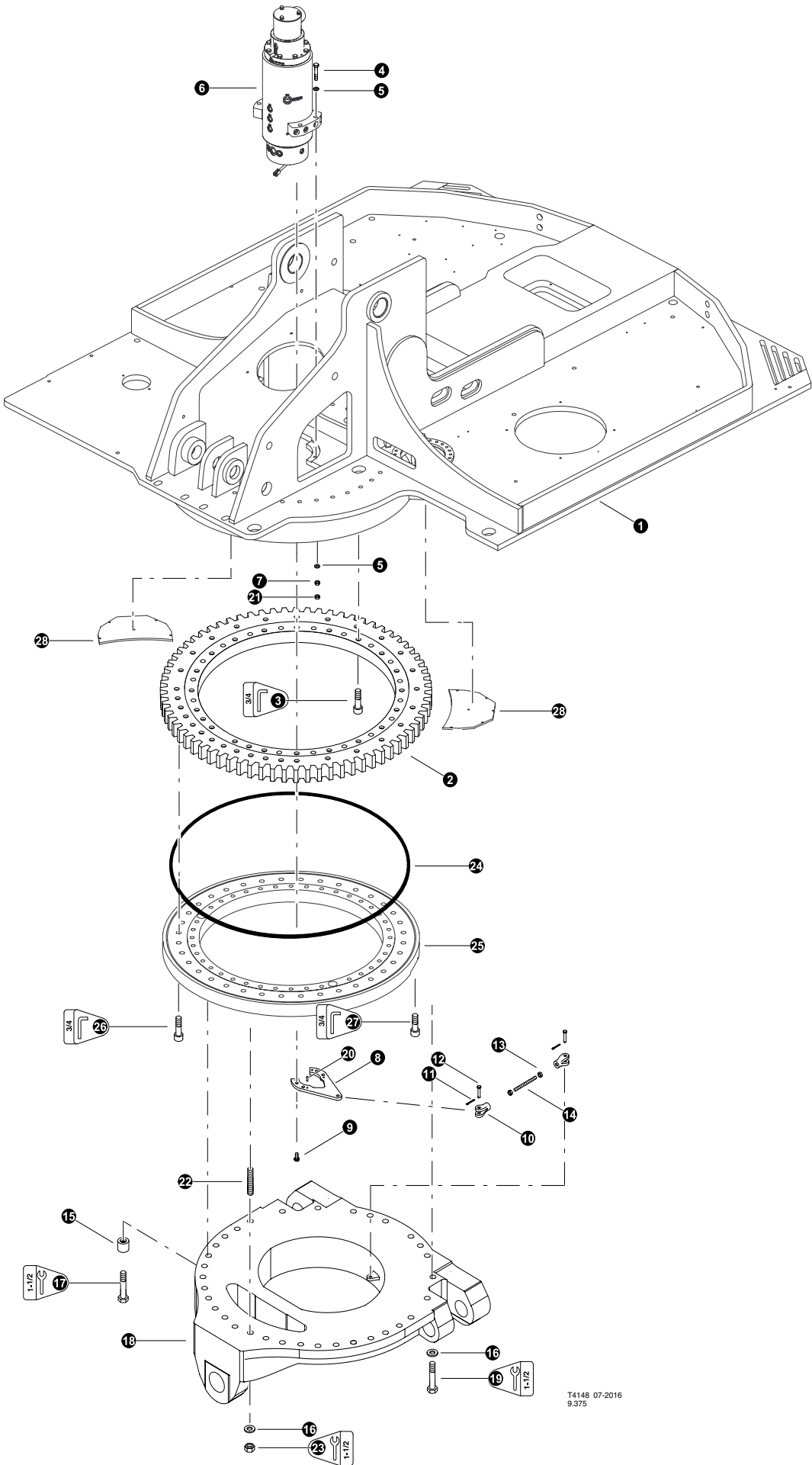
# of Wires (Pressure Rating)	Overall Length	Special	Hose Diameter	Coupling 1 Size	Style 1	Coupling 2 Size	Style 2	Protective Wrap
2 4 5 6	XXX (inches)	CS FR FS	02 = 1/8" 04 = 1/4" 06 = 3/8" 08 = 1/2" 10 = 5/8" 12 = 3/4" 16 = 1" 20 = 1 1/4" 24 = 1 1/2" 32 = 2" 48 = 2 1/2"	02 04 06 08 10 12 16 20 24 32 48		02 04 06 08 10 12 16 20 24 32 48		WS = Wear Sleeve SW = Sprial Wrap AG = Flat Armor Guard SG = Metal Spring Guard AC = Against Curve



Fitting Styles
MJ = Male Jic Str. JS Female Jic Str. J4 = Female Jic 45 J9 = Female Jic 90 OM = Male O-Ring Face OS = Female O-Ring Face O4 = Female O-Ring Face 45 O9 = Female O-Ring Face 90
MP = Male Pipe FP = Female Pipe PS = Male Pipe Swivel PA = Code 61 Flange PA4 = Code 61 Flange 45 PA9 = Code 61 Flange 90 PH = Code 62 Flange PH4 = Code 62 Flange 45 PH9 = Code 62 Flange 90

Section UP-1

Upper Turntable - Structural Components, Doors, and Covers



T4148 07-2016
9.375

UPPER TURNTABLE INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	48400-UP	1		WELDMENT, UPPER - 765C SERIES TAILSWING	
2	55589-UP	1		BEARING, SWING - DOUBLE BALL (TL765)	
3	57466-UP	30		BOLT, ALLEN HEAD - 1" X 4.5" (Torque to 1000 ft.lbs (1355 Nm))	
4	10838-UP	4		BOLT - .625" X 5" (see note 2)	
5	23210-UP	8		WASHER, SAE FLAT - .625" (EXTRA THICK)	
6	REF.	1		ROTARY MANIFOLD	UP-1
7	17515-UP	4		NUT, HEX - .625"	
8	46863-UP	1		BRACKET, SWIVEL LOCK - TORQUE ARM T/M	
9	20661-UP	2		BOLT - 16MM-2.0P X 35MM (must drill hole in head for safety wire)(See Note 1 Below)	
	22464-UP	10"		WIRE, safety - 16 gauge	
10	52381-UP	2		YOKE, ROTARY MANIFOLD (810) 5/8 X 5/8	
11	-UP	2		KEY, COTTER	
12	-UP	2		PIN,	
13	52395-UP	2		NUT, JAM .63-18NF HEX (PLATED)	
14	52394-UP	1		STUD, 5/8"-18NF X 7.5 LG (ZINC PLATED)	
15	12463-UP	10		SPACER, bolt - Standard	
16	18532-UP	12		WASHER, SAE FLAT THICK - 1"	
17	50263-UP	10		BOLT - 1" x 5.5" (Torque to 1000 ft.lbs (1350 Nm))	
18	REF.	1		LOWER TURNTABLE - LEVELING	LV
19	18529-UP	10		BOLT - 1" x 8.5" (Torque to 1000 ft.lbs (1350 Nm))	
20	52995-UP	3		DOWEL, ROTARY MANIFOLD LOCK (2 PER)	
21	10816-UP	4		NUT, LOCK - .625" (see note 2)	
22	53586-UP	2		STUD - 1"- 8 X 7" TRACK MACHINE	
23	19073-UP	2		NUT, HEX - 1"	
24	48601-UP	-	-	ORING, CORD - .25" - (765) (169.5" needed)	
25	47030-UP	1		PLATE, BRG SUPPORT RING - TL765C	
26	15577-UP	30		BOLT, ALLEN HEAD - 1" X 3.5"	
27	-UP	4		BOLT, ALLEN HEAD - 1" X 3"	
28	48691-UP	2		COVER, ACCESS - PINION GEAR	

 See reference page for component or assembly breakdown.

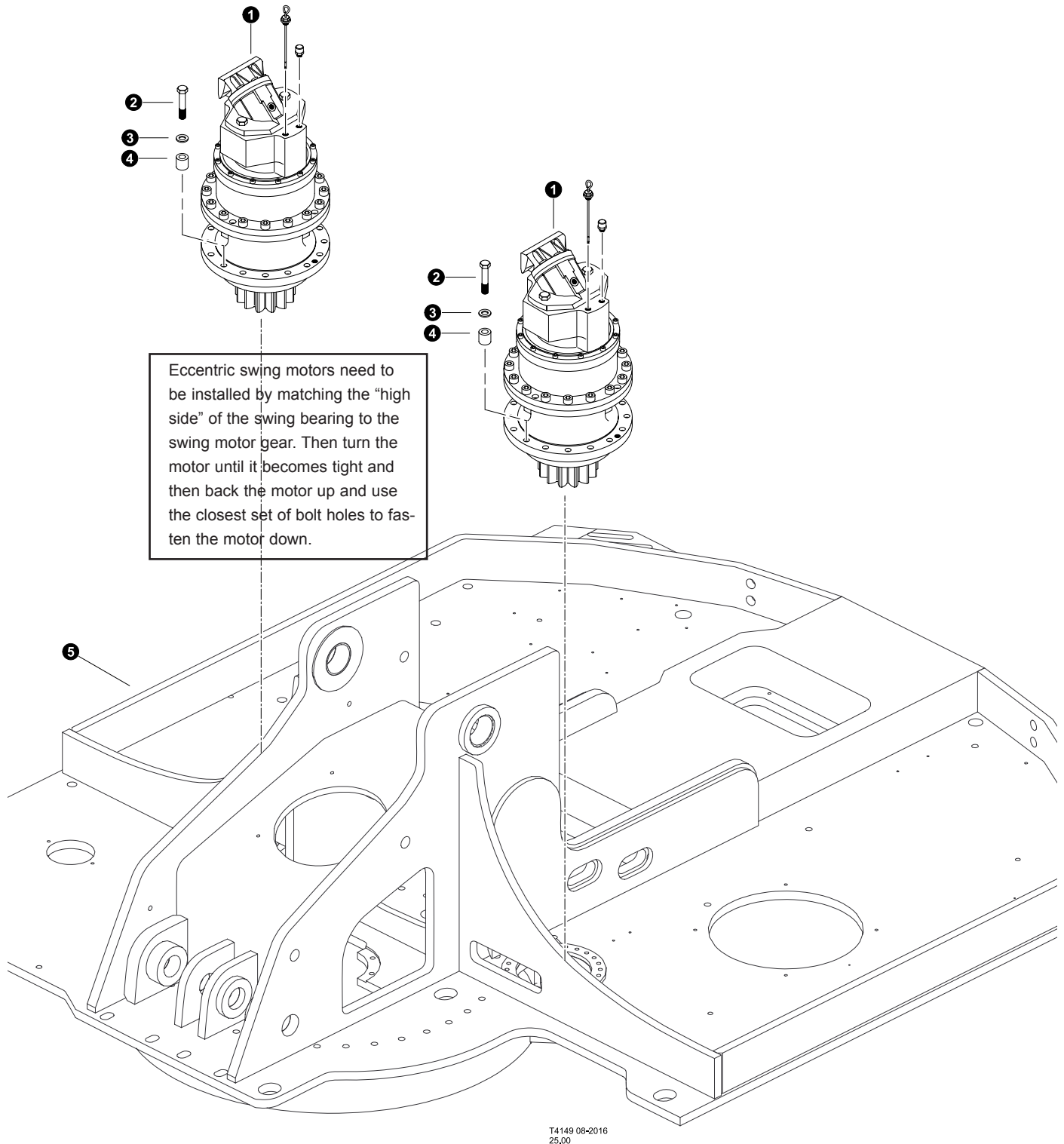
 Kit or Assembly - includes all items indented underneath.

Note: 1

Use Loctite 272 (blue) during installation.

Note: 2

Use Loctite 272 (red - high strength) during installation.

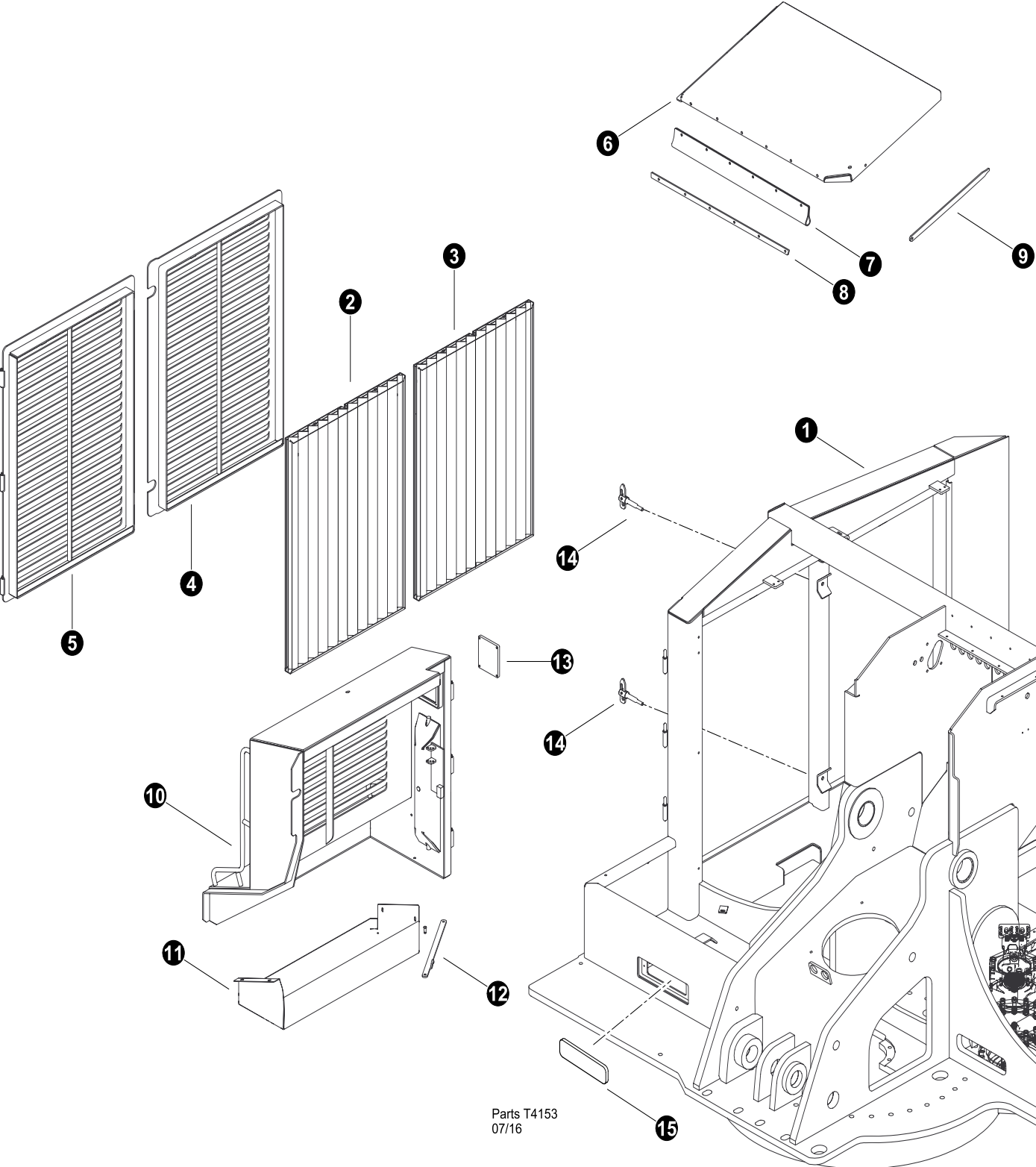


SWING MOTOR INSTALLATION (Lohmann/Rexroth)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		SWING MOTOR - Lohmann/Rexroth	LH,HH
2	10720-UP	23		BOLT - 5/8" x 3.75" (Torque to 230 ft.lbs (310 Nm)) (see note 1)	
3	58098-UP	23		WASHER, LOCKING	
4	19242-UP	23		SPACER, bolt	
5	REF.	1		UPPER TURNTABLE WELDMENT	UP-1

Special Note:

 See reference page for component or assembly breakdown.



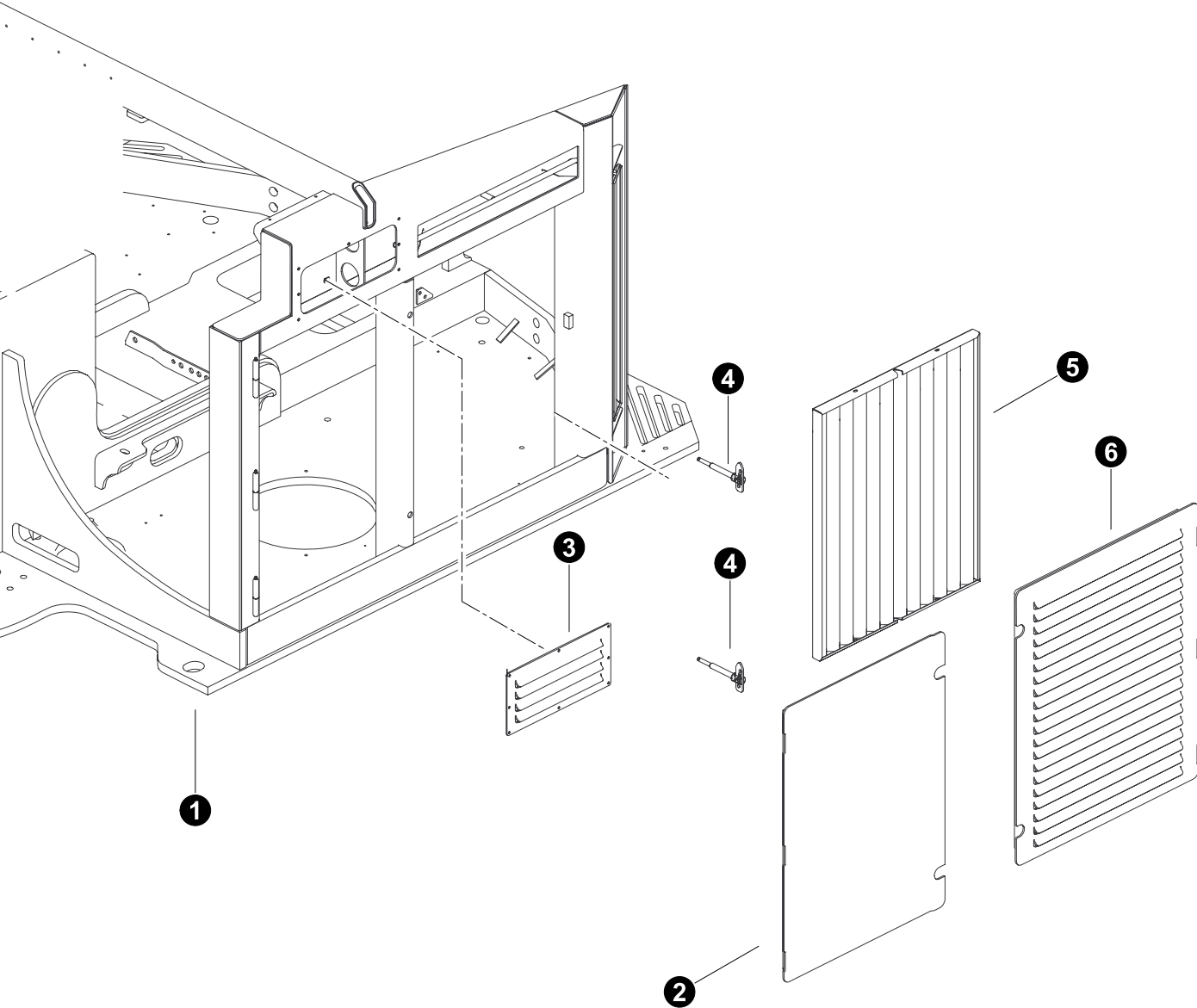
UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION

(Front Door and Side Radiator Door Install)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		UPPER TURNTABLE WELDMENT	UP-1
2	48506-UP	1		SCREEN, COOLER (765)	
3	48506-UP	1		SCREEN, COOLER (765)	
4	48497-UP	1		DOOR, COOLER - REAR	
5	48493-UP	1		DOOR, COOLER - FRONT	
6	48315-UP	1		WELDMENT, FOLD UP DOOR	
7	47151-UP	1		RUBBER, SWING OUT DOOR FLAP	
8	46987-UP	1		BAR, RUBBER - FRONT DOOR (C SERIES)	
9	48747-UP	1		BAR, PROP ROD	
10	48471-UP	1		WELDMENT, FRONT DOOR - TAIL SWING	
11	48697-UP	1		WELDMENT, TOOLBOX TAILSWING	
12	46513-UP	1		DOOR, FRONT PROP-ROD - C MODEL	
13	53081-UP	1		LEXAN, LIGHT	
14	48211-UP	2		LATCH, CAM - 4"	
15	47198-UP	1		LEXAN, LED LIGHT 10"- C SERIES	



See reference page for component or assembly breakdown.



T4154 09-2016
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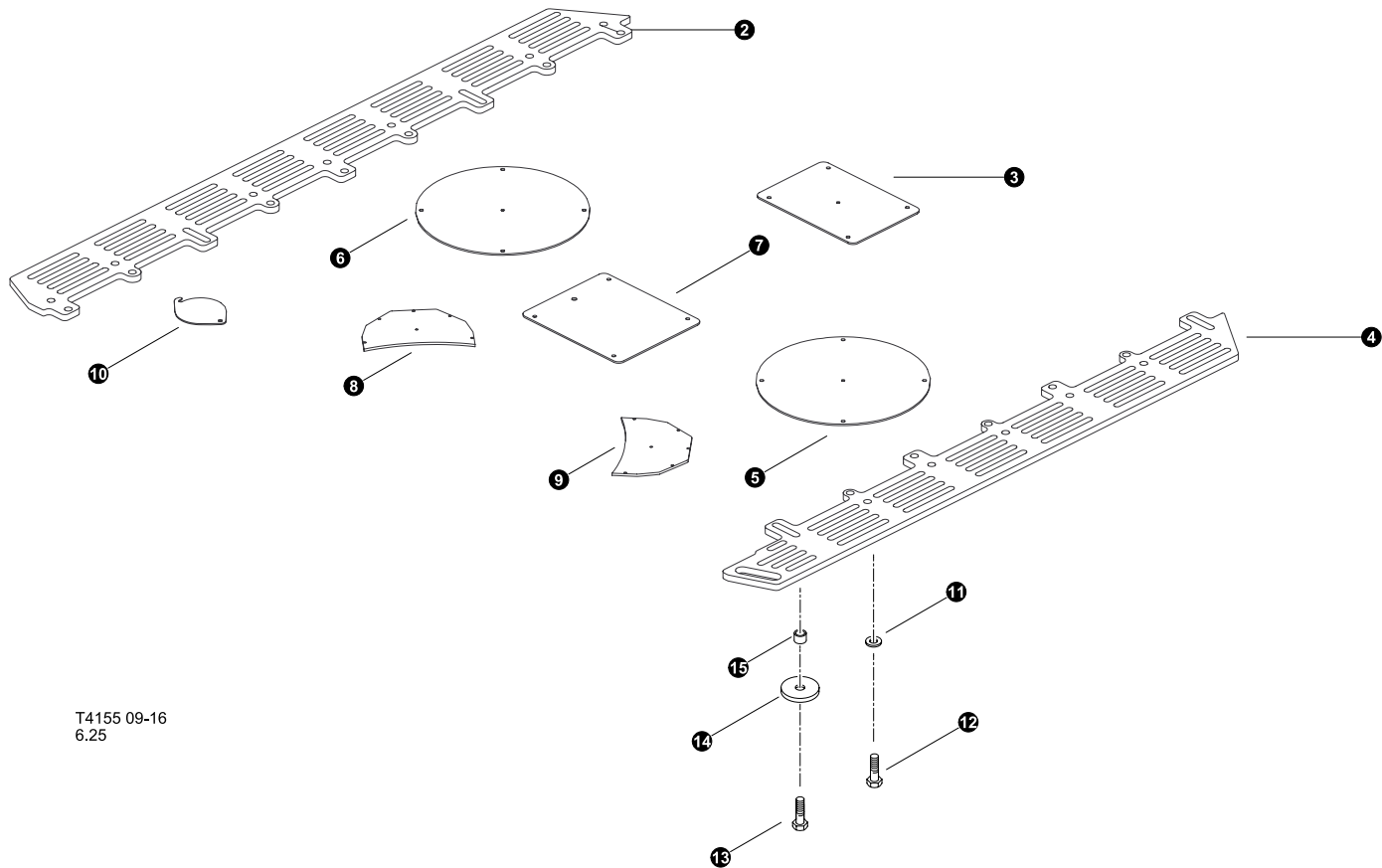
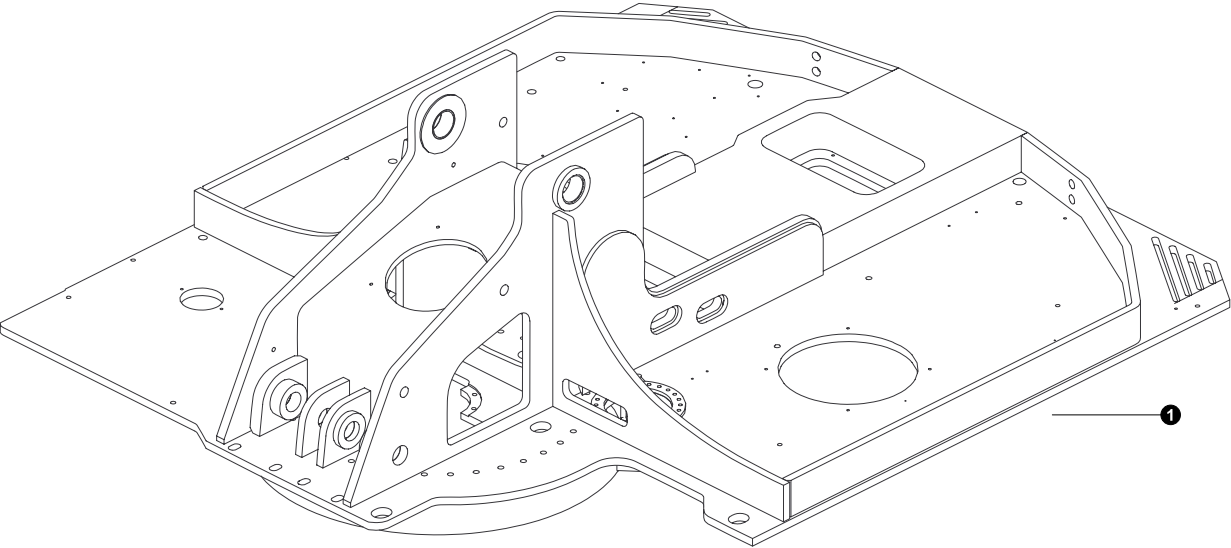
UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION

(Electrical Panel and Pump Door Installation)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		UPPER TURNTABLE WELDMENT	UP-1
2	48188-UP	1		WELDMENT, E-PANEL DOOR FRONT - 765C	
3	48553-UP	1		COVER, GRILLE - AIR INTAKE	
4	48211-UP	2		LATCH, CAM - 4"	
5	48503-UP	1		SCREEN, DOOR - PUMP (765)	
6	48498-UP	1		DOOR, PANEL - ELECTRICAL (765)	



See reference page for component or assembly breakdown.



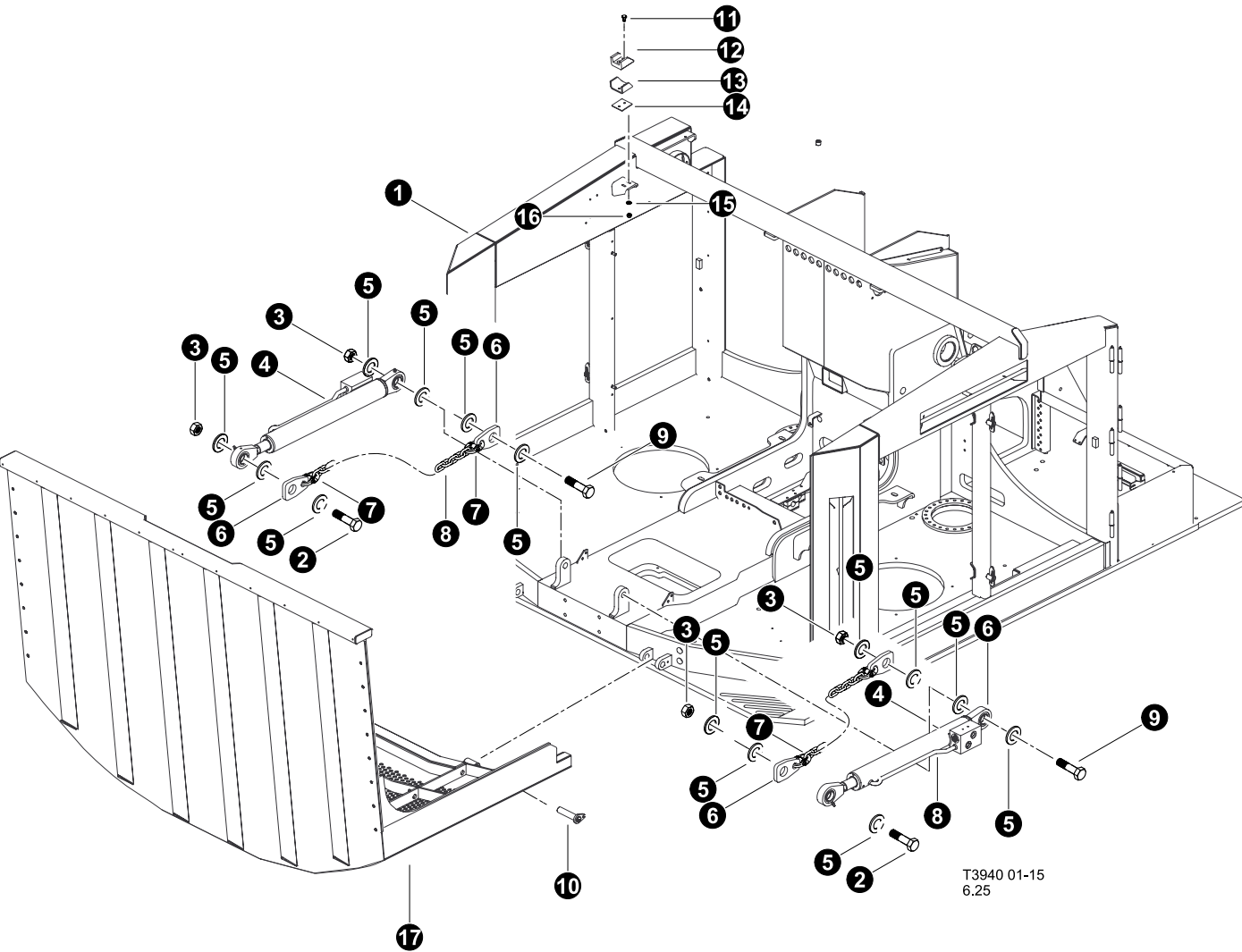
T4155 09-16
6.25

UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (LOWER COVER and CAT WALK INSTALLATIONS)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		UPPER TURNTABLE WELDMENT	UP-1
2	48529-UP	1		PLATE, COOLER SIDE CAT WALK - TL765C	
3	47507-UP	1		PLATE, COVER-TAILSWING	
4	48528-UP	1		PLATE, CAB SIDE CAT WALK - TL765C	
5	48526-UP	1		COVER, ROUND - LARGE	
6	48526-UP	1		COVER, ROUND - LARGE	
7	47517-UP	1		PLATE, COVER - 765	
8	48691-UP	2		COVER, ACCESS - PINION GEAR	
9	48691-UP	1		COVER, ACCESS - PINION GEAR	
10	12150-UP	1		COVER, ACCESS - RAD FILL / STEER CYL	
11	50464-UP	10		WASHER, SAE FLAT - .75" (EXTRA THICK)	
12	23000-UP	10		BOLT - .75" X 2.25"	
13	23000-UP	4		BOLT - .75" X 2.25"	
14	47267-UP	4		WASHER, ENGINE MOUNT	
15	-UP	4		SPACER, 1.125" X 1"	



See reference page for component or assembly breakdown.



UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION

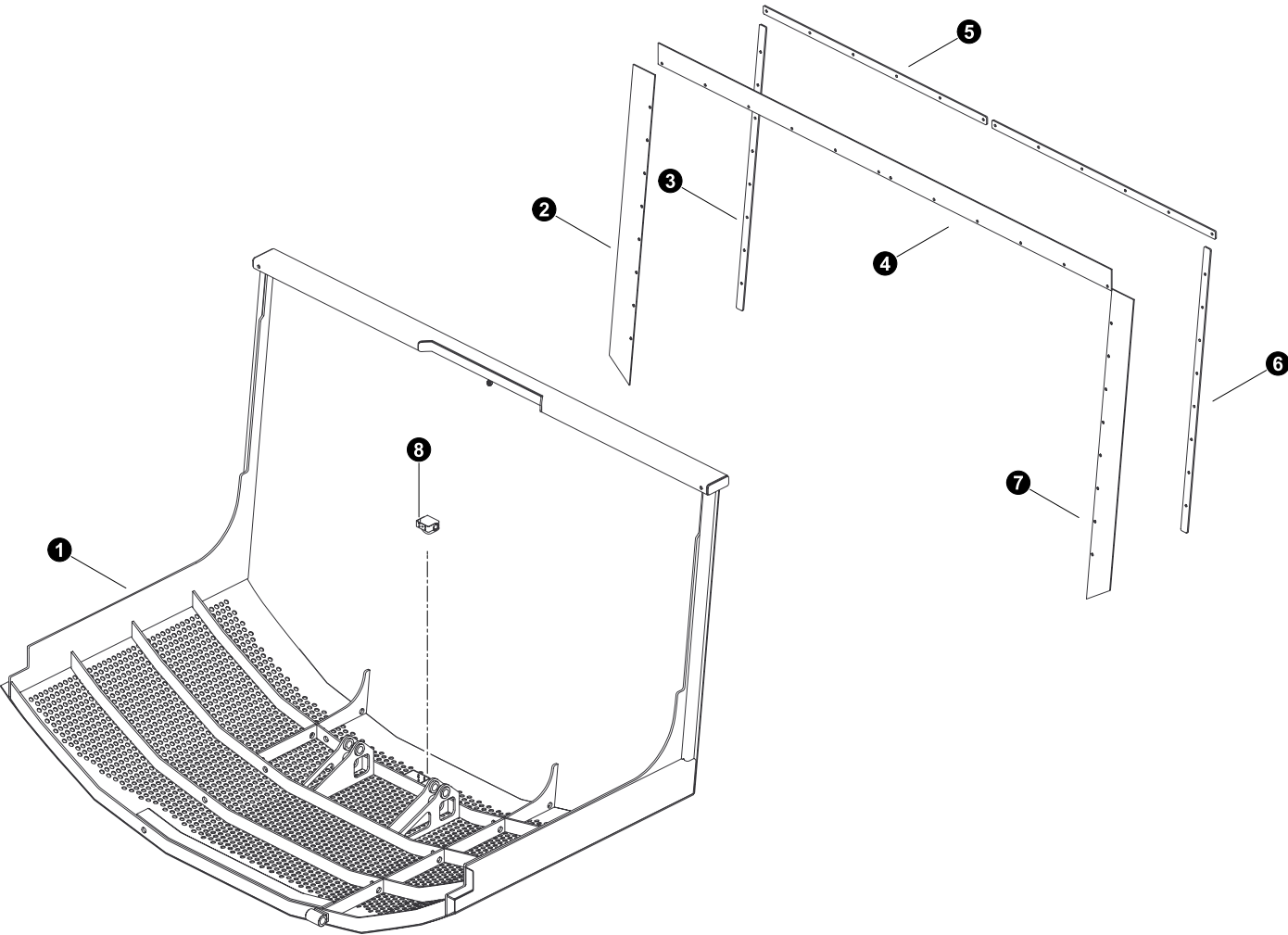
(Gull Wing Door Installation)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		UPPER TURNTABLE WELDMENT	UP-1
2	55114-UP	2		BOLT, GULLWING - ROD END 1.25" X 8"	
3	52026-UP	4		NUT, HEX GULLWING CYL. - 1.25" - GRD 9 (See Note1)	
4	REF.	2		GULL WING CYLINDER.	UP-1
5	22531-UP	8		WASHER, SAE FLAT - 1.25"	
6	52844-UP	4		LINK, GULLWING SAFETY CHAIN	
7	54260-UP	4		CLEVIS, 3/8" - GULLWING (2 PER) NEW	
8	54261UP	2		CHAIN, 23 LINK - GULLWING GR 80	
9	52025-UP	2		BOLT, GULLWING CYL. - 1.25" - 7 X 7"	
10	48390-UP	2		PIN, GULLWING PIVOT - WELDMENT	
11	10823-UP	4		BOLT - .3125" X 2"	
12	54511-UP	2		ISOLATOR, GULLWING MOUNTING-UHMW BLOCK	
13	54512-UP	2		CHANNEL, ISOLATOR MOUNT - GULLWING	
14	54520-UP	2		SPACER, GULLWING ISOLATOR	
15	15559-UP	4		WASHER, SAE FLAT - .3125"	
16	1078 8-UP	4		NUT, NYLOCK - .3125"	
17	REF	1		DOOR, GULLWING - ASSEMBLY	UP-1

 See reference page for component or assembly breakdown.

Note: 1

Use Loctite 272 (blue) during installation.



UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION

(Gull Wing Assembly and Installation)

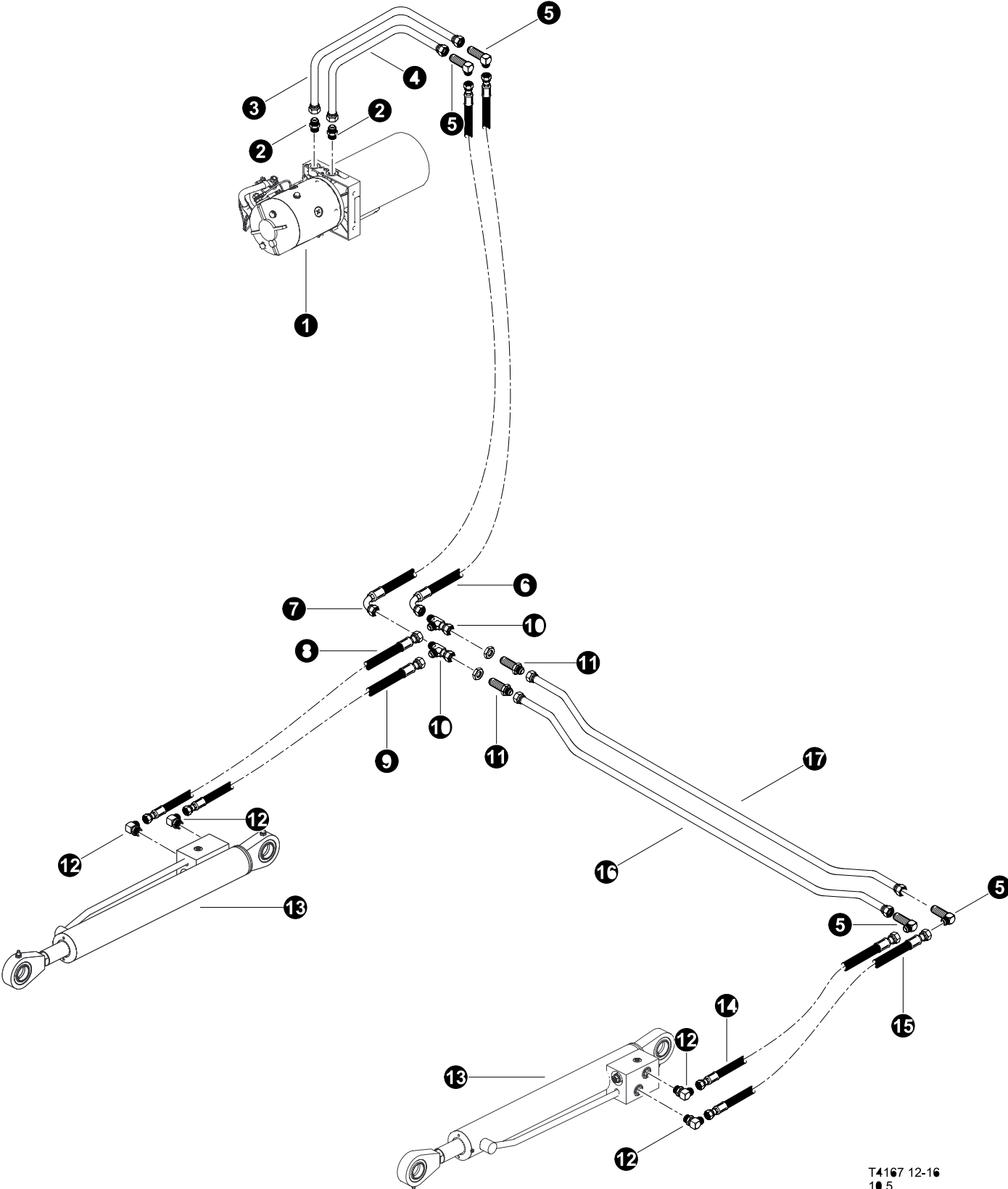
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	48450-UP	1	GULLWING - 765	
2	48625-UP	1	RUBBER, GULLWING - TAIL SWING	
3	48469-UP	1	BAR, RUBBER HOLD DOWN	
4	48626-UP	1	RUBBER, GULLWING FRONT - TAIL	
5	48457-UP	2	BAR, RUBBER HOLD DOWN - Front	
6	48469-UP	1	BAR, RUBBER HOLD DOWN	
7	48625-UP	1	RUBBER, GULLWING - TAIL SWING	
8	VCCS150	1	REAR VIEW CAMERA	



See reference page for component or assembly breakdown.



Item sold in bulk (per foot). Please specify on order amount needed.



T4167 12-16
10.5

UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION

(Gull Wing CYL and PUMP INSTALL)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		PUMP, POWER UNIT - GULL WING W/PENDANT	UP-1
2	15124-UP	2		CONNECTOR, STR - FF1852T-0406S	
3	55592-UP	1		TUBELINE, CANOPY LIFT PUMP A PORT	
4	55593-UP	1		TUBELINE, CANOPY LIFT PUMP TO B PORT	
5	54808-UP	4		90* Bulkhead Union Elbow -4 JIC with L/N	
6	-UP	1		HOSE ASSEMBLY - 2148-04OS-0409	
7	-UP	1		HOSE ASSEMBLY - 2148-04OS-0409	
8	-UP	1		HOSE ASSEMBLY - 2016-04OS-040S	
9	-UP	1		HOSE ASSEMBLY - 2014.5-04OS-040S	
10	55677-UP	2		04 - JIC TEE	
11	55383-UP	2		BULKHEAD STR 04	
12	15133-UP	2		ELBOW, 90 - FF1868T-0406S	
13	REF.	2		GULL WING CYLINDER.	UP-1
14	-UP	1		HOSE ASSEMBLY - 2014.5-04OS-040S	
15	-UP	1		HOSE ASSEMBLY - 2016-04OS-040S	
16	57337-UP	1		TUBELINE, CANOPY CYL BULKHEAD	
17	57337-UP	1		TUBELINE, CANOPY CYL BULKHEAD	

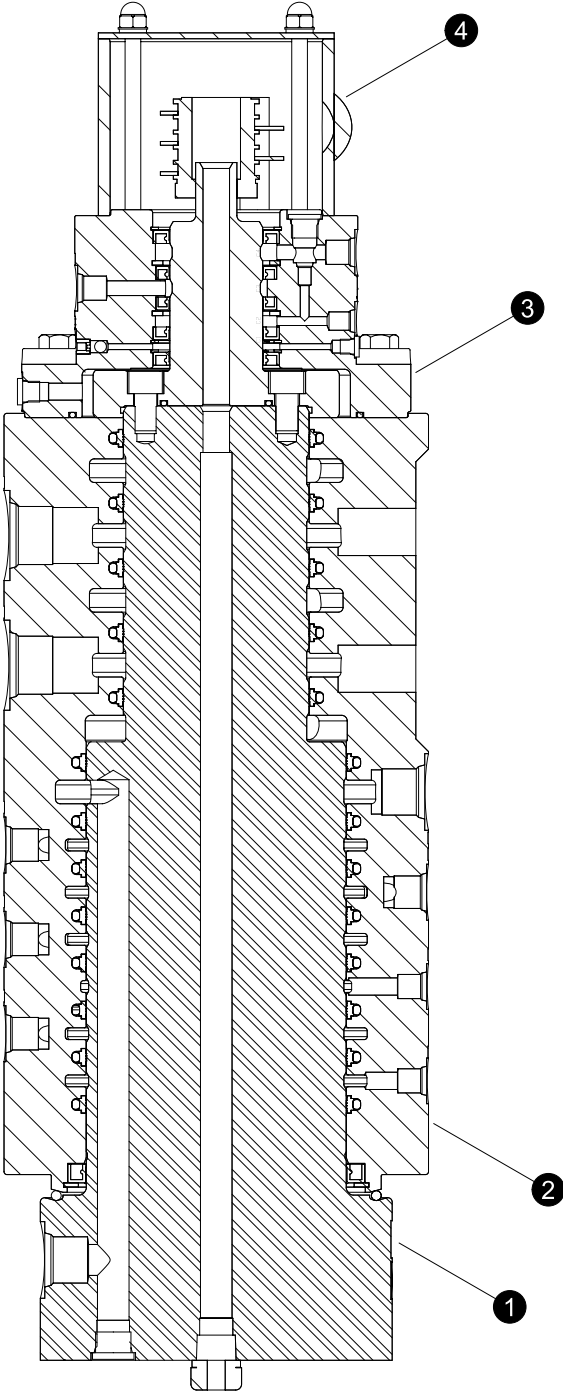
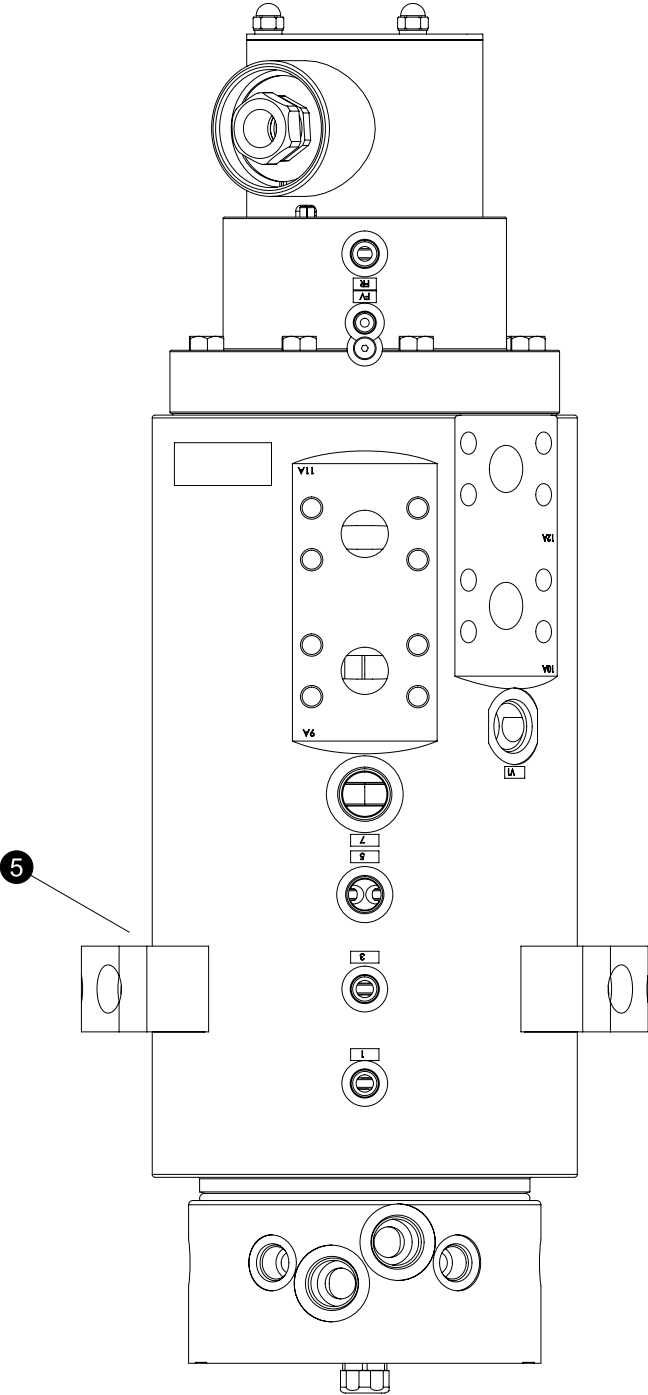
 See reference page for component or assembly breakdown.

Note: 1

Use Loctite 272 (blue) during installation.

(Used on machines PDN# 000FWD and above)

REF	PART #	QTY		DESCRIPTION	SEE PAGE



Parts T3712 09/08
18.75

UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (Gull Wing Options)

(HYDRA DYNE ROTORY MANIFOLD)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	52810-UP	1	☐	MANIFOLD, ROTARY - 14 PORT TRACK	
1	TP1414001	1		SPOOL, ROTARY -	
2	TP1414002	1		BARREL, 14 PASS ROTARY -	
3					
4	54547-UP	1		WIPER, ELECTRIC - 4 CIRCUIT TRACK Standard	
-	54100-UP			SLIP RING UNIT (8 WIRE) Optional for Auto Level	
5		2		MOUNTING PLATE - HD1214003	
-		8		BOLT, Allen M16 X 40mm (for mounting plate)	
-	54354-UP	1	⌘	KIT, SEAL REPAIR	



See reference page for component or assembly breakdown.

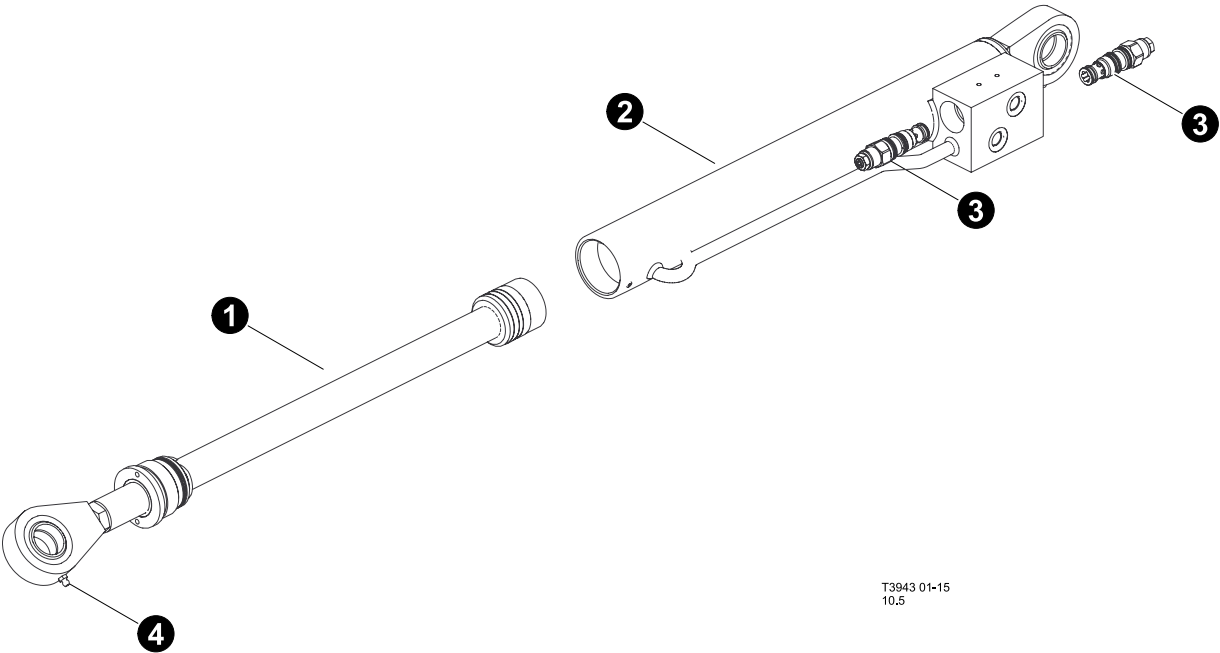


Kit or Assembly - includes all items indented underneath.



Parts Included in Seal Repair Kit.

Please contact TimberPro Dealer or Factory before attempting to disassemble or repair rotary manifold. Rotary manifolds need to be serviced by authorized TimberPro service technicians only.



UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (Gull Wing Lift Cylinder Breakdown)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	55137-UP	1	☐	CYLINDER, GULLWING LIFT - COLUMBUS	
1		1		ROD ASSEMBLY ()	
2		1		BARREL ASSEMBLY (BRL2.00-5656)	
3		2		CARTRIDGE, COUNTER BALANCE (VAL0700)	
4		2		GREASE FITTING (ZRK2500)	
	55501-UP	1		SEAL KIT, RKT2.000-1082	

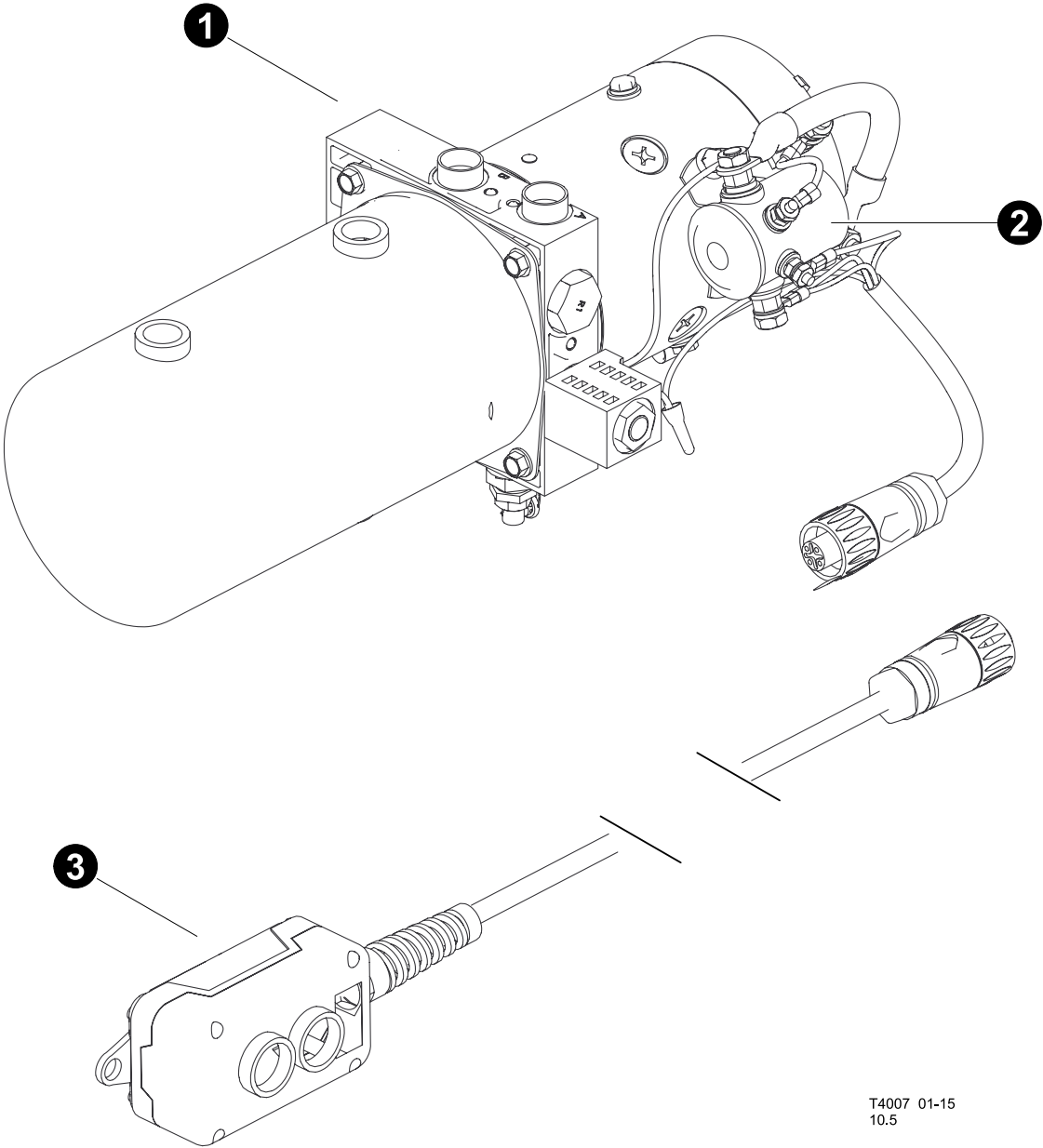


See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.

Please contact TimberPro Dealer or Factory before attempting to disassemble or repair rotary manifold. Rotary manifolds need to be serviced by authorized TimberPro service technicians only.



T4007 01-15
10.5

UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION

(Gull Wing Pump)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	51577-UP	1	☐	PUMP, POWER UNIT - GULL WING W/PENDANT	
2	K-03463	1		24VDC SOLENOID	
3	395-23	1		PENDANT w/2 buttons	



See reference page for component or assembly breakdown.

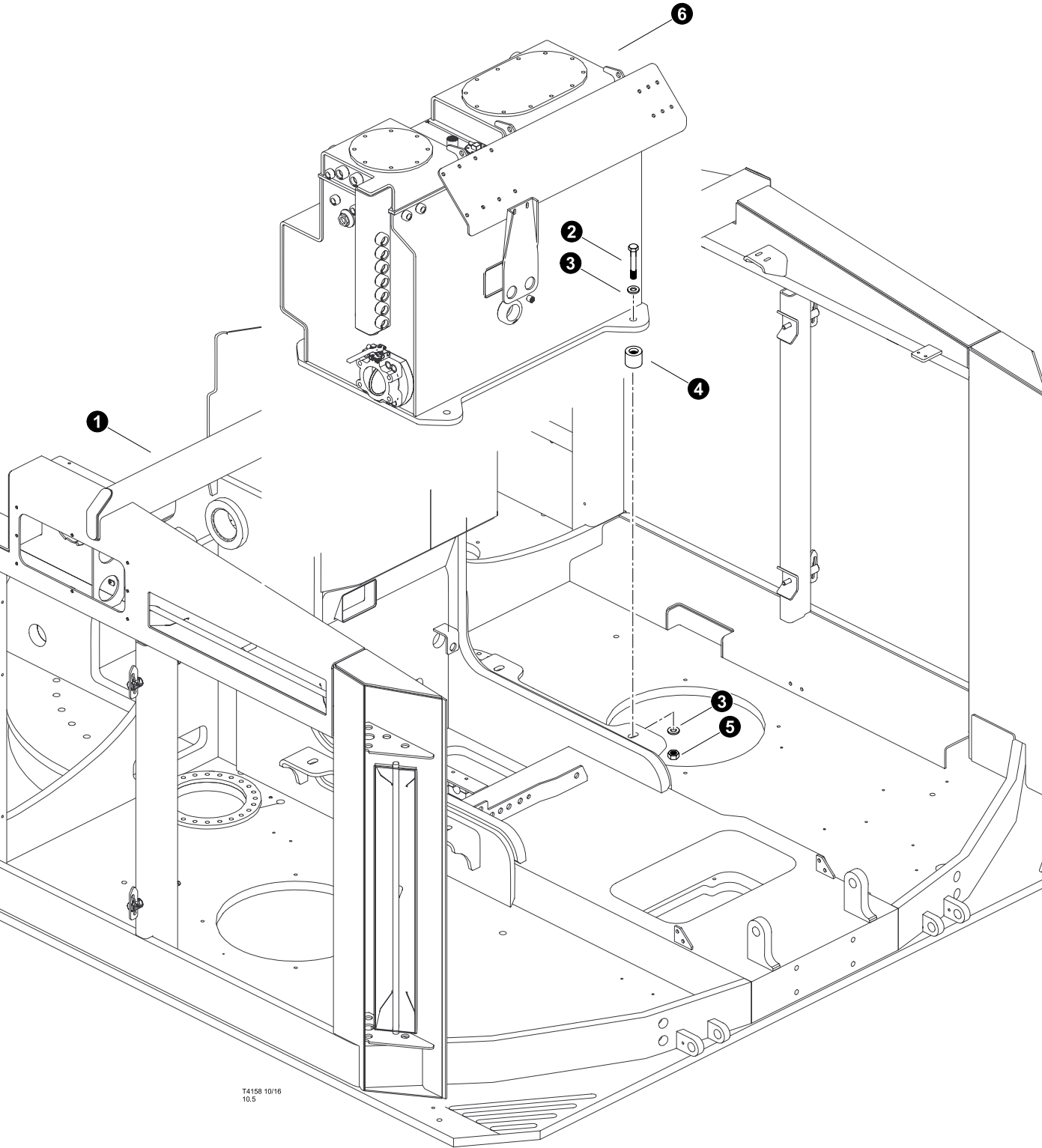


Kit or Assembly - includes all items indented underneath.

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Section UP-2

Upper Turntable - Hydraulic Tank



T4158 10/16
10.5

HYDRAULIC TANK INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		UPPER TURNTABLE WELDMENT	UP-1
2	10840-UP	4		BOLT - .75" X 3"	
3	15550-UP	8		WASHER, SAE FLAT - .75"	
4	12463-UP	4		SPACER, bolt - Standard	
5	10817-UP	4		NUT, LOCK - .75"	
6	REF	1		HYDRAULIC TANK ASSEMBLY	UP-2

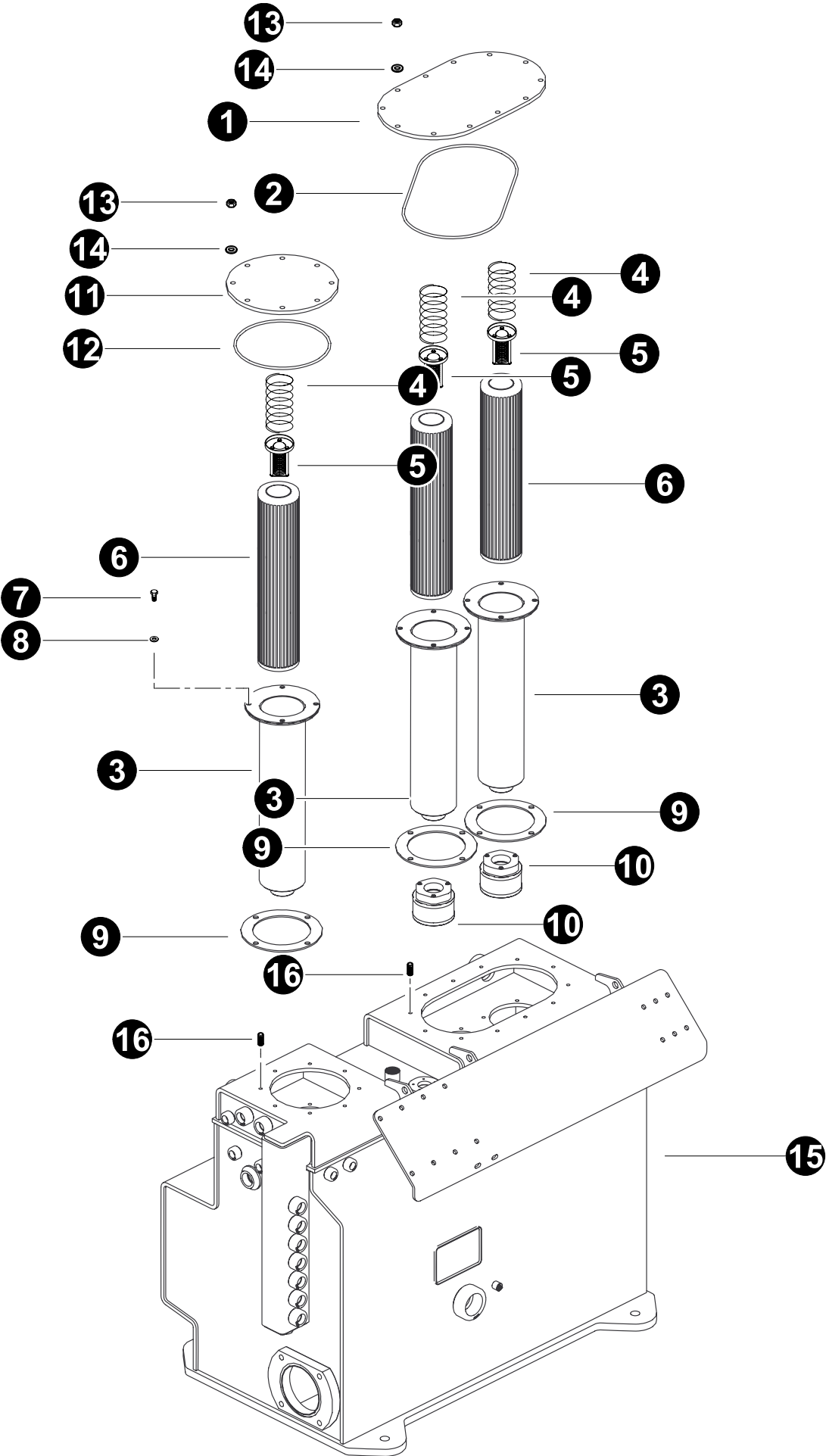


See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.

Please contact TimberPro Dealer or Factory before attempting to disassemble or repair rotary manifold. Rotary manifolds need to be serviced by authorized TimberPro service technicians only.



T3946 01-15
10.5

HYDRAULIC TANK FILTER ASSEMBLES

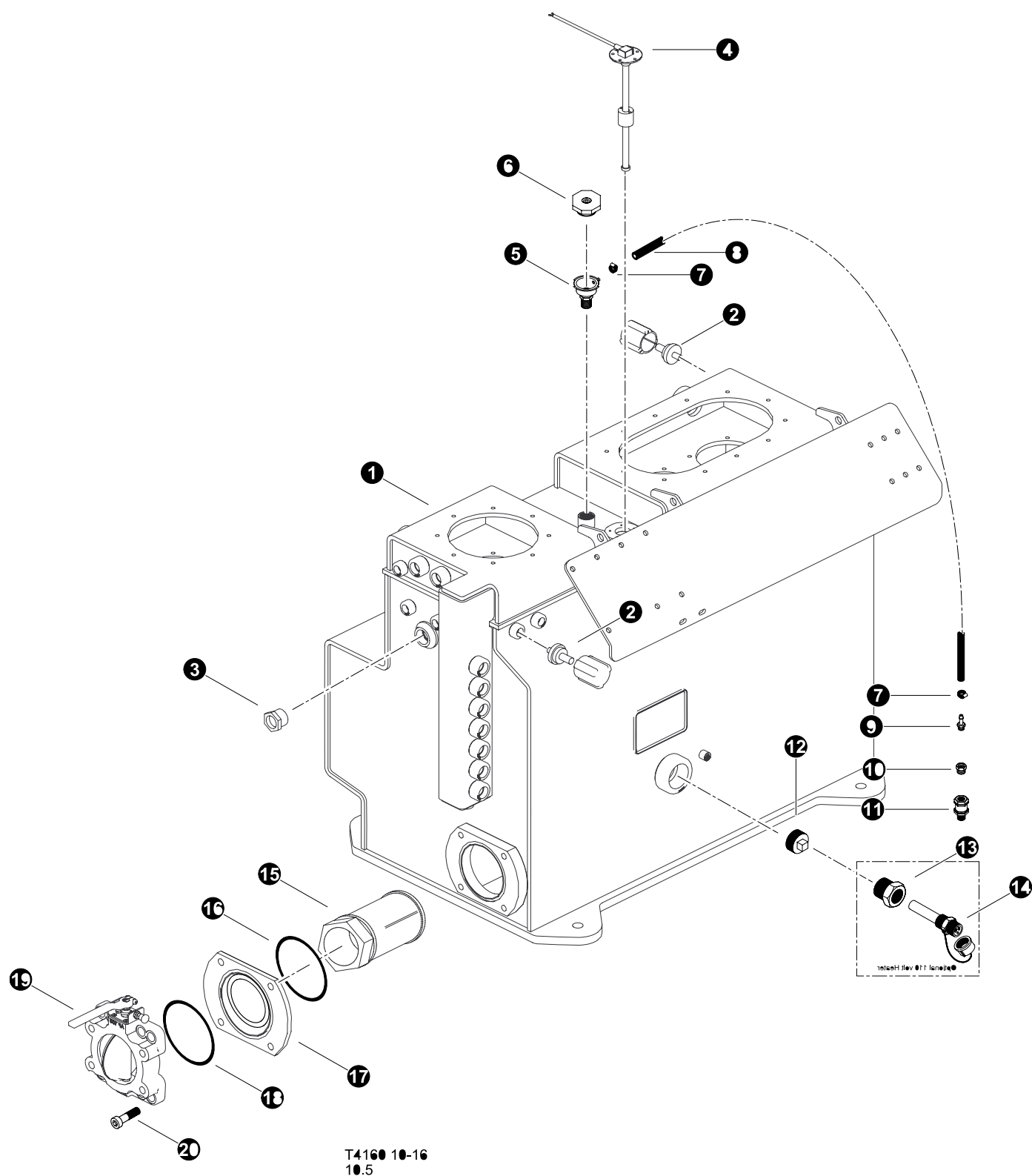
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	44738-UP	1		COVER - RETURN FILTER	
2	42310-UP	1		O-RING, HYD TANK COVER - 10.38"	
3	51621-UP	3	☐	FILTER KIT, HYD. TANK MAIN RETURN	
4		3		SPRING, FILTER	
5		3		BYPASS CHECK, FILTER	
6	22647-UP	3		ELEMENT, FILTER	
7	15542-UP	8		BOLT - .375" X .75"	
8	15528-UP	8		WASHER, SAE FLAT - .375"	
9		1		SEAL, Gasket (LFT-642)	
10	51624-UP	1		DIFFUSER, RETURN LRT FILTER - C SERIES	
11	44737-UP	1		COVER - CASE DRAIN FILTER	
12	15600-UP	1		O-RING - 8" DIA. -369	
13	42394-UP	10		NUT, HEX .5-20NF	
14	15534-UP	10		WASHER, SAE FLAT - .5"	
15	REF	1	☐	HYDRAULIC TANK ASSEMBLY.	UP-2
16	42393-UP	1		STUD - .5"-13NC X .5"-20NF X 2.0LG"	



See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



HYDRAULIC TANK ASSEMBLY

Hydraulic Tank Components installation

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	48490-UP	1		TANK, HYDRAULIC - 765	
2	51764-UP	2		SWITCH, PRESSURE - SCHROEDER (830/630)	
3	24308-UP	1		SIGHT GLASS	
4	57264-UP	1		SENDER, HYD OIL LEVEL W/FLOAT (TL765)	
5	17156-UP	1		STEM, HYDRAULIC TANK RELIEF CAP	
6	18135-UP	1		CAP, HYD. RESERVOIR RELIEF - 13 PSI	
7	16202-UP	1		CLAMP, HOSE - WORM STYLE - .625"	
8	16238-UP	5 ft	✂	HOSE, FUEL LINE (BULK ROLL) - .3125"	
-	24531-UP	1		TRANSDUCER, HYD TEMP (IQAN SYSTEM)	
9	16990-UP	1		CONNECTOR, STR HOSE BARB - 4244-5-4	
10	11318-UP	1		BUSHING, REDUCER - 5406-6-4	
11	15652-UP	1		VALVE, CHECK - HYDRAULIC/FUEL TAN	
12	53105-UP	1		PLUG, BLACK PIPE - 2.0" HYD. TANK 830/630	
13	26397-UP	1		BUSHING, BLACK - 2" X 1.25"	
14	20069-UP	1		ELEMENT, HEATER - HYD. TANK (120V 600W) (OPTIONAL)	
15	15842-UP	1		FILTER, SCREEN - IMPLEMENT	
16	51726-UP	1		O-RING, HDYRAULIC TANK	
17	42306-UP	1		PLATE, INTER.-SUCTION PORT 100mm VALVE	
18	51726-UP	1		O-RING, HDYRAULIC TANK	
19	54786-UP	1		VALVE, SHUT OFF - BUTTERFLY (4")	
20	18918-UP	4		BOLT, ALLEN HEAD - .5" X 2.5	



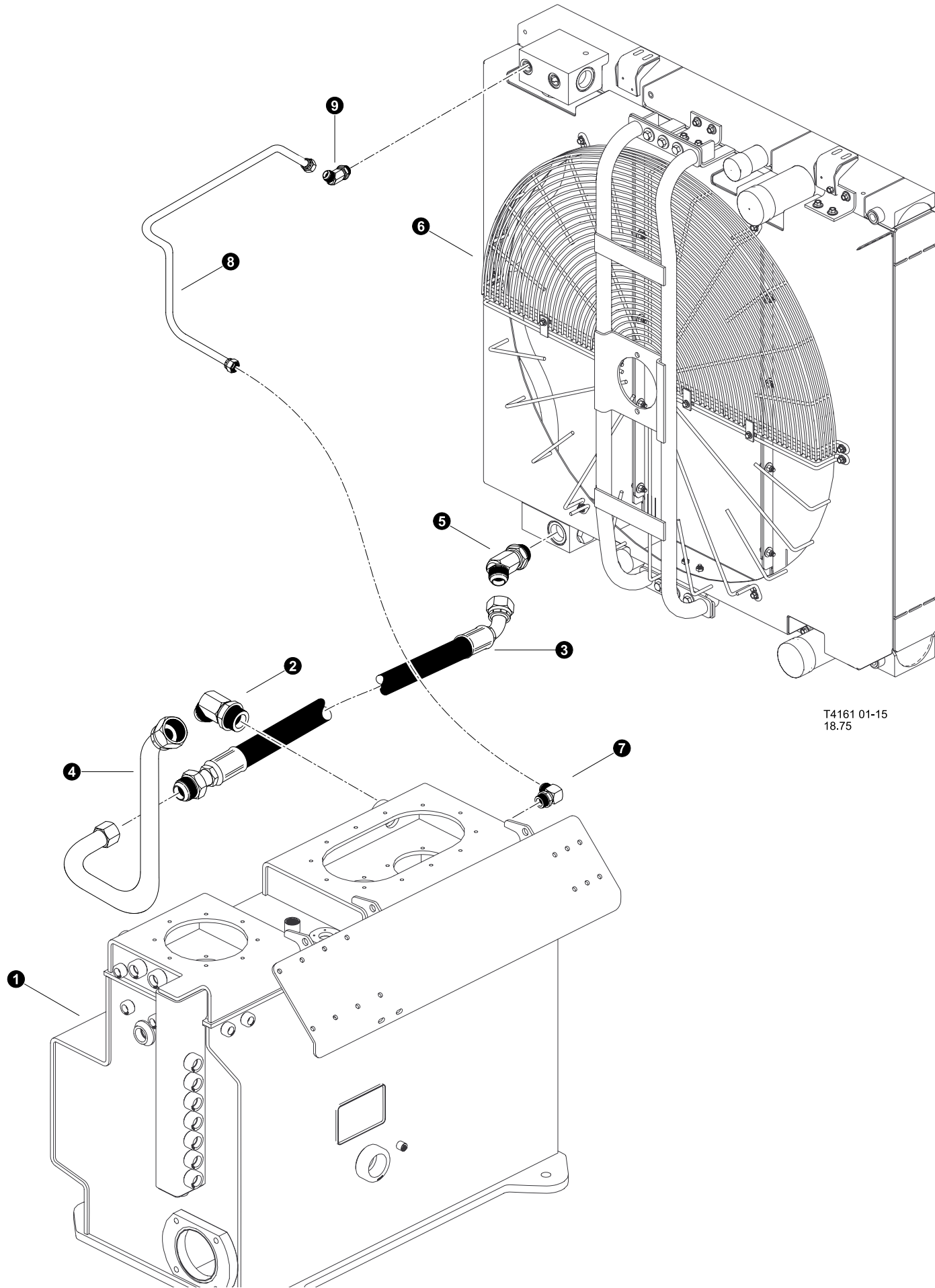
See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Sold in bulk per foot - Please specify length when ordering.



T4161 01-15
18.75

HYDRAULIC TANK

Hydraulic Tank Return Line to Oil Cooler

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		HYDRAULIC TANK ASSEMBLY.	UP-2
2	55342-UP	1		FITTING, ELBOW - 45DEG - 24 V5OX-S	
3	-UP	1		HOSE ASSEMBLY, 2021-24-24J4-24MJ	
4	57326-UP	1		TUBELINE, TANK - BOTTOM OIL COOLER	
5	55342-UP	1		FITTING, ELBOW - 45DEG - 24 V5OX-S	
6	REF	1		HYDRAULIC OIL COOLER / RADIATOR ASSEMBLY.	UP-3
7	11306-UP	1		ELBOW, 90 12 C5OX-S	
8	57333-UP	1		TUBELINE, Cooler Bypass 765C	
9	15474-UP	1		ELBOW, 45 - 6802-12	

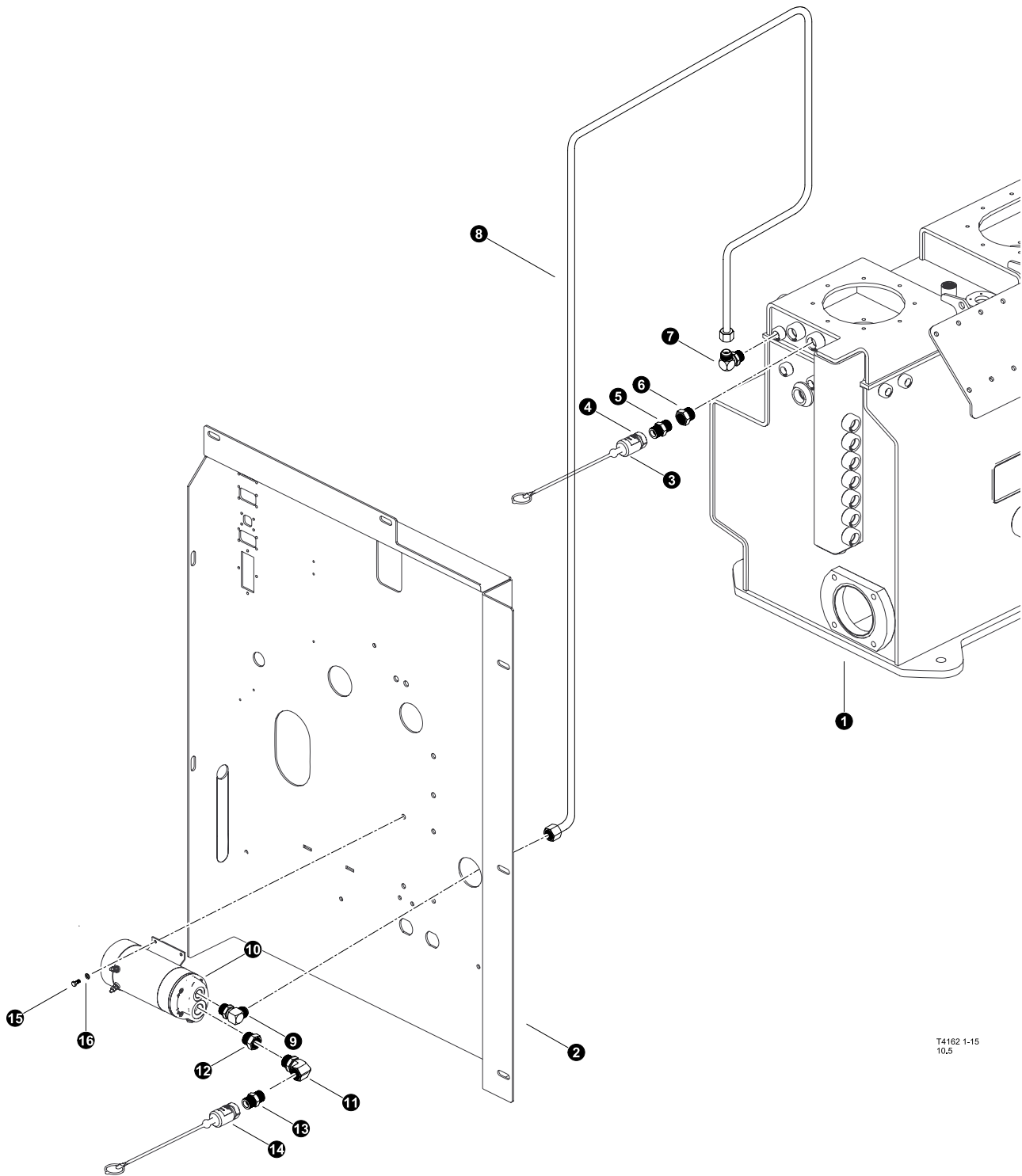


See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.

Please contact TimberPro Dealer or Factory before attempting to disassemble or repair rotary manifold. Rotary manifolds need to be serviced by authorized TimberPro service technicians only.



T4162 1-15
10.5

HYDRAULIC TANK

(Standard Hydraulic Tank Fill Pump System)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		HYDRAULIC TANK ASSEMBLY.	UP-2
2	47287-UP	1		WELDMENT, ELEC PANEL, C-MODEL	
3	55617-UP	1		CAP, QUICK CONNECT - RUBBER (RED)	
4	17307M-UP	1		QUICK DISCONNECT - .5" (MALE)	
-	17307F-UP	1		QUICK DISCONNECT - .5" (FEMALE)	
5	-UP	1		NIPPLE - 1/2 Pipe	
6	16805-UP	1		BUSHING, REDUCER - 6405-12-8	
7	15481-UP	1		ELBOW, 90 - 6801-8	
8	48616-UP	1		TUBELINE, TS FILL PUMP TO TANK	
9	54683-UP	1		ELBOW, 90 8-12C5OX-S (8 JIC X 12 ORB)	
10	55691-UP	1		PUMP, HYDRAULIC OIL FILL - HYDAC (24 VOL	
11	22383-UP	1		ELBOW, 90 - 12 AOEG5-S	
12	25040-UP	1		BUSHING, REDUCER - 6410-16-12	
13	52622-UP	1		NIPPLE, PIPE - 3/4 FF-S	
14	55620-UP	1		NIPPLE, 60 SERIES MALE - H6-63-T12	
-	55621-UP	1		COUPLER, 60 SERIES FEMALE- 3/4	
15	15542-UP	4		BOLT - .375" X .75"	
16	15528-UP	4		WASHER, SAE FLAT - .375"	



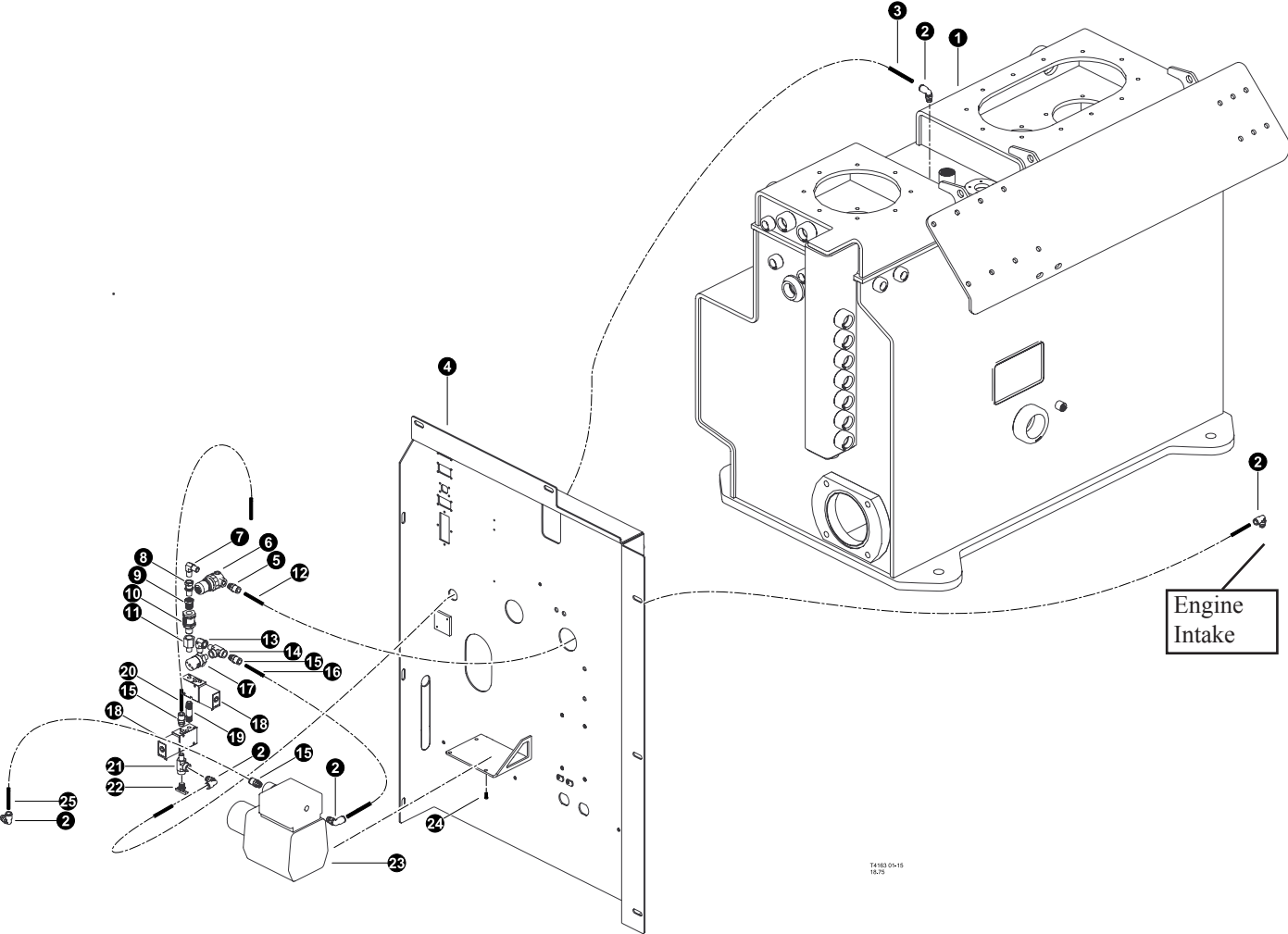
See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Sold in bulk per foot - Please specify length when ordering.



HYDRAULIC TANK

(Hydraulic Tank Vent / Vacuum System)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		HYDRAULIC TANK ASSEMBLY.....	UP-2
2	51739-UP	4		CONNECTOR, ELBOW -PUSH ON (VACUUM)	
3	51738-UP	ft		HOSE, 3/8" PUSH ON - VACUUM PUMP	
4	47287-UP	1		WELDMENT, ELEC PANEL, C-MODEL	
5	52506-UP	2		CONNECTOR, STR - PUSH HOSE 3/8 (VACUUM)	
6	15649-UP	1		REGULATOR, TURBO BOOST	
7	52741-UP	1		ELBOW, MALE PIPE - 1/4 CR-S	
8	11331-UP	1		CONNECTOR, STR SWIVEL - 1404-4-4	
9	11318-UP	1		BUSHING, REDUCER - 5406-6-4	
10	15652-UP	1		VALVE, CHECK - HYDRAULIC/FUEL TANK	
11	52145-UP	1		ADAPTER, EXPANDER - 3/8 X 1/4 FG-S	
12	51738-UP	ft		HOSE, 3/8" PUSH ON - VACUUM PUMP	
13	21147-UP	1		ELBOW, 90 STREET .25" NPT - BRASS	
14	10393-UP	1		TEE - 5602-4	
15	52506-UP	2		CONNECTOR, STR - PUSH HOSE 3/8 (VACUUM)	
16	51738-UP	ft		HOSE, 3/8" PUSH ON - VACUUM PUMP	
17	51737-UP	1		SWITCH, PRESSURE - VACUUM PUMP (HYD TANK)	
18	51616-UP	2		VALVE, VACUUM PUMP - HYD TANK	
19	16314-UP	1		NIPPLE, PIPE - .25" X 2"	
20	51738-UP	ft		HOSE, 3/8" PUSH ON - VACUUM PUMP	
21	10393-UP	1		TEE - 5602-4	
22	53108-UP	1		VALVE, TANK VENT - DC602-6	
23	REF.	1		PUMP, VACUUM - HYD TANK.....	UP-2
24	16129-UP	4		SCREW, MACHINE - #10-24 X .75"	
25	51738-UP	ft		HOSE, 3/8" PUSH ON - VACUUM PUMP	



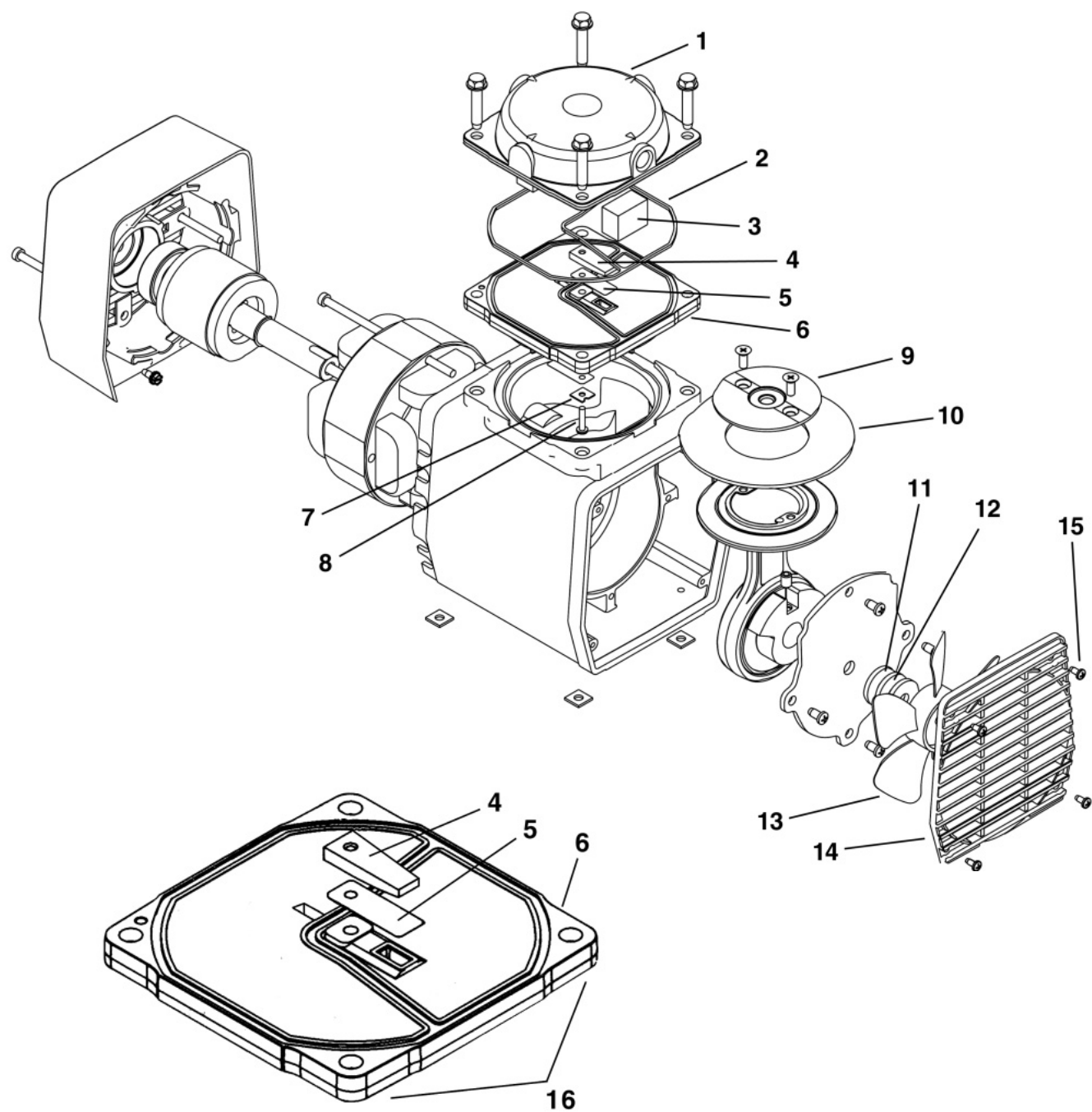
See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Sold in bulk per foot - Please specify length when ordering.



VACUUM PUMP BREAKDOWN

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	51615-UP	1	☐	VACUUM PUMP	
1	-UP	1		HEAD (AP500)	
2	-UP	1		O-RING, HEAD (AP513)	
3	-UP	2		FILTER, MUFFLER (AT712A)	
4	-UP	1		VALVE, LIMITER (AP110)	
5	-UP	2		VALVE, LEAF (AF817)	
6	-UP	1		PLATE, VALVE (AP504)	
7	-UP	1		RETAINER, VALVE (AF819A)	
8	-UP	1		SCREW, VALVE (BB330A)	
9	-UP	1		PLATE, RETAINER (AF809)	
10	-UP	1		DIAPHRAGM, COMPRESSOR (AF818A)	
10	-UP	1		DIAPHRAGM, VACUUM (AF818B)	
11	-UP	3		SPACER, FELT (AA929)	
12	-UP	1		SPACER (AD996)	
13	-UP	1		FAN (AF533)	
14	-UP	1		GRILL (AF807)	
15	-UP	4		RIVET (AP534)	
16	-UP	1		ASSEMBLY, VALVE PLATE (AP519)	



See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.

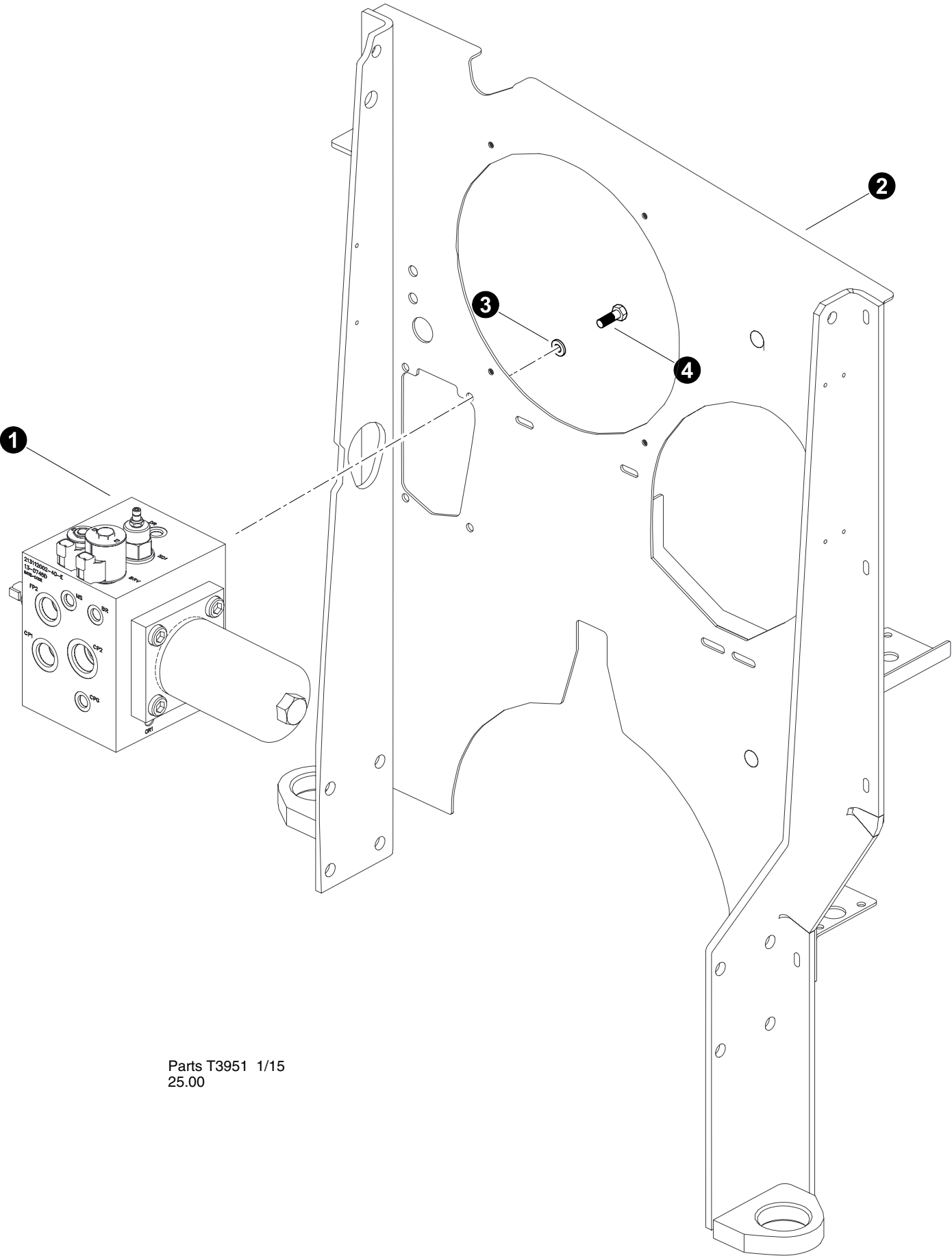


Sold in bulk per foot - Please specify length when ordering.

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Section UP-3

Upper Turntable - Radiator and Oil Cooler Fan Drive System



Parts T3951 1/15
25.00

RADIATOR AND COOLER FAN CIRCUIT

Charge Manifold installation

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	VALVE, CHARGE MANIFOLD	UP-3
2	REF	1	BARRIER, ENGINE - C MODEL	EE
3	15528-UP	3	WASHER, SAE FLAT - .375"	
4	11707-UP	4	BOLT - .375" X 1"	



See referenced page for component or assembly breakdown.



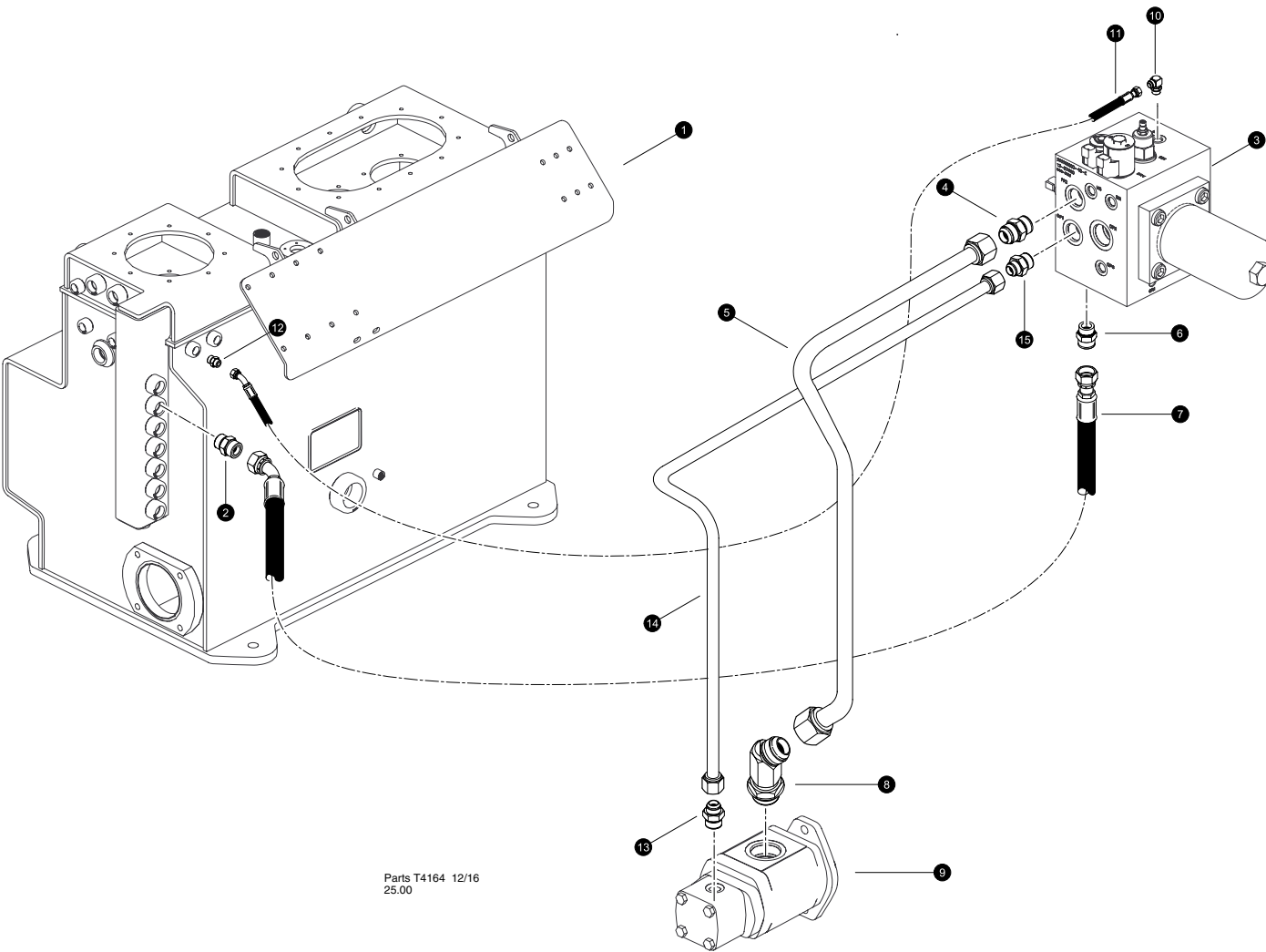
Kit or Assembly - includes all items indented underneath.

Note #1:

Use Loctite 271 (*red*) during installation.

Note #2:

Use Loctite 272 (*blue*) during installation.



RADIATOR AND COOLER FAN CIRCUIT**Charge Manifold Pressure and Tank Connections**

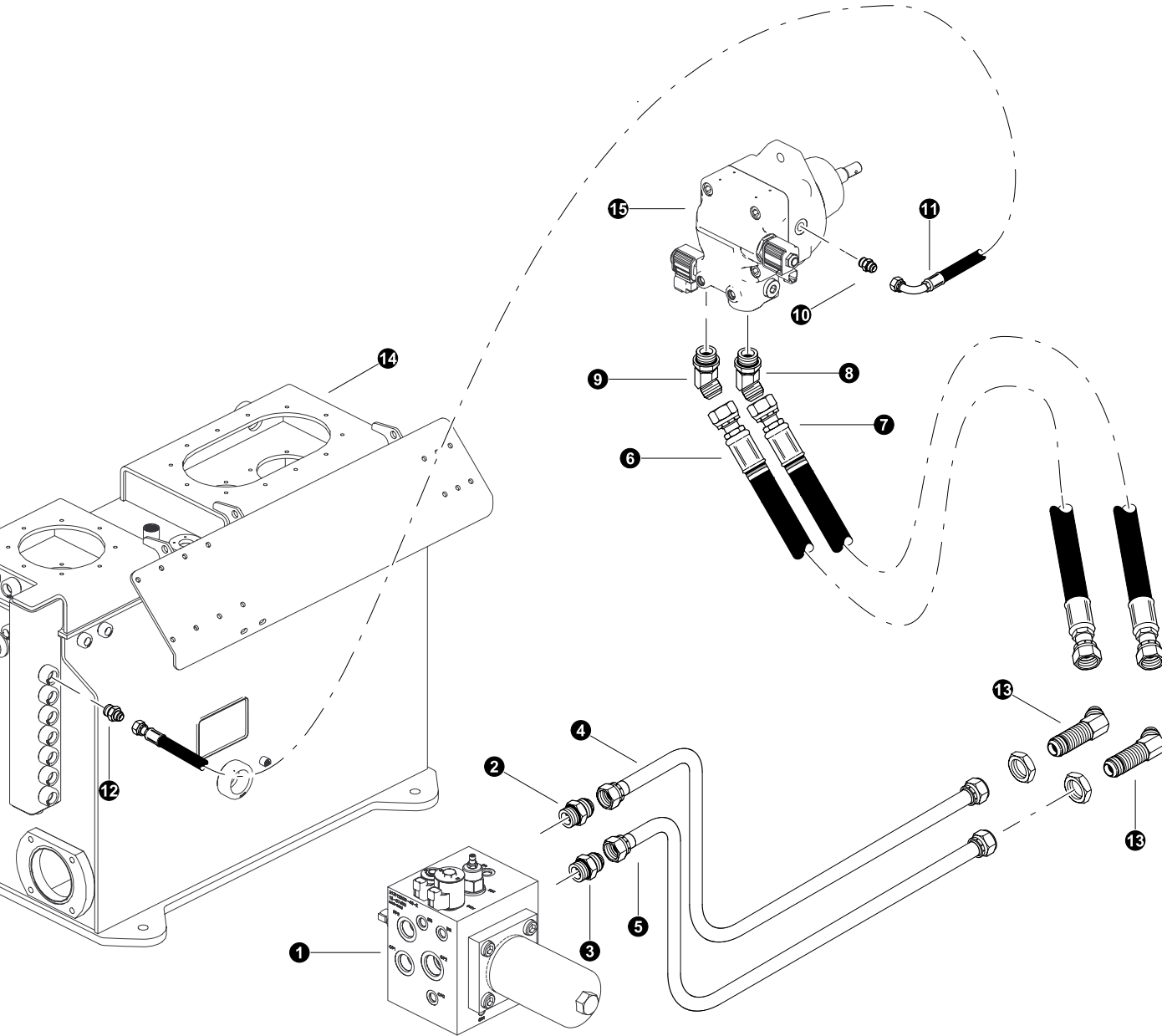
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	HYDRAULIC TANK ASSEMBLY.....	UP-2
2	11324-UP	1	CONNECTOR, STR - 6400-12	
3	REF	1	FAN CONTROL MANIFOLD.....	UP-3
4	15498-UP	1	CONNECTOR, STR - 6400-16-20	
5	-UP	1	TUBELINE , CHRG PUMP TO CHRG FILTER P3	
6	11324-UP	1	CONNECTOR, STR - 6400-12	
7	-UP	1	HOSE ASSEMBLY - 2044 12 12JS 12J4 (T3 port to Hyd Tank Return)	
8	15498-UP	1	CONNECTOR, STR - 6400-16-20	
9	REF	1	TRACK DRIVE CHARGE PUMP	DH-3
10	15480-UP	1	ELBOW, 90 - 6801-6	
11	-UP	1	HOSE ASSEMBLY - 2068 06-06JS 06J4 (Charge Manifold DR to Tank)	
12	53145-UP	1	FITTING, 6-8 C50X-S - JIC	
13	11324-UP	1	CONNECTOR, STR - 6400-12	
14	57610-UP	1	TUBELINE, CHARGE 2 TO MANIFOLD	
15	15496-UP	1	CONNECTOR, STR - 6400-16-12	



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Parts T4165 11/16
25.00

RADIATOR AND COOLER FAN CIRCUIT**Oil Cooler Fan Motor Pressure and Tank**

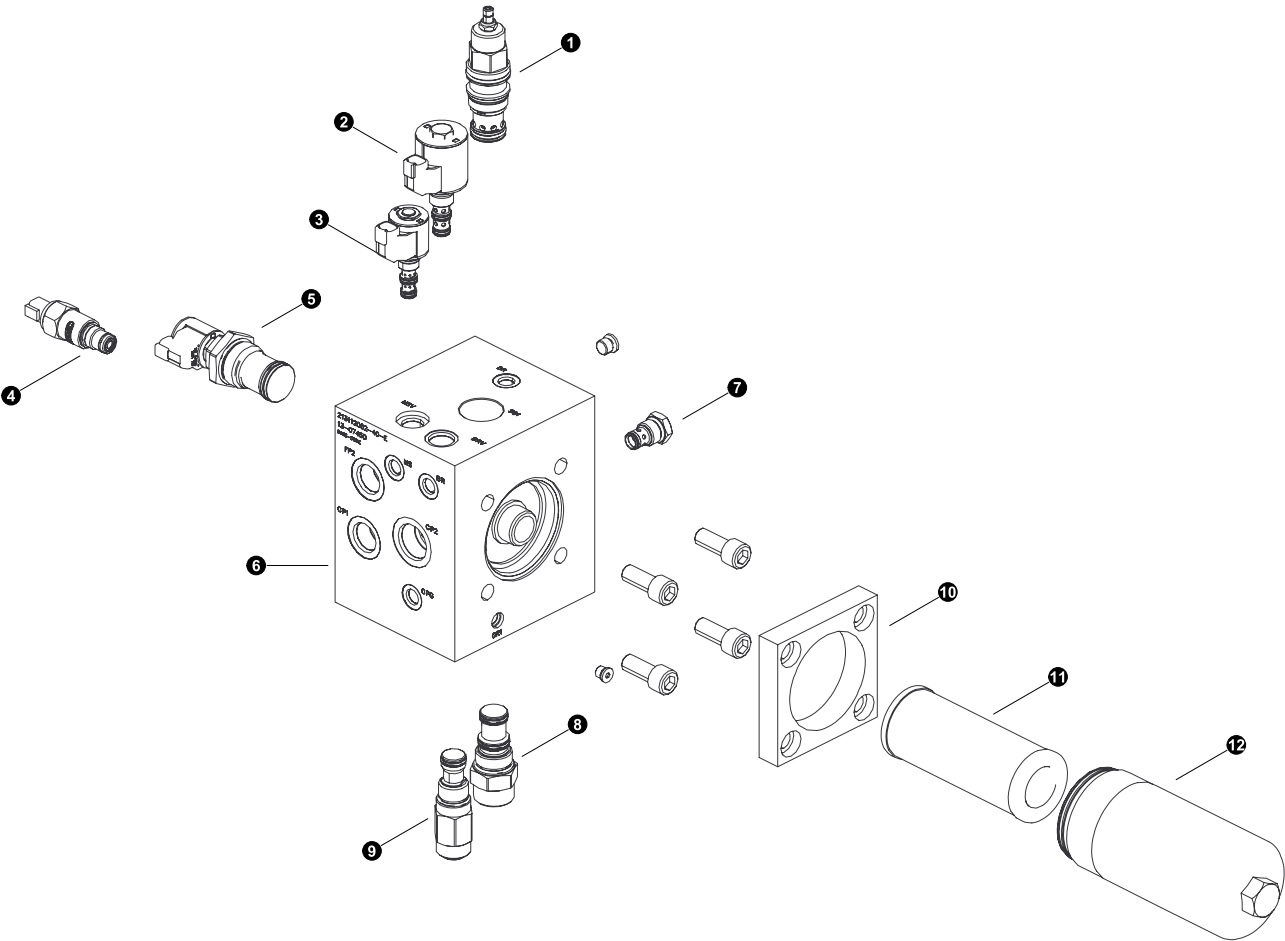
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	FAN CONTROL MANIFOLD.	UP-3
2	15496-UP	1	CONNECTOR, STR - 6400-16-12	
3	15496-UP	1	CONNECTOR, STR - 6400-16-12	
4	57324-UP	1	TUBELINE, CHARGE MAN P4 TO FAN MTR P (Cummins)	
5	57323-UP	1	TUBELINE, CHARGE MAN P1 TO FAN MTR T (Cummins)	
6	-UP	1	HOSE ASSEMBLY - 2044 12 12JS 16JS (Fan Motor Pressure - Cummins)	
7	-UP	1	HOSE ASSEMBLY - 2042 16 12JS 16JS (Fan Motor Return - Cummins)	
8	15472-UP	1	ELBOW, 45 SWIVEL - 12 V6X-S	
9	15472-UP	1	ELBOW, 45 SWIVEL - 12 V6X-S	
10	15488-UP	1	CONNECTOR, STR - 6400-6	
11	-UP	1	HOSE ASSEMBLY - 2072 -06 06JS 06J9 (Fan Drain to Drain Manifold)	
12	-UP	1	FITTING, 6-12 - JIC-ORB	
13	54806-UP	2	45* Bulkhead Union Elbow -16 JIC with L/	
14	REF	1	HYDRAULIC TANK ASSEMBLY.	UP-2
15	REF	1	FAN DRIVE MOTOR	UP-3



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.

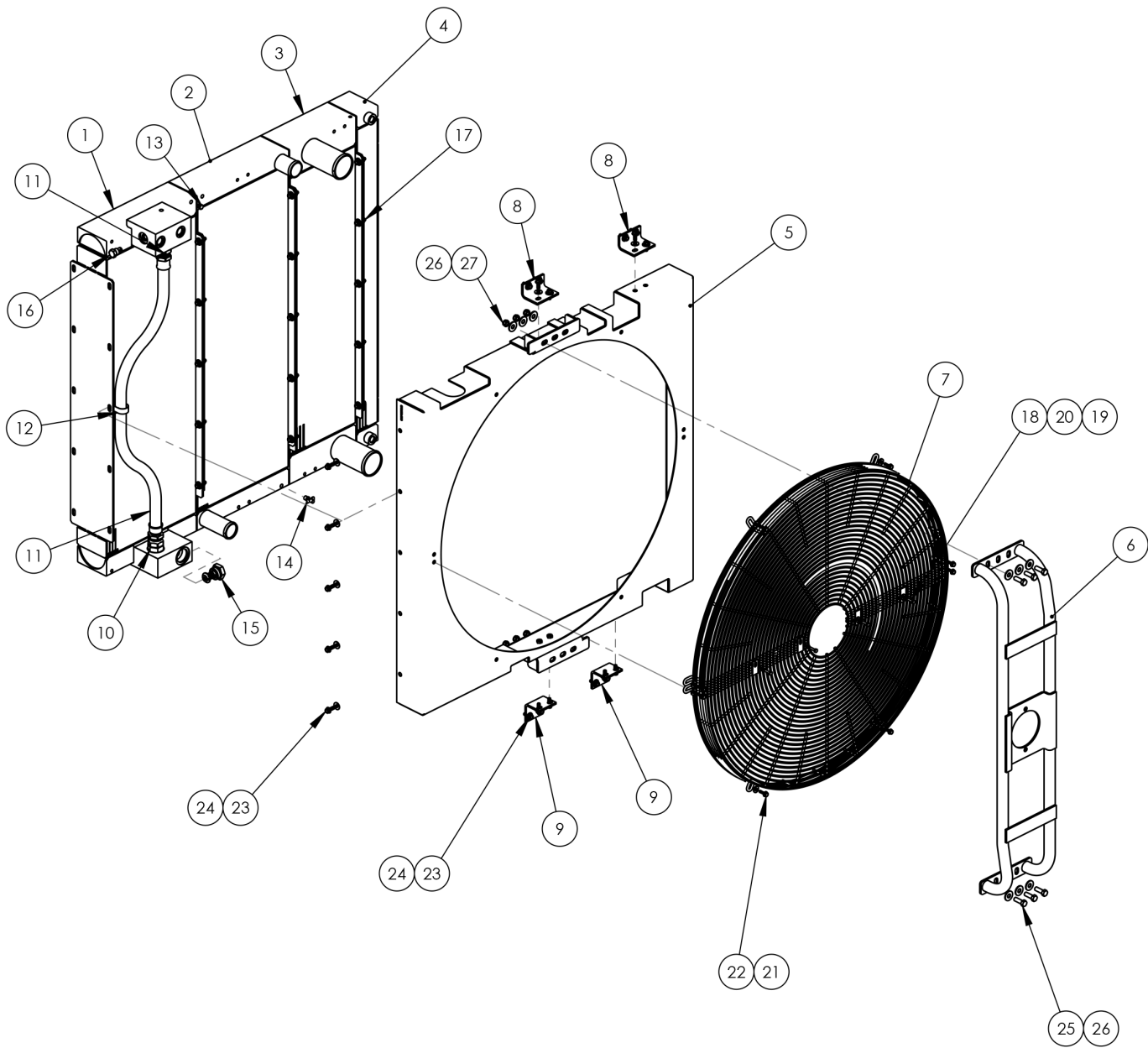


Parts T4166 12/16
25.00

RADIATOR AND COOLER FAN CIRCUIT**Charge Manifold Breakdown**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	57615-UP	1	☐	MANIFOLD, CHARGE / COOLER LOOP - DUAL FLOW	
1	-UP	1		CARTRIDGE, HYDRAFORCE (RSHC-LAN)	
2	-UP	1		CARTRIDGE, HYDRAFORCE (SV10-34-0-N-24ER)	
-	4304124-UP	1		COIL, 24VDC	
-	7004400-UP	1		NUT 7004400	
3	-UP	1		CARTRIDGE, HYDRAFORCE (SV08-30-0-N-24ER)	
-	4304024-UP	1		COIL, 24VDC	
-	7004400-UP	1		NUT 7004400	
4	-UP	1		SWITCH, filter indicator VD_CD	
5	-UP	1		CARTRIDGE, HYDRAFORCE (SF20-23-0-N-24ERZ)	
-	4304024-UP	1		COIL, 24VDC	
-	7004400-UP	1		NUT 7004400	
6	-UP	1		BLOCK, Manifold (213071001-40)	
7	-UP	1		CARTRIDGE, HYDRAFORCE (CV10-20-0-N-05)	
8	-UP	1		CARTRIDGE, HYDRAFORCE (EP16-S35T-0-N-90)	
9	-UP	1		CARTRIDGE, HYDRAFORCE (RV12-26F-0-N-15/15)	
10	-UP	1		FLANGE, Filter canister (205022401-40-B)	
11	19861-UP	1		ELEMENT, hydrostatic charge filter (0240D020BN4HC)	
12	19864-UP	1	☐	CANISTER	
-	19863-UP	1		O-RING, canister	
-	19862-UP	1		RING, back-up - canister	

☐ Kit or assembly. Includes all items indented underneath.



RADIATOR AND COOLER FAN CIRCUIT**Radiator / Oil Cooler Breakdown**

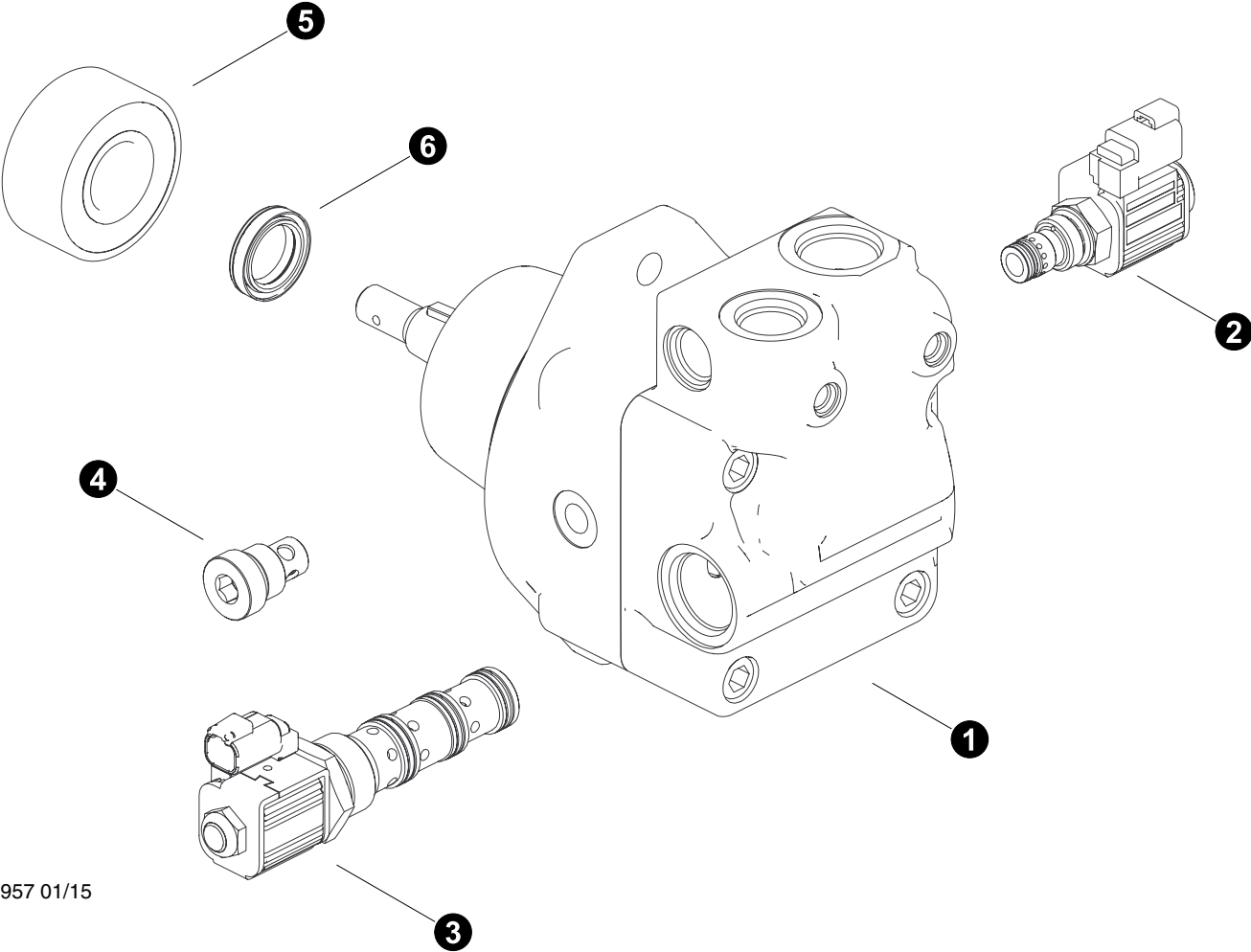
REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	55503-UP	1	☐	RADIATOR / OIL COOLER - TIER 4F LH (AKG)	
1	3918.006.1000	1		Hyd Oil Cooler	
2	3918.006.2000	1		Radiator 1	
3	3918.006.5000	1		Charge Air Cooler	
4	3918.006.6000	1		Gearbox Oil Cooler	
5	3918.006.4010	1		Shroud	
6	3918.003.0060	1		Fan Motor Mt	
7	3918.003.4040	1		Finger Guard	
8	3806.061.0001	2		Bracket	
9	3824.060.0002	2		Bracket	
10	609622	2		Adapter	
11	8080.026.0000	1		Hose Assy	
12	8055.008.0000	1		P-Clip	
13	603.275	1		Plug	
14	608.952	1		Pit-Cock	
15	8060.075.0000	1		By-Pass	
16	609004	1		Check Valve	
17		30		Bolt Kit - HDW-SET_375_BW-55-WN	
18	8050.047.0000	4		Bolt	
19	8054.030.0000	4		Washer	
20	8054.031.0000	4		Washer	
21	8054.033.0000	8		Washer	
22	8050.035.0000	8		Bolt	
23	8050.038.0000	21		Bolt	
24	8054.036.0000	21		Washer	
25	8050.066.0000	6		Bolt	
26	8054.042.0000	12		Washer	
27	8049.001.0000	6		Nut	



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Parts T3957 01/15
25

RADIATOR AND COOLER FAN CIRCUIT**Fan Drive Motors**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	55215-UP	1	☐	MOTOR, FAN DRIVE - RADIATOR W/FAN CONTR0	
2	AP04G2	1		ASSEMBLY, Fan Reverse Valve	
3	517_10042_3	1		ASSEMBLY, Fan Control	
4	S24_94046			ASSEMBLY, Check Valve	
5	230_90022_3	1		BEARING	
6	620_30279	1		SHAFT SEAL	



See referenced page for component or assembly breakdown.

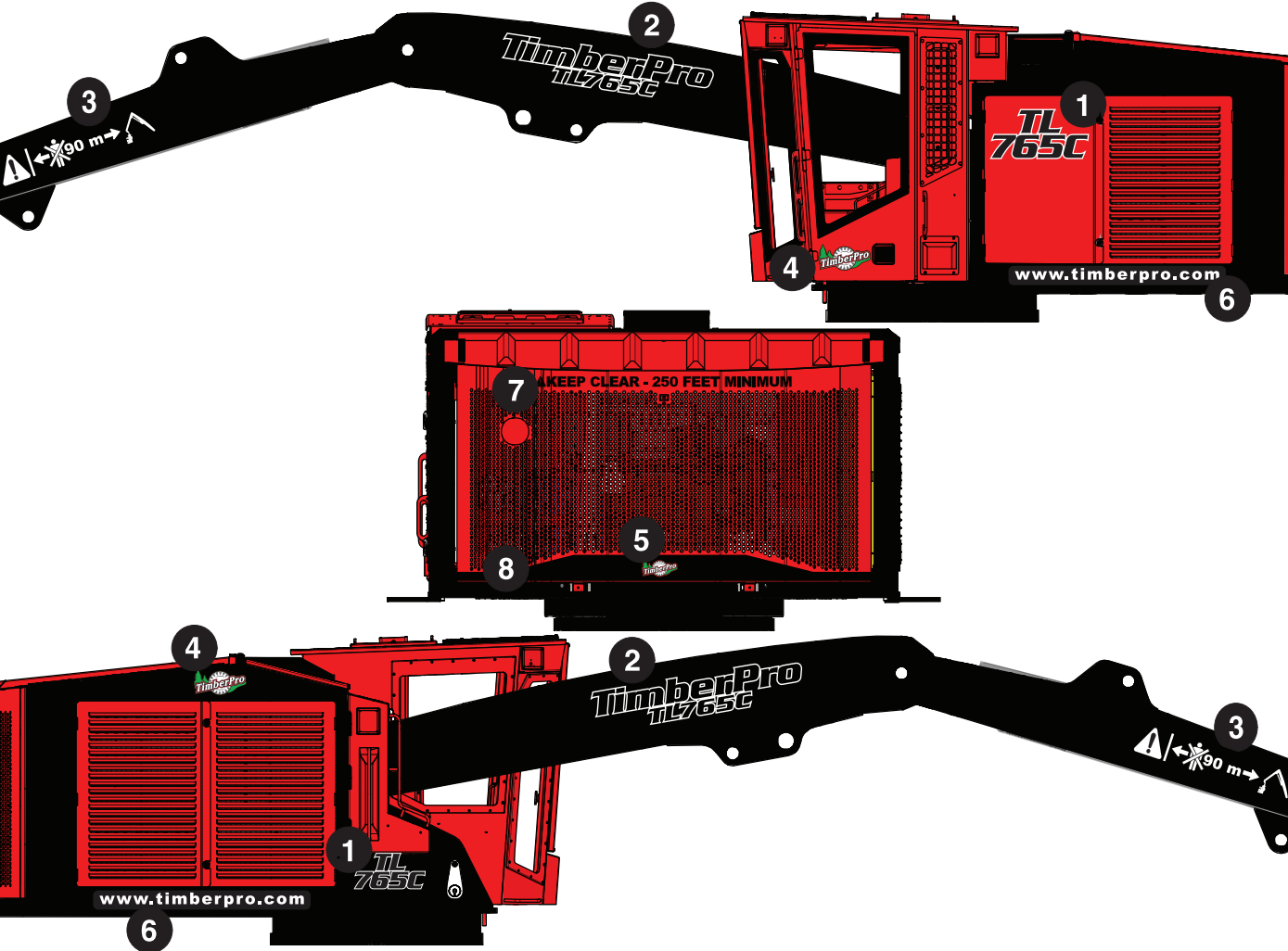


Kit or Assembly - includes all items indented underneath.

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Section UP-4

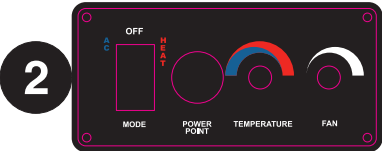
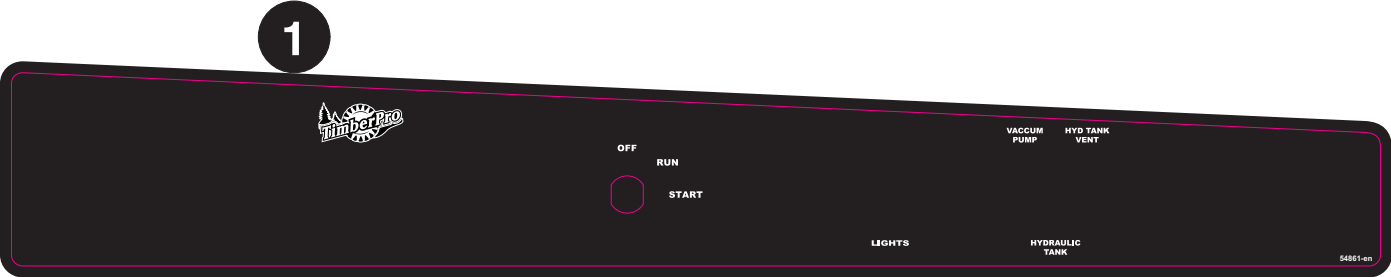
Upper Turntable - Decals



UPPER TURNTABLE DECALS**OUTER DECALS**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	57245-UP	1		DECAL, MODEL # - TL765-C (Small and Large)	
	-UP	1		DECAL, MODEL # - TN765-C (Small and Large)	
2	55722-UP	2		DECAL, MODEL - TL765 MAIN BOOM	
3	53058-UP	1	☐	KIT, DECAL - Keep Clear and Logos	
4	50695-UP	2		DECAL, TIMBERPRO LOGO - 16"	
5	50694-UP	1		DECAL, TIMBERPRO LOGO - 10"	
6	-UP	1		DECAL, WEBSITE	
7	51917-UP	1		DECAL, KEEP CLEAR 250 FEET - GULLWING	
8	55292-UP	1		DECAL, GULLWING STRIPE - C Seires - BK	

☐ Kit or assembly. Includes all items indented underneath.



UPPER TURNTABLE DECALS**CAB DASH DECALS**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	54861EN-UP	1	☐	DECAL, DASH - C MODEL (ENGLISH)	
	54861FR-UP	1	☐	DECAL, DASH - C MODEL (FRENCH)	
	54861SP-UP	1	☐	DECAL, DASH - C MODEL (SPANISH)	
	54861GR-UP	1	☐	DECAL, DASH - C MODEL (GERMAN)	
	54861BR-UP	1	☐	DECAL, DASH - C MODEL (Brazilian Portuguese)	
1	-UP	1		DECAL, DASH - UPPER	
1	-UP	1		DECAL, DASH - LOWER/HEATER	

☐ Kit or assembly. Includes all items indented underneath.

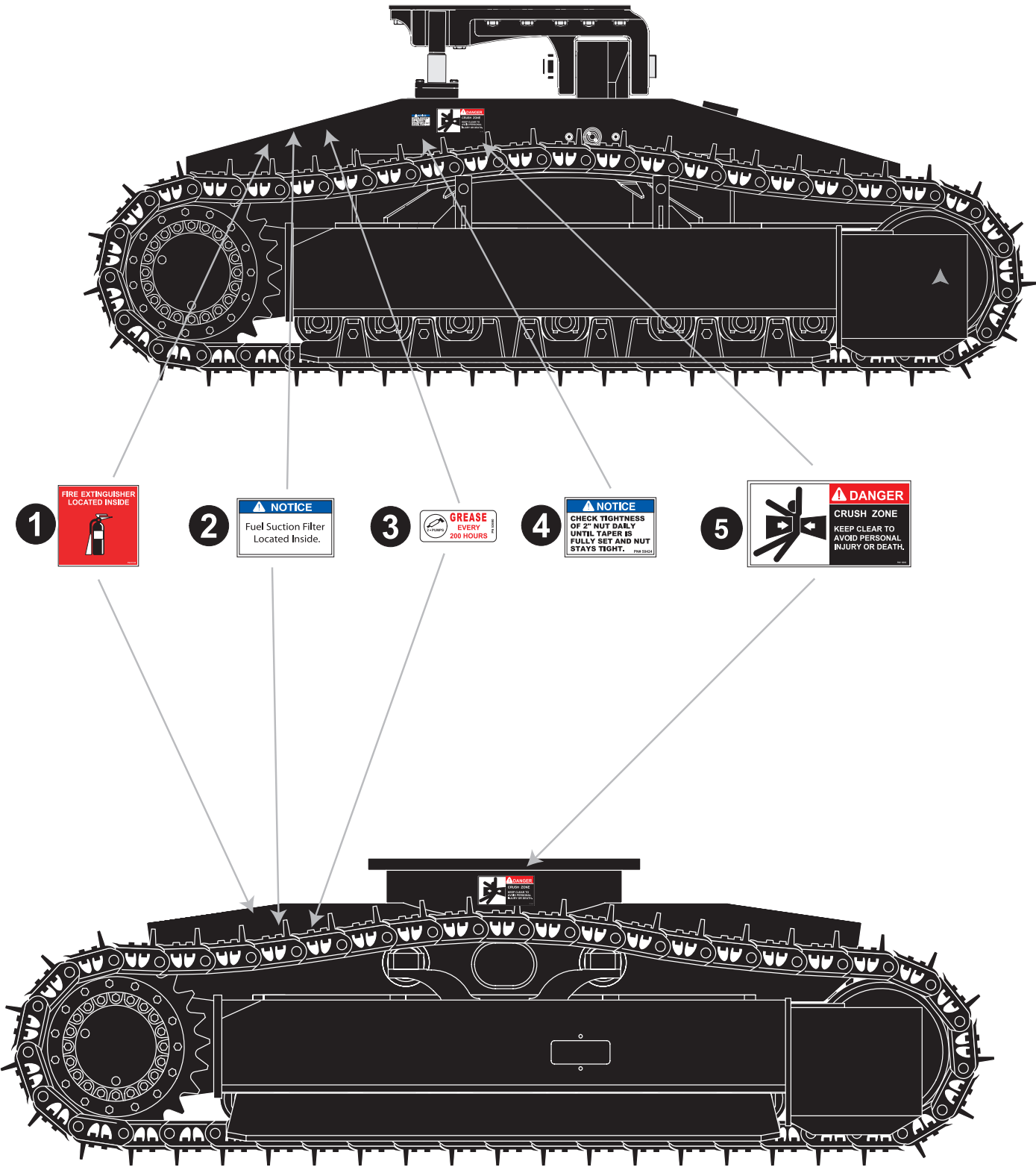
UP-4-5

UPPER TURNTABLE DECALS

WARNING - INFO - CAUTION DECALS

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	55493EN-UP	1	☐	KIT, DECAL - "C" SERIES Outside (ENGLISH)	
-	55493FR-UP	1	☐	KIT, DECAL - "C" SERIES Outside (FRENCH)	
-	55493SP-UP	1	☐	KIT, DECAL - "C" SERIES Outside (SPANISH)	
-	55493GR-UP	1	☐	KIT, DECAL - "C" SERIES Outside (GERMAN)	
-	55493BR-UP	1	☐	KIT, DECAL - "C" SERIES Outside (Brazilian Portuguese)	
1	-UP	1		DECAL, Direct Water Spray	
2	-UP	1		DECAL, Pump Pressure Label	
3	-UP	1		DECAL, ECU Shutdown Warning	
4	-UP	1		DECAL, Pre-Heater Fuel	
5	-UP	1		DECAL, Gullwing Weight Warning	
6	-UP	1		DECAL, Gullwing Pump Oil Level	
7	-UP	1		DECAL, Charge Filter Grease Threads	
8	-UP	1		DECAL, Fire Extinguisher Inside	
9	-UP	1		DECAL, Fire Suppression Actuator	
10	-UP	1		DECAL, Boom Grease Locations	
11	-UP	1		DECAL, Operator Notice	
12	-UP	1		DECAL, Made in USA	
13	-UP	1		DECAL, Vacuum Pump Warning	
14	-UP	1		DECAL, Fan Guards	
15	-UP	1		DECAL, Secure Cover	
16	-UP	1		DECAL, Battery Cable Weld Warning	
17	-UP	1		DECAL, Master Disconnect Warning	
18	-UP	1		DECAL, Fuse Warning	
19	-UP	1		DECAL, US Patent Label	
20	-UP	1		DECAL, Relay Fuse Warning	
21	-UP	1		DECAL, Moving Parts Guard Warning	
22	-UP	1		DECAL, Air Cleaner Valve	
23	-UP	1		DECAL, Gearbox Dipstick	
24	-UP	1		DECAL, Emergency Escape Circle	
25	-UP	1		DECAL, Hot - Pressure Tank Warning	
26	-UP	1		DECAL, Emergency Escape	

☐ Kit or assembly. Includes all items indented underneath.



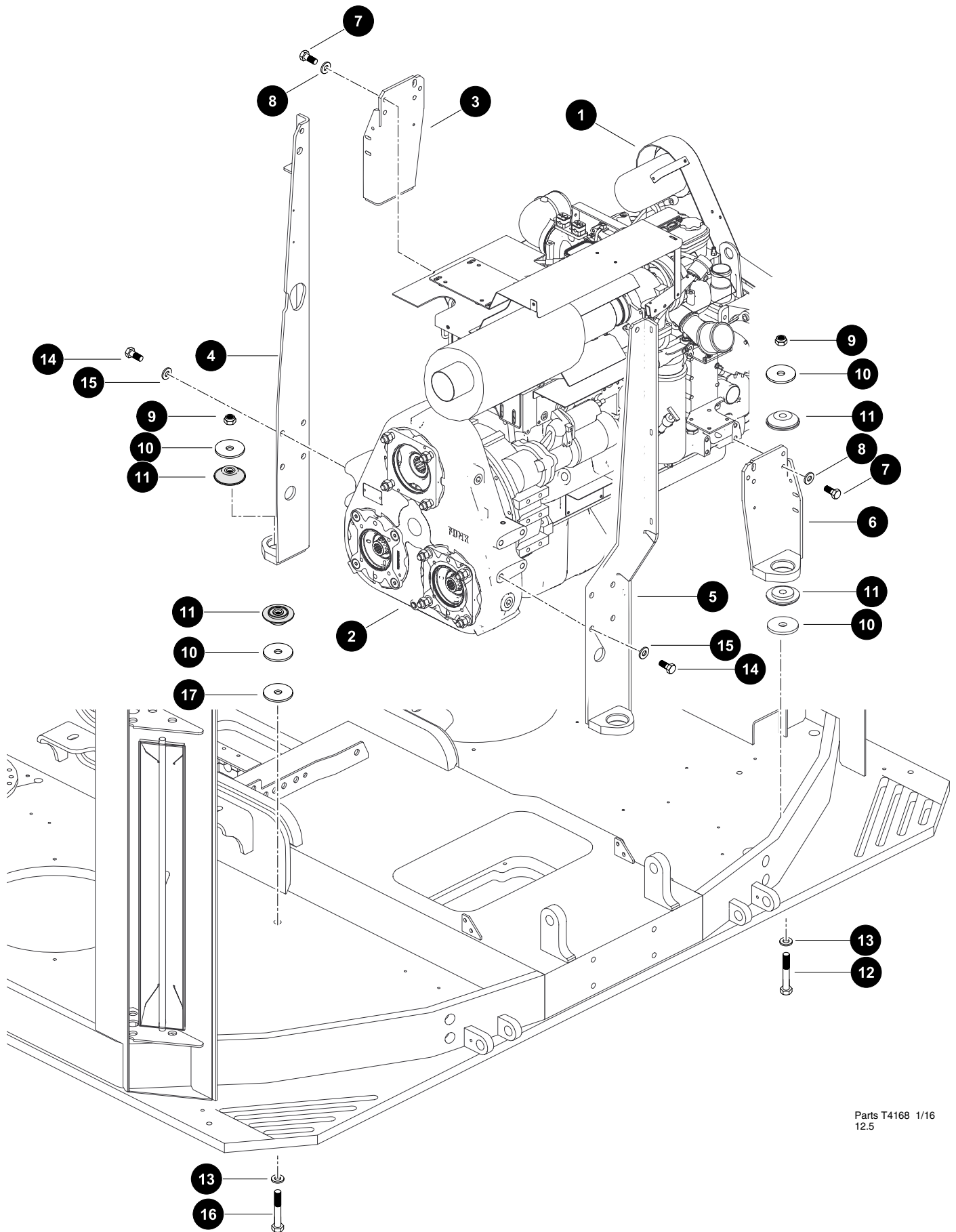
UPPER TURNTABLE DECALS**700C FRAME DECALS**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	51820-UP	1	DECAL, Fire Extinguisher inside	
2	51261-UP	1	DECAL, Fuel Suction Filter location	
3	53690-UP	1	DECAL, 200 Hour Grease Notice	
4	50424-UP	2	DECAL, TORQUE 2" NUT NOTICE	
5	16060-UP	8	DECAL, DANGER CRUSH ZONE	

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Section EE-1

Cummins QSC Engine - Installation and Parts



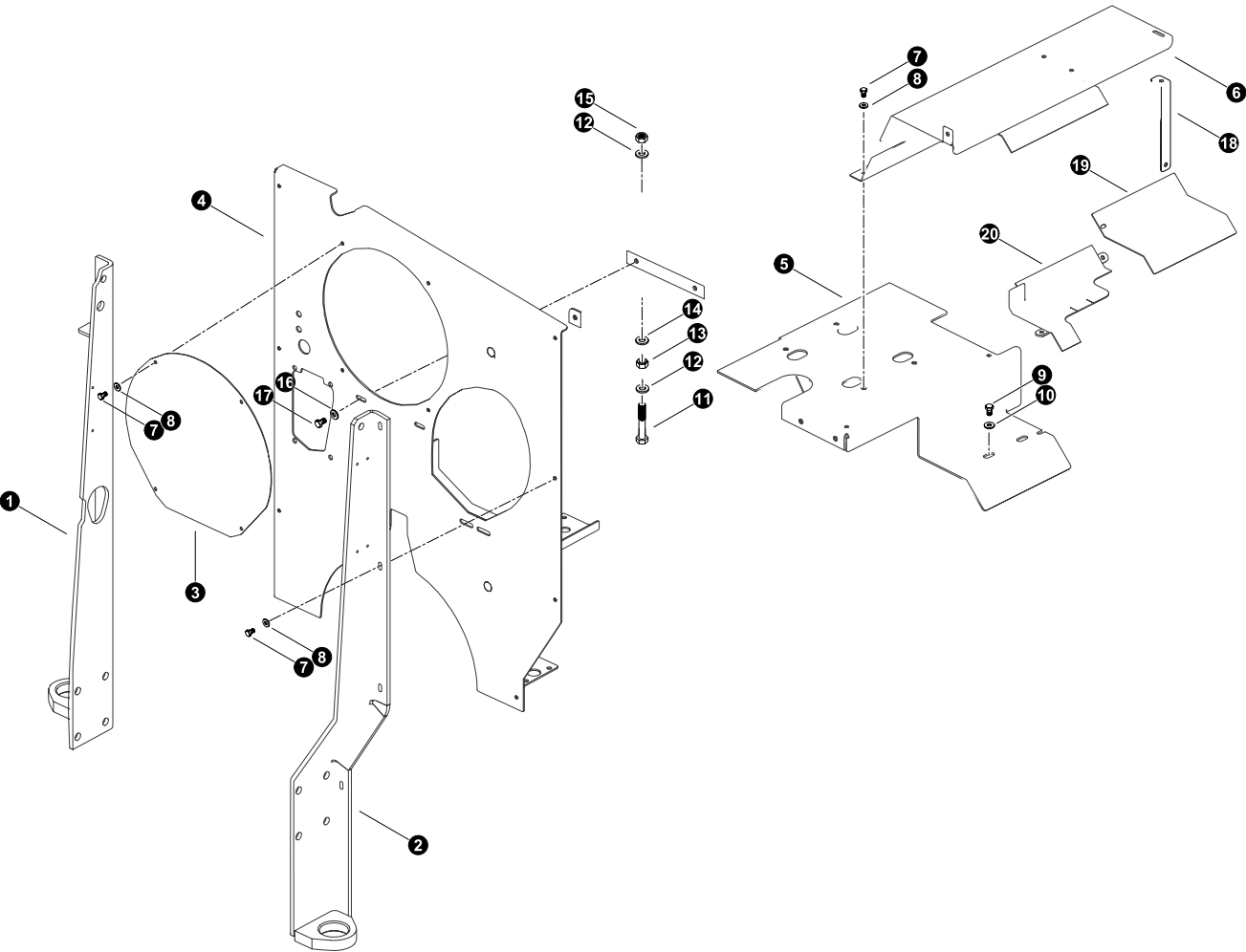
Parts T4168 1/16
12.5

ENGINE INSTALLATION

Cummins QSC 8.3L

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	54251-EE	1	ENGINE, CUMMINS QSC8.3 - TPEM	
-	57574-EE	1	ENGINE, CUMMINS QSL9 - TPEM	
2	REF	1	PUMP DRIVE TRANSMISSION	EE-4
3	48483-EE	1	MOUNT, ENGINE - TL765	
4	48479-EE	1	MOUNT, GEARBOX - INNER (765C SERIES)	
5	48477-EE	1	MOUNT, GEARBOX - OUTER (765C SERIES)	
6	48483-EE	1	MOUNT, ENGINE - TL765	
7	15551-EE	4	BOLT - 12mm-1.75P x 40mm (Torque to 92 ft.lbs. (122 Nm))	
8	15534-EE	4	WASHER, SAE FLAT - .5"	
9	10817-EE	2	NUT, lock 3/4"	
10	17918-EE	8	WASHER, isolator mount .875"	
11	17904-EE	8	ISOLATOR	
12	10846-EE	3	BOLT - 3/4" x 5.5"	
13	15550-EE	6	WASHER, SAE flat - 3/4"	
14	15502-EE	8	BOLT - 5/8" x 1-1/2" (Torque to 150 ft.lbs. (200 Nm))	
15	10771-EE	8	WASHER, SAE flat - 5/8	
16	10846-EE	1	BOLT - 3/4" x 6"	
17	47267-EE	2	WASHER, ENGINE MOUNT	

☐ Kit or Assembly - includes all items indented underneath.

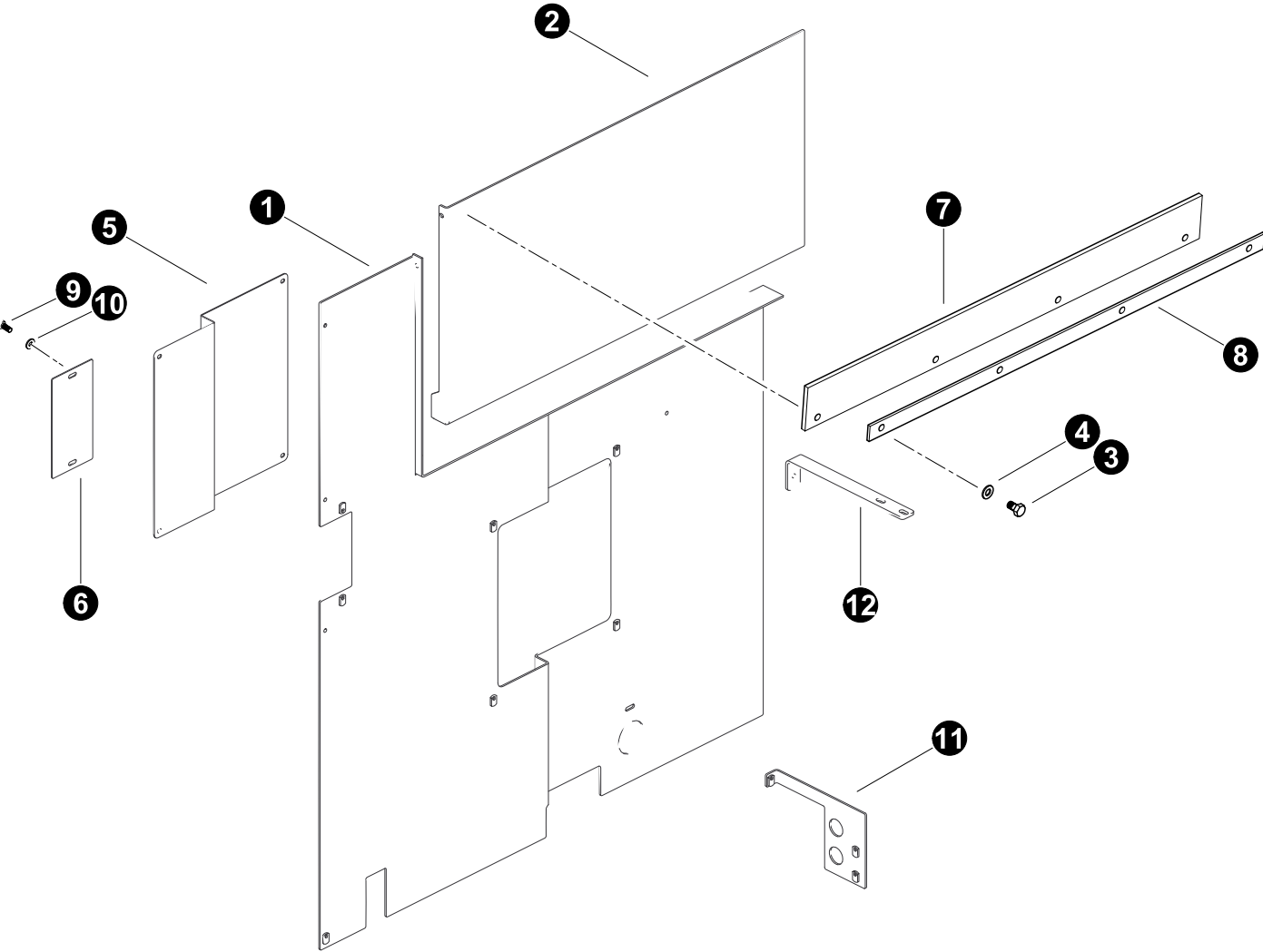


Parts T3962 1/15
25.00

BARRIER PANELS - REAR and TOP**Cummins QSC 8.3L**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	REAR ENGINE MOUNT	EE-1
2	REF	1	REAR ENGINE MOUNT	EE-1
3	46940-EE	1	COVER, AIR CLEANER ACCESS - CUMMINS	
4	46894-EE	1	PANEL, ENGINE - CUMMINS C SERIES	
5	48487-EE	1	WELDMENT, AIR CLEANER MOUNT - TAIL SWING	
6	46936-EE	1	SHIELD, HEAT - EXHAUST PIPE	
7	15604-EE	4	BOLT - .25" X .75"	
8	10757-EE	4	WASHER, SAE FLAT - .25"	
9	18416-EE	2	BOLT - 10MM-1.5P X 25MM	
10	15548-EE	2	WASHER, SAE FLAT - .4375"	
11	20084-EE	1	BOLT - .375" X 1.75"	
12	15528-EE	2	WASHER, SAE FLAT - .375"	
13	10700-EE	1	NUT, HEX - .375"	
14	15528-EE	2	WASHER, SAE FLAT - .375"	
15	10813-EE	1	NUT, LOCK - .375"	
16	15559-EE	4	WASHER, SAE FLAT - .3125"	
17	15605-EE	4	BOLT - .3125" X .75"	
18	46939-EE	1	BRACKET, HEAER SHIELD SUPPORT - CUMMINS	
19	46238-EE	1	SHIELD, TURBO - CUMMINS TIER 3	
20	46234-EE	1	SHIELD, EXHAUST MANIFOLD - CUMMINS TIER3	

☐ Kit or Assembly - includes all items indented underneath.

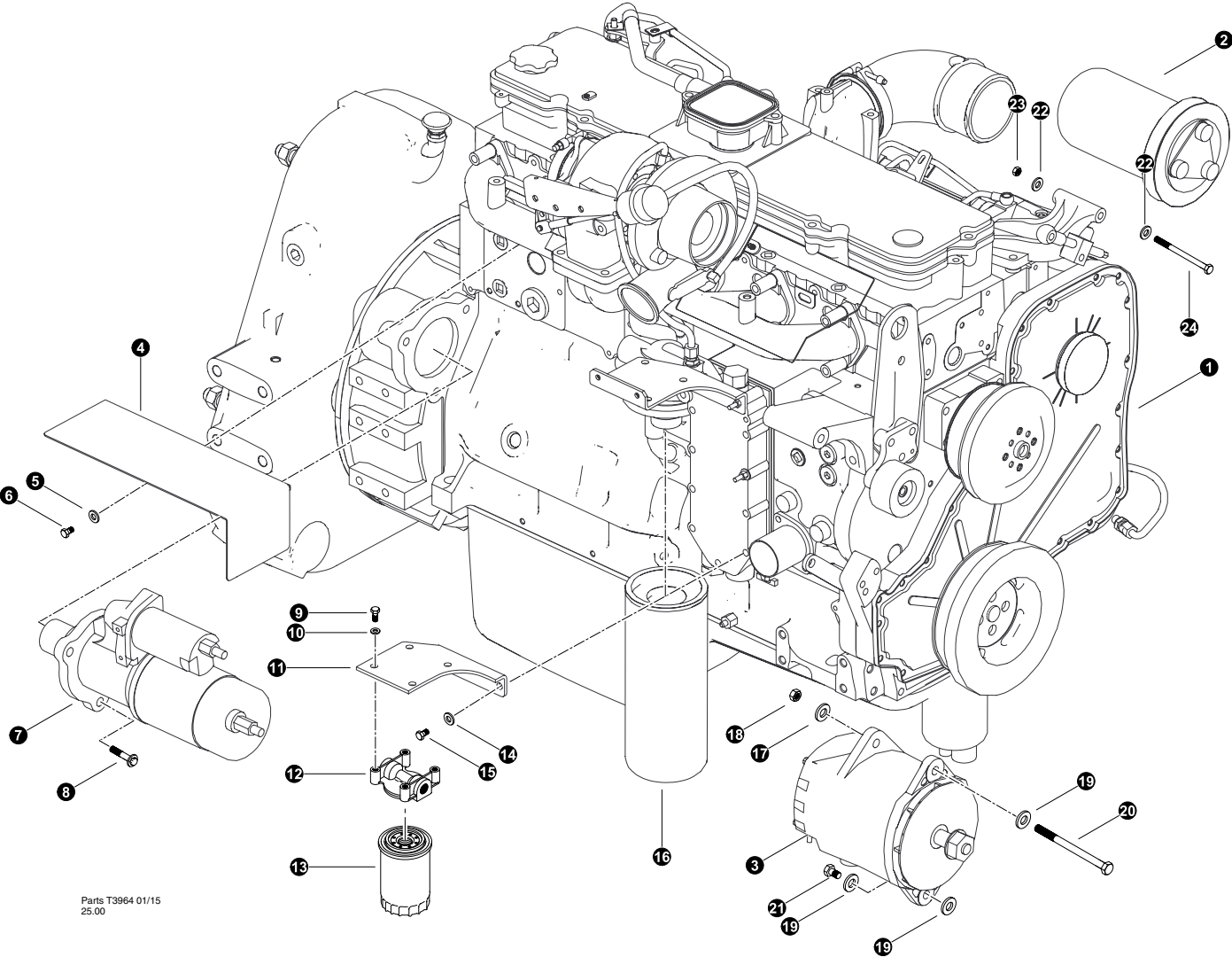


Parts T3975 01/15
25.00

BARRIER PANELS - FRONT SIDE**Cummins QSC 8.3L**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	48291-EE	1	WELDMENT, ENG BARRIER - VALVE COVER	
2	48290-EE	1	BARRIER, ENGINE 3 - C MODEL	
3	15604-EE	7	BOLT - .25" X .75"	
4	10757-EE	7	WASHER, SAE FLAT - .25"	
5	48559-EE	1	PANEL, ENGINE BARRIER	
6	48560-EE	1	PANEL, CHARGE VALVE	
7	47202-EE	1	RUBBER,	
8	53052-EE	1	BAR, RETAINER	
9	15604-EE	4	BOLT - .25" X .75"	
10	10757-EE	4	WASHER, SAE FLAT - .25"	
11	48572-EE	1	PLATE, Bulkhead Mount Fan Tubelines	
12	48561-EE	2	BRACKET, ENGINE BARRIER	

☐ Kit or Assembly - includes all items indented underneath.

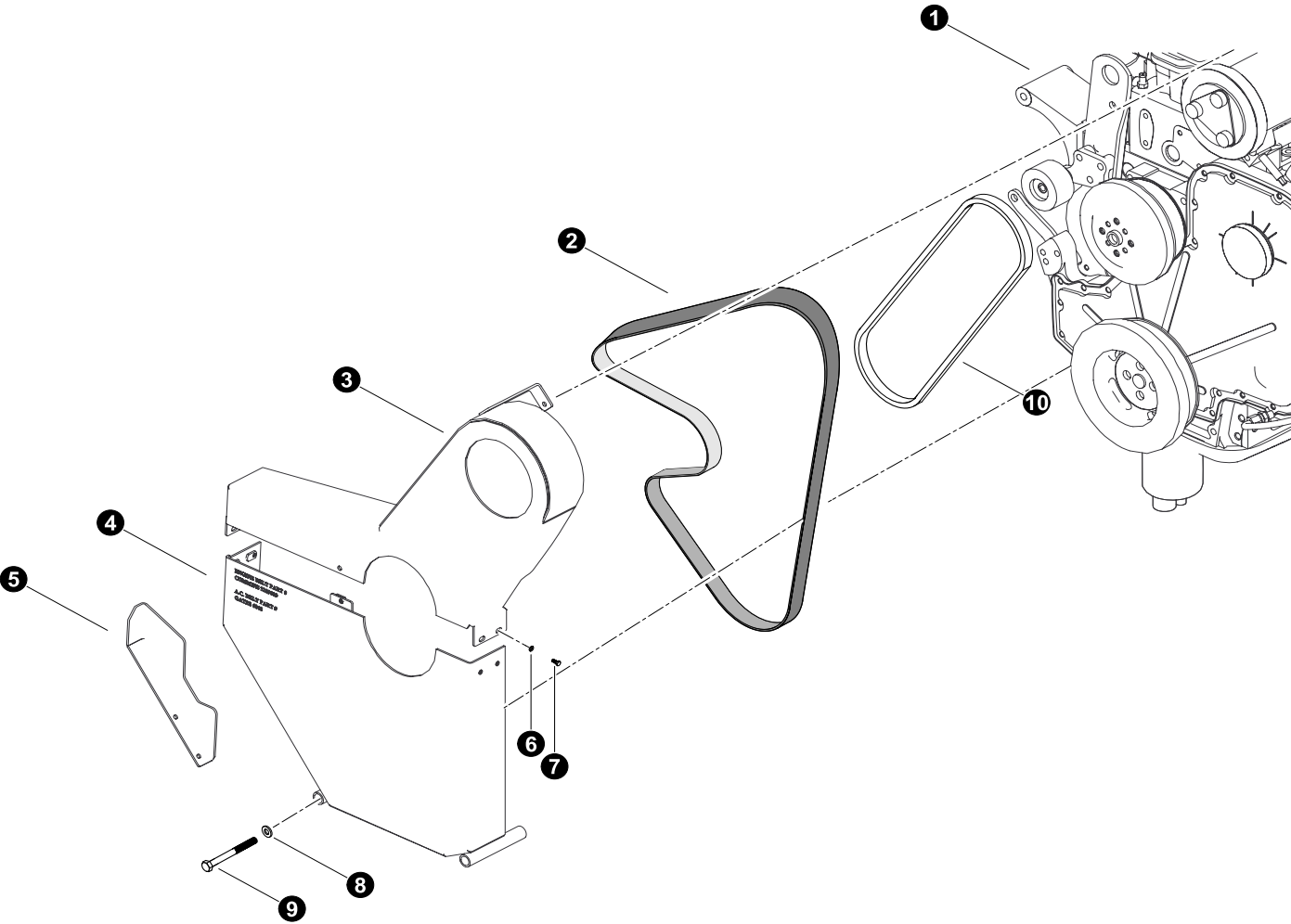


Starter, Alternator, Compressor and Filters

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	ENGINE, CUMMINS	EE-1
2	55135-EE	1	COMPRESSOR, A/C - C MODEL / SKIDDER	
3	53246-EE	1	ALTERNATOR, TIER 3 CUMMINS - 24V/100A	
4	46199-EE	1	SHIELD, STARTER - CUMMINS TIER 3	
5	15548-EE	2	WASHER, SAE FLAT - .4375"	
6	17395-EE	2	BOLT - 10MM-1.5P X 20MM	
7	53240-EE	1	STARTER - C8.3C/QSC (24V) 3102767	
8	-EE	1	BOLT, 12 point cap - 10mm x 35 mm	
9	15542-EE	4	BOLT - .375" X .75"	
10	15528-EE	4	WASHER, SAE FLAT - .375"	
11	46739-EE	1	PLATE, WATER - FLITER SUPPORT - CUMMINS	
12	16574-EE	1	MOUNT, FILTER HEAD ASSEMBLY	
13	20445-EE	1	FILTER, COOLANT - CUMMINS C SERIES	
14	15548-EE	2	WASHER, SAE FLAT - .4375"	
15	25038-EE	2	BOLT - 8MM-1.25P X 65MM	
16	16070-EE	1	FILTER, engine oil	
17	15534-EE	2	WASHER, SAE FLAT - .5"	
18	24610-EE	1	NUT, HEX - 12MM-1.75P	
19	15534-EE	2	WASHER, SAE FLAT - .5"	
20	-EE	1	BOLT, Flange Head - 12mm x 150mm	
21	50149-EE	1	BOLT - 12MM-1.75P X 25MM	
22	15528-EE	2	WASHER, SAE flat - 3/8"	
23	15530-EE	1	NUT, hex - 10mm-1.5P	
24	24604-EE	1	BOLT - 10mm-1.5P x 125mm (Flange Head)	



See referenced page for component or assembly breakdown.



Parts T3963 01/15
12.5

ENGINE BELT AND SHROUDS

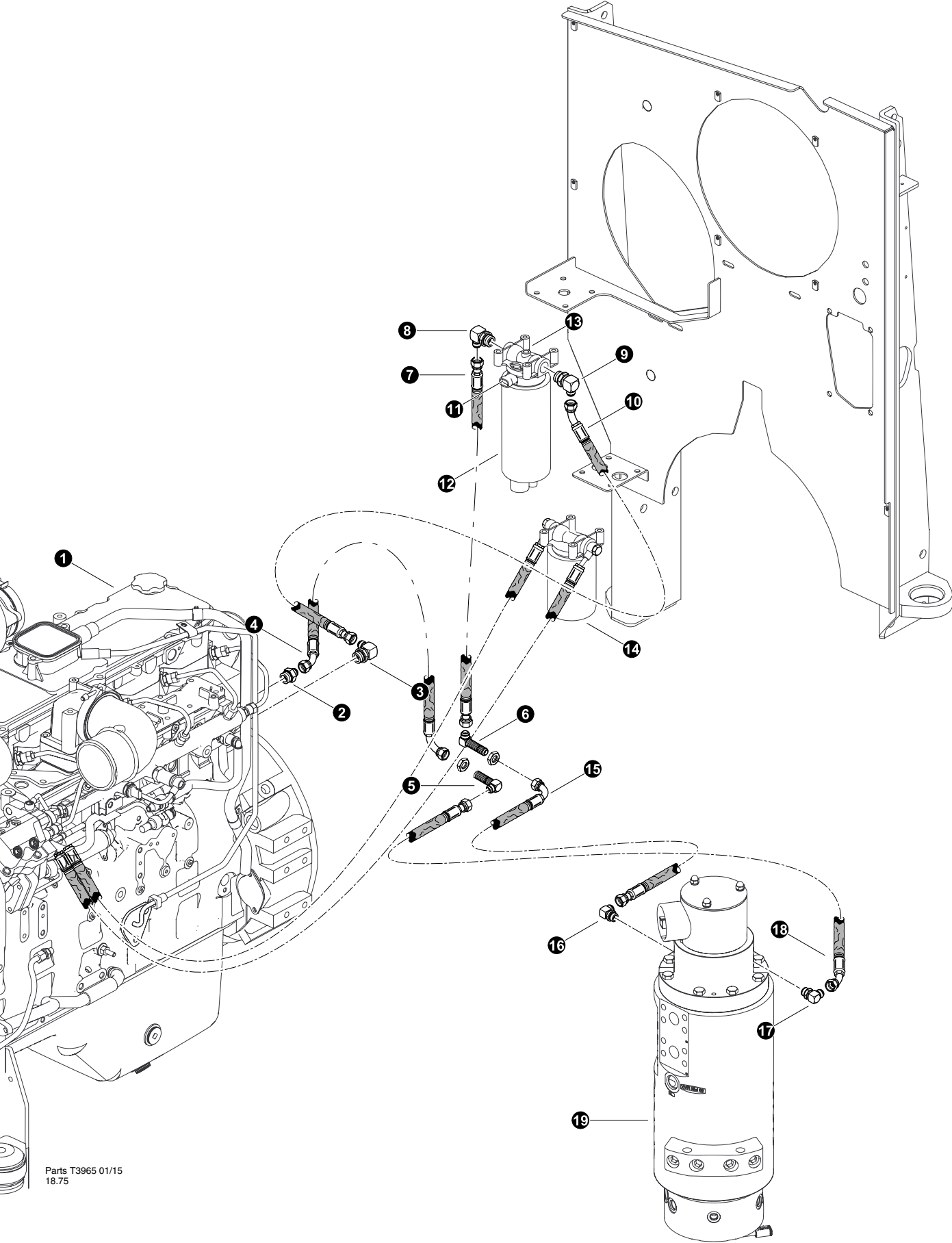
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ENGINE - Cummins QSC8.3-C	
2	3289809	1		BELT, Cummins QSC8.3- C Model	
-	46268-EE	1		SHROUD, RADIATOR FAN DRIVE ENGINE	
3	46272-EE	1		SHROUD, TOP	
4	46275-EE	1		SHROUD, Bottom	
5	46288-EE	1		SHROUD, Side	
6	10757-EE	4		WASHER, SAE FLAT - .25"	
7	15604-EE	4		BOLT - .25" X .75"	
8	15534-EE	2		WASHER, SAE FLAT - .5"	
9	53110-EE	2		BOLT - 12MM X 180MM FAN GUARD	
10	55584-EE	1		BELT, A/C COMPRESSOR - C-SERIES - Gates PoweRated 6848	



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



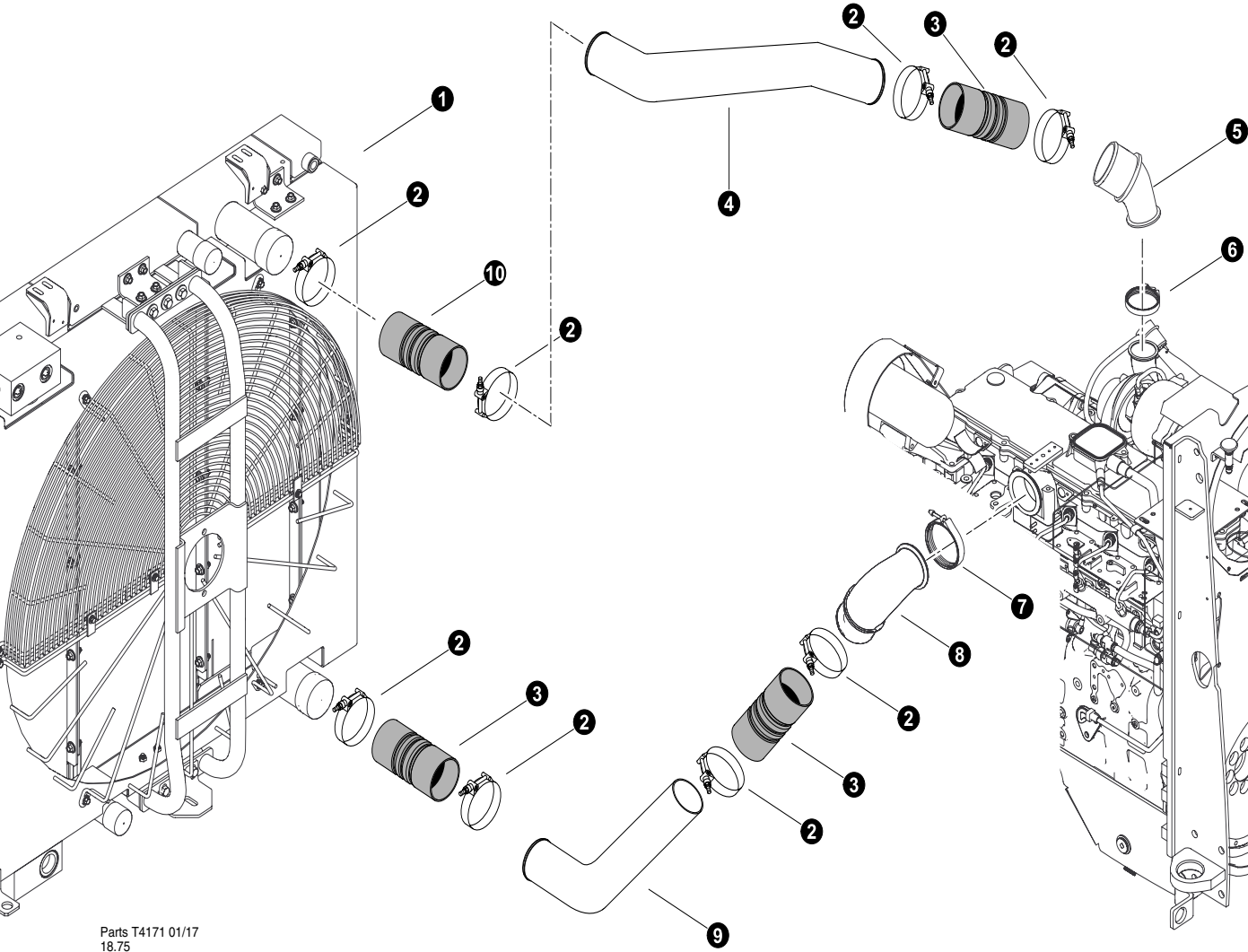
Parts T3965 01/15
18.75

FUEL LINES

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ENGINE - Cummins QSC8.3-C.....	EE-1
2	53103-EE	1		FITTING, 6-8 - ORB-JIC 830-B	
3	53073-EE	1		ELBOW, 90 6-JIC X 10-ORB	
4	-EE	1		HOSE ASSEMBLY - 2038-06-06JS-06J4-W (<i>Engine Return to Bulkhead</i>)	
5	55347-EE	1		FITTING, ELBOW - BULKHEAD 6 WETX-WLN-S	
6	55347-EE	1		FITTING, ELBOW - BULKHEAD 6 WETX-WLN-S	
7	-EE	1		HOSE ASSEMBLY - 2027-06-06JS-06J9-W (<i>Filter Supply to Bulkhead</i>)	
8	53073-EE	1		ELBOW, 90 6-JIC X 10-ORB	
9	53073-EE	1		ELBOW, 90 6-JIC X 10-ORB	
10	-EE	1		HOSE ASSEMBLY - 2038-06-06JS-06J4-W (<i>Engine Supply to Filter</i>)	
11	-EE	1		Thermostat, Fuel Heater (3942357)	
12	24062-EE	1		FILTER, FUEL (CUMMINS QSC - ELECTRONIC)	
13	-EE	1		HEAD, Fuel Filter (3944986)	
14	52848-EE	1		FILTER, FUEL - PRIMARY QSC TIER 3	
15	-EE	1		HOSE ASSEMBLY - 2081-06-06JS-06J9-W (<i>rotary manifold port FR to Bulkhead</i>)	
16	15480-EE	1		ELBOW, 90 - 6801-6	
17	15480-EE	1		ELBOW, 90 - 6801-6	
18	-EE	1		HOSE ASSEMBLY - 2081-06-06JS-06J9-W (<i>rotary manifold port FS to Bulkhead</i>)	
19	REF	1		ROTARY MANIFOLD.....	UP-1



See referenced page for component or assembly breakdown.



Parts T4171 01/17
18.75

CHARGE AIR (Air To Air Connections engine)

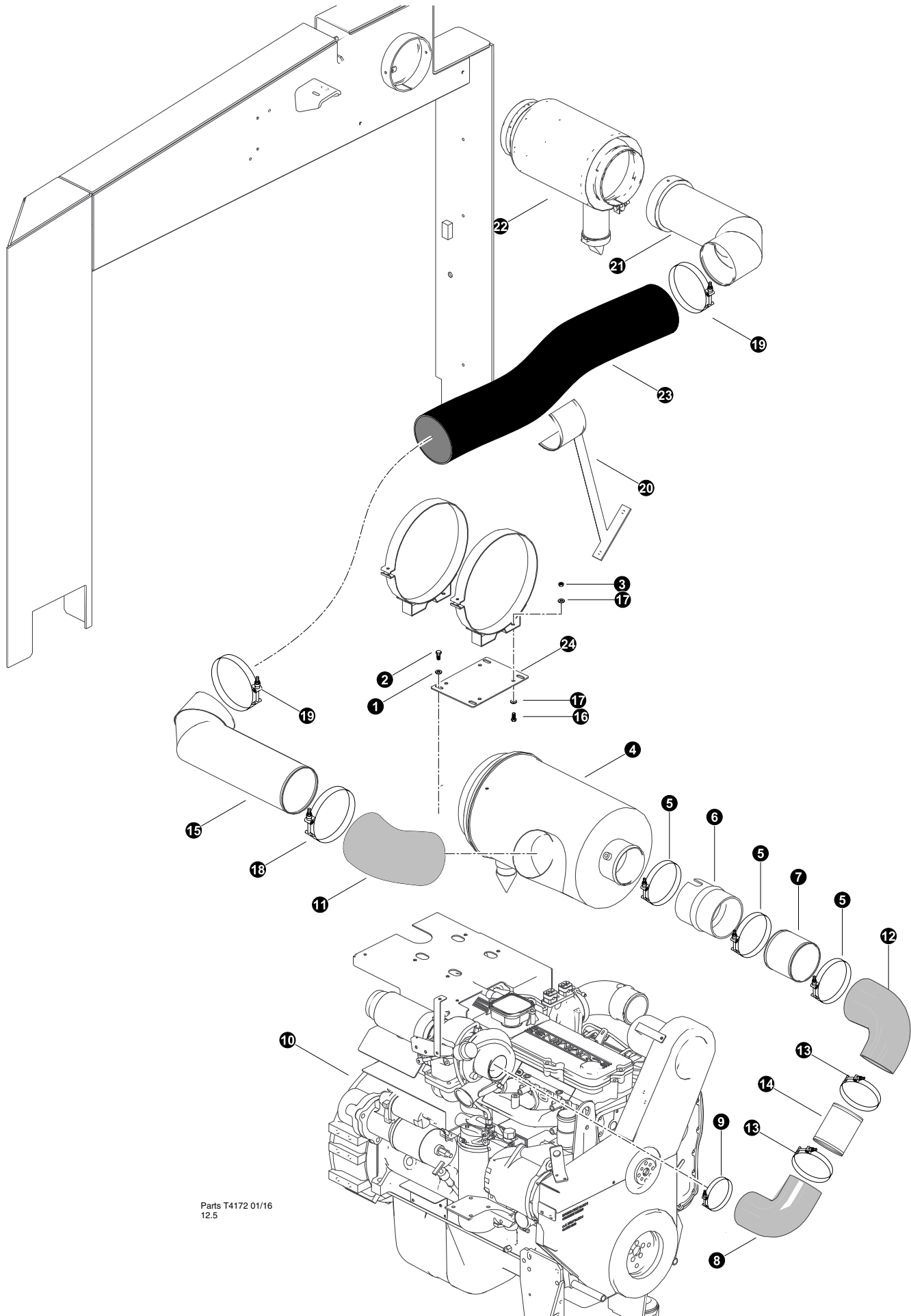
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		RADIATOR / AIR COOLER ASSEMBLY	EE-3
2	52862-EE	6		CLAMP, spring hose - 4" (3926703)	
3	52861-EE	4		HOSE, HUMP - SILICONE (3 WIRE CUMMINS)	
4	48702-EE	1		TUBE, TOP CAC - ENGINE CA OUT	
5	-EE	1		CUMMINS - Air Transfer Elbow	
6	-EE	1		CLAMP, V-Band - 3101325	
7	-EE	1		CLAMP, V-Band - 3067979	
8	-EE	1		CUMMIN - Air Transfer Elbow - 3682674	
9	48387-EE	1		TUBE, AIR TO AIR (LOWER) C-SERIES	
10	52753-EE	1		ELBOW, 90 - 3.5" X 6" SILICONE C-SERIES	



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



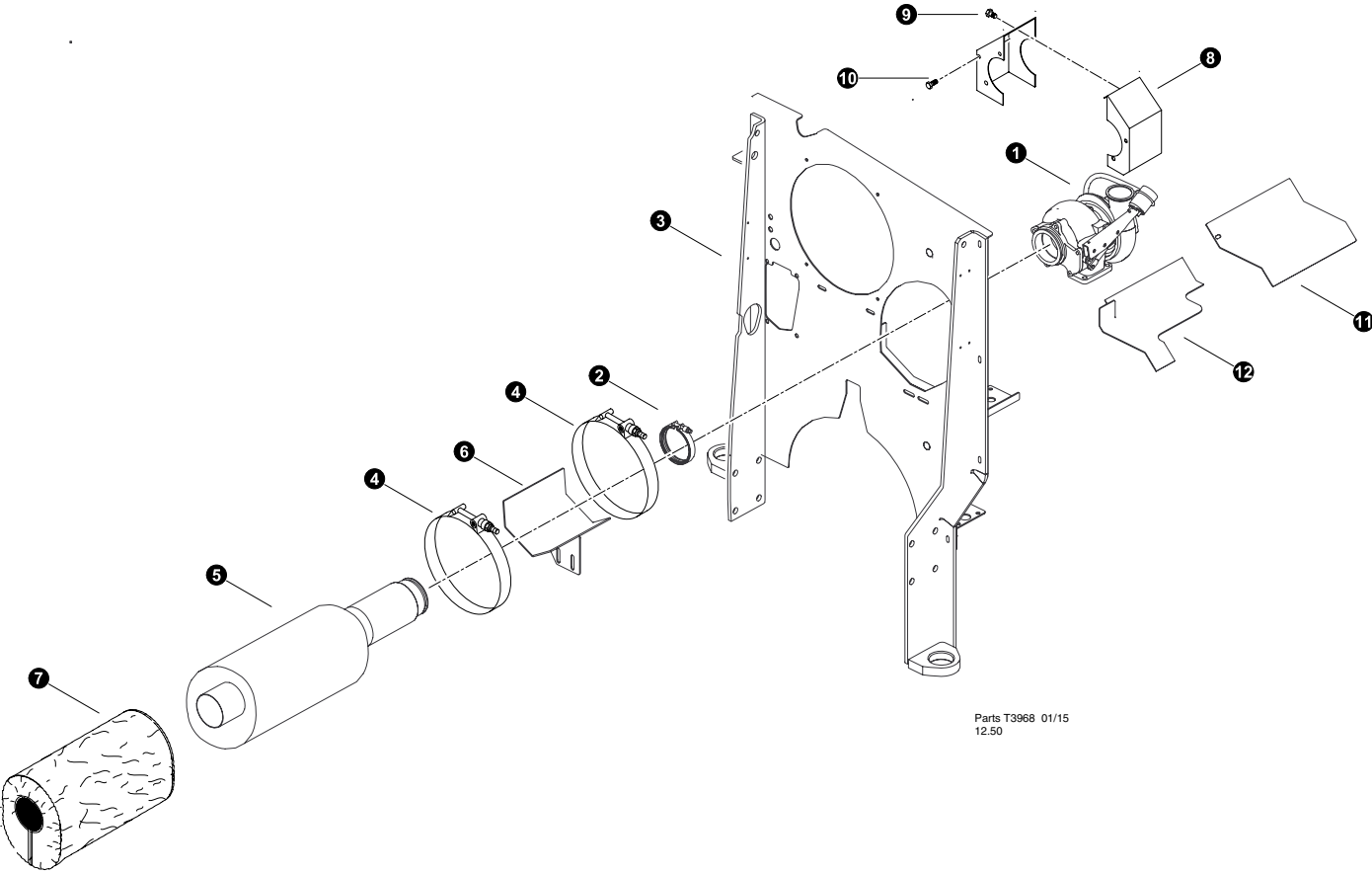
Parts T4172 01/16
12.5

AIR CLEANER INSTALLATION**(Cummins Tier 3 engines)**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	15559-EE	4	WASHER, SAE FLAT - .3125"	
2	15605-EE	4	BOLT - .3125" X .75"	
3	10813-EE	4	NUT, LOCK - .375"	
4	REF.	1	 AIR CLEANER ASSEMBLY	EE-1
5	16249-EE	3	CLAMP, strap band - 5-1/2"	
6	52055-EE	1	HOSE, HUMP AIR CLEANER (5" X 5") CUMMINS	
7	46374-EE	1	TUBE, AIR CLEANER / TURBO - C SERIES (LH	
8	55634-EE	1	ELBOW, RUBBER - 4" x 4" - CUMMINS C-SER.	
9	15697-EE	1	CLAMP, strap band - 4-1/2"	
10	REF.	1	 ENGINE - Cummins C8.3-C	EE-1
11	57286-EE	1	ELBOW, RUBBER	
12	15831-EE	1	ELBOW, 90 RUBBER - AIR CLEANER 4" X 5"	
13	15697-EE	2	CLAMP, strap band - 4-1/2"	
14	46529-EE	1	TUBE, AIR INTAKE STEEL - TURBO TO CLEAN	
15	57294-EE	1	WELDMENT, AIR TUBE - AIR CLEANER TAIL	
16	11707-EE	4	BOLT - .375" X 1"	
17	15528-EE	8	WASHER, SAE FLAT - .375"	
18	53749-EE	2	CLAMP, HOSE - WORM STYLE - AIR CLEANER	
19	55579-EE	2	CLAMP, DUCT HOSE - 6"	
20	48723-EE	1	PLATE, AIR INTAKE SUPPORT	
21	48250-EE	1	WELDMENT, PRE-CLEANER ADAPTER - TL765C	
22	57212-EE	1	PRECLEANER, AIR INTAKE INLINE - TL765C	
23	55578-EE	48"	HOSE, DUCT - AIR CLEANER TO UPPER - 6"	
24	46934-EE	1	PLATE, AIR CLEANER - CUMMINS	



See referenced page for component or assembly breakdown.

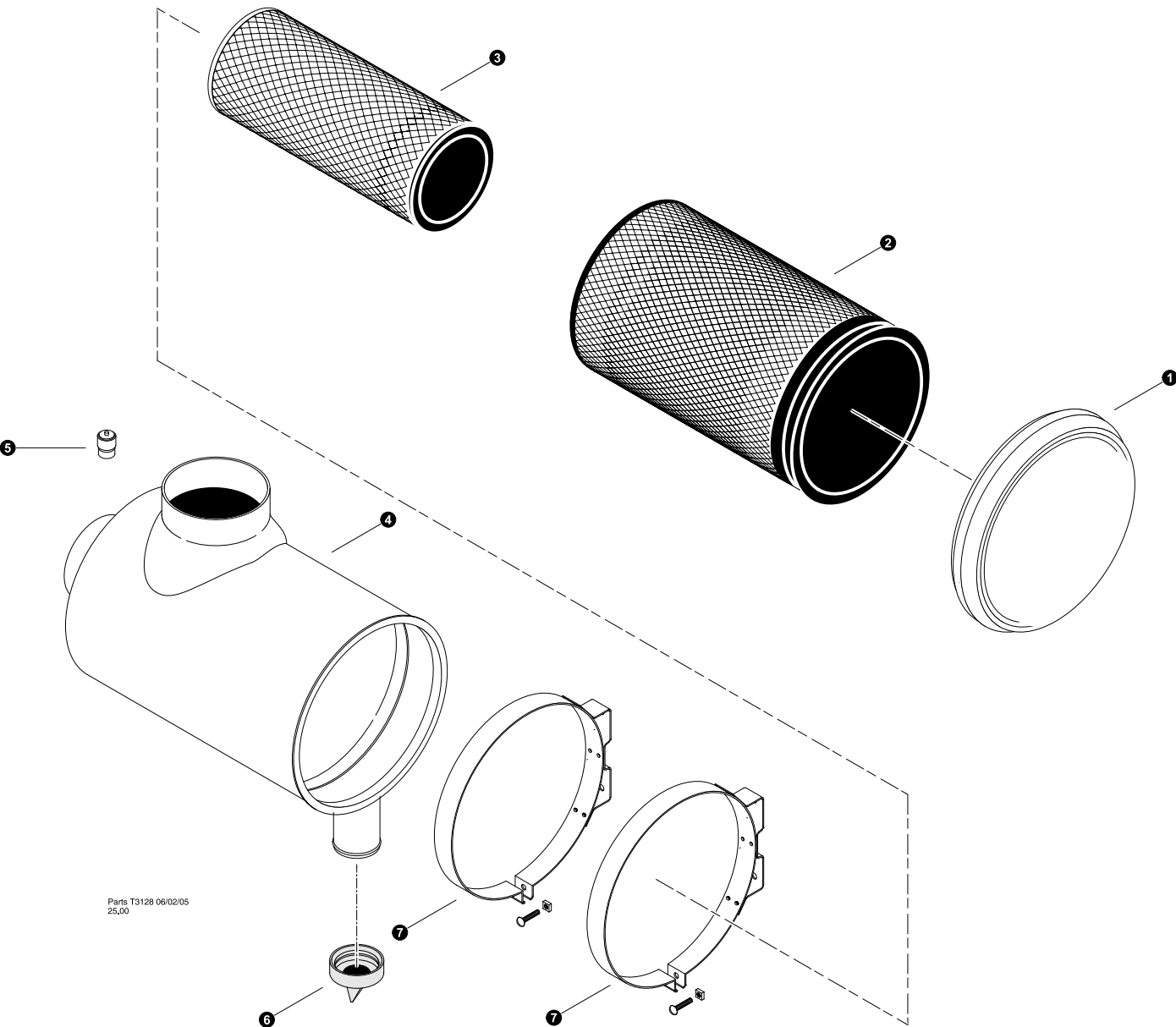


MUFFLER INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ENGINE - Cummins C8.3-C	EE-1
2	20452-EE	1		CLAMP, turbo exhaust (3905216)	
3	REF.	1		REAR ENGINE PANEL	EE-1
4	55373-EE	2		CLAMP, MUFFLER - C SERIES - CUMMINS	
5	46182-EE	1		WELDMENT, MUFFLER ASSY - CUMMINS	
6	46157-EE	1		WELDMENT, MUFFLER MTG BRKT	
7	55142-EE	1		INSULATION, MUFFLER (C-SERIES)	
8	54839-EE	1		GUARD, TURBO - DEBRIS DEFLECTOR (standard)	
9	25059-EE	1		BOLT - 8MM-1.25P X 20MM	
10	25060-EE	2		BOLT - 8MM-1.25P X 25MM	
11	46234-EE	1		GUARD, exhaust manifold	
12	46238-EE	1		GUARD, exhaust manifold	



See referenced page for component or assembly breakdown.



AIR CLEANER ASSEMBLY

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	51729-EE	1	☐	AIR CLEANER ASSEMBLY - 830/630	
1	---	1		COVER - AIR CLEANER	
2	51756-EE	1		FILTER, air cleaner - primary	
3	51757-EE	1		FILTER, air cleaner - secondary	
4	---	1		CANISTER, air cleaner	
5	16114-EE	1		INDICATOR, air cleaner filter service	
6	52053-EE	1		BOOT, Air Cleaner Dust	
7	20450-EE	2	☐	CLAMP, air cleaner band	
-	15591-EE	1		BOLT - 5/16" x 1-1/2"	
-	10788-EE	1		NUT, nylock - 5/16"	

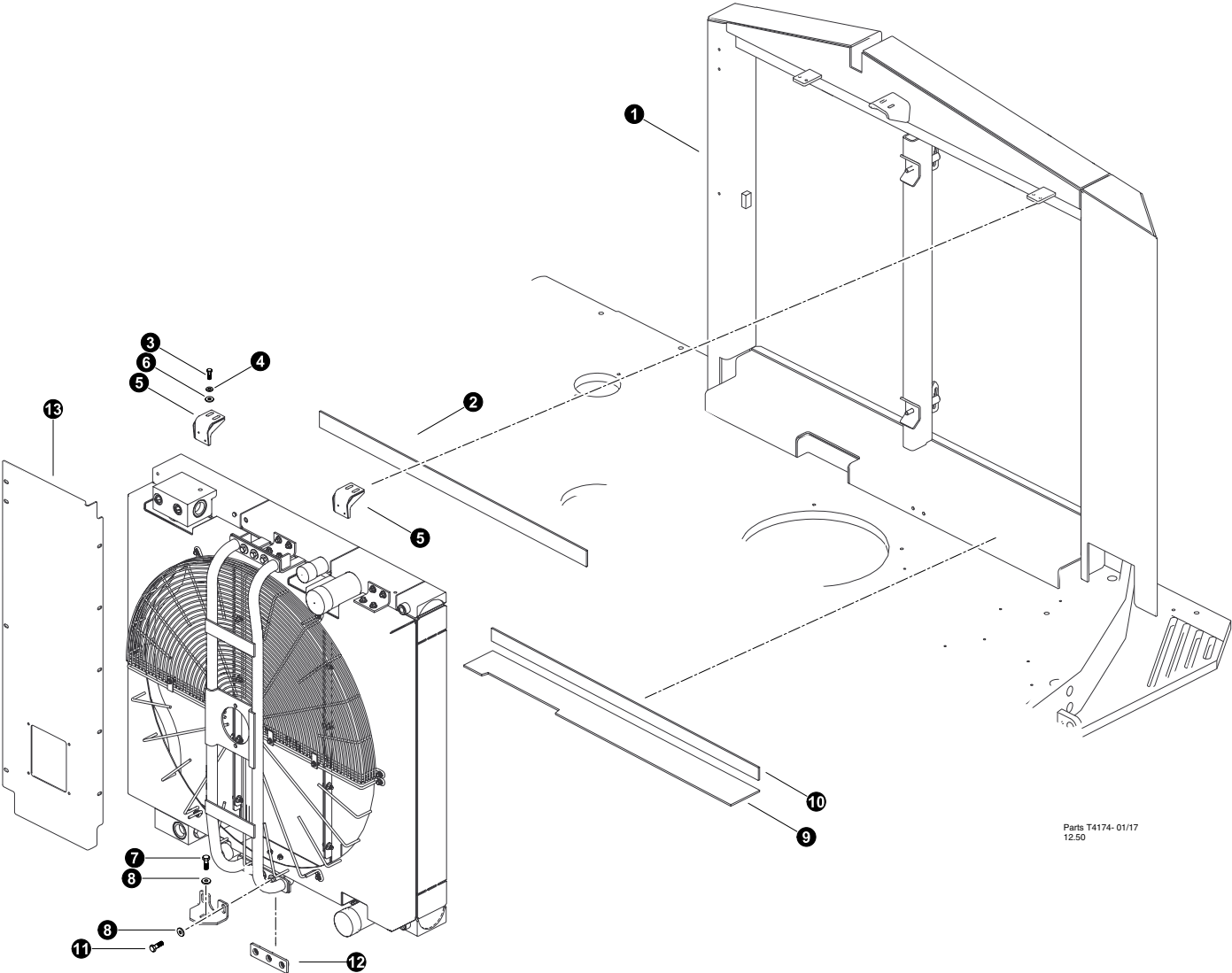
☐ Kit or Assembly - includes all items indented underneath.

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Section EE-3

Cummins Engine - Cooling System Installation

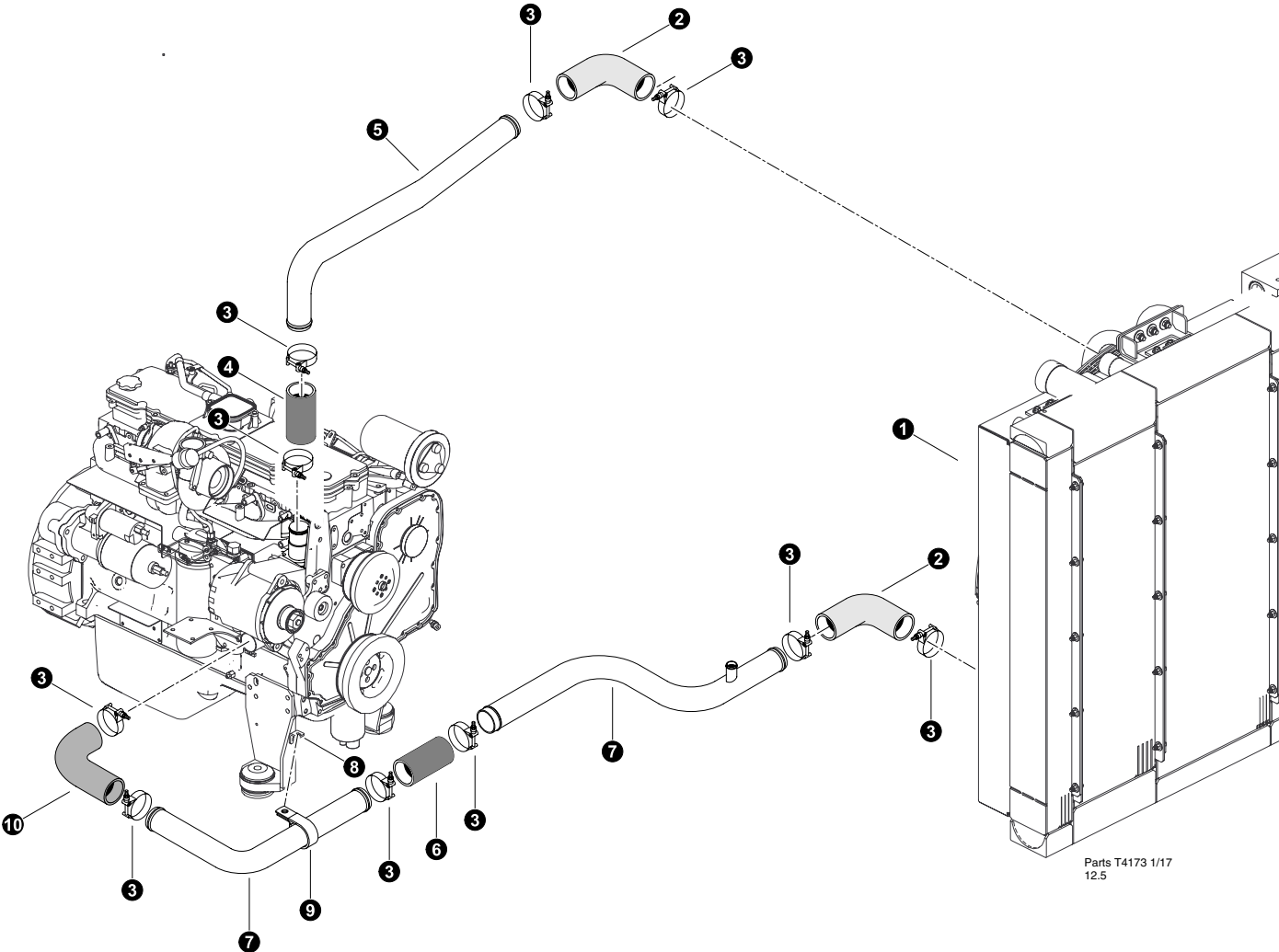


Parts T4174- 01/17
12.50

RADIATOR/OIL & COOLER INSTALATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	 UPPER TURNTABLE ASSEMBLY UP-1	
2	46631-EE	2	RUBBER, FLAP - COOLER UPPER (C-SERIES)	
3	10402-EE	4	BOLT - .375" X 1.25"	
4	15528-EE	4	WASHER, SAE FLAT - .375"	
5	46763-EE	2	CLAMP, COOLER MOUNT - C SERIES	
6	10802-EE	4	WASHER, FLAT - .375"	
7	10783-EE	1	BOLT - .5" X 1"	
8	15534-EE	3	WASHER, SAE FLAT - .5"	
9	46629-EE	1	RUBBER, FLAP - COOLER LOWER (C SERIES)	
10	46630-EE	1	RUBBER, FLAP - COOLER FRONT (C SERIES)	
11	10736-EE	2	BOLT - .5" X 2"	
12	46177-EE	1	BAR, MOUNT PLATE	
13	48449-EE	1	PANEL, COOLER FILL	

 See referenced page for component or assembly breakdown.



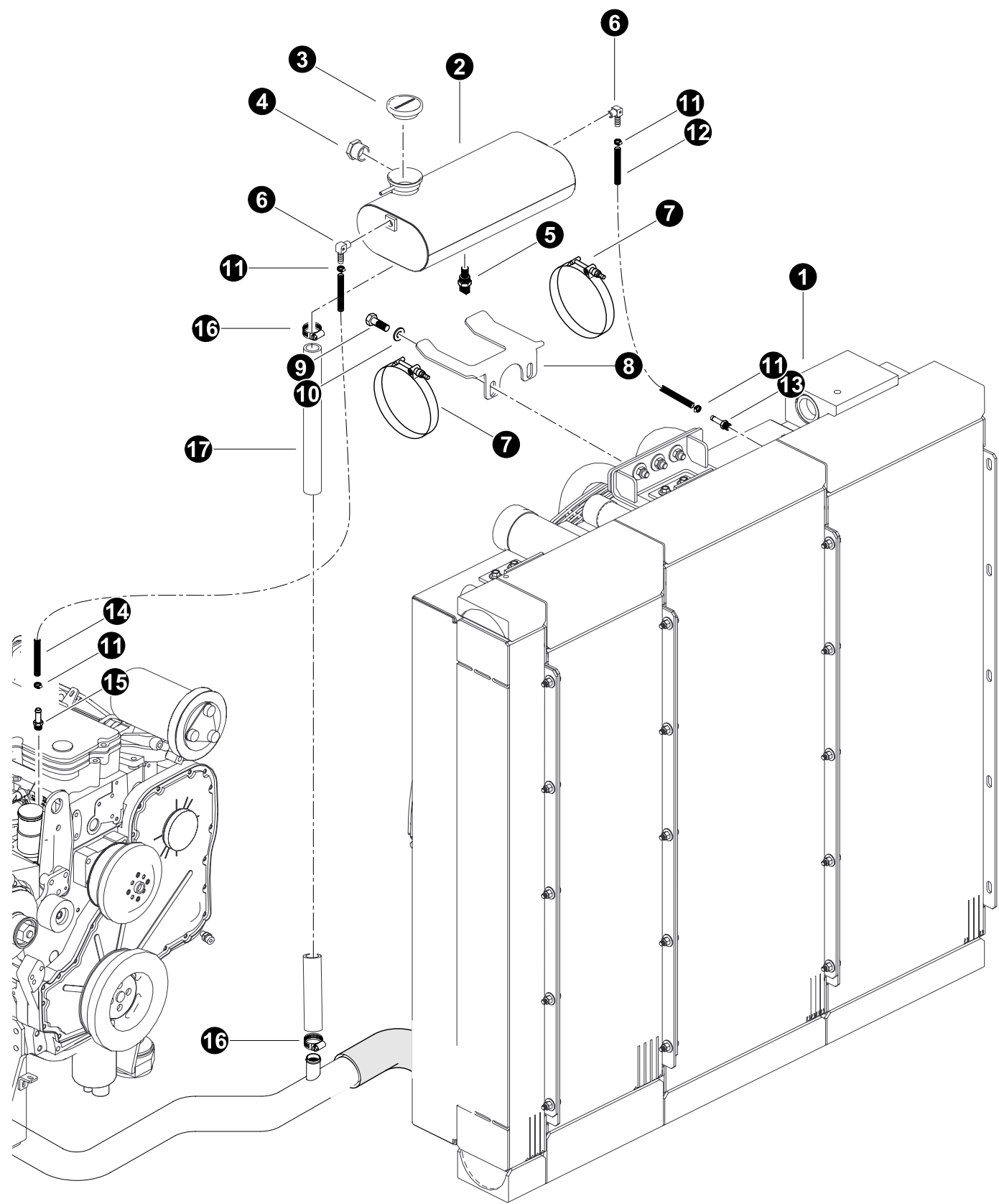
RADIATOR TO ENGINE CONNECTIONS

(Cummins QSC-QSL Engine)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		RADIATOR / CHARGE AIR ASSEMBLY	UP-3
2	55583-EE	1		HOSE, 90 DEGREE RADIATOR - 2.5"	
3	18104-EE	8		CLAMP, CONSTANT TORQUE - #40	
4	-EE	1		HOSE, RADIATOR - 2.5"	
5	48583-EE	1		TUBE, UPPER COOLANT LINE-TAIL SWING	
6	-EE	1		HOSE, RADIATOR - 2.5"	
7	48582-EE	1		TUBE, LOWER COOLANT LINE-TAIL SWING	
8	46421-EE	1		BRACKET, COOLER LINE SUPPORT	
9	0708827	1		CLAMP, Rubber Coated	
10	55583-EE	1		HOSE, 90 DEGREE RADIATOR - 2.5"	



See referenced page for component or assembly breakdown.



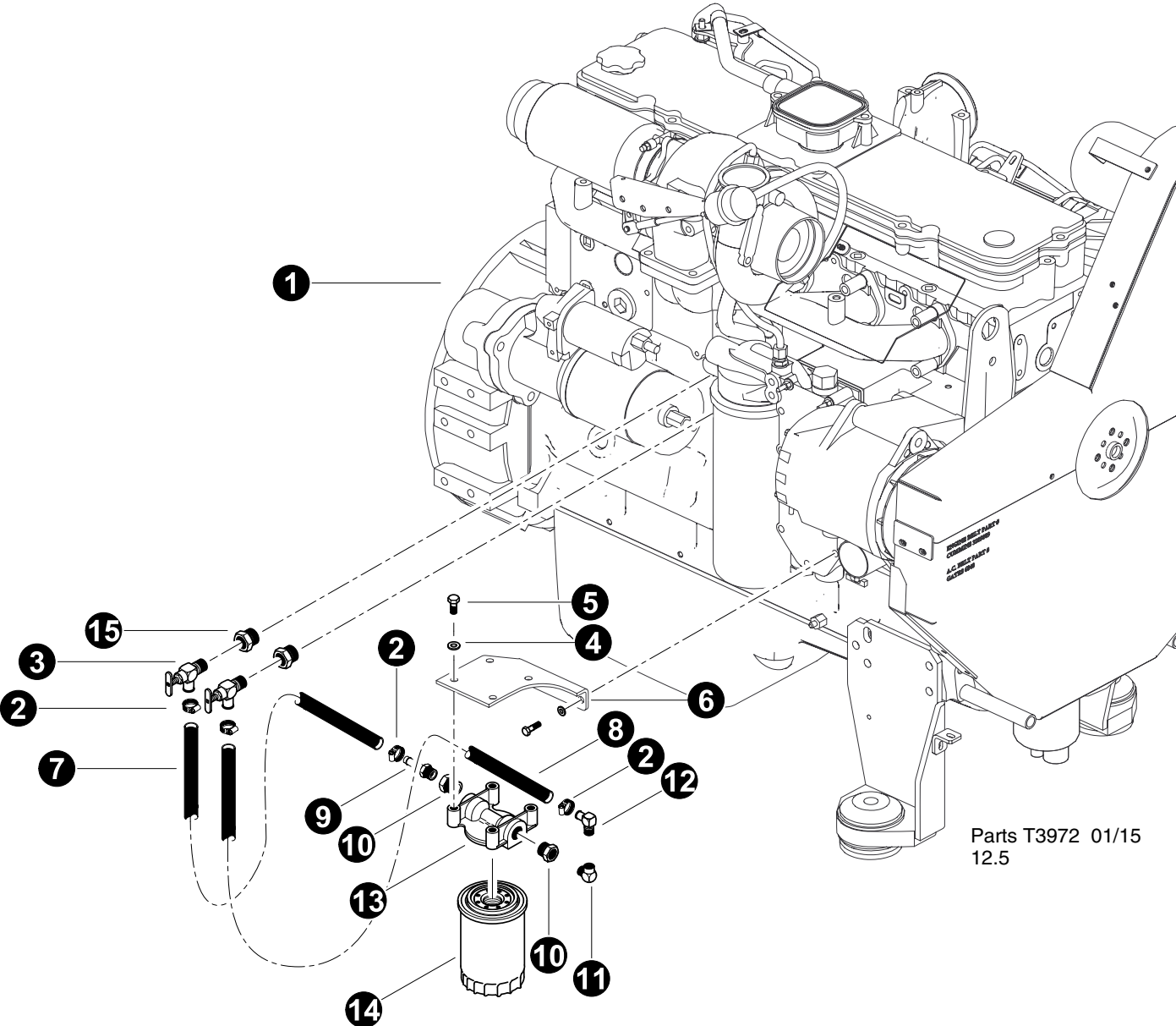
Parts T3971 1/15
12.5

OVER FLOW TANK CONNECTIONS

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		RADIATOR / CHARGE AIR ASSEMBLY	UP-3
2	46280-EE	1		WELDMENT, BURP TANK C-MODEL	
3	15897-EE	1		CAP, RADIATOR - 7 PSI	
4	24308-EE	1		SIGHT GLASS - HYDRAULIC TANK	
5	52661-EE	1		SENSOR, LOW COOLANT - TIER 3	
6	52586-EE	2		ELBOW, 90 MALE HOSE BARB 6-4	
7	18828-EE	2		CLAMP, STRAP BAND - 6.75"	
8	46278-EE	1		PLATE, BURP TANK MTG-C-MODEL TIER III	
9	10736-EE	2		BOLT - .5" X 2"	
10	15534-EE	2		WASHER, SAE FLAT - .5"	
11	16202-EE	4		CLAMP, HOSE - WORM STYLE - .625"	
12	16283-EE	-		HOSE, FUEL LINE (BULK ROLL) - .3125"	
13	16989-EE	1		CONNECTOR, STR HOSE BARB - 4245-5-2	
14	16283-EE	-		HOSE, FUEL LINE (BULK ROLL) - .3125"	
15	-EE	1		CONNECTOR, STR HOSE BARB (cummins with coolant orifice)	
16	16256-EE	2		CLAMP, HOSE - WORM STYLE - 1"	
17	15677-EE	-		HOSE, HEATER - (BULK ROLL) 1" X 50'	



See referenced page for component or assembly breakdown.



COOLANT FILTER INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		CUMMINS QSC ENGINE	EE-1
2	16202-EE	4		CLAMP, HOSE - WORM STYLE - .625"	
3	179901	2		VALVE, Shut-Off Cummins Water	
4	15528-EE	4		WASHER, SAE FLAT - .375"	
5	11707-EE	4		BOLT - .375" X 1"	
6	46739-EE	1		PLATE, WATER - FLITER SUPPORT - CUMMINS	
7	16283-EE	-		HOSE, FUEL LINE (BULK ROLL) - .3125"	
8	16283-EE	-		HOSE, FUEL LINE (BULK ROLL) - .3125"	
9	16989-EE	1		CONNECTOR, STR HOSE BARB - 4245-5-2	
10	11318-EE	1		BUSHING, REDUCER - 5406-6-4	
11	24288-EE	1		BUSHING, BRASS - .375 X .75	
12	52586-EE	1		ELBOW, 90 MALE HOSE BARB 6-4	
13	16574-EE	1		MOUNT, FILTER HEAD ASSEMBLY	
14	20445-EE	1		FILTER, COOLANT - CUMMINS C SERIES	
15	24288-EE	2		BUSHING, BRASS - .375 X .75	

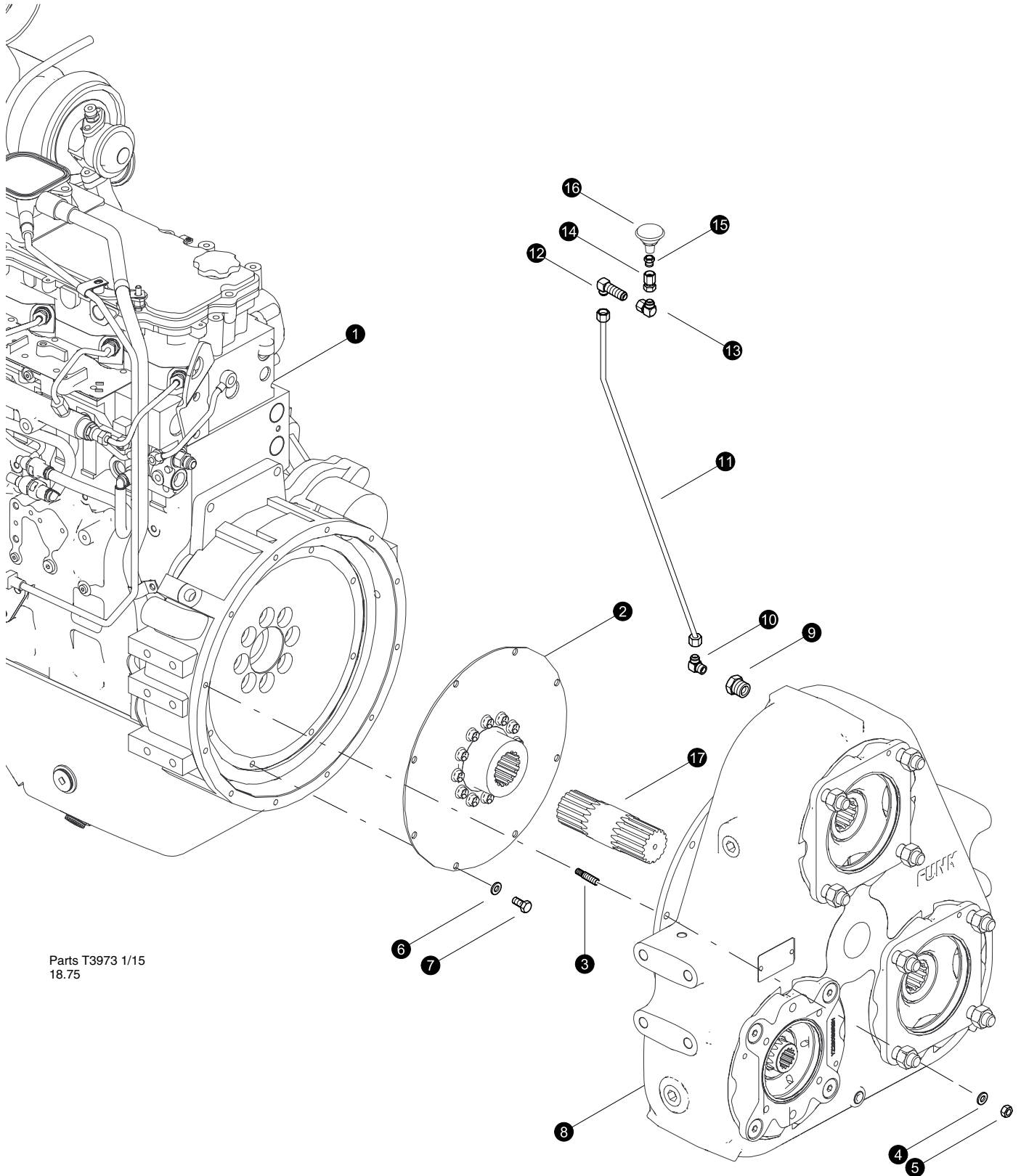


See referenced page for component or assembly breakdown.

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Section EE-4

Cummins Engine - Pump Drive Transmission



PUMP DRIVE TRANSMISSION INSTALLATION (Funk)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ENGINE - Cummins QSC8.3.	EE-1
2	18028-EE	1		DRIVEPLATE ASSY. - FUNK	
3	15531-EE	12		STUD, threaded - 10mm x 45mm (See Note #1 below)	
4	15528-EE	12		WASHER, SAE flat - 3/8"	
5	15530-EE	12		NUT, hex - 10mm (See Note #2 below) (Torque to 40 ft.lbs. (53 Nm))	
6	15528-EE	8		WASHER, SAE flat - 3/8"	
7	15542-EE	8		BOLT - 3/8" x 3/4" (See Note #1 below) (Torque to 40 ft.lbs. (53 Nm))	
8	REF.	1		PUMP DRIVE TRANSMISSION	EE-4
9	11312-EE	1		BUSHING, REDUCER - 5406-8-4	
10	55205-EE	1		FITTING, ELBOW - 6 CTX-S	
11	55647-EE	1		TUBELINE, GEAR BOX VENT - CUMMINS	
12	55347-EE	1		FITTING, ELBOW - BULKHEAD 6 WETX-WLN-S	
13	16661-EE	1		ELBOW, 90 SWIVEL - 6500-6	
14	-EE	1		FITTING - 6-6 G6X-S	
15	11318-EE	1		BUSHING, REDUCER - 5406-6-4	
16	21304-EE	1		VENT - YZ106688	
17	18388-EE	1		SHAFT, drive	



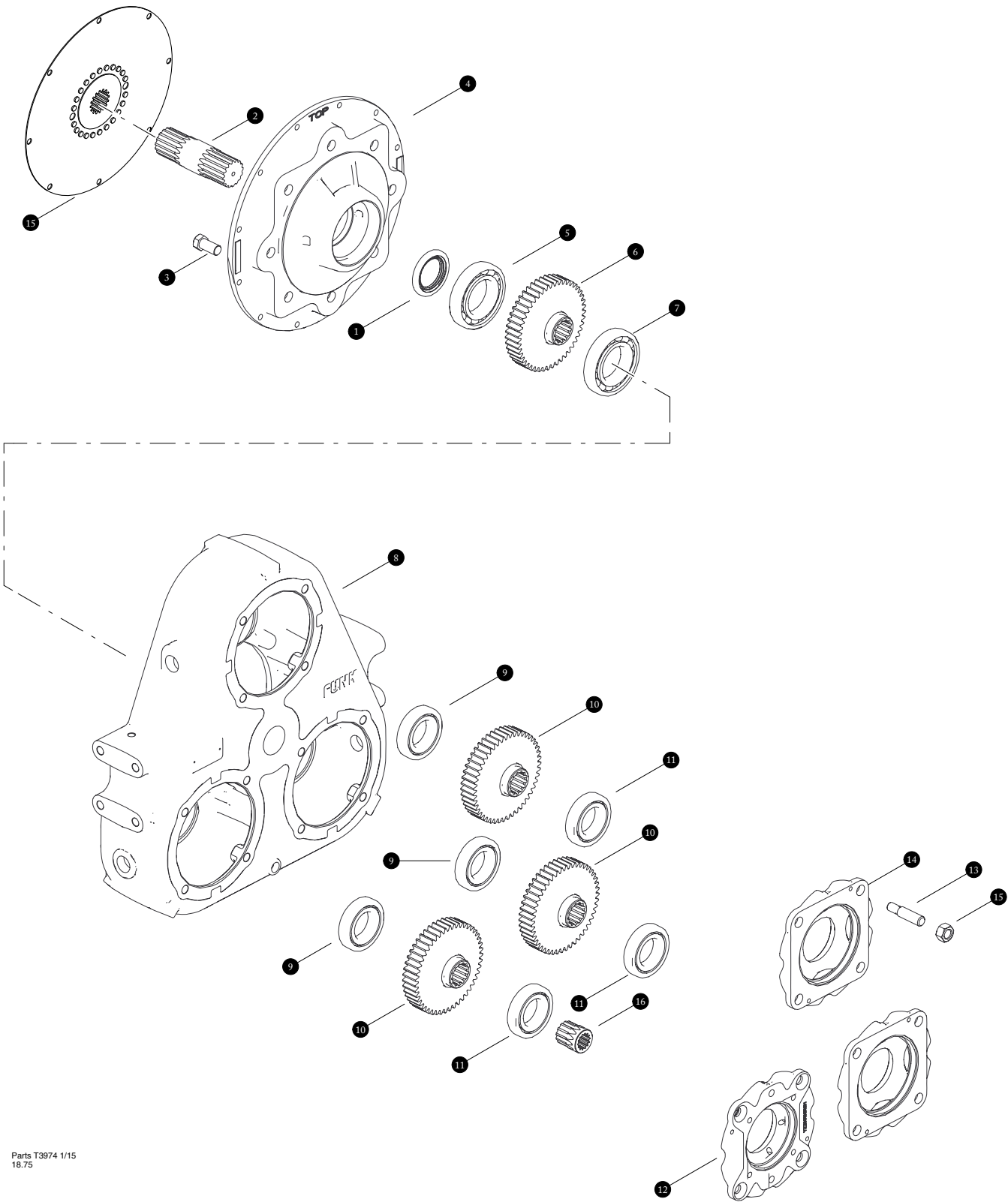
See referenced page for component or assembly breakdown.

Note #1:

Use Loctite 271 (*red*) during installation.

Note #2:

Use Loctite 272 (*blue*) during installation.



Parts T3974 1/15
18.75

PUMP DRIVE TRANSMISSION BREAKDOWN

(Cummins QSC8.3L Gear Box)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	55673-EE	1	☐	TRANSMISSION, TRIPLE PUMP DRIVE - C TRACK	
1	18027-EE	1		SEAL, shaft	
2	18388-EE	1		SHAFT, drive	
3	F1008024-EE	8		BOLT, flywheel cover (See Note #1 Below)	
4	4059411 -EE	1		COVER, engine adapter housing (See Note #2 Below)	
5	18891-EE	1		BEARING, input gear - front	
6	54401-EE	1		GEAR, 65 Teeth	
7	18892-EE	1		BEARING, input gear - rear	
8	YZ101822-EE	1		HOUSING,	
9	16892-EE	3		BEARING,	
10	51408-EE	3		GEAR,	
11	16892-EE	3		BEARING,	
12	54767-EE	2		ADAPTER, pump pad (SAE "C")(Used with track drive pumps)(See Note #2 Below)	
13	18293-EE	4		STUD, "D" Mount (See Note #1)	
14	18292-EE	1		ADAPTER, pump pad (SAE "D")(See Note #2 Below)	
15	10776-EE	4		NUT, hex - 3/4"	
16	16330-EE	1		ADAPTER, Sleeve 14 tooth "C"	

- ☐ Kit or Assembly - includes all items indented underneath.

Note #1:

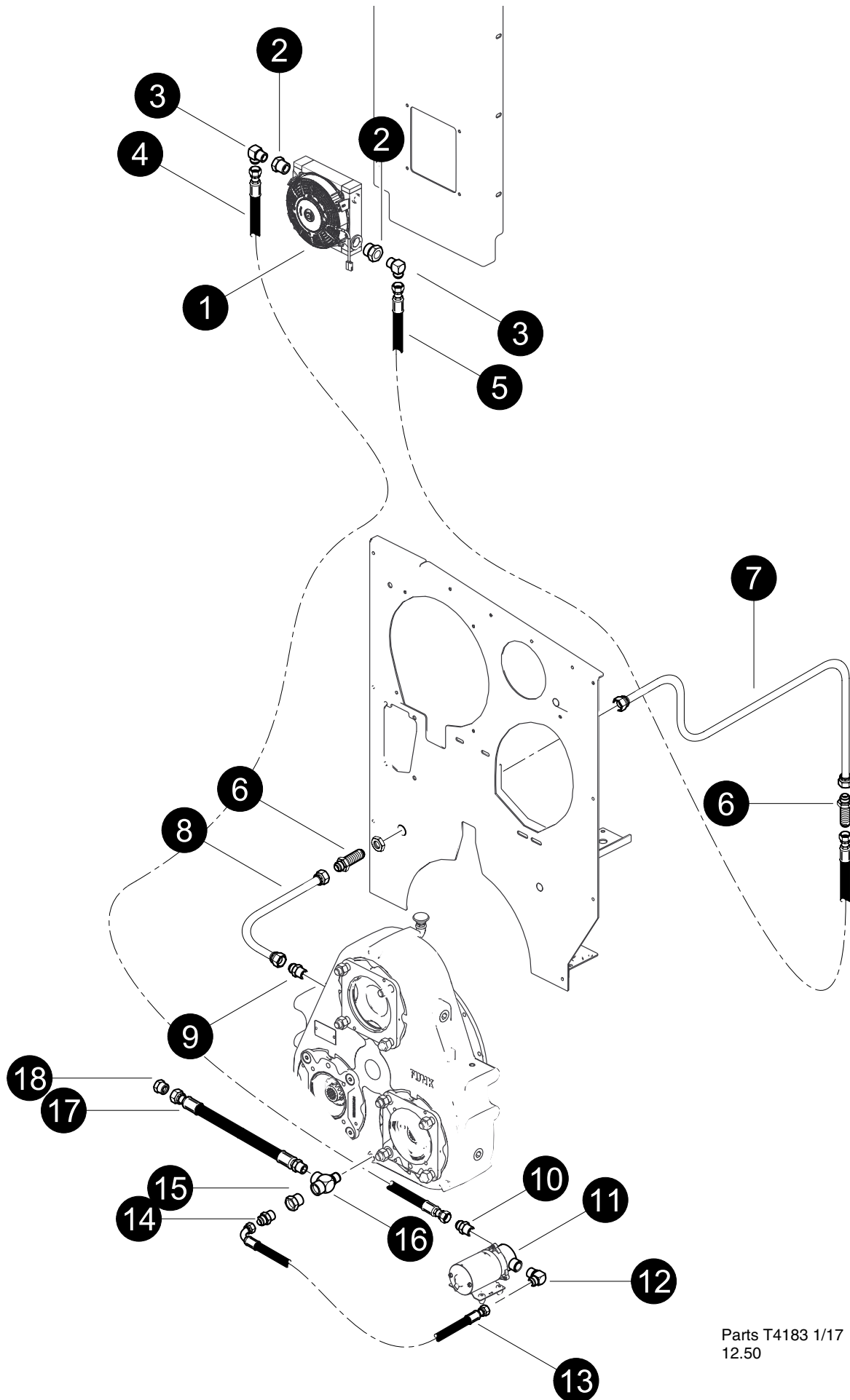
Use Loctite 272 (blue) during installation.

Note #2:

Use Silicone sealant during installation.

Note #3:

Use teflon sealant during installation.



Parts T4183 1/17
12.50

PUMP DRIVE TRANSMISSION COOLER CIRCUIT

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	55528-EE	1	COOLER, GEAR BOX - REMOTE (C SERIES)	
2	20067-EE	1	BUSHING, REDUCER - 6410-12-8	
3	53145-EE	1	FITTING, 6-8 C50X-S - JIC	
4	-UP	1	HOSE ASSEMBLY - 20-- 06 06JS 06JS	
5	-UP	1	HOSE ASSEMBLY - 20-- 06 06JS 06JS	
6	55374-EE	2	FITTING, BULKHEAD - 6 WTX-WLN-S	
7	48596-EE	1	TUBELINE	
8	48595-EE	1	TUBELINE	
9	55204-EE	1	FITTING, STRAIGHT - 6 FTX-S	
10	55204-EE	1	FITTING, STRAIGHT - 6 FTX-S	
11	57464-EE	1	PUMP, GEAR BOX COOLER - TL765	
12	16882-EE	1	ELBOW, 90 - 849-FSO-6X6	
13	-EE	1	HOSE ASSEMBLY - 2020 06 06JS 06O9	
14	51878-EE	1	CONNECTOR, STR - MALE PIPE (6-6 FL0-S)	
15	15630-EE	1	BUSHING, REDUCER - 5406-8-6	
16	53074-EE	1	TEE (1/2" MNPT BRANCH)	
17	-EE	1	HOSE ASSEMBLY - 2040-08-08PS-08OS	
18	16032-EE	1	PLUG - FF9767-08S	

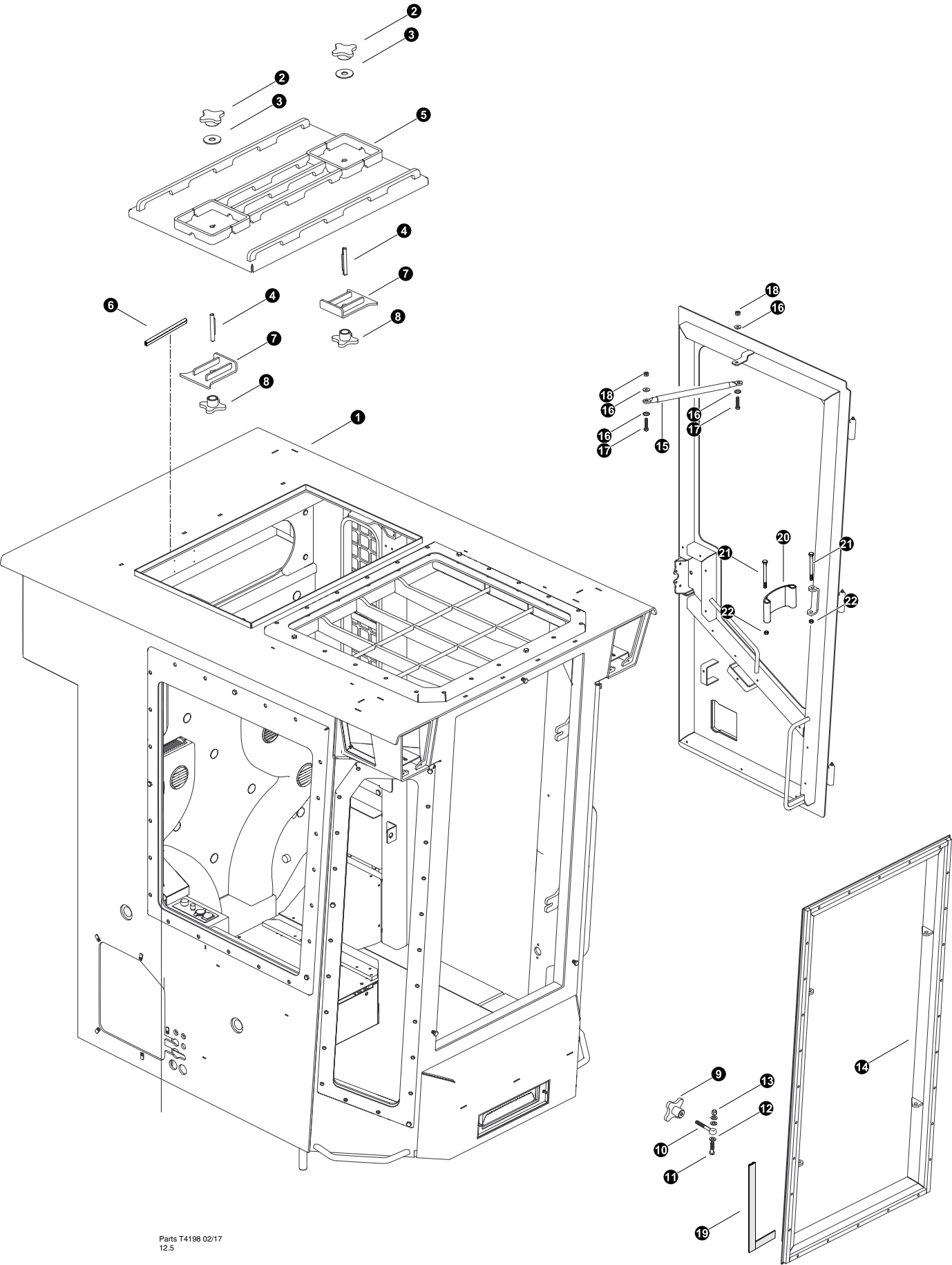
☐ Kit or Assembly - includes all items indented underneath.

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OC-1

Operator's Cab - Cab Weldment and Installation



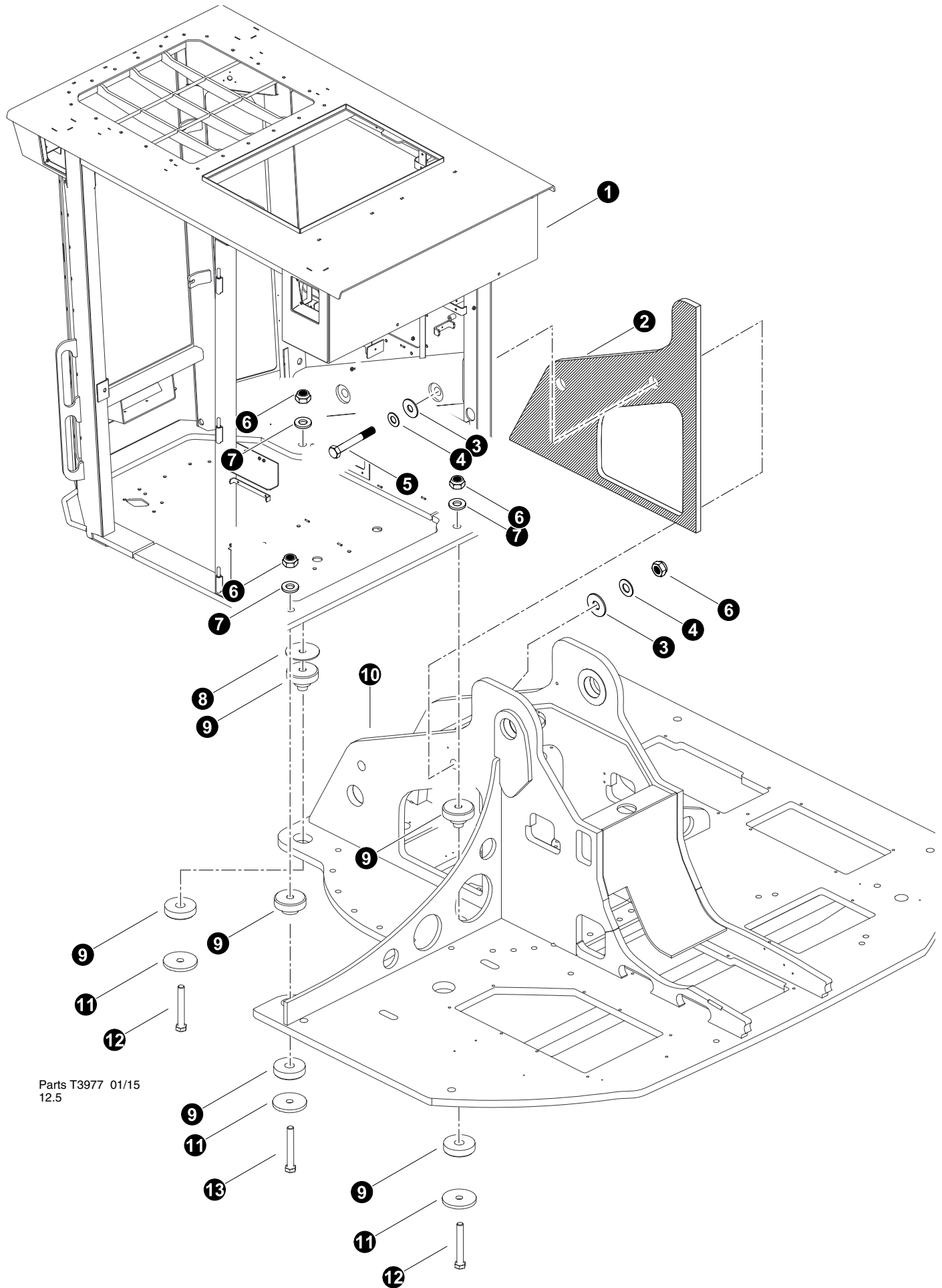
Parts T4198 02/17
12.5

CAB WELDMENT ASSEMBLY

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	55128-OC	1	☐	WELDMENT, CAB - TIER 4F (C-SERIES LH)	
2	52060-OC	2		KNOB, STAR - EMERGENCY ESCAPE	
3	63246-OC	2		SEAL, EMERGENCY ESCAPE	
4	G2319-OC	2		STUD, 2-WAY - .5" X 3.5"	
5	1047750-OC	1		HATCH, ESCAPE - ROOF	
6	06212-OC	10 ft	✂	WEATHERSTRIPPING	
7	1047752-OC	2		BRACKET, EMERGENCY ESCAPE	
8	06214-00-OC	2		KNOB, STAR - EMERGENCY ESCAPE INSIDE ROOF	
9	13293-00-OC	4		KNOB, STAR - EMERGENCY ESCAPE INSIDE FRONT	
10	63388-OC	4		SWING BOLT	
11	20084-OC	4		BOLT - .375" X 1.75"	
12	15528-OC	12		WASHER, SAE FLAT - .375"	
13	10813-OC	4		NUT, LOCK - .375"	
14	1049497-OC	1		WELDMENT, KICKOUT WINDOW	
15	55121-OC	1		SHOCK, GAS - CAB DOOR (CURRENT)	
16	1012571-OC	4		WASHER, Door Shock	
17	18016-OC	2		BOLT, Door Shock	
18	63216-OC	2		NUT, Door Shock	
19	18126-OC	10 ft	✂	WEATHERSTRIPPING - DOUBLE	
20	51981-OC			STRAP, DOOR STOP	
21	-OC	1		BOLT,	
22	-OC	1		NUT,	

☐ Kit or Assembly - includes all items indented underneath.

✂ Bulk material - order length required in feet or meters.



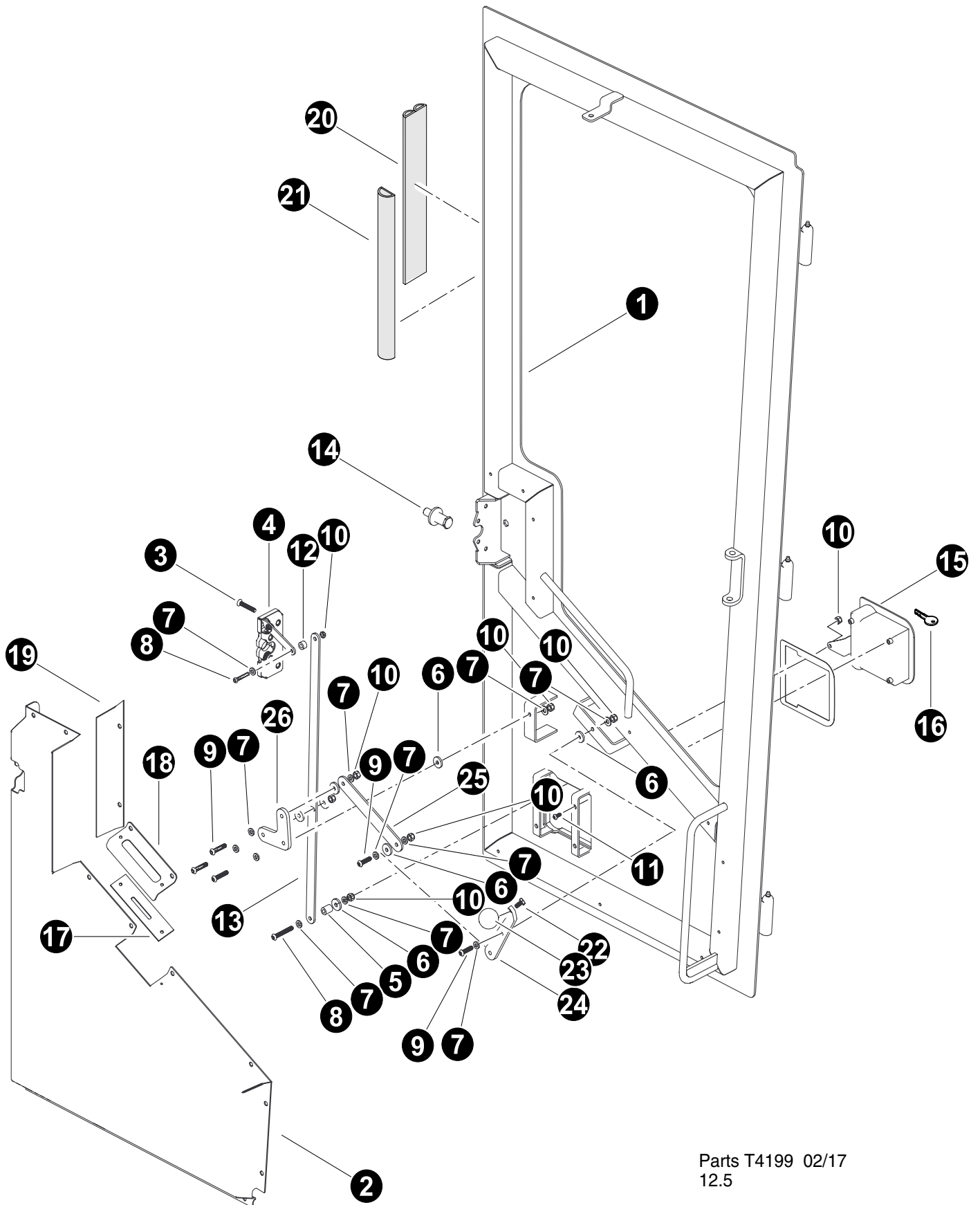
CAB INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		CAB WELDMENT	OC-1
2	46651-OC	1		INSULATION, CAB TO BOOM	
3	17065-OC	4		WASHER, rubber	
4	51320-OC	4		WASHER, SAE FLAT - 1.125"	
5	53856-OC	2		BOLT - 1.125-12 X 7.5" (FINE THREAD)	
6	53857-OC	2		NUT, LOCK - 1.125" (FINE THREAD)	
7	15579-OC	3		WASHER, SAE FLAT - 1"	
8	50061-OC	2		WASHER, cab mount isolator	
9	18141-OC	2		ISOLATOR, CAB MOUNTING	
10	REF.	1		UPPER TURNTABLE ASSEMBLY	UP-1
11	19369-OC	3		WASHER, cab mount isolator - (.5 thick)	
12	23387-OC	2		BOLT - 1" X 6.5" (see note 1 below)	
13	50263-OC	1		BOLT, 1" x 5.5" (see note 1 below)	
14	18253-OC	3		NUT, LOCK - 1"	

 See referenced page for component or assembly breakdown.

Note 1

Use loctite 271 (red) on treads during installation.



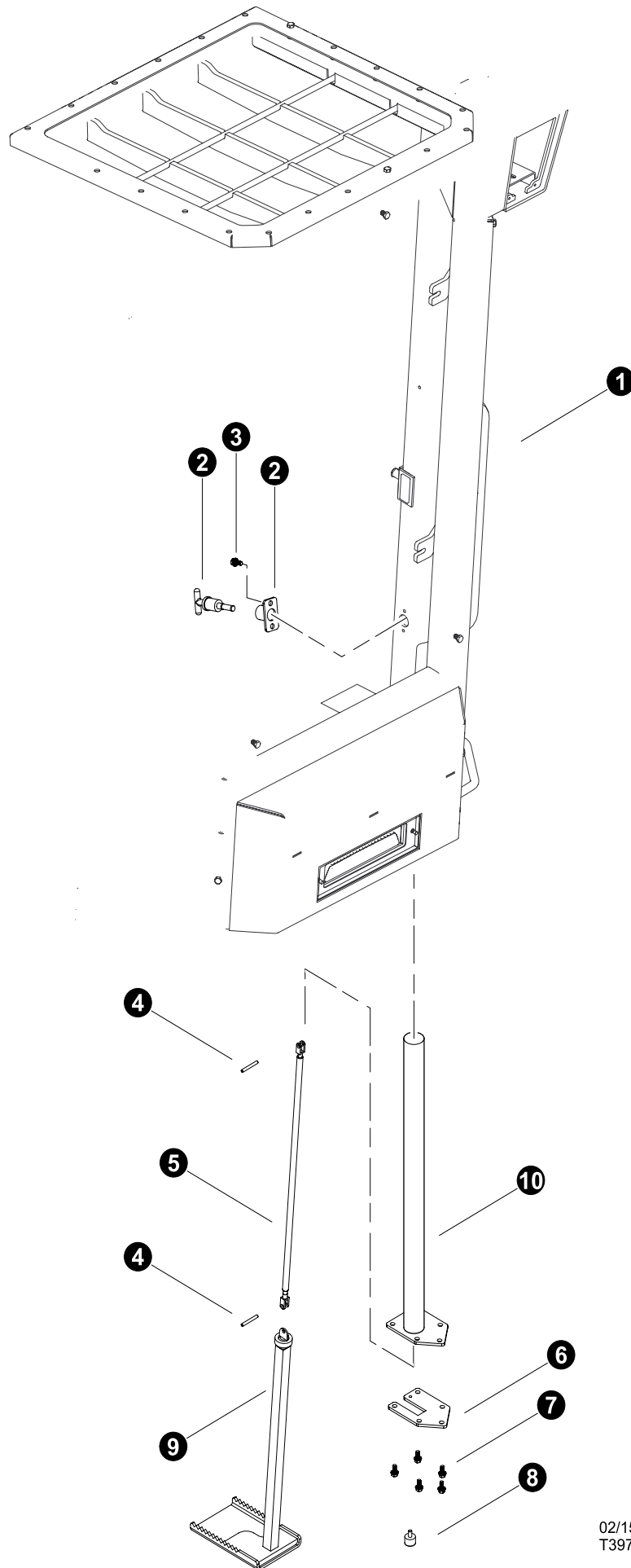
Parts T4199 02/17
12.5

DOOR ASSEMBLY AND LATCH INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	47063-OC	1	DOOR, CAB (hinges shipped loose)	
2	47462-OC	1	COVER, DOOR	
3	52068-OC	4	BOLT, COUNTERSUNK (63227)	
4	55118-OC	1	LATCH, DOOR	
5	47072-OC	1	SPACER, DOOR LATCH	
6	63220-OC	1	WASHER - Large	
7	63099-OC	1	WASHER - Small	
8	1045876-OC	2	BOLT	
9	91306A383-OC	5	BOLT	
10	35004-OC	3	NUT	
11	24999-OC	4	BOLT	
12	1050409-OC	1	SPACER	
13	47455-OC	1	BRACKET	
14	1050263-OC	1	PIN, LATCH	
15	55659-OC	1	HANDLE, DOOR - OUTSIDE	
16	54855-OC	1	KEY, DOOR - CURRENT CAB CH751	
17	47465-OC	8	Rubber Dust Seal	
18	47464-OC	1	COVER, inside door handle	
19	47463-OC	1	COVER, inside door	
20	18126-OC	AR	 WEATHERSTRIP, door	
21	54050-OC	AR	 WEATHERSTRIPPING, RUBBER-REAR DOOR SEAL	
22	45040-OC	1	Bolt	
23	18087-OC	1	KNOB	
24	1047746-OC	1	HANDLE	
25	47457-OC	1	BRACKET	

 Kit or Assembly - includes all items indented underneath.

 Bulk material - order length required in feet or meters.



02/15
T3979

DOOR STEP INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	OPERATOR'S CAB	OC-1
2	54117-OC	1	Bracket, Latch (06490-00)	
3	-OC	2	BOLT, Serated 3/8" X 3/4" (18003)	
-	46530-OC	1	☐ ASSEMBLY, CAB STEP	
4	52781-OC	1	PIN, ROLL - CAB STEP (63187)	
5	54141-OC	1	SHOCK,	
6	54116-OC	1	PLATE, Step Retainer (06496-00)	
7	-OC	3	BOLT, Serated 3/8" X 3/4" (18003)	
8	52780-OC	1	BUMPER, Rubber Stop - Cab Step (63185)	
9	52778-OC	1	WELDMENT, Cab Step (06482-00)	
10	46519-OC	1	FRAME, slide tube	

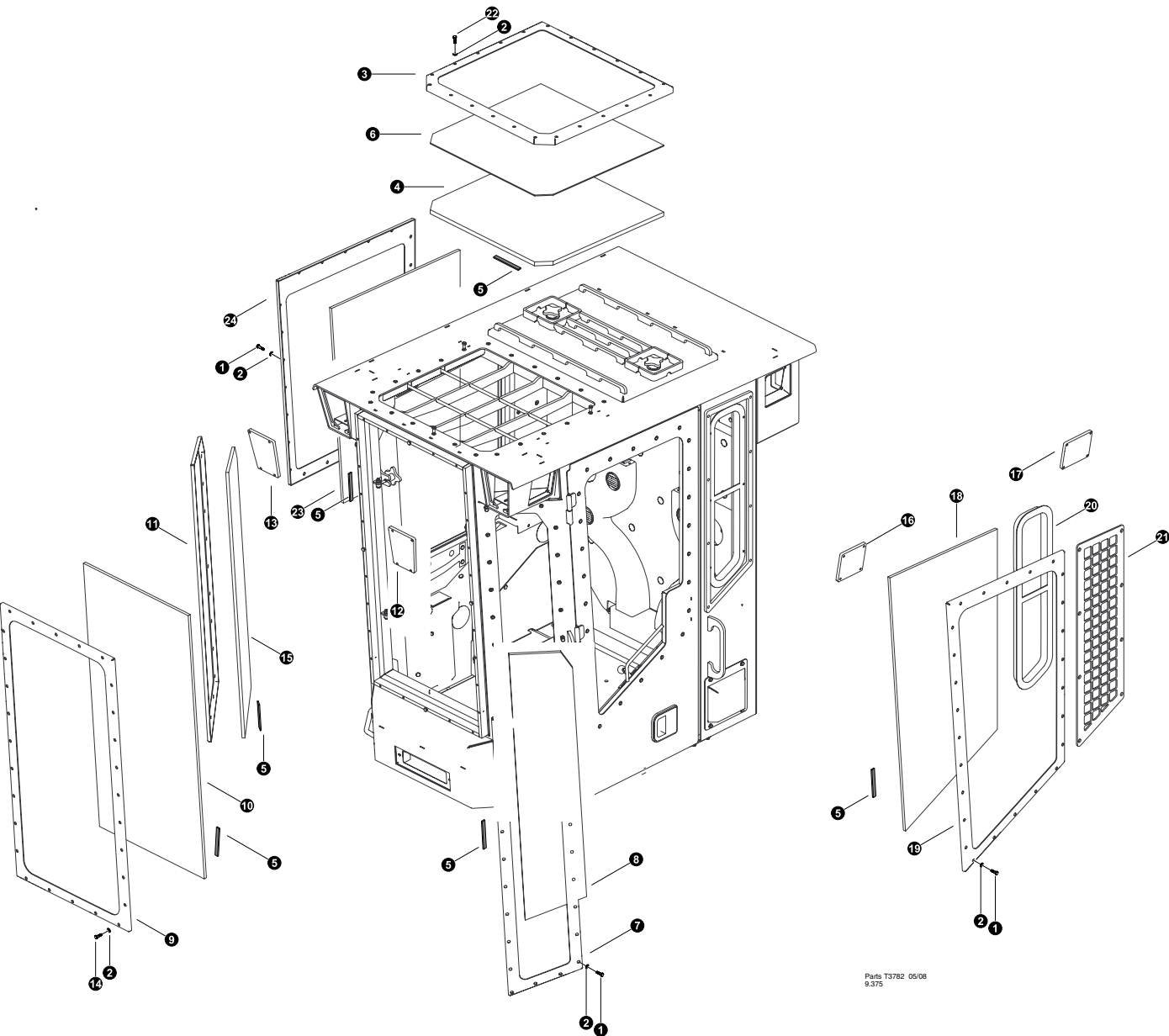
- ☐ Kit or Assembly - includes all items indented underneath.
-  Bulk material - order length required in feet or meters.

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Section OC-2

Operator's Cab - Window Installation



Parts T3782 05/08
9.375

WINDOW INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	10731-OC	22		BOLT - .375" X 1.5"	
2	15528-OC	154		WASHER, SAE FLAT - .375"	
3	13244-00-OC	1		FRAME, TOP WINDOW	
4	53810-OC	1		LEXAN, SKYLITE - FLAT TOP (.75")	
5	18126-OC	AR	✂	WEATHERSTRIPPING, WINDOW	
6	53811-OC	1		LEXAN, SKYLITE - SCRATCH GD	
7	1047748-OC	1		FRAME, LH ANGLED WINDOW	
8	53814-OC	1		LEXAN, LH AND RH FRONT WINDOW .5" thick	
8a	53814-1.25"	1		LEXAN, LH AND RH FRONT WINDOW 1.25" Thick	
9	54634-OC	1		FRAME, FRONT WINDOW - Standard (1/2")	
9	54631-OC	1		FRAME, FRONT WINDOW - 1.25" (Optional)	
10	54632-OC	1		LEXON, FRONT WINDOW - Standard (1/2")	
10	54633-OC	1		LEXON, FRONT WINDOW - 1.25" (Optional)	
11	1047747-OC	1		FRAME, FRONT R.H. SIDE WINDOW	
12	54638-OC	1		LEXAN, TOP/FRONT CAB LIGHT	
13	54638-OC	1		LEXAN, TOP/FRONT CAB LIGHT	
14	15542-OC	30		BOLT - .375" X .75" (standard front window)	
14	20084-OC	30		BOLT - .375" X 1.75" (1.25" front window)	
15	53814-OC	1		LEXAN, LH AND RH FRONT WINDOW .5" thick	
15a	53814-1.25"	1		LEXAN, LH AND RH FRONT WINDOW 1.25" Thick	
16	54637-OC	2		LEXON, CAB SIDE FRONT LIGHT GUARD	
17	57304-OC	1		LEXON, CAB SIDE REAR LIGHT GUARD - C	
18	54636-OC	1		LEXAN, DOOR WINDOW - .5"	
18a	54636-.75"-OC	1		LEXAN, DOOR WINDOW -.75"	
19	1047495-OC	1		FRAME, DOOR WINDOW	
20	55326-OC	1		WINDOW, SLIDING OPERA C SERIES	
21	1051490-OC	1		GUARD, OPERA Sliding Window	
22	15529-OC	22		BOLT - .375" X 2"	
23	55679-OC	1		LEXAN, Right Side Window (BOOM SIDE)	
24	1047483-OC	1		FRAME, Right Side Window (BOOM SIDE)	
25	47198-OC	1		LEXAN, Front Cab Light Lower	



See referenced page for component or assembly breakdown.



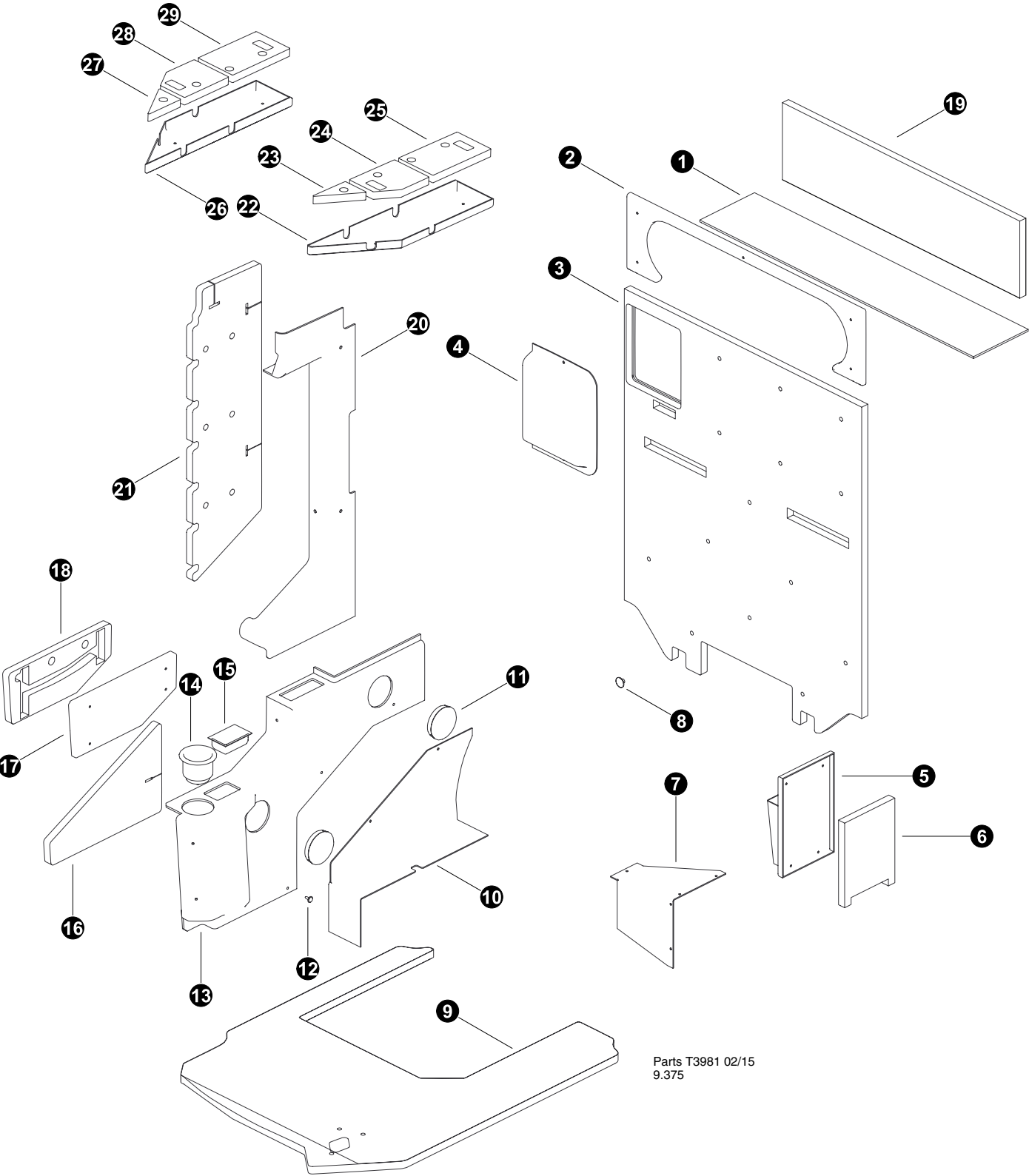
Bulk material - order length required in feet or meters.

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Section OC-3

Operator's Cab - Interior Components

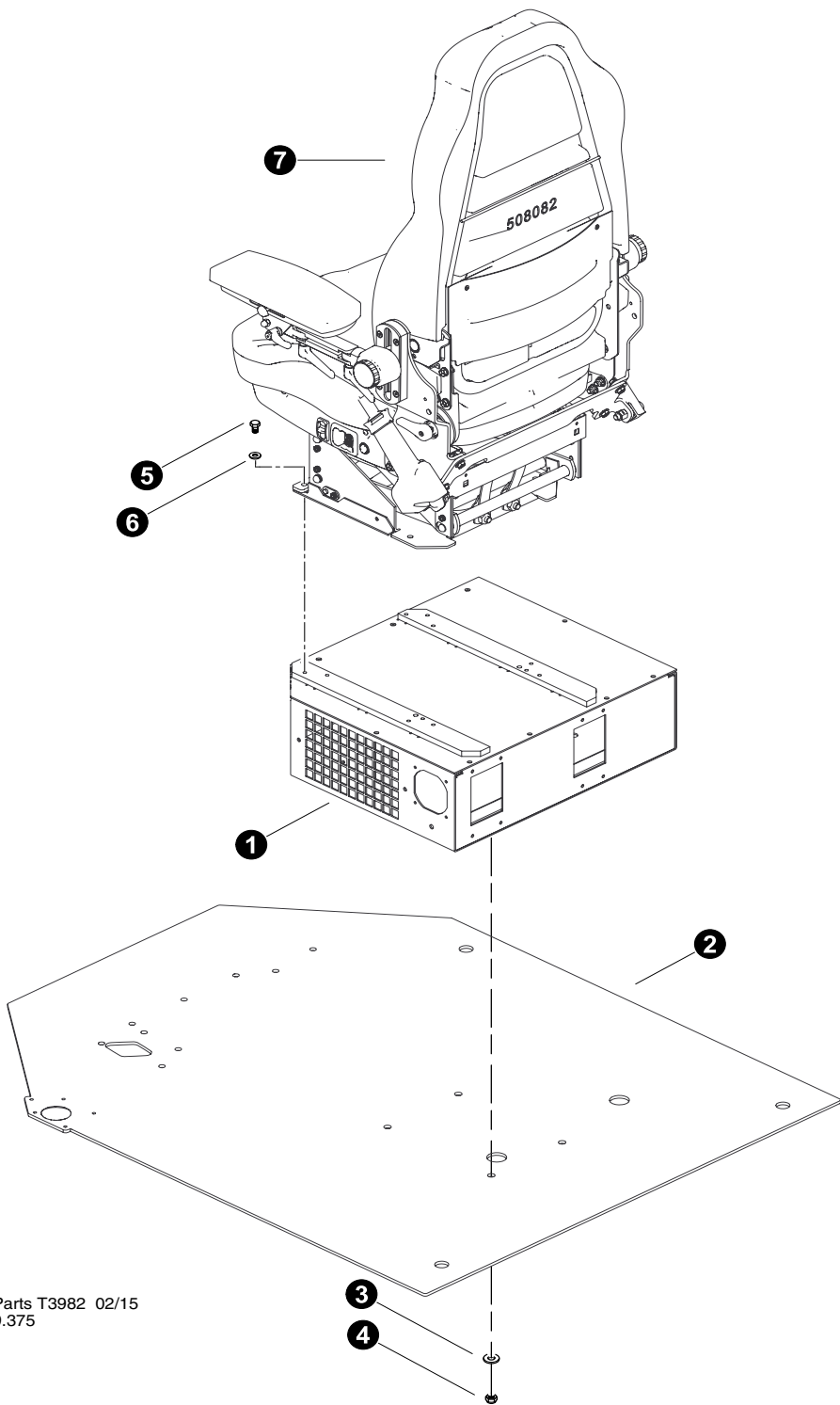


Parts T3981 02/15
9.375

INTERIOR TRIM & FLOORMAT

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	-OC	1	☐	KIT, CAB INSULATION - C SERIES	
1	47147-OC	1		MAT, RUBBER - C-CAB STORAGE TRAY	
2	1048234-OC	1		TRIM, PANEL - Storage Box	
3	1048260-OC	1		FOAM, Insulation - REAR CAB	
4	1048246-OC	1		TRIM, PANEL - Fuse Cover	
5	1048241-OC	1		TRIM, PANEL - Manual Holder	
6	1051806-OC	1		FOAM, Insulation	
7	1048242-OC	1		COVER, Plastic Cab Vent	
8	252-0033-OC	15		Retainer, Plastic Push Large	
9	55253-OC	1		FLOORMAT, WHEEL MACHINE "C" REVERSE CAB	
10	1048268-OC	1		COVER, Plastic AC-Heater	
11	67083-OC	2		COVER, Plastic Cab Mounts	
12	67093-OC	30		Retainer, Plastic Push	
13	1048264-OC	1		TRIM, PANEL - Lower Dash	
14	54997-OC	1		HOLDER, CUP - 735/830-C	
15	1048266-OC	1		FOAM, Insulation	
16	1048676-OC	1		FOAM, Insulation	
17	1048267-OC	1		TRIM, PANEL - Right Window	
18	1048675-OC	1		FOAM, Insulation	
19	1049015-OC	1		FOAM, Insulation	
20	1048884-OC	1		TRIM, PANEL - Right Window Rear	
21	1048674-OC	1		FOAM, Insulation	
22	1048239-OC	1		TRIM, PANEL - Top Left	
23	1048683-OC	1		FOAM, Insulation	
24	1048681-OC	1		FOAM, Insulation	
25	1048680-OC	1		FOAM, Insulation	
26	1048240-OC	1		TRIM, PANEL - Top Right	
27	1048679-OC	1		FOAM, Insulation	
28	1048678-OC	1		FOAM, Insulation	
29	1048677-OC	1		FOAM, Insulation	

☐ Assembly or Kit - includes all items indented underneath.



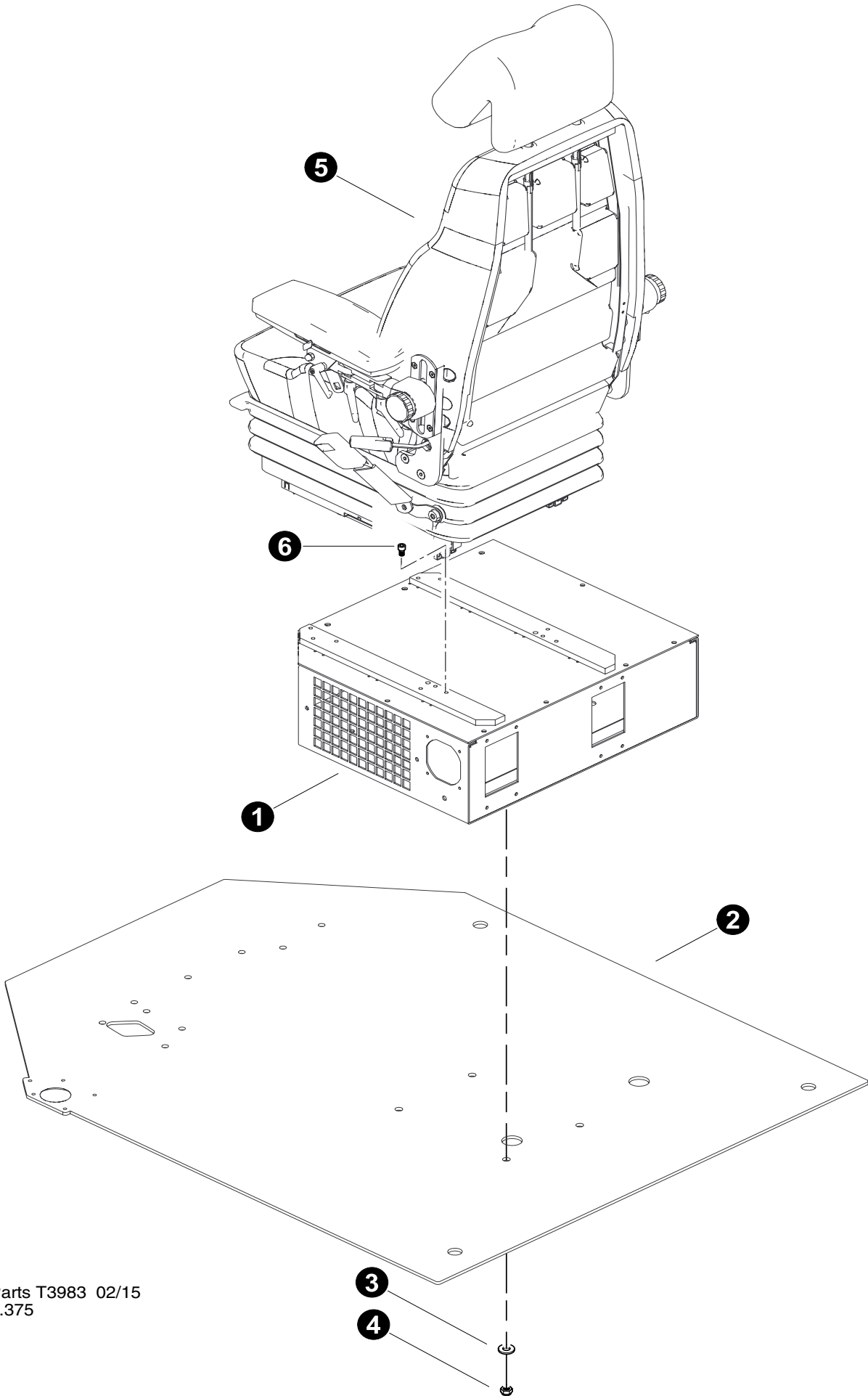
Parts T3982 02/15
9.375

OPERATOR'S SEAT INSTALLATION**(Seats Inc seat mounting)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		AC / HEATER UNIT ASSEMBLY	OC-4
2	REF.	1		Operators Cab	OC-1
3	22666-OC	4		WASHER, SAE FLAT - .5" (EXTRA THICK)	
4	10815-OC	4		NUT, LOCK - .5"	
5	15605-OC	4		BOLT - .3125" X .75"	
6	15559-OC	4		WASHER, SAE FLAT - .3125"	
7	REF.	1		OPERATOR'S SEAT.....	OC-1



See referenced page for component or assembly breakdown.



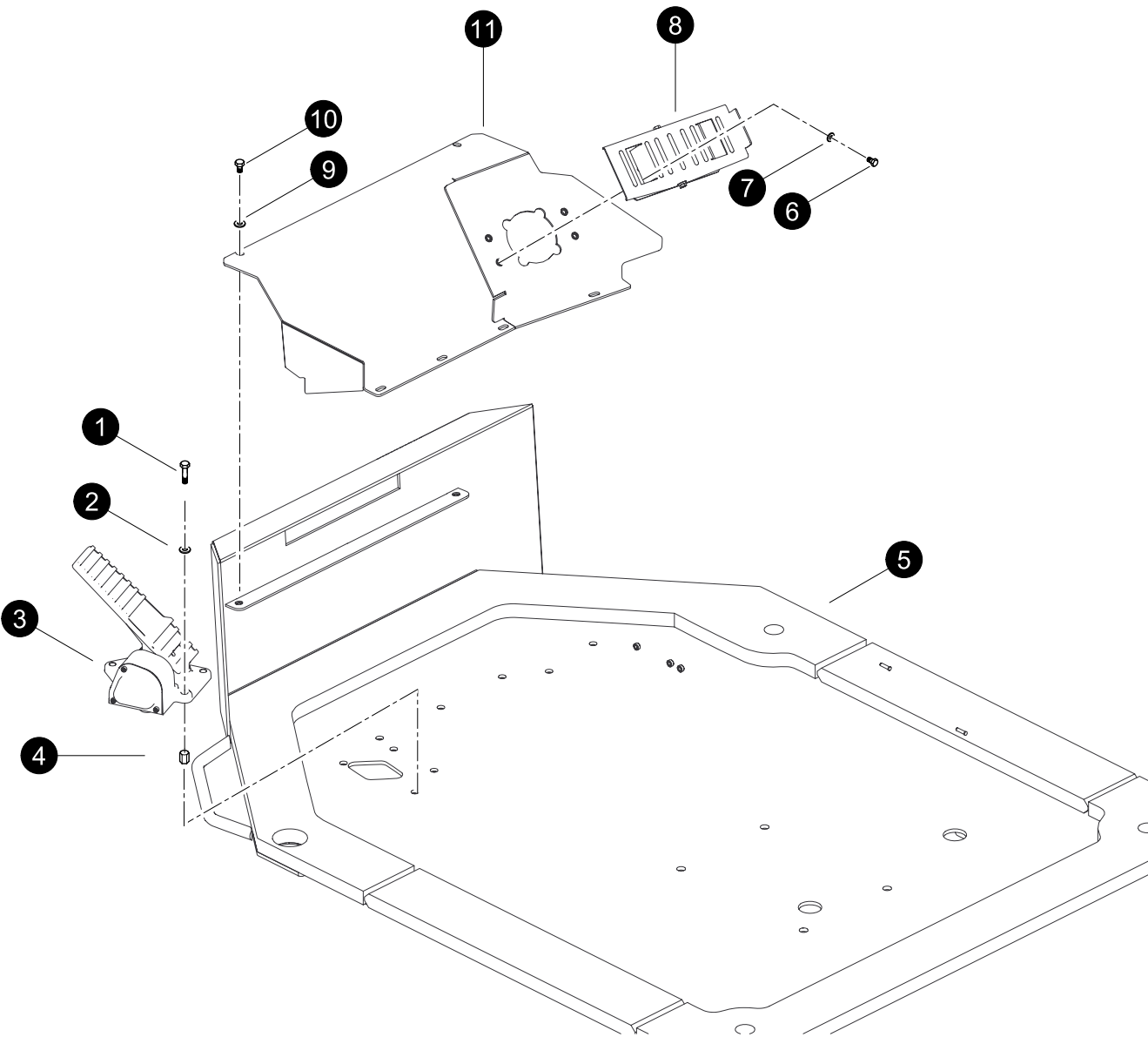
Parts T3983 02/15
9.375

OPERATOR'S SEAT INSTALLATION (KAB seat mounting)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		AC / HEATER UNIT ASSEMBLY	OC-4
2	REF.	1		Operators Cab	OC-1
3	22666-OC	4		WASHER, SAE FLAT - .5" (EXTRA THICK)	
4	10815-OC	4		NUT, LOCK - .5"	
5	53906-OC	4		BOLT, ALLEN HEAD - .3125" X .5"	
6	REF.	1		OPERATOR'S SEAT.....	OC-1



See referenced page for component or assembly breakdown.



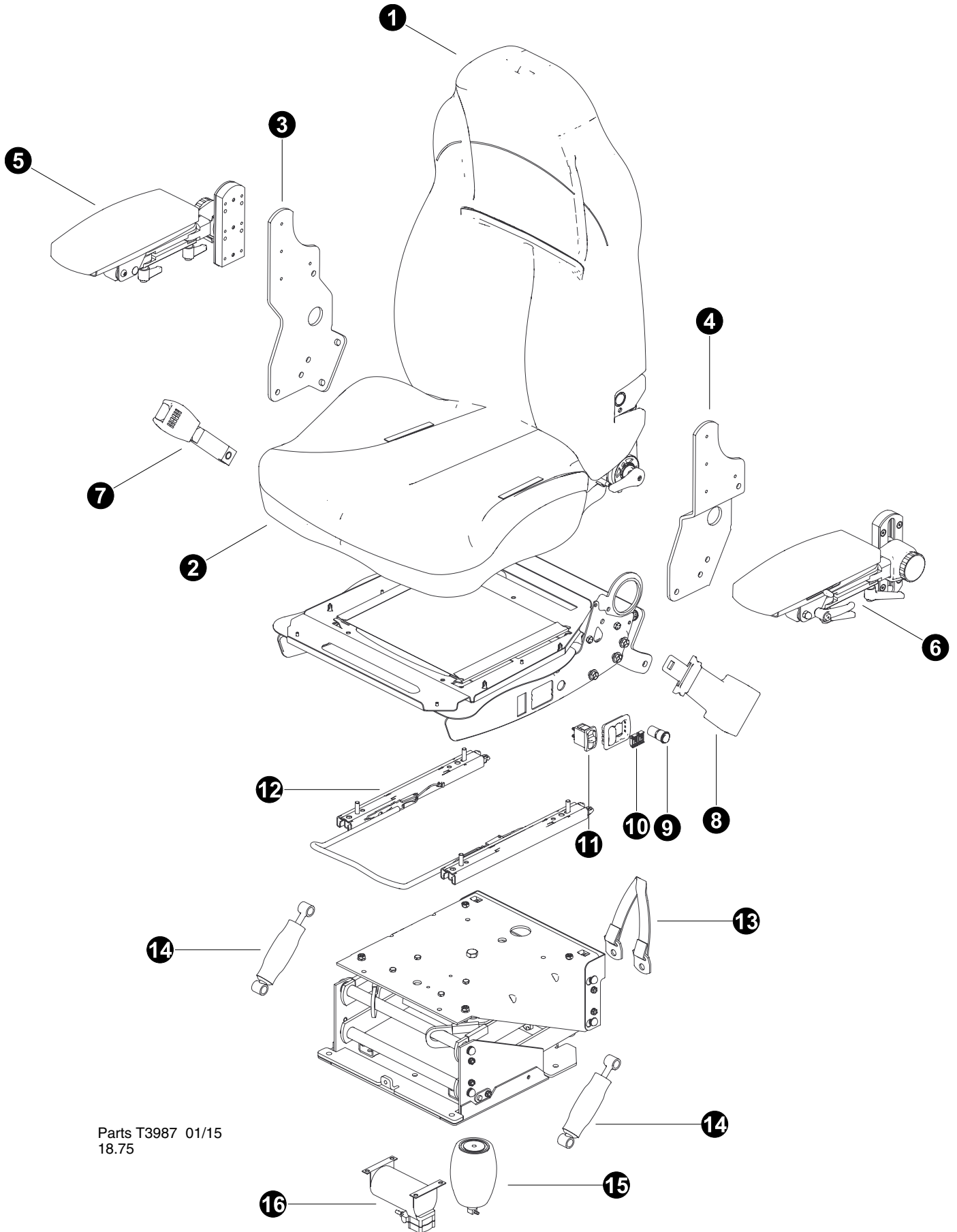
Parts T4106 01/2016
12.5

FOOT PEDALS INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	10823-OC	3		BOLT - .3125" X 2"	
2	15559-OC	3		WASHER, SAE FLAT - .3125"	
3	REF.	1		TRAVEL BRAKE FOOT PEDAL	ES
4	16018-OC	3		BUSHING, REDUCER - 6405-6-4	
5	REF.	1		OPERATOR'S CAB	OC-1
6	15605-OC	7		BOLT - .3125" X .75"	
7	15559-OC	7		WASHER, SAE FLAT - .3125"	
8	REF.	1		WHEEL DRIVE FOOT CONTROL	ES
9	15559-OC	4		WASHER, SAE FLAT - .3125"	
10	15589-OC	4		BOLT - .3125" X 1"	
11	53277-OC	1		BRACKET, FOOT PEDAL - OTTO PEDAL	



See referenced page for component or assembly breakdown.



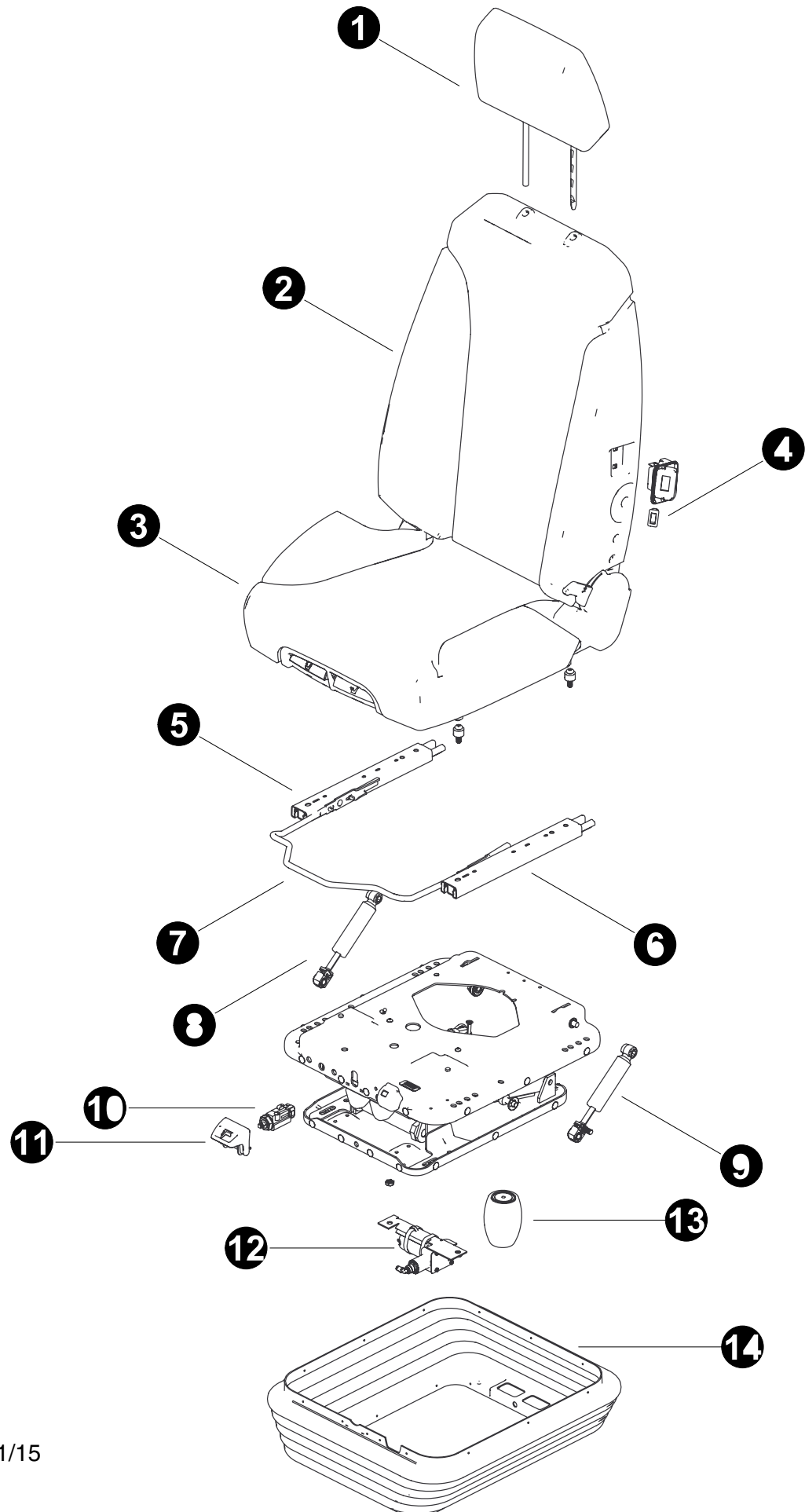
Parts T3987 01/15
18.75

OPERATOR'S SEAT BREAKDOWN (Seats Inc - Standard)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	54071-OC	1	☐	SEAT ASSEMBLY, SEATS INC. Heat / Air Ride	
1	508082-03	1		SEAT BACK CUSION	
2	508081-00	1		SEAT BOTTOM CUSION	
3	s7125_12-02	1		BRACKET, RIGHT ARMREST MOUNT	
4	s7125_11-02	1		BRACKET, LEFT ARMREST MOUNT	
5	REF.	2	☐	ARMREST ASSEMBLY.	OC-3
6	REF.	2	☐	ARMREST ASSEMBLY.	OC-3
7	741057	1	☐	SEAT BELT Buckle	
8	-	1		SEAT BELT Retractor	
9	708989	1		SWITCH, Heat Control	
10	-OC	1		SWITCH, LUMBAR	
11	708884-01	1		SWITCH, AIR RIDE	
12	782060	1		SLIDES	
13	53948-OC	1		TETHERS	
14	708055	1		SHOCK	
15	708015	1		AIR BAG	
16	708407-03	1		COMPRESSOR PUMP	

☐ Assembly or Kit - includes all items indented underneath.

☐ See referenced page for component or assembly breakdown.



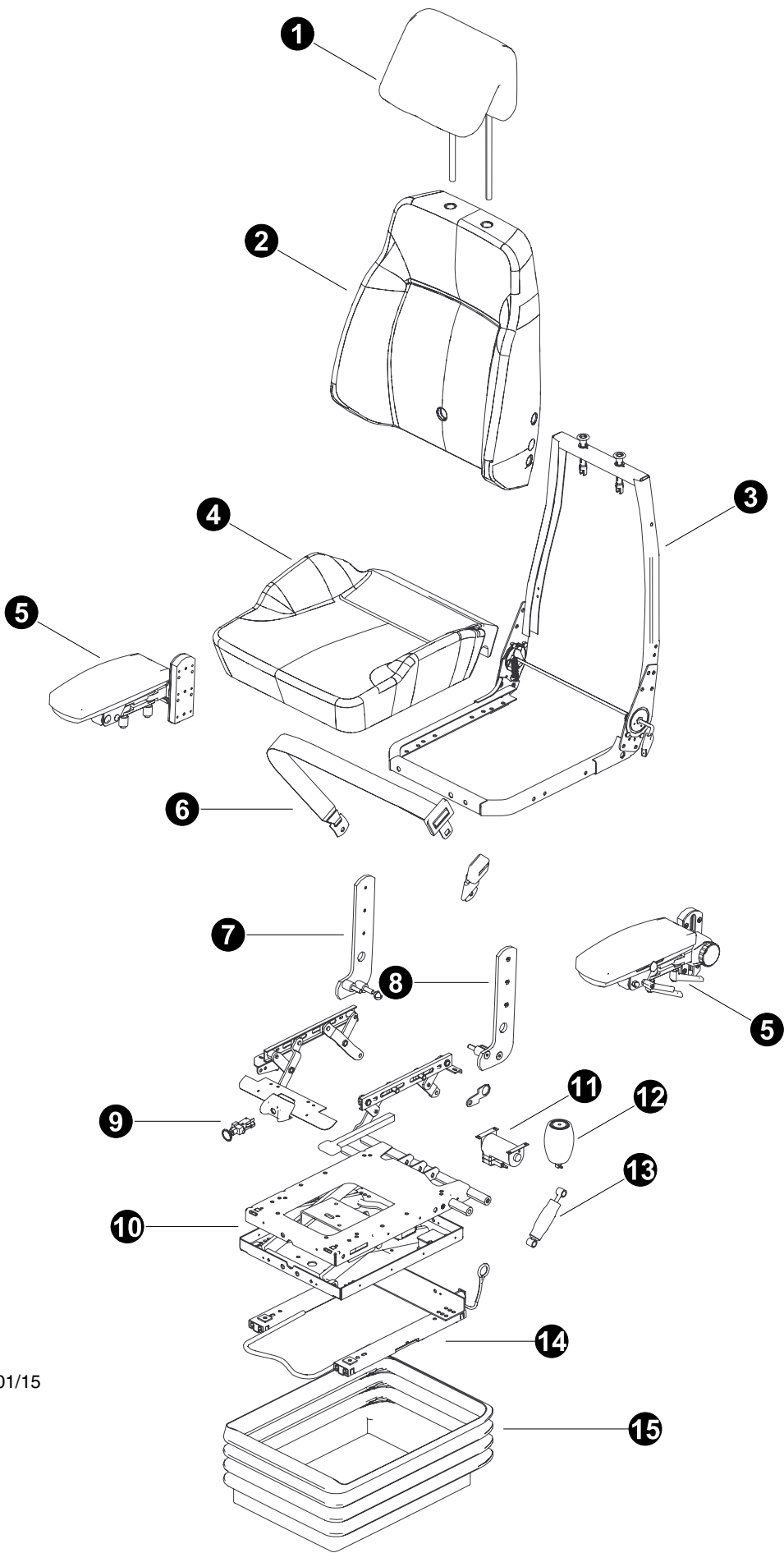
Parts T3993 01/15
18.75

OPERATOR'S SEAT BREAKDOWN (KAB - Standard)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	55439-OC	1	SEAT ASSEMBLY, KAB W/ HEAT NO - COOL AIR	
1	199109	1	Head rest	
2	202519	1	Seat Back	
3	236309-01	1	Seat Bottom	
4	168659	1	Heater Switch	
5	167345-02	1	Right Slide Rail	
6	167346-02	1	Left Slide Rail	
7	236122_A	1	Slide Handle	
8	175854	1	Shock	
9	175854	1	Shock	
10	184900	1	Valve, Air Ride	
11	201835	1	Handle, Air Ride	
12	203363	1	Pump, Air Ride	
13	172254-15	1	Bag, Air Ride	
14	193150-01	1	Cover, Bottom Seat	

 Assembly or Kit - includes all items indented underneath.

 See referenced page for component or assembly breakdown.



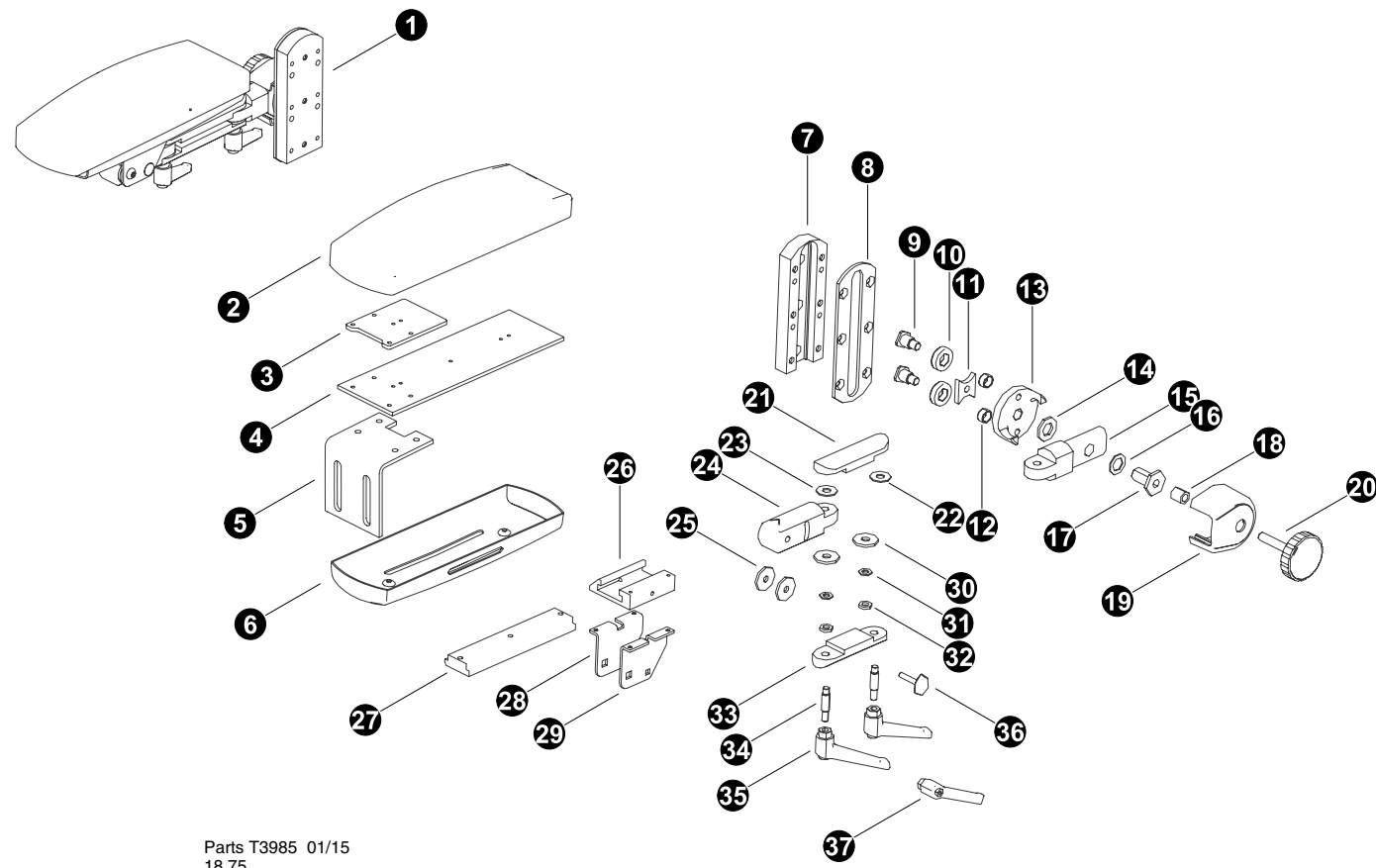
Parts T3986 01/15
18.75

OPERATOR'S SEAT BREAKDOWN (KAB - Optional Upgrade)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	53692-OC	1	☐	SEAT ASSEMBLY (KAB) Air Ride/Heater and Head Rest	
1	42030201-1-OC	1		HEADREST	
2	153086-OC	1		Cushion, Back	
3	-OC	1		UPPER ASSEMBLY	
4	153085-OC	1		Cushion, Bottom	
5	REF.	2	📖	ARMREST ASSEMBLY.....	OC-3
6	K41172-OC	1		SEAT BELT	
7	991286-OC	1		BRACKET, Arm Rest	
8	991285-OC	1		BRACKET, Arm Rest	
9	179664-OC	1		SWITCH, Air Ride	
10	185597_ASM	1		AIR RIDE MOUNT	
11	65080810-OC	1		AIR COMPRESSOR	
12	-OC	1		AIR BAG	
13	-OC	1		SHOCK	
14	152781-OC	2		SLIDES	
15	500SUSP-OC	1		COVER, Air Ride	

☐ Assembly or Kit - includes all items indented underneath.

📖 See referenced page for component or assembly breakdown.



Parts T3985 01/15
18.75

OPERATOR'S CONTROL ARM BREAKDOWN

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	55661-OC	1	☐	ARM REST, SITTAB ARMFLEX - RH	
-	55660-OC	1	☐	ARM REST, SITTAB ARMFLEX - LH	
2	X2_00D6_X0	1		PAD	
3	X2_00E5_X0	1		COVER	
4	980189_6	1		PLATE	
5	980189_4	1		PLATE	
6	46845-OC	1		BRACKET, JOYSTICK POD MOUNT - KAB	
7	995092	1		MOUNT	
8	995091	1		COVER	
9	995088	1		RETAINER	
10	950256	1		ROLLER	
11	950141	1		STOP	
12	950258	1		BUSHING	
13	995089	1		STOP - RIGHT SIDE	
13	995090	1		STOP - LEFT SIDE	
14	Plast17x30x3	1		WASHER	
15	Led1	1		MOUNT	
16	Plast17x26x1,4	1		WASHER	
17	993206	1		RETAINER	
18	993221	1		NUT	
19	950151	1		COVER	
20	Pinnbult M10x75	1		ADJUSTER BOLT	
21	Led80_vre	1		MOUNT	
22	991054	1		WASHER	
23	991054	1		WASHER	
24	Led3	1		ARM	
25	993126-2	1		WASHER	
26	950125	1		MOUNT	
27	997507	1		SLIDE	
28	995085	1		BRACKET	
29	995086	1		BRACKET	
30	993126-1	1		WASHER	
31	993133	1		NUT	
32	980341	1		NUT	
33	Led80undre	1		MOUNT	
34	-	4		PinPassbult10xM8x38	
35	991114	1		HANDLE	
36	991013	1		ADJUSTER	
37	980187	1		HANDLE	

 Assembly or Kit - includes all items indented underneath.

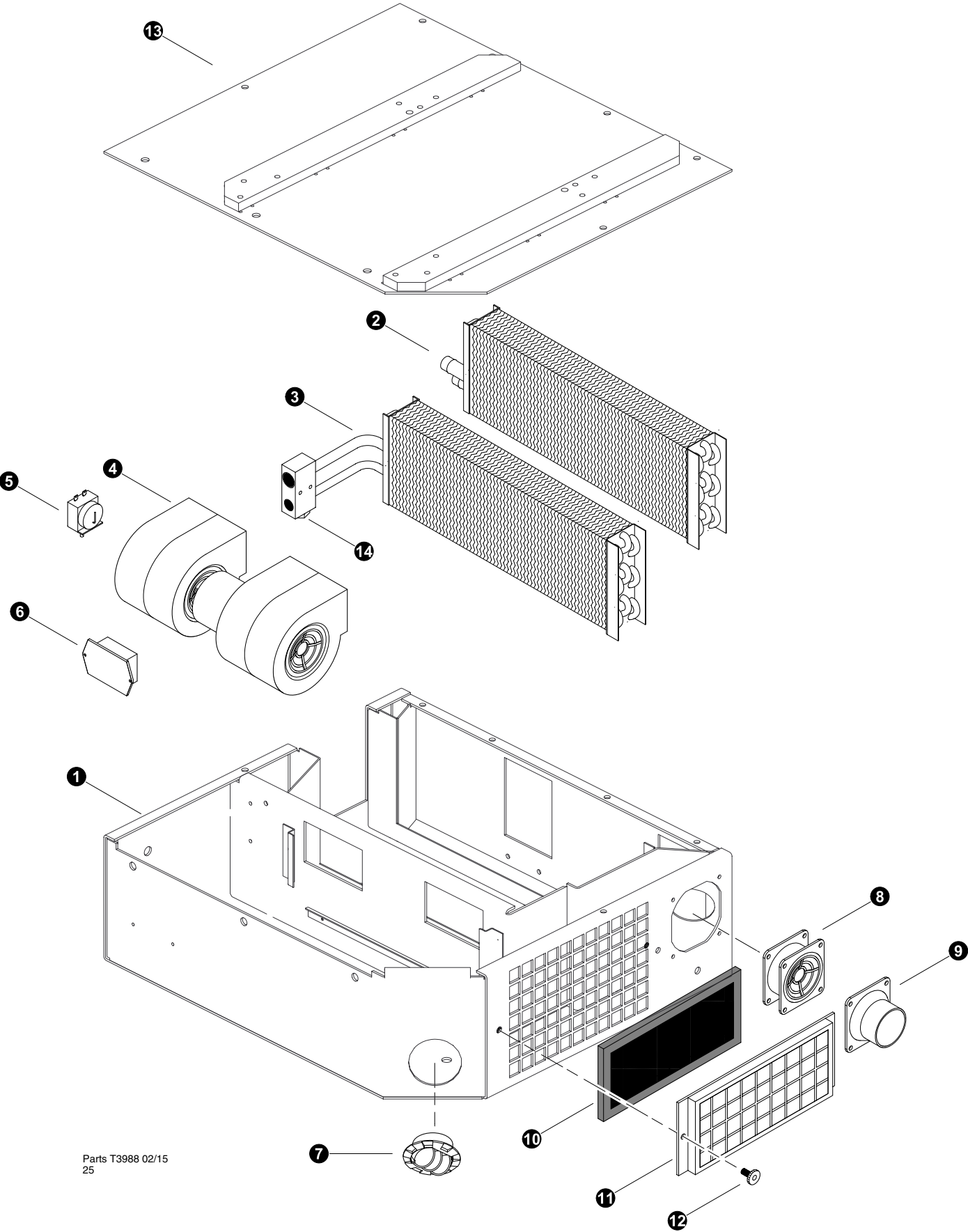
 See referenced page for component or assembly breakdown.

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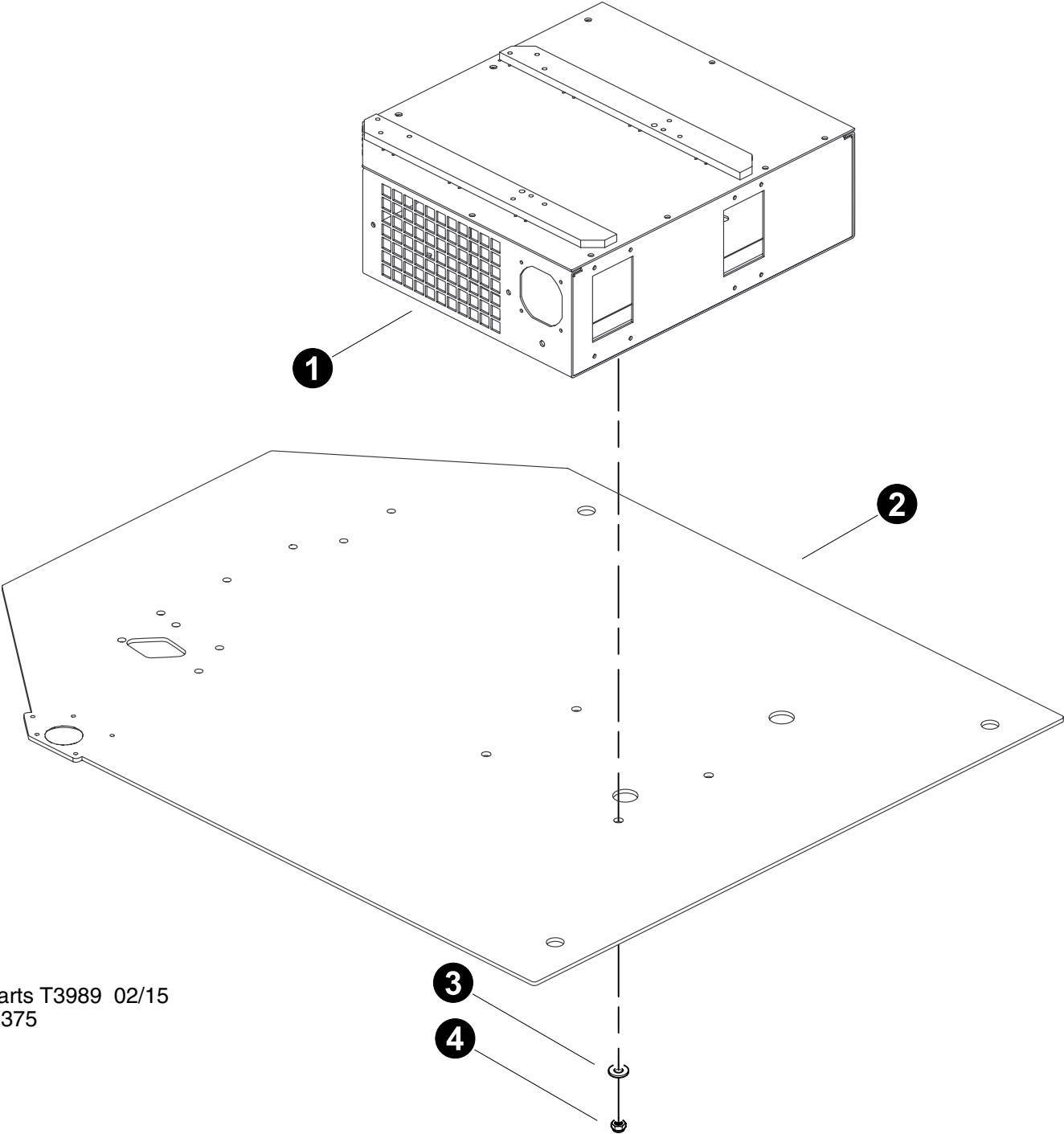
Section OC-4

Operator's Cab - Air Conditioner / Heater Unit



AIR CONDITIONER / HEATER UNIT

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	55226-OC	1	☐	KIT, HEATER/AC - C SERIES - LEFT CAB	
1	BA-906-045-0	1		BOX, A/C Heater	
2	-OC	1		HEATER CORE (BA6-1035)	
3	54274-OC	1		COIL, EVAPORATOR (BA6-1036)	
-	-OC	1		EXPANSION VALVE (BA1-2004)	
4	-OC	1		BLOWER ASSEMBLY - 24V (RD-3-7383-1)	
5	50955-OC	1		THEROSTAT (71R3200)	
6	54772-OC	1		SPEED CONTROL MODULE (RD-6-5558-0)	
7	-OC	1		DIFFUSER (BA2-2025)	
8	53164-OC	1		FAN, cab pressurizer (BT3-0130-4)	
9	-OC	1		ADAPTER, 3" HOSE	
10	54145-OC	1		FILTER, A/C - HEATER (BA8-0104)	
11	-OC	1		BRACKET, A/C Filter (BA-788-0-24)	
12	-OC	1		THUMB SCREW (BT0-0787)	
13	BA-906-045-11	1		COVER, A/C - Heater and Seat Mount	
14	57305-OC	1		VALVE, EXPANSION - BADGER (830/630)	



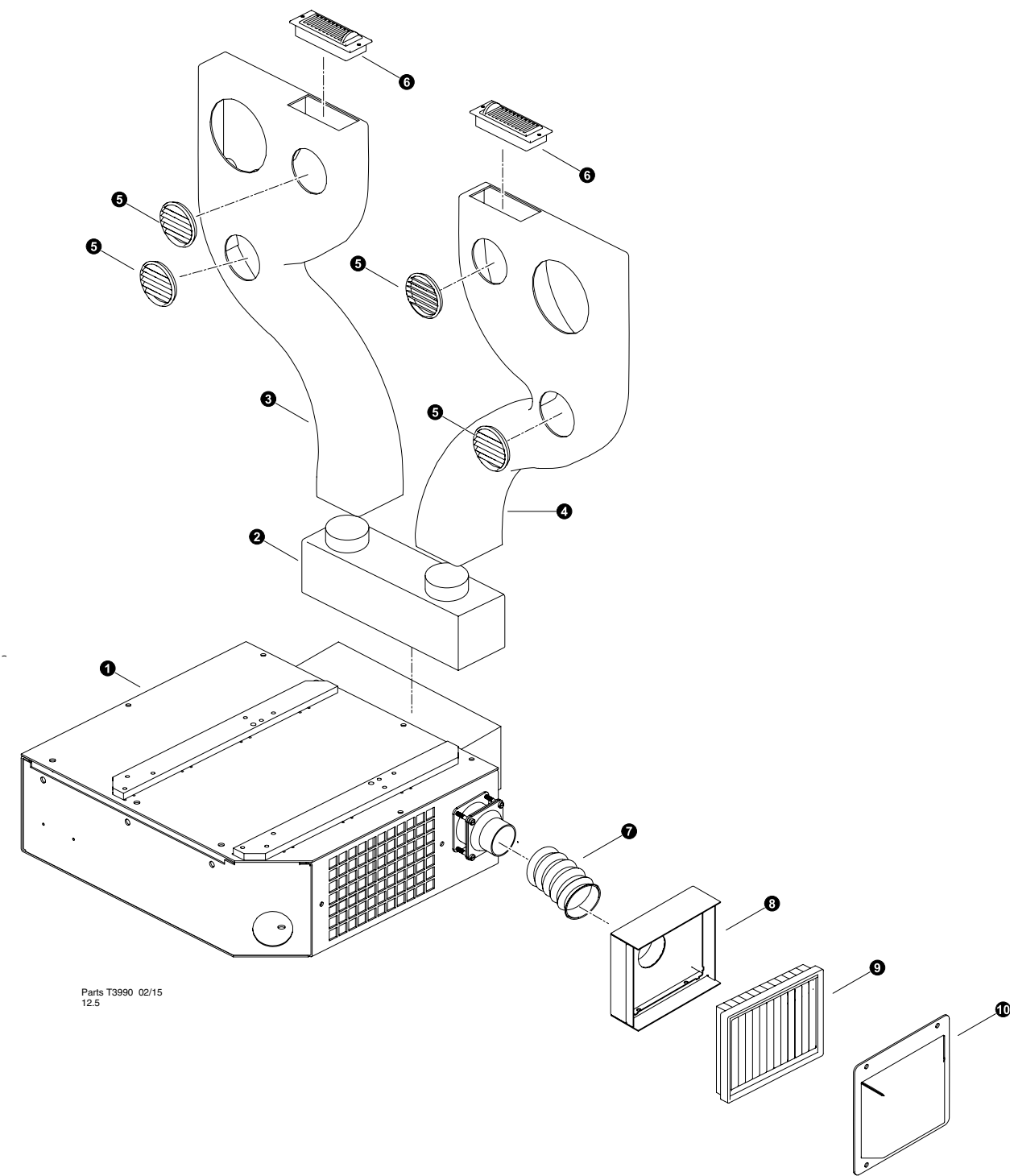
Parts T3989 02/15
9.375

AIR CONDITIONER / HEATER UNIT

(Installation)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		AIR CONDITIONER / HEATER UNIT.....	OC-4
2	REF.	1		OPERATOR'S CAB ASSEMBLY	OC-1
3	22666-OC	4		WASHER, SAE FLAT - .5" Thick	
4	10815-OC	4		NUT, LOCK - .5"	

☐ Kit or Assembly includes all items Underneath



Parts T3990 02/15
12.5

AIR CONDITITIONER / HEATER DUCT INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		AIR CONDITIONER / HEATER UNIT.	OC-4
2	1048261	1		DUCT, Combiner	
3	1048263	1		DUCT, HEATER/AC VERTICAL TUBE Right	
4	1048262	1		DUCT, HEATER/AC VERTICAL TUBE Left	
5	67008	4		VENT, LOUVER	
6	g2065	2		VENT, LOUVER	
7	-OC	AR		HOSE, flexible - 3" (78R0300SB)	
8	REF.	1		OPERATOR'S CAB ASSEMBLY	OC-1
9	54144-OC	1		FILTER, CAB - PRESSURIZED (CURRENT)	
10	13235-00	1		Cover, Fresh Air	



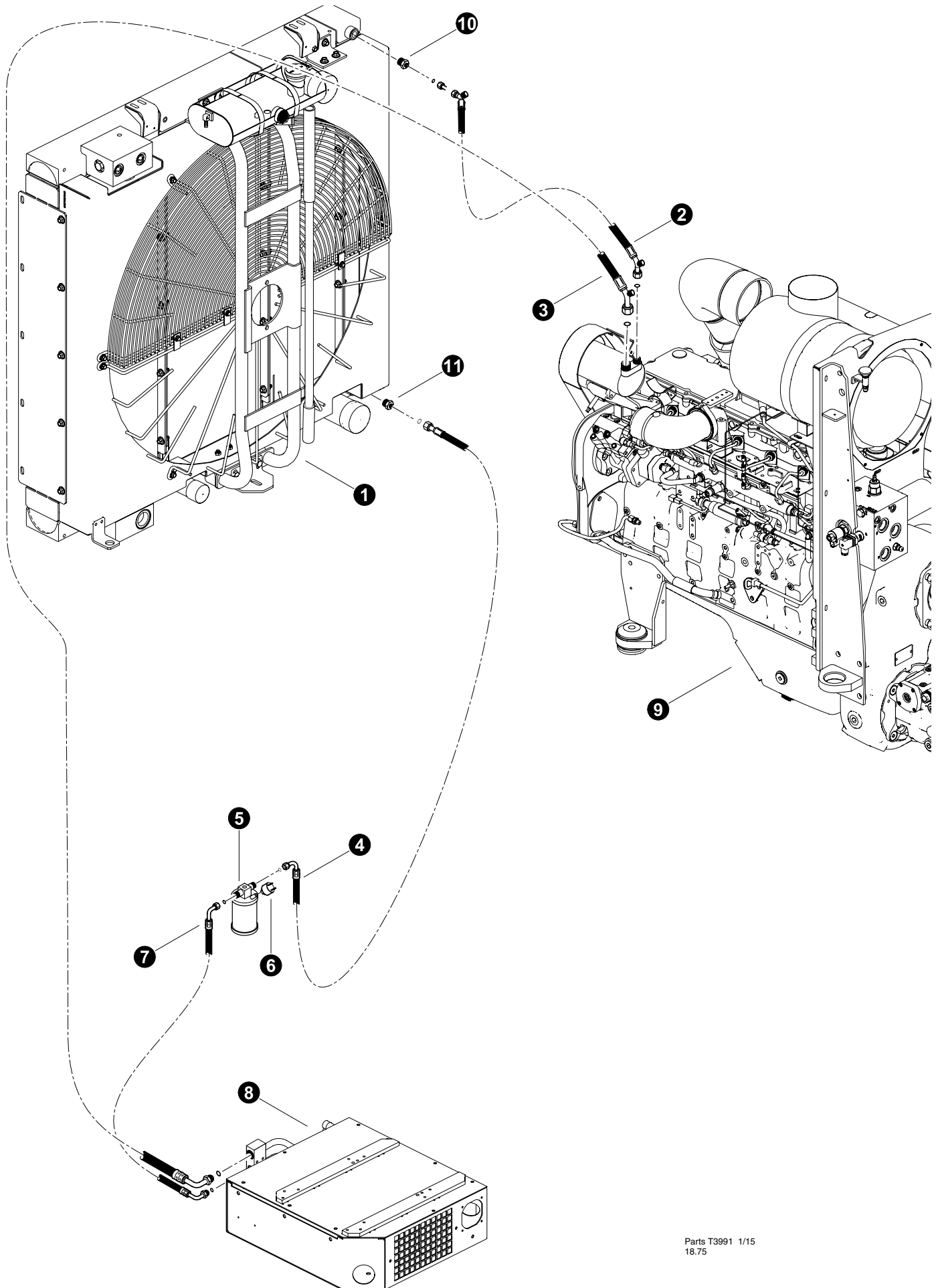
Built material - order length required in feet or meters.



Kit or Assembly - includes all items indented underneath.



See referenced page for component or assembly breakdown.



Parts T3991 1/15
18.75

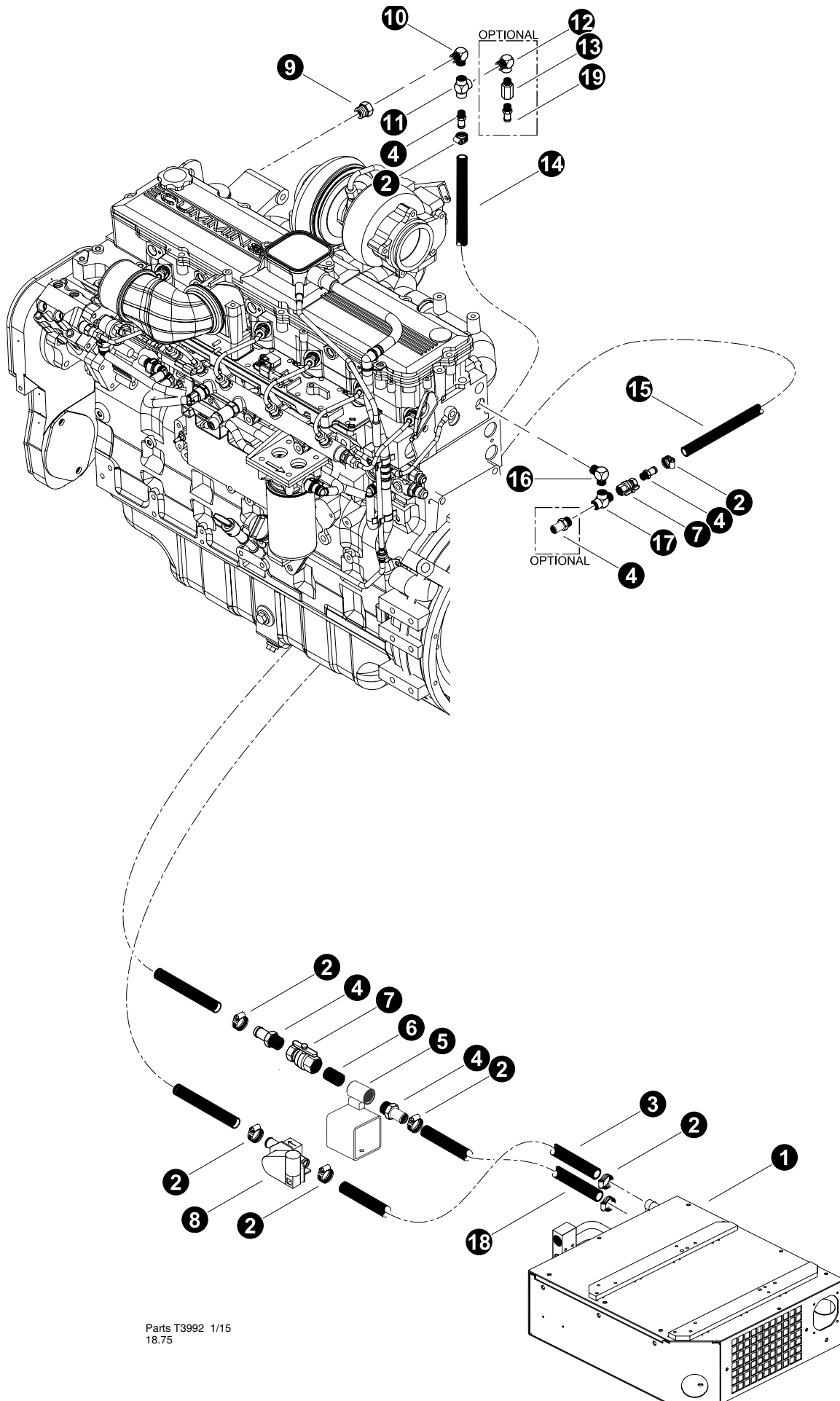
AIR CONDITIONER LINES

(Cab Interior and Exterior)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	RADIATOR / AC / OIL COOLER ASSEMBLY.	UP-3
2	BH-352-OC	1	HOSE, air conditioner - #8 x 43" (Female Str° to Female 90°) (Compressor to Condensor inlet)	
-	405863	2	O-RING #08	
3	BH-351-OC	1	HOSE, air conditioner - #10 x 204" (90° Male to 90° Female) (EXPANSION Valve to Compressor Inlet)	
-	405864	2	O-RING #10	
4	BH-354-OC	1	HOSE, air conditioner - #6 x 54" (#8 Female Str° to #6 Female 90°) (Condensor tubing Outlet to Drier)	
-	405862	2	O-RING #06	
-	405863	2	O-RING #08	
5	50937-OC	1	DRIER, A/C	
6	15040-OC	1	SWITCH, binary	
7	BH-353-OC	1	HOSE, air conditioner - #6 x 193 " (Male 90° to Female 90°) (EXPANSION Valve to Drier)	
-	405862	2	O-RING #06	
8	REF	1	AC / HEATER ASSEMBLY	OC-4-1
9	REF	1	CUMMINS QSC ENGINE ASSEMBLY	EE-1
10	BT0-770-OC	1	Fitting 7/8" -14 X #8 ORB	
11	BT0-770-OC	1	Fitting 7/8" -14 X #8 ORB	



See referenced page for component or assembly breakdown.



Parts T3992 1/15
18.75

HEATER LINES (Cab Interior)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		AIR CONDITIONER / HEATER UNIT.....	OC-4
2	16256-OC	8		CLAMP, hose - worm style - 7/8"	
3	16717-OC	1		HOSE, heater - 5/8" (<i>Bulkhead to Heater Coil</i>)	
4	51774-OC	1		CONNECTOR, STR HOSE BARB - .5 X 5/8 (830	
5	46340-OC	1		BRACKET, WATER VALVE - C MODEL	
6	16126-OC	1		NIPPLE, CLOSE .5"	
7	51714-OC	1		VALVE, BALL - WATER SHUT OFF HEATER 1/2"	
8	54674-OC	1		VALVE, WATER KIT	
9	15513-OC	2		BUSHING, REDUCER - 5406-12-8	
10	52785-OC	1		ELBOW, MALE PIPE - 3/4 X 1/2 CR-S	
11	16125-OC	1		TEE, BLACK - .5"	
12	-OC	2		ELBOW, 1/2" X 3/8" CD-S	
13	15652-OC	2		VALVE, CHECK	
14	16717-OC	1		HOSE, heater - 5/8" (<i>Bulkhead to Heater Coil</i>)	
15	16717-OC	1		HOSE, heater - 5/8" (<i>Bulkhead to Heater Coil</i>)	
16	52785-OC	1		ELBOW, MALE PIPE - 3/4 X 1/2 CR-S	
17	51879-OC	1		TEE, RUN - .5" (1/2 MR0-S)	
18	16717-OC	1		HOSE, heater - 5/8" (<i>Bulkhead to Heater Coil</i>)	
19	51502-OC	1		NIPPLE, KING - .38NPT X .63 HOSE	



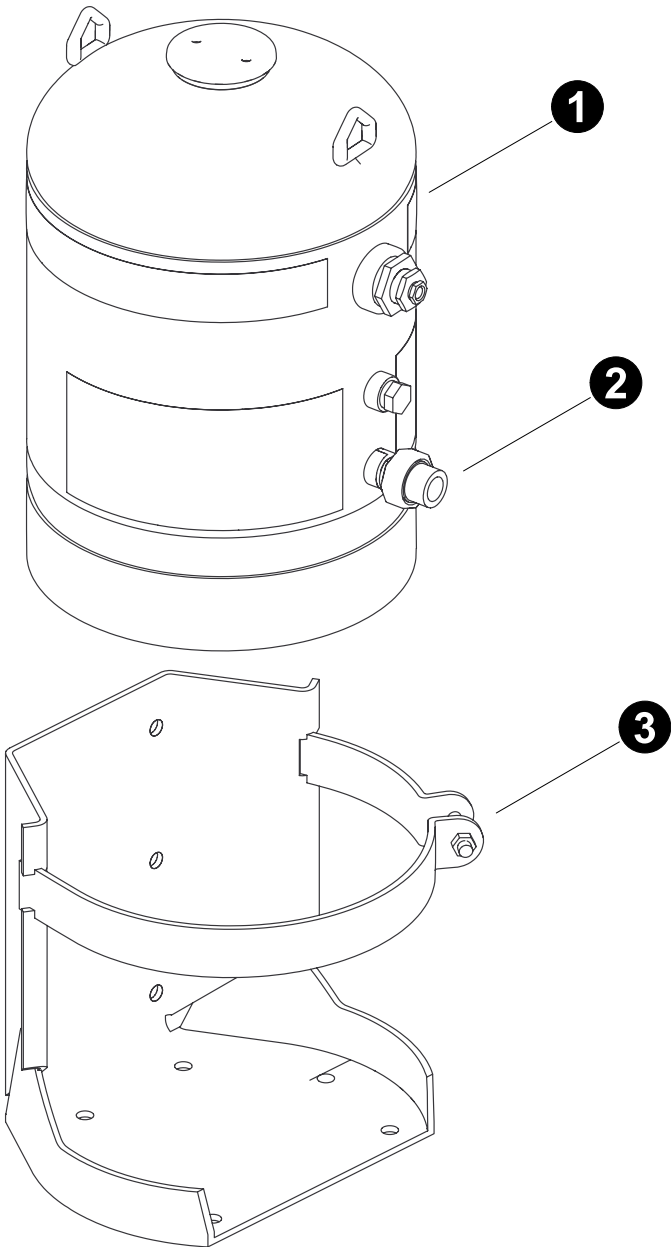
Bulk material - order length required in feet or meters.
See referenced page for component or assembly breakdown.

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Section OC-5

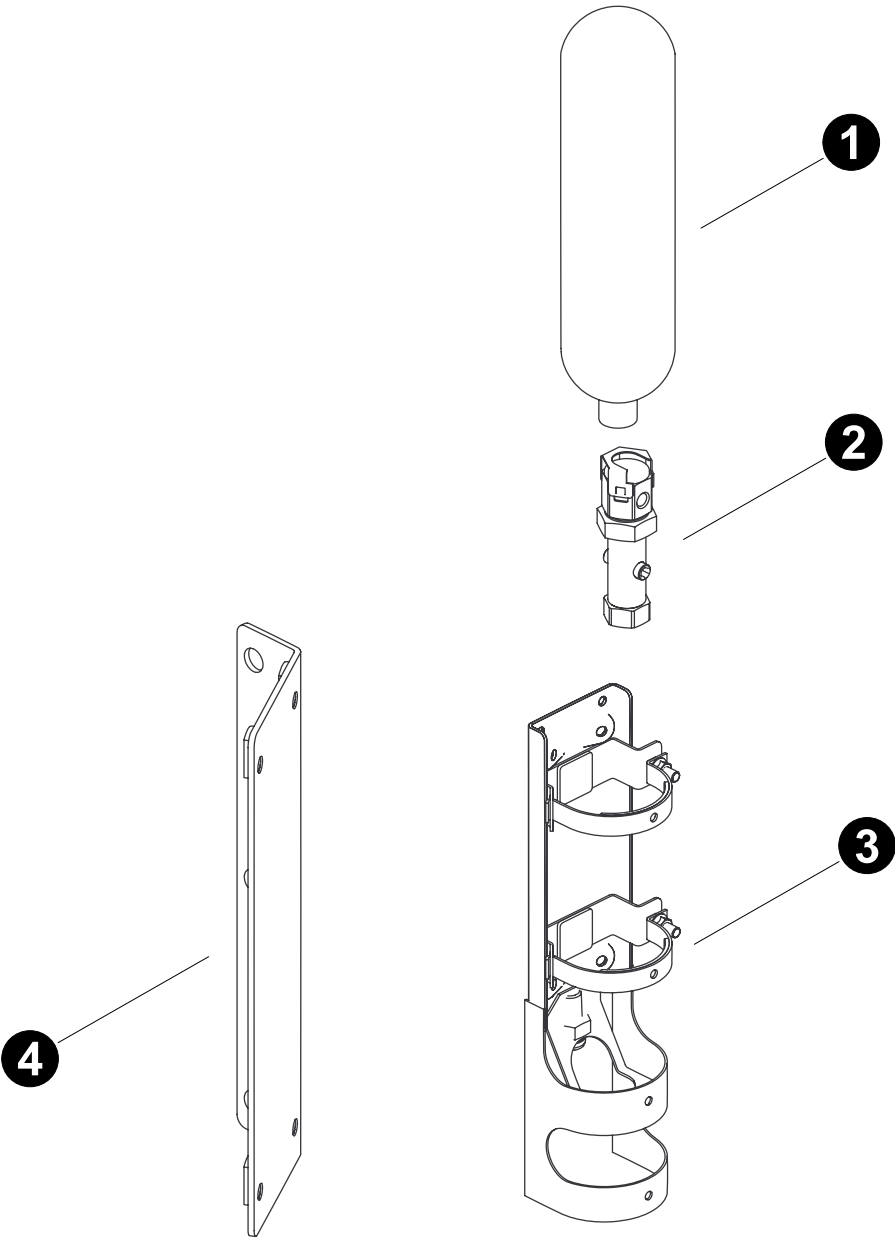
Operator's Cab - Optional Fire Suppression System



LVS Fire System Tank

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	439361-OC	1	☐	LVS-10 TANK ASSEMBLY	
2	5433-OC	1		Tailpiece Union	
-	4677-OC	1		Union Ring	
-	428271-OC	1		BURST DISC	
3	439376-OC	1		BRACKET	

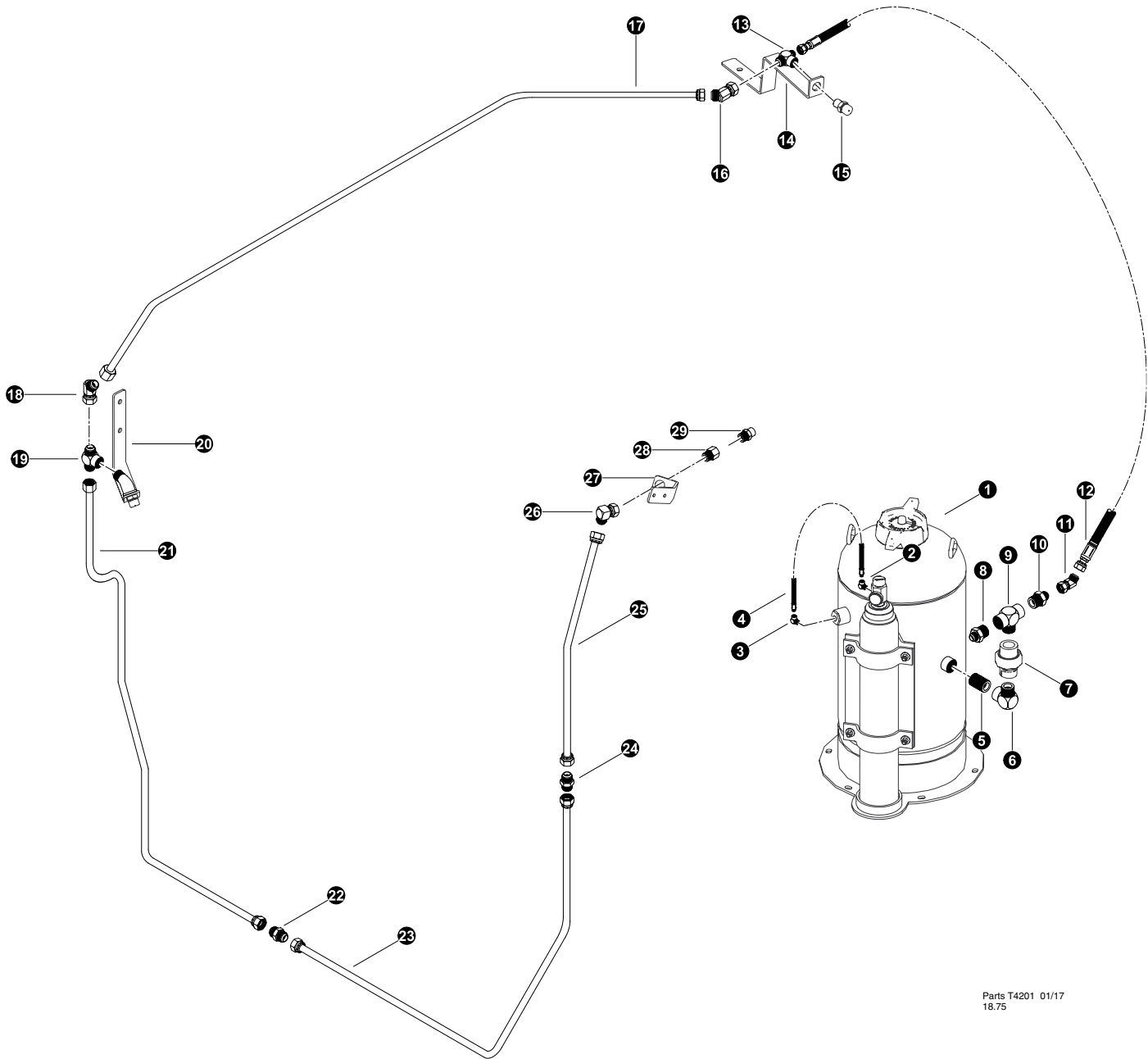
- ☐ Kit or Assembly - includes all items indented underneath.



LVS NITROGEN CYLINDER

REF	PART #	QTY		DESCRIPTION	SEE SECTION
--	24883-OC	1	☐	LT-A-101-30 Cartridge	
1	432152-OC			TANK	
2	439569-OC			SAFETY VENT	
3	32682-OC			BRACKET	
4	46985-OC			Mounting Bracket	

☐ Kit or Assembly - includes all items indented underneath.

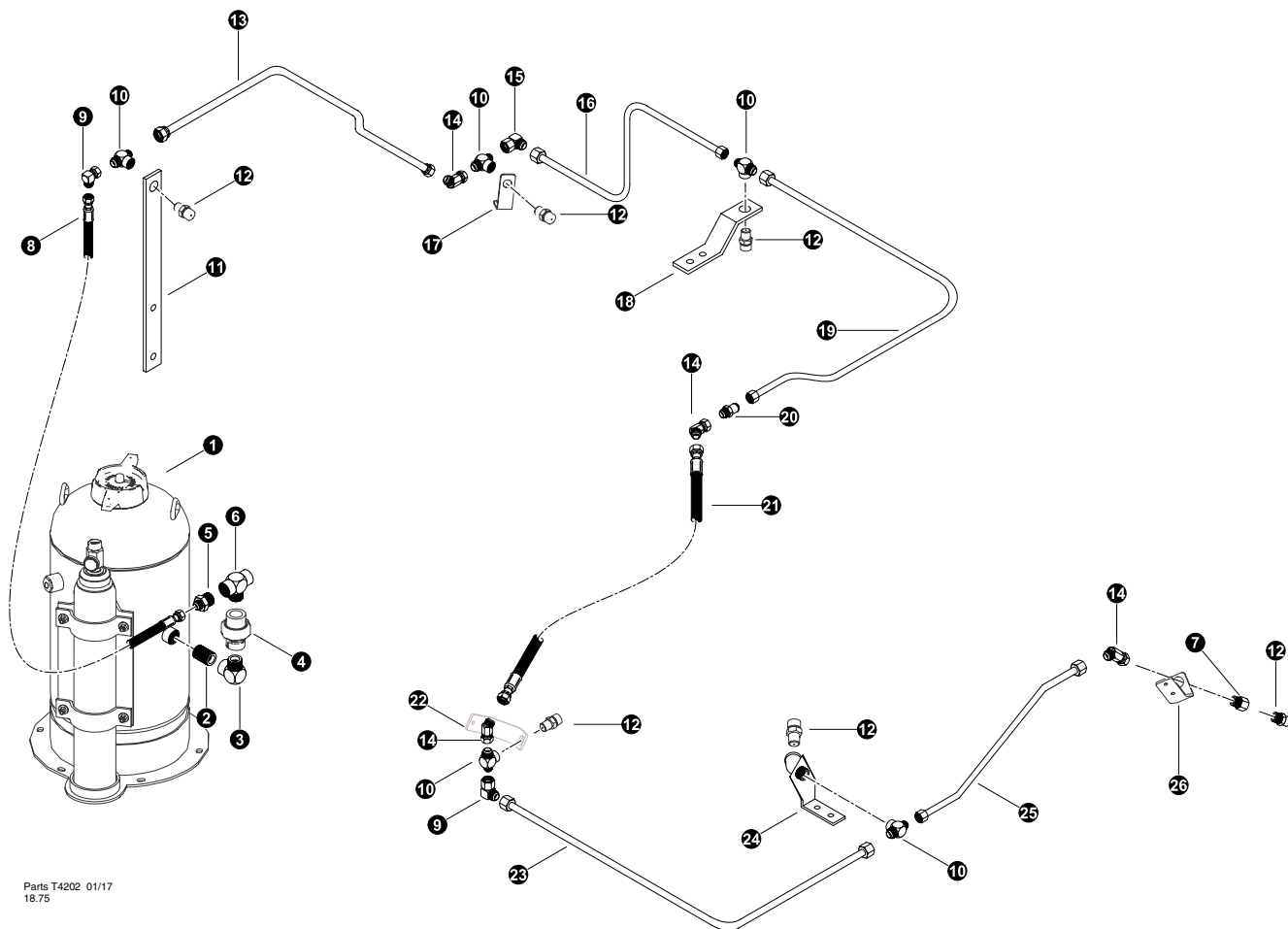


LVS ACTUATION SYSTEM INSTALLATION**Front**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	55126-OC	1	FIRE PRTECTION SYSTEM - LVS w/110 DETECT	
1	REF	1	LVS-10 TANK	OC-5
2	10320-OC	1	ELBOW, 90 SWIVEL - 1501-4-4	
3	10320-OC	1	ELBOW, 90 SWIVEL - 1501-4-4	
4	-OC	1	HOSE ASSEMBLY FS2008.5-04-04MP-04PS	
5	16317-OC	1	NIPPLE, PIPE - .75" X 1.5"	
6	53148-OC	1	FITTING, 3/4" MALE - 3/4" FEMALE	
7	21237-OC	1	UNION, BURSTING DISC (ASSY)	
8	16444-OC	1	CONNECTOR, STR - 2404-10-12	
9	55377-OC	1	TEE, FIRE SUPPRESSION - 3/4" NPT	
10	16444-OC	1	CONNECTOR, STR - 2404-10-12	
11	15241-OC	1	ELBOW, 45 SWIVEL - 6502-1	
12	-OC	1	HOSE ASSEMBLY FR2050-10-10JS-10JS	
13	55424-OC	1	FITTING, FEMALE BRANCH TEE	
14	48620-OC	1	BRACKET, FIRE SUPPRESSION - COOLER	
15	433325-OC	1	NOZZLE - W/CAP	
16	15241-OC	1	ELBOW, 45 SWIVEL - 6502-1	
17	48615-OC	1	TUBELINE, TS FIRE SUPPRESSION - COOL TOP	
18	15241-OC	1	ELBOW, 45 SWIVEL - 6502-1	
19	55424-OC	1	FITTING, FEMALE BRANCH TEE	
20	48612-OC	1	TUBELINE, TS FIRE SUPPRESSION - FAN GUAR	
21	48614-OC	1	TUBELINE, TS FIRE SUPPRESSION - PANEL	
22	17008-OC	1	CONNECTOR, STR BULKHEAD - 2700-10	
23	48613-OC	1	TUBELINE, TS FIRE SUPPRESSION - SWING	
24	17008-OC	1	CONNECTOR, STR BULKHEAD - 2700-10	
25	55433-OC	1	TUBELINE, TS FIRE SUPPRESSION - FAN MOT	
26	55387-OC	1	FITTING, SWIVEL - 10 C6X-S	
27	48617-OC	1	BRACKET, FIE SUPPRESSION - PUMPS	
28	55357-OC	1	FITTING, 10 WGTX-WLN-S	
29	433325-OC	1	NOZZLE - W/CAP	



See reference page for component or assembly breakdown.



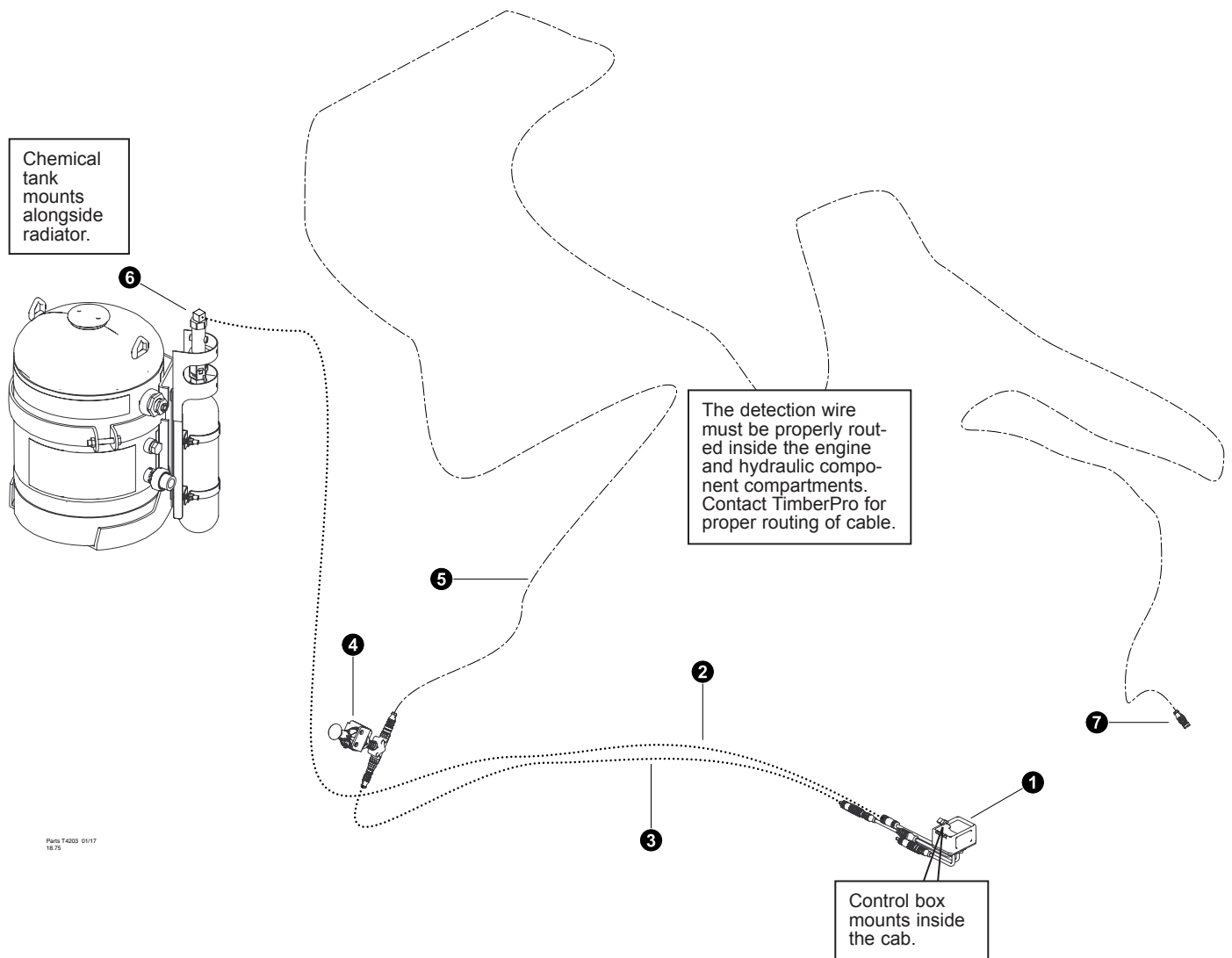
Parts T4202 01/17
18.75

LVS ACTUATION SYSTEM INSTALLATION**Rear**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	55126-OC	1	FIRE PRTECTION SYSTEM - LVS w/110 DETECT	
1	REF	1	LVS-10 TANK	OC-5
2	16317-OC	1	NIPPLE, PIPE - .75" X 1.5"	
3	53148-OC	1	FITTING, 3/4" MALE - 3/4" FEMALE	
4	21237-OC	1	UNION, BURSTING DISC (ASSY)	
5	16444-OC	1	CONNECTOR, STR - 2404-10-12	
6	55377-OC	1	TEE, FIRE SUPPRESSION - 3/4" NPT	
7	55357-OC	1	FITTING, 10 WGTX-WLN-S	
8	-OC	1	HOSE ASSEMBLY FR2031-10-10JS-10JS	
9	55387-OC	1	FITTING, SWIVEL - 10 C6X-S	
10	55424-OC	1	FITTING, FEMALE BRANCH TEE	
11	48619-OC	1	BRACKET, FIRE SUPPRESSION - AIR CLEANER	
12	433325-OC	1	NOZZLE - W/CAP	
13	48612-OC	1	TUBELINE, TS FIRE SUPPRESSION - FAN GUAR	
14	15241-OC	1	ELBOW, 45 SWIVEL - 6502-1	
15	55387-OC	1	FITTING, SWIVEL - 10 C6X-S	
16	57312-OC	1	TUBELINE, FIRE SUPPRESSION	
17	46507-OC	1	BRACKET, FIRE SUP LVS	
18	48618-OC	1	BRACKET, FIRE SUPPRESSION	
19	48611-OC	1	TUBELINE, TS FIRES SUPPRESSON - ENG AIR	
20	17008-OC	1	CONNECTOR, STR BULKHEAD - 2700-10	
21	-OC	1	HOSE ASSEMBLY FR2045-10-10JS-10JS	
22	48617-OC	1	BRACKET, FIE SUPPRESSION - PUMPS	
23	48610-OC	1	TUBELINE, TS FIRE SUPPRESSION - ELECTRIC	
24	47415-OC	1	BRACKET, FIRE SUPPRESSION-PUMPS	
25	48609-OC	1	TUBELINE, TS FIRE SUPPRESSION - PUMPS	
26	48617-OC	1	BRACKET, FIE SUPPRESSION - PUMPS	



See reference page for component or assembly breakdown.



LVS ACTUATION SYSTEM INSTALLATION**Controller**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	55126-OC	1	FIRE PRTECTION SYSTEM - LVS w/110 DETECT	
1	439559-OC	1	Checkfire 110 Control Module	
2	439422-OC	1	Release Circuit 10'	
3	439420-OC	1	Release Circuit 5'	
4	439400-OC	1	Electric, Manual Actuator	
-	440537-OC	1	Bracket, Manual Actuator	
-	439394-OC	1	TEE, Detection Circuit	
5	439410-OC	1	Detection Circuit Wire 30'	
6	REF	1	LVS-10 TANK/NITROGEN	OC-5
7	439396-OC	1	End of line connector	



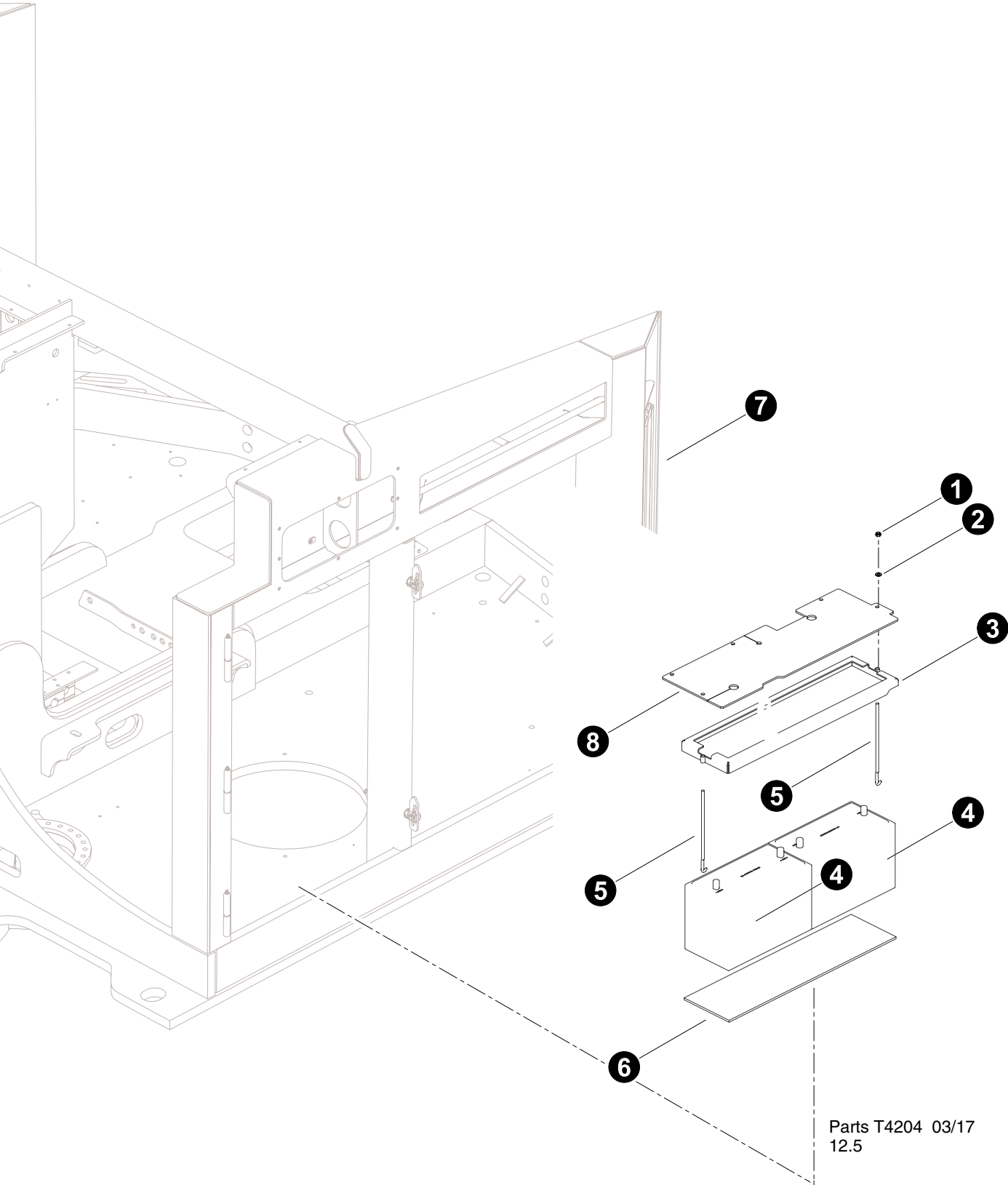
See reference page for component or assembly breakdown.

IMPORTANT NOTE ! Detection wire needs to be properly routed and isolated away from high temperature items (turbo & exhaust). Improper routing of the detection wire could cause system to not detect fire and to not operate properly. Wire also needs to be properly isolated away from items that could cause damage and wear to the wire. Contact TimberPro if you have any question on the routing of the detection wire.

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Section ES-1

Electrical System - Engine Compartment



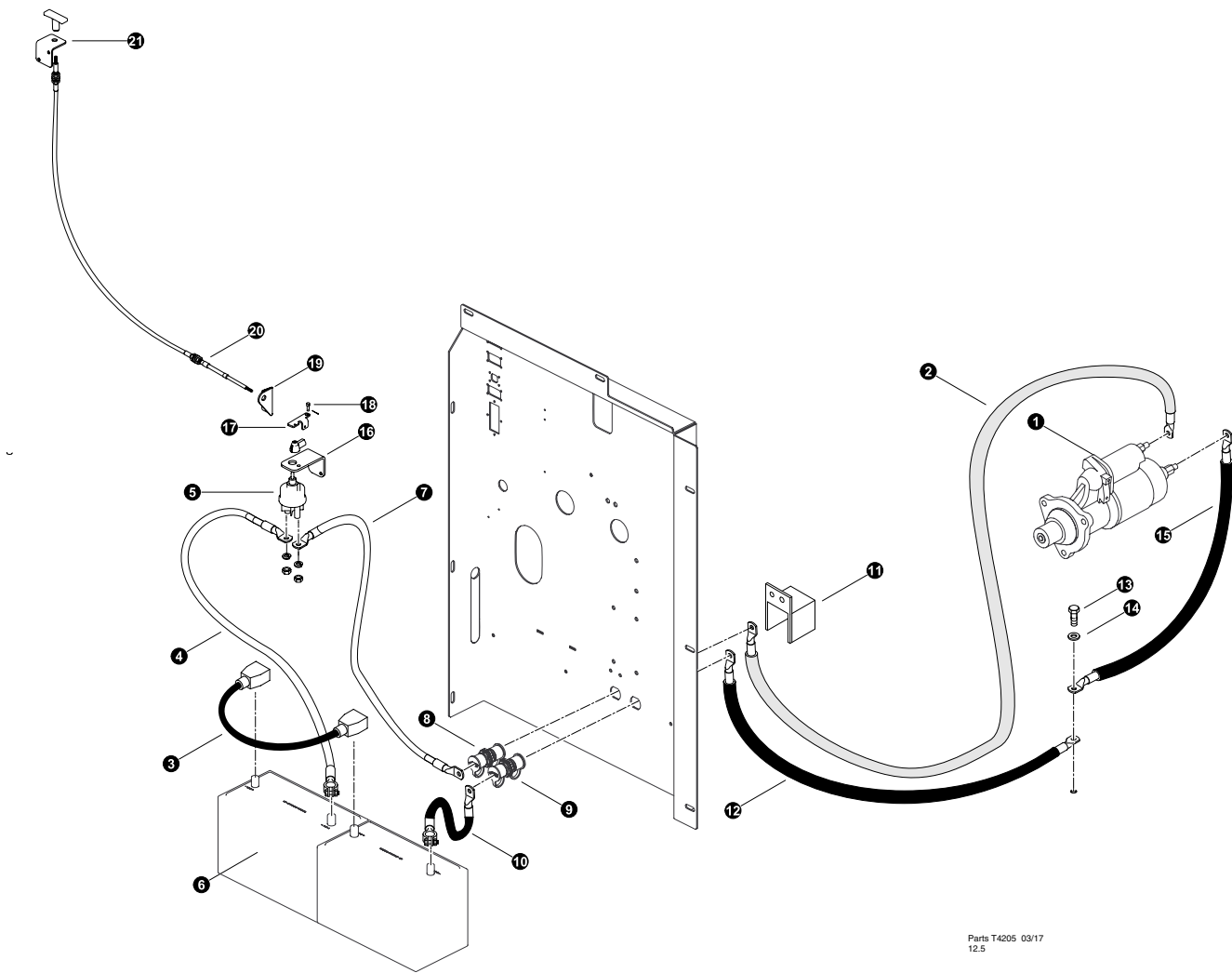
ENGINE ELECTRICAL SYSTEM

Battery Installation

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	10788-ES	2	NUT, NYLOCK - .3125"	
2	15559-ES	2	WASHER, SAE FLAT - .3125"	
3	45537-ES	1	BRACKET, BATTERY HOLD DOWN	
4	17150-ES	2	BATTERY, HEAVY DUTY	
5	51722-ES	1	HOLD DOWN, BATTERY - (2 PER PACK)	
6	45720-ES	1	RUBBER, ISOLATOR - BATTERY HOLD DOWN	
7	REF.	1	 UPPER TURNTABLE ASSEMBLY	UP-1
8	46564-ES	1	RUBBER, ISOLATOR - BATT COVER (C SERIES)	



See referenced page for component or assembly breakdown.



Parts T4205 03/17
12.5

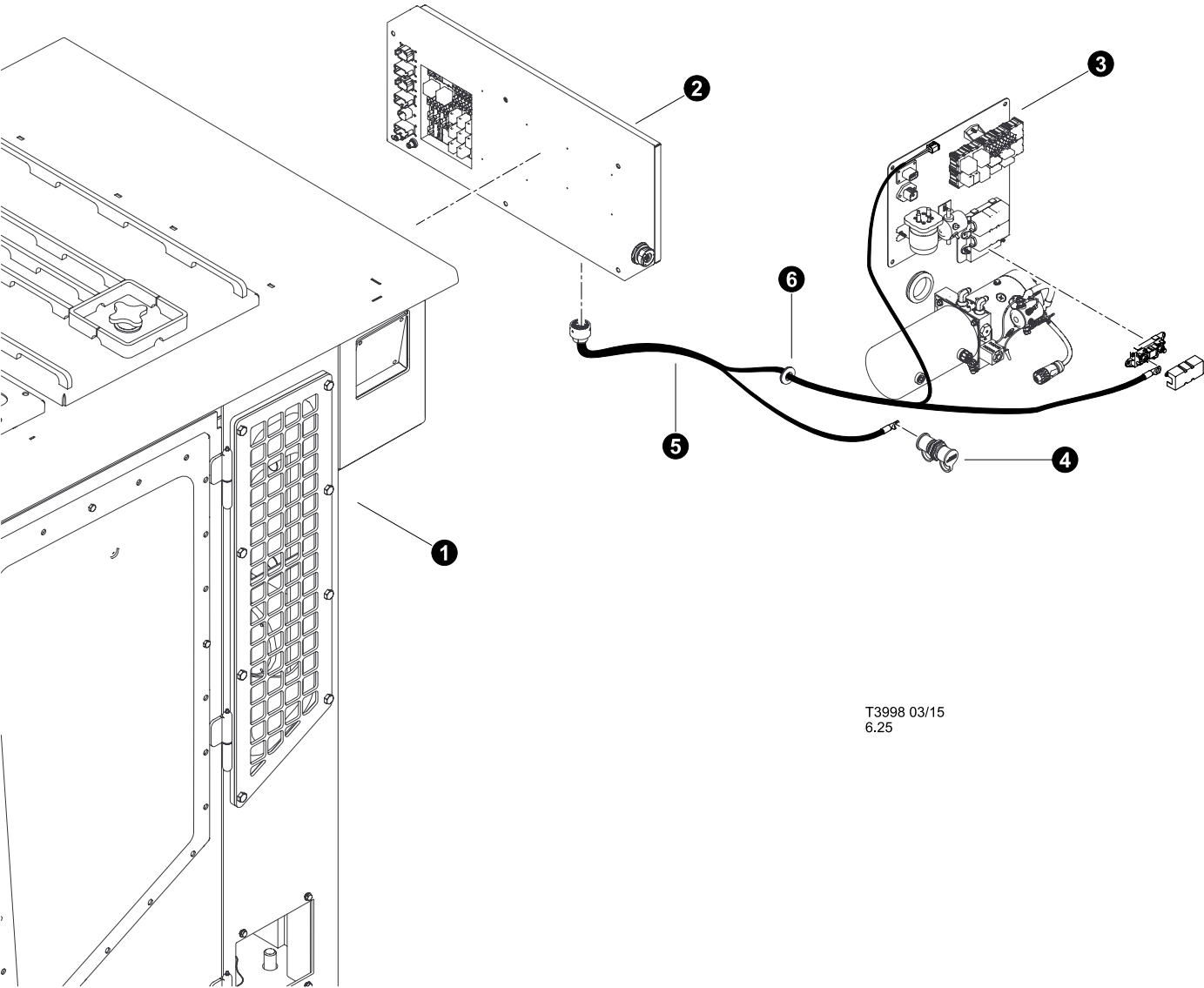
ENGINE ELECTRICAL SYSTEM

Battery Cables

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		STARTER	EE
2	57319-ES	1		CABLE, MASTER DISC. TO STARTER POS	
3	24300-ES	1		CABLE, BATTERY POS/NEG JUMPER	
4	55334-ES	1		CABLE, BAT. POSITIVE TO MAST. DISCONNECT	
5	25200-ES	1		SWITCH, MASTER SHUT-OFF(1/2" STUD)	
6	REF	1		BATTERY ASSEMBLY	ES-1
7	55333-ES	1		CABLE, MASTER DISC. to POWER + STUD	
8	54643-ES	1		STUD, THRU BATTERY CABLE POSITIVE +	
9	54642-ES	1		STUD, THRU BATTERY CABLE 1/2" NEGATIVE -	
10	57510-ES	1		CABLE, BATTER to GROUND STUD	
11	54614-ES	1		COVER, Positive battery post	
12	57321-ES	1		CABLE, Negative Stud to Upper Frame Grounding Bolt	
13	10783-ES	1		BOLT - .5" X 1"	
14	15534-ES	1		WASHER, SAE FLAT - .5"	
15	57320-ES	1		CABLE, Upper Frame Grounding Bolt to Starter Ground	
16	48430-ES	1		PLATE, MASTER DISCONNECT MOUNT	
17	48427-ES	1		PLATE, DISCONNECT THROW HANDLE	
18	15573-ES	1		PIN, PIVOT THROTTLE CABLE END	
19	48428-ES	1		PLATE, DISCONNECT CABLE MTG BRACKET	
20	57416-ES	1		CABLE, T HANDLE PUSH/PULL - MASTER DISCO	
21	48429-ES	1		PLATE, T-HANDLE MOUNT - DISCONNECT	



See referenced page for component or assembly breakdown.



T3998 03/15
6.25

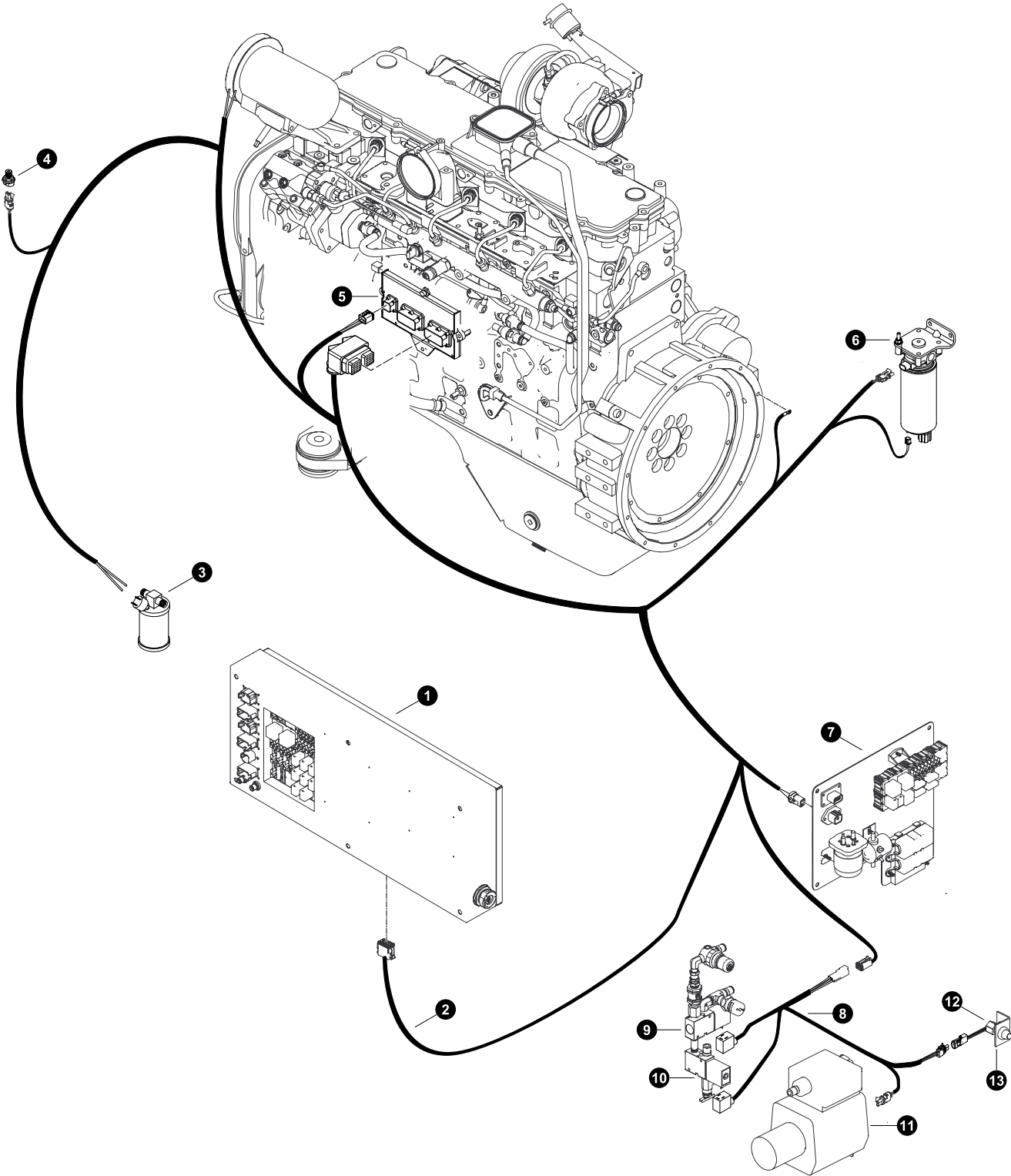
ENGINE ELECTRICAL SYSTEM

Cab Load Center Power Harness

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		CAB ASSEMBLY.....	OC-1
2	REF	1		CAB ELECTRICAL CENTER.....	ES-2
3	REF	1		ENGINE ELECTRICAL CENTER.....	ES-1
4	54643-ES	1		STUD, THRU BATTERY CABLE POSITIVE	
5	54581-ES	1		HARNESS, CAB Load Center Power	
6	-ES	1		GROMMET	



See referenced page for component or assembly breakdown.



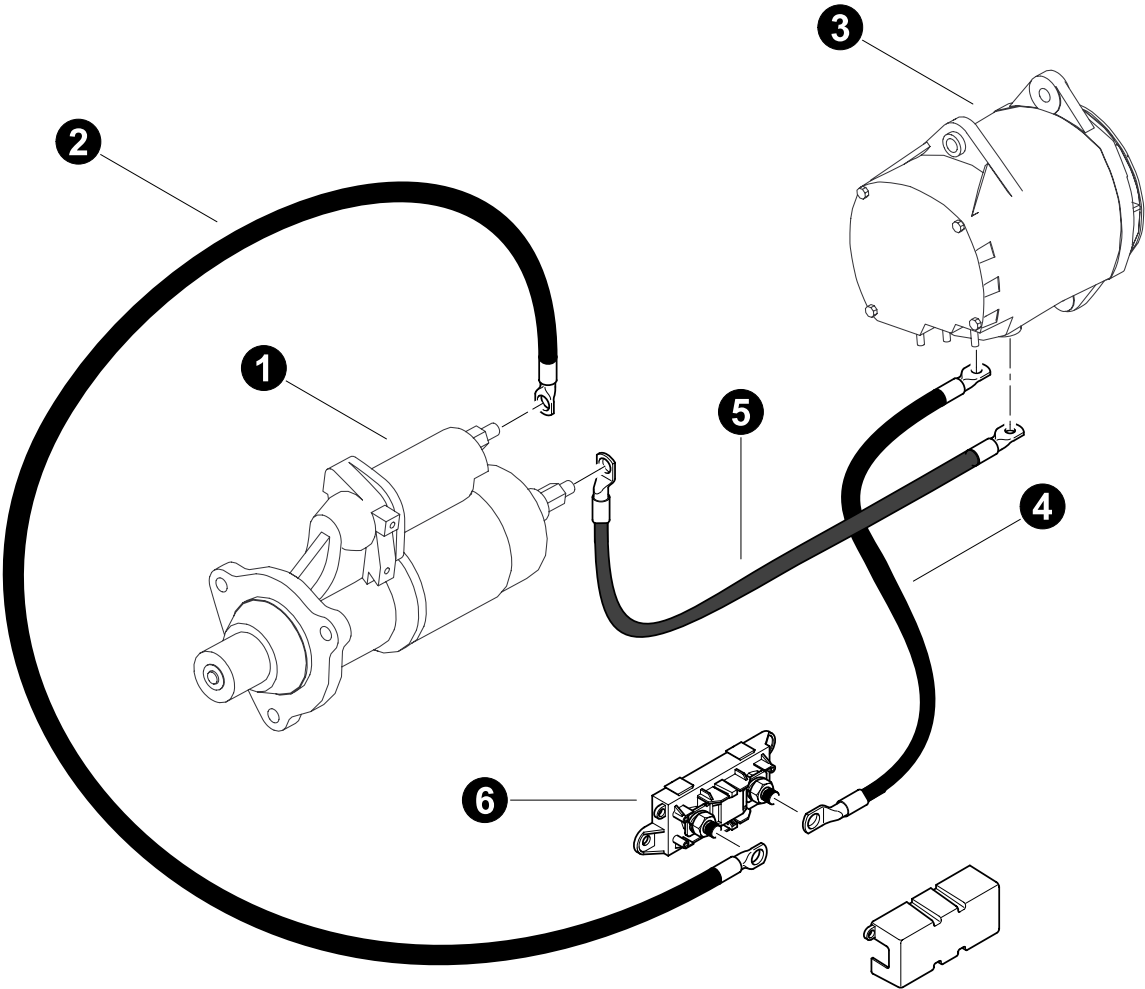
ENGINE ELECTRICAL SYSTEM

Main Engine Electrical Harness (Cummins QSC Tier3)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		CAB ELECTRICAL CENTER	ES-2
2	57373-ES	1		HARNESS, Engine - Tier3 Cummins C Series - 765	
3	REF	1		DRIER, AC System	OC-3
4	52661-ES	1		SENSOR, LOW COOLANT - TIER 3	
5	REF.	1		ENGINE ECU	EE-1
6	REF	1		FUEL HEATER / FILTER ASSEMBLY	EE-1
7	REF	1		ENGINE ELECTRICAL CENTER	ES-1
8	55193-ES	1		HARNESS, VAC VENT Fill - C Series	
9	REF.	1		VACUUM VALVE	UP-2
10	REF.	1		VENT VALVE	UP-2
11	REF.	1		VACUUM PUMP	UP-2
12	25104-ES	1		SWITCH, FILL PUMP	



See referenced page for component or assembly breakdown.



Parts T4000 03/15
18.75

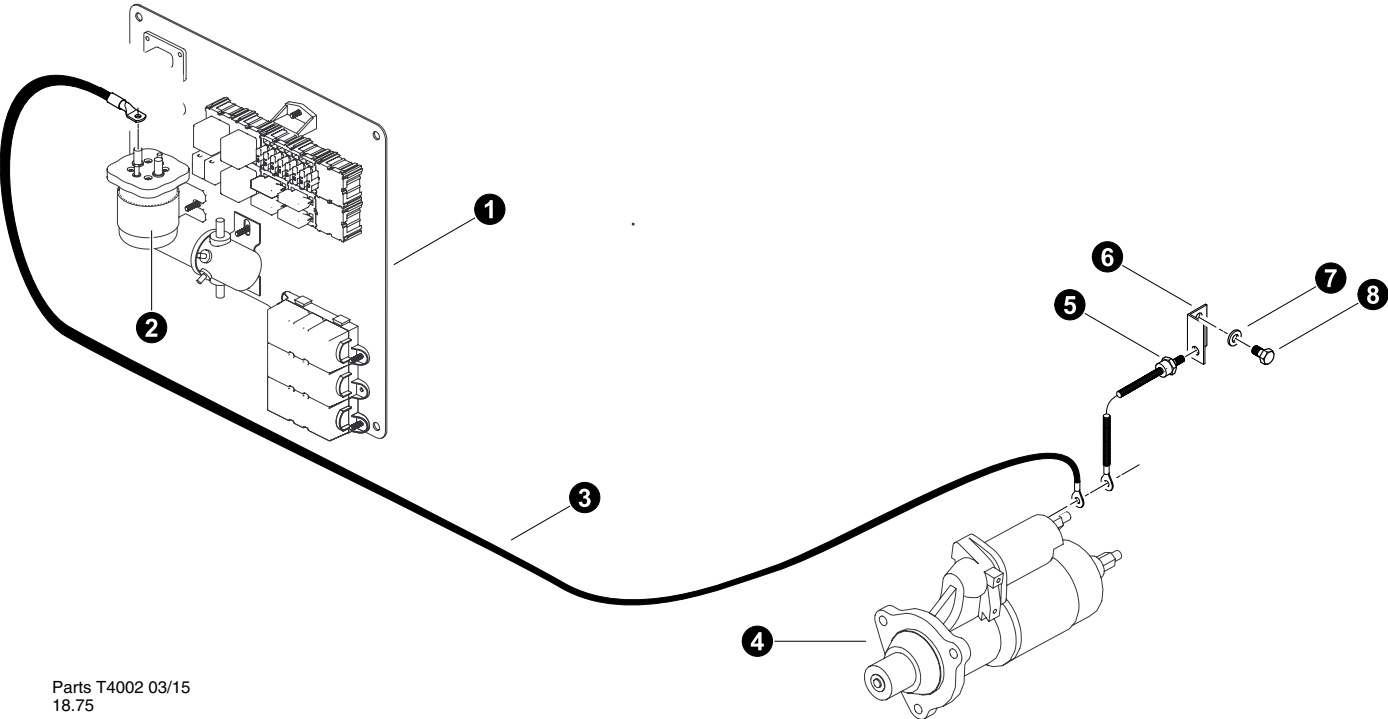
ENGINE ELECTRICAL SYSTEM

Alternator Electrical

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		STARTER	EE
2	55332-ES	1		CABLE, BATTERY - POSITIVE - "C" - 26"	
3	REF.	1		ALTERNATOR	EE
4	55330-ES			CABLE, BATTERY - POSITIVE - "C" - 32"	
5	55331-ES	1		CABLE, BATTERY - NEGATIVE - "C" - 38"	
6	22247-ES	1		HOLDER, FUSE MEGA	
-	23619-ES	1		FUSE, 100 AMP (MEGA)	



See referenced page for component or assembly breakdown.



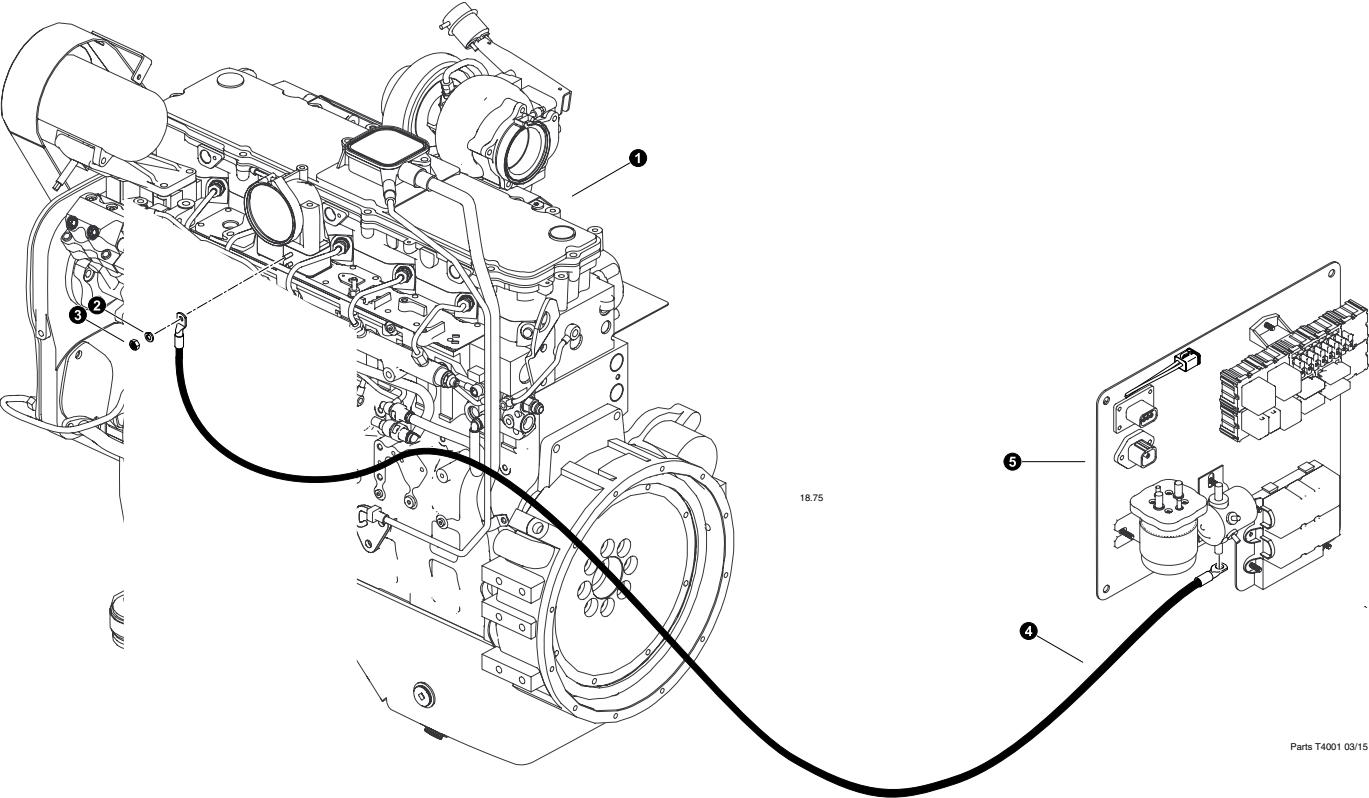
Parts T4002 03/15
18.75

ENGINE ELECTRICAL SYSTEM**Starter Electrical
(Cummins QSC Only)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ENGINE ELECTRICAL CENTER ASSEMBLY	ES-1
2	REF.	1		STARTER RELAY	ES-1
3	57517-ES	1		CABLE, START RELAY TO STARTER SOL.	
4	REF.	1		STARTER	EE
5	25052-ES	1		DIODE, assembly engine start relay	
6	25058-ES	1		BRACKET, DIODE MOUNTING (CUM. C ENG.)	
7	15528-ES	1		WASHER, SAE FLAT - .375"	
8	18416-ES	1		BOLT - 10MM-1.5P X 25MM	



See referenced page for component or assembly breakdown.

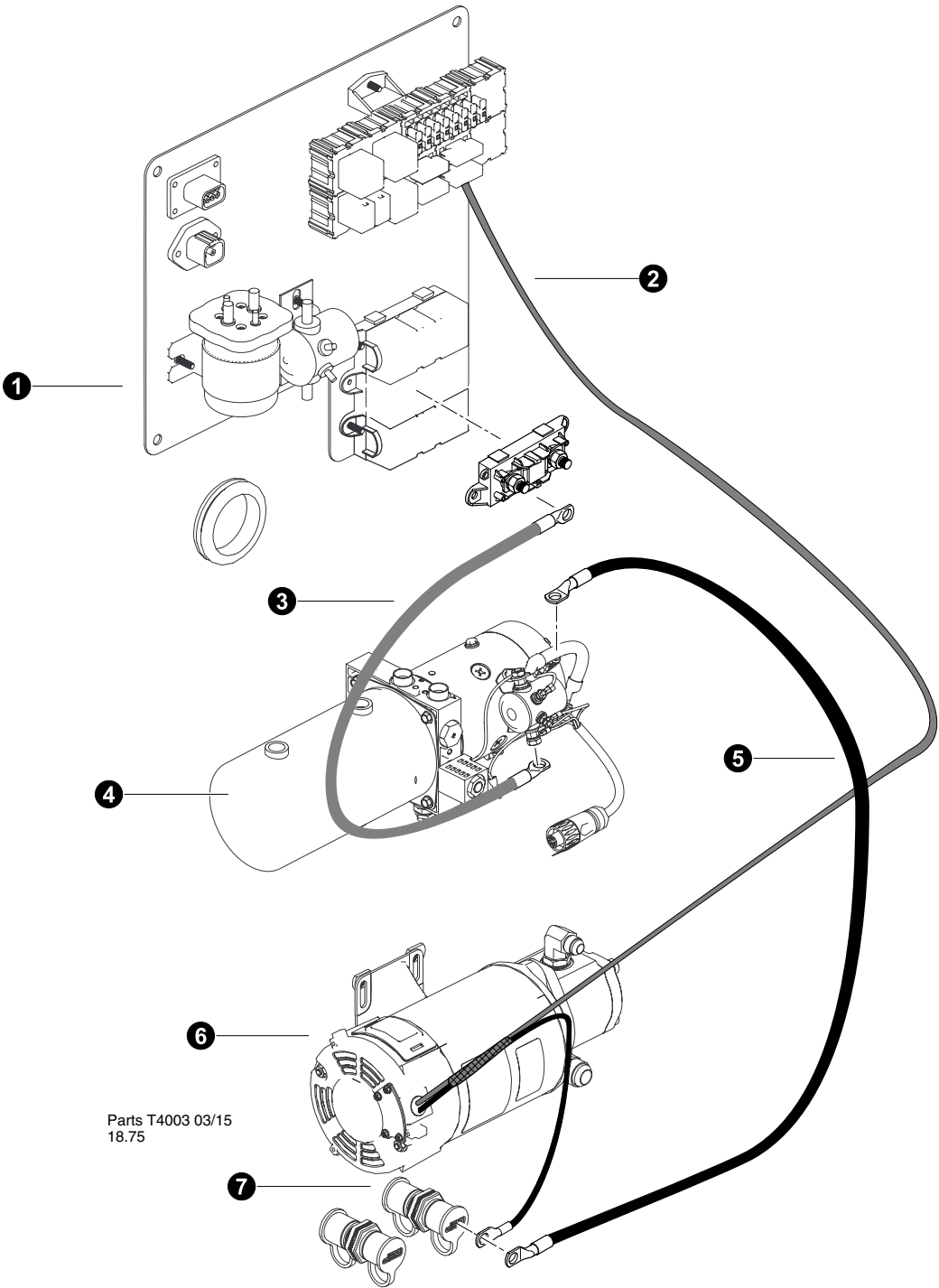


ENGINE ELECTRICAL SYSTEM**Grid Heater Cable
(Cummins QSC Only)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	EF.	1		ENGINE	EE-1
2	10756-ES	1		WASHER, LOCK - .25"	
3	16117-ES	1		NUT, HEX - 6MM	
4	57392-ES	1		CABLE, GRID HEATER (C-Series)	
5	REF.	1		ENGINE ELECTRICAL CENTER ASSEMBLY.....	ES-1



See referenced page for component or assembly breakdown.



ENGINE ELECTRICAL SYSTEM

Fill Pump and Gull Wing Lift Pump Harness

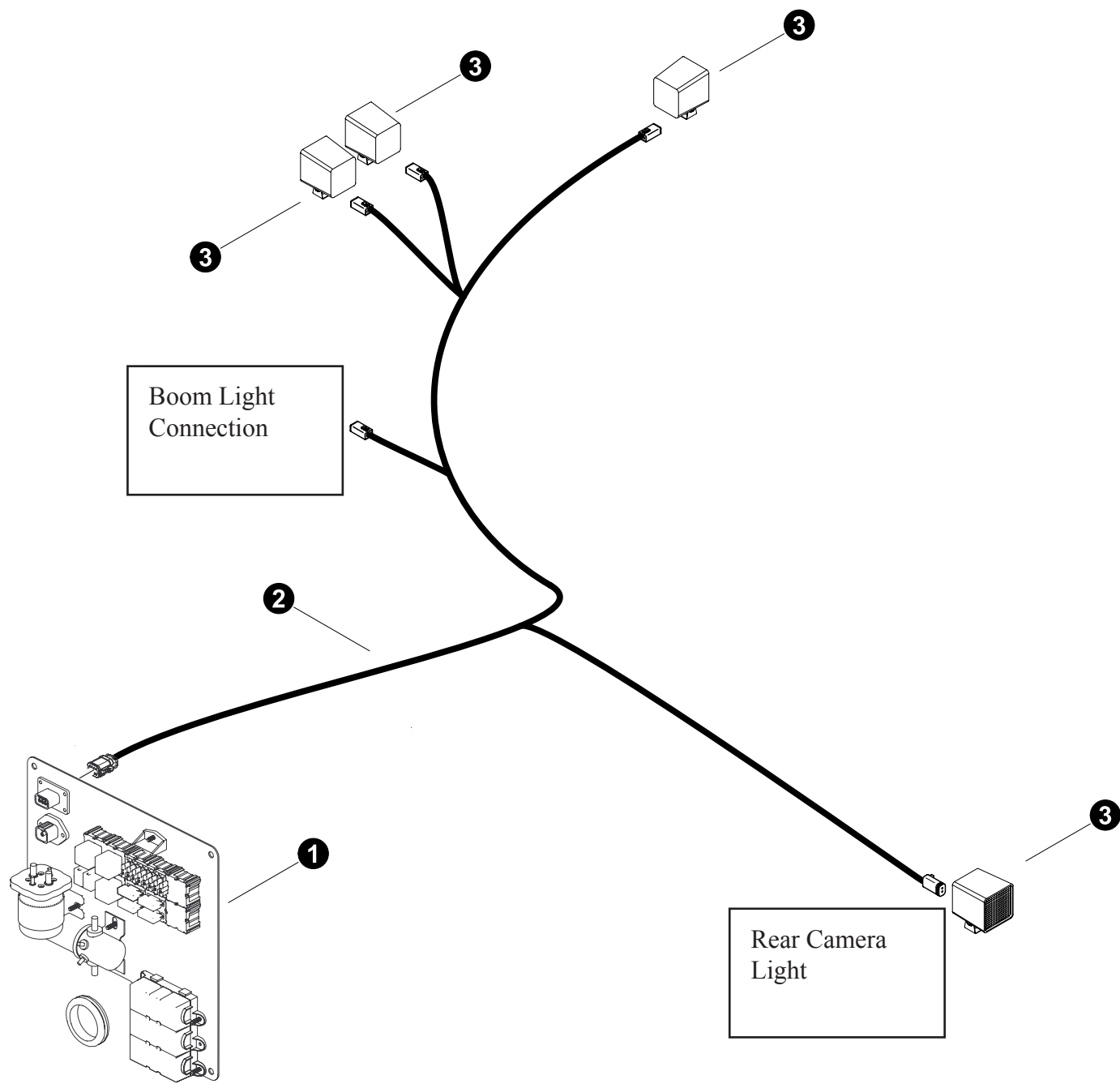
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1	☐	ENGINE ELECTRICAL CENTER ASSEMBLY	ES-1
2	NSS	1		HARNESS, Fill Pump (part of Engine Electrical Center)	
3	53019-ES	1		CABLE, FILL PUMP/DOOR PUMP (SN 0073 and 0351 and Before)	
4	REF.	1	☐	GULLWING DOOR LIFT PUMP	UP-1
5	55336-ES	1		BH Panel Ground Lug to Lift Pump	
6	REF	1	☐	FILL PUMP ASSEMBLY	UP-2
7	54642-ES	1		STUD, THRU BATTERY CABLE 1/2" NEGATIVE	



See referenced page for component or assembly breakdown.



Assembly that includes all items indented below.



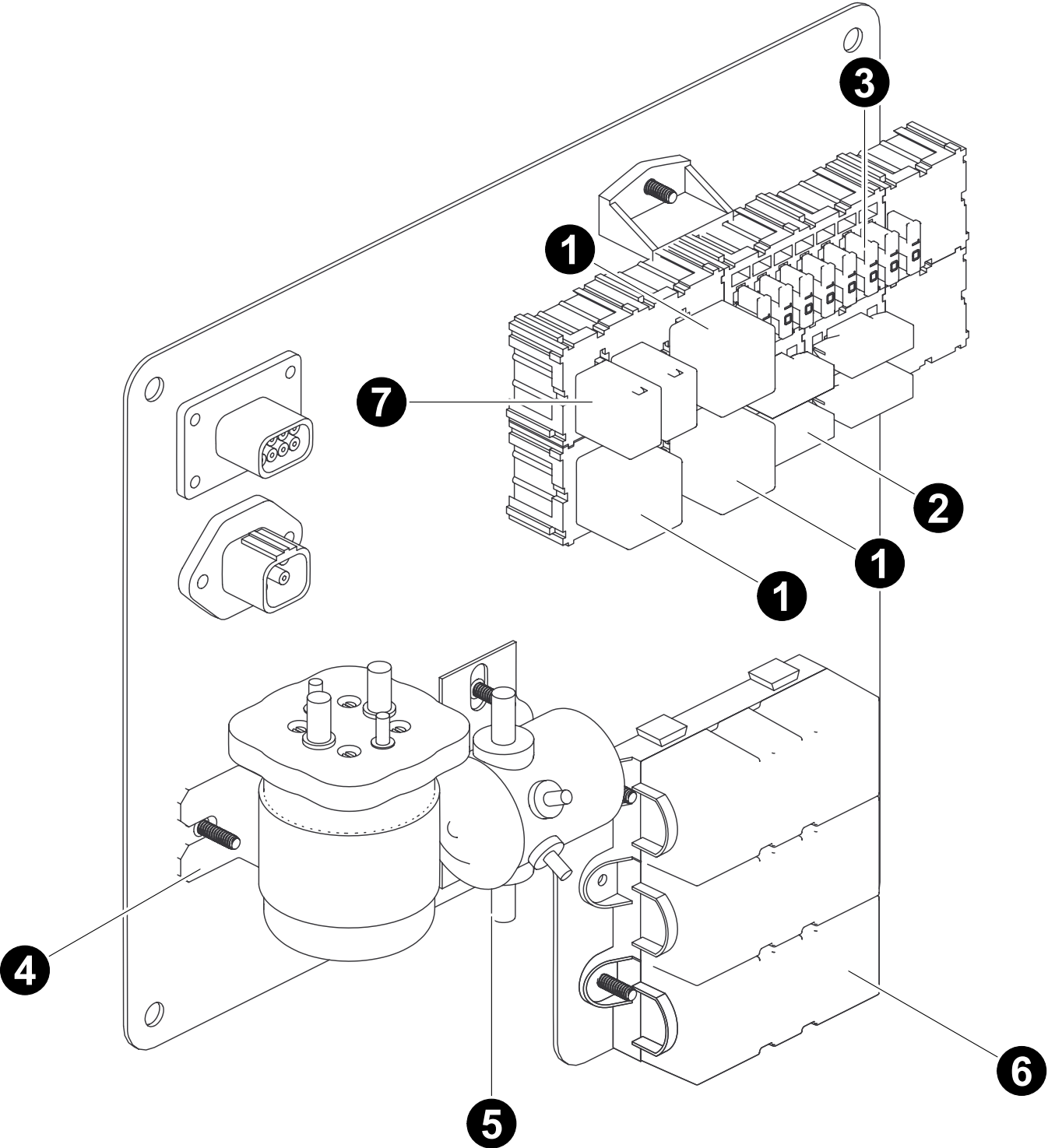
Parts T4004 03/15
18.75

FRONT DOOR, BOOM and REAR LIGHT HARNESSES

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ENGINE ELECTRICAL CENTER ASSEMBLY	ES-1
2	57378-ES	1		HARNESS, Lights-Front Door - Tier4	
3	REF.	1		LIGHTS	ES-1



See referenced page for component or assembly breakdown.



Parts T4005 03/15

ENGINE ELECTRICAL SYSTEM

Engine Electrical Center Breakdown

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	46695-ES	1	☐	LOAD CENTER - ENG Comp MD4 C-series	
1	51755-ES	3		RELAY, 70 AMP - LIGHTS / IGNITION / ACCESORY / Fill Pump	
2	21892-ES	2		FUSE, MAXI - 30 AMP (lights)	
	21893-ES	2		FUSE, MAXI - 50 AMP (starter, fill pump)	
3	24512-ES	4		FUSE, ATO - 10 AMP (lights)	
	51754-ES	1		FUSE, ATO - 20 AMP (Engine Pre Heater)	
	50401-ES	1		FUSE, ATO - 30 AMP (Cummins ECU)	
4	25117-ES	1		RELAY, STARTER - 24 volt (WHITE/ROGERS)	
5	25199-ES	1		RELAY, GRID HEATER - 24 volt (COLE HERSEE)	
6	23619-ES	3		FUSE, 100 AMP - MEGA (cab power supply, gull wing lift pump, grid heater, alternator)	
7	53645-ES	2		RELAY, AZ988-1C-24DE-C1 / American Zettler	
	21890-ES	1		FUSE, MINI - 5 AMP (Horn)	
	21887-ES	1		FUSE, MINI - 15 AMP (Gear Box Pump)	

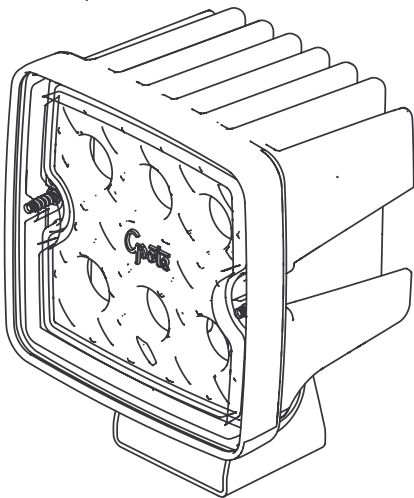


See referenced page for component or assembly breakdown.

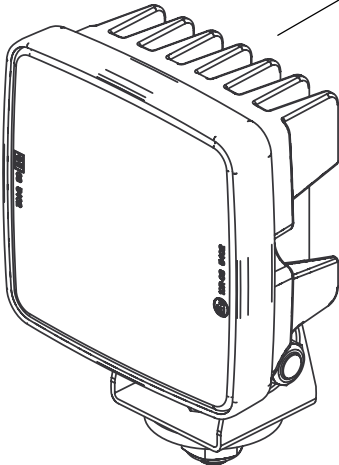


Assembly that includes all items indented below.

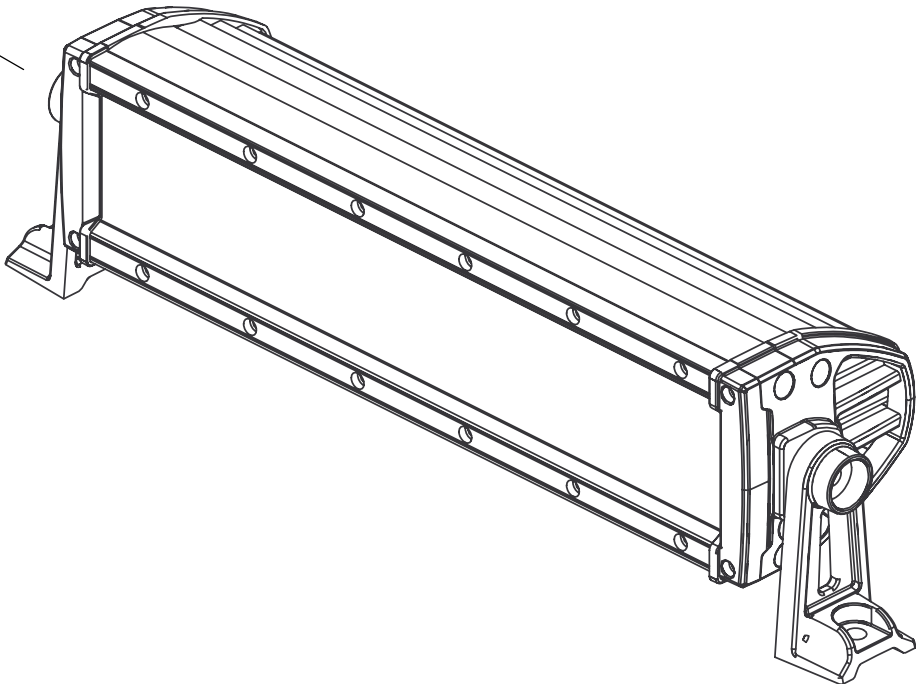
1



2



3



ENGINE ELECTRICAL SYSTEM

Lights

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	54670-ES	1	LIGHT, LED - C SERIES - SPOT/FLOOD	
2	50999-ES	1	LIGHT, LED - BOOM / Gullwing MOUNTED - FLOOD	
3	55550-ES	1	LIGHT, CAB - 10" LED LIGHT BAR	



See referenced page for component or assembly breakdown.



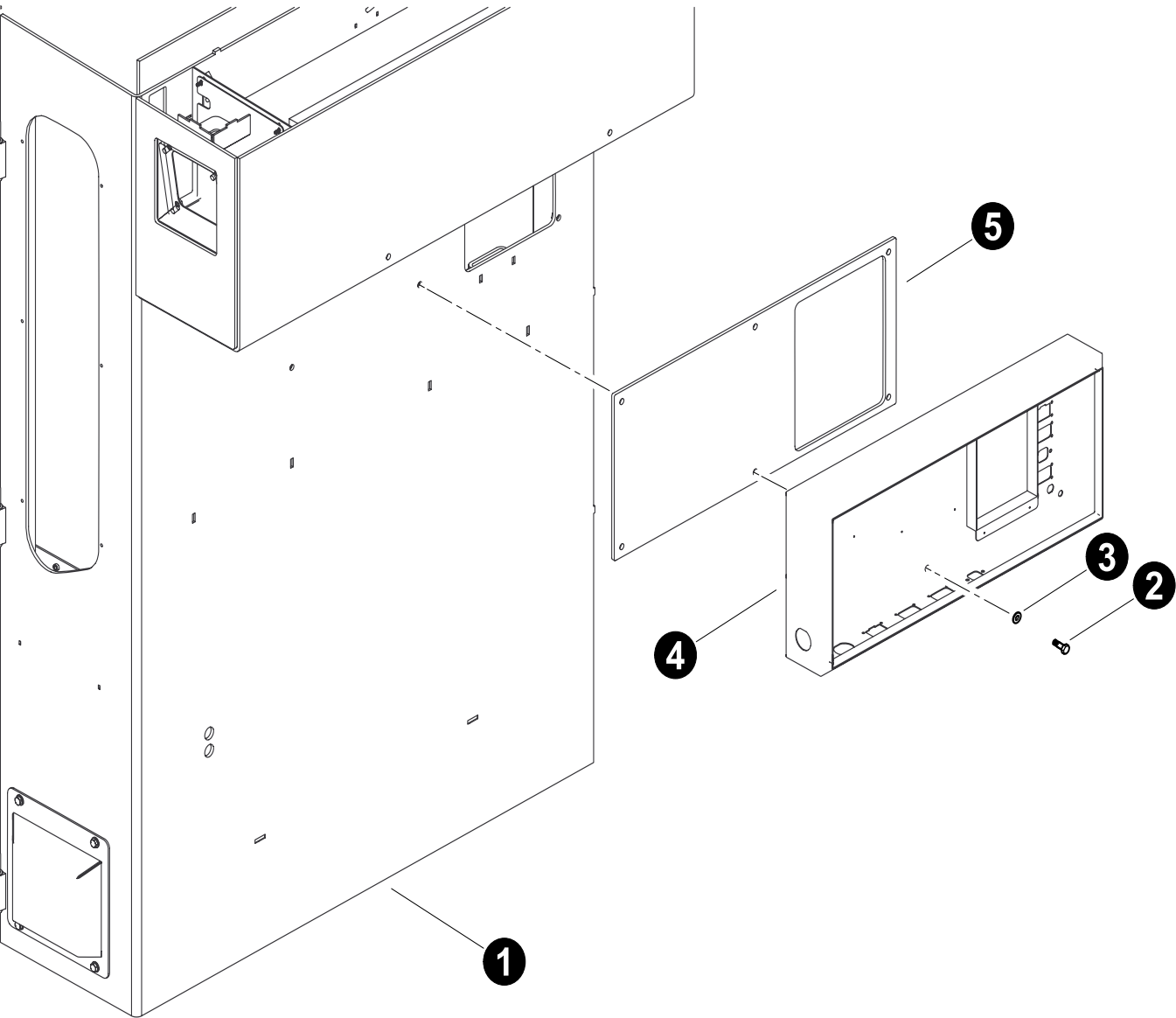
Assembly that includes all items indented below.

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Section ES-2

Electrical System - Operator's Cab

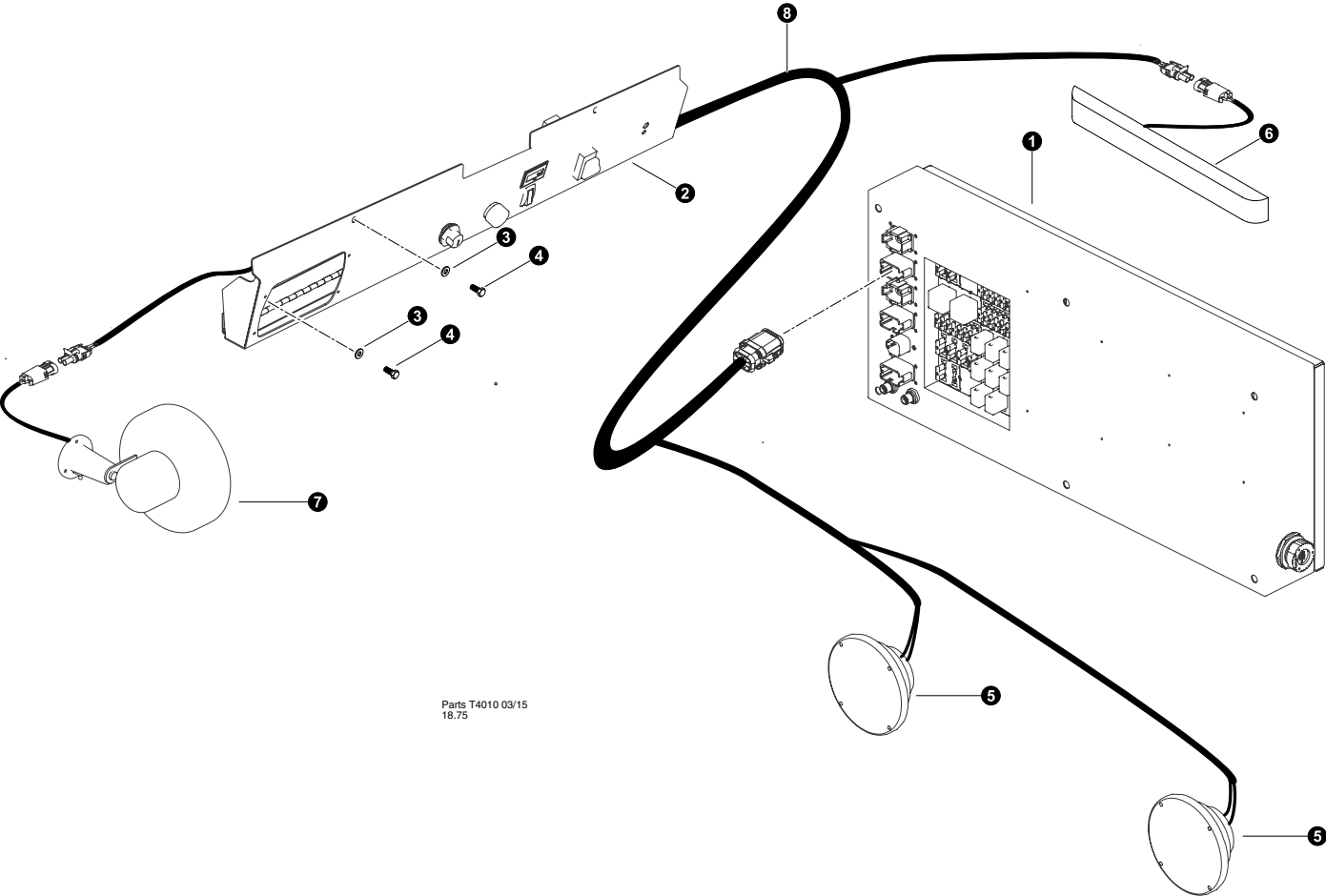


Parts T4009 03/15
18.75

MAIN ELECTRICAL CENTER INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		OPERATOR'S CAB ASSEMBLY	OC-1
2	18309-ES	5		BOLT - .25" X 1.25"	
3	10757-ES	5		WASHER, SAE FLAT - .25"	
4	REF	1		MAIN ELECTRICAL CENTER ASSEMBLY	ES-2
5	46684-ES	1		RUBBER, CAB TO ELECTRICAL BOX - C MODEL	

-  Kit or Assembly - includes all items indented underneath.
-  See referenced page for component or assembly breakdown.



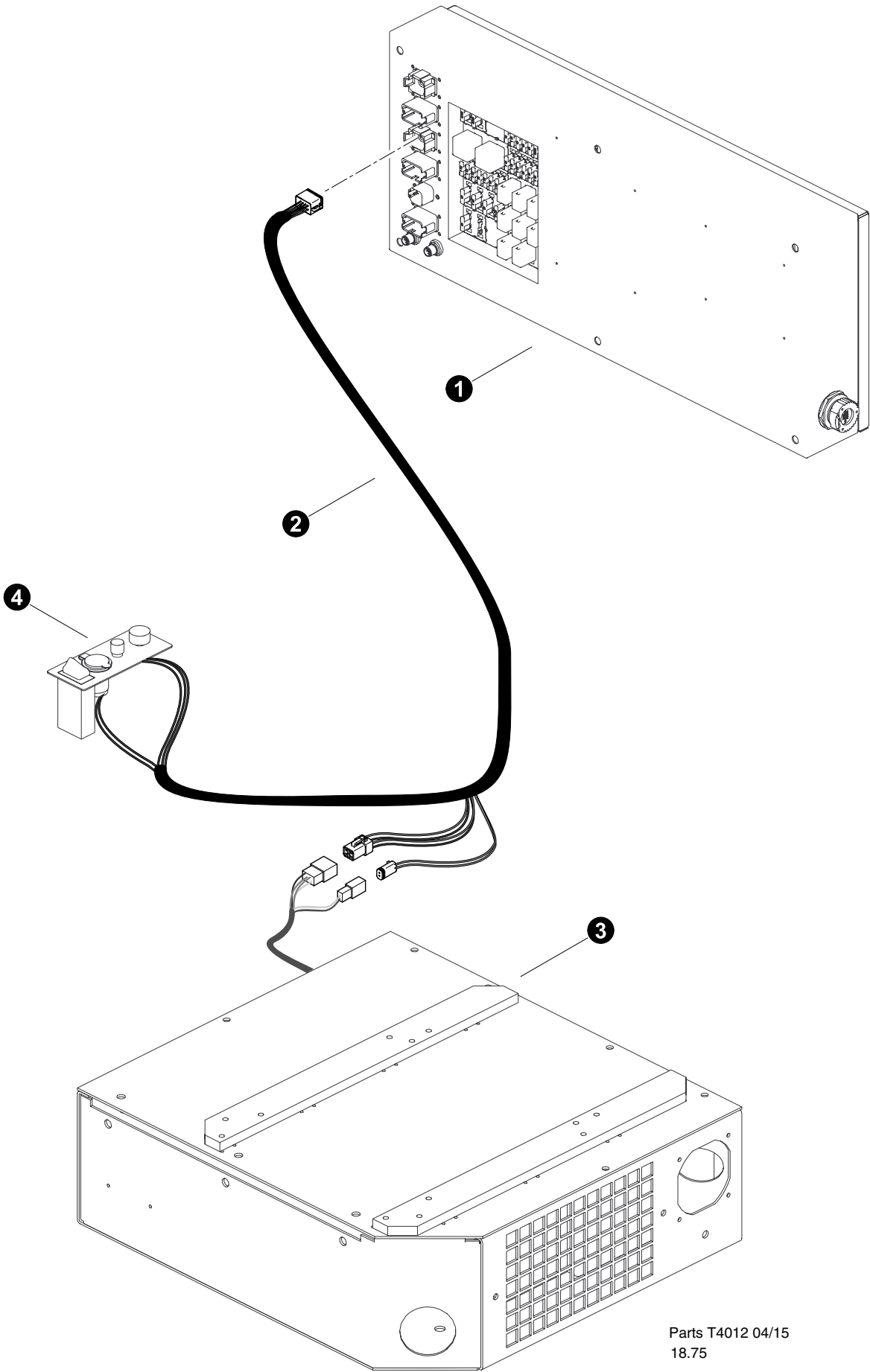
Parts T4010 03/15
18.75

UPPER DASH INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		MAIN ELECTRICAL CENTER ASSEMBLY	ES-2
2	REF	1		UPPER DASH ASSEMBLY.	ES-2
3	10757-ES	7		WASHER, SAE FLAT - .25"	
4	15604-ES	7		BOLT - .25" X .75"	
5	52639-ES	2		SPEAKER, HEAVY DUTY - ASA	
6	55092-ES	1		LIGHT, DOME - 24V LED	
7	23279-ES	1		FAN, WINDSHIELD DEFROST - 24V	
8	54500-ES	1		HARNESS, DASH C Series	

 Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.



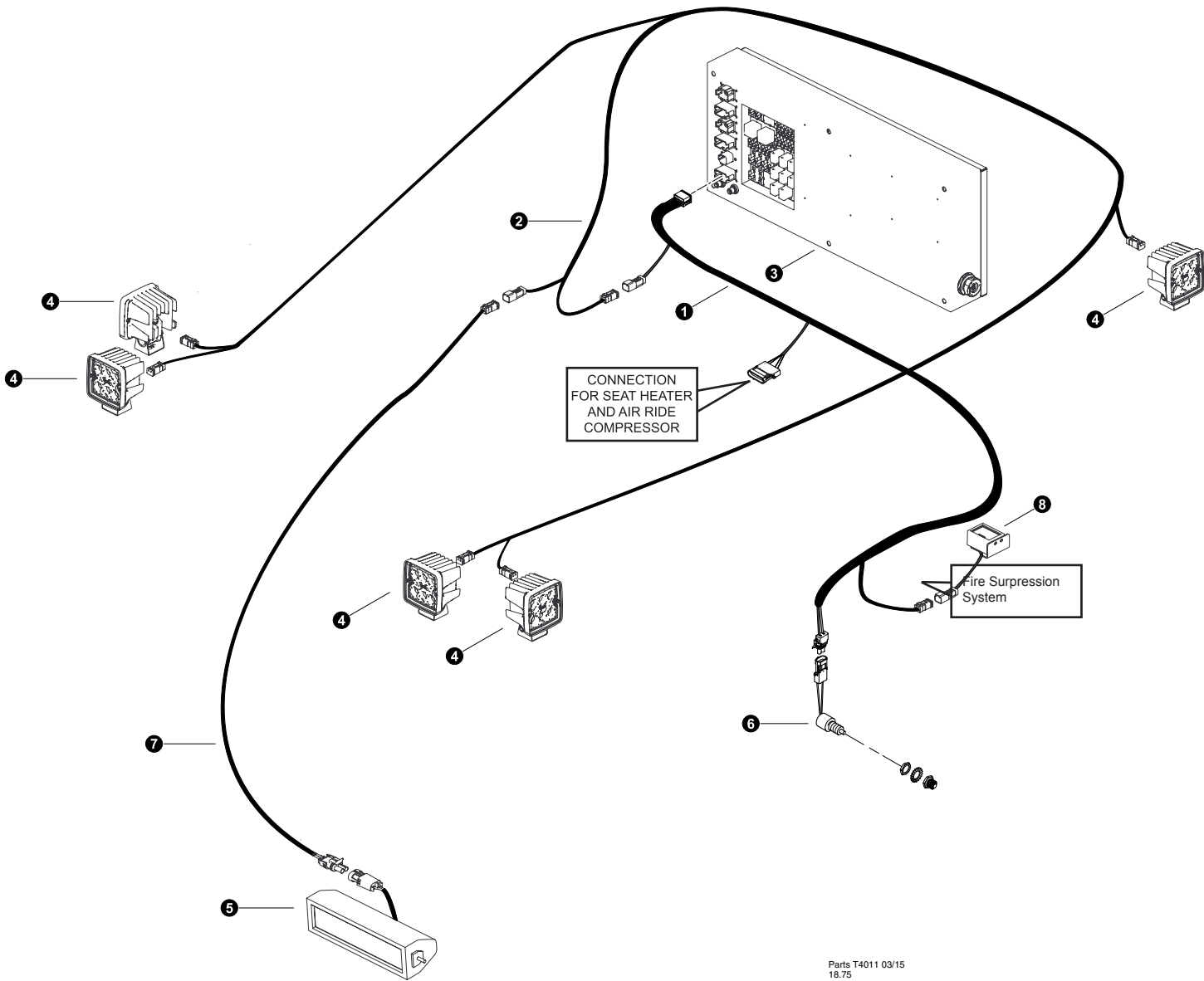
Parts T4012 04/15
18.75

A/C AND HEATER CONNECTIONS

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		MAIN ELECTRICAL CENTER ASSEMBLY	ES-2
2	54503-ES	1		HARNESS, Heater Controls	
3	REF	1		HEATER A/C UNIT ASSEMBLY	OC-2
4	REF	1		AC-Heater Control Panel	ES-2

 Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.



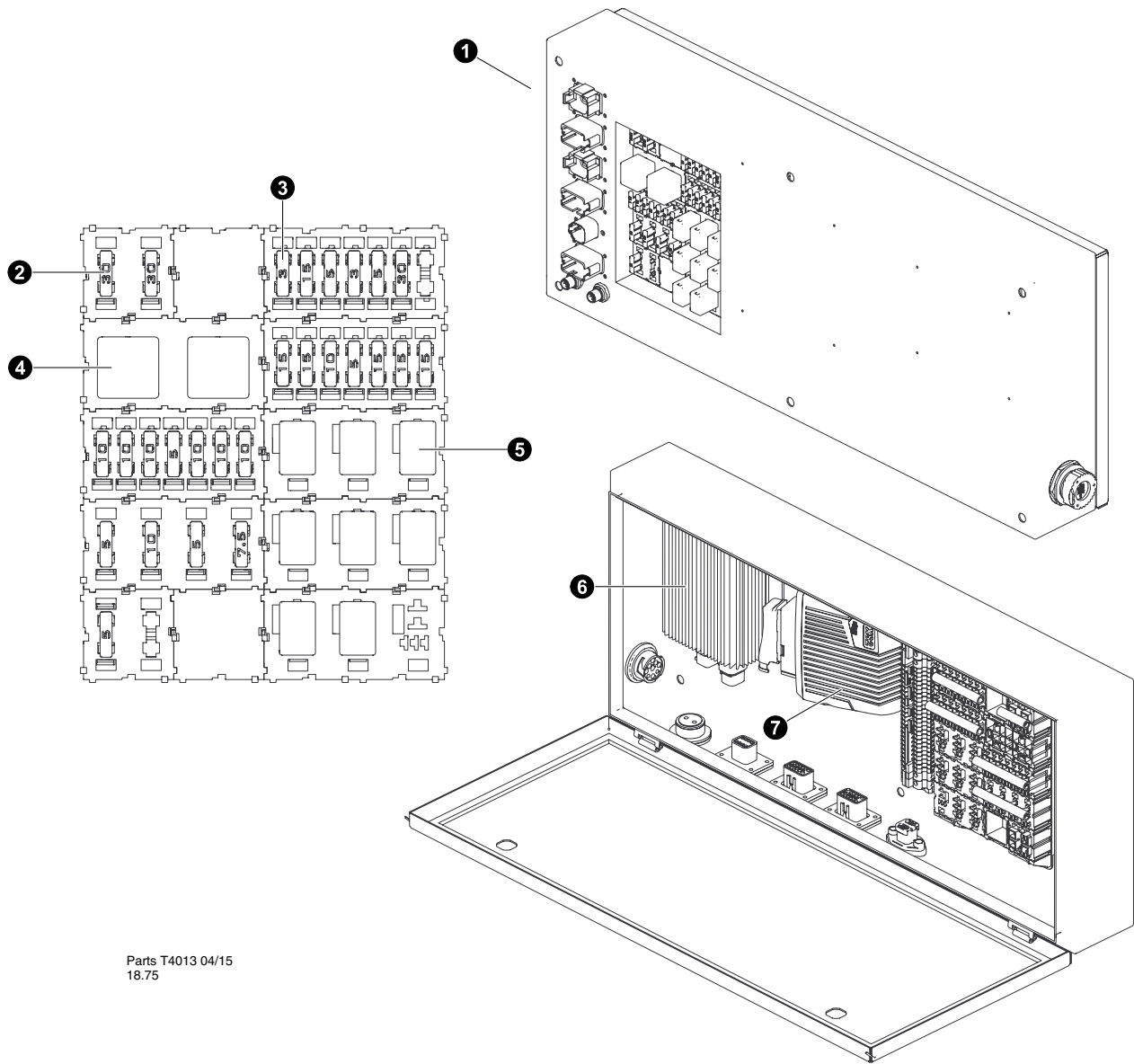
Parts T4011 03/15
18.75

OPERATOR'S CAB ELECTRICAL HARNESS (Lights and Radio)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	54501-ES	1	☐	HARNESS, CAB - LOWER	
2	NSS	1		HARNESS, CAB LIGHTS	REF
3		☐		MAIN ELECTRICAL CENTER ASSEMBLY	ES-2
4	REF	3		LIGHT ASSEMBLIES	ES-2
5	REF	3		LIGHT ASSEMBLIES	ES-2
6	25104-ES	1		SWITCH, FILL PUMP / DOOR	
7	57202-ES	1		HARNESS, CAB FRONT LOWER LIGHT	

☐ Kit or Assembly - includes all items indented underneath.

☐ See referenced page for component or assembly breakdown.



Parts T4013 04/15
18.75

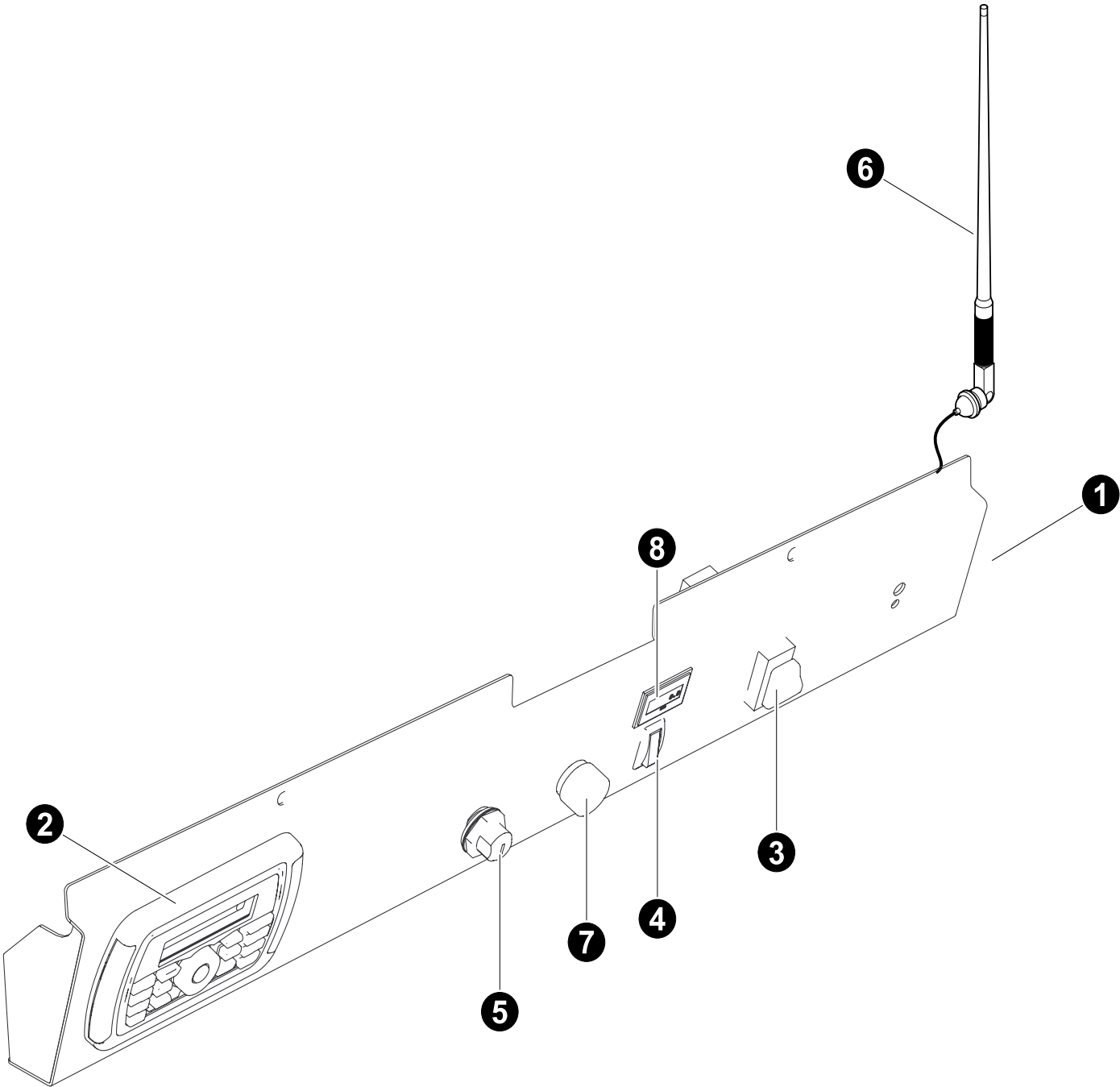
MAIN ELECTRICAL CENTER BREAKDOWN

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	55189-ES	1	□	LOAD CENTER - TIER 4F (C SERIES LH CAB)	
2	50401-ES	2		FUSE, ATO - 30 AMP (SPADE STYLE)	
3	24511-ES	2		FUSE, ATO - 3 AMP (SPADE STYLE)	
	24533-ES	7		FUSE, ATO - 5 AMP (SPADE STYLE)	
	24534-ES	1		FUSE, ATO - 7.5 AMP (SPADE STYLE)	
	24512-ES	8		FUSE, ATO - 10 AMP (SPADE STYLE)	
	50400-ES	6		FUSE, ATO - 15 AMP (SPADE STYLE)	
	50401-ES	1		FUSE, ATO - 30 AMP (SPADE STYLE)	
4	24323-ES	2		RELAY, 896H-1CH-D-24VDC (SPDT 30/50A 24VDC)	
5	53645-ES	8		RELAY, AZ988-1C-24DE-C1 (SPDT 30A 24VDC)	
6	55483-ES	1		CONVERTER, 24V TO 12V - "C" SERIES	
7	53095-ES	1		MODULE, XA2 - IQAN	

- 51753-ES 1 KIT, ELECTRICAL- FUSE/RELAY- 830/630 24V

□ Kit or Assembly - includes all items indented underneath.

📖 See referenced page for component or assembly breakdown.



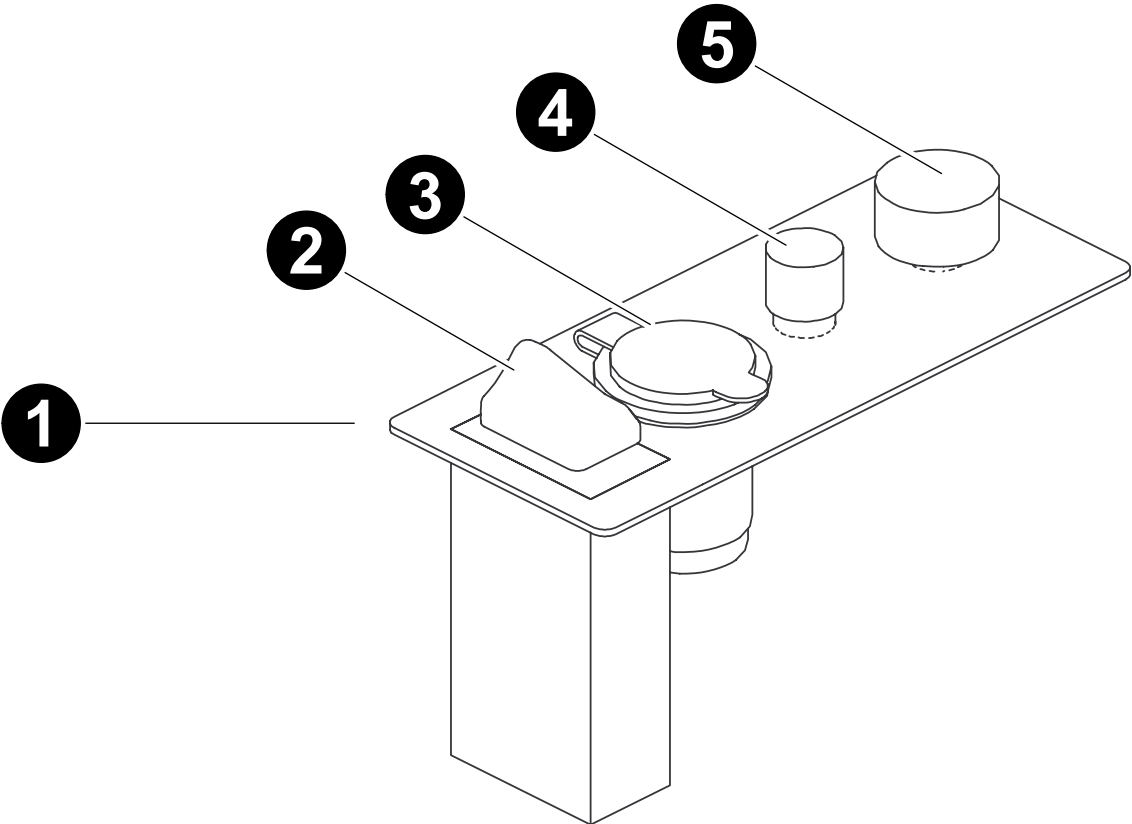
Parts T4014 04/15
18.75

UPPER DASH BREAKDOWN

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	1051874-ES	1	PANEL, DASH Left C cab	
-	REF	1	DECAL, Dash	UP-4
2	55400-ES	1	RADIO, C SERIES W/USB PORT BLUETOOTH	
3	51673-ES	1	SWITCH, VENT/ VACUUM	
4	51664-ES	1	SWITCH, LIGHT	
5	52414-ES	1	 SWITCH, IGNITION	
-	52417-ES	2	KEY, IGNITION	
6	24583-ES	1	ANTENNA, radio 1" hole	
6	51673-ES	1	SWITCH, VENT/ VACUUM	
7	53242-ES	1	SWITCH, EMERGENCY STOP	
8	15025-ES	1	GAUGE, HOURMETER	

 Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.



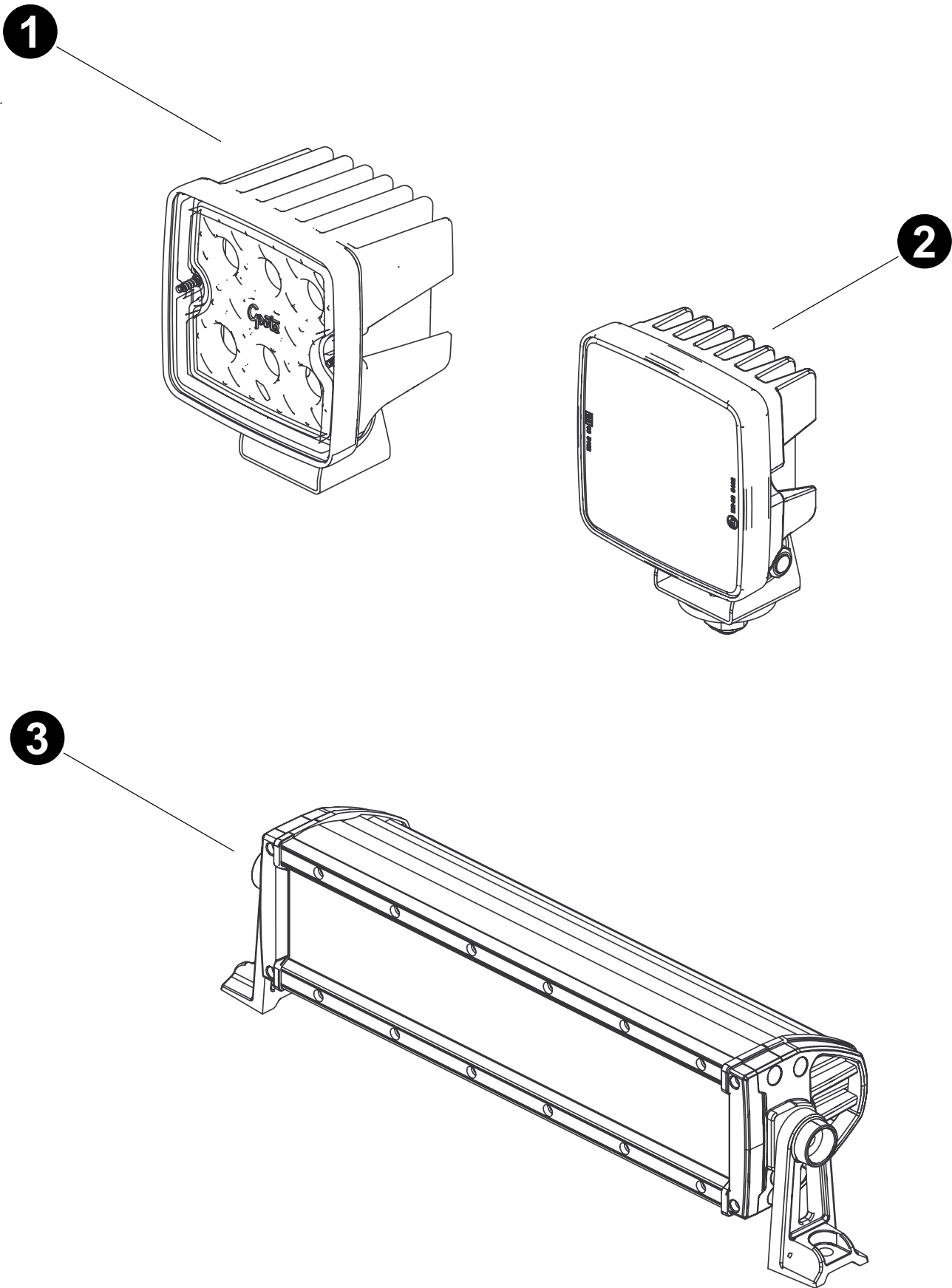
Parts T4015 04/15
18.75

UPPER DASH BREAKDOWN

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	-ES	1	DASH ASSEMBLY - HEATER - AC	
-	REF	1	DECAL, Dash HEATER AC	UP-4
2	51671-ES	1	SWITCH, AC/HEAT MODE - OTTO (1 PER)	
3	55662-ES	1	POWER, POINT - AUX - C SERIES	
4	-ES	1	CONTROL, WATER VALVE	OC-4
5	54506-ES	1	FAN SPEED CONTROL (BT1-0147)	

 Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.



Parts T4006 03/15

CAB LIGHTS BREAKDOWN

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	54670-ES	1	LIGHT, LED - C SERIES - FLOOD	
2	50999-ES	1	LIGHT, BOOM MOUNTED - LED LAMPS	
3	55550-ES	1	LIGHT, CAB - 10" LED LIGHT BAR	



See referenced page for component or assembly breakdown.



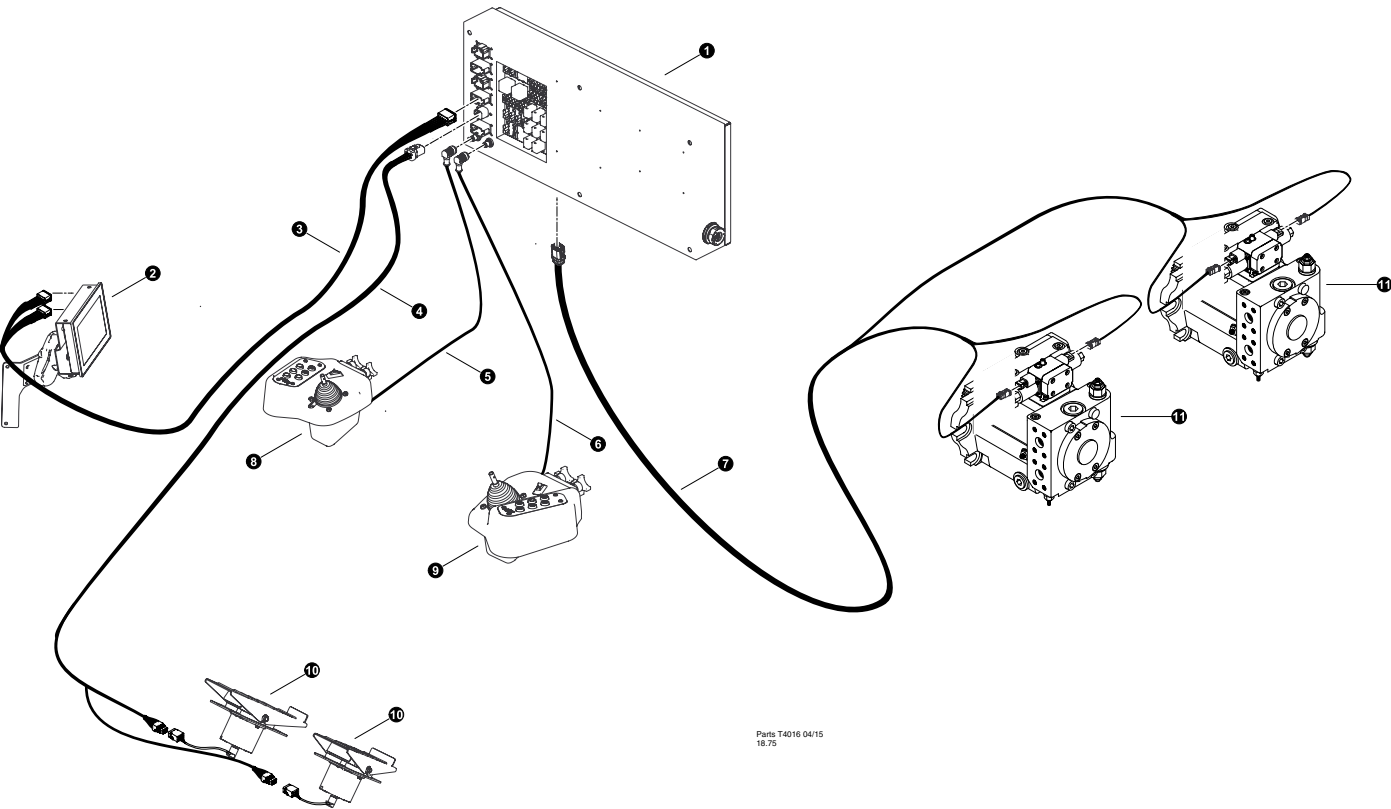
Assembly that includes all items indented below.

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Section ES-3

Electrical System - IQAN Control System

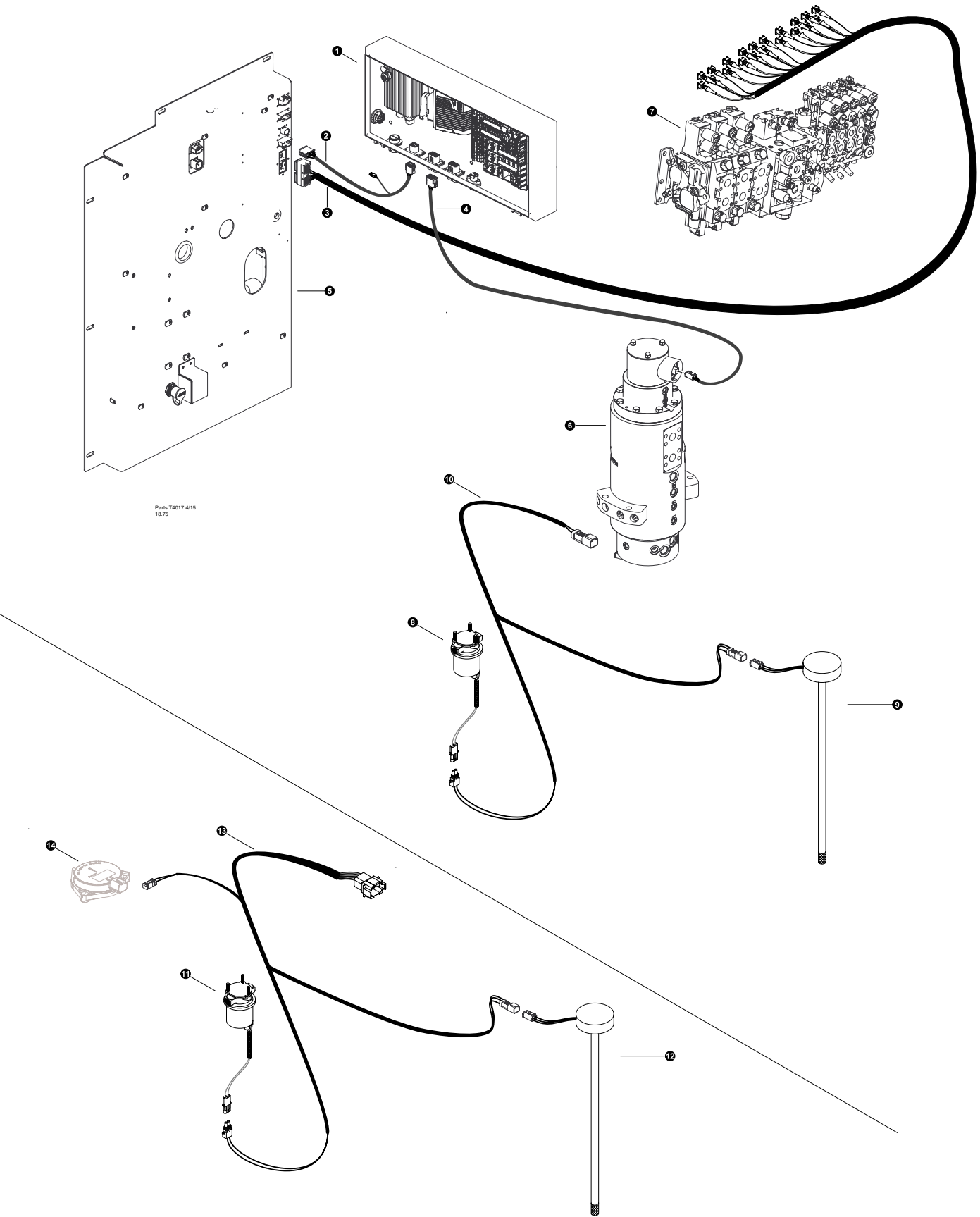


IQAN - CAB CONTROL HARNESS

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		CAB ELECTRICAL CENTER	ES-2
2	REF.	1		MDL PANEL ASSEMBLY	ES-3
3	55392-ES	1		HARNESS, MD4 to Load Center	
4	55393-ES	1		HARNESS, Drive Pedals to Load Center	
5	55420-ES	1		HARNESS, INTERCONNECT JOYSTICK POD RH	
6	55419-ES	1		HARNESS, INTERCONNECT JOYSTICK POD LH	
7	54528-ES	1		HARNESS, Hydro Pumps	
8	REF.	1		RIGHT JOYSTICK CONTROL POD	ES-3
9	REF.	1		LEFT JOYSTICK CONTROL POD	ES-3
10	REF.	1		DRIVE PEDAL CONTROL	ES-3
11	REF.	1		WHEEL DRIVE PUMP	WD-1



See referenced page for component or assembly breakdown.

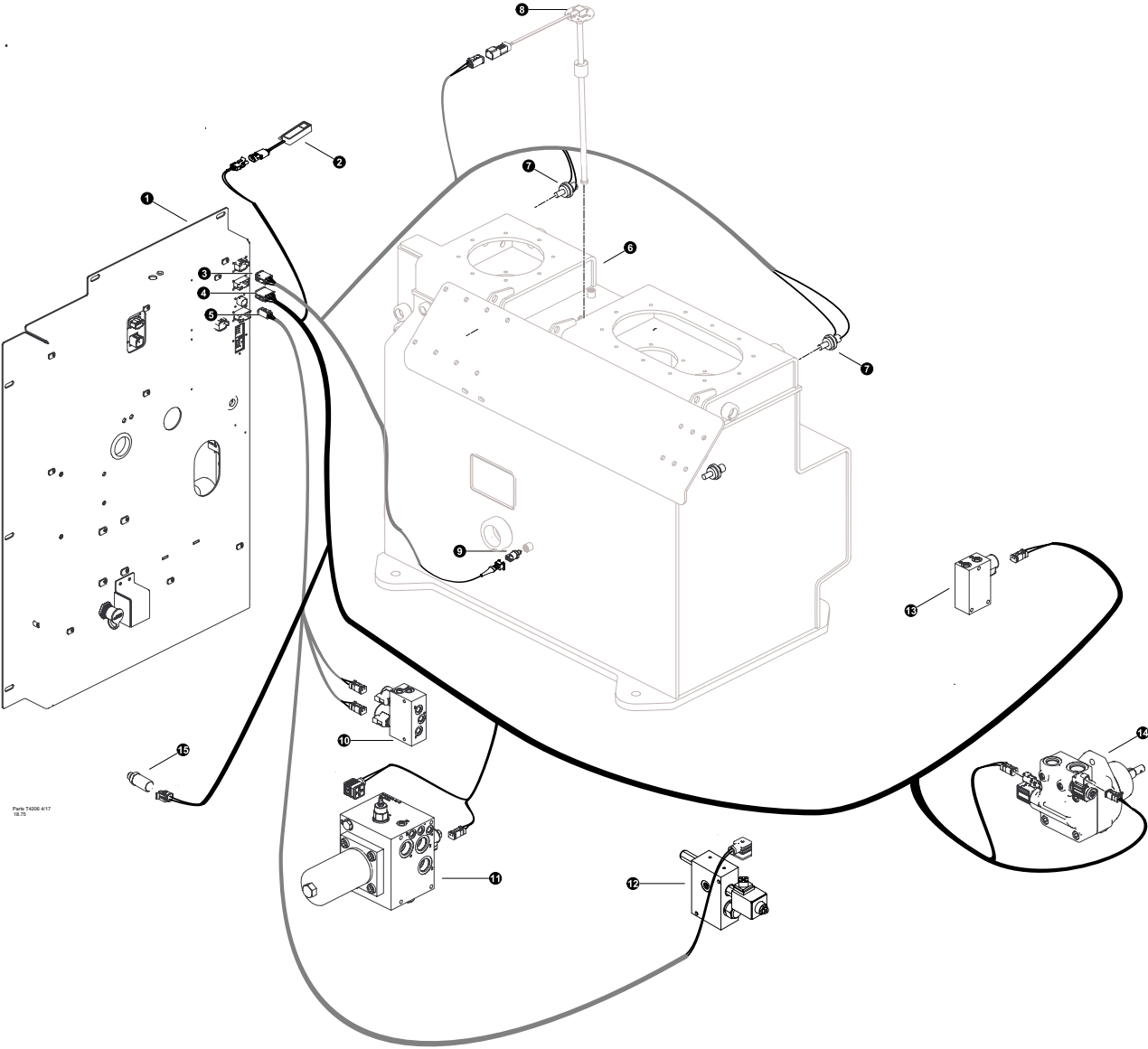


IQAN - Control Valve, XA2 Panel, and Rotary Manifold

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		CAB ELECTRICAL CENTER	ES-2
2	54527-ES	1		HARNESS, XA2 panel to Cab Load Center	
3	54524-ES	1		HARNESS, VALVE MD4	
4	54843-ES	1		HARNESS, Rotary Manifold	
5	REF	1		XA2 PANEL ASSEMBLY	ES-3
6	REF	1		ROTARY MANIFOLD	UP-1
7	REF.	1		MAIN CONTROL VALVE	LH/HH
8	21966-ES	1		PUMP, FUEL - ELECTRIC (ROTARY VANE) 12V	
9	54848-ES	1		SENSOR, FUEL LEVEL TRACK - Leveling	
	54849-ES	1		SENSOR, FUEL LEVEL TRACK - Non Leveling	
10	54366-ES	1		HARNESS, Lower Frame - TRACK MD4	
11	21966-ES	1		PUMP, FUEL - ELECTRIC (ROTARY VANE) 12V	
12	54848-ES	1		SENSOR, FUEL LEVEL TRACK - Leveling	
	54849-ES	1		SENSOR, FUEL LEVEL TRACK - Non Leveling	
13	57390-ES	1		HARNESS, Lower Frame - AUTO LEVEL	
14	55643-ES	1		SENSOR, AUTO CAB LEVEL	



See referenced page for component or assembly breakdown.

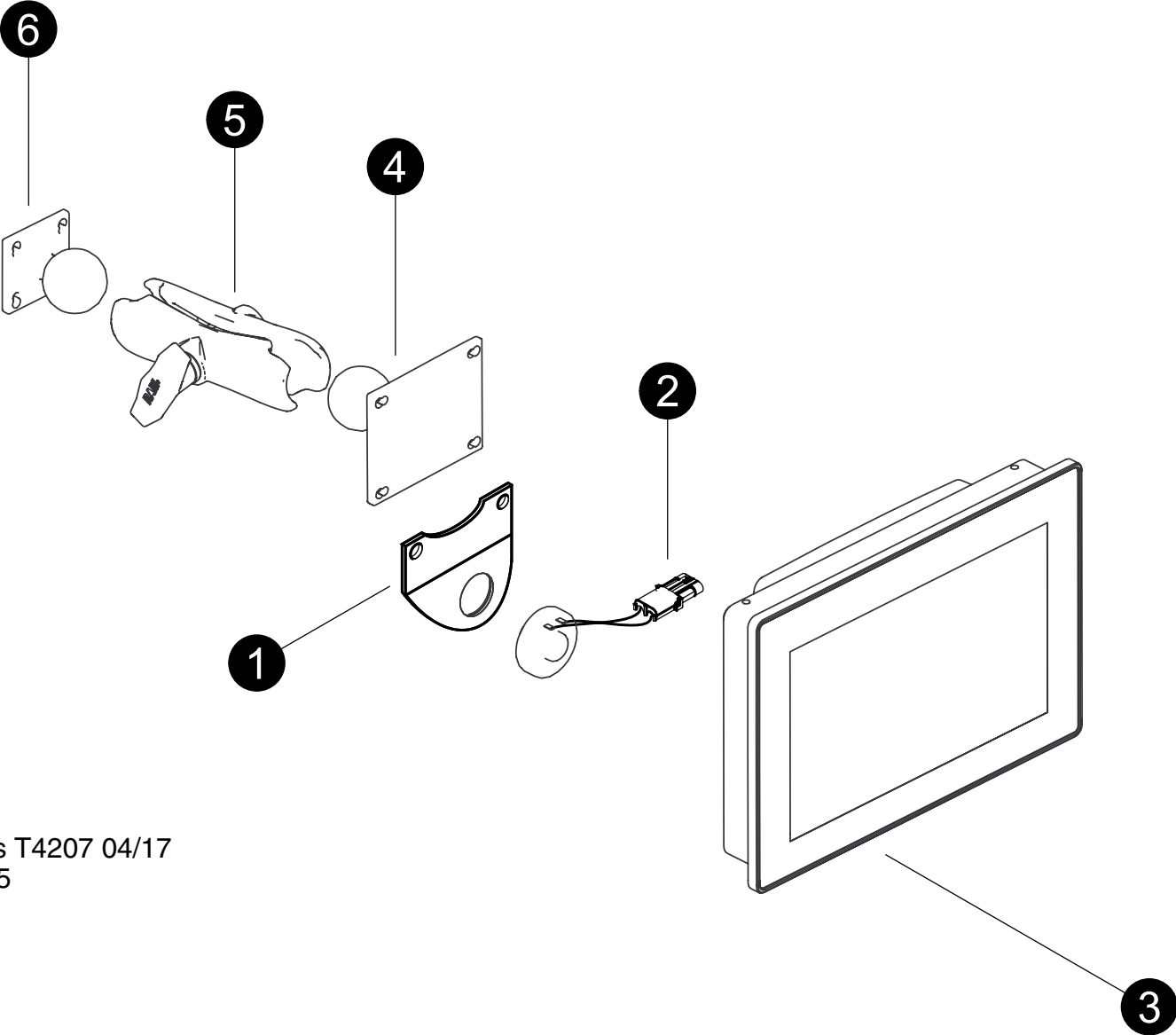


IQAN - Tank Sensors, Fan, Charge System

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	XA2 PANEL ASSEMBLY.	ES-3
2	55264-ES	1	SWITCH, LIMIT - GULLWING (MAGNETIC)	
3	57375-ES	1	HARNESS, Hydraulic Tank Sensors - 765	
4	57374-ES	1	HARNESS, Charge System and Fans - 765	
5	57377-ES	1	HARNESS, Parking Brake, Motor Shift, and Disc Saw - 765	
6	REF	1	 HYDRAULIC TANK ASSEMBLY.	UP-2
7	REF	1	 HYDRAULIC TANK ASSEMBLY - Pressure Switches	UP-2
8	REF	1	 HYDRAULIC TANK ASSEMBLY - Level Switches	UP-2
9	REF	1	 HYDRAULIC TANK ASSEMBLY - Tempature Sender	UP-2
10	REF.	1	 PARKING BRAKE/MOTOR SHIFT VALVE ASSEMBLY.	WD
11	REF.	1	 TRACK DRIVE CHARGE VALVE ASSEMBLY.	WD
12	REF.	1	 DISC SAW STOP VALVE ASSEMBLY	HH
13	REF	1	 SWING MOTOR BRAKE VALVE	LH//HH
14	REF	1	 FAN MOTOR CONTROL	UP-3
15	24532-ES	1	TRANSDUCER, DISC SAW TUBE	
16	-ES	1	 SWING BEARING GREASE VALVE	UP
17	57596-ES	1	TRANSDUCER, PRESSURE - GREASE SYSTEM	



See referenced page for component or assembly breakdown.



Parts T4207 04/17
18.75

IQAN - MD4-10 panel

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	47502-ES	1	PLATE, BEEPER MOUNT: MD4-10 SCREEN	
2	53025-ES	1	SIREN, WARNING MD4 Panel	
3	57385-ES	1	MODULE, MD4 -10: SCREEN LARGE	
-	53112-ES	1	Software, Dealer MD4 (IQAN Active Studio)	
-	55554-ES	1	CABLE, MD4 / LAPTOP for programing	
4	57393-ES	1	MOUNT, RAM - MD4 10"	
5	55451-ES	1	MOUNT, RAM - DOUBLE SOCKET ARM - C SER.	
6	55452-ES	1	MOUNT, RAM - BASE - C SERIES	



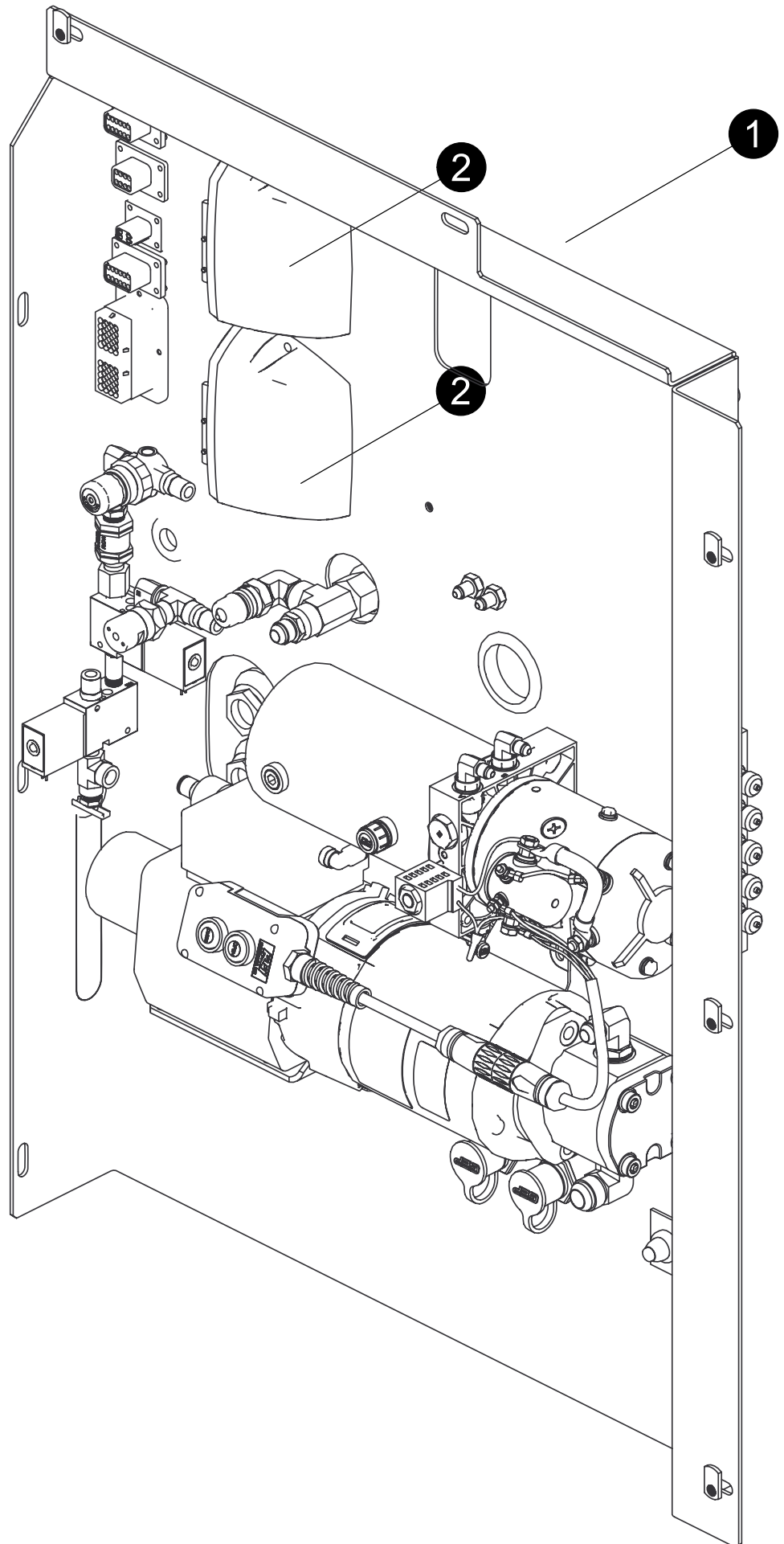
See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Included in repair kit



Parts T4020 04/15

18.75

IQAN - XA2 Panel

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	NSS	1	☐	PANEL, XA2 MD4 SYSTEM	
2	53095-ES	2		MODULE, XA2 - IQAN	



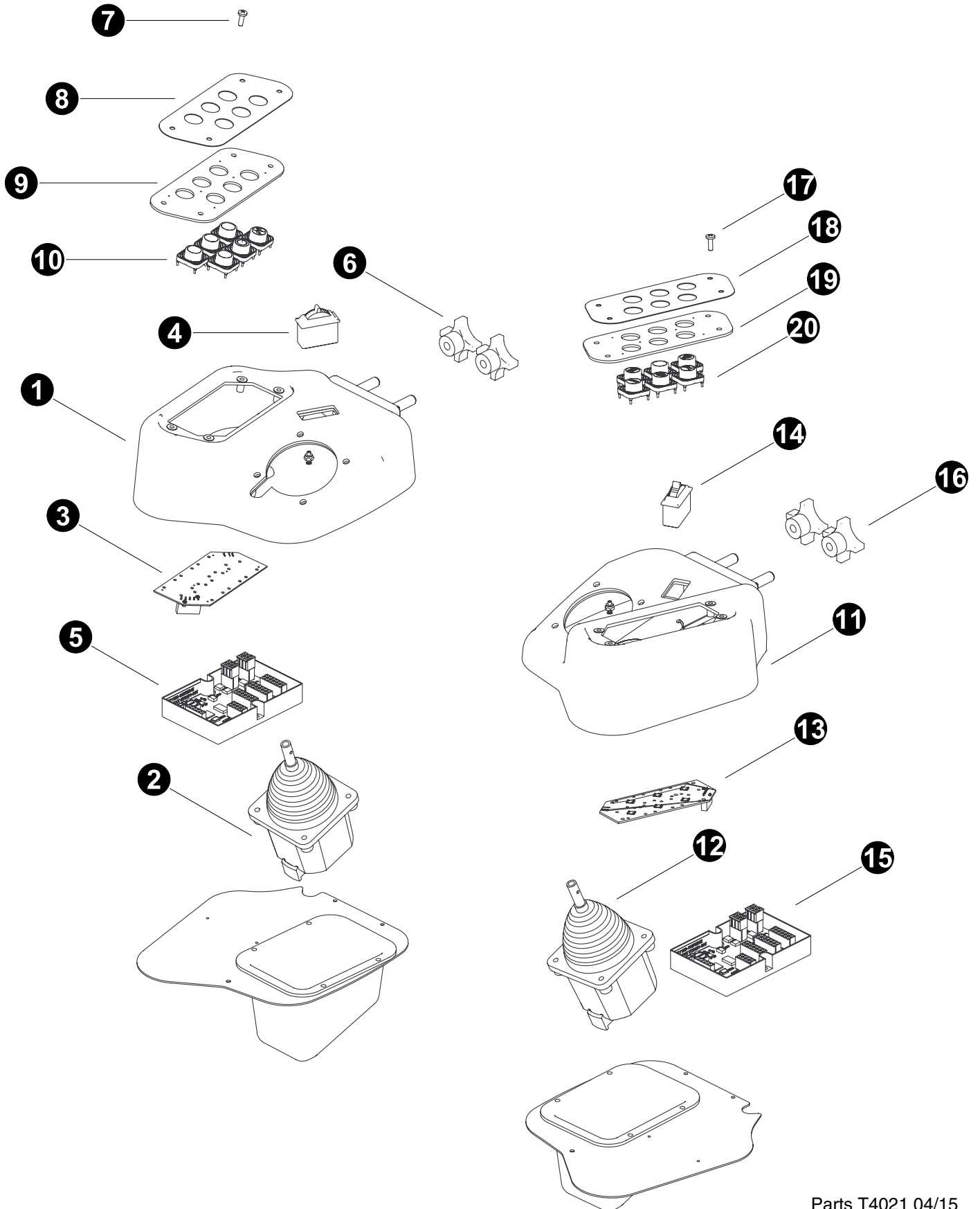
See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Included in repair kit



Parts T4021 04/15
18.75

IQAN - LEFT AND RIGHT CONTROL PODS

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	55422-ES	1	POD, JOYSTICK - RH (C-SERIES TRACK)	
2	54126-ES	1	JOYSTICK, MDL (P&G) CAN RIGHT	
3	55666-ES	1	Panel, 6-Switch RIGHT Side	
4	55703-ES	1	THUMBWHEEL - Travel Speed	
5	55707-ES	1	BOARD, CIRCUIT - POD RH C-SERIES	
6	-ES	2	KNOB, (DK-57)	
7	-ES	1	SCREW, 8-32 1/2"	
8	-ES	1	COVER, SWITCHES (M13355-227)	
9	-ES	1	SPACER, SWITCHES	
10	-ES	1	BUTTON, BLANK (M13361)	
-	-ES	1	BUTTON, DISC SAW (M13361-009)	
-	-ES	1	BUTTON, MOTOR SHIFT (M13361-010)	
11	55417-ES	1	POD, JOYSTICK - LH (C-SERIES WHEEL/TRACK)	
12	54125-ES	1	JOYSTICK, MDL (P&G) CAN LEFT	
13	55667-ES	1	Panel, 6-Switch LEFT Side	
14	55703-ES	1	THUMBWHEEL - Engine Speed	
15	55708-ES	1	BOARD, CIRCUIT - POD LH C-SERIES	
16	-ES	2	KNOB, (DK-57)	
17	-ES	1	SCREW, 8-32 1/2"	
18	-ES	1	COVER, SWITCHES (M13355-227)	
19	-ES	1	SPACER, SWITCHES	
20	-ES	1	BUTTON, BLANK (M13361)	
-	-ES	1	BUTTON, ARMING (M13361-004)	
-	-ES	1	BUTTON, CHARGE HEATER (M13361-005)	
-	-ES	1	BUTTON, PARKING BRAKE (M13361-003)	
-	-ES	1	BUTTON, HORN (M13361-006)	
-	-ES	1	BUTTON, AUTO THROTTLE (M13361-007)	



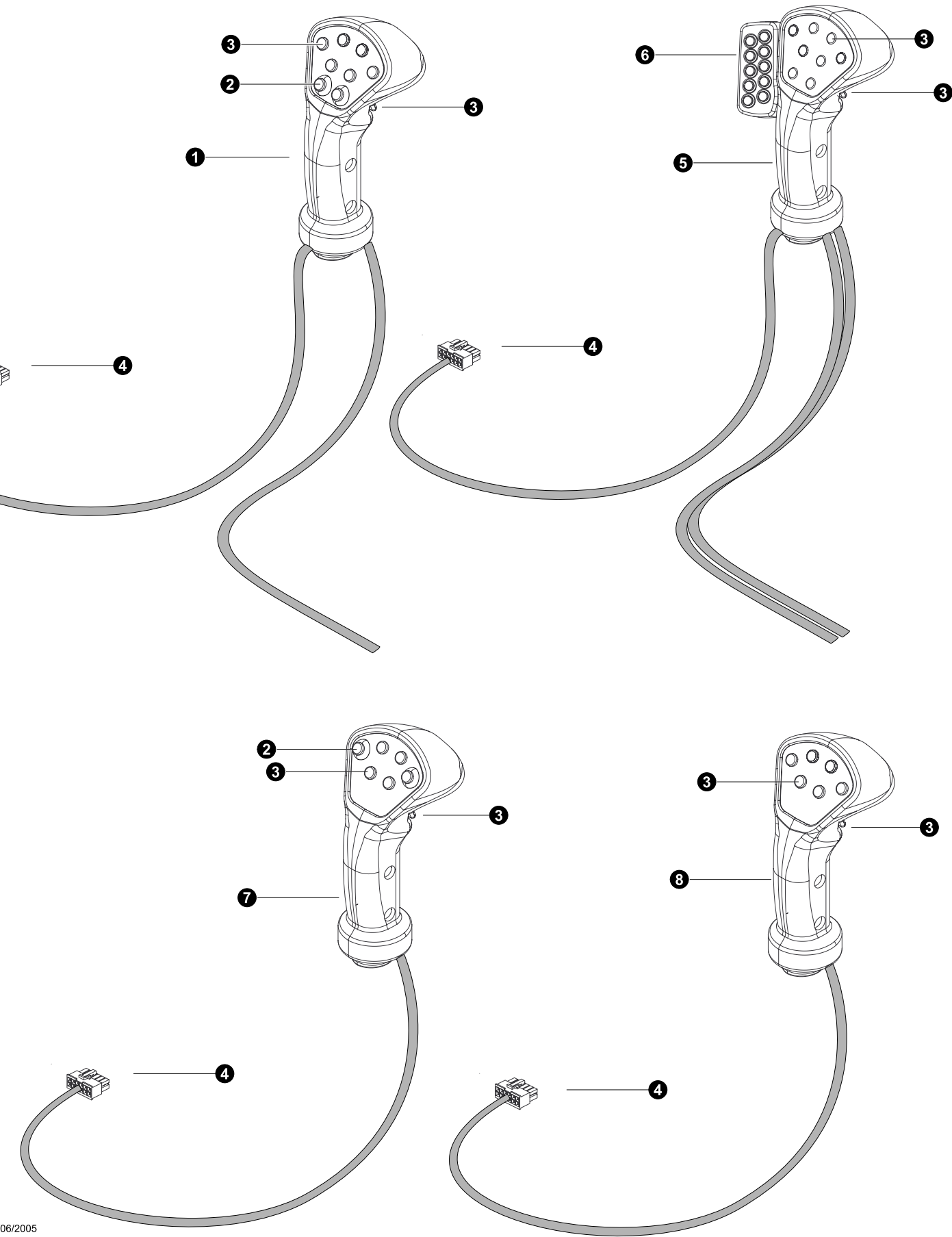
See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Included in repair kit



06/2005

HANDCONTROL BREAKDOWN

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	51567-ES	1	HAND CONTROL, SURE GRIP - LH (LOGMAX)	
2	51947-ES	2	SWITCH, PUSH BUTTON REPAIR KIT (PROPORTIONAL)	
-	52094-ES	2	KIT, REPAIR - PROPORTIONAL BUTTON COVER	
3	20961-ES	8	SWITCH, PUSH BUTTON (DIGITAL)	
4	-ES	1	CONNECTOR, PLUG - 12 PIN MOLEX (039012120)	
5	51566-ES	1	HAND CONTROL, SURE GRIP - RH W/KEYPAD (LOGMAX)	
6	52095-ES	10	SWITCH, PUSH BUTTON (SURE GRIP KEYPAD)	
7	55656-ES	1	HAND CONTROL, UPPER - SURE GRIP - Digital and Proportional	
8	55655-ES	1	HAND CONTROL, UPPER - SURE GRIP - Digital Buttons Only	



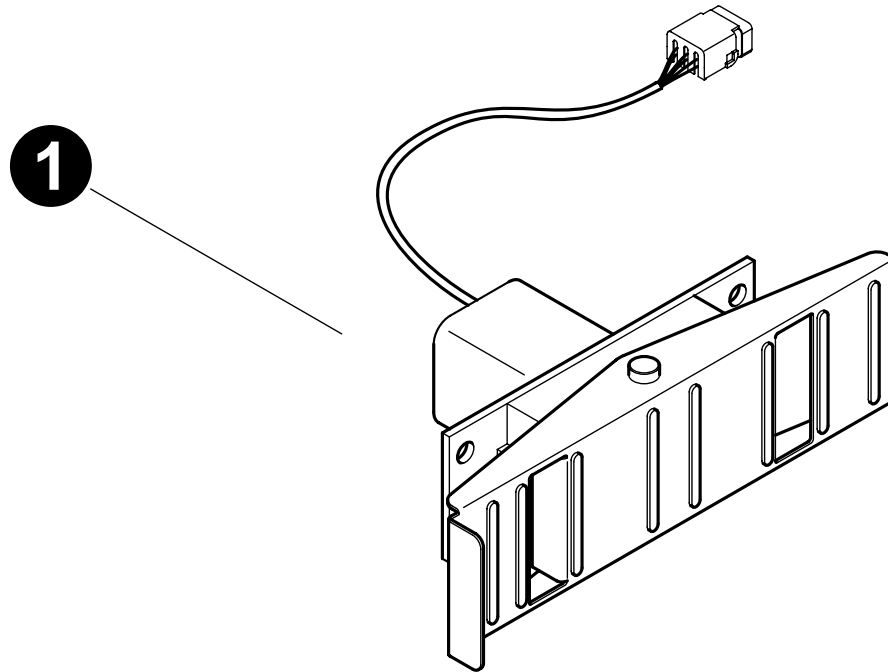
See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Included in repair kit



Parts T3176 07/06/2005
50.00

TRACK DRIVE CONTROL PEDAL

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	51491-ES	2	PEDAL, FOOT CONTROL - DUAL AXIS , OTTO CONTROLS (SEALED)	

Disassembly of these components is not recommended.

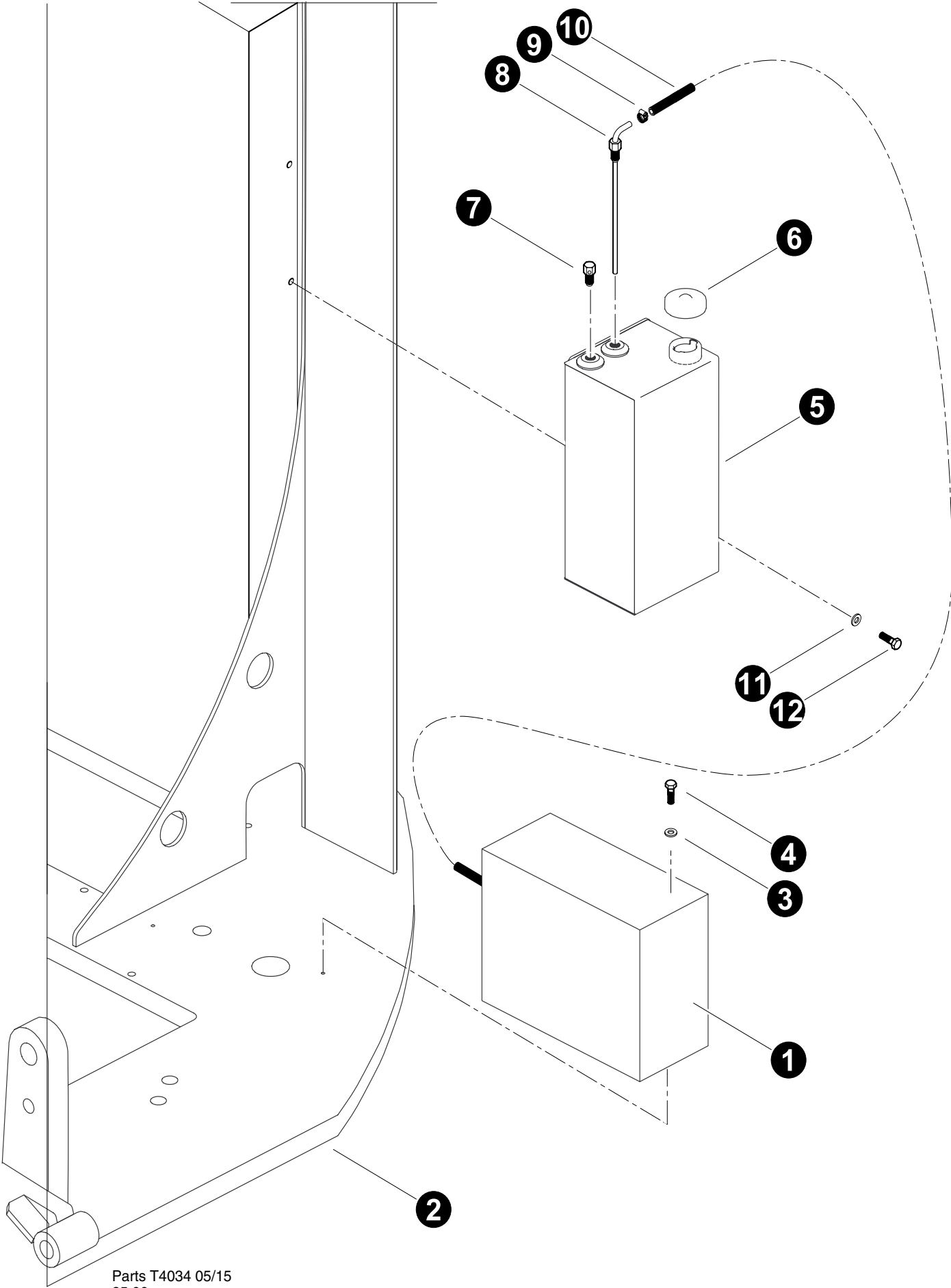


See referenced page for component or assembly breakdown.

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Section OH-1

Optional Heaters- Espar Heater Installation



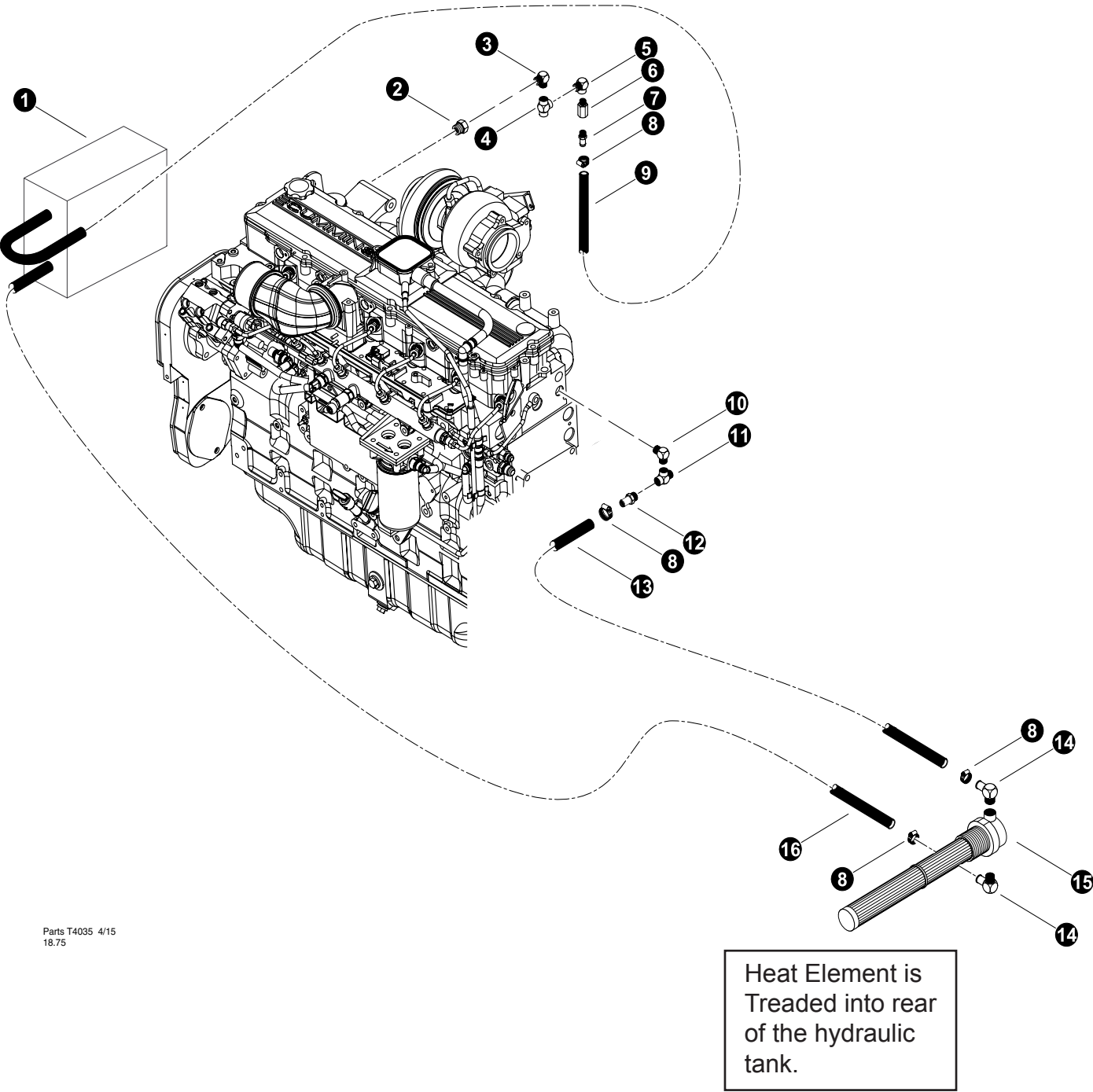
Parts T4034 05/15
25.00

Espar Heater (Heater Installation)

REF	PART #	QTY		DESCRIPTION
1	REF	1		ESPAR PRE-HEATER SYSTEM OH-2
2	REF	1		UPPER TURNTABLE UP-1
3	10757-OH	2		WASHER, SAE FLAT - .25"
4	15604-OH	2		BOLT - .25" X .75"
5	46673-OH	1		TANK, ESPAR FUEL - C SERIES
6	52965-OH	1		CAP, ESPAR FUEL TANK
7	22906-OH	1		BEATHER, fuel vent
8	-OH	1		SUCTION TUBE, ESPAR FUEL TANK
9	10759-OH	1		CLAMP, HOSE - WORM STYLE - .875"
10	-OH			HOSE, ESPAR

 Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.



Parts T4035 4/15
18.75

Espar Heater (Heater Installation) Cummins QSC 8.3L

REF	PART #	QTY		DESCRIPTION
1	REF	1		ESPAR PRE-HEATER SYSTEM OH-2
2	15513-OH	1		BUSHING, REDUCER - 5406-12-8
3	52785-OH	1		ELBOW, MALE PIPE - 3/4 X 1/2 CR-S
4	16125-OH	1		TEE, BLACK - .5"
5	52786-OH	2		ELBOW, 1/2" X 3/8" CD-S
6	15652-OH	2		VALVE, CHECK
7	51502-OH	1		NIPPLE, KING - .38NPT X .63 HOSE
8	16256-OH	8		CLAMP, hose - worm style - 7/8"
9	52035-OH	33"		HOSE, HEATER - (BULK ROLL) .625" X 250'
10	52785-OH	1		ELBOW, MALE PIPE - 3/4 X 1/2 CR-S
11	51879-OH	1		TEE, RUN - .5" (1/2 MR0-S)
12	51774-OH	1		NIPPLE, KING - 1/2" NPT X 5/8" HOSE
13	16717-OH	33"		HOSE, HEATER - (BULK ROLL) .625" X 250' - 61"
14	51974-OH	2		ELBOW, 90 - 4501-10-12
15	51614-OH	1		HEATER, element - Artic Fox
16	16717-OH	33"		HOSE, HEATER - (BULK ROLL) .625" X 250' - 94"



Bulk material - order length required in feet or meters.



Kit or Assembly - includes all items indented underneath.

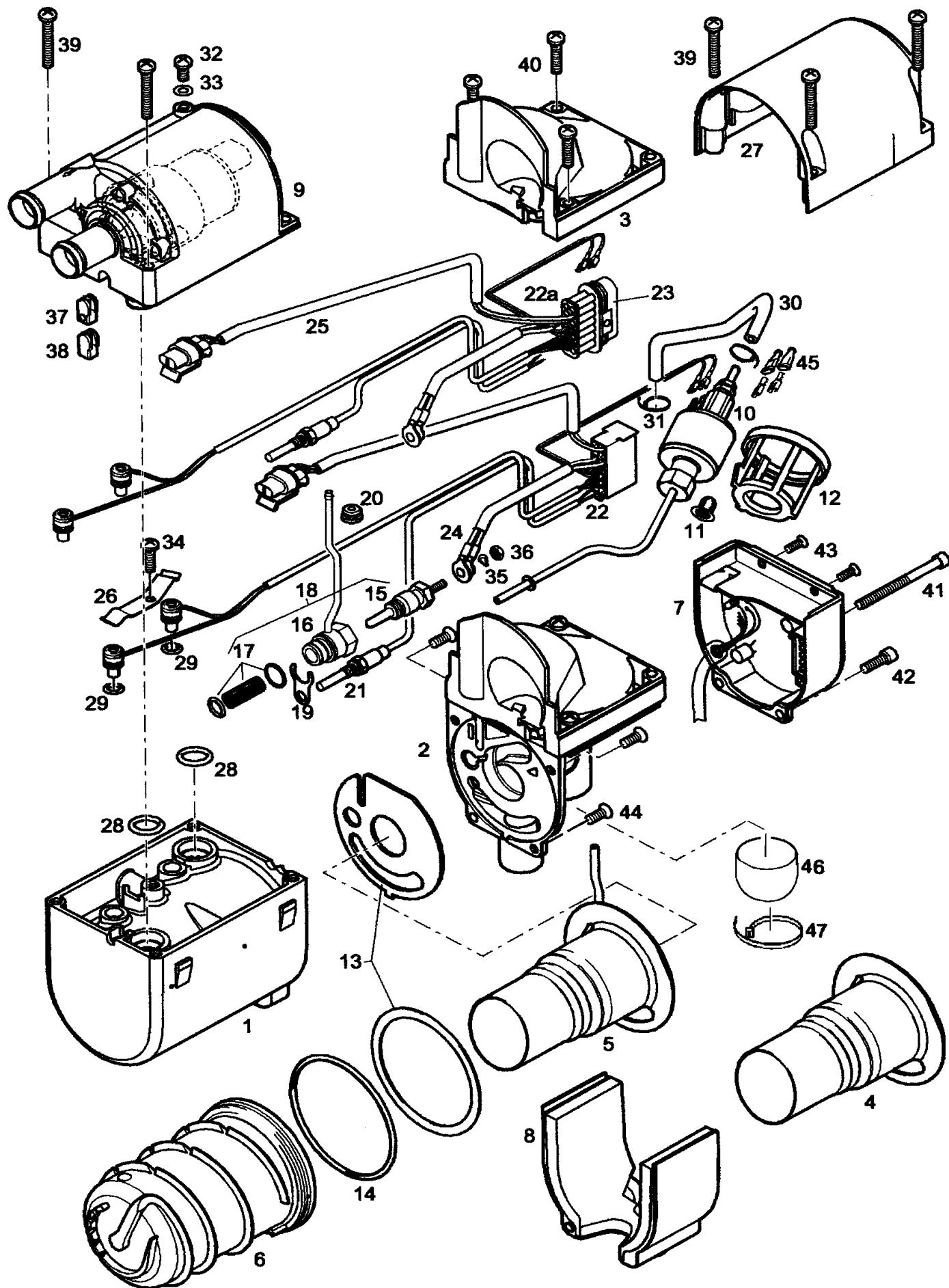


See referenced page for component or assembly breakdown.

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Section OH-2

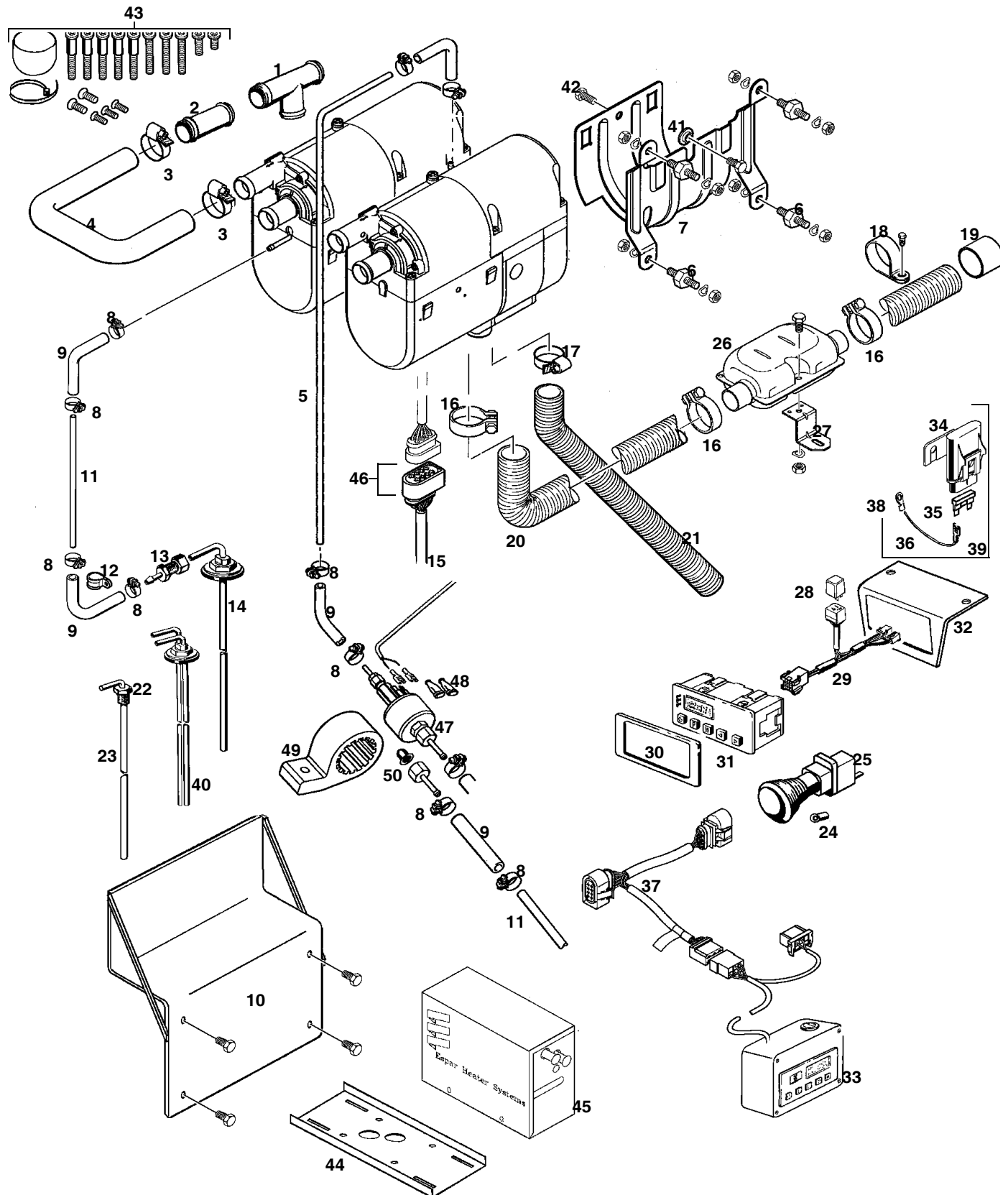
Optional Heaters- Espar Parts Breakdown



Espar hydronic - Pre Heater (heater breakdown)

REF	PART #	QTY	DESCRIPTION
-	51578-OH	1	☐ KIT, PREHEATER - ESPAR (24V)
1		1	OUTER CASING (251922010101)
2		1	CUMBUSTION AIR BLOWER with COVER (252146991500) .
3		1	COVER (252137010002)
4		1	BURNER
5		1	BURNER (252146100000)
6		1	HEAT EXCHANGER (251922060001)
7		1	CONTROL UNIT (225202001003)
8		1	COVER
9		1	WATER PUMP (252118250000)
10		1	FUEL METERING PUMP (251942450000)
11		1	STRAINER
12		1	PUMP HOLDER (251864990021)
13		1	SEAL & GASKET (251864990021)
14		1	O-RING (32075104)
15		1	GLOW PIN (252107011000)
16		1	GLOW PIN CONNECTION
17		1	LINING AND 2 O-RINGS
18		1	PLUG CONNECTION COMPLETE (252147011300)
19		1	HOLDER (201752010004)
20		1	SLEEVE (201752010002)
21		1	FLAME SENSOR (251920350000)
22		1	OVERHEAT & TEMP SENSORS \ CABLE & CONNECTORS (252147012000)
23		1	CONTROL UNIT PLUG - COMPLETE (221000301010)
24		1	CABLE SECTION, GLOW PLUG (251920011800)
25		1	CABLE, WATER PUMP (201753011800)
26		1	SPRING LEAF (251922010005)
27		1	COVER FUEL METERING PUMP (251917010003)
28		1	ORING (32075119)
29		1	ORING, SENSOR (32075111)
30		1	FUEL HOSE (251917010011)
31		1	HOSE CLIP (20931071)
32		1	BLEED SCREW (251917250012)
33		1	BLEED SCREW WASHER
34		1	TAPITE SCREW (10910104)
35		1	SPRING WASHER (17122112)
36		1	NUT (11010024)
37		1	SLEEVE (251917010005)
38		1	GROMMET
39		1	BOLT M5X35 (10910027)
40		1	BOLT M5X25 (10910102)
41		1	BOLT (10010300)
42		1	BOLT M5X16 (10910101)
43		1	SCREW M4X10 (10910100)
44		1	SCREW (10210400)
45		1	BOOT (32031120)
46		1	DUST COVER (CA000073)

☐ Kit or Assembly - includes all items indented underneath.



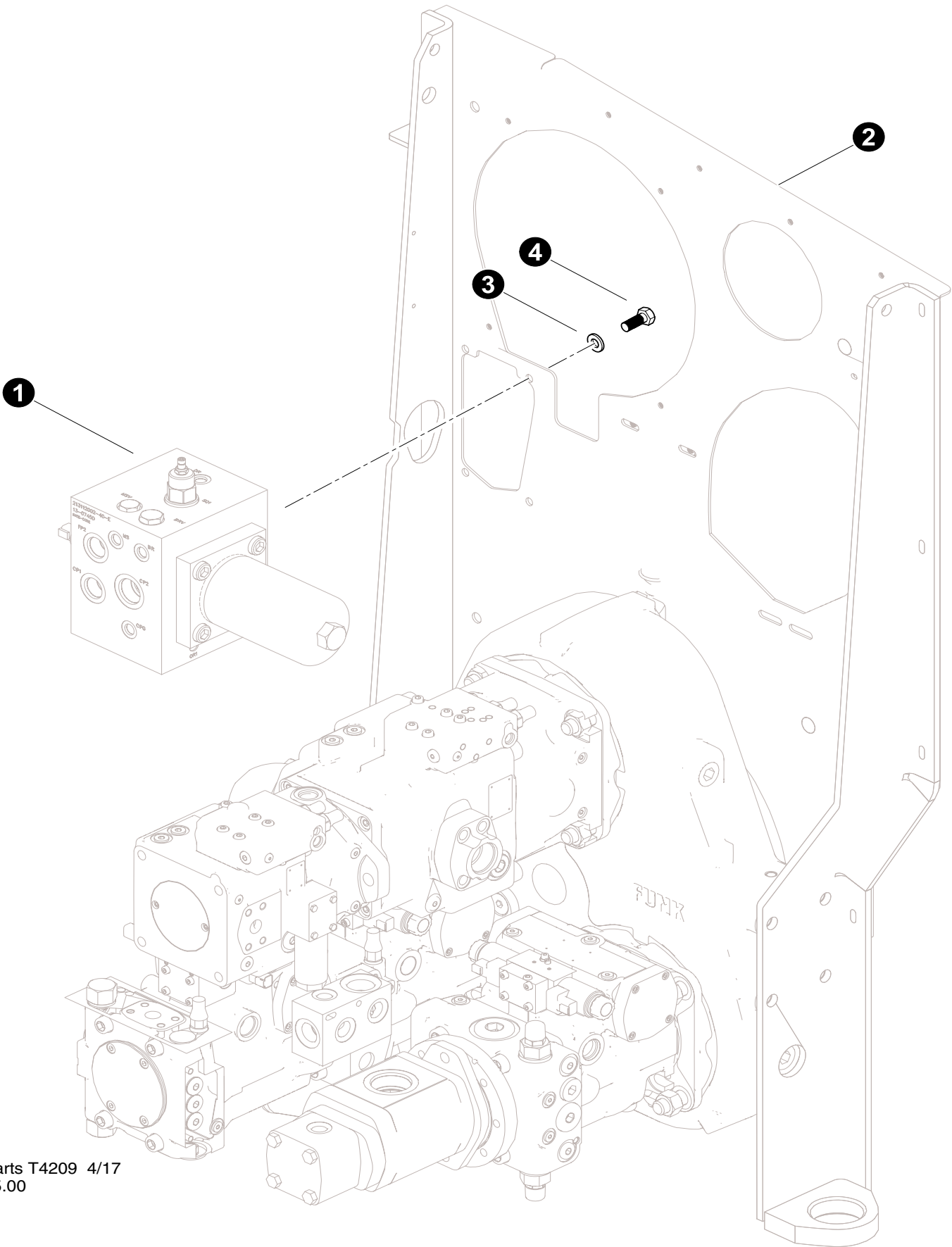
Espar hydronic - Pre Heater (heater breakdown)

REF	PART #	QTY	DESCRIPTION
-	51578-OH	1	☐ KIT, PREHEATER - ESPAR (24V
1		1	T-PIECE 20MM (201673801100)
2		1	CONNECTING PIPE (201534880001)
3		1	CLAMP 20MM-32MM (102065020032)
4		1	HOSE (251917800001)
5		1	1.5M PLASTIC FUEL LINE (09031118)
6		1	MOUNT (201185000001)
7		1	HEATER BRACKET (251864800001)
8		1	HOSE CLAMP 9 MM (102063009098)
9		1	HOSE, FUEL (36075300)
10		1	BRACKET (CA010085)
11		1	FUEL LINE 2MM (09031117)
12		1	CLAMP, PIPE 10MM (15200147)
13		1	FUEL PIPE REDUCER (CA012092)
14		1	FUEL PICK UP (CA012056)
15		1	MAIN HEATER HARNESS (CA160502-001)
16		1	EXHAUST CLAMP 27-30MM (15261102)
17		1	INTAKE HOSE CLAMP102064016025)
18		1	C CLAMP 28MM (15210051)
19		1	EXHAUST SLEEVE (251729800600)
20		1	EXHAUST HOSE (36061299)
21		1	INTAKE HOSE (36000099)
22		1	COMPRESSION FITTING
23		1	STRAIT PICKUP TUBE
24		1	BULB 24V (20700006)
25		1	SWITCH 24V (CA100004)
26		1	MUFFLER (251864810100)
27		1	CLAMP (201533880007)
28		1	RELAY 24V (20300092)
29		1	HARNESS ADAPTER, TIMER (CA160008001)
30		1	BEZEL, TIMER (251482700700)
31		1	TIMER, 7 DAY (221000303600) KIT W/HARNESS (CA100136)
32		1	BRACKET, TIMER (CA010061)
33		1	FAULT CODE DEVICE (CA105020)
34		1	MAIN FUSE HOLDER (CA107001)
35		1	FUSE (CA107005)
36		1	WIRE, RED (CA161908)
37		1	HARNESS, FAULT CODE (CA105028)
38		1	TERMINAL 3/8" (CA190014)
39		1	FUSE LINK HARNESS (CA165108)
40		1	DOUBLE PICKUP (CA012057001)
41		1	SPACER (251864800002)
42		1	SCREW (CA300103)
43		1	REPLACEMENT HARDWARE KIT (CA100190)
44		1	BRACKET, FRAME MOUNT (CA010028)
45		1	BOX, BASE (CA010101) LID (CA010102)
46		1	PLUG CABLES - COMPLETE (221000301021)
47		1	FUEL PUMP 24V (221000500300)
48		1	BOOT SLEEVE (32031120)
49		1	FUEL PUMP HOLDER (221000500300)
50		1	FILTER, FUEL (224502000100)

[illegible]

Section DH-1

Drive Hydraulics - Charge Pressure Circuit



Parts T4209 4/17
25.00

CHARGE FILTER MANIFOLD INSTALLATION

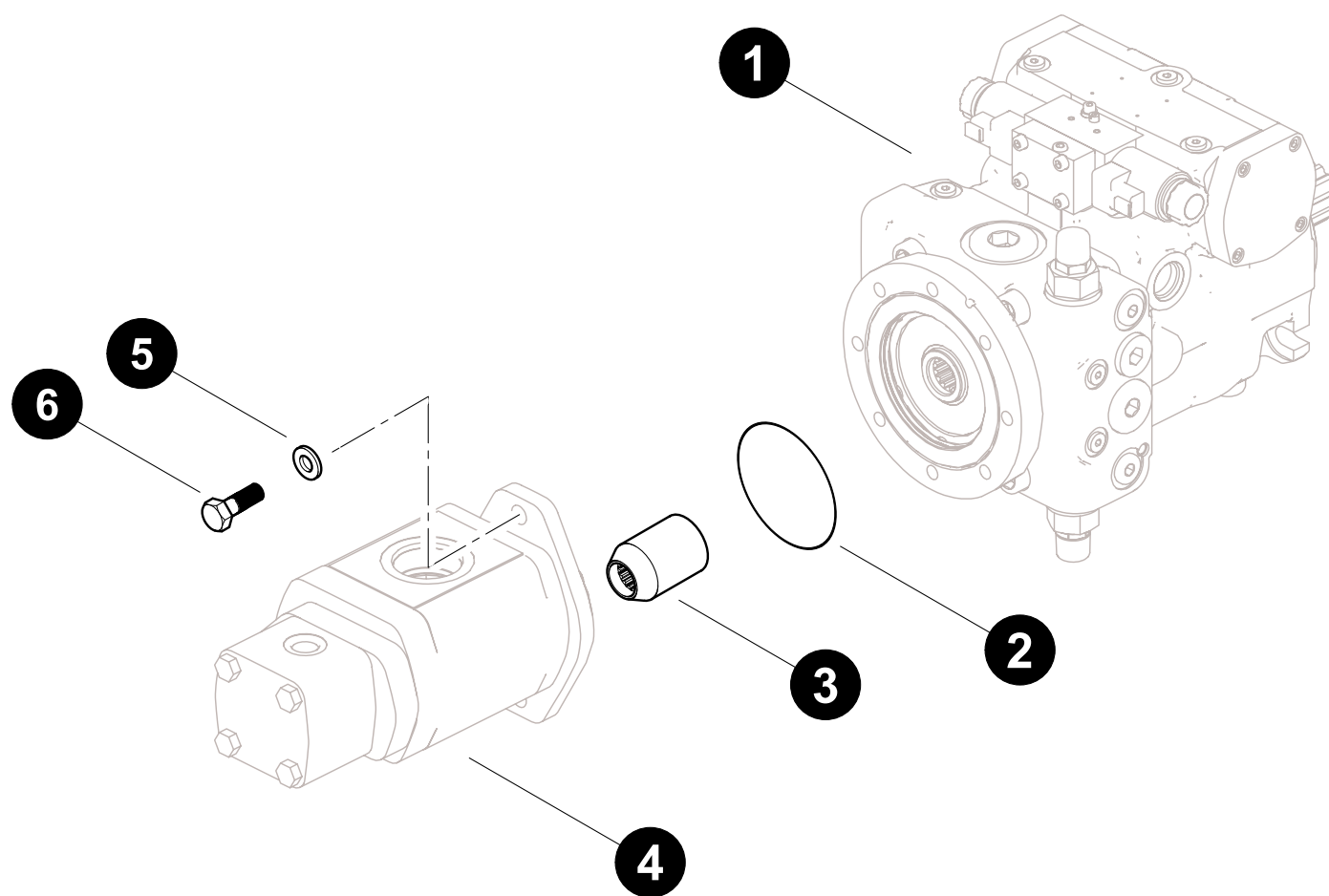
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	VALVE, CHARGE-FAN CONTROL.....	UP-3
2	REF	1	BARRIER, ENGINE	EE
3	15528-DH	4	WASHER, .375"	
4	11707-DH	4	BOLT, .375" X 1"	



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



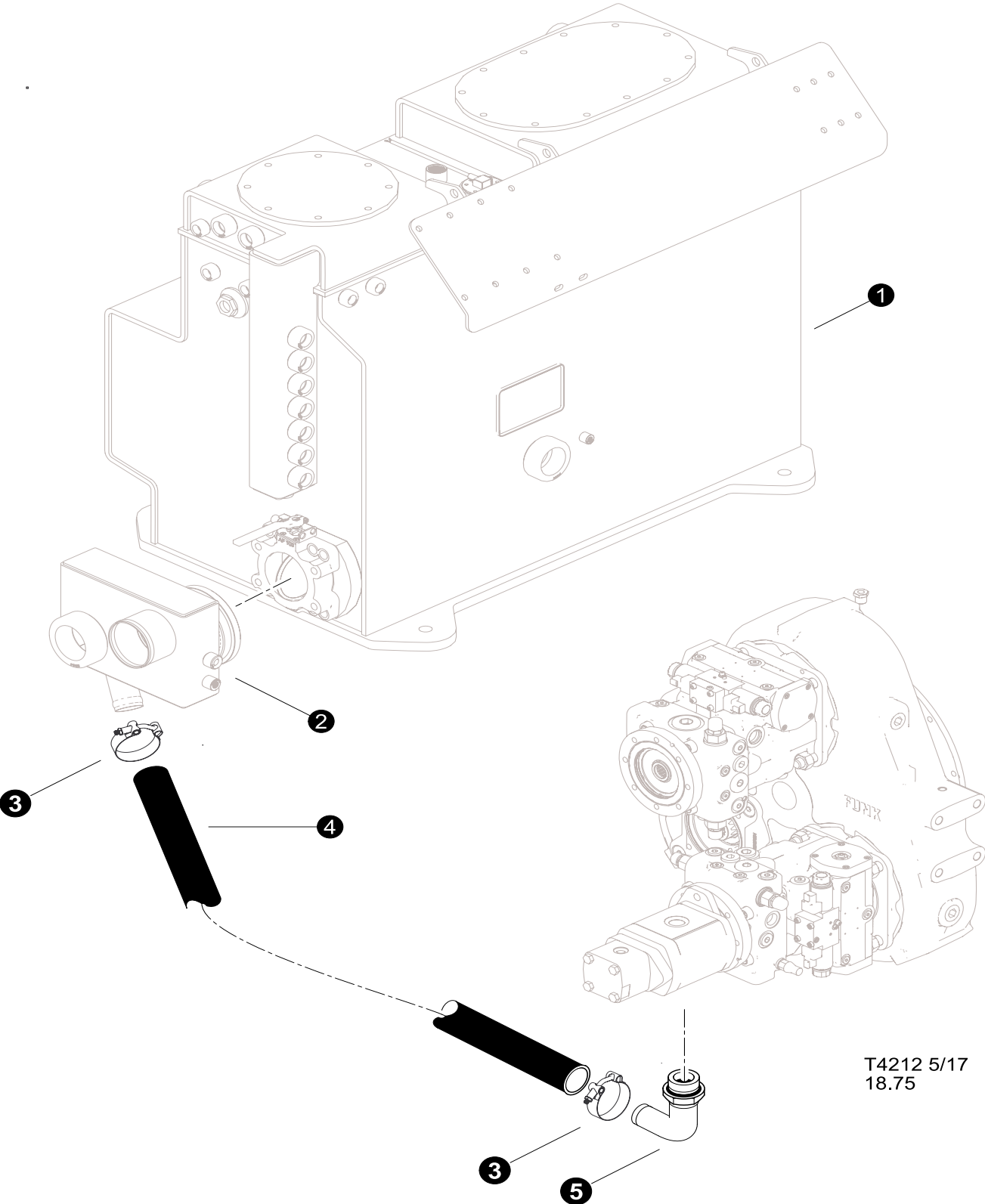
T4210 5/17
18.75

CHARGE PUMP INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		TRACK DRIVE PUMP	DH-3
2	21624-DH	1		O-RING, CHARGE PUMP PILOT (AA4VG90)	
3	R909650371-DH	1		COUPLING, Charge Pump	
4	REF	1		CHARGE PUMP ASSEMBLY	DH-4
5	18735-DH	2		WASHER, FLAT - 12MM	
6	18415-DH	2		BOLT - 12MM-1.75P X 30MM	



See referenced page for component or assembly breakdown.



CHARGE PUMP INLET (SUCTION)

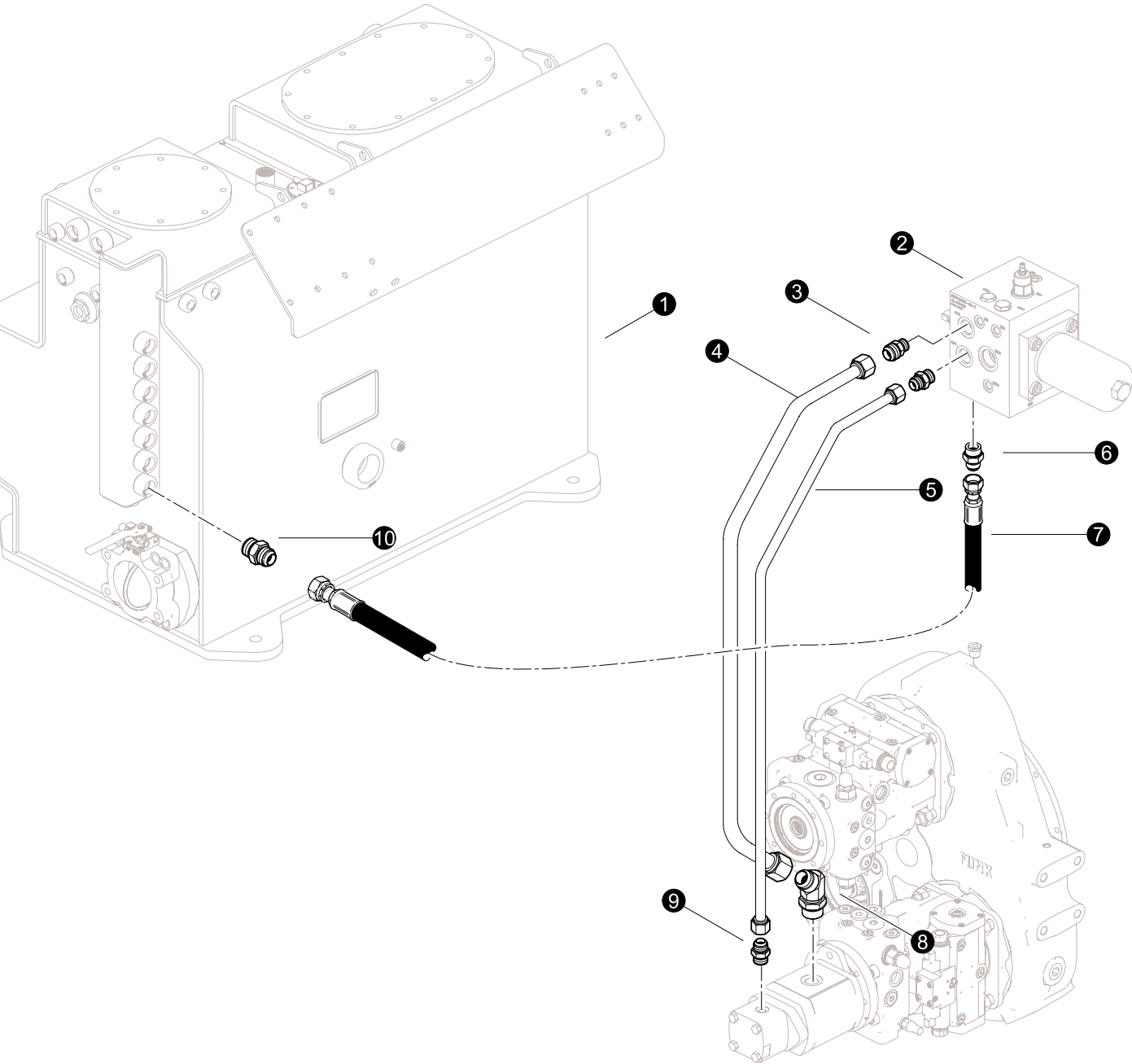
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		HYDRAULIC TANK ASSEMBLY.....	UP-2
2	REF	1		SUCTION ASSEMBLY	UP-2
3	15641-DH	2		CLAMP, strap band - 2"	
4	-DH	1		HOSE ASSEMBLY - 2032-24-0-0	
5	57663-DH	1		FITTING, ELBOW - HOSE END 90°	
6	REF.	1		CHARGE PUMP.....	DH-4



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



CHARGE CIRCUIT (Pressure and Tank)

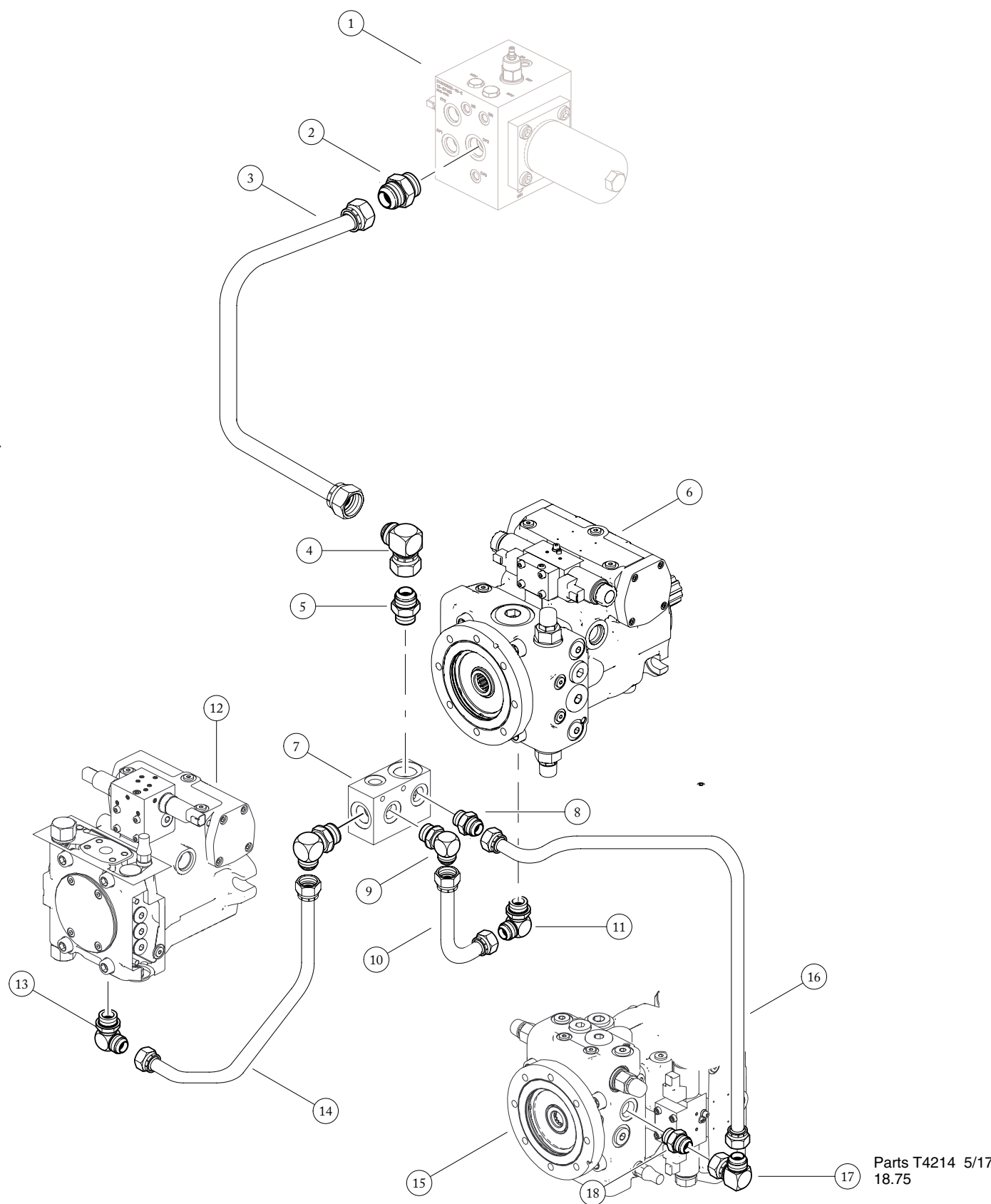
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	HYDRAULIC TANK ASSEMBLY.....	UP-2
2	REF	1	VALVE, CHARGE-FAN CONTROL.....	UP-3
3	15497-DH	1	CONNECTOR, STR - 16 F5OX-S	
4	57662-DH	1	TUBELINE, DUAL CHARGE PUMP - TRACK	
5	57610-DH	1	TUBELINE, CHARGE 2 TO MANIFOLD	
6	15496-DH	1	CONNECTOR, STR - 6400-12-16	
7	-DH	1	HOSE ASSEMBLY - 2044 12 12JS 12J4 (T3 port to Hyd Tank Return)	
8	15473-DH	1	ELBOW, 45 - 6802-16	
9	15494-DH	1	CONNECTOR, STR - 6400-12-10	
10	11324-DH	1	CONNECTOR, STR - 6400-12	



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.

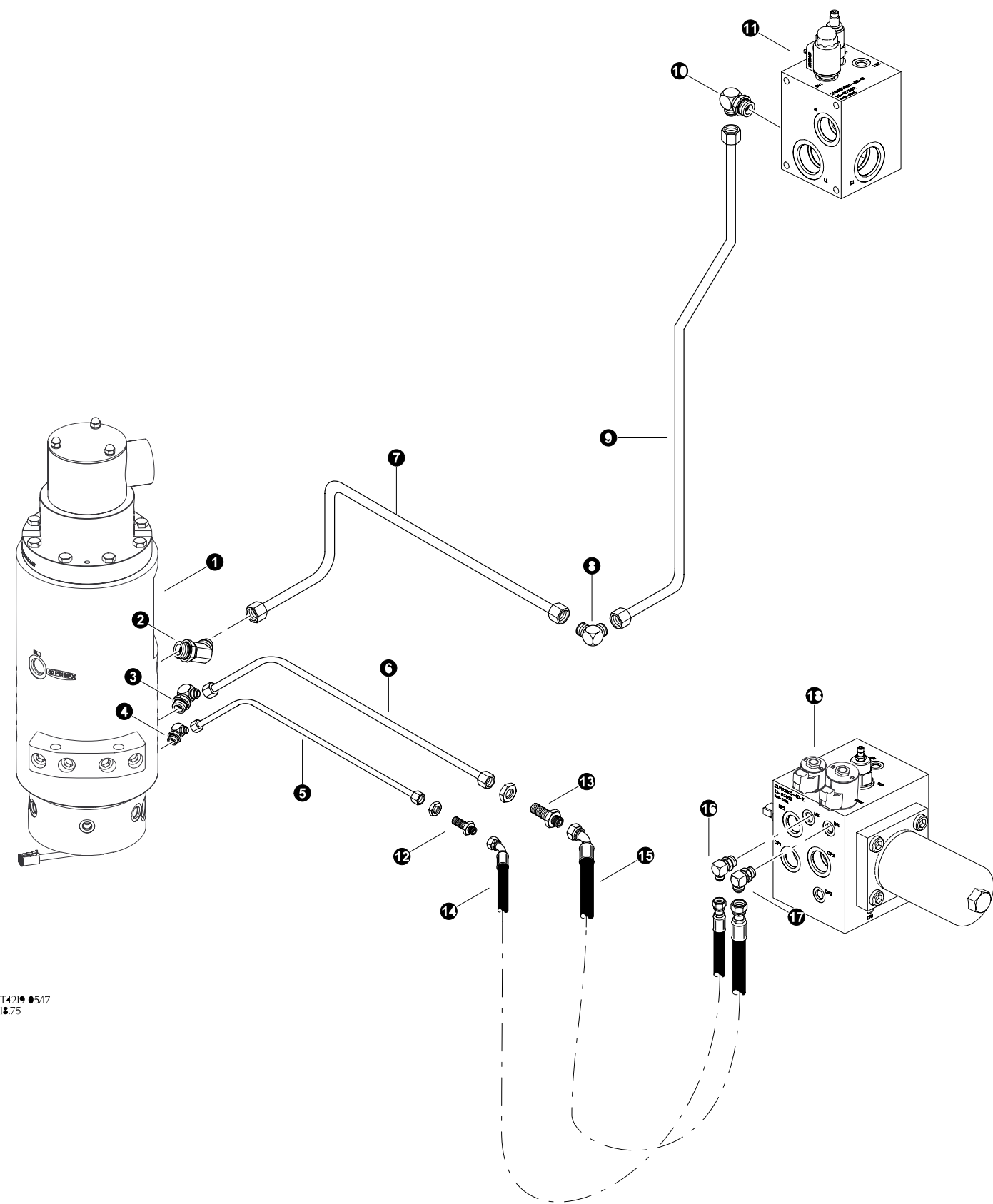


WHEEL DRIVE PUMP CHARGE PRESSURE INLET

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	FAN CONTROL / CHARGE MANIFOLD	UP-3
2	15497-DH	1	CONNECTOR, STR - 16 F5OX-S	
3	57289-DH	1	TUBELINE, CHARGE VALVE TO CHARGE MANIFOL	
4	15478-DH	1	ELBOW, 90 SWIVEL - 6500-16	
5	15497-DH	1	CONNECTOR, STR - 16 F5OX-S	
6	REF.	1	 TRACK DRIVE PUMP	DH-4
7	45999-DH	1	MANIFOLD, CHARGE PRESSURE DIVIDING	
8	11324-DH	1	CONNECTOR, STR - 6400-12	
9	11306-DH	1	ELBOW, 90 12 C5OX-S	
10	57290-DH	1	TUBELINE, CHARGE MANIFOLD TO TOP HYDRO	
11	11306-DH	1	ELBOW, 90 12 C5OX-S	
12	REF.	1	 SWING PUMP	FH
13	11306-DH	1	ELBOW, 90 12 C5OX-S	
14	57292-DH	1	TUBELINE, CHARGE MAN. TO SWING HYDRO	
15	REF.	1	 TRACK DRIVE PUMP	DH-4
16	57291-DH	1	TUBELINE, CHARGE MAN. TO BOTTOM HYDRO	
17	15477-DH	1	ELBOW, 90 SWIVEL - 12 C6X-S	
18	11324-DH	1	CONNECTOR, STR - 6400-12	



See referenced page for component or assembly breakdown.



T4219 05/17
18.75

PARKING BRAKE / MOTOR SHIFT / FLUSH RETURN

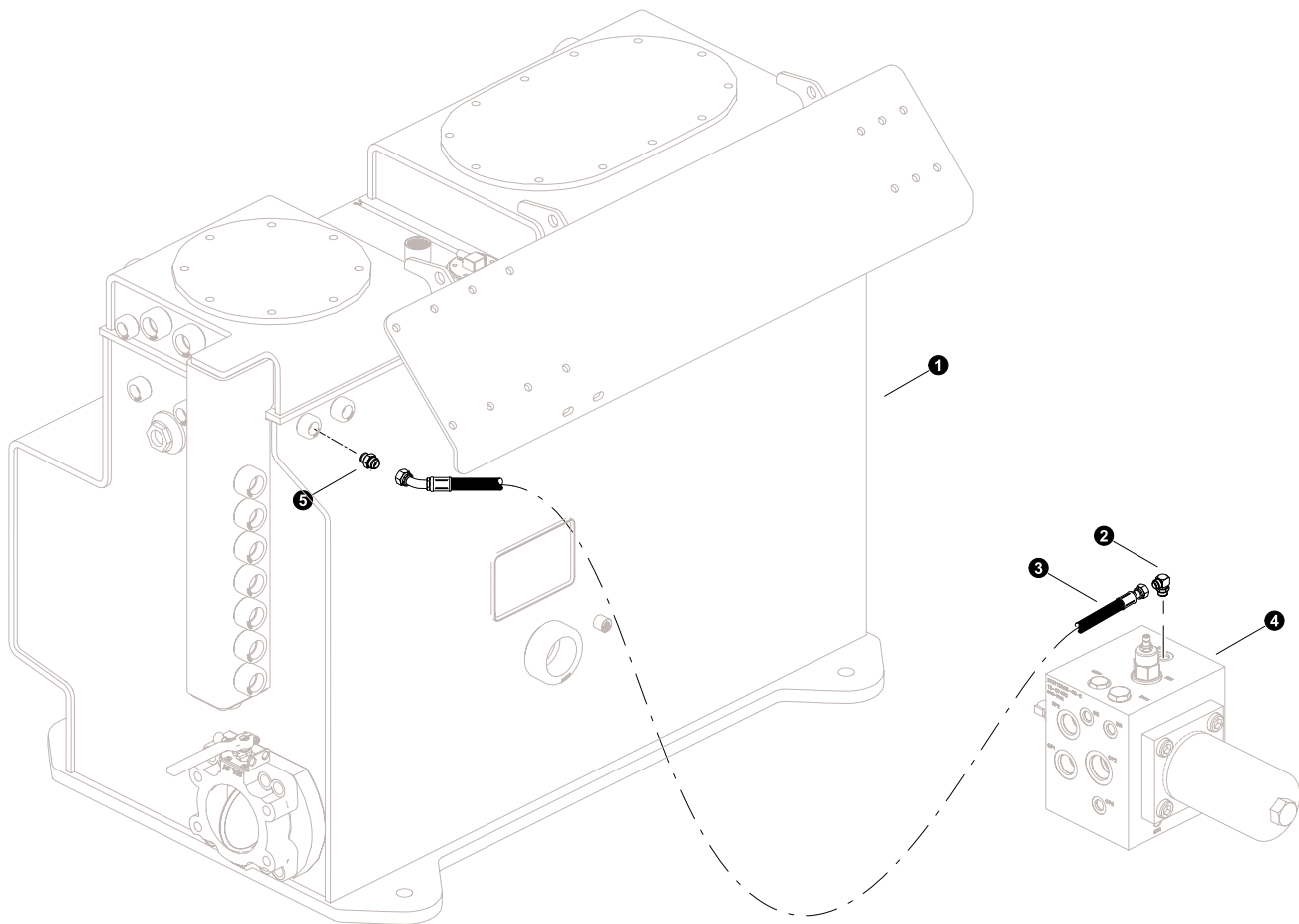
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTORY MANIFOLD	UP-1
2	15474-DH	1		ELBOW, 45 - 6802-12	
3	53145-DH	1		FITTING, 6-8 C50X-S - JIC	
4	55702-DH	1		FITTING, 4-8 C50X-S	
5	57275-DH	1		TUBELINE, RM #3 TO MOTOR SHIFT BULKHEAD	
6	57276-DH	1		TUBELINE, RM #1 TO BRAKE BULKHEAD	
7	57279-DH	1		TUBELINE, RM #7 TO FLUSH BULKHEAD	
8	54704-DH	1		ELBOW, 90 BULK 12 WETX-WLN-S (12 JIC MM)	
9	57334-DH	1		TUBELINE, DISC SAW / RETURN RM 7 T2	
10	11306-DH	1		ELBOW, 90 12 C50X-S	
11	REF	1		RETURN/SAW STOP MANIFOLD	FH
12	55383-DH	1		FITTING, BULKHEAD - 4 WTX-WLN-S	
13	55374-DH	1		FITTING, BULKHEAD - 6 WTX-WLN-S	
14	-DH	1		HOSE ASSEMBLY - 2055 04 04JS 04J4	
15	-DH	1		HOSE ASSEMBLY - 2051 06 06JS 06J4	
16	51931-DH			ELBOW, 90 - 4-6 C50X-S (JIC)	
17	15480-DH			ELBOW, 90 - 6801-6	
18	REF	1		FAN CONTROL / CHARGE MANIFOLD	UP-3



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Parts T4215 05/17
18.75

CHARGE FILTER MANIFOLD DRAIN LINE

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	HYDRAULIC TANK ASSEMBLY.....	UP-2
2	15480-DH	1	ELBOW, 90 - 6801-6	
3	-DH	1	HOSE ASSEMBLY - 2068 06 06JS 06J4	
4	REF	1	CHARGE MANIFOLD.....	UP-3
5	53145-DH	1	FITTING, 6-8 C50X-S - JIC	



See referenced page for component or assembly breakdown.

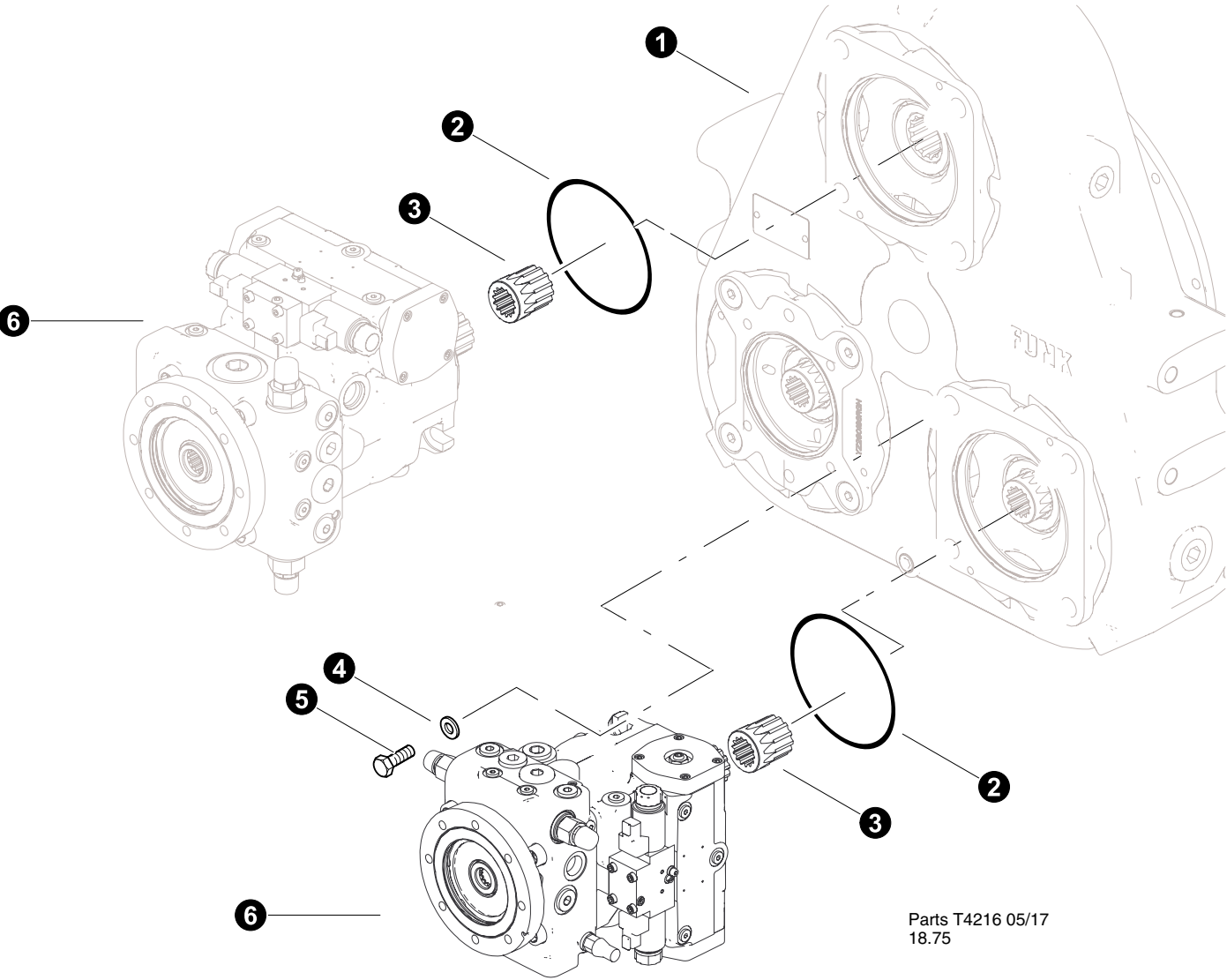


Kit or Assembly - includes all items indented underneath.

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Section DH-2

Drive Hydraulics - Track Drive Pump Circuit



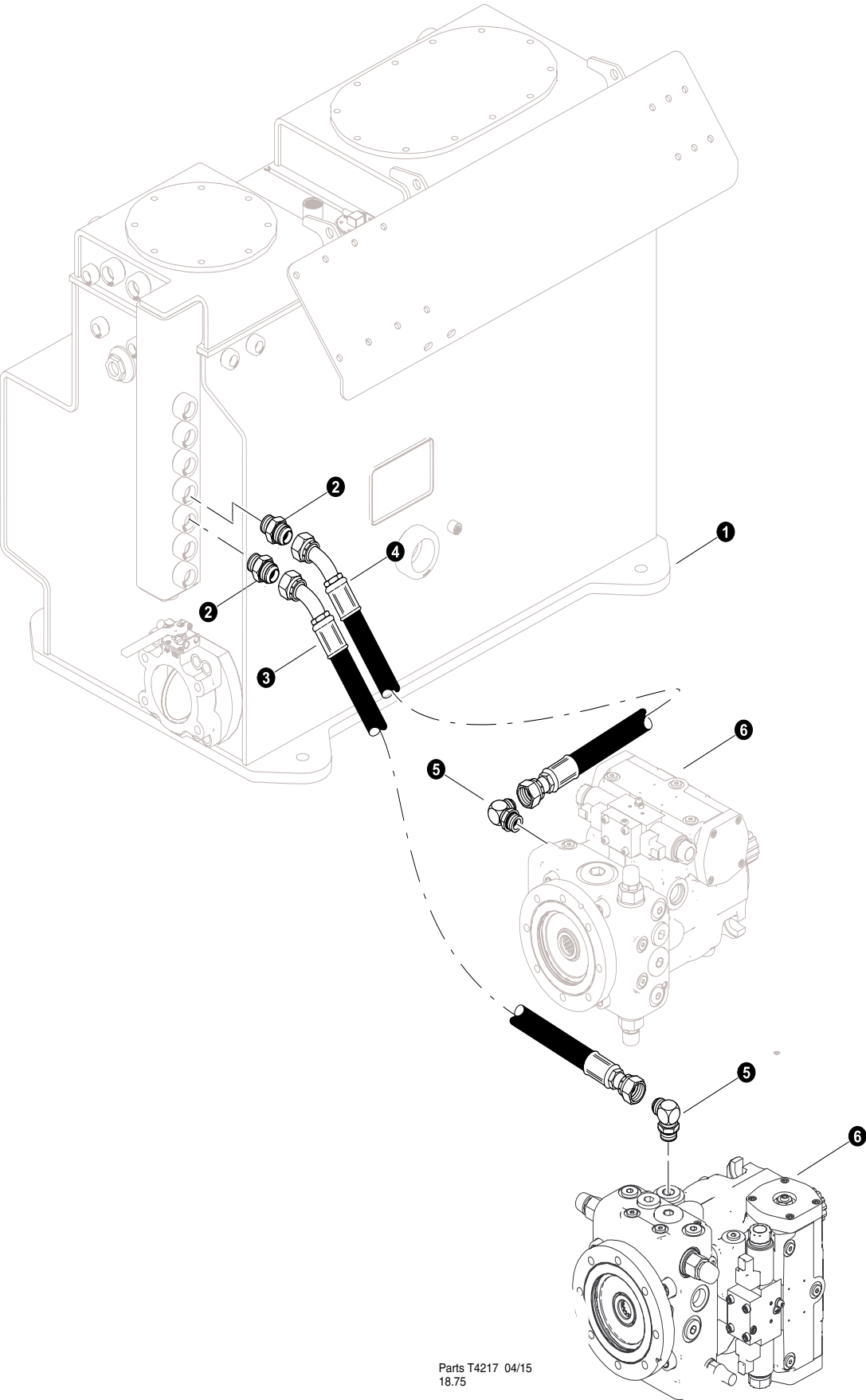
TRACK DRIVE PUMP INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		TRANSMISSION tripple pump drive.	EE-4
2	53718-DH	2		ORING, track drive pump pilot	
3	54767-DH	2		ADAPTER, PUMP PAD - SAE C - TRACK PUMP	
4	15534-DH	8		WASHER, SAE FLAT - .5"	
5	50100-DH	8		BOLT - .5" X 1.25"	
6	REF.	1		TRACK DRIVE PUMP	DH-4

54767



See referenced page for component or assembly breakdown.

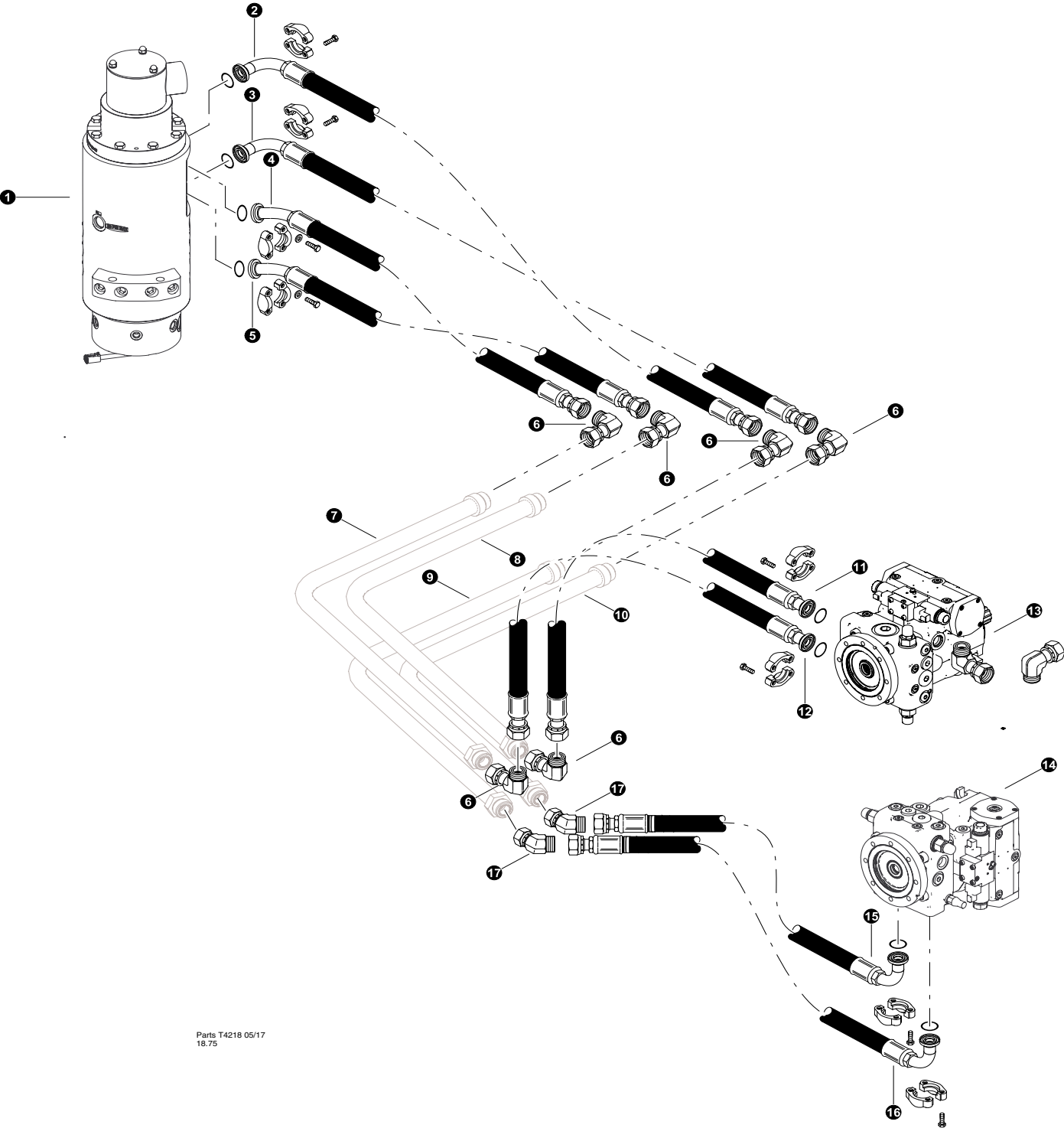


TRACK DRIVE SYSTEM**Case Drain Hose**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		HYDRAULIC TANK ASSEMBLY.....	UP-2
2	15474-DH	2		ELBOW, 45 - 6802-12	
3	-DH	1		HOSE ASSEMBLY - 2030 12-12JS-12J9 Pump Case to Hydraulic Tank	
4	-DH	1		HOSE ASSEMBLY - 2046 12-12JS-12J9 Pump Case to Hydraulic Tank	
5	11324-DH	1		CONNECTOR, STR - 6400-12	
6	REF.	1		TRACK DRIVE PUMP	DH-4



See referenced page for component or assembly breakdown.



TRACK DRIVE SYSTEM

Drive Pump Pressure Connections

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTORY MANIFOLD	UP-1
2	-DH	1		HOSE ASSEMBLY - 6033 16-16OS-16PH9 Bulkhead to RM 12	
-	15113-DH	2		KIT, SPLIT FLANGE - 1" (CODE 62)	
3	-DH	1		HOSE ASSEMBLY - 6042.5 16-16OS-16PH9 Bulkhead to RM 10	
-	15113-DH	2		KIT, SPLIT FLANGE - 1" (CODE 62)	
4	-DH	1		HOSE ASSEMBLY - 6027 16-16OS-16PH9 Bulkhead to RM 11	
-	15113-DH	2		KIT, SPLIT FLANGE - 1" (CODE 62)	
5	-DH	1		HOSE ASSEMBLY - 6036 16-16OS-16PH9 Bulkhead to RM 9	
-	15113-DH	2		KIT, SPLIT FLANGE - 1" (CODE 62)	
6	17682-DH	6		ELBOW, 90 SWIVEL - FF2098T-1616S	
7	57254-DH	1		TUBELINE, TRACK DRIVE - 765C	
8	57253-DH	1		TUBELINE, TRACK DRIVE - 765C	
9	57252-DH	1		TUBELINE, TRACK DRIVE - 765C	
10	57251-DH	1		TUBELINE, TRACK DRIVE - 765C	
11	-DH	1		HOSE ASSEMBLY - 6035 16-16OS-16PH	
-	15113-DH	2		KIT, SPLIT FLANGE - 1" (CODE 62)v	
12	-DH	1		HOSE ASSEMBLY - 6032.5 16-16OS-16PH	
-	15113-DH	2		KIT, SPLIT FLANGE - 1" (CODE 62)	
13	REF.	1		TRACK DRIVE PUMP	DH-4
14	REF.	1		TRACK DRIVE PUMP	DH-4
15	-DH	1		HOSE ASSEMBLY - 6029 16-16OS-16PH9	
-	15113-DH	2		KIT, SPLIT FLANGE - 1" (CODE 62)	
16	-DH	1		HOSE ASSEMBLY - 6025 16-16OS-16PH9	
-	15113-DH	2		KIT, SPLIT FLANGE - 1" (CODE 62)	
17	52441-DH	2		ELBOW, 45 SWIVEL NUT	



See referenced page for component or assembly breakdown.



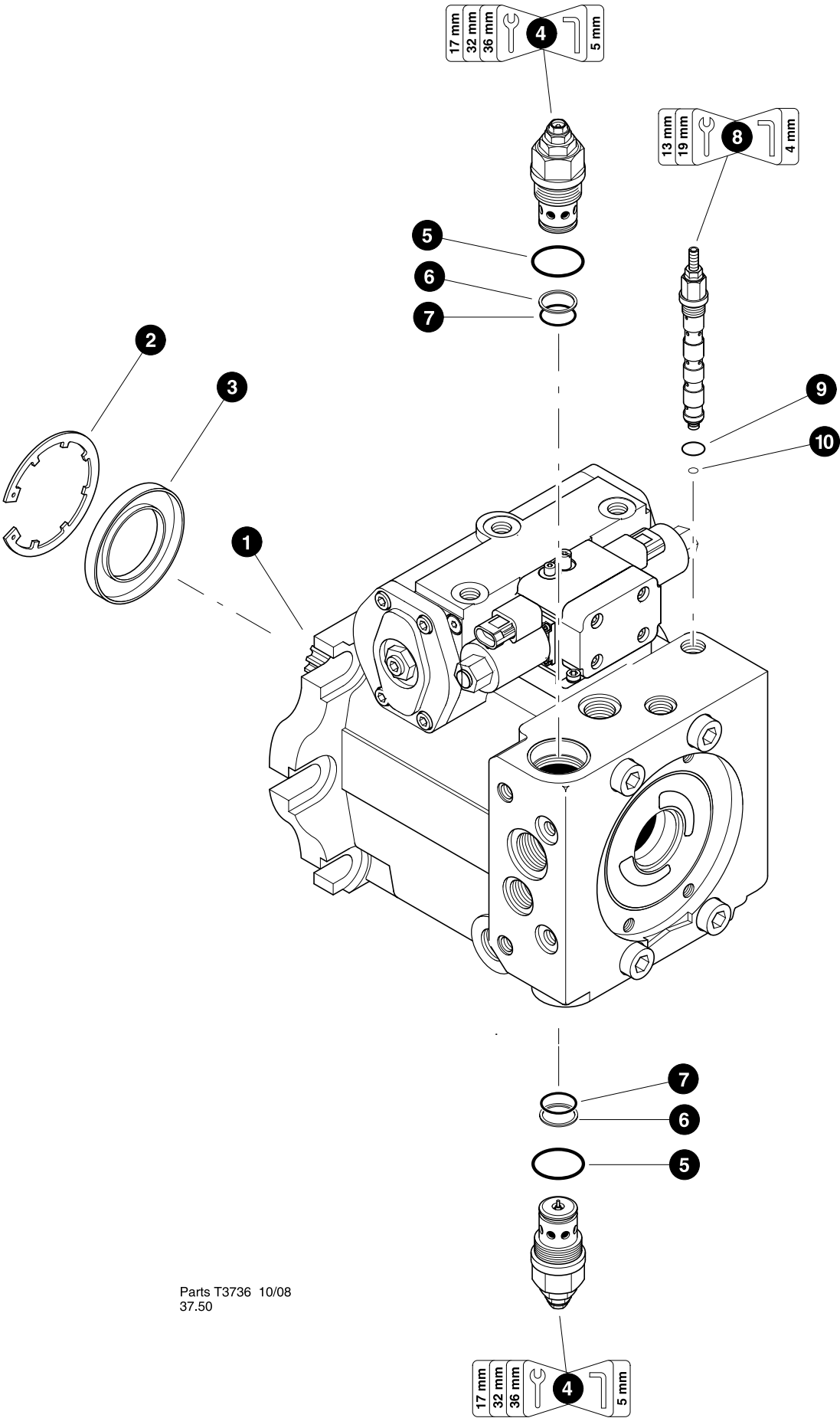
Kit or Assembly - includes all items indented underneath.

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Section DH-4

Drive Hydraulics - Drive System Components



Parts T3736 10/08
37.50

TRACK DRIVE PUMP - AA4VG90 (Forward Cast Housing Components)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	55458-DH	1	☐	PUMP, TRACK DRIVE - (LH) VTG90	
	52539-DH	1	☐	PUMP, TRACK DRIVE - (RH) VTG90	
2	53726-DH	1		RING, seal retaining (R902600001)	
3	53727-DH	1	⌘	SEAL, shaft (R909830978)	
4	53724-DH	2	☐	CARTRIDGE, high pressure relief valve R902602249	
5	-DH	1	⌘	O-RING, HPRV cartridge (Body)	
6	-DH	1	⌘	RING, back-up - HPRV cartridge (Chamber)	
7	-DH	1	⌘	O-RING, HPRV cartridge (Chamber)	
8	53725-DH	1	☐	CARTRIDGE, POR relief valve R909437084	
9	-DH	1	⌘	O-RING, POR relief valve cartridge (Body)	
10	-DH	1	⌘	O-RING, POR relief valve cartridge (Chamber)	
-	53640-DH	1		KIT, SEAL REPAIR -TRACK DRIVE PUMP-VTG90	

Note:

Due to warranty policy restrictions imposed by TimberPro's component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.



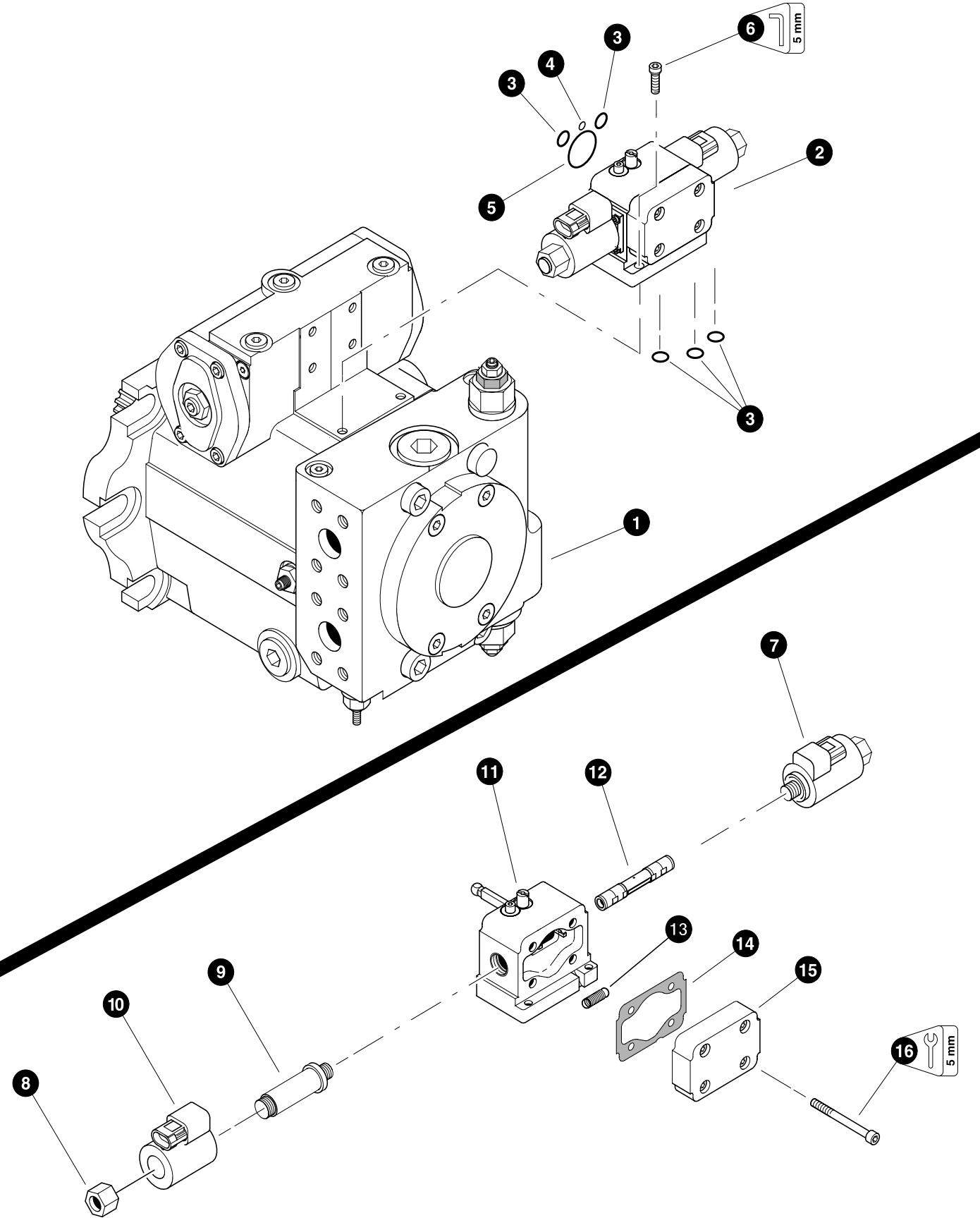
See referenced page for component breakdown.



Kit or Assembly - includes all items indented underneath.



Included in seal repair kit Part # 53640-WD



TRACK DRIVE PUMP - AA4VG90 (Stroke Control Assembly)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		TRACK DRIVE PUMP -	DH-4-1
2	53729-DH	1		VALVE, STROKE CONTROL - AA4VG90 24V	
3	-DH	5		O-RING, stroke control	
4	-DH	1		O-RING, stroke control	
5	-DH	1		O-RING, stroke control	
6	-DH	2		BOLT, allen head - 6mm x 20mm	
7	53730-DH	2		SOLENOID, CONTROL Assembly - AA4VG90	
8	-DH	2		NUT, coil stem	
9	-DH	2		COIL STEM	
10	-DH	2		COIL, solenoid - 24V	
11	-DH	1		CONTROL MODULE - AA4VG90 24V (R902106746)	
12	-DH	1		CONTROL PISTON (R902107090)	
13	-DH	1		SPRING, stroke centering (R902068150)	
14	-DH	1		GASKET, (R902066611)	
15	-DH	1		COVER, (R902107492)	
16	-DH	4		BOLT, allen head - 6mm (R909085831)	
-	53640-DH	1		KIT, SEAL REPAIR -TRACK DRIVE PUMP-VTG90	

Note:

Due to warranty policy restrictions imposed by TimberPro's component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.



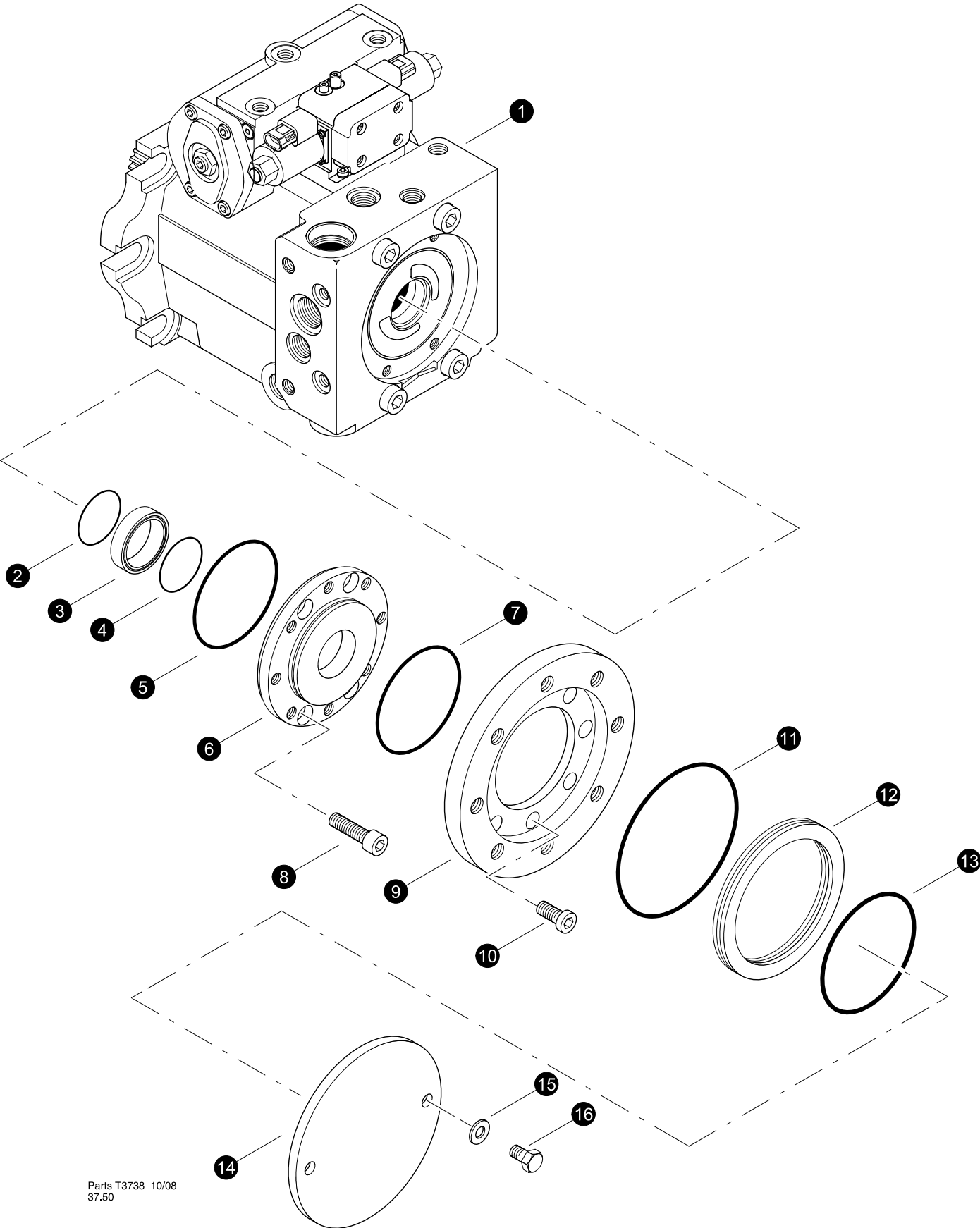
See referenced page for component breakdown.



Kit or Assembly - includes all items indented underneath.



Included in seal repair kit Part # 53640-WD



TRACK DRIVE PUMP - AA4VG90 (Thru Drive Components)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		TRACK DRIVE PUMP -	DH-4-1
2	R909084484	1		O-Ring	
3	R9094430651	1		SEAL RING	
4	R909084484	1		O-Ring	
5	R909086679	1		O-Ring	
6	R902077958	1		COVER, Pump AA4VG90	
7	R909085360	1		O-Ring	
8	R909083060	4		Bolt,	
9	R909444589	1		FLANGE, Intermediate	
10	R909083189	6		Bolt	
11	R909085363	1		O-Ring	
12	R909431554	1		RING, Centering	
13	R909154589	1		O-Ring	
14	18414-DH	1		COVER, THRU DRIVE - REXROTH	
15	18040-DH	2		WASHER, flat - .5"	
16	10783-DH	2		BOLT - .5" X 1"	
-	53640-DH	1		KIT, SEAL REPAIR -TRACK DRIVE PUMP-VTG90	

R909830978

Note:

Due to warranty policy restrictions imposed by TimberPro's component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.



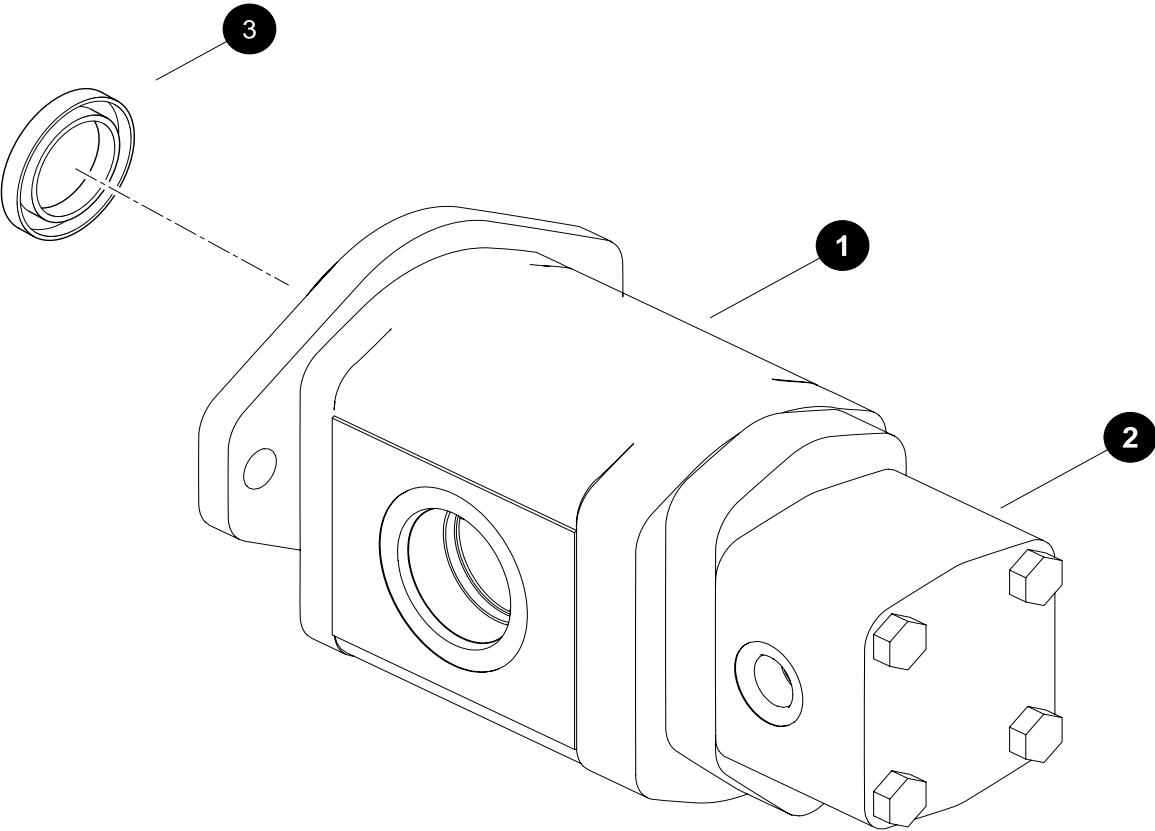
See referenced page for component breakdown.



Kit or Assembly - includes all items indented underneath.



Included in seal repair kit Part # 53640-WD



Parts T3739 10/08
50.00

Charge Pump Breakdown

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	57609-DH	1	☐	PUMP, CHARGE TRACK MACHINE	
2	-DH	1		PUMP, SMALL CHARGE	
3	-DH	1		Shaft Seal 25.4-38.1-6.35 NBR	

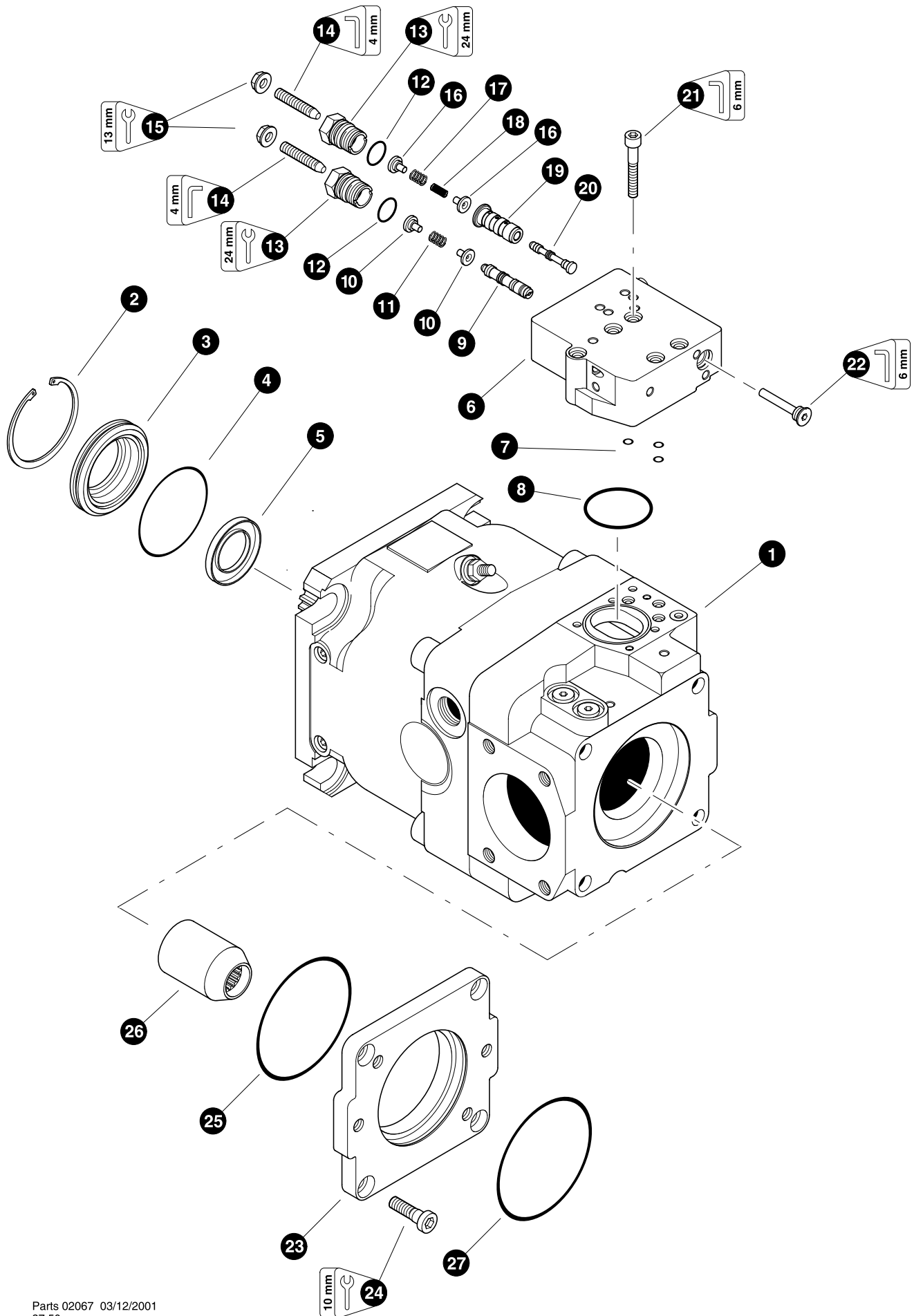
- Seal kit for 3GP (front pump) #12003G
- Seal kit for 2SP (rear pump) #120029

☐ Kit or Assembly - includes all items indented underneath.

[illegible]

Section FH-1

Feller Buncher Hydraulics - Implement Pump and Control Valve



Parts 02067 03/12/2001
37.50

IMPLEMENT PUMP (Rexroth 145cc)

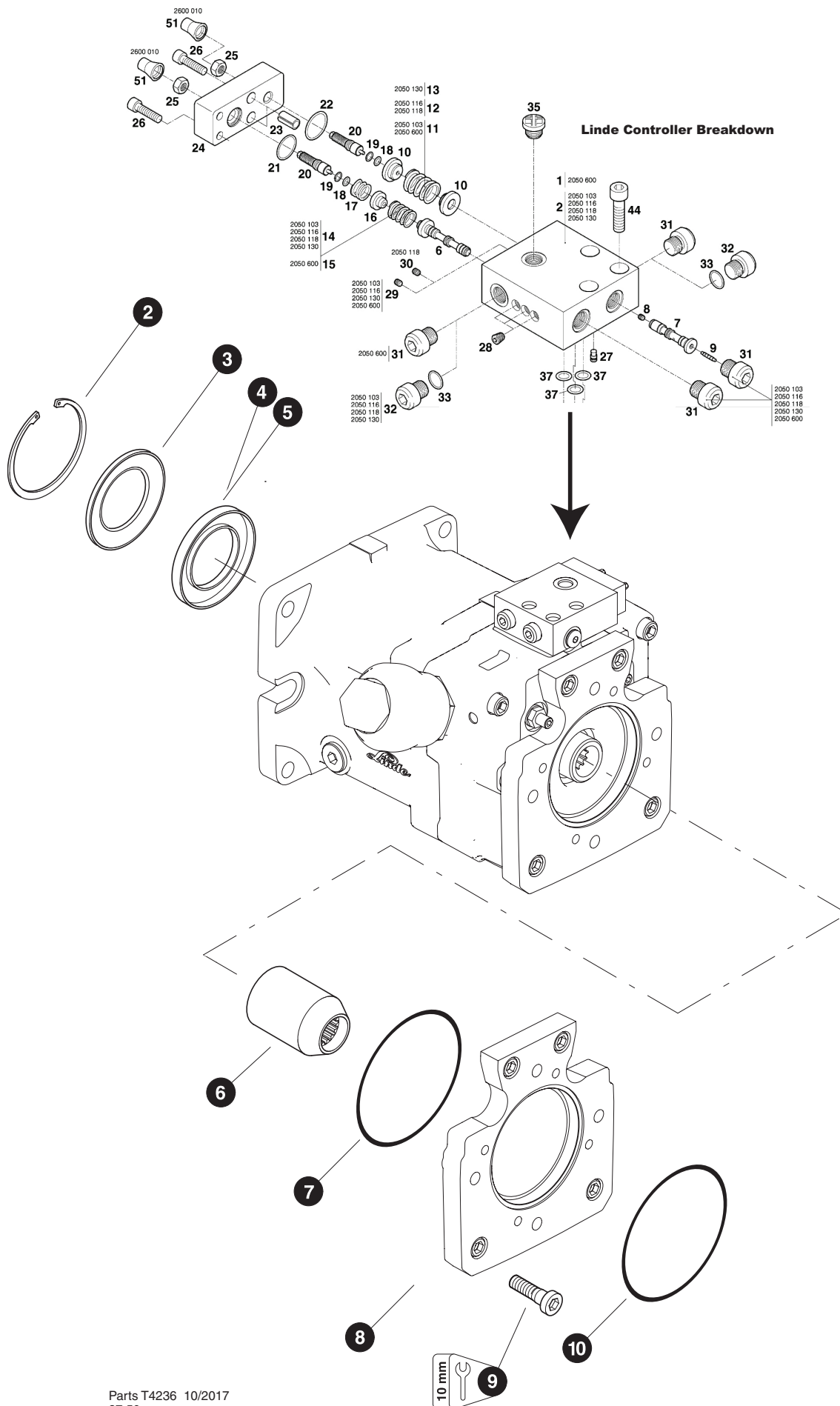
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	55459-FH	1	□	PUMP, IMPLEMENT - C SERIES REX 145 CC	
2	21546-FH	1		RING, seal retaining	
3	21547-FH	1		COVER, front	
4	21548-FH	1	⌘	O-RING, front cover	
5	18687-FH	1	⌘	SEAL, shaft	
6	18681-FH	1	□	COMPENSATOR	
7	20809-FH	3	⌘	O-RING, quad	
8	20808-FH	1	⌘	O-RING, compensator	
9	NSS	1		SPOOL, POR pressure	
10	21551-FH	2		RETAINER, spring	
11	21552-FH	1		SPRING	
12	21553-FH	2	⌘	O-RING, compensator cap	
13	21554-FH	2		CAP, compensator	
14	20358-FH	2	⌘	NUT, seal	
15	21555-FH	2		SCREW, adjusting	
16	21558-FH	2		RETAINER, spring	
17	21556-FH	1		SPRING	
18	21557-FH	1		SPRING	
19	NSS	1		SLEEVE, spool	
20	NSS	1		SPOOL, stand-by pressure	
21	21559-FH	5		BOLT, allen head - 8mm x 50mm	
22	NSS	1		PLUG	
23	24424-FH	1	□	KIT, FLANGE, thru drive vlo	
24	17608-FH	4		BOLT, allen head - 12mm-1.75P x 30mm	
25	57643-FH	1	⌘	O-RING, thru drive flange	
26	18843-FH	1		COUPLING, thru drive	
27	19491-FH	1		O-RING, thru drive cover	
--	18799-FH	1		KIT, seal repair (<i>Complete pump</i>)	

□ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit, PN# 18799-FH.

Note:

Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.



IMPLEMENT PUMP (Linde 165cc)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	57599-FH	1	☐	PUMP, IMPLEMENT - Linde 165cc HPR	
2	9456622624	1		locking ring 72x2,5 DIN 472	
3	9289003751	1		shim ring 56x72x1 DIN 988	
4	0009280345	1		shaft packing DAS50x72x8-V75	
5	0009281807	1		shaft seal AS50x72x7-NBR90 DIN 3760	
6	5993051213	1		coupling sleeve ANSI 16/32 21Z-12/24 14	
7	0009630840	1		O-ring 84x2,5-FKM80	
8	2562311403	1		intermediate flange SAE C	
9	9045341385	4		socket head screw M14x135-10.9 ISO 4762	
10	0009631107	1		O-ring 132x3-FKM80	

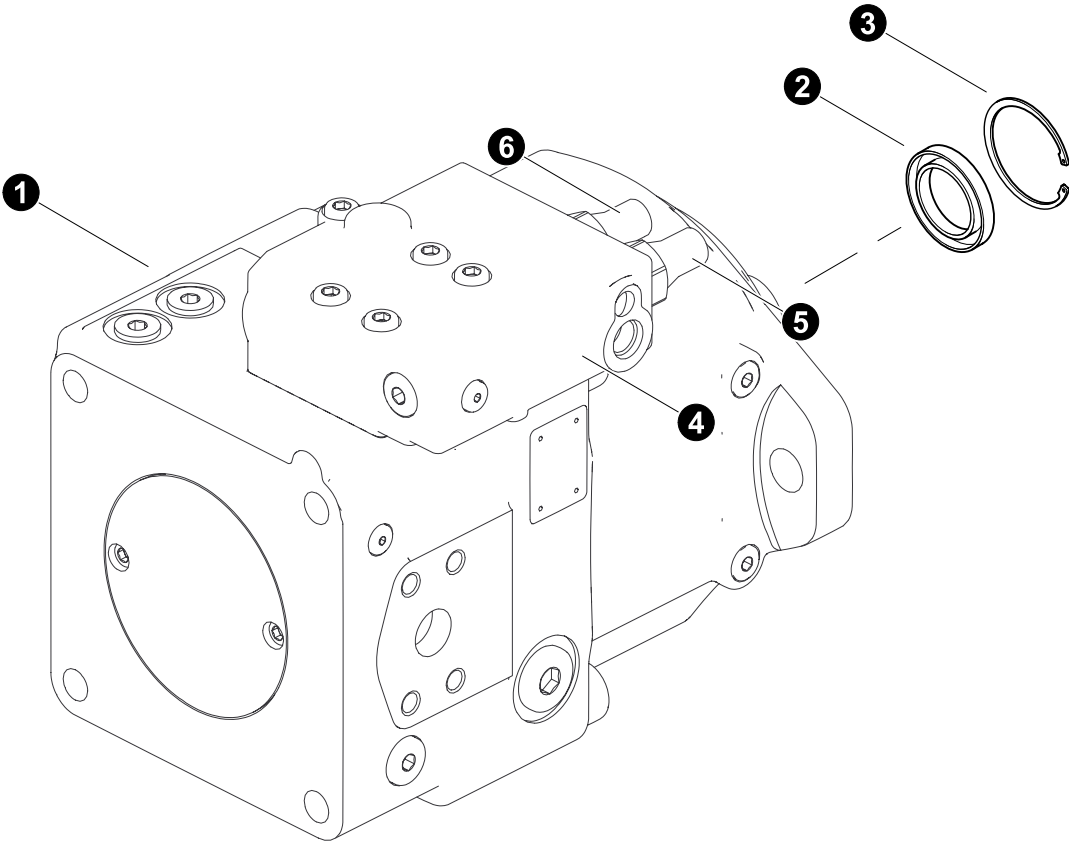
Controller 5853400780 Breakdown

1	---	4	1	housing LP/DIN	
2	---	4	1	housing LP/ISO	
6	---	4	1	pilot	
7	---	4	1	pilot HPR-02 LP	
8	---	4	1	threaded pin M3x5-22H ISO 4026	
9	2553450315		1	piston	
10	5853433800		2	spring plate	
11	0009212428		1	compression spring 2,4x14,9x35,4	
12	0009212447		1	compression spring 2,4x14,9x41,0x6	
13	0009212551		1	compression spring 2,5x15x45,1	
14	0009212632		1	compression spring 2,6x10,9x19,0	
15	0009212575		1	compression spring 2,5x10,9x19,7	
16	5853433806		1	spring plate	
17	0009211159		1	compression spring 1,1x12,9x14,3x1,9	
18	0009630002		2	O-Ring 6,9x1,8-FKM80 ISO 3601-1	
19	0009622734		2	back-up ring A10x1,5x1-TEF	
20	5853432401		2	screw	
21	0009632237		1	O-ring 20,35x1,78-FKM80 ISO 3601-1	
22	0009632221		1	O-ring 25,12x1,78-FKM80 ISO 3601-1	
23	9384620366		2	slotted spring pin 8x16 DIN 7346	
24	5853412004		1	cover	
25	9210317114		2	hexagon nut M8x1-8-A2C ISO 8673	
26	9045341135		4	socket-head screw M6x25-10.9 ISO 4762	
27	0009515127		1	plug HK5x6x43AK	
28	0009033195		3	screw plug M8x1-5.8	
29	9133339061		1	threaded pin M4x6-22H DIN 913	
30	0009445584		1	nozzle D0,7-M4-St WN 42775	
31	9148010156		4	screw plug M14x1,5-V80 WN 14141	
32	0009524020		2	screw plug PLIH-M14x1,5-FKM80 ISO 6149-4	
33	0009632106		2	O-ring 11,3x2,4-FKM80	
35	0009620177		1	screw plug M14x1,5-KS WN 14142	
37	0009632114		3	O-ring 10,5x1,5-FKM80	
44	9045348186		3	socket head screw M8x30-10.9-PHR ISO 4762	
51	7152102008		2	cap M8x26-KS-BL WN14605	

☐ Kit or Assembly - includes all items indented underneath.

Note:

Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.

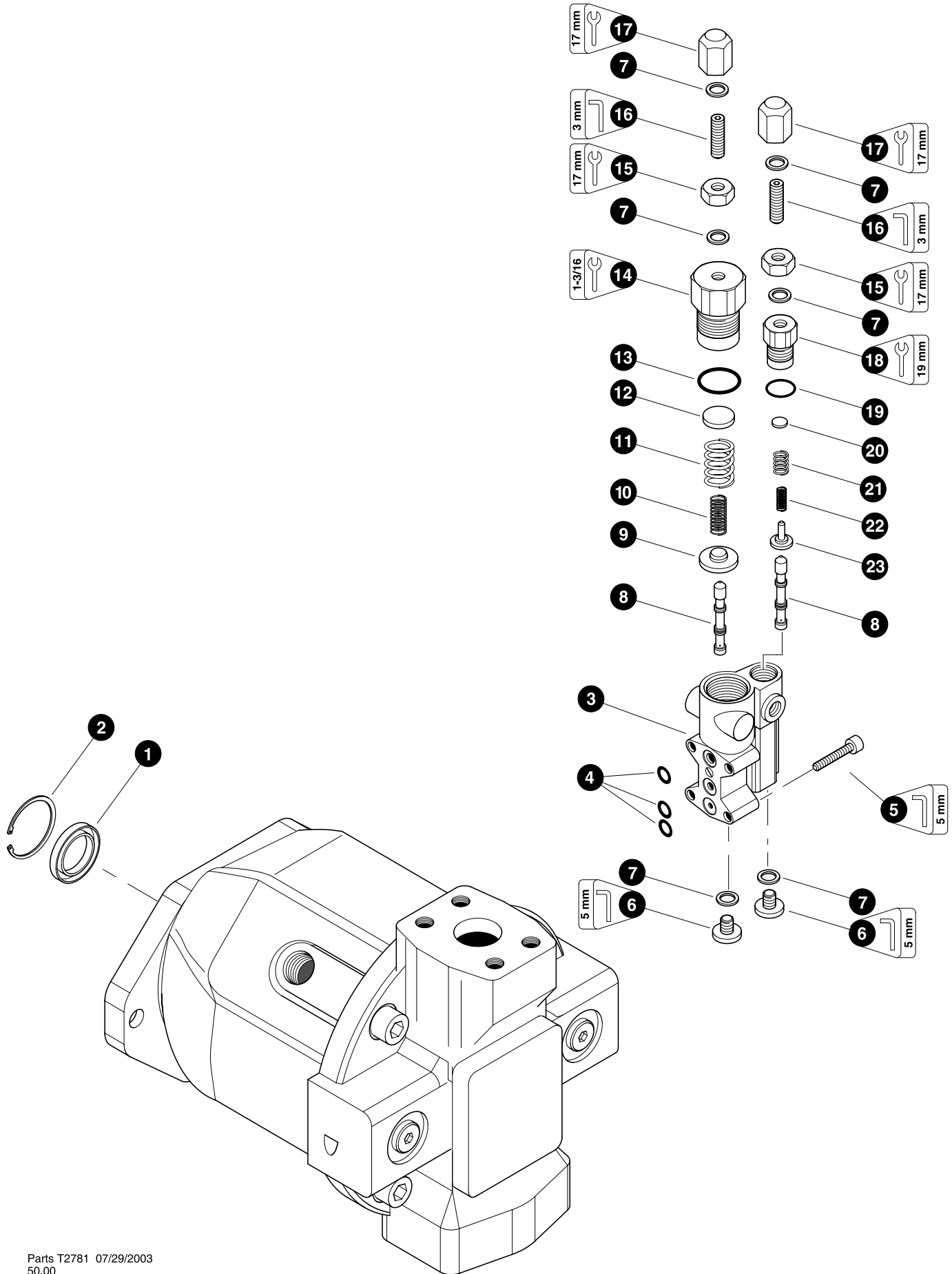


Parts T4080 05/15
50.00

AUX - DISC SAW PUMP**High Pressure (60cc)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	54523-FH	1	☐	PUMP, DISC SAW - HIGH PRESSURE (60CC)	
2	57451-FH	1		SHAFT SEAL	
3	R909083416	1		RETAINING RING	
4	R909608948	1	☐	CONTROLLER	
5	R909608948	1		HIGH PRESSURE	
6	R909609420	1		STANDBY	
-	-FH	1		KIT, seal repair - disc saw pump	

☐ Kit or Assembly - includes all items indented underneath.



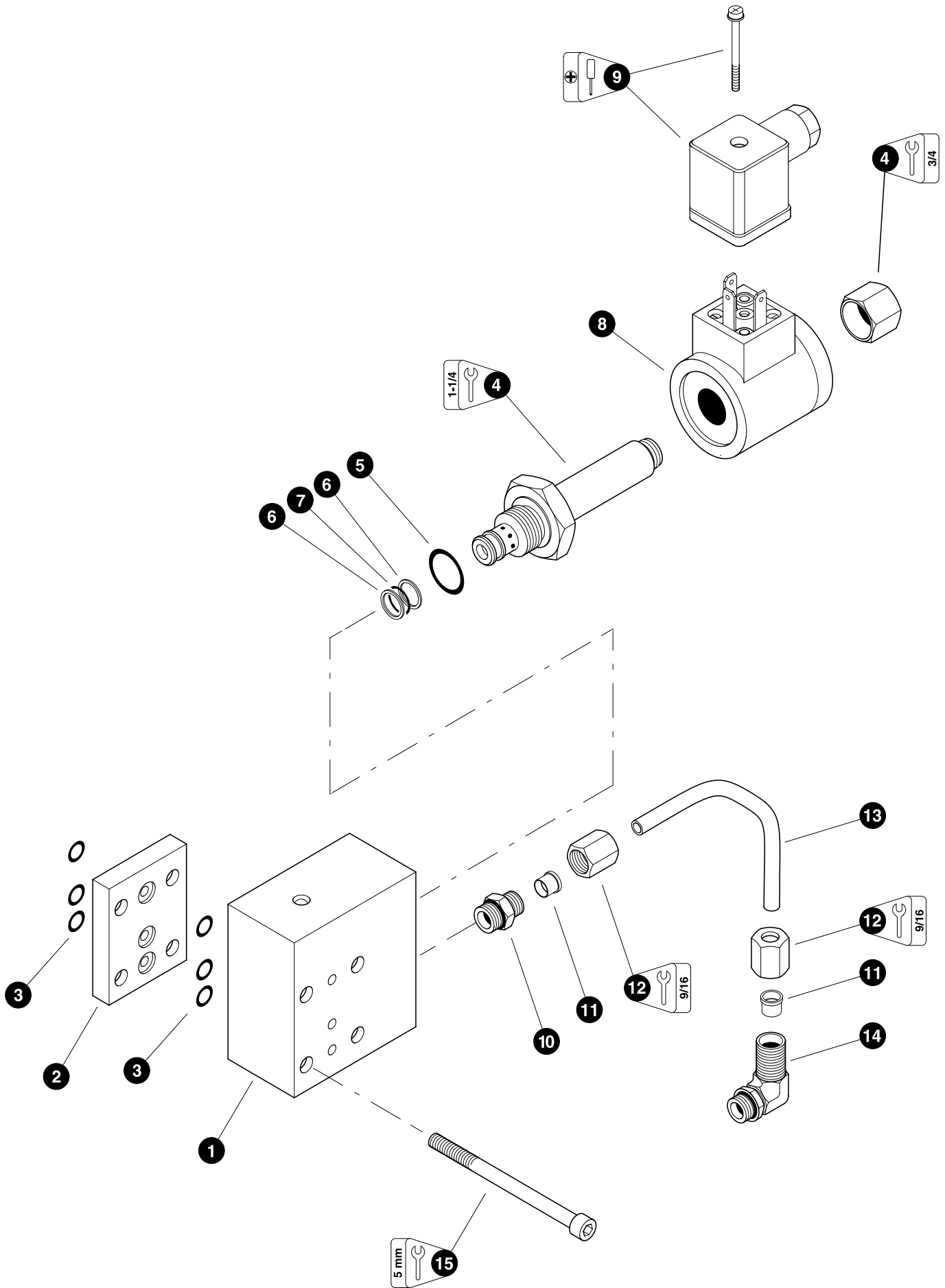
Parts T2781 07/29/2003
50.00

AUX - BRUSH PUMP (71 cc)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
--	19509-FH	1	☐	PUMP, AUX - Brush cutter 71cc	
1	22881-FH	1		SEAL, shaft	
2	22882-FH	1		RING, seal retaining	
--	15891-FH	1	☐	COMPENSATOR, pump control	
3	NSS	1		HOUSING ASSEMBLY	
4	16856-FH	3	⌘	O-RING	
5	21582-FH	4		BOLT, compensator mounting	
6	20339-FH	2		PLUG	
7	16855-FH	6	⌘	SEAL, ring	
8	NSS	2		SPOOL	
9	NSS	1		RETAINER, spring	
10	NSS	1		SPRING	
11	NSS	1		SPRING	
12	NSS	1		RETAINER, spring	
13	NSS	1	⌘	O-RING	
14	NSS	1		CAP, compensator	
15	17458-FH	2		NUT, jam - 8mm	
16	17459-FH	2		SCREW, adjustment - 8mm	
17	17697-FH	2		NUT, acorn	
18	NSS	1		CAP, compensator	
19	NSS	1	⌘	O-RING	
20	NSS	1		RETAINER, spring	
21	NSS	1		SPRING	
22	NSS	1		SPRING	
23	NSS	1		RETAINER, spring	
-	19757-FH	1		KIT, seal repair - disc saw pump	

☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit Part # 16712-OD.



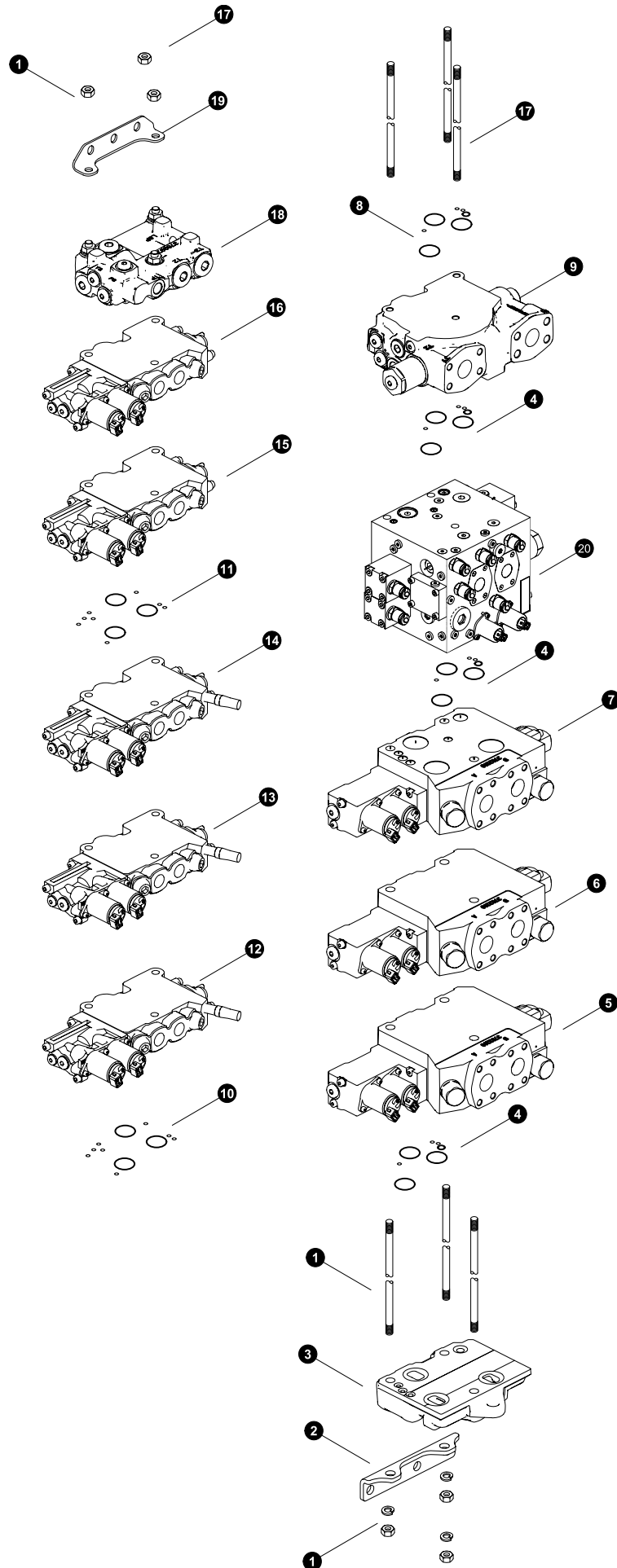
ELECTRIC COMPENSATOR CONTROL

(Used With Disc Saw or Brush Pump)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	19240-FH	1	☐	CONTROL, electric compensator	
1	22595-FH	1		BLOCK	
2	22596-FH	1		PLATE, block	
3	21604-FH	6		O-RING	
4	22597-FH	1	☐	CARTRIDGE, solenoid <i>(Includes nut)</i>	
5	NSS	1	⌘	O-RING, body	
6	NSS	2	⌘	RING, back-up - chamber	
7	NSS	1	⌘	O-RING, chamber	
8	22445-FH	1		COIL, solenoid - 24V	
9	17145-FH	1		CONNECTOR, electrical - Hirschmann <i>(Includes hardware)</i>	
10	22599-FH	1		CONNECTOR, tube	
11	22600-FH	2		FERRULE	
12	22601-FH	2		NUT, tube	
13	22602-FH	1		TUBE, hydraulic	
14	22604-FH	1		ELBOW, 90° tube	
15	22603-FH	4		BOLT, allen head	
-	22598-FH	1		KIT, seal repair - solenoid cartridge	

☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit Part # 22598-FH.



Parts T4247 11/2017
25.00

MAIN CONTROL VALVE

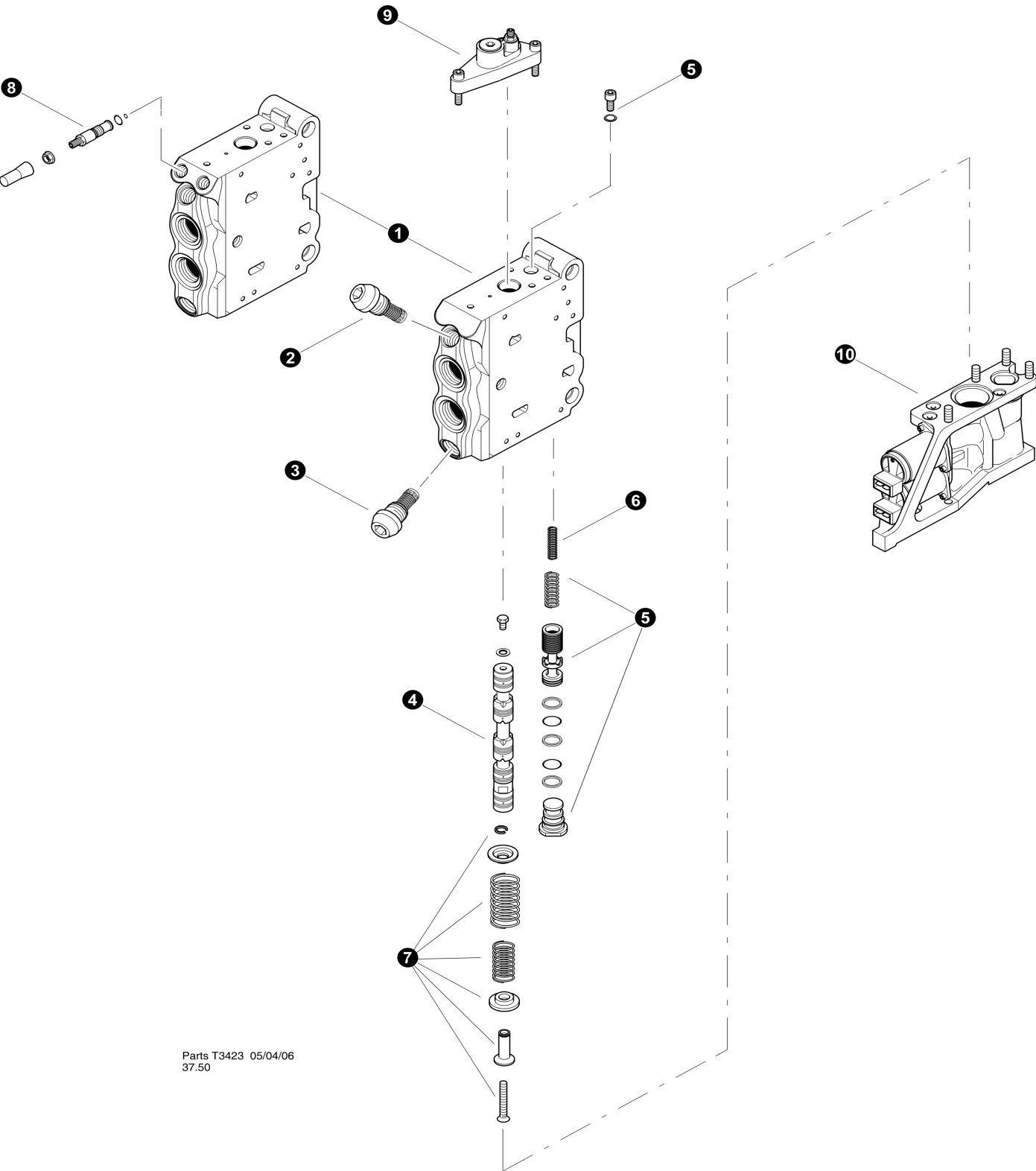
(Disc Saw / Bar Saw)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	47378-FH	1		MAIN, VALVE - IMP (DISC SAW) SMART VALVE	
1	---	1		ROD, tie - K220 (3-Section span with LOKOMEK)	
2	---	1		KIT, Bracket - K220 (9120092365)	
3	---	1		COVER, K220 Valve	
4	24649-FH	1		KIT, Seals - Voac Intersection (9120092315)	
5	REF.	1		VALVE SECTION - Tool Tilt CYL function	FH-1
6	REF.	1		VALVE SECTION - Stick Boom function	FH-1
7	REF.	1		VALVE SECTION - Main Boom function	FH-1
8	24649-FH	1		KIT, Seals - Voac Parting "K" (9120092315)	
9	REF.	1		MID INLET / OUTLET	FH-1
10	23404-FH	1		KIT, Seals - Voac Parting "L" (393000K820)	
11	23404-FH	1		KIT, Seals - Voac Parting "L" (393000K820)	
12	REF	1		VALVE SECTION - Cab Level	FH-1
13	REF	1		VALVE SECTION - Cab Level	FH-1
14	REF.	1		VALVE SECTION - Accumulator	FH-1
15	REF.	1		VALVE SECTION - Clamp Arms	FH-1
16	REF.	1		VALVE SECTION - Head Lateral Tilt	FH-1
17	---	1		KIT, Tie Rods and Nuts - L90 (5-Section span) (393000K004)	
18	REF	1		COVER, L90 valve outlet.	FH-1
19	---	1		KIT, Bracket - L90 (393000K824)	
20	---	1		LOKOMEK VALVE (Call TimberPro for more info)	

 Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.

Shown are standard valve configurations, some machines have custom built valves, contact the factory for more informatoin if your valve doesn't match what is shown.



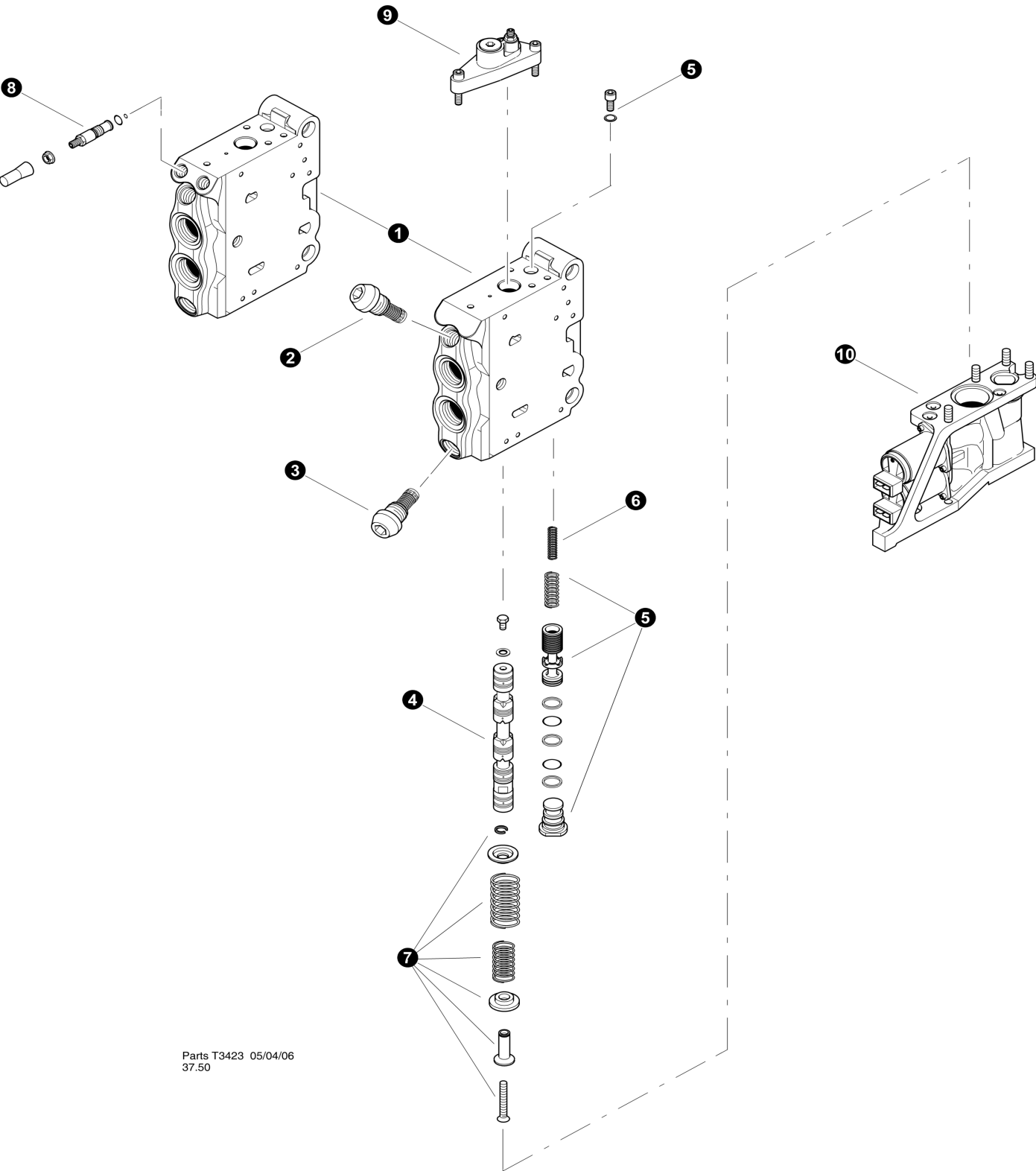
Parts T3423 05/04/06
37.50

L90LS VALVE SECTION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	-FH	1		VALVE SECTION - Accumulator Arms (L90LS-MS-US60-282A V)	
1	NSS	1		BODY	
2	---	1		CARTRIDGE, "A" port relief (300 Bar) (393000K572)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (393000K572)	
4	---	1		SPOOL, UUX (393000S869)	
5	---	1		KIT, "KX" COMPENSATOR, BLUE (393000K616)	
5	---	1		KIT, "KX" COMPENSATOR, GREEN (393000K617)	
-	---	1		KIT, compensator seals (393000K811)	
6	---	1		SPRING, (only used with KX compensator kit)	
7	23423-FH	1		KIT, spool centering spring (393000K343)	
8	---	2		KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
9	REF	1		END CAP ASSEMBLY - "A" port	FH-1
10	REF	1		END CAP ASSEMBLY - "B" port	FH-1
-	-FH	1		VALVE SECTION - Head Rotate / Lateral Tilt (L90LS-MS-US60-281 Q)	
1	NSS	1		BODY	
2	---	1		CARTRIDGE, "A" port relief (300 Bar) (393000K572)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (393000K572)	
4	---	1		SPOOL, RKX (393000S490)	
5	---	1		KIT, "KX" COMPENSATOR, BLUE (393000K616)	
5	---	1		KIT, "KX" COMPENSATOR, GREEN (393000K617)	
-	---	1		KIT, compensator seals (393000K811)	
6	---	1		SPRING, (only used with KX compensator kit)	
7	23423-FH	1		KIT, spool centering spring (393000K343)	
8	---	2		KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
9	REF	1		END CAP ASSEMBLY - "A" port	FH-1
10	REF	1		END CAP ASSEMBLY - "B" port	FH-1
-	-FH	1		VALVE SECTION - Clamp Arms (L90LS-MS-US60-282A V)	
1	NSS	1		BODY	
2	---	1		CARTRIDGE, "A" port relief (300 Bar) (393000K572)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (393000K572)	
4	---	1		SPOOL, UUX (393000S869)	
5	---	1		KIT, "KX" COMPENSATOR, BLUE (393000K616)	
5	---	1		KIT, "KX" COMPENSATOR, GREEN (393000K617)	
-	---	1		KIT, compensator seals (393000K811)	
6	---	1		SPRING, (only used with KX compensator kit)	
7	23423-FH	1		KIT, spool centering spring (393000K343)	
8	---	2		KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
9	REF	1		END CAP ASSEMBLY - "A" port	FH-1
10	REF	1		END CAP ASSEMBLY - "B" port	FH-1

 Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.



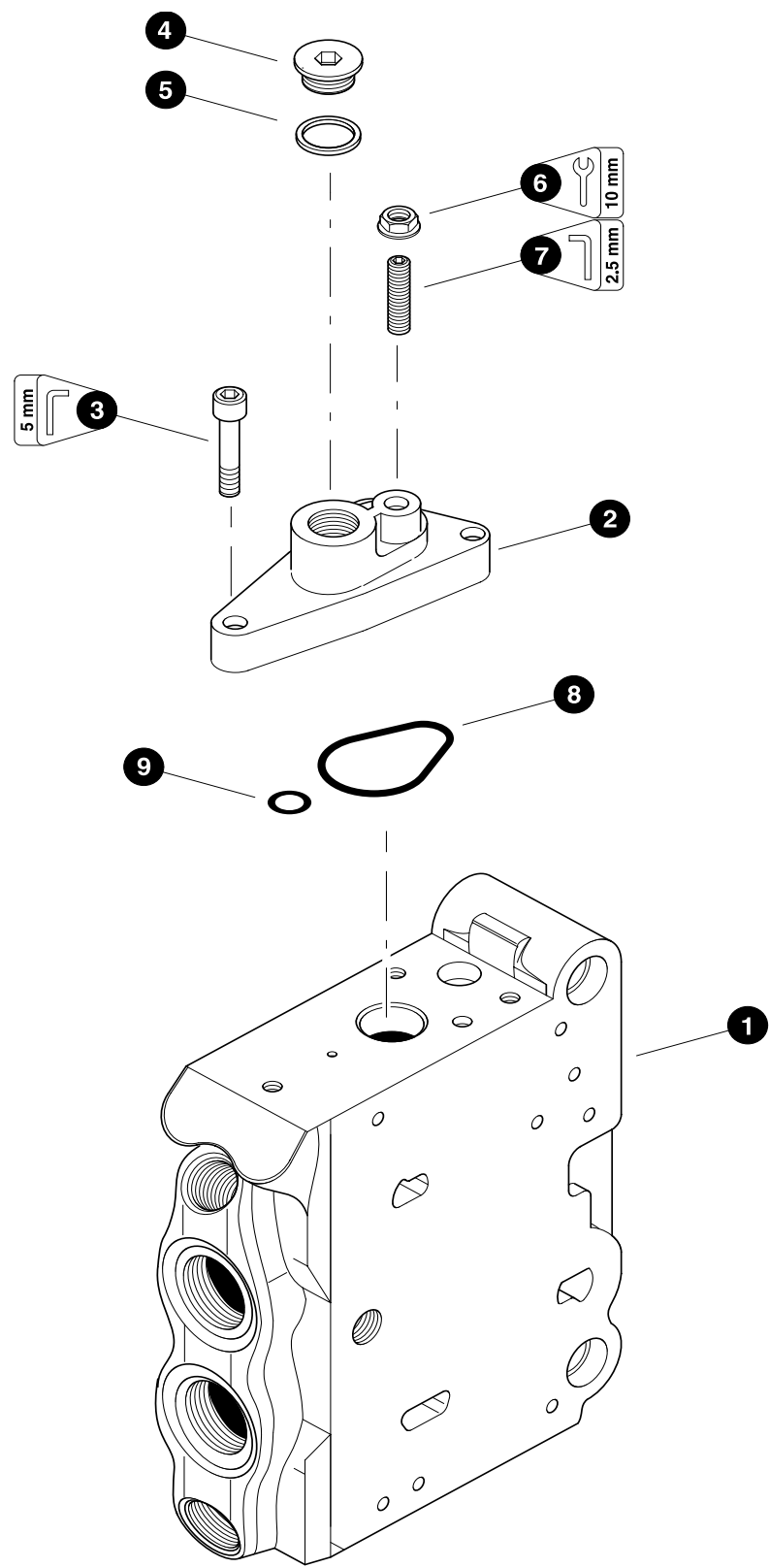
Parts T3423 05/04/06
37.50

L90LS VALVE SECTION continued.....

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	-FH	1		VALVE SECTION - Cab Level (L90LS-04-033325-02)	
1	NSS	1		BODY	
2	---	1		CARTRIDGE, "A" port relief (300 Bar) (393000K572)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (393000K572)	
4	---	1		SPOOL, MUX (393000S594)	
5	---	1		KIT, "KX" COMPENSATOR, BLUE (393000K616)	
5	---	1		KIT, "KX" COMPENSATOR, GREEN (393000K617)	
-	---	1		KIT, compensator seals (393000K811)	
6	---	1		SPRING, (only used with KX compensator kit)	
7	23423-FH	1		KIT, spool centering spring (393000K343)	
8	---	2		KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
9	REF	1		END CAP ASSEMBLY - "A" port	FH-1
10	REF	1		END CAP ASSEMBLY - "B" port	FH-1

 Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.



L90LS VALVE END CAP

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	NSS	1		VALVE SECTION BODY	
-	23414-FH	1	☐	KIT, end cap - "A" port side	
2	NSS	1		CAP, end	
3	-----	3		BOLT, allen head - 6mm-1.0P x 20mm (0211124703)	
4	15412-FH	1		PLUG - 6408-FHP-6	
5	-----	1	⌘	RING, seal (3-906)	
6	-----	1	⌘	NUT, seal - 6mm (3763131)	
7	-----	1		SCREW, adjustment (3764640)	
-	23415-FH	1	☐	KIT, seal repair - "A" port side end cap	
8	-----	1	⌘	O-RING (Large) (0663210509)	
9	-----	1	⌘	O-RING (Small) (06632114)	



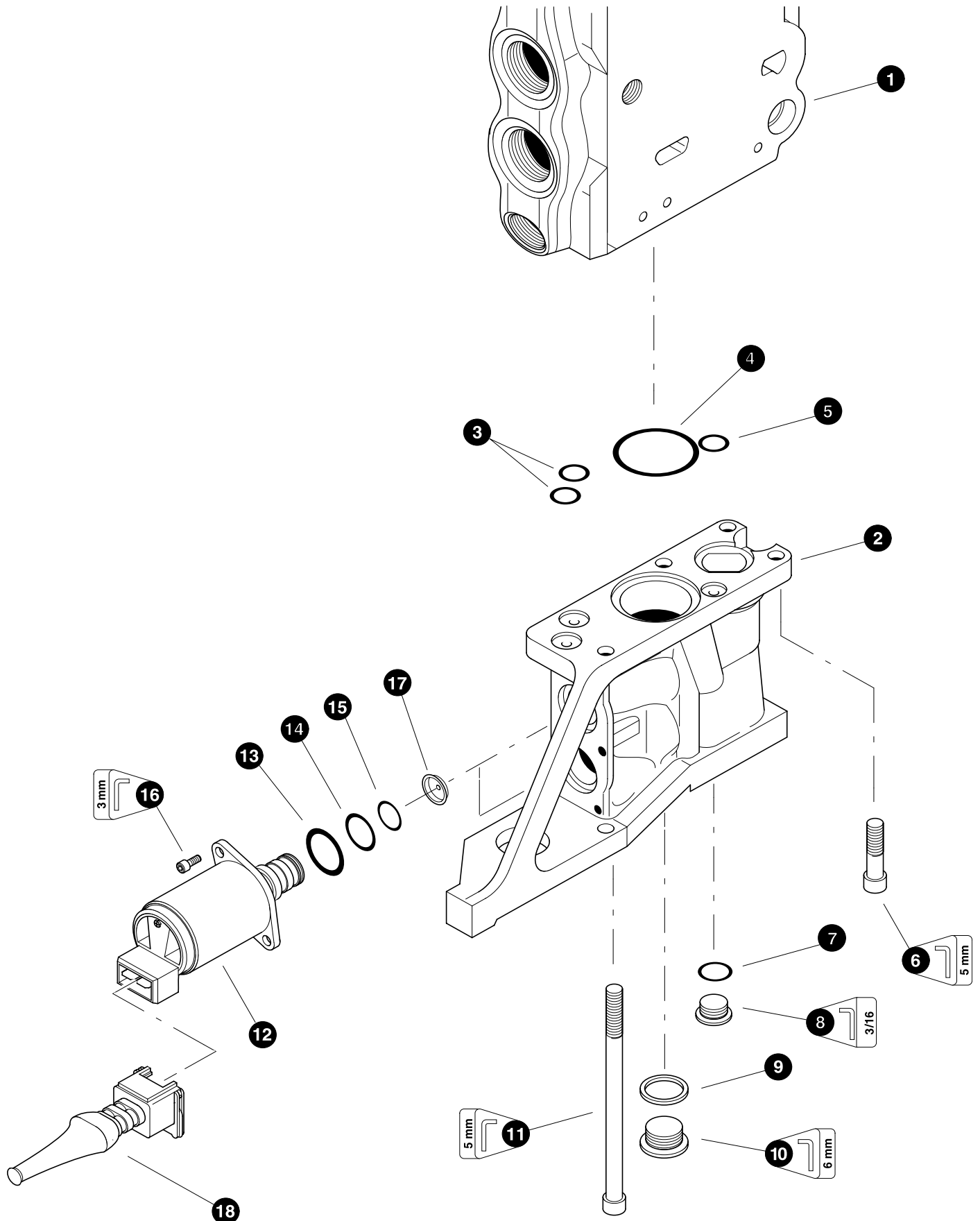
See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Included in seal repair kit PN# 23415-FH.



L90LS VALVE CONTROL CAP

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	NSS	1		VALVE SECTION BODY	
-	23416-FH	1	□	KIT, end cap - "B" port side	
2	-----	1		CAP, end	
3	-----	2	⌘	O-RING (Small)	
4	-----	1	⌘	O-RING (Large)	
5	-----	1	⌘	O-RING (Small)	
6	-----	2		BOLT, allen head - 6mm-1.0P x 20mm (0211124703)	
7	-----	1	⌘	O-RING	
8	11383-FH	1		PLUG - 6408-FHP-4	
9	-----	1	⌘	RING, seal	
10	-----	1		PLUG (0686644203)	
11	-----	2		SCREW, allen head - 6mm-1.0P x 100mm (0211126403)	
12	20976-FH	2		SOLENOID - 24V	
13	-----	2	◆	O-RING (Large)	
14	-----	2	◆	O-RING (Medium)	
15	-----	2	◆	O-RING (Small)	
16	-----	4		SCREW, allen head - 4mm-.75P x 12mm (0211117103)	
17	---	1		DAMPER, pilot restrictor orifice 0.6 mm (3762396) - 1 DOT	
17	---	1		DAMPER, pilot restrictor orifice 0.8 mm (3762397) - 2 DOT	
17	---	1		DAMPER, pilot restrictor orifice 1 mm (3762398) - 3 DOT	
17	---	1		DAMPER, pilot restrictor orifice 1.1 mm (3762609) - 4 DOT	
17	---	1		DAMPER, pilot restrictor orifice 3 mm (3763308)	
18	19179-FH	2		CONNECTOR, (kit) voac controll valve	
-	23417-FH	1		KIT, seal repair - "B" port side end cap	
-	23418-FH	1		KIT, seal repair - solenoid	



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Included in seal repair kit PN# 23417-FH.



Included in seal repair kit PN# 23418-FH.

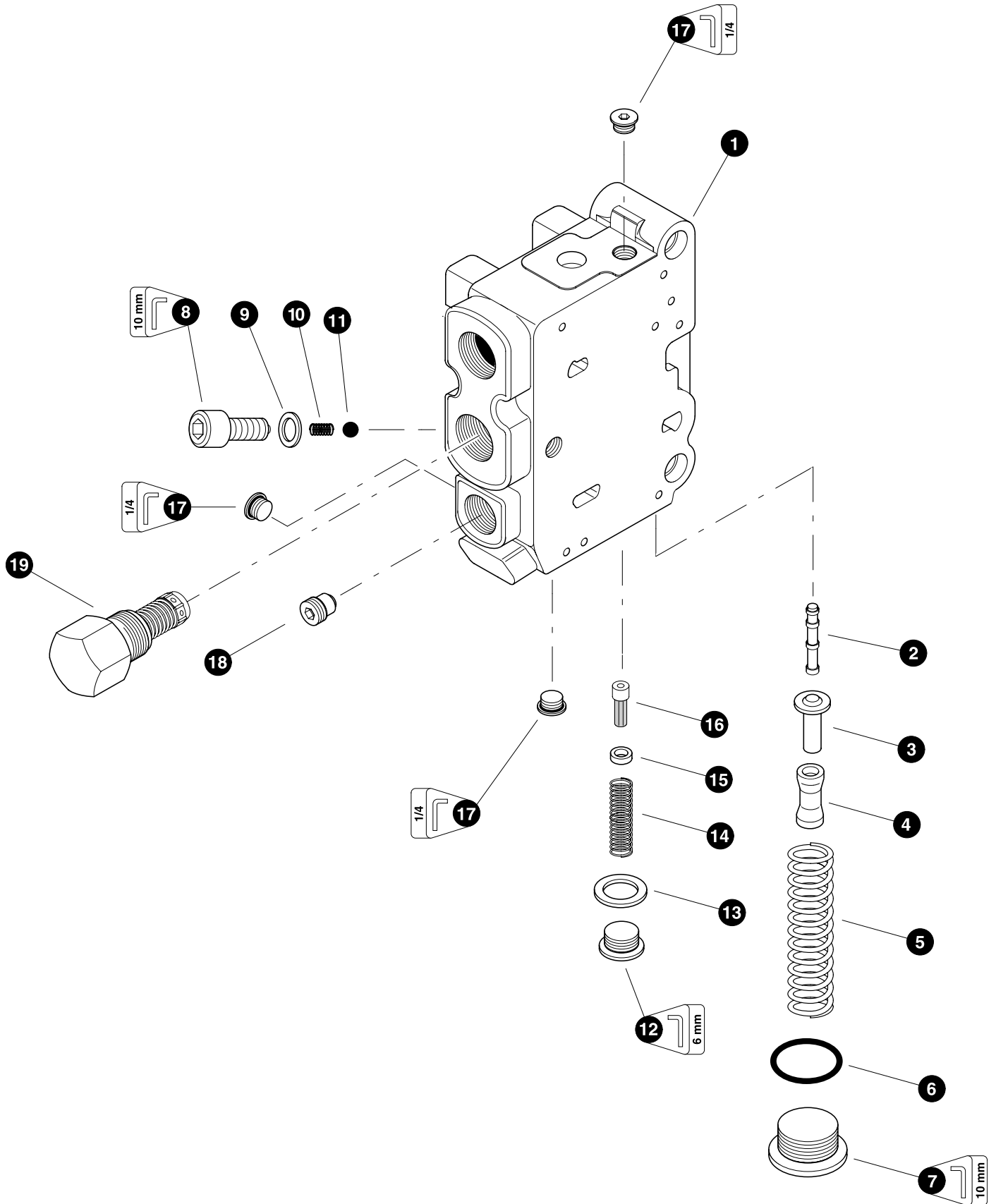
NOTE #1:

Orifice sizes vary depending upon function.

#3762396 0.6 mm

#3762397 0.8 mm

#3762398 1.0 mm



Parts 01319 09/16/99
62.00

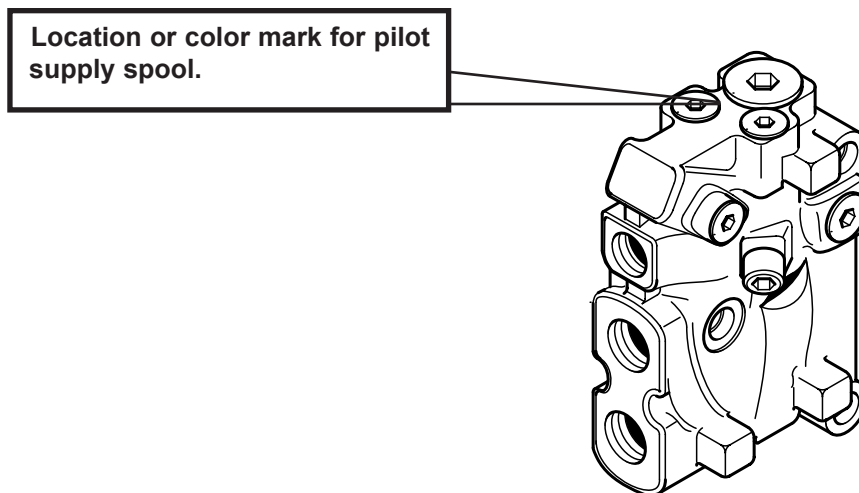
L90LS VALVE OUTLET

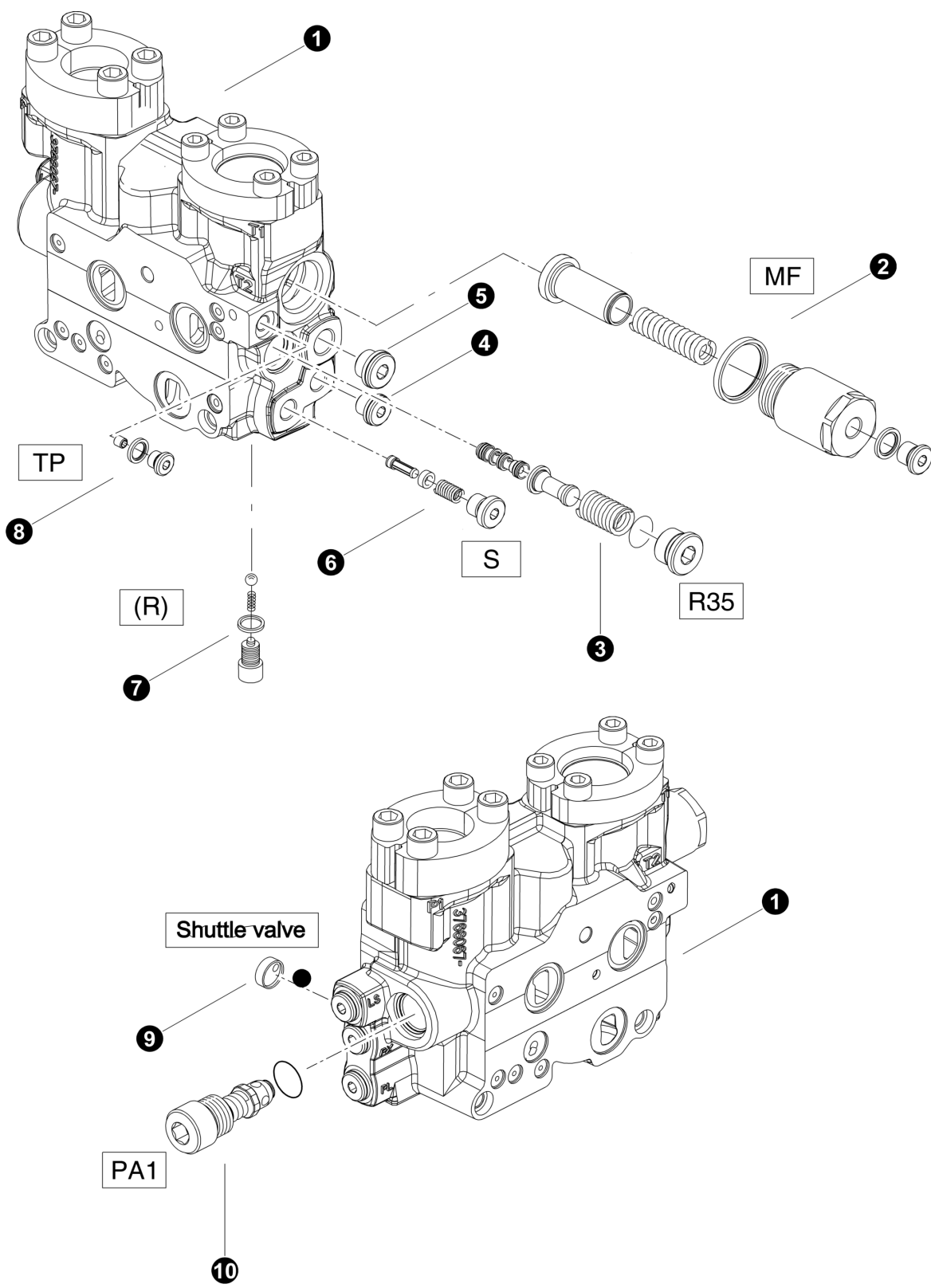
REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	23412-FH	1	☐	VALVE SECTION, outlet	
1	NSS	1		BODY, valve section	
-	23431-FH	1	☐	KIT, pilot supply reducer (Green)(35 bar)(see note #1)	
	23432-FH	1	☐	KIT, pilot supply reducer (Red)(35 bar)(see note #1)	
2	-----	1		SPOOL, pilot reducer	
3	-----	1		RETAINER, spring	
4	-----	1		SPACER, spring	
5	-----	1		SPRING	
6	-----	1		O-RING (0663909901)	
7	-----	1		PLUG (9126244413)	
8	-----	1		PLUG (9127320022)	
9	-----	1		RING, seal (06611005)	
10	-----	1		SPRING	
11	-----	1		BALL, check	
-	23433-FH	1	☐	KIT, pilot supply strainer	
12	-----	1		PLUG (9127320020)	
13	-----	1		RING, seal (06611020)	
14	-----	1		SPRING	
15	-----	1		SPACER	
16	-----	1		STRAINER (9126386076)	
17	15412-FH	3		PLUG - 6408-FHP-6	
18	-----	1		PLUG, pilot drain (393000K078)	
19	-----	1		Counter press. valve - 130 PSI (393000K068)	

☐ Kit or Assembly - includes all items indented underneath.

NOTE #1

Each section is color coded to insure proper fit, please check color mark before ordering.





Parts T3422 05/02/2006
50.00

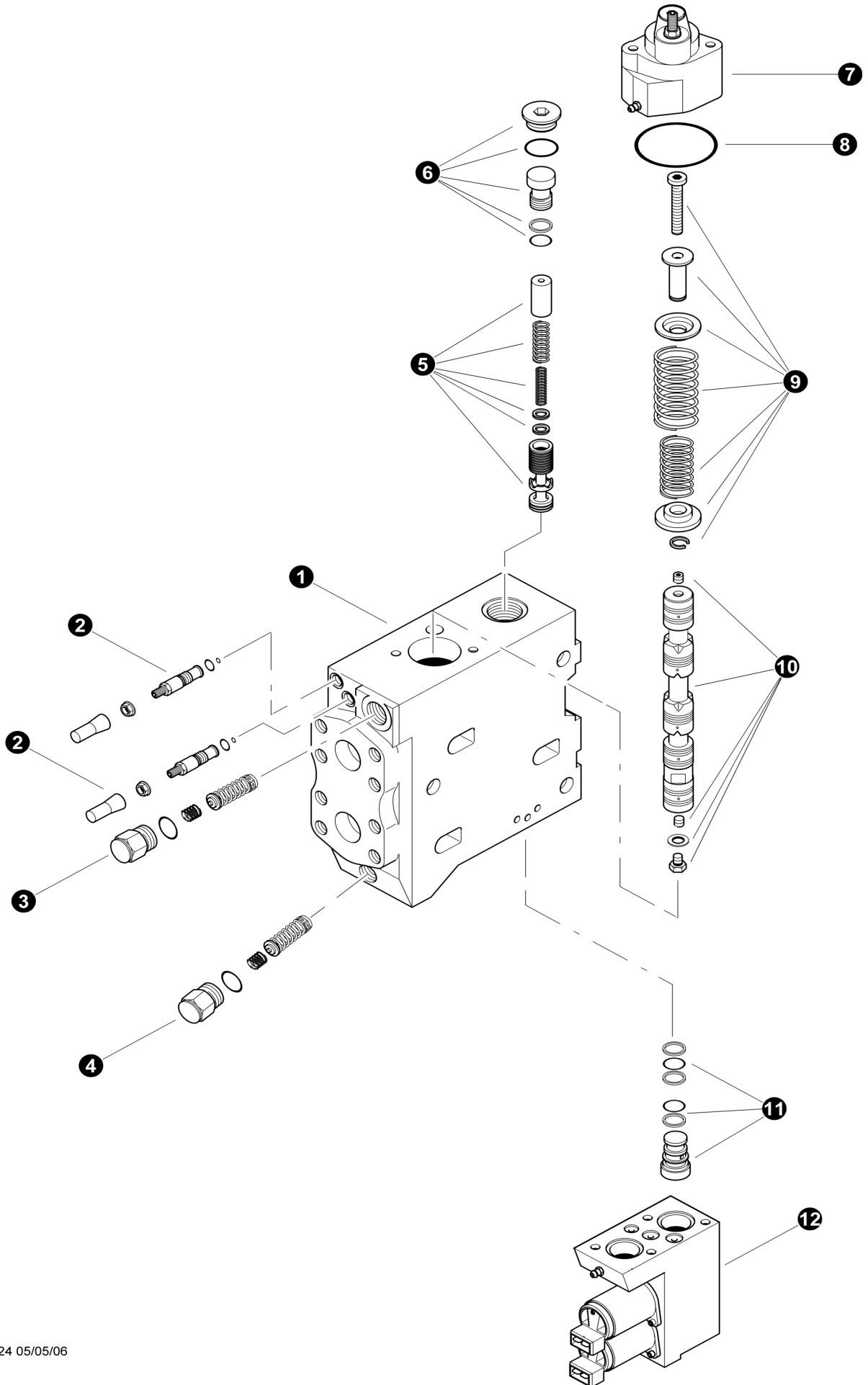
MID INLET SECTION K220 to L90

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	-FH	1	☐	MID INLET SECTION -	
2	---	1		VALVE, Counter Pressure (9120092550)	
3	---	1		VALVE, Pilot Reducer 35 bar (9120092553)	
4	---	1		PLUG	
5	---	1		PLUG	
6	---	1		FILTER, Internal Pilot (9120092004)	
7	---	1		VALVE, Check (9120092554)	
8	---	1		PLUG, pilot tank conection (9120092555)	
9	---	1		SHUTTLE, Load Sence (9120092050)	
10	---	1		VALVE, main relief 300 bar (9120029264)	

☐ Kit or Assembly - includes all items indented underneath.

NOTE #1

Each section is color coded to insure proper fit, please check color mark before ordering.



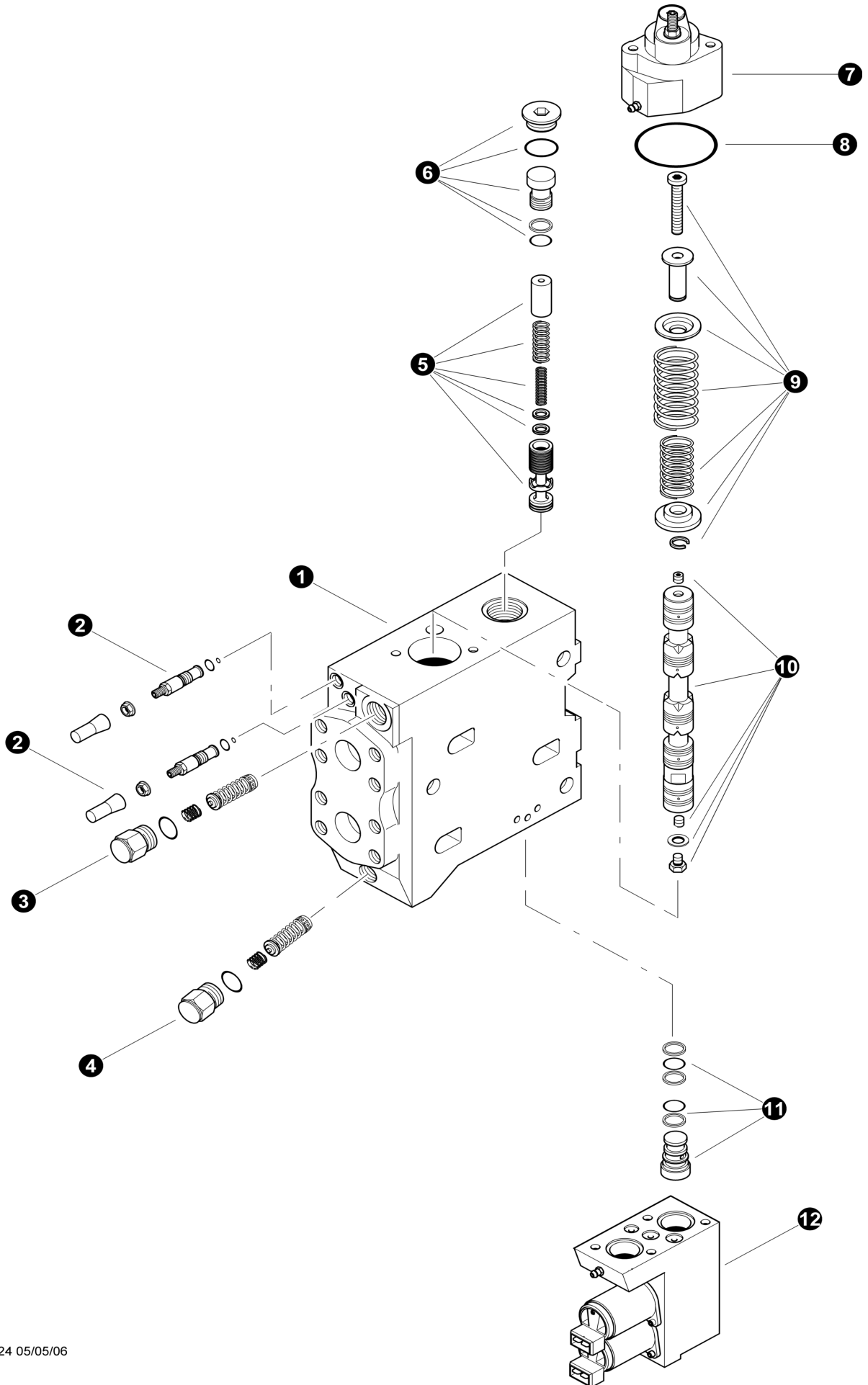
Parts T3424 05/05/06
37.5

VOAC K220 VALVE SECTION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	-FH	1	☐	VALVE SECTION - Main Boom function (K220LS-04-033324-03)	
1	NSS	1		BODY	
2	---	2	☐	KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (9120029967)	
4	---	1		CARTRIDGE, "A" port relief (300 Bar) (9120029967)	
5	---	1		KIT, "K3" COMPENSATOR, BLUE (9120092056)	
5	---	1		KIT, "K3" COMPENSATOR, GREEN (9120092060)	
5	---	1		KIT, "K3" COMPENSATOR, RED (9120092064)	
6	---	1	☐	PLUG 8, Compensator (9120092480)	
-	---	1		KIT, Plug 8 seals (9120092482)	
7	REF.	1	📖	CAP, "B"port.	FH-1
8	---	1		KIT, seals (9120092284)	
9	23423-FH	1		KIT, spool centering spring (393000K343)	
10	---	1		SPOOL, CFA (6763836)	
11	---	1	☐	PLUG 6, Compensator (3764731)	
-	---	1		KIT, Seal Plug 6 (9120092355)	
12	REF	1	📖	END CAP ASSEMBLY - "A" port.	FH-1
-	-FH	1	☐	VALVE SECTION - Stick Boom function (K220LS-04-033324-03)	
1	NSS	1		BODY	
2	---	2	☐	KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (9120029960)	
4	---	1		CARTRIDGE, "A" port relief (300 Bar) (9120029967)	
5	---	1		KIT, "K2" COMPENSATOR, BLUE (9120092063)	
5	---	1		KIT, "K2" COMPENSATOR, GREEN (9120092059)	
5	---	1		KIT, "K2" COMPENSATOR, RED (9120092055)	
6	---	1	☐	PLUG 8, Compensator (9120092480)	
-	---	1		KIT, Plug 8 seals (9120092482)	
7	REF.	1	📖	CAP, "B"port.	FH-1
8	---	1		KIT, seals (9120092284)	
9	23423-FH	1		KIT, spool centering spring (393000K343)	
10	---	1		SPOOL, CFX (6763835)	
11	---	1	☐	PLUG 6, Compensator (3764731)	
-	---	1		KIT, Seal Plug 6 (9120092355)	
12	REF	1	📖	END CAP ASSEMBLY - "A" port.	FH-1

☐ Kit or Assembly - includes all items indented underneath.

📖 See referenced page for component or assembly breakdown.



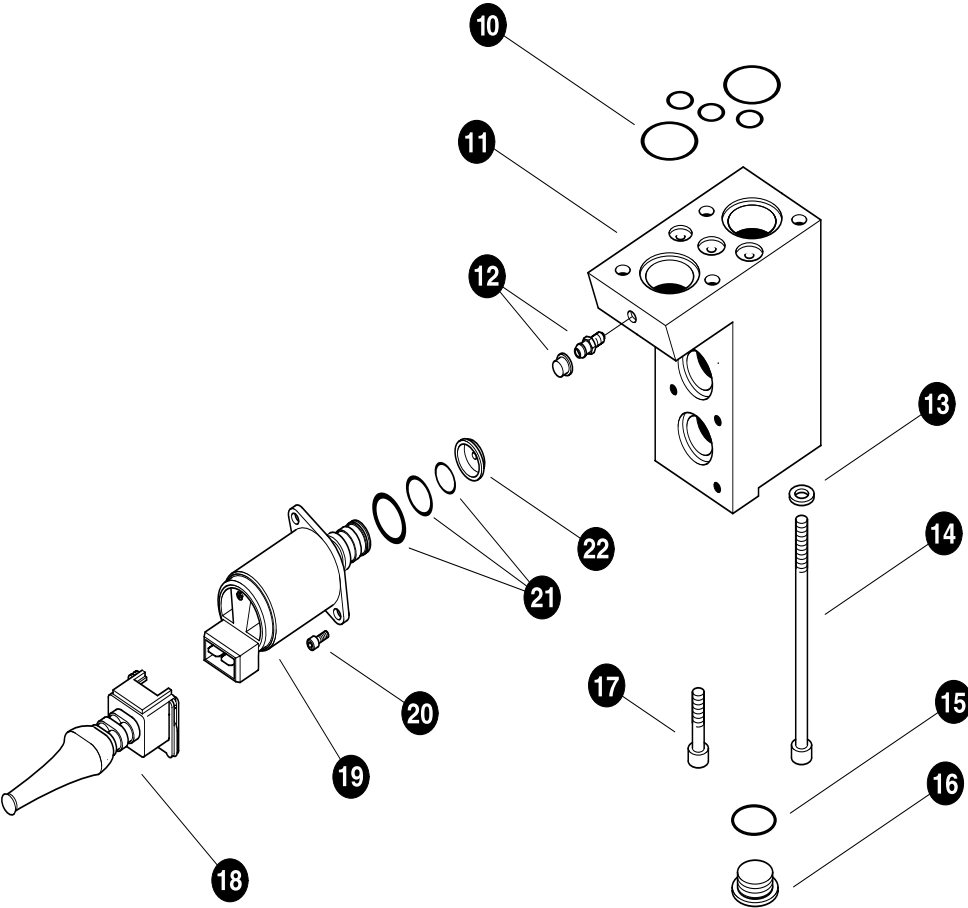
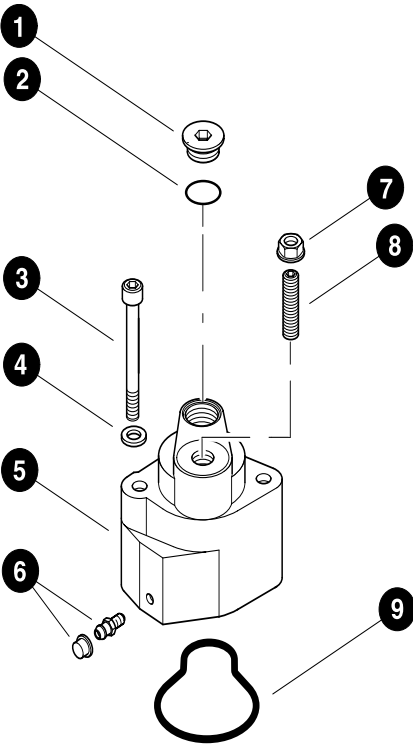
Parts T3424 05/05/06
37.5

VOAC K220 VALVE SECTION continued.....

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	-FH	1	☐	VALVE SECTION - Tool Cylinder function ((K220LS-MS-US60-236 F)	
1	NSS	1		BODY	
2	---	2	☐	KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (9120029967)	
4	---	1		CARTRIDGE, "A" port relief (300 Bar) (9120029967)	
5	---	1		KIT, "K2" COMPENSATOR, BLUE (9120092063)	
5	---	1		KIT, "K2" COMPENSATOR, GREEN (9120092059)	
5	---	1		KIT, "K2" COMPENSATOR, RED (9120092055)	
6	---	1	☐	PLUG 8, Compensator (9120092480)	
-	---	1		KIT, Plug 8 seals (9120092482)	
7	REF.	1	📖	CAP, "B"port.	FH-1
8	---	1		KIT, seals (9120092284)	
9	23423-FH	1		KIT, spool centering spring (393000K343)	
10	---	1		SPOOL, YRX	
11	---	1	☐	PLUG 6, Compensator (3764731)	
-	---	1		KIT, Seal Plug 6 (9120092355)	
12	REF	1	📖	END CAP ASSEMBLY - "A" port	FH-1

☐ Kit or Assembly - includes all items indented underneath.

📖 See referenced page for component or assembly breakdown.



Parts T2762 07/15/03
50.00

VOAC K220 VALVE END CAPS

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	51264-FH	1	☐	CUP, PILOT - K220 W / FLOW LIMIT	
1	---	1		PLUG	
2	---	1	⌘	O-RING	
3	---	2		BOLT, M6 X 35mm (3764640)	
4	---	2		WASHER, M6	
5	---	1		CAP	
6	---	1		BLEEDER	
7	---	1	⌘	NUT, seal M6 (91267109)	
8	---	1		SCREW	
9	26418-FH	1	⌘	KIT, cup seals - includes orings, seal nut and bleeder (9120092284)	
-	---	1	☐	KIT, CONTROL "A port side" K220	
10	26417-FH	1	◆	KIT, O-RING	
11	---	1		CAP	
12	---	1		BLEEDER	
13	---	4		WASHER, M6	
14	---	2		BOLT, M6 X 110mm (0211126603)	
15	---	1	◆	O-RING	
16	---	1		PLUG	
17	---	2		BOLT, M6 X 22mm (0211124803)	
18	19179-FH	2		KIT, CONNECTOR -VOAC solenoid	
-	20976-FH	2		KIT, SOLENOID VALVE 24V	
19	---	1		SOLENOID VALVE 24V	
20	---	2		SCREW, 4mm x 12mm (0211117103)	
21	---	1		KIT, SEAL -SOLENOID VALVE (393000K813)	
22	---	1		DAMPER, pilot restrictor orifice 0.6 mm (3762396) - 1 DOT	
22	---	1		DAMPER, pilot restrictor orifice 0.8 mm (3762397) - 2 DOT	
22	---	1		DAMPER, pilot restrictor orifice 1 mm (3762398) - 3 DOT	
22	---	1		DAMPER, pilot restrictor orifice 1.1 mm (3762609) - 4 DOT	
22	---	1		DAMPER, pilot restrictor orifice 3 mm (3763308)	

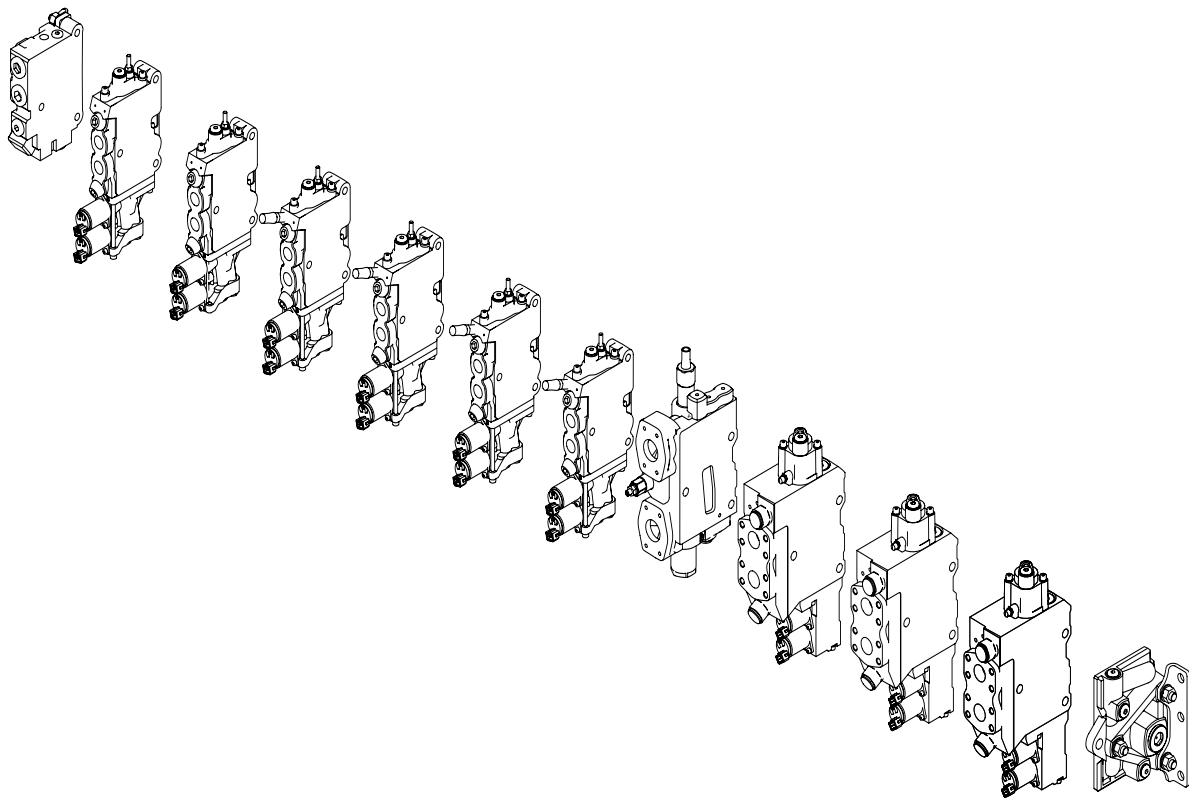
☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit PN# - 26418-FH

◆ Included in seal repair kit PN# - 26417-FH

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VOAC K220 VALVE END CAPS

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	51264-FH	1	☐	CUP, PILOT - K220 W / FLOW LIMIT	
1	---	1		PLUG	
2	---	1	⌘	O-RING	
3	---	2		BOLT, M6 X 35mm (3764640)	
4	---	2		WASHER, M6	
5	---	1		CAP	
6	---	1		BLEEDER	
7	---	1	⌘	NUT, seal M6 (91267109)	
8	---	1		SCREW	
9	26418-FH	1	⌘	KIT, cup seals - includes orings, seal nut and bleeder (9120092284)	
-	---	1	☐	KIT, CONTROL "A port side" K220	
10	26417-FH	1	◆	KIT, O-RING	
11	---	1		CAP	
12	---	1		BLEEDER	
13	---	4		WASHER, M6	
14	---	2		BOLT, M6 X 110mm (0211126603)	
15	---	1	◆	O-RING	
16	---	1		PLUG	
17	---	2		BOLT, M6 X 22mm (0211124803)	
18	19179-FH	2		KIT, CONNECTOR -VOAC solenoid	
-	20976-FH	2		KIT, SOLENOID VALVE 24V	
19	---	1		SOLENOID VALVE 24V	
20	---	2		SCREW, 4mm x 12mm (0211117103)	
21	---	1		KIT, SEAL -SOLENOID VALVE (393000K813)	
22	---	1		DAMPER, pilot restrictor orifice 0.6 mm (3762396) - 1 DOT	
22	---	1		DAMPER, pilot restrictor orifice 0.8 mm (3762397) - 2 DOT	
22	---	1		DAMPER, pilot restrictor orifice 1 mm (3762398) - 3 DOT	
22	---	1		DAMPER, pilot restrictor orifice 1.1 mm (3762609) - 4 DOT	
22	---	1		DAMPER, pilot restrictor orifice 3 mm (3763308)	

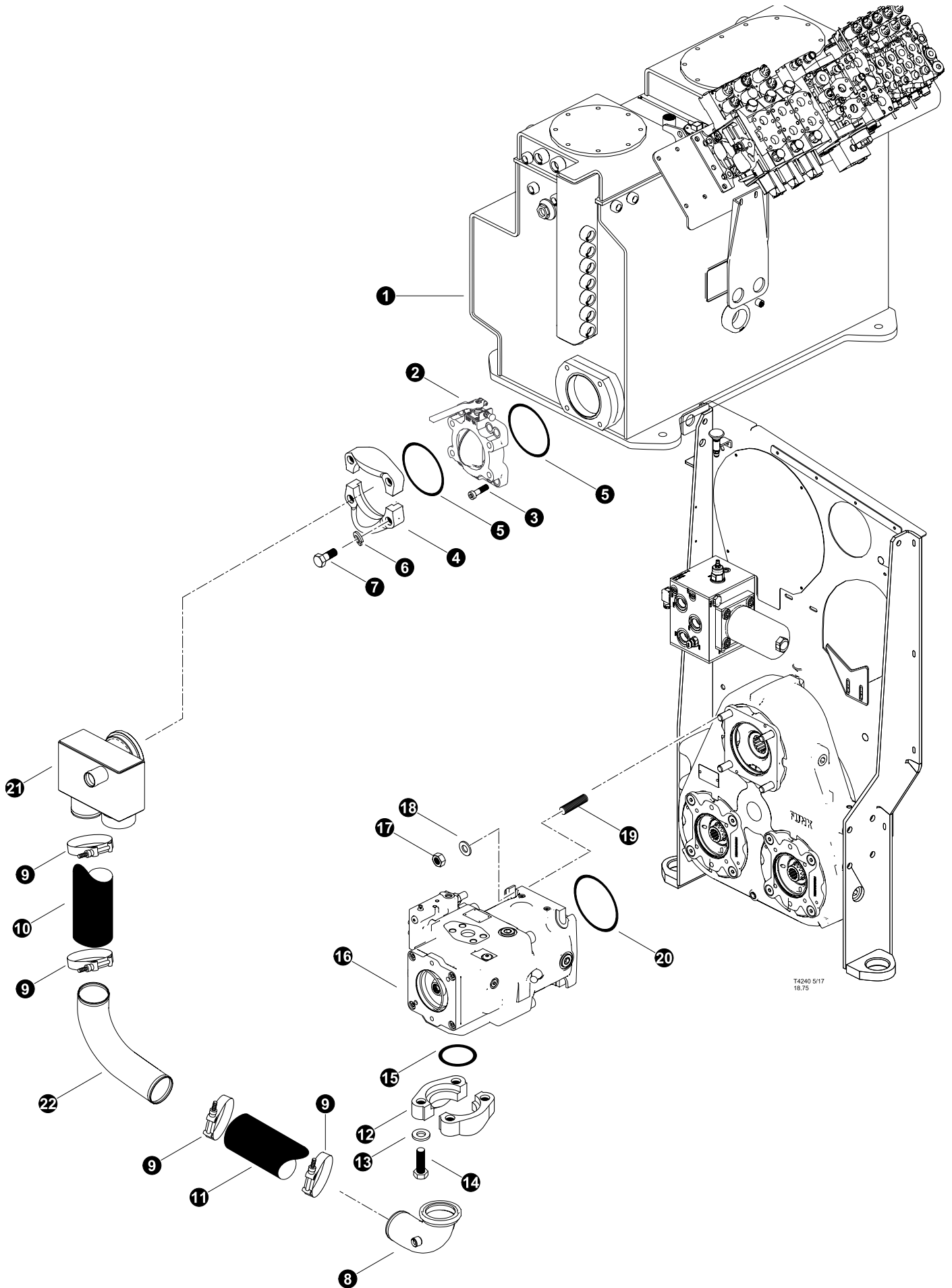
☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit PN# - 26418-FH

◆ Included in seal repair kit PN# - 26417-FH

Section FH-2

Feller Buncher Hydraulics - Supply, Tank, Load sense, and Drain Circuits



T4240 517
18.75

IMPLEMENT PUMP INSTALLATION REXROTH 145cc AA11VLO PUMP

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		HYDRAULIC TANK ASSEMBLY	UP-2
2	54786-FH	1		VALVE, SHUT OFF - BUTTERFLY (4")	
3	23095-FH	4		BOLT, ALLEN HEAD - .625" x 2"	
4	51625-FH	1		KIT, FLANGE - SUCTION TUBE (4")	
5		1		O-RING - SUCTION TUBE (4")	
6	10721-FH	4		WASHER, LOCK - .625"	
7	-FH	4		M16X2.0X50MM (83514A)	
8	57262-FH	1		TUBE, SUCTION - IMP PUMP / C SERIES	
-	55615-FH	1		FITTING, ADAPTOR - BLEED - SUCTION TUBE	
9	15613-FF	2		CLAMP, STRAP BAND - 3.5"	
10	-FH	1		HOSE ASSEMBLY - 2005 48-0-0	
11	-FH	1		HOSE ASSEMBLY - 2021 48-0-0	
12	22639-FH	1		KIT, split flange - 3" (Code 61)	
13	15562	4		BOLT - 5/8" x 2"	
14	10721-FH	4		WASHER, LOCK - .625"	
15	18695-FH	1		O-RING - 3" SF	
16	REF	1		IMPLEMENT PUMP.	FH-1
17	10776-FH	4		NUT, hex - 3/4"	
18	15550-FH	4		WASHER, SAE flat - 3/4	
19	40281351-FF	4		STUD, "D" Mount	
20	15442-2-FH	1		O-RING, PUMP DRIVE PILOT	
21	46200-FH	1		WELDMENT, SUCTION TUBE, C-MODEL	
22	57261-FH	1		TUBE, SUCTION -TANK MANIFOLD TO IMP PUMP	



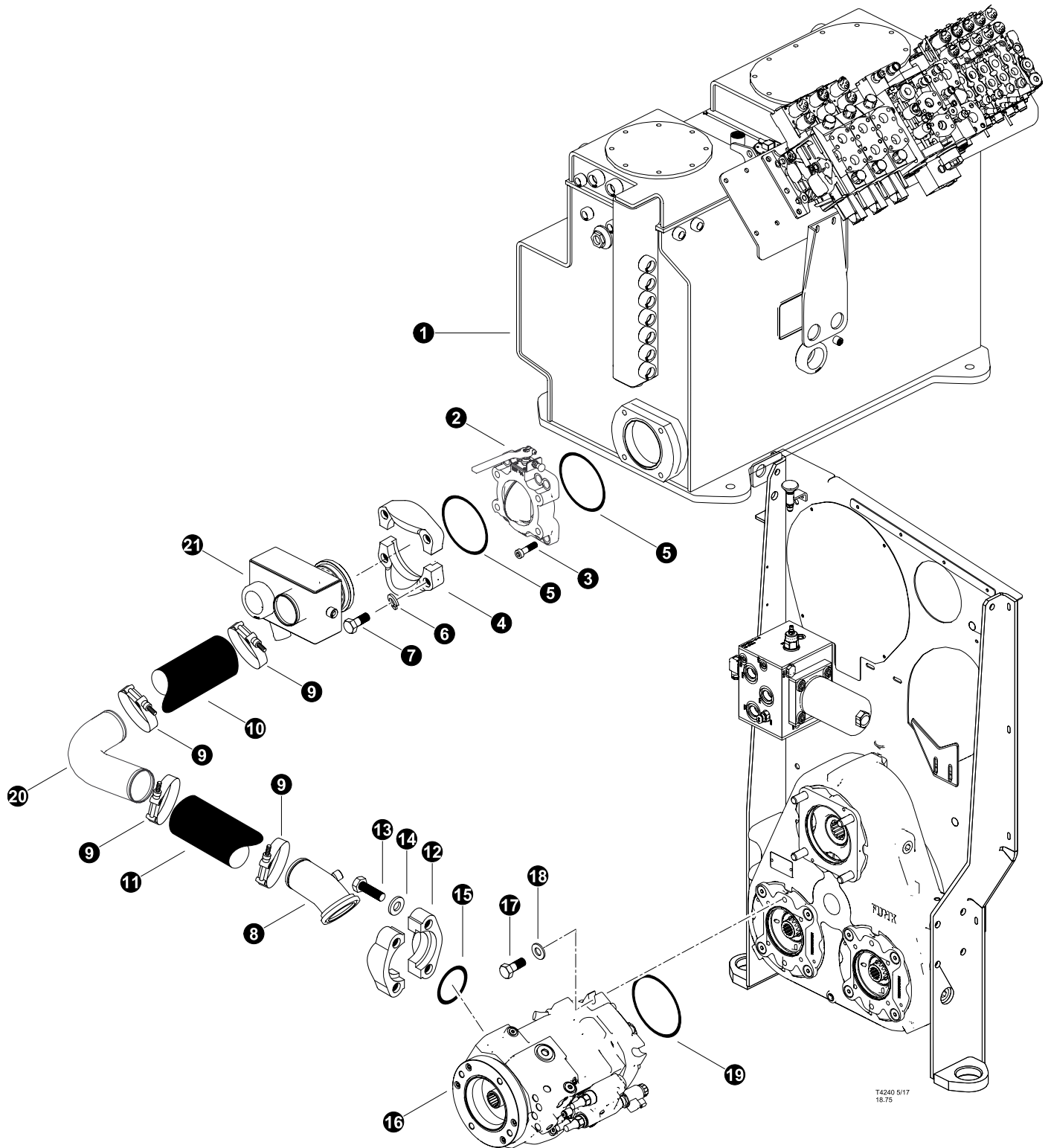
See referenced page for component or assembly breakdown.



Bulk material - order length required in feet or meters.



Kit or Assembly - includes all items indented underneath.



IMPLEMENT PUMP INSTALLATION LINDE PUMP

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		HYDRAULIC TANK ASSEMBLY	UP-2
2	54786-FH	1		VALVE, SHUT OFF - BUTTERFLY (4")	
3	23095-FH	4		BOLT, ALLEN HEAD - .625" x 2"	
4	51625-FH	1		KIT, FLANGE - SUCTION TUBE (4")	
5		1		O-RING - SUCTION TUBE (4")	
6	10721-FH	4		WASHER, LOCK - .625"	
7	-FH	4		M16X2.0X50MM (83514A)	
8	48759-FH	1		TUBE, SUCTION - LINDE	
-	55615-FH	1		FITTING, ADAPTOR - BLEED - SUCTION TUBE	
9	15613-FF	2		CLAMP, STRAP BAND - 3.5"	
10	-FH	1		HOSE ASSEMBLY - 2013 48-0-0	
11	-FH	1		HOSE ASSEMBLY - 2021 48-0-0	
12	15193-FH	1		KIT, split flange - 2.5" (Code 61)	
13	15562	4		BOLT - 5/8" x 2"	
14	10721-FH	4		WASHER, LOCK - .625"	
15	15390-FH	1		O-RING - 2.5" SF	
16	REF	1		IMPLEMENT PUMP.	FH-1
17	-FH	4		BOLT,	
18	15550-FH	4		WASHER, SAE flat - 3/4	
19	15442-2-FH	1		O-RING, PUMP DRIVE PILOT	
20	57261-FH	1		TUBE, SUCTION -TANK MANIFOLD TO IMP PUMP	
21	48757-FH	1		WELDMENT, SUCTION TUBE-LINDE	



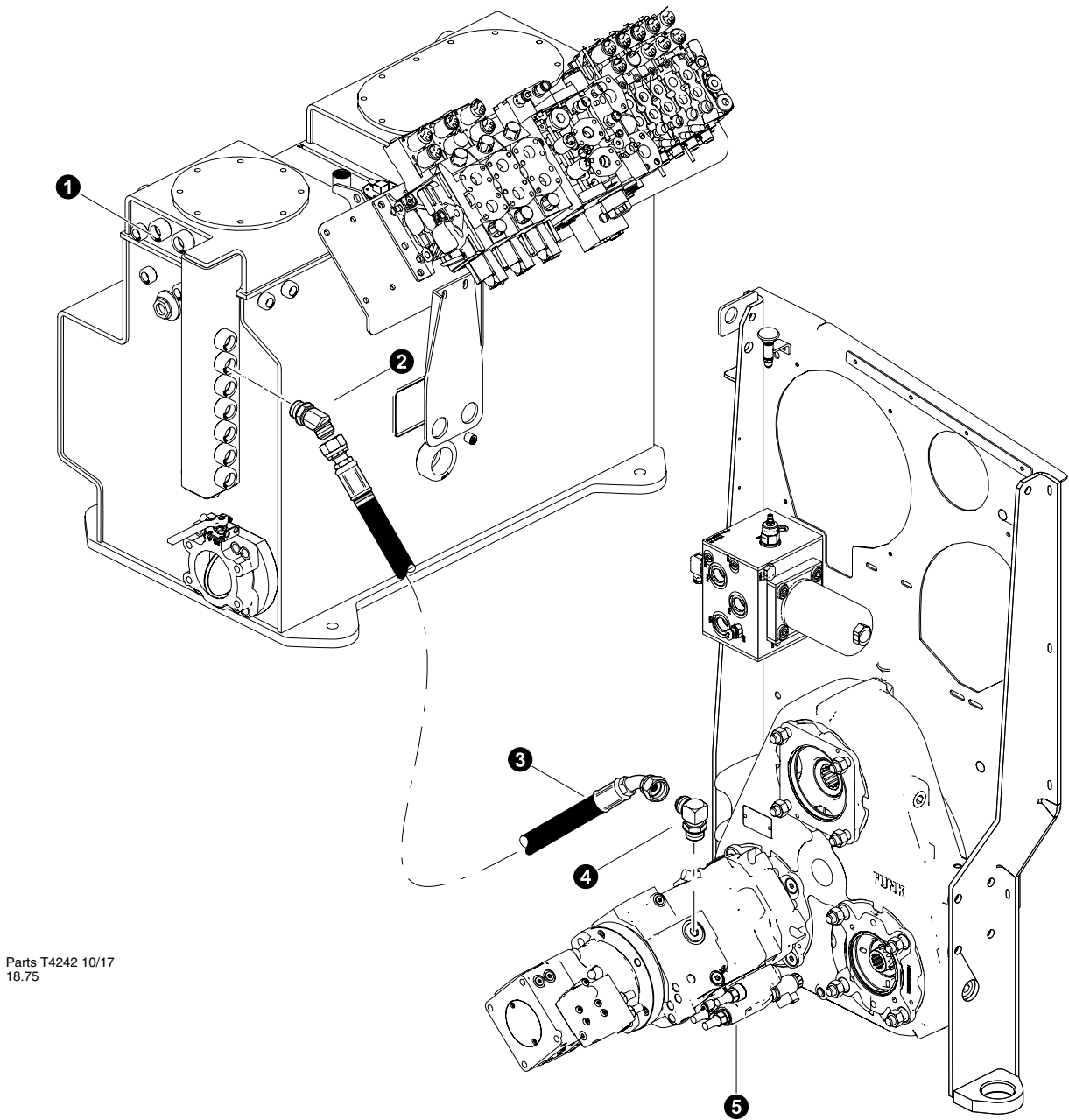
See referenced page for component or assembly breakdown.



Bulk material - order length required in feet or meters.



Kit or Assembly - includes all items indented underneath.



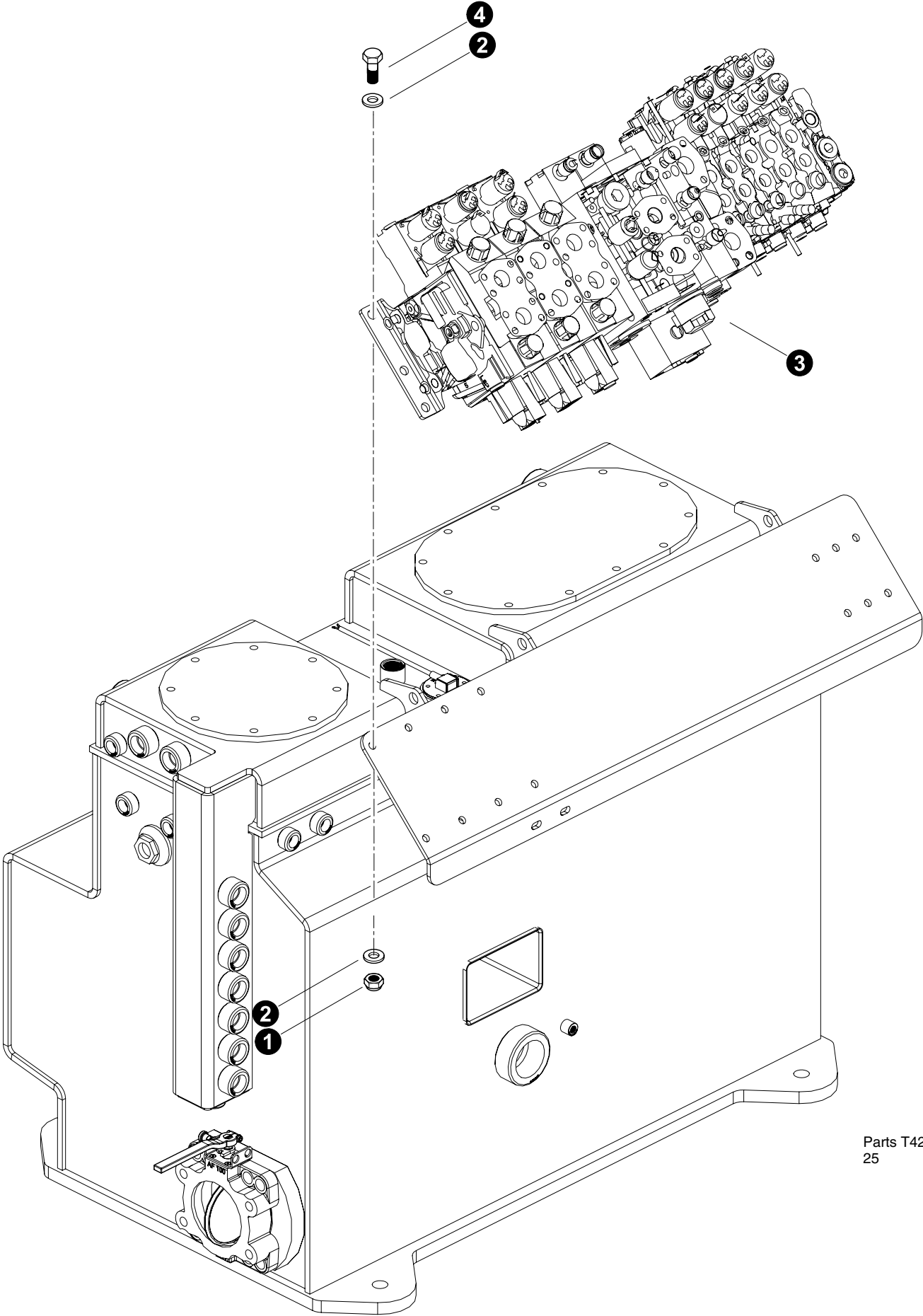
Parts T4242 10/17
18.75

IMPLEMENT PUMP CASE DRAIN LINE

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		HYDRAULIC TANK	UP-2
2	15474-FH	2		ELBOW, 45 - 6802-12	
3	-FH	1		HOSE ASSEMBLY - 2031-12-12JS-12J4 (<i>Implement pump case drain port to hydraulic tank</i>)	
4	11306-FH	1		CONNECTOR, ELBOW 90 - 12	
5	REF.	1		IMPLEMENT PUMP.	FH-1



See referenced page for component or assembly breakdown.



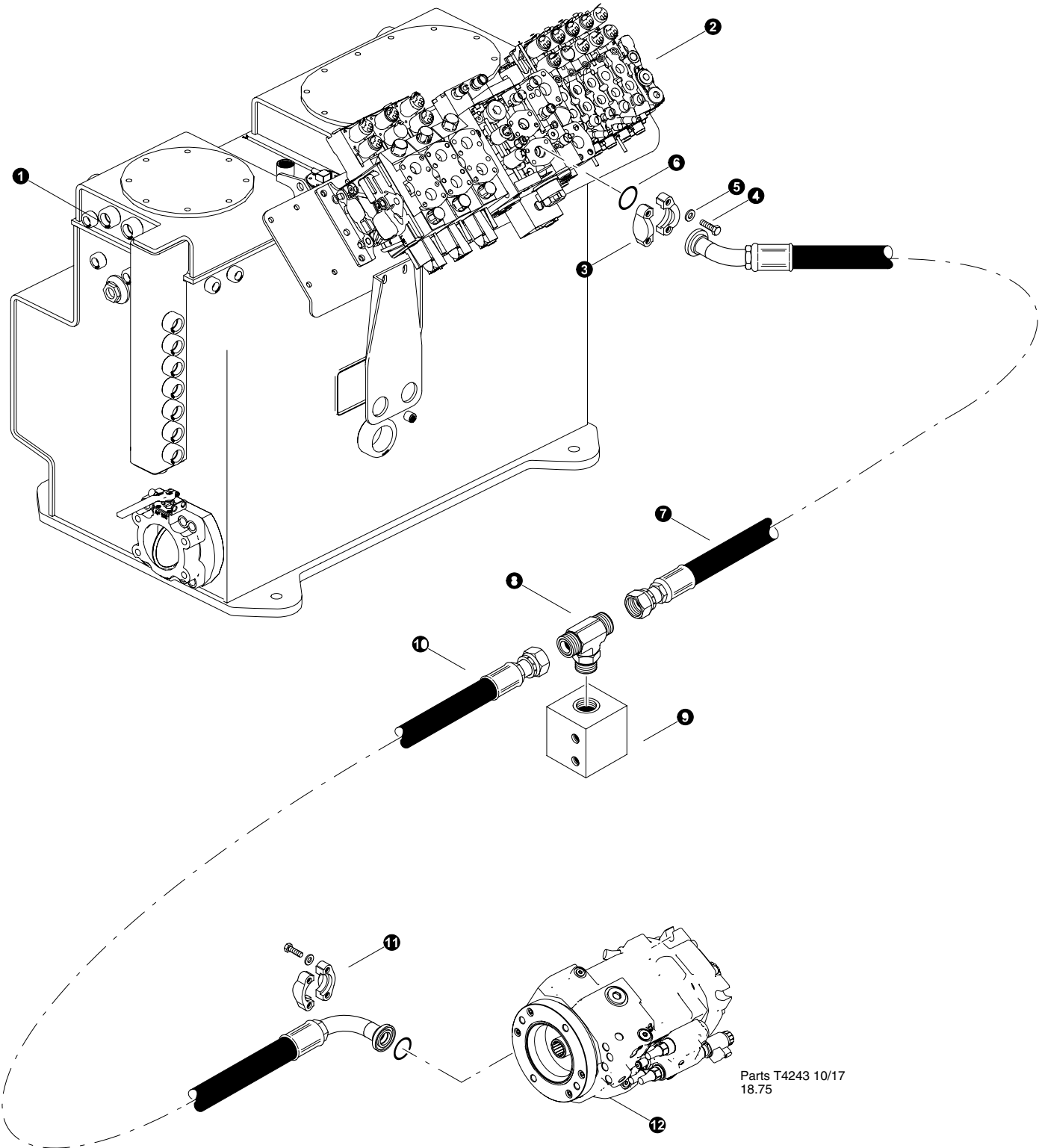
Parts T4239 05/17
25

MAIN CONTROL VALVE MOUNTING

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	10813-FH	4		NUT, lock 3/8"	
2	10802-FH	8		WASHER, FLAT - .375"	
3	REF	1		MAIN CONTROL VALVE	FH-1
4	15507-FH	4		BOLT, 3/8 X 1 1/4"	



See referenced page for component or assembly breakdown.



IMPLEMENT PUMP PRESSURE LINE TO MAIN CONTROL VALVE

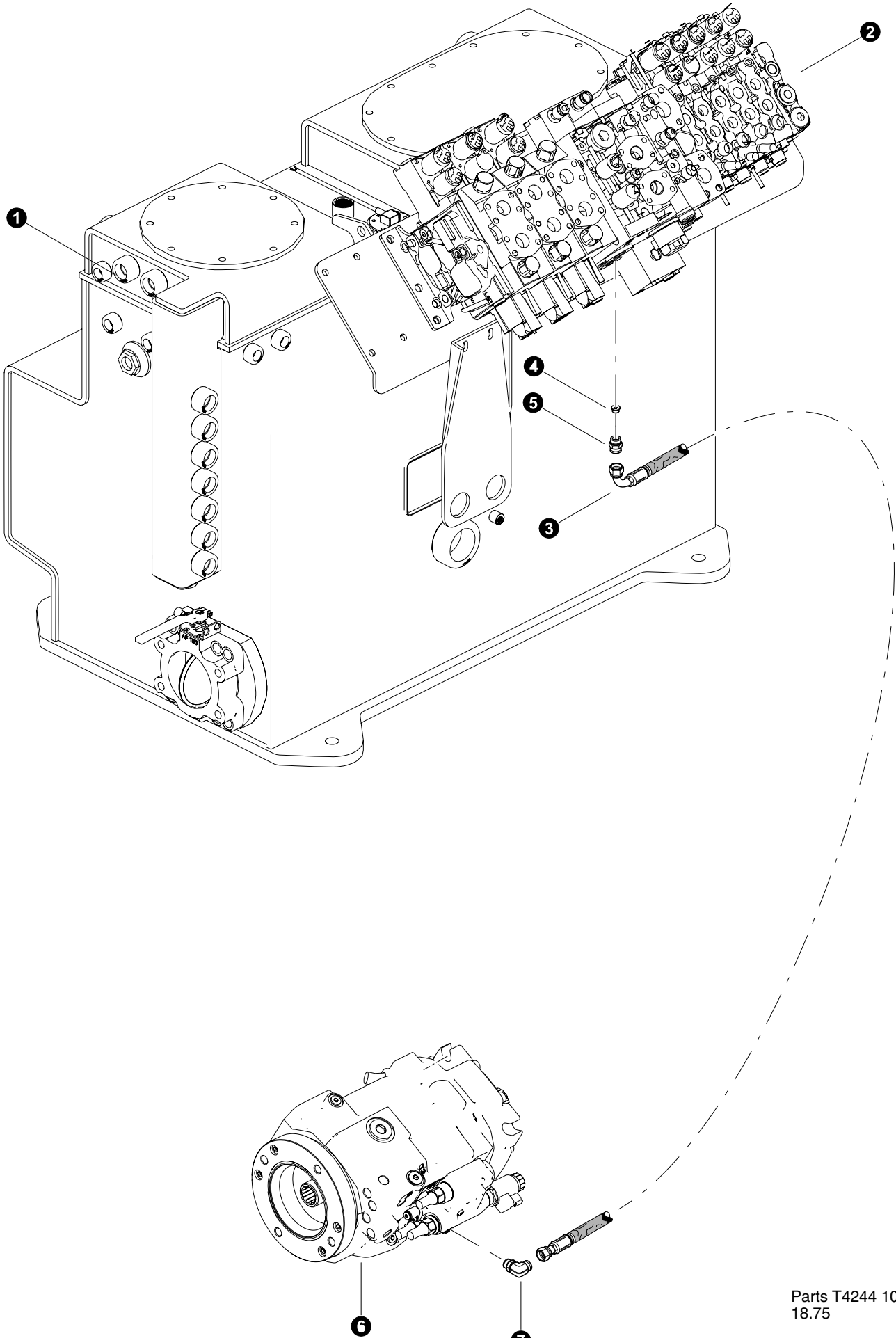
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		HYDRAULIC TANK	UP-2
2	REF	1		MAIN CONTROL VALVE	FH-1
3	15113-FH	1		KIT, SPLIT FLANGE - 1" (CODE 62)	
4	-FH	4		BOLT, ALLEN HEAD	
5	-FH	4		WASHER, lock	
6	15377-FH	1		O-RING - 1"	
7	-FH	1		HOSE ASSEMBLY - 5080CS-20-20OS-20OS 16PH4SW (<i>Pump Pressure Block to main control valve pressure inlet port "P1"</i>)	
8	51450-FH	1		TEE	
9	51450-FH	1		MANIFOLD, RETURN CHECK	
10	-FH	1		HOSE ASSEMBLY - 5060CS-16-16OS-16OS 16PH4SW (<i>Pump Pressure to block</i>)	
11	15114-FH	1		KIT, SPLIT FLANGE - 1.25" (CODE 62)	
-	15378-FH	1		O-RING - 1.25" SF (CODE 61/62)	
12	REF.	1		PUMP	FH-1



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



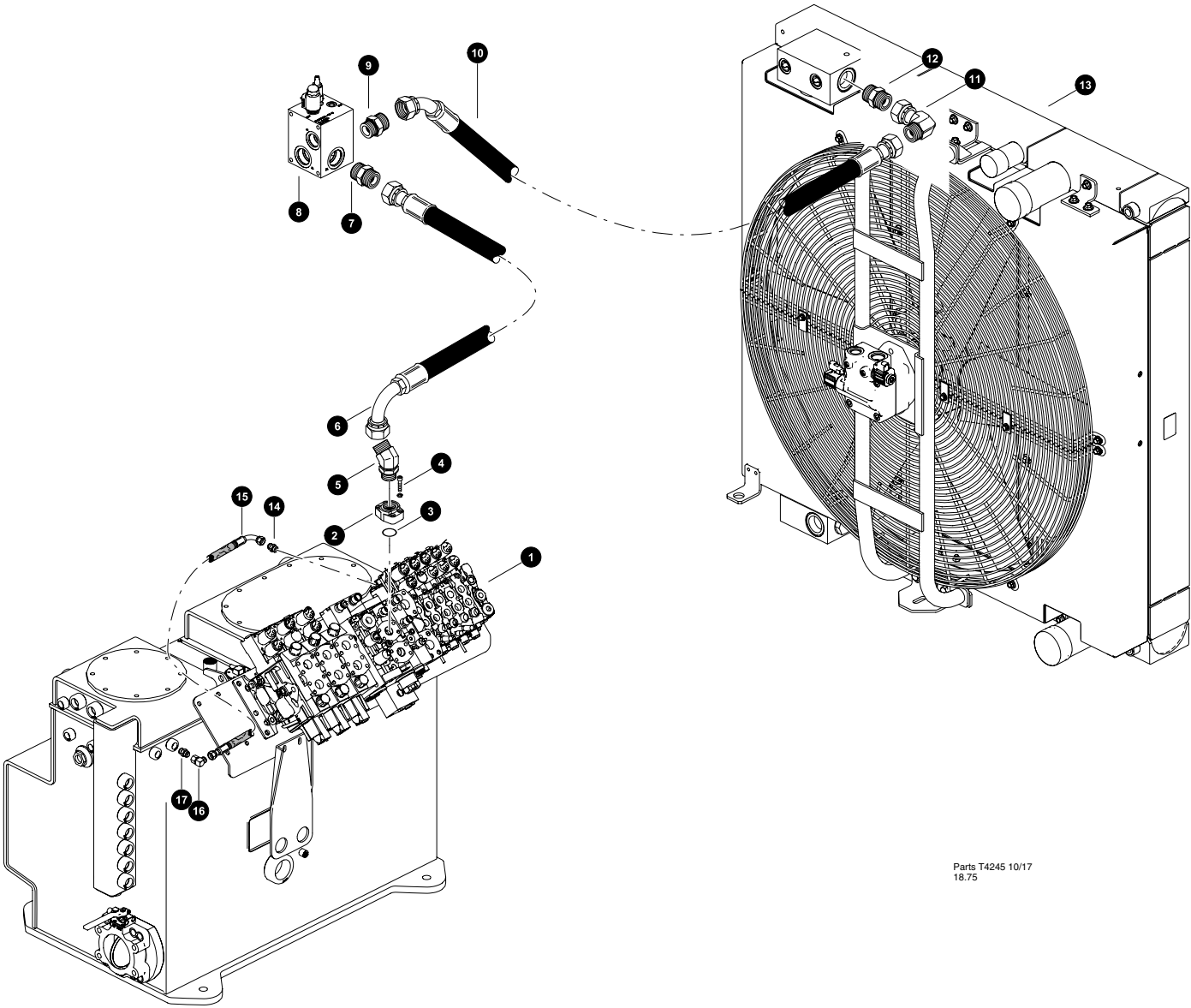
Parts T4244 10/17
18.75

MAIN CONTROL VALVE LOAD SENSE LINE

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		HYDRAULIC TANK	UP-2
2	REF.	1		MAIN CONTROL VALVE	FH-1
3	-FH	1		HOSE ASSEMBLY - 2104-06-060S-0609-W (<i>Control Valve load sense "PL" port to Implement Pump controller</i>)	
4	18503-FH	1		ORIFICE - .028"	
5	15488-FH	1		CONNECTOR, STR - 6400-6 (<i>Tapped for 0.028" orifice</i>)	
6	REF.	1		IMPLEMENT PUMP.	FH-1
7	15480-FH	1		ELBOW, 90 - 6801-6	



See referenced page for component or assembly breakdown.



Parts T4245 10/17
18.75

MAIN CONTROL VALVE RETURN LINE AND DRAIN

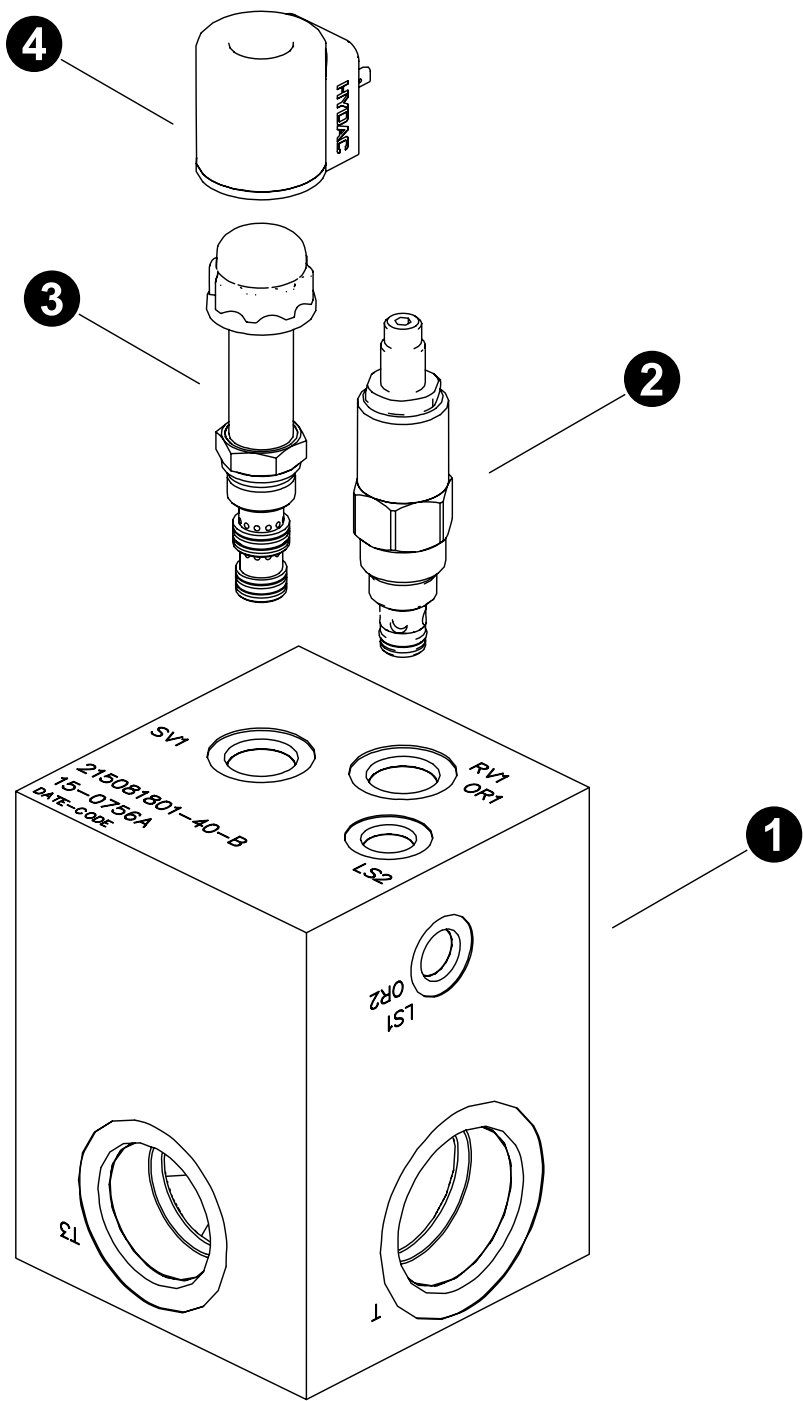
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN CONTROL VALVE	FH-1
2	17909-FH	1		CONNECTOR, FLANGE PAD-W46K-20-20 CODE 61	
3	15378-FH	1		O-RING - 1.25" SF (CODE 61/62)	
4	-FH	4		BOLT, ALLEN HEAD - 10MM	
5	53616-FH	1		FITTING, STR - 24 X 20 - RETURN TUBE	
6	-FH	1		HOSE ASSEMBLY - 2029-20-20JS-20J4 (<i>Valve Return port to Return Block "T3" port</i>)	
7	53616-FH	1		FITTING, STR - 24 X 20 - RETURN TUBE	
8	REF	1		VALVE, SAW STOP / RETURN MANIFOLD - TL765	FH-2
9	22319-FH	1		CONNECTOR, STR - THERMAL BYPASS (GT)	
10	-FH	1		HOSE ASSEMBLY - 2026.5-24-24JS-20J4 (<i>Cooler to Return Block "T" port</i>)	
11	54714-FH	1		ELBOW, 90 SWIVEL 24C6X-S (24 JICMF)	
12	22319-FH	1		CONNECTOR, STR - THERMAL BYPASS (GT)	
13	REF	1		OIL COOLER BREAKDOWN	UP-3
14	15488-FH	1		CONNECTOR, STR - 6400-6	
15	-FH	1		HOSE ASSEMBLY - 2029-06-06JS-06J9 (<i>Valve Drain to Tank</i>)	
16	16661-FH	1		ELBOW, 90 SWIVEL - 6500-6	
17	15488-FH	1		CONNECTOR, STR - 6400-6	



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Parts T4246 10/17
18.75

RETURN / DISC SAW, MANIFOLD

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	57308-FH	1	☐	VALVE, SAW STOP / RETURN MANIFOLD - TL765	
2	-FH	1		VALVE, Relief - RV08-20A-0-N-5	
				SEAL KIT - SK08-2X-B; SK08-2X-M	
3	-FH	1		VALVE, Control - WK08L-01M	
				SEAL KIT - 3054795	
4	-FH	4		COIL, 12-24DG-40-1836	



See referenced page for component or assembly breakdown.



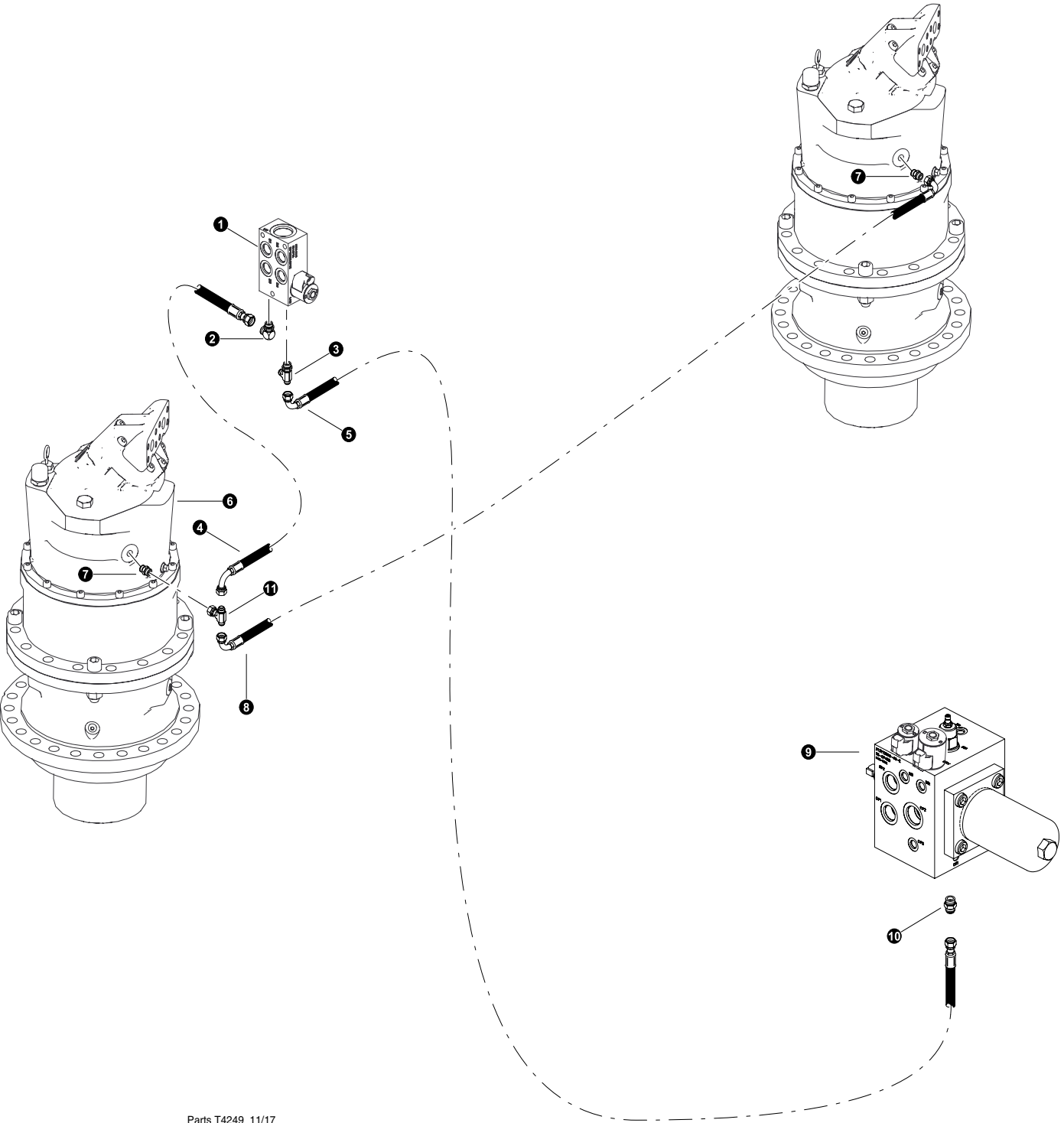
Kit or Assembly - includes all items indented underneath.

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Section FH-3

Feller Buncher Hydraulics - Swing Motor Hydraulics



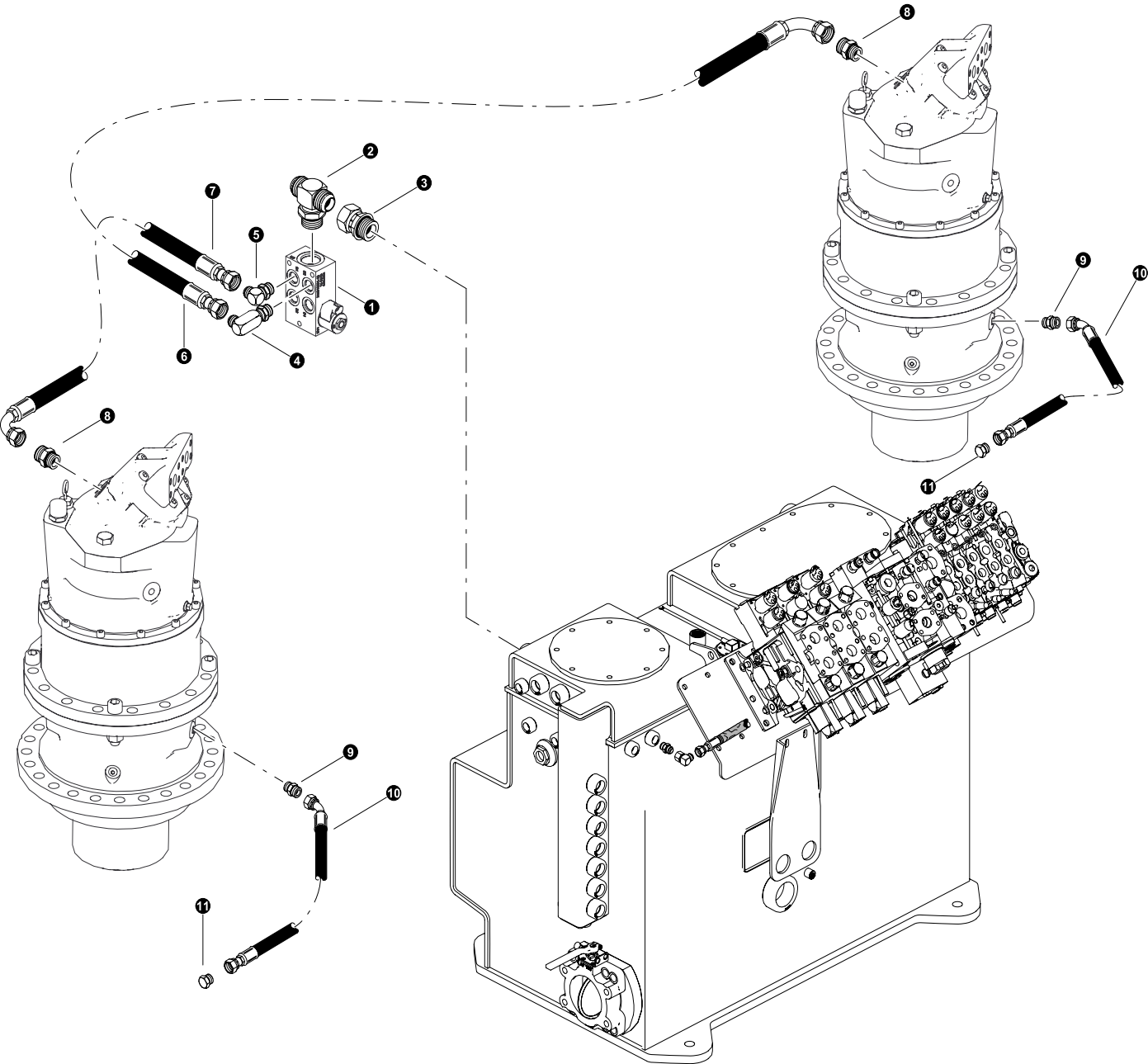
Parts T4249 11/17
25

SWING MOTOR HYDRAULICS (swing gearbox brake release)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MANIFOLD, CASE DRAIN/SWING LOCK	FH-3
2	51931-FH	1		ELBOW, 90 - 4-6 C50X-S (JIC)	
3	55701-FH	1		FITTING, TEE 6-R5OX-S	
4	-FH	1		HOSE ASSEMBLY - 2029-04-04JS-0409 (<i>swing motor brake relase port to BR port</i>)	
5	-FH	1		HOSE ASSEMBLY - 2065-06-060S-0609 (<i>PS port to G1 port charge valve</i>)	
6	REF.	1		MOTOR/GEARBOX - SWING	FH-3
7	19469-FH	1		CONNECTOR, STR METRIC - 4M12F82EDMLO-S	
8	-FH	1		HOSE ASSEMBLY - 2055-04-04JS-0409 (<i>swing motor brake</i>)	
9	REF.	1		CHARGE VALVE / FILTER ASSEMBLY	DH
10	15488-FH	1		CONNECTOR, STR - 6400-6	



See referenced page for component or assembly breakdown.



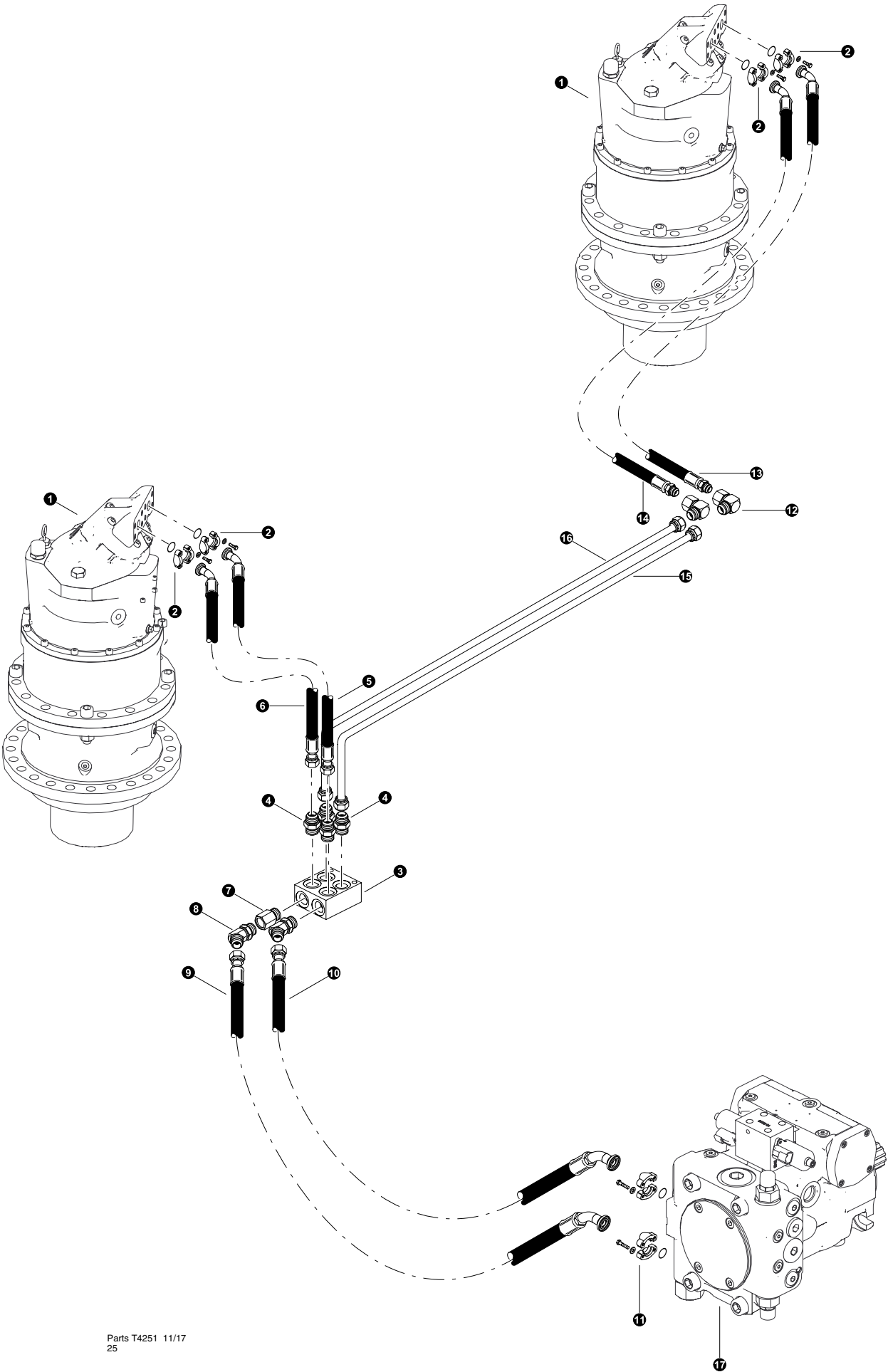
Parts T4250 11/17
25

SWING MOTOR HYDRAULICS (swing motor drain)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MANIFOLD, CASE DRAIN/SWING LOCK	FH-3
2	55622-FH	1		TEE, BRANCH - STRAIGHT THREAD #16	
3	-FH	1		FITTING, Swivel 16 F65OX-SS	
4	54810-FH	1		ELBOW, 90* LONG -8 JIC	
5	15481-FH	1		ELBOW, 90 - 6801-8	
6	-FH	1		HOSE ASSEMBLY - 2084-08-08JS-08J9 (swing motor case drain)	
7	-FH	1		HOSE ASSEMBLY - 2027-08-08JS-08J9 (swing motor case drain)	
8	15489-FH	2		CONNECTOR, STR - 6400-8-8	
9	52493-FH	1		CONNECTOR, MALE ISO 6149	
10	-FH	1		HOSE ASSEMBLY - 2028-08-08OS-0804 (swing motor gearbox drain)	
11	16032-FH	1		PLUG - FF9767-08S	



See referenced page for component or assembly breakdown.



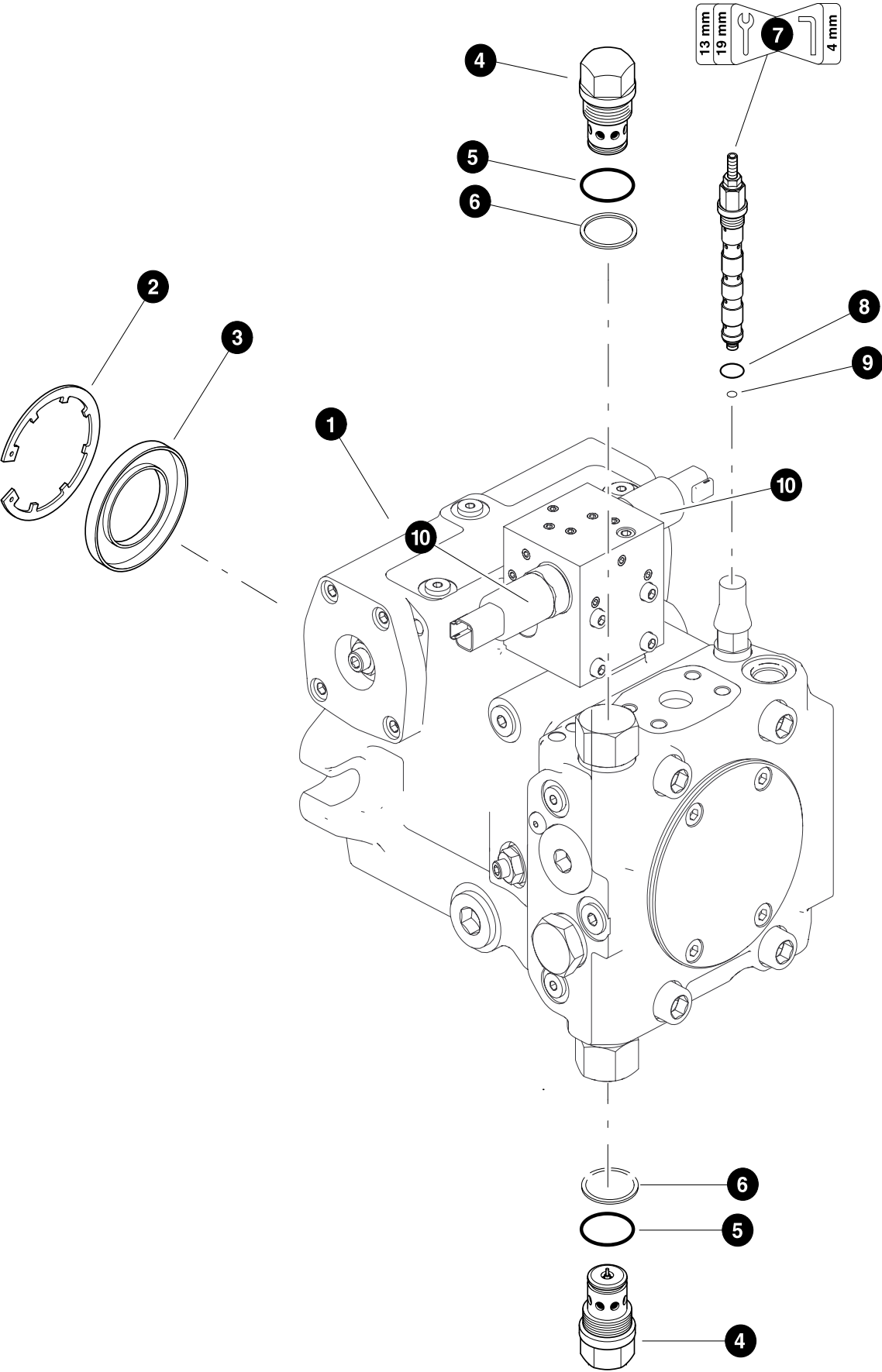
Parts T4251 11/17
25

SWING MOTOR HYDRAULICS (Swing Motor to Valve Connection)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MOTOR/GEARBOX - SWING	FH-3
2	16660-FH	2		KIT, SPLIT FLANGE - .75 (CODE 62)	
3	57284-FH	1		MANIFOLD, SWING COMBINE FLOW	
4	11324-FH	4		CONNECTOR, STR - 6400-12	
5	-FH	1		HOSE ASSEMBLY - 5023.5CS-12-12JS-12PH4 (<i>Swing Motor to tubeline</i>)	
6	-FH	1		HOSE ASSEMBLY - 5022.5CS-12-12JS-12PH4 (<i>Swing Motor to tubeline</i>)	
7	25040-FH	1		BUSHING, REDUCER - 6410-16-12	
8	15474-FH	1		ELBOW, 45 - 6802-12	
9	-FH	1		HOSE ASSEMBLY - 5060CS-12-12JS-12PH4 (<i>Swing Motor to tubeline</i>)	
10	-FH	1		HOSE ASSEMBLY - 5060CS-12-12JS-12PH4 (<i>Swing Motor to tubeline</i>)	
11	16660-FH	2		KIT, SPLIT FLANGE - .75 (CODE 62)	
12	15477-FH	2		ELBOW, 90 SWIVEL - 12 C6X-S	
13	-FH	1		HOSE ASSEMBLY - 5031CS-12-12MJ-12PH4 (<i>Swing Motor to tubeline</i>)	
14	-FH	1		HOSE ASSEMBLY - 5031CS-12-12MJ-12PH4 (<i>Swing Motor to tubeline</i>)	
15	57316-FH	1		TUBELINE, SWNG MAN R TO R SWNG MTR BULKHEAD	
16	57300-FH	1		TUBELINE, SWING MAN L TO R SWNG MTR BULKHEAD	
17	REF.	1		SWING PUMP	FH-3



See referenced page for component or assembly breakdown.



HYDROSTATIC SWING PUMP (Rexroth 56cc)

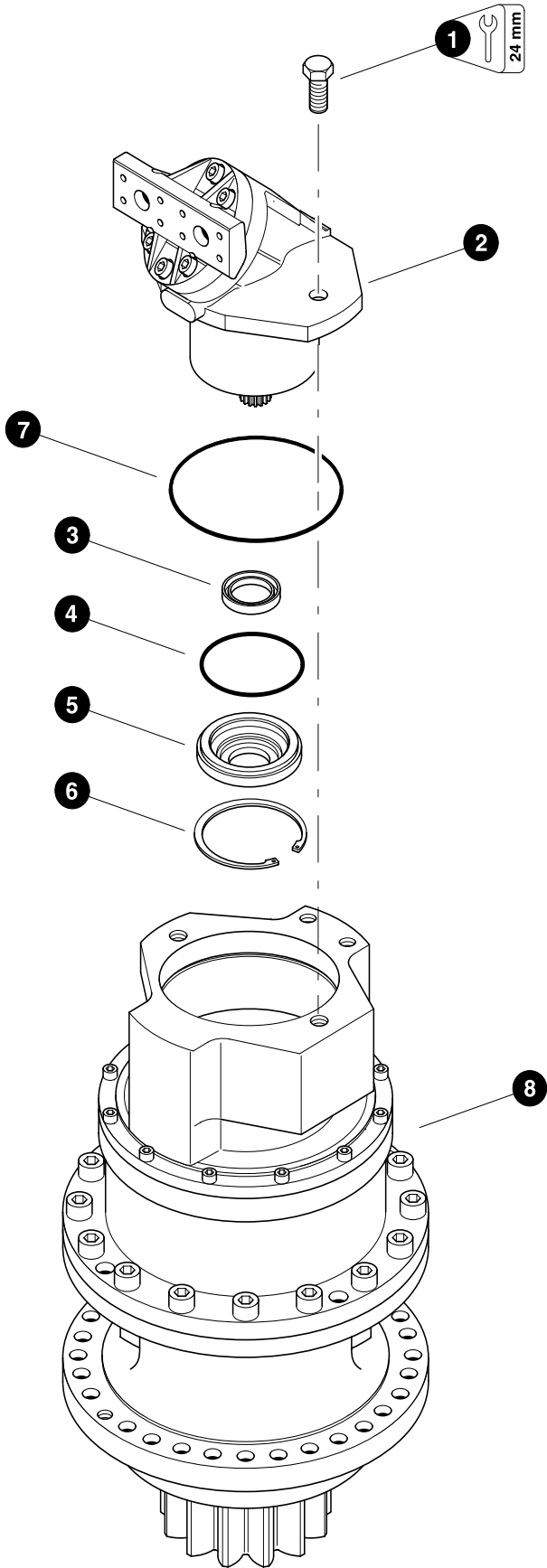
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	54560-FH	1	☐	PUMP, HYDROSTATIC - SWING	
2	R902600000	1		RETAINING RING	
3	R902601649	1		SHAFT SEAL RING	
4	R902016386	2		PRESSURE RELIEF VALVE	
5	R909831768	2		BACK-UP RING	
6	R909831768	2		BACK-UP RING	
7	R909446763	1		PRESSURE OVERRIDE VALVE	
8	R909083752	1		O-RING	
9	R909086380	1		O-RING	
10	R901121566	2		PRESSURE REDUCING VALVE	

☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit, PN# -FH.

Note:

Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.



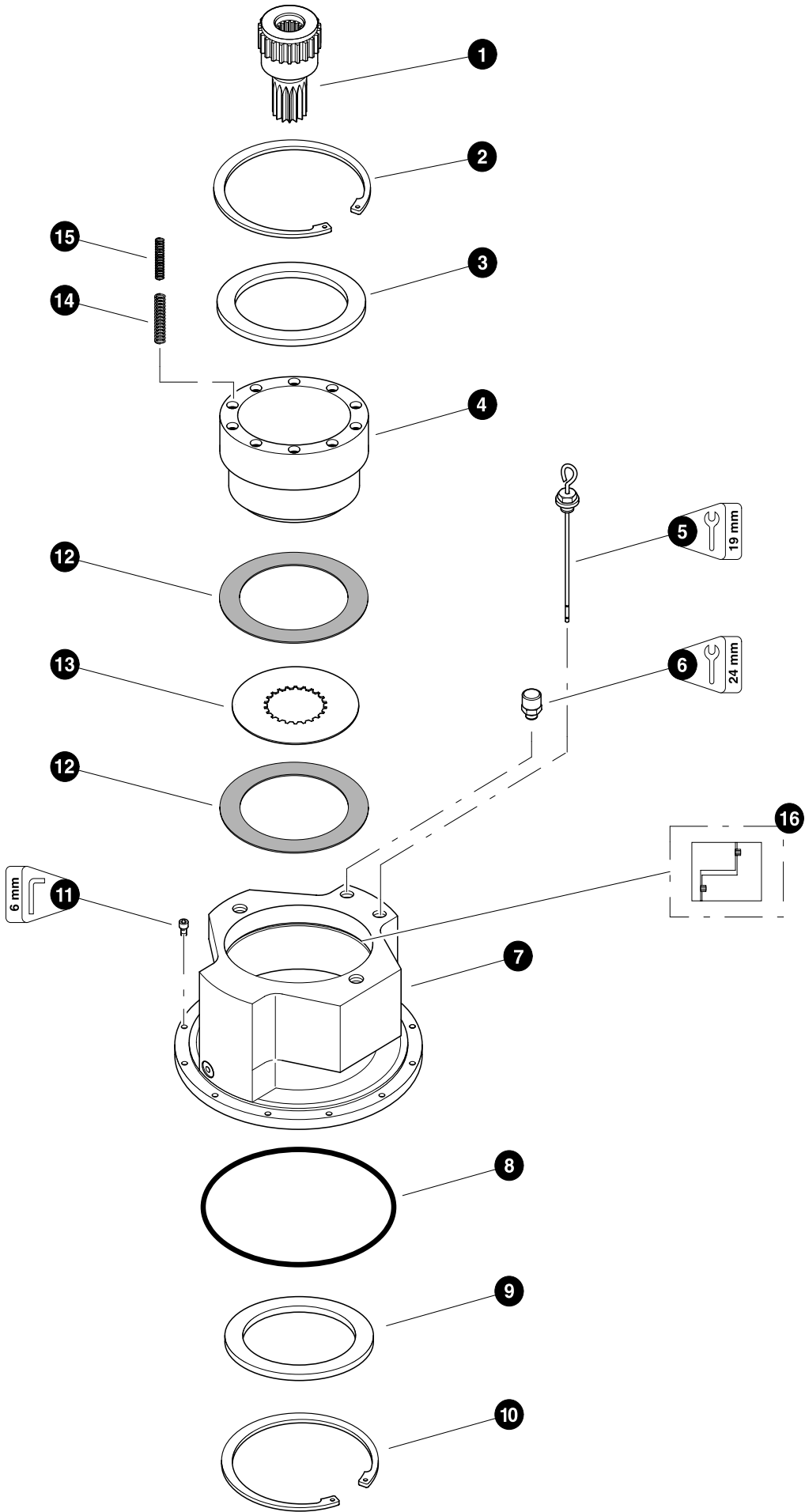
SWING MOTOR HYDRAULICS (swing motor installation)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
--	52745-FH	1	☐	MOTOR, SWING - ECCENTRIC L&S W/56 MOTOR	
1	20661-FH	1		BOLT - 16mm-2.0P x 35mm	
2	17238-FH	1	☐	MOTOR, hydraulic - Rexroth A2FE56 cc	
3	21576-FH	1		SEAL, shaft - 45cc	
	51638-FH	1		SEAL, shaft - 56cc	
4	21577-FH	1		O-RING, front cover - 45cc	
	51639-FH	1		O-RING, front cover - 56cc	
5	21578-FH	1		COVER, front	
6	21579-FH	1		RING, seal retaining	
7	21580-FH	1		O-RING, motor pilot	
8	-FH	1		GEARBOX - Lohmann	

☐ Kit or Assembly - includes all items indented underneath.

Note:

Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.



Parts 00626 11/10/2000
25.00

SWING MOTOR HYDRAULICS (swing gearbox brake)

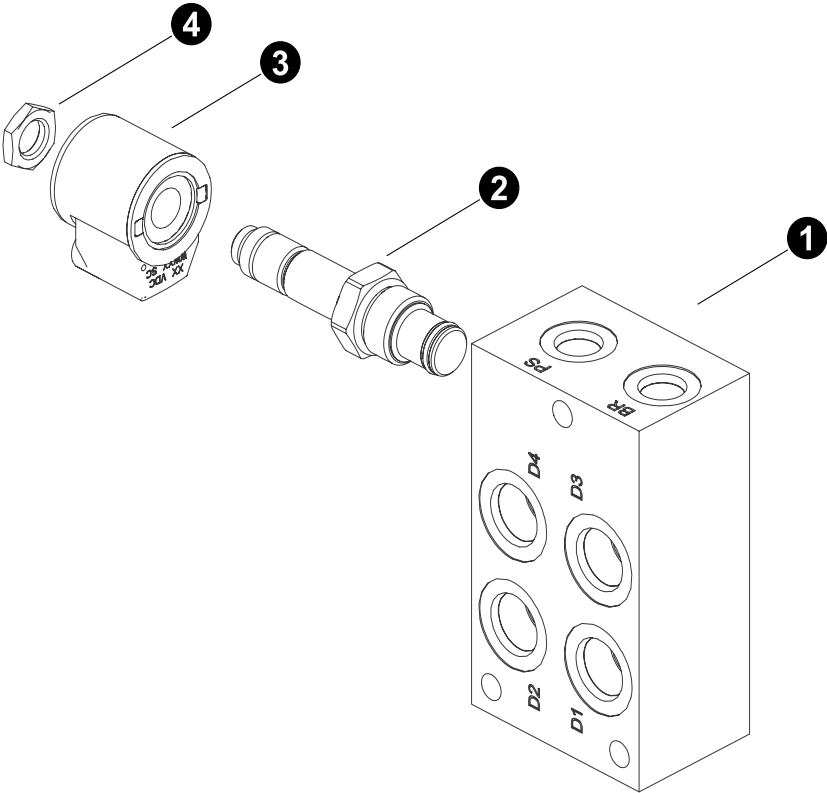
REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	54394-FH	1		GEARBOX - Lohmann ECCENTRIC	
1	21565-FH	1		SHAFT, brake	
2	21566-FH	1		RING, snap - upper brake	
3	21567-FH	1		PLATE, back-up - upper brake	
4	21568-FH	1		PISTON, brake	
5	21569-FH	1	☐	DIPSTICK	
	21571-FH	1		RING, seal	
6	21570-FH	1	☐	BREATHER	
	21571-FH	1		RING, seal	
7	NSS	1		HOUSING, brake	
8	21572-FH	1		O-RING, brake housing	
9	21573-FH	1		PLATE, back-up - lower brake	
10	21574-FH	1		RING, snap - lower brake	
11	21575-FH	12		BOLT, allen head - 8mm x 25mm	
12	NSS	5	⌘	DISC, brake	
13	NSS	4	⌘	DISC, spacer	
14	NSS	10	⌘	SPRING, outer	
15	NSS	10	⌘	SPRING, inner	
--	21418-FH	1		KIT, repair - brake disc	

☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in disc brake kit PN# 20788-UP.

Note:

Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.



Parts T4064 05/15
25.00

SWING BRAKE/DRAIN MANIFOLD

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	55259-FH	1	MANIFOLD, CASE DRAIN/SWING LOCK - C	
1	-FH	1	MANIFOLD, (214010901-40-A)	
2	-FH	1	CARTRIDGE VALVE, (S08-30)	
3	-FH	1	COIL, (4303424)	
4	-FH	1	NUT, (7004400)	
-	SK08-3X-MM	1	SEAL KIT FOR S08-30 VALVE	

Note:

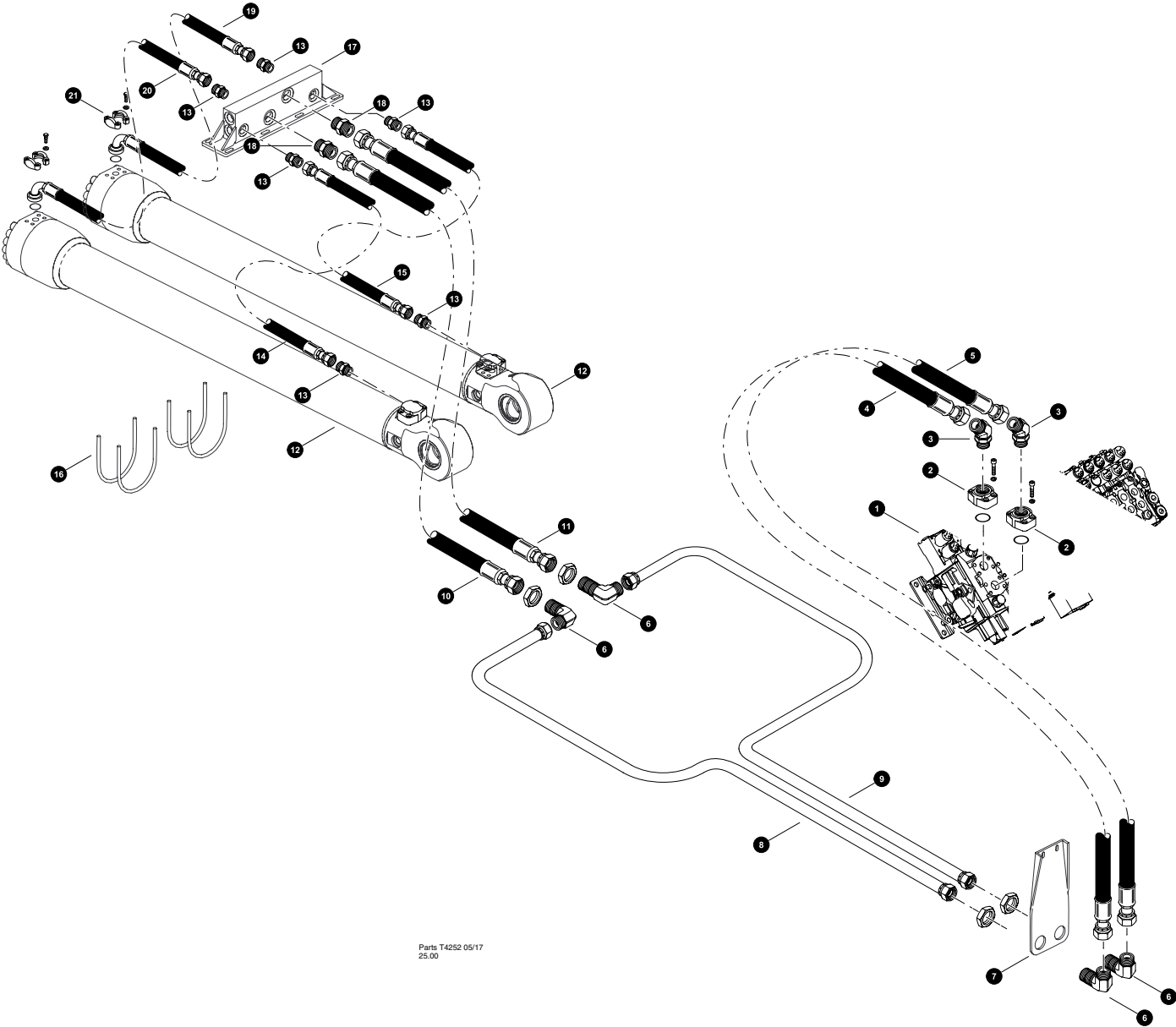
Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.

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Section FH-4

Feller Buncher Hydraulics - Implement Connections - Common



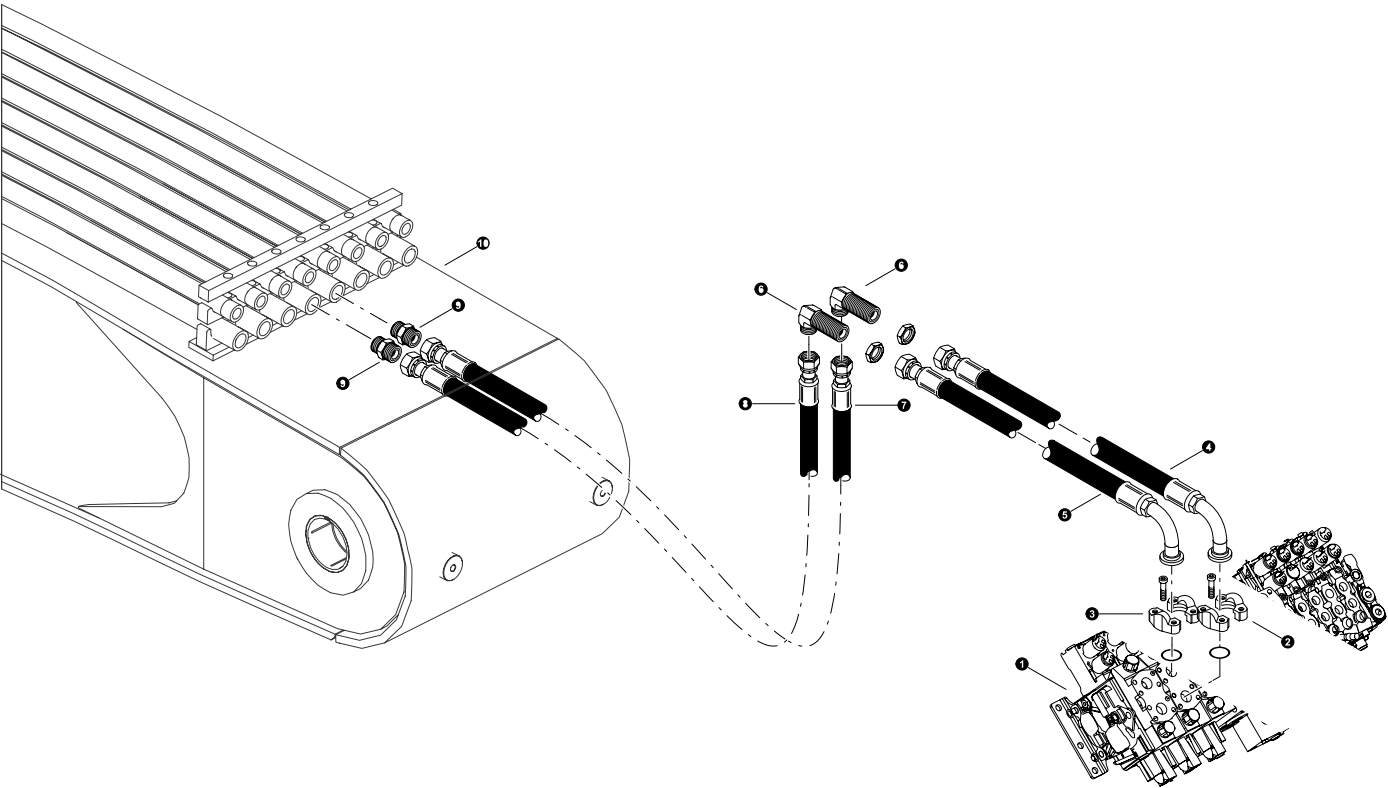
MAIN BOOM CYLINDER FUNCTION

(Main Control Valve To Main Boom (Hoist) Cylinder)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN CONTROL VALVE	FH-1
2	22758-FH	2		CONNECTOR, FLANGE PAD - W46K-16-16 (SAE) (Code 61)	
	15377-FH	2		O-RING - 1" SF	
	-FH	8		BOLT, allen M10	
3	16460-FH	2		ELBOW, 45 - FF2068T-1616S	
4	-FH	1		HOSE ASSEMBLY - 5043C-16-16OS-16OS (Main boom valve work port "A" to main boom cylinder bulkhead)	
5	-FH	1		HOSE ASSEMBLY - 5041C-16-16OS-16OS (Main boom valve work port "B" to main boom cylinder bulkhead)	
6	53680-FH	2		ELBOW, BULK UNION (16X16)	
7	48588-FH	1		PLATE, HYD TANK BULKHEAD MAIN CLY	
8	57260-FH	1		TUBELINE, MAIN BOOM CYLINDER A	
9	57282-FH	1		TUBELINE, MAIN BOOM CYLINDER B	
10	-FH	1		HOSE ASSEMBLY - 5054C-16-16OS-16OS (Main boom manifold to main boom cylinder bulkhead)	
11	-FH	1		HOSE ASSEMBLY - 5054C-16-16OS-16OS (Main boom manifold to main boom cylinder bulkhead)	
12	REF.	1		MAIN BOOM (HOIST) CYLINDERS	FB-3
13	15152-FH	2		CONNECTOR, STR - FF1852T-1212S	
14	-FH	1		HOSE ASSEMBLY - 5041-12-12OS-12OS (Main boom manifold to main boom cylinder)	
15	-FH	1		HOSE ASSEMBLY - 5041-12-12OS-12OS (Main boom manifold to main boom cylinder)	
16	57351-FH	4		U-BOLT, MANIFOLD MAIN BOOM CYL.	
17	48391-FH	1		MANIFOLD, MAIN BOOM - TL765	
18	15225-FH	2		CONNECTOR, STR - FF1852T-1616S	
19	-FH	1		HOSE ASSEMBLY - 5015CS-12-12OS-16PH9 (Main boom manifold to main boom cylinder rod)	
20	-FH	1		HOSE ASSEMBLY - 5015CS-12-12OS-16PH9 (Main boom manifold to main boom cylinder rod)	
21	15113-FH	2		KIT, SPLIT FLANGE - 1" (CODE 62)	



See referenced page for component or assembly breakdown.



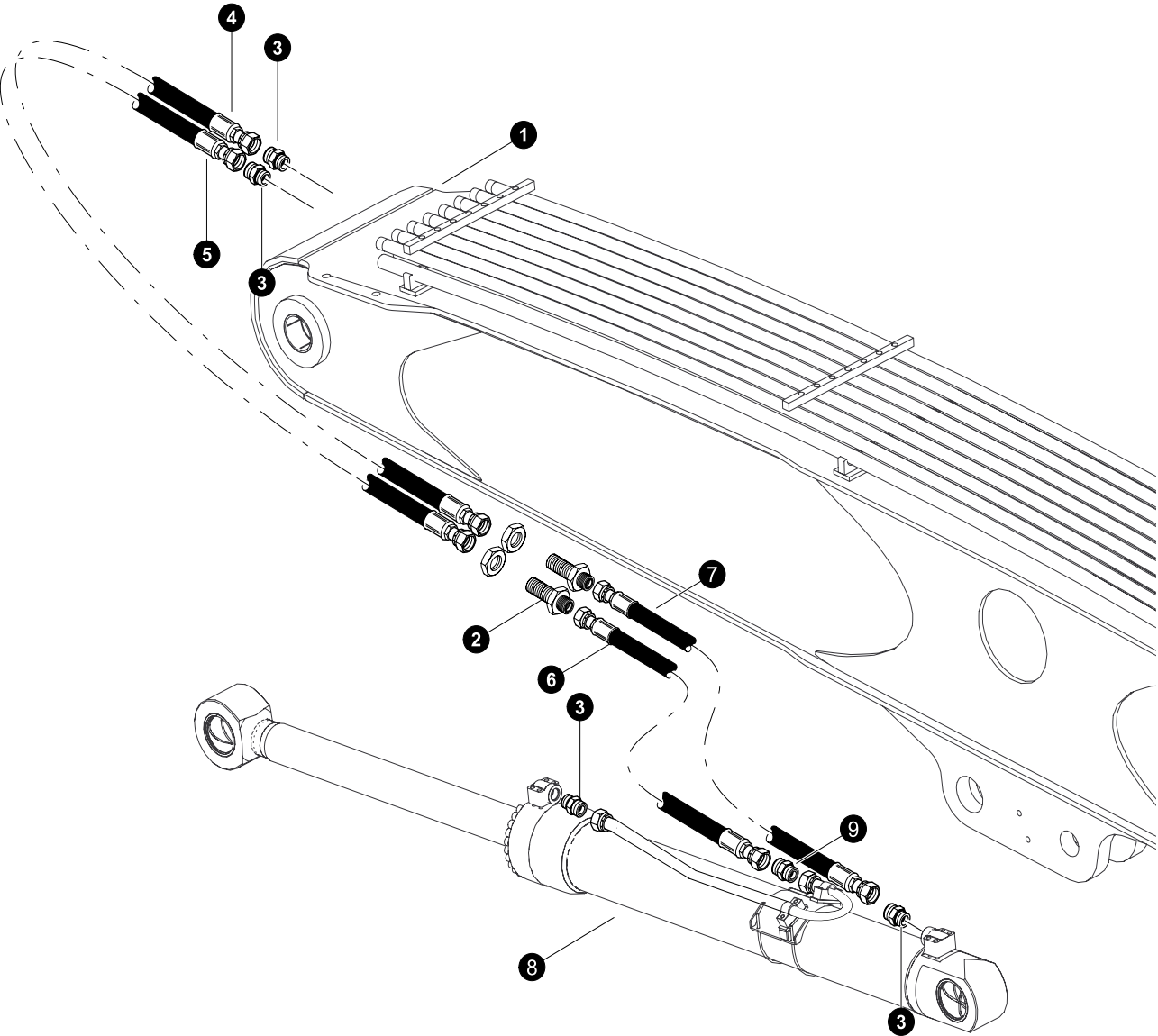
STICK BOOM CYLINDER FUNCTION

(Main Control Valve To Main Boom Tube Lines)

		Disc Saw or Disc/Bar Combo		
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN CONTROL VALVE	FH-1
2	15111-FH	2	 KIT, split flange - 1" SF (<i>Code 61</i>)	
-	15377-FH	2	O-RING - 1" SF	
-	18979-FH	8	BOLT, allen M10 X 45MM	
3	15111-FH	2	 KIT, split flange - 1" SF (<i>Code 61</i>)	
-	15377-FH	2	O-RING - 1" SF	
-	18979-FH	8	BOLT, allen M10 X 45MM	
4	-FH	1	HOSE ASSEMBLY - 5029.5CS-16-160S-16PA9 (<i>Stick boom valve work port "A" to Bulkhead</i>)	
5	-FH	1	HOSE ASSEMBLY - 5027CS-16-160S-16PA9 (<i>Stick boom valve work port "B" to Bulkhead</i>)	
6	53680-FH	2	ELBOW, BULK UNION (16X16)	
7	-FH	1	HOSE ASSEMBLY - 5043CS-16-160S-16OS (<i>Stick boom TUBELINE to Bulkhead</i>)	
8	-FH	1	HOSE ASSEMBLY - 5043CS-16-160S-16OS (<i>Stick boom TUBELINE to Bulkhead</i>)	
11	15225-FH	2	CONNECTOR, STR - FF1852T-1616S	



See referenced page for component or assembly breakdown.



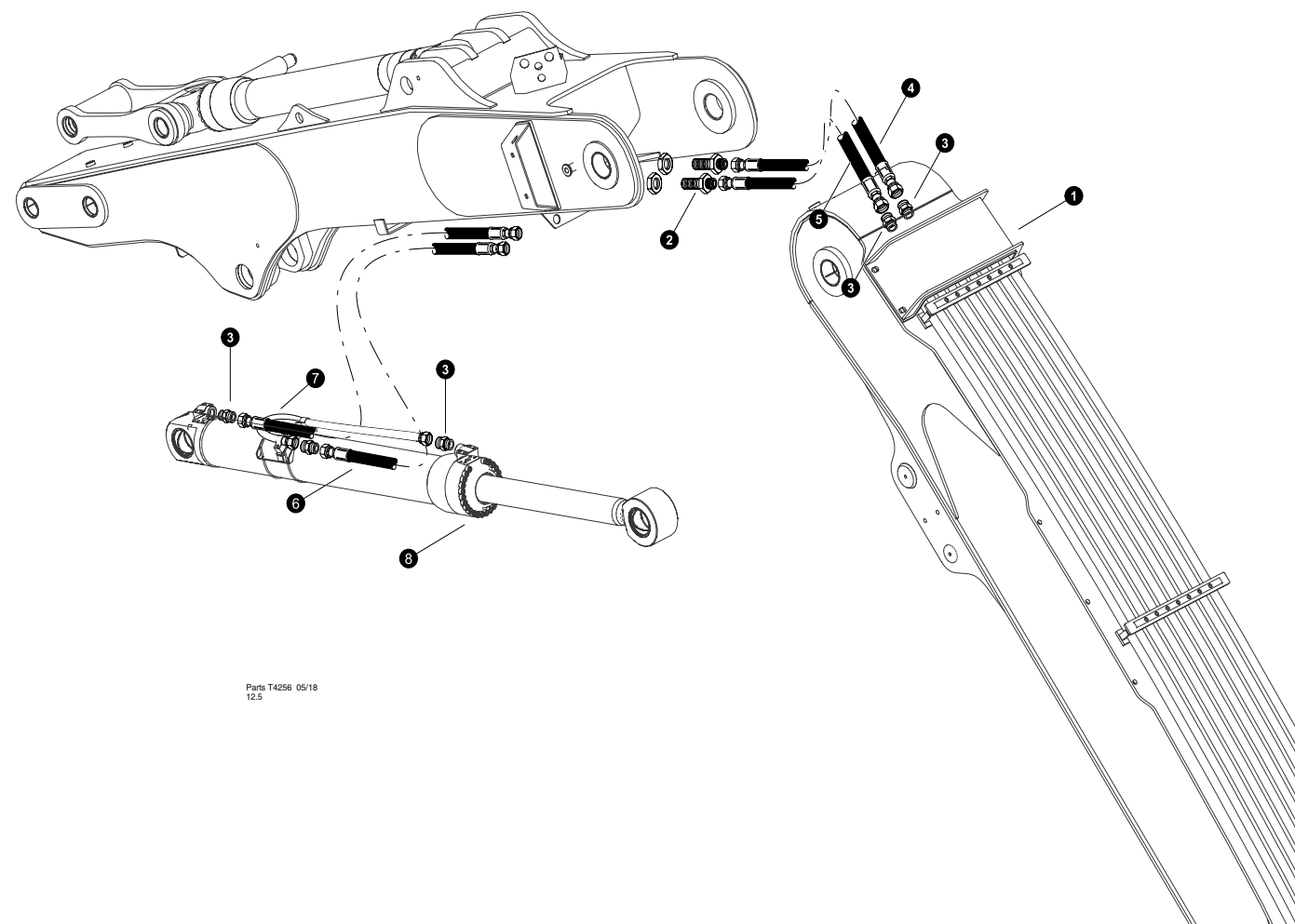
Parts T4256 05/18
12.5

STICK BOOM CYLINDER FUNCTION
(Main Boom To Stick Boom Cylinder)
Harvester Booms

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN BOOM ASSEMBLY	FB-1
2	20033-FH	2		CONNECTOR, STR BULKHEAD - 832-TT-16	
3	15225-FH	6		CONNECTOR, STR - FF1852T-1616S	
4	-FH	1		HOSE ASSEMBLY - 5060CS-16-160S-16OS (<i>Main Boom to Stick Cylinder Rod</i>)	
5	-FH	1		HOSE ASSEMBLY - 5060CS-16-160S-16OS (<i>Main Boom to Stick Cylinder Base</i>)	
6	-FH	1		HOSE ASSEMBLY - 5052CS-16-160S-16OS (<i>Main Boom to Stick Cylinder Rod</i>)	
7	-FH	1		HOSE ASSEMBLY - 5079CS-16-160S-16OS (<i>Main Boom to Stick Cylinder Base</i>)	
8	REF.	1		STICK CYLINDER.....	FB-3



See referenced page for component or assembly breakdown.



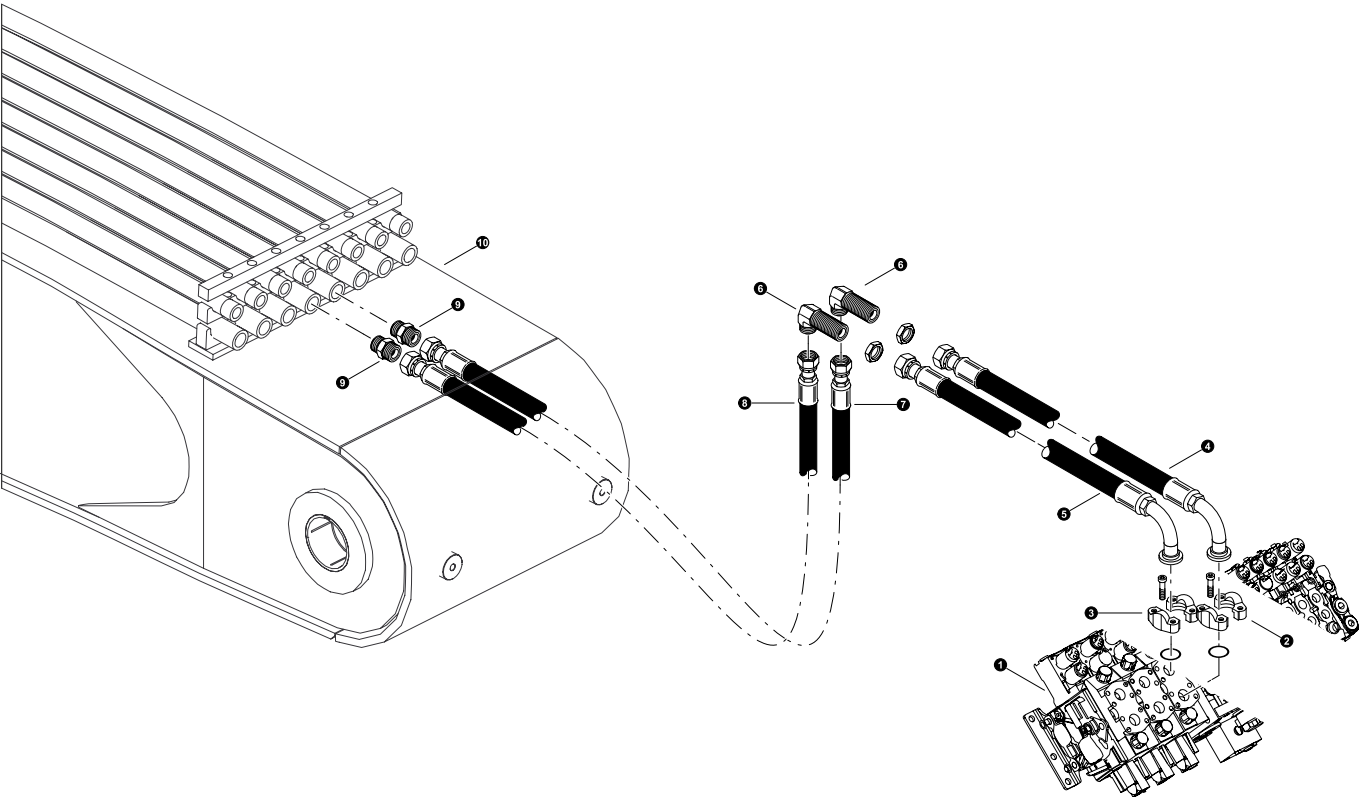
Parts T4256 05/18
12.5

STICK BOOM CYLINDER FUNCTION
(Main Boom To Stick Boom Cylinder)
Feller Buncher Booms

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN BOOM ASSEMBLY	FB-1
2	20033-FH	2		CONNECTOR, STR BULKHEAD - 832-TT-16	
3	15225-FH	6		CONNECTOR, STR - FF1852T-1616S	
4	-FH	1		HOSE ASSEMBLY - 5069CS-16-160S-16OS (<i>Main Boom to Stick Cylinder Rod</i>)	
5	-FH	1		HOSE ASSEMBLY - 5069CS-16-160S-16OS (<i>Main Boom to Stick Cylinder Base</i>)	
6	-FH	1		HOSE ASSEMBLY - 5048CS-16-160S-16OS (<i>Main Boom to Stick Cylinder Rod</i>)	
7	-FH	1		HOSE ASSEMBLY - 5076CS-16-160S-16OS (<i>Main Boom to Stick Cylinder Base</i>)	
8	REF.	1		STICK CYLINDER.....	FB-3



See referenced page for component or assembly breakdown.



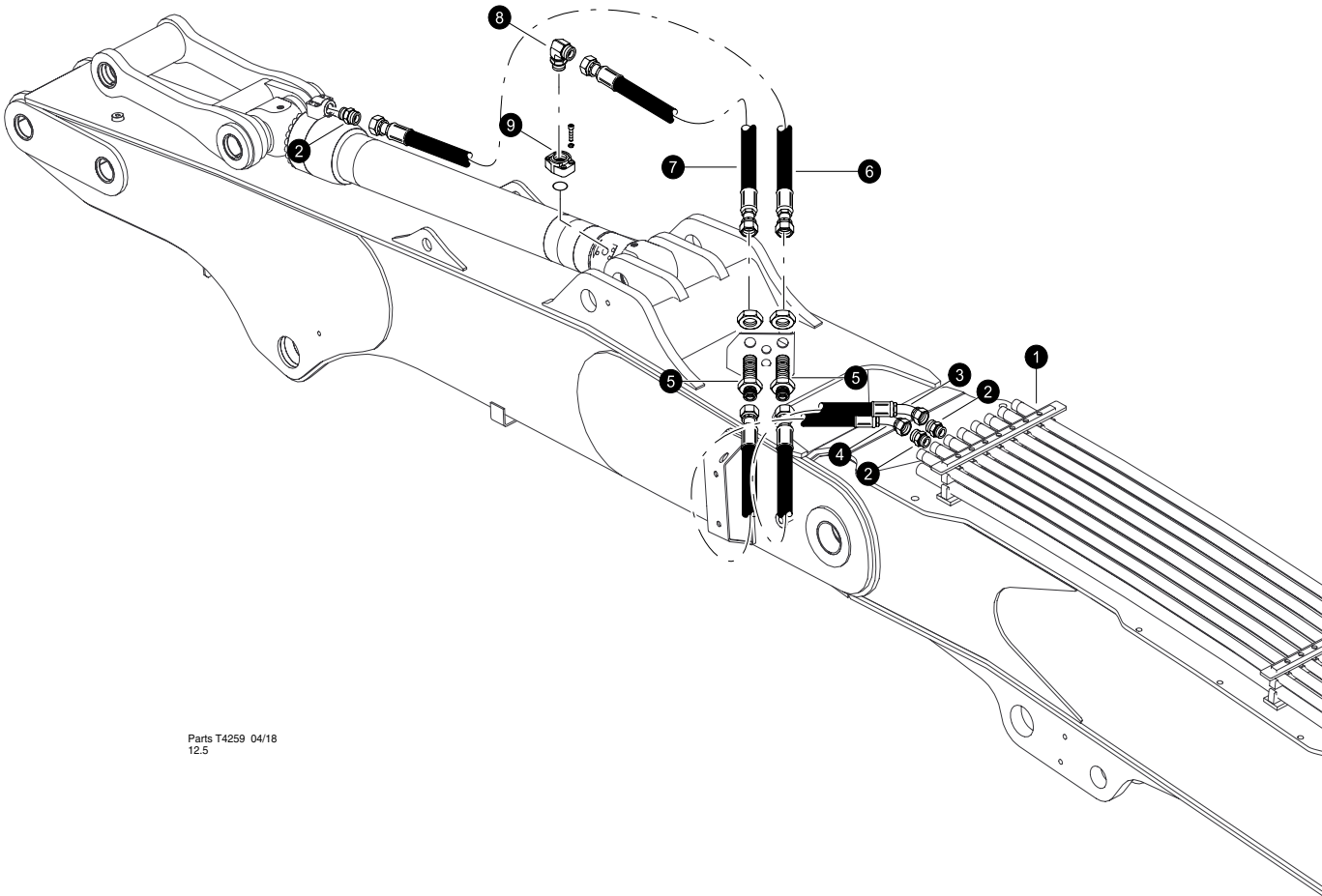
TOOL CYLINDER FUNCTION

(Main Control Valve To Main Boom Tube Lines)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN CONTROL VALVE	FH-1
2	15111-FH	2		KIT, split flange - 1" SF (Code 61)	
-	15377-FH	2		O-RING - 1" SF	
-	18979-FH	8		BOLT, allen M10 X 45MM	
3	15111-FH	2		KIT, split flange - 1" SF (Code 61)	
-	15377-FH	2		O-RING - 1" SF	
-	18979-FH	8		BOLT, allen M10 X 45MM	
4	-FH	1		HOSE ASSEMBLY - 5030CS-16-160S-16PA9 (<i>Stick boom valve work port "A" to Bulkhead</i>)	
5	-FH	1		HOSE ASSEMBLY - 5027.5CS-16-160S-16PA9 (<i>Stick boom valve work port "B" to Bulkhead</i>)	
6	53680-FH	2		ELBOW, BULK UNION (16X16)	
7	-FH	1		HOSE ASSEMBLY - 5043CS-16-160S-16OS (<i>Stick boom TUBELINE to Bulkhead</i>)	
8	-FH	1		HOSE ASSEMBLY - 5043CS-16-160S-16OS (<i>Stick boom TUBELINE to Bulkhead</i>)	
9	15225-FH	2		CONNECTOR, STR - FF1852T-1616S	



See referenced page for component or assembly breakdown.



Parts T4259 04/18
12.5

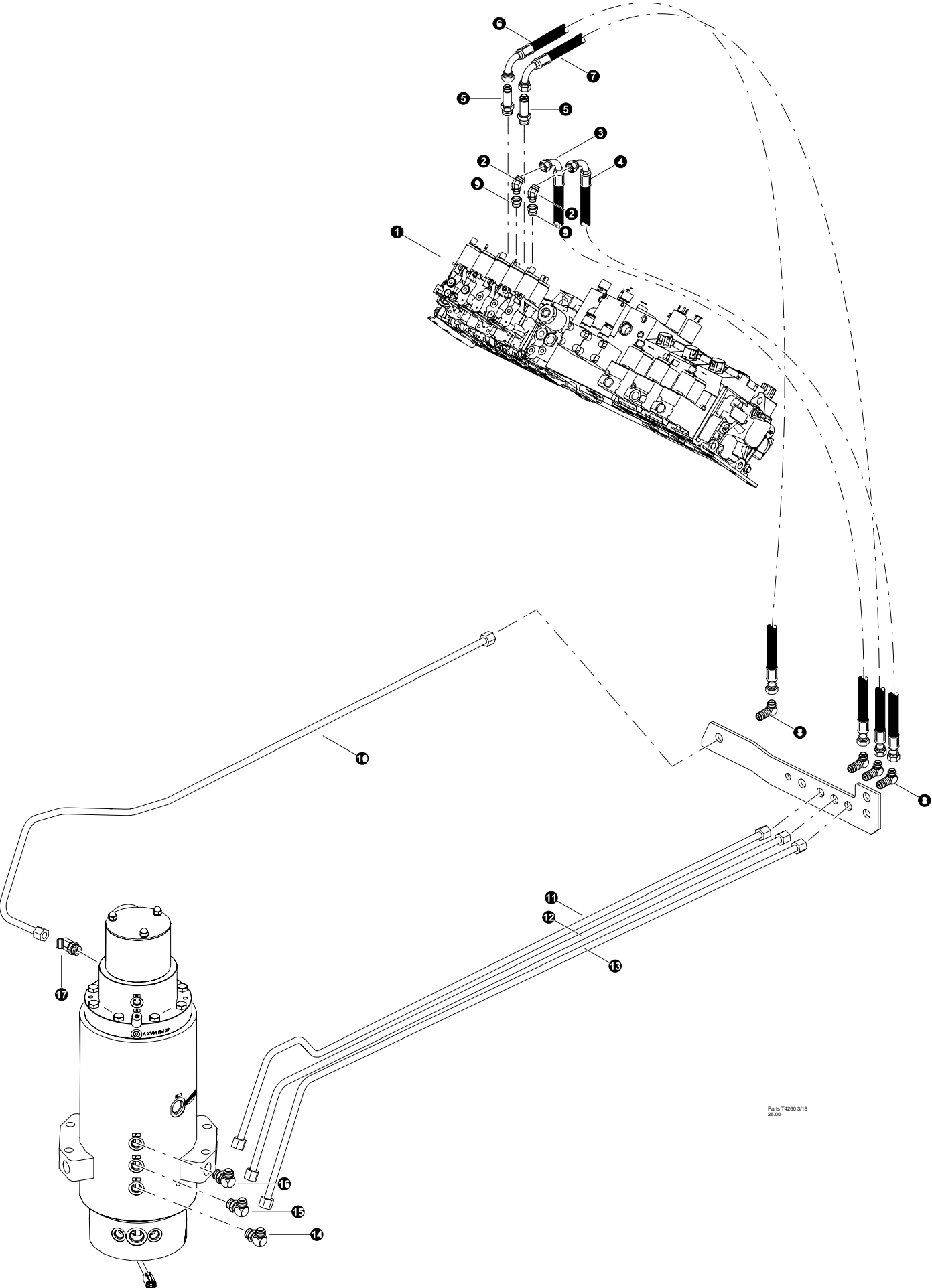
TOOL CYLINDER FUNCTION

(Main Boom To Tool Cylinder)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN BOOM ASSEMBLY	FB-1
2	15225-FH	2		CONNECTOR, STR - FF1852T-1616S	
3	-FH	1		HOSE ASSEMBLY - 5065CS-16-160S-16O4 (<i>Main Boom to Stick Bulkhead</i>)	
4	-FH	1		HOSE ASSEMBLY - 5064CS-16-160S-16O4 (<i>Main Boom to Stick Bulkhead</i>)	
5	20033-FH	2		CONNECTOR, STR BULKHEAD - 832-TT-16	
6	-FH	1		HOSE ASSEMBLY - 5083CS-16-160S-16O4 (<i>Main Boom to Stick Bulkhead</i>)	
7	-FH	1		HOSE ASSEMBLY - 5026CS-16-160S-16O4 (<i>Main Boom to Stick Bulkhead</i>)	
8	15228-HH	2		ELBOW, 90 - FF1868T-1616S	
9	18397-FH	1		CONNECTOR, FLANGE PAD - W48-16-16U(C 62)	



See referenced page for component or assembly breakdown.



CAB LEVELING FUNCTION - OPTIONAL

(Main Control Valve To Rotary Manifold)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN CONTROL VALVE	FH-1
2	55343-FH	2		FITTING, ELBOW - 45DEG - 8 V5OX-S	
3	-FH	1		HOSE ASSEMBLY - 4046-08-08JS-08J9 (<i>Cab Level section "A" to Bulkhead) Rotary Manifold Port 6)</i>	
4	-FH	1		HOSE ASSEMBLY - 4046-08-08JS-08J9 (<i>Cab Level section "A" to Bulkhead) Rotary Manifold Port 4)</i>	
5	55513-FH	2		FITTING, LONG STRAIGHT CONNECTOR #8	
6	-FH	1		HOSE ASSEMBLY - 4043.5-08-08JS-08J9 (<i>Cab Level section "B" to Bulkhead) Rotary Manifold Port 6)</i>	
7	-FH	1		HOSE ASSEMBLY - 4050-08-08JS-08J9 (<i>Cab Level section "B" to Bulkhead) Rotary Manifold Port 4)</i>	
8	55382-FH	4		FITTING, BULKHEAD - 8 WETX-WLN-S	
9	19290-FH	2		BUSHING, REDUCER - 6410-10-8	
10	57269-FH	1		TUBELINE, RM #5 TO LEVEL BULKHEAD	
11	57270-FH	1		TUBELINE, RM #6 TO LEVEL BULKHEAD	
12	57271-FH	1		TUBELINE, RM #4 TO LEVEL BULKHEAD	
13	57272-FH	1		TUBELINE, RM #2 TO LEVEL BULKHEAD	
14	15481-FH	1		ELBOW, 90 - 6801-8	
15	15481-FH	1		ELBOW, 90 - 6801-8	
16	15481-FH	1		ELBOW, 90 - 6801-8	
17	55343-FH	1		ELBOW, 90 - 6801-8	



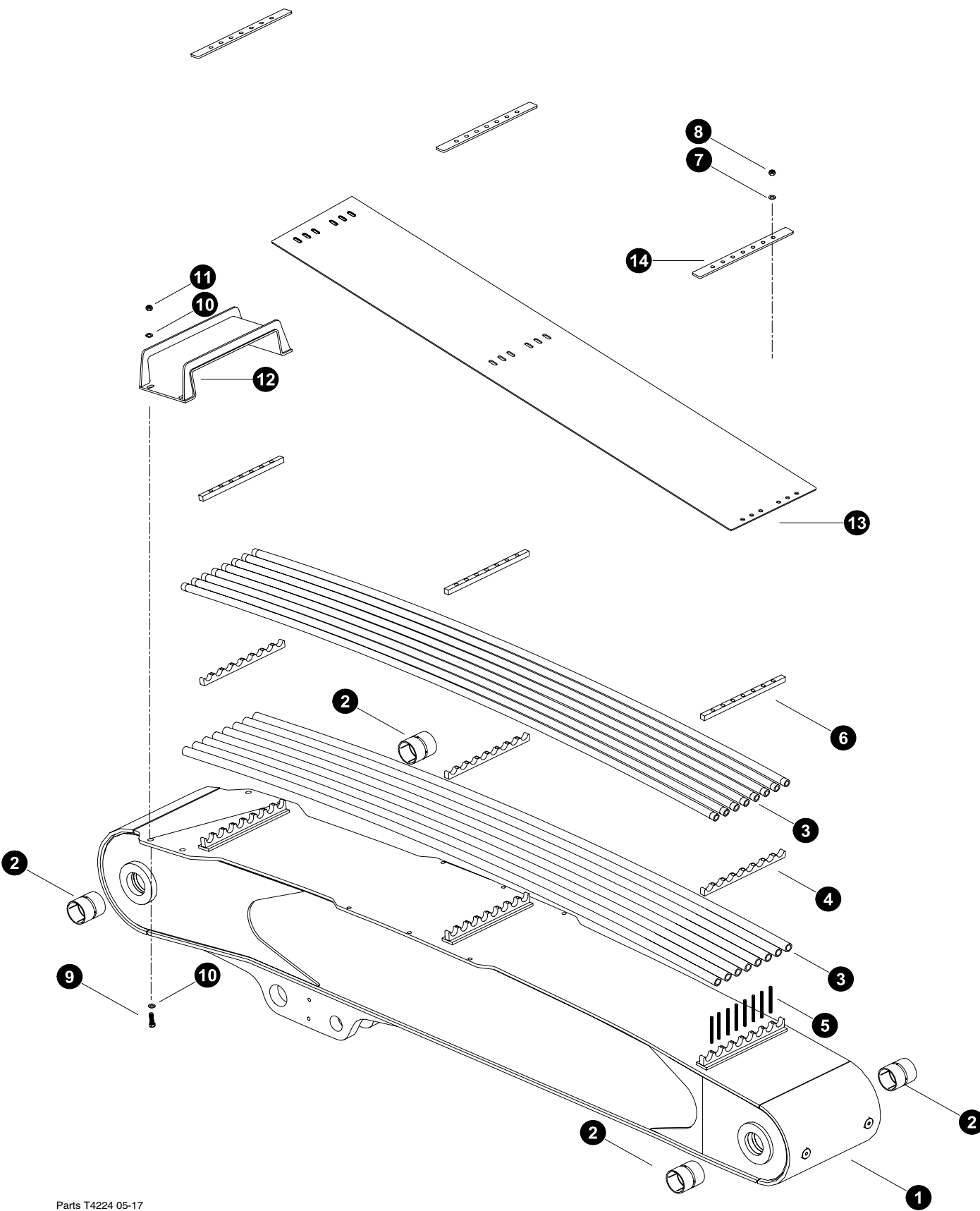
See referenced page for component or assembly breakdown.

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Section FB-1

Feller Buncher Booms - Main Boom - 765

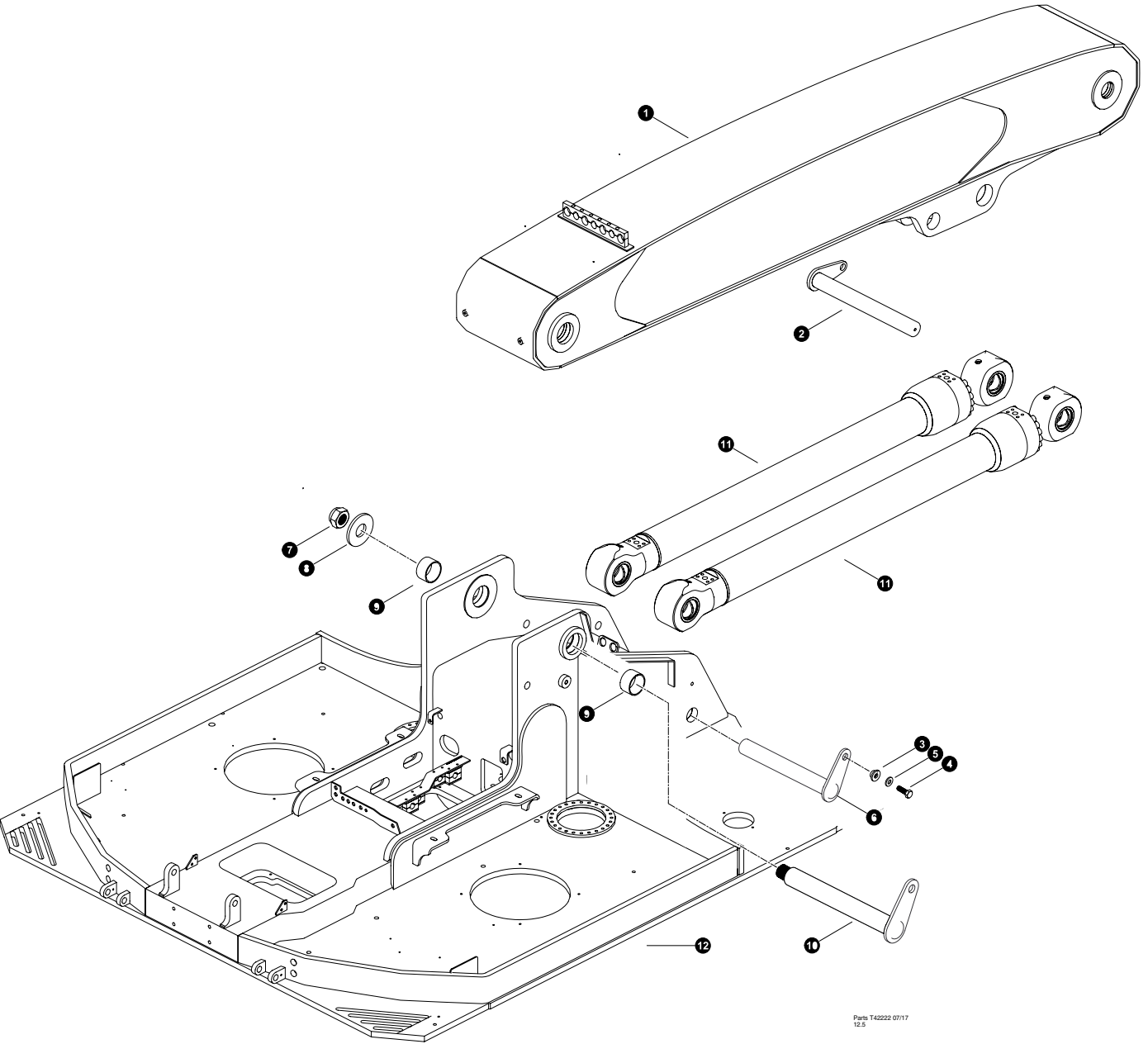


Parts T4224 05-17
12.5

MAIN BOOM COMPONENTS FELLER BUNCHER BOOMS

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	48100-FB	1	☐	WELDMENT, MAIN BOOM FB - TL765C	
2	48115-FB	4		BUSHING - 4.5" X 4" X 5"	
3	48306-FB			TUBELINE, BENT - 1" x 132"	
	48307-FB			TUBELINE, BENT - .75" X 130"	
	48308-FB			TUBELINE, BENT - .5" X 130"	
4	48273-FB	3		CLAMP, SADDLE TAPPED	
5	32880-FB	16		STUD, 5/8" x 7	
	32886-FB	8		STUD, 5/8" x 9	
6	48343-FB	3		CLAMP, SADDLE - TOP	
7	10771-FB	9		WASHER, SAE flat - 5/8"	
8	15563-FB	9		NUT, nylock - 5/8"	
9	10775-FB	4		BOLT - .75" X 2.5"	
10	15550-FB	8		WASHER, SAE FLAT - .75"	
11	10817-FB	4		NUT, LOCK - .75"	
12	48635-FB	1		GUARD, HOSE - MAIN BOOM 765	
13	48791-FB	1		BELTING, F/B MAIN BOOM TOP - 765	
14	48663-FB	3		BAR, DEBRIS FLAP HOLD-DOWN	

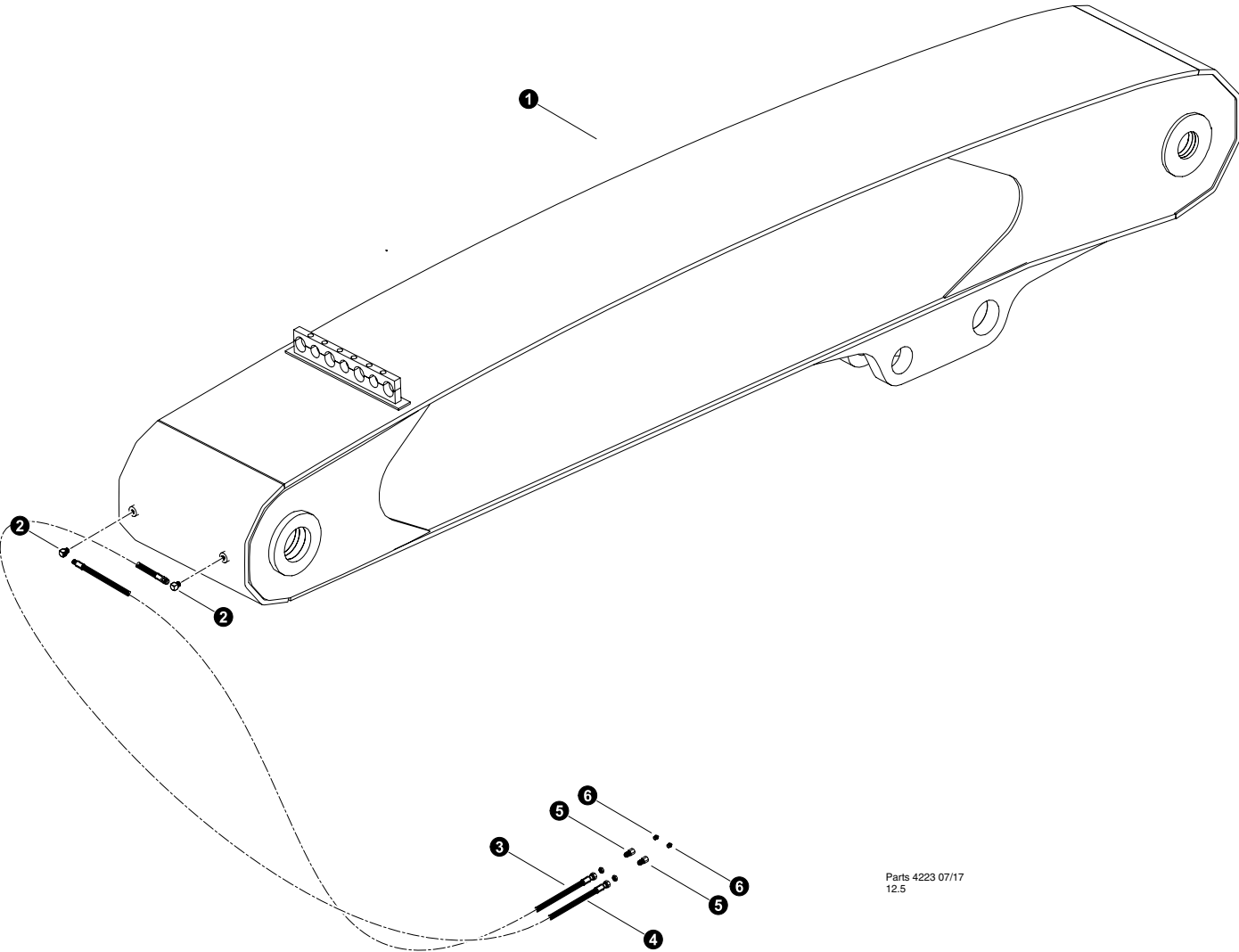
☐ Kit or Assembly - includes all items indented underneath.



MAIN BOOM INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		MAIN BOOM ASSEMBLY	FB-1
2	48532-LB	1		PIN, MAIN CYL ROD - TL765	
3	18570-LB	2		WASHER, PIN RETAINING	
4	10841-LB	1		BOLT - .75" X 3.5"	
5	15550-LB	2		WASHER, SAE FLAT - .75"	
6	48532-LB	1		PIN, MAIN CYL BASE END - TL765	
7	10728-LB	1		NUT, NYLOCK - 2" (ZINC PLATED)	
8	19384-LB	1		WASHER, BURNED - 2.12" ID X 6" OD X .5"	
9	48116-LB	2		BUSHING - 4.5" X 4" X 2.50" - 765	
10	48473-LB	1		PIN, MAIN BOOM TO UPPER - 765	
11	REF.	1		MAIN BOOM CYLINDERS	FB-3
12	REF.	1		UPPER TURNTABLE WELDMENT.....	UP-1

-  Kit or Assembly - includes all items indented underneath.
-  See referenced page for component or assembly breakdown.



Parts 4223 07/17
12.5

MAIN BOOM GREASE LINES

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		MAIN BOOM ASSEMBLY	FB-1
2	22281-FB	6		FITTING, 90° - 5546132	
3	-FB	2		HOSE ASSEMBLY 2108-02-02PS-04JS	
4	-FB	2		HOSE ASSEMBLY 2108-02-02PS-04JS	
5	15658-FB	2		CONNECTOR, straight bulkhead - 2239-2-4S	
6	10704-FB	7		FITTING, straight grease - 1/8" pipe thread	

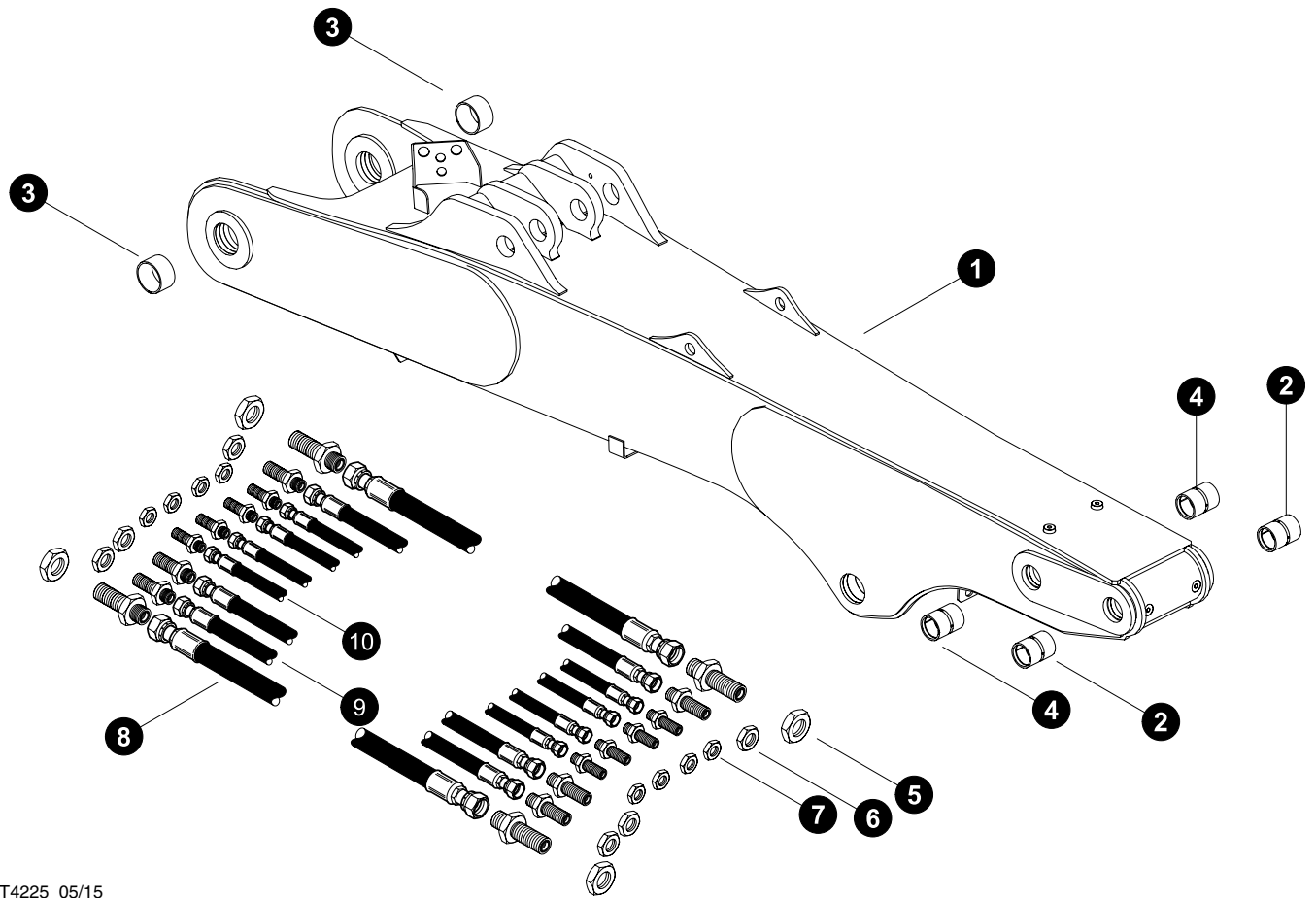
-  Kit or Assembly - includes all items indented underneath.
-  See referenced page for component or assembly breakdown.

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Section FB-2

Feller Buncher Booms - Stick Boom (Feller Buncher)

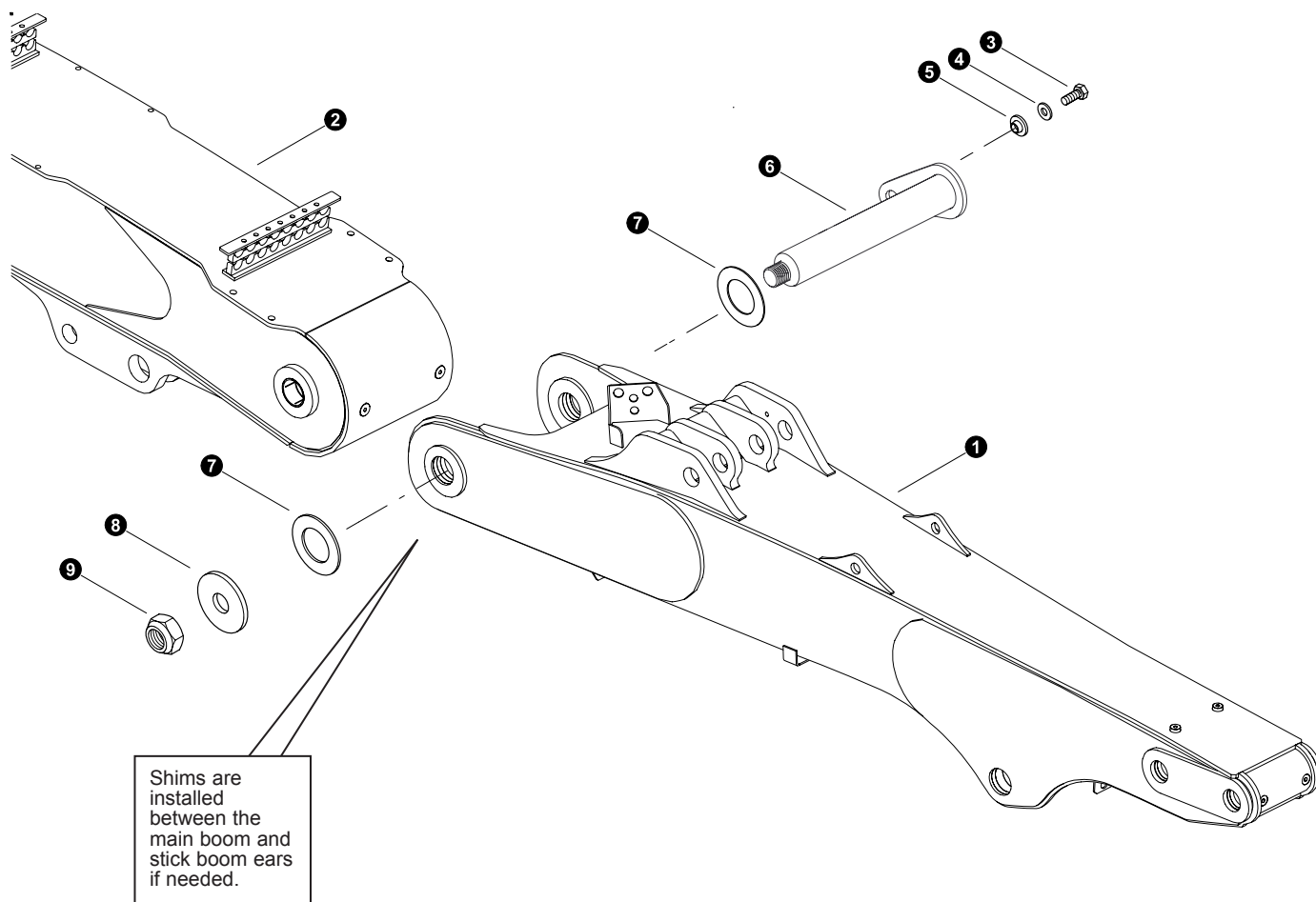


Parts T4225 05/15
6.25

STICK BOOM COMPONENTS (Standard Stick Boom)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	49000-FB	1	WELDMENT, STICK BOOM F/B	
2	48425-FB	2	BUSHING, 3.5"X3.0"X 4.5"	
3	48116-FB	2	BUSHING - 4.5" X 4" X 2.50"	
4	48425-FB	2	BUSHING, 3.5"X3.0"X 4.5"	
5	15351-FB	4	CONNECTOR, STR BULKHEAD - 2041-16-16S	
6	17009-FB	4	CONNECTOR, STR BULKHEAD - 2700-12	
7	20196-FB	8	CONNECTOR, STR BULKHEAD - FF1994T-0808S	
8	-FB	2	HOSE ASSEMBLY 5097CS-16-06OS-16OS-SW	
9	-FB	2	HOSE ASSEMBLY 5098CS-12-12OS-12OS-SW	
10	-FB	4	HOSE ASSEMBLY 5098CS-08-08OS-08OS-SW	

☐ Kit or Assembly - includes all items indented underneath.



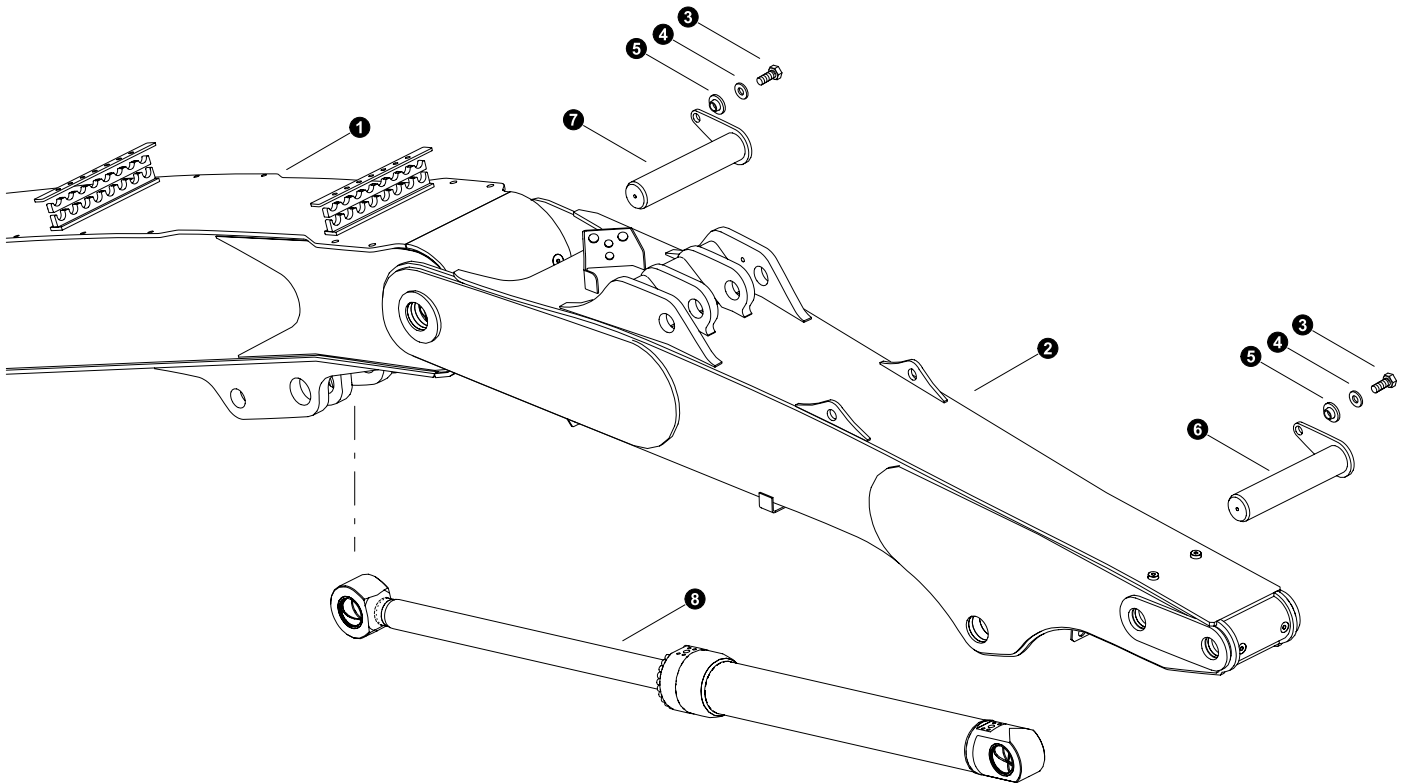
Parts T4226 05/17
12.50

STICK BOOM INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		STICK BOOM ASSEMBLY.....	FB-2
2	REF.	1		MAIN BOOM ASSEMBLY	FB-1
3	10775-FB	1		BOLT - 3/4" x 2.5"	
4	15550-FB	1		WASHER, SAE flat - 3/4"	
5	54136-FB	1		WASHER, pin retaining	
6	48473-FB	1		PIN, MAIN BOOM TO UPPER / STICK	
7	-FB	AR		SHIM - 7 gauge	
	-FB	AR		SHIM - 10 gauge	
	-FB	AR		SHIM - 14 gauge	
8	19384-FB	1		WASHER, burned	
9	10728-FB	1		NUT, nylock - 2"	



See referenced page for component or assembly breakdown.



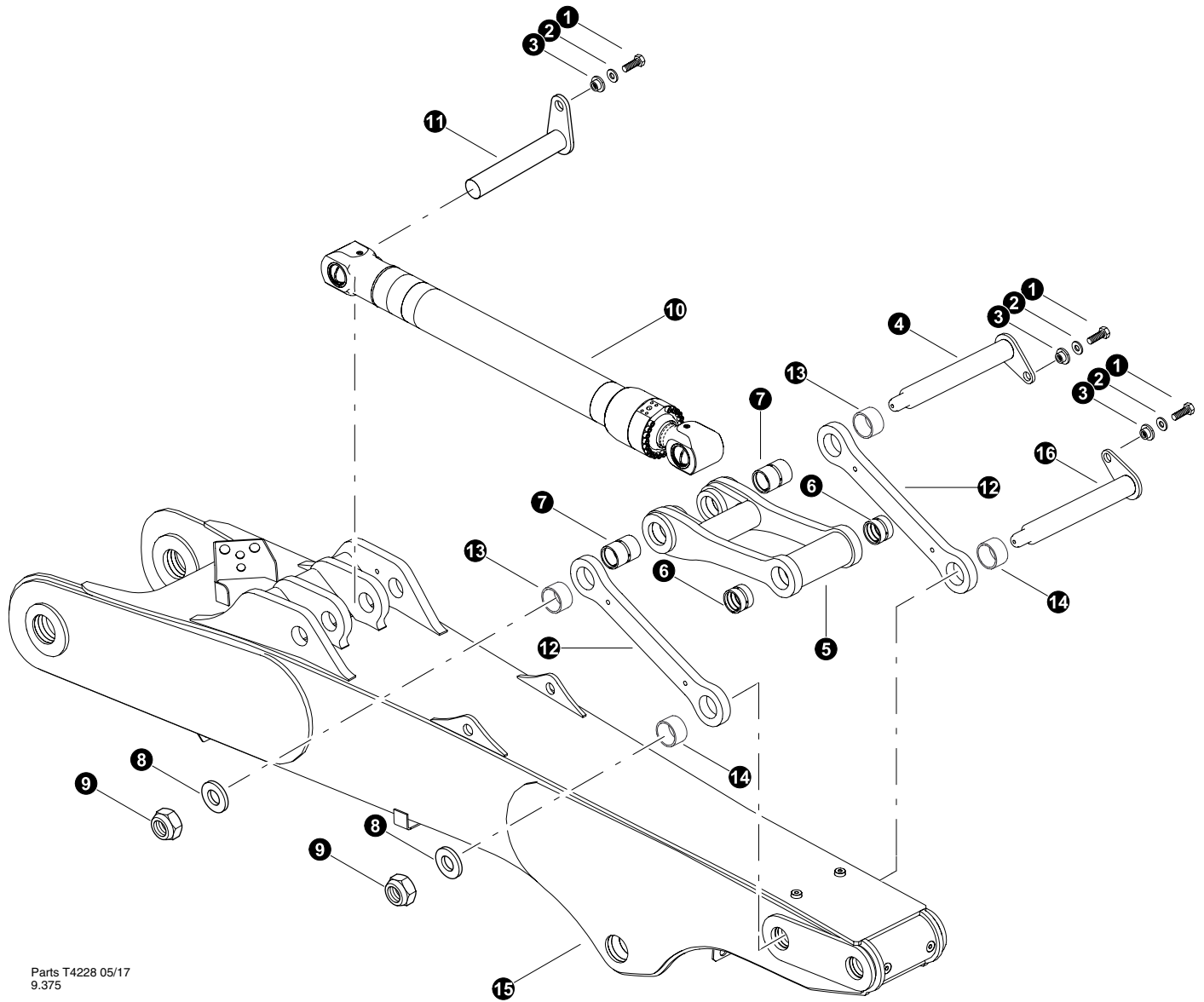
Parts T4227 05/17
12.5

STICK BOOM (JIB) CYLINDER INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN BOOM ASSEMBLY	FB-1
2	REF.	1		STICK BOOM ASSEMBLY.....	FB-2
3	15549-FB	1		BOLT - 3/4" x 2"	
4	15550-FB	1		WASHER, SAE flat - 3/4"	
5	18570-FB	1		WASHER, pin retaining	
6	48533-FB	1		PIN, STICK CYL CYLINDER - TL765	
7	48533-FB	1		PIN, STICK CYL CYLINDER - TL765	
8	REF.	1		STICK BOOM (JIB) CYLINDER	FB-4



See referenced page for component or assembly breakdown.



Parts T4228 05/17
9.375

4-BAR LINKAGE INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	15549-FB	2	BOLT - 3/4" x 2"	
2	15550-FB	2	WASHER, SAE flat - 3/4"	
3	18570-FB	2	WASHER, pin retaining	
4	48310-FB	2	PIN, 4-BAR - 3" x 20"	
5	48765-FB	1	WELDMENT, LINK BOOM TO TOOL CYL - TAIL	
6	48303-FB	2	BUSHING, 3.5 X 3.0X 2.5	
7	48425-FB	2	BUSHING, 3.5"X3.0"X 4.5"	
8	12021-FB	2	WASHER, burned	
9	10728-FB	2	NUT, nylock - 2"	
10	REF.	1	 TOOL TILT CYLINDER	FB-4
11	48534-FB	1	PIN, TOOL TILT CYL BASE	
12	48773-FB	2	 BAR, BOOM TO TOOL CYLINDER LINKAGE	
13	48303-FB	1	BUSHING, 3.5 X 3.0X 2.5	
14	48303-FB	1	BUSHING, 3.5 X 3.0X 2.5	
15	REF.	1	 STICK BOOM ASSEMBLY.	FB-2
16	48310-FB	1	PIN, 4-BAR - 3" x 20"	

 Kit or Assembly - includes all items indented underneath.

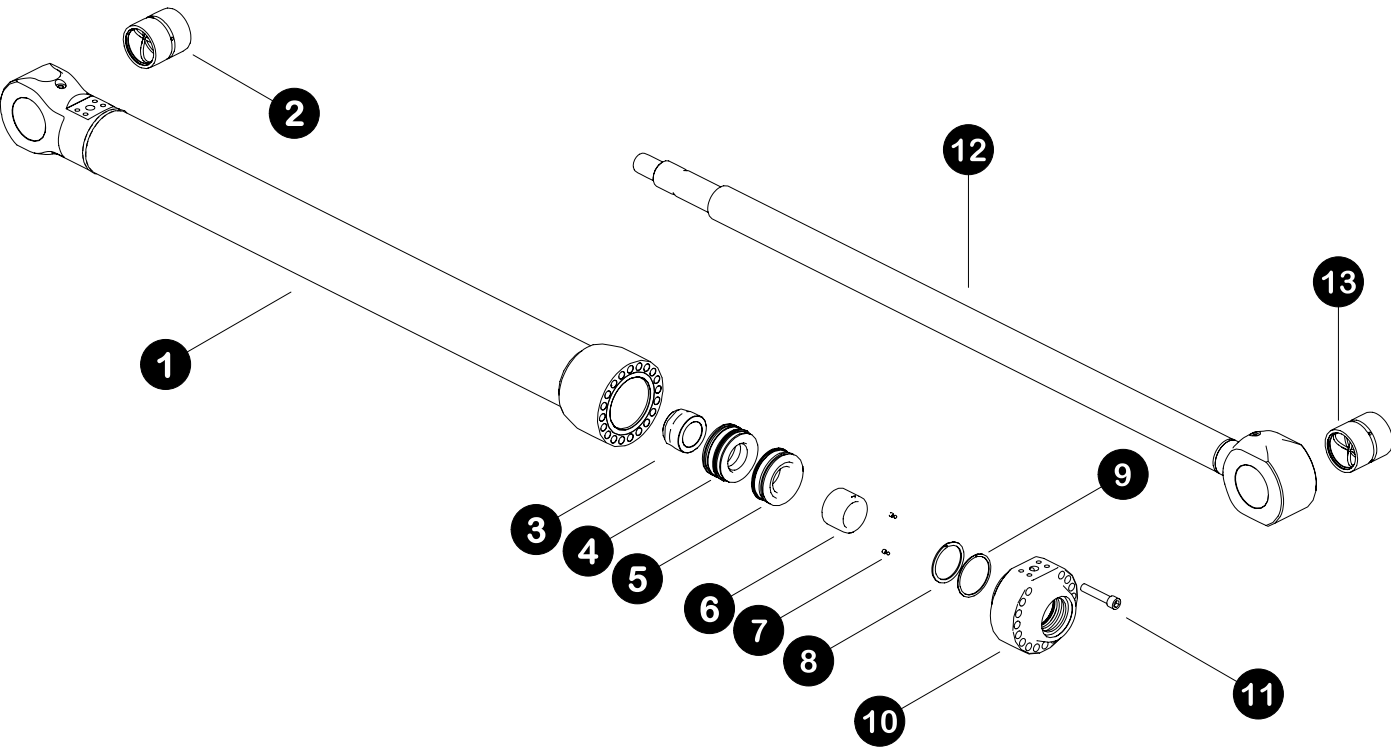
 See referenced page for component or assembly breakdown.

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Section FB-3

Feller Buncher Booms - Cylinders



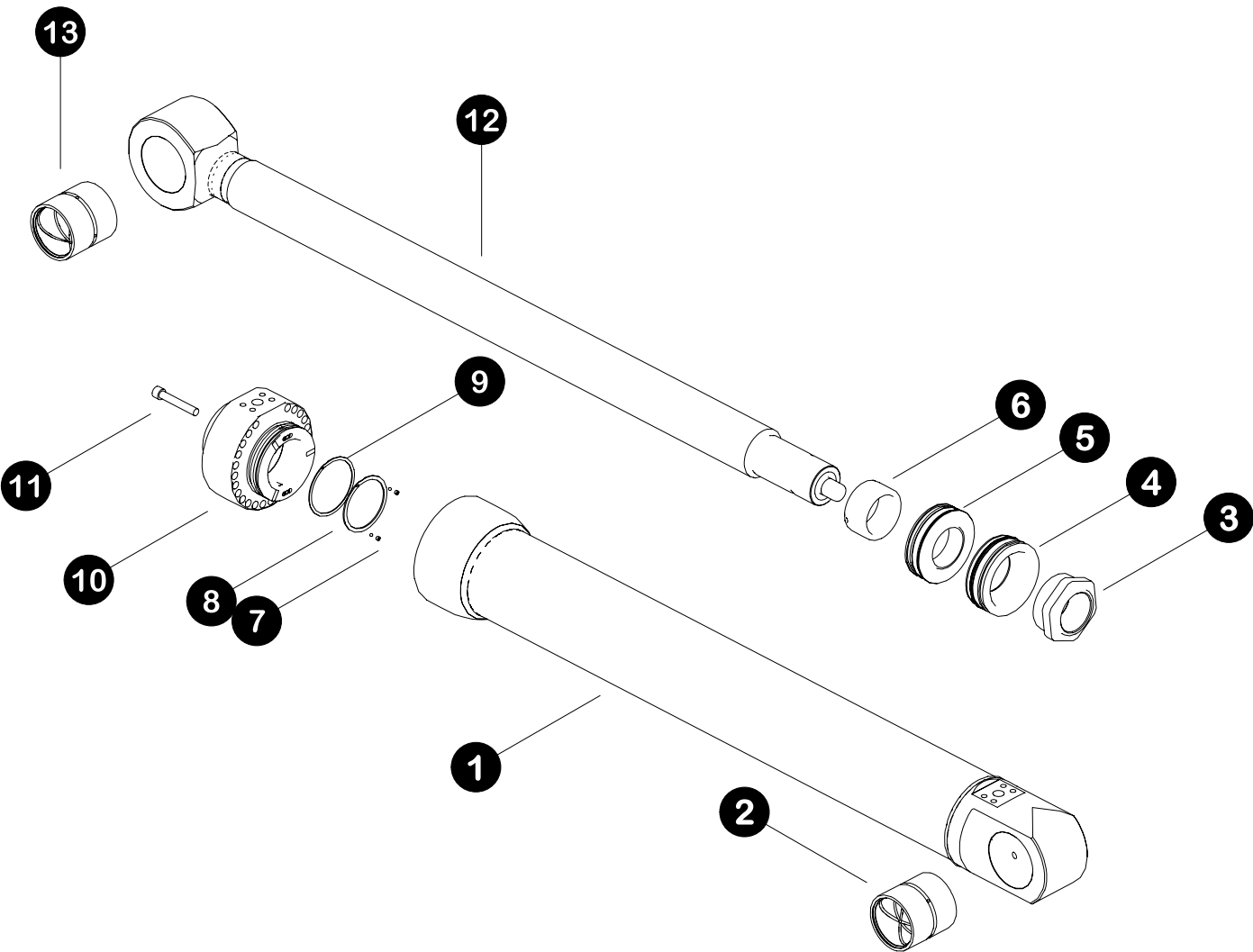
Parts 4229 07/17
12.5

MAIN BOOM (HOIST) CYLINDER - 6"

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	55463-FB	1	☐	CYLINDER, MAIN - TL765 (4.5 Inch Dia) 54" Stroke	
1	TP450100-FB	1	☐	BARREL ASSEMBLY	
2	BB300400-FB	2		BUSHING	
3	-FB	1		NUT, M58	
4	TP450110-FB	1		PISTON, BACK	
5	TP450109-FB	1		PISTON, FRONT	
6	TC110217-FB	1		SLEEVE, Cushion	
7	NSS	2		BALL AND SETSCREW	
8	NSS	1		RING, spiral retaining	
9	NSS	1		RING, spiral retaining	
10	TP450108-FB	1		GLAND, head	
11	-FB	17		BOLT, Metric	
12	TP450105-FB	1	☐	ROD ASSEMBLY	
13	BB300400-FB	2		BUSHING	

- SK45007500-FB 1 KIT, seal repair - main boom cylinder 765

☐ Kit or Assembly - includes all items indented underneath.



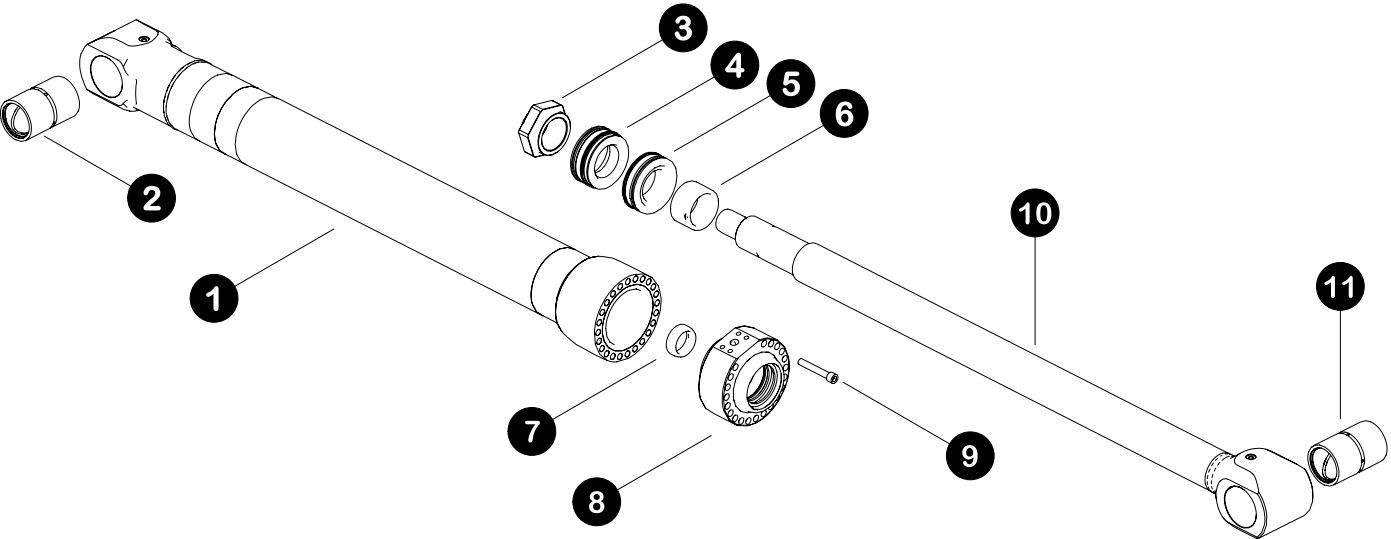
Parts 4230 07/17
12.5

STICK BOOM (JIB) CYLINDER (6.5" Dia) **STANDARD**

(Please Verify Part Number Stamped on Base End of Cylinder Before Ordering Parts)

REF	PART #	QTY		DESCRIPTION	SEE PAGE
-	55464-HB	1	☐	CYLINDER, STICK - TL765 (6.5 INCH DIA) 54" Stroke	
1	TP650100-HB	1	☐	BARREL ASSEMBLY	
2	BB425500 -HB	1		BUSHING	
3	-HB	1		NUT M90	
4	TP650110-HB	1		PISTON, Back	
5	TP650109-HB	1		PISTON, Front	
6	TP650117-HB	1		SLEEVE, Cushon	
7	-HB	1		Int spiral retaining ring	
8	-HB	1		Int spiral retaining ring	
9	TP650108-HB	1		HEAD GLAND	
10	-HB	25		BOLT - M16X100 (173 FT-LBS)	
11	TP650105-HB	1		ROD	
12	BB425500 -HB	1		BUSHING	
-	SK65011000-HB	1		KIT, seal repair - Stick cylinder	

☐ Kit or Assembly - includes all items indented underneath.



Parts 4231 07/17
12.5

TOOL TILT CYLINDER**(Used With 4-Bar Linkage)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	48065-FB	1	☐	CYLINDER, TOOL TILT - TL765	
1	TP130200-FB	1	☐	BARREL ASSEMBLY	
2	BB300575-FB	2		BUSHING	
3	-FB	1		NUT, M75	
4	TP130110-FB	1		PISTON, BACK	
5	TP130109-FB	1		PISTON, FRONT	
6	TC130117-FB	1		SLEEVE, Cushion	
7	TC12021-FB	1		SLEEVE,	
8	TC130108FB	1		GLAND, head	
9	-FB	17		BOLT, Metric	
10	TP130105-FB	1	☐	ROD ASSEMBLY	
11	BB300575-FB	2		BUSHING	
-	57770-FB	1		KIT, seal repair - tool tilt cylinder	

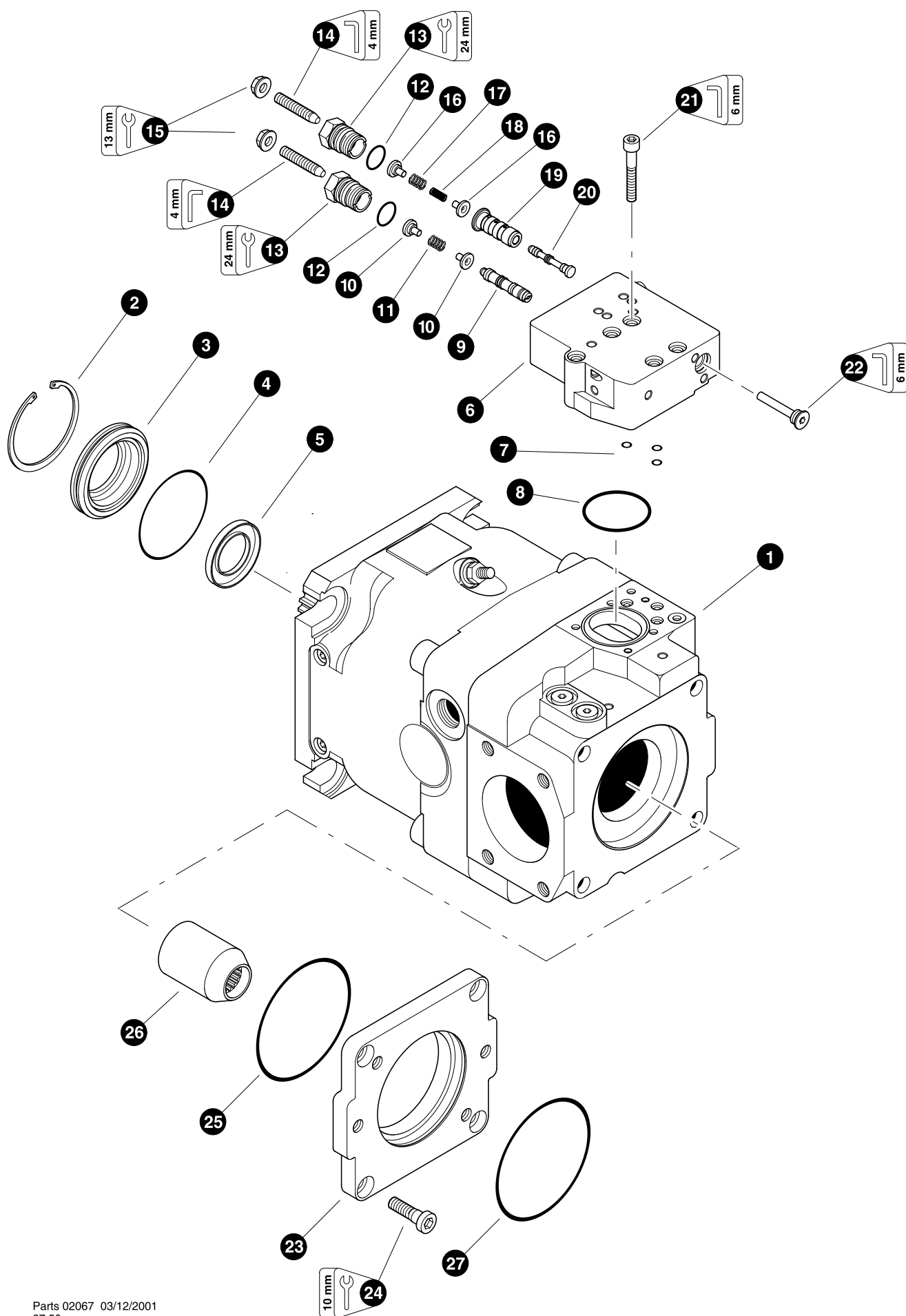
☐ Kit or Assembly - includes all items indented underneath.

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Section HH-1

Hydraulics - Implement Pump and Control Valve



IMPLEMENT PUMP (Rexroth 145cc)

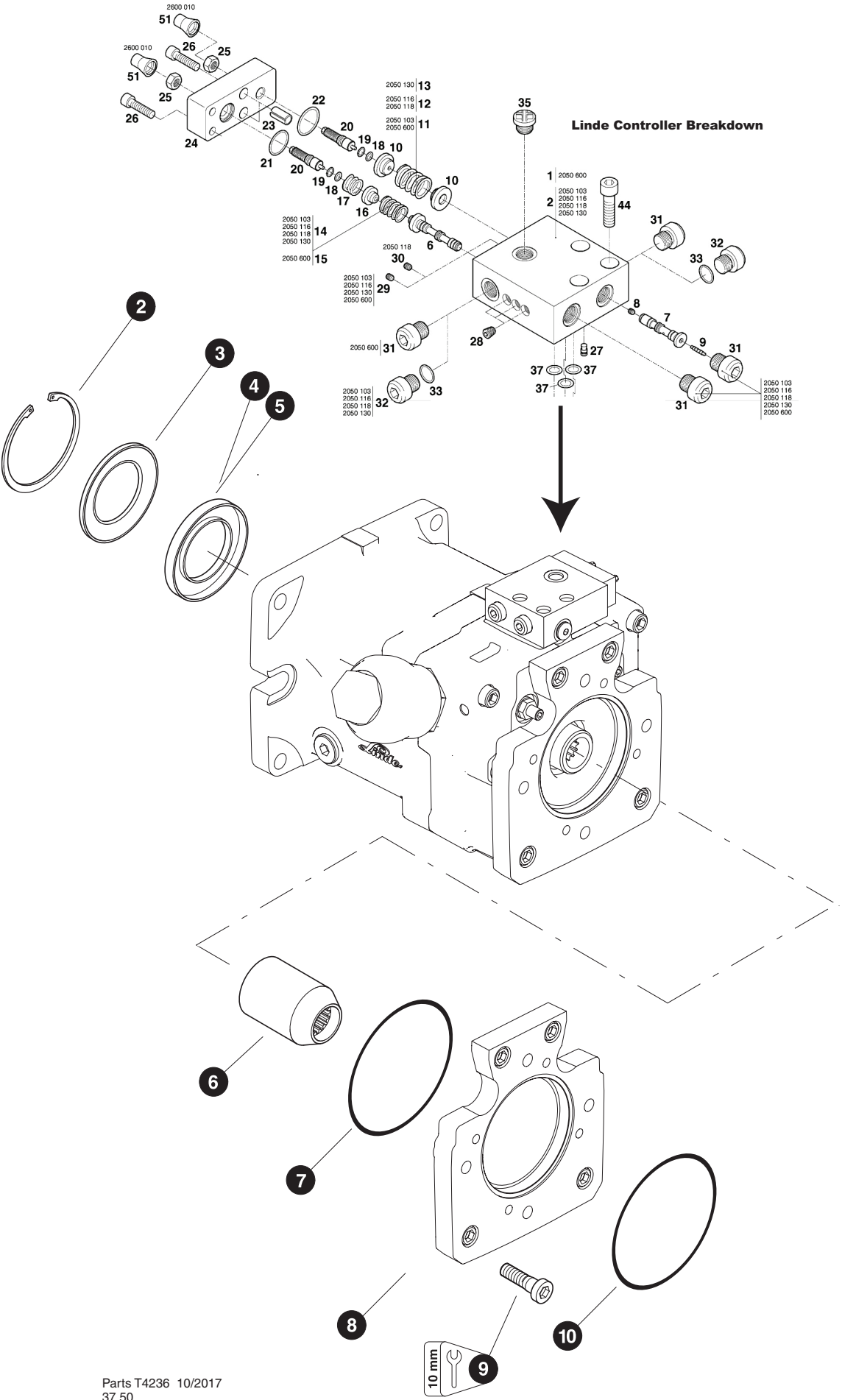
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	55459-HH	1	□	PUMP, IMPLEMENT - C SERIES REX 145 CC	
2	21546-HH	1		RING, seal retaining	
3	21547-HH	1		COVER, front	
4	21548-HH	1	⌘	O-RING, front cover	
5	18687-HH	1	⌘	SEAL, shaft	
6	18681-HH	1	□	COMPENSATOR	
7	20809-HH	3	⌘	O-RING, quad	
8	20808-HH	1	⌘	O-RING, compensator	
9	NSS	1		SPOOL, POR pressure	
10	21551-HH	2		RETAINER, spring	
11	21552-HH	1		SPRING	
12	21553-HH	2	⌘	O-RING, compensator cap	
13	21554-HH	2		CAP, compensator	
14	20358-HH	2	⌘	NUT, seal	
15	21555-HH	2		SCREW, adjusting	
16	21558-HH	2		RETAINER, spring	
17	21556-HH	1		SPRING	
18	21557-HH	1		SPRING	
19	NSS	1		SLEEVE, spool	
20	NSS	1		SPOOL, stand-by pressure	
21	21559-HH	5		BOLT, allen head - 8mm x 50mm	
22	NSS	1		PLUG	
23	24424-HH	1	□	KIT, FLANGE, thru drive vlo	
24	17608-HH	4		BOLT, allen head - 12mm-1.75P x 30mm	
25	57643-HH	1	⌘	O-RING, thru drive flange	
26	18843-HH	1		COUPLING, thru drive	
27	19491-HH	1		O-RING, thru drive cover	
--	18799-HH	1		KIT, seal repair (<i>Complete pump</i>)	

□ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit, PN# 18799-HH.

Note:

Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.



Parts T4236 10/2017
37.50

IMPLEMENT PUMP (Linde 165cc)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	57599-HH	1	☐	PUMP, IMPLEMENT - Linde 165cc HPR	
2	9456622624	1		locking ring 72x2,5 DIN 472	
3	9289003751	1		shim ring 56x72x1 DIN 988	
4	0009280345	1		shaft packing DAS50x72x8-V75	
5	0009281807	1		shaft seal AS50x72x7-NBR90 DIN 3760	
6	5993051213	1		coupling sleeve ANSI 16/32 21Z-12/24 14	
7	0009630840	1		O-ring 84x2,5-FKM80	
8	2562311403	1		intermediate flange SAE C	
9	9045341385	4		socket head screw M14x135-10.9 ISO 4762	
10	0009631107	1		O-ring 132x3-FKM80	

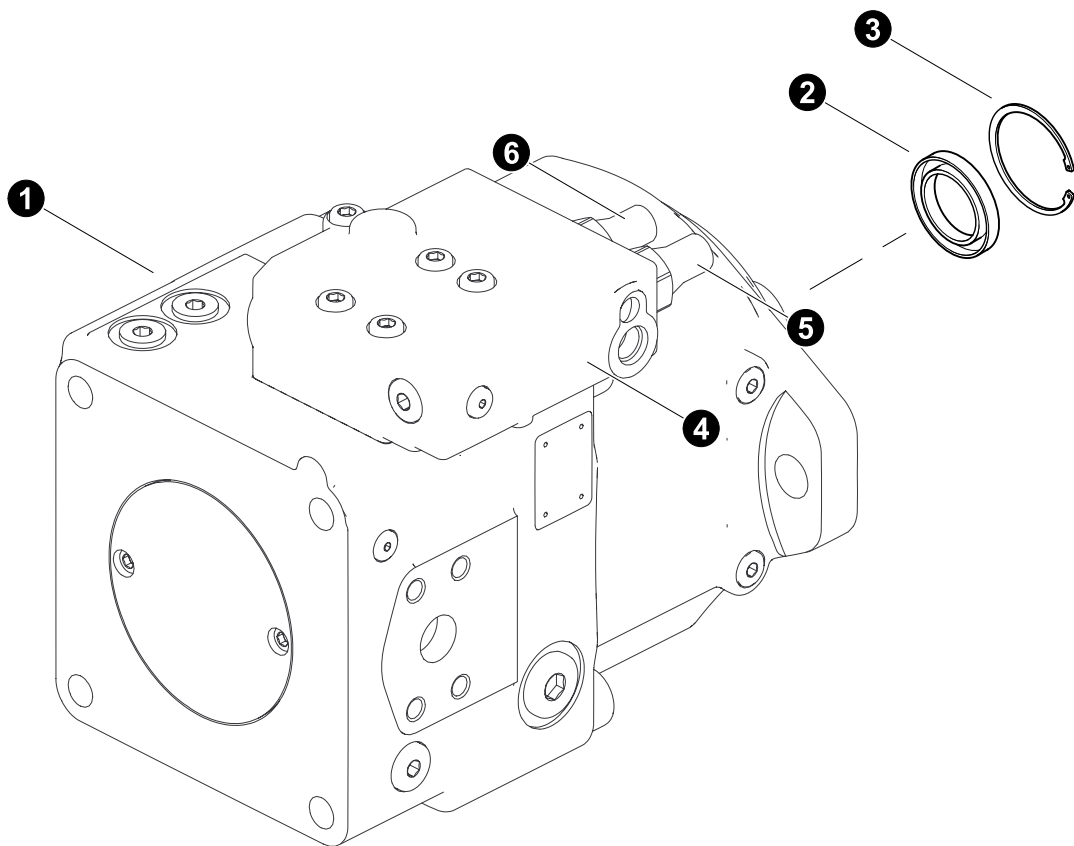
Controller 5853400780 Breakdown

1	---	4	1	housing LP/DIN	
2	---	4	1	housing LP/ISO	
6	---	4	1	pilot	
7	---	4	1	pilot HPR-02 LP	
8	---	4	1	threaded pin M3x5-22H ISO 4026	
9	2553450315		1	piston	
10	5853433800		2	spring plate	
11	0009212428		1	compression spring 2,4x14,9x35,4	
12	0009212447		1	compression spring 2,4x14,9x41,0x6	
13	0009212551		1	compression spring 2,5x15x45,1	
14	0009212632		1	compression spring 2,6x10,9x19,0	
15	0009212575		1	compression spring 2,5x10,9x19,7	
16	5853433806		1	spring plate	
17	0009211159		1	compression spring 1,1x12,9x14,3x1,9	
18	0009630002		2	O-Ring 6,9x1,8-FKM80 ISO 3601-1	
19	0009622734		2	back-up ring A10x1,5x1-TEF	
20	5853432401		2	screw	
21	0009632237		1	O-ring 20,35x1,78-FKM80 ISO 3601-1	
22	0009632221		1	O-ring 25,12x1,78-FKM80 ISO 3601-1	
23	9384620366		2	slotted spring pin 8x16 DIN 7346	
24	5853412004		1	cover	
25	9210317114		2	hexagon nut M8x1-8-A2C ISO 8673	
26	9045341135		4	socket-head screw M6x25-10.9 ISO 4762	
27	0009515127		1	plug HK5x6x43AK	
28	0009033195		3	screw plug M8x1-5.8	
29	9133339061		1	threaded pin M4x6-22H DIN 913	
30	0009445584		1	nozzle D0,7-M4-St WN 42775	
31	9148010156		4	screw plug M14x1,5-V80 WN 14141	
32	0009524020		2	screw plug PLIH-M14x1,5-FKM80 ISO 6149-4	
33	0009632106		2	O-ring 11,3x2,4-FKM80	
35	0009620177		1	screw plug M14x1,5-KS WN 14142	
37	0009632114		3	O-ring 10,5x1,5-FKM80	
44	9045348186		3	socket head screw M8x30-10.9-PHR ISO 4762	
51	7152102008		2	cap M8x26-KS-BL WN14605	

☐ Kit or Assembly - includes all items indented underneath.

Note:

Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.

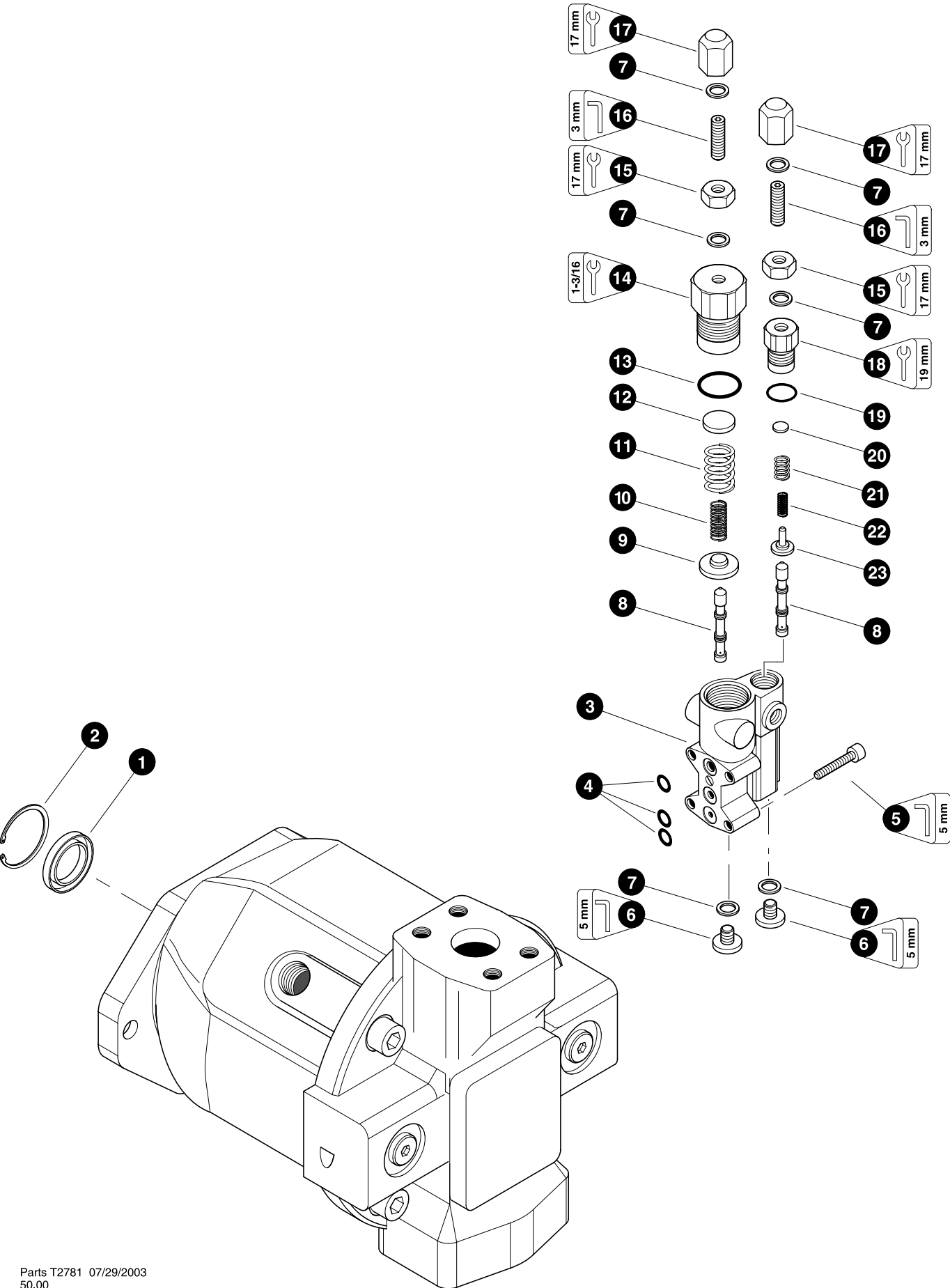


Parts T4080 05/15
50.00

AUX - DISC SAW PUMP**High Pressure (60cc)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	54523-HH	1	☐	PUMP, DISC SAW - HIGH PRESSURE (60CC)	
2	57451-HH	1		SHAFT SEAL	
3	R909083416	1		RETAINING RING	
4	R909608948	1	☐	CONTROLLER	
5	R909608948	1		HIGH PRESSURE	
6	R909609420	1		STANDBY	
-	-HH	1		KIT, seal repair - disc saw pump	

☐ Kit or Assembly - includes all items indented underneath.



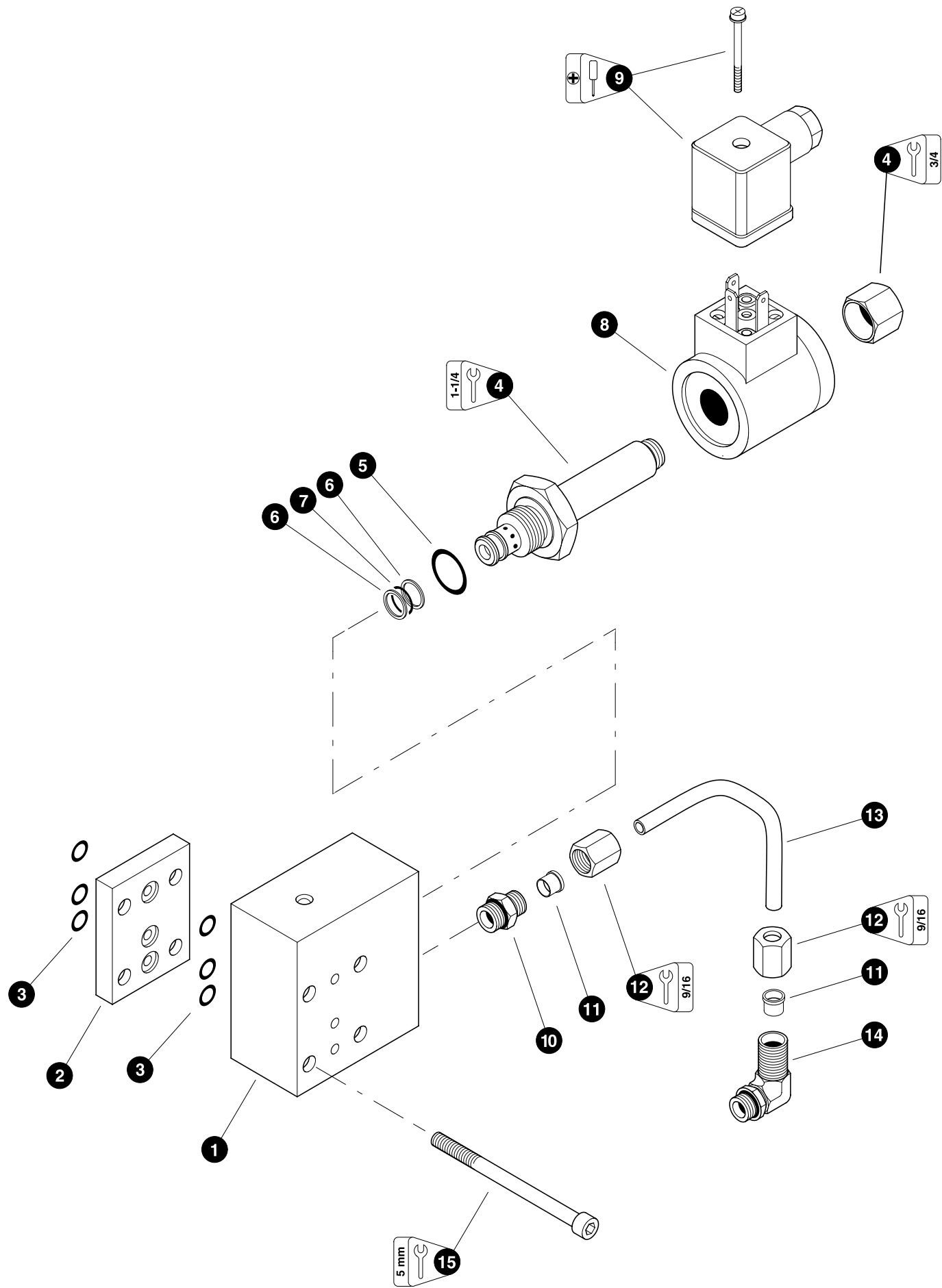
Parts T2781 07/29/2003
50.00

AUX - BRUSH PUMP (71 cc)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
--	19509-HH	1	☐	PUMP, AUX - Brush cutter 71cc	
1	22881-HH	1		SEAL, shaft	
2	22882-HH	1		RING, seal retaining	
--	15891-HH	1	☐	COMPENSATOR, pump control	
3	NSS	1		HOUSING ASSEMBLY	
4	16856-HH	3	⌘	O-RING	
5	21582-HH	4		BOLT, compensator mounting	
6	20339-HH	2		PLUG	
7	16855-HH	6	⌘	SEAL, ring	
8	NSS	2		SPOOL	
9	NSS	1		RETAINER, spring	
10	NSS	1		SPRING	
11	NSS	1		SPRING	
12	NSS	1		RETAINER, spring	
13	NSS	1	⌘	O-RING	
14	NSS	1		CAP, compensator	
15	17458-HH	2		NUT, jam - 8mm	
16	17459-HH	2		SCREW, adjustment - 8mm	
17	17697-HH	2		NUT, acorn	
18	NSS	1		CAP, compensator	
19	NSS	1	⌘	O-RING	
20	NSS	1		RETAINER, spring	
21	NSS	1		SPRING	
22	NSS	1		SPRING	
23	NSS	1		RETAINER, spring	
-	19757-HH	1		KIT, seal repair - disc saw pump	

☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit Part # 16712-OD.



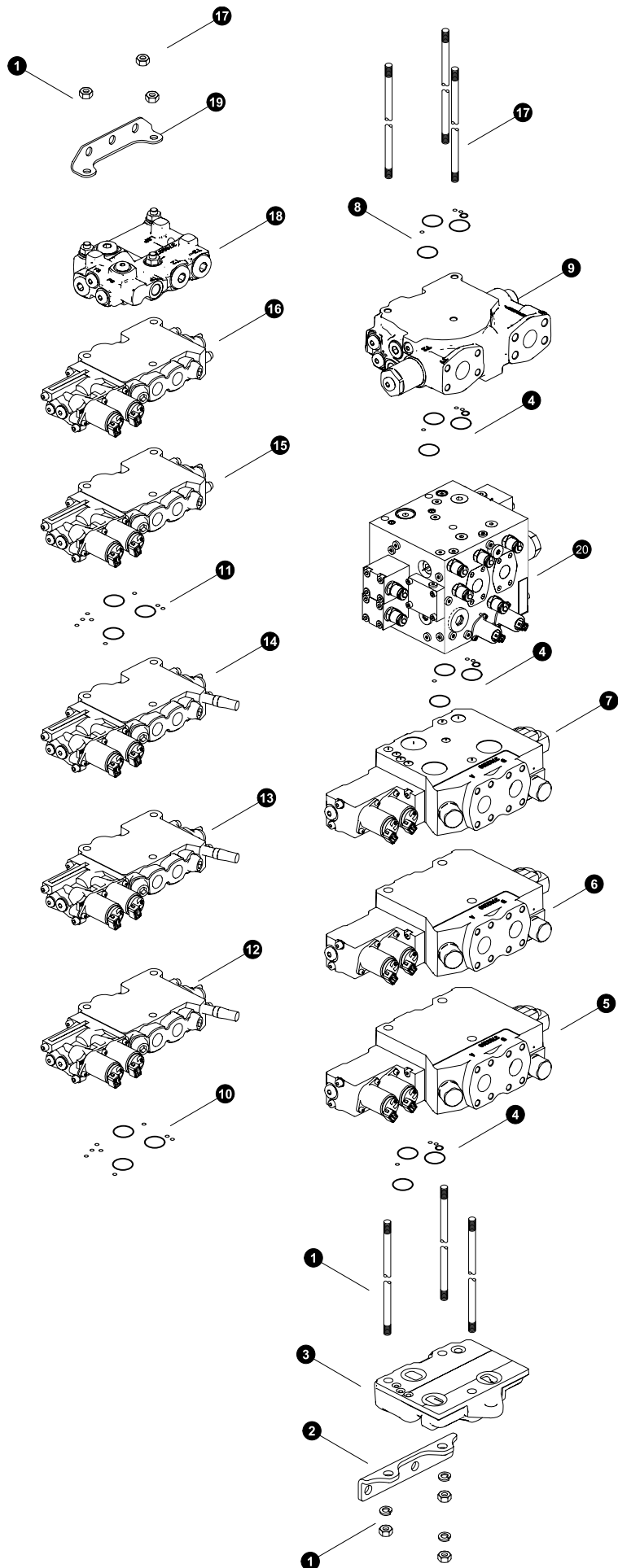
ELECTRIC COMPENSATOR CONTROL

(Used With Disc Saw or Brush Pump)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	19240-HH	1	☐	CONTROL, electric compensator	
1	22595-HH	1		BLOCK	
2	22596-HH	1		PLATE, block	
3	21604-HH	6		O-RING	
4	22597-HH	1	☐	CARTRIDGE, solenoid <i>(Includes nut)</i>	
5	NSS	1	⌘	O-RING, body	
6	NSS	2	⌘	RING, back-up - chamber	
7	NSS	1	⌘	O-RING, chamber	
8	22445-HH	1		COIL, solenoid - 24V	
9	17145-HH	1		CONNECTOR, electrical - Hirschmann <i>(Includes hardware)</i>	
10	22599-HH	1		CONNECTOR, tube	
11	22600-HH	2		FERRULE	
12	22601-HH	2		NUT, tube	
13	22602-HH	1		TUBE, hydraulic	
14	22604-HH	1		ELBOW, 90° tube	
15	22603-HH	4		BOLT, allen head	
-	22598-HH	1		KIT, seal repair - solenoid cartridge	

☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit Part # 22598-HH.



Parts T4247 11/2017
25.00

MAIN CONTROL VALVE

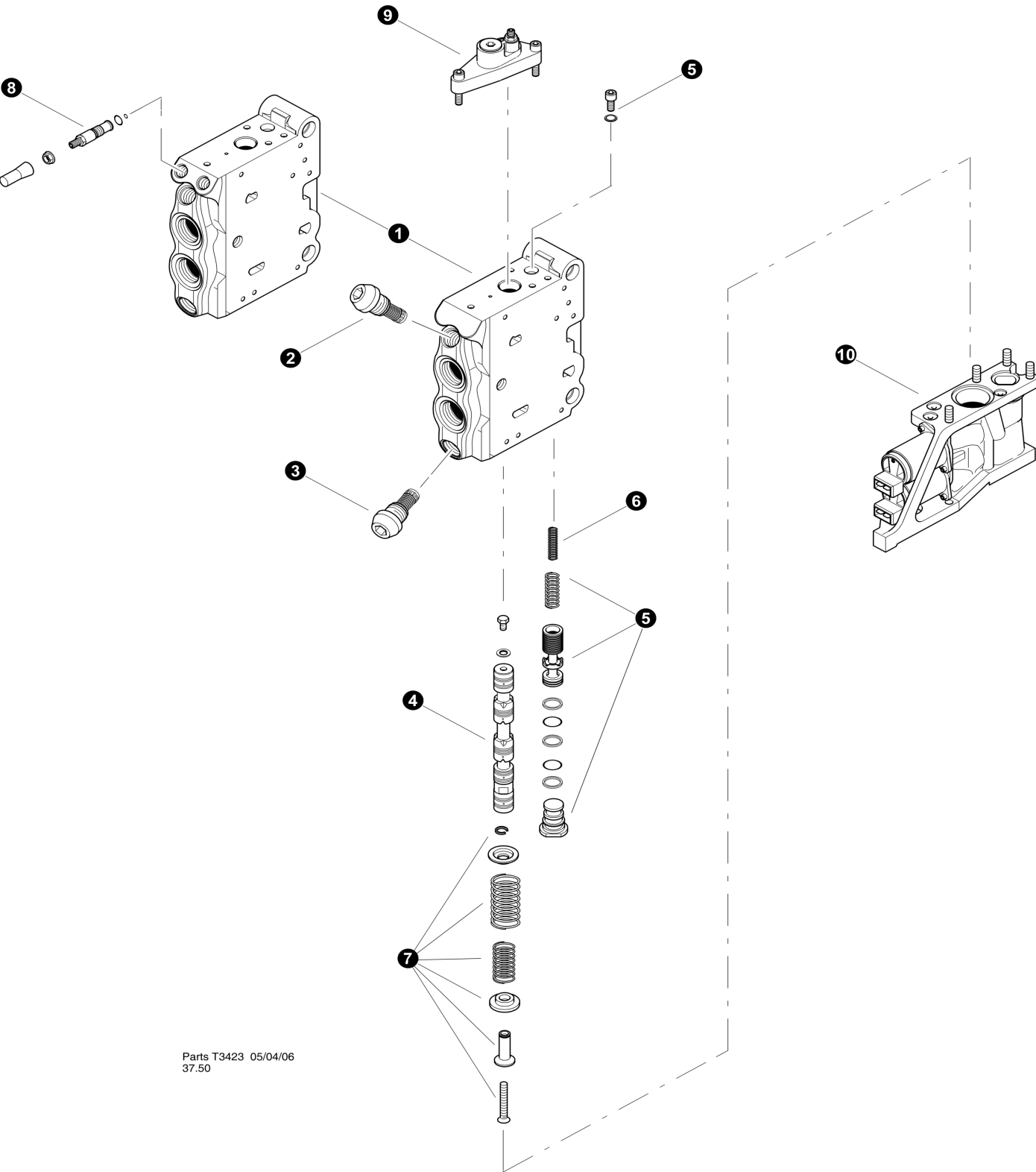
(Disc Saw / Bar Saw)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	47378-HH	1		MAIN, VALVE - IMP (DISC SAW) SMART VALVE	
1	---	1		ROD, tie - K220 (3-Section span with LOKOMEK)	
2	---	1		KIT, Bracket - K220 (9120092365)	
3	---	1		COVER, K220 Valve	
4	24649-HH	1		KIT, Seals - Voac Intersection (9120092315)	
5	REF.	1		VALVE SECTION - Tool Tilt CYL function	HH-1
6	REF.	1		VALVE SECTION - Stick Boom function	HH-1
7	REF.	1		VALVE SECTION - Main Boom function	HH-1
8	24649-HH	1		KIT, Seals - Voac Parting "K" (9120092315)	
9	REF.	1		MID INLET / OUTLET	HH-1
10	23404-HH	1		KIT, Seals - Voac Parting "L" (393000K820)	
11	23404-HH	1		KIT, Seals - Voac Parting "L" (393000K820)	
12	REF	1		VALVE SECTION - Cab Level	HH-1
13	REF	1		VALVE SECTION - Cab Level	HH-1
14	REF.	1		VALVE SECTION - Accumulator	HH-1
15	REF.	1		VALVE SECTION - Clamp Arms	HH-1
16	REF.	1		VALVE SECTION - Head Lateral Tilt	HH-1
17	---	1		KIT, Tie Rods and Nuts - L90 (5-Section span) (393000K004)	
18	REF	1		COVER, L90 valve outlet.	HH-1
19	---	1		KIT, Bracket - L90 (393000K824)	
20	---	1		LOKOMEK VALVE (Call TimberPro for more info)	

 Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.

Shown are standard valve configurations, some machines have custom built valves, contact the factory for more informatoin if your valve doesn't match what is shown.



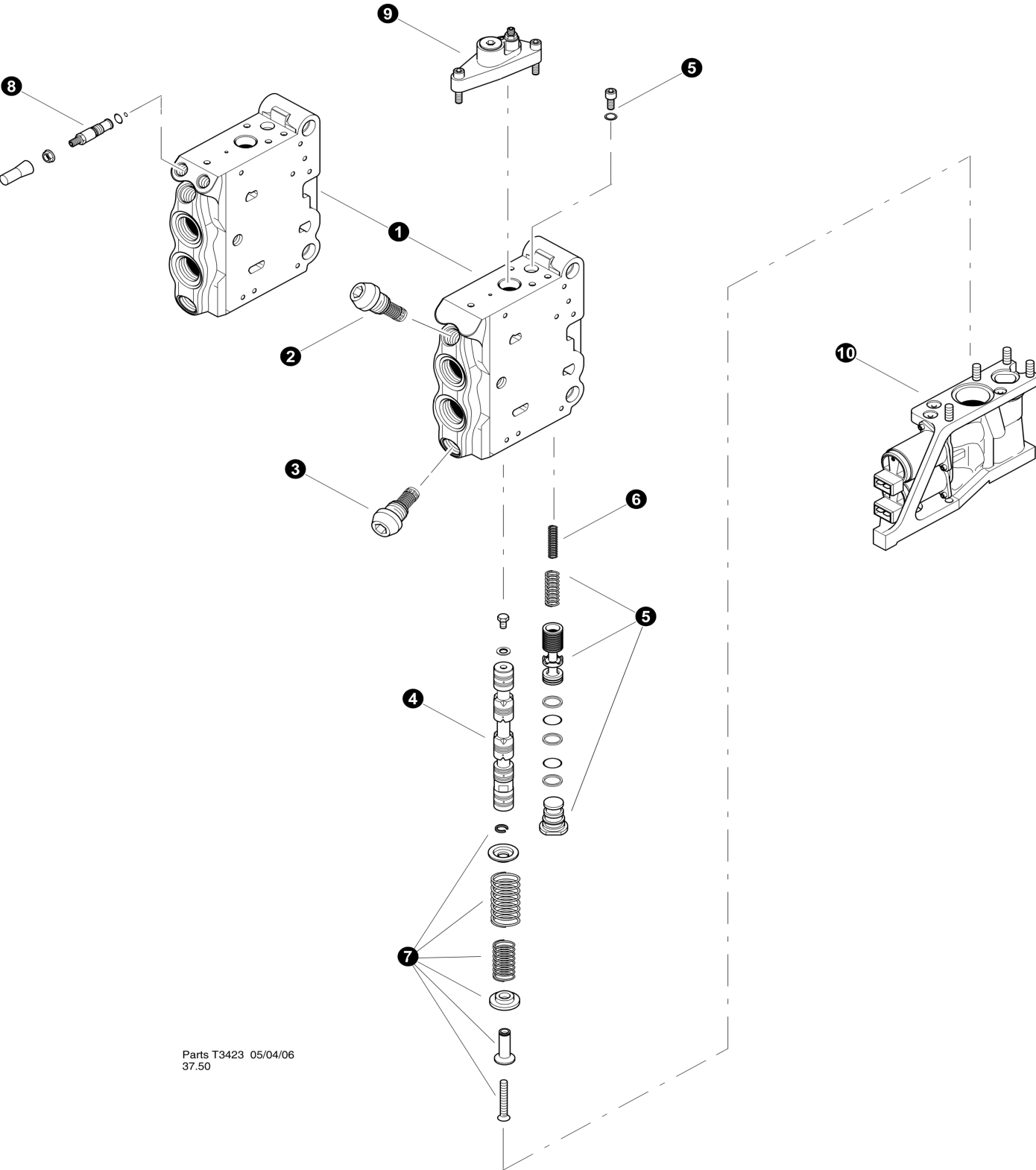
Parts T3423 05/04/06
37.50

L90LS VALVE SECTION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	-HH	1	☐	VALVE SECTION - Accumulator Arms (L90LS-MS-US60-282A V)	
1	NSS	1		BODY	
2	---	1		CARTRIDGE, "A" port relief (300 Bar) (393000K572)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (393000K572)	
4	---	1		SPOOL, UUX (393000S869)	
5	---	1	☐	KIT, "KX" COMPENSATOR, BLUE (393000K616)	
5	---	1	☐	KIT, "KX" COMPENSATOR, GREEN (393000K617)	
-	---	1		KIT, compensator seals (393000K811)	
6	---	1		SPRING, (only used with KX compensator kit)	
7	23423-HH	1	☐	KIT, spool centering spring (393000K343)	
8	---	2	☐	KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
9	REF	1		END CAP ASSEMBLY - "A" port	HH-1
10	REF	1		END CAP ASSEMBLY - "B" port	HH-1
-	-HH	1	☐	VALVE SECTION - Head Rotate / Lateral Tilt (L90LS-MS-US60-281 Q)	
1	NSS	1		BODY	
2	---	1		CARTRIDGE, "A" port relief (300 Bar) (393000K572)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (393000K572)	
4	---	1		SPOOL, RKX (393000S490)	
5	---	1	☐	KIT, "KX" COMPENSATOR, BLUE (393000K616)	
5	---	1	☐	KIT, "KX" COMPENSATOR, GREEN (393000K617)	
-	---	1		KIT, compensator seals (393000K811)	
6	---	1		SPRING, (only used with KX compensator kit)	
7	23423-HH	1	☐	KIT, spool centering spring (393000K343)	
8	---	2	☐	KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
9	REF	1		END CAP ASSEMBLY - "A" port	HH-1
10	REF	1		END CAP ASSEMBLY - "B" port	HH-1
-	-HH	1	☐	VALVE SECTION - Clamp Arms (L90LS-MS-US60-282A V)	
1	NSS	1		BODY	
2	---	1		CARTRIDGE, "A" port relief (300 Bar) (393000K572)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (393000K572)	
4	---	1		SPOOL, UUX (393000S869)	
5	---	1	☐	KIT, "KX" COMPENSATOR, BLUE (393000K616)	
5	---	1	☐	KIT, "KX" COMPENSATOR, GREEN (393000K617)	
-	---	1		KIT, compensator seals (393000K811)	
6	---	1		SPRING, (only used with KX compensator kit)	
7	23423-HH	1	☐	KIT, spool centering spring (393000K343)	
8	---	2	☐	KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
9	REF	1		END CAP ASSEMBLY - "A" port	HH-1
10	REF	1		END CAP ASSEMBLY - "B" port	HH-1

Kit or Assembly - includes all items indented underneath.

See referenced page for component or assembly breakdown.



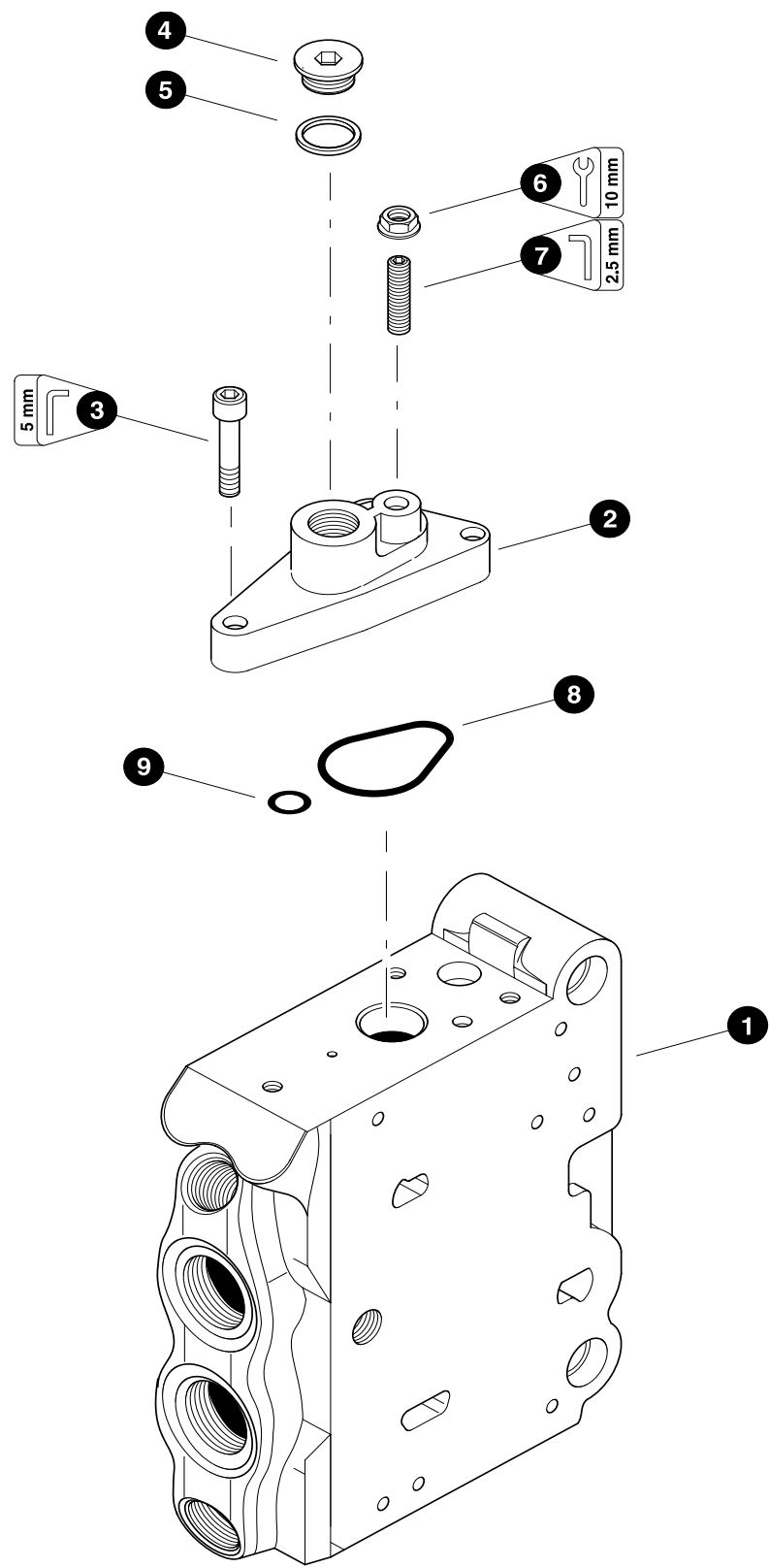
Parts T3423 05/04/06
37.50

L90LS VALVE SECTION continued.....

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	-HH	1	☐	VALVE SECTION - Cab Level (L90LS-04-033325-02)	
1	NSS	1		BODY	
2	---	1		CARTRIDGE, "A" port relief (300 Bar) (393000K572)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (393000K572)	
4	---	1		SPOOL, MUX (393000S594)	
5	---	1	☐	KIT, "KX" COMPENSATOR, BLUE (393000K616)	
5	---	1	☐	KIT, "KX" COMPENSATOR, GREEN (393000K617)	
-	---	1		KIT, compensator seals (393000K811)	
6	---	1		SPRING, (only used with KX compensator kit)	
7	23423-HH	1	☐	KIT, spool centering spring (393000K343)	
8	---	2	☐	KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
9	REF	1	📖	END CAP ASSEMBLY - "A" port	HH-1
10	REF	1	📖	END CAP ASSEMBLY - "B" port	HH-1

☐ Kit or Assembly - includes all items indented underneath.

📖 See referenced page for component or assembly breakdown.



L90LS VALVE END CAP

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	NSS	1		VALVE SECTION BODY	
-	23414-HH	1	☐	KIT, end cap - "A" port side	
2	NSS	1		CAP, end	
3	-----	3		BOLT, allen head - 6mm-1.0P x 20mm (0211124703)	
4	15412-HH	1		PLUG - 6408-HHP-6	
5	-----	1	⌘	RING, seal (3-906)	
6	-----	1	⌘	NUT, seal - 6mm (3763131)	
7	-----	1		SCREW, adjustment (3764640)	
-	23415-HH	1	☐	KIT, seal repair - "A" port side end cap	
8	-----	1	⌘	O-RING (Large) (0663210509)	
9	-----	1	⌘	O-RING (Small) (06632114)	



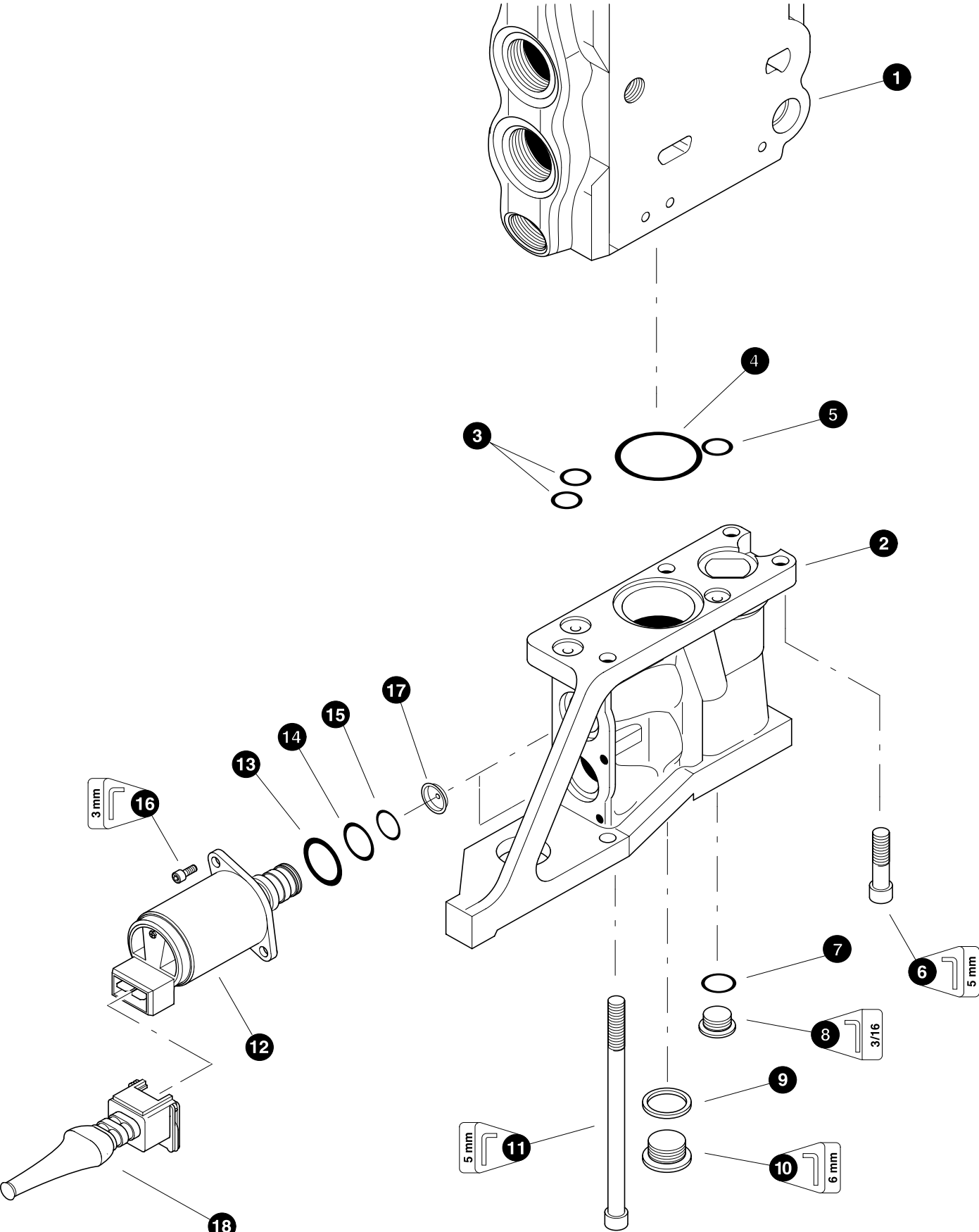
See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Included in seal repair kit PN# 23415-HH.



L90LS VALVE CONTROL CAP

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	NSS	1		VALVE SECTION BODY	
-	23416-HH	1	□	KIT, end cap - "B" port side	
2	-----	1		CAP, end	
3	-----	2	⌘	O-RING (Small)	
4	-----	1	⌘	O-RING (Large)	
5	-----	1	⌘	O-RING (Small)	
6	-----	2		BOLT, allen head - 6mm-1.0P x 20mm (0211124703)	
7	-----	1	⌘	O-RING	
8	11383-HH	1		PLUG - 6408-HHP-4	
9	-----	1	⌘	RING, seal	
10	-----	1		PLUG (0686644203)	
11	-----	2		SCREW, allen head - 6mm-1.0P x 100mm (0211126403)	
12	20976-HH	2		SOLENOID - 24V	
13	-----	2	◆	O-RING (Large)	
14	-----	2	◆	O-RING (Medium)	
15	-----	2	◆	O-RING (Small)	
16	-----	4		SCREW, allen head - 4mm-.75P x 12mm (0211117103)	
17	---	1		DAMPER, pilot restrictor orifice 0.6 mm (3762396) - 1 DOT	
17	---	1		DAMPER, pilot restrictor orifice 0.8 mm (3762397) - 2 DOT	
17	---	1		DAMPER, pilot restrictor orifice 1 mm (3762398) - 3 DOT	
17	---	1		DAMPER, pilot restrictor orifice 1.1 mm (3762609) - 4 DOT	
17	---	1		DAMPER, pilot restrictor orifice 3 mm (3763308)	
18	19179-HH	2		CONNECTOR, (kit) voac controll valve	
-	23417-HH	1		KIT, seal repair - "B" port side end cap	
-	23418-HH	1		KIT, seal repair - solenoid	



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Included in seal repair kit PN# 23417-HH.



Included in seal repair kit PN# 23418-HH.

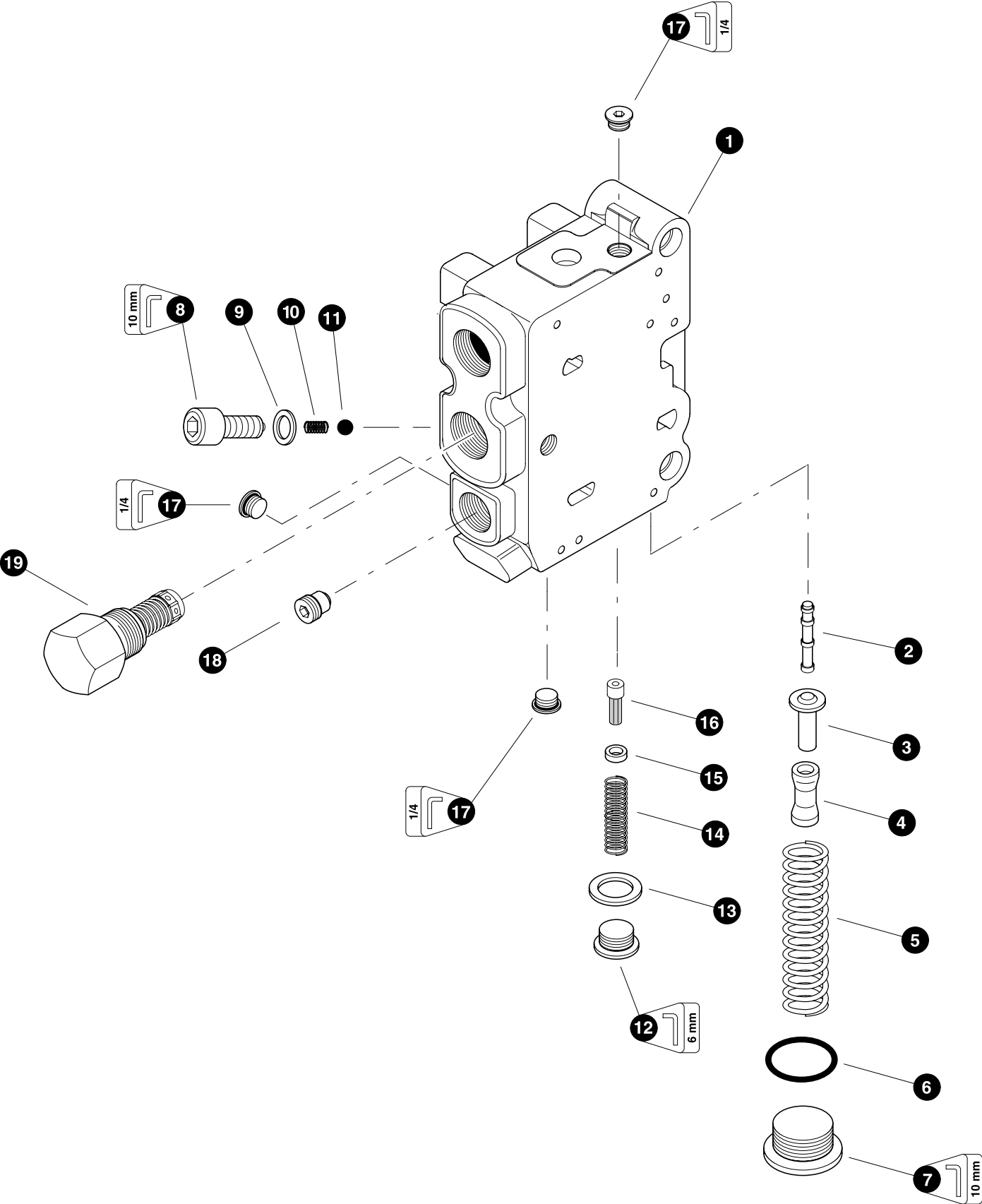
NOTE #1:

Orifice sizes vary depending upon function.

#3762396 0.6 mm

#3762397 0.8 mm

#3762398 1.0 mm



Parts 01319 09/16/99
62.00

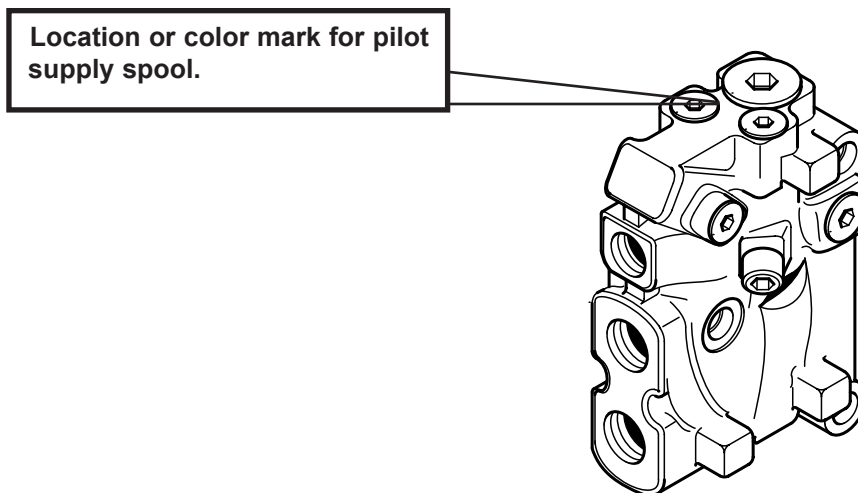
L90LS VALVE OUTLET

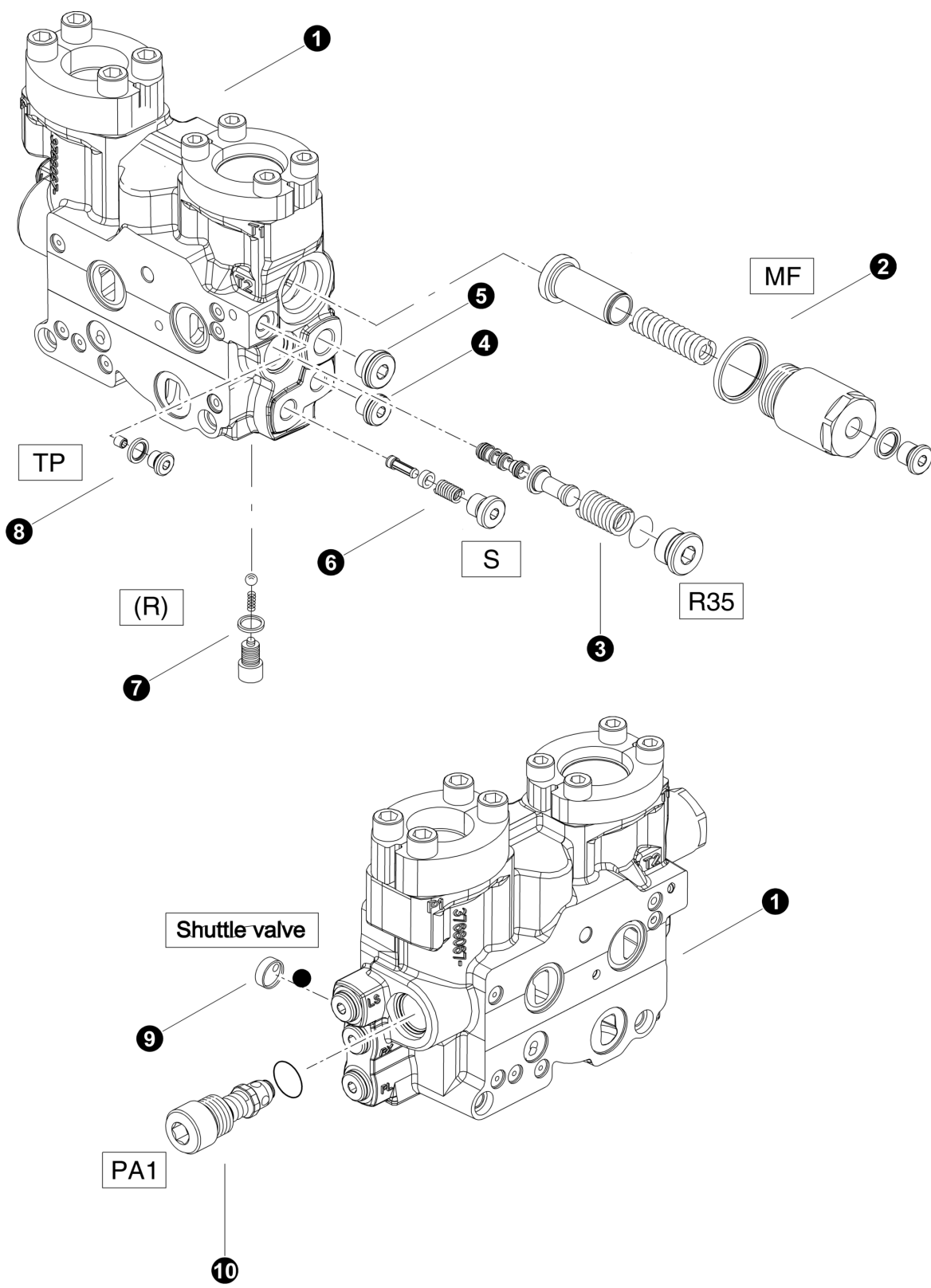
REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	23412-HH	1	☐	VALVE SECTION, outlet	
1	NSS	1		BODY, valve section	
-	23431-HH	1	☐	KIT, pilot supply reducer (Green)(35 bar)(see note #1)	
	23432-HH	1	☐	KIT, pilot supply reducer (Red)(35 bar)(see note #1)	
2	-----	1		SPOOL, pilot reducer	
3	-----	1		RETAINER, spring	
4	-----	1		SPACER, spring	
5	-----	1		SPRING	
6	-----	1		O-RING (0663909901)	
7	-----	1		PLUG (9126244413)	
8	-----	1		PLUG (9127320022)	
9	-----	1		RING, seal (06611005)	
10	-----	1		SPRING	
11	-----	1		BALL, check	
-	23433-HH	1	☐	KIT, pilot supply strainer	
12	-----	1		PLUG (9127320020)	
13	-----	1		RING, seal (06611020)	
14	-----	1		SPRING	
15	-----	1		SPACER	
16	-----	1		STRAINER (9126386076)	
17	15412-HH	3		PLUG - 6408-HHP-6	
18	-----	1		PLUG, pilot drain (393000K078)	
19	-----	1		Counter press. valve - 130 PSI (393000K068)	

☐ Kit or Assembly - includes all items indented underneath.

NOTE #1

Each section is color coded to insure proper fit, please check color mark before ordering.





Parts T3422 05/02/2006
50.00

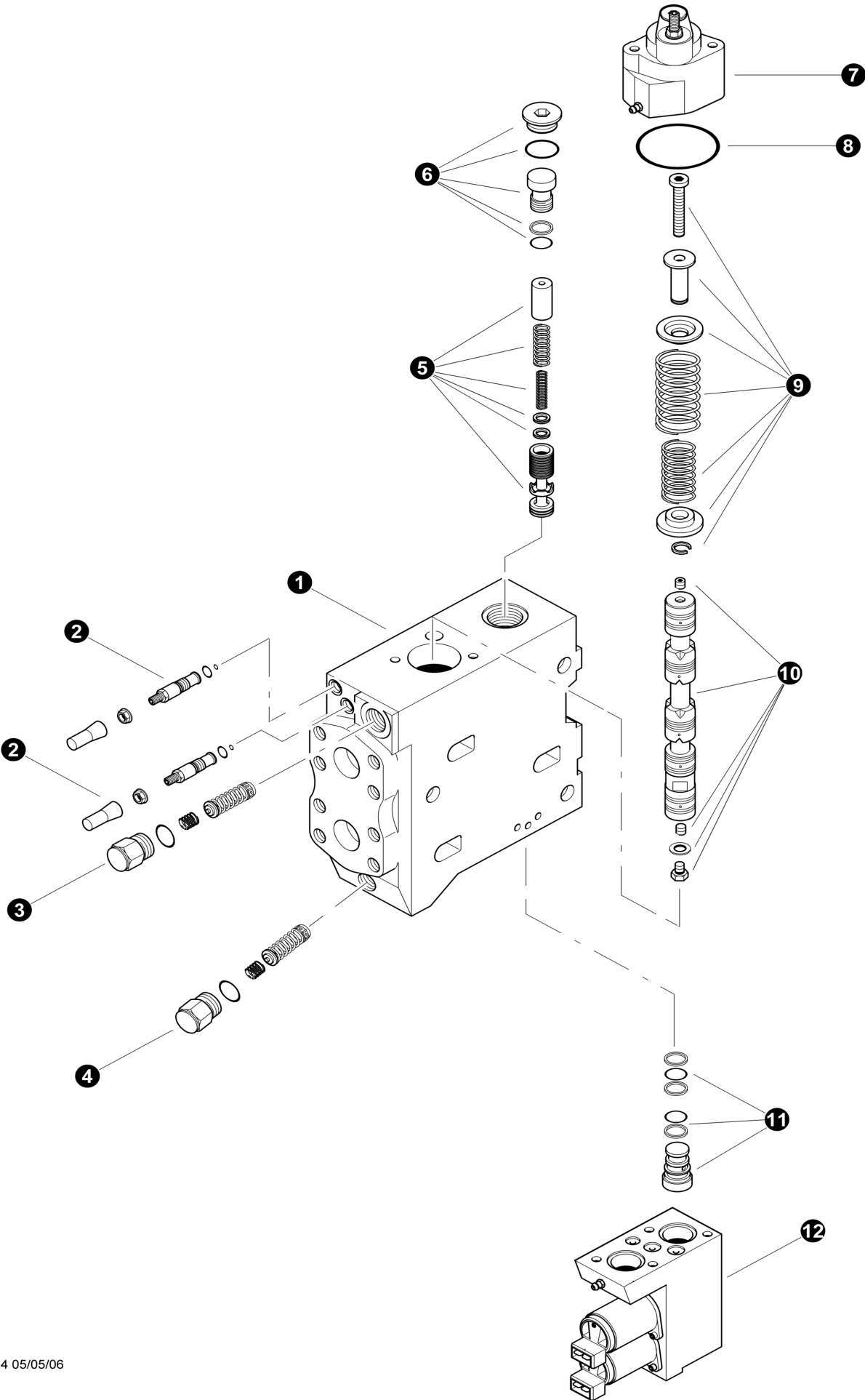
MID INLET SECTION K220 to L90

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	-HH	1	☐	MID INLET SECTION -	
2	---	1		VALVE, Counter Pressure (9120092550)	
3	---	1		VALVE, Pilot Reducer 35 bar (9120092553)	
4	---	1		PLUG	
5	---	1		PLUG	
6	---	1		FILTER, Internal Pilot (9120092004)	
7	---	1		VALVE, Check (9120092554)	
8	---	1		PLUG, pilot tank conection (9120092555)	
9	---	1		SHUTTLE, Load Sence (9120092050)	
10	---	1		VALVE, main relief 300 bar (9120029264)	

☐ Kit or Assembly - includes all items indented underneath.

NOTE #1

Each section is color coded to insure proper fit, please check color mark before ordering.



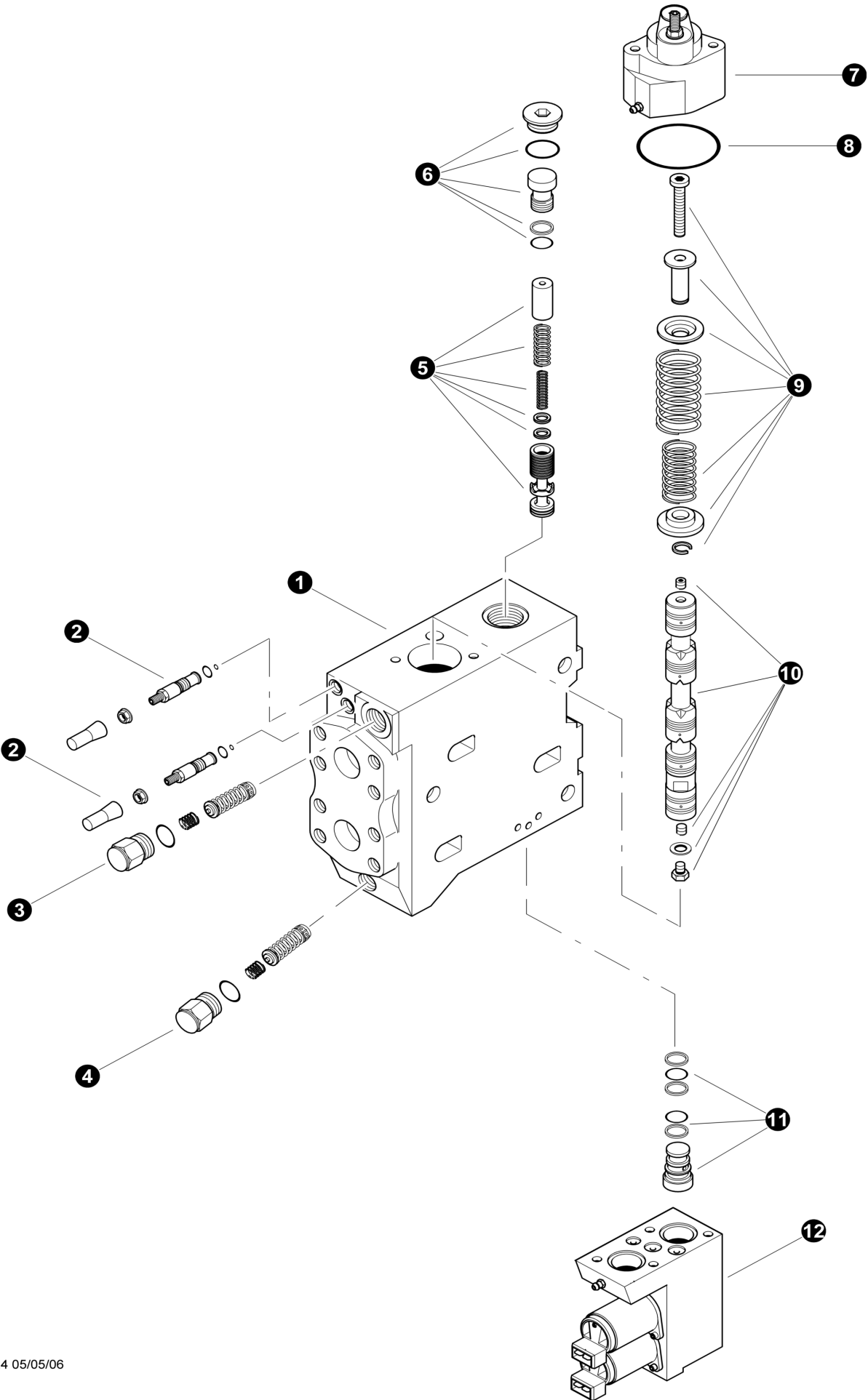
Parts T3424 05/05/06
37.5

VOAC K220 VALVE SECTION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	-HH	1	☐	VALVE SECTION - Main Boom function (K220LS-04-033324-03)	
1	NSS	1		BODY	
2	---	2	☐	KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (9120029967)	
4	---	1		CARTRIDGE, "A" port relief (300 Bar) (9120029967)	
5	---	1		KIT, "K3" COMPENSATOR, BLUE (9120092056)	
5	---	1		KIT, "K3" COMPENSATOR, GREEN (9120092060)	
5	---	1		KIT, "K3" COMPENSATOR, RED (9120092064)	
6	---	1	☐	PLUG 8, Compensator (9120092480)	
-	---	1		KIT, Plug 8 seals (9120092482)	
7	REF.	1	📖	CAP, "B" port	HH-1
8	---	1		KIT, seals (9120092284)	
9	23423-HH	1		KIT, spool centering spring (393000K343)	
10	---	1		SPOOL, CFA (6763836)	
11	---	1	☐	PLUG 6, Compensator (3764731)	
-	---	1		KIT, Seal Plug 6 (9120092355)	
12	REF	1	📖	END CAP ASSEMBLY - "A" port	HH-1
-	-HH	1	☐	VALVE SECTION - Stick Boom function (K220LS-04-033324-03)	
1	NSS	1		BODY	
2	---	2	☐	KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (9120029960)	
4	---	1		CARTRIDGE, "A" port relief (300 Bar) (9120029967)	
5	---	1		KIT, "K2" COMPENSATOR, BLUE (9120092063)	
5	---	1		KIT, "K2" COMPENSATOR, GREEN (9120092059)	
5	---	1		KIT, "K2" COMPENSATOR, RED (9120092055)	
6	---	1	☐	PLUG 8, Compensator (9120092480)	
-	---	1		KIT, Plug 8 seals (9120092482)	
7	REF.	1	📖	CAP, "B" port	HH-1
8	---	1		KIT, seals (9120092284)	
9	23423-HH	1		KIT, spool centering spring (393000K343)	
10	---	1		SPOOL, CFX (6763835)	
11	---	1	☐	PLUG 6, Compensator (3764731)	
-	---	1		KIT, Seal Plug 6 (9120092355)	
12	REF	1	📖	END CAP ASSEMBLY - "A" port	HH-1

☐ Kit or Assembly - includes all items indented underneath.

📖 See referenced page for component or assembly breakdown.



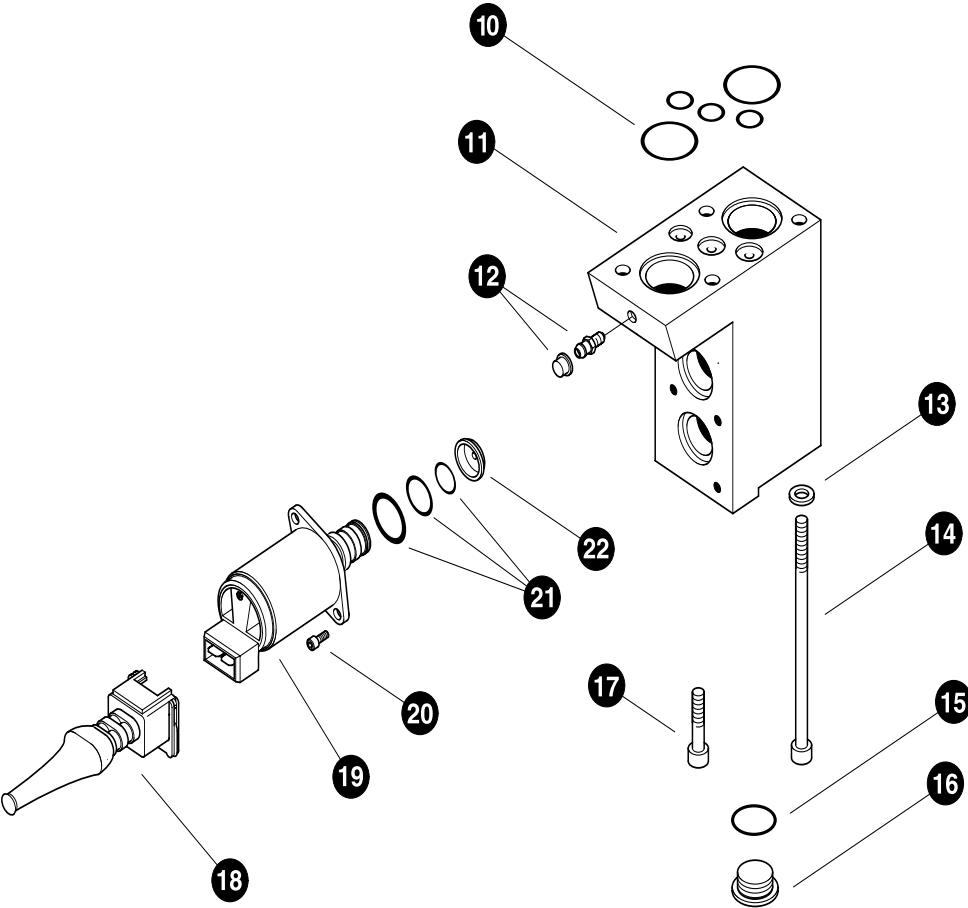
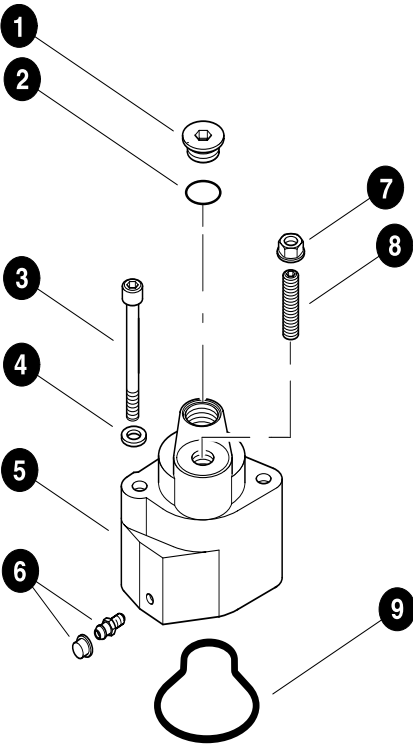
Parts T3424 05/05/06
37.5

VOAC K220 VALVE SECTION continued.....

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	-HH	1	☐	VALVE SECTION - Tool Cylinder function ((K220LS-MS-US60-236 F)	
1	NSS	1		BODY	
2	---	2	☐	KIT, FEED REDUCER (393000K817)	
-	---	2		KIT, feed reducer seals (393000K852)	
3	---	1		CARTRIDGE, "B" port relief (300 Bar) (9120029967)	
4	---	1		CARTRIDGE, "A" port relief (300 Bar) (9120029967)	
5	---	1		KIT, "K2" COMPENSATOR, BLUE (9120092063)	
5	---	1		KIT, "K2" COMPENSATOR, GREEN (9120092059)	
5	---	1		KIT, "K2" COMPENSATOR, RED (9120092055)	
6	---	1	☐	PLUG 8, Compensator (9120092480)	
-	---	1		KIT, Plug 8 seals (9120092482)	
7	REF.	1	📖	CAP, "B"port.	HH-1
8	---	1		KIT, seals (9120092284)	
9	23423-HH	1		KIT, spool centering spring (393000K343)	
10	---	1		SPOOL, YRX	
11	---	1	☐	PLUG 6, Compensator (3764731)	
-	---	1		KIT, Seal Plug 6 (9120092355)	
12	REF	1	📖	END CAP ASSEMBLY - "A" port	HH-1

☐ Kit or Assembly - includes all items indented underneath.

📖 See referenced page for component or assembly breakdown.



Parts T2762 07/15/03
50.00

VOAC K220 VALVE END CAPS

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	51264-HH	1	☐	CUP, PILOT - K220 W / FLOW LIMIT	
1	---	1		PLUG	
2	---	1	⌘	O-RING	
3	---	2		BOLT, M6 X 35mm (3764640)	
4	---	2		WASHER, M6	
5	---	1		CAP	
6	---	1		BLEEDER	
7	---	1	⌘	NUT, seal M6 (91267109)	
8	---	1		SCREW	
9	26418-HH	1	⌘	KIT, cup seals - includes orings, seal nut and bleeder (9120092284)	
-	---	1	☐	KIT, CONTROL "A port side" K220	
10	26417-HH	1	◆	KIT, O-RING	
11	---	1		CAP	
12	---	1		BLEEDER	
13	---	4		WASHER, M6	
14	---	2		BOLT, M6 X 110mm (0211126603)	
15	---	1	◆	O-RING	
16	---	1		PLUG	
17	---	2		BOLT, M6 X 22mm (0211124803)	
18	19179-HH	2		KIT, CONNECTOR -VOAC solenoid	
-	20976-HH	2		KIT, SOLENOID VALVE 24V	
19	---	1		SOLENOID VALVE 24V	
20	---	2		SCREW, 4mm x 12mm (0211117103)	
21	---	1		KIT, SEAL -SOLENOID VALVE (393000K813)	
22	---	1		DAMPER, pilot restrictor orifice 0.6 mm (3762396) - 1 DOT	
22	---	1		DAMPER, pilot restrictor orifice 0.8 mm (3762397) - 2 DOT	
22	---	1		DAMPER, pilot restrictor orifice 1 mm (3762398) - 3 DOT	
22	---	1		DAMPER, pilot restrictor orifice 1.1 mm (3762609) - 4 DOT	
22	---	1		DAMPER, pilot restrictor orifice 3 mm (3763308)	

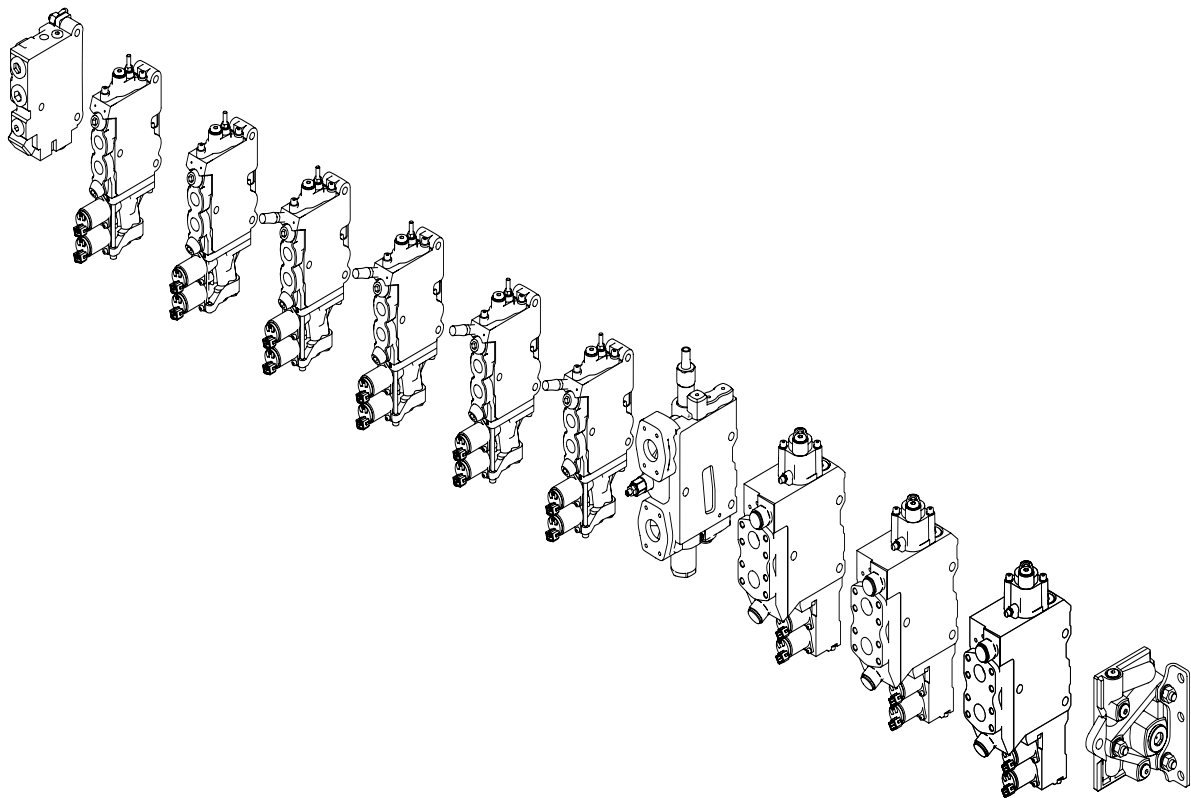
☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit PN# - 26418-HH

◆ Included in seal repair kit PN# - 26417-HH

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VOAC K220 VALVE END CAPS

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	51264-HH	1	☐	CUP, PILOT - K220 W / FLOW LIMIT	
1	---	1		PLUG	
2	---	1	⌘	O-RING	
3	---	2		BOLT, M6 X 35mm (3764640)	
4	---	2		WASHER, M6	
5	---	1		CAP	
6	---	1		BLEEDER	
7	---	1	⌘	NUT, seal M6 (91267109)	
8	---	1		SCREW	
9	26418-HH	1	⌘	KIT, cup seals - includes orings, seal nut and bleeder (9120092284)	
-	---	1	☐	KIT, CONTROL "A port side" K220	
10	26417-HH	1	◆	KIT, O-RING	
11	---	1		CAP	
12	---	1		BLEEDER	
13	---	4		WASHER, M6	
14	---	2		BOLT, M6 X 110mm (0211126603)	
15	---	1	◆	O-RING	
16	---	1		PLUG	
17	---	2		BOLT, M6 X 22mm (0211124803)	
18	19179-HH	2		KIT, CONNECTOR -VOAC solenoid	
-	20976-HH	2		KIT, SOLENOID VALVE 24V	
19	---	1		SOLENOID VALVE 24V	
20	---	2		SCREW, 4mm x 12mm (0211117103)	
21	---	1		KIT, SEAL -SOLENOID VALVE (393000K813)	
22	---	1		DAMPER, pilot restrictor orifice 0.6 mm (3762396) - 1 DOT	
22	---	1		DAMPER, pilot restrictor orifice 0.8 mm (3762397) - 2 DOT	
22	---	1		DAMPER, pilot restrictor orifice 1 mm (3762398) - 3 DOT	
22	---	1		DAMPER, pilot restrictor orifice 1.1 mm (3762609) - 4 DOT	
22	---	1		DAMPER, pilot restrictor orifice 3 mm (3763308)	

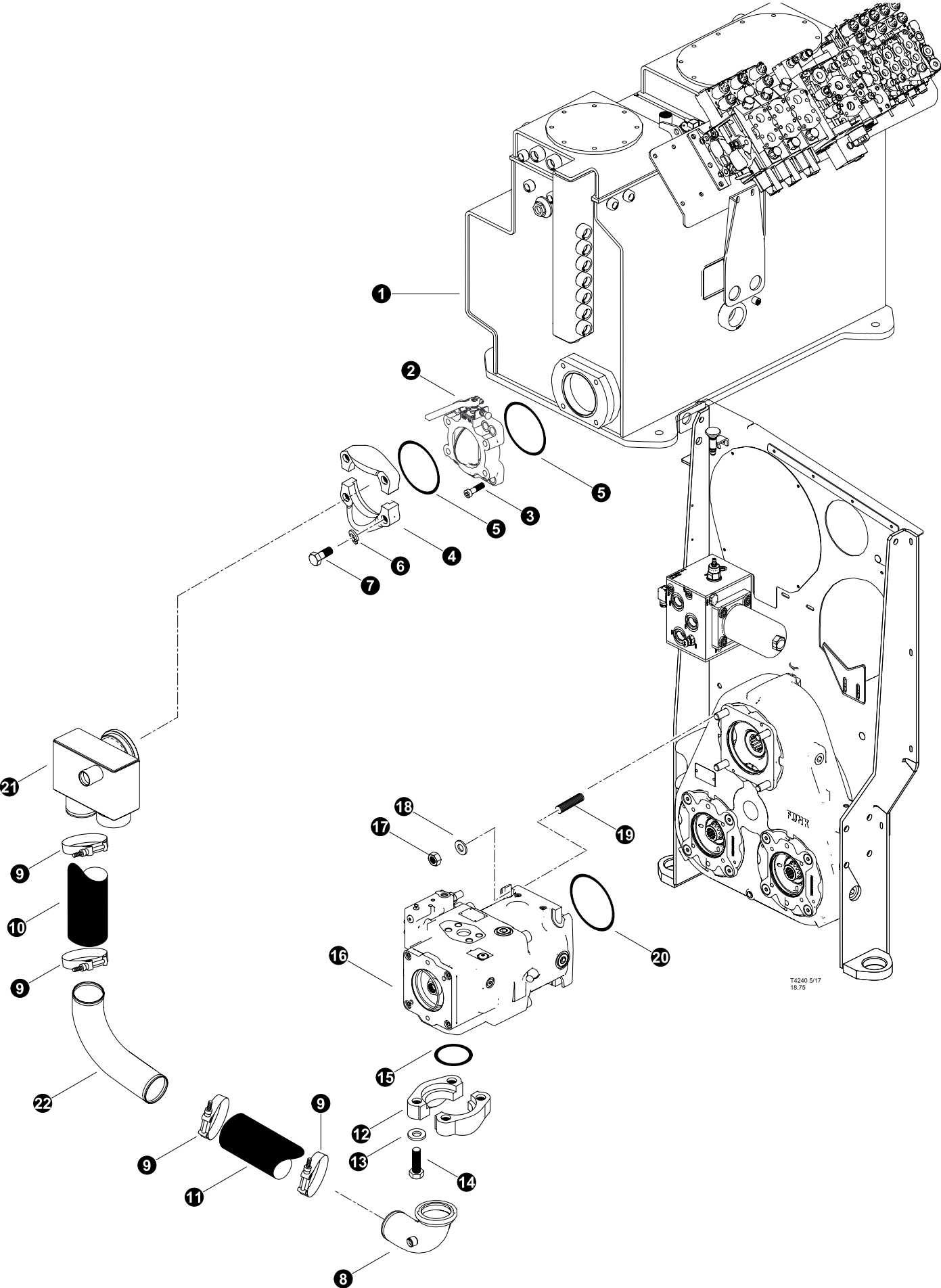
☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit PN# - 26418-HH

◆ Included in seal repair kit PN# - 26417-HH

Section HH-2

Harvester Hydraulics - Supply, Tank, Load sense, and Drain Circuits



IMPLEMENT PUMP INSTALLATION REXROTH 145cc AA11VLO PUMP

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		HYDRAULIC TANK ASSEMBLY	UP-2
2	54786-HH	1		VALVE, SHUT OFF - BUTTERFLY (4")	
3	23095-HH	4		BOLT, ALLEN HEAD - .625" x 2"	
4	51625-HH	1		KIT, FLANGE - SUCTION TUBE (4")	
5		1		O-RING - SUCTION TUBE (4")	
6	10721-HH	4		WASHER, LOCK - .625"	
7	-HH	4		M16X2.0X50MM (83514A)	
8	57262-HH	1		TUBE, SUCTION - IMP PUMP / C SERIES	
-	55615-HH	1		FITTING, ADAPTOR - BLEED - SUCTION TUBE	
9	15613-FF	2		CLAMP, STRAP BAND - 3.5"	
10	-HH	1		HOSE ASSEMBLY - 2005 48-0-0	
11	-HH	1		HOSE ASSEMBLY - 2021 48-0-0	
12	22639-HH	1		KIT, split flange - 3" (Code 61)	
13	15562	4		BOLT - 5/8" x 2"	
14	10721-HH	4		WASHER, LOCK - .625"	
15	18695-HH	1		O-RING - 3" SF	
16	REF	1		IMPLEMENT PUMP.	HH-1
17	10776-HH	4		NUT, hex - 3/4"	
18	15550-HH	4		WASHER, SAE flat - 3/4	
19	40281351-FF	4		STUD, "D" Mount	
20	15442-2-HH	1		O-RING, PUMP DRIVE PILOT	
21	46200-HH	1		WELDMENT, SUCTION TUBE, C-MODEL	
22	57261-HH	1		TUBE, SUCTION -TANK MANIFOLD TO IMP PUMP	



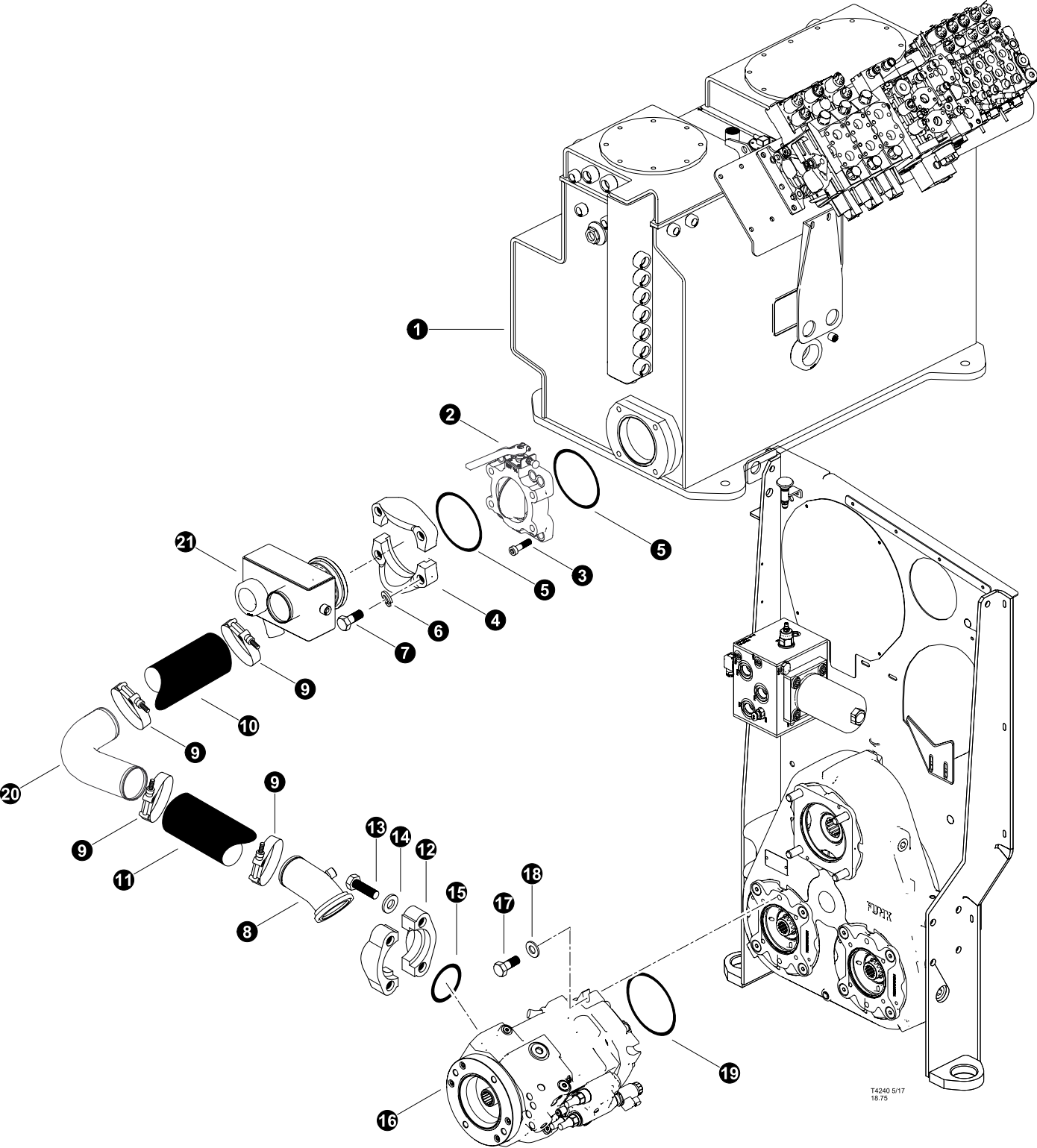
See referenced page for component or assembly breakdown.



Bulk material - order length required in feet or meters.



Kit or Assembly - includes all items indented underneath.



IMPLEMENT PUMP INSTALLATION LINDE PUMP

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		HYDRAULIC TANK ASSEMBLY	UP-2
2	54786-HH	1		VALVE, SHUT OFF - BUTTERFLY (4")	
3	23095-HH	4		BOLT, ALLEN HEAD - .625" x 2"	
4	51625-HH	1		KIT, FLANGE - SUCTION TUBE (4")	
5		1		O-RING - SUCTION TUBE (4")	
6	10721-HH	4		WASHER, LOCK - .625"	
7	-HH	4		M16X2.0X50MM (83514A)	
8	48759-HH	1		TUBE, SUCTION - LINDE	
-	55615-HH	1		FITTING, ADAPTOR - BLEED - SUCTION TUBE	
9	15613-FF	2		CLAMP, STRAP BAND - 3.5"	
10	-HH	1		HOSE ASSEMBLY - 2013 48-0-0	
11	-HH	1		HOSE ASSEMBLY - 2021 48-0-0	
12	15193-HH	1		KIT, split flange - 2.5" (Code 61)	
13	15562	4		BOLT - 5/8" x 2"	
14	10721-HH	4		WASHER, LOCK - .625"	
15	15390-HH	1		O-RING - 2.5" SF	
16	REF	1		IMPLEMENT PUMP.	HH-1
17	-HH	4		BOLT,	
18	15550-HH	4		WASHER, SAE flat - 3/4	
19	15442-2-HH	1		O-RING, PUMP DRIVE PILOT	
20	57261-HH	1		TUBE, SUCTION -TANK MANIFOLD TO IMP PUMP	
21	48757-HH	1		WELDMENT, SUCTION TUBE-LINDE	



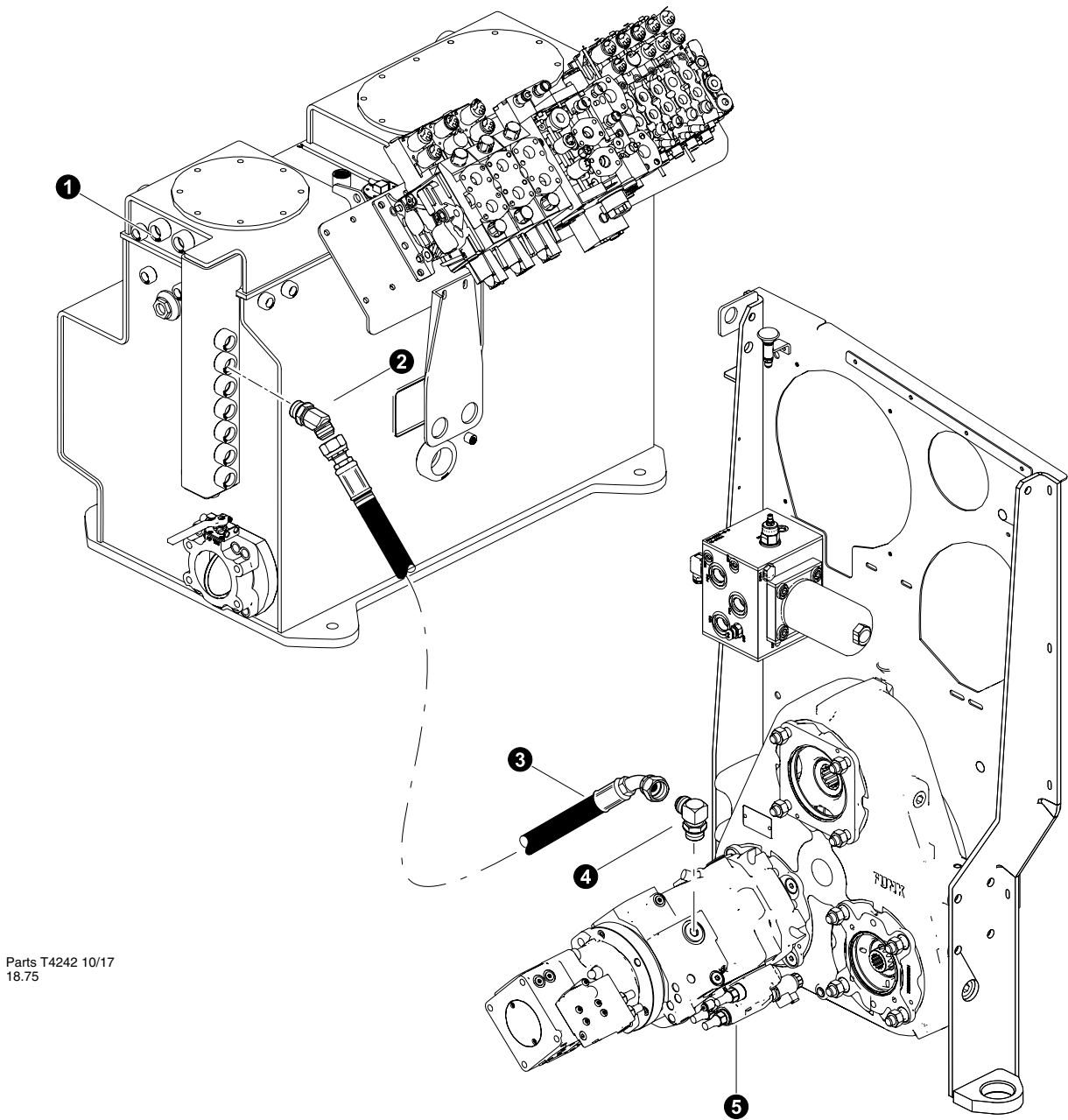
See referenced page for component or assembly breakdown.



Bulk material - order length required in feet or meters.



Kit or Assembly - includes all items indented underneath.



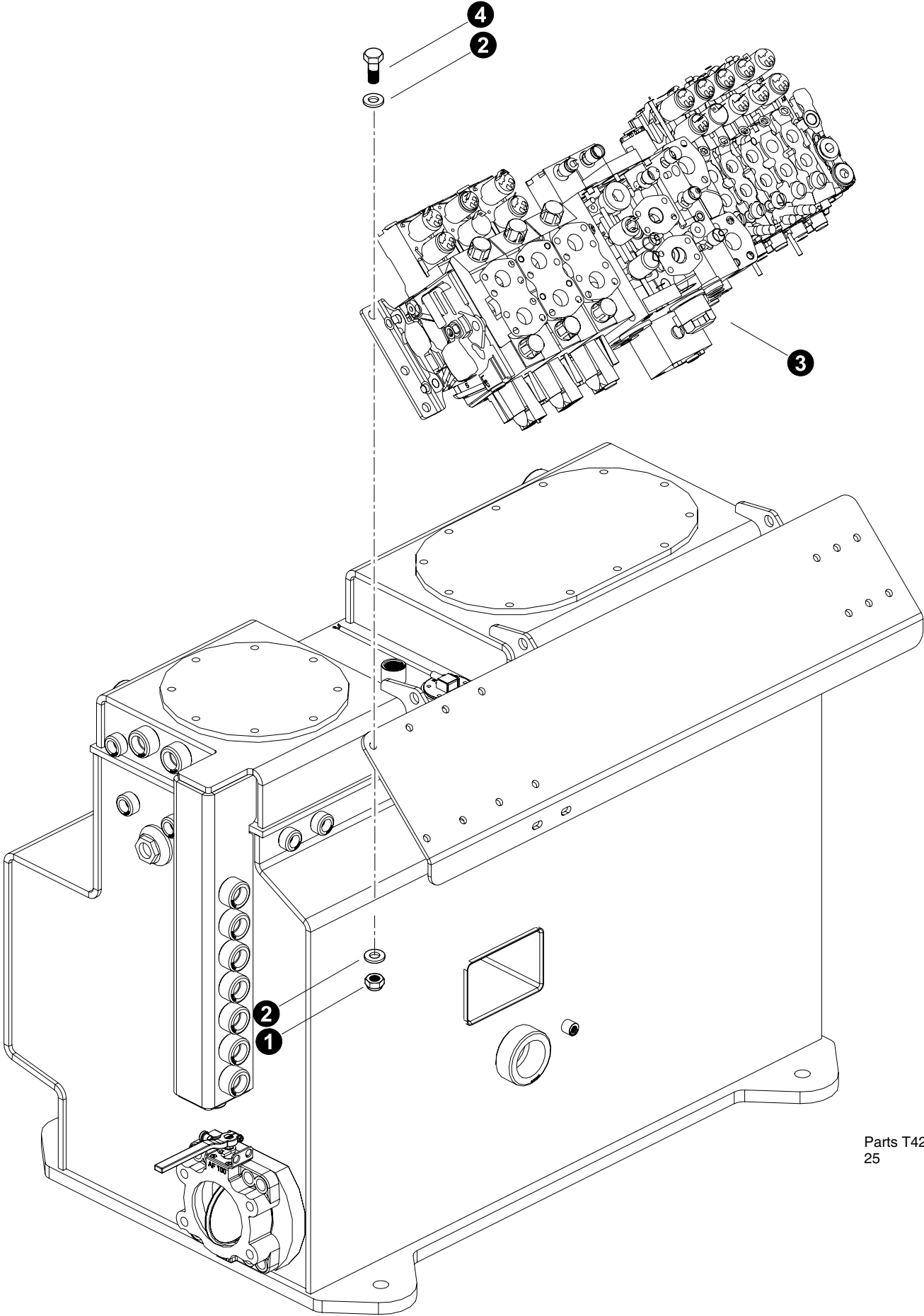
Parts T4242 10/17
18.75

IMPLEMENT PUMP CASE DRAIN LINE

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		HYDRAULIC TANK	UP-2
2	15474-HH	2		ELBOW, 45 - 6802-12	
3	-HH	1		HOSE ASSEMBLY - 2031-12-12JS-12J4 (<i>Implement pump case drain port to hydraulic tank</i>)	
4	11306-HH	1		CONNECTOR, ELBOW 90 - 12	
5	REF.	1		IMPLEMENT PUMP.	HH-1



See referenced page for component or assembly breakdown.



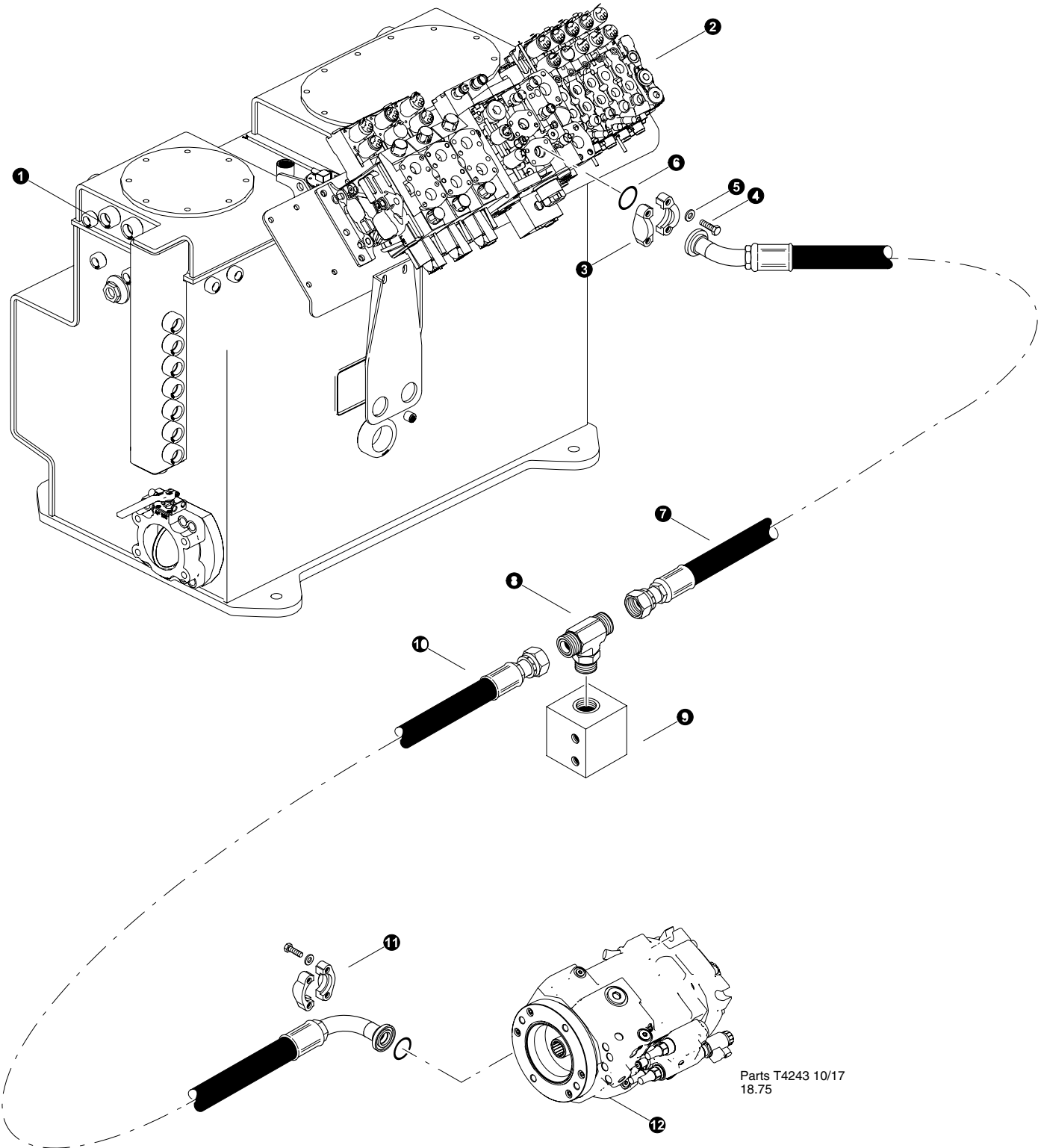
Parts T4239 05/17
25

MAIN CONTROL VALVE MOUNTING

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	10813-HH	4		NUT, lock 3/8"	
2	10802-HH	8		WASHER, FLAT - .375"	
3	REF	1		MAIN CONTROL VALVE	HH-1
4	15507-HH	4		BOLT, 3/8 X 1 1/4"	



See referenced page for component or assembly breakdown.



IMPLEMENT PUMP PRESSURE LINE TO MAIN CONTROL VALVE

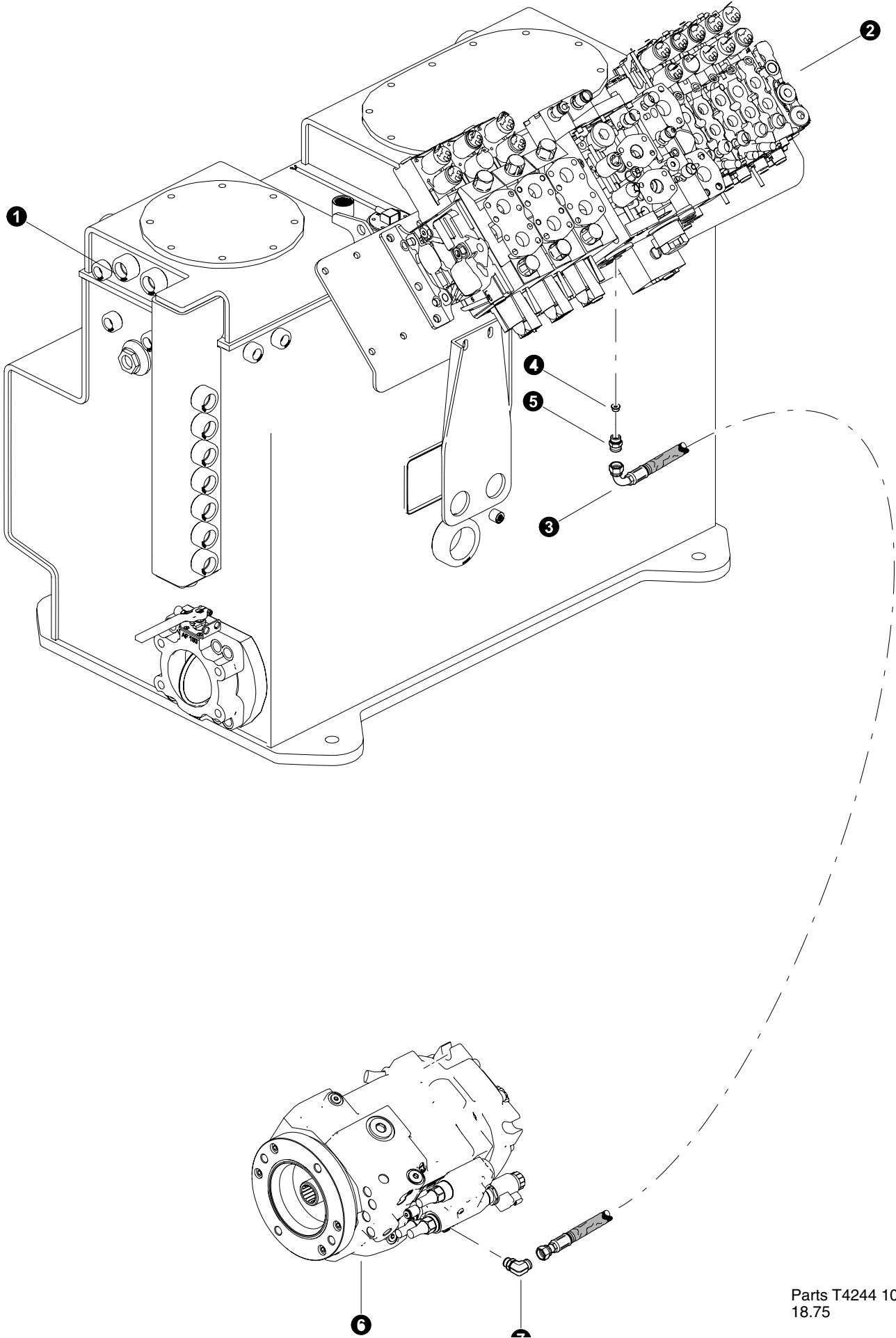
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		HYDRAULIC TANK	UP-2
2	REF	1		MAIN CONTROL VALVE	HH-1
3	15113-HH	1		KIT, SPLIT FLANGE - 1" (CODE 62)	
4	-HH	4		BOLT, ALLEN HEAD	
5	-HH	4		WASHER, lock	
6	15377-HH	1		O-RING - 1"	
7	-HH	1		HOSE ASSEMBLY - 5080CS-20-20OS-20OS 16PH4SW (<i>Pump Pressure Block to main control valve pressure inlet port "P1"</i>)	
8	51450-HH	1		TEE	
9	51450-HH	1		MANIFOLD, RETURN CHECK	
10	-HH	1		HOSE ASSEMBLY - 5060CS-16-16OS-16OS 16PH4SW (<i>Pump Pressure to block</i>)	
11	15114-HH	1		KIT, SPLIT FLANGE - 1.25" (CODE 62)	
-	15378-HH	1		O-RING - 1.25" SF (CODE 61/62)	
12	REF.	1		PUMP	HH-1



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



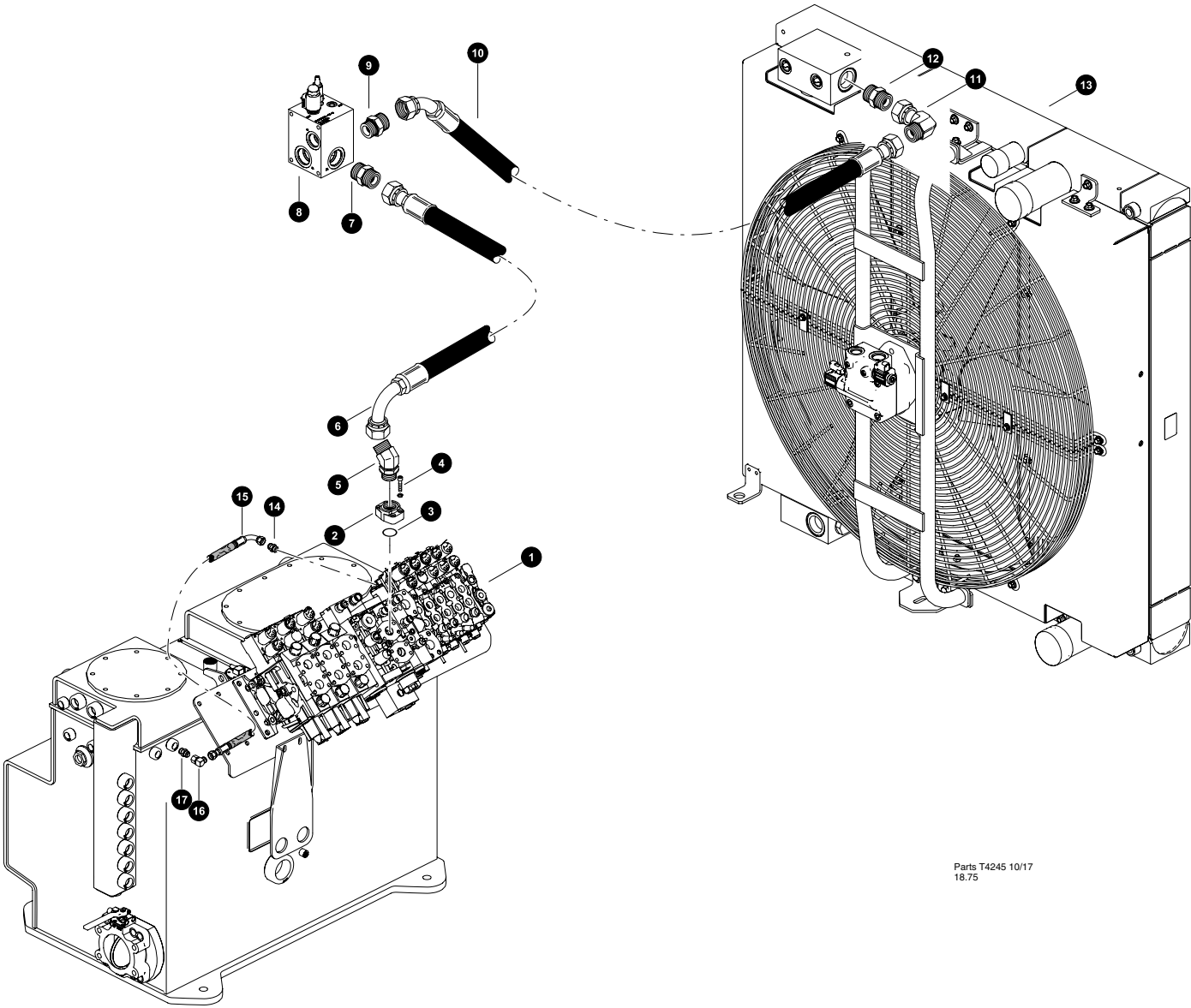
Parts T4244 10/17
18.75

MAIN CONTROL VALVE LOAD SENSE LINE

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		HYDRAULIC TANK	UP-2
2	REF.	1		MAIN CONTROL VALVE	HH-1
3	-HH	1		HOSE ASSEMBLY - 2104-06-060S-0609-W (<i>Control Valve load sense "PL" port to Implement Pump controller</i>)	
4	18503-HH	1		ORIFICE - .028"	
5	15488-HH	1		CONNECTOR, STR - 6400-6 (<i>Tapped for 0.028" orifice</i>)	
6	REF.	1		IMPLEMENT PUMP.	HH-1
7	15480-HH	1		ELBOW, 90 - 6801-6	



See referenced page for component or assembly breakdown.



Parts T4245 10/17
18.75

MAIN CONTROL VALVE RETURN LINE AND DRAIN

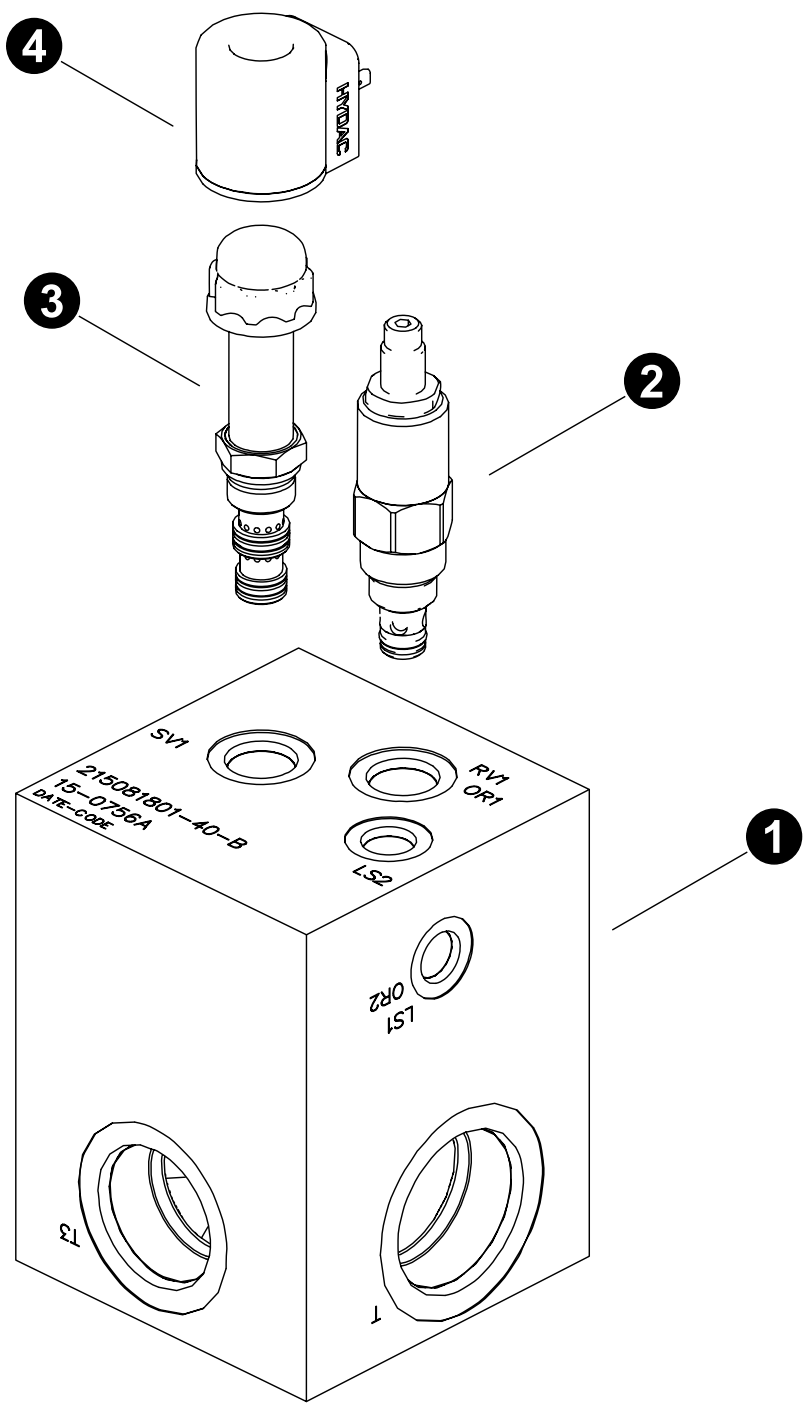
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN CONTROL VALVE	HH-1
2	17909-HH	1		CONNECTOR, FLANGE PAD-W46K-20-20 CODE 61	
3	15378-HH	1		O-RING - 1.25" SF (CODE 61/62)	
4	-HH	4		BOLT, ALLEN HEAD - 10MM	
5	53616-HH	1		FITTING, STR - 24 X 20 - RETURN TUBE	
6	-HH	1		HOSE ASSEMBLY - 2029-20-20JS-20J4 (Valve Return port to Return Block "T3" port)	
7	53616-HH	1		FITTING, STR - 24 X 20 - RETURN TUBE	
8	REF	1		VALVE, SAW STOP / RETURN MANIFOLD - TL765	HH-2
9	22319-HH	1		CONNECTOR, STR - THERMAL BYPASS (GT)	
10	-HH	1		HOSE ASSEMBLY - 2026.5-24-24JS-20J4 (Cooler to Return Block "T" port)	
11	54714-HH	1		ELBOW, 90 SWIVEL 24C6X-S (24 JICMF)	
12	22319-HH	1		CONNECTOR, STR - THERMAL BYPASS (GT)	
13	REF	1		OIL COOLER BREAKDOWN	UP-3
14	15488-HH	1		CONNECTOR, STR - 6400-6	
15	-HH	1		HOSE ASSEMBLY - 2029-06-06JS-06J9 (Valve Drain to Tank)	
16	16661-HH	1		ELBOW, 90 SWIVEL - 6500-6	
17	15488-HH	1		CONNECTOR, STR - 6400-6	



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Parts T4246 10/17
18.75

RETURN / DISC SAW, MANIFOLD

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	57308-HH	1	☐	VALVE, SAW STOP / RETURN MANIFOLD - TL765	
2	-HH	1		VALVE, Relief - RV08-20A-0-N-5	
				SEAL KIT - SK08-2X-B; SK08-2X-M	
3	-HH	1		VALVE, Control - WK08L-01M	
				SEAL KIT - 3054795	
4	-HH	4		COIL, 12-24DG-40-1836	



See referenced page for component or assembly breakdown.

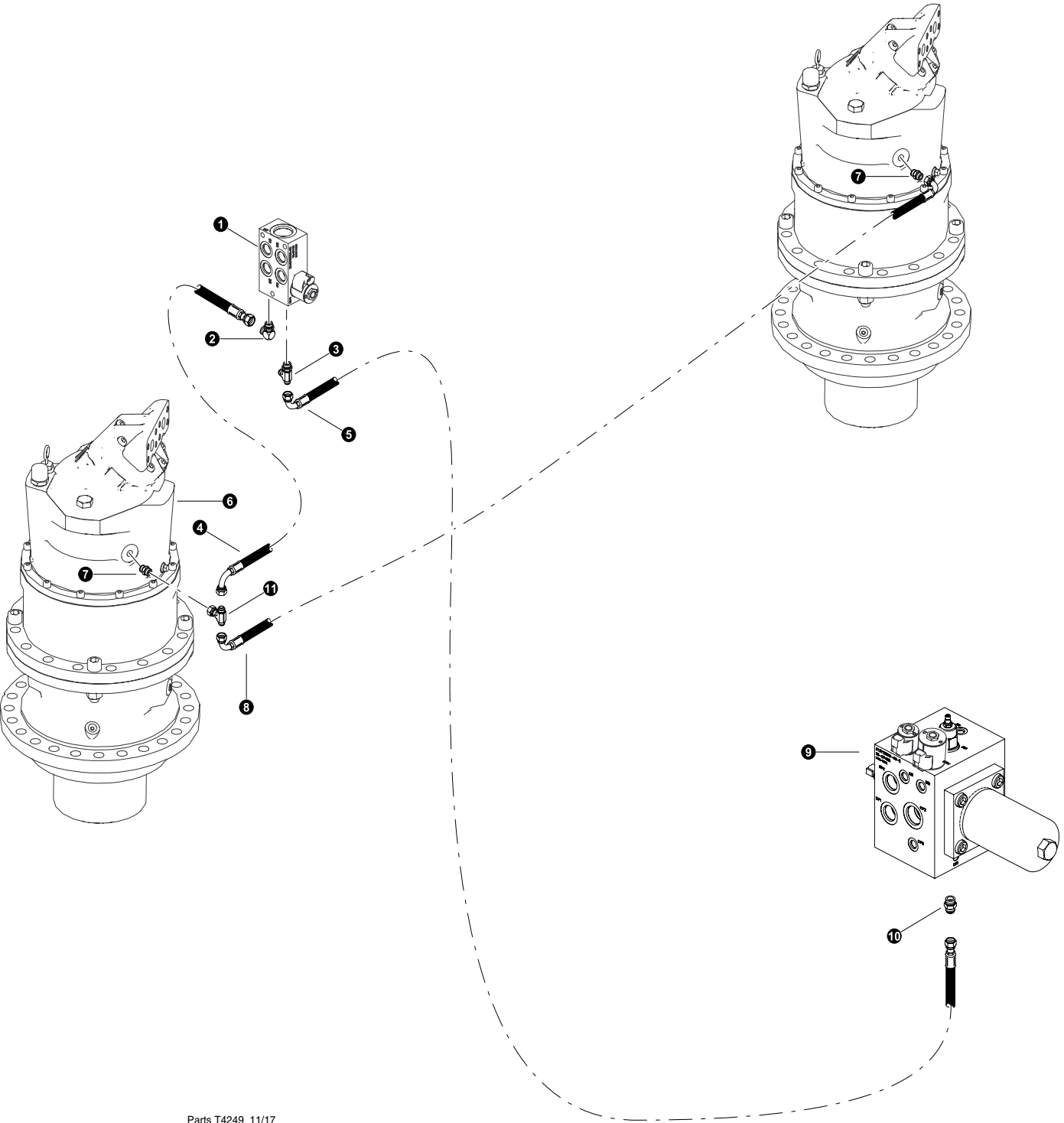


Kit or Assembly - includes all items indented underneath.

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Section HH-3

Hydraulics - Swing Motor Hydraulics



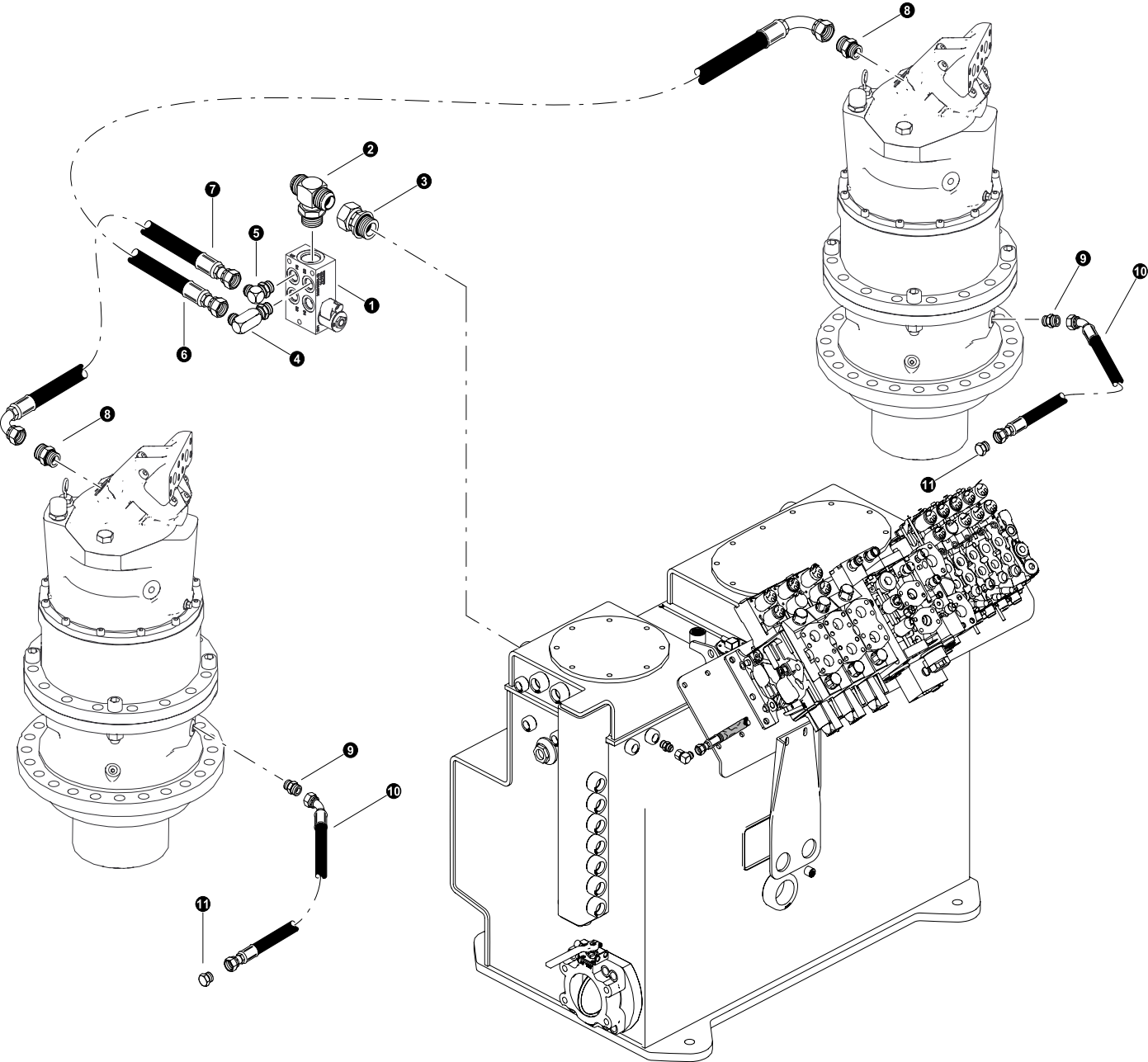
Parts T4249 11/17
25

SWING MOTOR HYDRAULICS (swing gearbox brake release)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MANIFOLD, CASE DRAIN/SWING LOCK	HH-3
2	51931-HH	1		ELBOW, 90 - 4-6 C50X-S (JIC)	
3	55701-HH	1		FITTING, TEE 6-R5OX-S	
4	-HH	1		HOSE ASSEMBLY - 2029-04-04JS-0409 (<i>swing motor brake relase port to BR port</i>)	
5	-HH	1		HOSE ASSEMBLY - 2065-06-060S-0609 (<i>PS port to G1 port charge valve</i>)	
6	REF.	1		MOTOR/GEARBOX - SWING	HH-3
7	19469-HH	1		CONNECTOR, STR METRIC - 4M12F82EDMLO-S	
8	-HH	1		HOSE ASSEMBLY - 2055-04-04JS-0409 (<i>swing motor brake</i>)	
9	REF.	1		CHARGE VALVE / FILTER ASSEMBLY	DH
10	15488-HH	1		CONNECTOR, STR - 6400-6	



See referenced page for component or assembly breakdown.



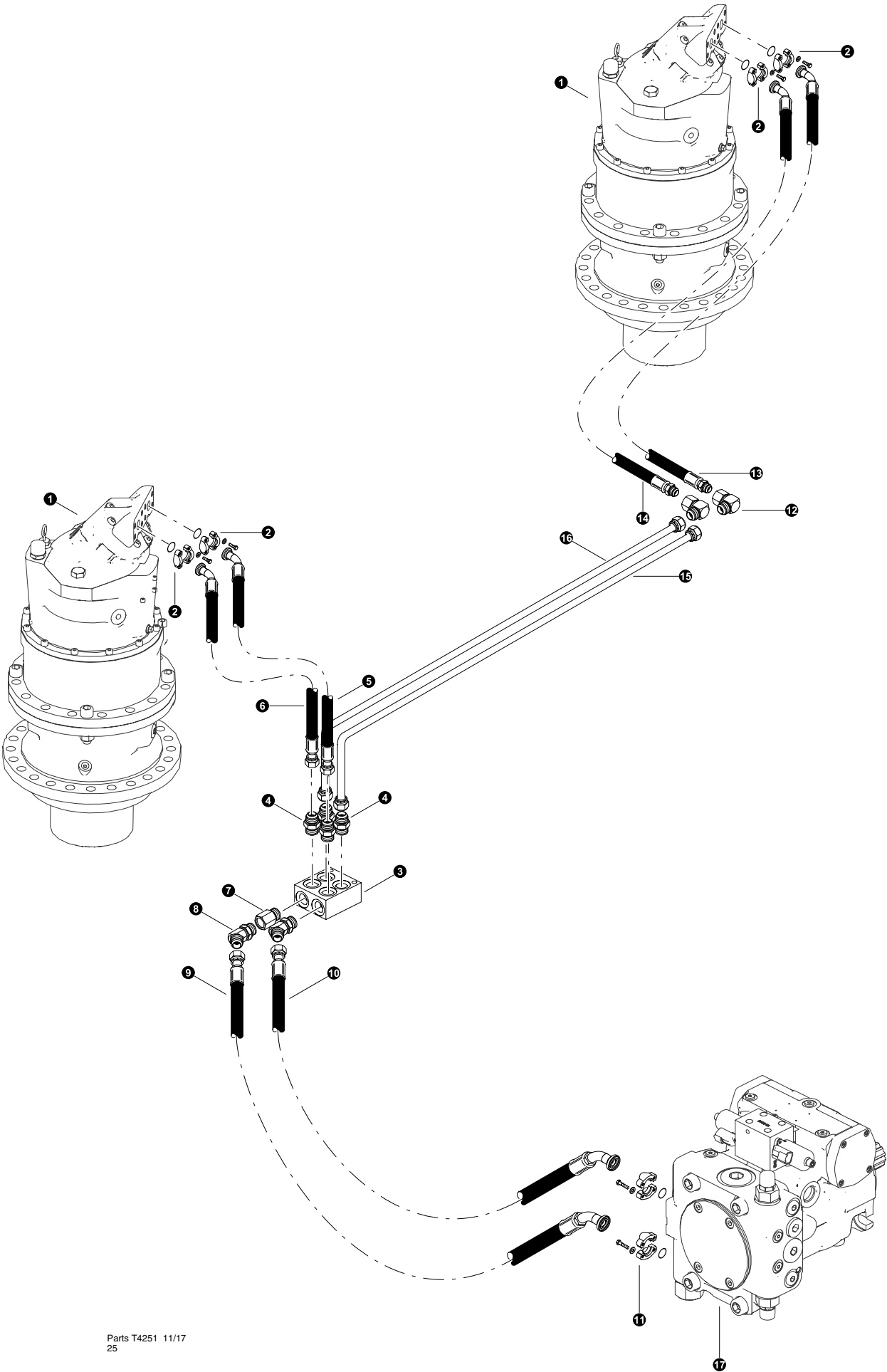
Parts T4250 11/17
25

SWING MOTOR HYDRAULICS (swing motor drain)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MANIFOLD, CASE DRAIN/SWING LOCK	HH-3
2	55622-HH	1		TEE, BRANCH - STRAIGHT THREAD #16	
3	-HH	1		FITTING, Swivel 16 F65OX-SS	
4	54810-HH	1		ELBOW, 90* LONG -8 JIC	
5	15481-HH	1		ELBOW, 90 - 6801-8	
6	-HH	1		HOSE ASSEMBLY - 2084-08-08JS-08J9 (swing motor case drain)	
7	-HH	1		HOSE ASSEMBLY - 2027-08-08JS-08J9 (swing motor case drain)	
8	15489-HH	2		CONNECTOR, STR - 6400-8-8	
9	52493-HH	1		CONNECTOR, MALE ISO 6149	
10	-HH	1		HOSE ASSEMBLY - 2028-08-08OS-0804 (swing motor gearbox drain)	
11	16032-HH	1		PLUG - FF9767-08S	



See referenced page for component or assembly breakdown.



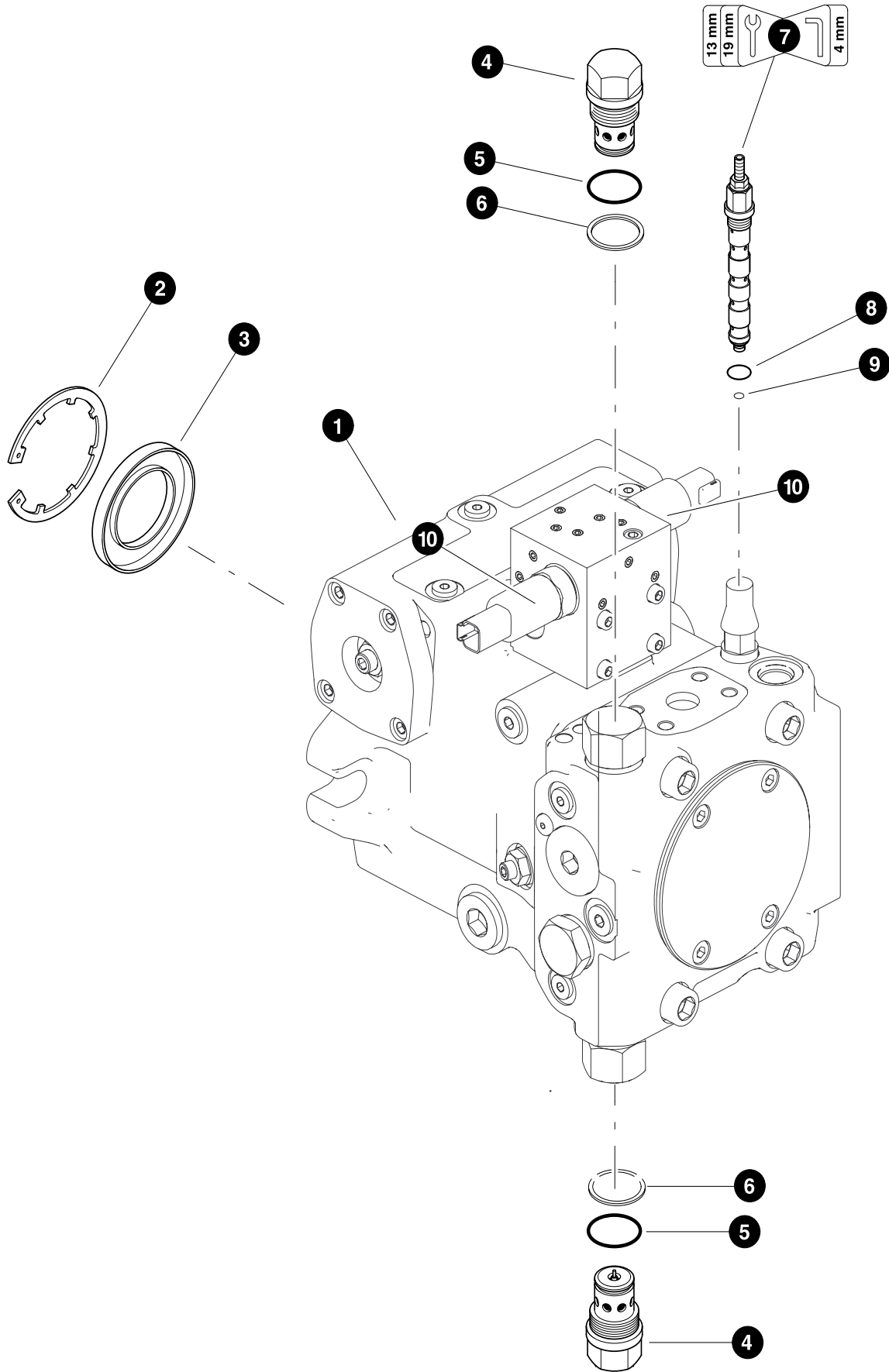
Parts T4251 11/17
25

SWING MOTOR HYDRAULICS (Swing Motor to Valve Connection)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MOTOR/GEARBOX - SWING	HH-3
2	16660-HH	2		KIT, SPLIT FLANGE - .75 (CODE 62)	
3	57284-HH	1		MANIFOLD, SWING COMBINE FLOW	
4	11324-HH	4		CONNECTOR, STR - 6400-12	
5	-HH	1		HOSE ASSEMBLY - 5023.5CS-12-12JS-12PH4 (<i>Swing Motor to tubeline</i>)	
6	-HH	1		HOSE ASSEMBLY - 5022.5CS-12-12JS-12PH4 (<i>Swing Motor to tubeline</i>)	
7	25040-HH	1		BUSHING, REDUCER - 6410-16-12	
8	15474-HH	1		ELBOW, 45 - 6802-12	
9	-HH	1		HOSE ASSEMBLY - 5060CS-12-12JS-12PH4 (<i>Swing Motor to tubeline</i>)	
10	-HH	1		HOSE ASSEMBLY - 5060CS-12-12JS-12PH4 (<i>Swing Motor to tubeline</i>)	
11	16660-HH	2		KIT, SPLIT FLANGE - .75 (CODE 62)	
12	15477-HH	2		ELBOW, 90 SWIVEL - 12 C6X-S	
13	-HH	1		HOSE ASSEMBLY - 5031CS-12-12MJ-12PH4 (<i>Swing Motor to tubeline</i>)	
14	-HH	1		HOSE ASSEMBLY - 5031CS-12-12MJ-12PH4 (<i>Swing Motor to tubeline</i>)	
15	57316-HH	1		TUBELINE, SWNG MAN R TO R SWNG MTR BULKHEAD	
16	57300-HH	1		TUBELINE, SWING MAN L TO R SWNG MTR BULKHEAD	
17	REF.	1		SWING PUMP	HH-3



See referenced page for component or assembly breakdown.



HYDROSTATIC SWING PUMP (Rexroth 56cc)

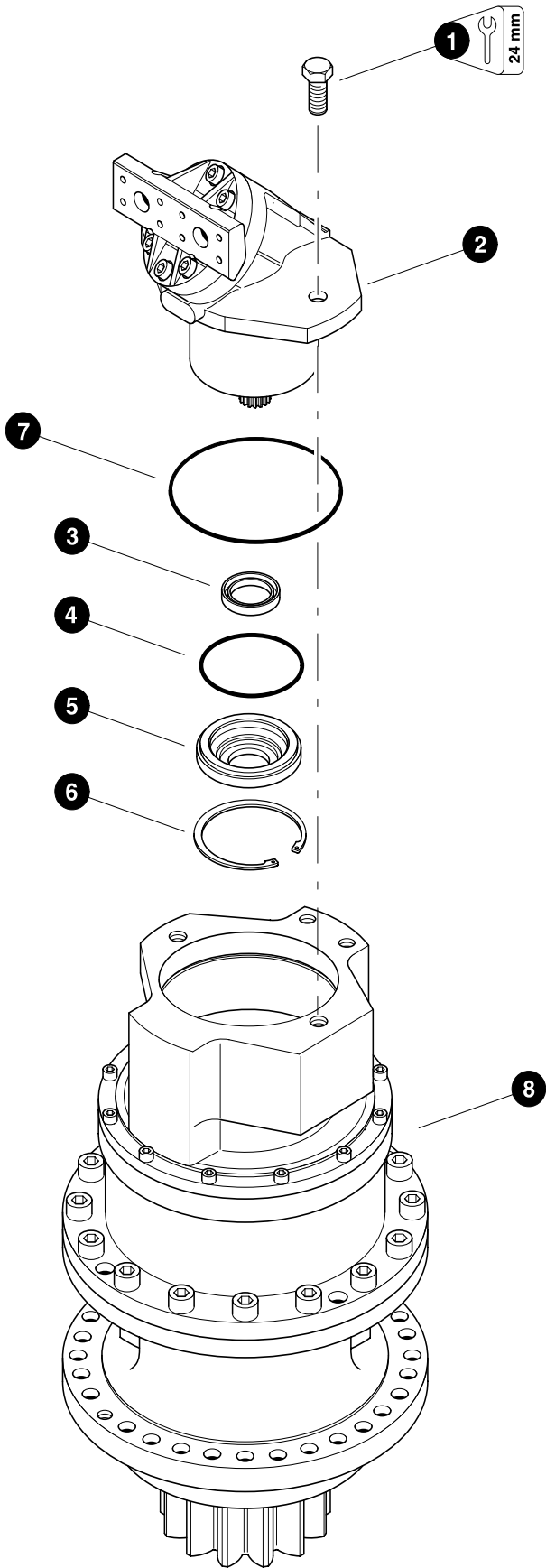
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	54560-HH	1	☐	PUMP, HYDROSTATIC - SWING	
2	R902600000	1		RETAINING RING	
3	R902601649	1		SHAFT SEAL RING	
4	R902016386	2		PRESSURE RELIEF VALVE	
5	R909831768	2		BACK-UP RING	
6	R909831768	2		BACK-UP RING	
7	R909446763	1		PRESSURE OVERRIDE VALVE	
8	R909083752	1		O-RING	
9	R909086380	1		O-RING	
10	R901121566	2		PRESSURE REDUCING VALVE	

☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit, PN# -HH.

Note:

Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.



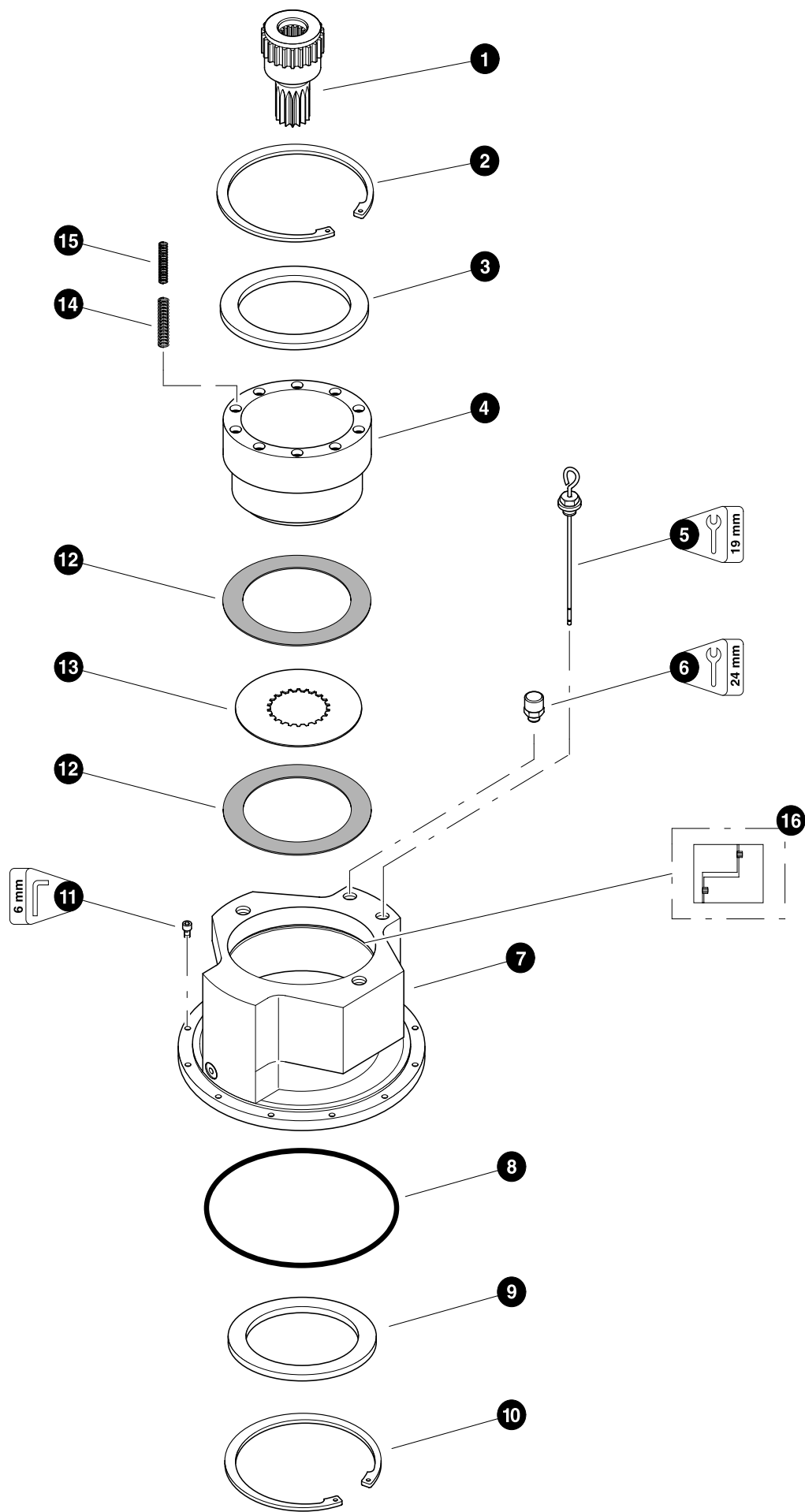
SWING MOTOR HYDRAULICS (swing motor installation)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
--	52745-HH	1	☐	MOTOR, SWING - ECCENTRIC L&S W/56 MOTOR	
1	20661-HH	1		BOLT - 16mm-2.0P x 35mm	
2	17238-HH	1	☐	MOTOR, hydraulic - Rexroth A2FE56 cc	
3	21576-HH	1		SEAL, shaft - 45cc	
	51638-HH	1		SEAL, shaft - 56cc	
4	21577-HH	1		O-RING, front cover - 45cc	
	51639-HH	1		O-RING, front cover - 56cc	
5	21578-HH	1		COVER, front	
6	21579-HH	1		RING, seal retaining	
7	21580-HH	1		O-RING, motor pilot	
8	-HH	1		GEARBOX - Lohmann	

☐ Kit or Assembly - includes all items indented underneath.

Note:

Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.



Parts 00626 11/10/2000
25.00

SWING MOTOR HYDRAULICS (swing gearbox brake)

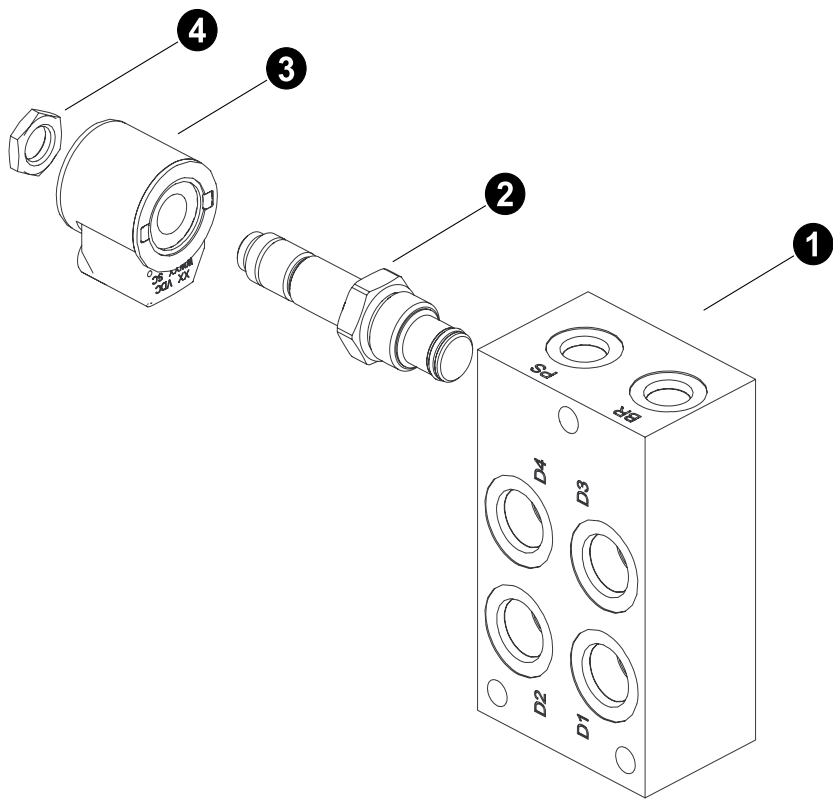
REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	54394-HH	1		GEARBOX - Lohmann ECCENTRIC	
1	21565-HH	1		SHAFT, brake	
2	21566-HH	1		RING, snap - upper brake	
3	21567-HH	1		PLATE, back-up - upper brake	
4	21568-HH	1		PISTON, brake	
5	21569-HH	1	☐	DIPSTICK	
	21571-HH	1		RING, seal	
6	21570-HH	1	☐	BREATHER	
	21571-HH	1		RING, seal	
7	NSS	1		HOUSING, brake	
8	21572-HH	1		O-RING, brake housing	
9	21573-HH	1		PLATE, back-up - lower brake	
10	21574-HH	1		RING, snap - lower brake	
11	21575-HH	12		BOLT, allen head - 8mm x 25mm	
12	NSS	5	⌘	DISC, brake	
13	NSS	4	⌘	DISC, spacer	
14	NSS	10	⌘	SPRING, outer	
15	NSS	10	⌘	SPRING, inner	
--	21418-HH	1		KIT, repair - brake disc	

☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in disc brake kit PN# 20788-UP.

Note:

Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.



Parts T4064 05/15
25.00

SWING BRAKE/DRAIN MANIFOLD

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	55259-HH	1	MANIFOLD, CASE DRAIN/SWING LOCK - C	
1	-HH	1	MANIFOLD, (214010901-40-A)	
2	-HH	1	CARTRIDGE VALVE, (S08-30)	
3	-HH	1	COIL, (4303424)	
4	-HH	1	NUT, (7004400)	
-	SK08-3X-MM	1	SEAL KIT FOR S08-30 VALVE	

Note:

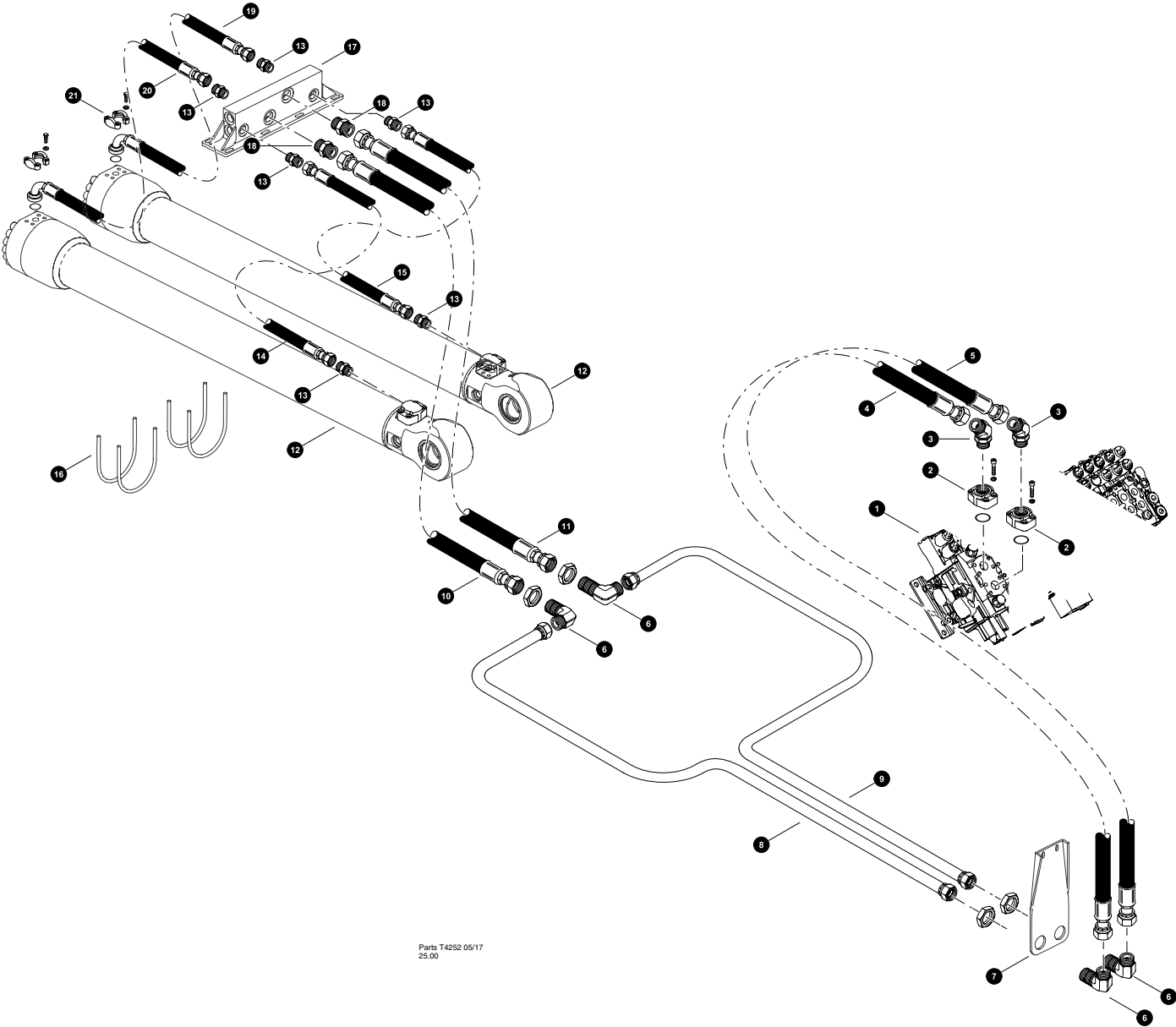
Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.

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Section HH-4

Hydraulics - Implement Connections - Common



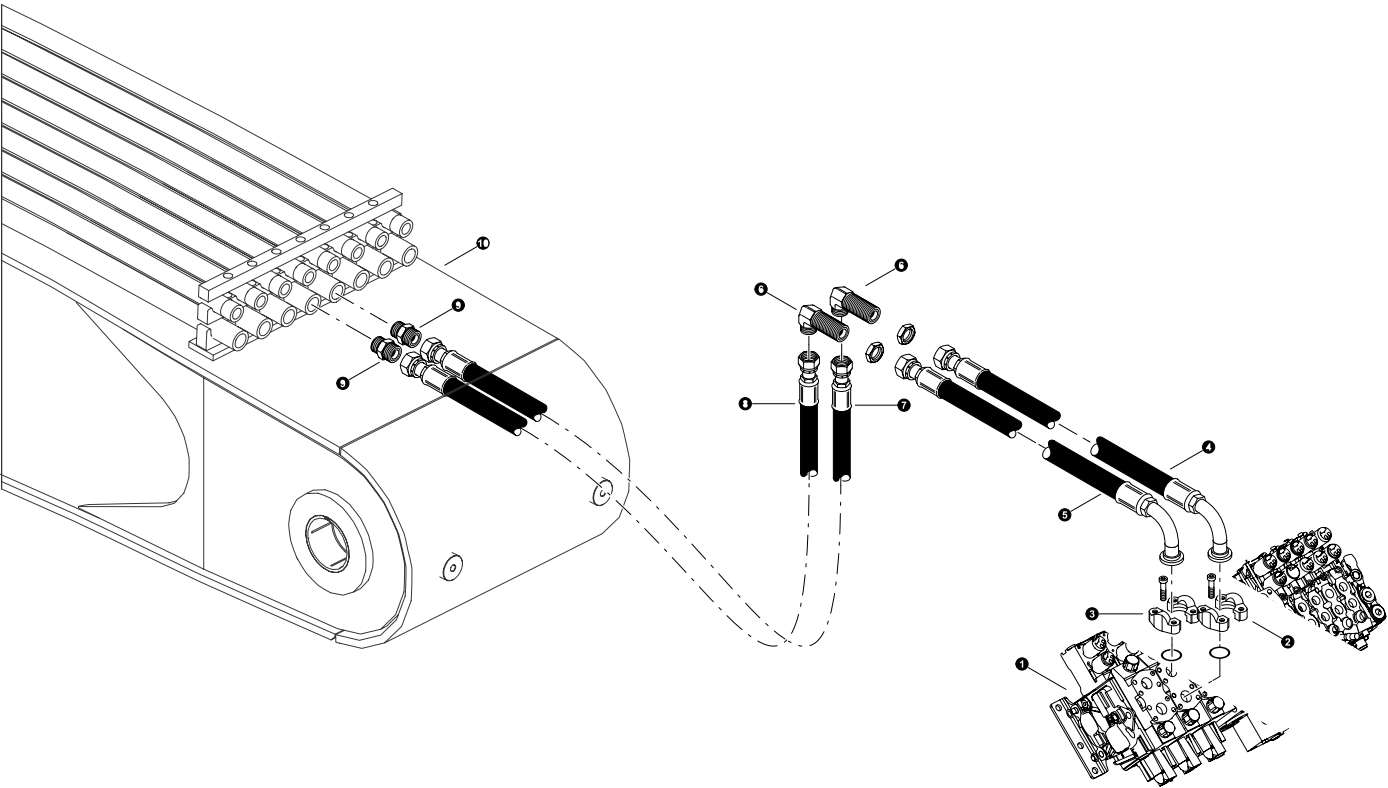
MAIN BOOM CYLINDER FUNCTION

(Main Control Valve To Main Boom (Hoist) Cylinder)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN CONTROL VALVE	HH-1
2	22758-HH	2		CONNECTOR, FLANGE PAD - W46K-16-16 (SAE) (Code 61)	
	15377-HH	2		O-RING - 1" SF	
	-HH	8		BOLT, allen M10	
3	16460-HH	2		ELBOW, 45 - FF2068T-1616S	
4	-HH	1		HOSE ASSEMBLY - 5043C-16-16OS-16OS (Main boom valve work port "A" to main boom cylinder bulkhead)	
5	-HH	1		HOSE ASSEMBLY - 5041C-16-16OS-16OS (Main boom valve work port "B" to main boom cylinder bulkhead)	
6	53680-HH	2		ELBOW, BULK UNION (16X16)	
7	48588-HH	1		PLATE, HYD TANK BULKHEAD MAIN CLY	
8	57260-HH	1		TUBELINE, MAIN BOOM CYLINDER A	
9	57282-HH	1		TUBELINE, MAIN BOOM CYLINDER B	
10	-HH	1		HOSE ASSEMBLY - 5054C-16-16OS-16OS (Main boom manifold to main boom cylinder bulkhead)	
11	-HH	1		HOSE ASSEMBLY - 5054C-16-16OS-16OS (Main boom manifold to main boom cylinder bulkhead)	
12	REF.	1		MAIN BOOM (HOIST) CYLINDERS	FB-3
13	15152-HH	2		CONNECTOR, STR - FF1852T-1212S	
14	-HH	1		HOSE ASSEMBLY - 5041-12-12OS-12OS (Main boom manifold to main boom cylinder)	
15	-HH	1		HOSE ASSEMBLY - 5041-12-12OS-12OS (Main boom manifold to main boom cylinder)	
16	57351-HH	4		U-BOLT, MANIFOLD MAIN BOOM CYL.	
17	48391-HH	1		MANIFOLD, MAIN BOOM - TL765	
18	15225-HH	2		CONNECTOR, STR - FF1852T-1616S	
19	-HH	1		HOSE ASSEMBLY - 5015CS-12-12OS-16PH9 (Main boom manifold to main boom cylinder rod)	
20	-HH	1		HOSE ASSEMBLY - 5015CS-12-12OS-16PH9 (Main boom manifold to main boom cylinder rod)	
21	15113-HH	2		KIT, SPLIT FLANGE - 1" (CODE 62)	



See referenced page for component or assembly breakdown.



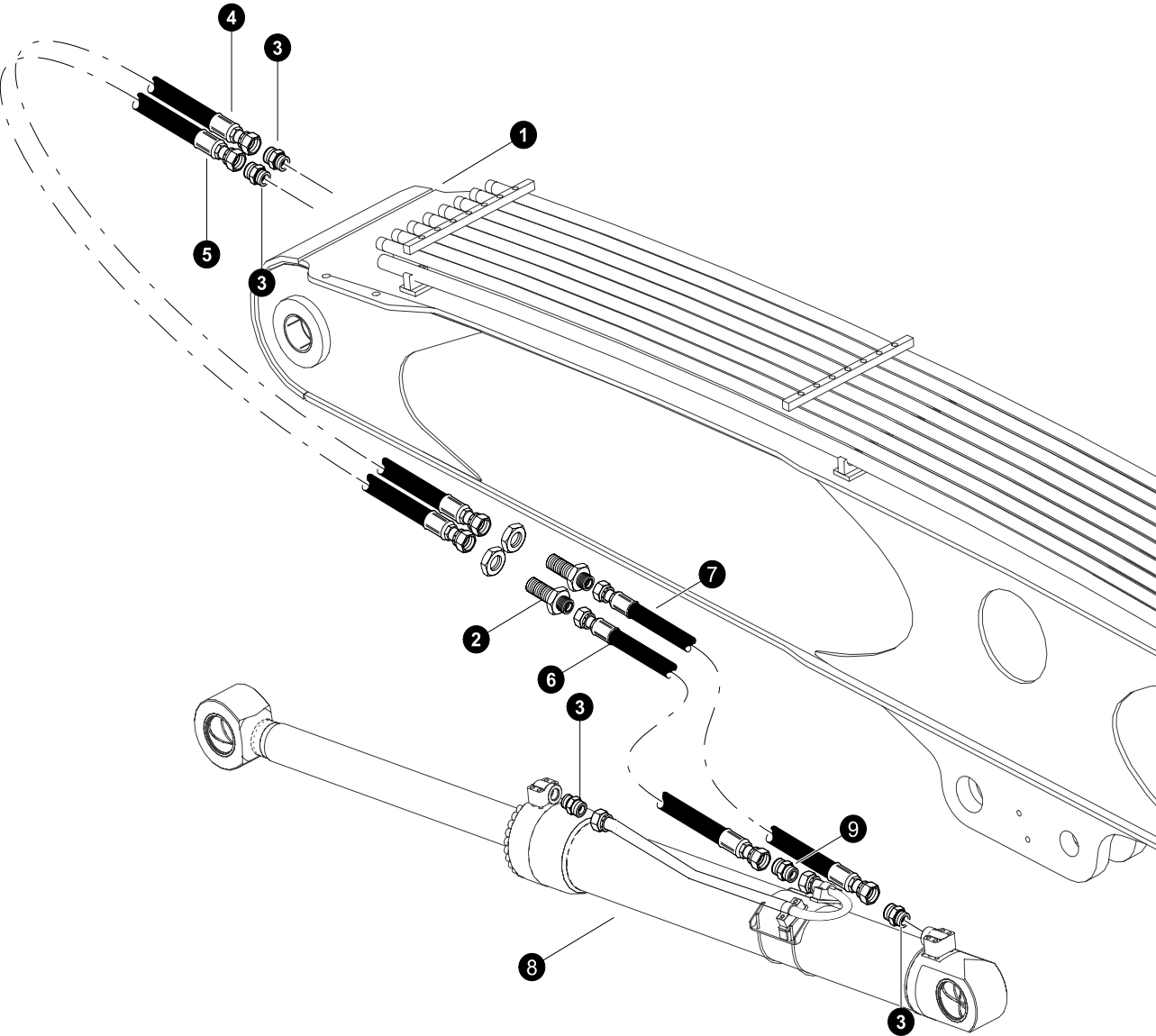
STICK BOOM CYLINDER FUNCTION

(Main Control Valve To Main Boom Tube Lines)

		Disc Saw or Disc/Bar Combo		
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN CONTROL VALVE	HH-1
2	15111-HH	2	 KIT, split flange - 1" SF (<i>Code 61</i>)	
-	15377-HH	2	O-RING - 1" SF	
-	18979-HH	8	BOLT, allen M10 X 45MM	
3	15111-HH	2	 KIT, split flange - 1" SF (<i>Code 61</i>)	
-	15377-HH	2	O-RING - 1" SF	
-	18979-HH	8	BOLT, allen M10 X 45MM	
4	-HH	1	HOSE ASSEMBLY - 5029.5CS-16-160S-16PA9 (<i>Stick boom valve work port "A" to Bulkhead</i>)	
5	-HH	1	HOSE ASSEMBLY - 5027CS-16-160S-16PA9 (<i>Stick boom valve work port "B" to Bulkhead</i>)	
6	53680-HH	2	ELBOW, BULK UNION (16X16)	
7	-HH	1	HOSE ASSEMBLY - 5043CS-16-160S-16OS (<i>Stick boom TUBELINE to Bulkhead</i>)	
8	-HH	1	HOSE ASSEMBLY - 5043CS-16-160S-16OS (<i>Stick boom TUBELINE to Bulkhead</i>)	
11	15225-HH	2	CONNECTOR, STR - FF1852T-1616S	



See referenced page for component or assembly breakdown.



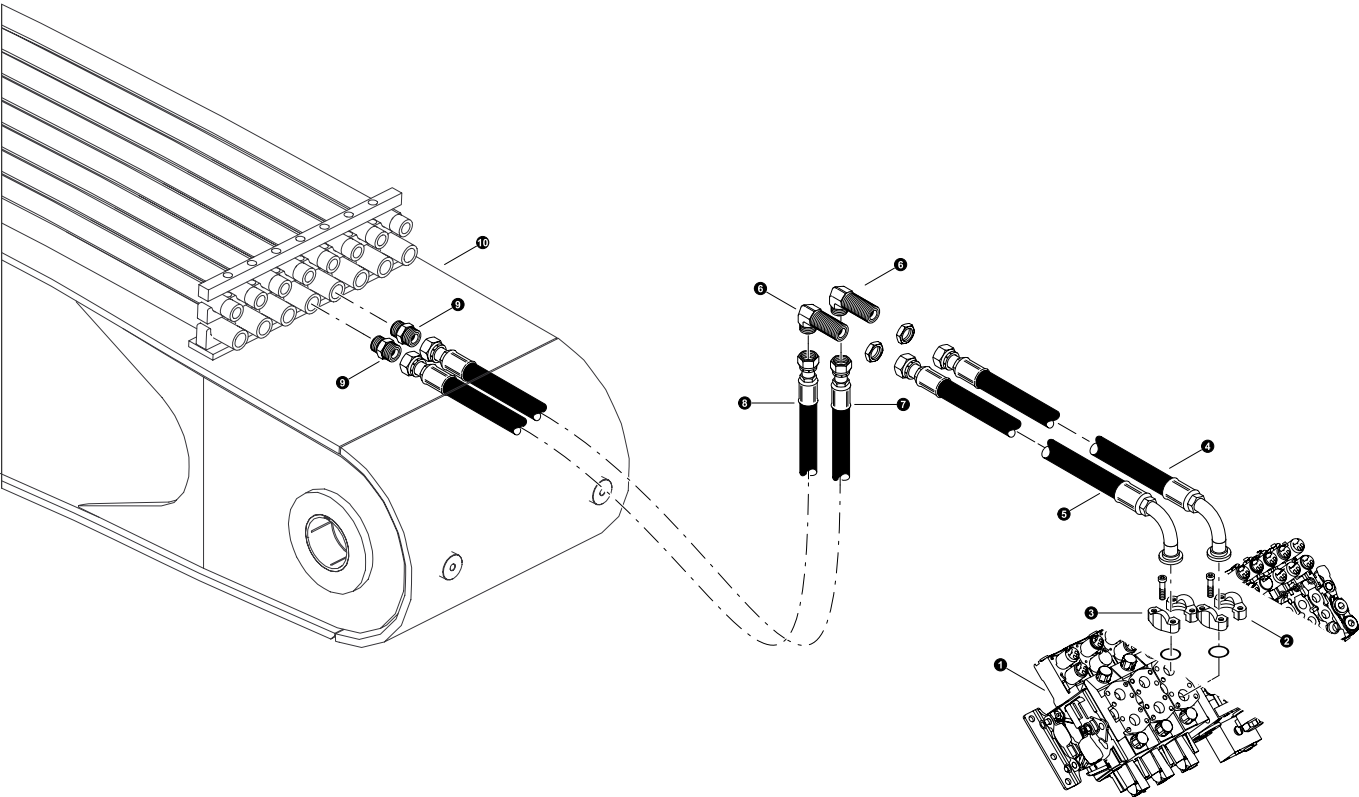
Parts T4256 05/18
12.5

STICK BOOM CYLINDER FUNCTION
(Main Boom To Stick Boom Cylinder)
Harvester Booms

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN BOOM ASSEMBLY	FB-1
2	20033-HH	2		CONNECTOR, STR BULKHEAD - 832-TT-16	
3	15225-HH	6		CONNECTOR, STR - FF1852T-1616S	
4	-HH	1		HOSE ASSEMBLY - 5060CS-16-160S-16OS (<i>Main Boom to Stick Cylinder Rod</i>)	
5	-HH	1		HOSE ASSEMBLY - 5060CS-16-160S-16OS (<i>Main Boom to Stick Cylinder Base</i>)	
6	-HH	1		HOSE ASSEMBLY - 5052CS-16-160S-16OS (<i>Main Boom to Stick Cylinder Rod</i>)	
7	-HH	1		HOSE ASSEMBLY - 5079CS-16-160S-16OS (<i>Main Boom to Stick Cylinder Base</i>)	
8	REF.	1		STICK CYLINDER.....	FB-3



See referenced page for component or assembly breakdown.



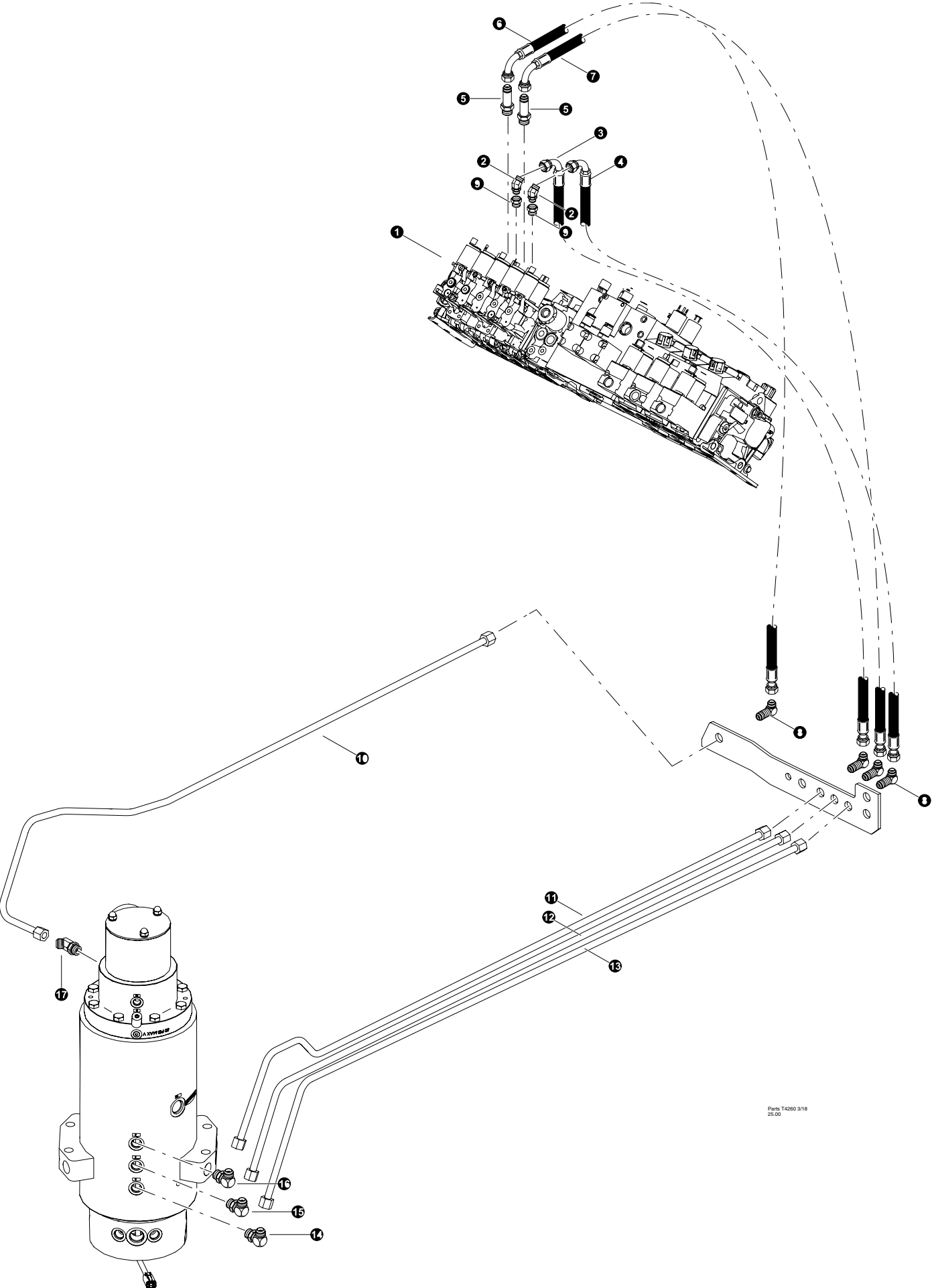
TOOL CYLINDER FUNCTION

(Main Control Valve To Main Boom Tube Lines)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN CONTROL VALVE	HH-1
2	15111-HH	2		KIT, split flange - 1" SF (Code 61)	
-	15377-HH	2		O-RING - 1" SF	
-	18979-HH	8		BOLT, allen M10 X 45MM	
3	15111-HH	2		KIT, split flange - 1" SF (Code 61)	
-	15377-HH	2		O-RING - 1" SF	
-	18979-HH	8		BOLT, allen M10 X 45MM	
4	-HH	1		HOSE ASSEMBLY - 5030CS-16-160S-16PA9 (<i>Stick boom valve work port "A" to Bulkhead</i>)	
5	-HH	1		HOSE ASSEMBLY - 5027.5CS-16-160S-16PA9 (<i>Stick boom valve work port "B" to Bulkhead</i>)	
6	53680-HH	2		ELBOW, BULK UNION (16X16)	
7	-HH	1		HOSE ASSEMBLY - 5043CS-16-160S-16OS (<i>Stick boom TUBELINE to Bulkhead</i>)	
8	-HH	1		HOSE ASSEMBLY - 5043CS-16-160S-16OS (<i>Stick boom TUBELINE to Bulkhead</i>)	
9	15225-HH	2		CONNECTOR, STR - FF1852T-1616S	



See referenced page for component or assembly breakdown.



Parts 14260 3/18
25.00

CAB LEVELING FUNCTION - OPTIONAL

(Main Control Valve To Rotary Manifold)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN CONTROL VALVE	HH-1
2	55343-HH	2		FITTING, ELBOW - 45DEG - 8 V5OX-S	
3	-HH	1		HOSE ASSEMBLY - 4046-08-08JS-08J9 (<i>Cab Level section "A" to Bulkhead) Rotary Manifold Port 6)</i>	
4	-HH	1		HOSE ASSEMBLY - 4046-08-08JS-08J9 (<i>Cab Level section "A" to Bulkhead) Rotary Manifold Port 4)</i>	
5	55513-HH	2		FITTING, LONG STRAIGHT CONNECTOR #8	
6	-HH	1		HOSE ASSEMBLY - 4043.5-08-08JS-08J9 (<i>Cab Level section "B" to Bulkhead) Rotary Manifold Port 6)</i>	
7	-HH	1		HOSE ASSEMBLY - 4050-08-08JS-08J9 (<i>Cab Level section "B" to Bulkhead) Rotary Manifold Port 4)</i>	
8	55382-HH	4		FITTING, BULKHEAD - 8 WETX-WLN-S	
9	19290-HH	2		BUSHING, REDUCER - 6410-10-8	
10	57269-HH	1		TUBELINE, RM #5 TO LEVEL BULKHEAD	
11	57270-HH	1		TUBELINE, RM #6 TO LEVEL BULKHEAD	
12	57271-HH	1		TUBELINE, RM #4 TO LEVEL BULKHEAD	
13	57272-HH	1		TUBELINE, RM #2 TO LEVEL BULKHEAD	
14	15481-HH	1		ELBOW, 90 - 6801-8	
15	15481-HH	1		ELBOW, 90 - 6801-8	
16	15481-HH	1		ELBOW, 90 - 6801-8	
17	55343-HH	1		ELBOW, 90 - 6801-8	



See referenced page for component or assembly breakdown.

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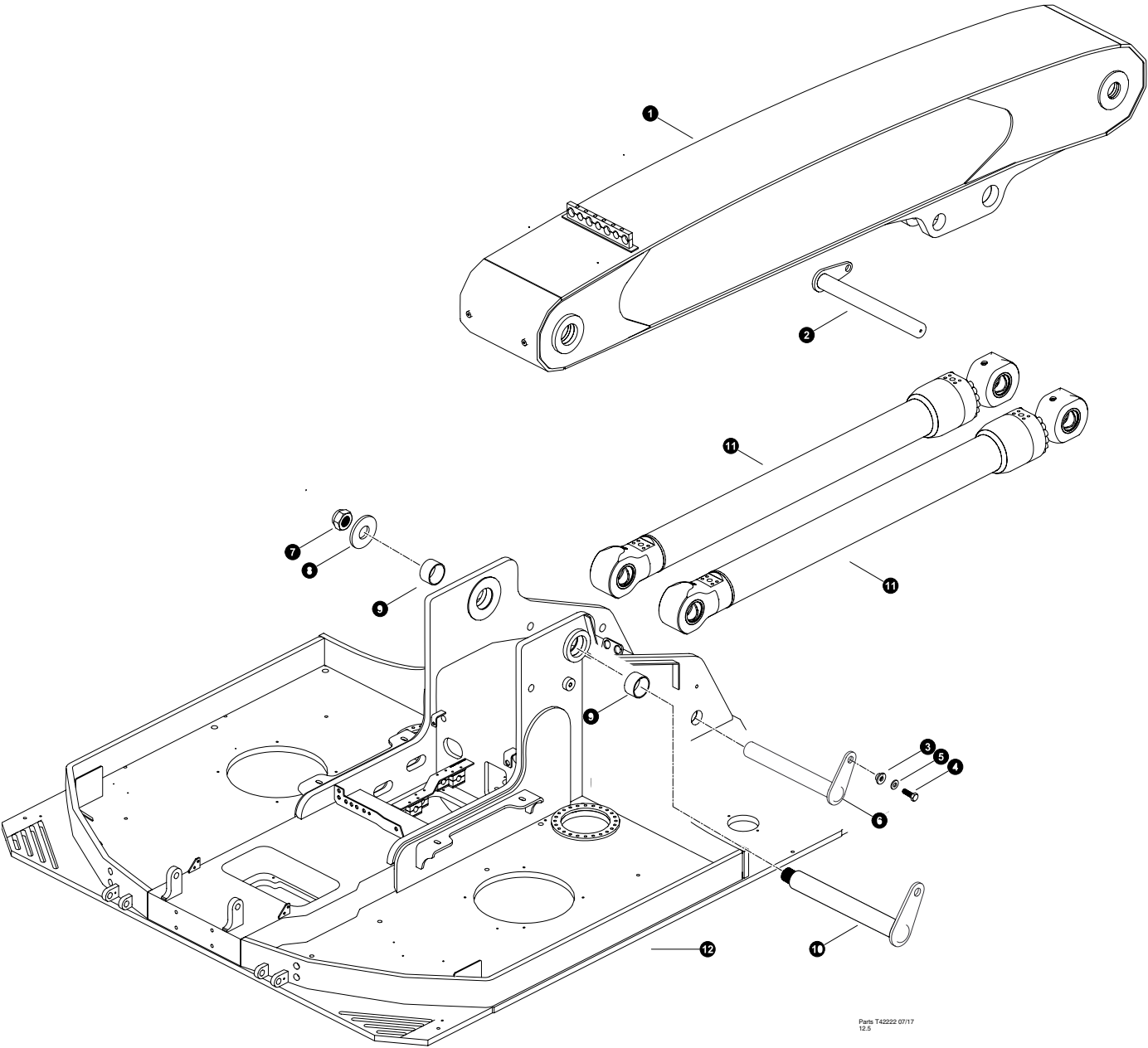
Section HB-1

***Harvester Booms -
Main Boom - 765***

MAIN BOOM COMPONENTS HARVESTER BOOMS

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	47000-HB	1	☐	WELDMENT, BOOM HARVETER MAIN - TAIL	
2	48115-HB	4		BUSHING - 4.5" X 4" X 5"	
3	48627-HB			TUBELINE, BENT HARVESTER .5 x 204"	
	48627-HB			TUBELINE, BENT HARVESTER .75 x 204"	
	48627-HB			TUBELINE, BENT HARVESTER 1" x 204"	
	48717-HB			TUBELINE, BENT HARVESTER - WIRE	
	48716-HB			TUBELINE, BENT HARVESTER - Grease Line	
	48699-HB			TUBELINE, BENT HARVESTER - Return	
4	48590-HB	4		CLAMP, SADDLE - HARVESTER	
5	48343-HB	4		CLAMP, SADDLE - TOP	
6	10771-HB	24		WASHER, SAE flat - 5/8"	
7	15563-HB	24		NUT, nylock - 5/8	
8	10775-HB	4		BOLT - .75" X 2.5"	
9	15550-HB	8		WASHER, SAE FLAT - .75"	
10	10817-HB	4		NUT, LOCK - .75"	
11	48635-HB	1		GUARD, HOSE - MAIN BOOM 765	
12	48663-HB	4		BAR, DEBRIS FLAP HOLD-DOWN	
13	48752-HB	1		RUBBER, DEBRIS FLAP	
14	32880-HB	16		STUD, 5/8" x 7	
	32886-HB	8		STUD, 5/8" x 9	

☐ Kit or Assembly - includes all items indented underneath.

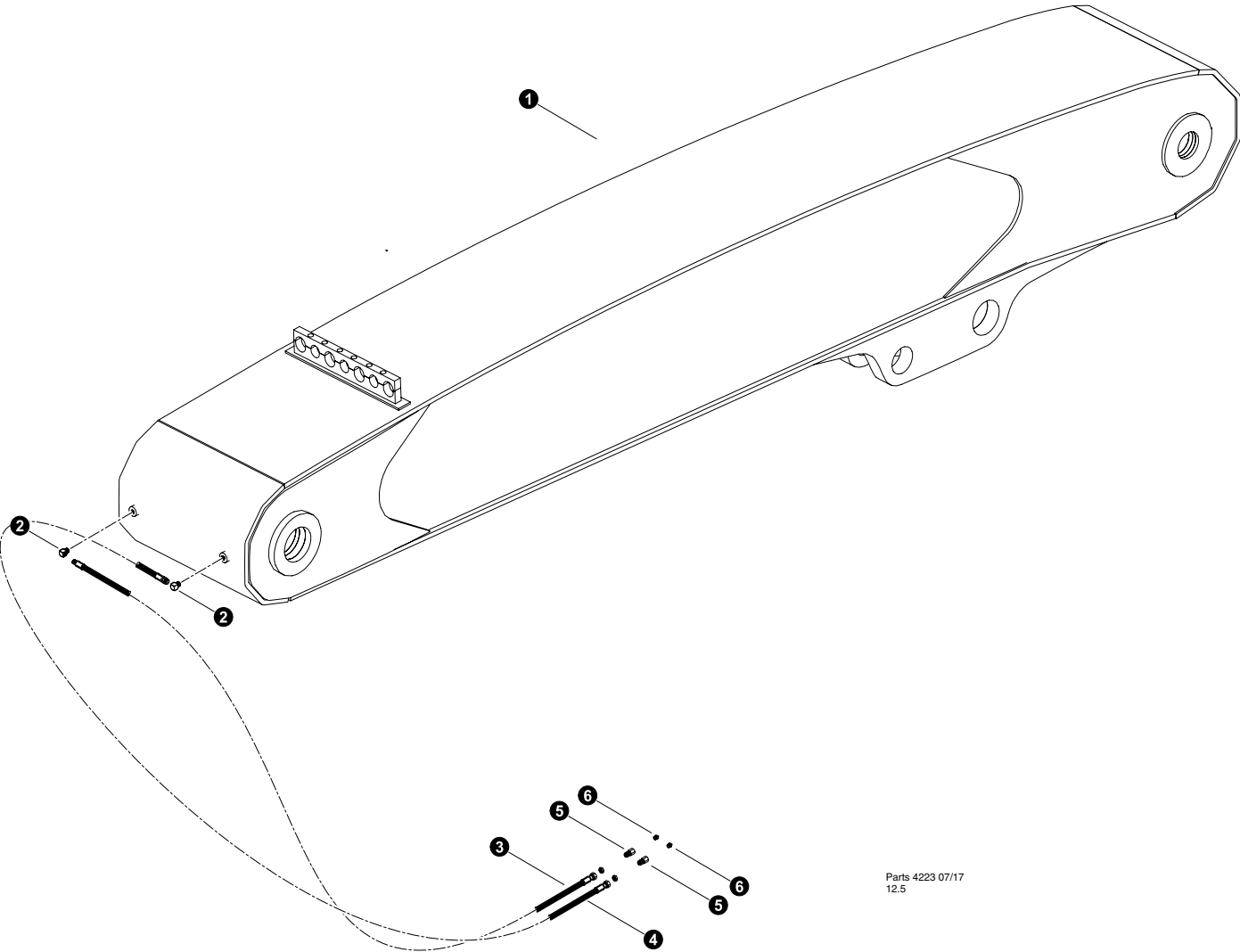


Parts T42222 07/17
12.3

MAIN BOOM INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		MAIN BOOM ASSEMBLY	HB-1
2	48532-LB	1		PIN, MAIN CYL ROD - TL765	
3	18570-LB	2		WASHER, PIN RETAINING	
4	10841-LB	1		BOLT - .75" X 3.5"	
5	15550-LB	2		WASHER, SAE FLAT - .75"	
6	48532-LB	1		PIN, MAIN CYL BASE END - TL765	
7	10728-LB	1		NUT, NYLOCK - 2" (ZINC PLATED)	
8	19384-LB	1		WASHER, BURNED - 2.12" ID X 6" OD X .5"	
9	48116-LB	2		BUSHING - 4.5" X 4" X 2.50" - 765	
10	48473-LB	1		PIN, MAIN BOOM TO UPPER - 765	
11	REF.	1		MAIN BOOM CYLINDERS	HB-3
12	REF.	1		UPPER TURNTABLE WELDMENT.....	UP-1

-  Kit or Assembly - includes all items indented underneath.
-  See referenced page for component or assembly breakdown.



Parts 4223 07/17
12.5

MAIN BOOM GREASE LINES

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		MAIN BOOM ASSEMBLY	HB-1
2	22281-HB	6		FITTING, 90° - 5546132	
3	-HB	2		HOSE ASSEMBLY 2108-02-02PS-04JS	
4	-HB	2		HOSE ASSEMBLY 2108-02-02PS-04JS	
5	15658-HB	2		CONNECTOR, straight bulkhead - 2239-2-4S	
6	10704-HB	7		FITTING, straight grease - 1/8" pipe thread	

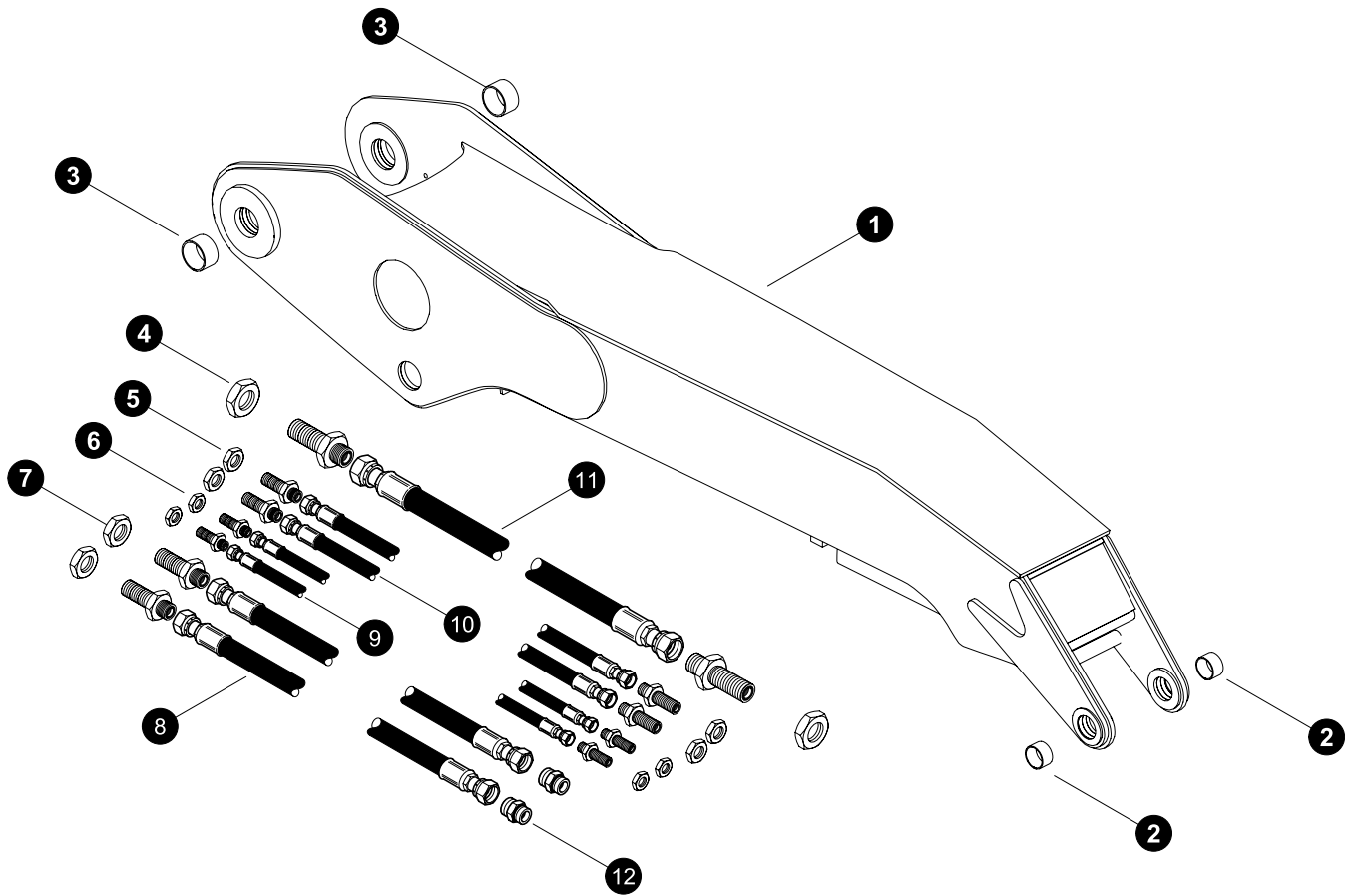
-  Kit or Assembly - includes all items indented underneath.
-  See referenced page for component or assembly breakdown.

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Section HB-2

Harvester Booms - Stick Boom (Harvester)

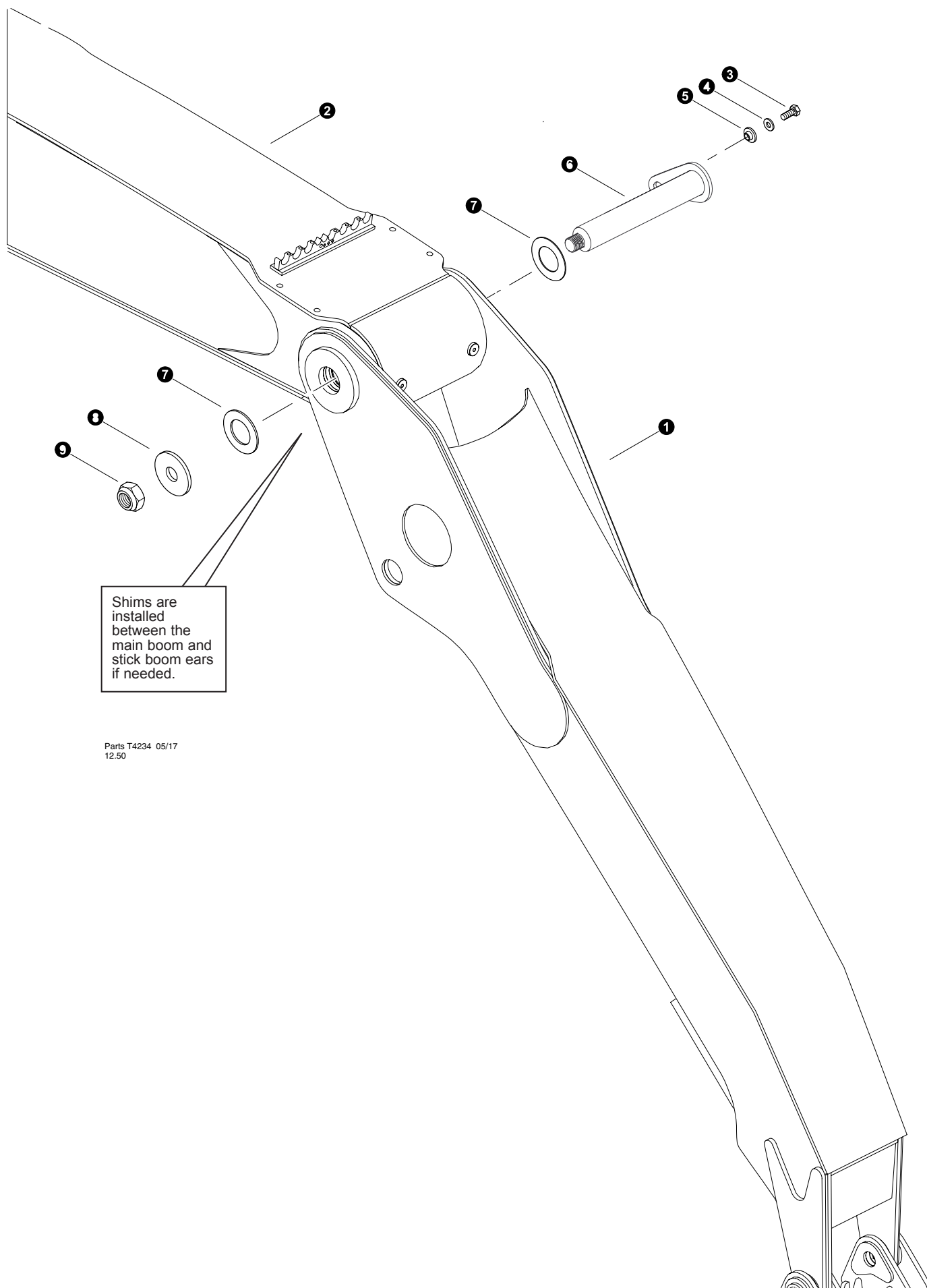


Parts T4232 05/15
6.25

STICK BOOM COMPONENTS (Standard Stick Boom)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	49000-HB	1	WELDMENT, STICK BOOM F/B	
2	48425-HB	2	BUSHING, 3.5"X3.0"X 4.5"	
3	48116-HB	2	BUSHING - 4.5" X 4" X 2.50"	
4	48425-HB	2	BUSHING, 3.5"X3.0"X 4.5"	
5	15351-HB	4	CONNECTOR, STR BULKHEAD - 2041-16-16S	
6	17009-HB	4	CONNECTOR, STR BULKHEAD - 2700-12	
7	20196-HB	8	CONNECTOR, STR BULKHEAD - FF1994T-0808S	
8	-HB	2	HOSE ASSEMBLY 5054CS-16-06OS-16OS-SW	
9	-HB	2	HOSE ASSEMBLY 5056CS-08-08OS-08OS-SW	
10	-HB	2	HOSE ASSEMBLY 5055CS-12-12OS-12OS-SW	
11	-HB	1	HOSE ASSEMBLY 5057CS-20-20OS-20OS-SW	
12	15225-HB	2	CONNECTOR, STR - FF1852T-1616S	

☐ Kit or Assembly - includes all items indented underneath.

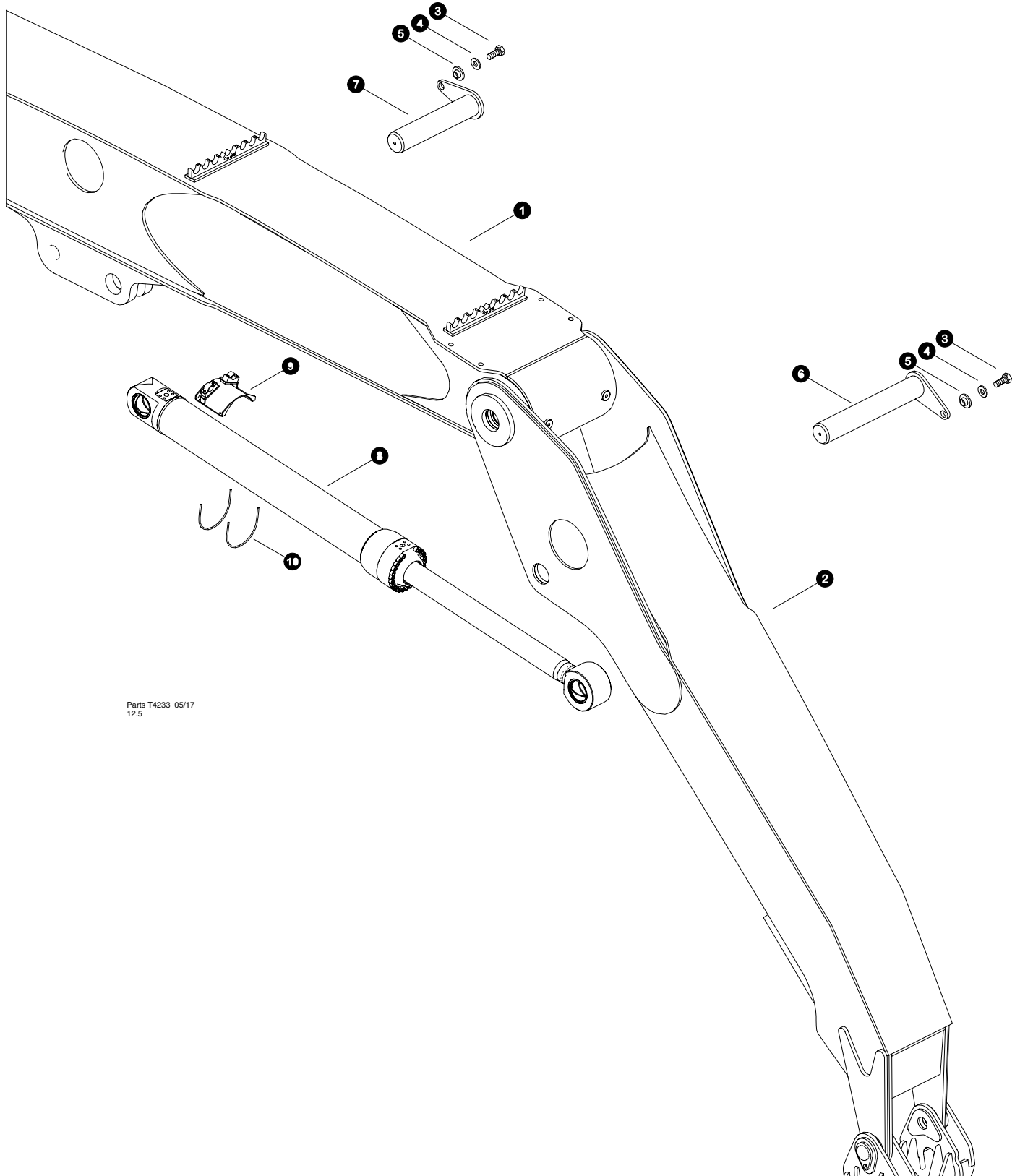


STICK BOOM INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		STICK BOOM ASSEMBLY.....	HB-2
2	REF.	1		MAIN BOOM ASSEMBLY	HB-1
3	10775-HB	1		BOLT - 3/4" x 2.5"	
4	15550-HB	1		WASHER, SAE flat - 3/4"	
5	54136-HB	1		WASHER, pin retaining	
6	48473-HB	1		PIN, MAIN BOOM TO UPPER / STICK	
7	-HB	AR		SHIM - 7 gauge	
	-HB	AR		SHIM - 10 gauge	
	-HB	AR		SHIM - 14 gauge	
8	19384-HB	1		WASHER, burned	
9	10728-HB	1		NUT, nylock - 2"	



See referenced page for component or assembly breakdown.



Parts T4233 05/17
12.5

STICK BOOM (JIB) CYLINDER INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN BOOM ASSEMBLY	HB-1
2	REF.	1		STICK BOOM ASSEMBLY.....	HB-2
3	15549-HB	1		BOLT - 3/4" x 2"	
4	15550-HB	1		WASHER, SAE flat - 3/4"	
5	18570-HB	1		WASHER, pin retaining	
6	48533-HB	1		PIN, STICK CYL CYLINDER - TL765	
7	48533-HB	1		PIN, STICK CYL CYLINDER - TL765	
8	REF.	1		STICK BOOM (JIB) CYLINDER	HB-3
9	48631-HB	1		WELDMENT, CLY BARREL CLAMP - STICK	
10	48689-HB	2		U-BOLT - 8.13 X 7 X.25	



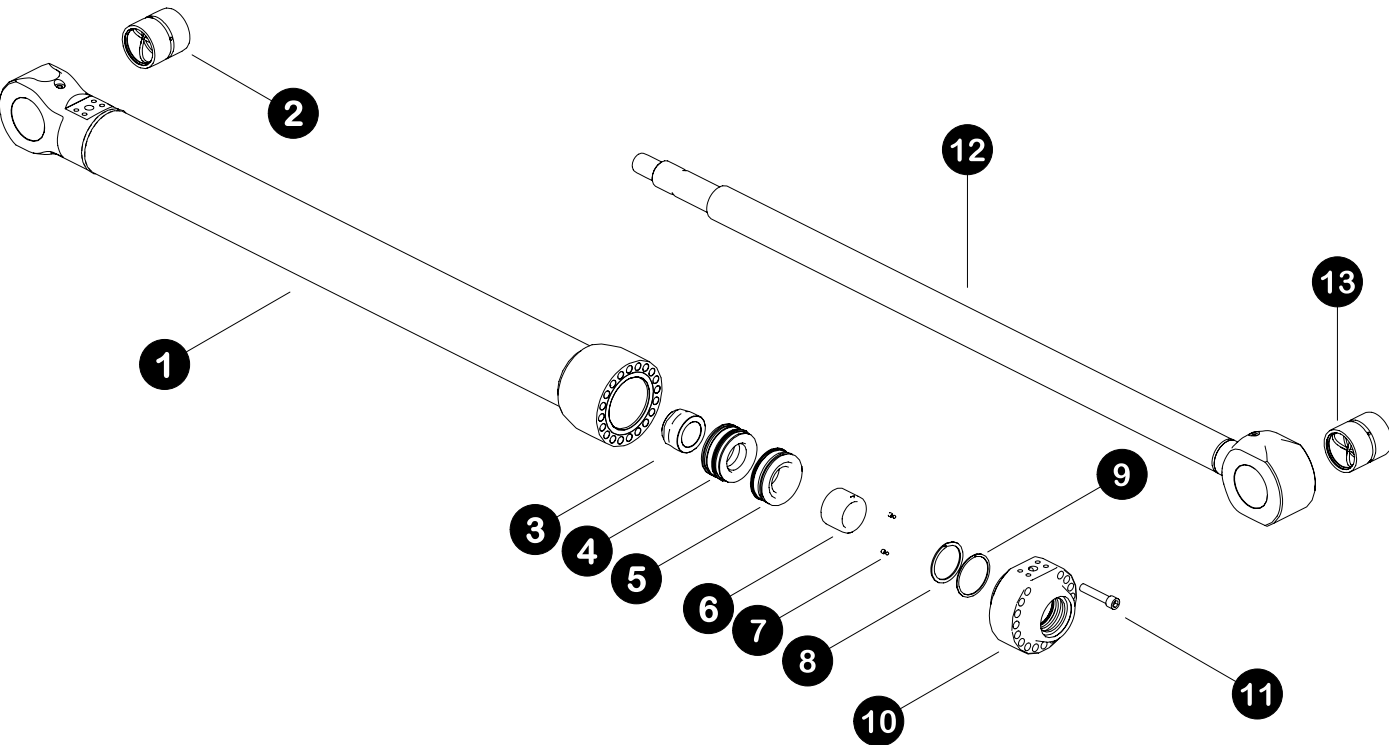
See referenced page for component or assembly breakdown.

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Section HB-3

Harvester Booms - Cylinders



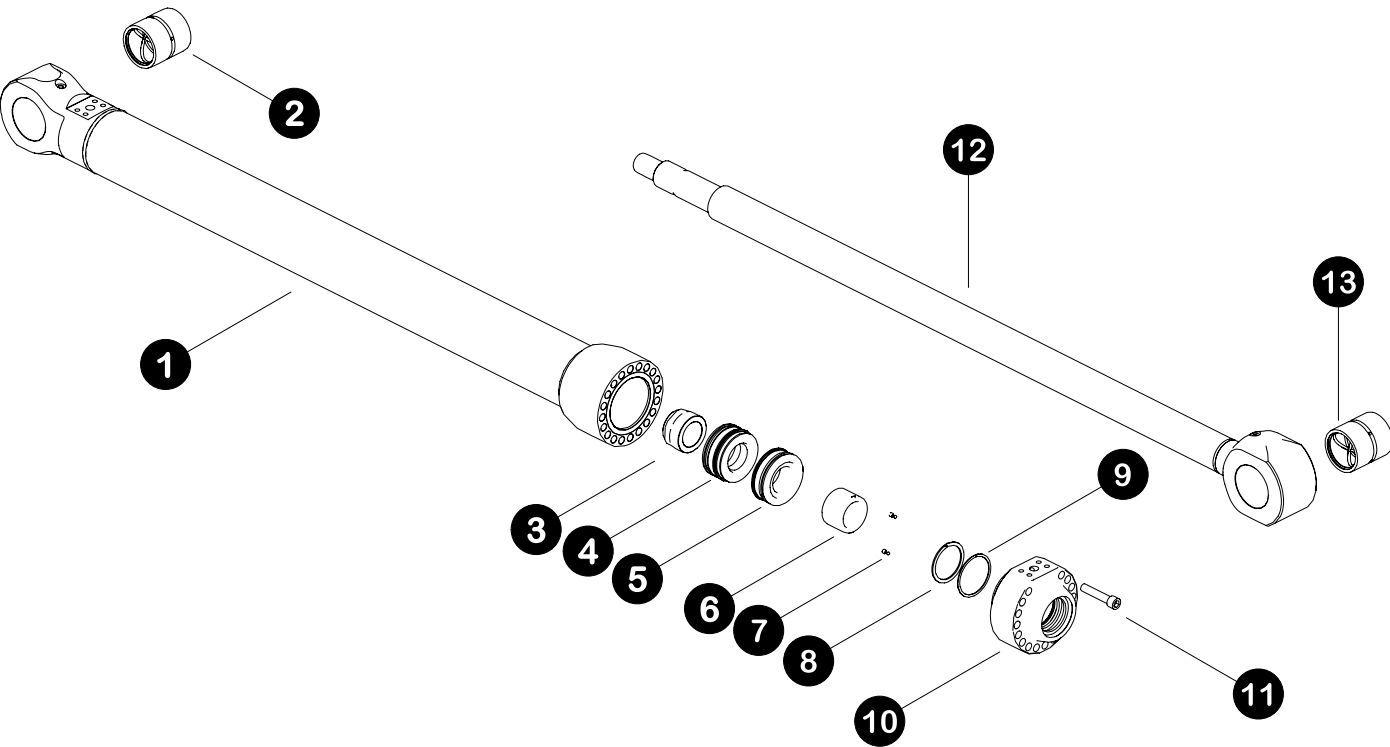
Parts 4229 07/17
12.5

MAIN BOOM (HOIST) CYLINDER**Dangle Harvester/Felling**
(Current)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	57589-HB	1	☐	CYLINDER, MAIN - TL765 (130mm) Current 54" Stroke	
1	TPM130200-HB	1	☐	BARREL ASSEMBLY	
2	BB300400-HB	2		BUSHING	
3	-HB	1		NUT, M75	
4	TP450110-HB	1		PISTON, BACK	
5	TP450109-HB	1		PISTON, FRONT	
6	TC110217-HB	1		SLEEVE, Cushion	
7	NSS	2		BALL AND SETSCREW	
8	NSS	1		RING, spiral retaining	
9	NSS	1		RING, spiral retaining	
10	TP450108-HB	1		GLAND, head	
11	-HB	17		BOLT, Metric M16 X 90 (173 FT-LBS)	
12	TP450105-HB	1	☐	ROD ASSEMBLY	
13	BB300400-HB	2		BUSHING	

- SK13009000-HB 1 KIT, seal repair - main boom cylinder 765

☐ Kit or Assembly - includes all items indented underneath.



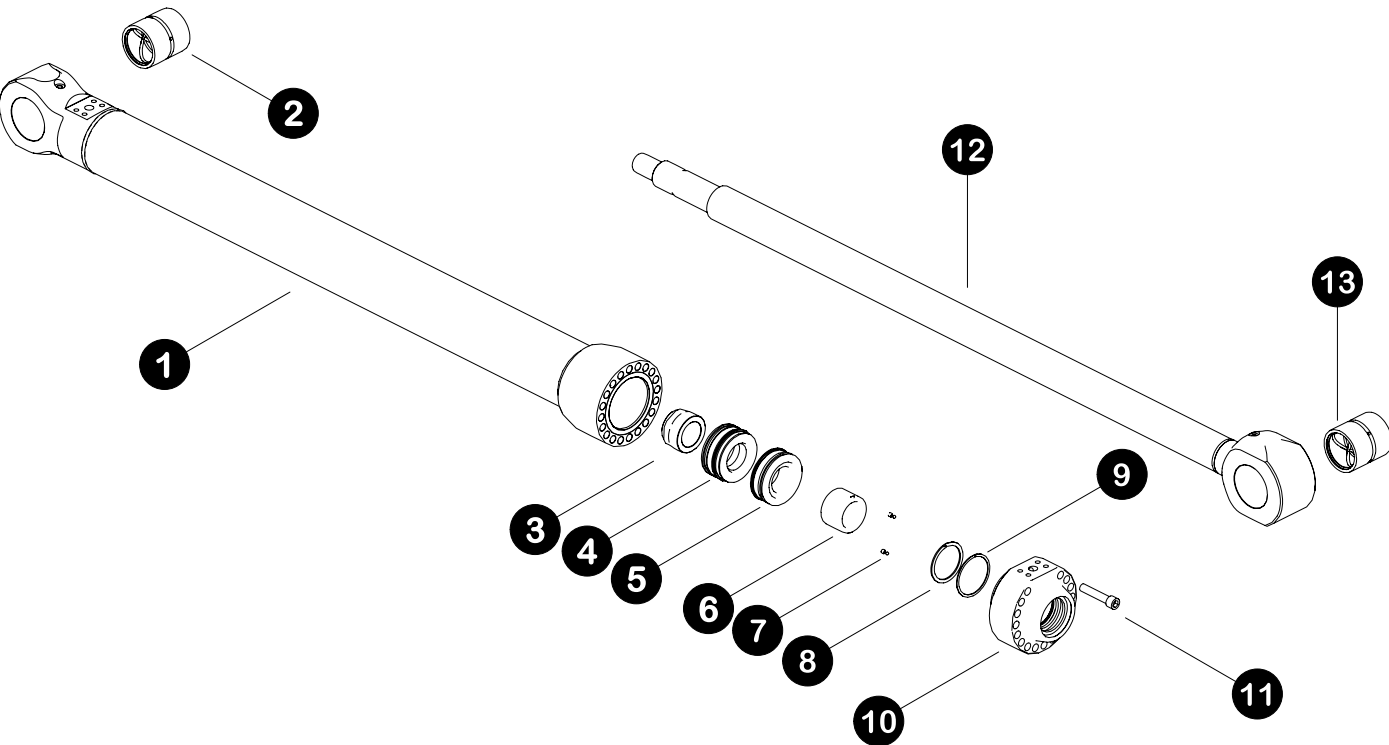
Parts 4229 07/17
12.5

MAIN BOOM (HOIST) CYLINDER**Dangle Harvester/Felling**
(OLD / OBSOLETE)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	57590-HB	1	☐	CYLINDER, MAIN - TL765 (130mm) 47" Stroke <i>OBSOLETE</i>	
1	TP130100-HB	1	☐	BARREL ASSEMBLY	
2	BB300400-HB	2		BUSHING	
3	-HB	1		NUT, M75-2	
4	TP130110-HB	1		PISTON, BACK	
5	TP130109-HB	1		PISTON, FRONT	
6	TC130117-HB	1		SLEEVE, Cushion	
7	NSS	2		BALL AND SETSCREW	
8	NSS	1		RING, spiral retaining	
9	NSS	1		RING, spiral retaining	
10	TP130108-HB	1		GLAND, head	
11	-HB	17		BOLT, Metric SHCS M16 X 90 (173 FT-LBS)	
12	TP130105-HB	1	☐	ROD ASSEMBLY	
13	BB300400-HB	2		BUSHING	

- SK13009000-HB 1 KIT, seal repair - main boom cylinder 765

☐ Kit or Assembly - includes all items indented underneath.



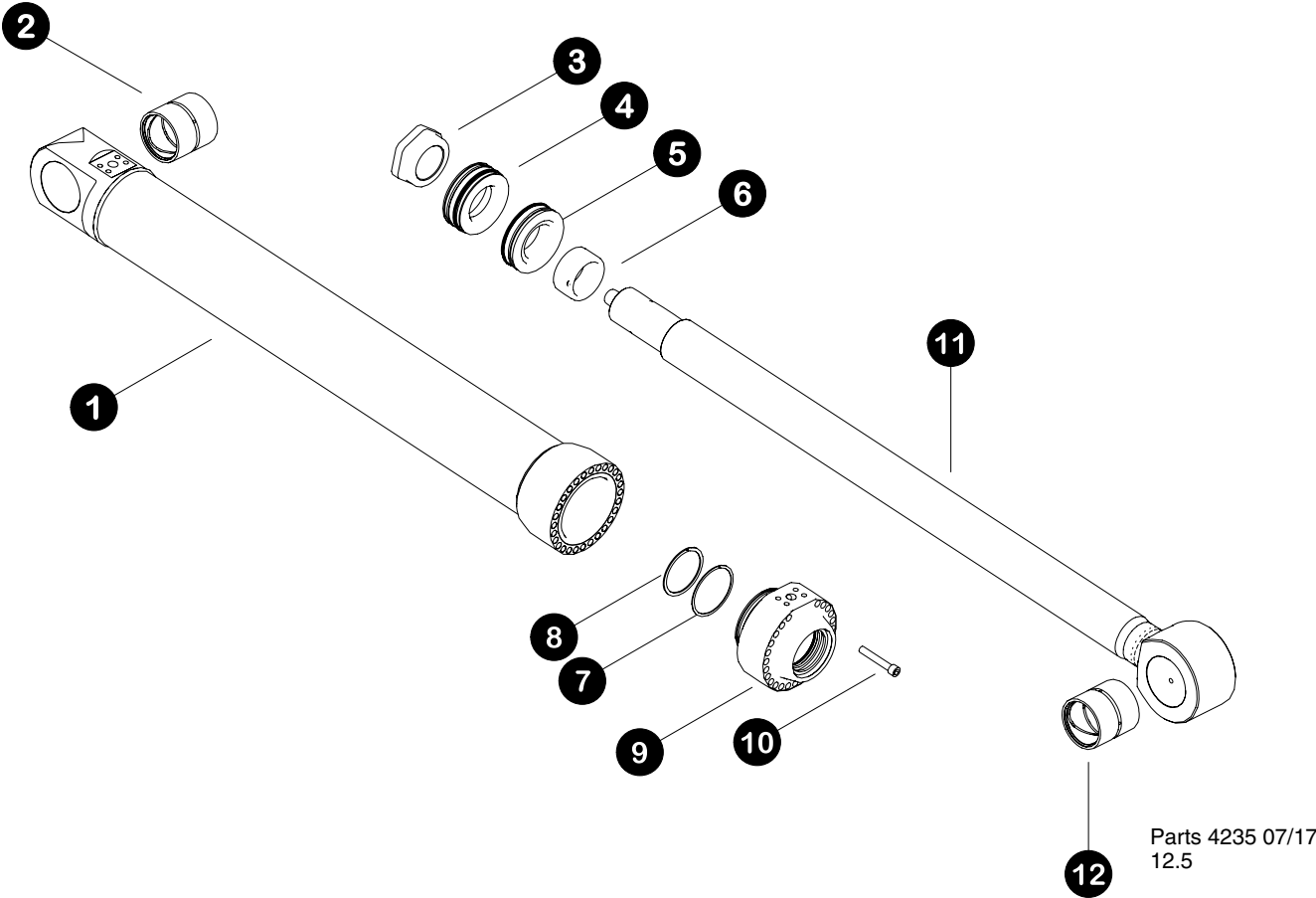
Parts 4229 07/17
12.5

MAIN BOOM (HOIST) CYLINDER**Dangle Harvester/Felling**
(OLD / OBSOLETE)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	57607-HB	1	☐	CYLINDER, MAIN - TL765 (4.5") 47" Stroke <i>OBSOLETE</i>	
1	TP450200-HB	1	☐	BARREL ASSEMBLY	
2	BB300400-HB	2		BUSHING	
3	-HB	1		NUT, M58	
4	TP450110-HB	1		PISTON, BACK	
5	TP450109-HB	1		PISTON, FRONT	
6	TC110217-HB	1		SLEEVE, Cushion	
7	NSS	2		BALL AND SETSCREW	
8	NSS	1		RING, spiral retaining	
9	NSS	1		RING, spiral retaining	
10	TP450108-HB	1		GLAND, head	
11	-HB	17		BOLT, Metric M16 X 90 (173 FT-LBS)	
12	TP450205-HB	1	☐	ROD ASSEMBLY	
13	BB300400-HB	2		BUSHING	

- SK45007500-HB 1 KIT, seal repair - main boom cylinder 765

☐ Kit or Assembly - includes all items indented underneath.

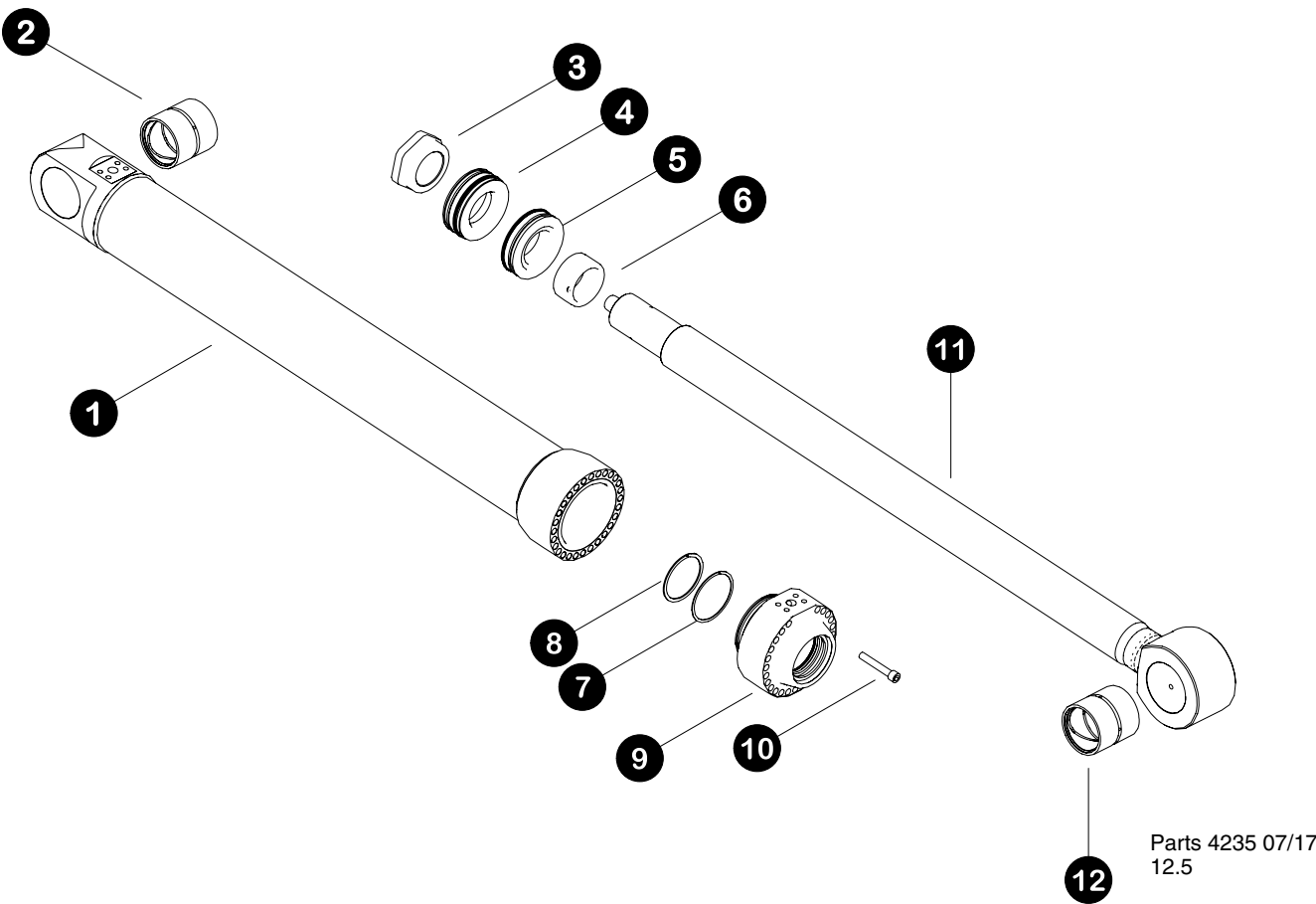


STICK BOOM (JIB) CYLINDER (6.5" Dia) **STANDARD**

(Please Verify Part Number Stamped on Base End of Cylinder Before Ordering Parts)

REF	PART #	QTY		DESCRIPTION	SEE PAGE
-	55464-HB	1	☐	CYLINDER, STICK - TL765 (6.5 INCH DIA) 54" Stroke	
1	TP650100-HB	1	☐	BARREL ASSEMBLY	
2	BB425500 -HB	1		BUSHING	
3	-HB	1		NUT M90	
4	TP650110-HB	1		PISTON, Back	
5	TP650109-HB	1		PISTON, Front	
6	TP650117-HB	1		SLEEVE, Cushon	
7	-HB	1		Int spiral retaining ring	
8	-HB	1		Int spiral retaining ring	
9	TP650108-HB	1		HEAD GLAND	
10	-HB	25		BOLT - M16X100 (173 FT-LBS)	
11	TP650105-HB	1		ROD	
12	BB425500 -HB	1		BUSHING	
-	SK65011000-HB	1		KIT, seal repair - Stick cylinder	

☐ Kit or Assembly - includes all items indented underneath.



STICK BOOM (JIB) CYLINDER (6" Dia) **OPTIONAL**

(Please Verify Part Number Stamped on Base End of Cylinder Before Ordering Parts)

REF	PART #	QTY		DESCRIPTION	SEE PAGE
-	57487-HB	1		CYLINDER, STICK - TL765 (6 INCH DIA) 54" Stroke	
1	TPM150100-HB	1	☐	BARREL ASSEMBLY	
2	BB425500 -HB	1		BUSHING	
3	-HB	1		NUT M90	
4	TPM150110-HB	1		PISTON, Back	
5	TPM150109-HB	1		PISTON, Front	
6	TP650117-HB	1		SLEEVE, Cushon	
7	-HB	1		Int spiral retaining ring	
8	-HB	1		Int spiral retaining ring	
9	TPM150108-HB	1		HEAD GLAND	
10	-HB	25		BOLT - M16X100 (173 FT-LBS)	
11	TP650105-HB	1		ROD	
12	BB425500 -HB	1		BUSHING	
-	SKM15011000-HB	1		KIT, seal repair - Stick cylinder	

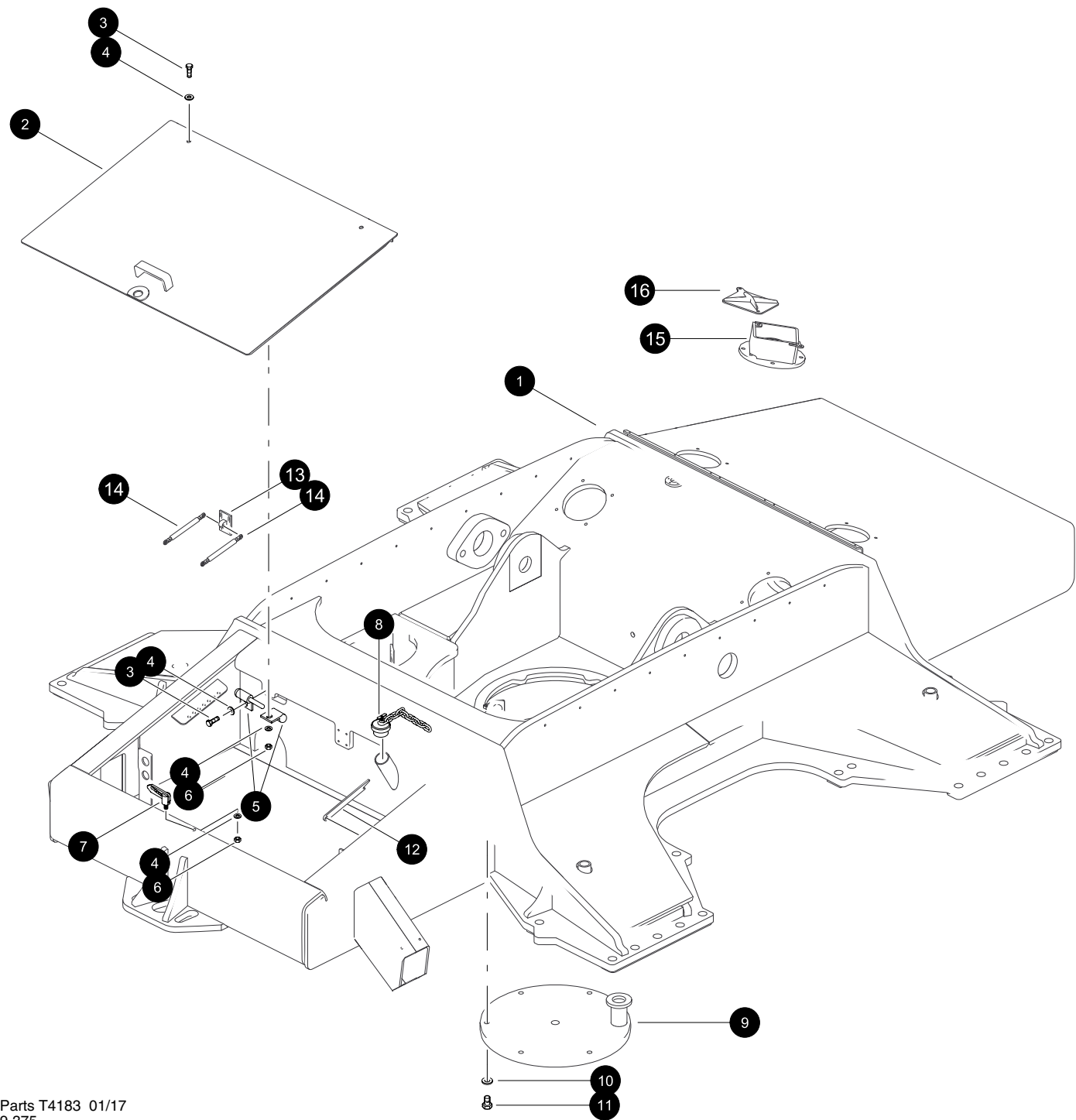
☐ Kit or Assembly - includes all items indented underneath.

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Section LV-1

Leveling Track Frame - Frame and Covers TL765C

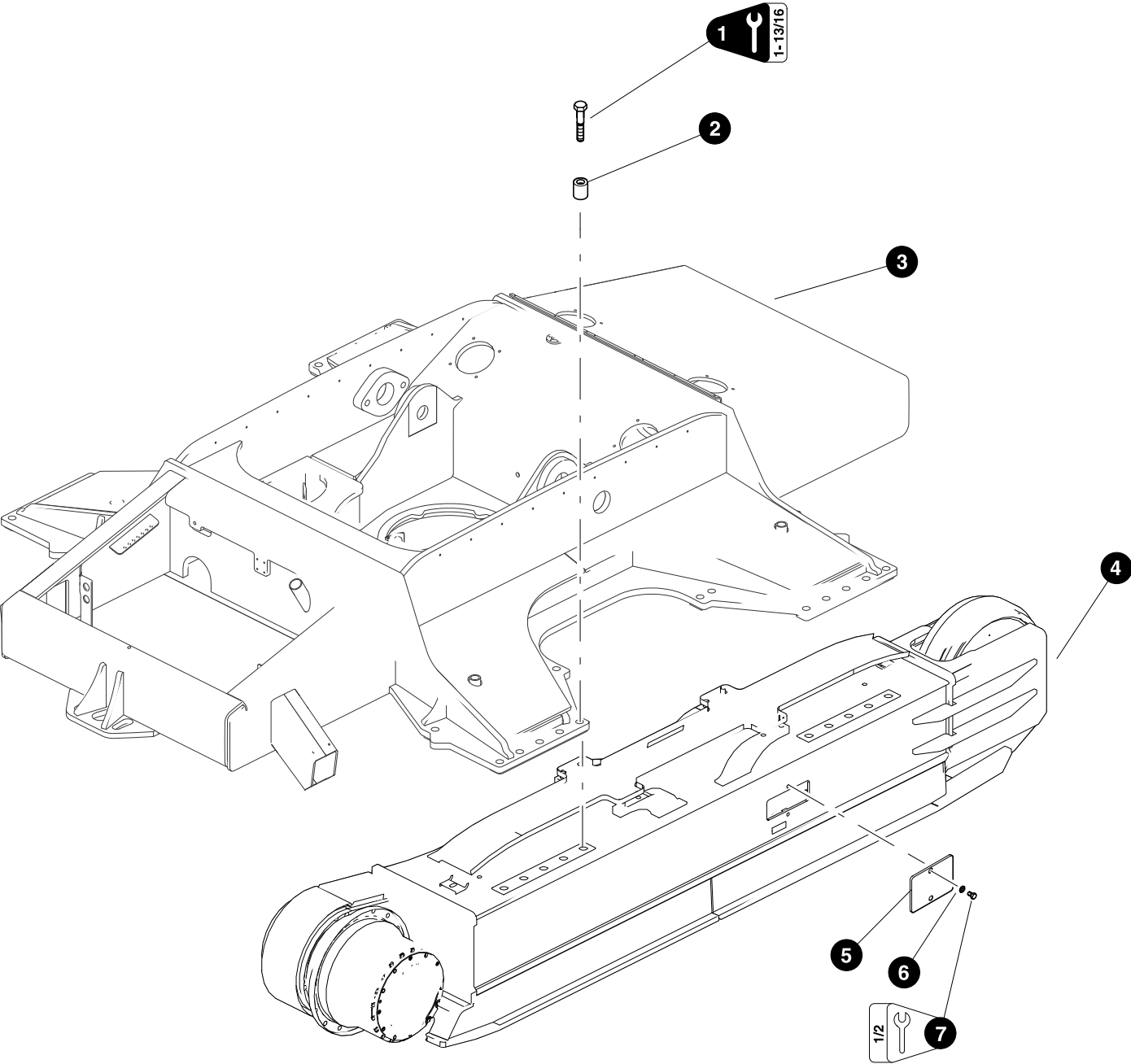


Parts T4183 01/17
9.375

Frame and Covers (General)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	48150-LV	1		WELDMENT, TL765 CAR BODY COMPLETE	
2	54057-LV	2		LID, TRUNK LEVELING 765	
3	10783-LV	4		BOLT - 1/2" x 1"	
4	15534-LV	7		WASHER, SAE flat - 1/2"	
5	53671-LV	1		HINGE, ASSEMBLY-LEV T/M TRUNK L.H.	
6	10815-LV	3		NUT, LOCK - .5"	
7	19771-LV	1		LATCH, CAM - SHORT (PUMP GUARD)	
8	53728-LV	1		CAP, EXPANDABLE - AUX OIL TANK (TRACK)	
9	43285-LV	1		PLATE, COVER BOTTOM (following parts listed below need to fitted and welded after installtion)	
-	43290-LV	1		SHAFT, COVER PIVOT	
-	12021-LV	1		WASHER, PIVOT STOP	
10	15502-LV	5		BOLT - .625" X 1.5"	
11	10771-LV	5		WASHER, SAE FLAT - .625"	
12	54060-LV	1		ROD, PROP - LEVELING TRUNK-CURRENT	
13	54059-LV	1		BRACKET, TRUNK GAS SPRING	
14	54104-LV	2		SHOCK, GAS - TRUNK LID	
15	47605-LV	1	☐	COVER, LOCKING FUEL TANK	
-	47613-LV	1		COVER, FUEL FILL	
16	47610-LV	1		COVER, LOCK FUEL	

☐ Kit or Assembly - includes all items indented underneath.



Parts T4185 01/17
9.375

Frame Installation

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	53139-LV	24		BOLT - 30MM-3.5 X 140MM 12.9 (Torque to 1000 ft lbs - 1355 Nm)	
2	12464-LV	24		SPACER, BOLT - CARBODY	
3	REF.	1		FRONT FRAME WELDMENT.	LV-1
4	REF.	1		TRACK FRAME ASSEMBLY	TS
5	272-5539	2		COVER, Track Frame	
6	15534-LV	4		WASHER, SAE FLAT - .5"	
7	15551-LV	4		BOLT - 12MM-1.75P X 40MM	



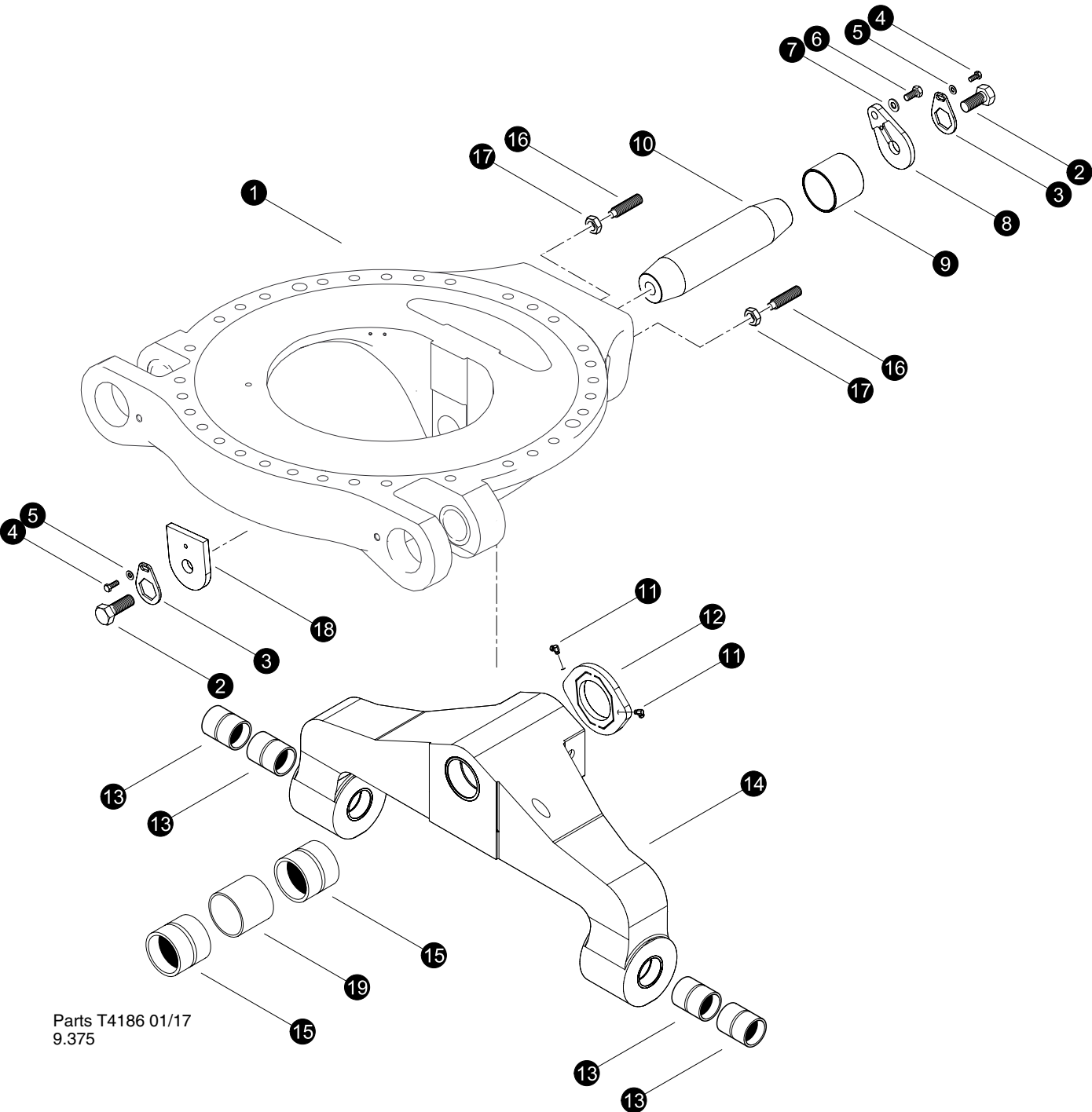
See referenced page for component or assembly breakdown.

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Section LV-2

Leveling Track Frame - Leveling Components 765

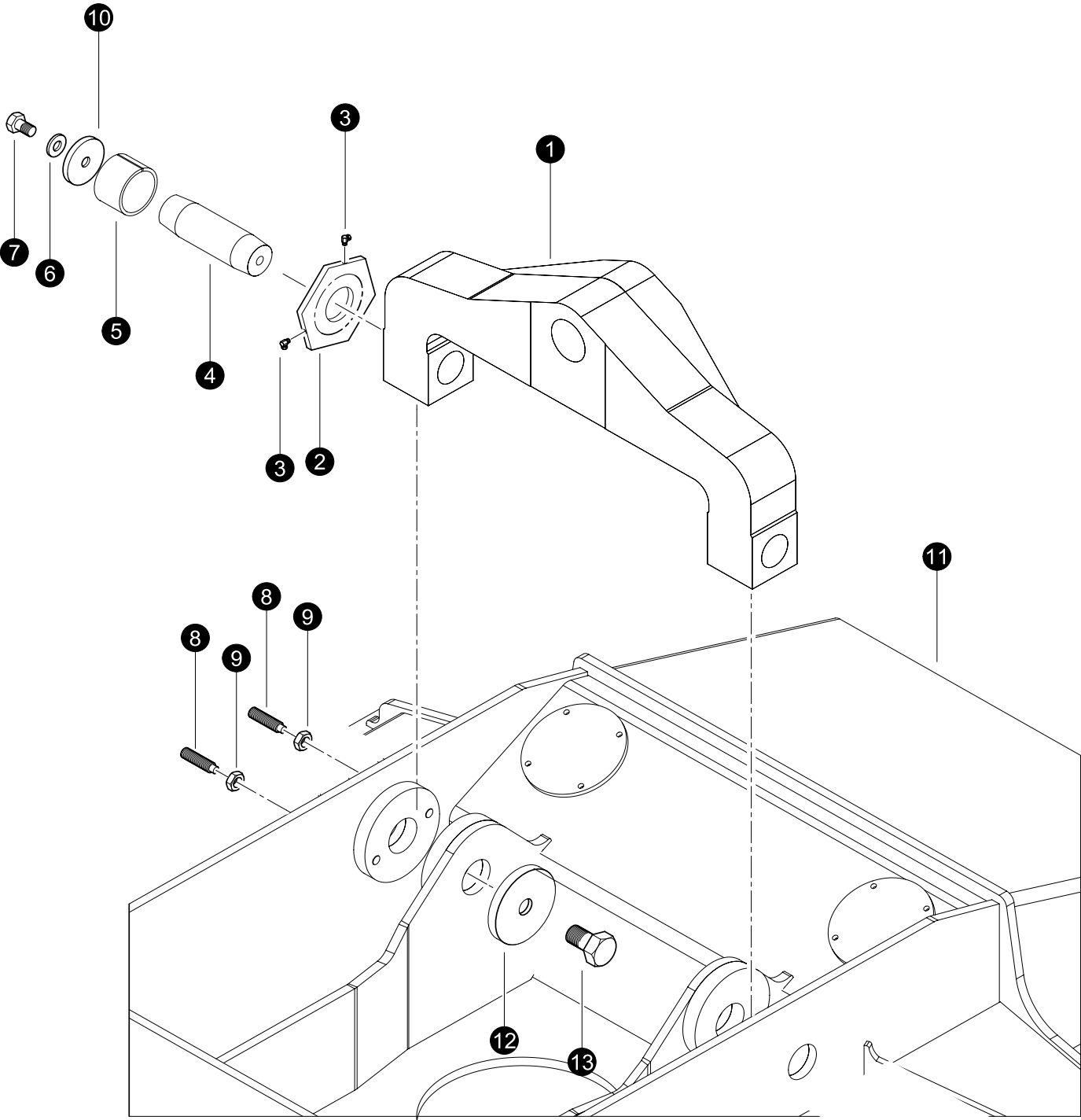


Parts T4186 01/17
9.375

Leveling Components (General)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	46683-LV	1	CASTING, MACHINED LOWER TURNTABLE - 765	
2	53104-LV	2	BOLT - 1.5-6NC" X 3"	
3	43740-LV	2	PIN LOCK, 2.25 HEX	
4	10783-LV	2	BOLT - .5" X 1"	
5	15534-LV	2	WASHER, SAE FLAT - .5"	
6	10839-LV	1	BOLT - .75" X 1.5"	
7	15550-LV	1	WASHER, SAE FLAT - .75"	
8	43742-LV	1	EAR, PIN LOCK BASE	
9	52559-LV	1	HUB, TAPER - 4.50"x 10 DEG	
10	53853-LV	1	PIN - 4.5" X 19.62" DBL TAPERED THD. +3"	
11	15657-LV	2	ELBOW, 90 SWIVEL - 1501-2-2	
12	52589-LV	1	PLATE, SLACK ADJUSTMENT FRONT	
13	48167-LV	4	BUSHING, 4.00" OD X 3.50" ID X 3.0" L	
14	48169-LV	1	CASTING, YOKE SUB ASSY - TL765	
15	52523-LV	2	BUSHING - 5.0" X 4.5" X 4.25"	
16	53714-LV	2	SCREW, SET - 1" X 4.38" CHAMFERED END	
17	15671-LV	2	NUT, JAM - 1"	
18	43741-LV	1	EAR, .75 THICK	
19	54532-LV	1	SPACER,	

☐ Kit or Assembly - includes all items indented underneath.



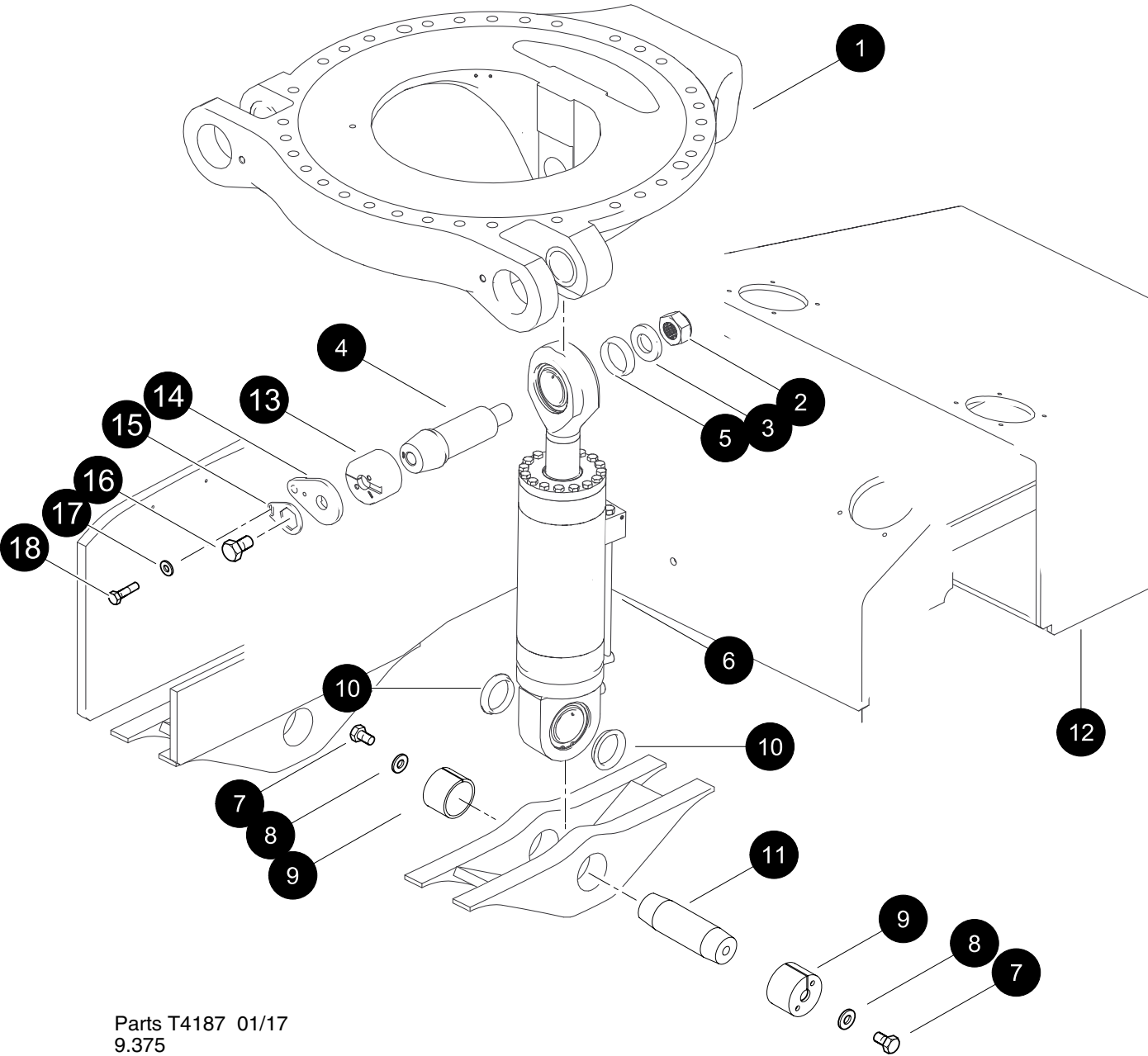
Parts T3896 0512
9.375

Leveling Yoke Installation

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		LEVELING YOKE	LV-2
2	48159-LV	1		PLATE, SLACK ADJUSTER 765 SIDE	
3	15657-LV	2		ELBOW, 90 SWIVEL - 1501-2-2	
4	48194-LV	2		PIN, 3.50" X 11.44" DOUBLE TAPER 10 DEG	
5	48157-LV	2		HUB, TAPER 3.5" - 10 DEG.	
6	-LV	2		WASHER, 1"	
7	10733-LV	2		BOLT - 1" X 3"	
8	53714-LV	2		SCREW, SET - 1" X 4.38" CHAMFERED END	
9	15671-LV	2		NUT, JAM - 1"	
10	52638-LV	2		WASHER, BURNED - 1 1/16" X 3" x 1/2"	
11	REF.	1		LEVELING TRACK CARBODY	LV-1
12	53764-LV	1		WASHER, Burned	
13	15552-LV	2		BOLT - 1" X 2.5"	



See referenced page for component or assembly breakdown.



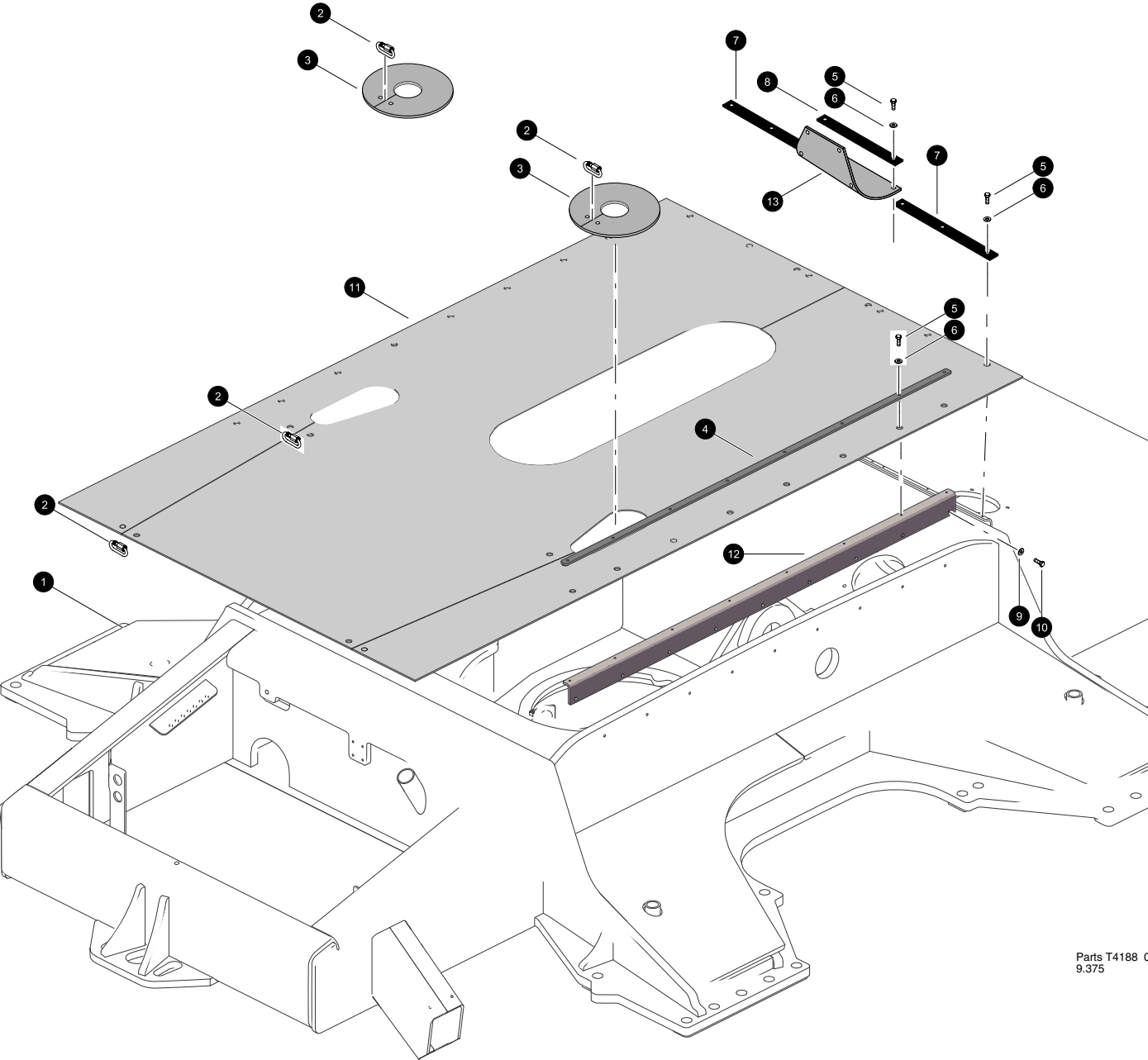
Parts T4187 01/17
9.375

Leveling Cylinder Installation

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		LOWER TURNTABLE	LV-2
2	10728-LV	2		NUT, nylock - 2"	
3	12021-LV	2		WASHER, burned	
4	46681-LV	2		PIN, PIVOT 3.75" X 1.00" - LEVEL CYL.	
5	46682-LV	4		SPACER, 3.25" X 1.00" - LEVEL CYL.	
6	REF.	2		LEVEL CYLINDER	LV-3
7	15552-LV	4		BOLT - 1" X 2.5"	
8	12021-LV	2		WASHER, burned	
9	48157-LV	4		HUB, TAPER 3.5" - 10 DEG.	
10	48160-LV	4		SPACER, 3.50" X .875" - LEVEL CYL.	
11	48194-LV	2		PIN, 3.50" X 11.44" DOUBLE TAPER 10 DEG.	
12	REF.	1		LEVELING TRACK CARBODY	LV-1
13	52559-LV	2		HUB, TAPER - 4.50"x 10 DEG	
14	43742-LV	2		EAR, PIN LOCK BASE	
15	43740-LV	2		PIN LOCK, 2.25 HEX	
16	54531-LV	2		BOLT - 1.5-6NC" X 2.5" - LEVELING PIN	
17	15550-LV	2		WASHER, SAE FLAT - .75"	
18	10839-LV	2		BOLT - .75" X 1.5"	



See referenced page for component or assembly breakdown.



Parts T4188 0
9.375

Debris Shield Installation

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		FRONT FRAME WELDMENT	LV-1
2	18578-LV	4		LINK, QUICK - BEARING AREA DEFLECTOR	
3	53663-LV	2		SKIRTING, LEVELING CYLINDER	
4	48379-LV	2		BAR, RETAINER SKIRTING SIDE	
5	15604-LV	24		BOLT - .25" X .75"	
6	10757-LV	24		WASHER, SAE FLAT - .25"	
7	53234-LV	2		BAR, RETAINER SKIRTING FRONT ENDS	
8	53259-LV	1		BAR, RETAINER SKIRTING FRONT CENTER	
9	15528-LV	18		WASHER, SAE FLAT - .375"	
10	15542-LV	18		BOLT - .375" X .75"	
11	48395-LV	1		SKIRTING, LEVELING CARBODY - TAIL	
12	48378-LV	1		ATTACHMENT, SKIRTING SIDE - 765	



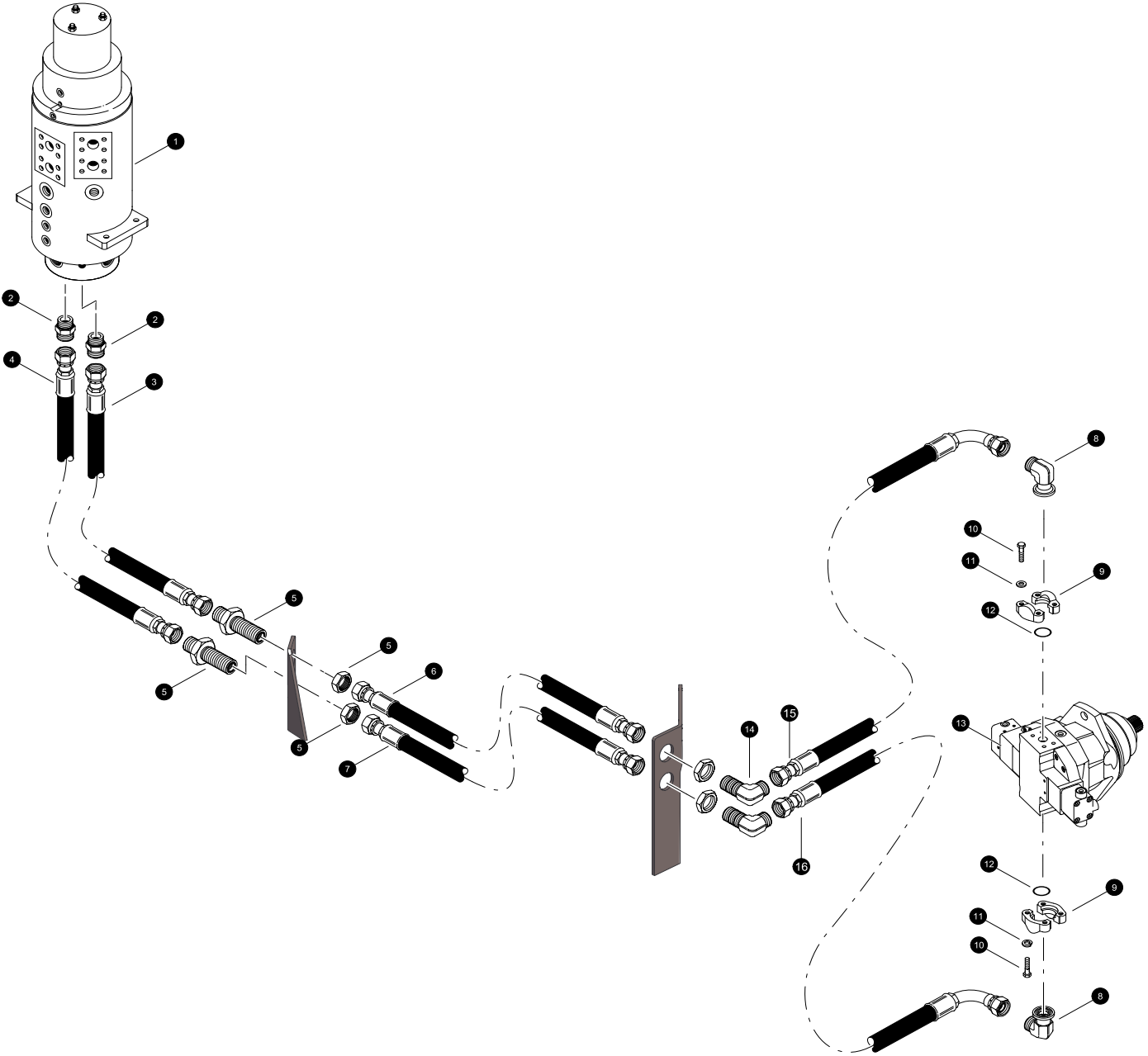
See referenced page for component or assembly breakdown.

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Section LV-3

Leveling Frame - Hydraulics



Parts T4191 01/17
18.75

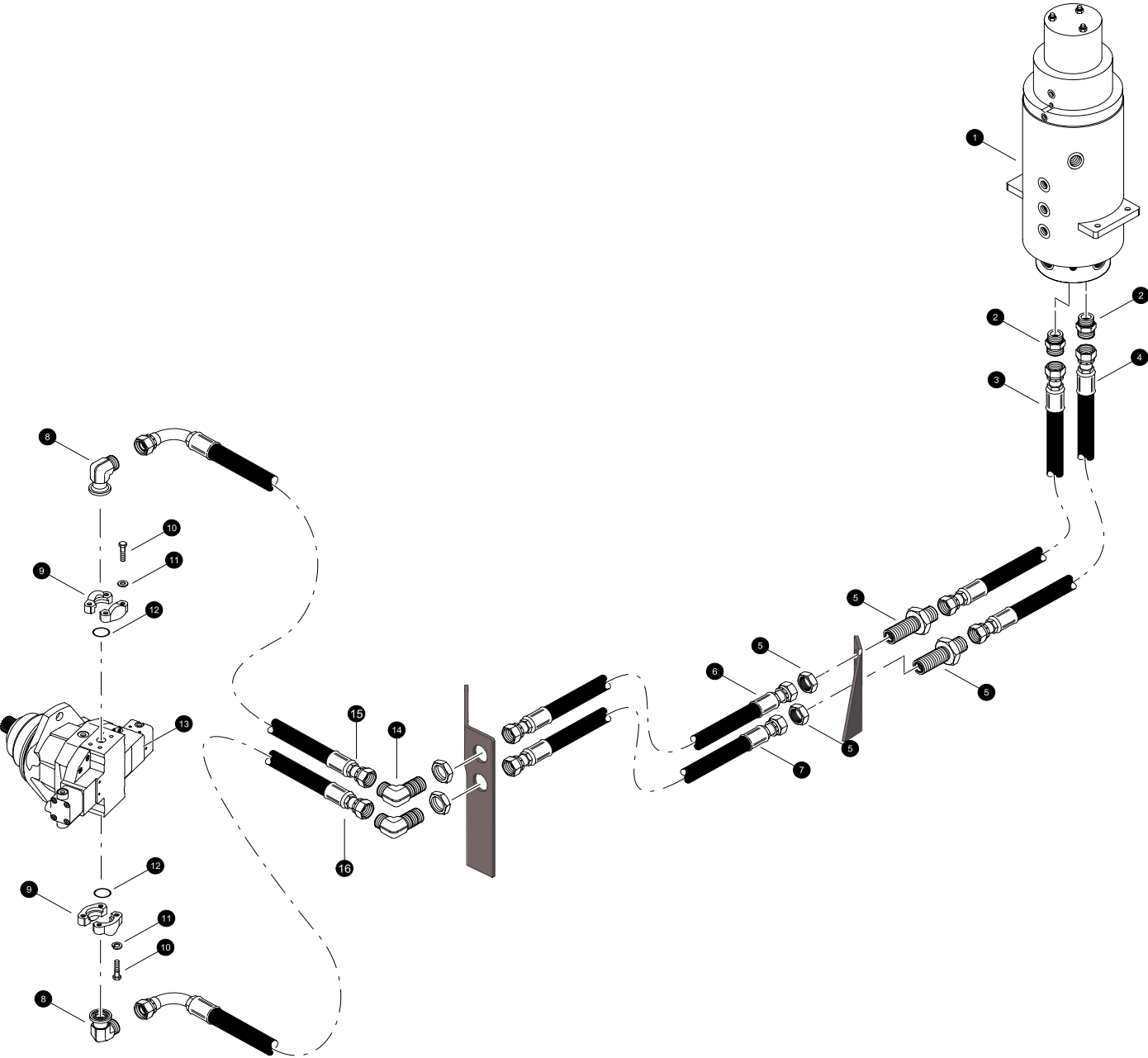
RIGHT DRIVE MOTOR LINES

(Rotary Manifold to Right Drive Motor)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTARY MANIFOLD	UP-1
2	15225-LV	2		CONNECTOR, STR - FF1852T-1616S	
3	-LV	1		HOSE ASSEMBLY - 6049-16-160S-160S (bulkhead to rotary manifold #11)	
4	-LV	1		HOSE ASSEMBLY - 6051-16-160S-160S (bulkhead to rotary manifold #9)	
5	20033-LV	2		CONNECTOR, STR BULKHEAD - 16	
6	-LV	1		HOSE ASSEMBLY - 6046-16-160S-160S (bulkhead to bulkhead)	
7	-LV	1		HOSE ASSEMBLY - 6046-16-160S-160S (bulkhead to bulkhead)	
8	15103-LV	2		ADAPTER, 90 FLANGE - FF5540-1616S	
9	15113-LV	2		KIT, SPLIT FLANGE - 1" (CODE 62)	
10	15551-LV	4		BOLT - 12MM-1.75P X 40MM	
	18735-LV	4		WASHER, FLAT - 12MM	
11	15551-LV	4		BOLT - 12MM-1.75P X 40MM	
12	15377-LV	2		O-RING - 1" SF (CODE 61/62)	
13	REF	1		TRACK DRIVE MOTOR	TS
14	-LV	2		FITTING, BULKHEAD 90 - 16	
15	-LV	1		HOSE ASSEMBLY - 6022.5-16-160S-1609 AG (bulkhead to motor)	
16	-LV	1		HOSE ASSEMBLY - 6031-16-160S-1609 AG (bulkhead to motor)	



See referenced page for component or assembly breakdown.



Parts T4190 01/17
18.75

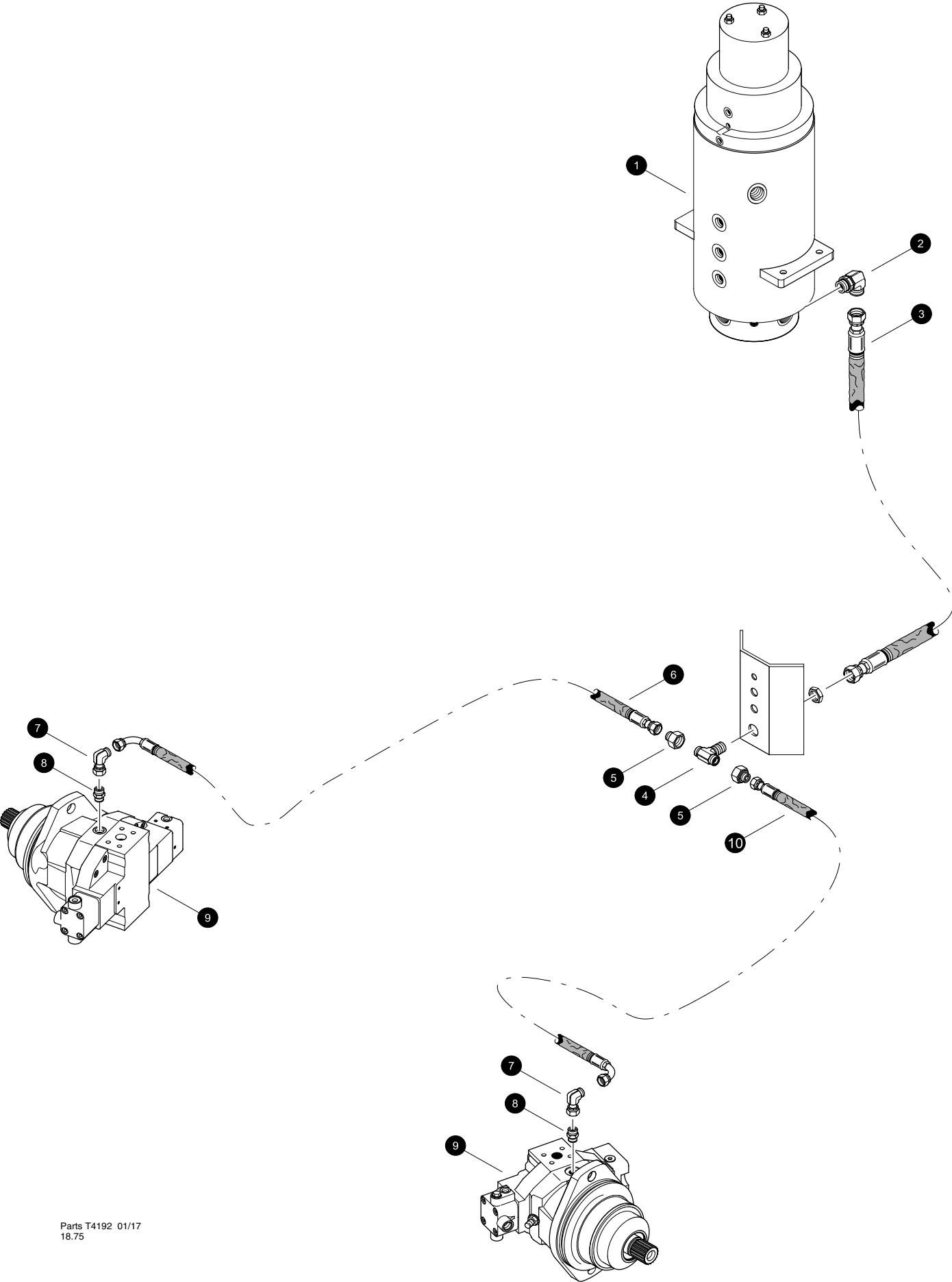
LEFT DRIVE MOTOR LINES

(Rotary Manifold to Left Drive Motor)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTARY MANIFOLD	UP-1
2	15225-LV	2		CONNECTOR, STR - FF1852T-1616S	
3	-LV	1		HOSE ASSEMBLY - 6049-16-160S-160S (bulkhead to rotary manifold #10)	
4	-LV	1		HOSE ASSEMBLY - 6051-16-160S-160S (bulkhead to rotary manifold #12)	
5	20033-LV	2		CONNECTOR, STR BULKHEAD - 16	
6	-LV	1		HOSE ASSEMBLY - 6046-16-160S-160S (bulkhead to bulkhead)	
7	-LV	1		HOSE ASSEMBLY - 6046-16-160S-160S (bulkhead to bulkhead)	
8	15103-LV	2		ADAPTER, 90 FLANGE - FF5540-1616S	
9	15113-LV	2		KIT, SPLIT FLANGE - 1" (CODE 62)	
10	15551-LV	4		BOLT - 12MM-1.75P X 40MM	
	18735-LV	4		WASHER, FLAT - 12MM	
11	15551-LV	4		BOLT - 12MM-1.75P X 40MM	
12	15377-LV	2		O-RING - 1" SF (CODE 61/62)	
13	REF	1		TRACK DRIVE MOTOR	TS
14	-LV	2		FITTING, BULKHEAD 90 - 16	
15	-LV	1		HOSE ASSEMBLY - 6022.5-16-160S-1609 AG (bulkhead to motor)	
16	-LV	1		HOSE ASSEMBLY - 6031-16-160S-1609 AG (bulkhead to motor)	



See referenced page for component or assembly breakdown.



Parts T4192 01/17
18.75

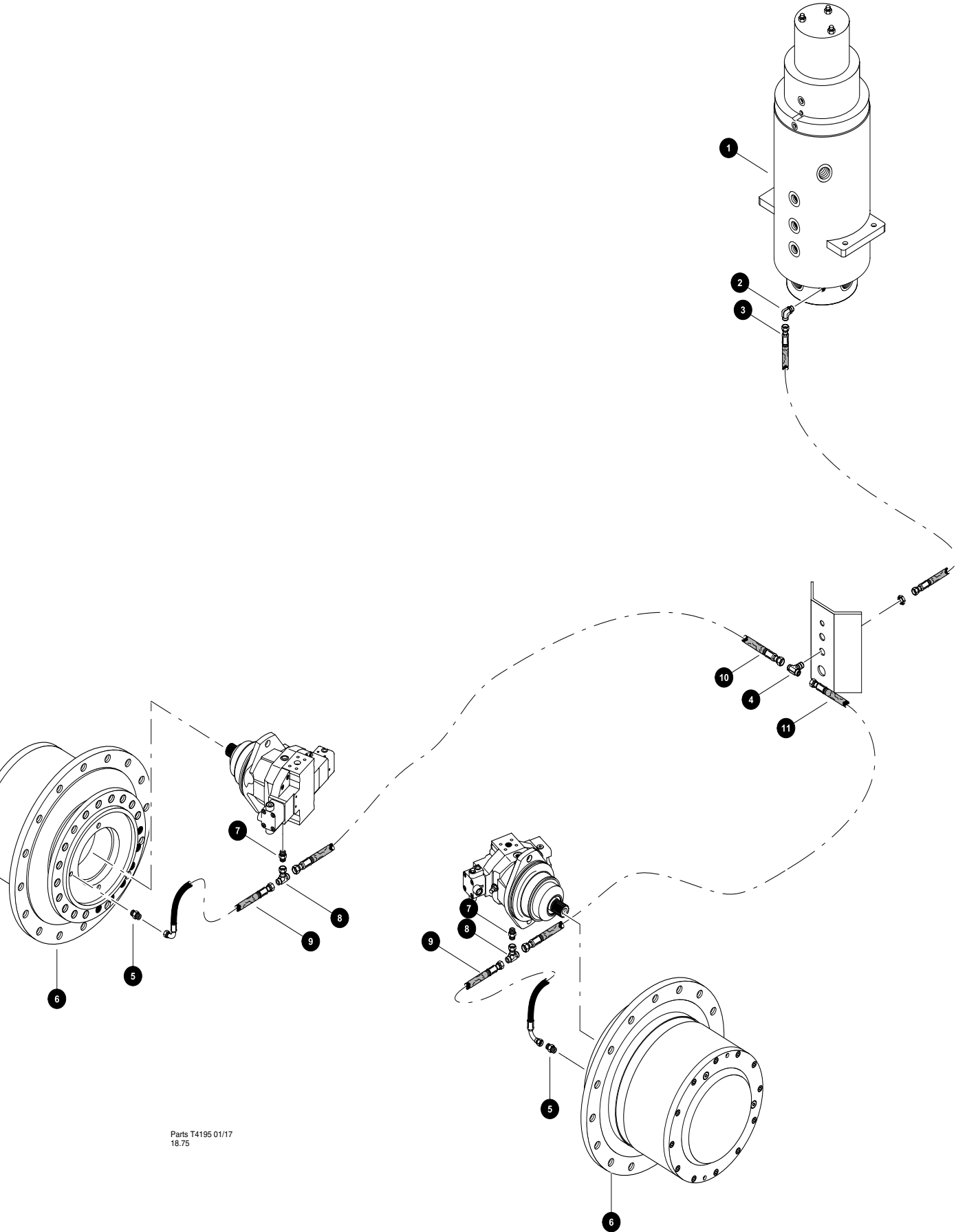
MOTOR CASE DRAIN

(Rotary Manifold to Drive Motor Case Drains)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTARY MANIFOLD	UP-1
2	17688-LV	1		ELBOW, 90 - FF1868T-1212S	
3	-LV	1		HOSE ASSEMBLY - 2061-12-120S-120S-W (bulkhead tee to rotary manifold port V2)	
4	22716-LV	1		TEE, BULKHEAD - 2703-12 (BRANCH)	
5	18581-LV	2		CONNECTOR, REDUCER - ORS FF2281T-0812S	
6	-LV	1		HOSE ASSEMBLY - 2078-08-080S-0809-W (bulkhead tee to bulkhead)	
7	16297-LV	2		ELBOW, 90 SWIVEL - FF2098T-0808S	
8	52439-LV	2		CONNECTOR, MALE ISO 6149	
9	REF	2		TRACK DRIVE MOTOR	TS
10	-LV	1		HOSE ASSEMBLY - 2078-08-080S-0809-W (bulkhead tee to bulkhead)	



See referenced page for component or assembly breakdown.



Parts T4195 01/17
18.75

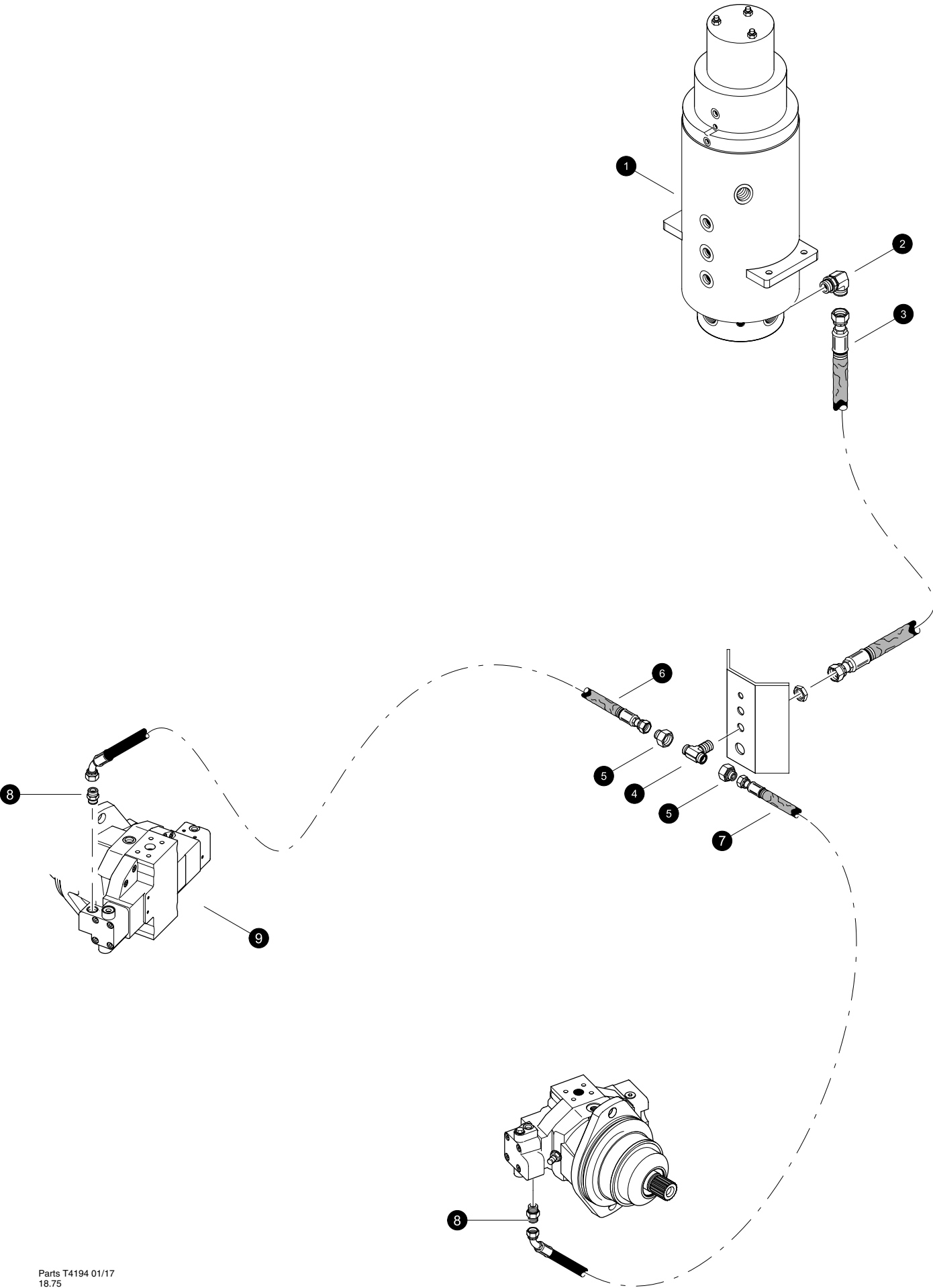
PARKING BRAKE

(Rotary Manifold to Track Parking Brake)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTARY MANIFOLD	UP-1
2	16296-LV	1		ELBOW, 90 - FF1868T-0606S	
3	-LV	1		HOSE ASSEMBLY - 2061-06-060S-060S-W (bulkhead tee to rotary manifold port 1)	
4	52902-LV	1		BULKHEAD, BRANCH TEE - 6	
5	53124-LV	2		FITTING, MALE CONNECTOR ISO 6149	
6	REF	2		TRACK DRIVE MOTOR	TS
7	54795-LV	2		CONNECTOR, STR ORIFICED .04" TRACK MOTOR	
8	52900-LV	2		SWIVEL, NUT BRANCH TEE #6	
9	-LV	1		HOSE ASSEMBLY - 2012-06-060S-0604 (tee to left brake)	
9	-LV	1		HOSE ASSEMBLY - 2020-06-060S-0604 (tee to right brake)	
10	-LV	1		HOSE ASSEMBLY - 2091-06-060S-060S (tee to bulkhead)	
11	-LV	1		HOSE ASSEMBLY - 2091-06-060S-060S (tee to bulkhead)	



See referenced page for component or assembly breakdown.



Parts T4194 01/17
18.75

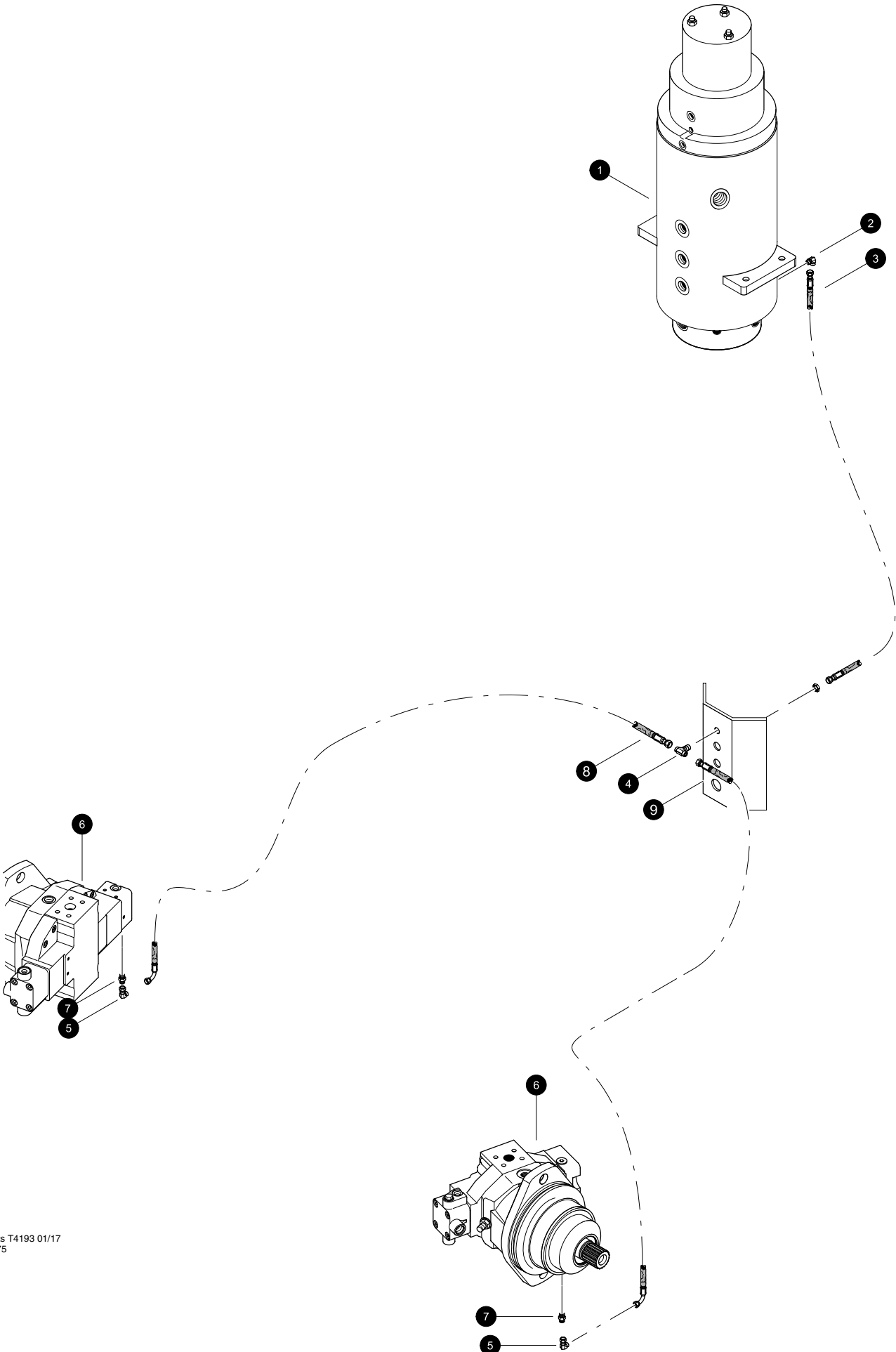
Motor Flushing Return

(Rotary Manifold to Track Motor Flushing Return)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTARY MANIFOLD	UP-1
2	17688-LV	1		ELBOW, 90 - FF1868T-1212S	
3	-LV	1		HOSE ASSEMBLY - 2061-12-120S-120S-W (bulkhead tee to rotary manifold port 7)	
4	22716-LV	1		TEE, BULKHEAD - 2703-12 (BRANCH)	
5	18581-LV	2		CONNECTOR, REDUCER - ORS FF2281T-0812S	
6	-LV	1		HOSE ASSEMBLY - 2095-08-080S-0804-W (bulkhead tee to track motor)	
7	-LV	1		HOSE ASSEMBLY - 2095-08-080S-0804-W (bulkhead tee to track motor)	
8	3651-LV	2		FITTING, FLUSHING ORIFICE - TRACK MOTOR	
9	REF	2		TRACK DRIVE MOTOR	TS



See referenced page for component or assembly breakdown.



Parts T4193 01/17
18.75

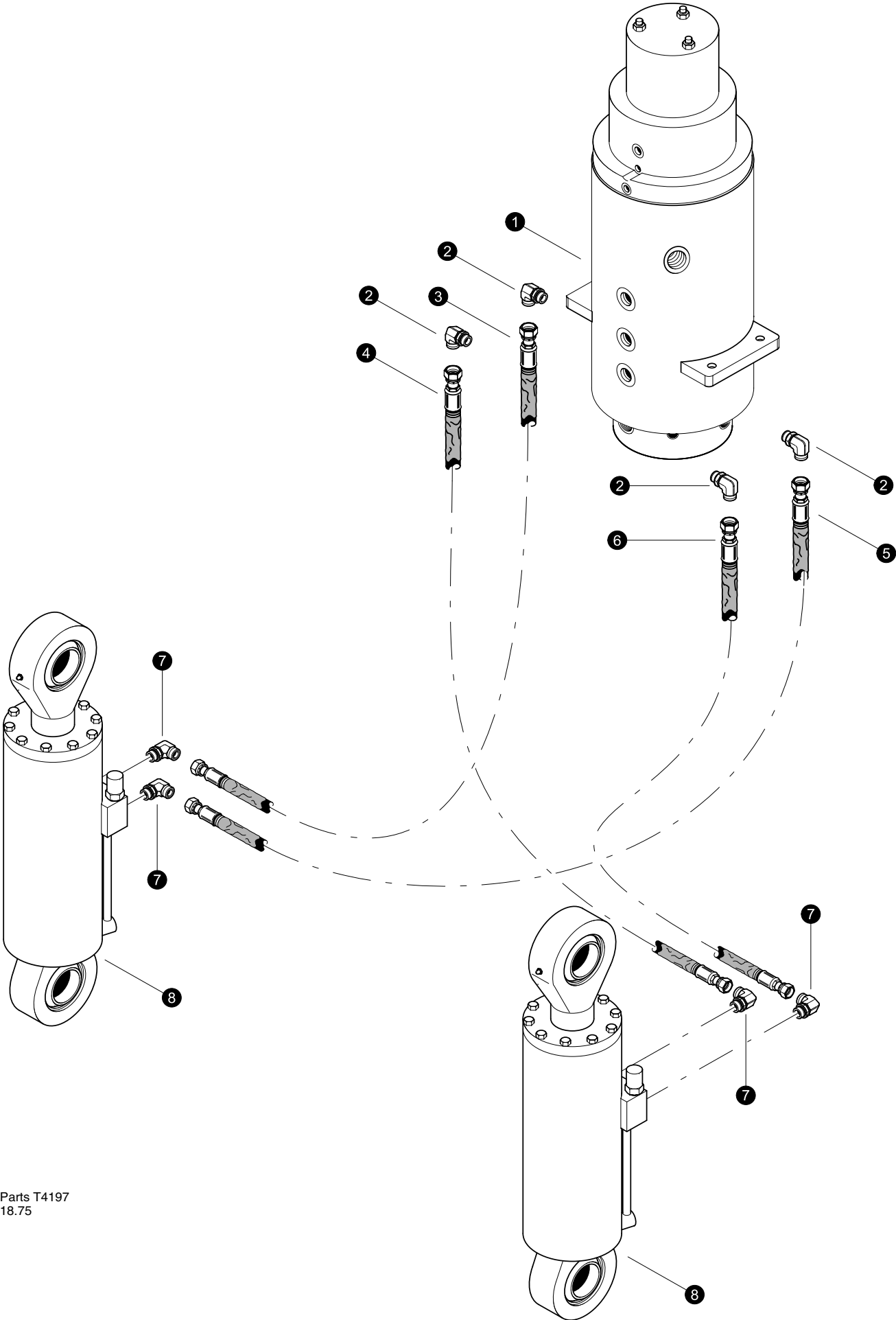
Track Motor Shift

(Rotary Manifold to Track Motor Shift)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTARY MANIFOLD	UP-1
2	16540-LV	1		ELBOW, 90 - FF1868T-0404S	
3	-LV	1		HOSE ASSEMBLY - 2051-04-040S-040S-W (bulkhead tee to rotary manifold port 3)	
4	52901-LV	1		BULKHEAD, BRANCH TEE - 4	
5	15145-LV	2		ELBOW, 90 SWIVEL - FF2098T-0404S	
6	REF	2		TRACK DRIVE MOTOR	TS
7	53157-LV	2		FITTING, CONNECTOR - #4 ORF - 14MM	
8	-LV	1		HOSE ASSEMBLY - 2084-04-040S-0409-W (bulkhead tee to track motor)	
9	-LV	1		HOSE ASSEMBLY - 2084-04-040S-0409-W (bulkhead tee to track motor)	



See referenced page for component or assembly breakdown.



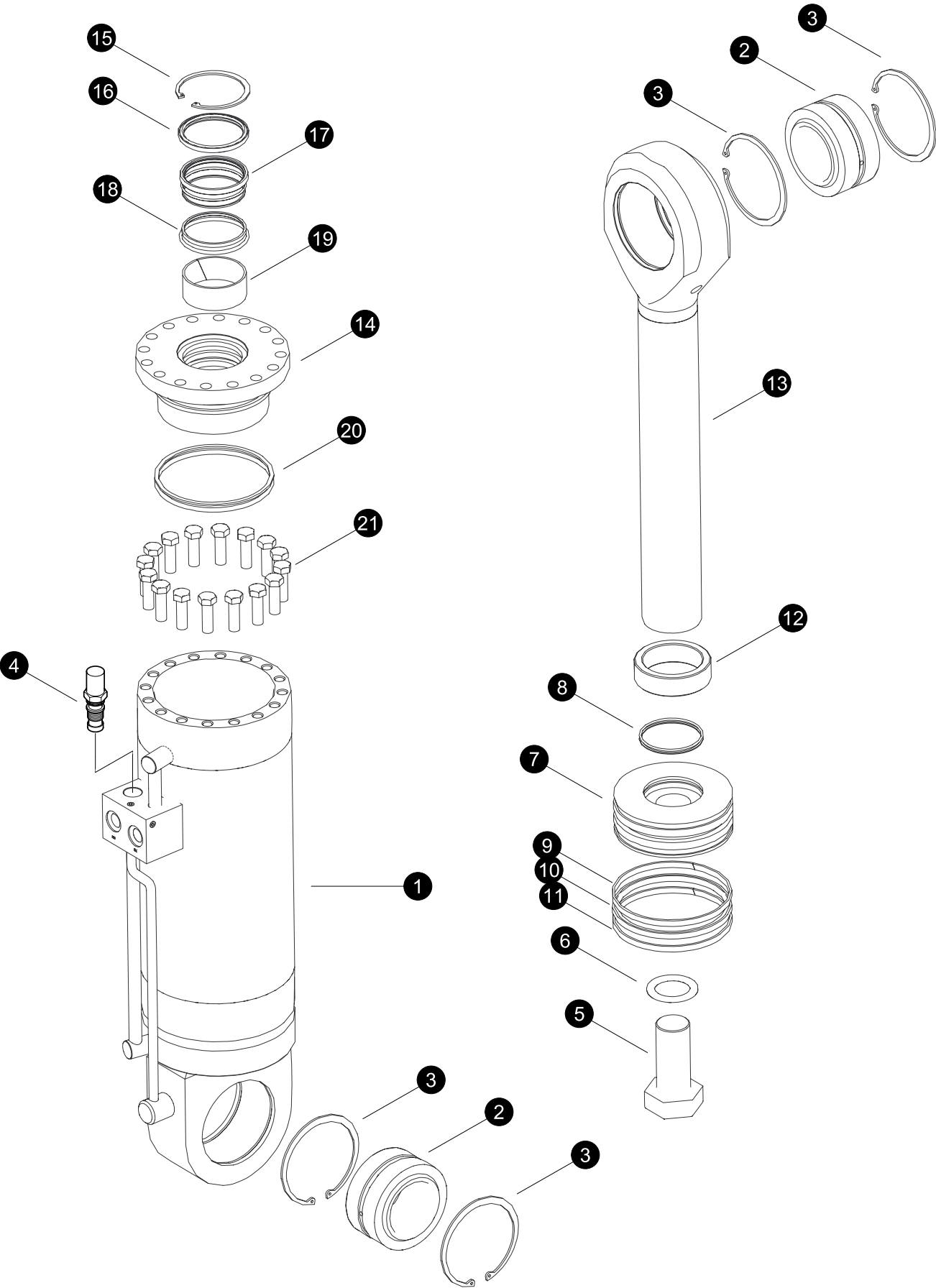
Parts T4197
18.75

LEVELING HYDRAULICS (Leveling Manifold to Leveling Cylinders)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTORY MANIFOLD	UP-1
2	16360-LV	4		ELBOW, 90 - FF1868T-0808S	
3	-LV	1		HOSE ASSEMBLY - 4043-08-080S-080S-W (rotary manifold #2 to left cylinder rod)	
4	-LV	1		HOSE ASSEMBLY - 4043-08-080S-080S-W (rotary manifold #6 to right cylinder rod)	
5	-LV	1		HOSE ASSEMBLY - 4043-08-080S-080S-W (rotary manifold #4 to left cylinder base)	
6	-LV	1		HOSE ASSEMBLY - 4043-08-080S-080S-W (rotary manifold #5 to right cylinder base)	
7	15154-LV	4		ELBOW, 90 - FF1868T-0810S	
8	REF	2		LEVELING CYLINDER	LV-3



See referenced page for component or assembly breakdown.



LEVELING CYLINDER BREAKDOWN

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	55402-LV	2	☐	CYLINDER, LEVELING - TL765 (7 INCH)	
-	57646-LV	2		CYLINDER, LEVELING - TL755 (7 INCH)	
1	204100B	1	☐	BARREL ASSEMBLY	
2	54105-LV	2		BUSHING, spherical- 3.25"	
3	716030A	4		RING, snap - 3" spherical bushing	
4	57706-LV	2		CARTRIDGE, LEVEL CYLINDER	
5	711181A	1		BOLT, cylinder rod - 2" x 4-1/4" (2700 +/- 200 ft.lbs. (3600 +/- 265 Nm)) (711181A)	
6	718032A	1		WASHER, 2"	
7	401021B	1	☐	PISTON ASSY	
8	NSS	1	◆	O-RING	
8	NSS	1	◆	RING, BACKUP	
9	NSS	1	◆	RING, piston wear	
10	NSS	1	◆	O-RING, piston	
10	NSS	1	◆	SEAL, piston	
11	NSS	1	◆	RING, piston wear	
12	320791B	1		STROKE LIMITER - 765 ONLY	
13	302765B	1		ROD ASSEMBLY (includes items 2 and 3)	
14	501082B	1	☐	BEARING, assembly	
15	NSS	1	◆	RING, snap WIPER, rod	
16	NSS	1	◆	SEAL, Dust	
17	NSS	1	◆	RING, rod bearing back-up	
18	NSS	1	◆	U-CUP, rod bearing	
19	NSS	1	◆	RING, rod bearing wear	
20	NSS	1	◆	O-RING and Backup Ring	
21	711034A	16		BOLT - 5/8" x 2-1/4" (175ft.lbs (233 Nm)) (711034A)	

☐ Kit or Assembly - includes all items indented underneath.

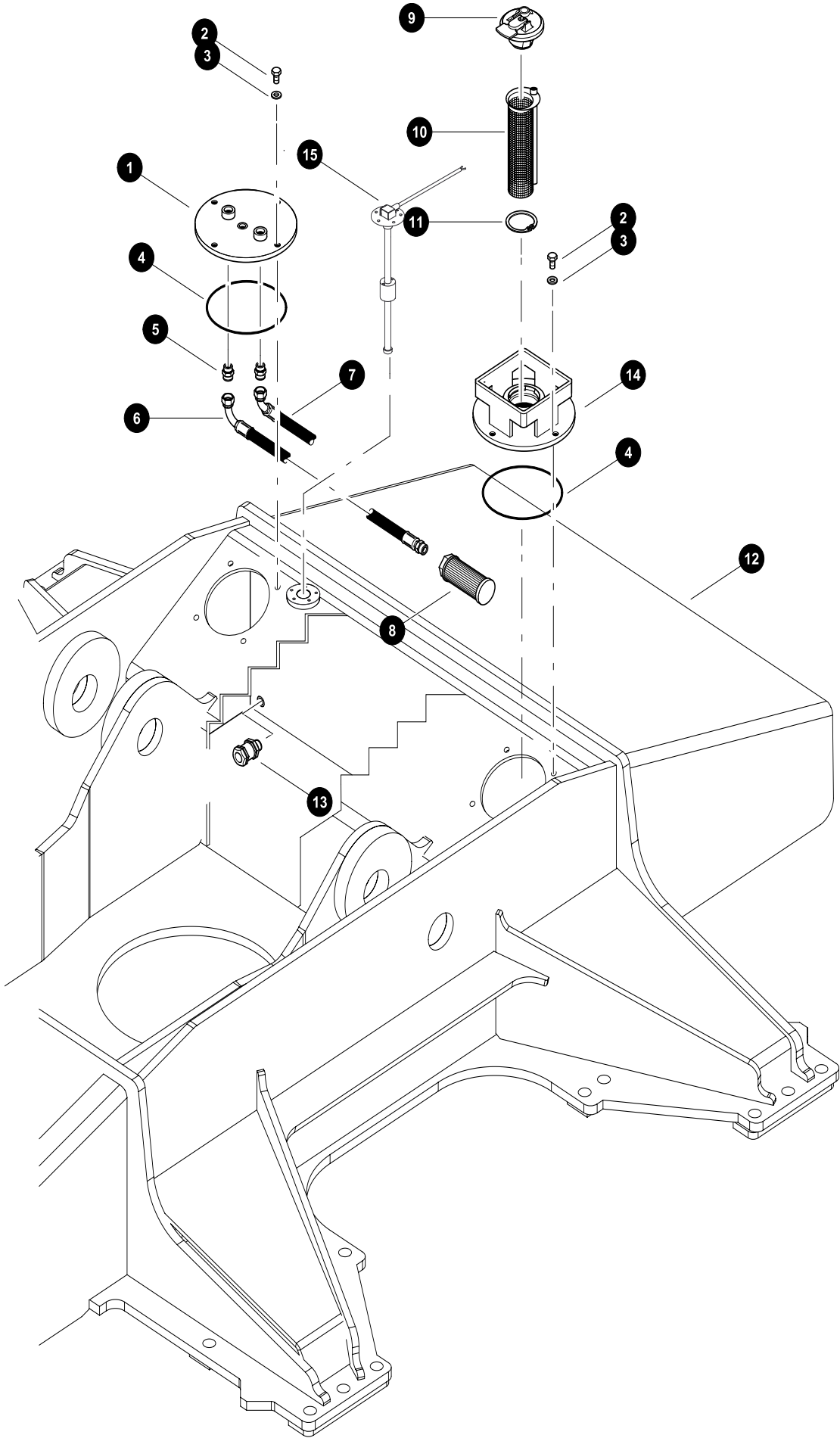
◆ Included in seal repair kit Part #57679

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Section LV-4

Leveling Frame - Fuel Tank Components



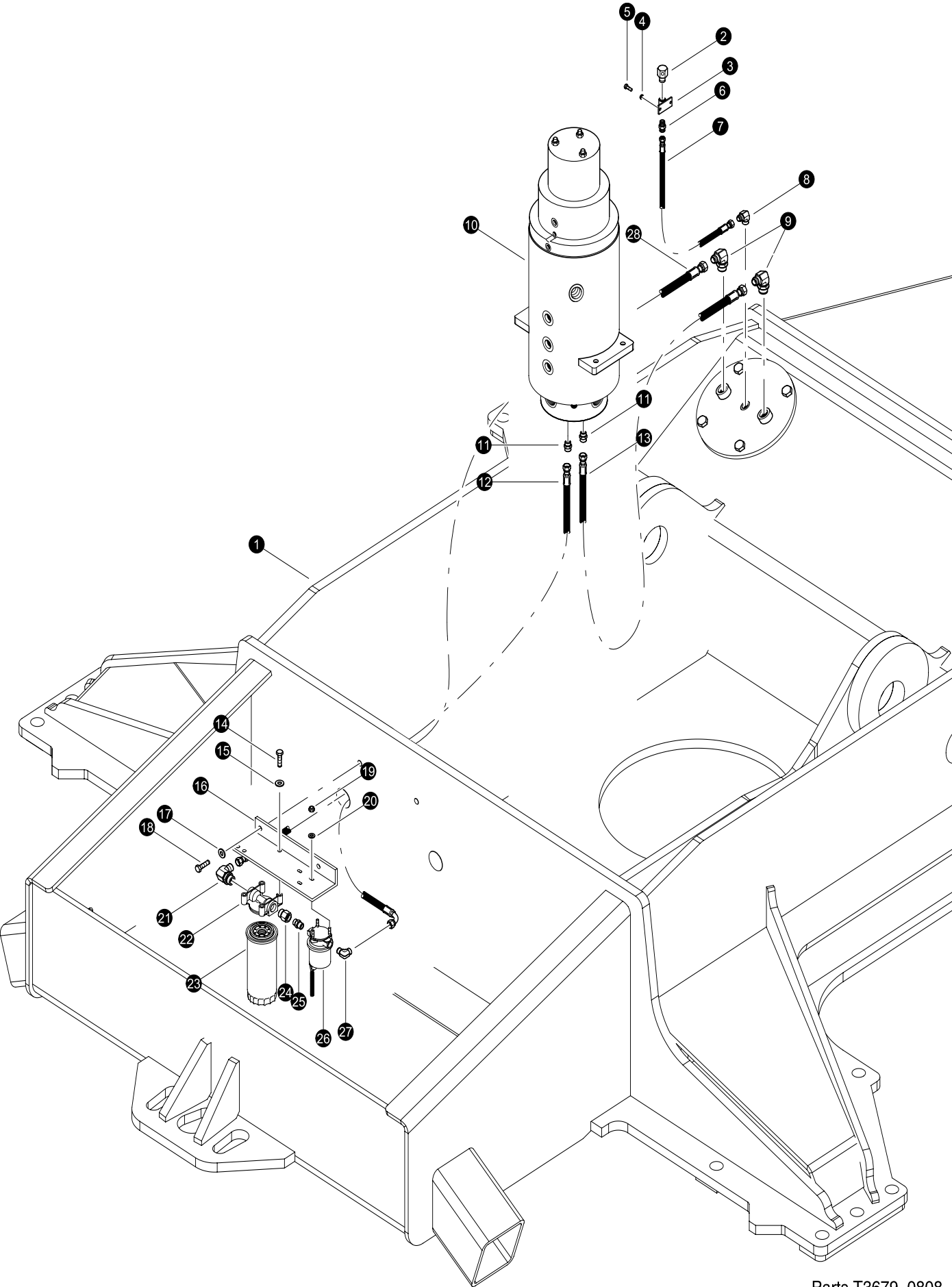
Parts T3678 0808

FUEL FILL STRAINER INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	53203-LV	1	COVER, fuel tank	
2	10783-LV	4	BOLT - 1/2" x 1"	
3	15534-LV	4	WASHER, SAE flat - 1/2"	
4	15600-LV	1	O-RING - 8"	
5	15117-LV	2	CONNECTOR, STR - FF1852T-0808S	
6	-LV	1	HOSE ASSEMBLY - 2030-08-080S-08MP (Fuel supply)	
7	-LV	1	HOSE ASSEMBLY - 2020-08-0804 (Fuel return)	
8	17271-LV	1	FILTER, screen	
9	16585-LV	1	CAP, FUEL - LOCKING	
10	17114-LV	1	STRAINER, FUEL SYSTEM	
11	17115-LV	1	RING, snap - fuel strainer retainer	
12	REF.	1	 LEVELING FRAME WELDMENT	LV-1
13	53885-LV	1	VALVE, CHECK - FUEL TANK (replaces 15652)	
14	16516-LV	1	COVER, FUEL TANK ACCESS w/FUEL CAP ADAPT	
15	54848-LV	1	SENDER, FUEL LEVEL - 725/735 LEVELING - SN: 358 and below	
15	57220-LV	1	SENDER, FUEL LEVEL W/FLOAT - SN: 359 and Above	



See referenced page for component or assembly breakdown.



Parts T3679 0808
18.75

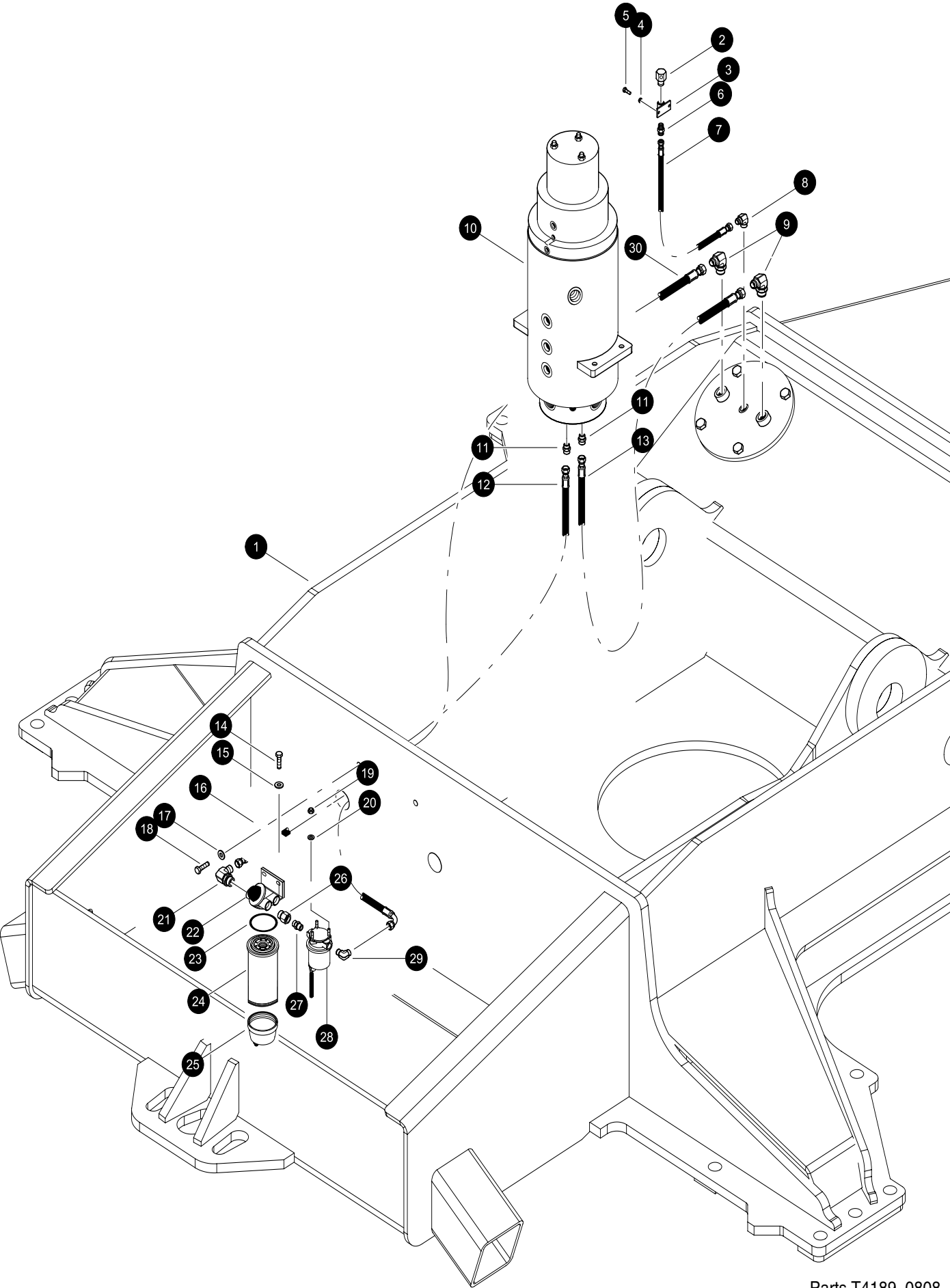
FUEL SUPPLY SYSTEM

(Standard Filter - Non-Heated)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		LEVELING FRAME WELDMENT	LV-1
2	54218-LV	1		BREATHER, fuel vent	
3	12222-LV	1		BRACKET, GAUGE/VENT MOUNT	
4	10757-LV	2		WASHER, SAE flat - 1/4"	
5	15604-LV	2		BOLT - .25" X .75"	
6	15131-FF	1		CONNECTOR, straight - FF2031T-0404S	
7	-LV	1		HOSE ASSEMBLY - 2085-04-04OS-04OS (Fuel Vent)	
8	15505-LV	1		ELBOW, 90 - FF2032T-0404S	
9	53145-LV	2		FITTING, 6-8 C50X-S - JIC	
10	REF.	1		ROTARY MANIFOLD	UP-1
11	18034-LV	2		CONNECTOR, STR - FF1852T-0606S	
12	-LV	1		HOSE ASSEMBLY - 2060-06-06JS-06JS (Fuel filter outlet to RMFS)	
13	-LV	1		HOSE ASSEMBLY - 2084-06-06JS-06JS (RMFR to Fuel Tank Return)	
14	11707-LV	2		BOLT - .375" X 1"	
15	15528-LV	4		WASHER, SAE flat - 3/8"	
16	53197-LV	1		BRACKET, FUEL PUMP/FILTER T/M	
17	15528-LV	4		WASHER, SAE flat - 3/8"	
18	11707-LV	2		BOLT - .375" X 1"	
19	10755-LV	3		NUT, hex - 1/4"	
20	10757-LV	3		WASHER, SAE flat - 1/4"	
21	53073-LV	1		ELBOW, 90 6-JIC X 10-ORB)	
22	16574-LV	1		MOUNT, filter head	
23	16575-LV	1		FILTER, spin-on fuel	
24	19290-LV	1		BUSHING, REDUCER - 6410-10-8	
25	51982-LV	1		CONNECTOR, STR - (8-3/8 F50F-S)	
26	21966-LV	1		PUMP, fuel - 12 volt	
27	16882-LV	1		ELBOW, 90 - 849-FSO-6X6	
28	-LV	1		HOSE ASSEMBLY - 2086-06-06JS-06J9 (Fuel Tank Supply to Fuel Pump)	



See referenced page for component or assembly breakdown.



Parts T4189 0808
18.75

FUEL SUPPLY SYSTEM**(Heated Filter with Water Separator- North America)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		LEVELING FRAME WELDMENT	LV-1
2	54218-LV	1		BREATHER, fuel vent	
3	12222-LV	1		BRACKET, GAUGE/VENT MOUNT	
4	10757-LV	2		WASHER, SAE flat - 1/4"	
5	15604-LV	2		BOLT - .25" X .75"	
6	15131-FF	1		CONNECTOR, straight - FF2031T-0404S	
7	-LV	1		HOSE ASSEMBLY - 2085-04-04OS-04OS (Fuel Vent)	
8	15505-LV	1		ELBOW, 90 - FF2032T-0404S	
9	53145-LV	2		FITTING, 6-8 C50X-S - JIC	
10	REF.	1		ROTARY MANIFOLD	UP-1
11	18034-LV	2		CONNECTOR, STR - FF1852T-0606S	
12	-LV	1		HOSE ASSEMBLY - 2060-06-06JS-06JS (Fuel filter outlet to RMFS)	
13	-LV	1		HOSE ASSEMBLY - 2084-06-06JS-06JS (RMFR to Fuel Tank Return)	
14	11707-LV	2		BOLT - .375" X 1"	
15	15528-LV	4		WASHER, SAE flat - 3/8"	
16	53197-LV	1		BRACKET, FUEL PUMP/FILTER T/M	
17	15528-LV	4		WASHER, SAE flat - 3/8"	
18	11707-LV	2		BOLT - .375" X 1"	
19	10755-LV	3		NUT, hex - 1/4"	
20	10757-LV	3		WASHER, SAE flat - 1/4"	
21	53073-LV	1		ELBOW, 90 6-JIC X 10-ORB)	
22	57218-LV	1		FILTER, FUEL - LOWER CARBODY W/HEAT SEP	
-	RK22168-LV	1		MOUNT, filter head	
23	RK22998-LV	1		GASKET, Fuel Filter	
24	57575-LV	1		FILTER, FUEL - TL765 (30 Micron)	
25	RK30925-LV	1		BOWL, Clear, Heated - 24v	
26	19290-LV	1		BUSHING, REDUCER - 6410-10-8	
27	51982-LV	1		CONNECTOR, STR - (8-3/8 F50F-S)	
28	21966-LV	1		PUMP, fuel - 12 volt	
29	16882-LV	1		ELBOW, 90 - 849-FSO-6X6	
30	-LV	1		HOSE ASSEMBLY - 2086-06-06JS-06J9 (Fuel Tank Supply to Fuel Pump)	

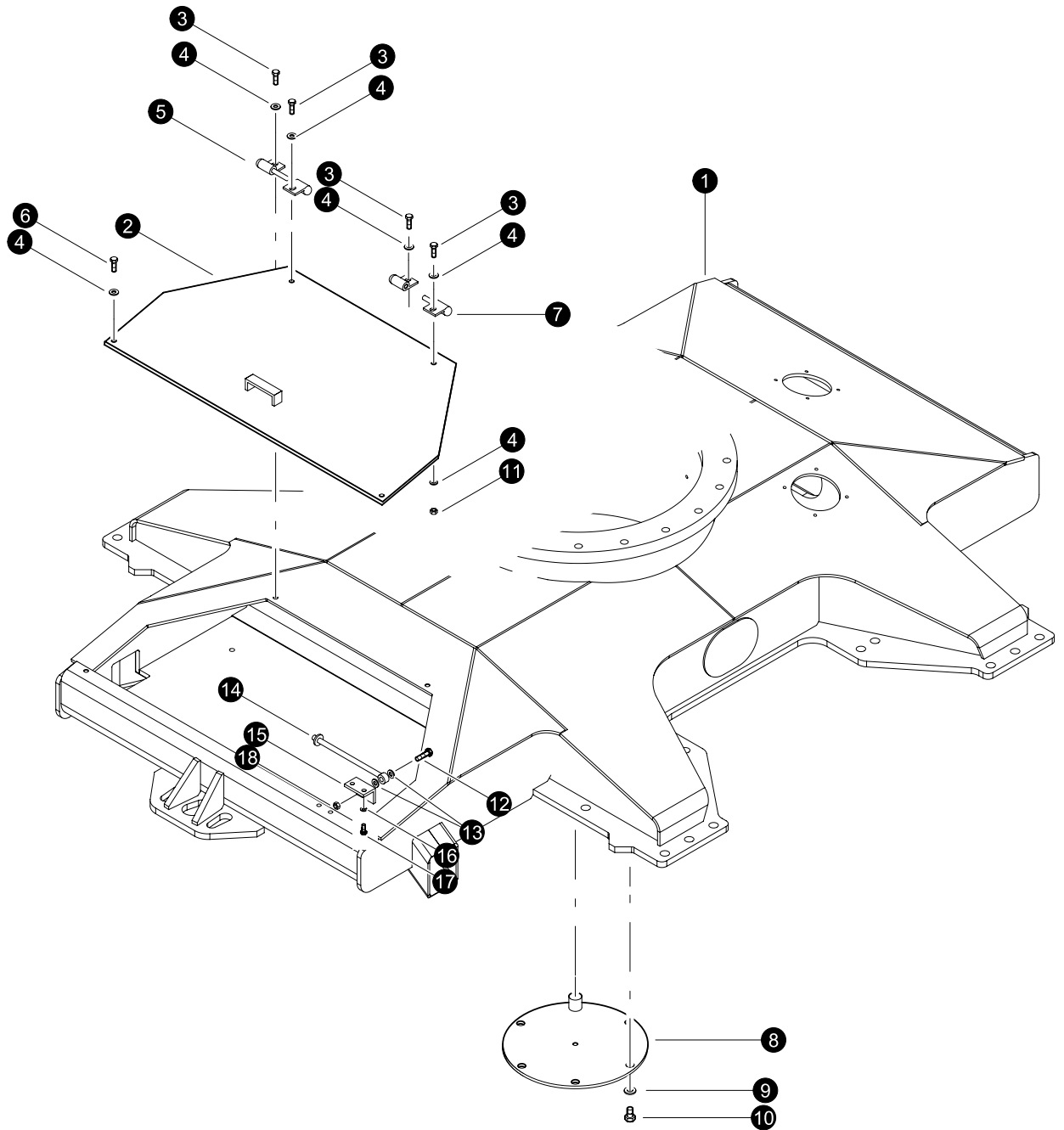


See referenced page for component or assembly breakdown.

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Section NV-1

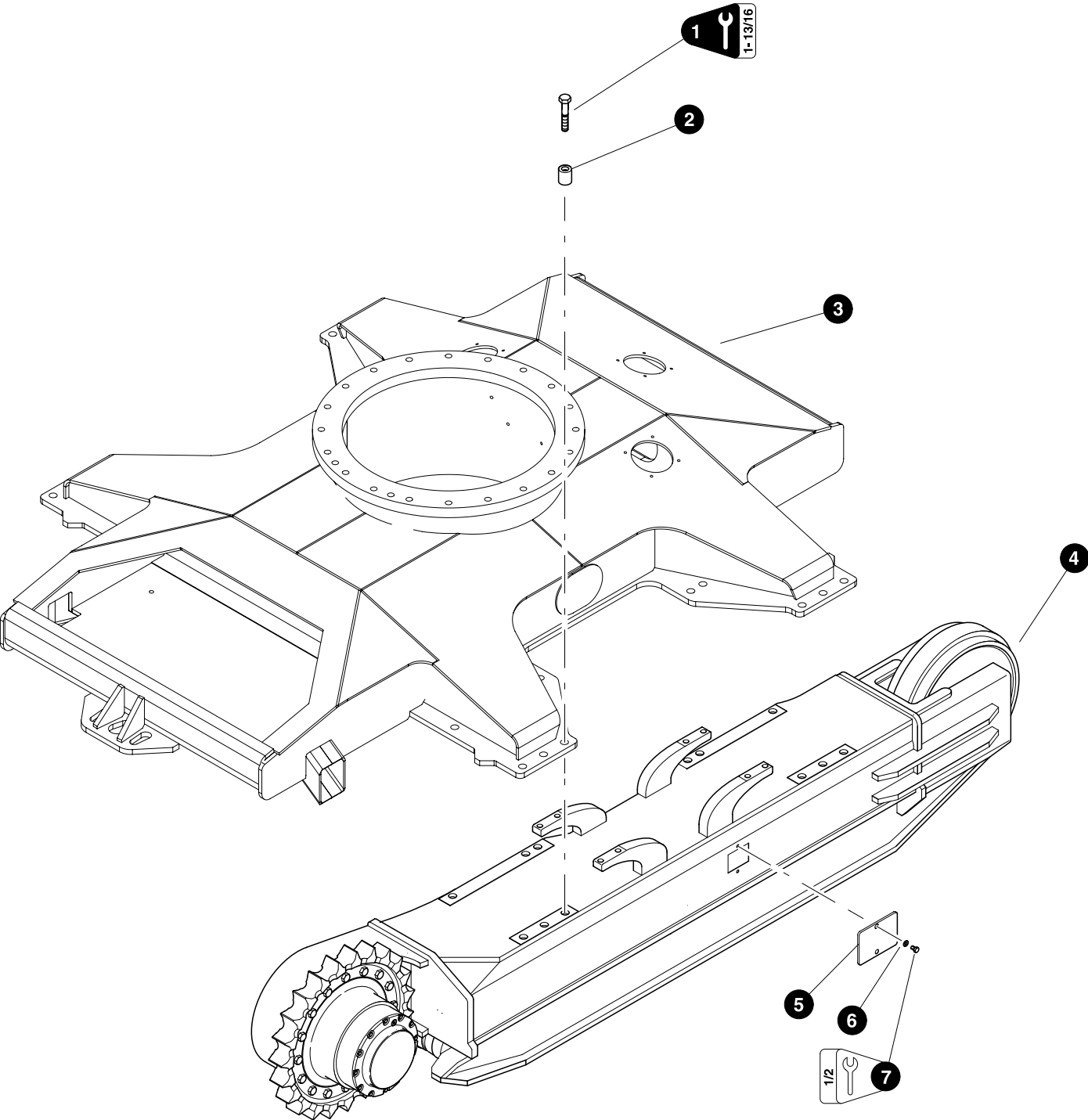
Non-Leveling Track Frame - Frame and Covers



Parts T3700 1008
9.375

Frame and Covers (General)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	52767-NV	1	CARBODY, TRACK MACHINE - Narrow 9'-6"	
1	53273-NV	1	CARBODY, TRACK MACHINE - Wide 10'-4"	
2	53276-NV	1	LID, TRUNK NON-LEVEL T/M - Narrow 9'-6"	
-	53270-NV	1	LID, TRUNK NON-LEVEL T/M - Wide 10'-4"	
3	10739-NV	4	BOLT - .5" X 1.5"	
4	15534-NV	8	WASHER, SAE flat - 1/2"	
5	53585-NV	1	HINGE, ASSEMBLY-N/L T/M TRUNK L.H.	
6	10738-NV	2	BOLT - .5" X 1"	
7	53584-NV	1	HINGE, ASSEMBLY-N/L T/M TRUNK R.H.	
8	43285-NV	1	PLATE, COVER BOTTOM (following parts listed below need to fitted and welded after installtion)	
-	43290-NV	1	SHAFT, COVER PIVOT	
-	12021-NV	1	WASHER, PIVOT STOP	
9	10771-NV	5	WASHER, SAE FLAT - .625"	
10	15502-NV	5	BOLT - .625" X 1.5"	
11	10815-NV	3	NUT, LOCK - .5"	
12	10736-NV	1	BOLT - .5" X 2"	
13	15534-NV	2	WASHER, SAE flat - 1/2"	
14	54173-NV	1	ROD, PROP - NON-LEVELING TRUNK-CURRENT	
15	54174-NV	1	ANGLE, PROP ROD - NON-LEVELING TRUNK-CUR	
16	15528-NV	2	WASHER, SAE FLAT - .375"	
17	11707-NV	2	BOLT - .375" X 1"	
18	10815-NV	1	NUT, LOCK - .5"	



Parts T3701 0808
9.375

Frame Installation

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	53139-NV	24		BOLT - 30MM-3.5 X 140MM 12.9 (Torque to 1000 ft lbs - 1355 Nm)	
2	12464-NV	24		SPACER, BOLT - CARBODY	
3	REF.	1		FRONT FRAME WELDMENT.	NV-1
4	REF.	1		TRACK FRAME ASSEMBLY	TS-1
5	187-8496	2		COVER, Track Frame - 725	
5	272-5539	2		COVER, Track Frame - 735	
6	15534-NV	4		WASHER, SAE FLAT - .5"	
7	15551-NV	4		BOLT - 12MM-1.75P X 40MM	



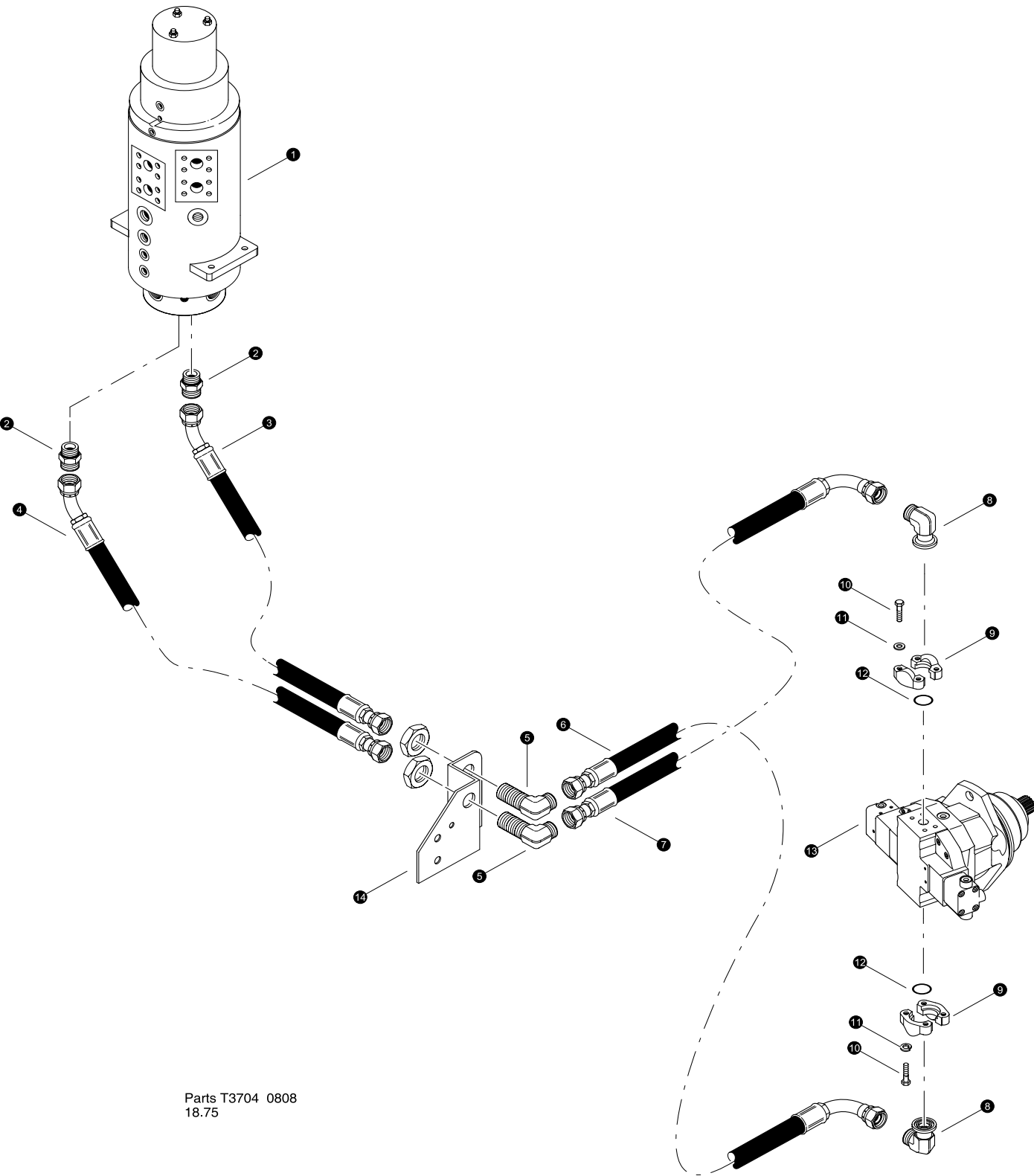
See referenced page for component or assembly breakdown.

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Section NV-2

Non-Leveling Frame - Hydraulics



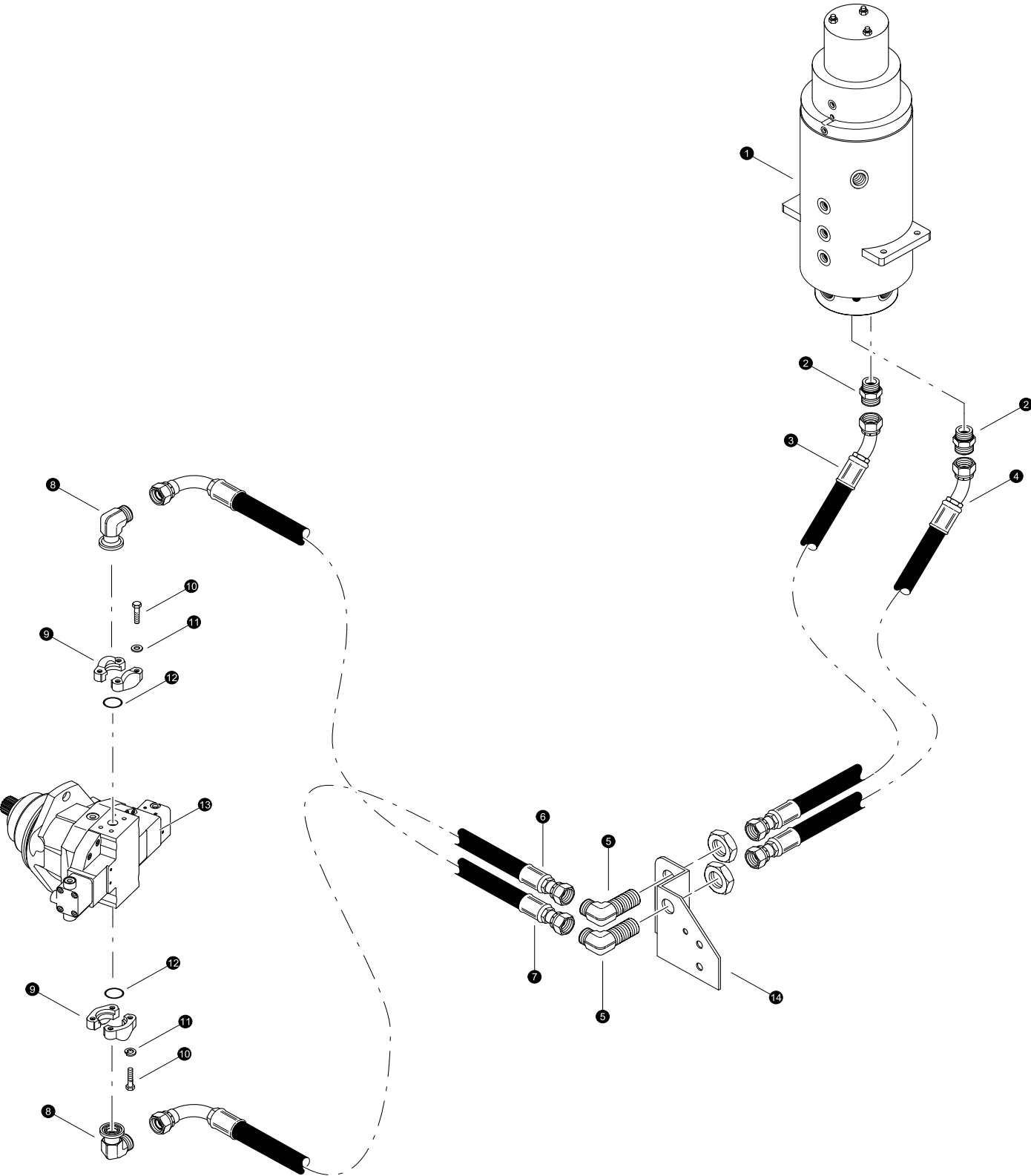
RIGHT DRIVE MOTOR LINES

(Rotary Manifold to Right Drive Motor)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTARY MANIFOLD	UP-1
2	15225-NV	2		CONNECTOR, STR - FF1852T-1616S	
3	-NV	1		HOSE ASSEMBLY - 6058-16-160S-1604 (bulkhead to rotary manifold #9)	
4	-NV	1		HOSE ASSEMBLY - 6059.5-16-160S-1604 (bulkhead to rotary manifold #11)	
5	53680-NV	2		ELBOW, BULKHEAD #16 UNION	
6	-NV	1		HOSE ASSEMBLY - 6027-16-160S-1609 (bulkhead plate to drive motor)	
7	-NV	1		HOSE ASSEMBLY - 6020.5-16-160S-1609 (bulkhead plate to drive motor)	
8	15103-NV	2		ADAPTER, 90 FLANGE - FF5540-1616S	
9	15113-NV	2		KIT, SPLIT FLANGE - 1" (CODE 62)	
10	15551-NV	4		BOLT - 12MM-1.75P X 40MM	
	18735-NV	4		WASHER, FLAT - 12MM	
11	15551-NV	4		BOLT - 12MM-1.75P X 40MM	
12	15377-NV	2		O-RING - 1" SF (CODE 61/62)	
13	REF	1		TRACK DRIVE MOTOR	TS-1
14	53761-NV	1		BULKHEAD BRACKET - Non-Leveling Frame	



See referenced page for component or assembly breakdown.



Parts T3681 09/08
18,75

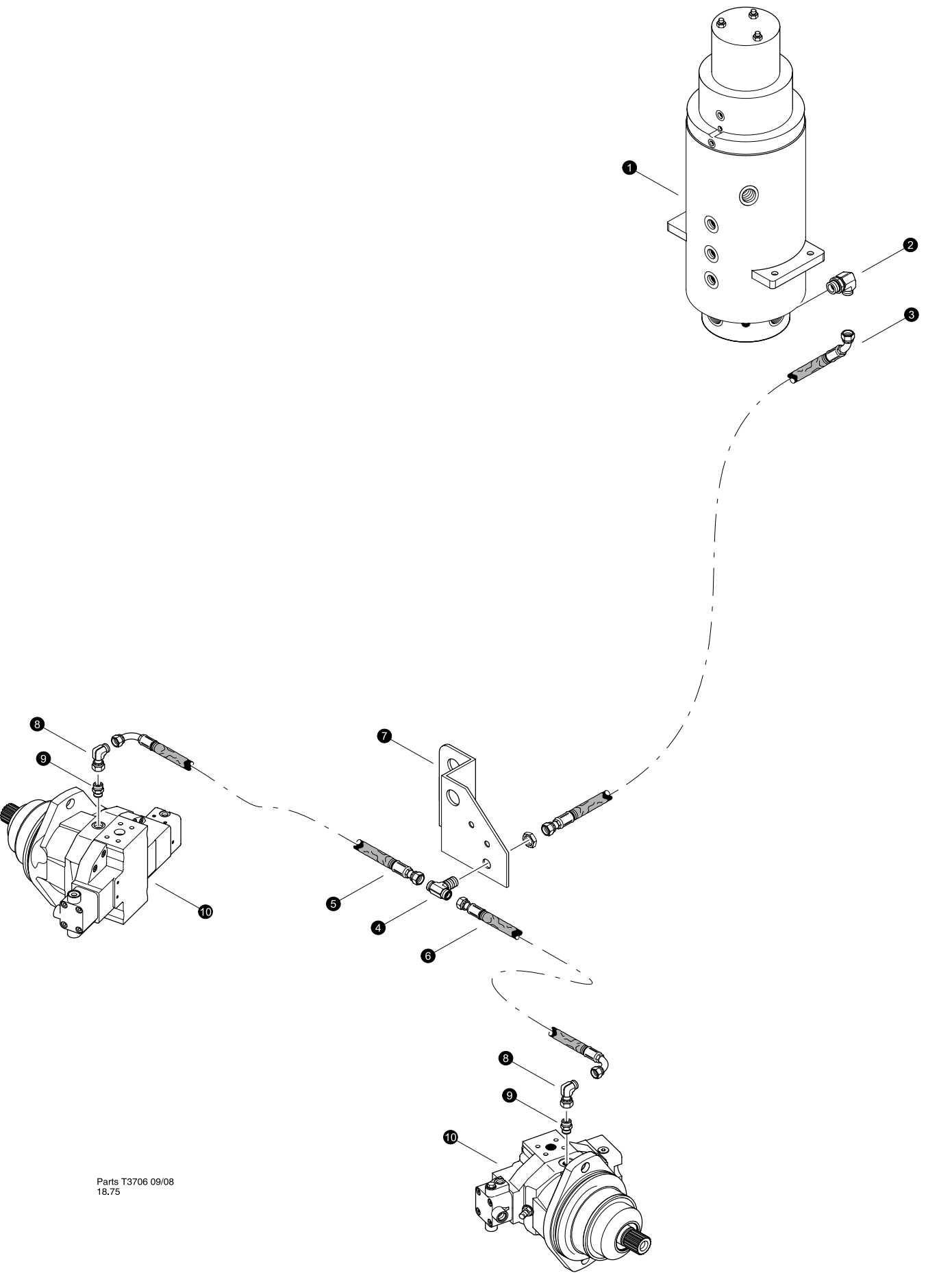
LEFT DRIVE MOTOR LINES

(Rotary Manifold to Right Drive Motor)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTARY MANIFOLD	UP-1
2	15225-NV	2		CONNECTOR, STR - FF1852T-1616S	
3	-NV	1		HOSE ASSEMBLY - 6058-16-160S-1604 (bulkhead to rotary manifold #10)	
4	-NV	1		HOSE ASSEMBLY - 6059.5-16-160S-1604 (bulkhead to rotary manifold #12)	
5	53680-NV	2		ELBOW, BULKHEAD #16 UNION	
6	-NV	1		HOSE ASSEMBLY - 6027-16-160S-1609 (bulkhead plate to drive motor)	
7	-NV	1		HOSE ASSEMBLY - 6020.5-16-160S-1609 (bulkhead plate to drive motor)	
8	15103-NV	2		ADAPTER, 90 FLANGE - FF5540-1616S	
9	15113-NV	2		KIT, SPLIT FLANGE - 1" (CODE 62)	
10	15551-NV	4		BOLT - 12MM-1.75P X 40MM	
	18735-NV	4		WASHER, FLAT - 12MM	
11	15551-NV	4		BOLT - 12MM-1.75P X 40MM	
12	15377-NV	2		O-RING - 1" SF (CODE 61/62)	
13	REF	1		TRACK DRIVE MOTOR	TS-1
14	53762-NV	1		BULKHEAD BRACKET - Non-Leveling Frame	



See referenced page for component or assembly breakdown.



Parts T3706 09/08
18.75

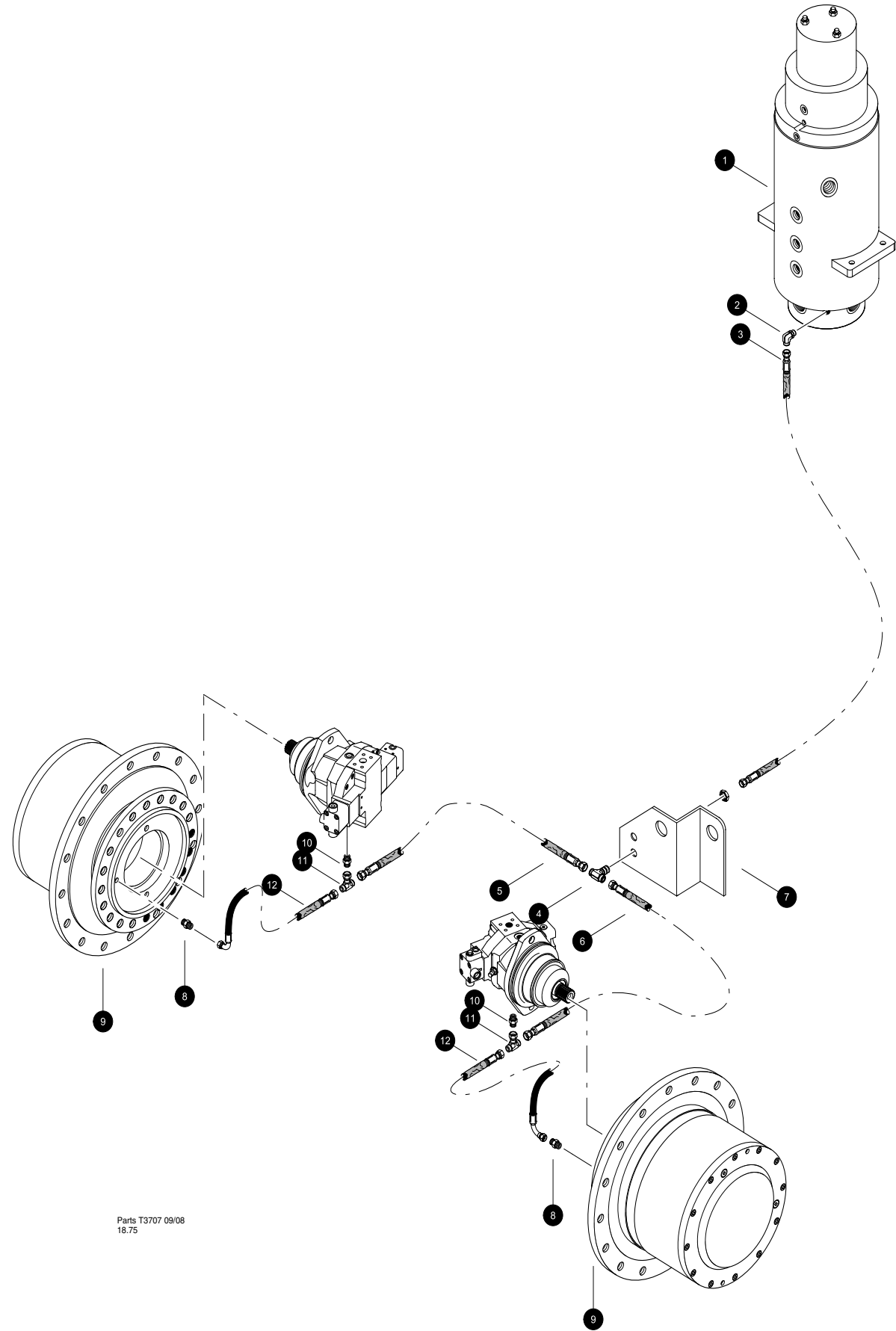
MOTOR CASE DRAIN

(Rotary Manifold to Drive Motor Case Drains)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTARY MANIFOLD	UP-1
2	15372-NV	1		ELBOW, 90 - FF1868T-0812S	
3	-NV	1		HOSE ASSEMBLY - 2072-08-080S-0804-W (bulkhead tee to rotary manifold port V1)	
4	52930-NV	1		TEE, BULKHEAD BRANCH - 8	
5	-NV	1		HOSE ASSEMBLY - 2034-08-080S-0809-W (bulkhead tee to motor)	
6	-NV	1		HOSE ASSEMBLY - 2047-08-080S-0809-W (bulkhead tee to motor)	
7	53672-NV	1		BULKHEAD PLATE	
8	16297-NV	2		ELBOW, 90 SWIVEL - FF2098T-0808S	
9	52439-NV	2		CONNECTOR, MALE ISO 6149	
10	REF	2		TRACK DRIVE MOTOR	TS-1



See referenced page for component or assembly breakdown.



Parts T3707 09/08
18.75

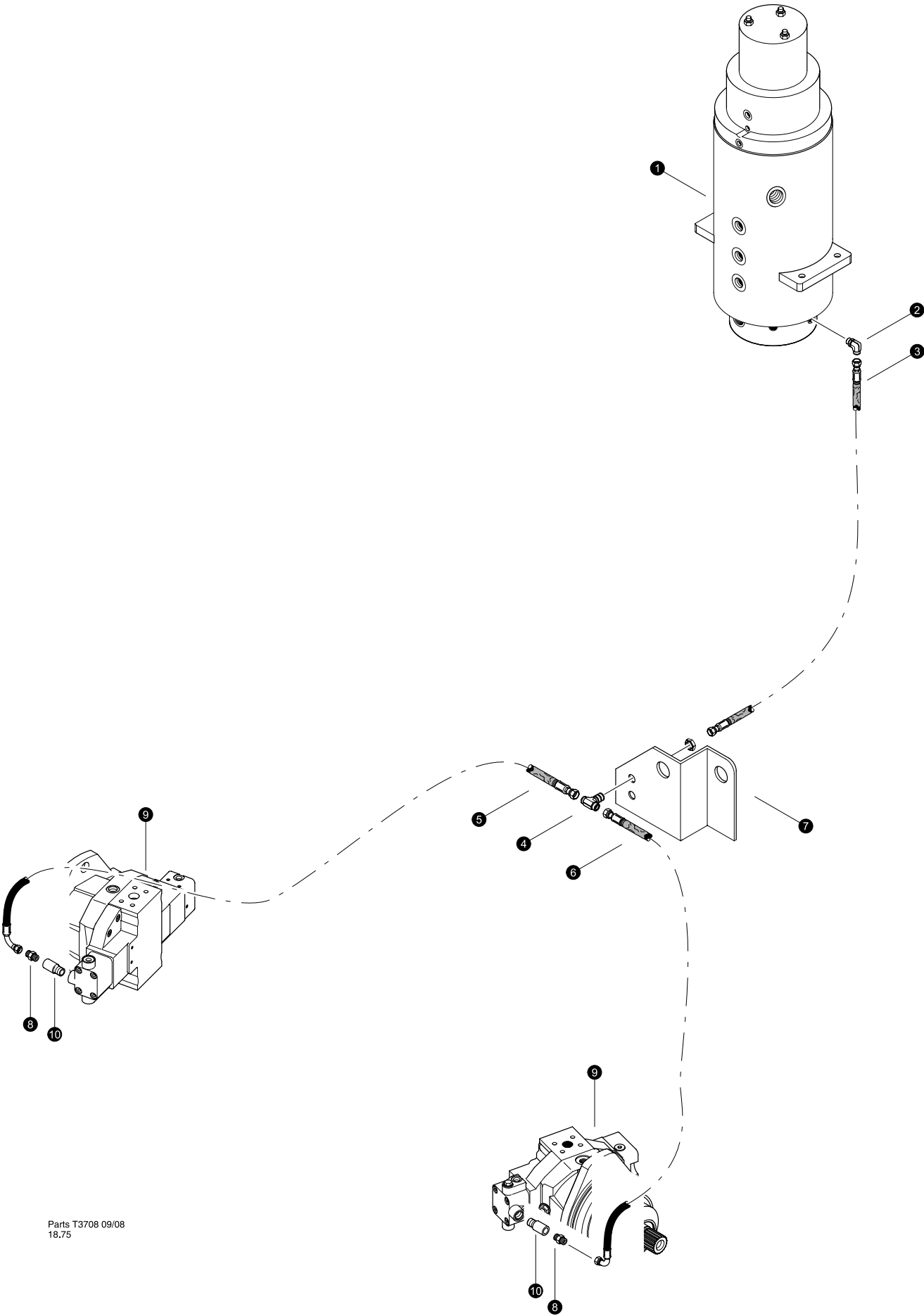
PARKING BRAKE

(Rotary Manifold to Track Parking Brake)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTARY MANIFOLD	UP-1
2	16296-NV	1		ELBOW, 90 - FF1868T-0606S	
3	-NV	1		HOSE ASSEMBLY - 2063-06-060S-060S-W (bulkhead tee to rotary manifold port 7)	
4	52902-NV	1		BULKHEAD, BRANCH TEE - 6	
5	-NV	1		HOSE ASSEMBLY - 2060-06-060S-0609-W (bulkhead tee to brake)	
6	-NV			HOSE ASSEMBLY - 2048-06-060S-0609-W (bulkhead tee to brake)	
7	53761-NV	1		BULKHEAD PLATE	
8	53124-NV	2		FITTING, MALE CONNECTOR ISO 6149	
9	REF	2		TRACK DRIVE MOTOR	TS-1
10	54795-LV	2		CONNECTOR, STR ORIFICED .04" TRACK MOTOR	
11	52900-LV	2		SWIVEL, NUT BRANCH TEE #6	
12	-LV	2		HOSE ASSEMBLY - 2022-06-060S-0604-W (tee to track motor)	



See referenced page for component or assembly breakdown.



Parts T3708 09/08
18.75

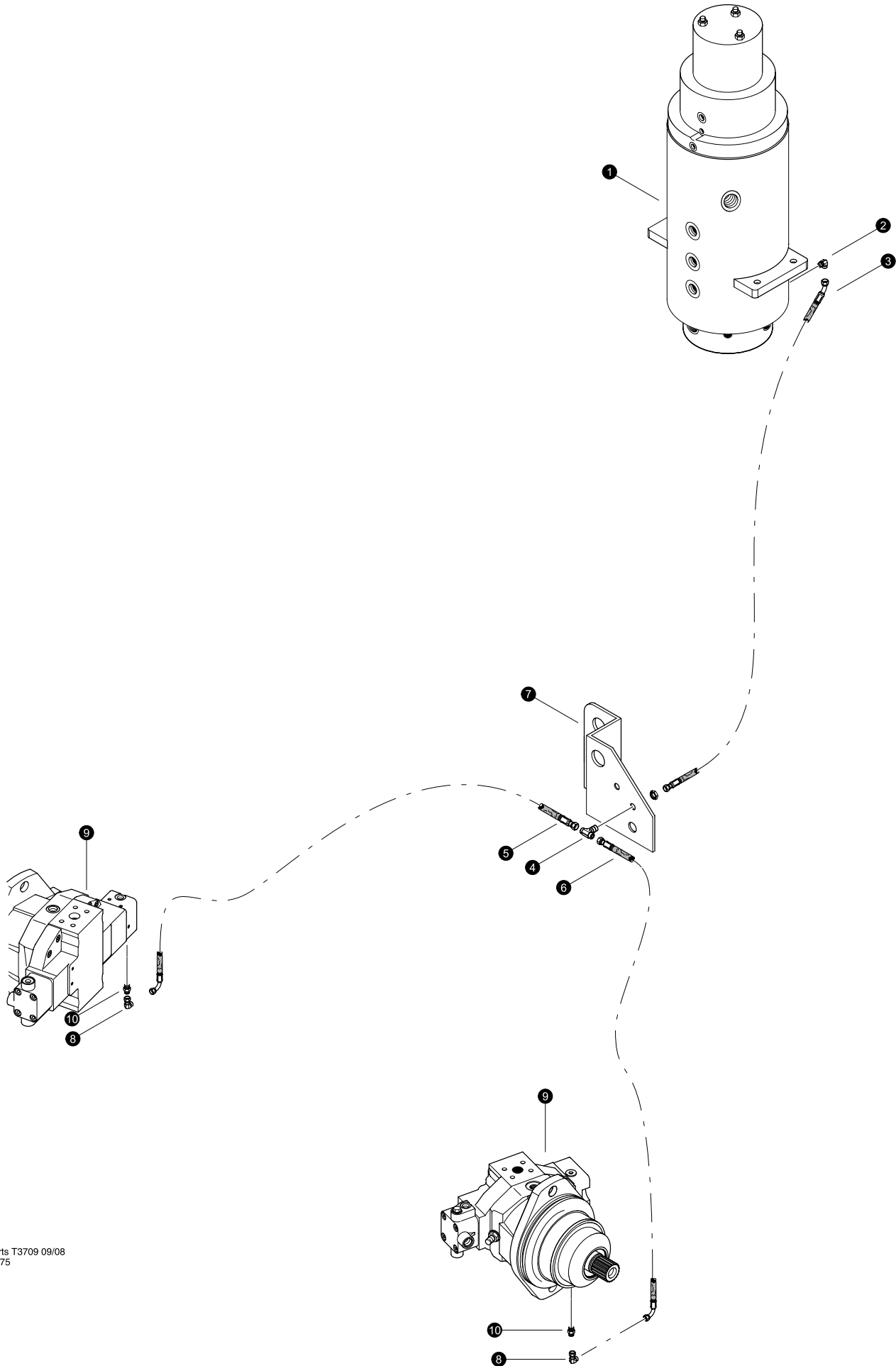
Motor Flushing Return

(Rotary Manifold to Track Motor Flushing Return)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTARY MANIFOLD	UP-1
2	16296-NV	1		ELBOW, 90 - FF1868T-0606S	
3	-NV	1		HOSE ASSEMBLY - 2065-06-060S-060S-W (bulkhead tee to rotary manifold port 1)	
4	52902-NV	1		BULKHEAD, BRANCH TEE - 6	
5	-NV	1		HOSE ASSEMBLY - 2060-06-060S-0609-W (bulkhead tee to motor)	
6	-NV			HOSE ASSEMBLY - 2048-06-060S-0609-W (bulkhead tee to motor)	
7	REF			BULKHEAD PLATE	NV-3
8	18034-NV	2		CONNECTOR, STR - FF1852T-0606S	
9	REF	2		TRACK DRIVE MOTOR	TS-1
10	53651-NV	2		FITTING, FLUSHING ORIFICE - TRACK MOTOR	



See referenced page for component or assembly breakdown.



Parts T3709 09/08
18.75

Track Motor Shift

(Rotary Manifold to Track Motor Shift)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ROTARY MANIFOLD	UP-1
2	16540-NV	1		ELBOW, 90 - FF1868T-0404S	
3	-NV	1		HOSE ASSEMBLY - 2066-04-040S-0409-W (bulkhead tee to rotary manifold port 3)	
4	52901-NV	1		BULKHEAD, BRANCH TEE - 4	
5	-NV	1		HOSE ASSEMBLY - 2034-04-040S-0404-W (bulkhead tee to motor)	
6	-NV			HOSE ASSEMBLY - 2049-04-040S-0404-W (bulkhead tee to motor)	
7	REF			BULKHEAD PLATE	NV-3
8	17023-NV	2		ELBOW, 90 SWIVEL - 6500-4	
9	REF	2		TRACK DRIVE MOTOR	TS-1
10	15124-NV	2		CONNECTOR, STR - FF1852T-0406S	

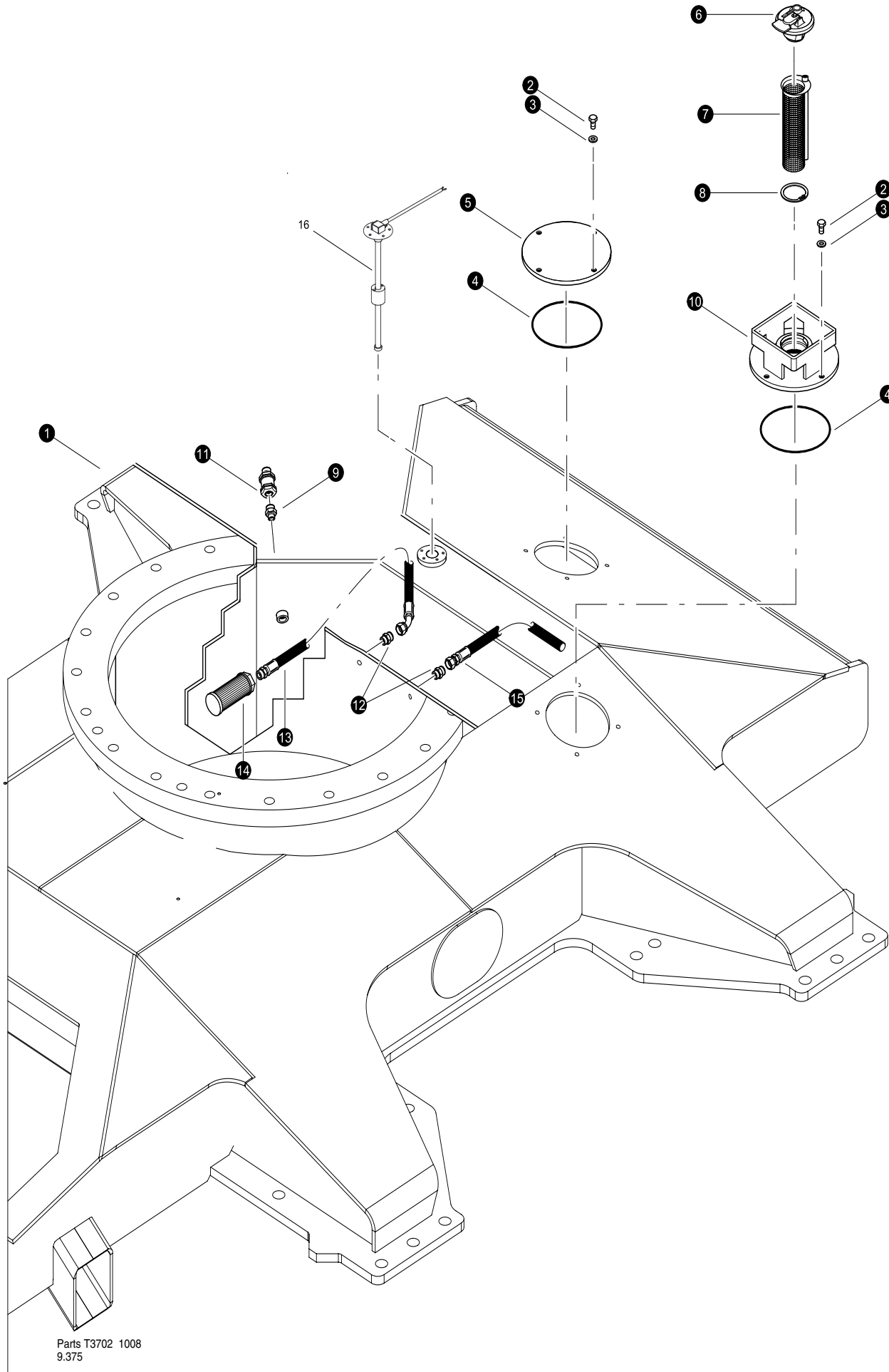


See referenced page for component or assembly breakdown.

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Section NV-3

Non-Leveling Frame - Fuel Tank Components



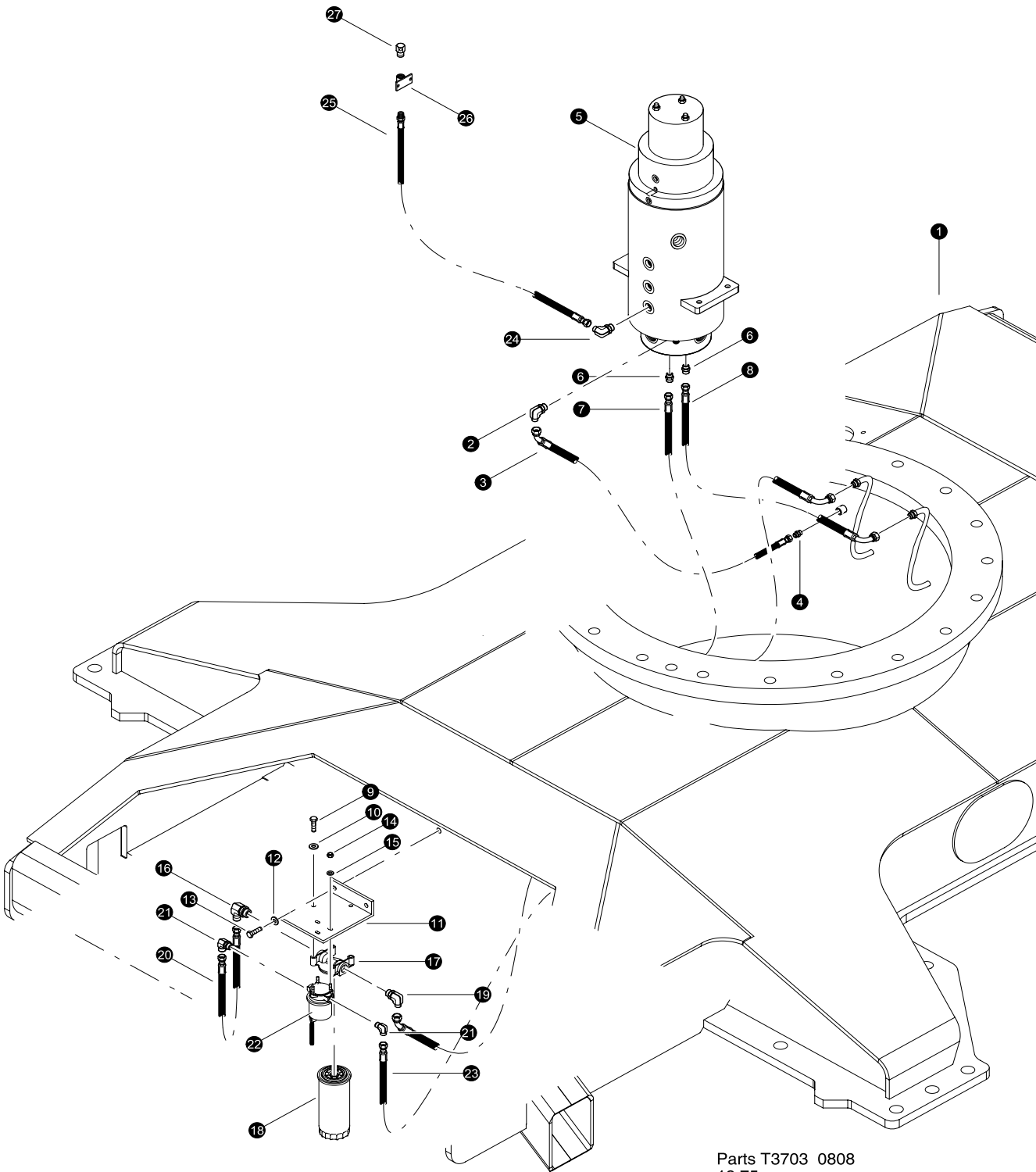
Parts T3702 1008
9.375

FUEL FILL STRAINER INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		Non-LEVELING FRAME WELDMENT	NV-1
2	10783-NV	4		BOLT - 1/2" x 1"	
3	15534-NV	4		WASHER, SAE flat - 1/2"	
4	15600-NV	1		O-RING - 8"	
5	53203-NV	1		COVER, fuel tank	
6	16585-NV	1		CAP, FUEL - LOCKING	
7	17114-NV	1		STRAINER, FUEL SYSTEM	
8	17115-NV	1		RING, snap - fuel strainer retainer	
9	53107-LV	1		CONNECTOR, STR - 1/2 X 3/8 FF-S	
10	16516-NV	1		COVER, FUEL TANK ACCESS w/FUEL CAP ADAPTK	
11	53885-LV	1		VALVE, CHECK - FUEL TANK (replaces 15652)	
12	15117-NV	2		CONNECTOR, STR - FF1852T-0808S	
13	-NV	1		HOSE ASSEMBLY - 2024-08-080S-08MP (Fuel supply	
14	17271-NV	1		FILTER, screen	
15	-NV	1		HOSE ASSEMBLY - 2036-08-0804 (Fuel return)	
16	54849-LV	1		SENDER, FUEL LEVEL - 725/735 Non-LEVELING - SN: 358 and below	
16	57219-LV	1		SENDER, FUEL LEVEL W/FLOAT - Non-LEVELING - SN: 359 and Above	



See referenced page for component or assembly breakdown.



Parts T3703 0808
18.75

FUEL SUPPLY SYSTEM

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		Non-LEVELING FRAME WELDMENT	NV-1
2	50381-NV	1		ELBOW, 90 - 848-TT-08X04	
3	-NV	1		HOSE ASSEMBLY - 2014-04-04OS-04O4 (Fuel Vent to #2 Port RM)	
4	15488-NV	1		CONNECTOR, STR - 6400-6	
5	REF.	1		ROTARY MANIFOLD	UP-1
6	18034-NV	2		CONNECTOR, STR - FF1852T-0606S	
7	-NV	1		HOSE ASSEMBLY - 2054-06-06JS-06J9 (Fuel Filter outlet to RMFS)	
8	-NV	1		HOSE ASSEMBLY - 2077-06-06JS-06J9 (RMFR to Fuel Tank Return)	
9	11707-NV	2		BOLT - .375" X 1"	
10	15528-NV	4		WASHER, SAE flat - 3/8"	
11	53197-NV	1		BRACKET, FUEL PUMP/FILTER T/M	
12	15528-NV	4		WASHER, SAE flat - 3/8"	
13	11707-NV	2		BOLT - .375" X 1"	
14	10755-NV	3		NUT, hex - 1/4"	
15	10757-NV	3		WASHER, SAE flat - 1/4"	
16	53073-NV	1		ELBOW, 90 6-JIC X 10-ORB	
17	16574-NV	1		MOUNT, filter head	
18	51751-NV	1		FILTER, spin-on fuel	
19	53073-NV	1		ELBOW, 90 6-JIC X 10-ORB	
20	-NV	1		HOSE ASSEMBLY - 2014-06-06JS-06JS (Fuel Pump to Fuel Filter Inlet)	
21	16882-NV	1		ELBOW, 90 - 849-FSO-6X6	
22	21966-NV	1		PUMP, fuel - 12 volt	
23	-NV	1		HOSE ASSEMBLY - 2077-06-06JS-06J9 (Fuel Tank Supply to Pump Inlet)	
24	50381-NV	1		ELBOW, 90 - 848-TT-08X04	
25	-NV	1		HOSE ASSEMBLY - 2024-04-04OS-04MJ (Fuel tank vent port to fuel vent breather)	
26	12222-NV	1		BRACKET, disc saw gauge mount	
27	54170-NV	1		BREATHER, fuel vent	

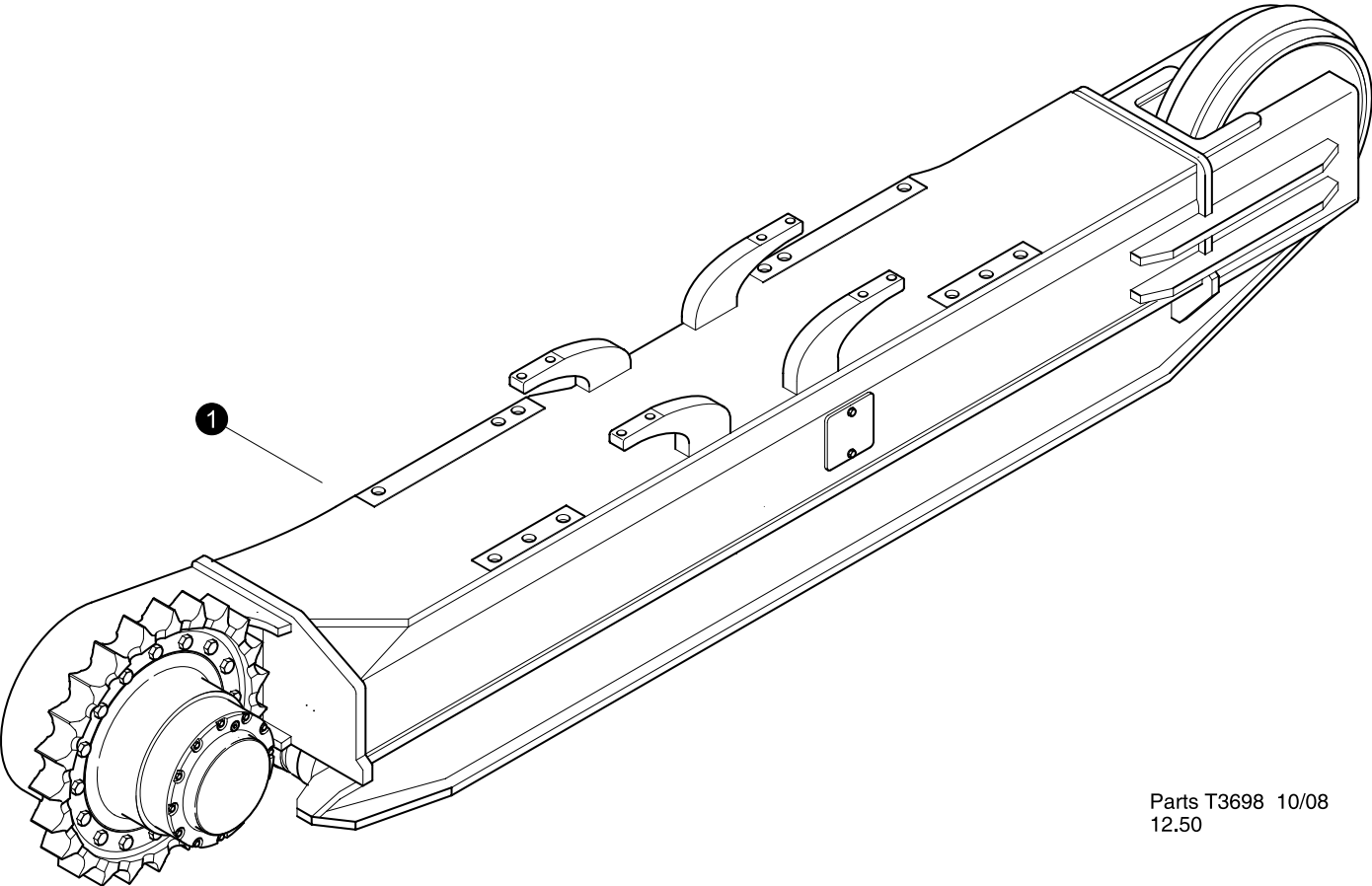


See referenced page for component or assembly breakdown.

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Section TS-1

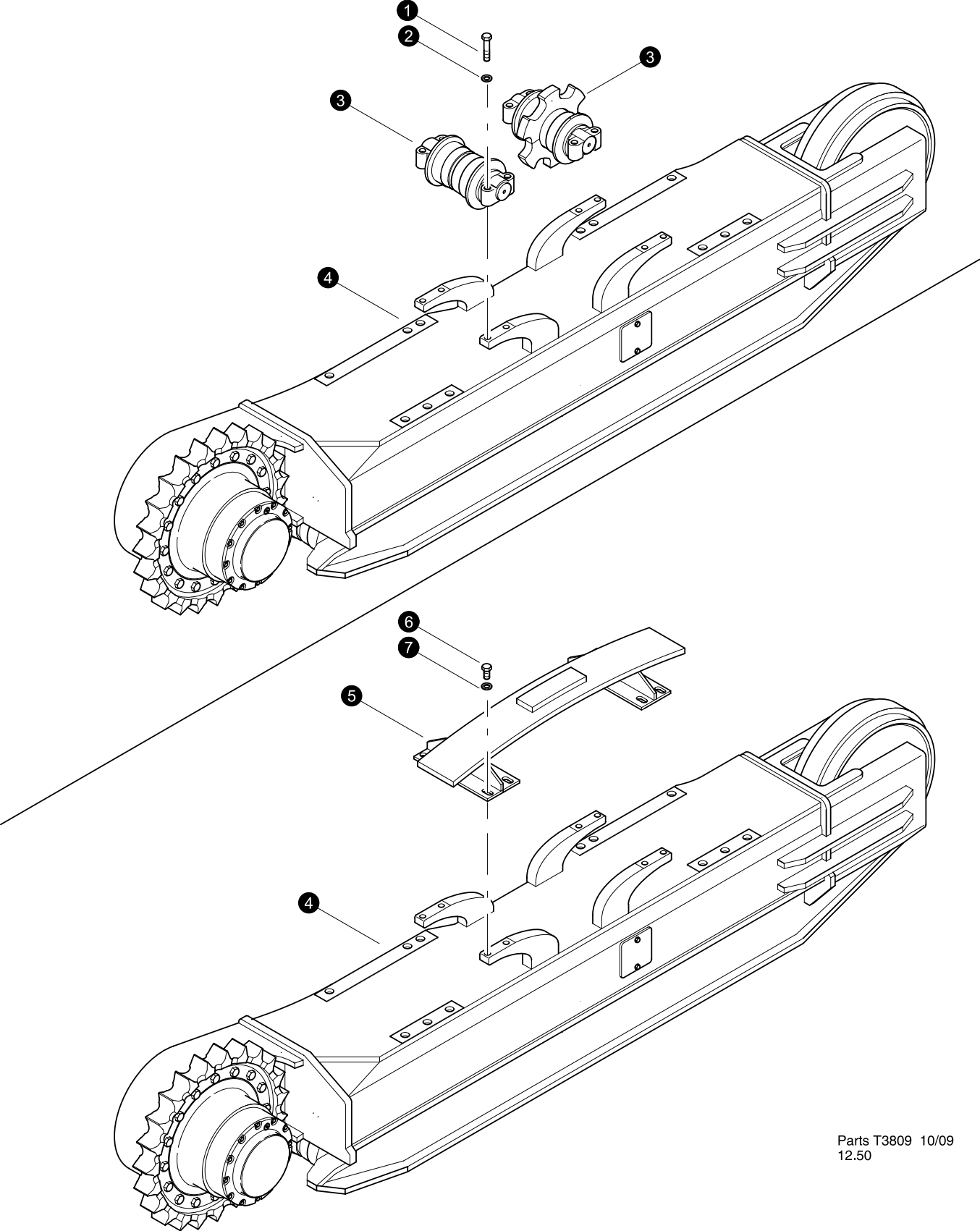
Track Systems - 725 Undercarriage



TRACK FRAME ASSEMBLY

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	53096-TS	1	☐	TRACK FRAME SET - CAT 325 Long (left and right) 725C	
-	-TS	1		Frame, Right Side (299-4045)	
-	-TS	1		Frame, Left Side (299-4046)	

☐ Kit or Assembly - includes all items indented underneath.



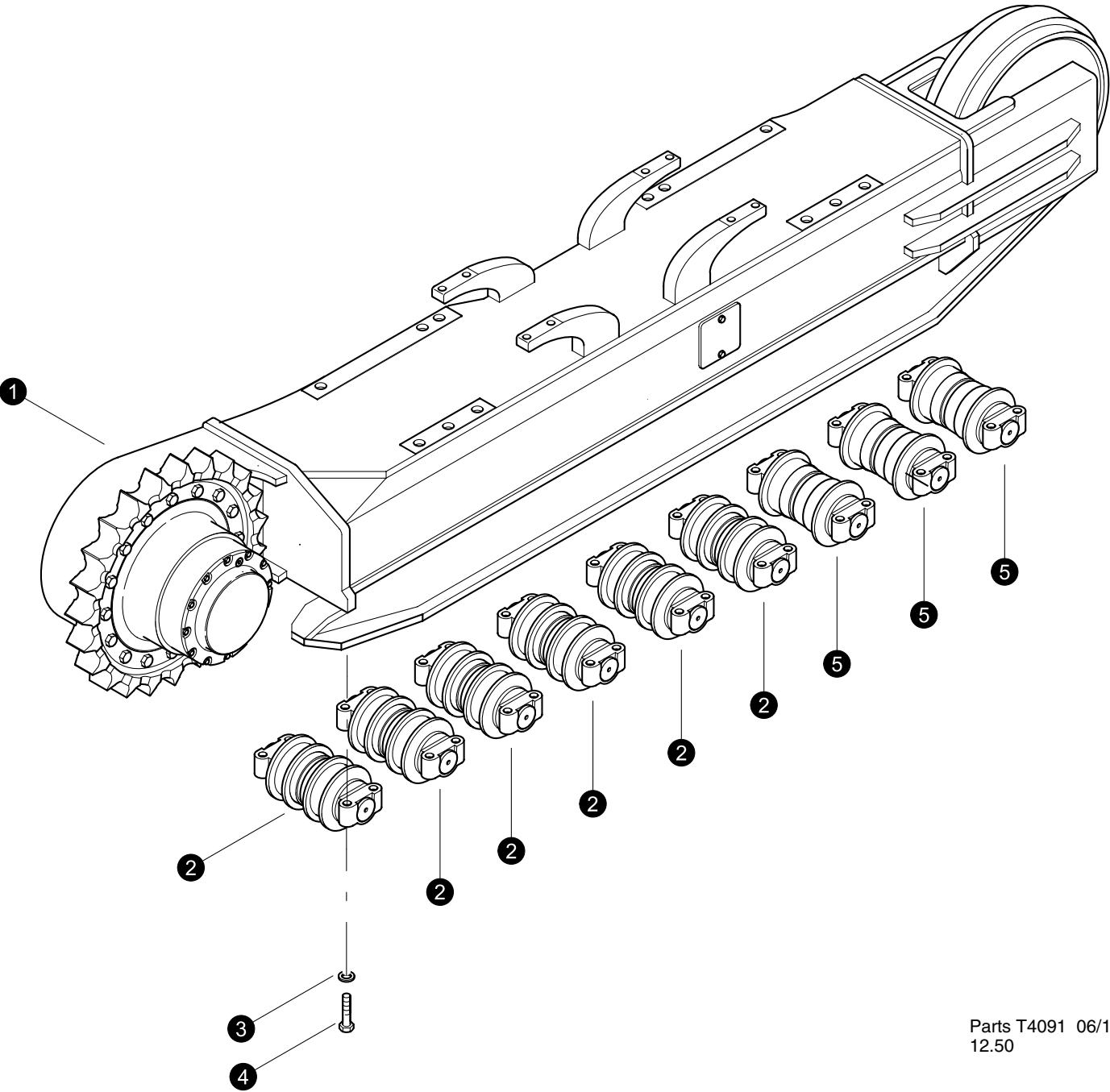
Parts T3809 10/09
12.50

TRACK FRAME ASSEMBLY

(Upper Roller/Slide Installation)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	19923-TS	8	BOLT - 20MM-2.5P X 100MM	
2	19926-TS	8	WASHER, BOLT - ROLLER (330)	
3	53220-TS	2	ROLLER GP - SFLG - 325	
3	53865-TS	2	ROLLER, STAR SFLG - 325 "optional"	
4	REF	1	TRACK FRAME ASSEMBLY	TS-1-2
5	54086-TS	1	SLIDER, track	
6	18525-TS	8	BOLT - 20MM-2.5P X 50MM	
7	19926-TS	8	WASHER, BOLT - ROLLER (330)	

☐ Kit or Assembly - includes all items indented underneath.



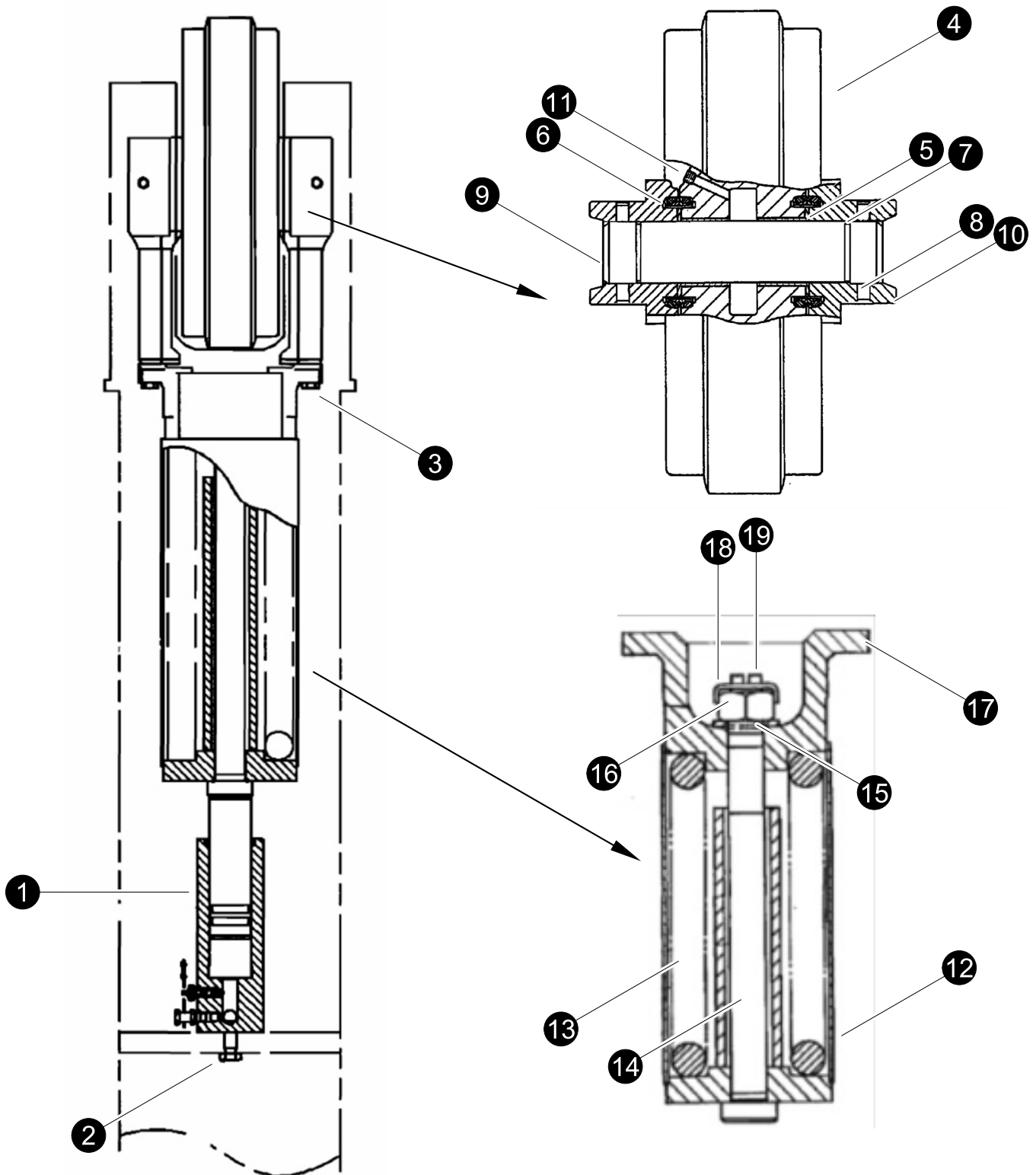
Parts T4091 06/15
12.50

TRACK FRAME ASSEMBLY

(Lower Roller Group Installation)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	TRACK FRAME ASSEMBLY	TS-1
2	53678-TS	6	ROLLER GP - DFLG (206-1263)	
3	7X-2565-TS	32	BOLT - BOLT, (Torque to 450 ft lbs (600 Nm))	
4	8T-4123-TS	32	WASHER - HARD	
5	53220-TS	3	ROLLER GP - SFLG (206-1264)	

☐ Kit or Assembly - includes all items indented underneath.

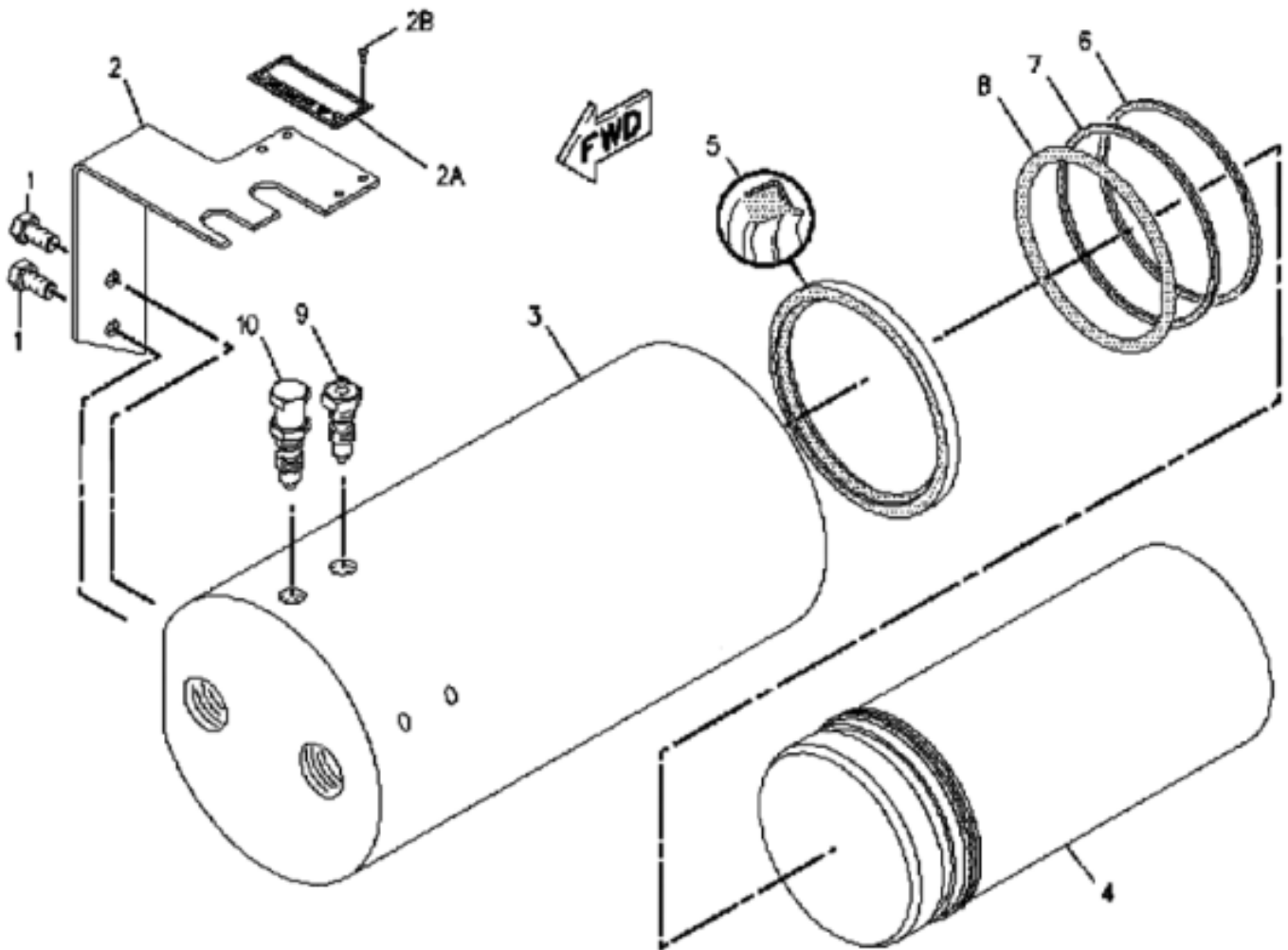


Parts T3695 10/08
12.50

TRACK FRAME ASSEMBLY**(Front Idler Installation)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		IDLER ADJUSTMENT CYLINDER	TS-1-10
2	7X-2563-TS	2		BOLT	
3	8T-6430-TS	4		BOLT	
4	17872-TS	1	☐	FRONT IDLER ASSEMBLY	
-	115-7471-TS	1	☐	IDLER AS	
5	6Y-2272	2		BEARING	
6	109-0885-TS	2		SEAL GP	
7	8F-8882 -TS	2		SEAL	
8	6Y-2266-TS	2		PIN	
9	112-9951-TS	1		SHAFT	
10	7I-7767-TS	2		BEARING	
11	7H-3171 -TS	1		PLUG	
12	7Y-0555-TS	1		SUPPORT AS	
13	186-2367 -TS	1		SPRING	
14	221-9780-TS	1		ROD	
15	7Y-0725-TS	1		WASHER	
16	8C-7328-TS	1		NUT	
17	7Y-0734-TS	1		SUPPORT	
18	221-9781-TS	1		STRIP	
19	096-4835-TS	2		BOLT	

☐ Kit or Assembly - includes all items indented underneath.



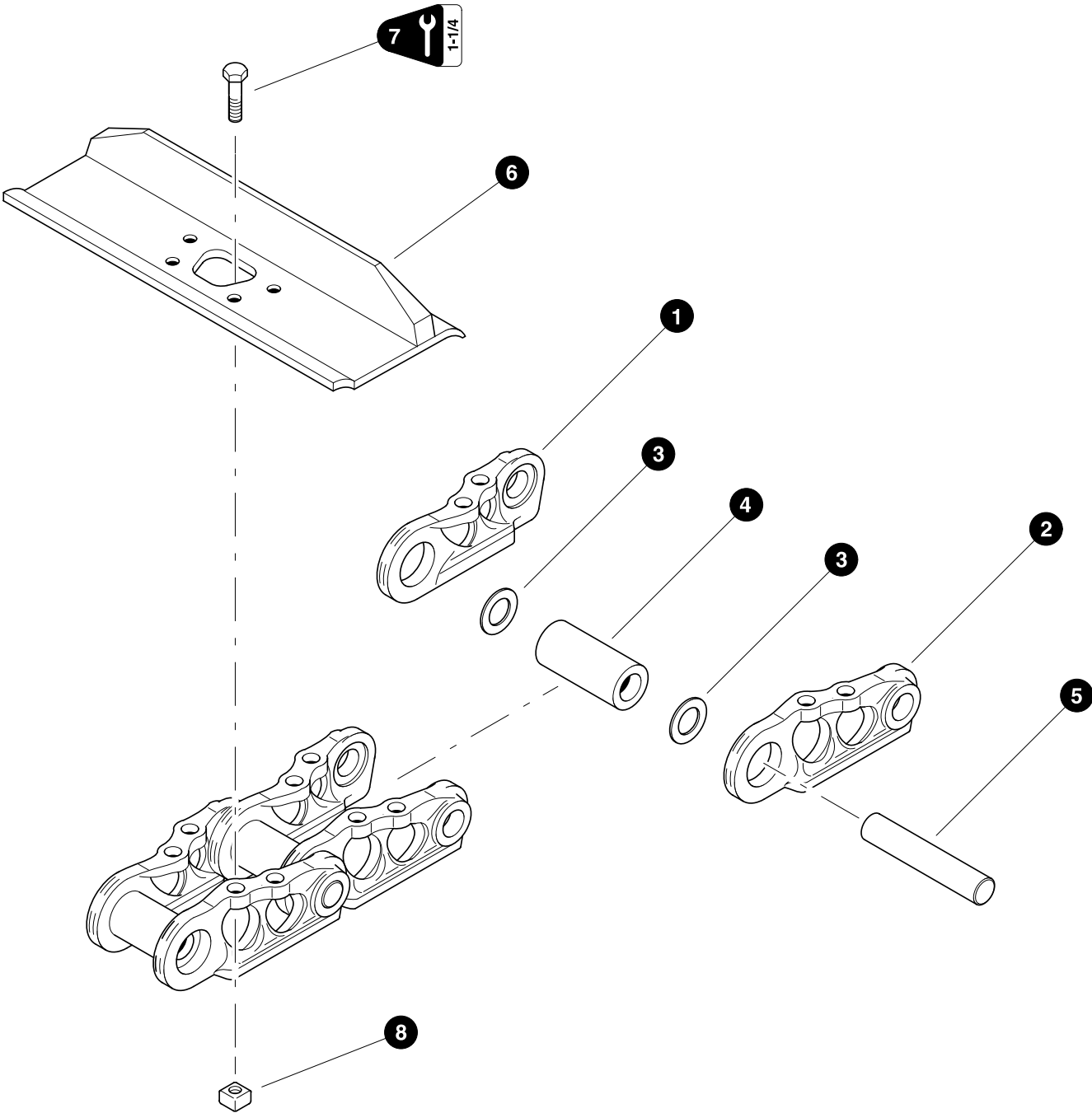
Parts T3696 10/08
12.50

TRACK FRAME ASSEMBLY

(Idler Adjustment Cylinder)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	102-8109-TS	1	☐	IDLER ADJUSTMENT GROUP	
1	8T-4191-TS	2		BOLT,	
2	113-2824-TS	1	☐	PLATE,	
2A	4B-4158-TS	4		SCREW	
	113-2825-TS	1		PLATE	
2B	253-1346-TS	1		PLATE-WARNING	
3	102-8112-TS	1		CYLINDER	
4	7Y-0680-TS	1		PISTON	
5	093-1436-TS	1		SEAL, lip type	
6	7Y-0682-TS	2		RING, back up	
7	093-1512-TS	2		RING, back up	
8	095-1619-TS	2		SEAL, o-ring	
9	095-2927-TS	1		VATSE, fill	
10	2S-5926-TS	1		VATSE, relief	

☐ Kit or Assembly - includes all items indented underneath.



TRACK FRAME ASSEMBLY (chain and track pads) Standard - short track

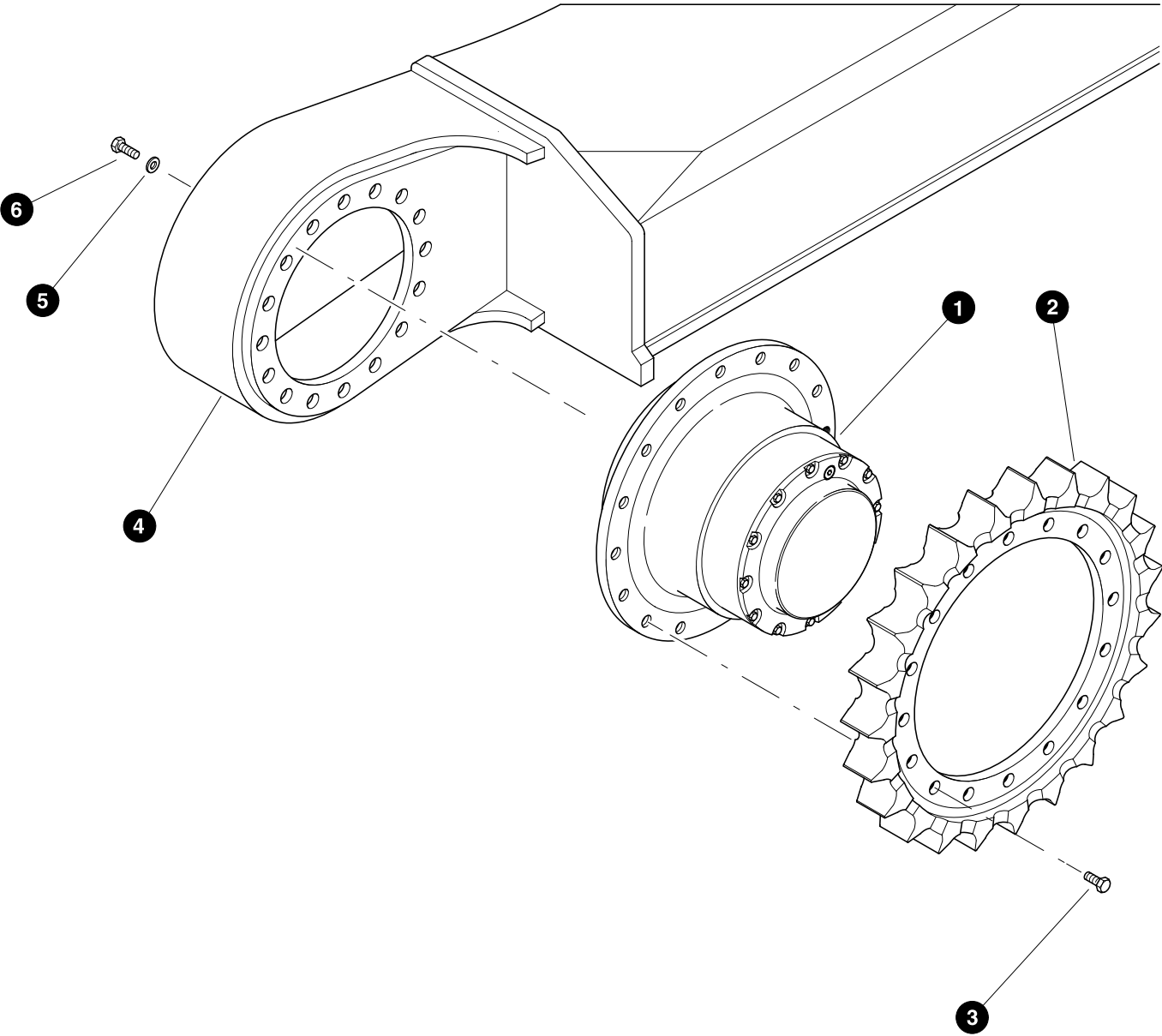
REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	53098-TS	1	☐	TRACK, RAIL W/600 SINGLE (45 LINKS) CAT	
-	52857-TS	1	☐	TRACK, RAIL W/600 DOUBLE (45 LINKS) CAT	
-	53099-TS	1	☐	TRACK, RAIL W/700 SINGLE (45 LINKS) CAT	
-	53097-TS	1	☐	TRACK, RAIL W/700 DOUBLE (45 LINKS) CAT	
1	6Y-1608-TS	45		LINK (left)	
2	6Y-1607-TS	45		LINK (right)	
3	179-3425-TS	88		SEAL, link	
-	179-3427-TS	2		SEAL, master link	
4	201-0825-TS	44		BUSHING,	
-	201-0826-TS	1		BUSHING, master link	
5	6Y-0851-TS	44		PIN,	
-	6Y-0850-TS	1		PIN, master link	
6	17183-TS	45		SHOE - 600 SINGLE	
-	53679-TS	45		SHOE - 600 DOUBLE	
-	21054-TS	45		SHOE - 700 SINGLE	
-	19480-TS	45		SHOE - 700 DOUBLE	
7	17185-TS	180		BOLT, TRACK SHOE (CAT 325) (Torque to 300 ft lbs (400 Nm))	
8	17186-TS	180		NUT, TRACK SHOE (CAT 325)	

TRACK FRAME ASSEMBLY (chain and track pads) Optional - long track

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	53100-TS	1	☐	TRACK, RAIL W/600 SINGLE (48 LINK) CAT	
-	52647-TS	1	☐	TRACK, RAILS W/700 SINGLE (48) CAT	
-	53630-TS	1	☐	TRACK, RAIL W/700 DG (48 LINK) BERCO	
1	6Y-1608-TS	48		LINK (left)	
2	6Y-1607-TS	48		LINK (right)	
3	179-3425-TS	94		SEAL, link	
-	179-3427-TS	2		SEAL, master link	
4	201-0825-TS	47		BUSHING,	
-	201-0826-TS	1		BUSHING, master link	
5	6Y-0851-TS	47		PIN,	
-	6Y-0850-TS	1		PIN, master link	
6	17183-TS	48		SHOE - 600 SINGLE	
-	21054-TS	48		SHOE - 700 SINGLE	
-	19480-TS	48		SHOE - 700 DOUBLE	
7	17185-TS	192		BOLT, TRACK SHOE (CAT 325) (Torque to 300 ft lbs (400 Nm))	
8	17186-TS	192		NUT, TRACK SHOE (CAT 325)	

☐ Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.



Parts 00652 09/02/96
12.50

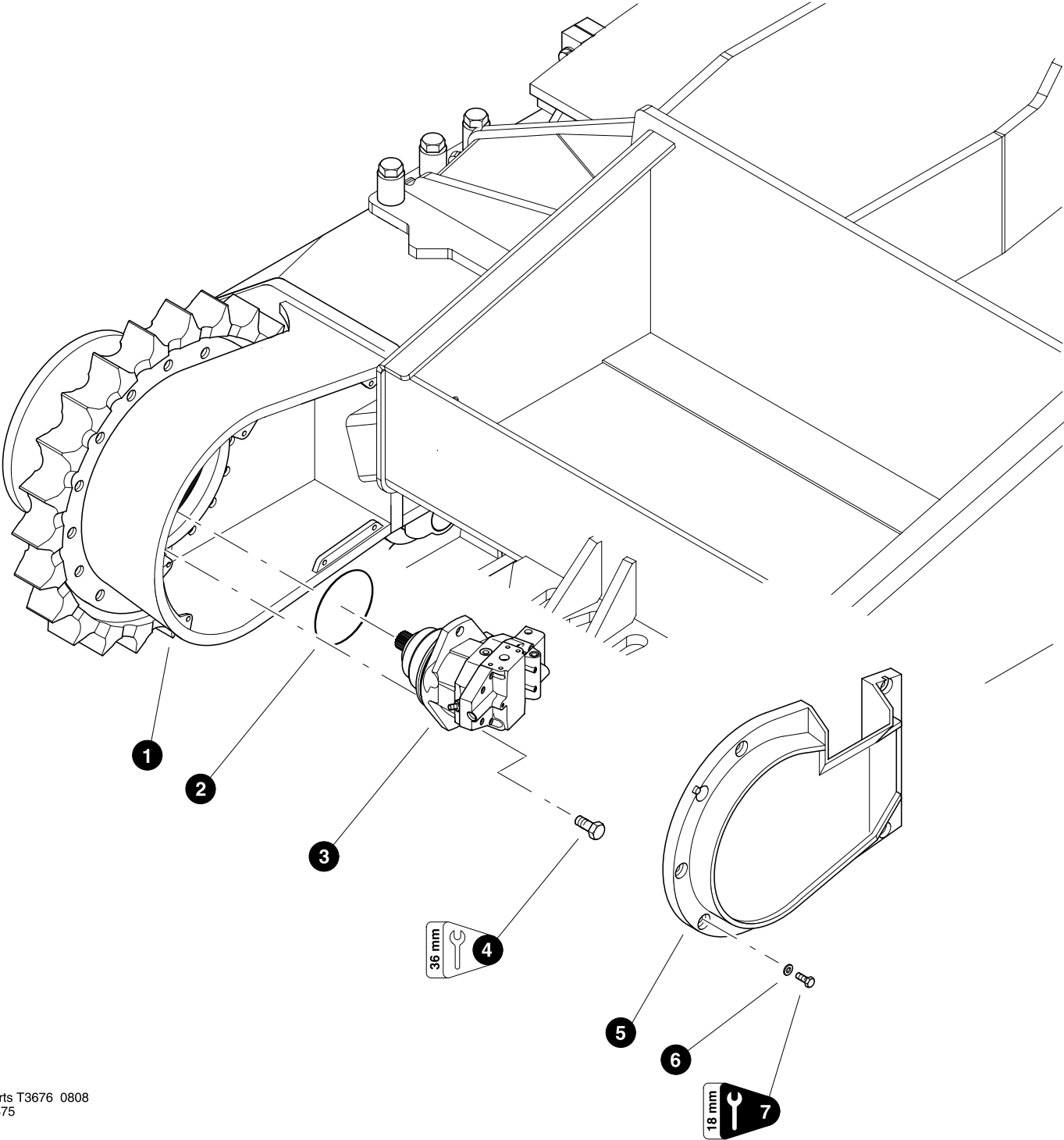
TRACK FRAME ASSEMBLY**(Final Drive - Installation)**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	FINAL DRIVE ASSEMBLY	TS-1-15
2	21378-TS	1	SPROCKET, FINAL DRIVE (325)	
3	21379-TS	18	BOLT - 20MM (Torque to 390 ft lbs (530 Nm)) (see note below)	
4	REF	1	TRACK FRAME ASSEMBLY	TS-1-1
5	19924-TS	20	WASHER - HARD 20MM	
6	21381-TS	20	BOLT - 20MM (Torque to 390 ft lbs (530 Nm)) (see note below)	

☐ Kit or Assembly - includes all items indented underneath.

NOTE:

Use Loctite 272 (blue / medium) during installation.



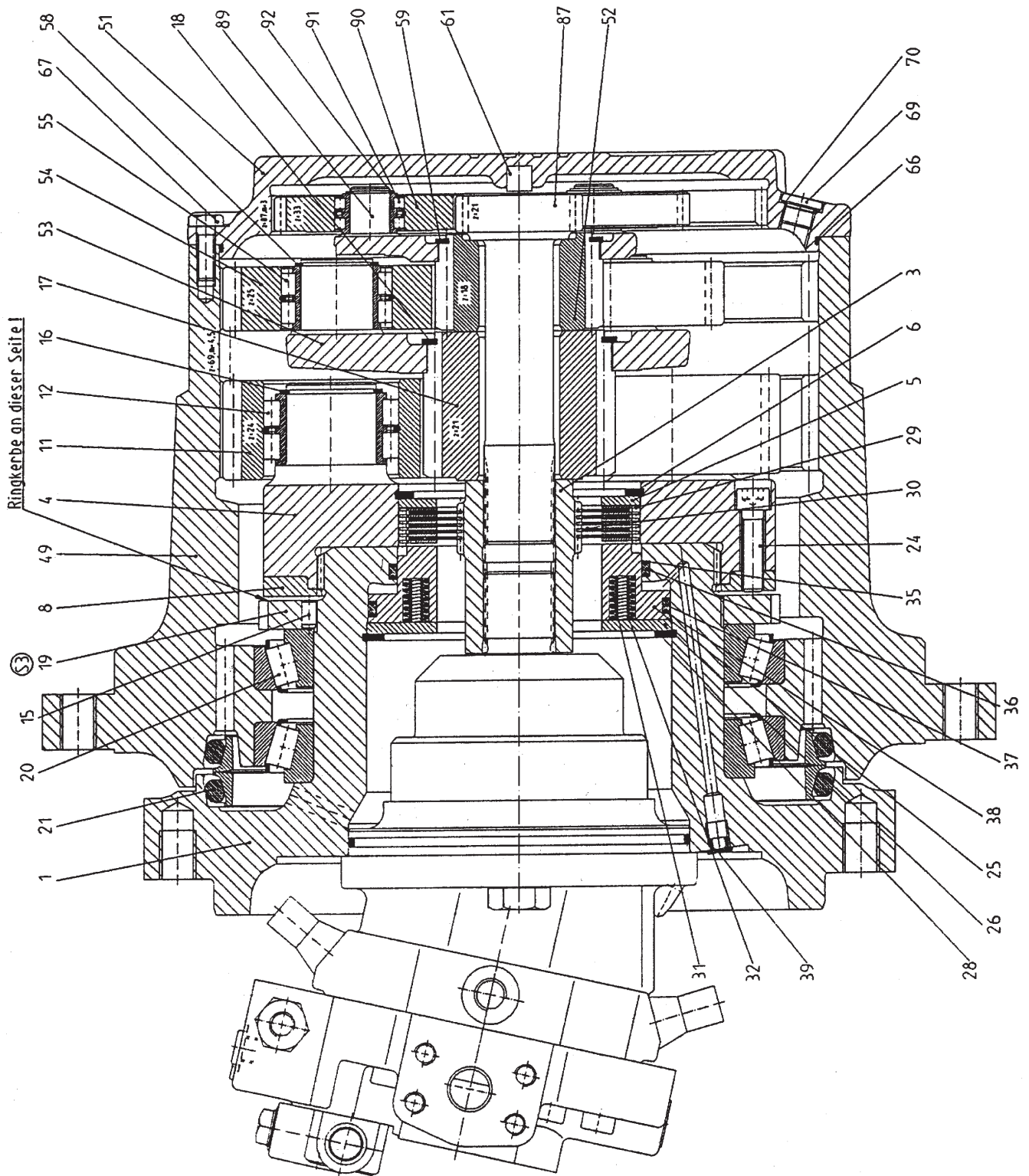
Parts T3676 0808
9.375

Frame Installation

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	2		TRACK FRAME ASSEMBLY	TS
2	21382-TS	2		O-RING, Rexroth Motor (Rexroth 16463252)	
3	REF.	2		TRACK HYDRAULIC MOTOR	TS
4	18259-TS	4		BOLT - (Rexroth 16441363)	
5	19333-TS	1		COVER, LEFT MOTOR - 725 (1C-7899)	
5	19332-TS	1		COVER, RIGHT MOTOR - 725 (1C-7898)	
6	18735-TS	16		WASHER, FLAT - 12MM	
7	18415-TS	16		BOLT - 12MM-1.75P X 30MM	



See referenced page for component or assembly breakdown.

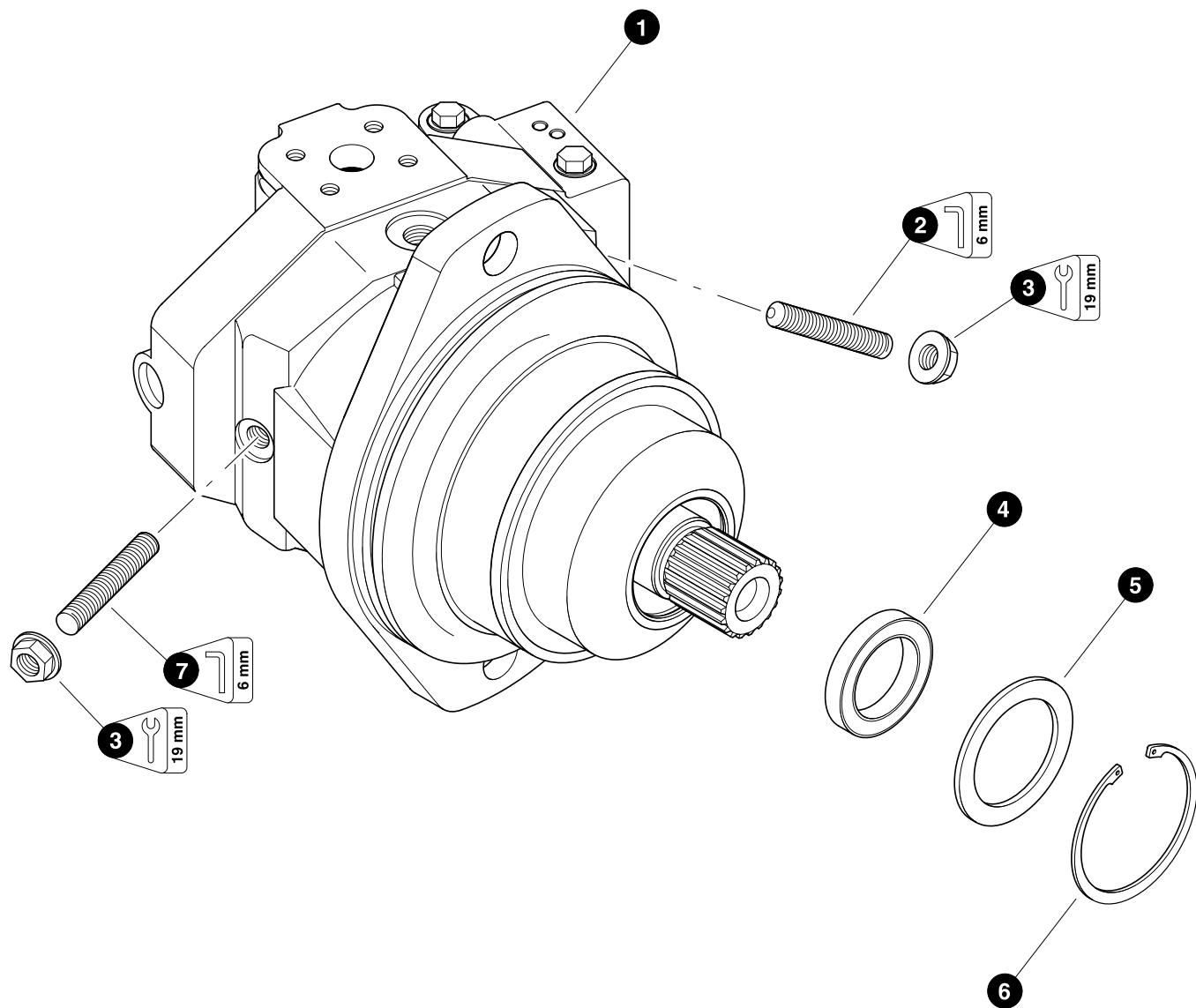


Parts 02060 03/12/2001
6.25

TRACK FRAME ASSEMBLY

(Final Drive - Lohmann/Rexroth)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	19973	2	☐	TRACK FINAL DRIVE	
1	21335	1		SPINDLE	
3	21336	1		COUPLING, spur gear	
4	21337	1		CARRIER, planet - inner	
5	21338	1		PLATE, back-up - brake (Carrier location)	
6	21339	1		RING, snap - brake (Carrier location)	
8	21340	1		RING, locating	
11	21341	1		PLANETARY GEAR SET - inner (Only available as a set of 5 gears)	
12	21342	5		BEARING, roller - inner planetary gear	
15	21343	2		PIN, dowel	
16	21347	5		RING, snap - inner planetary gear	
17	21348	1		GEAR, sun - inner	
18	21349	1		RING, snap - inner sun gear	
19	21350	1		NUT, shaft	
20	21351	2		BEARING, tapered roller - spindle	
21	21352	1		SEAL, face	
24	21353	5		BOLT, allen head - 12mm x 45mm	
25	21354	1		PISTON, brake	
26	21355	1		PLATE, back-up - brake (Spindle location)	
28	21356	1		RING, snap - brake (Spindle location)	
29	21357	1		KIT, repair - brake disc (Consists of items #30, 31 & 32 on illustration)	
35	21358	1		KIT, repair - brake seal (Consists of items #36, 37 & 38 on illustration)	
39	21359	1		PLUG, cap	
49	21360	1		HOUSING (Also referred to as ring gear)	
51	21361	1		COVER, housing	
52	21362	1		GEAR, sun - outer	
53	21363	1		CARRIER, planet - middle	
54	21364	1		PLANETARY GEAR SET - middle (Only available as a set of 3 gears)	
55	21365	3		BEARING, roller - middle planetary gear	
58	21366	3		RING, snap - middle planetary gear	
59	21367	1		RING, snap - outer sun gear	
61	21368	1		BUTTON, thrust	
66	21369	1		O-RING, housing cover	
67	21370	12		BOLT - 10mm x 30mm	
69	21371	2		PLUG - 18mm	
70	21372	2		RING, seal - 18mm plug	
87	21373	1		GEAR, spur	
89	21374	1		CARRIER, planet - outer	
90	21375	1		PLANETARY GEAR SET - outer (Only available as a set of 3 gears)	
91	21376	3		BEARING, roller - outer planetary gear	
92	21377	3		RING, snap - outer planetary gear	
☐	Kit or Assembly - includes all items indented underneath.				



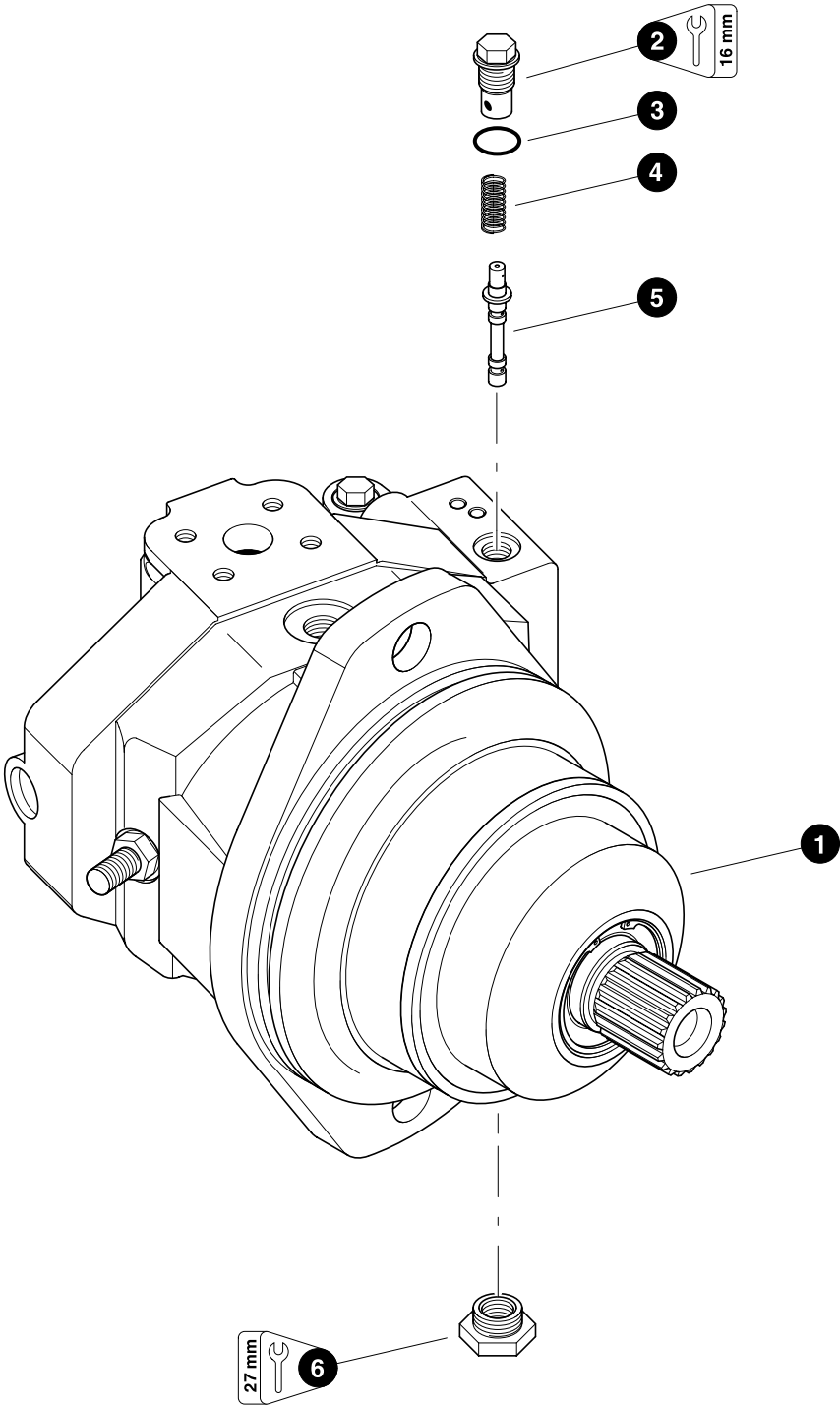
TRACK FRAME ASSEMBLY

(Track Drive Motor / Rexroth)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	25019-TS	1	□	MOTOR, TRACK - 725/425	
2	21633-TS	1		SCREW	
3	20689-TS	2	⚙	NUT	
4	19525-TS	1	⚙	SEAL	
5	21629-TS	1		SHIM	
6	21631-TS	1		RING	
7	21634-TS	1		SCREW	
-	21635-TS	1		KIT, SEAL REPAIR - REXROTH AA6VE80	
-	21636-TS	1		KIT, SEAL REPAIR - REXROTH AA6VE107	

□ Kit or Assembly - includes all items indented underneath.

⚙ Included in seal repair kit part number 21636-TS



Parts 00997 11/20/2000
50.00

TRACK FRAME ASSEMBLY

(Track Drive Motor / Rexroth)

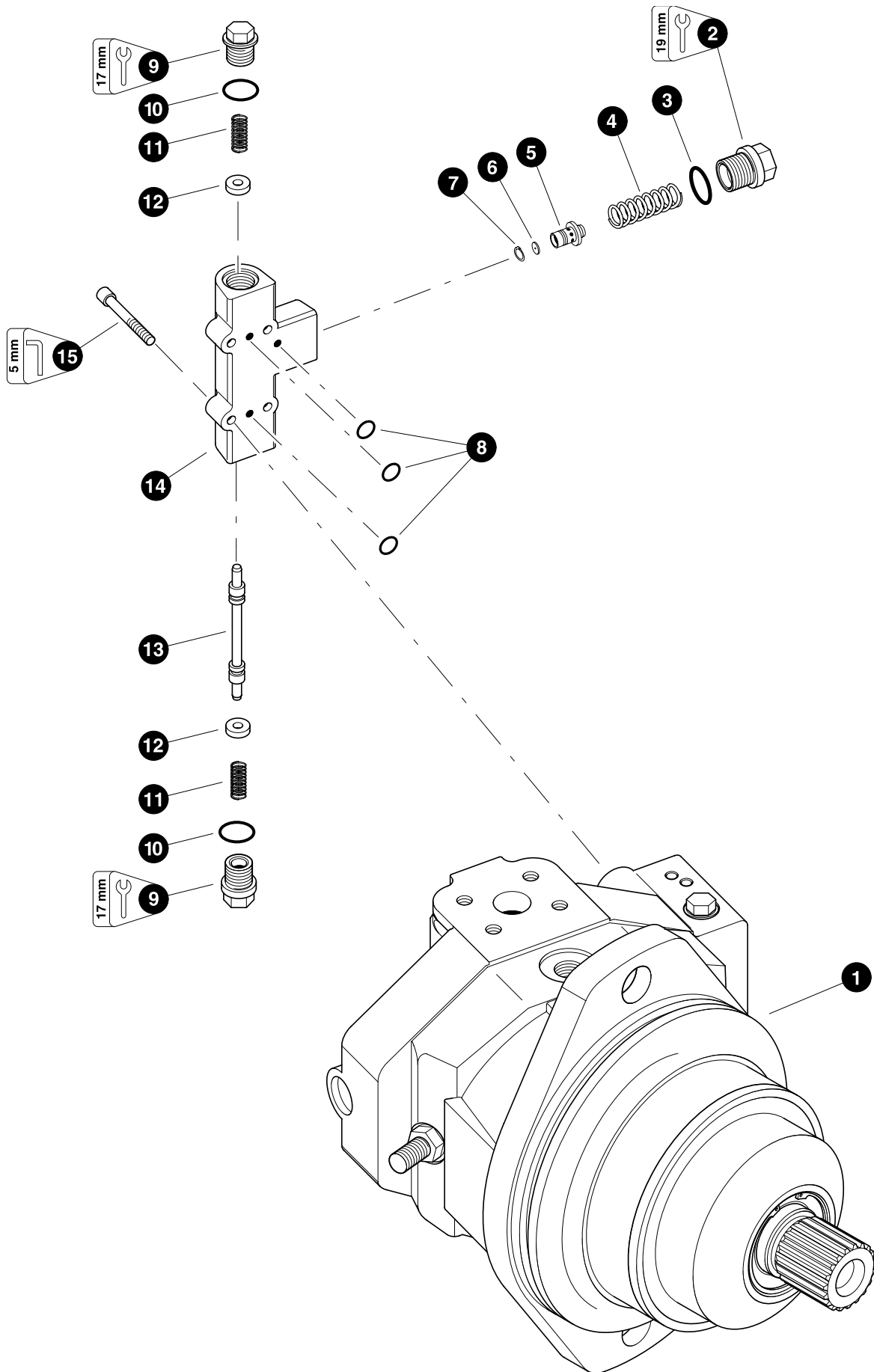
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1	□	MOTOR, TRACK 725	TS-2-20
2	21637-TS	1		PLUG, stroker cover	
3	20720-TS	2	⊗	O-RING, Stroker cover plug	
4	21639-TS	1		SPRING, stroker cover	
5	21640-TS	1		SPOOL, stroker cover	
6	21641-TS	1		BUSHING, reducer	
-	21635-TS	1		KIT, SEAL REPAIR - REXROTH AA6VE80	
-	21636-TS	1		KIT, SEAL REPAIR - REXROTH AA6VE107	

□ Kit or Assembly - includes all items indented underneath.

⊗ Included in seal repair kit part number 21636-TS

□ Kit or Assembly - includes all items indented underneath.

⊗ Included in seal repair kit part number 21636-TS



TRACK FRAME ASSEMBLY

(Track Drive Motor / Rexroth)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1	☐	MOTOR, TRACK 735/445	TS-2-20
-	21643-TS	1	☐	VALVE, flushing	
2	20691-TS	1		PLUG,	
	21644-TS	1		SHIM	
3	20713-TS	1	⊗	O-RING	
4	20714-TS	1		SPRING	
5	20716-TS	1		POPPET	
6	21645-TS	3		ORIFICE	
7	20718-TS	2		RING	
8	21646-TS	2	⊗	O-RING	
9	20719-TS			PLUG	
10	20720-TS		⊗	O-RING	
11	21647-TS	2		SPRING	
12	20722-TS	2		SPRING, retainer	
13	NSS	1		SPOOL	
14	NSS	1		BODY	
15	21582-TS	4		BOLT	
-	21635-TS	1		KIT, SEAL REPAIR - REXROTH AA6VE80	
-	21636-TS	1		KIT, SEAL REPAIR - REXROTH AA6VE107	

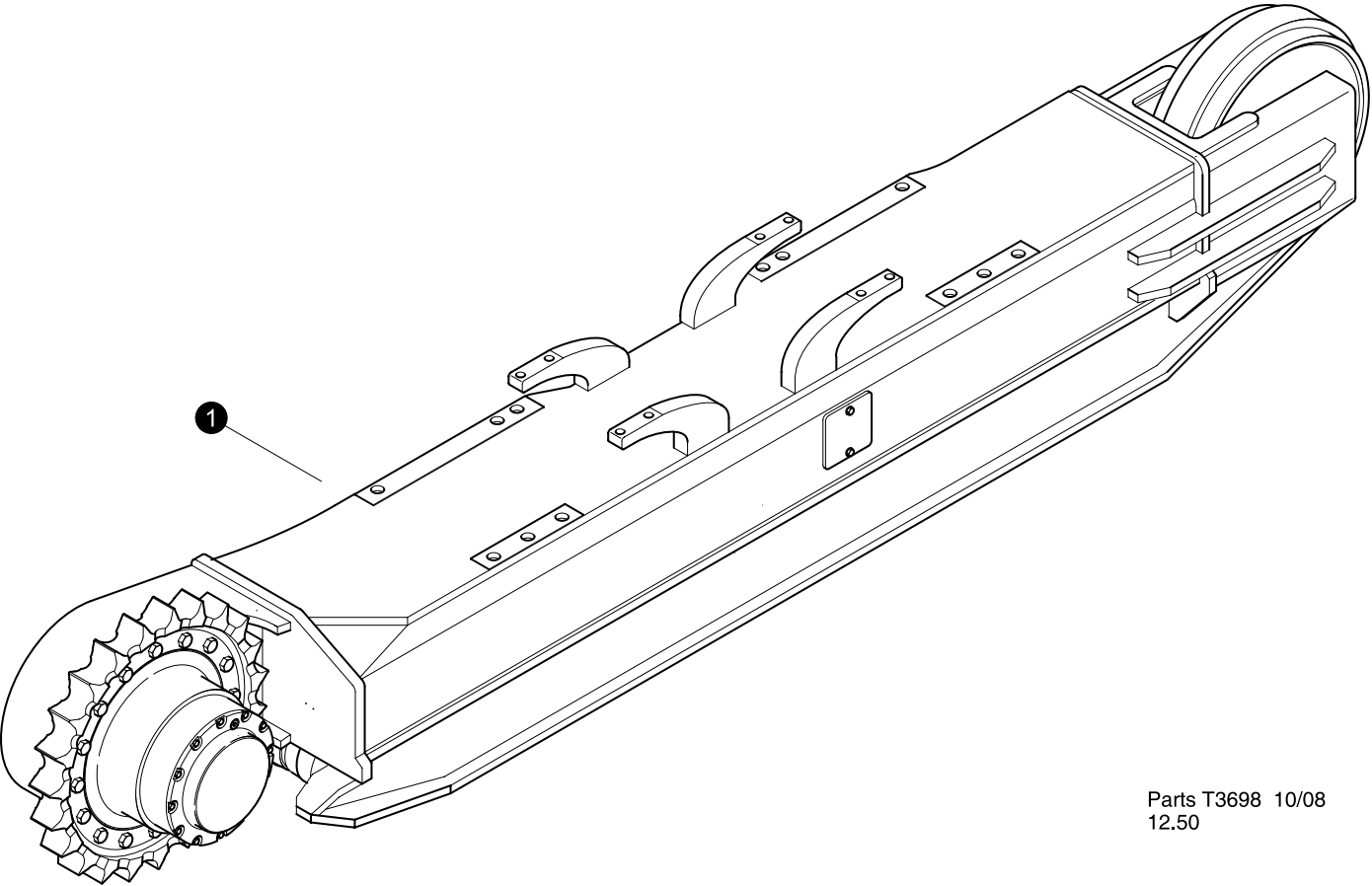
☐ Kit or Assembly - includes all items indented underneath.

⊗ Included in seal repair kit part number 21636-TS

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Section TS-2

Track Systems - 735 Undercarriage

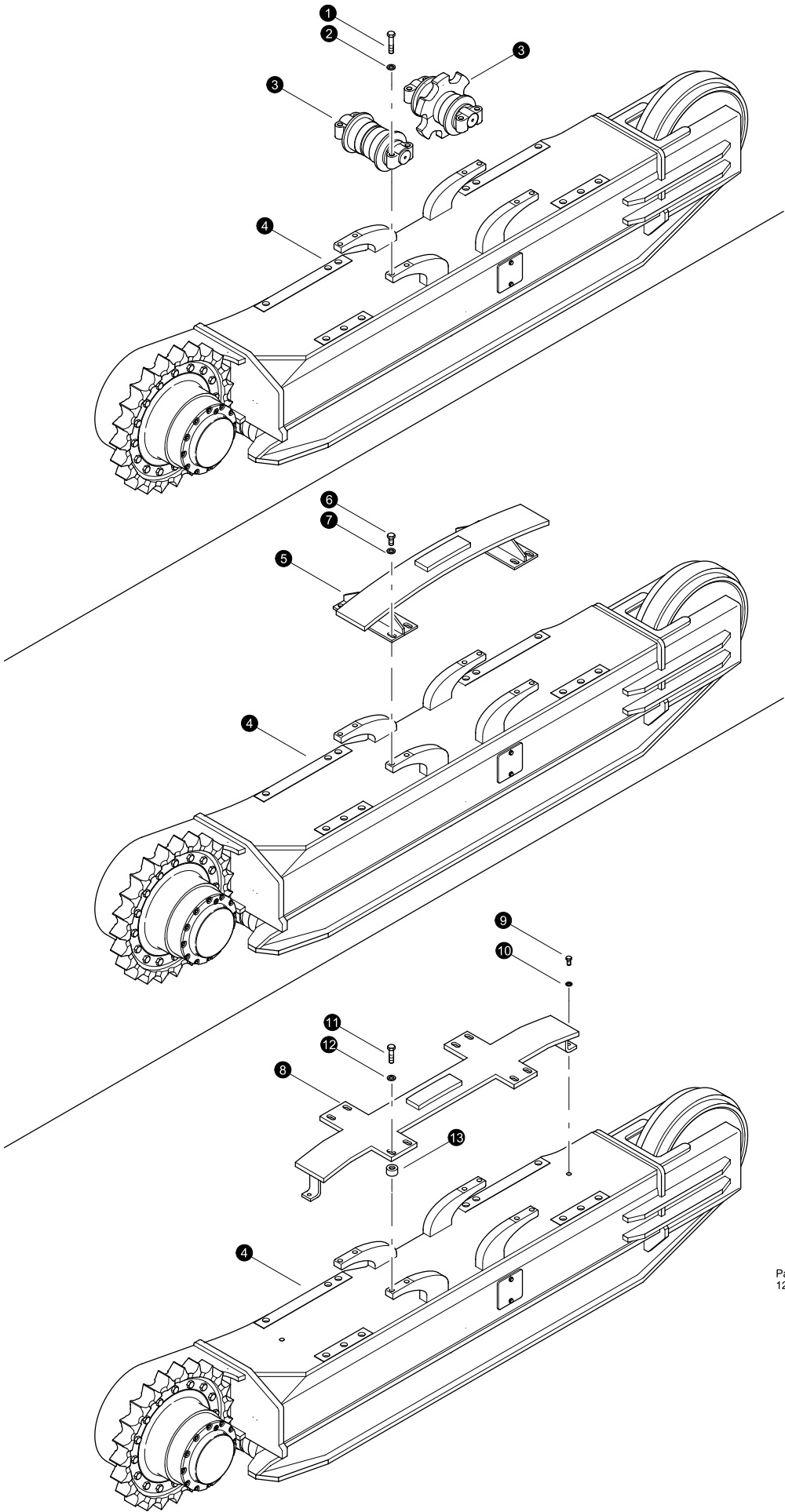


Parts T3698 10/08
12.50

TRACK FRAME ASSEMBLY

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	53066-TS	1	☐	TRACK FRAME SET - CAT 330 (left and right (standard)) 735	
-	-TS	1		Frame, Right Side (299-4160)	
-	-TS	1		Frame, Left Side (299-4161)	

☐ Kit or Assembly - includes all items indented underneath.



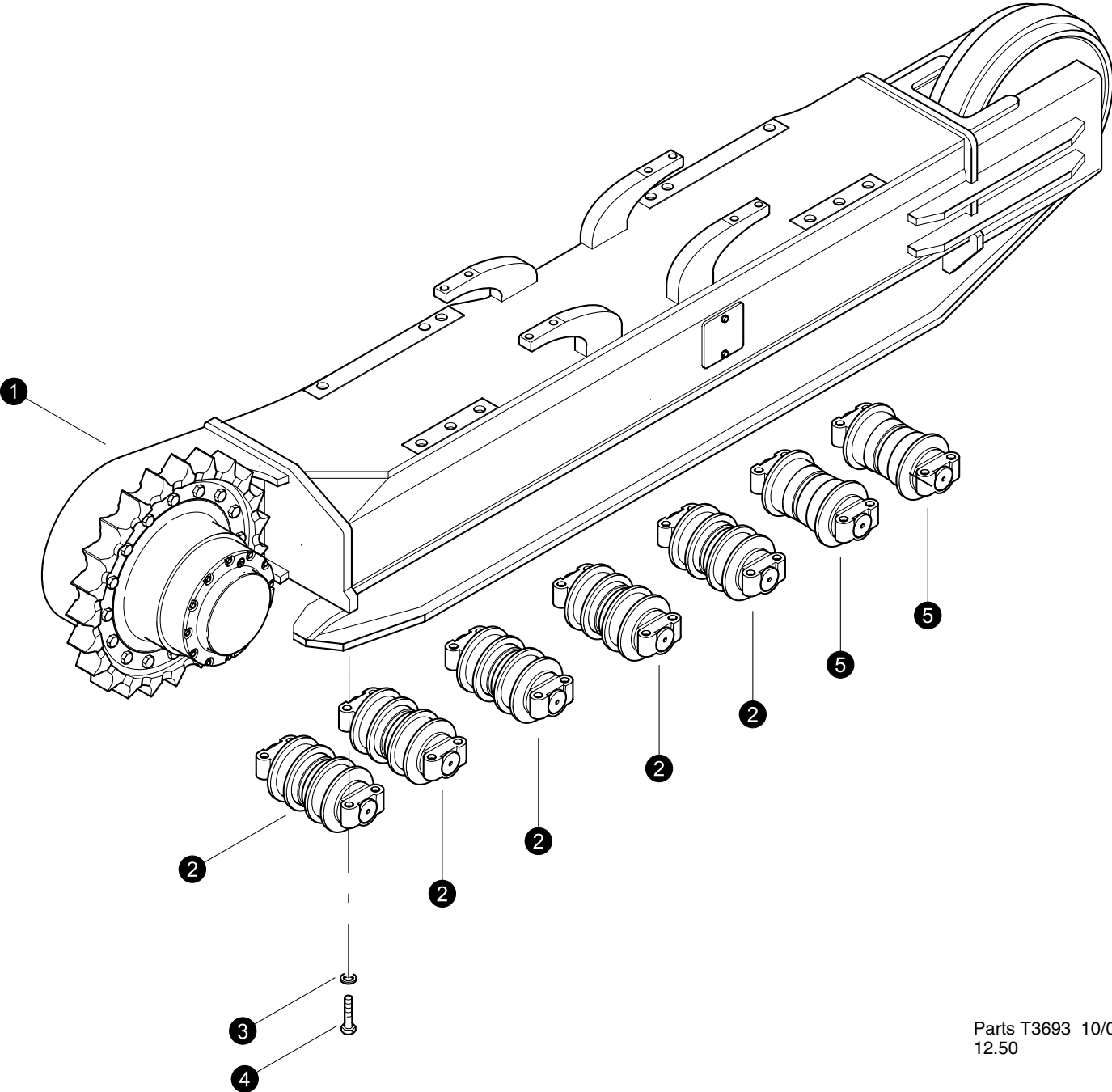
Parts T3692 10/08
12.50

TRACK FRAME ASSEMBLY

(Upper Roller/Slide Installation)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	57249-TS	8	BOLT - 24MM-3.0 X 120MM	
2	19926-TS	8	WASHER, BOLT - ROLLER (330)	
3	53221-TS	2	ROLLER GP - SFLG (330)	
3	53759-TS	2	ROLLER, STAR SFLG (330) optional	
4	REF	1	TRACK FRAME ASSEMBLY	TS-2-2
5	22728-TS	1	SLIDER, track	
6	21444-TS	8	BOLT - 24MM X 2.0P X 50MM	
7	19926-TS	8	WASHER, BOLT - ROLLER (330)	
8	53949-TS	1	SLIDER, TRACK - "Only used on 11'-2" CAR BODY TL735B"	
9	15502-TS	2	BOLT - .625" X 1.5"	
10	10771-TS	2	WASHER, SAE FLAT - .625"	
11	53946-TS	8	BOLT - 24MM-3.0-100MM 10.9	
12	19926-TS	8	WASHER, BOLT	
13	53950-TS	8	SPACER, TRACK SLIDER - 1.62" X 1"	

☐ Kit or Assembly - includes all items indented underneath.



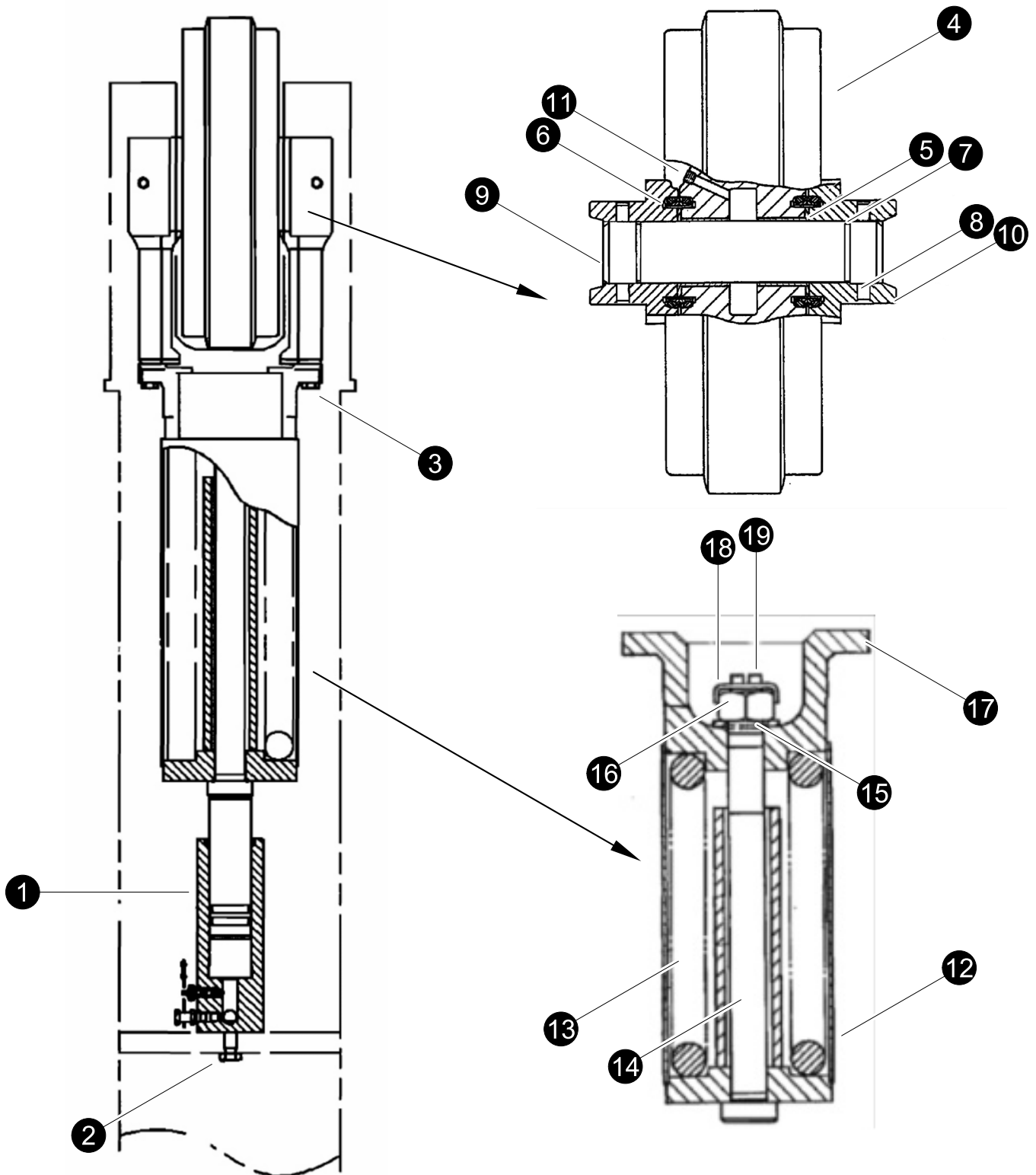
Parts T3693 10/08
12.50

TRACK FRAME ASSEMBLY

(Lower Roller Group Installation)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	TRACK FRAME ASSEMBLY	TS-2
2	53689-TS	5	ROLLER, BOTTOM DOUBLE FLANGE - 330	
3	8T-4167-TS	32	WASHER - HARD	
4	7X-2454-TS	32	BOLT - BOLT, 24mm - 3.0 - 110mm (Torque to 450 ft lbs (600 Nm))	
5	53221-TS	2	ROLLER GP - SFLG (330) 183-2879	

☐ Kit or Assembly - includes all items indented underneath.

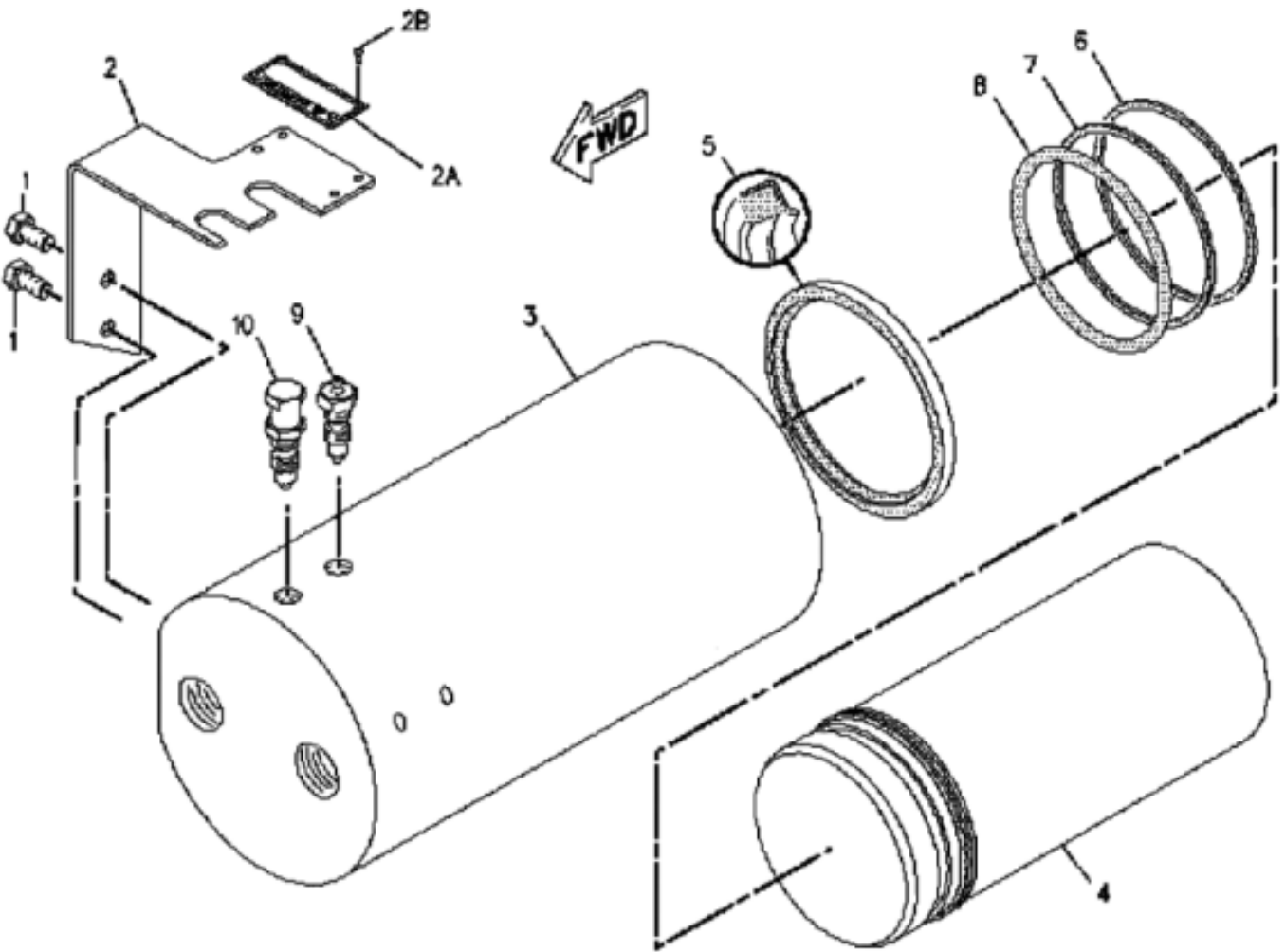


Parts T3695 10/08
12.50

TRACK FRAME ASSEMBLY**(Front Idler Installation)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		IDLER ADJUSTMENT CYLINDER	TS-2-10
2	21459-TS	2		BOLT	
3	21461-TS	4		BOLT	
4	17873-TS	1	☐	FRONT IDLER ASSEMBLY	
5	136-3874-TS	1		IDLER WHEEL AS	
6	109-0881-TS	2		SEAL GP	
7	21517-TS	2		SEAL GP	
8	21520-TS	2		PIN	
9	21518-TS	1		SHAFT	
10	21519-TS	2		BEARING	
11	21492-TS	1		PLUG	
12	7Y-1878-TS	1		SUPPORT AS	
13	7Y-1874-TS	1		SPRING	
14	7Y-1872-TS	1		ROD	
15	7Y-1459-TS	1		WASHER	
16	7Y-1460-TS	1		NUT	
17	101-2620-TS	1		SUPPORT	
18	7Y-1221-TS	1		STRIP	
19	8T-9080-TS	2		BOLT	

☐ Kit or Assembly - includes all items indented underneath.



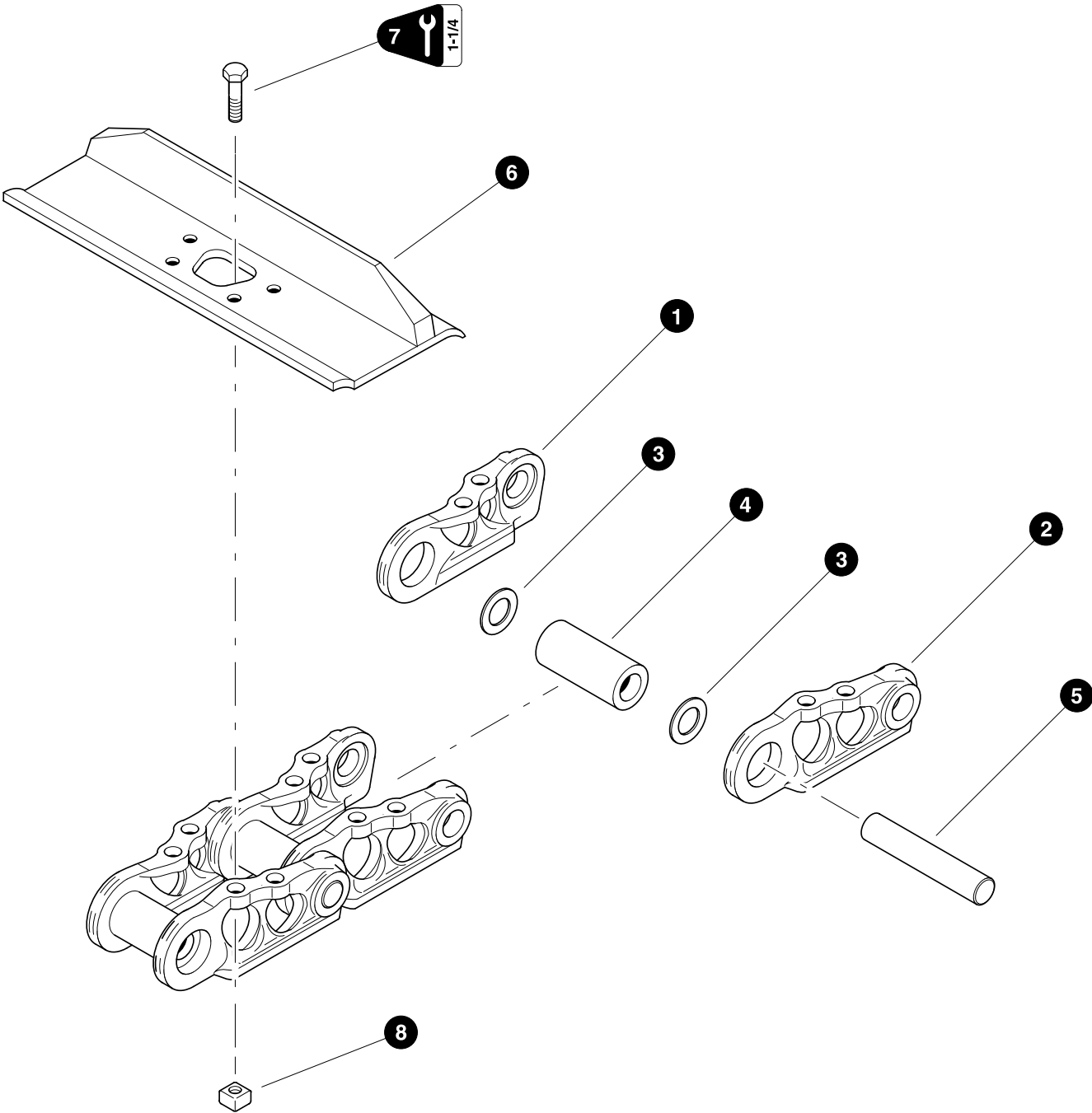
Parts T3696 10/08
12.50

TRACK FRAME ASSEMBLY

(Idler Adjustment Cylinder)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	7Y-1635-TS	1	☐	IDLER ADJUSTMENT GROUP	
1	8T-4191-TS	2		BOLT	
2	6I-6550-TS	1		PLATE AS	
3	7Y-1866-TS	1		CYLINDER	
4	7Y-1867-TS	1		PISTON	
5	093-1437-TS	1		SEAL	
6	7Y-1884-TS	2		RING	
7	093-1509-TS	2		RING	
8	248-7178-TS	2		SEAL	
9	095-2927-TS	1		VATSE - FILL	
10	2S-5926-TS	1		VATSE - RELIEF	

☐ Kit or Assembly - includes all items indented underneath.

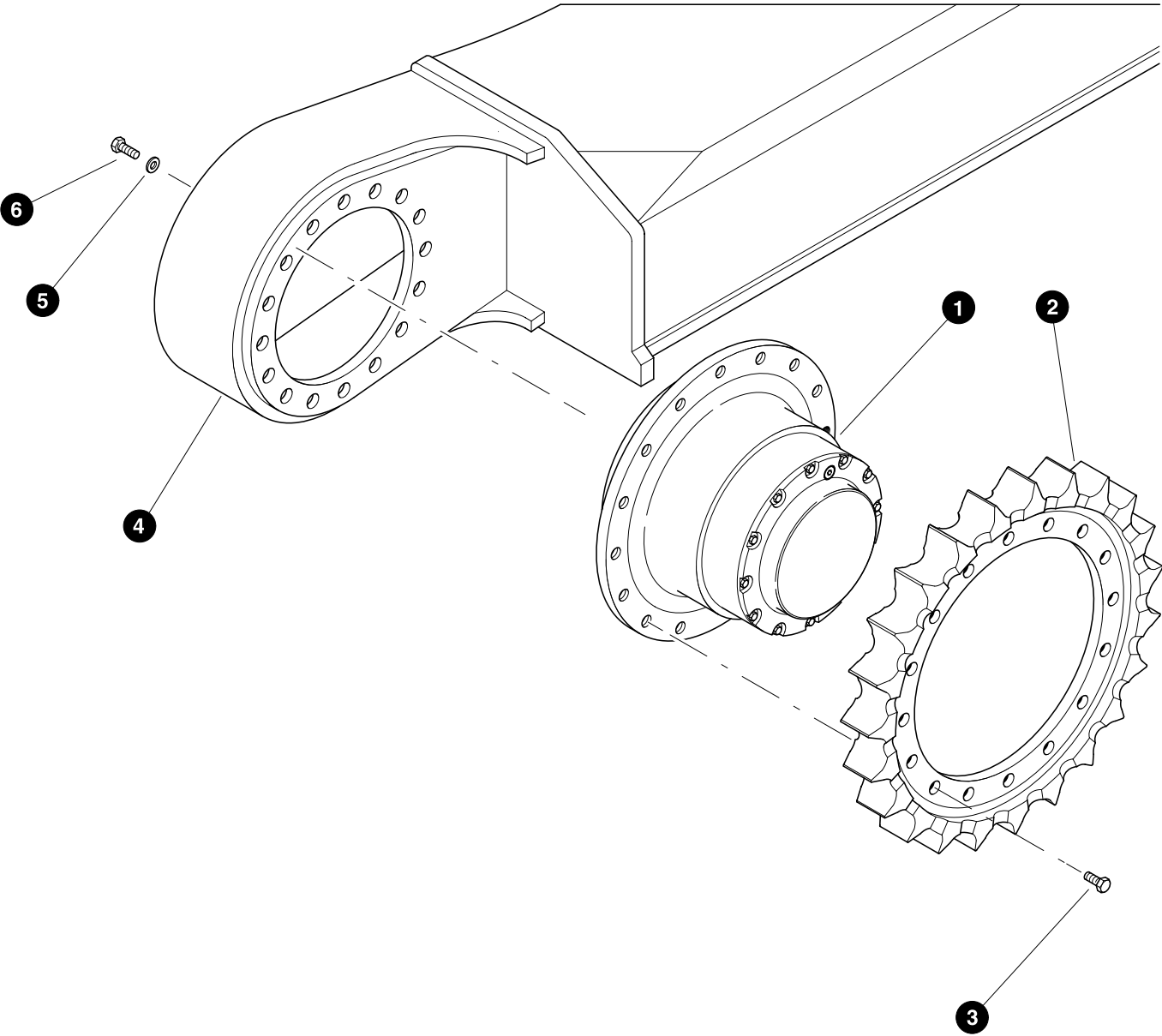


TRACK FRAME ASSEMBLY (chain and track pads) Standard - short track

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	53101	1	TRACK, RAIL W/600 SINGLE (45 LINK) D-7	
-	53102	1	TRACK, RAIL W/700 SINGLE (45 LINK) D-7	
-	53271	1	TRACK, RAIL W/700 SG (45LINK) D-7 BERCO	
1	21450-TS	45	LINK (left)	
2	21451-TS	45	LINK (right)	
3	179-3426-TS	88	SEAL, link	
-	179-3428-TS	2	SEAL, master link	
4	201-0827-TS	44	BUSHING,	
-	201-0828-TS	1	BUSHING, master link	
5	21456-TS	44	PIN,	
-	21457-TS	1	PIN, master link	
6	17861-TS	45	SHOE - 600 SINGLE	
-	21055-TS	45	SHOE - 700 SINGLE	
-	-TS	45	SHOE - 700 SINGLE (BERCO)	
7	18354-TS	180	BOLT, TRACK SHOE (Torque to 300 ft lbs (400 Nm))	
8	17864-TS	180	NUT, TRACK SHOE	

 Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.



Parts 00652 09/02/96
12.50

TRACK FRAME ASSEMBLY

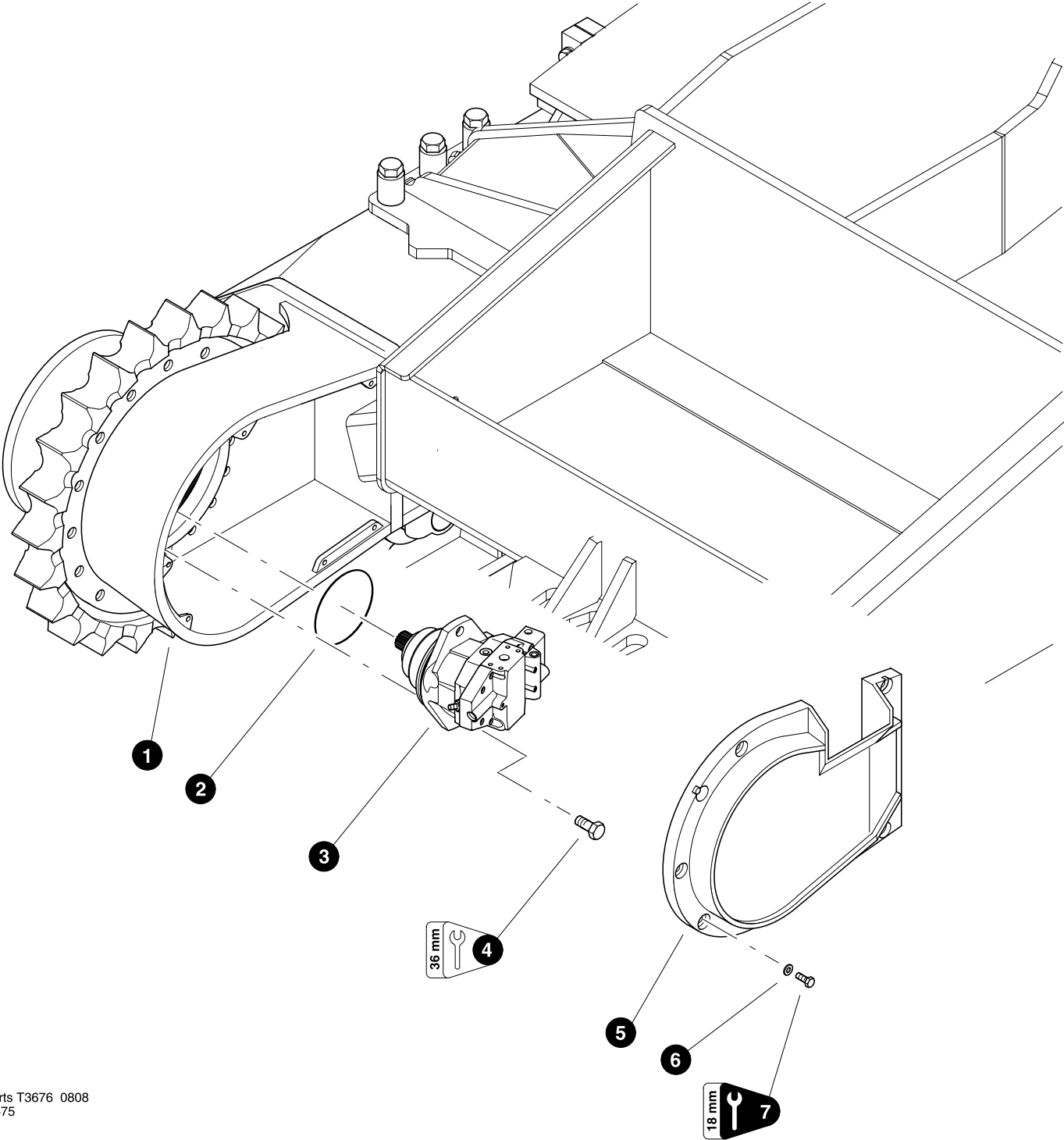
(Final Drive - Installation)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	FINAL DRIVE ASSEMBLY	TS-2-15
2	21443-TS	1	SPROCKET, FINAL DRIVE (325)	
3	21444-TS	16	BOLT - 24MM (Torque to 660 ft lbs (900 Nm)) (see note below)	
4	REF	1	TRACK FRAME ASSEMBLY	TS-2-1
5	19926-TS	20	WASHER - HARD 24MM	
6	24535-TS	20	BOLT - 24MM x 80MM (Torque to 660 ft lbs (900 Nm)) (see note below)	

☐ Kit or Assembly - includes all items indented underneath.

NOTE:

Use Loctite 272 (blue / medium) during installation.



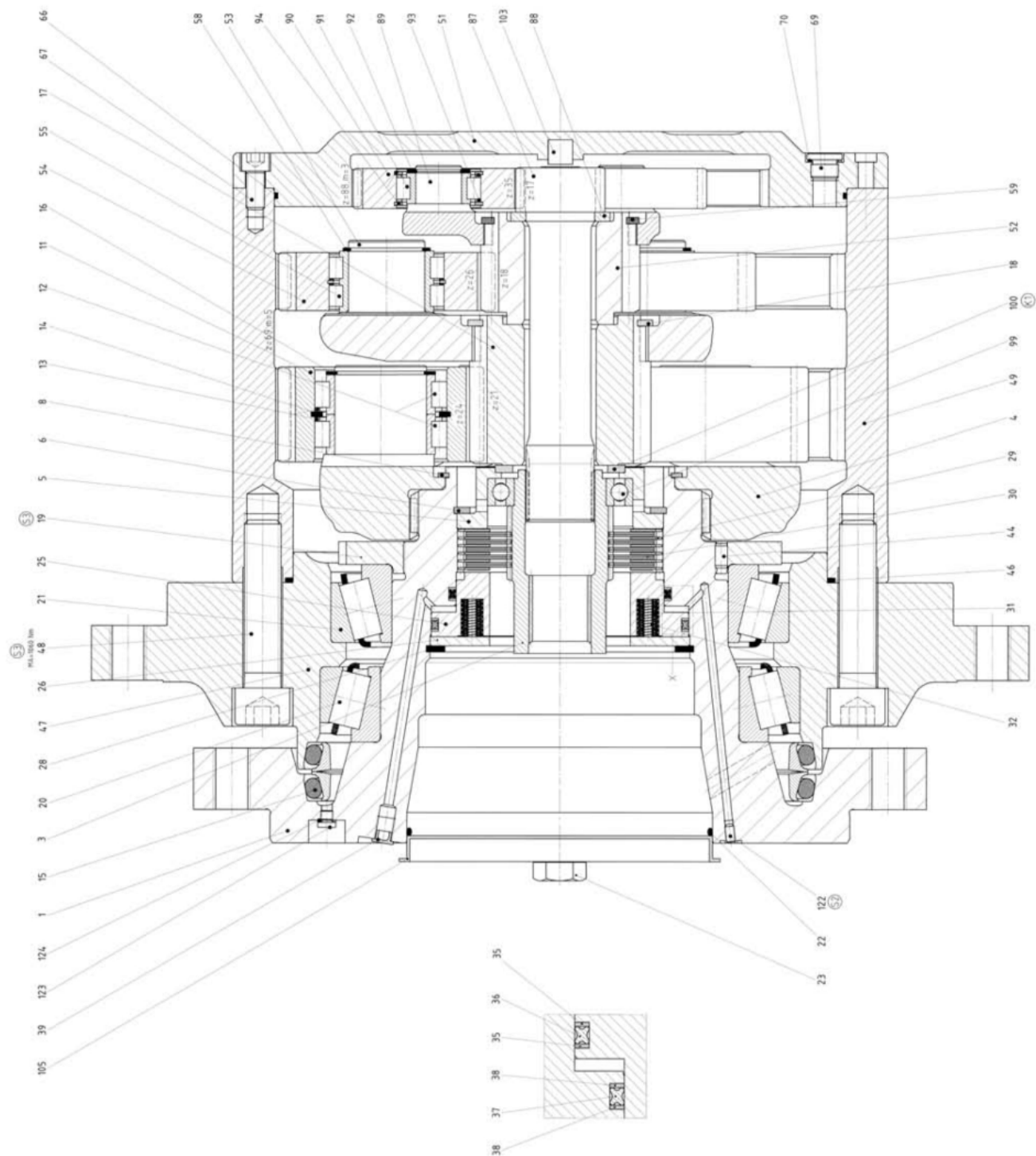
Parts T3676 0808
9.375

Frame Installation

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	2		TRACK FRAME ASSEMBLY	TS
2	21713-TS	2		O-RING, Rexroth Motor (Rexroth 16463252)	
3	REF.	2		TRACK HYDRAULIC MOTOR	TS
4	21383-TS	4		BOLT - (Rexroth 16441363)	
5	17870-TS	1		COVER, LEFT MOTOR - 735	
5	17871-TS	1		COVER, RIGHT MOTOR - 735	
6	18735-TS	16		WASHER, FLAT - 12MM	
7	18415-TS	16		BOLT - 12MM-1.75P X 30MM	



See referenced page for component or assembly breakdown.



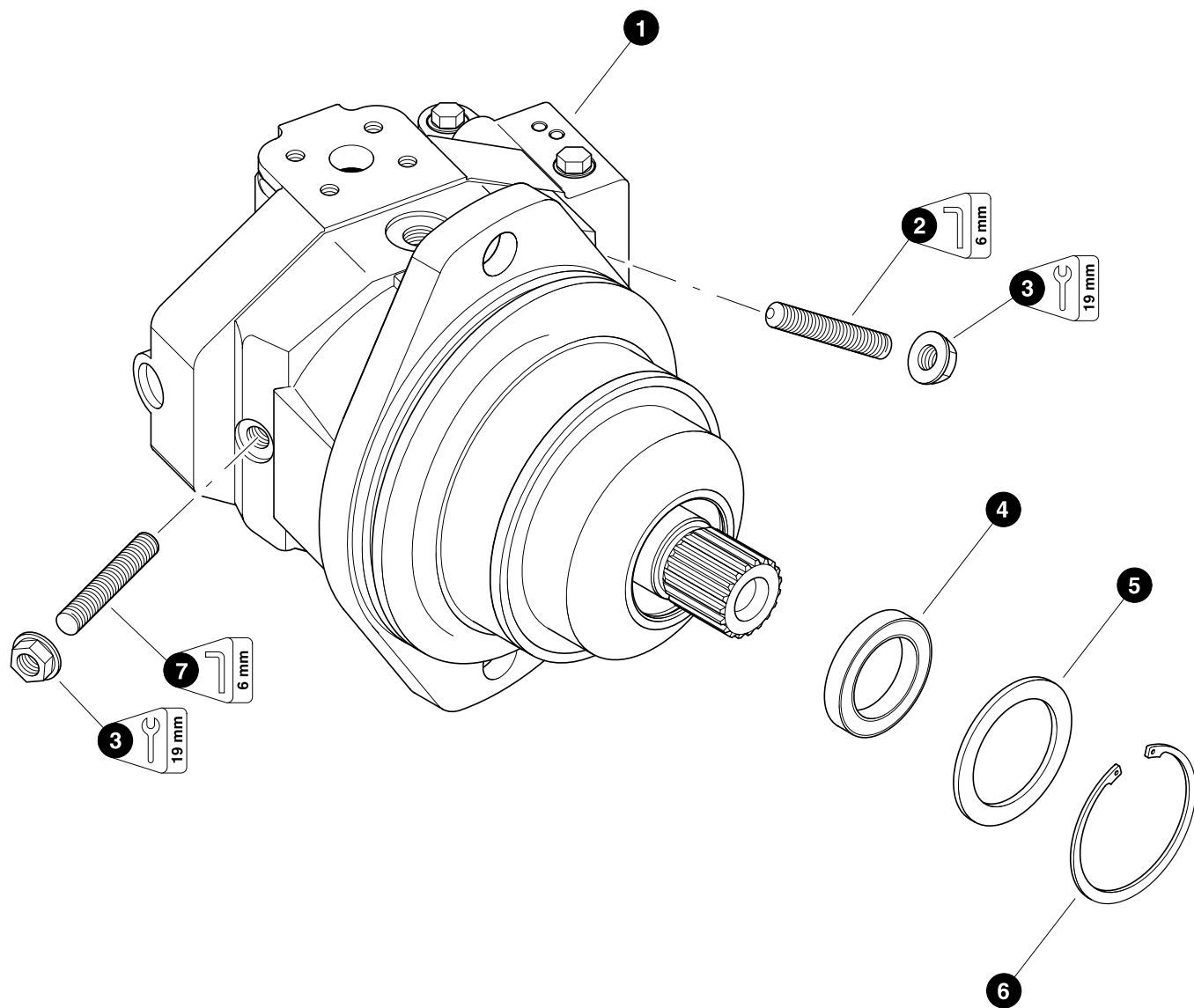
Parts T3699 10/08
12.50

TRACK FRAME ASSEMBLY

(Final Drive - Lohmann/Rexroth)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	19860-TS	1	☐	FINAL DRIVE ASSY. - 725 (LOH GFT80)	
1	21402	1		SPINDLE	
3	21403	1		COUPLING, spur gear	
4	21404	1		CARRIER, planet - inner	
5	21405	1		PLATE, back-up - brake (Carrier location)	
6	21339	1		RING, snap - brake (Carrier location)	
8	21406	1		RING, snap - inner carrier	
11	21407	1		PLANETARY GEAR SET - inner (Only available as a set of 5 gears)	
12	21408	10		BEARING, roller - inner planetary gear	
13	21409	10		RING, locating - inner planetary gear	
14	21410	1		RING, snap - inner planetary bearing	
15	21411	1		SEAL, face	
16	21412	5		RING, snap - inner planetary gear	
17	21413	1		GEAR, sun - inner	
18	21414	1		RING, snap - inner sun gear	
19	21415	1		NUT, shaft	
20	21416	1		BEARING, tapered roller - inner spindle	
21	21417	1		BEARING, tapered roller - outer spindle	
25	21354	1		PISTON, brake	
26	21355	1		PLATE, back-up - brake (Spindle location)	
28	21356	1		RING, snap - brake (Spindle location)	
31	21418	1		KIT, repair - brake disc (Consists of items #32, 126, 127 on illustration)	
35	21358	1		KIT, repair - brake seal (Consists of items #36, 37 & 38 on illustration)	
39	21359	1		PLUG, cap	
44	21419	2		PIN, dowel	
46	21420	1		O-RING, housing flange	
47	21421	1		FLANGE, housing	
48	21422	24		BOLT, allen head - 24mm x 110mm	
49	21423	1		HOUSING (Also referred to as ring gear)	
51	21424	1		COVER, housing	
52	21425	1		GEAR, sun - outer	
53	21426	1		CARRIER, planet - middle	
54	21427	1		PLANETARY GEAR SET - middle (Only available as a set of 3 gears)	
55	21428	3		BEARING, roller - middle planetary gear	
58	21429	3		RING, snap - middle planetary gear	
59	21430	1		RING, snap - outer sun gear	
66	21431	1		O-RING, housing cover	
67	21432	12		BOLT, socket head - 12mm x 25mm	
69	21371	2		PLUG - 18mm	
70	21372	2		RING, seal - 18mm plug	
87	21433	1		GEAR, spur	
88	21434	1		WASHER, thrust - carrier	
89	21435	1		CARRIER, planet - outer	
90	21436	1		PLANETARY GEAR SET - outer (Only available as a set of 3 gears)	
91	21437	3		BEARING, roller - outer planetary gear	
92	21438	3		RING, snap - outer planetary gear	
93	21439	6		RING, locating - outer planetary gear	
94	21440	6		RING, snap - outer planetary gear	
99	21441	1		BEARING, spur gear coupling	
100	21442	1		WASHER, thrust - sun gear	
103	21368	1		BUTTON, thrust	

☐ Kit or Assembly - includes all items indented underneath.

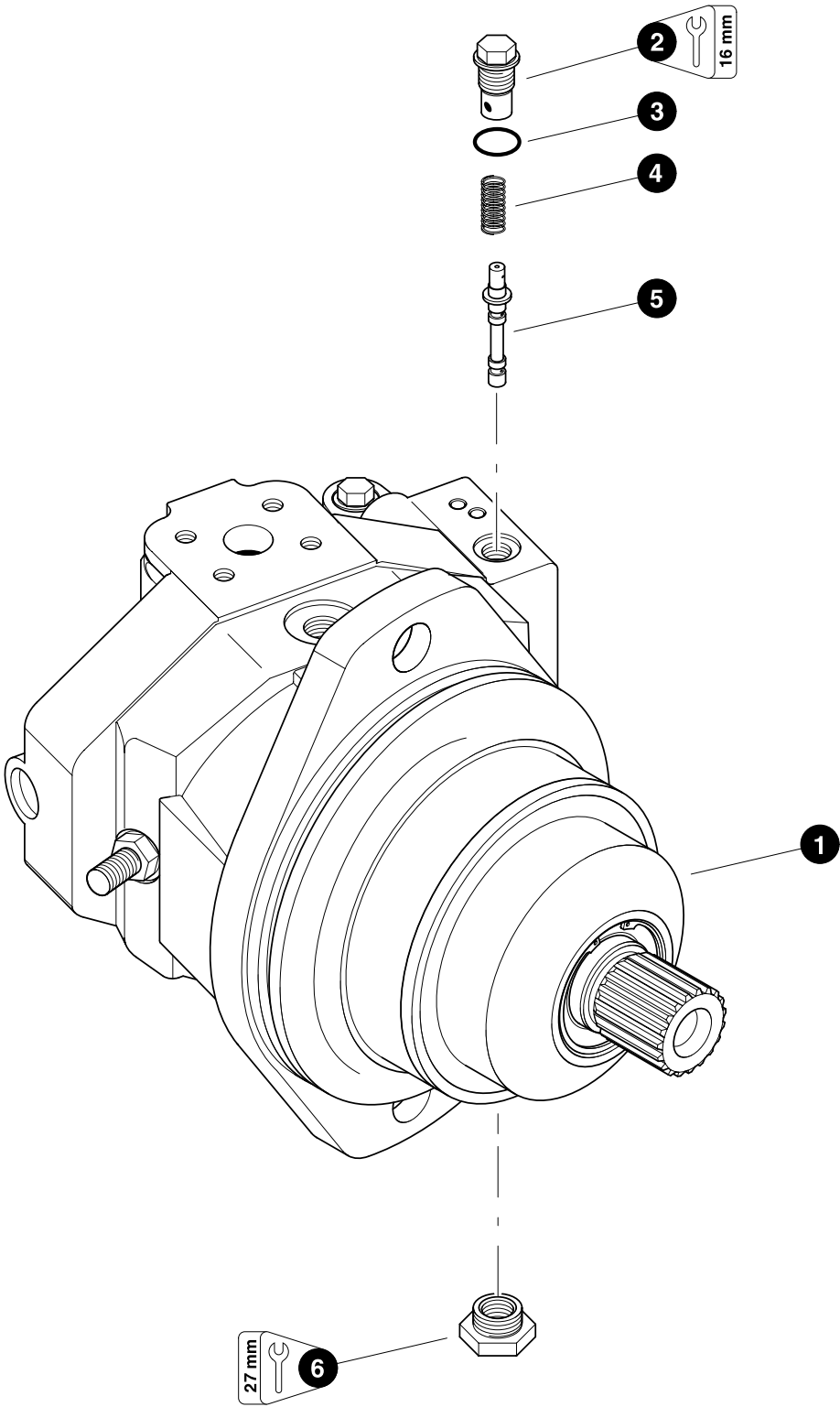


TRACK FRAME ASSEMBLY**(Track Drive Motor / Rexroth)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	21011-TS	1	□	MOTOR, TRACK 735/445	
2	21633-TS	1		SCREW	
3	20689-TS	2	⚙	NUT	
4	21628-TS	1	⚙	SEAL	
5	21630-TS	1		SHIM	
6	21632-TS	1		RING	
7	21634-TS	1		SCREW	
-	21636-TS	1		KIT, SEAL REPAIR - REXROTH AA6VE107	

□ Kit or Assembly - includes all items indented underneath.

⚙ Included in seal repair kit part number 21636-TS



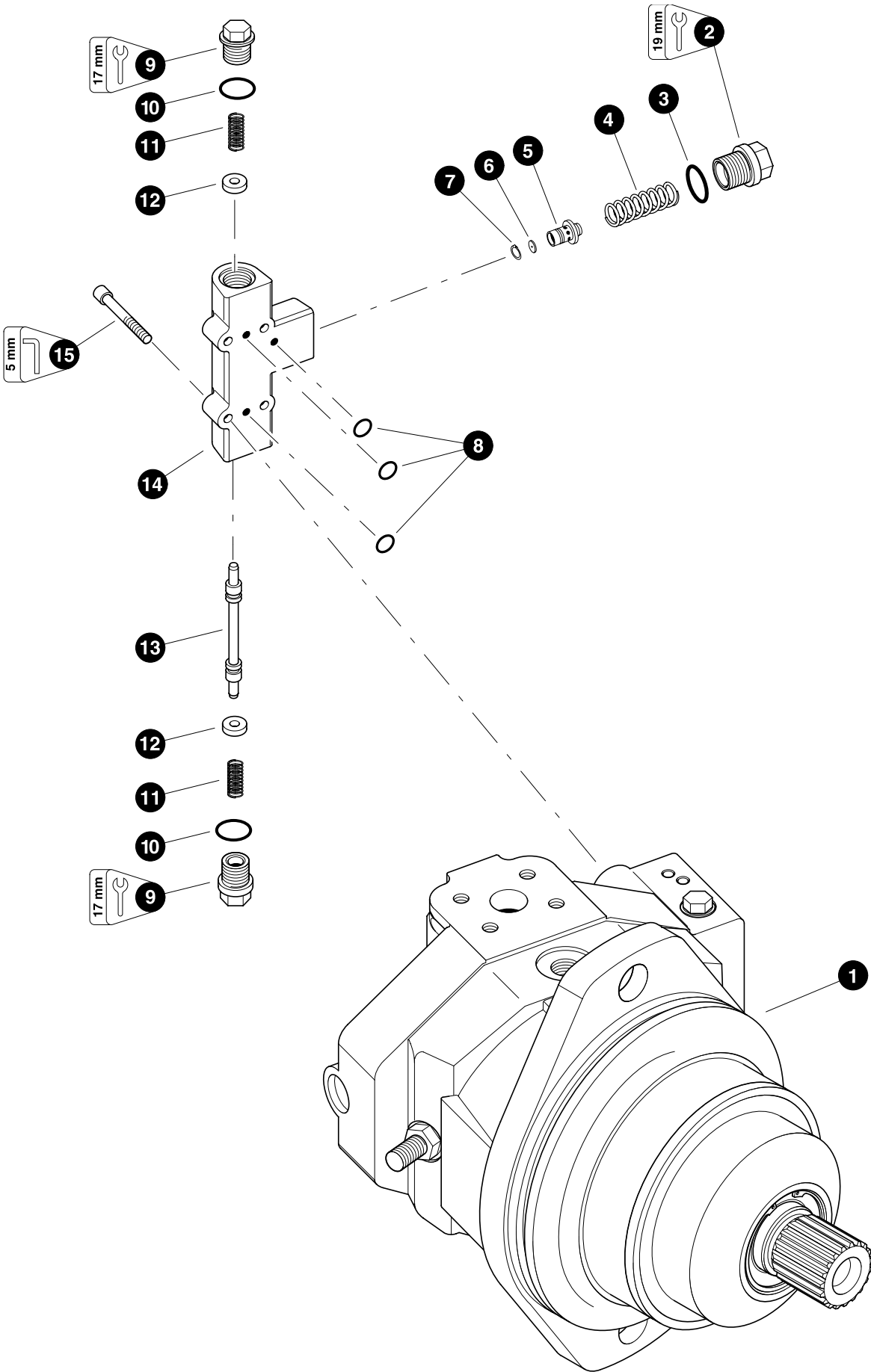
TRACK FRAME ASSEMBLY

(Track Drive Motor, Rear Port Components)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1	□	MOTOR, TRACK 735/445	TS-2-20
2	21638-TS	1		PLUG, stroker cover	
3	20720-TS	2	⊗	O-RING, Stroker cover plug	
4	21639-TS	1		SPRING, stroker cover	
5	21640-TS	1		SPOOL, stroker cover	
6	21642-TS	1		BUSHING, reducer	
-	21636-TS	1		KIT, SEAL REPAIR - REXROTH AA6VE107	

□ Kit or Assembly - includes all items indented underneath.

⊗ Included in seal repair kit part number 21636-TS



TRACK FRAME ASSEMBLY**(Track Drive Motor, Flushing Valve)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1	☐	MOTOR, TRACK 735/445	TS-2-20
-	21643-TS	1	☐	VALVE, flushing	
2	20691-TS	1		PLUG,	
	21644-TS	1		SHIM	
3	20713-TS	1	⊗	O-RING	
4	20714-TS	1		SPRING	
5	20716-TS	1		POPPET	
6	21645-TS	3		ORIFICE	
7	20718-TS	2		RING	
8	21646-TS	2	⊗	O-RING	
9	20719-TS			PLUG	
10	20720-TS		⊗	O-RING	
11	21647-TS	2		SPRING	
12	20722-TS	2		SPRING, retainer	
13	NSS	1		SPOOL	
14	NSS	1		BODY	
15	21582-TS	4		BOLT	

- 21636-TS 1 KIT, SEAL REPAIR - REXROTH AA6VE107

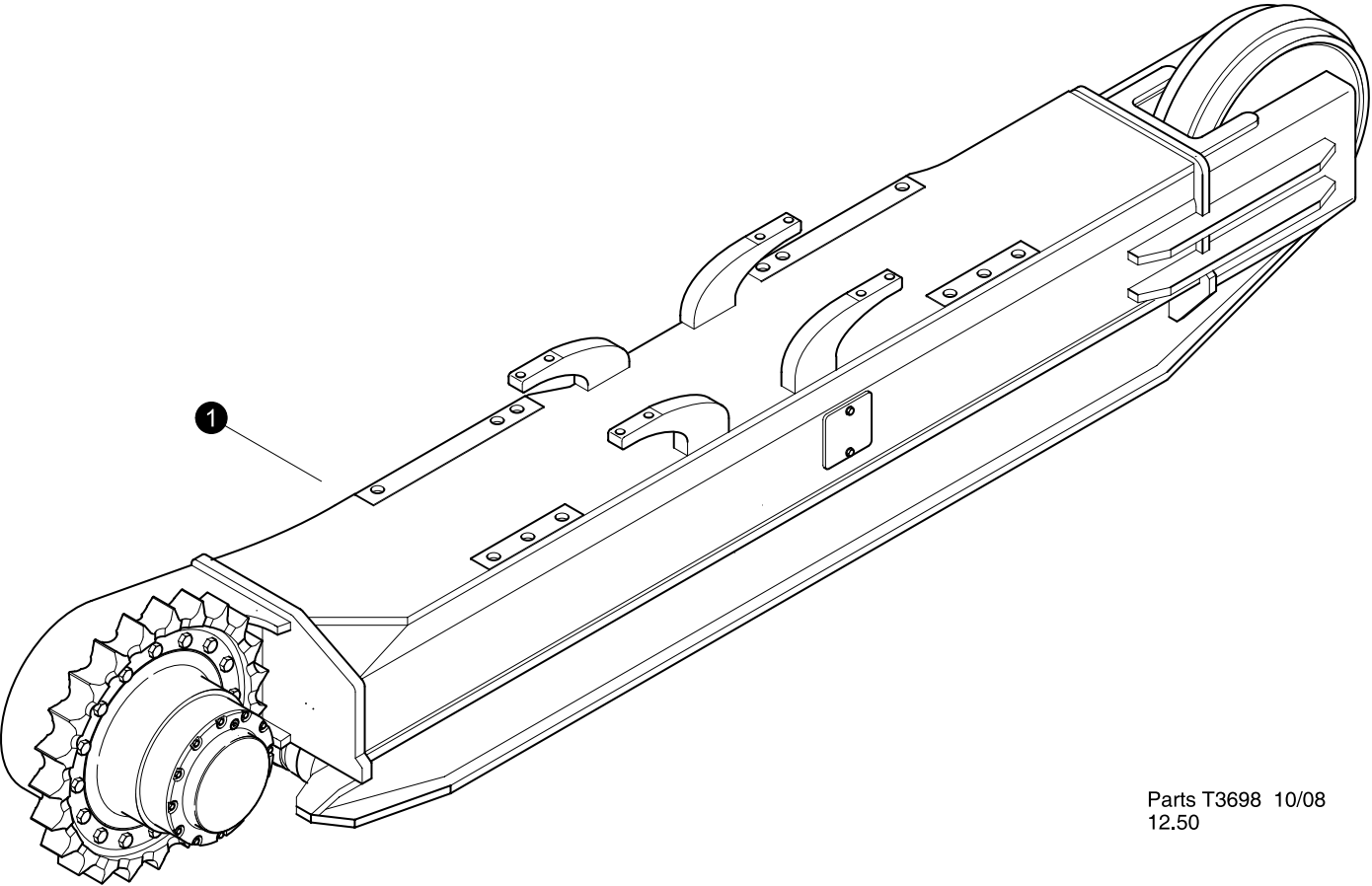
☐ Kit or Assembly - includes all items indented underneath.

⊗ Included in seal repair kit part number 21636-TS

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Section TS-2

Track Systems - 745C Undercarriage

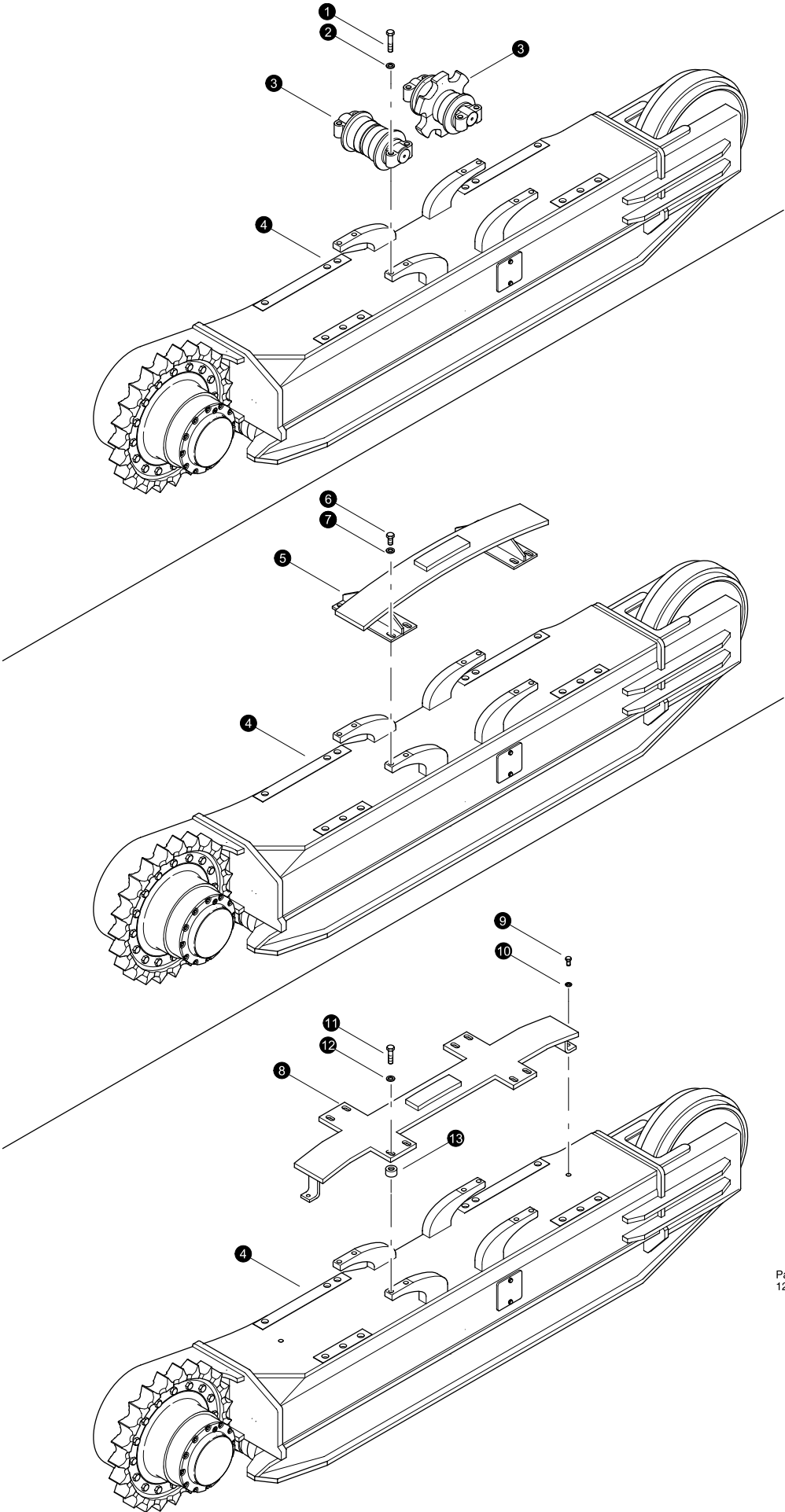


Parts T3698 10/08
12.50

TRACK FRAME ASSEMBLY

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	55155-TS	1	☐	TRACK FRAME SET - CAT 330 Long (left and right) 745C	
-	-TS	1		Frame, Right Side (447-6615-02)	
-	-TS	1		Frame, Left Side (447-6616-02)	

☐ Kit or Assembly - includes all items indented underneath.



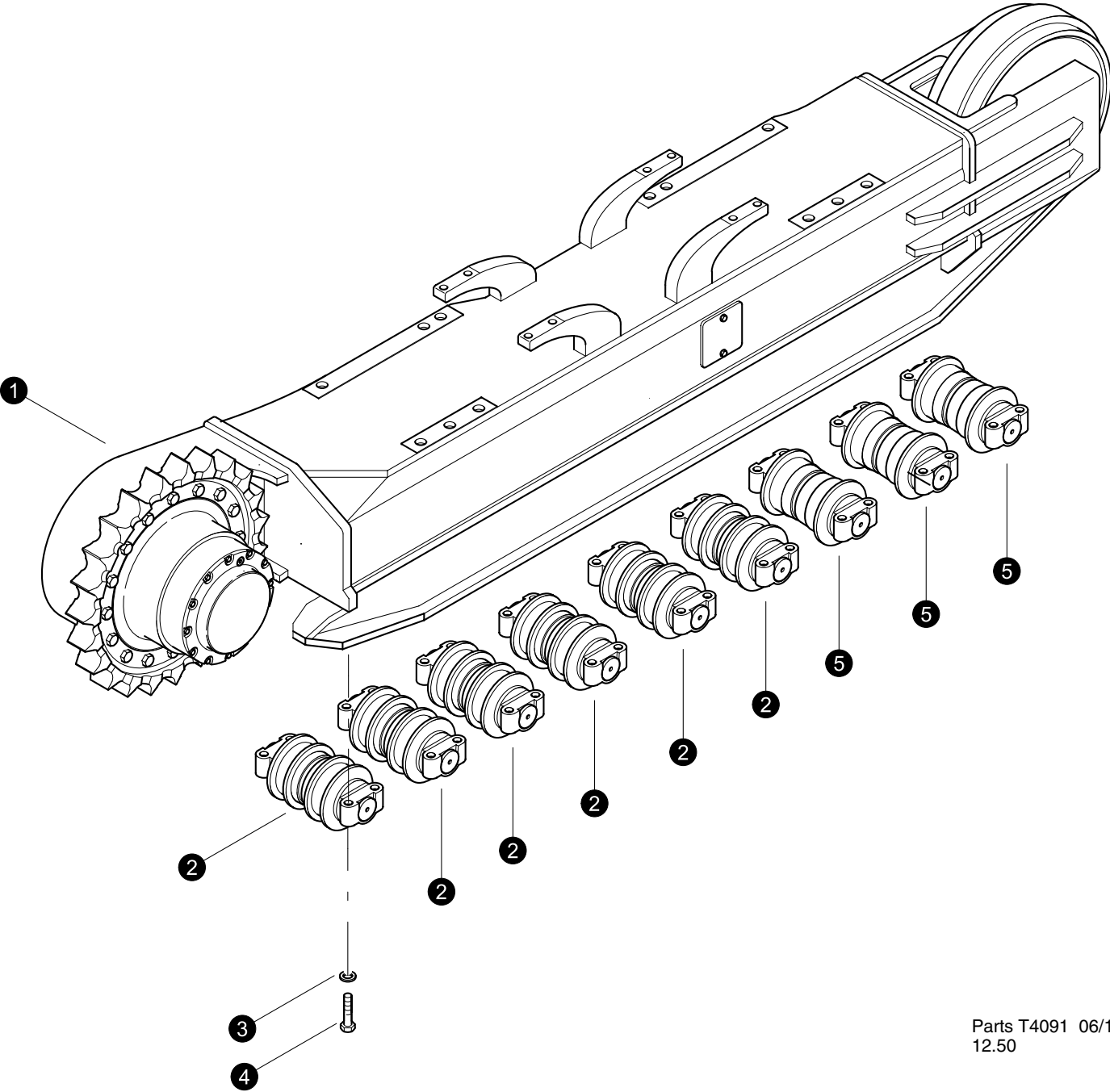
Parts T3692 10/08
12.50

TRACK FRAME ASSEMBLY

(Upper Roller/Slide Installation)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	57249-TS	8	BOLT, ROLLER (330) 24MM 3P X 120MM	
2	19926-TS	8	WASHER, BOLT - ROLLER (330)	
3	53221-TS	2	ROLLER GP - SFLG (330)	
3	53759-TS	2	ROLLER, STAR SFLG (330) optional	
4	REF	1	TRACK FRAME ASSEMBLY	TS-2-2
5	22728-TS	1	SLIDER, track- "Only used on 10'-4" CAR BODY"	
6	21444-TS	8	BOLT - 24MM X 2.0P X 50MM	
7	19926-TS	8	WASHER, BOLT - ROLLER (330)	
8	53949-TS	1	SLIDER, TRACK - "Only used on 11'-2" CAR BODY"	
9	15502-TS	2	BOLT - .625" X 1.5"	
10	10771-TS	2	WASHER, SAE FLAT - .625"	
11	53946-TS	8	BOLT - 24MM X 2.0P X 100MM 10.9	
12	19926-TS	8	WASHER, BOLT	
13	53950-TS	8	SPACER, TRACK SLIDER - 1.62" X 1"	

☐ Kit or Assembly - includes all items indented underneath.



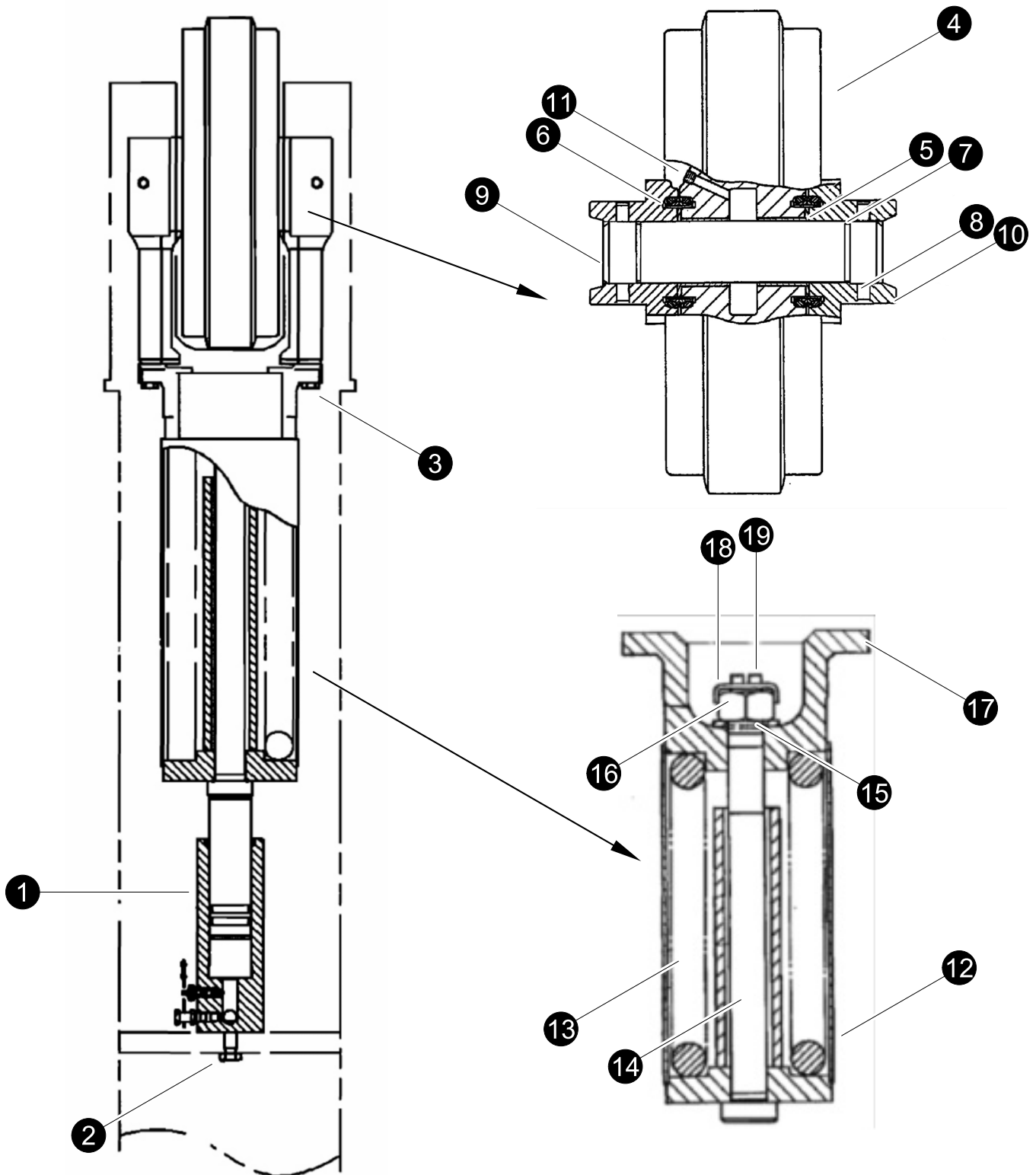
Parts T4091 06/15
12.50

TRACK FRAME ASSEMBLY

(Lower Roller Group Installation)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	TRACK FRAME ASSEMBLY	TS-2
2	53689-TS	6	ROLLER, BOTTOM DOUBLE FLANGE - 330	
3	8T-4167-TS	32	WASHER - HARD	
4	7X-2454-TS	32	BOLT - BOLT, 24mm - 3.0 - 110mm (Torque to 450 ft lbs (600 Nm))	
5	53221-TS	3	ROLLER GP - SFLG (330) 183-2879	

☐ Kit or Assembly - includes all items indented underneath.

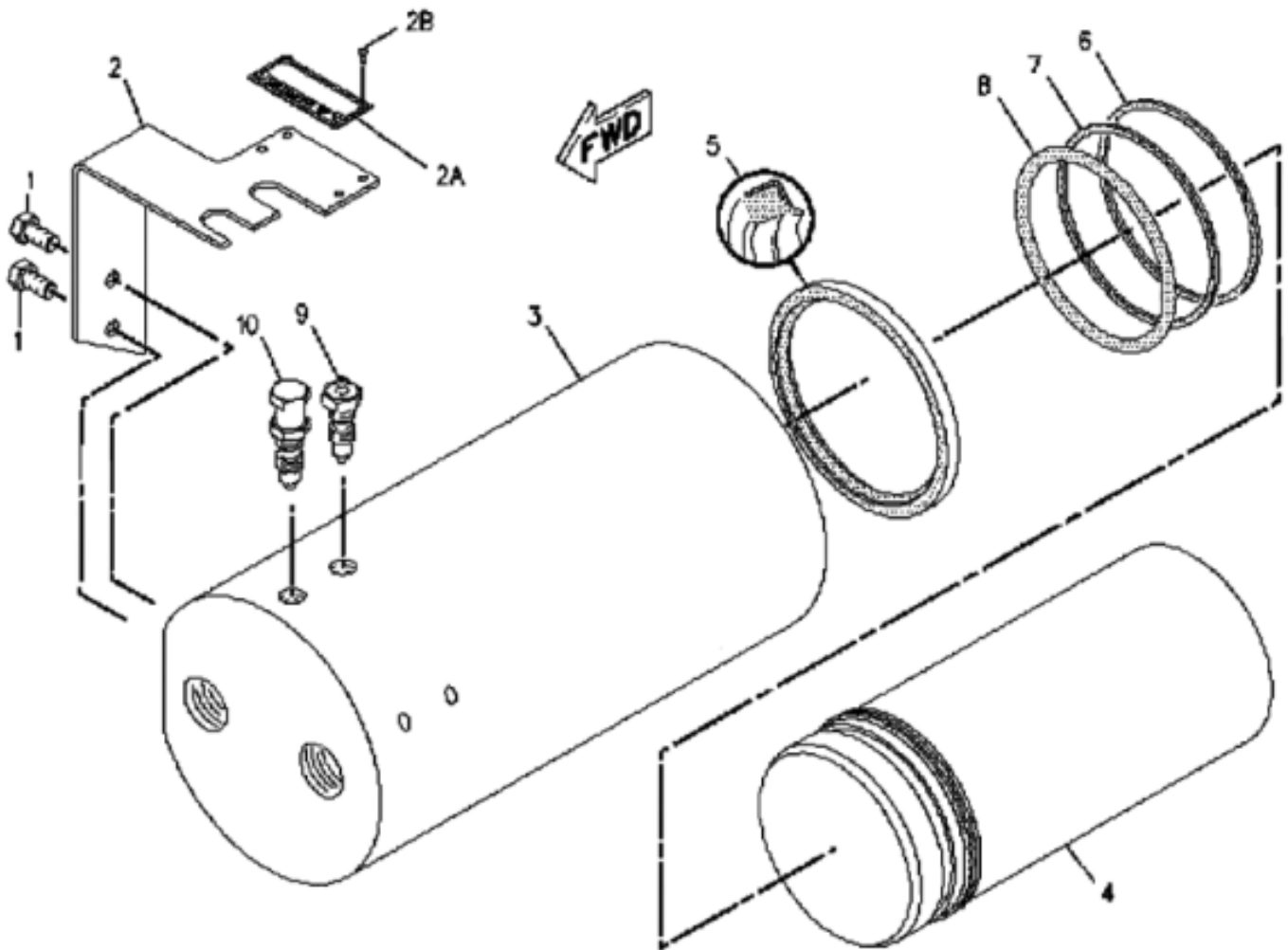


Parts T3695 10/08
12.50

TRACK FRAME ASSEMBLY**(Front Idler Installation)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		IDLER ADJUSTMENT CYLINDER	TS-2-10
2	21459-TS	2		BOLT	
3	21461-TS	4		BOLT	
4	17873-TS	1	☐	FRONT IDLER ASSEMBLY	
5	136-3874-TS	1		IDLER WHEEL AS	
6	109-0881-TS	2		SEAL GP	
7	21517-TS	2		SEAL GP	
8	21520-TS	2		PIN	
9	21518-TS	1		SHAFT	
10	21519-TS	2		BEARING	
11	21492-TS	1		PLUG	
12	7Y-1878-TS	1		SUPPORT AS	
13	7Y-1874-TS	1		SPRING	
14	7Y-1872-TS	1		ROD	
15	7Y-1459-TS	1		WASHER	
16	7Y-1460-TS	1		NUT	
17	101-2620-TS	1		SUPPORT	
18	7Y-1221-TS	1		STRIP	
19	8T-9080-TS	2		BOLT	

☐ Kit or Assembly - includes all items indented underneath.



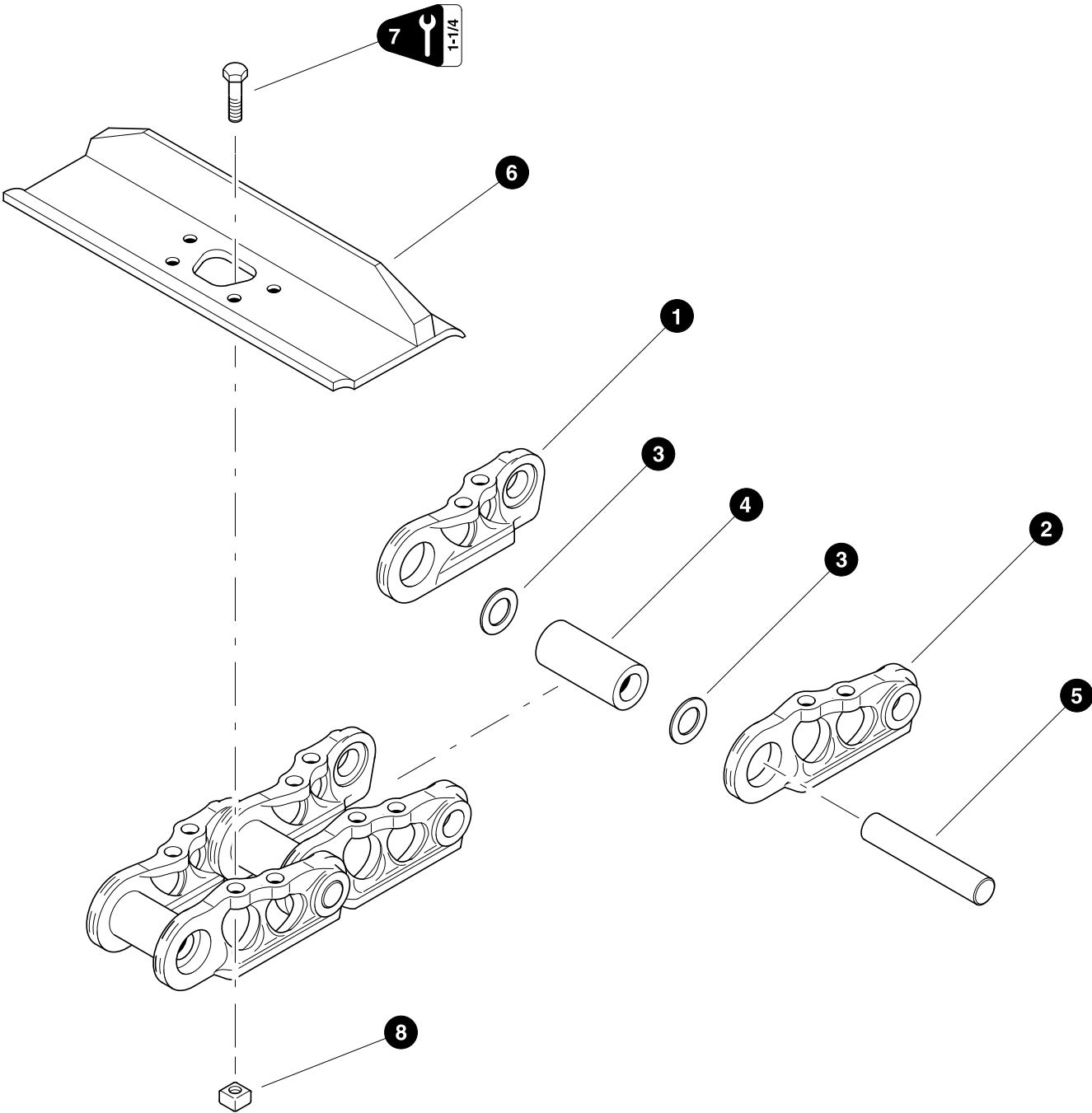
Parts T3696 10/08
12.50

TRACK FRAME ASSEMBLY

(Idler Adjustment Cylinder)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	7Y-1635-TS	1	☐	IDLER ADJUSTMENT GROUP	
1	8T-4191-TS	2		BOLT	
2	6I-6550-TS	1		PLATE AS	
3	7Y-1866-TS	1		CYLINDER	
4	7Y-1867-TS	1		PISTON	
5	093-1437-TS	1		SEAL	
6	7Y-1884-TS	2		RING	
7	093-1509-TS	2		RING	
8	248-7178-TS	2		SEAL	
9	095-2927-TS	1		VATSE - FILL	
10	2S-5926-TS	1		VATSE - RELIEF	

☐ Kit or Assembly - includes all items indented underneath.

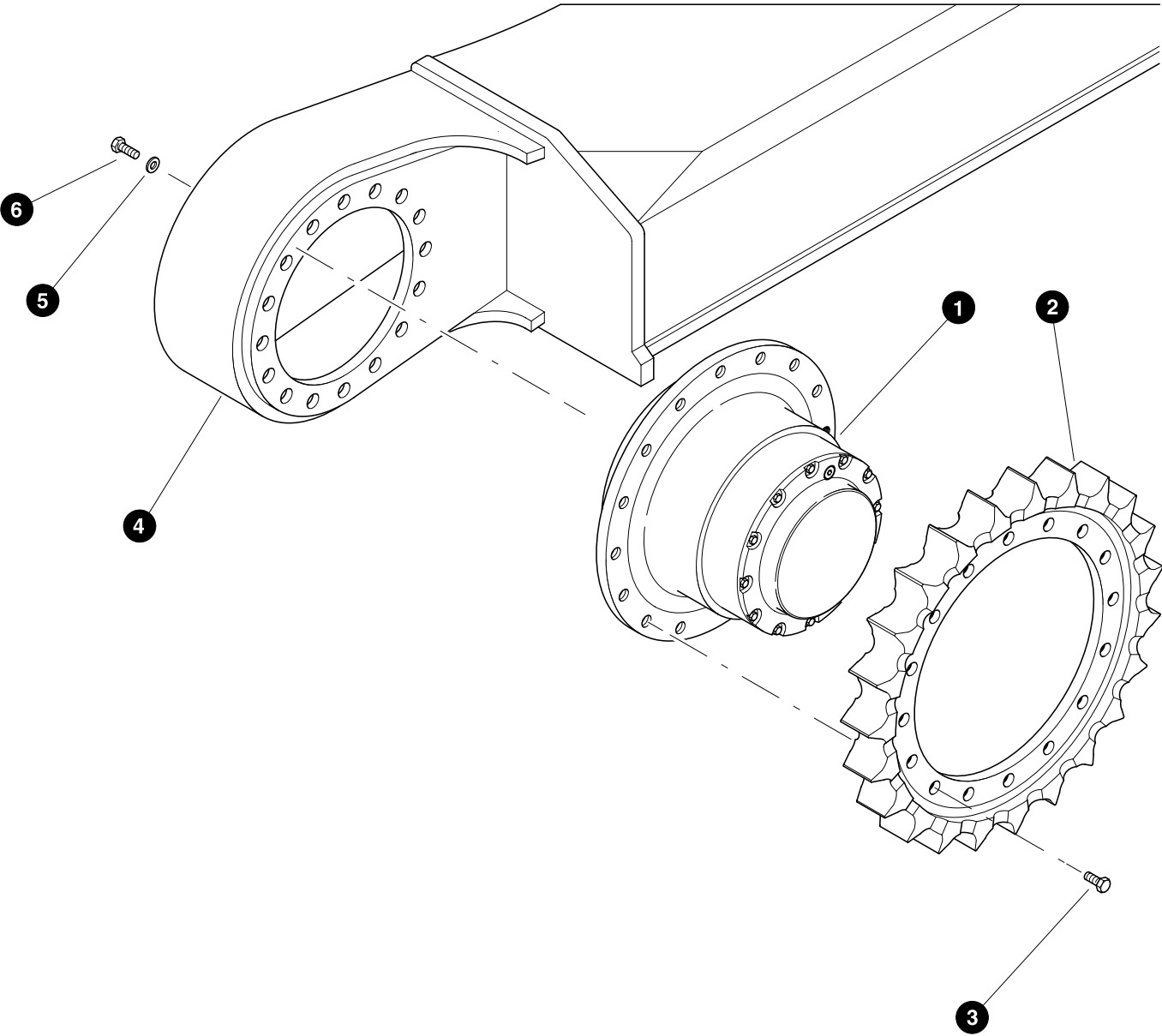


TRACK FRAME ASSEMBLY (chain and track pads) Standard - short track

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	53101	1	TRACK, RAIL W/600 SINGLE (45 LINK) D-7	
-	53102	1	TRACK, RAIL W/700 SINGLE (45 LINK) D-7	
-	53271	1	TRACK, RAIL W/700 SG (45LINK) D-7 BERCO	
1	21450-TS	45	LINK (left)	
2	21451-TS	45	LINK (right)	
3	179-3426-TS	88	SEAL, link	
-	179-3428-TS	2	SEAL, master link	
4	201-0827-TS	44	BUSHING,	
-	201-0828-TS	1	BUSHING, master link	
5	21456-TS	44	PIN,	
-	21457-TS	1	PIN, master link	
6	17861-TS	45	SHOE - 600 SINGLE	
-	21055-TS	45	SHOE - 700 SINGLE	
-	-TS	45	SHOE - 700 SINGLE (BERCO)	
7	18354-TS	180	BOLT, TRACK SHOE (Torque to 300 ft lbs (400 Nm))	
8	17864-TS	180	NUT, TRACK SHOE	

 Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.



Parts 00652 09/02/96
12.50

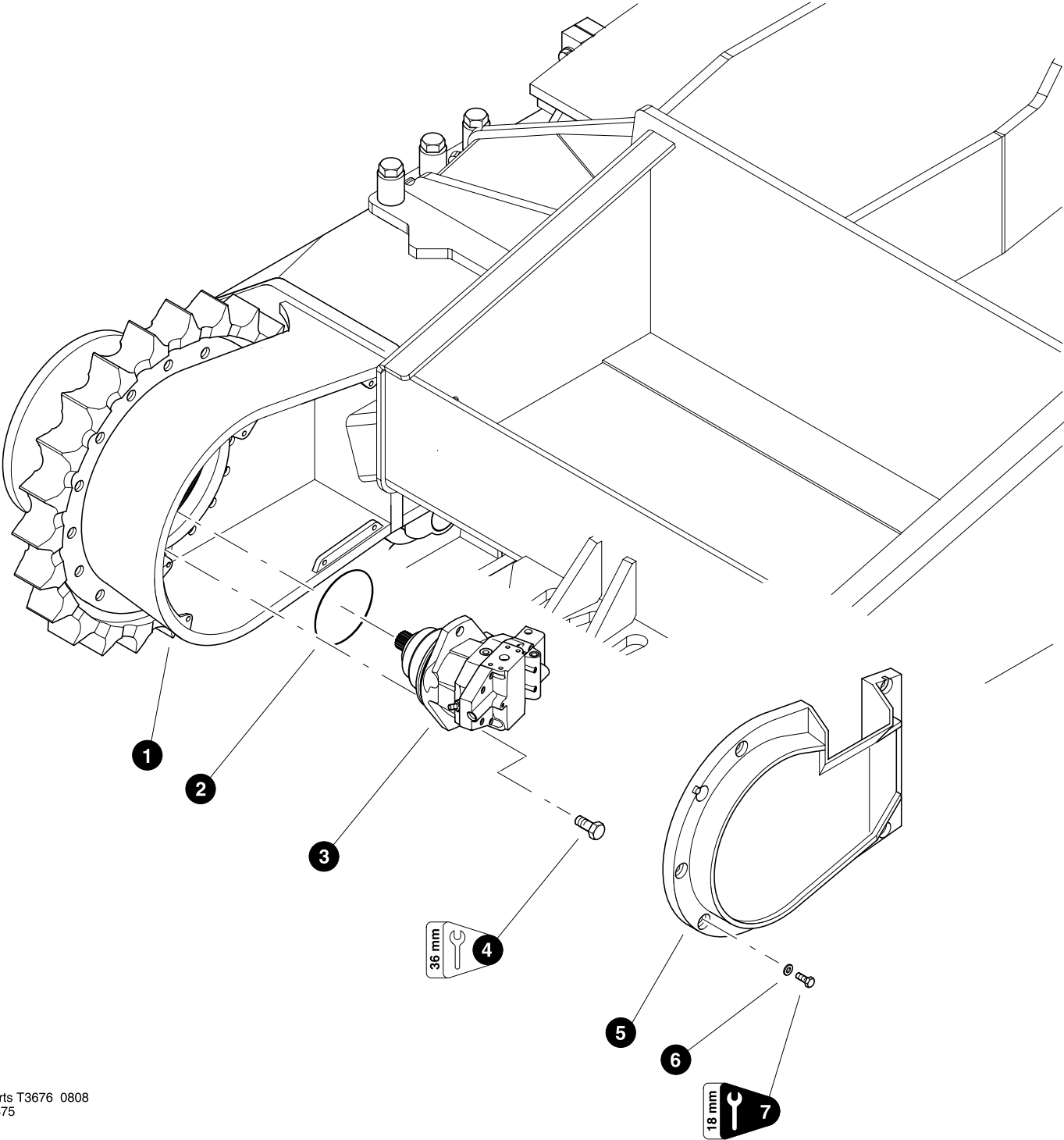
TRACK FRAME ASSEMBLY**(Final Drive - Installation)**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	FINAL DRIVE ASSEMBLY	TS-2-15
2	21443-TS	1	SPROCKET, FINAL DRIVE (325)	
3	21444-TS	16	BOLT - 24MM (Torque to 660 ft lbs (900 Nm)) (see note below)	
4	REF	1	TRACK FRAME ASSEMBLY	TS-2-1
5	19926-TS	20	WASHER - HARD 24MM	
6	24535-TS	20	BOLT - 24MM x 80MM (Torque to 660 ft lbs (900 Nm)) (see note below)	

☐ Kit or Assembly - includes all items indented underneath.

NOTE:

Use Loctite 272 (blue / medium) during installation.



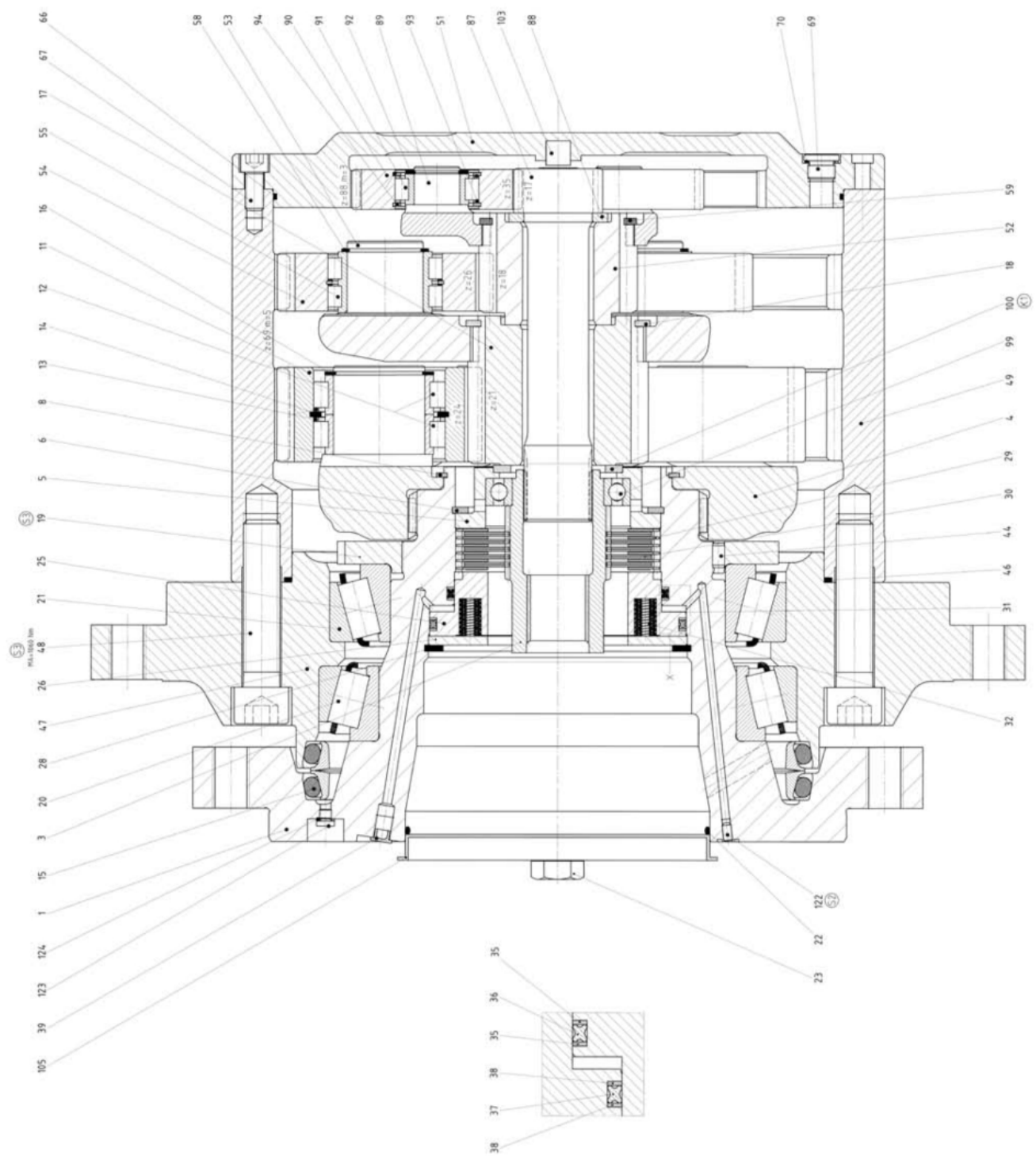
Parts T3676 0808
9.375

Frame Installation

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	2		TRACK FRAME ASSEMBLY	TS
2	21713-TS	2		O-RING, Rexroth Motor (Rexroth 16463252)	
3	REF.	2		TRACK HYDRAULIC MOTOR	TS
4	21383-TS	4		BOLT - (Rexroth 16441363)	
5	17870-TS	1		COVER, LEFT MOTOR - 735	
5	17871-TS	1		COVER, RIGHT MOTOR - 735	
6	18735-TS	16		WASHER, FLAT - 12MM	
7	18415-TS	16		BOLT - 12MM-1.75P X 30MM	



See referenced page for component or assembly breakdown.



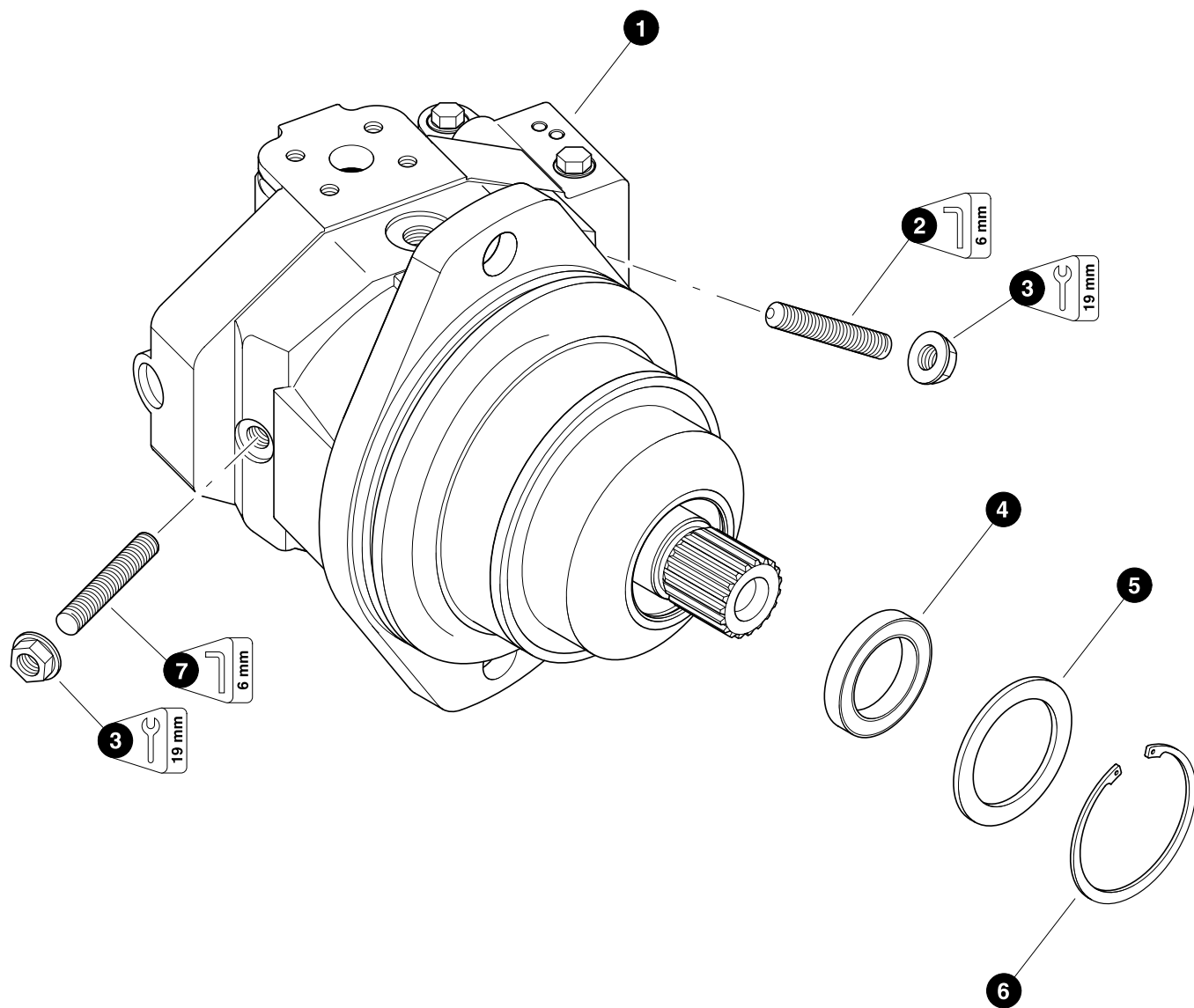
Parts T3699 10/08
12.50

TRACK FRAME ASSEMBLY

(Final Drive - Lohmann/Rexroth)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	19860-TS	1	☐	FINAL DRIVE ASSY. - 725 (LOH GFT80)	
1	21402	1		SPINDLE	
3	21403	1		COUPLING, spur gear	
4	21404	1		CARRIER, planet - inner	
5	21405	1		PLATE, back-up - brake (Carrier location)	
6	21339	1		RING, snap - brake (Carrier location)	
8	21406	1		RING, snap - inner carrier	
11	21407	1		PLANETARY GEAR SET - inner (Only available as a set of 5 gears)	
12	21408	10		BEARING, roller - inner planetary gear	
13	21409	10		RING, locating - inner planetary gear	
14	21410	1		RING, snap - inner planetary bearing	
15	21411	1		SEAL, face	
16	21412	5		RING, snap - inner planetary gear	
17	21413	1		GEAR, sun - inner	
18	21414	1		RING, snap - inner sun gear	
19	21415	1		NUT, shaft	
20	21416	1		BEARING, tapered roller - inner spindle	
21	21417	1		BEARING, tapered roller - outer spindle	
25	21354	1		PISTON, brake	
26	21355	1		PLATE, back-up - brake (Spindle location)	
28	21356	1		RING, snap - brake (Spindle location)	
31	21418	1		KIT, repair - brake disc (Consists of items #32, 126, 127 on illustration)	
35	21358	1		KIT, repair - brake seal (Consists of items #36, 37 & 38 on illustration)	
39	21359	1		PLUG, cap	
44	21419	2		PIN, dowel	
46	21420	1		O-RING, housing flange	
47	21421	1		FLANGE, housing	
48	21422	24		BOLT, allen head - 24mm x 110mm	
49	21423	1		HOUSING (Also referred to as ring gear)	
51	21424	1		COVER, housing	
52	21425	1		GEAR, sun - outer	
53	21426	1		CARRIER, planet - middle	
54	21427	1		PLANETARY GEAR SET - middle (Only available as a set of 3 gears)	
55	21428	3		BEARING, roller - middle planetary gear	
58	21429	3		RING, snap - middle planetary gear	
59	21430	1		RING, snap - outer sun gear	
66	21431	1		O-RING, housing cover	
67	21432	12		BOLT, socket head - 12mm x 25mm	
69	21371	2		PLUG - 18mm	
70	21372	2		RING, seal - 18mm plug	
87	21433	1		GEAR, spur	
88	21434	1		WASHER, thrust - carrier	
89	21435	1		CARRIER, planet - outer	
90	21436	1		PLANETARY GEAR SET - outer (Only available as a set of 3 gears)	
91	21437	3		BEARING, roller - outer planetary gear	
92	21438	3		RING, snap - outer planetary gear	
93	21439	6		RING, locating - outer planetary gear	
94	21440	6		RING, snap - outer planetary gear	
99	21441	1		BEARING, spur gear coupling	
100	21442	1		WASHER, thrust - sun gear	
103	21368	1		BUTTON, thrust	

☐ Kit or Assembly - includes all items indented underneath.

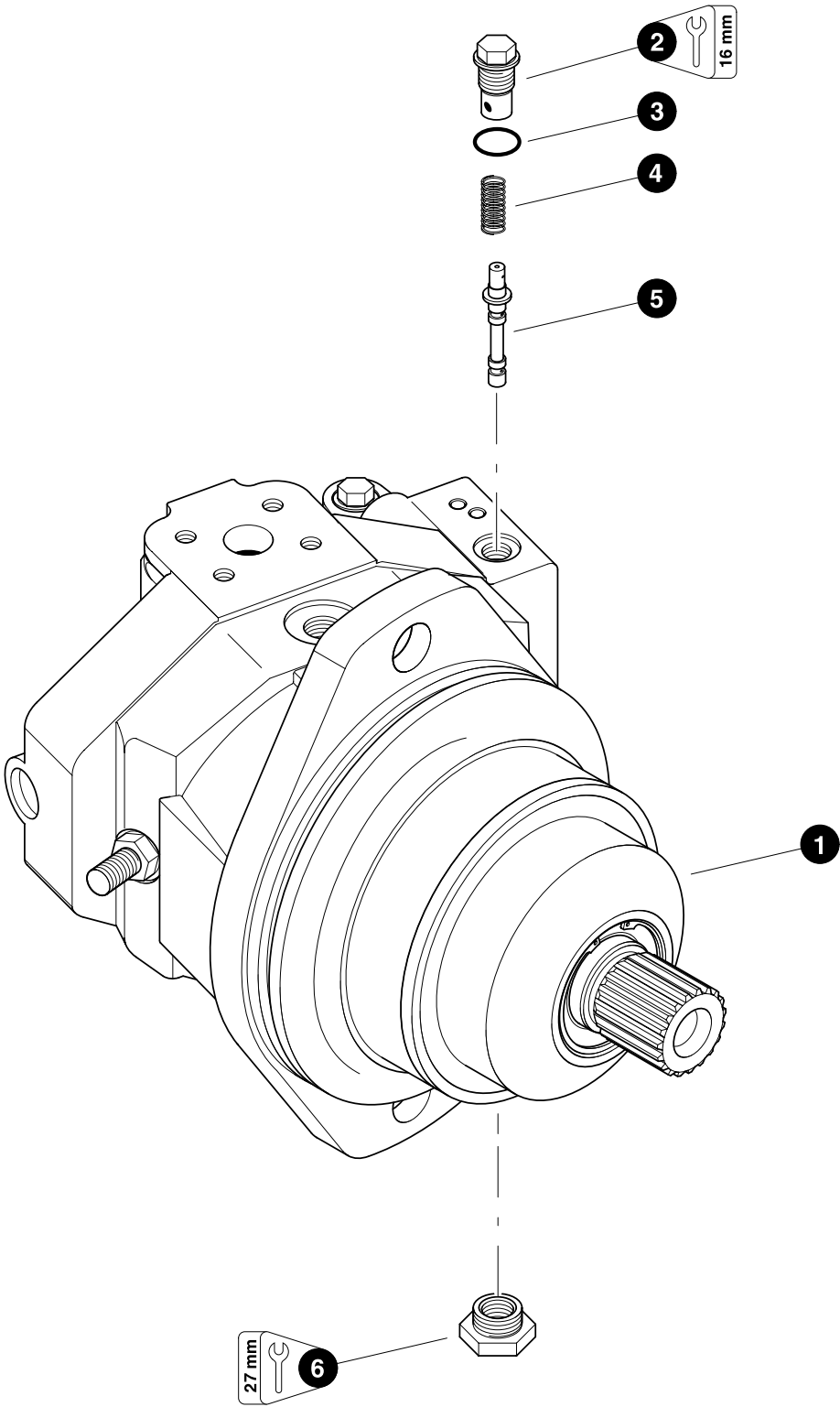


TRACK FRAME ASSEMBLY**(Track Drive Motor / Rexroth)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	21011-TS	1	□	MOTOR, TRACK 735/445	
2	21633-TS	1		SCREW	
3	20689-TS	2	⚙	NUT	
4	21628-TS	1	⚙	SEAL	
5	21630-TS	1		SHIM	
6	21632-TS	1		RING	
7	21634-TS	1		SCREW	
-	21636-TS	1		KIT, SEAL REPAIR - REXROTH AA6VE107	

□ Kit or Assembly - includes all items indented underneath.

⚙ Included in seal repair kit part number 21636-TS

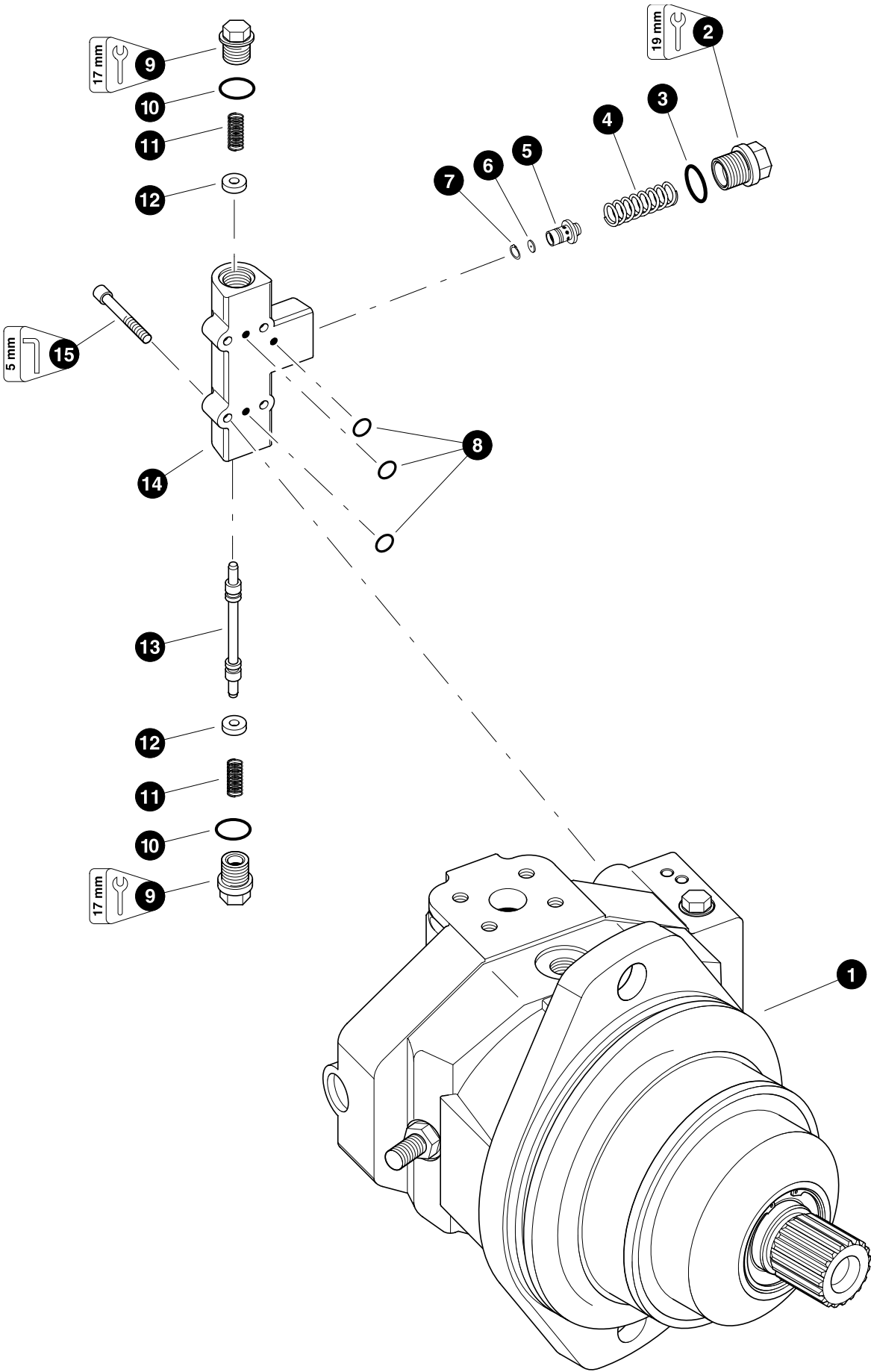


TRACK FRAME ASSEMBLY**(Track Drive Motor, Rear Port Components)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1	□	MOTOR, TRACK 735/445	TS-2-20
2	21638-TS	1		PLUG, stroker cover	
3	20720-TS	2	⊗	O-RING, Stroker cover plug	
4	21639-TS	1		SPRING, stroker cover	
5	21640-TS	1		SPOOL, stroker cover	
6	21642-TS	1		BUSHING, reducer	
-	21636-TS	1		KIT, SEAL REPAIR - REXROTH AA6VE107	

□ Kit or Assembly - includes all items indented underneath.

⊗ Included in seal repair kit part number 21636-TS



TRACK FRAME ASSEMBLY**(Track Drive Motor, Flushing Valve)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1	☐	MOTOR, TRACK 735/445	TS-2-20
-	21643-TS	1	☐	VALVE, flushing	
2	20691-TS	1		PLUG,	
	21644-TS	1		SHIM	
3	20713-TS	1	⊗	O-RING	
4	20714-TS	1		SPRING	
5	20716-TS	1		POPPET	
6	21645-TS	3		ORIFICE	
7	20718-TS	2		RING	
8	21646-TS	2	⊗	O-RING	
9	20719-TS			PLUG	
10	20720-TS		⊗	O-RING	
11	21647-TS	2		SPRING	
12	20722-TS	2		SPRING, retainer	
13	NSS	1		SPOOL	
14	NSS	1		BODY	
15	21582-TS	4		BOLT	

- 21636-TS 1 KIT, SEAL REPAIR - REXROTH AA6VE107

☐ Kit or Assembly - includes all items indented underneath.

⊗ Included in seal repair kit part number 21636-TS

[illegible]