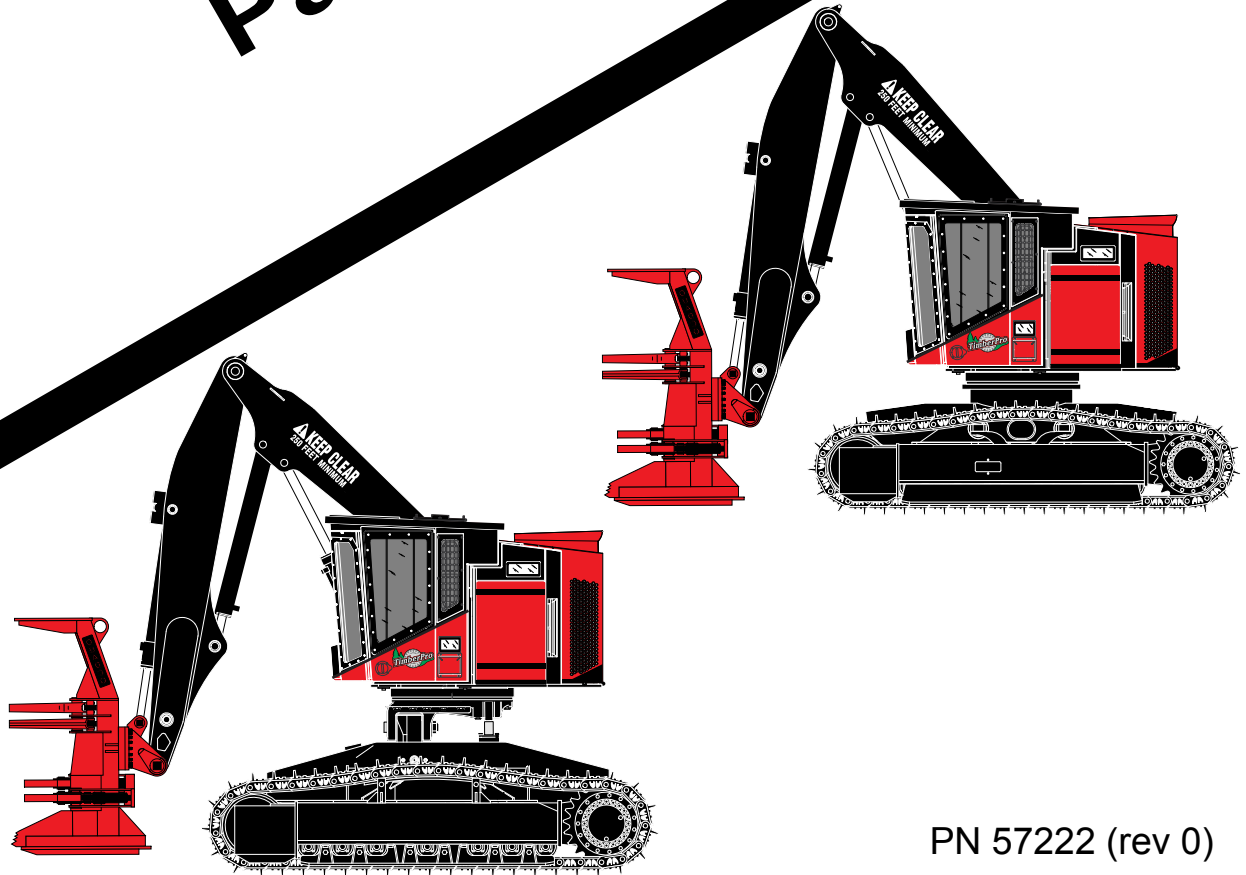




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# 700C Series Parts Manual



PN 57222 (rev 0)



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## 700C Series



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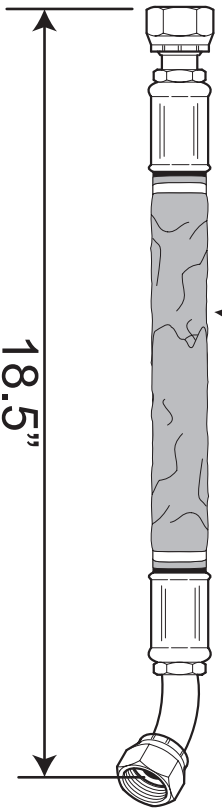
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# Hydraulic Hose Code

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	XXX (inches)	CS	02 = 1/8"	02		02		WS = Wear Sleeve
4		FR	04 = 1/4"	04		04		SW = Sprial Wrap
5		FS	06 = 3/8"	06		06		AG = Flat Armor Guard
5			08 = 1/2"	08		08		SG = Metal Spring Guard
6			10 = 5/8"	10		10		AC = Against Curve
				12 = 3/4"		12		
			16 = 1"	16				
			20 = 1 1/4"	20				
			24 = 1 1/2"	24				
			32 = 2"	32				
			48 = 2 1/2"	48				

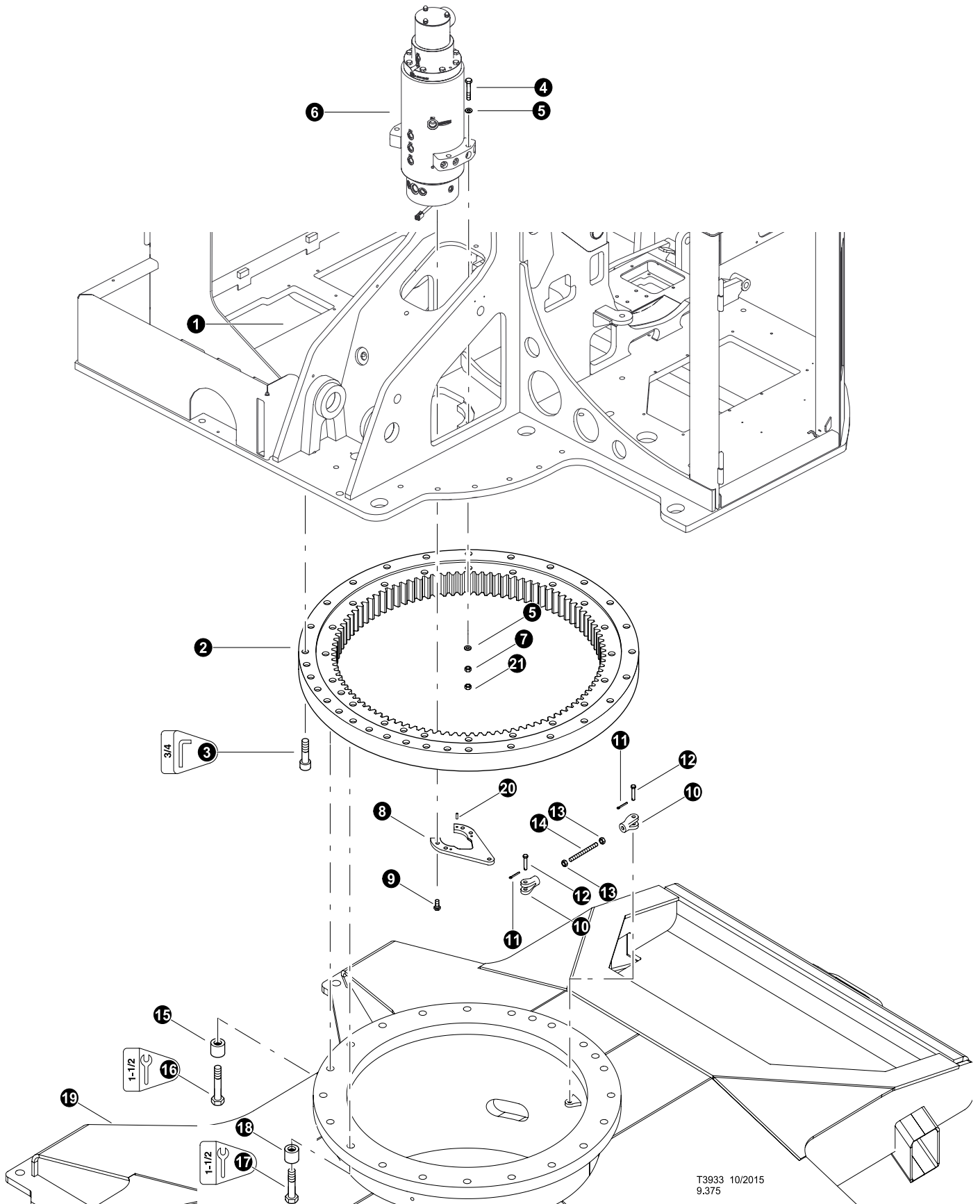


Fitting Styles
MJ = Male Jic Str.
JS Female Jic Str.
J4 = Female Jic 45
J9 = Female Jic 90
OM = Male O-Ring Face
OS = Female O-Ring Face
O4 = Female O-Ring Face 45
O9 = Female O-Ring Face 90
MP = Male Pipe
FP = Female Pipe
PS = Male Pipe Swivel
PA = Code 61 Flange
PA4 = Code 61 Flange 45
PA9 = Code 61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

# **Section UP-1**




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## **Upper Turntable - Structural Components, Doors, and Covers**



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## UPPER TURNTABLE INSTALLATION (Non-Leveling Machines)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	46011-UP	1	WELDMENT, UPPER - C SERIES (LH) COMPLETE	
2	53697-UP	1	BEARING, SWING - 3.81" WIDE HARDEN TEETH	
3	51690-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	12	SPACER, bolt - Standard	
16	50263-UP	12	BOLT - 1" x 5.5" (Torque to 1000 ft.lbs (1350 Nm))	
17	18535-UP	10	BOLT - 1" x 5" (Torque to 1000 ft.lbs (1350 Nm))	
18	53143-UP	10	SPACER, BOLT - Short 1.50 LG (used in front and rear)	
19	REF.	1	 NonLeveling Frame .....	NV-1
20	52995-UP	3	DOWEL, ROTARY MANIFOLD LOCK (2 PER)	
21	10816-UP	4	NUT, LOCK - .625" (see note 2)	

 See reference page for component or assembly breakdown.

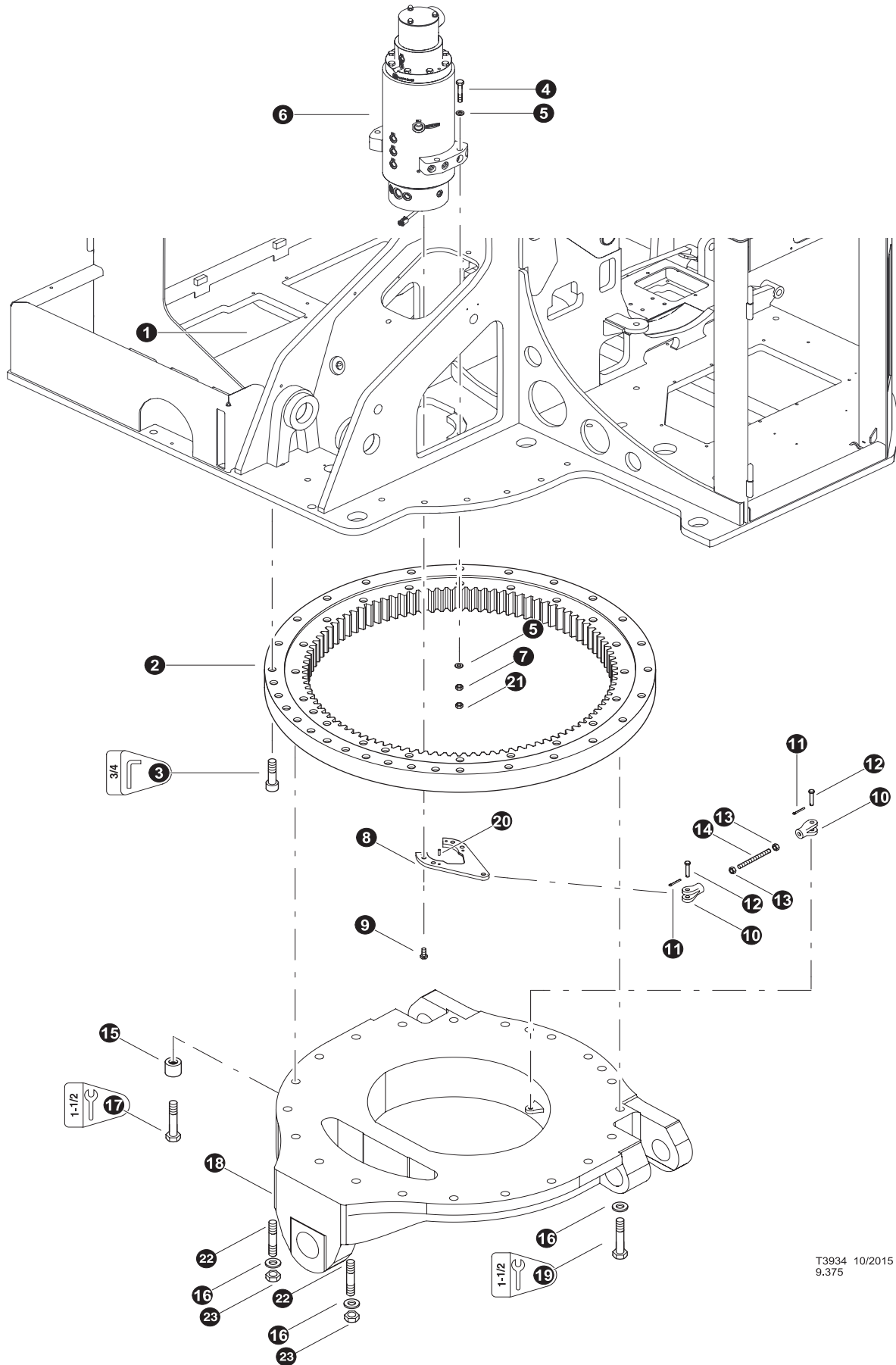
 Kit or Assembly - includes all items indented underneath.

### Note: 1

Use Loctite 272 (blue) during installation.




### Note: 2



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



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9.375

## UPPER TURNTABLE INSTALLATION (Leveling Machine)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	46011-UP	1	WELDMENT, UPPER - C SERIES (LH) COMPLETE	
2	53697-UP	1	BEARING, SWING - 3.81" WIDE HARDEN TEETH	
3	51690-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	-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"	

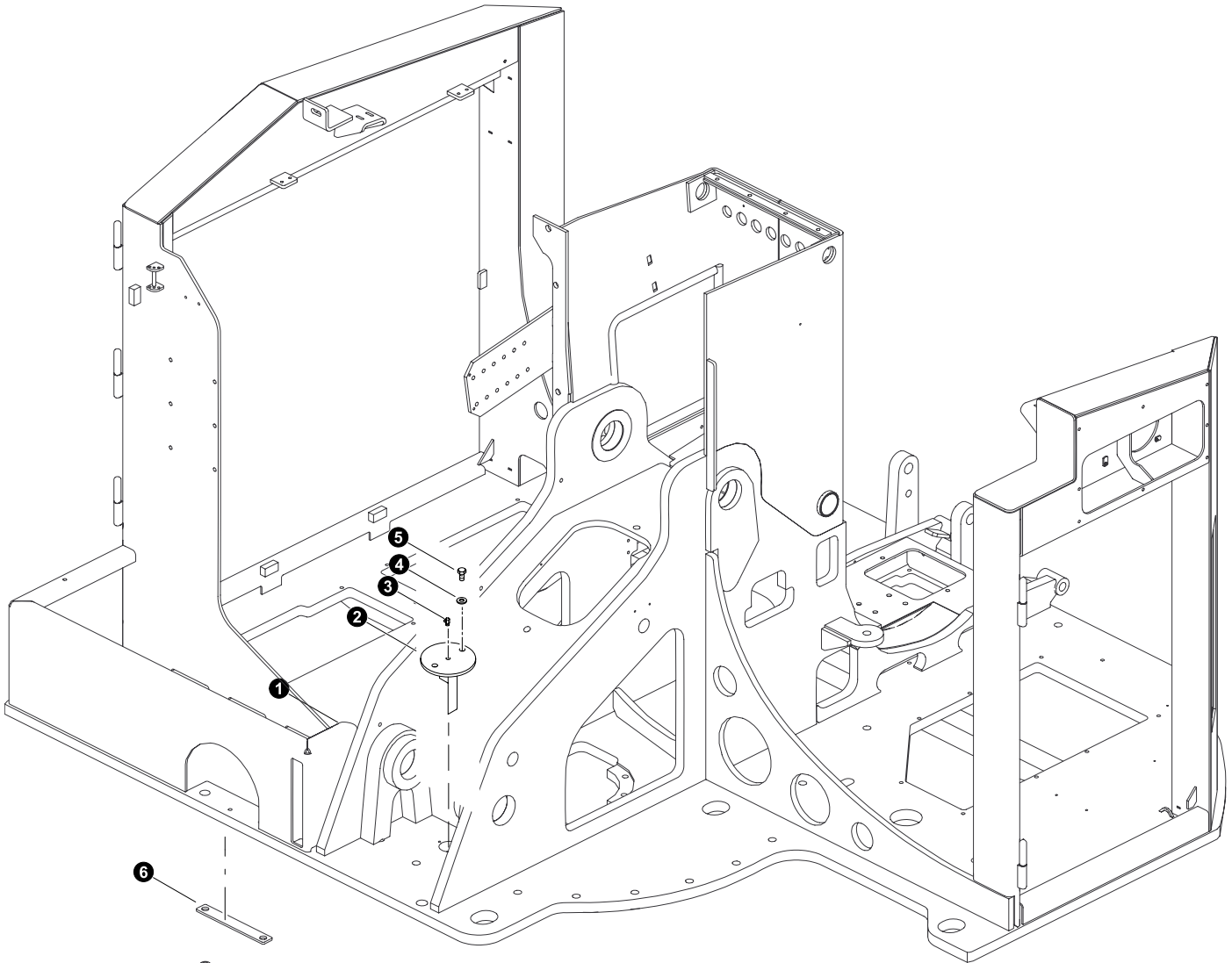
-  See reference page for component or assembly breakdown.  
 Kit or Assembly - includes all items indented underneath.

### Note: 1

Use Loctite 272 (blue) during installation.


### Note: 2


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




T3935 03/22/2015  
9.375

## UPPER TURNTABLE INSTALLATION (Swing Bearing Grease Cup - Front Step)

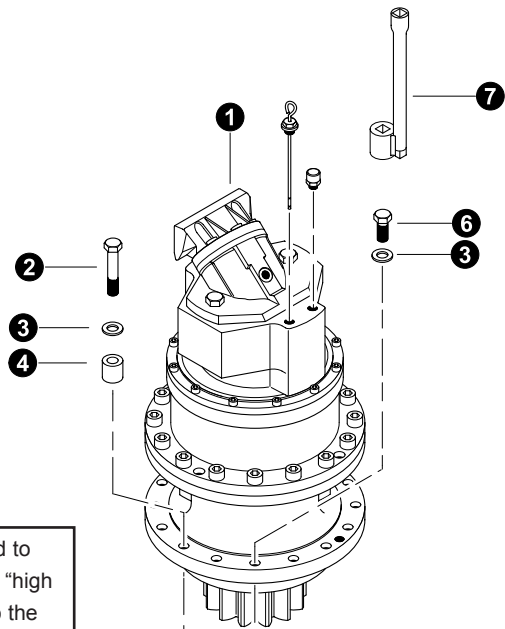
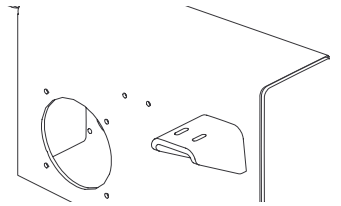
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 UPPER TURNTABLE WELDMENT .....	UP-1
2	17612-UP	1	CUP, BULL GEAR GREASE - WIDE GEAR	
3	15662-UP	1	FITTING, GREASE - .25-28" - 90	
4	15528-UP	2	WASHER, SAE FLAT - .375"	
5	15542-UP	2	BOLT - .375" X .75"	
6	46570-UP	1	STEP, FRONT TOP	
7	54018-UP	2	SPACER, FRONT STEP	
8	54017-UP	1	STEP, FRONT BOTTOM	
9	10839-UP	4	BOLT - .75" X 1.5"	
10	15550-UP	4	WASHER, SAE FLAT - .75"	
11	10783-UP	1	BOLT - .5" X 1"	

 See reference page for component or assembly breakdown.

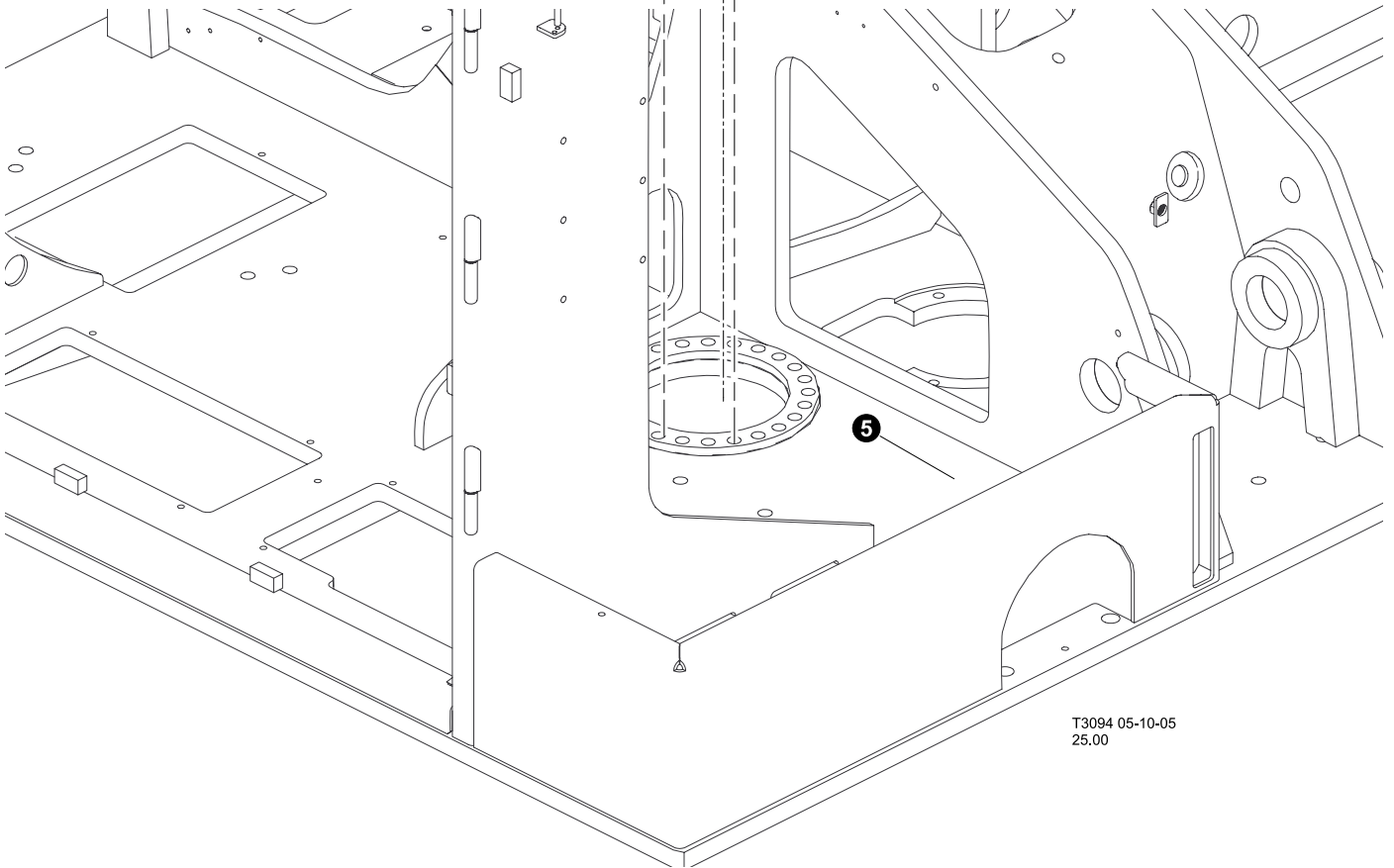
 Kit or Assembly - includes all items indented underneath.

### **Note: 1**

Use Loctite 272 (blue) during installation.





Eccentric swing motors need to be installed by matching the "high side" of the swing bearing to the swing motor gear. Then turn the motor until it becomes tight and then back the motor up and use the closest set of bolt holes to fasten the motor down.




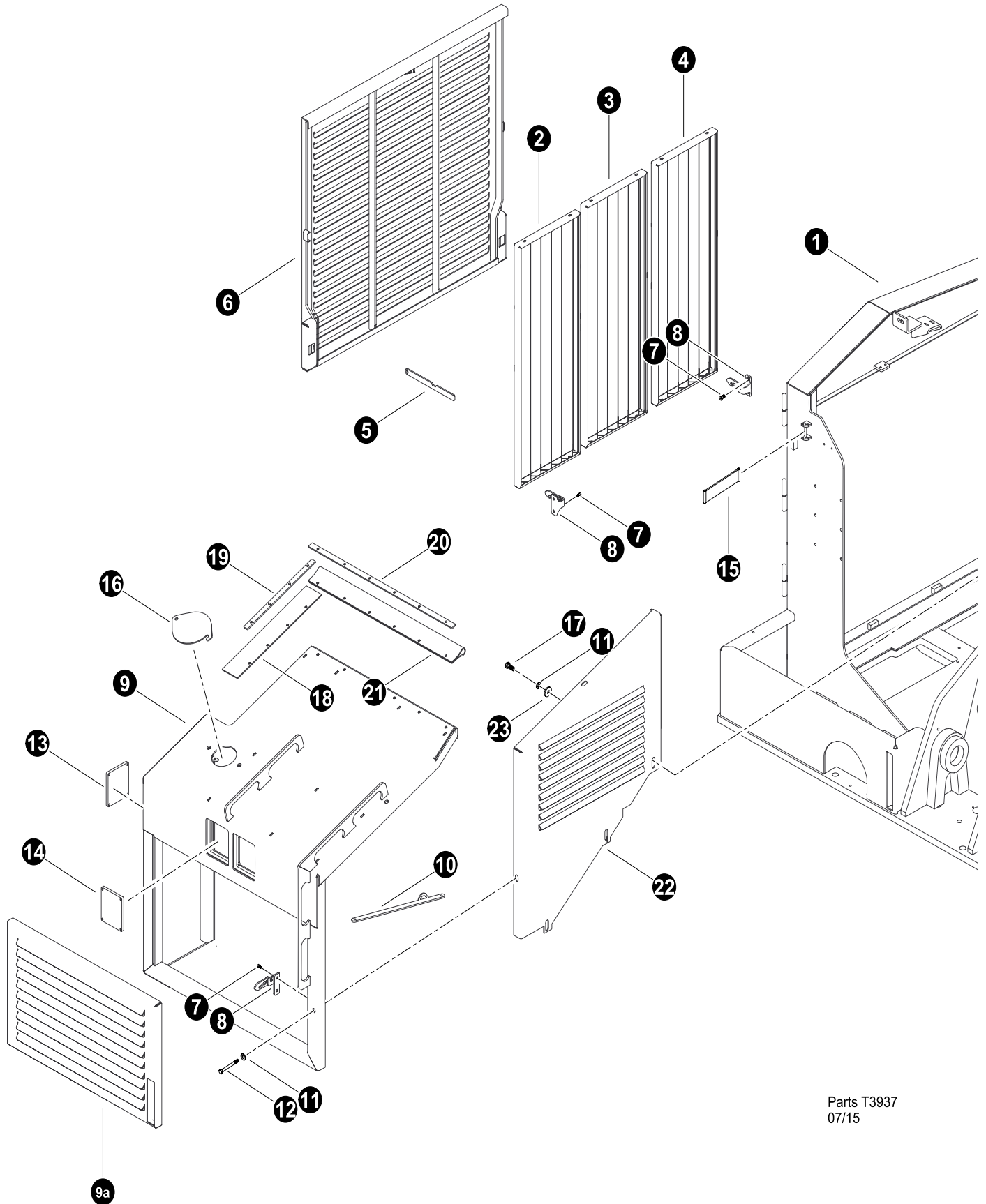
T3094 05-10-05  
25.00

## 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
6	15517-UP	1	BOLT - .625" X 2.5" (Torque to 230 ft.lbs (310 Nm)) (see note 1)	
7	-UP	1	TOOL, Swing Motor Torque Socket	


**Special Note:**

 See reference page for component or assembly breakdown.



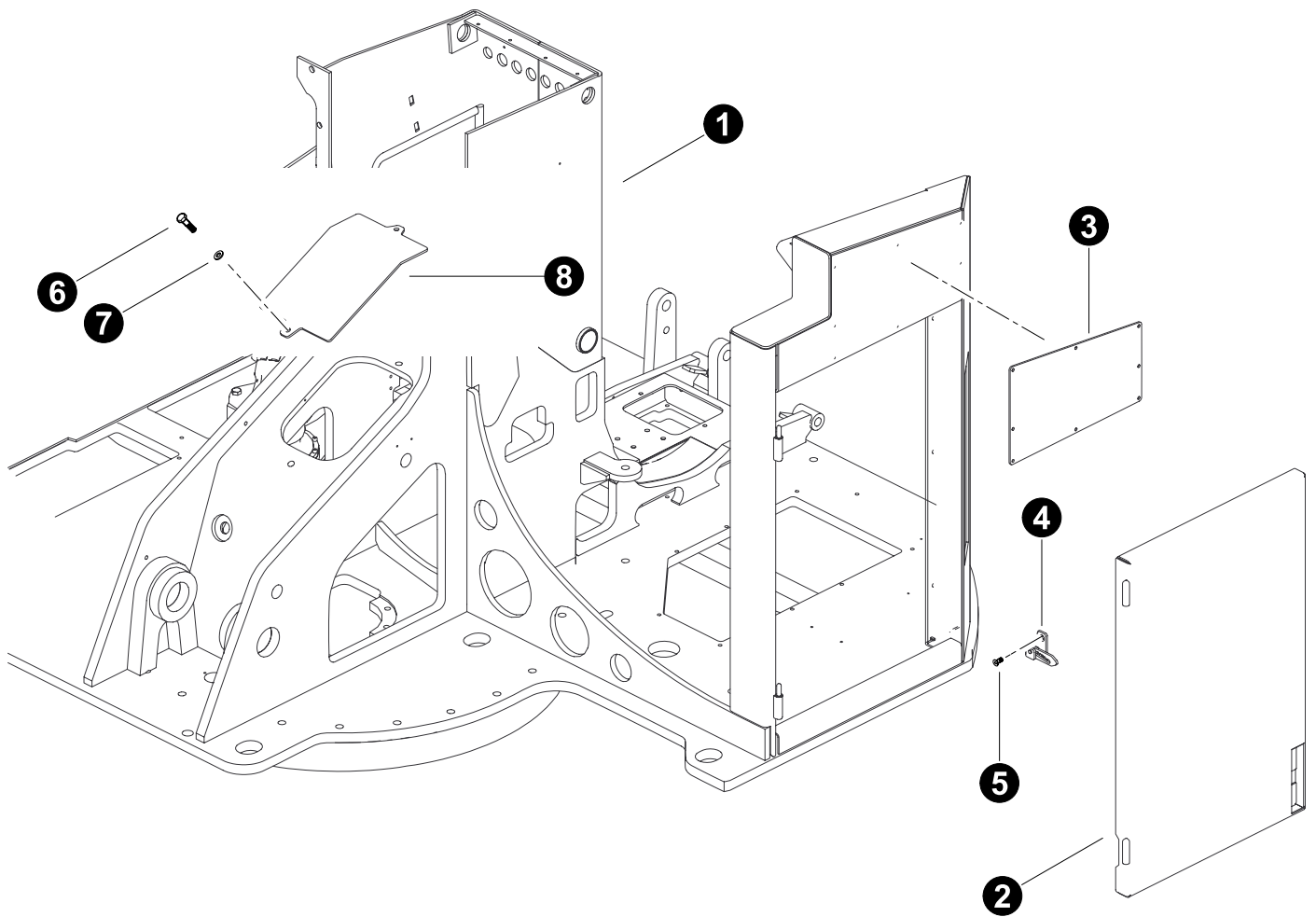
Parts T3937  
07/15

## 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	54493-UP	1	SCREEN, RADIATOR ENDS	
3	54494-UP	1	SCREEN, RADIATOR CENTER	
4	54493-UP	1	SCREEN, RADIATOR ENDS	
5	54481-UP	1	BAR, RADIATOR DOOR OPENING	
6	54383-UP	1	DOOR, - RADIATOR/COOLER "C" SERIES	
7	51850-UP	6	BOLT, CAM LATCH - FHSCS 3/8 - 16 X 1 ZB	
8	51657-UP	2	LATCH, CAM - DOOR R.H. (RADIATOR-GULLW)	
-	51658-UP	1	LATCH, CAM - DOOR L.H. (RADIATOR-GULLW)	
9	46160-UP	1	DOOR, FRONT SWING OUT - C SERIES LH	
9a	46095-UP	1	DOOR, FRONT - C SERIES (LH CAB)	
10	46513-UP	1	DOOR, FRONT PROP-ROD - C MODEL	
11	15534-UP	4	WASHER, SAE FLAT - .5"	
12	10834-UP	2	BOLT - .5" X 4"	
13	53081-UP	1	LEXAN, LIGHT	
14	53081-UP	2	LEXAN, LIGHT	
15	51981-UP	1	STRAP, DOOR STOP - 830/630	
16	12150-UP	1	COVER, ACCESS - RAD FILL / STEER CYL	
17	10783-UP	2	BOLT - .5" X 1"	
18	47151-UP	1	RUBBER, SWING OUT DOOR FLAP	
19	46989-UP	1	BAR, RUBBER - FRONT DOOR SHORT	
20	46987-UP	1	BAR, RUBBER - FRONT DOOR LONG	
21	46988-UP	1	RUBBER, FRONT DOOR SEAL	
22	47106-UP	1	PANEL, INNER - C MODEL	
23	54148-UP	2	WASHER, BURNED - .66" X 2" x 1/4"	




See reference page for component or assembly breakdown.

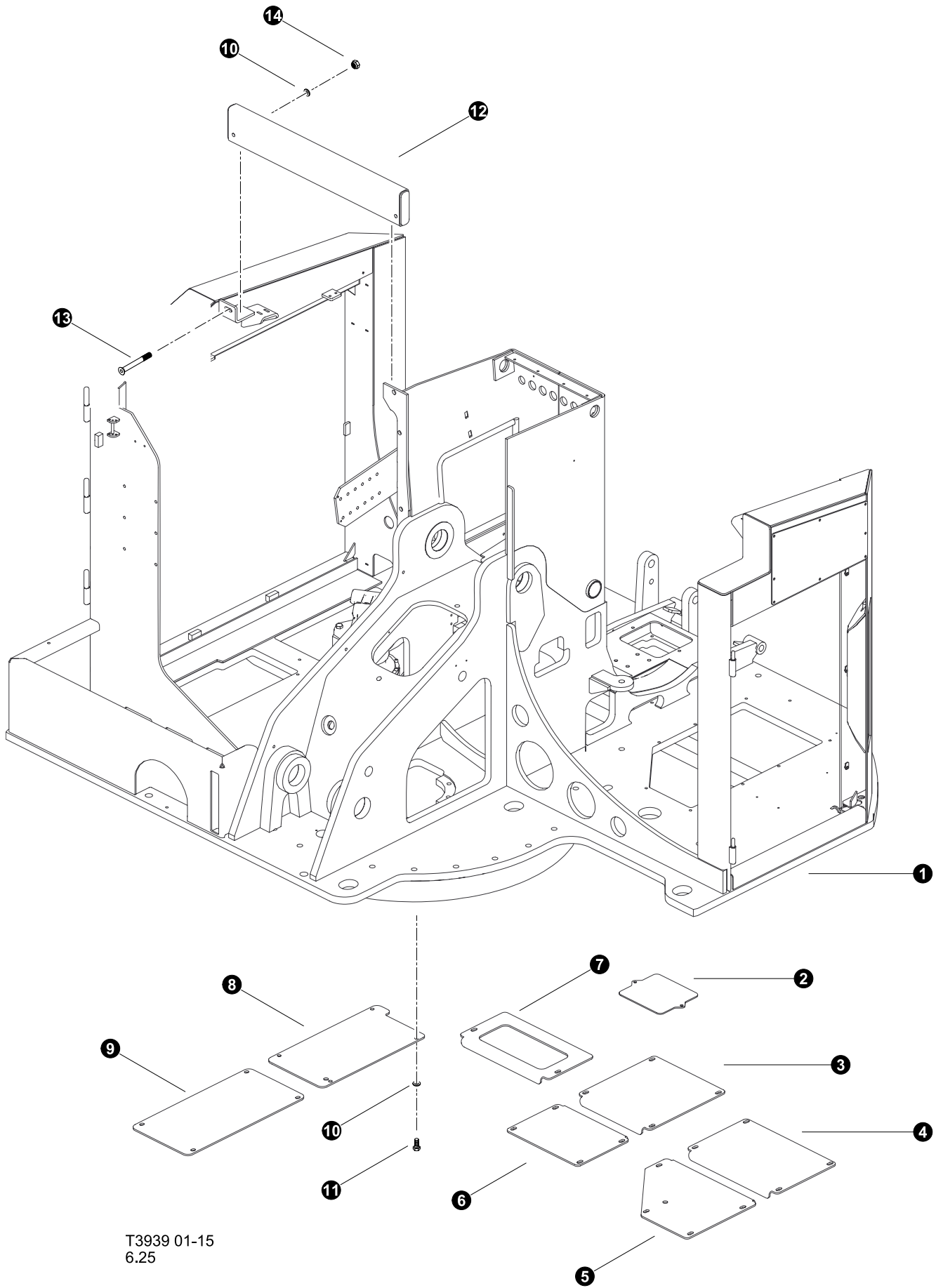


T3938 03-2015  
6.25

## UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (Rear Panels and Oil Cooler Door Installation)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 UPPER TURNTABLE WELDMENT .....	UP-1
2	46162-UP	1	WELDMENT, DOOR ELECTRICAL -C SERIES LH	
3	46994-UP	1	PLATE, AIR INTAKE COVER - CUMMINS	
-	46857-UP	1	PLATE, AIR INTAKE GRILLE (Volvo)	
4	51657-UP	2	LATCH, CAM - DOOR R.H. (RADIATOR-GULLW)	
5	51850-UP	6	BOLT, CAM LATCH - FHSCS 3/8 - 16 X 1 ZB	
6	10783-UP	2	BOLT - .5" X 1"	
7	15534-UP	2	WASHER, SAE FLAT - .5"	
8	46538-UP	1	COVER, CENTER PLATE - C MODEL	

 See reference page for component or assembly breakdown.



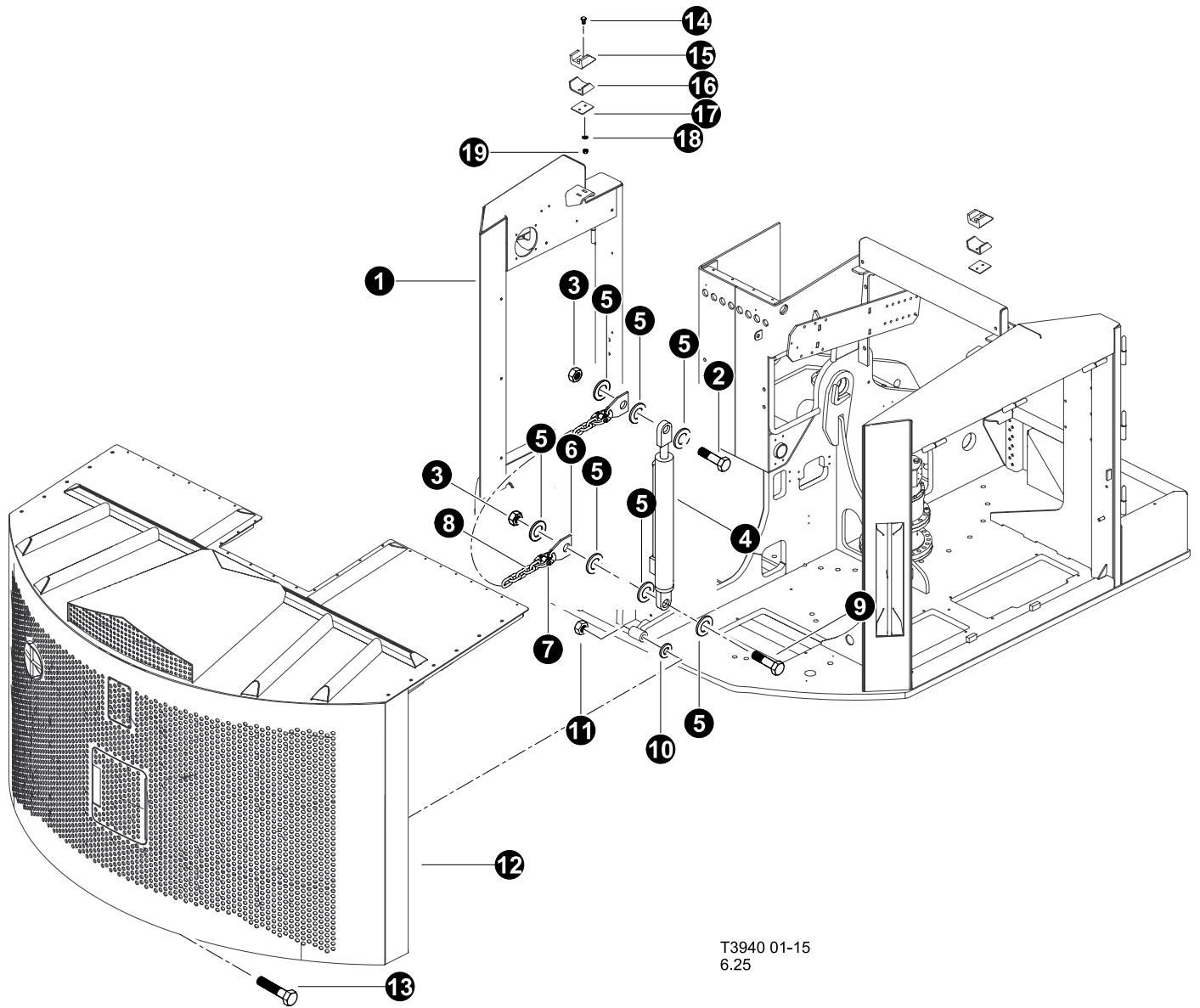
T3939 01-15  
6.25

## UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (COVER INSTALLATIONS)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 UPPER TURNTABLE WELDMENT .....	UP-1
2	54569-UP	1	COVER, UPPER REAR TUBELINE	
3	46466-UP	1	COVER, BOTTOM OIL PAN- REAR "C"	
4	46467-UP	1	COVER, BOTTOM OIL PAN - FRONT "C"	
5	46469-UP	1	COVER, TRIPLE DRIVE - FRONT "C"	
6	46468-UP	1	COVER, TRIPLE DRIVE - REAR "C"	
7	46656-UP	1	WELDMENT, COVER OIL PAN - C SERIES	
8	46462-UP	2	COVER, BOTTOM REAR - COOLER "C"	
9	46463-UP	1	COVER, BOOTOM FRONT - COOLER "C"	
10	15534-UP	30	WASHER, SAE FLAT - .5"	
11	10783-UP	28	BOLT - .5" X 1"	
12	46852-UP	1	WELDMENT, COOLER SUPPORT	
13	55631-UP	2	BOLT - .5 x 3.5" - COUNTER SUNK	
14	10815-UP	2	NUT, LOCK - .5"	







See reference page for component or assembly breakdown.



T3940 01-15  
6.25

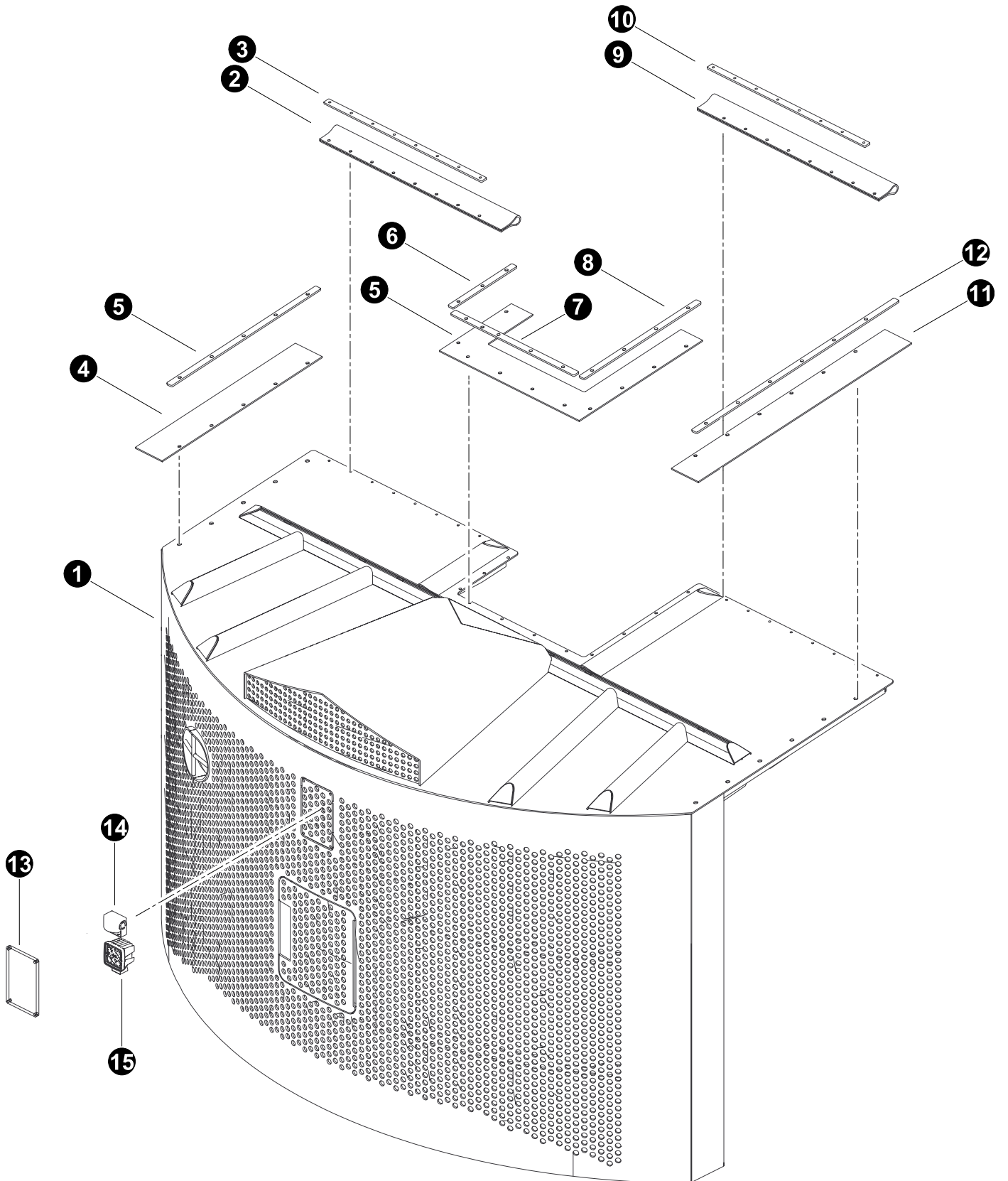
## UPPER TURNTABLE GUARDS, PANELS & COVERS INSTALLATION (Gull Wing Door Installation)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 UPPER TURNTABLE WELDMENT . . . . .	UP-1
2	55114-UP	1	BOLT, GULLWING - ROD END 1.25" X 8"	
3	52026-UP	2	NUT,HEX GULLWING CYL. - 1.25" - GRD 9 (See Note1)	
4	REF.	1	 GULL WING CYLINDER. . . . .	UP-1
5	22531-UP	4	WASHER, SAE FLAT - 1.25"	
6	52844-UP	2	LINK, GULLWING SAFETY CHAIN	
7	54260-UP	2	CLEVIS, 3/8" - GULLWING (2 PER) NEW	
8	54261UP	1	CHAIN, 23 LINK - GULLWING GR 80	
9	52025-UP	1	BOLT, GULLWING CYL. - 1.25" - 7 X 7"	
10	15579-UP	4	WASHER, SAE FLAT - 1"	
11	18253-UP	2	NUT, LOCK - 1"	
12	REF	1	 DOOR, GULLWING - ASSEMBLY . . . . .	UP-1
13	15580-UP	2	BOLT, GULLWING CYL. - 1" - 8"	
14	10823-UP	4	BOLT - .3125" X 2"	
15	54511-UP	2	ISOLATOR, GULLWING MOUNTING-UHMW BLOCK	
16	54512-UP	2	CHANNEL, ISOLATOR MOUNT - GULLWING	
17	54520-UP	2	SPACER, GULLWING ISOLATOR	
18	15559-UP	4	WASHER, SAE FLAT - .3125"	
19	1078 8-UP	4	NUT, NYLOCK - .3125"	

 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)

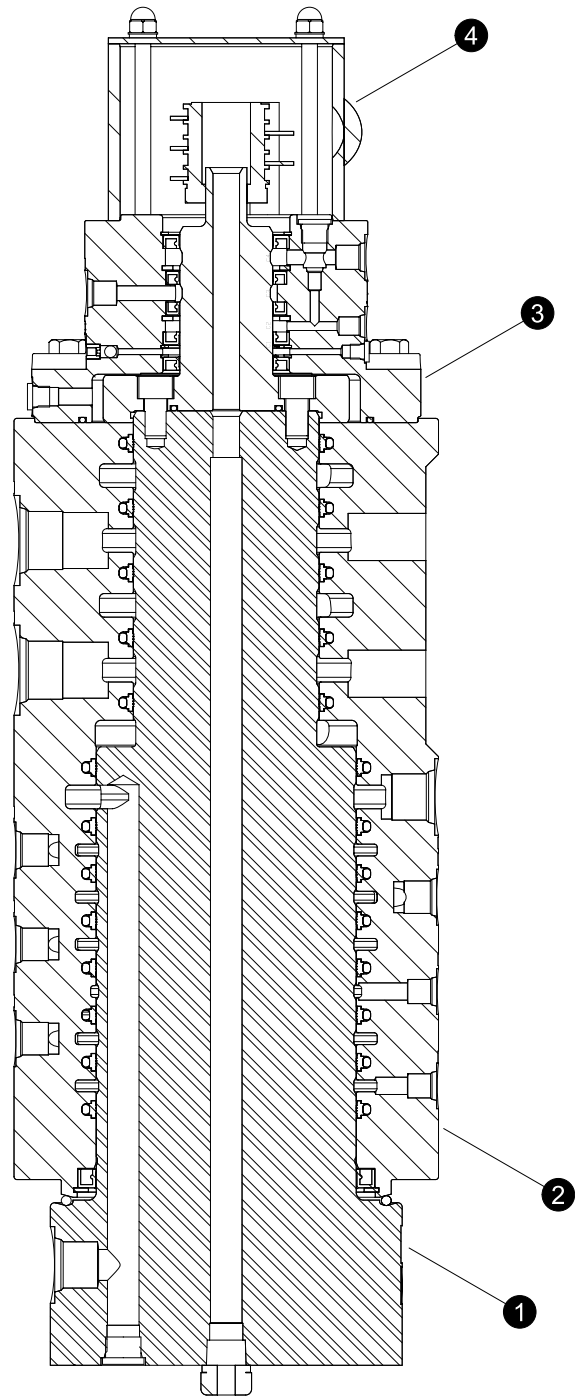
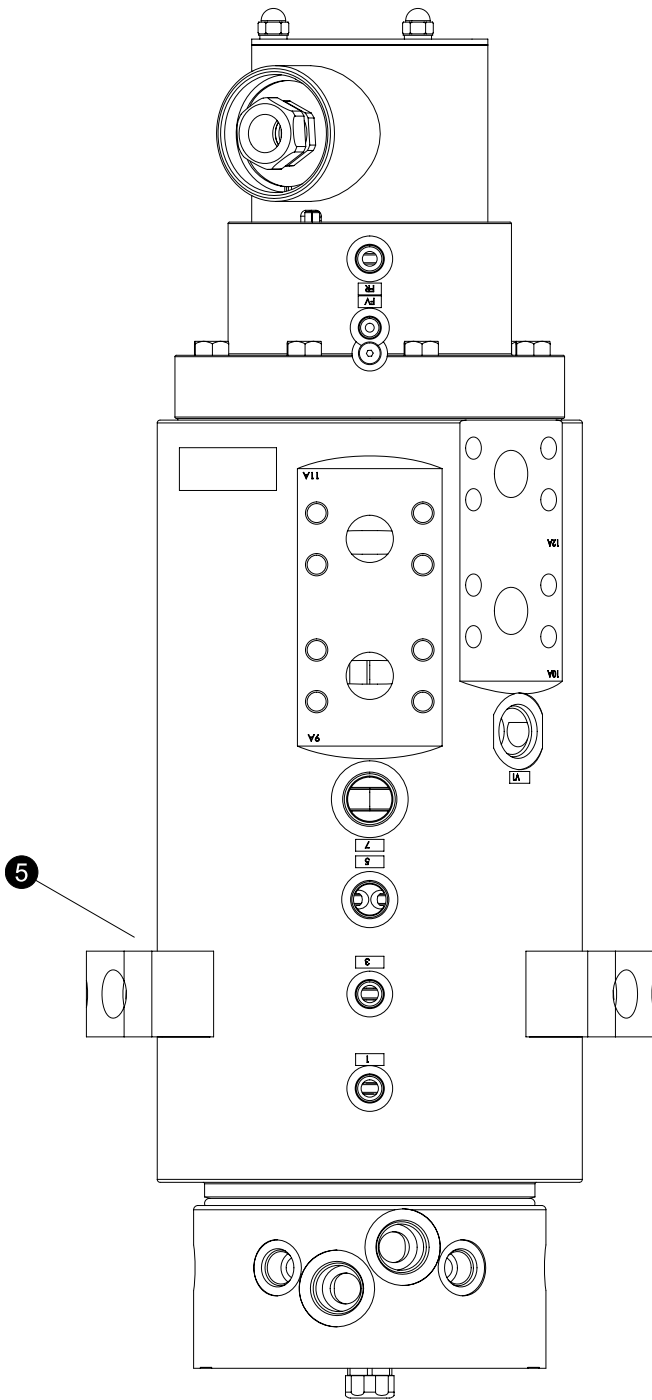
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	46110-UP	1	DOOR, GULLWING C-SERIES (LH CAB)	
2	46627-UP	1	RUBBER, FLAP - GULL FRONT (C SERIES)	
3	46616-UP	1	BAR, RUBBER HOLD DOWN - GULL RH/LH FRONT	
4	46621-UP	1	RUBBER, FLAP - GULL SHORT SIDE	
5	46626-UP	1	RUBBER, FLAP - GULL - CENTER (C SERIES)	
6	46623-UP	1	BAR, RUBBER HOLD DOWN - GULL CENTER SHOR	
7	46625-UP	1	BAR, RUBBER HOLD DOWN - GULL CENTER	
8	46624-UP	1	BAR, RUBBER HOLD DOWN - GULL CENTER LONG	
9	46627-UP	1	RUBBER, FLAP - GULL FRONT (C SERIES)	
10	46616-UP	1	BAR, RUBBER HOLD DOWN - GULL RH/LH FRONT	
11	46622-UP	1	RUBBER, FLAP - GULL LONG SIDE	
12	46619-UP	1	BAR, RUBBER HOLD DOWN - GULL LONG SIDE	
13	53065-UP	1	LEXAN, GULLWING CAMERA/LIGHT	
14	VCCS150	1	REAR VIEW CAMERA	
15	50999-UP	1	LIGHT, - LED WORK LIGHT	



See reference page for component or assembly breakdown.



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



Parts T3712 09/08  
18.75

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

### (HYDRA DYNE ROTARY 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) <b>Optional for Auto Level</b>	
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.

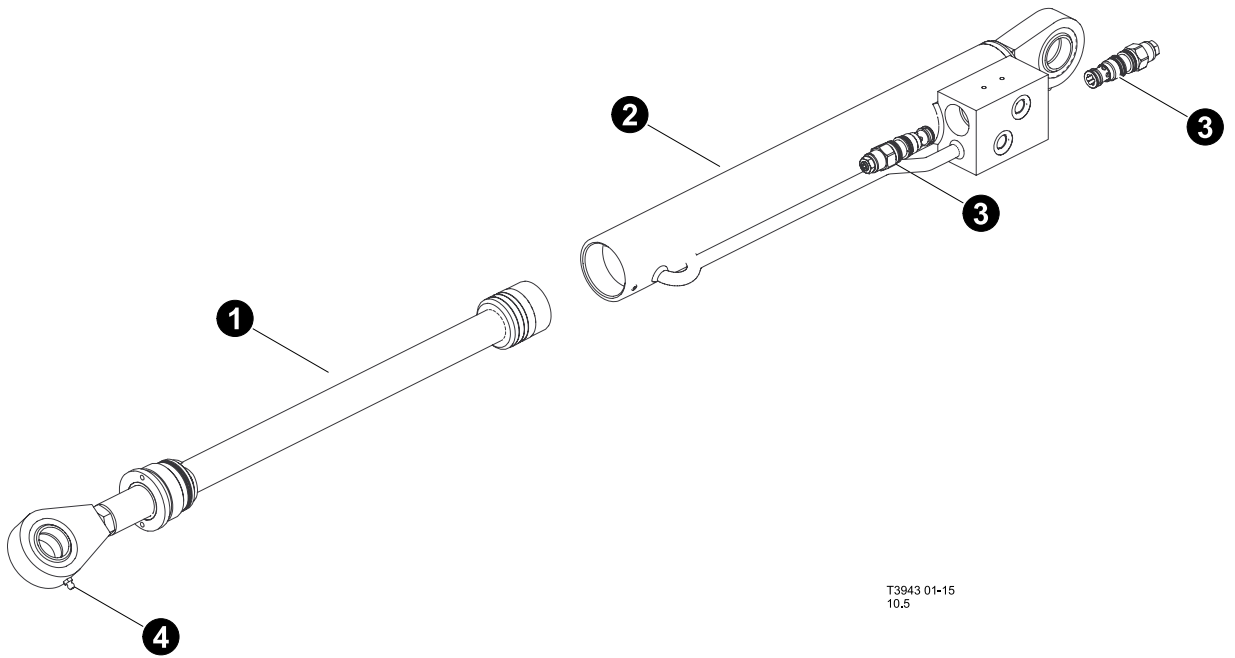


Kit or Assembly - includes all items indented underneath.



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.



T3943 01-15  
10.5

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

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	55137-UP	1	<input type="checkbox"/> 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	

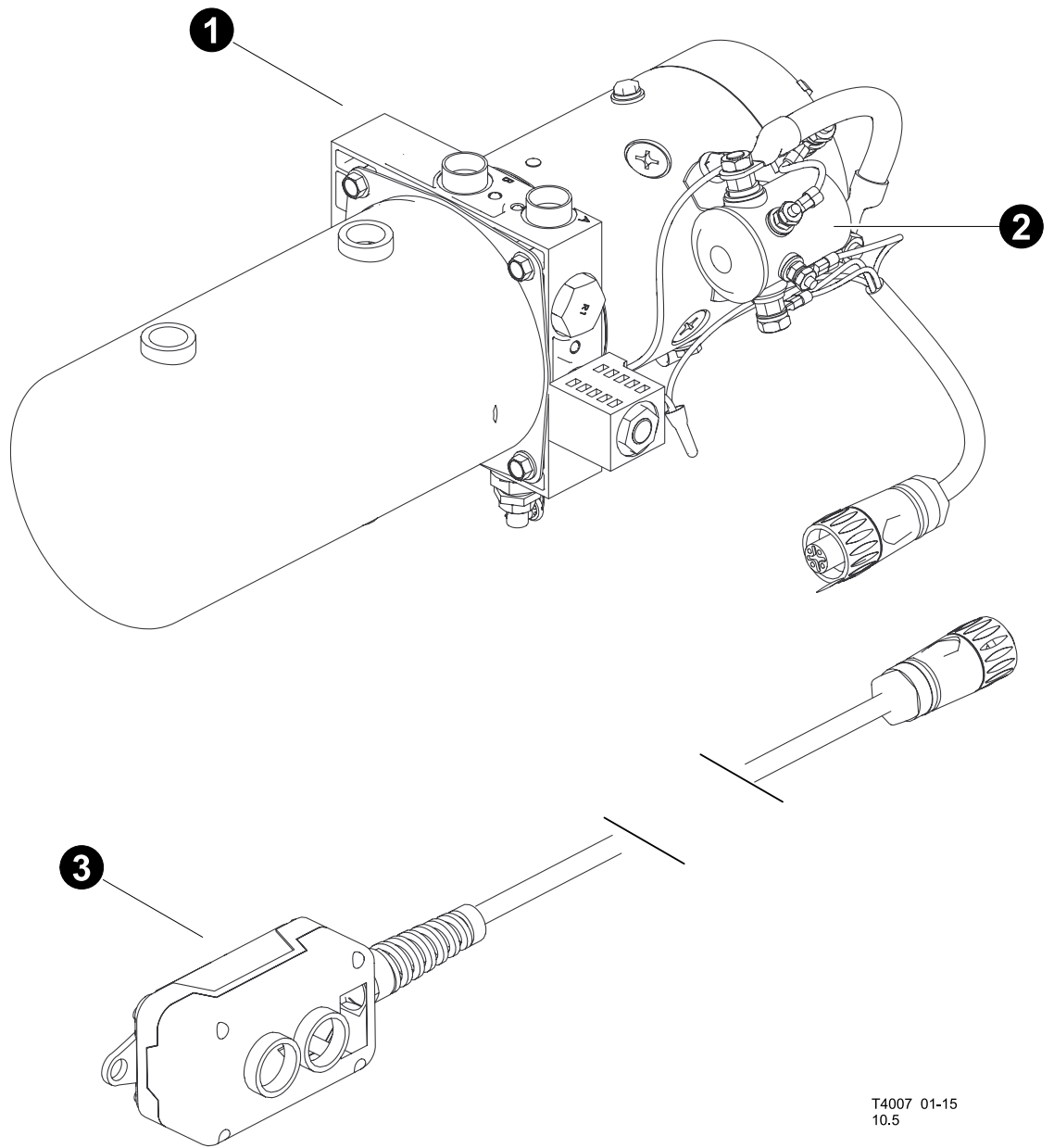


See reference page for component or assembly breakdown.



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	<input type="checkbox"/> 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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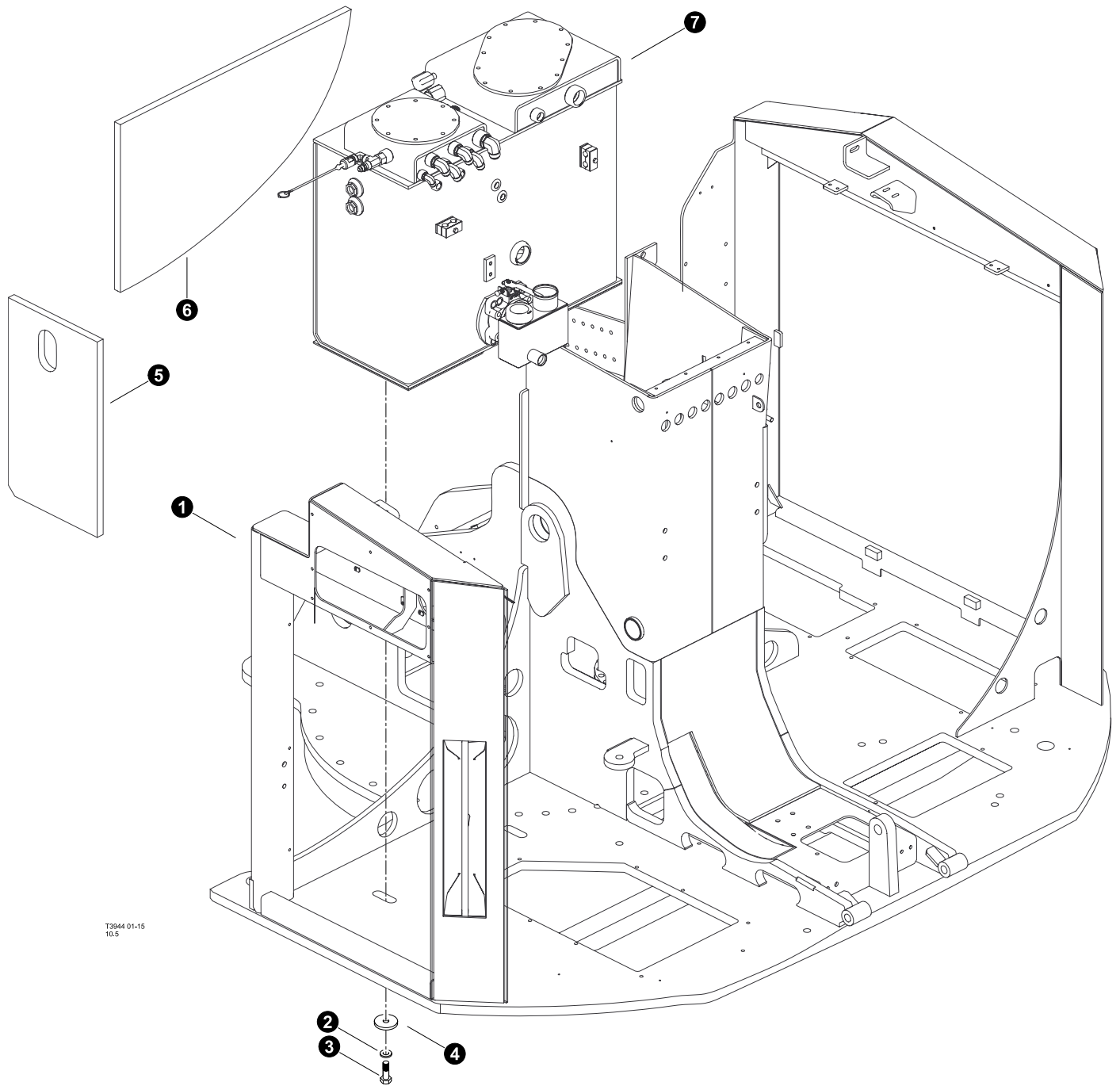
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# Section UP-2



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## Upper Turntable - Hydraulic Tank

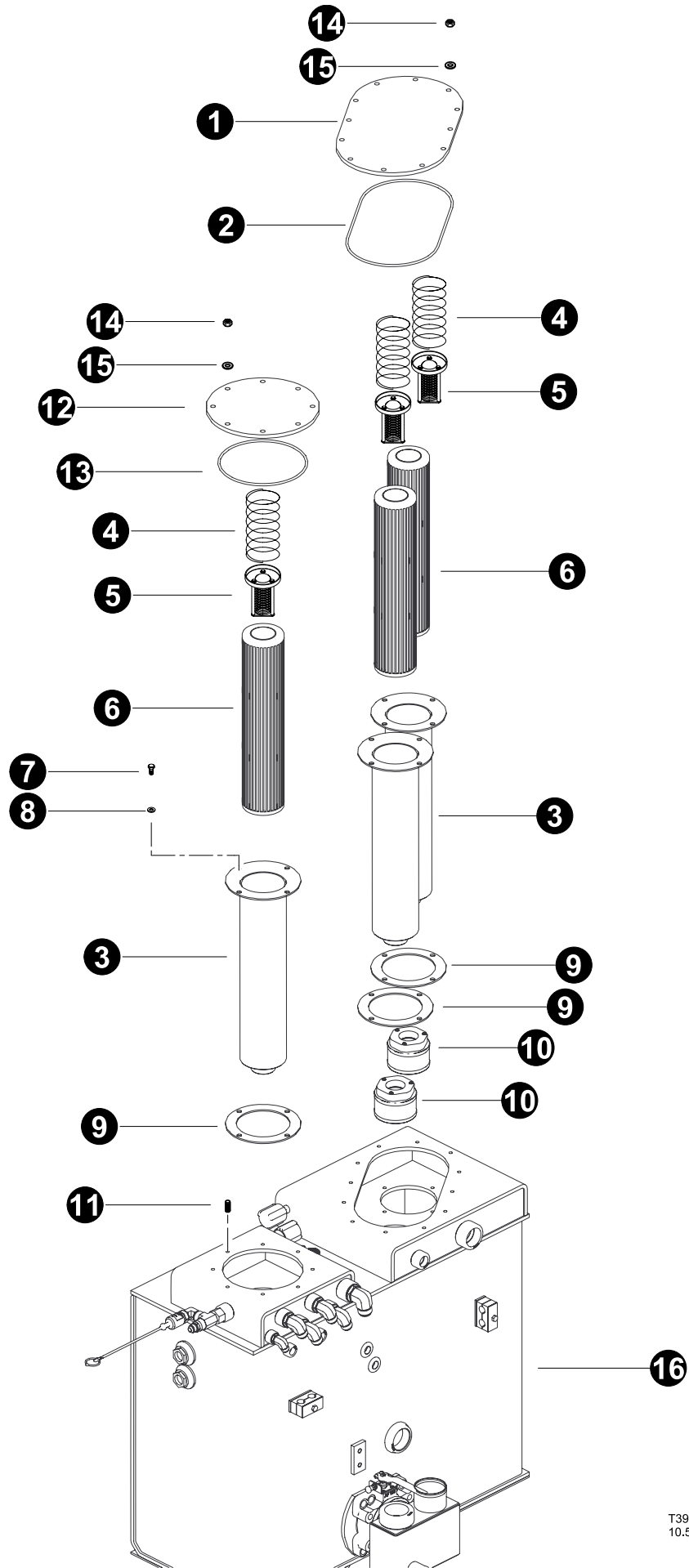


## HYDRAULIC TANK INSTALLATION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		UPPER TURNTABLE WELDMENT .....	UP-1
2	54148-UP	2		WASHER, BURNED	
3	15681-UP	2		BOLT - .625" X 3"	
4	17918-UP	2		WASHER, isolator mount .875"	
5	46692-UP	1		FOAM, HYDRAULIC TANK - C-MODEL	
6	46652-UP	1		INSULATION, CAB TO HYD TANK	
7	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

### Machines 0324 - 0558 and Before

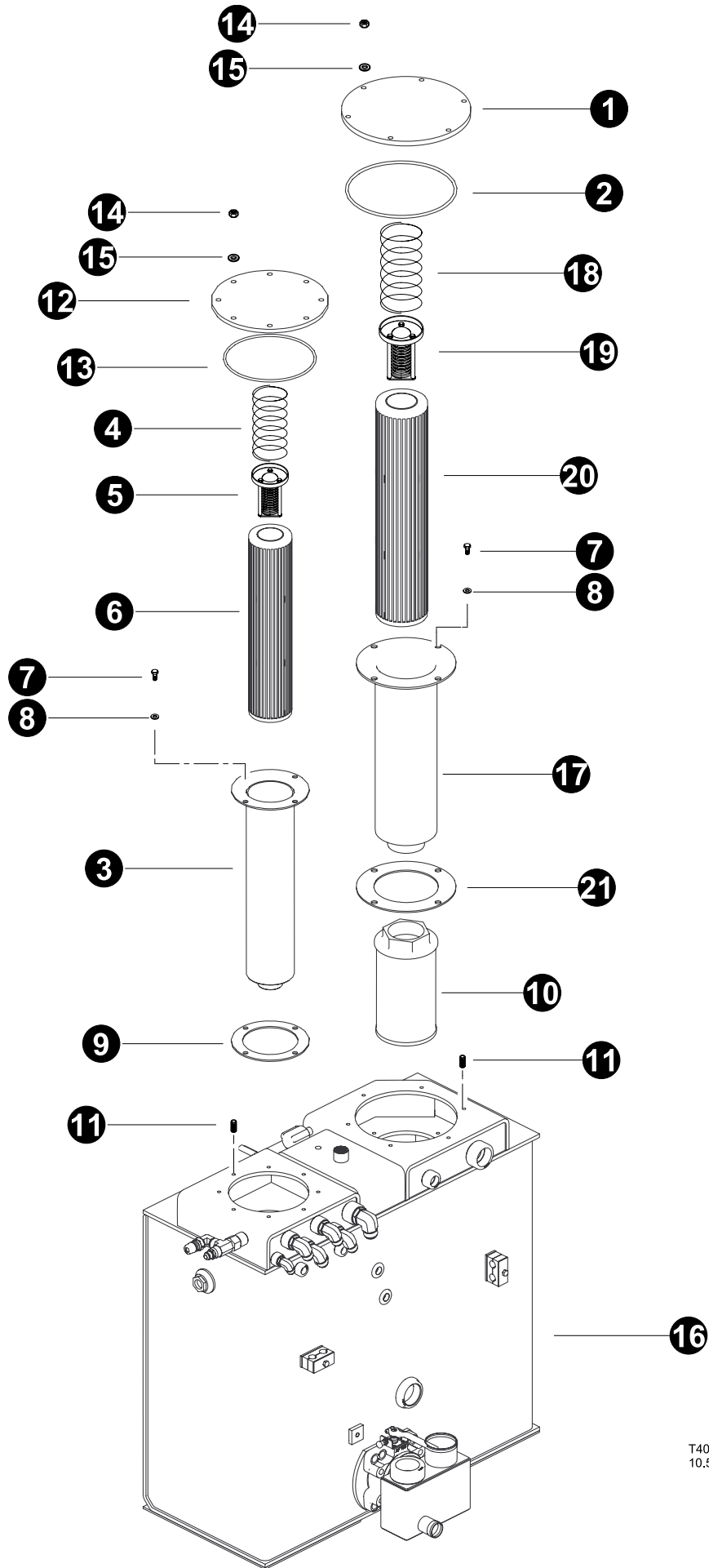
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	44738-UP	1	COVER - RETURN FILTER	
2	54417-UP	1	O-RING	
3	51621-UP	1	<input type="checkbox"/> FILTER KIT, HYD. TANK MAIN RETURN	
4		1	SPRING, CASE DRAIN FILTER	
5		1	BYPASS CHECK, CASE DRAIN FILTER	
6	22647-UP	1	ELEMENT, RETURN FILTER (Case Drain)	
7	15542-UP	8	BOLT - .375" X .75"	
8	15528-UP	8	WASHER, SAE FLAT - .375"	
9		1	SEAL, Gasket (LFT-642)	
10	54851-UP	1	DIFFUSER, RETURN LRT FILTER - C SERIES	
11	42393-UP	1	STUD - .5"-13NC X .5"-20NF X 2.0LG"	
12	44737-UP	1	COVER - CASE DRAIN	
13	15600-UP	1	O-RING - 8" DIA. -369	
14	42394-UP	10	NUT, HEX .5-20NF	
15	15534-UP	10	WASHER, SAE FLAT - .5"	
16	REF	1	<input type="checkbox"/> HYDRAULIC TANK ASSEMBLY.....	UP-2



See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



T4092 06-15  
10.5

## HYDRAULIC TANK FILTER ASSEMBLES

### Machines 0325 - 0559 and After

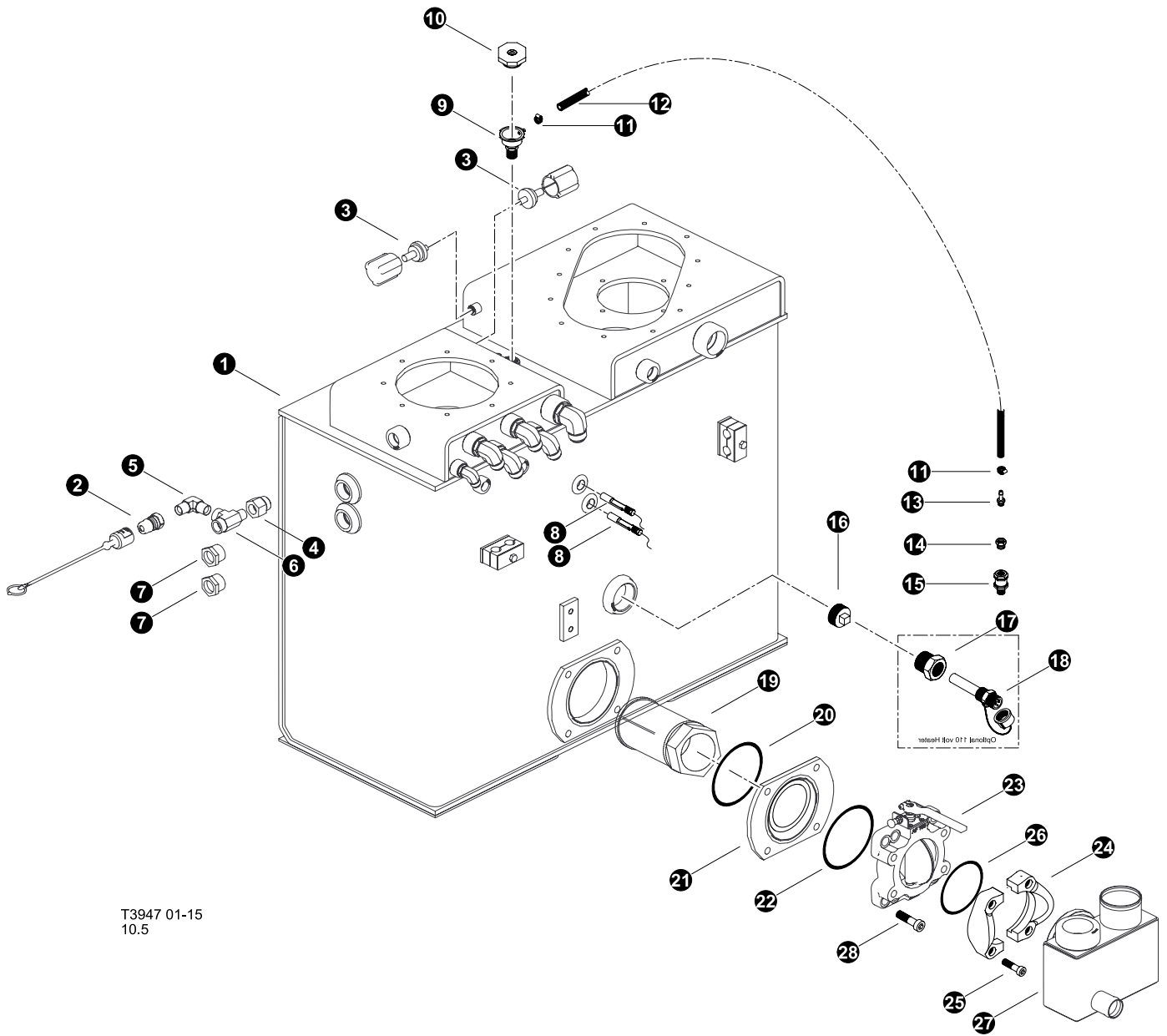
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	46568-UP	1	COVER - RETURN FILTER	
2	42310-UP	1	O-RING - 13" DIA. -382	
3	51621-UP	1	<input type="checkbox"/> FILTER KIT, HYD. TANK MAIN RETURN	
4		1	SPRING, CASE DRAIN FILTER	
5		1	BYPASS CHECK, CASE DRAIN FILTER	
6	22647-UP	1	ELEMENT, RETURN FILTER (Case Drain)	
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	42393-UP	1	STUD - .5"-13NC X .5"-20NF X 2.0LG"	
12	44737-UP	1	COVER - CASE DRAIN	
13	15600-UP	1	O-RING - 8" DIA. -369	
14	42394-UP	10	NUT, HEX .5-20NF	
15	15534-UP	10	WASHER, SAE FLAT - .5"	
16	REF	1	<input type="checkbox"/> HYDRAULIC TANK ASSEMBLY.....	UP-2
17	51620-UP	1	<input type="checkbox"/> FILTER KIT, HYD. TANK MAIN RETURN	
18	BFT-162	1	COMPRESSION SPRING	
19	A-LFT-843	1	BYPASS VALVE	
20	52350-UP	1	ELEMENT, MAIN RETURN HYD TANK	
21	-UP	1	SEAL, Gasket	



See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



T3947 01-15  
10.5

## HYDRAULIC TANK ASSEMBLY

### Hydraulic Tank Components installation

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	46150-UP	1		WELDMENT, HYDRAULIC TANK - <b>SHORT</b> (C SERIES SN 0324 - 0558 and Before)	
1	47171-UP	1		WELDMENT, HYDRAULIC TANK - <b>TALL</b> (C SERIES SN 0325 - 0559 and After)	
2	17307M-UP	1		QUICK DISCONNECT - .5" (MALE)	
-	17323F-UP	1		COVER, DUST - QUICK DISCONNECT (FEMALE)	
3	51764-UP	2		SWITCH, PRESSURE - SCHROEDER (830/630)	
4	16805-UP	1		BUSHING, REDUCER - 6405-12-8	
5	17487-UP	1		ELBOW, 90 - 5500-8	
6	-UP	1		TEE - 8	
7	24308-UP	2		SIGHT GLASS	
8	51379-UP	2		SWITCH, HYD. OIL LEVEL .50 NPT GEMS	
-	24531-UP	1		TRANSDUCER, HYD TEMP (IQAN SYSTEM)	
9	17156-UP	1		STEM, HYDRAULIC TANK RELIEF CAP	
10	18135-UP	1		CAP, HYD. RESERVOIR RELIEF - 13 PSI	
11	16202-UP	1		CLAMP, HOSE - WORM STYLE - .625"	
12	16238-UP	5 ft	✂	HOSE, FUEL LINE (BULK ROLL) - .3125"	
13	16990-UP	1		CONNECTOR, STR HOSE BARB - 4244-5-4	
14	11318-UP	1		BUSHING, REDUCER - 5406-6-4	
15	15652-UP	1		VALVE, CHECK - HYDRAULIC/FUEL TAN	
16	53105-UP	1		PLUG, BLACK PIPE - 2.0" HYD. TANK 830/630	
17	26397-UP	1		BUSHING, BLACK - 2" X 1.25"	
18	20069-UP	1		ELEMENT, HEATER - HYD. TANK (120V 600W) (OPTIONAL)	
19	15842-UP	1		FILTER, SCREEN - IMPLEMENT	
20	51726-UP	1		O-RING, HDYRAULIC TANK	
21	42306-UP	1		PLATE, INTER.-SUCTION PORT 100mm VALVE	
22	51726-UP	1		O-RING, HDYRAULIC TANK	
23	54786-UP	1		VALVE, SHUT OFF - BUTTERFLY (4" )	
24	51625-UP	1	☐	KIT, FLANGE - SUCTION TUBE (4" )	
25	1-246-90-UP	4		BOLT	
26	51725-UP	1		O-RING	
27	46200-UP	1		WELDMENT, SUCTION TUBE, C-MODEL	
28	18918-UP	4		BOLT, ALLEN HEAD - .5" X 2.5"	



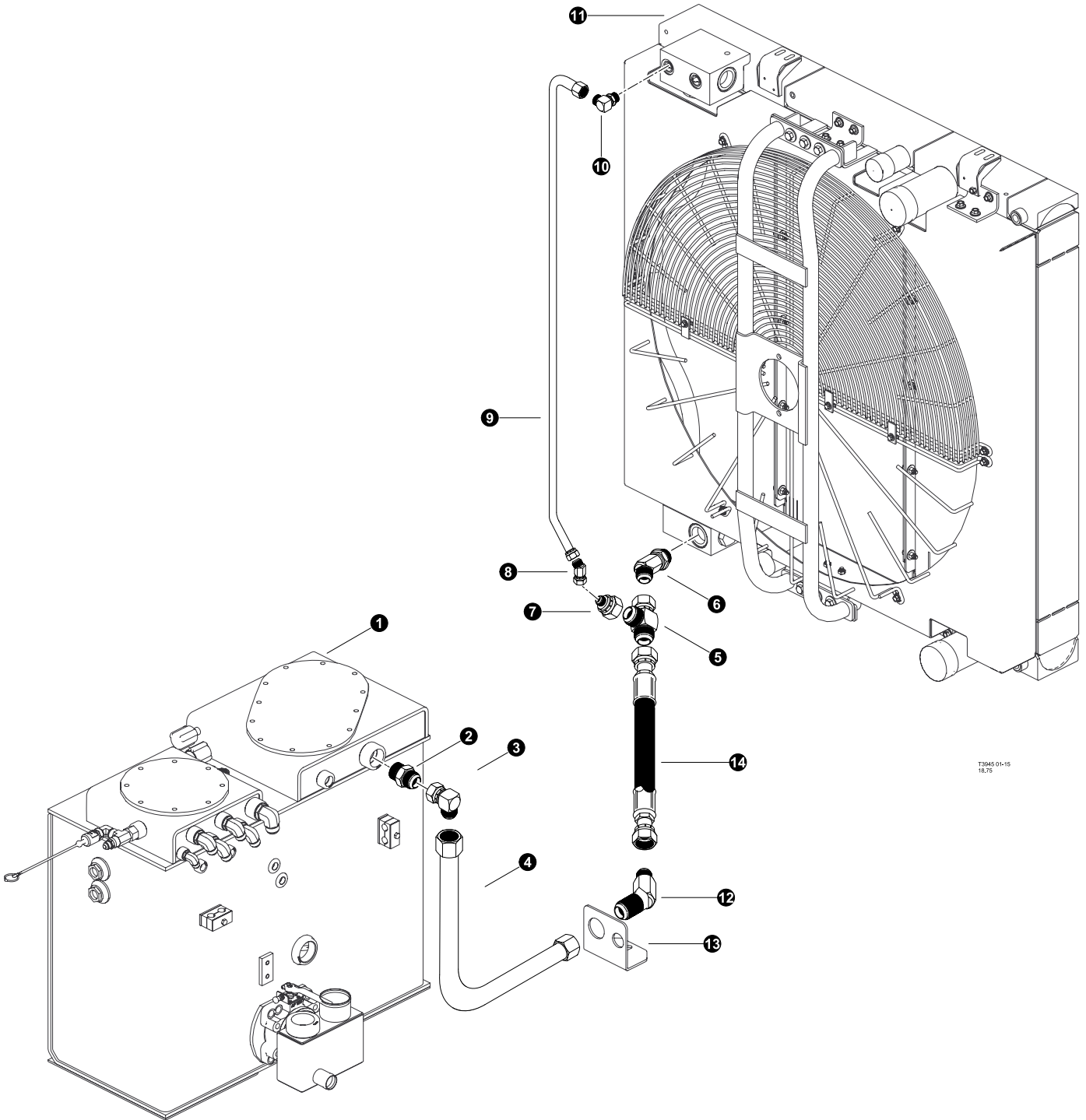
See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.







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



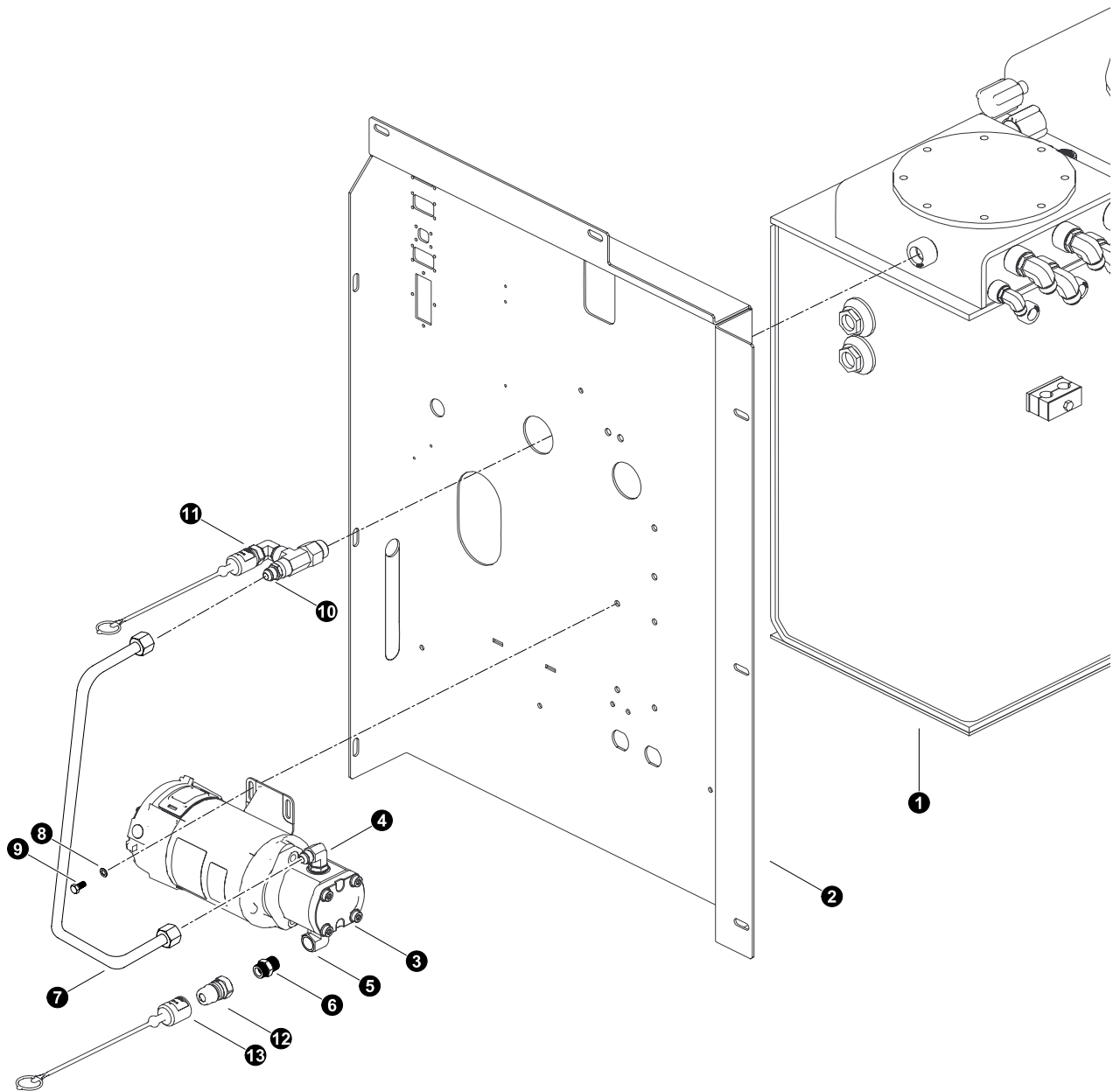
## HYDRAULIC TANK

### Hydraulic Tank Return Line to Oil Cooler


REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		HYDRAULIC TANK ASSEMBLY. ....	UP-2
2	22319-UP	1		CONNECTOR, STR JIC 24	
4	55166-UP	1		CONNECTOR, STR - 848-TTO-24X24	
3	54714-UP	1		ELBOW, 90 SWIVEL 24C6X-S (24 JICMF)	
5	53183-UP	1		FITTING, SWIVEL NUT RUN TEE #24	
6	55342-UP	1		FITTING, ELBOW - 45DEG - 24 V5OX-S	
7	53180-UP	1		FITTING, REDUCER TUBE END - 24-12	
8	15472-UP	1		ELBOW, 45 SWIVEL - 12 V6X-S	
9	55623-UP	1		TUBELINE, SPIKE TO LOWER TUBE - C MODEL	
10	11306-UP	1		ELBOW, 90 12 C5OX-S	
11	REF	1		HYDRAULIC OIL COOLER / RADIATOR ASSEMBLY. ....	UP-3
12	55370-UP	1		FITTING, ELBOW - 2702-24-24	
13	46246-UP	1		PLATE, BULKHEAD - COOLER	
14	-UP	1		HOSE ASSEMBLY - 2038-24JS-24JS	

-  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.



## HYDRAULIC TANK (Standard Hydraulic Tank Fill Pump System)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		HYDRAULIC TANK ASSEMBLY.....	UP-2
2	46037-UP	1		WELDMENT, ELEC PANEL, C-MODEL	
3	REF	1		FILL PUMP ASSEMBLY.....	UP-2
4	15482-UP	1		ELBOW, 90 - 6801-10-8	
5	22383-UP	1		ELBOW, 90 - 12 AOEG5-S	
6	54998-UP	1		FITTING, FILL PUMP - C-MODEL	
7	55164-UP	1		TUBELINE, FILL PUMP / TANK - C SERIES	
8	15542-UP	4		BOLT - .375" X .75"	
9	15528-UP	4		WASHER, SAE FLAT - .375"	
10	-UP	1		CONNECTOR, STR - 2404-8-8	
11	17307M-UP	1		QUICK DISCONNECT - .5" (MALE)	
12	55620-UP	1		NIPPLE, 60 SERIES - H6-63-T12	
13	55617-UP	1		CAP, QUICK CONNECT - RUBBER (RED)	



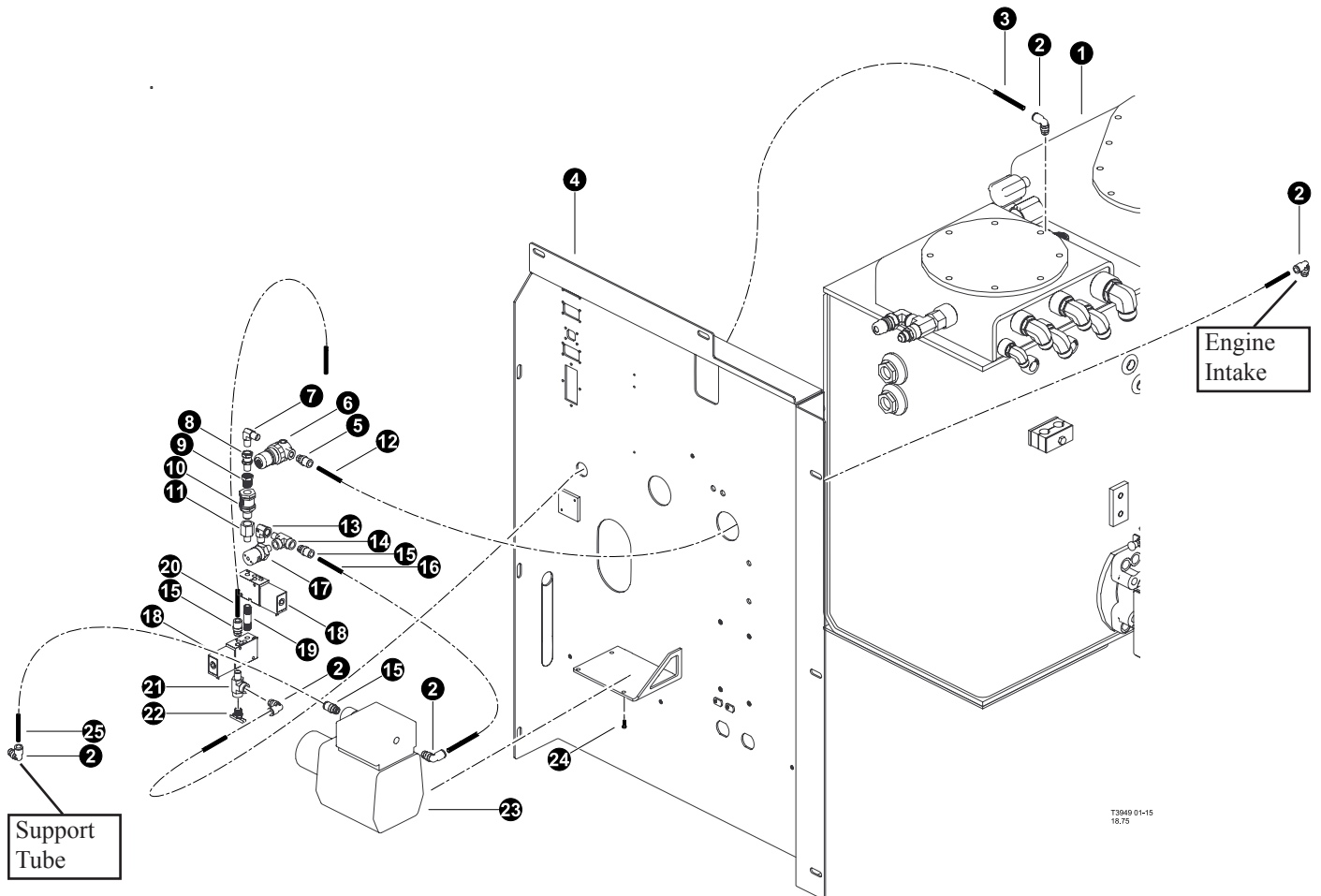
See reference page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.












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

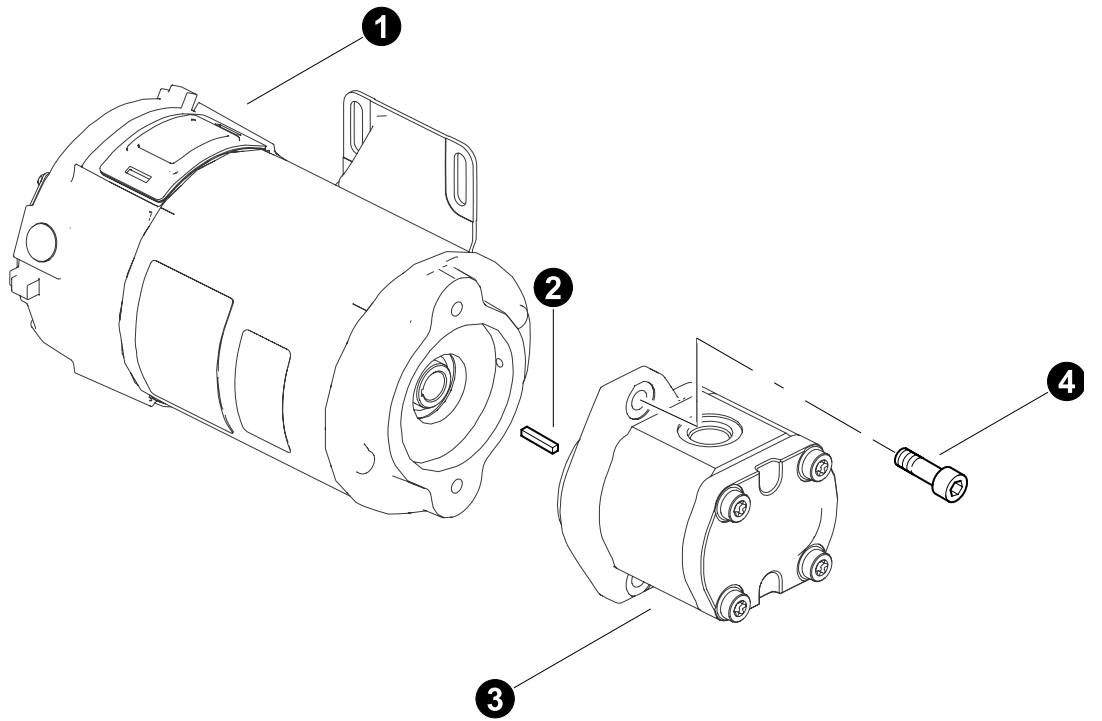


T3949 01-15  
18.75

## 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	46037-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.



T3950 01/15

## HYDRAULIC FILL PUMP BREAKDOWN

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	-UP	1	<input type="checkbox"/> ASSEMBLY - HYDRAULIC FILL PUMP with COOLER LOOP	
1	51503-UP	1	MOTOR, HYD OIL FILL (ELECTRIC) - 24V	
2	-UP	1	KEY,	
3	16800-UP	1	PUMP, electric hydraulic oil fill	
4	-UP	2	BOLT, ALLEN HEAD - .375" X 1"	



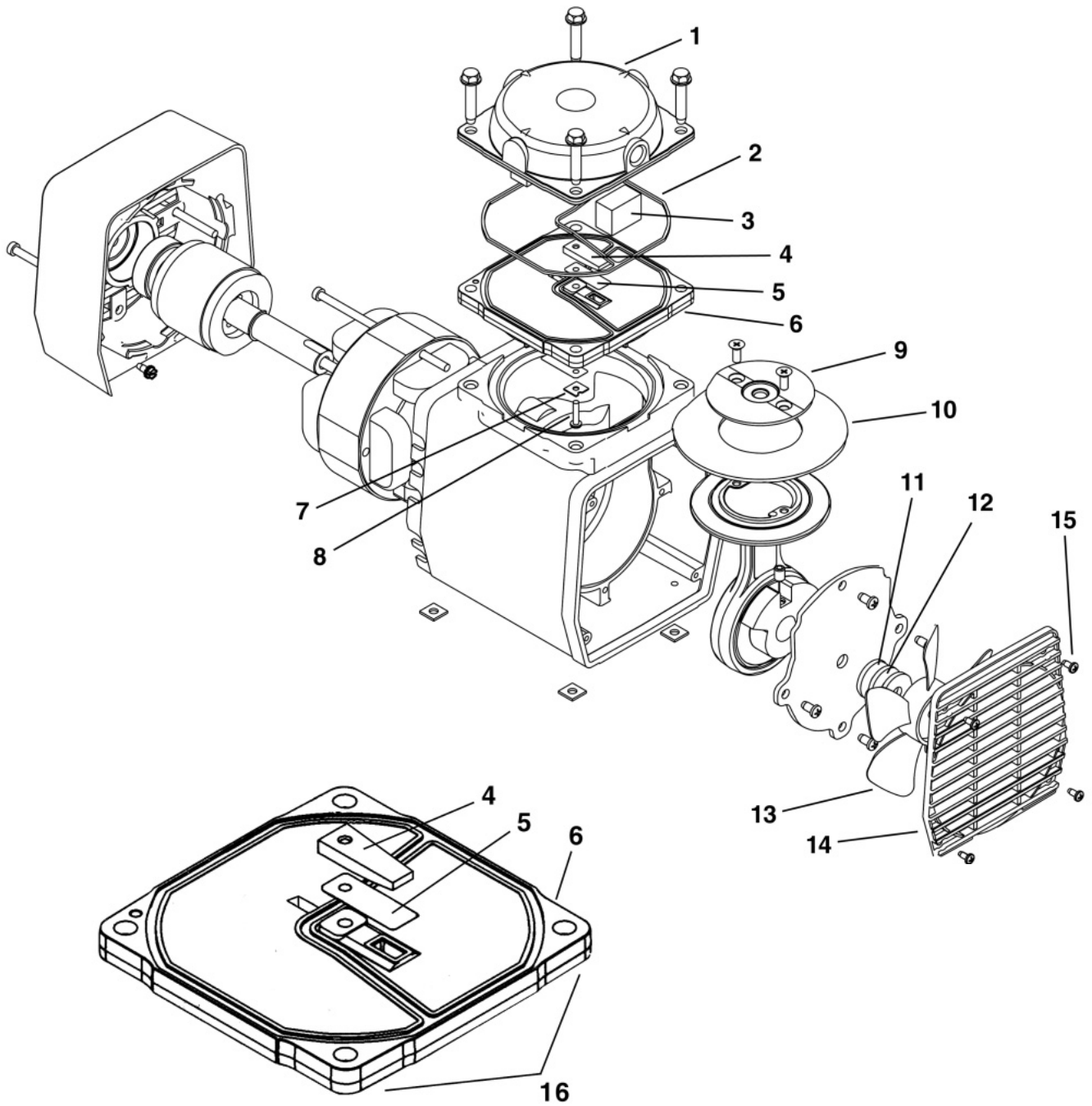
See reference page for component or assembly breakdown.



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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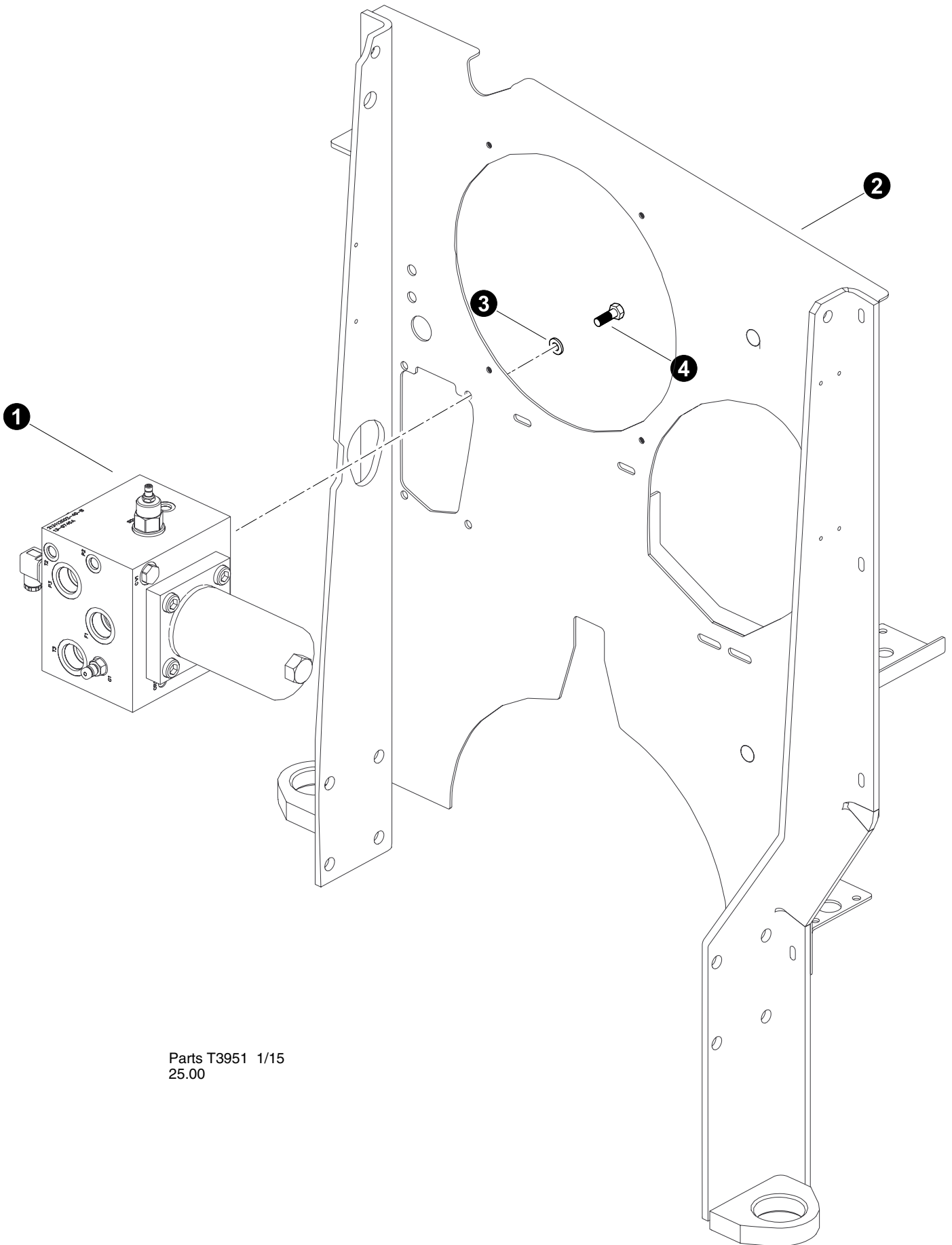
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# Section UP-3

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## 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.



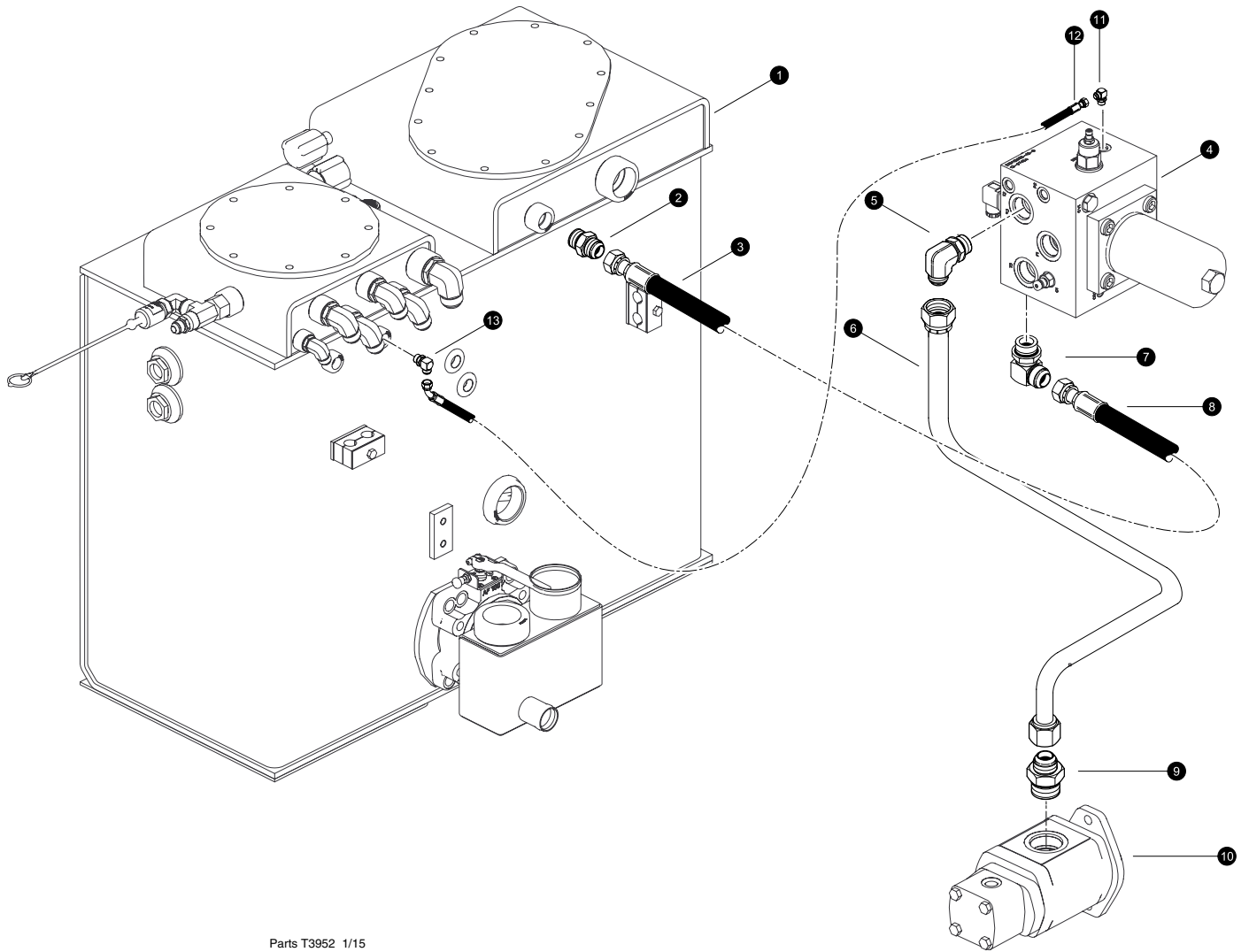
Kit or Assembly - includes all items indented underneath.

#### **Note #1:**

Use Loctite 271 (*red*) during installation.

#### **Note #2:**

Use Loctite 272 (*blue*) during installation.



Parts T3952 1/15  
25.00

## RADIATOR AND COOLER FAN CIRCUIT

### Charge Manifold Pressure and Tank Connections

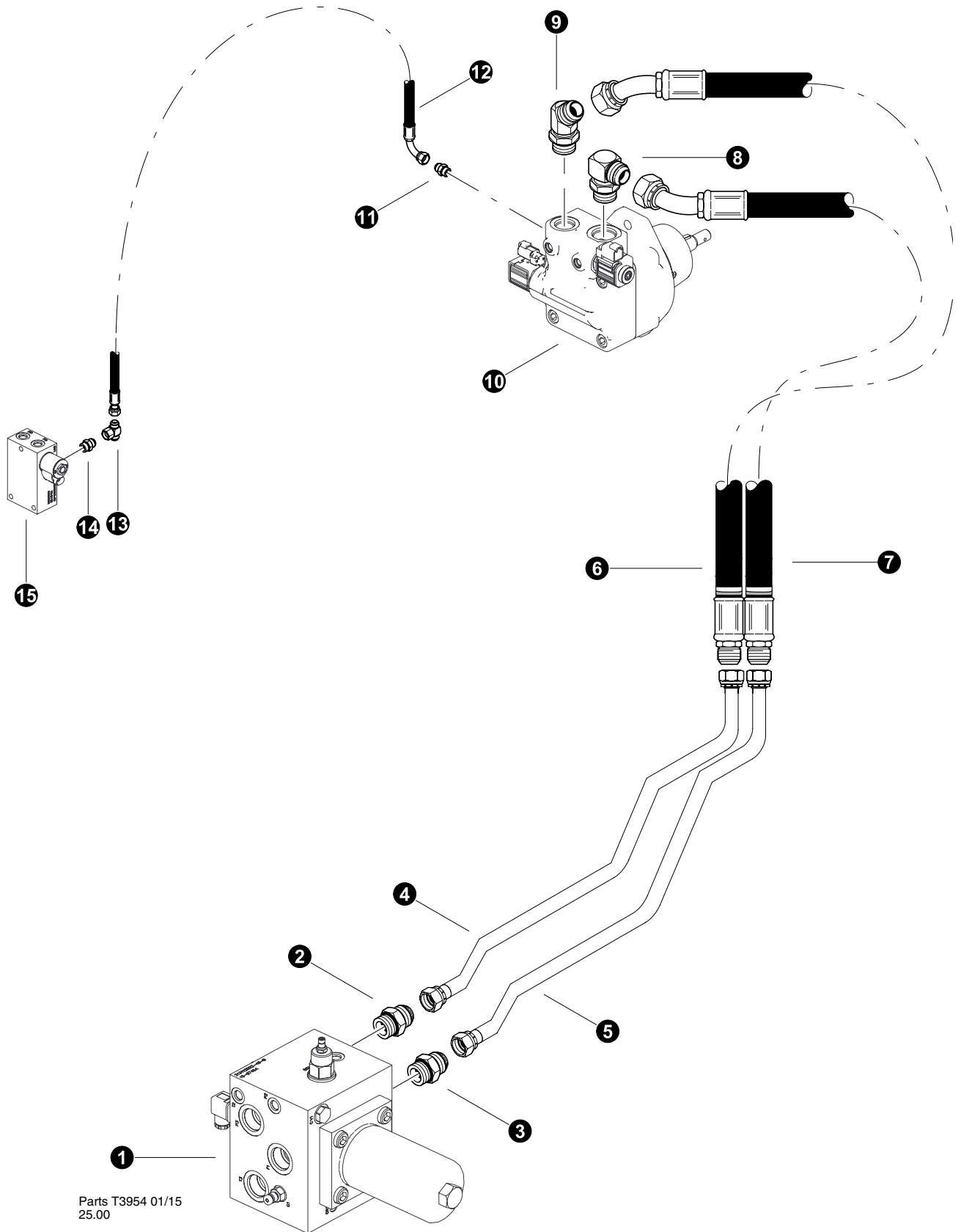
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	HYDRAULIC TANK ASSEMBLY.....	UP-2
2	11324-UP	1	CONNECTOR, STR - 6400-12	
3	-UP	1	HOSE ASSEMBLY - 2023 12 12JS 12JS (T3 port to Hyd Tank Return)	
4	REF	1	FAN CONTROL MANIFOLD.....	UP-3
5	15484-UP	1	ELBOW, 90 - 16 C50X-S	
6	55160-UP	1	TUBELINE , CHRGM PUMP TO CHRGM FILTER P3	
7	11306-UP	1	ELBOW, 90 12 C50X-S	
8	-UP	1	HOSE ASSEMBLY - 2023 12 12JS 12JS (T3 port to Hyd Tank Return)	
9	15498-UP	1	CONNECTOR, STR - 6400-16-20	
10	REF	1	TRACK DRIVE CHARGE PUMP .....	WD-3
10	52971-UP	1	ELBOW, 90 - 16 CC50X JIC/ORB (LONG)	
11	15480-UP	1	ELBOW, 90 - 6801-6	
12	-UP	1	HOSE ASSEMBLY - 2055 06-06JS 06J4 (Charge Manifold DR to Tank)	
13	53145-UP	1	FITTING, 6-8 C50X-S - JIC	



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



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

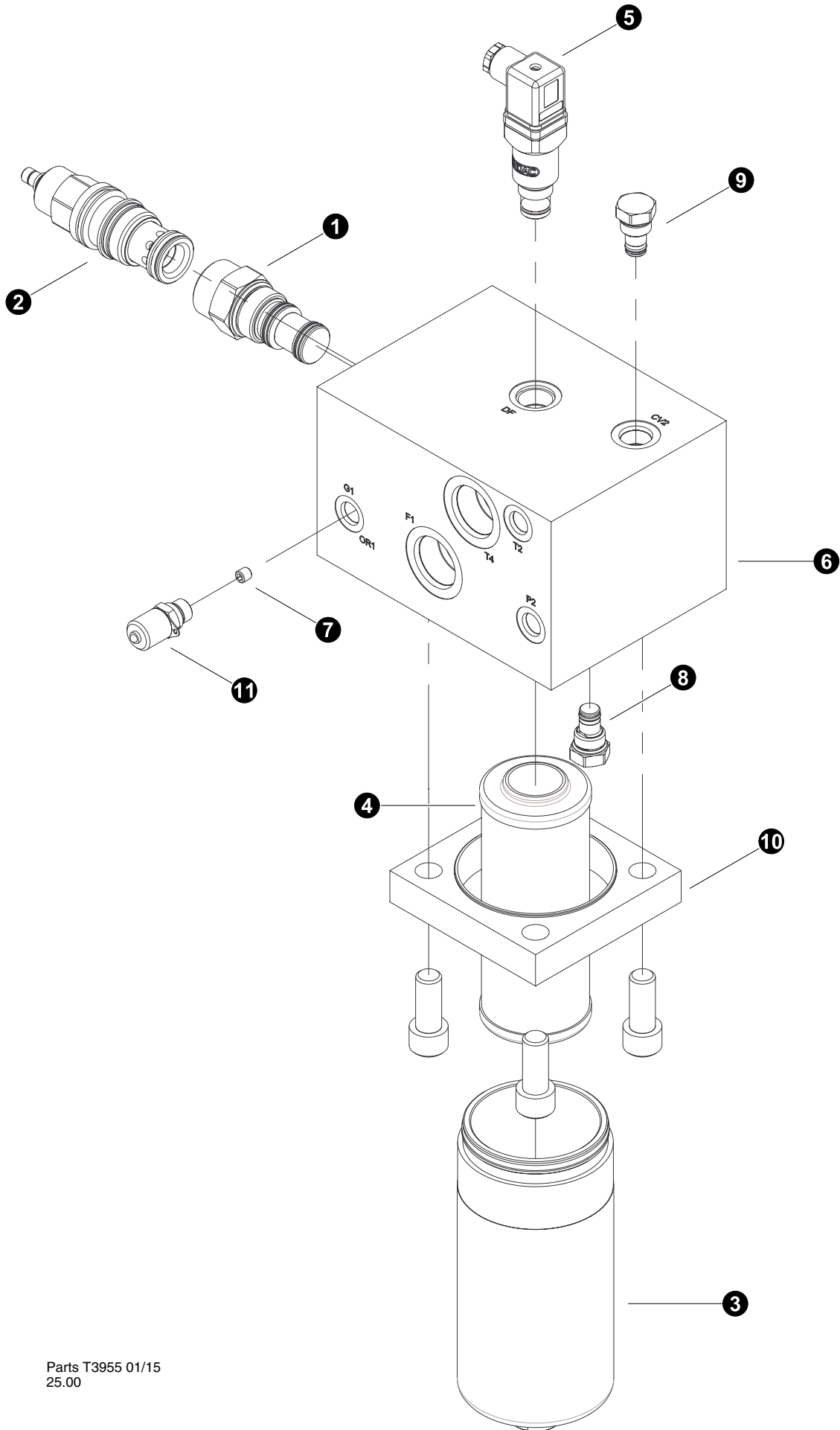
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	FAN CONTROL MANIFOLD.....	UP-3
2	15497-UP	1	CONNECTOR, STR - 16 F5OX-S	
3	15497-UP	1	CONNECTOR, STR - 16 F5OX-S	
4	55176-UP	1	TUBELINE, CHARGE MAN P4 TO FAN MTR P (Cummins)	
-	55517-UP	1	TUBELINE, CHARGE MAN P4 TO FAN MTR P (Volvo)	
5	55175-UP	1	TUBELINE, CHARGE MAN P1 TO FAN MTR T (Cummins)	
-	55518-UP	1	TUBELINE, CHARGE MAN P1 TO FAN MTR T (Volvo)	
6	-UP	1	HOSE ASSEMBLY - 2020 12 12J4 16MJ (Fan Motor Pressure - Cummins)	
-	-UP	1	HOSE ASSEMBLY - 2024 12 12J4 16MJ (Fan Motor Pressure - Volvo)	
7	-UP	1	HOSE ASSEMBLY - 2018 16 12J4 16MJ (Fan Motor Return - Cummins)	
-	-UP	1	HOSE ASSEMBLY - 2022.5 16 12J4 16MJ (Fan Motor Return - Volvo)	
8	15484-UP	1	ELBOW, 90 - 16 C5OX-S	
9	15474-UP	1	ELBOW, 45 - 6802-12	
10	REF	1	FAN DRIVE MOTOR .....	UP-3
11	15488-UP	1	CONNECTOR, STR - 6400-6	
12	-UP	1	HOSE ASSEMBLY - 2072 -06 06JS 06J9 (Fan Drain to Drain Manifold)	
13	-UP	1	TEE - 6 JIC	
14	53103-UP	1	FITTING, 6-8 - ORB-JIC	
15	REF	1	DRAIN MANIFOLD (SWING BRAKE) .....	FH-LH-HH



See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



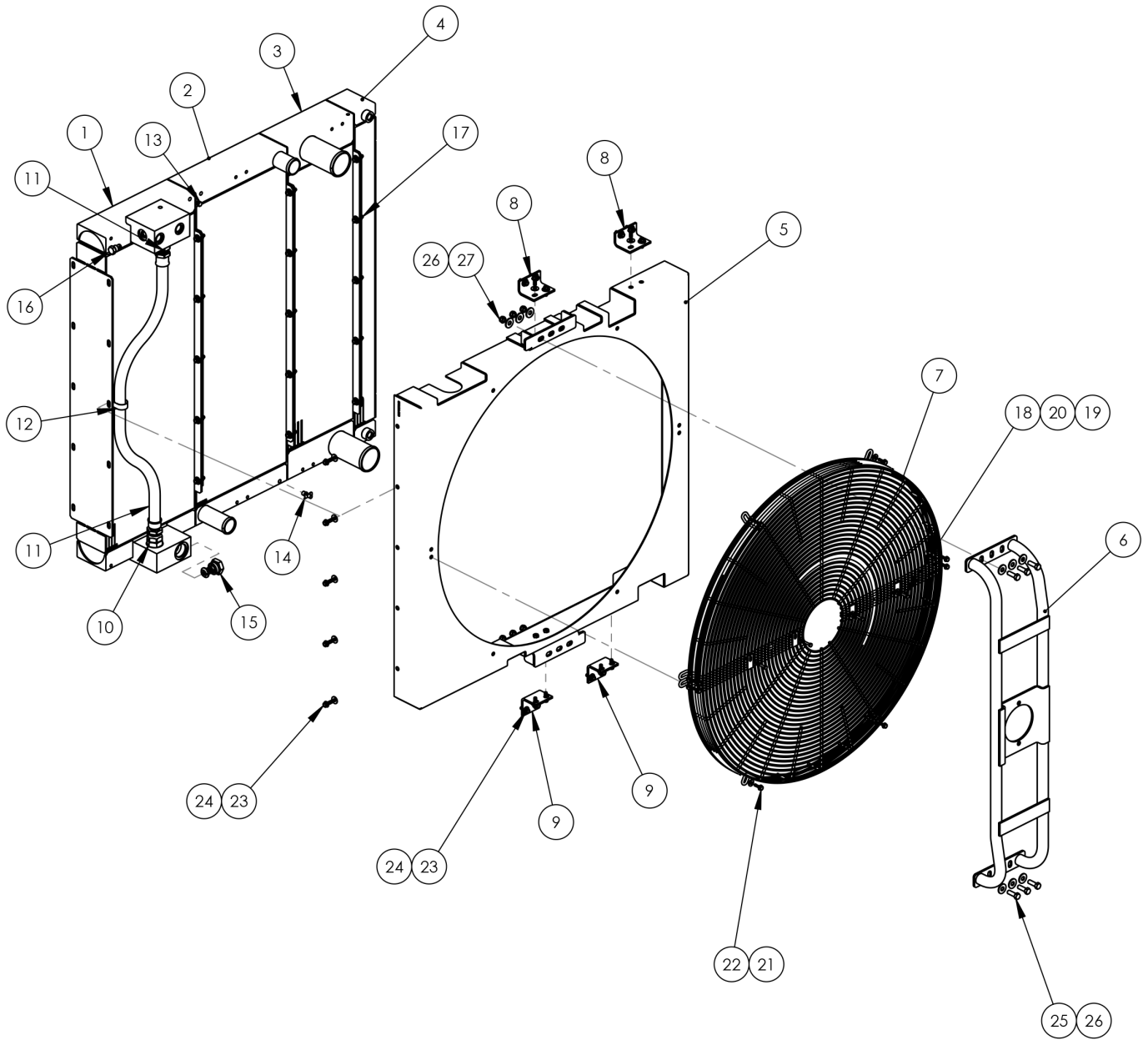
Parts T3955 01/15  
25.00

## RADIATOR AND COOLER FAN CIRCUIT

### Charge Manifold Breakdown

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	55146-UP	1	<input type="checkbox"/> MANIFOLD, CHARGE / COOLER LOOP - C SERIES	
1	-UP	1	CARTRIDGE, HYDRAFORCE (EP16-S35T-0-N-90)	
2	-UP	1	CARTRIDGE, HYDRAFORCE (RSHC-LDN)	
3	19864-UP	1	<input type="checkbox"/> CANISTER	
-	19863-UP	1	O-RING, canister	
-	19862-UP	1	RING, back-up - canister	
4	19861-UP	1	ELEMENT, hydrostatic charge filter (0240D020BN4HC)	
5	17675-UP	1	SWITCH, filter indicator (VM5C.0)	
6	-UP	1	BLOCK, Manifold (213071001-40)	
7	-UP	1	0.8mm ORIFICE	
8	-UP	1	CARTRIDGE, HYDRAFORCE (CV08-20-0-N-4)	
9	-UP	1	CARTRIDGE, HYDRAFORCE (CV08-20-0-N-60)	
10	-UP	1	FLANGE, Filter canister (205022401-40-B)	
11	-UP	1	TEST PORT (06007030)	

Kit or assembly. Includes all items indented underneath.



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

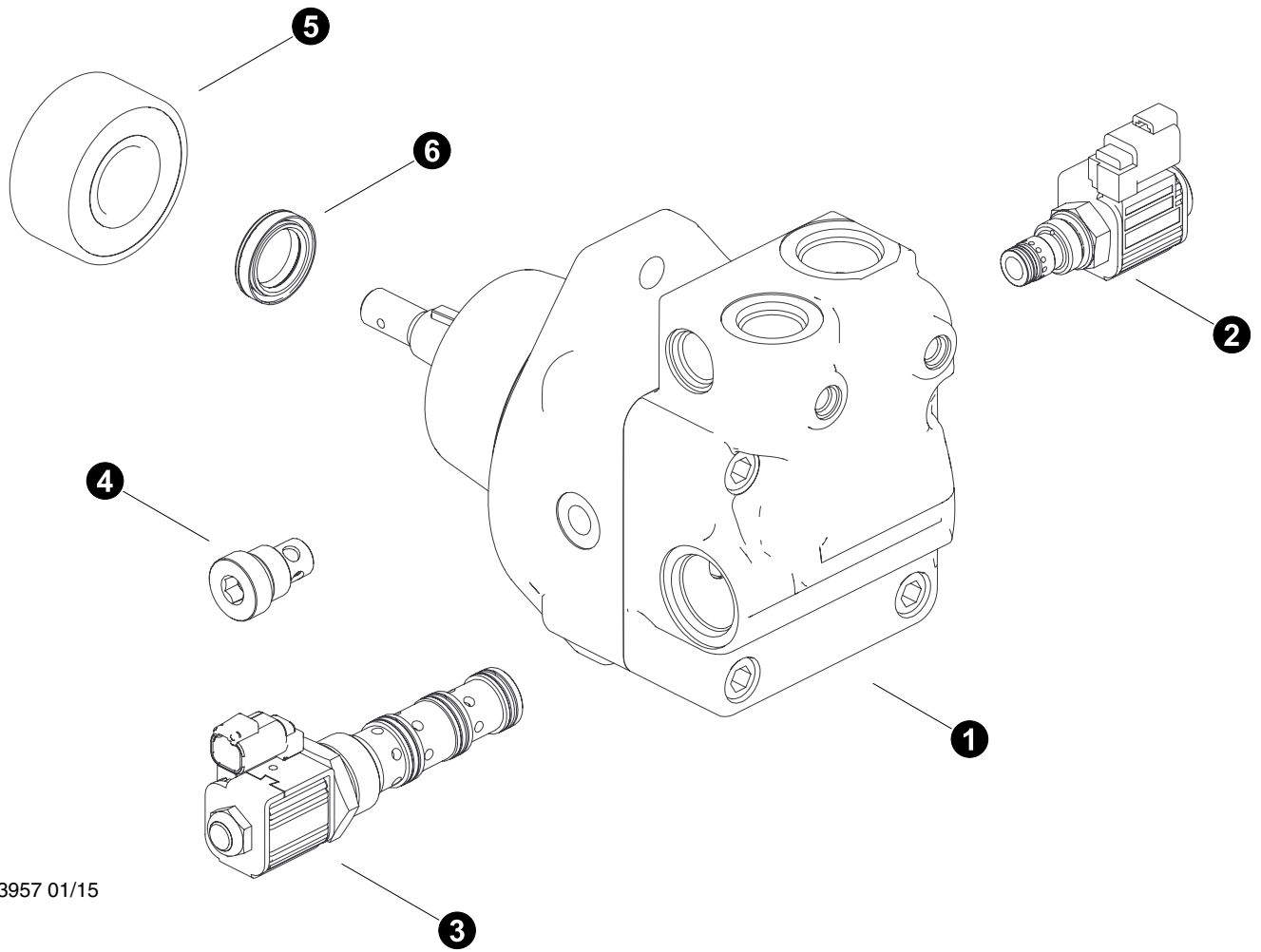
REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	55503-UP	1	<input type="checkbox"/>	RADIATOR / OIL COOLER - TIER 4F LH (AKG)	
1	3918.006.1000	1		Hyd Oil Cooler	
2	3918.006.2000	1		Radiator 1	
3	3918.006.5000	1		Charge Air Cooler	
4	3918.006.6000	1		Gearbox Oil Cooler	
5	3918.006.4010	1		Shroud	
6	3918.003.0060	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	<input type="checkbox"/> MOTOR, FAN DRIVE - RADIATOR W/FAN CONTR0	
2	57603-UP	1	ASSEMBLY, Fan Reverse Valve	
3	57604-UP	1	ASSEMBLY, Fan Control	
4	S24_94046	1	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.



# Section UP-4

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## Upper Turntable - Decals

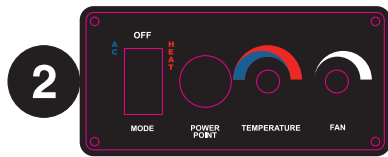
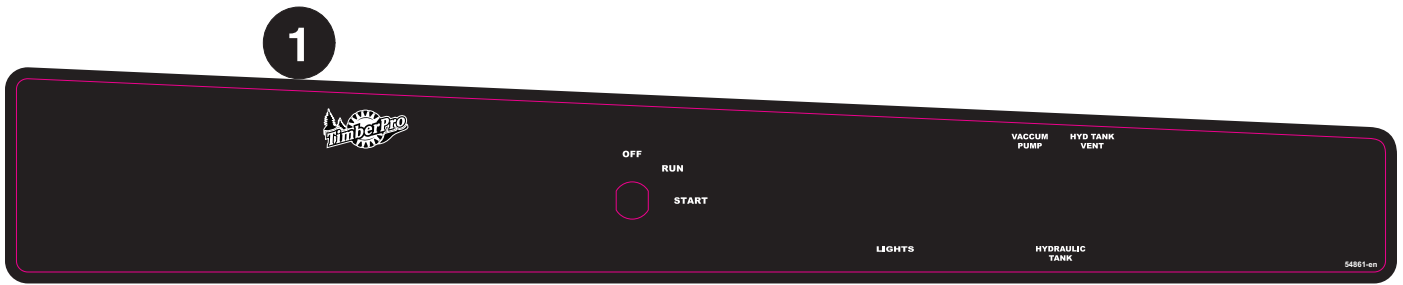


## UPPER TURNTABLE DECALS

### OUTER DECALS

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	53058EN-UP	1	<input type="checkbox"/> KIT, DECAL - Keep Clear and Logos (ENGLISH)	
	53058FR-UP	1	<input type="checkbox"/> KIT, DECAL - Keep Clear and Logos (FRENCH)	
	53058SP-UP	1	<input type="checkbox"/> KIT, DECAL - Keep Clear and Logos (SPANISH)	
	53058BR-UP	1	<input type="checkbox"/> KIT, DECAL - Keep Clear and Logos (Brazilian Portuguese)	
	53058GR-UP	1	<input type="checkbox"/> KIT, DECAL - Keep Clear and Logos (GERMAN)	
1	50695-UP	4	DECAL, TIMBERPRO LOGO - 16"	
2	50694-UP	3	DECAL, TIMBERPRO LOGO - 10"	
3	16059EN-UP	2	DECAL, KEEP CLEAR 250 FEET (ENGLISH)	
	-UP	2	DECAL, KEEP CLEAR 90 M (FRENCH)	
	-UP	2	DECAL, KEEP CLEAR 90 M (SPANISH)	
	-UP	2	DECAL, KEEP CLEAR 90 M (Brazilian Portuguese)	
	-UP	2	DECAL, KEEP CLEAR 90 M (GERMAN)	
4	55292-UP	1	DECAL, GULLWING STRIPE - C SERIES - BLACK	
-	55542-UP	1	<input type="checkbox"/> DECAL, MODEL # - TN725-C	
-	55544-UP	1	<input type="checkbox"/> DECAL, MODEL # - TN735-C	
-	55546-UP	1	<input type="checkbox"/> DECAL, MODEL # - TN745-C	
-	55541-UP	1	<input type="checkbox"/> DECAL, MODEL # - TL725-C	
-	55543-UP	1	<input type="checkbox"/> DECAL, MODEL # - TL735-C	
-	55545-UP	1	<input type="checkbox"/> DECAL, MODEL # - TL745-C	
5	-UP	1	DECAL, MODEL # LARGE	
6	-UP	2	DECAL, MODEL # SMALL	
7	51917-UP	1	DECAL, KEEP CLEAR 250 FEET - GULLWING - (ENGLISH)	
-	51917FR-UP	1	DECAL, KEEP CLEAR 250 FEET - GULLWING - (FRENCH)	
-	51917SP-UP	1	DECAL, KEEP CLEAR 250 FEET - GULLWING - (SPANISH)	
-	51917BR-UP	1	DECAL, KEEP CLEAR 250 FEET - GULLWING - (Brazilian Portuguese)	
-	51917GR-UP	1	DECAL, KEEP CLEAR 250 FEET - GULLWING - (GERMAN)	

Kit or assembly. Includes all items indented underneath.



**UPPER TURNTABLE DECALS****CAB DASH DECALS**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	54861EN-UP	1	<input type="checkbox"/>	DECAL, DASH - C MODEL (ENGLISH)	
	54861FR-UP	1	<input type="checkbox"/>	DECAL, DASH - C MODEL (FRENCH)	
	54861SP-UP	1	<input type="checkbox"/>	DECAL, DASH - C MODEL (SPANISH)	
	54861GR-UP	1	<input type="checkbox"/>	DECAL, DASH - C MODEL (GERMAN)	
	54861BR-UP	1	<input type="checkbox"/>	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.

**CAUTION**



**1**

DO NOT SPRAY WITH DIRECT BLAST OF WATER OR PRESSURE WASHER.

DAMAGE TO ELECTRICAL COMPONENTS COULD RESULT.

PN 54766

Charge Pressure Implement Pump Swing Pump L Drive Pump R Drive Pump **2**

**CAUTION**  
For proper engine ECU shutdown procedure. Please allow 2 minutes minimum before turning off master disconnect switch. **3**

**DIESEL FUEL FOR PRE-HEATER ONLY!** **4**  
PN 25959

**DANGER** **5**

MAXIMUM SUPPORTED WEIGHT OF GULLWING WORK PLATFORM NOT TO EXCEED **500 LBS (227 kg)**  
PN 52672

MAIN BOOM CYL ROD

MAIN BOOM CYL ROD

STICK CYL BASE

STICK CYL BASE

4-BAR FRONT TOP

MAIN BOOM PIN

MAIN BOOM PIN

SWING GEAR BOX BEARING

SWING GEAR

**10**

**11 NOTICE**

FOR SAFETY, PRACTICE THE FOLLOWING SAFETY MEASURES.

GENERAL SAFETY RULES

1. To operate this piece of machinery YOU MUST BE TRAINED AND QUALIFIED.
2. Study the operator's manual and check your company's regulations and safety procedures.
3. Get to know capabilities and limitations of equipment and correct operating procedures.
4. Operate equipment only when you feel physically fit and not under the influence of alcohol or drugs.
5. Keep a serviceable first aid kit in good order on the vehicle.
6. Maintain a charged fire extinguisher on the vehicle AND KNOW HOW TO USE IT.
7. Do not remove mufflers, spark arrestors, protection guards.
8. Clean out debris from high heat areas, such as engine compartment, on at least a daily basis and always after quitting operations for the day.
9. Keep floor, steps and running boards clean and free of oil, ice, mud and loose objects.
10. Inspect equipment daily for signs of failure or beginning of failure.
11. When fueling, servicing or repairing, set booms on the ground and shut down engine.
12. Controls should not be changed without written consent from the factory.

OPERATING SAFETY MEASURES

1. Check all controls and functions for correct response before beginning work cycle with equipment.
2. Use seat belt at all times when operating the machine.
3. Operate all controls from the operator's station only.
4. Whenever leaving the operator's seat, stop the engine. Set booms on the ground so they are not supported by the hydraulics.
5. Be very careful when operating on slopes. Whenever possible, travel straight up or down to minimize possibility of rollover.
6. Be aware of people around the equipment at all times. When engine is running, maintain a safe operating distance between the equipment and other personnel and follow the approved signaling practices.
7. Use recommended protective clothing and devices such as gloves, safety boots, safety hats, goggles and ear protection when necessary.
8. Carry no passengers.

PN 1902

**6**

DO NOT FULLY PUMP UP USE ONLY EXACT AMOUNT OF DEXRON III OR EQUAL FLUID WHEN FILLING RESERVOIR

ADD OIL

# 51902

**7 NOTICE**

GREASE FITTING WIPER THREADS BEFORE INSTALLATION. FAILURE TO DO SO MAY CAUSE THE FILTER CANISTER THREADS TO SEIZE.

PN 23451

**8 FIRE EXTINGUISHER LOCATED INSIDE**



**9 FIRE SUPPRESSION MANUAL OVERRIDE ACTUATOR LOCATED INSIDE THIS COVER.**



**WARNING**

**14**

FAN GUARD MUST BE BOLTED IN PLACE BEFORE OPERATING THIS UNIT. KEEP CLEAR OF ALL MOVING PARTS. SERIOUS PERSONAL INJURY COULD RESULT.

PN 15102

**CAUTION**

**15**

SECURE COVER BEFORE WORKING UNDER IT. SERIOUS PERSONAL INJURY CAN RESULT.

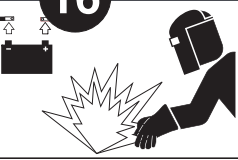
PN 50309

**17**

ON OFF MASTER ELECTRICAL DISCONNECT

Turn "OFF" when leaving machine unattended.

**16 NOTICE**



REMOVE RED POSITIVE BATTERY CABLE & BLACK NEGATIVE BATTERY CABLE BEFORE WELDING.

FAILURE TO DO SO MAY RESULT IN DAMAGE TO ELECTRICAL COMPONENTS.

PN 52481

**13 VERY IMPORTANT**

HYDRAULIC LEAK COOLERS: TURN OFF ENGINE, ACTIVATE HYDRAULIC SYSTEM, AND PUMP AND ONLY LEAVE ON UNIT. LEAK IS REMOVED. TURN START UP, TURN TO VENT FOR 60 SECONDS TO PREVENT PUMP DAMAGE.

**12**



MADE IN U.S.A.

**18 NOTICE**

ALWAYS REPLACE FUSE WITH THE ONE THAT SPECIFIED. THIS MACHINE IS EQUIPPED WITH A 24 VDC ELECTRICAL SYSTEM.

PN 51226

**19**



TimberPro Inc. 1407 Industrial Dr. Shawano WI 54186 715-524-0299 www.timberpro.com  
US Pat. D523029 US Pat. Pending 11706434 US Pat. Pending 12741115 PN 52007

**22 NOTICE**

THIS AIR CLEANER IS EQUIPT WITH A DROP VACUATOR VALVE.

PLEASE CLEAN DAILY



**23 NOTICE**

GEARBOX DIPSTICK IS LOCATED ON THE FRONT OF DRIVE GEARBOX.

PLEASE CHECK DAILY



(Factory filled with SAE 75W-90 Synthetic)

**20**

COOLANT PRE-HEATER

THIS MACHINE IS EQUIPPED WITH A 24VDC ELECTRICAL SYSTEM. ALWAYS REPLACE FUSE WITH THE ONE THAT IS SPECIFIED.

**NOTICE**

100 AMP CAB ELEC CENTER

100 AMP CUMMINS HEAT GRID

100 AMP DOOR LIFT PUMP

ENGINE COMPUTER

HORN

LIGHTS

LIGHTS

LIGHTS

LIGHTS

LIGHTS

LIGHTS

LIGHTS

LIGHT RELAY 1

LIGHT RELAY 2

30

30

50

50

FILL PUMP


ENGINE STARTER

STARTER RELAY

CUMMINS GRID HEATER RELAY

PN 53006

**21 WARNING**




ALL GUARDS MUST BE BOLTED IN PLACE BEFORE OPERATING THIS UNIT. KEEP CLEAR OF ALL MOVING PARTS. SERIOUS PERSONAL INJURY COULD RESULT.

PN 53008

**24**



**25 CAUTION**



THE HYDRAULIC TANK IS UNDER PRESSURE.

13 psi (1 bar)

VENT TANK BEFORE PERFORMING MAINTENANCE. SEE MANUAL FOR MORE INFORMATION.

PN 11027

**26**

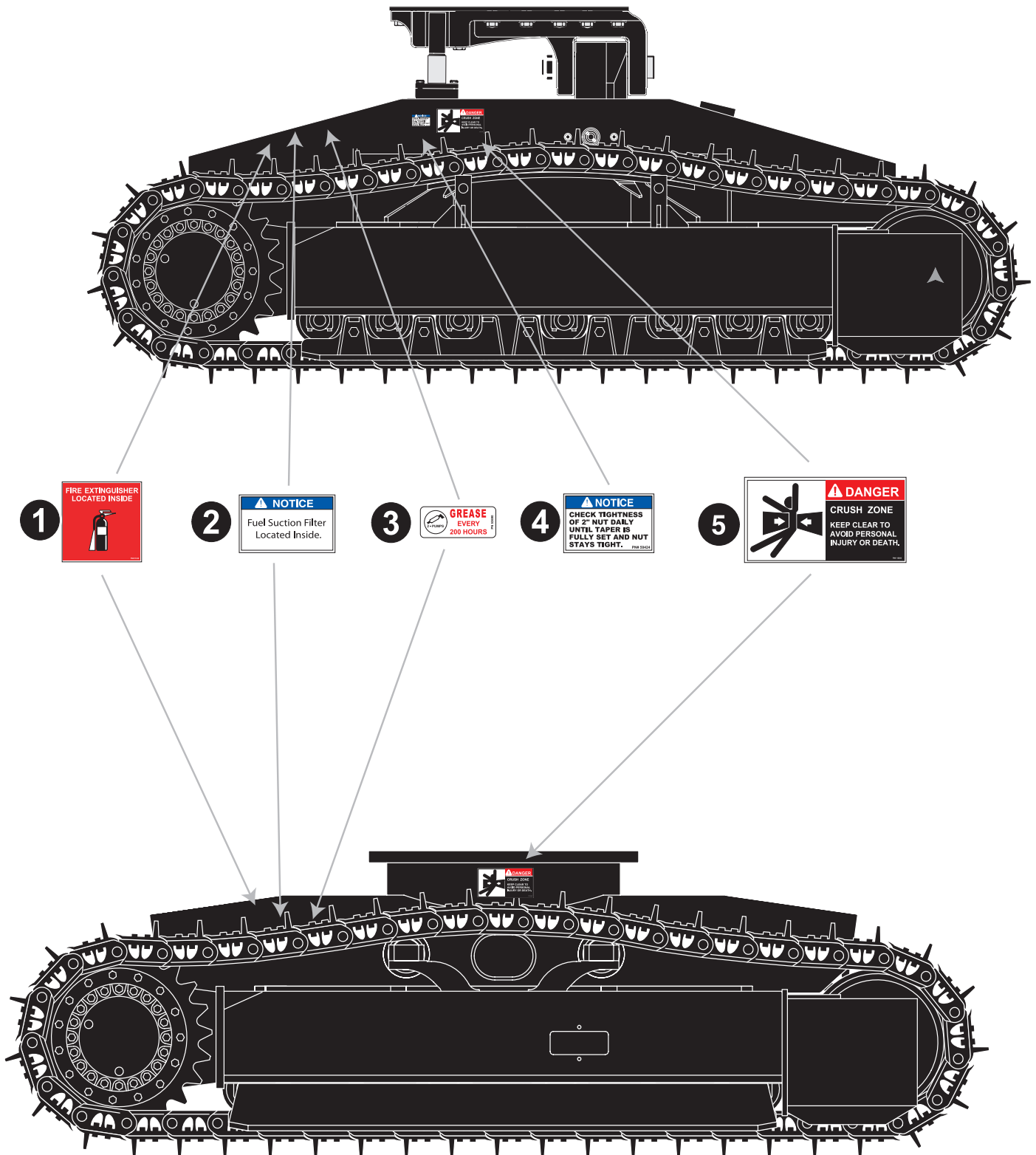
**EMERGENCY ESCAPE**

## UPPER TURNTABLE DECALS

### WARNING - INFO - CAUTION DECALS

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	55493EN-UP	1	<input type="checkbox"/> KIT, DECAL - "C" SERIES Outside (ENGLISH)	
-	55493FR-UP	1	<input type="checkbox"/> KIT, DECAL - "C" SERIES Outside (FRENCH)	
-	55493SP-UP	1	<input type="checkbox"/> KIT, DECAL - "C" SERIES Outside (SPANISH)	
-	55493GR-UP	1	<input type="checkbox"/> KIT, DECAL - "C" SERIES Outside (GERMAN)	
-	55493BR-UP	1	<input type="checkbox"/> 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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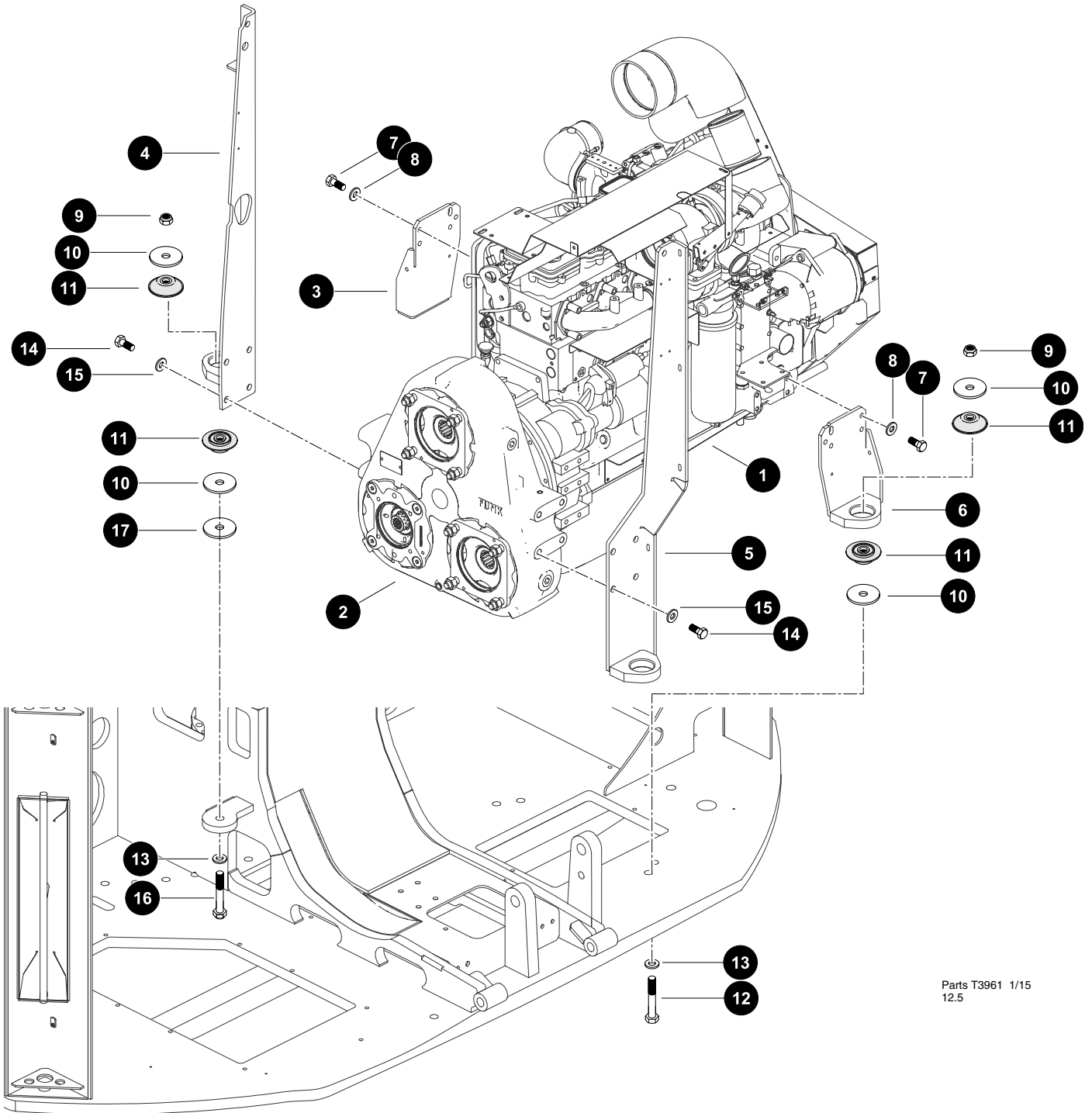


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# ***Section EE-1***

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## ***Cummins QSC Engine - Installation and Parts***

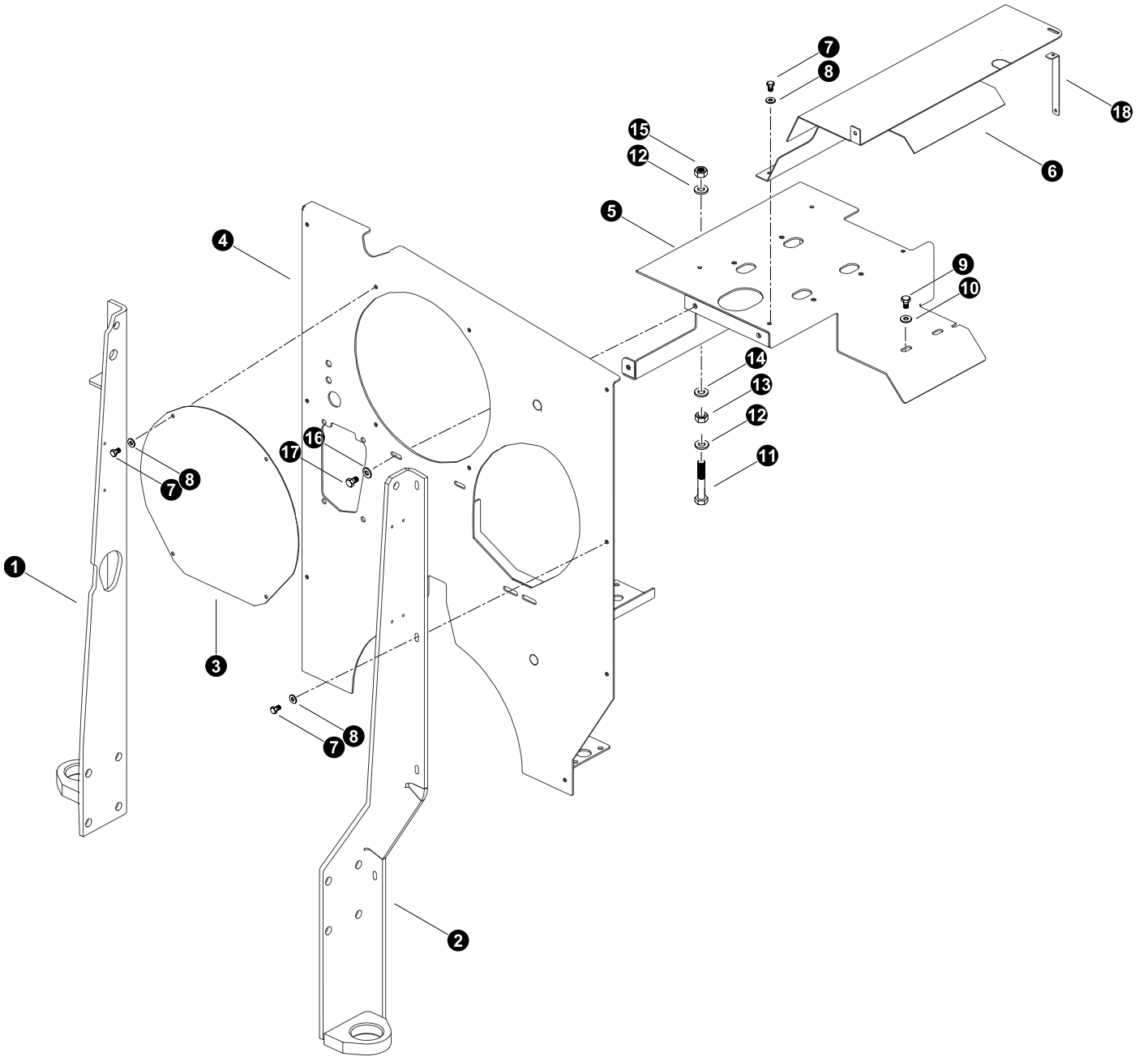


Parts T3961 1/15  
12.5

## ENGINE INSTALLATION Cummins QSC 8.3L

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	54251-EE	1	ENGINE, CUMMINS - 300HP (TIER 3 TPEM)	
2	REF	1	PUMP DRIVE TRANSMISSION .....	EE-4
3	46058-EE	1	MOUNT, ENGINE C-SERIES CUMMINS TIER 3	
4	46062-EE	1	MOUNT, ENGINE REAR LH CUMMINS TIER 3	
5	46795-EE	1	MOUNT, GEARBOX - OUTER (C SERIES)	
6	46058-EE	1	MOUNT, ENGINE C-SERIES CUMMINS TIER 3	
7	15551-EE	4	BOLT - 12mm-1.75P x 40mm ( <b>Torque to 92 ft.lbs. (122 Nm)</b> )	
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.

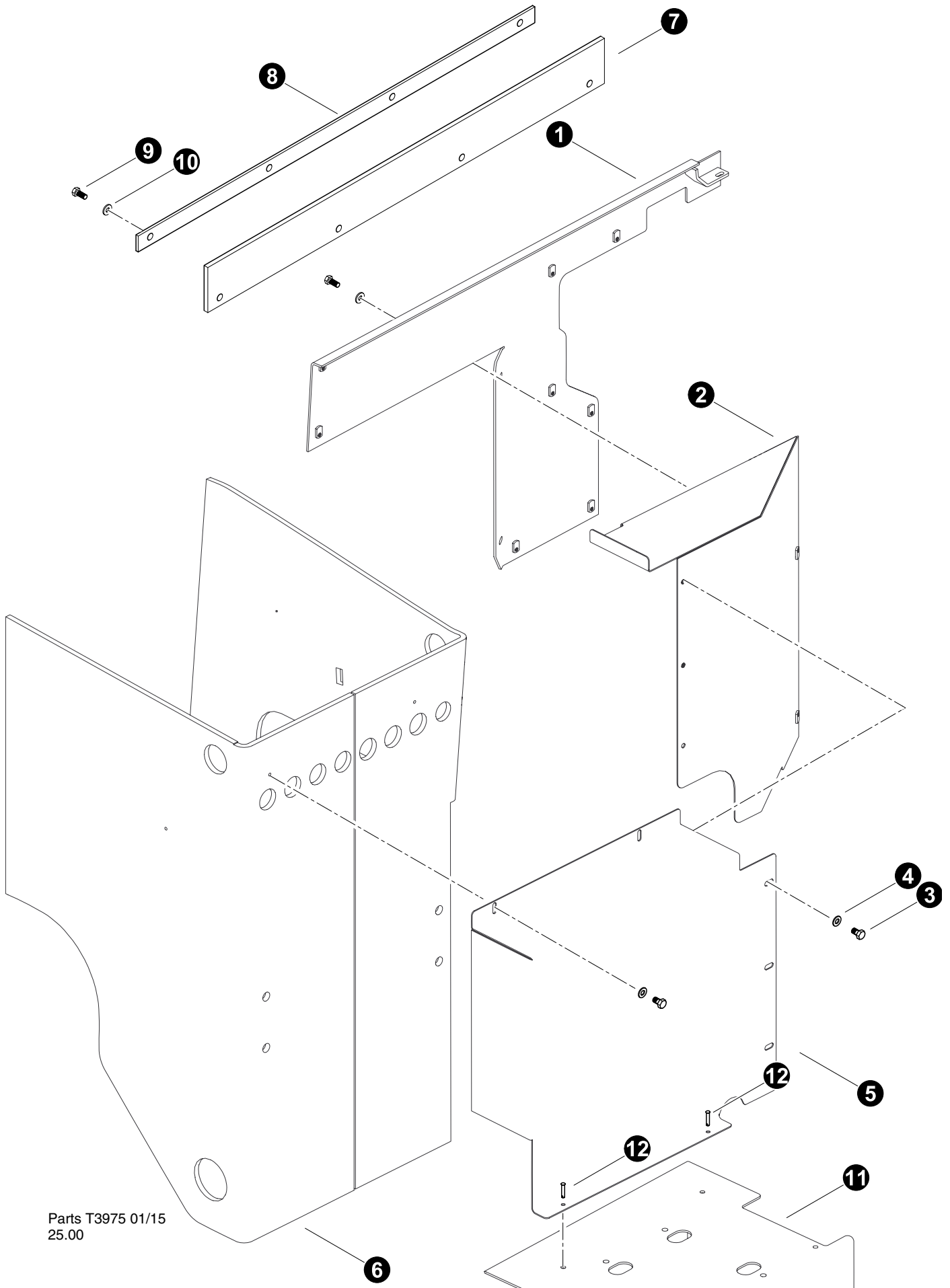


Parts T3962 1/15  
25.00

**BARRIER PANELS - REAR****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	46196-EE	1	MOUNT, AIR CLEANER ASSY CUMMINS TIER 3	
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	

Kit or Assembly - includes all items indented underneath.

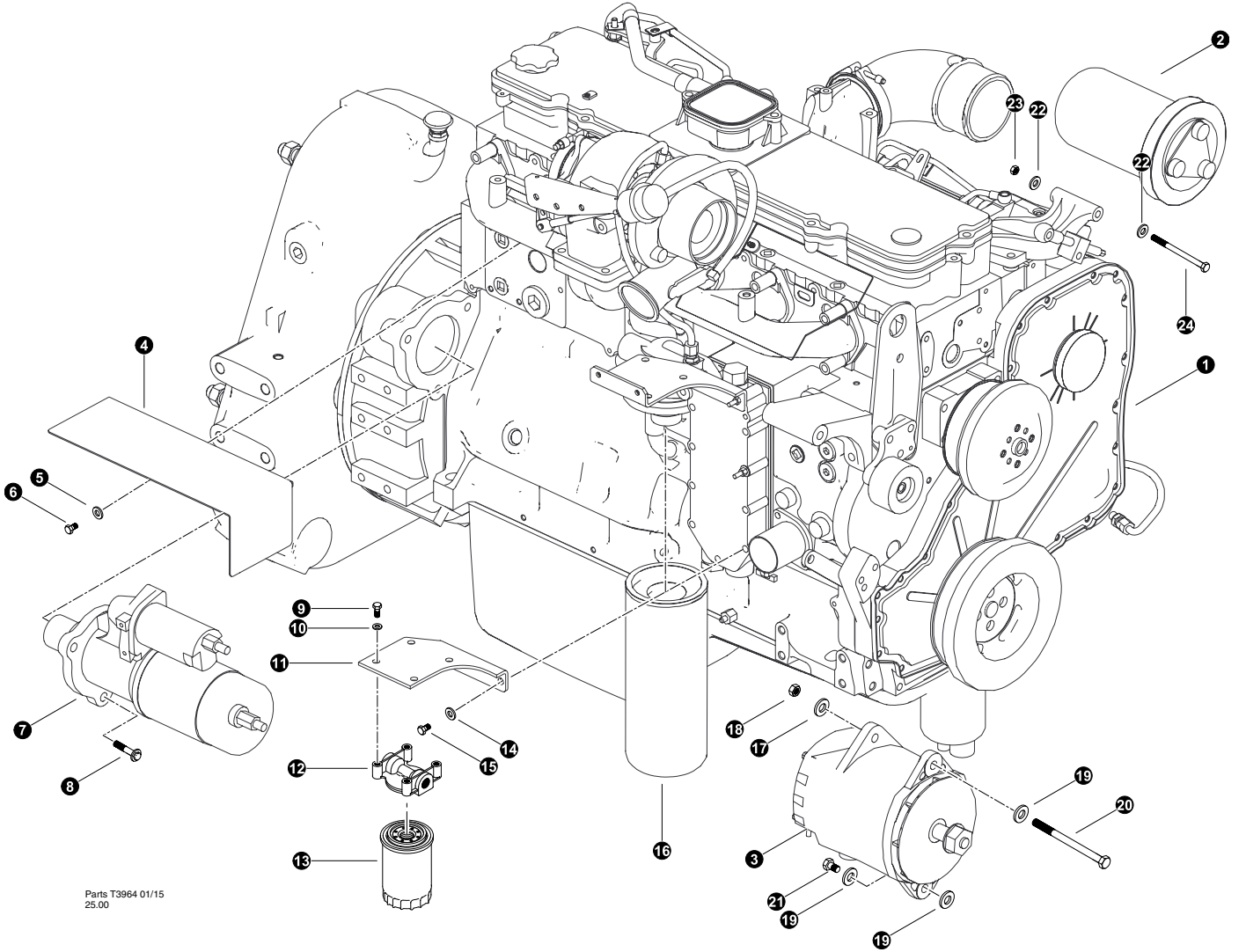


Parts T3975 01/15  
25.00

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

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	46485-EE	1	WELDMENT, ENG BARRIER - VALVE COVER	
2	46325-EE	1	BARRIER, ENGINE 3 - C MODEL	
3	15604-EE	7	BOLT - .25" X .75"	
4	10757-EE	7	WASHER, SAE FLAT - .25"	
5	46322-EE	1	BARRIER, ENGINE 2 - C MODEL	
6	REF	1	UPPER TURNTABLE WELDMENT.....	UP-1
7	47202-EE	1	RUBBER, COOLER SIDE - INNER (C SERIES)	
8	53052-EE	1	BAR, RETAINER 1/8x1x31.7	
9	15604-EE	4	BOLT - .25" X .75"	
10	10757-EE	4	WASHER, SAE FLAT - .25"	
11	REF	1	MOUNT, AIR CLEANER ASSY CUMMINS TIER 3.....	EE-1
12	46322-EE	2	CLEVIS - 1/4" x .88"	

- Kit or Assembly - includes all items indented underneath.



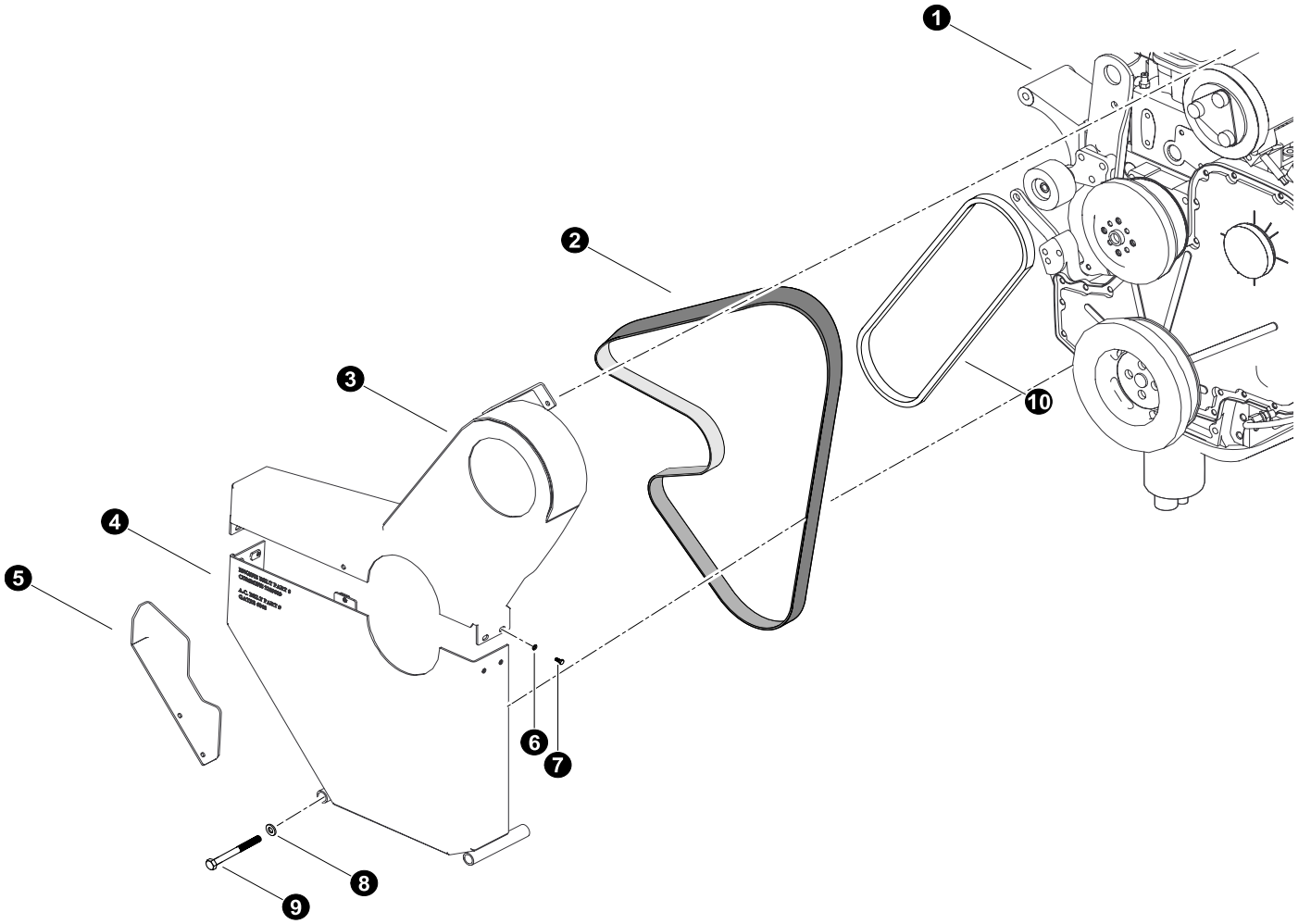
Parts T3964 01/15  
25.00

## 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

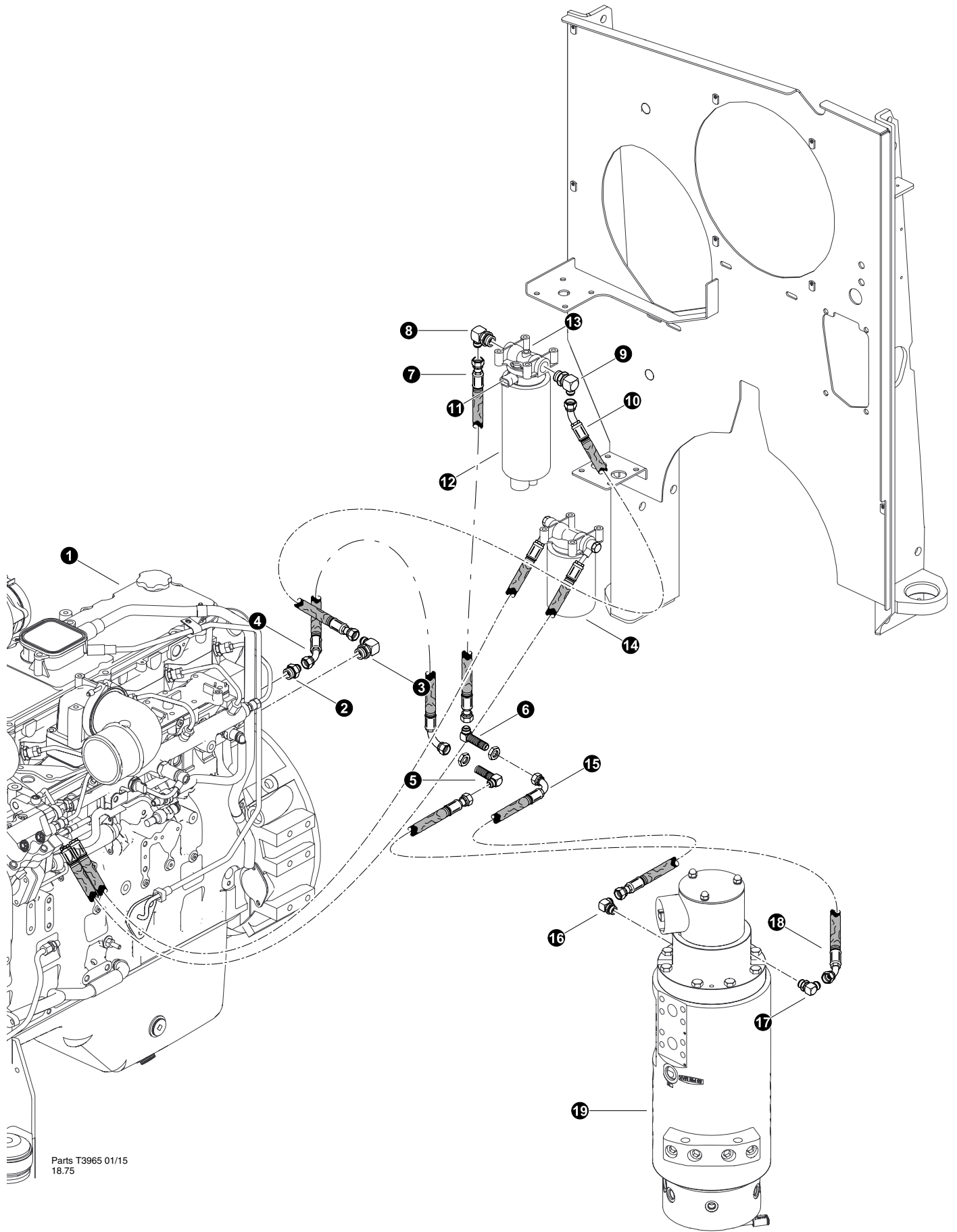
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		ENGINE - Cummins QSC8.3-C	
2	3289809	1		BELT, Cummins QSC8.3- C Model	
-	46268-EE	1		SHROUD, RADIATOR FAN DRIVE ENGINE	
3	46272-EE	1		SHROUD, TOP	
4	46275-EE	1		SHROUD, Bottom	
5	46288-EE	1		SHROUD, Side	
6	10757-EE	4		WASHER, SAE FLAT - .25"	
7	15604-EE	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 PowerRated 6848	



See referenced page for component or assembly breakdown.




Kit or Assembly - includes all items indented underneath.

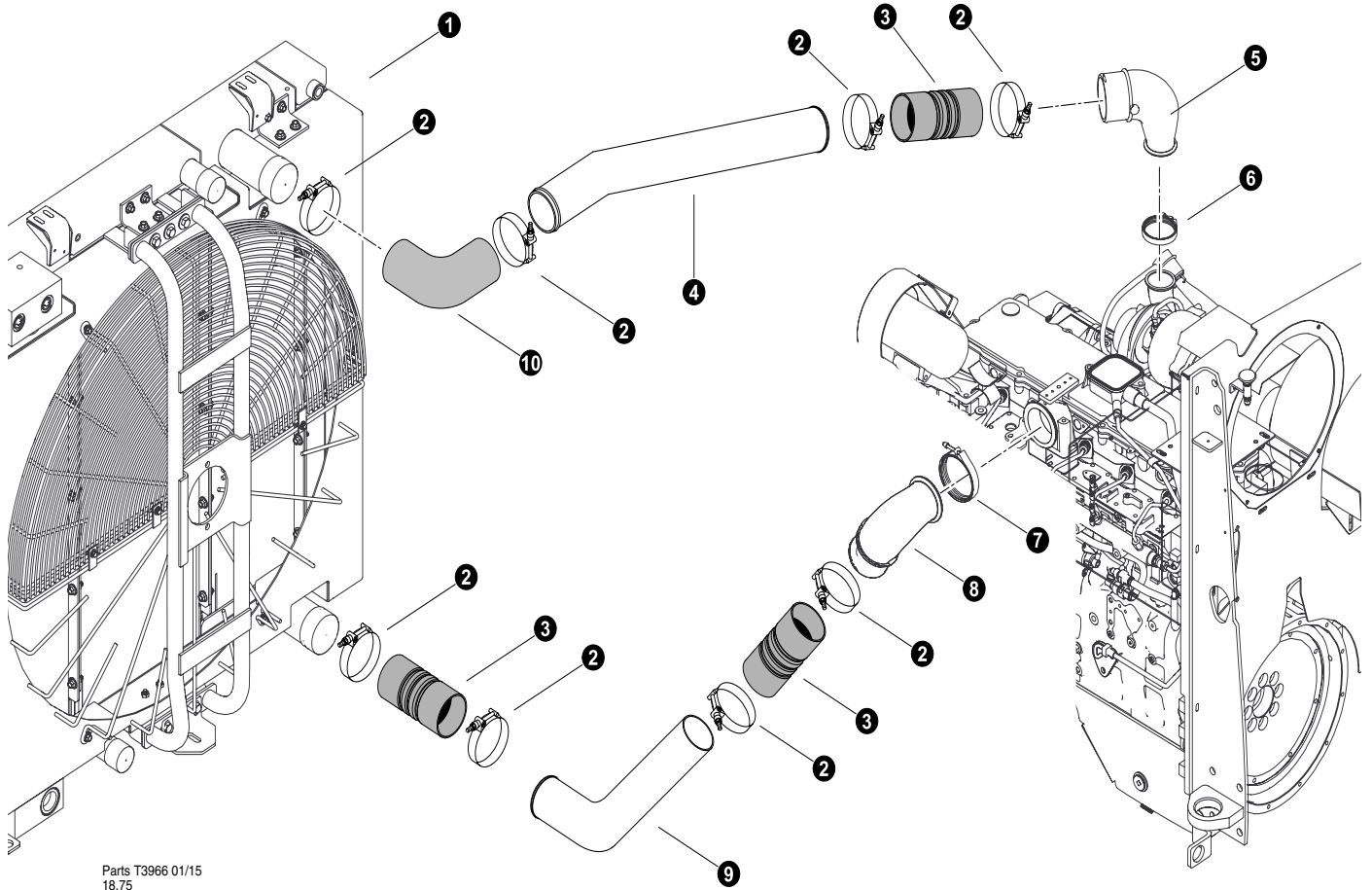


Parts T3965 01/15  
18.75

## 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.

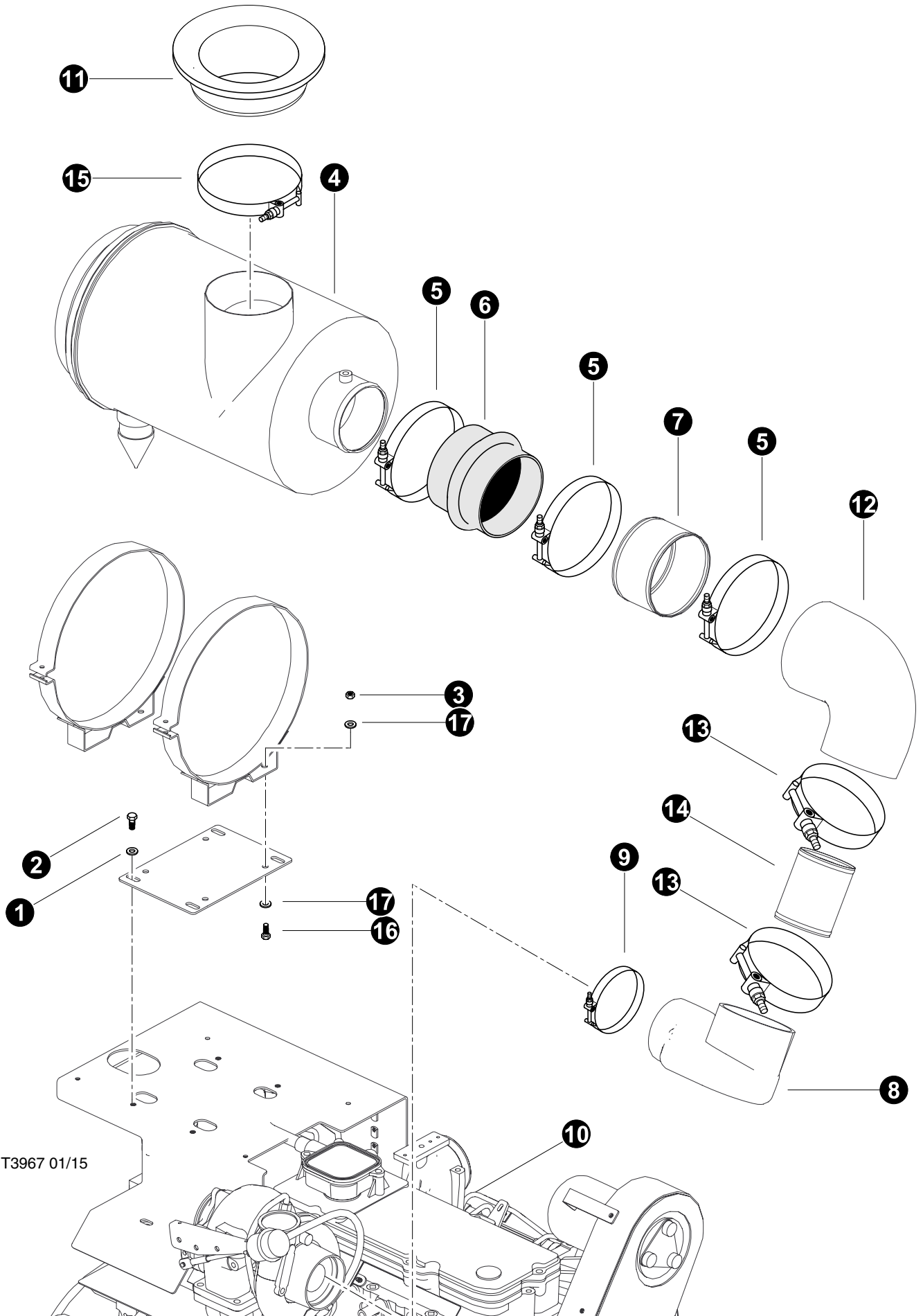


Parts T3966 01/15  
18.75

## CHARGE AIR (Air To Air Connections Tier 3 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	46222-EE	1	TUBE, AIR TO AIR (UPPER) C-SEREIS	
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	46228-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.



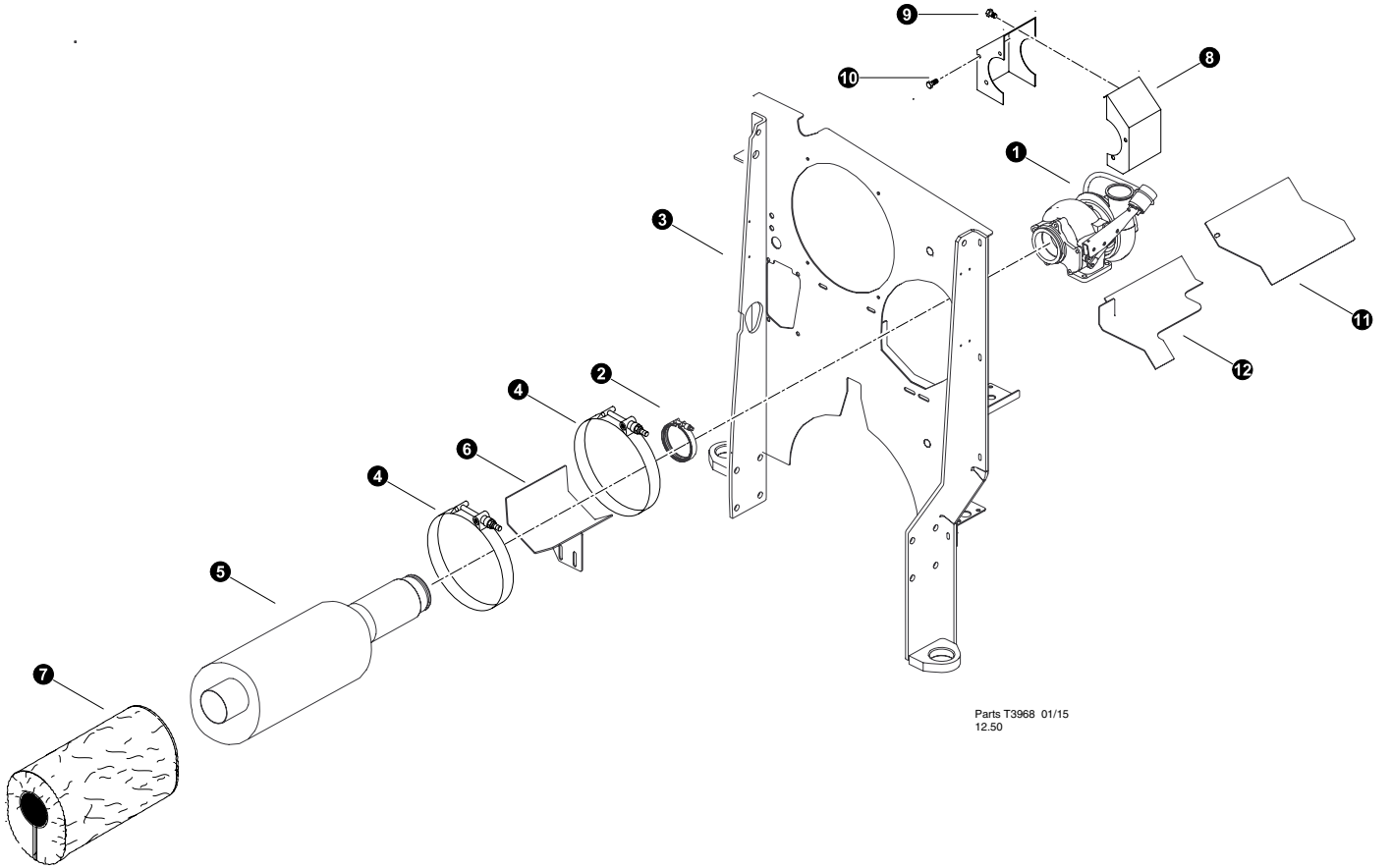
Parts T3967 01/15  
12.5

## AIR CLEANER INSTALLATION

### (Tier 3 engine)



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	52147-EE	1	FLANGE, RUBBER SEAL - AIR CLEANER	
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	53749-EE	1	CLAMP, HOSE - WORM STYLE - AIR CLEANER	


 See referenced page for component or assembly breakdown.

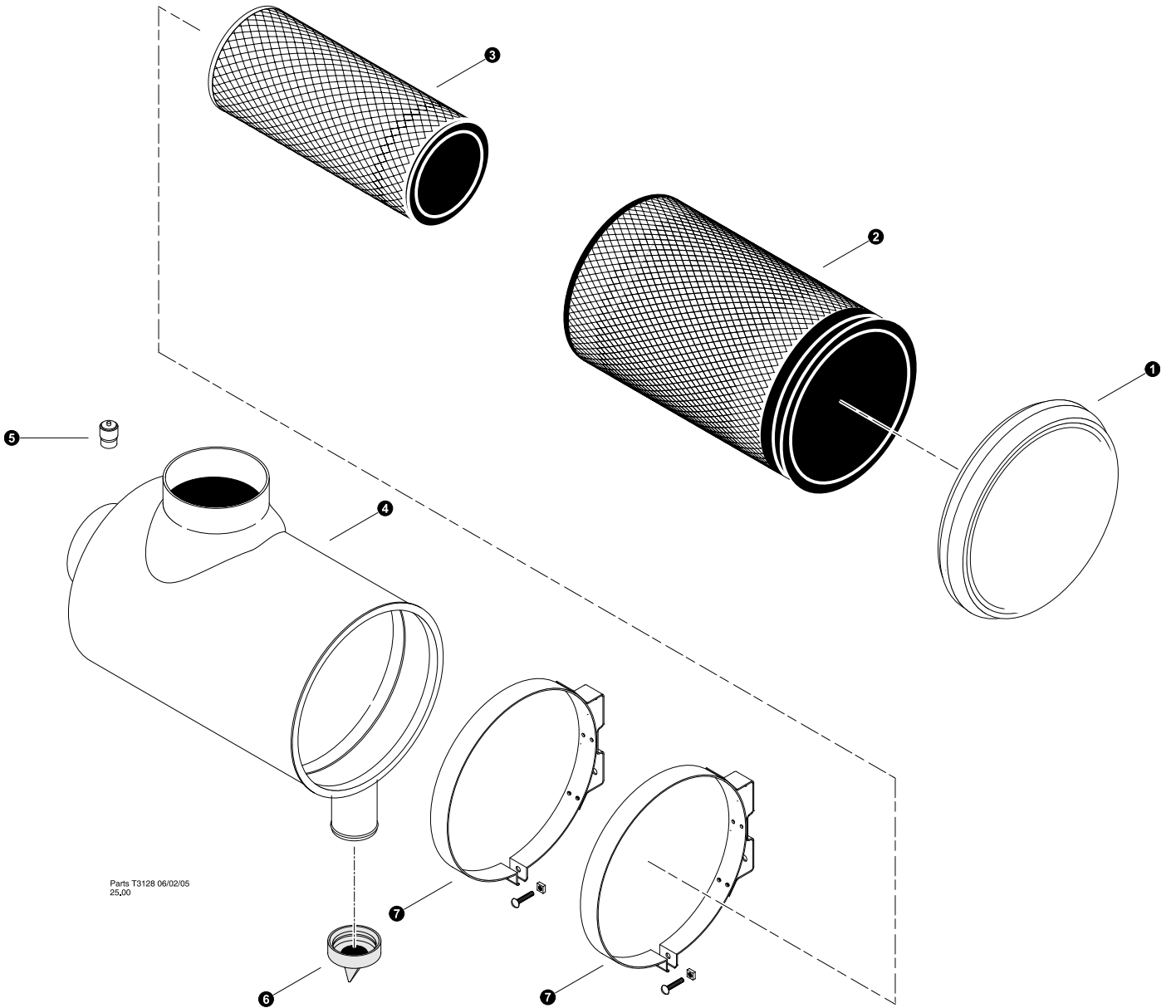


Parts T3968 01/15  
12.50

## 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	<input type="checkbox"/>	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	<input type="checkbox"/>	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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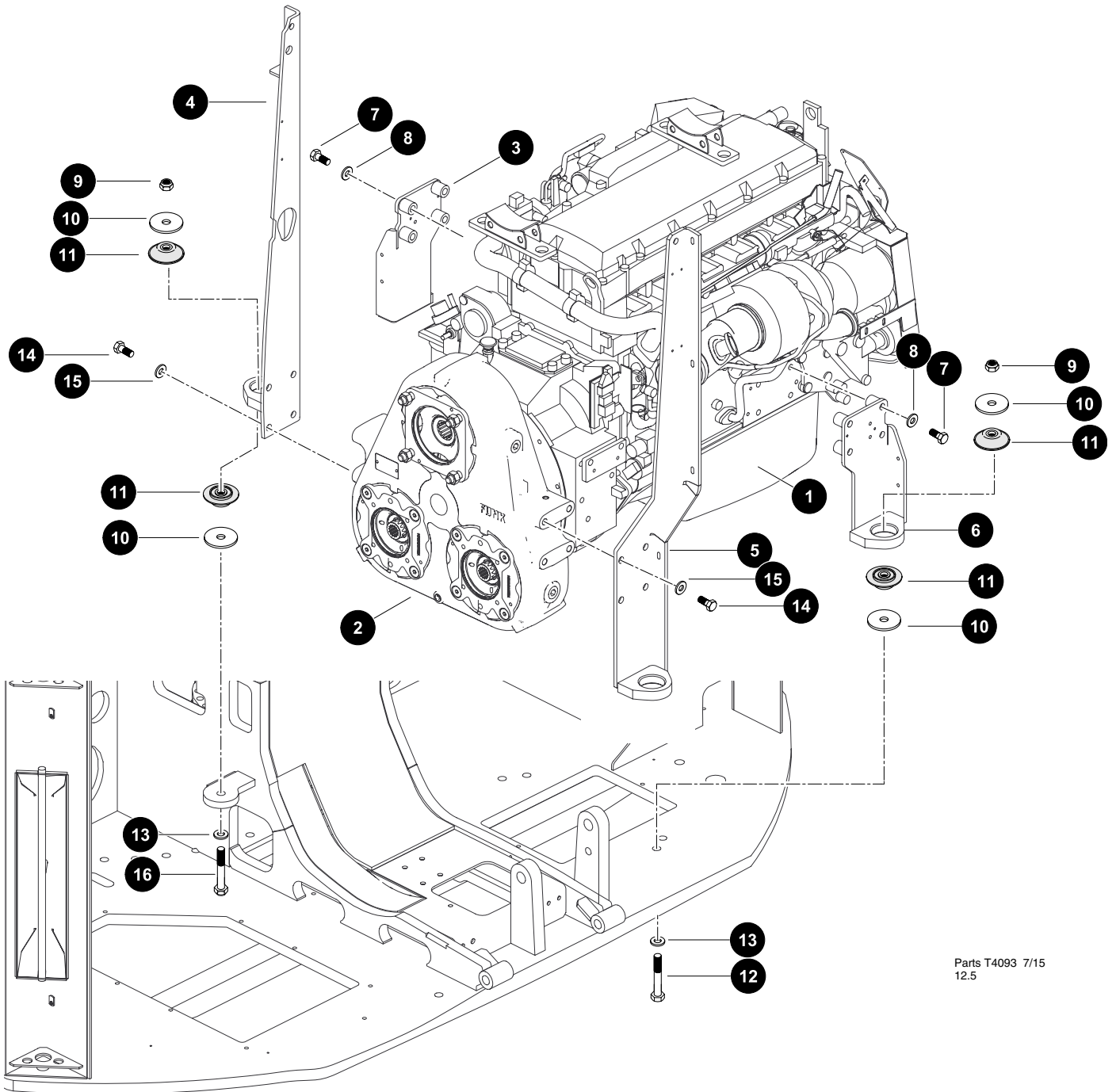
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## ***Section EE-2***

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### ***Volvo Tier 4 Engine - Installation and Parts***

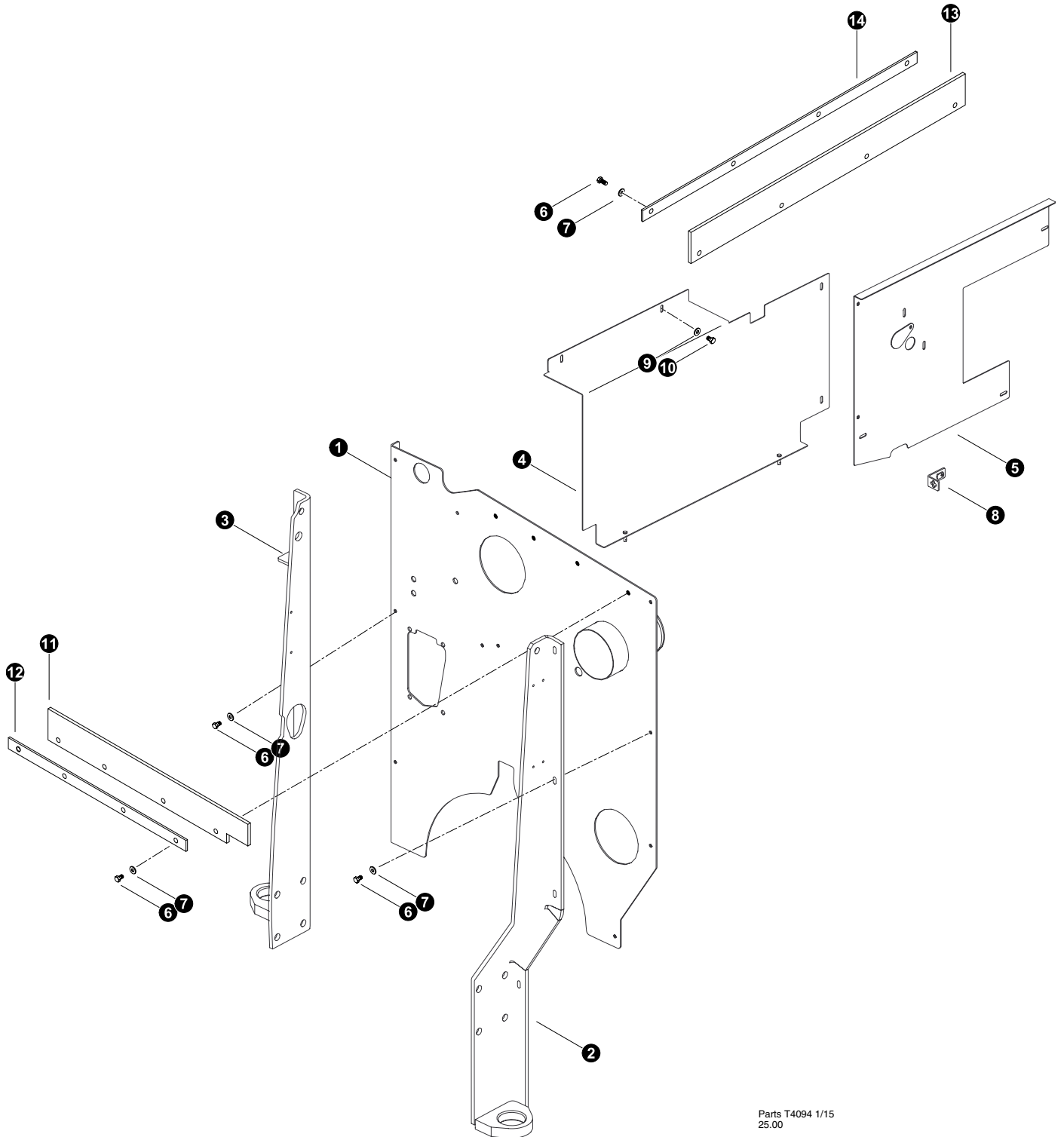


Parts T4093 7/15  
12.5

## ENGINE INSTALLATION Volvo Tier 4

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	55396-EE	1	ENGINE, VOLVO - TAD 873 VE TIER 4F	
2	REF	1	PUMP DRIVE TRANSMISSION .....	EE-4
3	46423-EE	1	MOUNT, ENGINE C-SERIES CUMMINS TIER 3	
4	46062-EE	1	MOUNT, ENGINE REAR LH	
5	46061-EE	1	MOUNT, ENGINE REAR RH	
6	46423-EE	1	MOUNT, ENGINE - VOLVO TIER 4F	
7	19929-EE	4	BOLT - 16MM-2.0P X 70MM (Torque to 150 ft.lbs. (200 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 6"	
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"	

- Kit or Assembly - includes all items indented underneath.

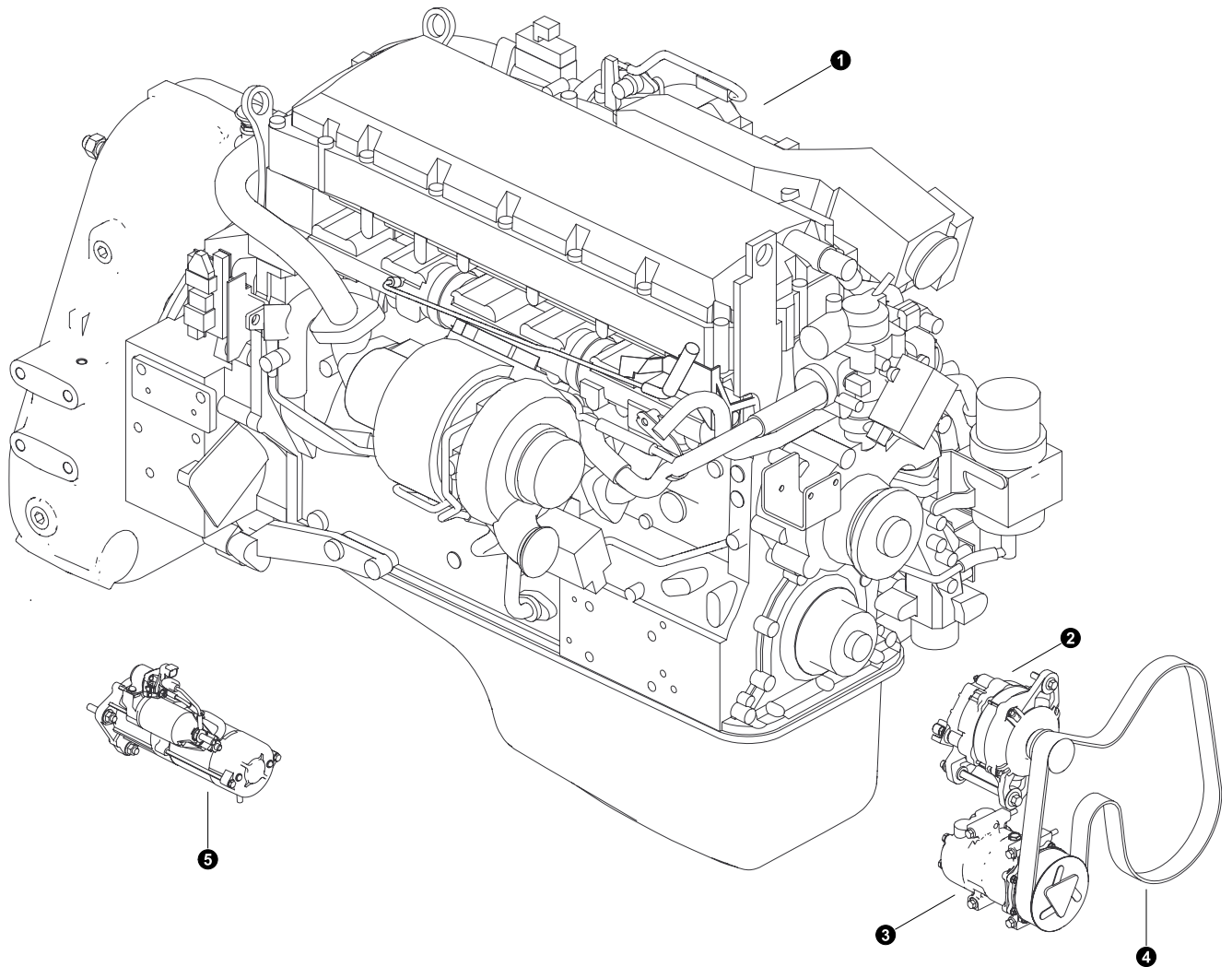


Parts T4094 1/15  
25.00

**BARRIER PANELS - REAR****Volvo Tier 4**


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	46877-EE	1	BARRIER, ENGINE - VOLVO	
2	REF	1	REAR ENGINE MOUNT .....	EE-1
3	REF	1	REAR ENGINE MOUNT .....	EE-1
4	46944-EE	1	SHIELD, HOSES - VOLVO	
5	46950-EE	1	ASSY, ENGINE BARRIER SHIELD MTG - VOLVO	
6	15604-EE	7	BOLT - .25" X .75"	
7	10757-EE	7	WASHER, SAE FLAT - .25"	
8	46946-EE	1	BRACKET, SHIELD MTG - VOLVO	
9	10757-EE	7	WASHER, SAE FLAT - .25"	
10	15604-EE	7	BOLT - .25" X .75"	
11	47206-EE	1	RUBBER, ENGINE BARRIER PANEL	
12	53051-EE	1	BAR, RETAINER 1/8x1x12	
13	47202-EE	1	RUBBER, COOLER SIDE - INNER (C SERIES)	
14	53052-EE	1	BAR, RETAINER 1/8x1x31.75	


Kit or Assembly - includes all items indented underneath.

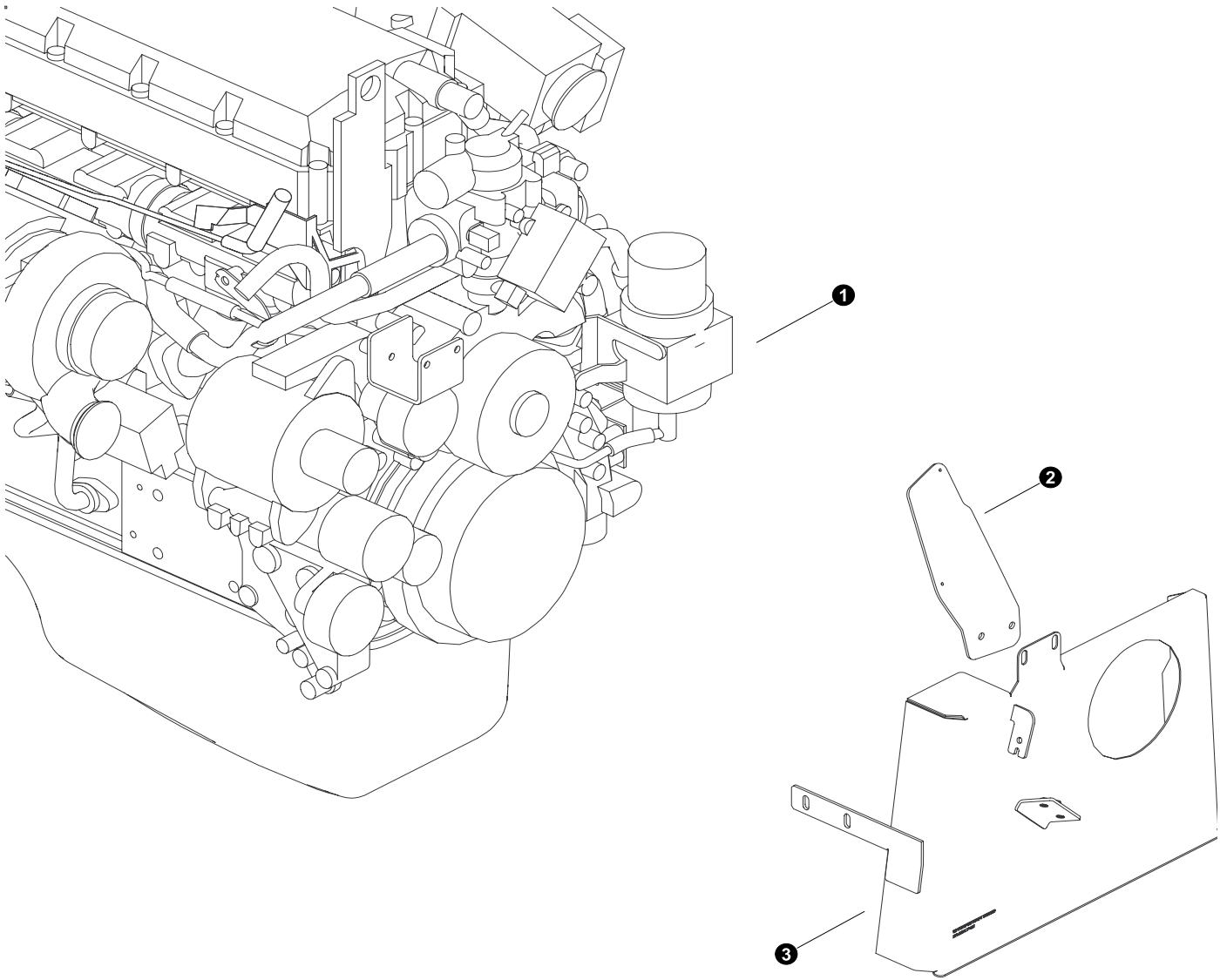


Parts T4095 07/15  
25.00

## Starter, Alternator, Compressor and Filters


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ENGINE, VOLVO Tier4 .....	EE-2
2	21922756	1	ALTERNATOR, 130 amp	
3	-EE	1	COMPRESSOR, A/C - C MODEL	
4	54739-EE	1	BELT, A/C DRIVE - VOLVO 722 ENGINE	
5	21774085	1	STARTER, Volvo Tier4	


 See referenced page for component or assembly breakdown.



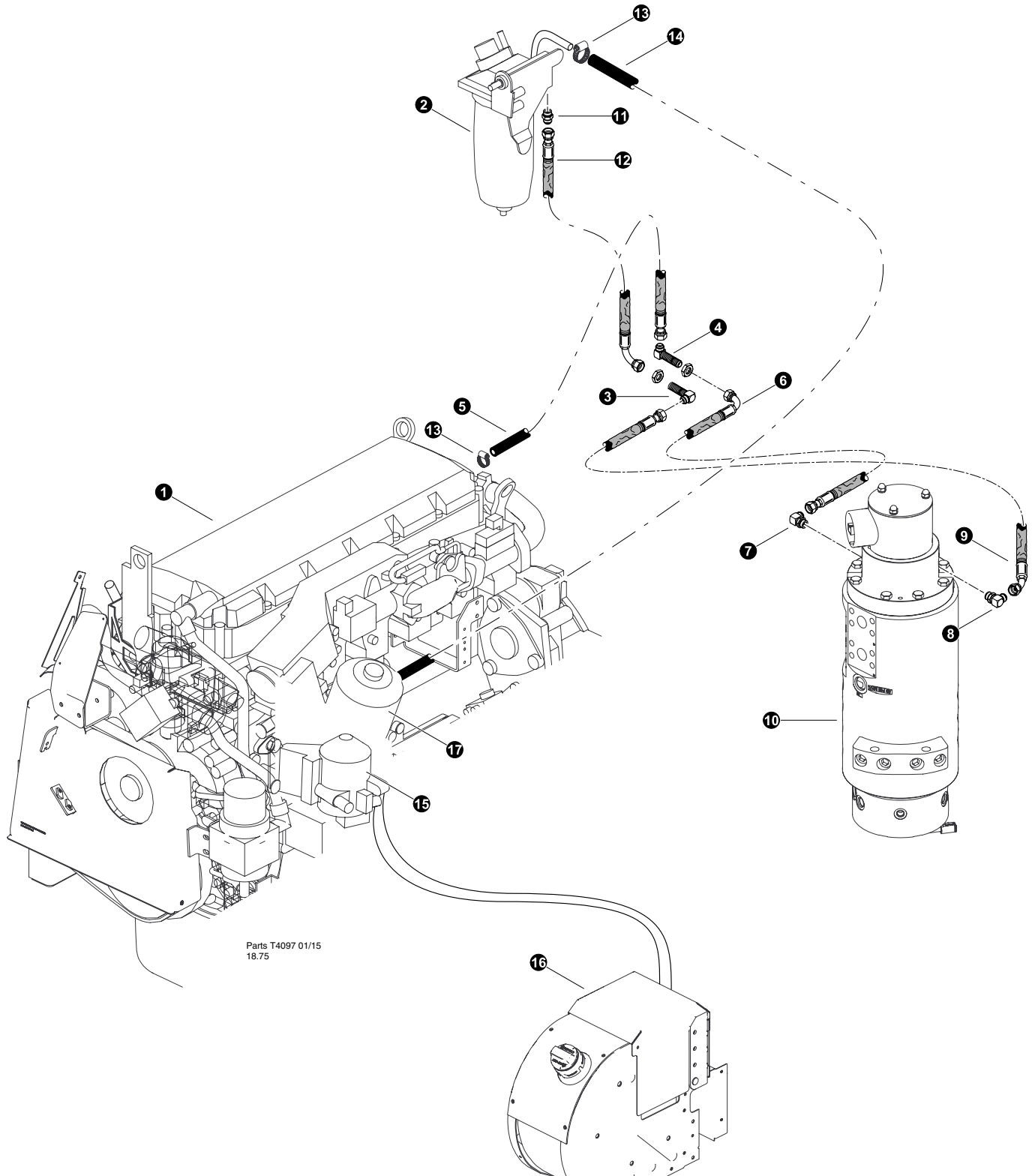
Parts T4096 07/15  
25.00

## FAN SHROUDS

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ENGINE, VOLVO Tier4 .....	EE-2
2	46982-EE	1	PLATE, SENSOR MODULE MOUNT - VOLVO	
3	46704-EE	1	SHROUD, FAN - VOLVO	


 See referenced page for component or assembly breakdown.

 Kit or Assembly - includes all items indented underneath.

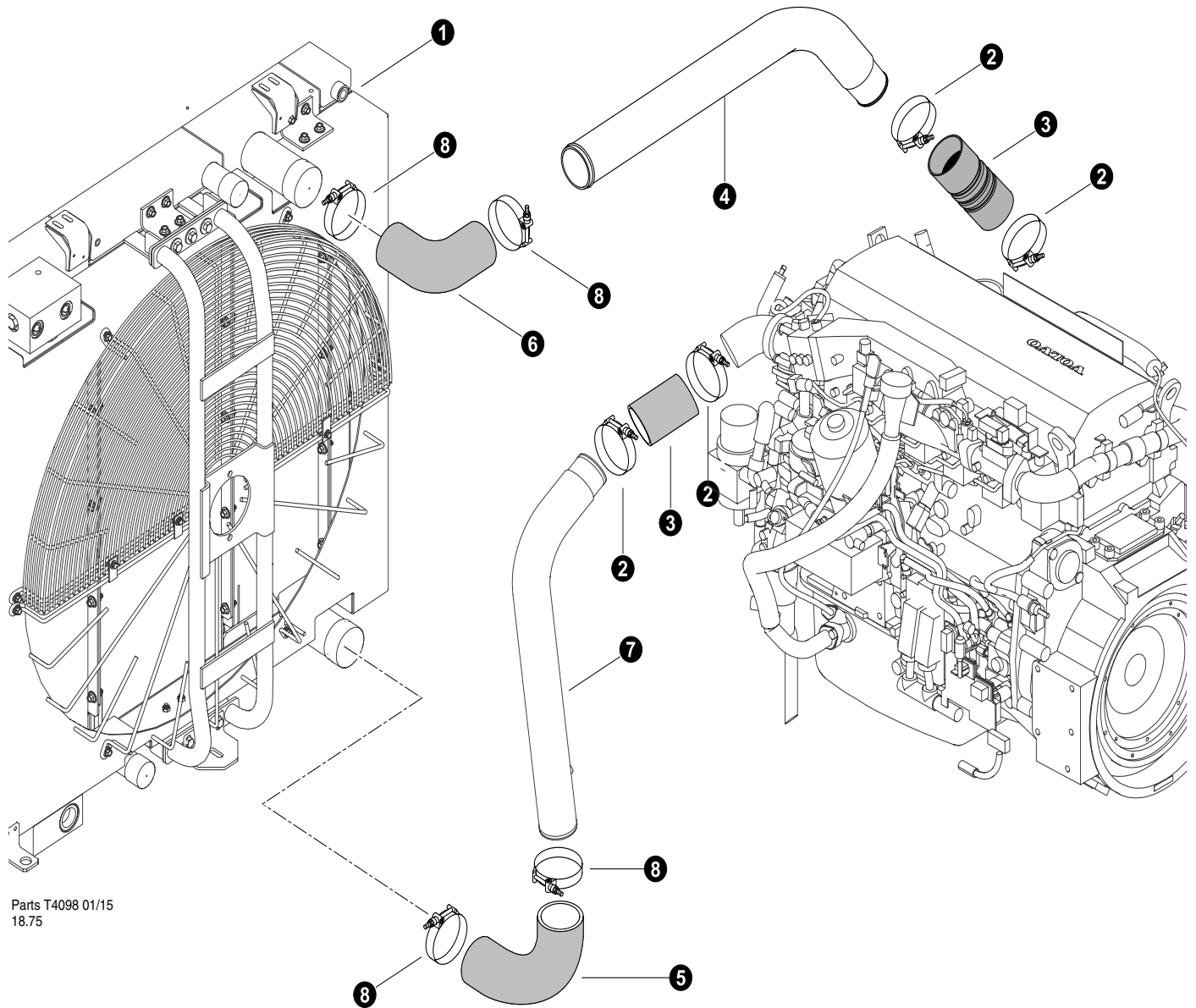


Parts T4097 01/15  
18.75

## FUEL LINES, and Filters


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ENGINE, VOLVO Tier4 .....	EE-2
2	57225-EE	1	FILTER, Spin on Volvo	
3	55347-EE	1	FITTING, ELBOW - BULKHEAD 6 WETX-WLN-S	
4	55347-EE	1	FITTING, ELBOW - BULKHEAD 6 WETX-WLN-S	
5	-EE	1	HOSE ASSEMBLY - 2038-06-0600-06J9-W ( <i>Engine Return to Bulkhead</i> )	
6	-EE	1	HOSE ASSEMBLY - 2081-06-06JS-06J9-W ( <i>rotary manifold port FR to Bulkhead</i> )	
7	15480-EE	1	ELBOW, 90 - 6801-6	
8	15480-EE	1	ELBOW, 90 - 6801-6	
9	-EE	1	HOSE ASSEMBLY - 2081-06-06JS-06J4-W ( <i>rotary manifold port FS to Bulkhead</i> )	
10	REF	1	ROTARY MANIFOLD. ....	UP-1
11	55204-EE	1	FITTING, STRAIGHT - 6 FTX-S	
12	-EE	1	HOSE ASSEMBLY - 2027-06-06JS-06J9-W ( <i>Filter Supply to Bulkhead</i> )	
13	10759-EE	1	CLAMP, HOSE - WORM STYLE - .875"	
14	25124-EE	36	HOSE, FUEL LINE (BULK ROLL) - .375"	
15	57229-EE	1	FUEL FILTER	
16	46740-EE	1	TANK, UREA - C SERIES	
17	21913334	1	FILTER, Oil Kit Volvo Tier4	

 See referenced page for component or assembly breakdown.



Parts T4098 01/15  
18.75

## CHARGE AIR (Air To Air Connections Tier 4 Volvo)

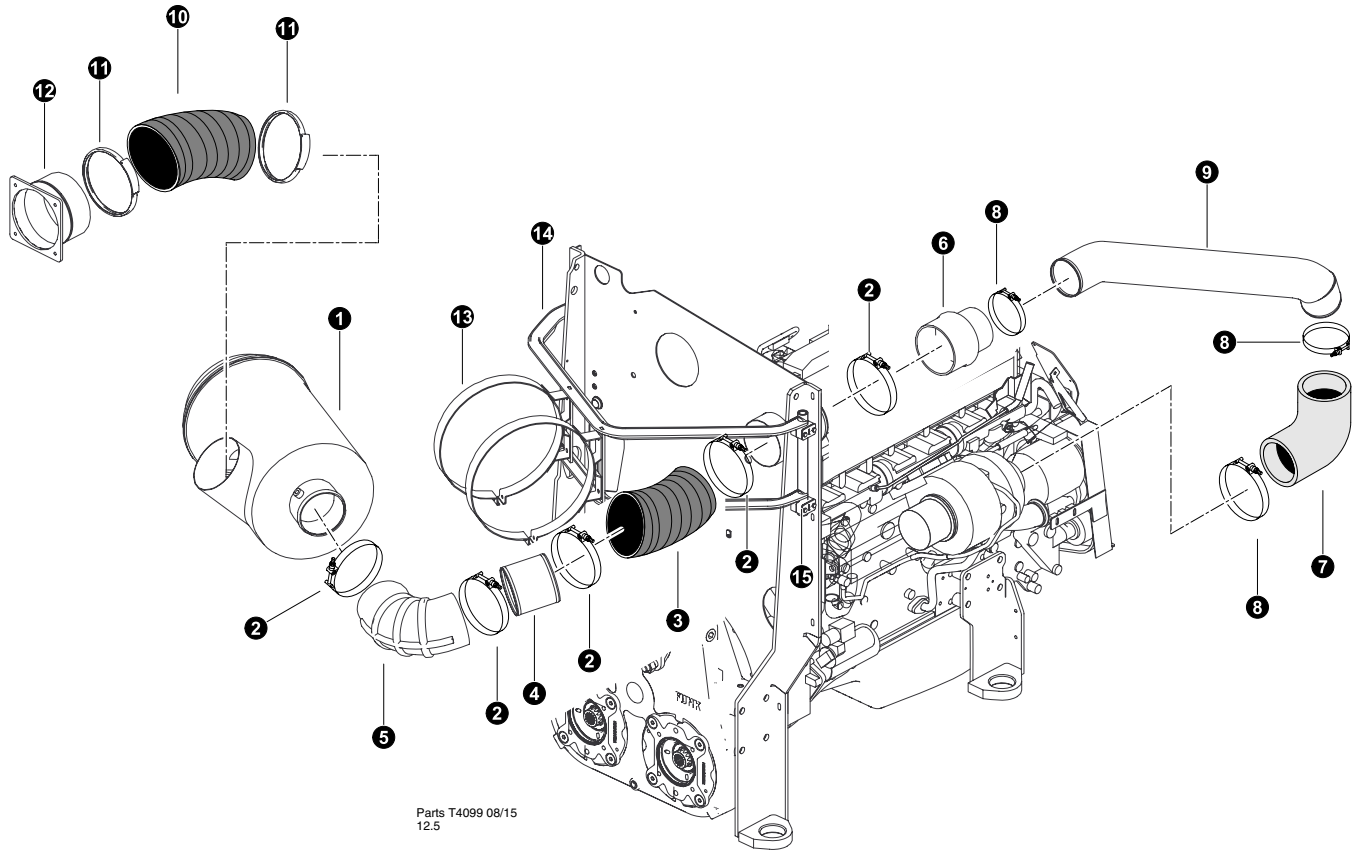
REF	PART #	QTY	DESCRIPTI ON	SEE SECTION
1	REF.	1	 RADIATOR / AIR COOLER ASSEMBLY .....	EE-3
2	55384-EE	6	CLAMP, STRAP BAND - 3.25"	
3	55599-EE	4	HOSE, HUMP - 3" x 6" - VOLVO C SERIES	
4	46665-EE	1	TUBE, AIR TO AIR (UPPER) VOLVO	
5	52753-EE	1	ELBOW, 90 - 3.5" X 6" SILICONE C-SERIES	
6	52753-EE	1	ELBOW, 90 - 3.5" X 6" SILICONE C-SERIES	
7	46666-EE	1	TUBE, AIR TO AIR (LOWER) VOLVO	
8	16337-EE	4	CLAMP, STRAP BAND - 4"	



See referenced page for component or assembly breakdown.




Kit or Assembly - includes all items indented underneath.



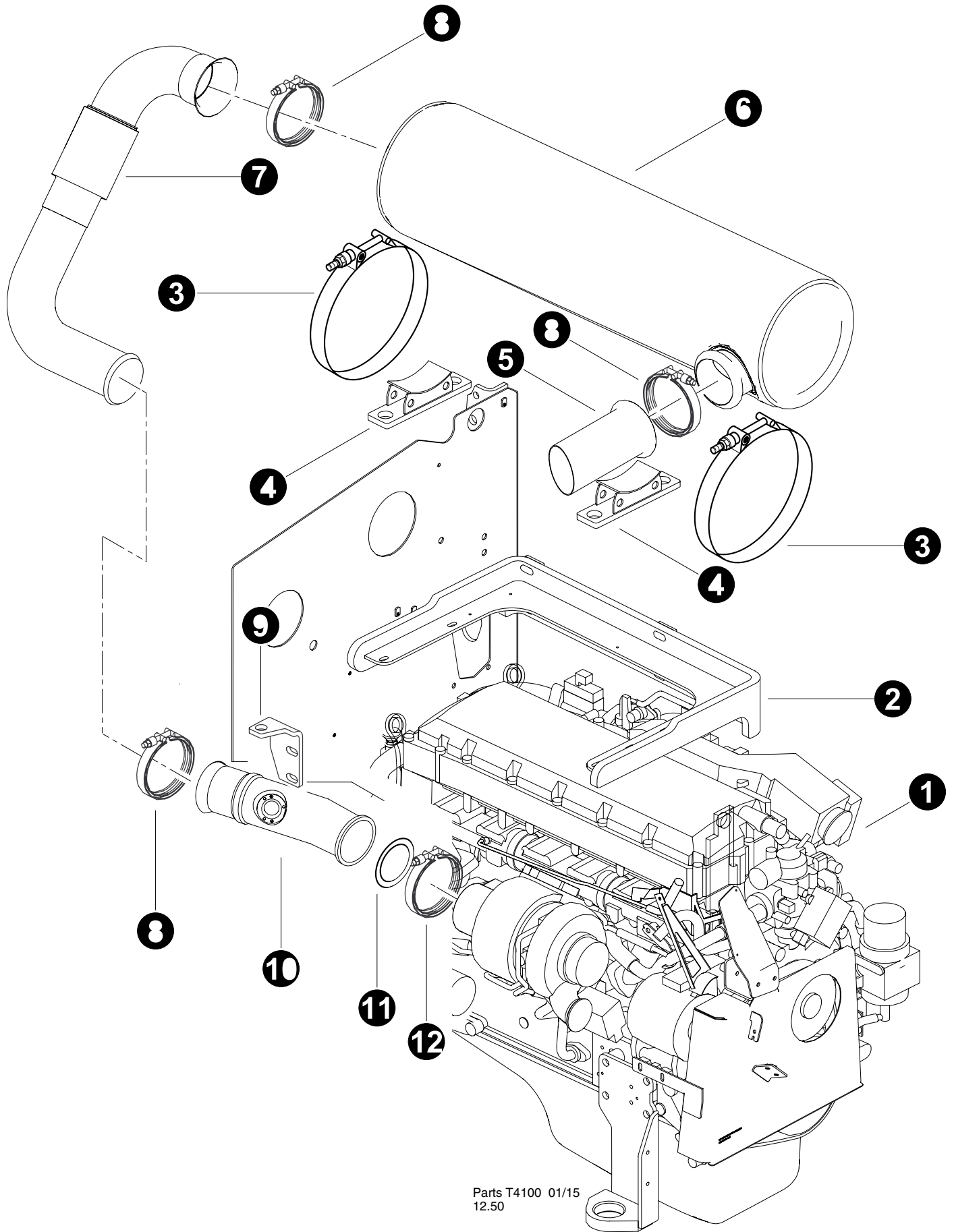
Parts T4099 08/15  
12.5

## AIR CLEANER INSTALLATION

### (Tier 4 Volvo)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 AIR CLEANER ASSEMBLY . . . . .	EE-1
2	16249-EE	5	CLAMP, strap band - 5-1/2"	
3	55576-EE	36"	HOSE, DUCT - AIR CLEANER TO ENGINE - 5"	
4	46374-EE	1	TUBE, AIR CLEANER / TURBO	
5	55530-EE	1	ELBOW, RUBBER - 90 DEGREE 5" X 5"	
6	52056-EE	1	HOSE, HUMP - 5" X 4"	
7	NSS		ELBOW, VOLVO TURBO	
8	15697-EE	1	CLAMP, strap band - 4-1/2"	
9	46873-EE	1	TUBE, AIR INTAKE - VOLVO TIER 4	
10	55578-EE	16"	HOSE, DUCT - AIR CLEANER TO UPPER - 6"	
11	55579-EE	2	CLAMP, DUCT HOSE - 6"	
12	46868-EE	1	WELDMENT, AIR INTAKE FLANGE - VOLVO	
13	20450-EE	2	CLAMP, air cleaner band	
14	46878-EE	1	MOUNT, AIR CLEANER - SWING OUT	
15	52992-EE	2	CLAMP, STEEL TUBELINE	

 See referenced page for component or assembly breakdown.



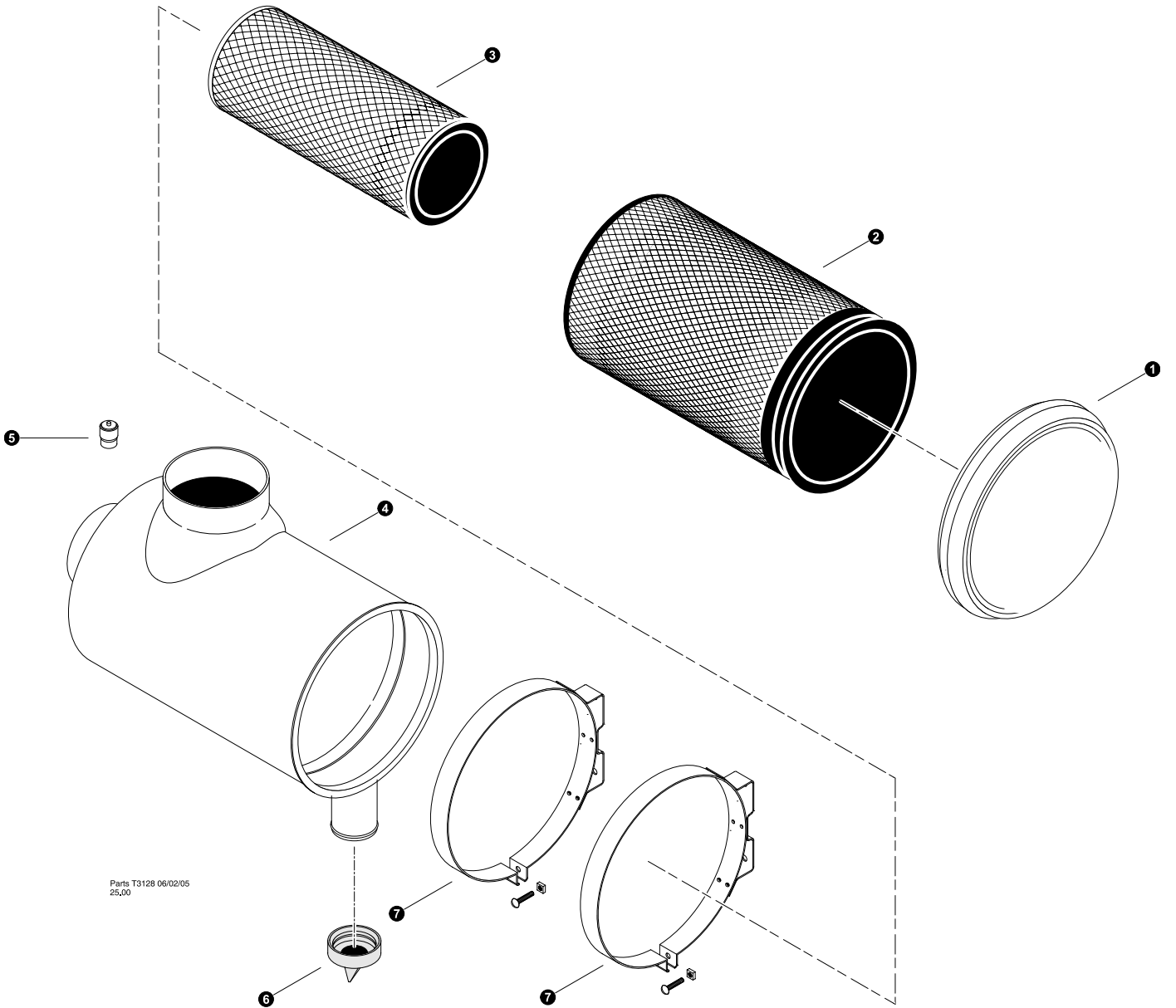
Parts T4100 01/15  
12.50

## MUFFLER INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ENGINE, VOLVO Tier4 .....	EE-2
2	46865-EE	1	MOUNT, SCR - VOLVO	
3	22280220	2	STRAP, MUFFLER - C SERIES	
4	47100-EE	2	WELDMENT, SCR MTG BASE	
5	47127-EE	1	PIPE, EXHAUST - VOLVO TIER 4F	
6	57223-EE	1	SCR, MUFFLER - VOLVO ENGINE	
-	55443-EE	1	INSULATION, MUFFLER - VOLVO TIER 4F	
7	46770-EE	1	TUBE, EXHAUST W/FLEX JOINT - VOLVO	
-	55442-EE	1	INSULATION, VOLVO - TIER 4F EXHAUST PIPES AND TURBO	
8	22197483	4	CLAMP, VOLVO EXHAUST	
9	46875-EE	1	SUPPORT, EXHAUST - TEIR 4	
10	46772-EE	1	TUBE, TURBO OUTLET SCR INJECTION - VOLVO	
11	-EE	1	SEAL, VOLVO TURBO	
12	22197483	3	CLAMP, VOLVO EXHAUST	

-

 See referenced page for component or assembly breakdown.



**AIR CLEANER ASSEMBLY**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	51729-EE	1	<input type="checkbox"/>	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	<input type="checkbox"/>	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.

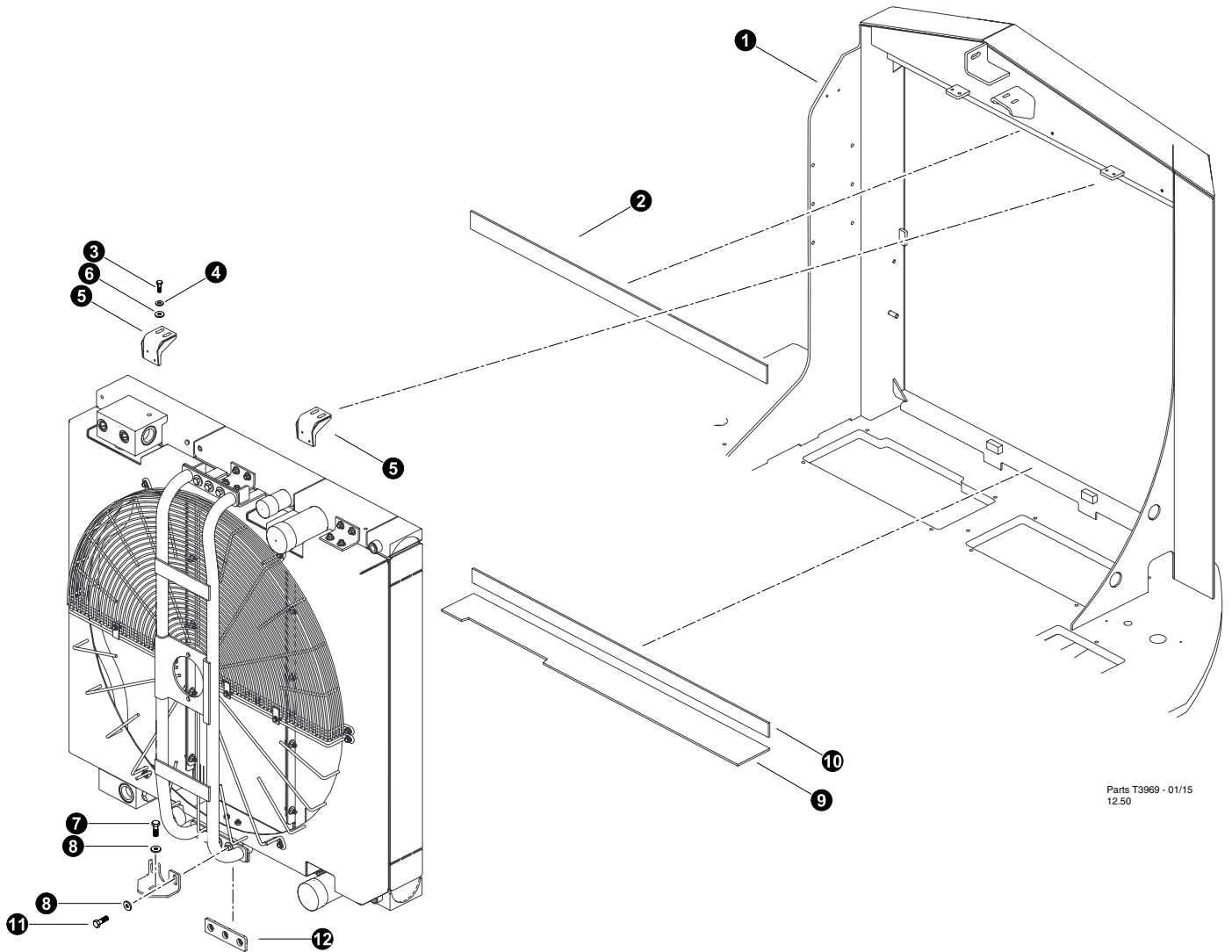
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# Section EE-3


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## Cummins Engine - Cooling System Installation

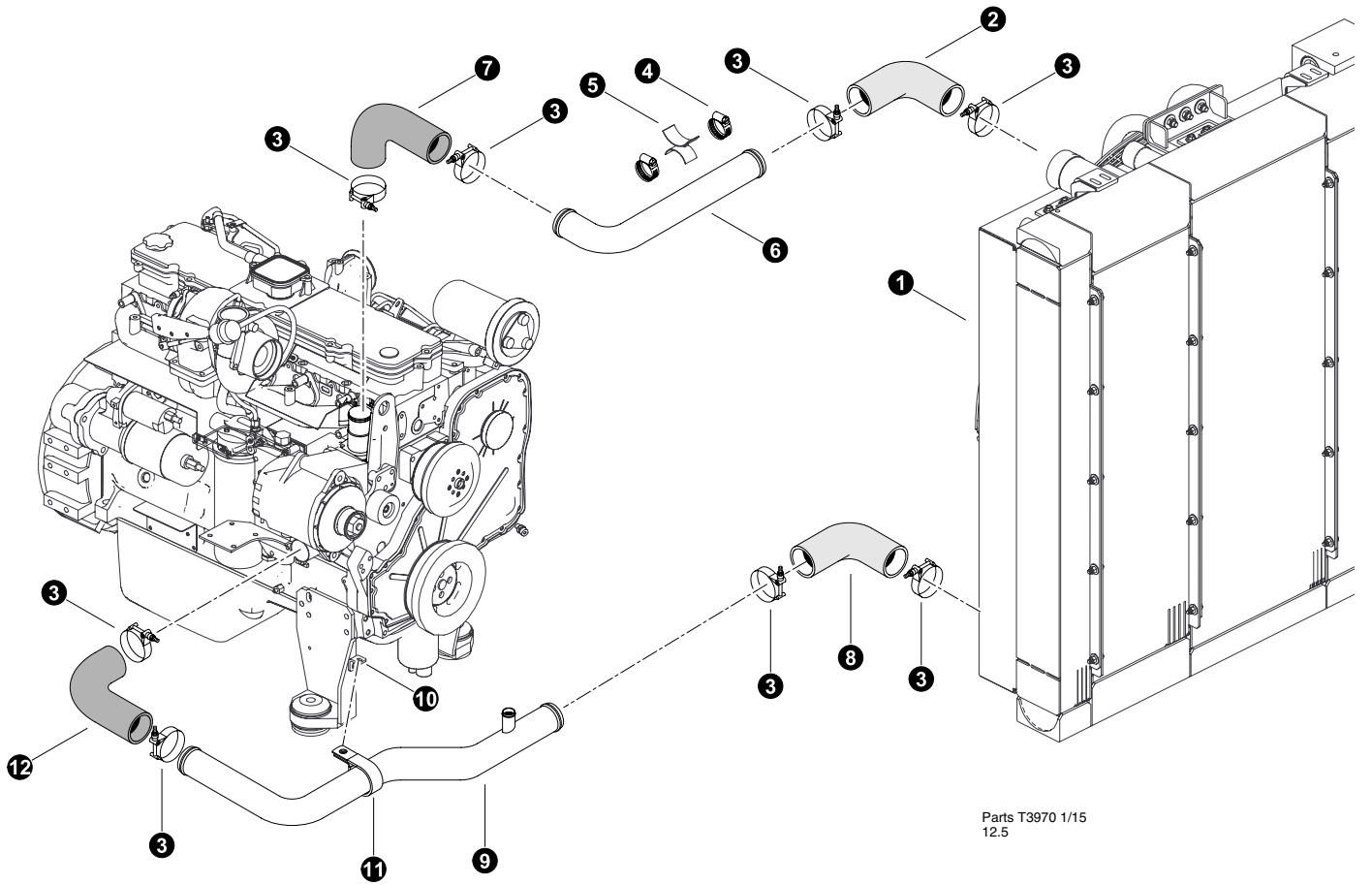


Parts T3969 - 01/15  
12.50

**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	


 See referenced page for component or assembly breakdown.

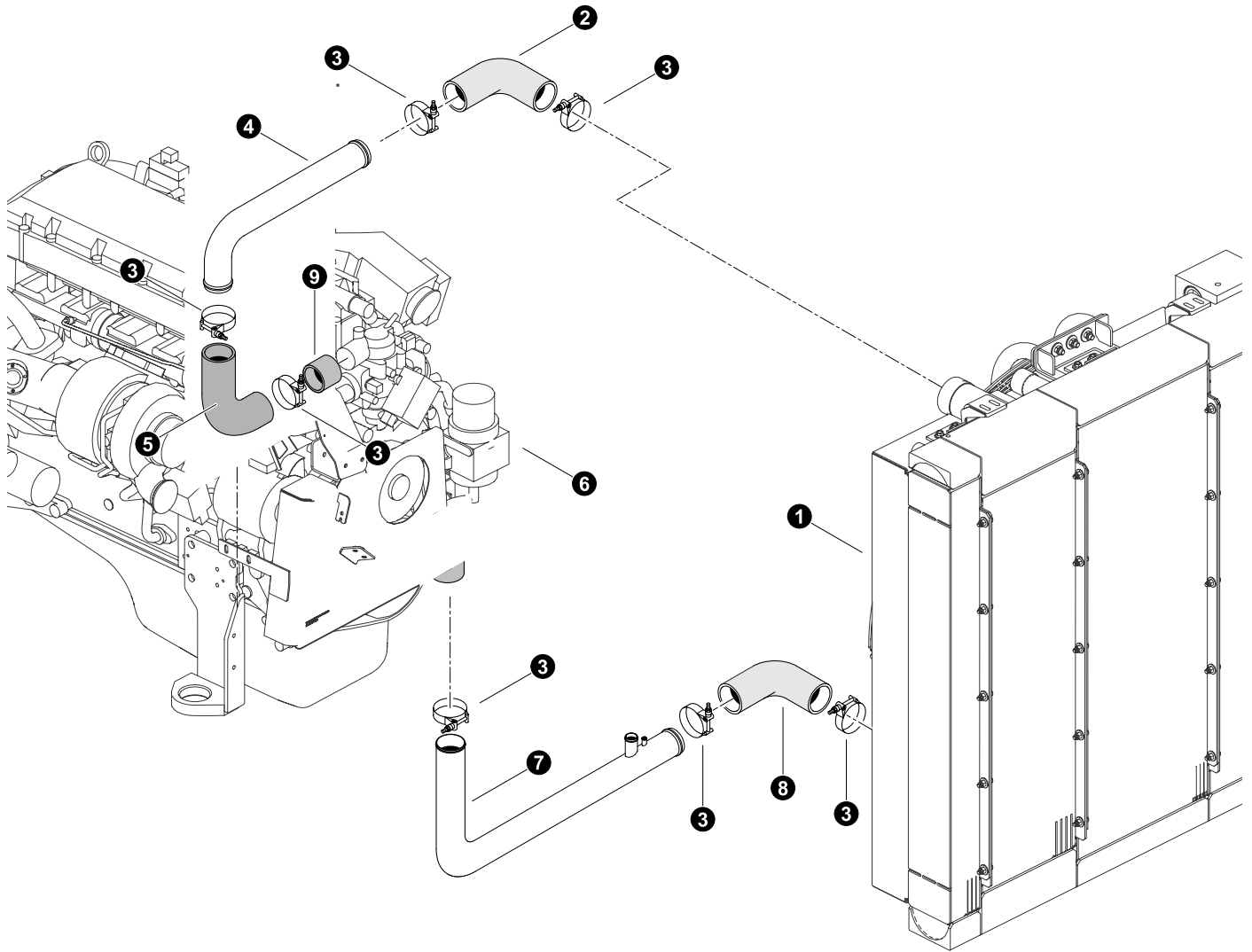


## RADIATOR TO ENGINE CONNECTIONS

### (QSC 300HP 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	54788-EE	2	CLAMP, HOSE - WORM STYLE - 2.75"	
5	46844-EE	1	CLAMP, AIR TUBE	
6	46224-EE	1	TUBE, RADIATOR (UPPER) C-SERIES	
7	15617-EE	1	HOSE, 90 DEGREE RADIATOR - 2.5"	
8	15617-EE	1	HOSE, 90 DEGREE RADIATOR - 2.5"	
9	46227-EE	1	TUBE, RADIATOR (LOWER) C-SERIES	
10	46421-EE	1	BRACKET, COOLER LINE SUPPORT	
11	0708827	1	CLAMP, Rubber Coated	
12	15617-EE	1	HOSE, 90 DEGREE RADIATOR - 2.5"	

 See referenced page for component or assembly breakdown.

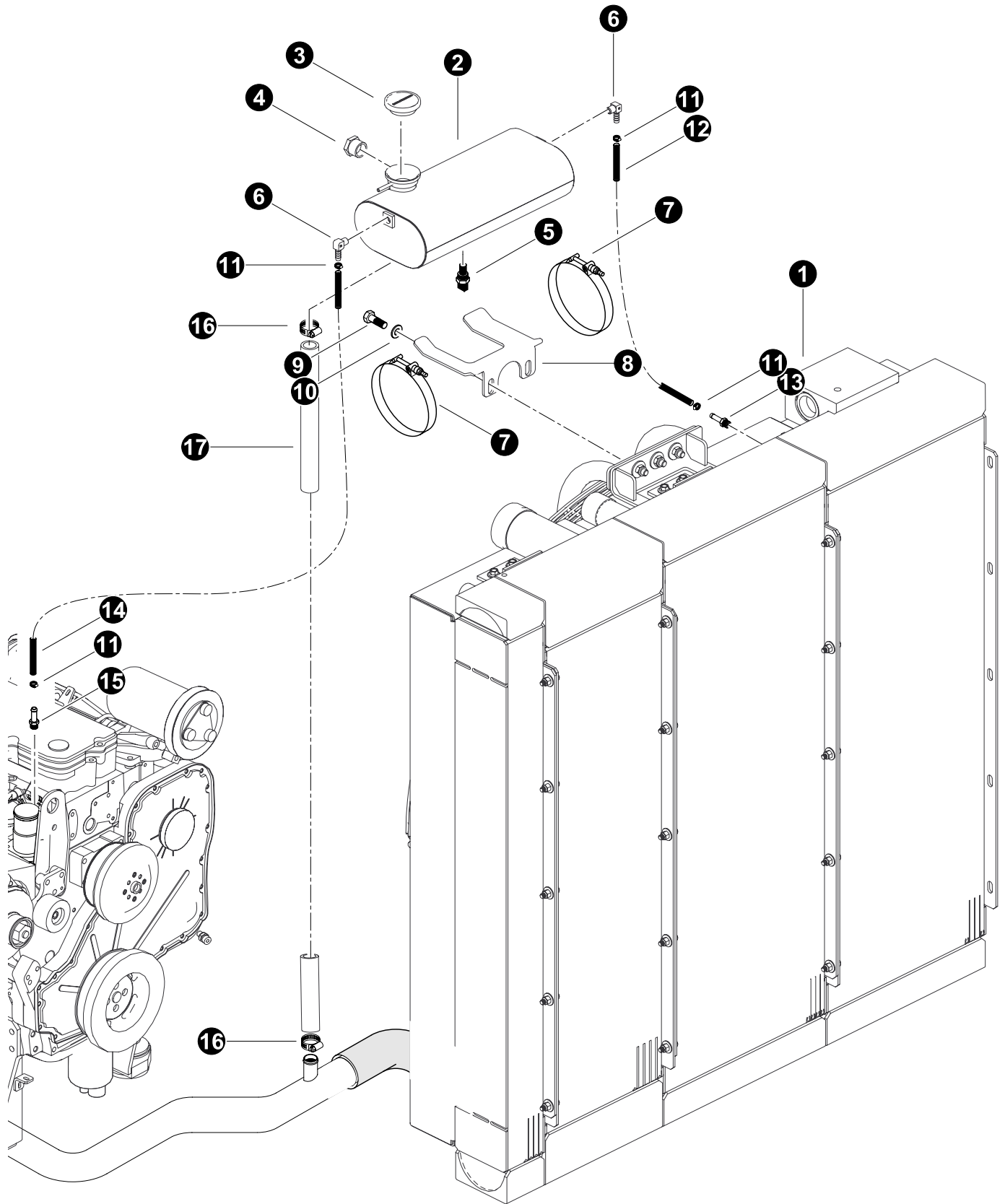


Parts T4102 1/15  
12.5

## RADIATOR TO ENGINE CONNECTIONS (Volvo Tier4 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	46667-EE	1	TUBE, RAD LOWER TIER 4 VOLVO	
5	15617-EE	1	HOSE, 90 DEGREE RADIATOR - 2.5"	
6	REF	1	 VOLVO TIER4 .....	EE-2
7	46668-EE	1	TUBE, RAD LOWER TIER 4 VOLVO	
8	55583-EE	1	HOSE, 90 DEGREE RADIATOR - 2.5"	
9	55504-EE	1	ADAPTER, HOSE - 2.25" TO 2" - VOLVO	

 See referenced page for component or assembly breakdown.

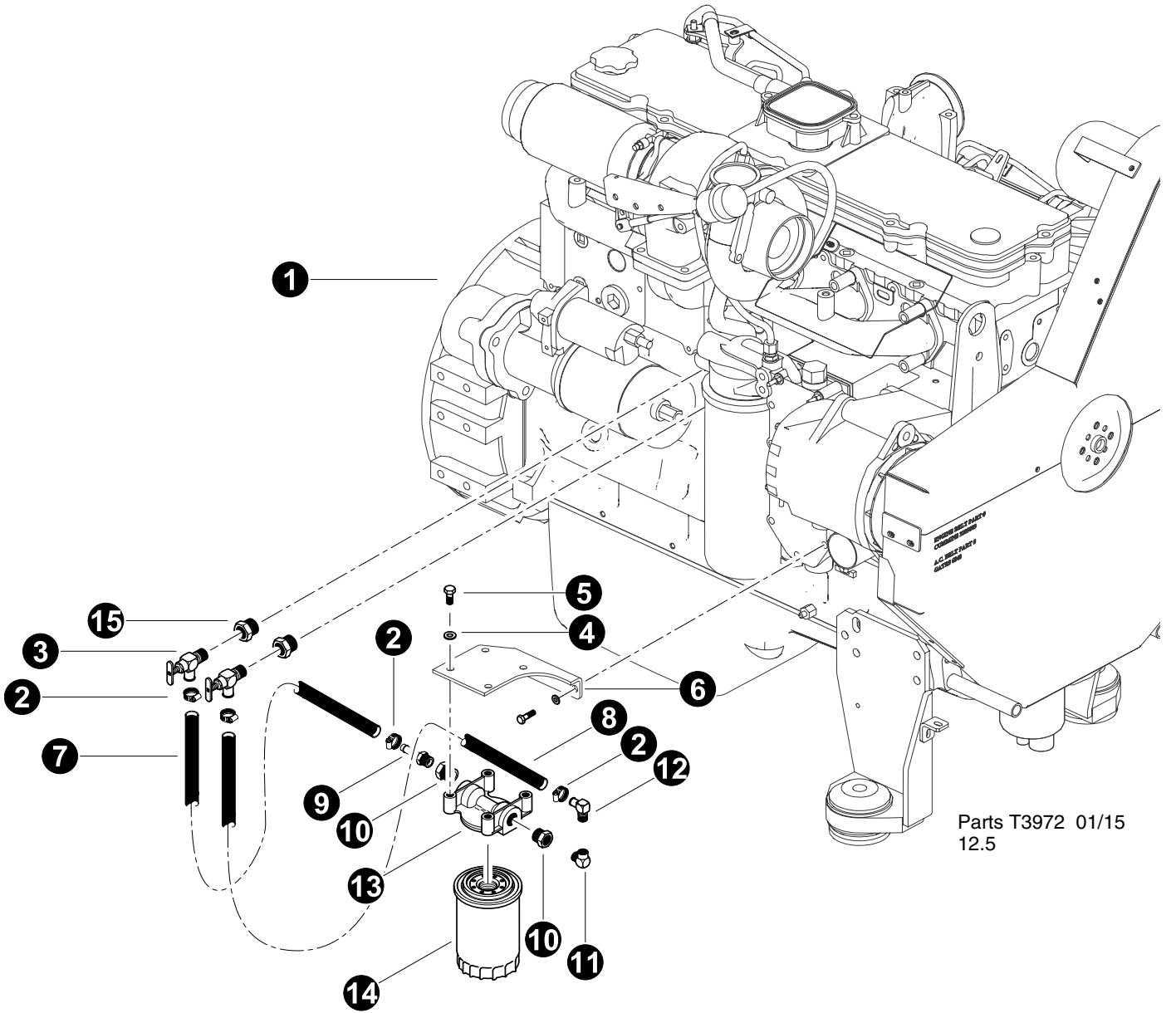


Parts T3971 1/15  
12.5

## 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.



Parts T3972 01/15  
12.5

## 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 - FILTER 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	

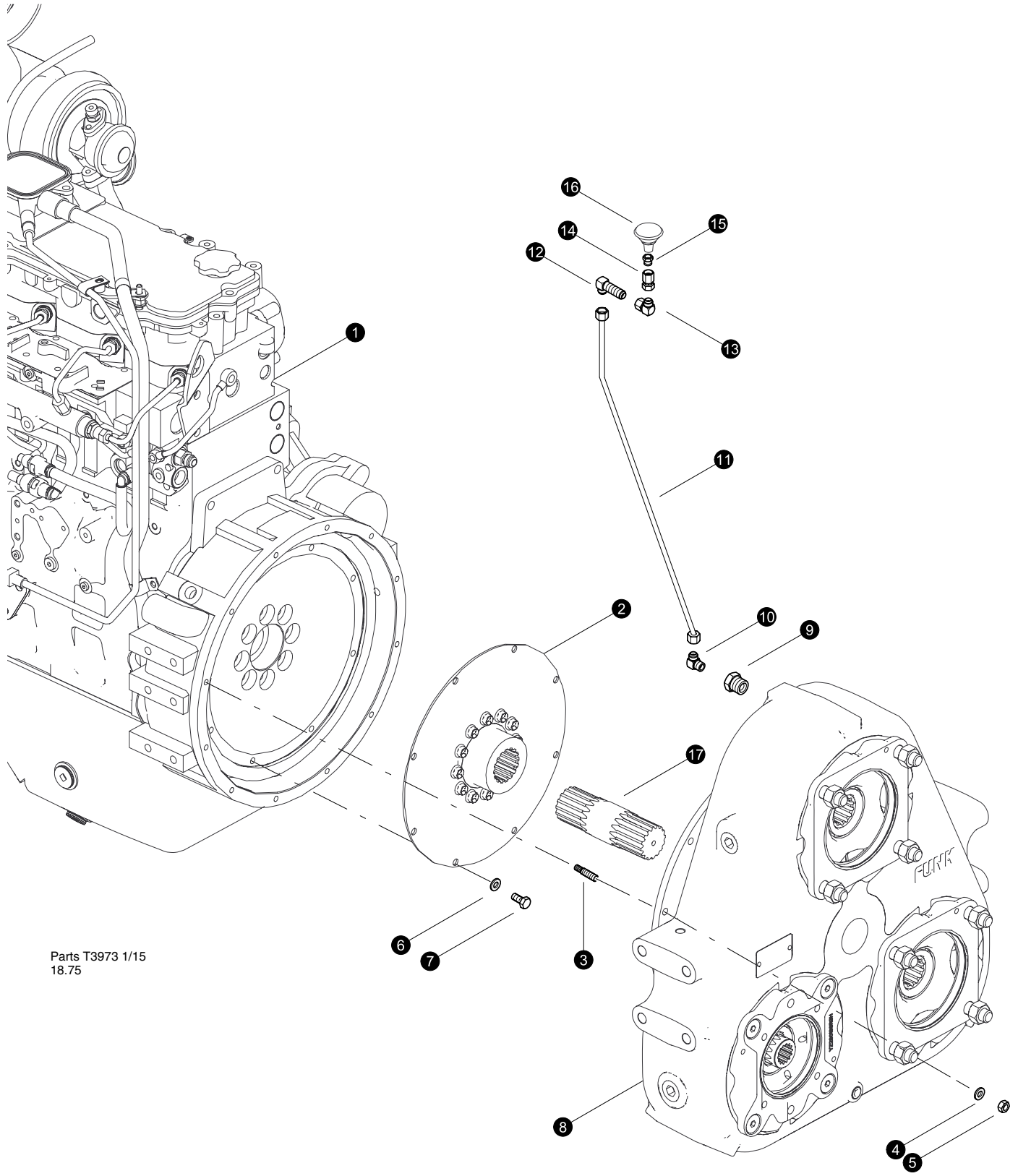
 See referenced page for component or assembly breakdown.



# ***Section EE-4***



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## **Cummins Engine - Pump Drive Transmission**



Parts T3973 1/15  
18.75

## 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) <b>(Torque to 40 ft.lbs. (53 Nm))</b>	
6	15528-EE	8	WASHER, SAE flat - 3/8"	
7	15542-EE	8	BOLT - 3/8" x 3/4" (See Note #1 below) <b>(Torque to 40 ft.lbs. (53 Nm))</b>	
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	

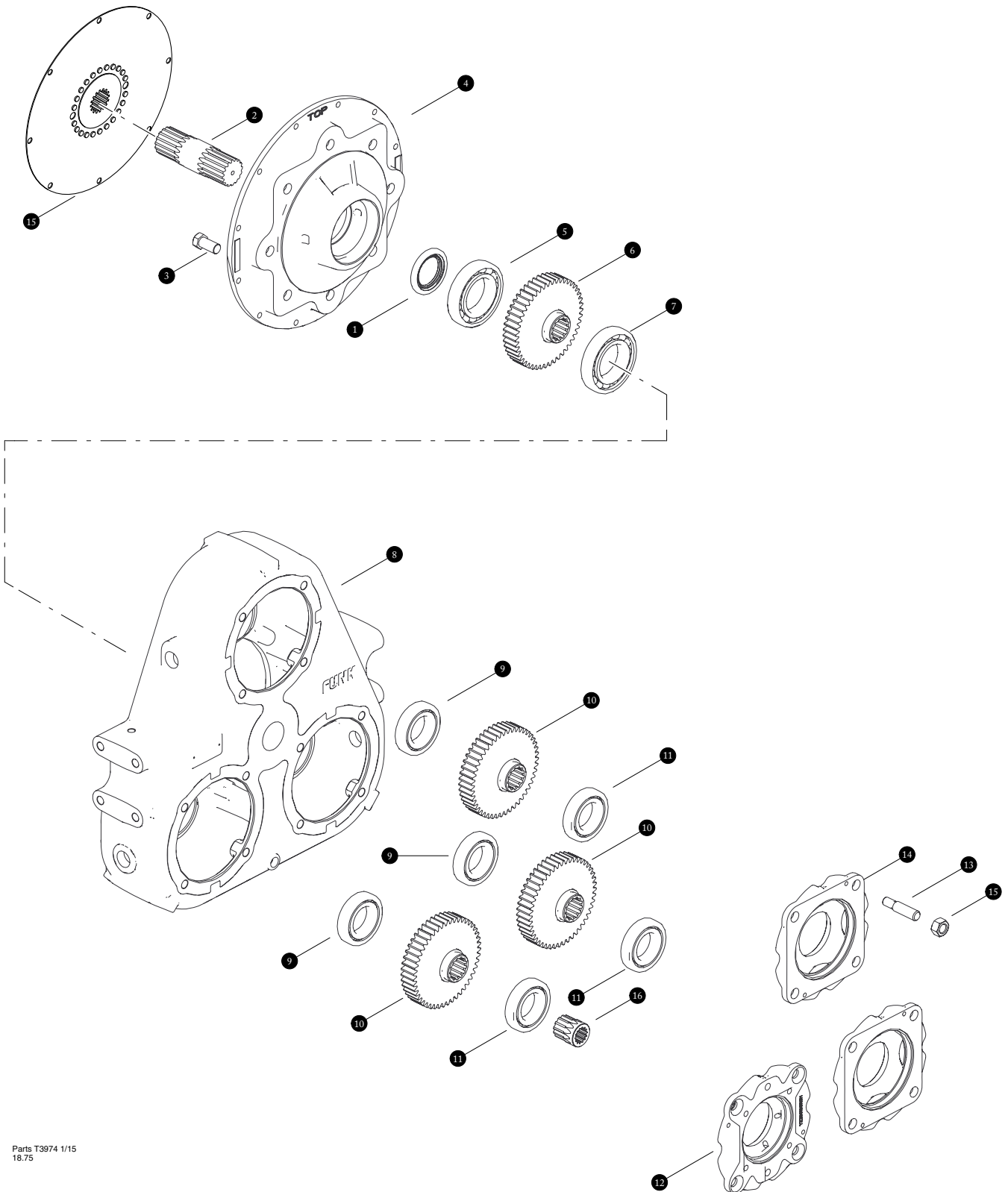
 See referenced page for component or assembly breakdown.

### **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	<input type="checkbox"/> 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:

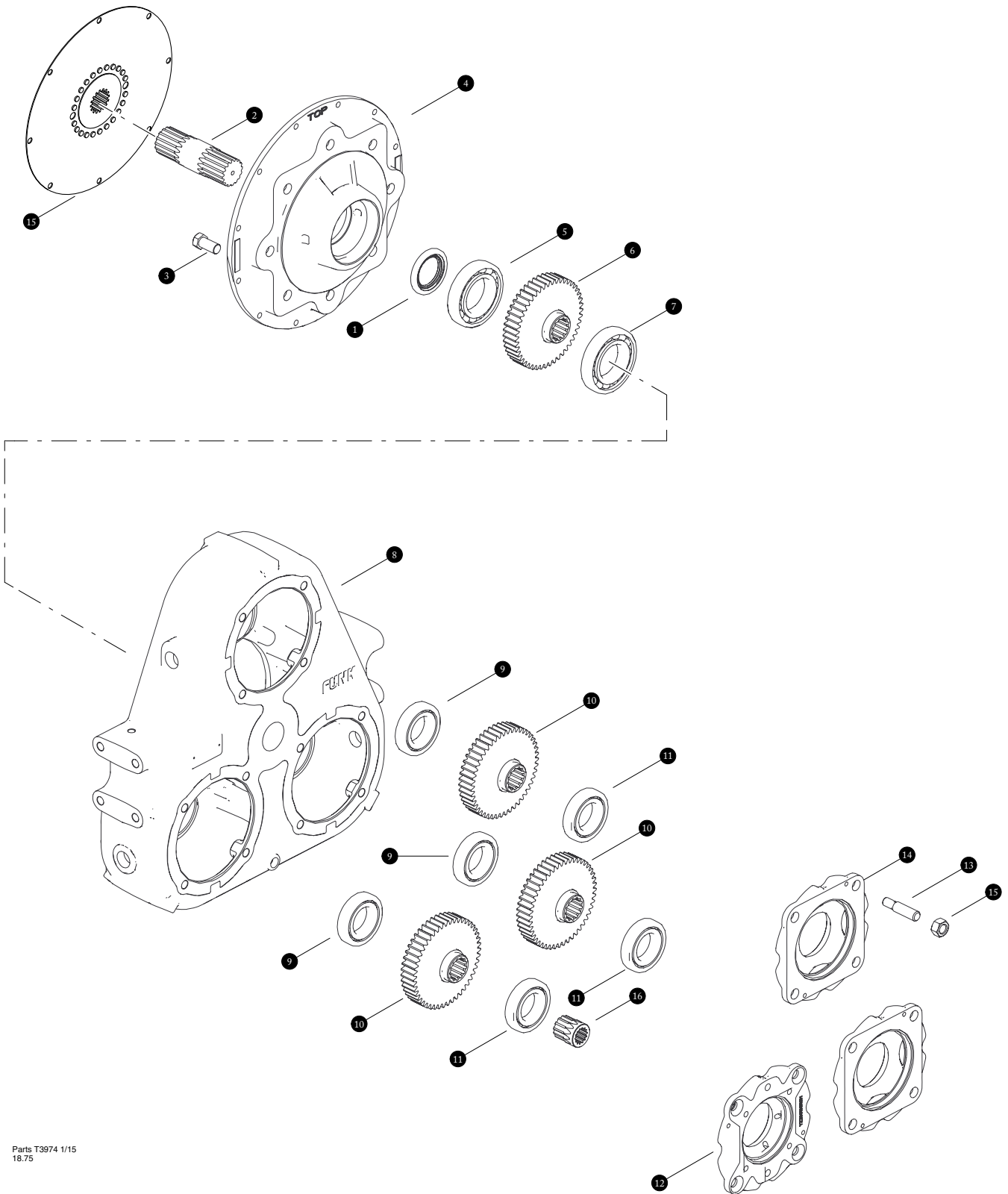
Use Loctite 272 (blue) during installation.

Note #2:

Use Silicone sealant during installation.

Note #3:

Use teflon sealant during installation.



Parts T3974 1/15  
18.75

## PUMP DRIVE TRANSMISSION BREAKDOWN (Volvo Tier4 Gear Box)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	55502-EE	1	<input type="checkbox"/> TRANSMISSION, triple pump drive (.723:1)	
1	18027-EE	1	SEAL, shaft	
2	18388-EE	1	SHAFT, drive	
3	F1008024-EE	8	BOLT, flywheel cover (See Note #1 Below)	
4	-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:**

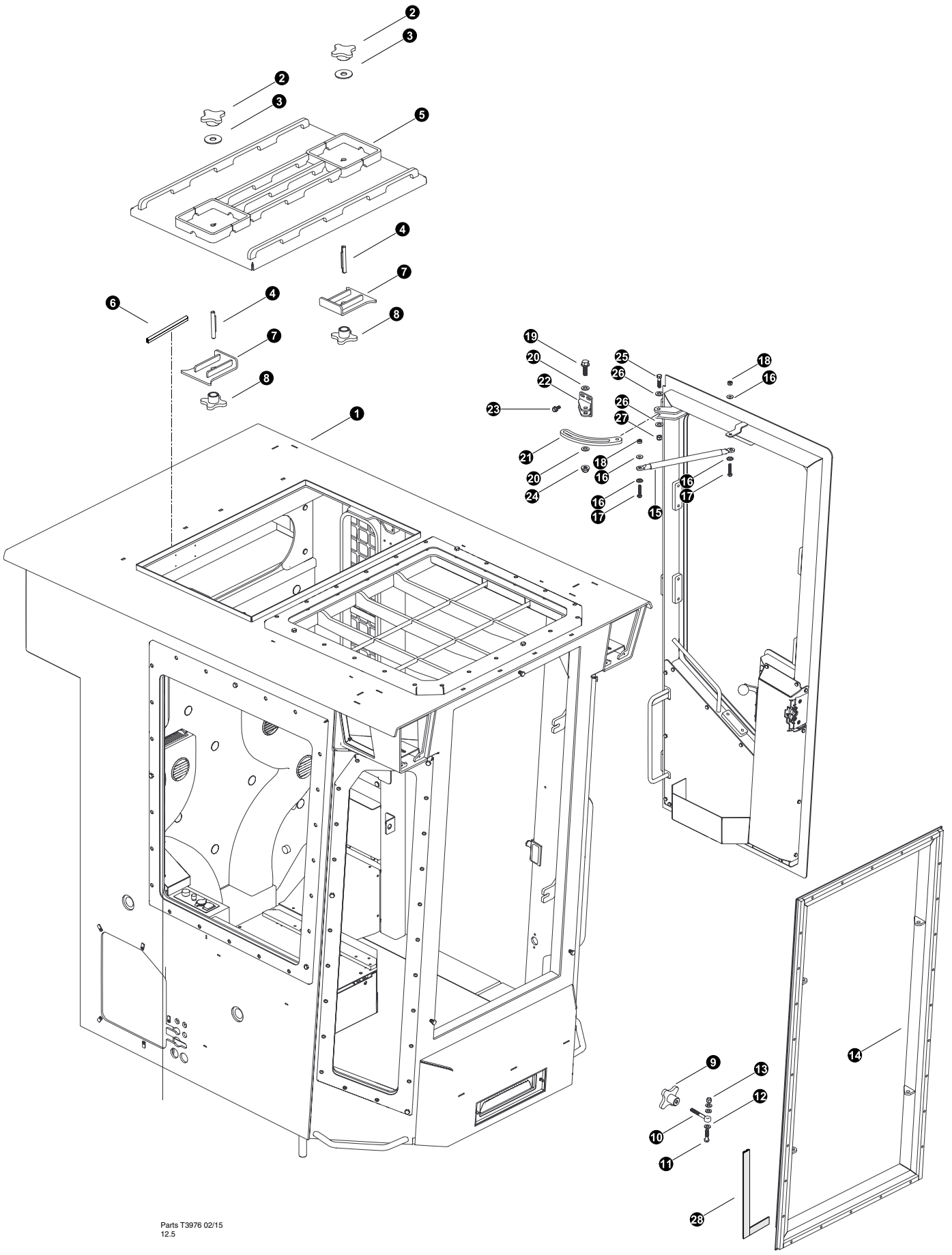
Use teflon sealant during installation.



# OC-1

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## ***Operator's Cab - Cab Weldment and Installation***



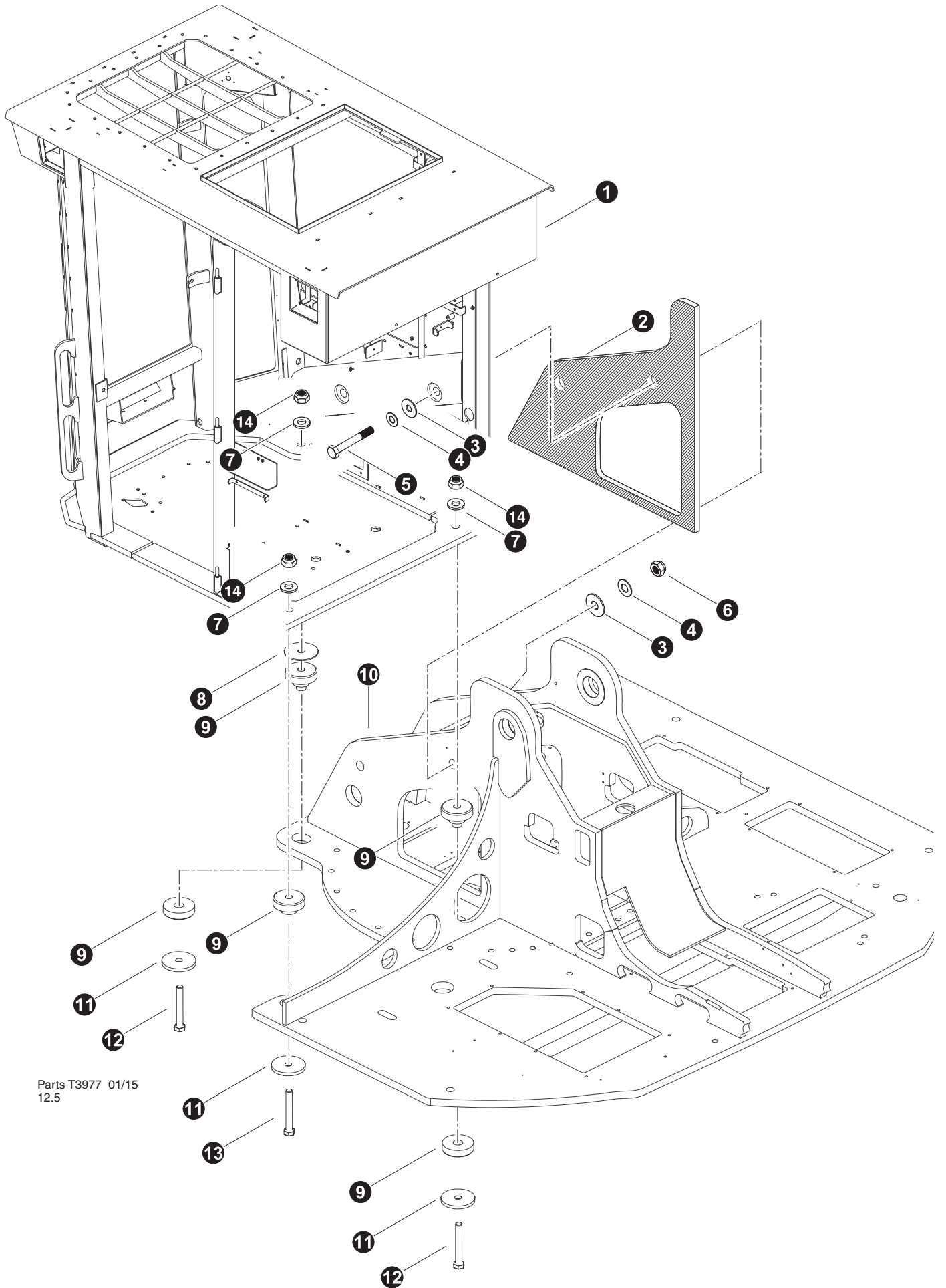
Parts T3976 02/15  
12.5

**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	1045848-OC	1		SHOCK, Door	
16	1012571-OC	4		WASHER, Door Shock	
17	18016-OC	2		BOLT, Door Shock	
18	63216-OC	2		NUT, Door Shock	
19	63525-OC	1		BOLT, Door Stop	
20	63505-OC	4		WASHER,	
21	1045838-OC	1		BRACKET, Door Stop	
22	13260-00-OC	1		BRACKET, Door Stop	
23	18003-OC	4		BOLT, Door Stop Bracket	
24	63506-OC	1		NUT	
25	63165-OC	1		BOLT,	
26	63505-OC	2		WASHER	
27	35002-OC	1		NUT	
28	18126-OC	10 ft	✂	WEATHERSTRIPPING - DOUBLE	



☐ Kit or Assembly - includes all items indented underneath.

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



Parts T3977 01/15  
12.5

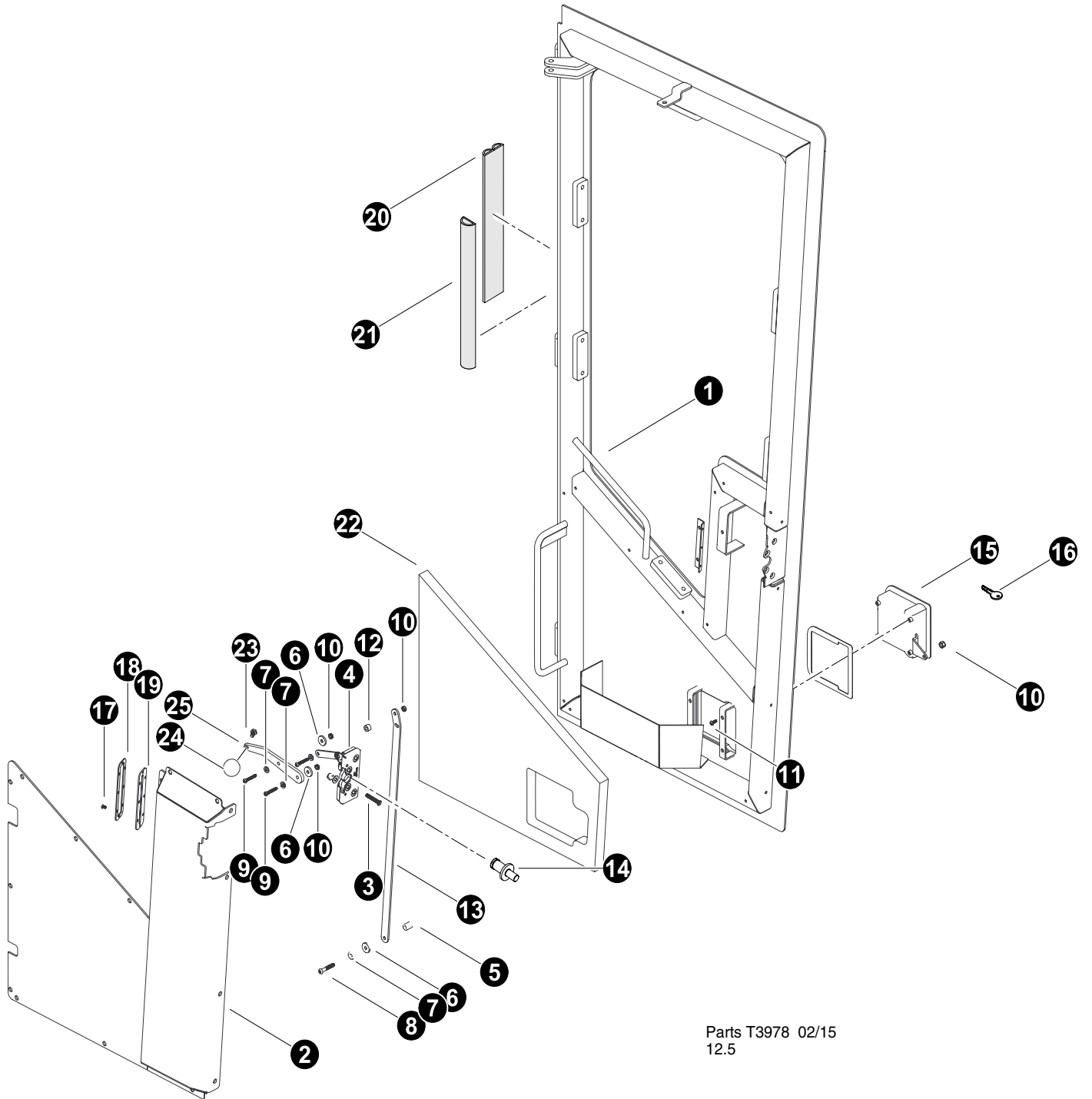
## CAB INSTALLATION

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.



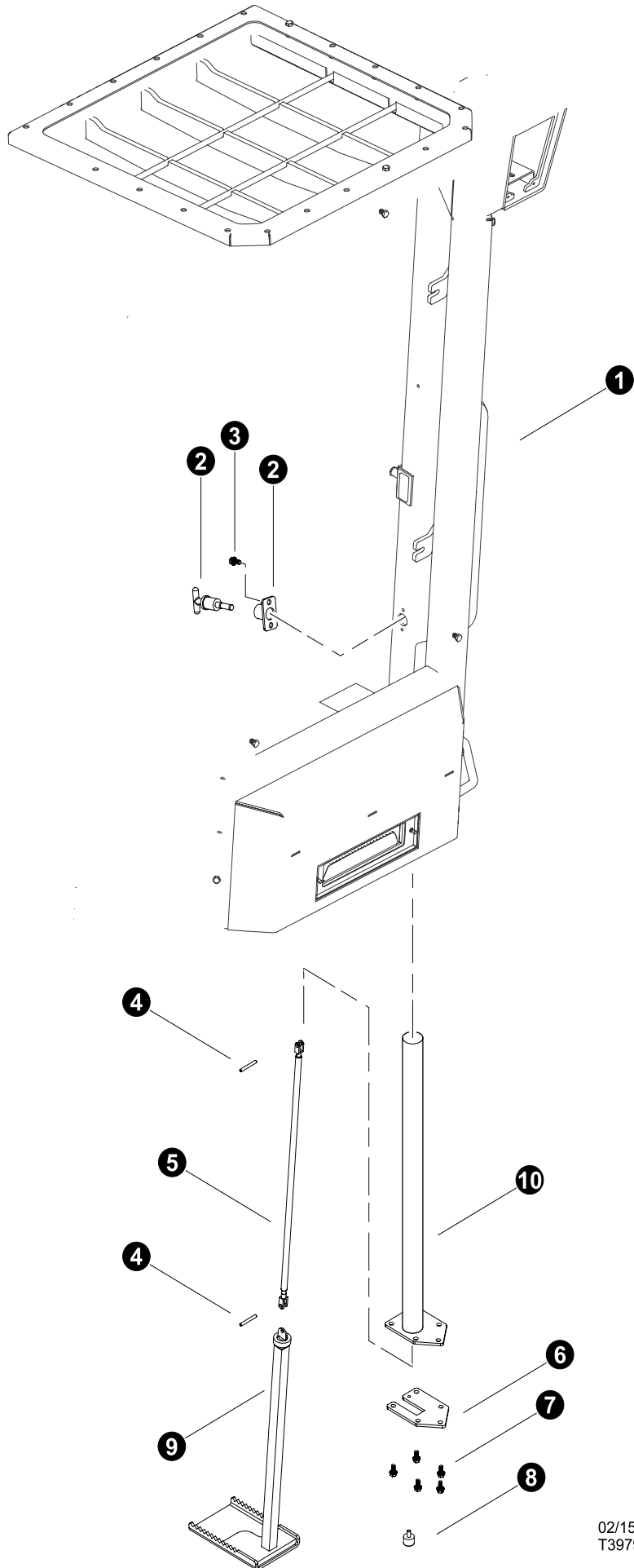
Parts T3978 02/15  
12.5

## DOOR ASSEMBLY AND LATCH INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	1047486-OC	1	DOOR, CAB (hinges shipped loose)	
2	1047763-OC	1	COVER, DOOR	
3	52068-OC	1	BOLT, COUNTERSUNK (63227)	
4	57306-OC	4	PLATE, DOOR LATCH (63175)	
5	1045877-OC	3	SPACER, DOOR LATCH (included with plate)	
6	63220-OC	1	WASHER - Large	
7	63219-OC	1	WASHER - Small	
8	1050412-OC	2	BOLT	
9	1045876-OC	3	BOLT	
10	35004-OC	3	NUT	
11	24999-OC	4	BOLT	
12	1050409-OC	1	SPACER	
13	1047745-OC	1	BRACKET	
14	1050263-OC	1	PIN, LATCH	
15	55659-OC	1	HANDLE	
16	16940-OC	1	KEY, door ( <i>Key code CH1250</i> )	
17	63303-OC	8	SCREW	
18	06149-00-OC	1	BRACKET	
19	06148-00-OC	1	RUBBER	
20	18126-OC	AR	✂ WEATHERSTRIP, door	
21	54050-OC	AR	✂ WEATHERSTRIPPING, RUBBER-REAR DOOR SEAL	
22	1048750-OC	1	FOAM	
23	45040-OC	1	BOLT	
24	18087-OC	1	KNOB	
25	1047746-OC	1	HANDLE	

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	<input type="checkbox"/> 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	

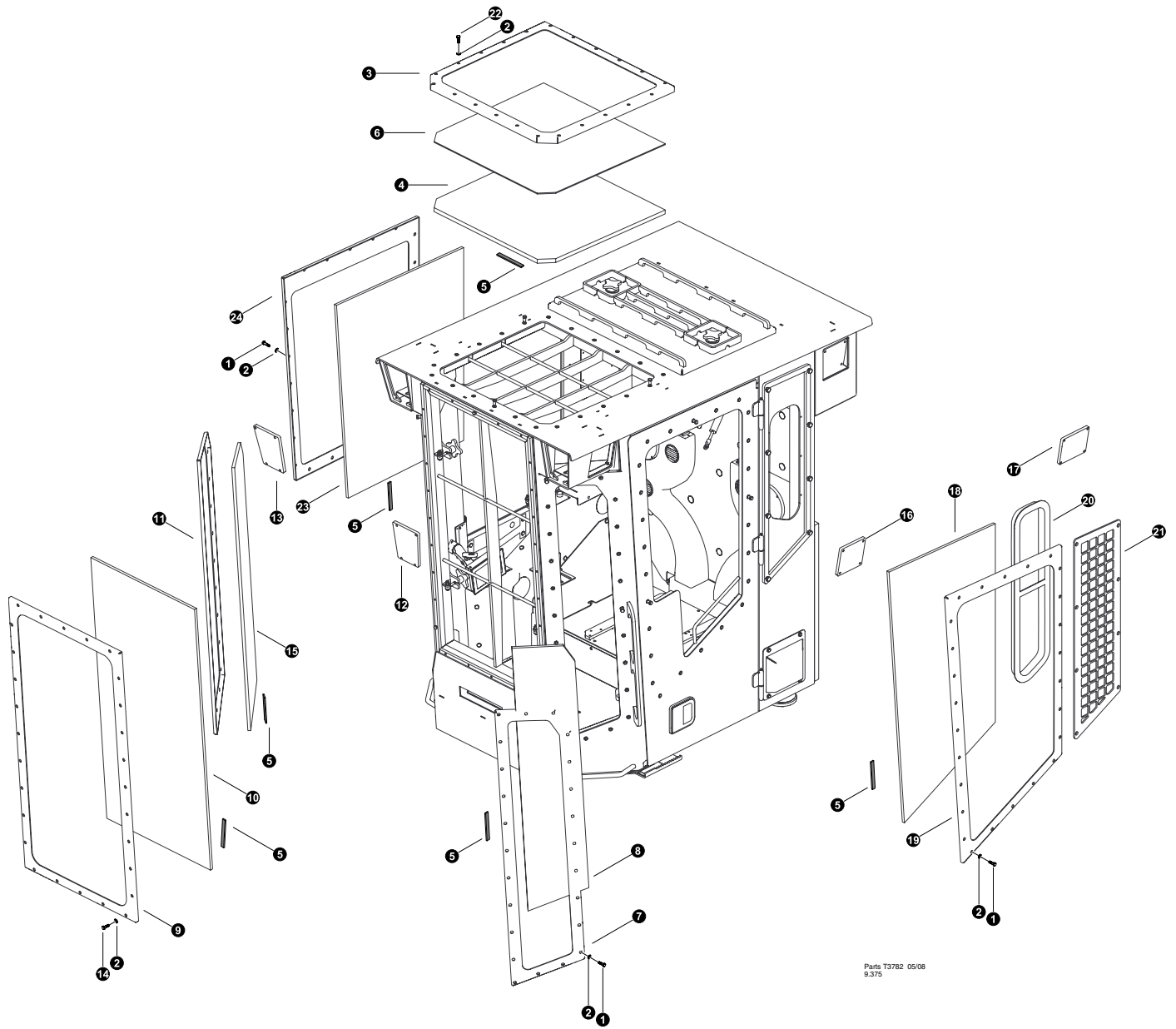
- Kit or Assembly - includes all items indented underneath.  
 Bulk material - order length required in feet or meters.



# ***Section OC-2***


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## ***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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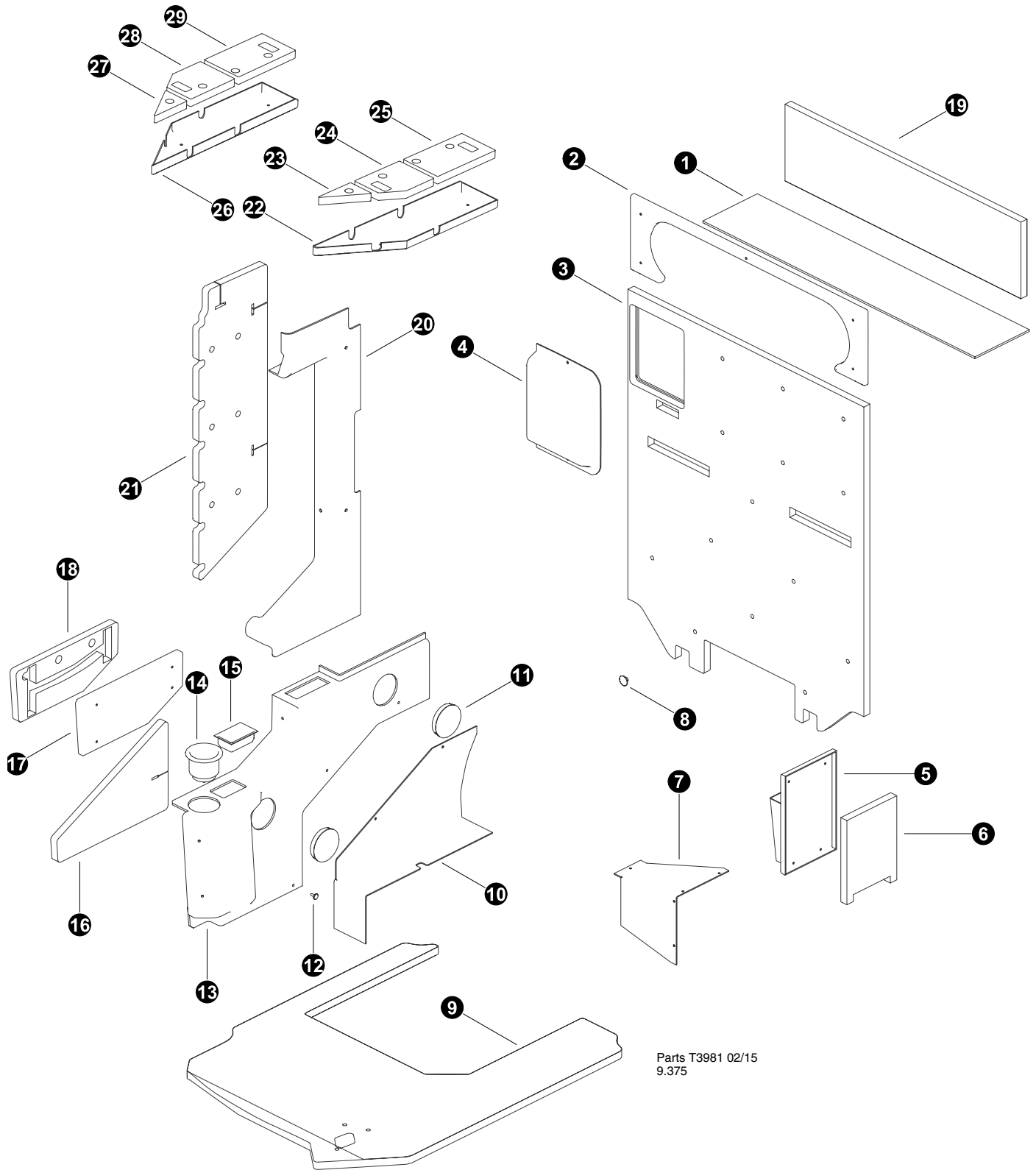
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# ***Section OC-3***

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## ***Operator's Cab - Interior Components***

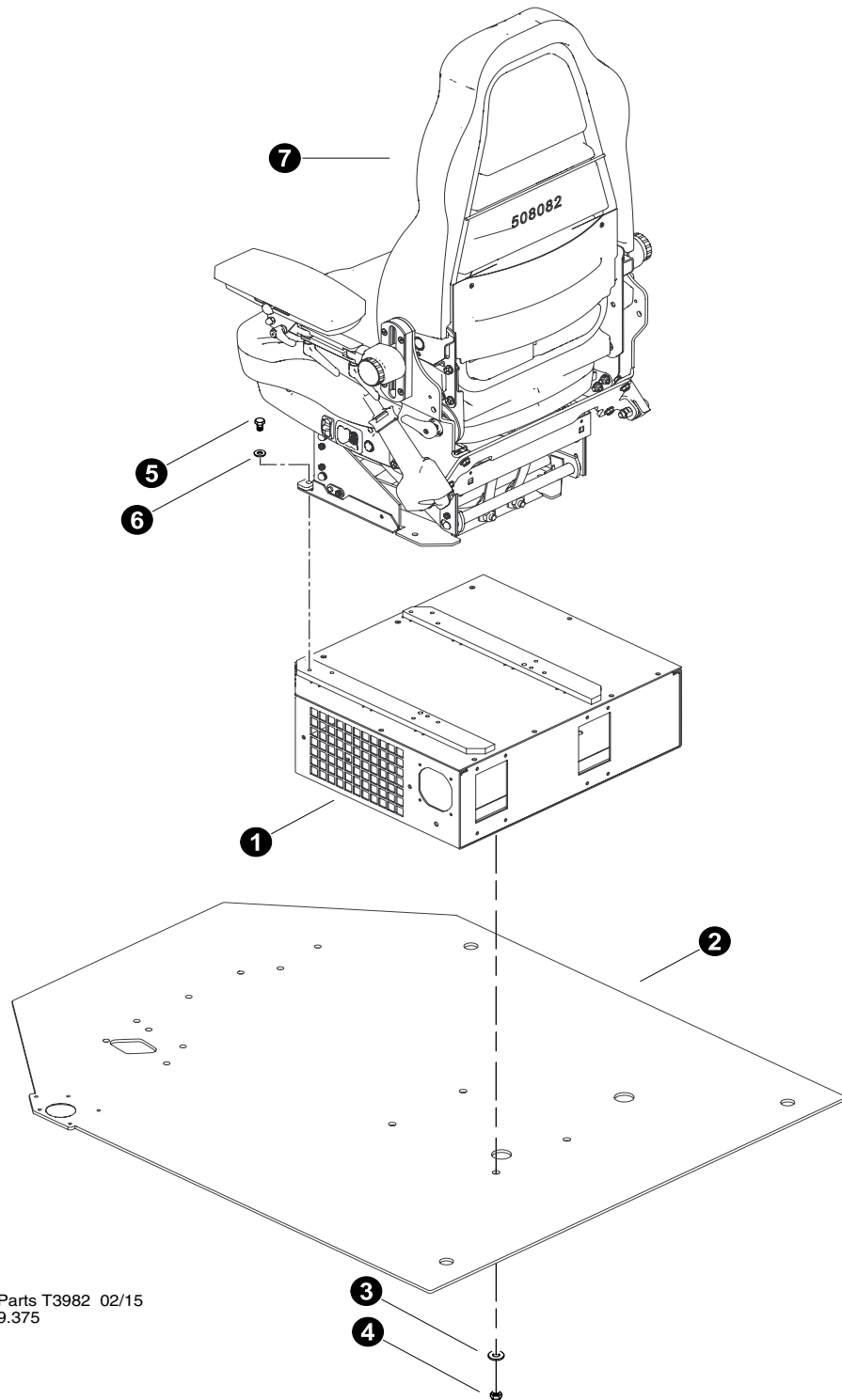


Parts T3981 02/15  
9.375

**INTERIOR TRIM & FLOORMAT**




REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	-OC	1	<input type="checkbox"/> 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	55199-OC	1	FLOORMAT, TRACK MACHINE "C"	
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.

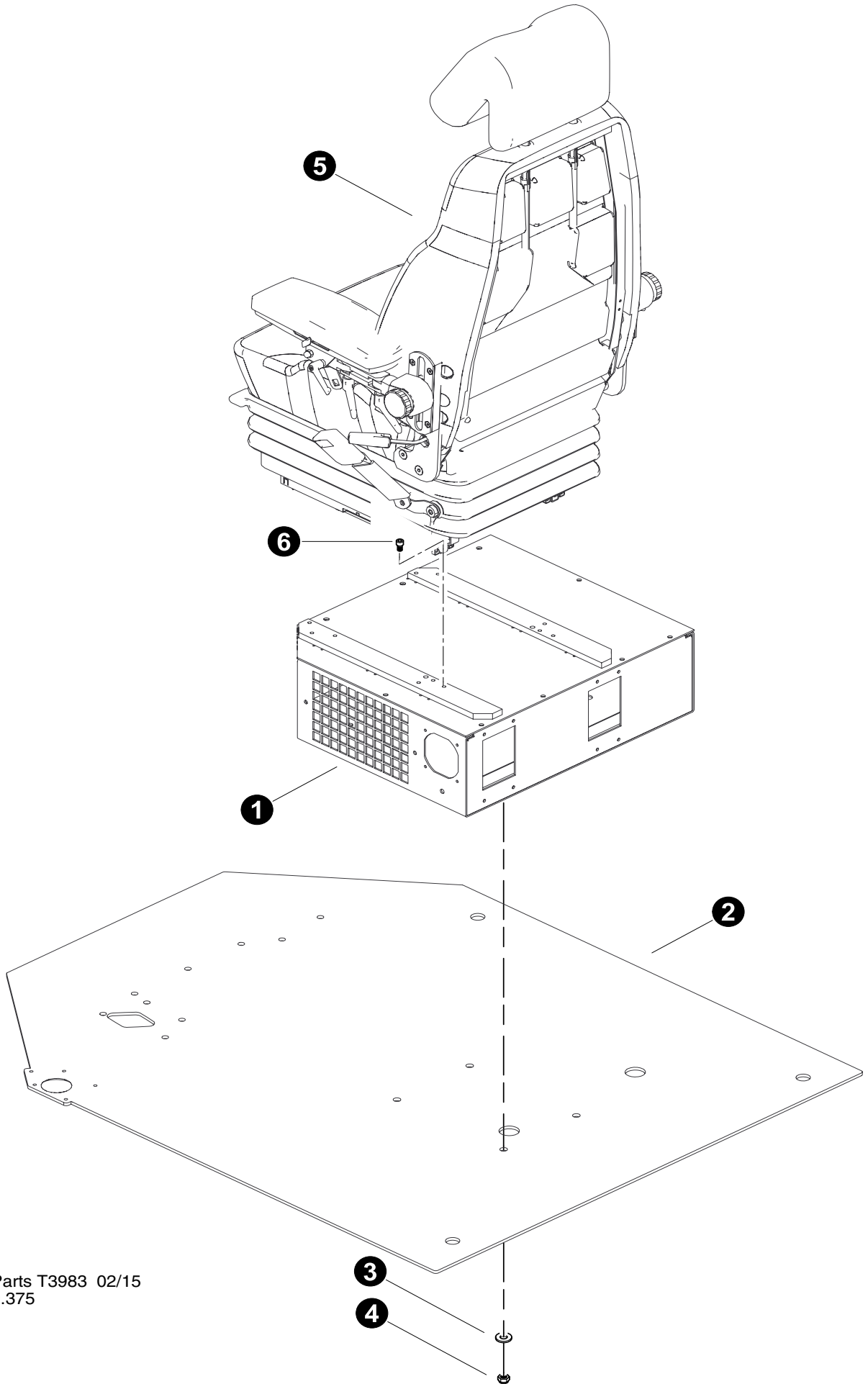


Parts T3982 02/15  
9.375

**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.

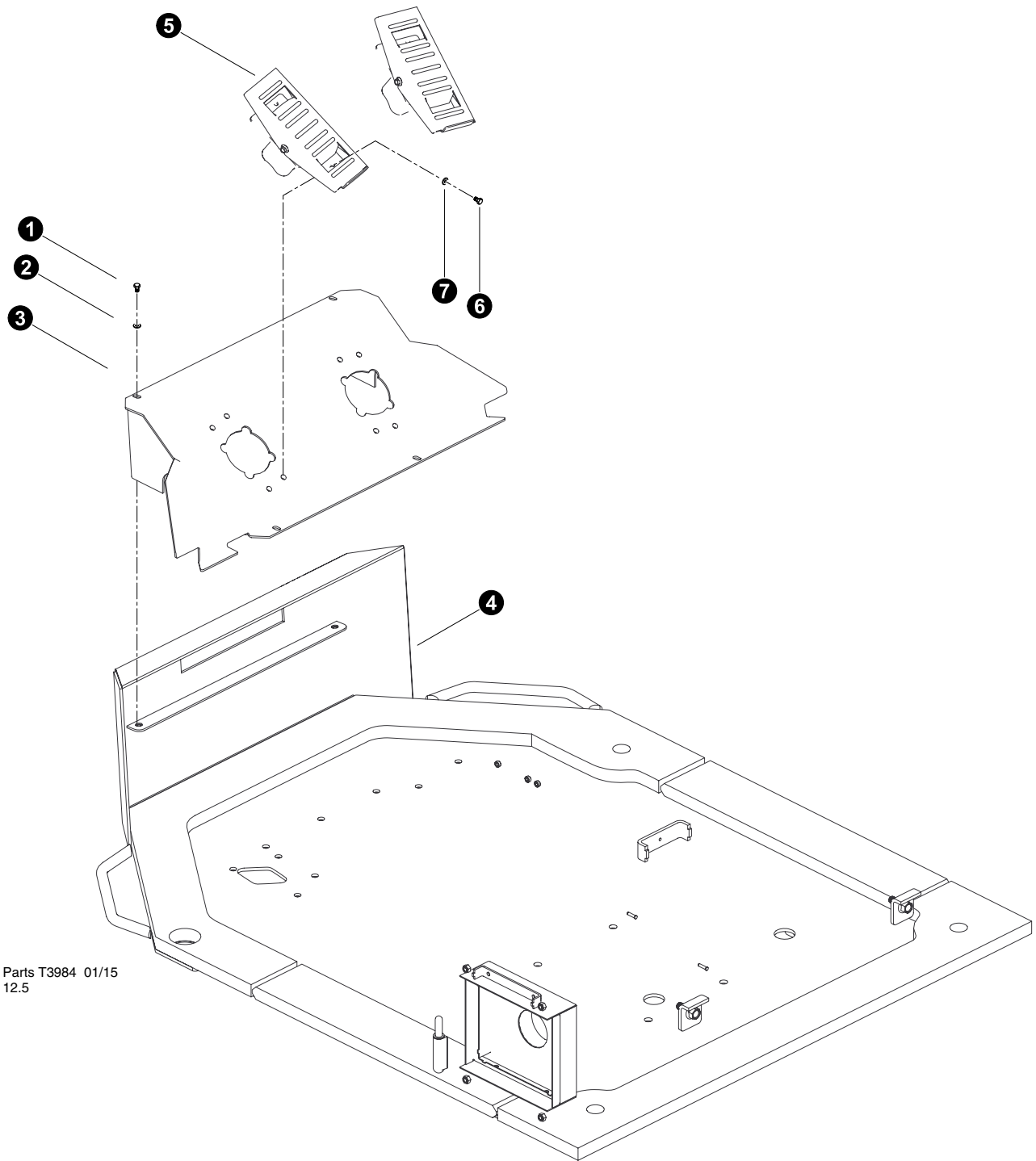


Parts T3983 02/15  
9.375

## 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.

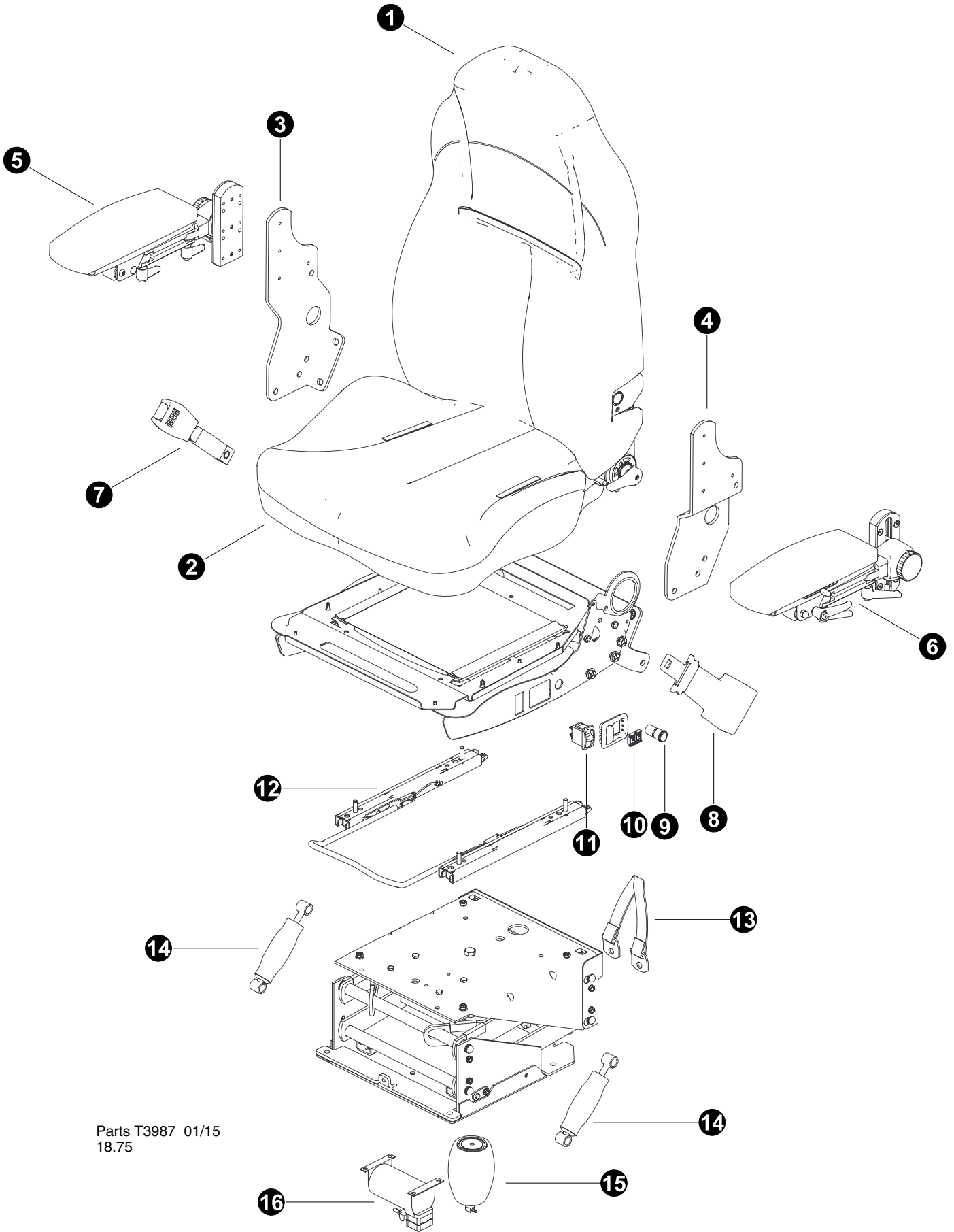


Parts T3984 01/15  
12.5

## FOOT PEDALS INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	15604-OC	4	BOLT - .25" X .75"	
2	10757-OC	4	WASHER, SAE FLAT - .25"	
3	1048244-OC	1	BRACKET, FOOT PEDAL - TRACK	
4	REF.	1	 OPERATOR'S CAB .....	OC-1
5	REF.	1	 TRACK DRIVE FOOT CONTROL .....	ES-3
6	15604-OC	8	BOLT - .25" X .75"	
7	10757-OC	8	WASHER, SAE FLAT - .25"	

 See referenced page for component or assembly breakdown.

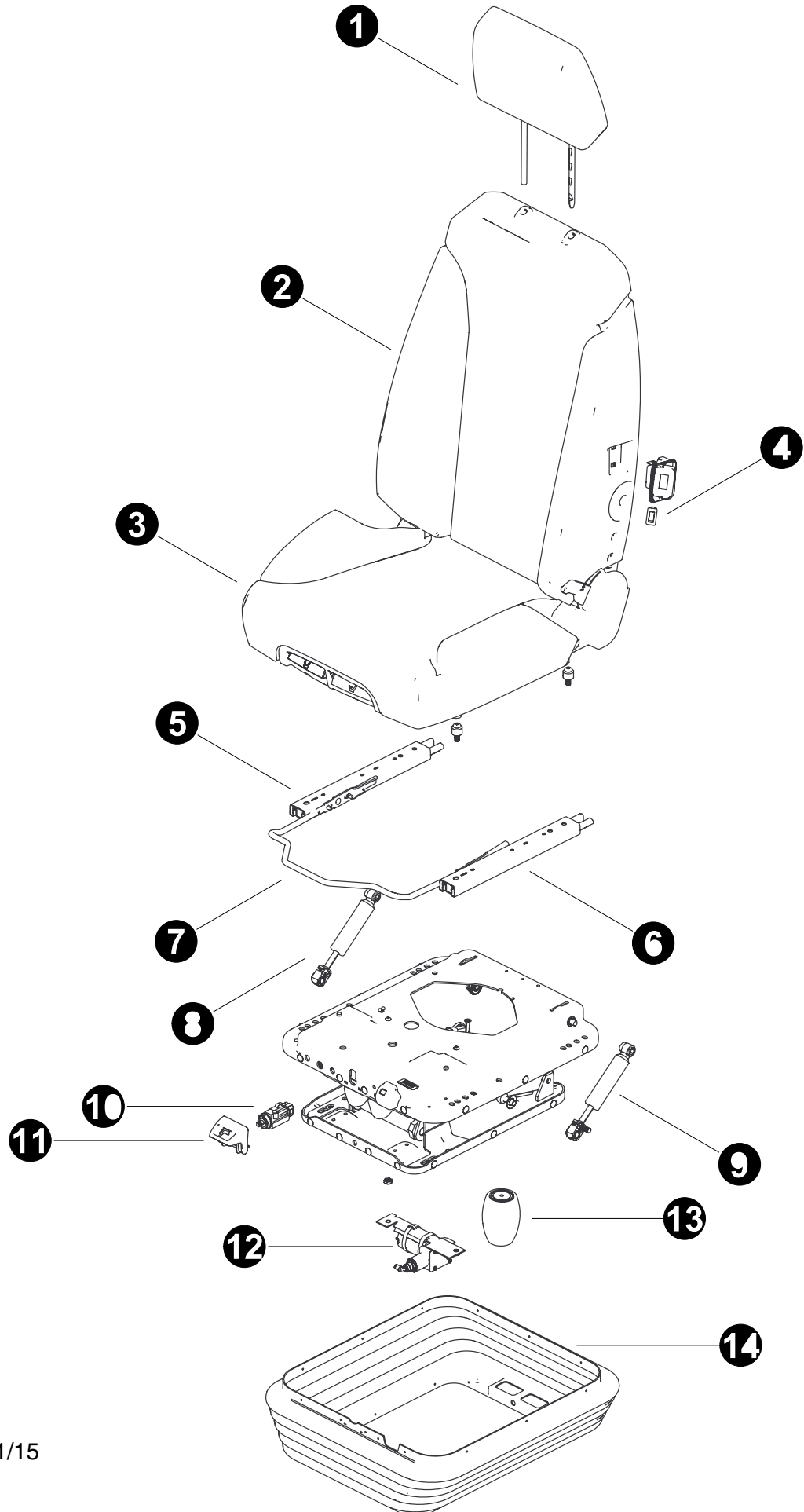


Parts T3987 01/15  
18.75

### OPERATOR'S SEAT BREAKDOWN (Seats Inc - Standard)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	54071-OC	1	<input type="checkbox"/> 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	<input type="checkbox"/> ARMREST ASSEMBLY.....	OC-3
6	REF.	2	<input type="checkbox"/> ARMREST ASSEMBLY.....	OC-3
7	741057	1	<input type="checkbox"/> 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.




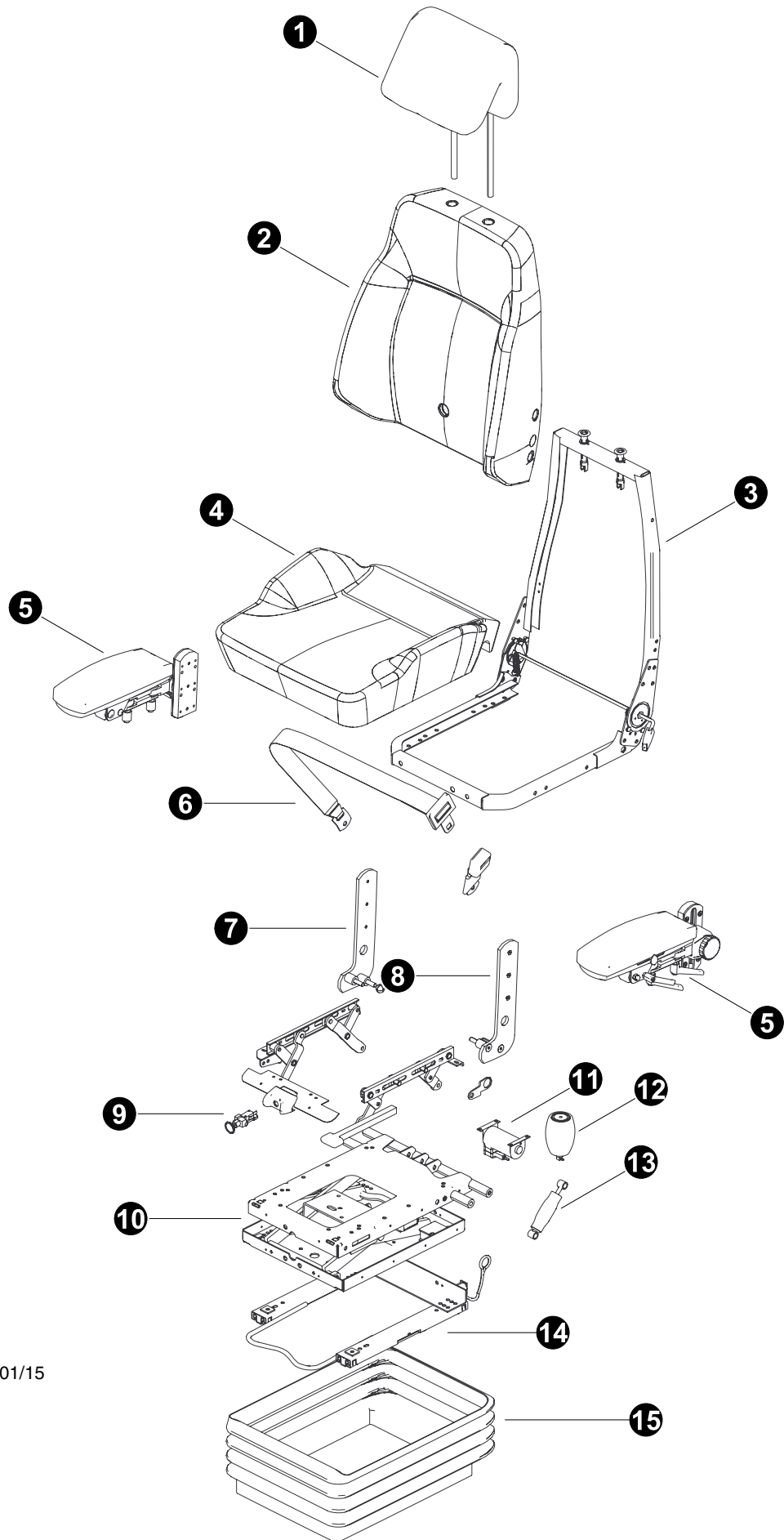
Parts T3993 01/15  
18.75

## 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.

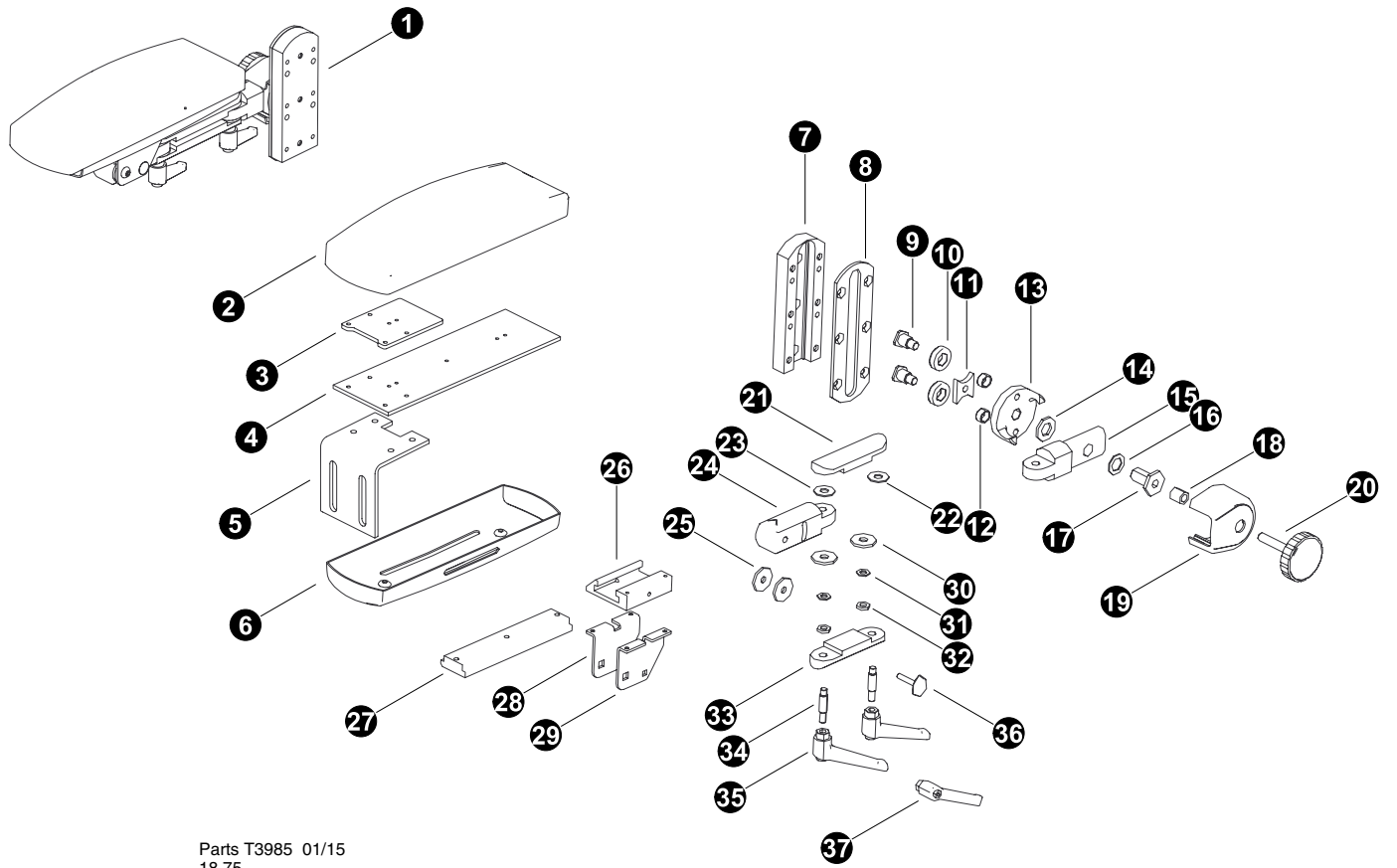


Parts T3986 01/15  
18.75

### OPERATOR'S SEAT BREAKDOWN (KAB - Optional Upgrade)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	53692-OC	1	<input type="checkbox"/> 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	<input type="checkbox"/> 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	<input type="checkbox"/> ARM REST, SITTAB ARMFLEX - RH	
-	55660-OC	1	<input type="checkbox"/> 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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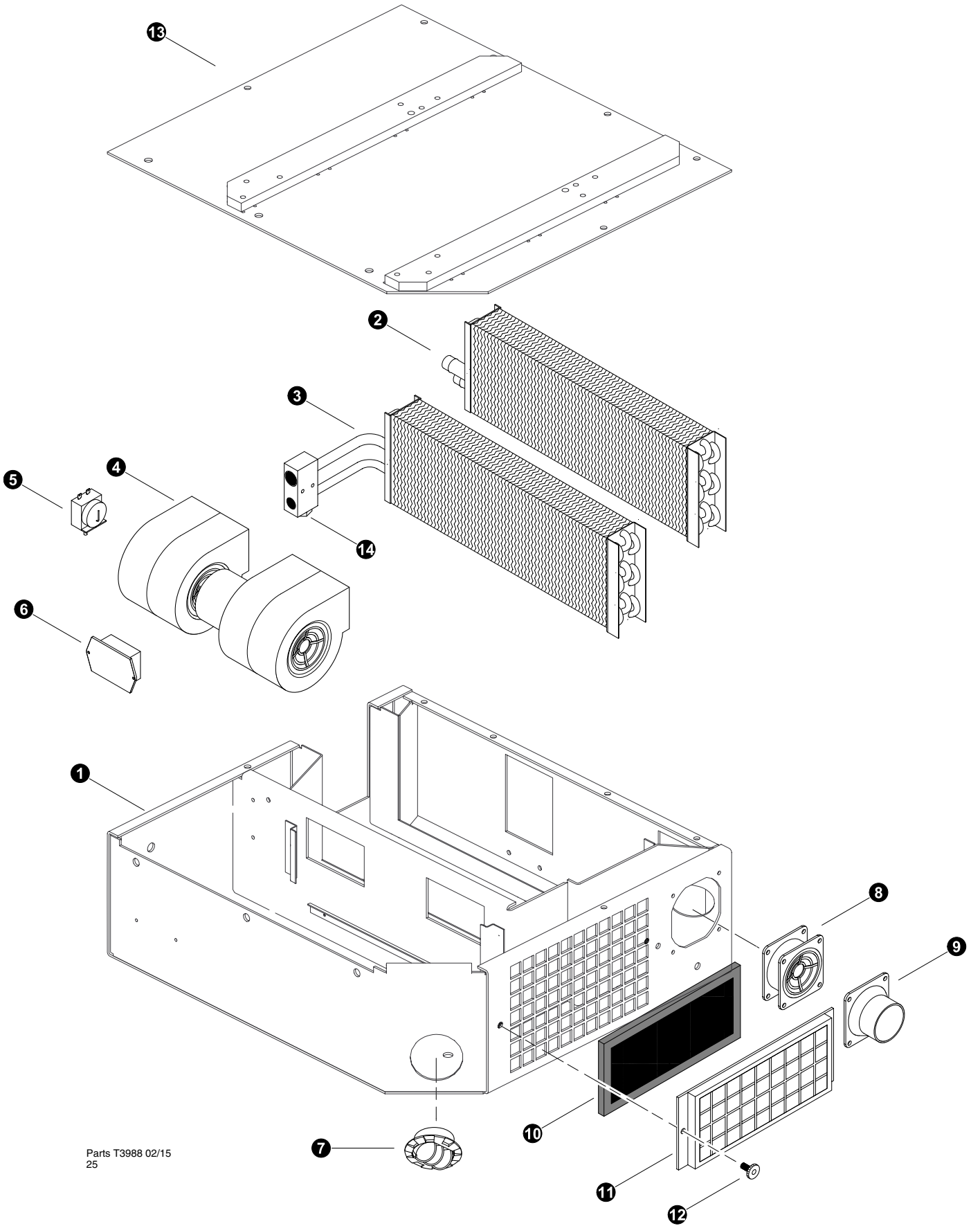
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# ***Section OC-4***

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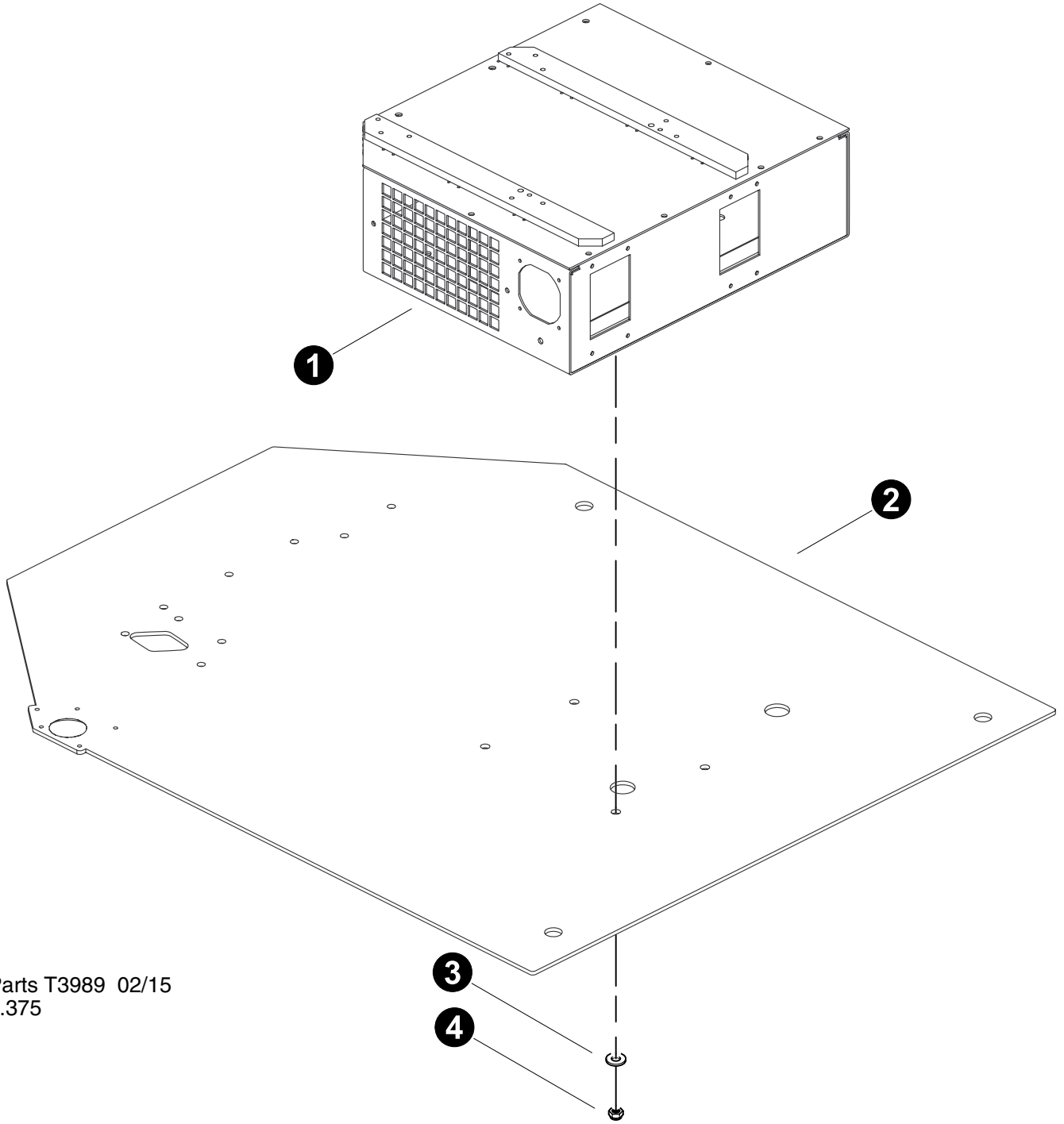
## ***Operator's Cab - Air Conditioner / Heater Unit***



Parts T3988 02/15  
25



**AIR CONDITIONER / HEATER UNIT**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	55226-OC	1	<input type="checkbox"/> 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)	

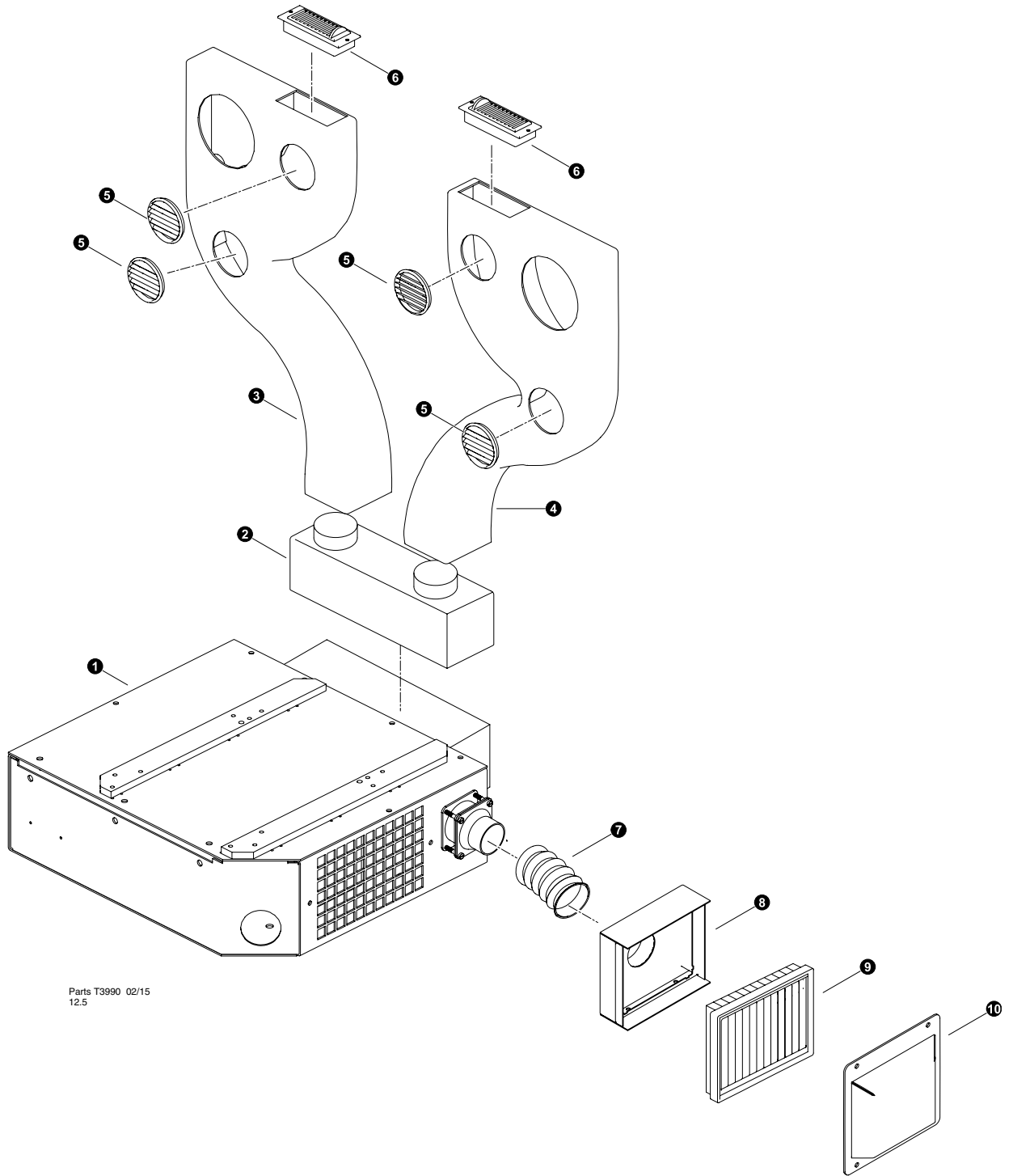


Parts T3989 02/15  
9.375

## 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

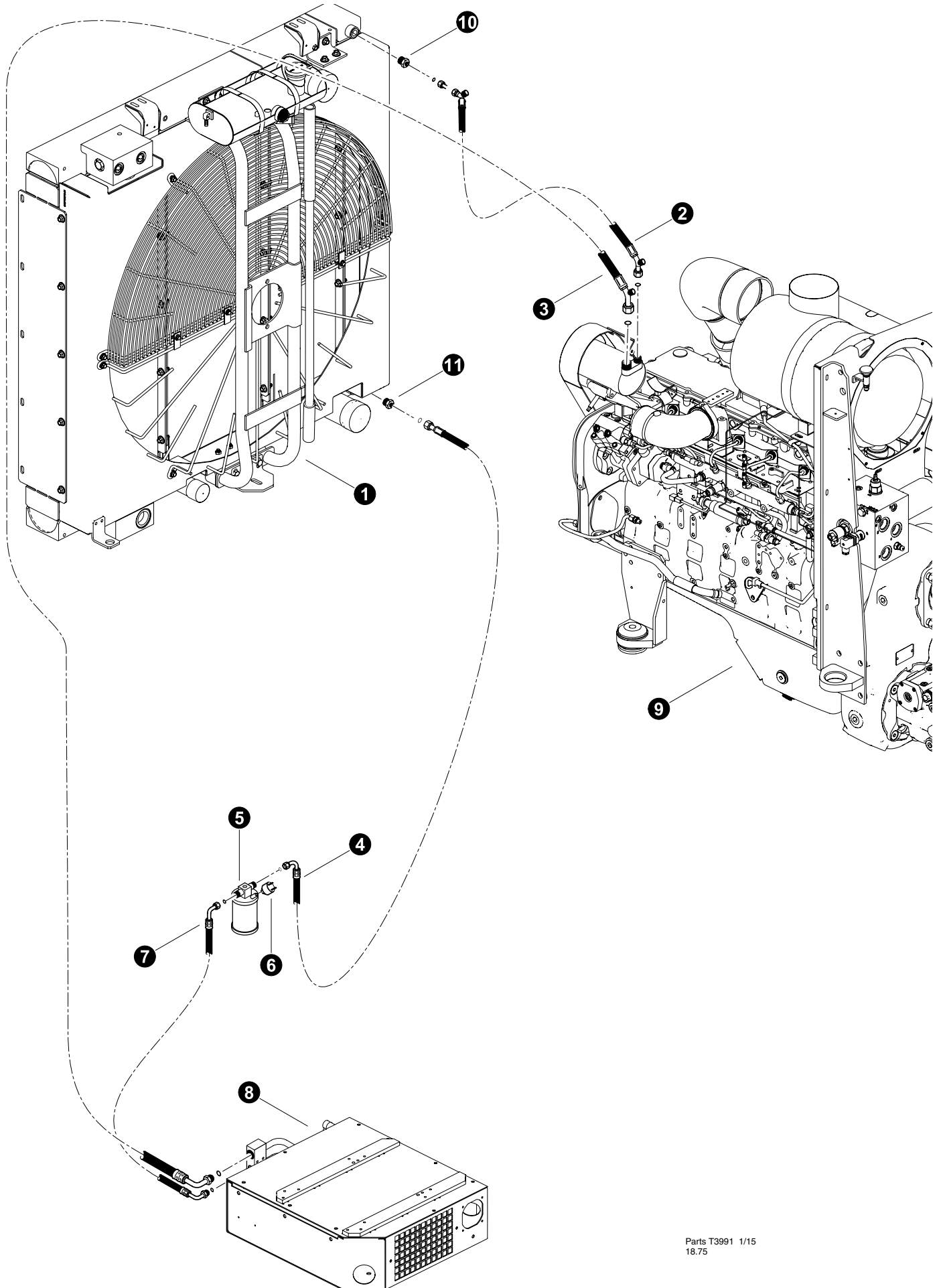


Parts T3990 02/15  
12.5

## AIR CONDITONER / 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.

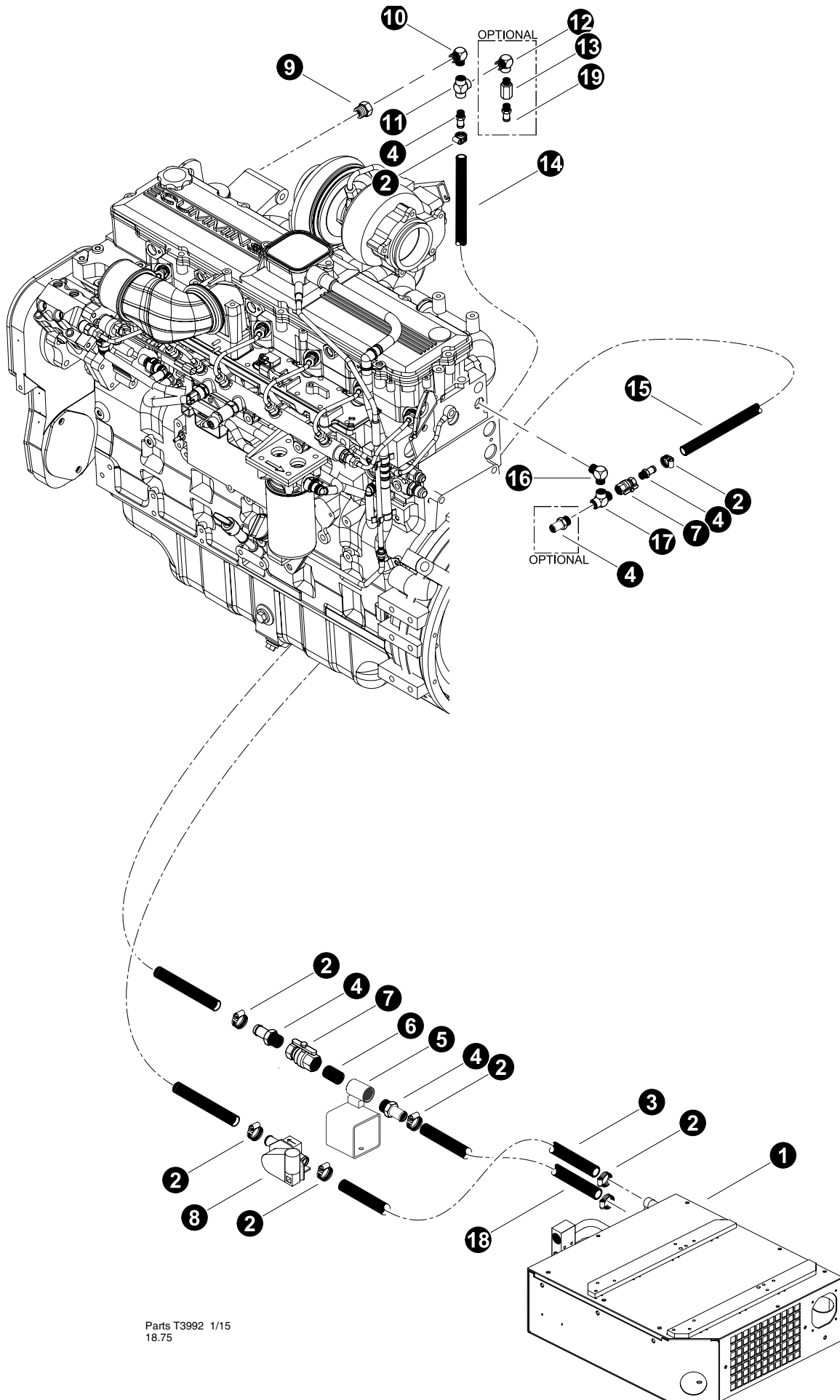


Parts T3991 1/15  
18.75

## 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-314-OC	1	HOSE, air conditioner - #8 x 26.5 " (Female 45° to Female 45°) (Compressor to Condensor inlet)	
-	405863	2	O-RING #08	
3	BH-313-OC	1	HOSE, air conditioner - #12 x 181" (90° Male to 45° Female) (EXPANSION Valve to Compressor Inlet)	
-	405864	2	O-RING #10	
4	-OC	1	HOSE, air conditioner - #6 x 49" (#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-312-OC	1	HOSE, air conditioner - #6 x 59 " (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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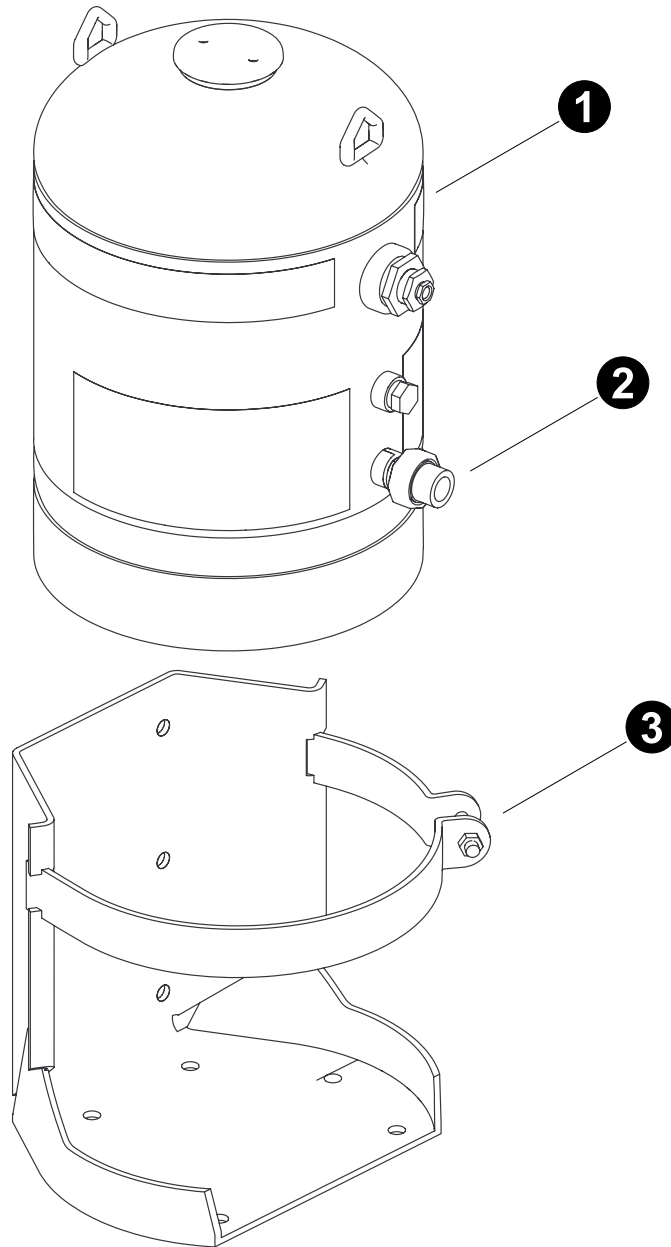
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# ***Section OC-5***

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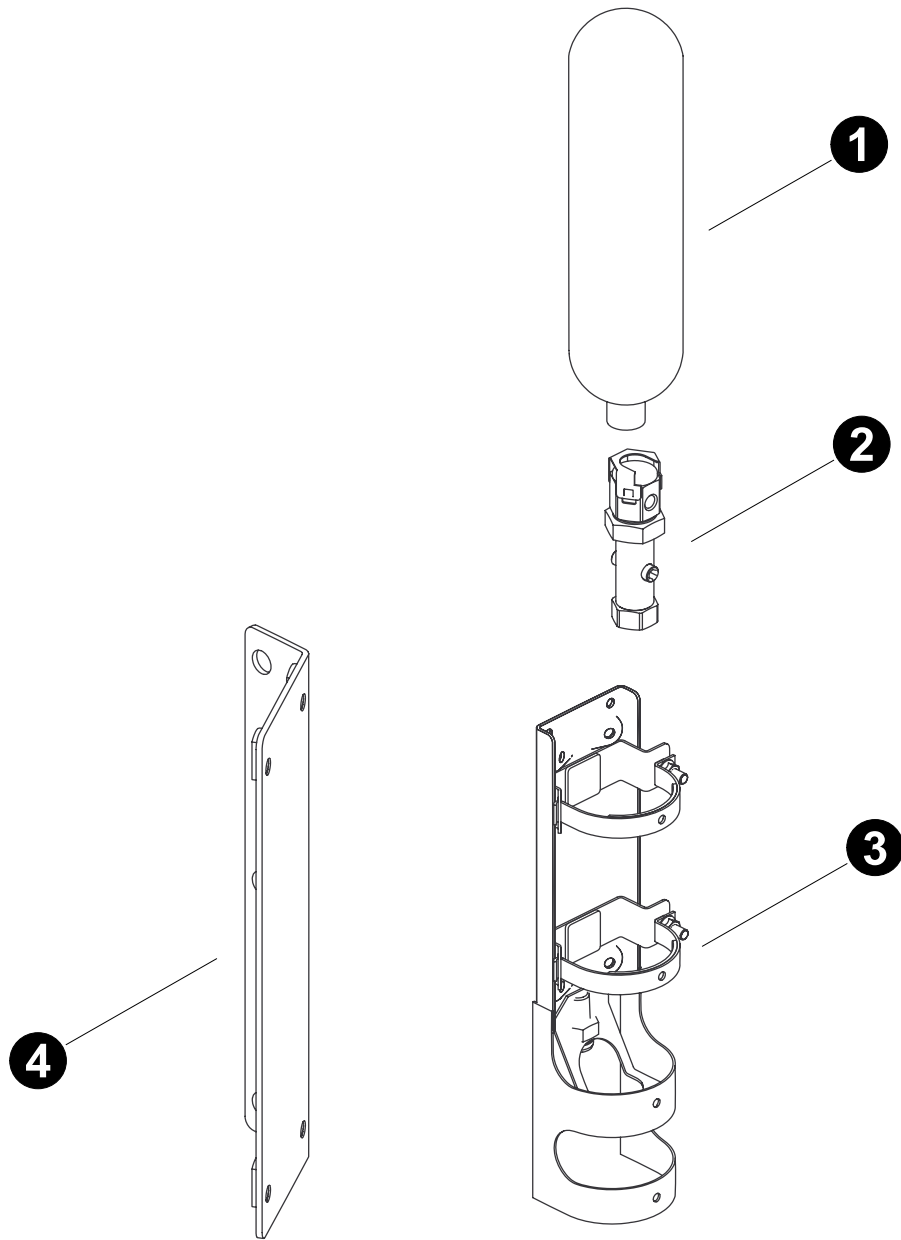
## ***Operator's Cab - Optional Fire Suppression System***



## LVS Fire System Tank

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	439361-OC	1	<input type="checkbox"/>	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	

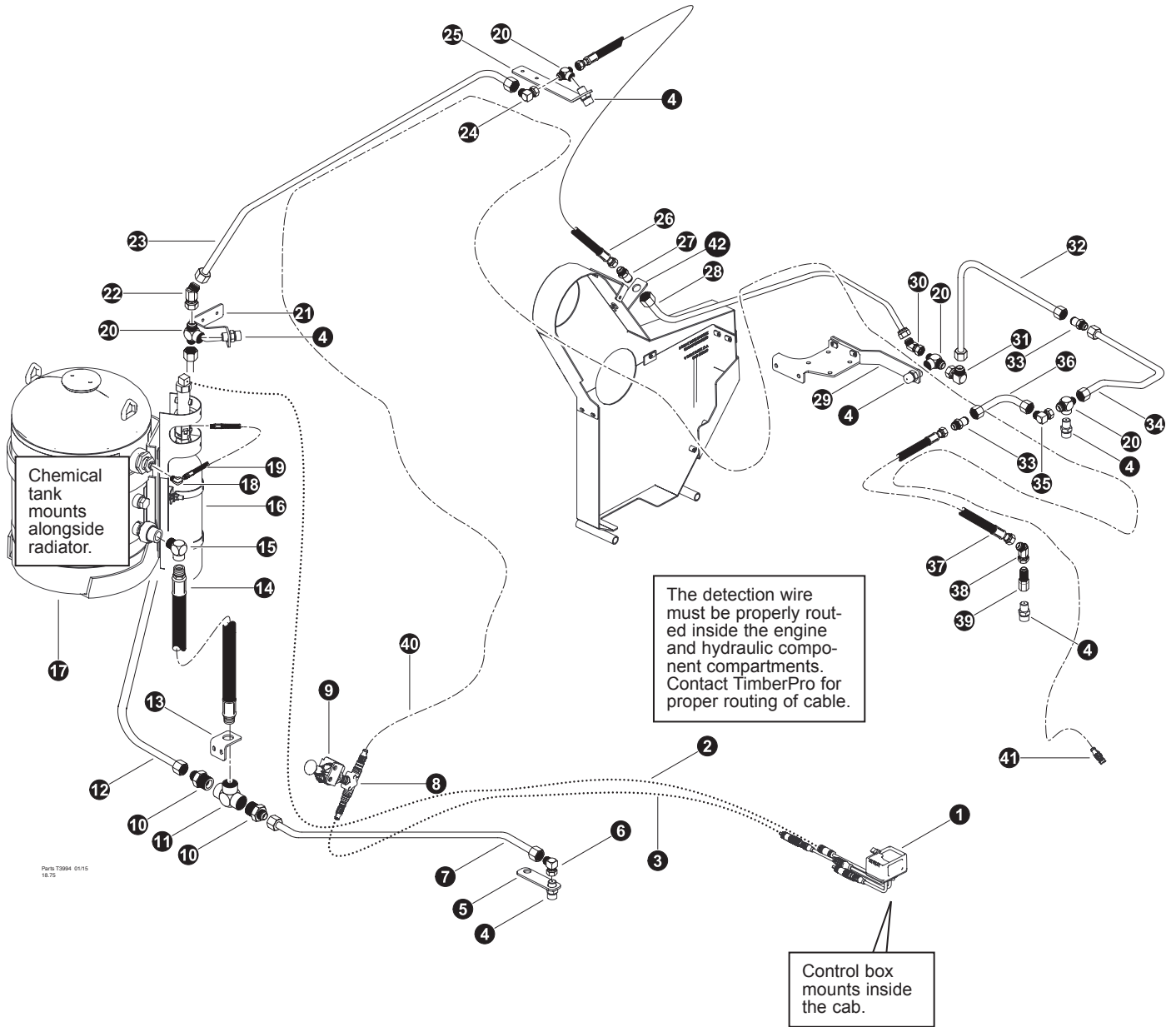
- Kit or Assembly - includes all items indented underneath.



**LVS NITROGEN CYLINDER**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
--	24883-OC	1	<input type="checkbox"/>	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**

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	433325-OC	6	NOZZLE - W/CAP	
5	46501-OC	1	BRACKET, FIRE SUP LVS - ROTARY MANIFOLD	
6	55387-OC	1	FITTING, SWIVEL - 10 C6X-S	
7	55180-OC	1	TUBELINE, FIRE SUPPRESSION Cummins	
8	439394-OC	1	TEE, Detection Circuit	
9	439400-OC	1	Electric, Manual Actuator	
-	440537-OC	1	Bracket, Manual Actuator	
10	16444-OC	2	CONNECTOR, STR - 2404-10-12	
11	55377-OC	1	TEE, FIRE SUPPRESSION - 3/4" NPT	
12	55239-OC	1	TUBELINE, FIRE SUPPRESSION Cummins	
13	46506-OC	1	BRACKET, FIRE SUP LVS - COOLER LOWER	
14	-OC	1	HOSE ASSEMBLY FS2033-12-12MP-12PS	
15	53148-OC	1	FITTING, 3/4" MALE - 3/4" FEMALE	
16	REF	1	LVS NITROGEN CYLINDER . . . . .	OC-5
17	REF	1	LVS-10 TANK. . . . .	OC-5
18	10320-OC	1	ELBOW, 90 SWIVEL - 1501-4-4	
19	-OC	1	HOSE ASSEMBLY FS2008.5-04-04MP-04PS	
20	55424-OC	4	FITTING, FEMALE BRANCH TEE	
21	46505-OC	1	BRACKET, FIRE SUP LVS - COOLER FRONT	
22	15241-OC	1	ELBOW, 45 SWIVEL - 6502-10	
23	55355-OC	1	TUBELINE, FIRE SUPPRESSION Cummins	
24	55387-OC	1	FITTING, SWIVEL - 10 C6X-S	
25	46504-OC	1	BRACKET, FIRE SUP LVS - COOLER REAR	
26	-OC	1	HOSE ASSEMBLY FR2024-10-10JS-10JS	
27	17008-OC	1	CONNECTOR, STR BULKHEAD - 2700-10	
28	55291-OC	1	TUBELINE, FIRE SUPPRESSION Cummins	
29	46502-OC	1	BRACKET, FIRE SUP LVS - WATER FILTER	
30	15241-OC	1	ELBOW, 45 SWIVEL - 6502-10	
31	55387-OC	1	FITTING, SWIVEL - 10 C6X-S	
32	55290-OC	1	TUBELINE, FIRE SUPPRESSION Cummins	
33	17008-OC	1	CONNECTOR, STR BULKHEAD - 2700-10	
34	55288-OC	1	TUBELINE, FIRE SUPPRESSION Cummins	
35	17008-OC	1	CONNECTOR, STR BULKHEAD - 2700-10	
36	55289-OC	1	TUBELINE, FIRE SUPPRESSION Cummins	
37	-OC	1	HOSE ASSEMBLY FR2052-10-10JS-10JS	
38	15241-OC	1	ELBOW, 45 SWIVEL - 6502-1	
39	55357-OC	1	FITTING, 10 WGTX-WLN-S	
40	439410-OC	1	Detection Circuit Wire 30'	
41	439396-OC	1	End of line connector	
42	46507-OC	1	BRACKET, FIRE SUP LVS - FAN SHROUD	



See reference page for component or assembly breakdown.

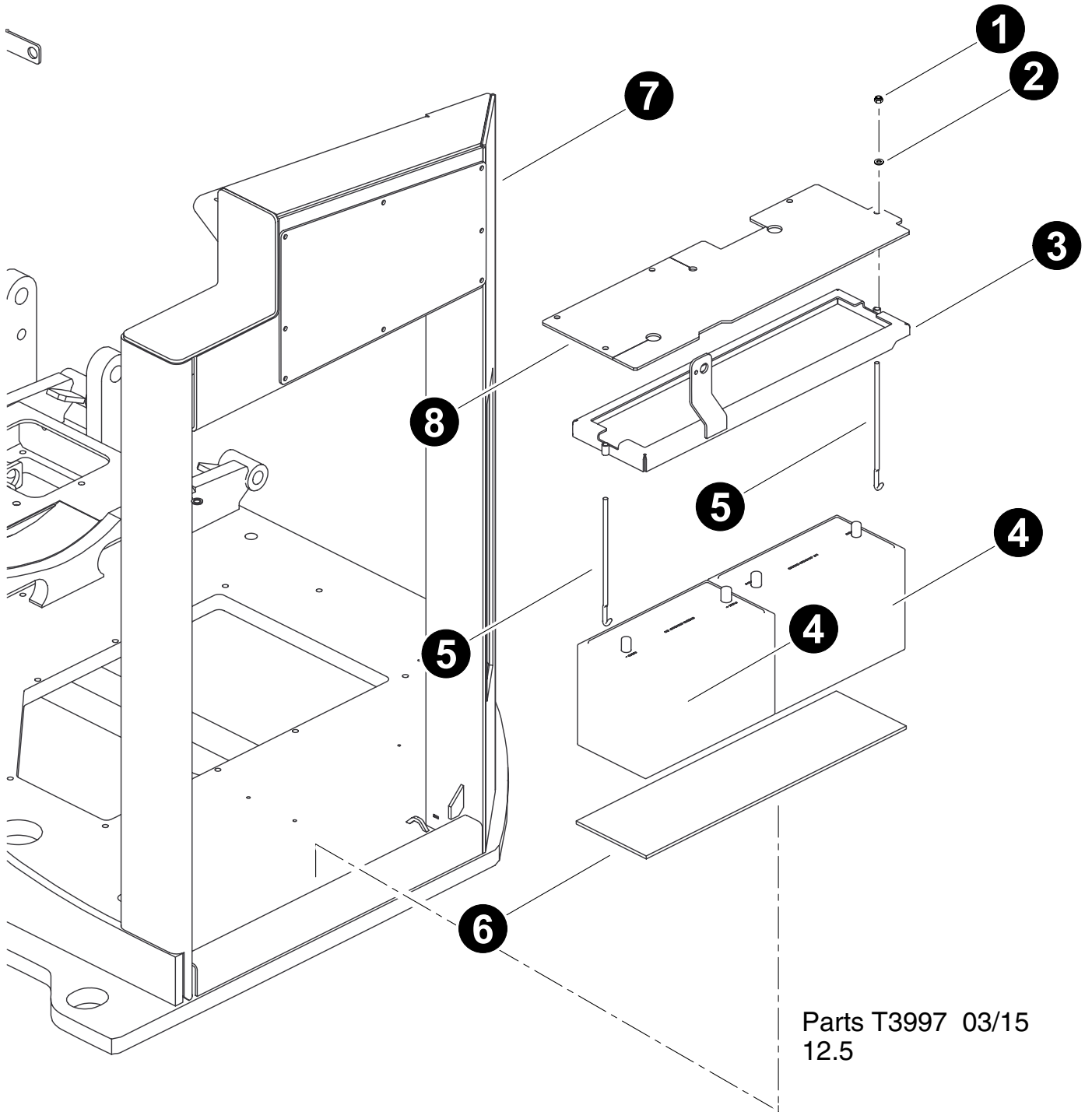
**IMPORTANT NOTE !** Detection wire needs to be properly routed and isolated away from high temperature items (turbo & exhaust). Improper routing of the detection wire could cause system to not detect fire and to not operate properly. Wire also needs to be properly isolated away from items that could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




# ***Section ES-1***

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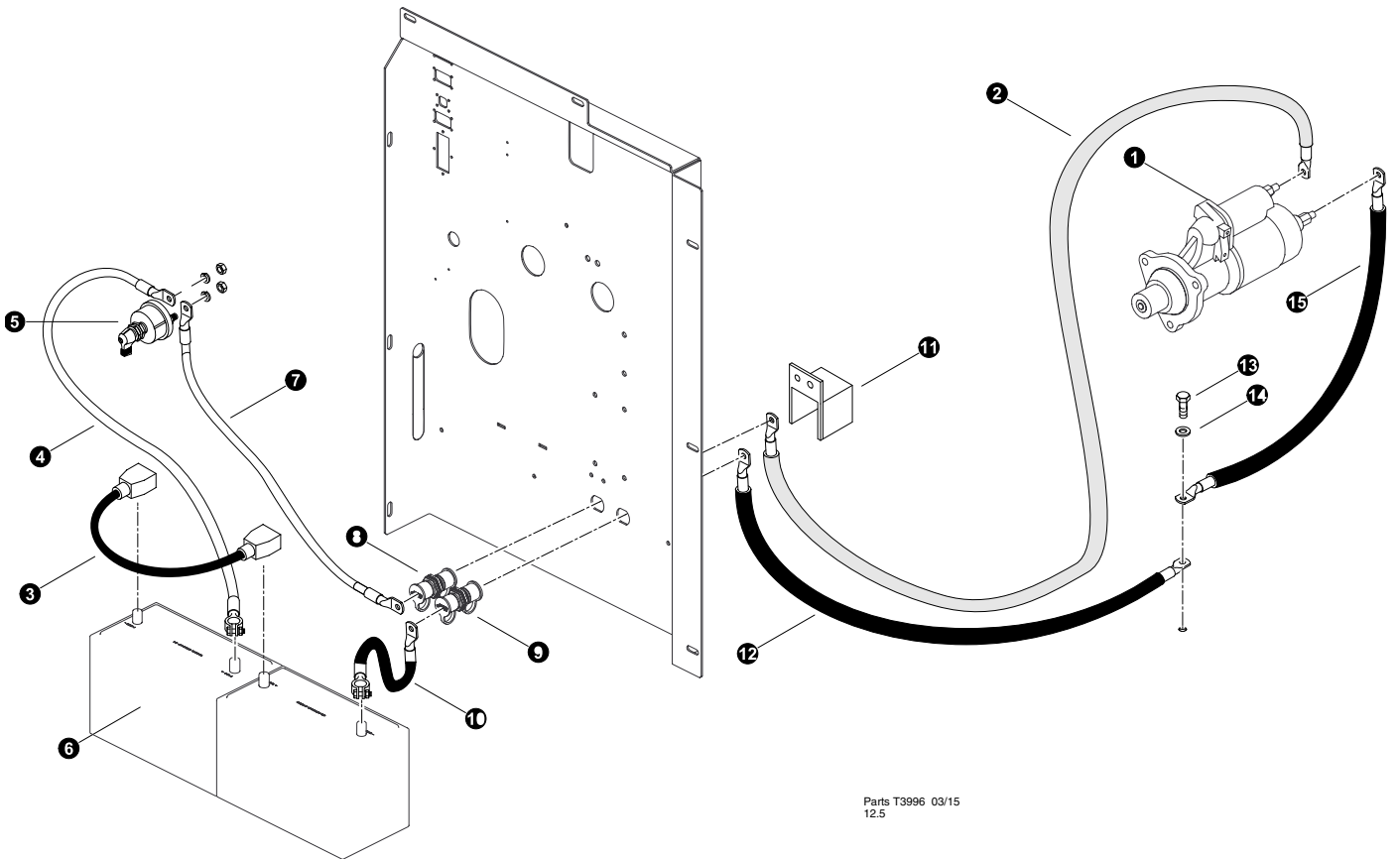
## ***Electrical System - Engine Compartment***



## 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.

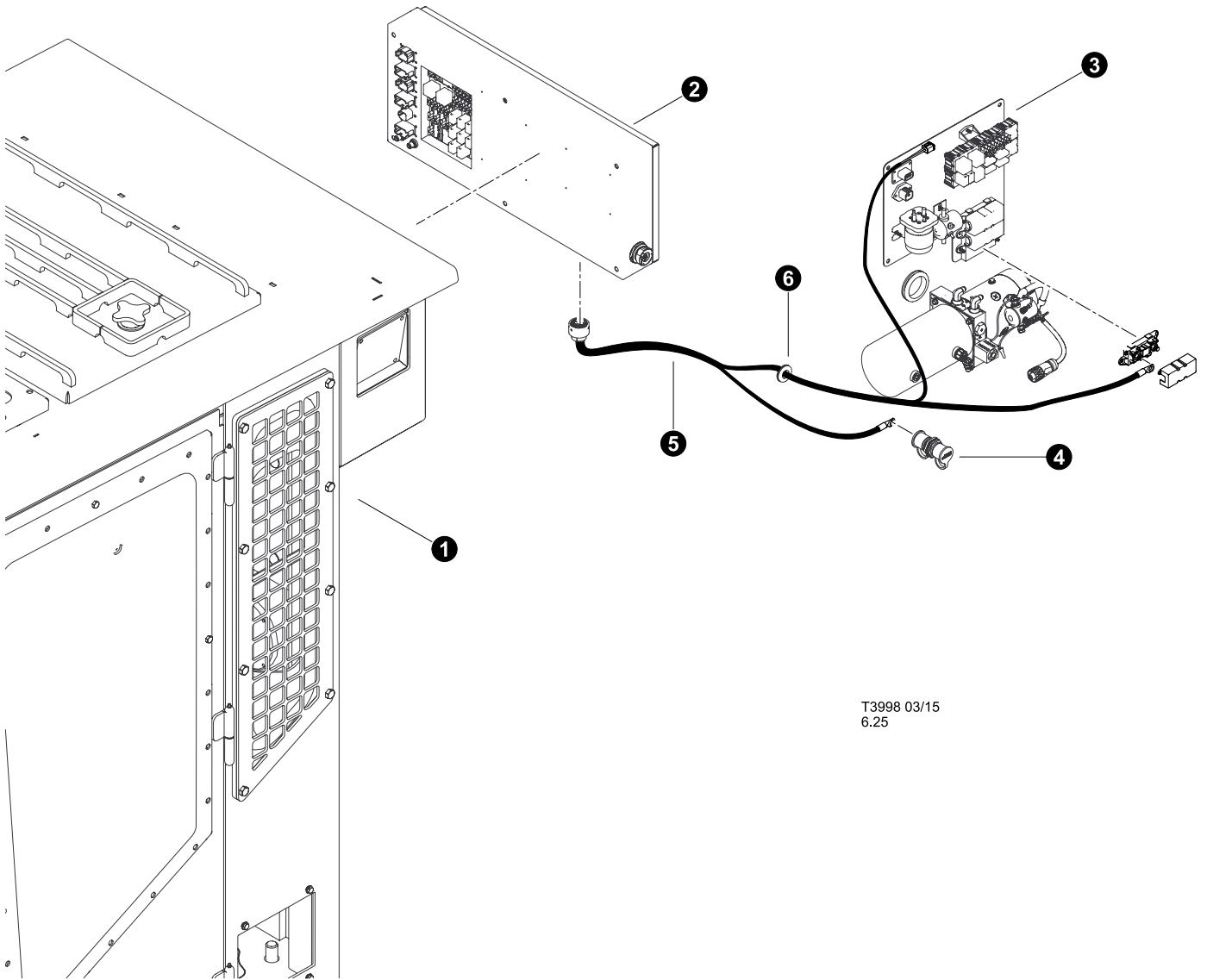


Parts T3996 03/15  
12.5

## ENGINE ELECTRICAL SYSTEM Battery Cables




REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 STARTER .....	EE
2	55327-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	55337-ES	1	CABLE, BATTER to GROUND STUD	
11	54614-ES	1	COVER, Positive battery post	
12	55329-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	55328-ES	1	CABLE, Upper Frame Grounding Bolt to Starter Ground	


 See referenced page for component or assembly breakdown.

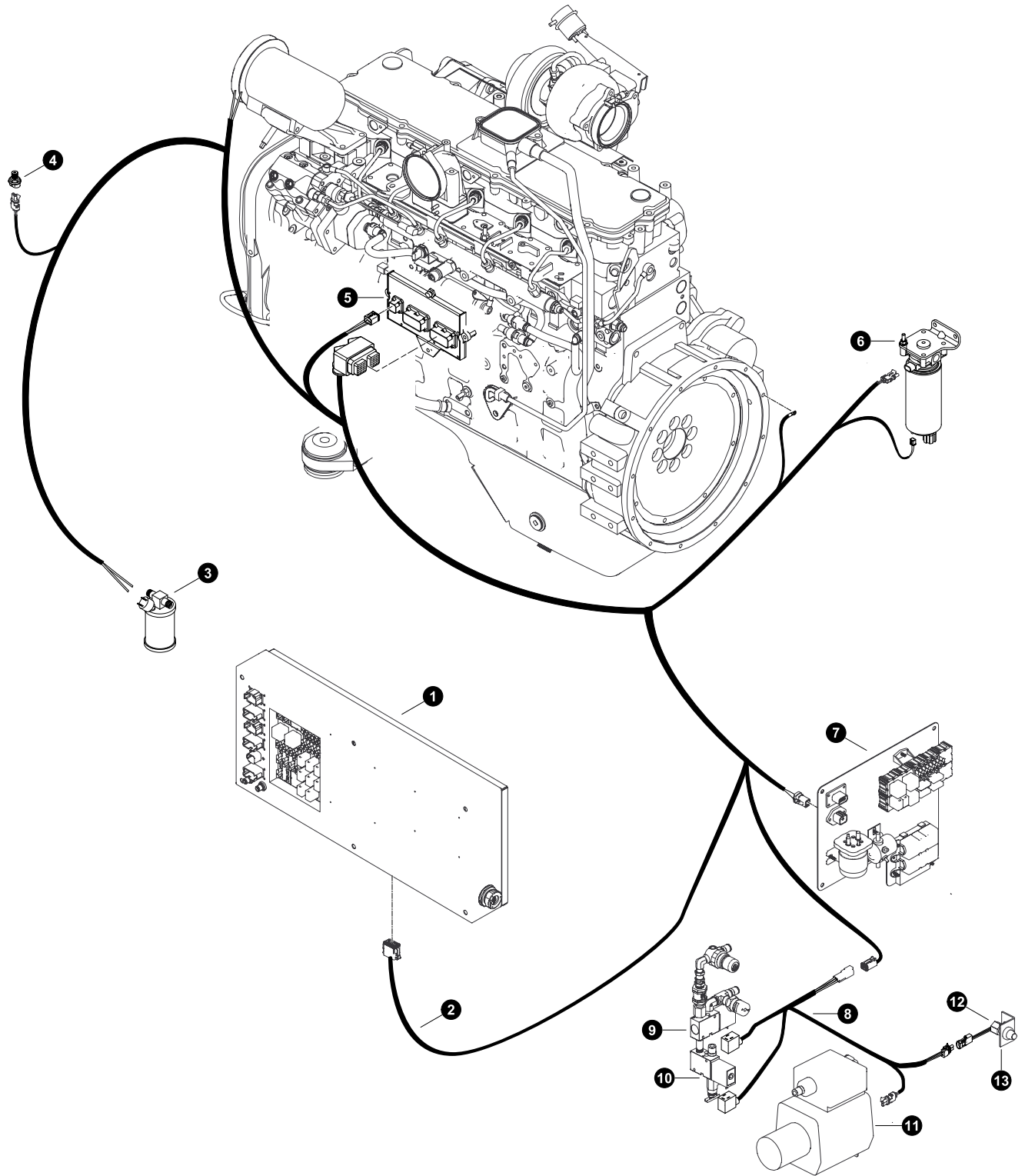


T3998 03/15  
6.25








## 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	

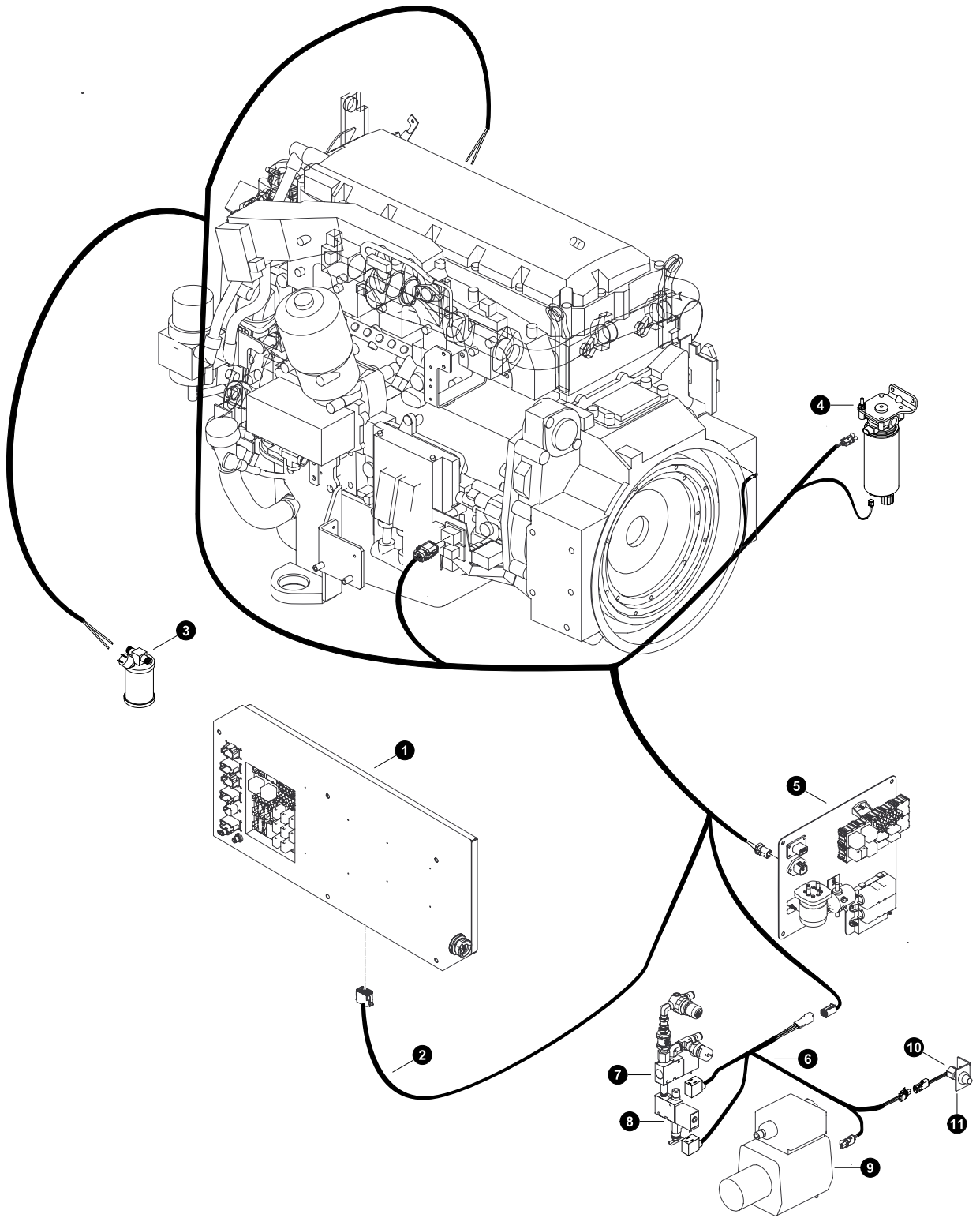
 See referenced page for component or assembly breakdown.









**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	55191-ES	1	HARNESS, Engine - Tier3 Cummins C Series	
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	

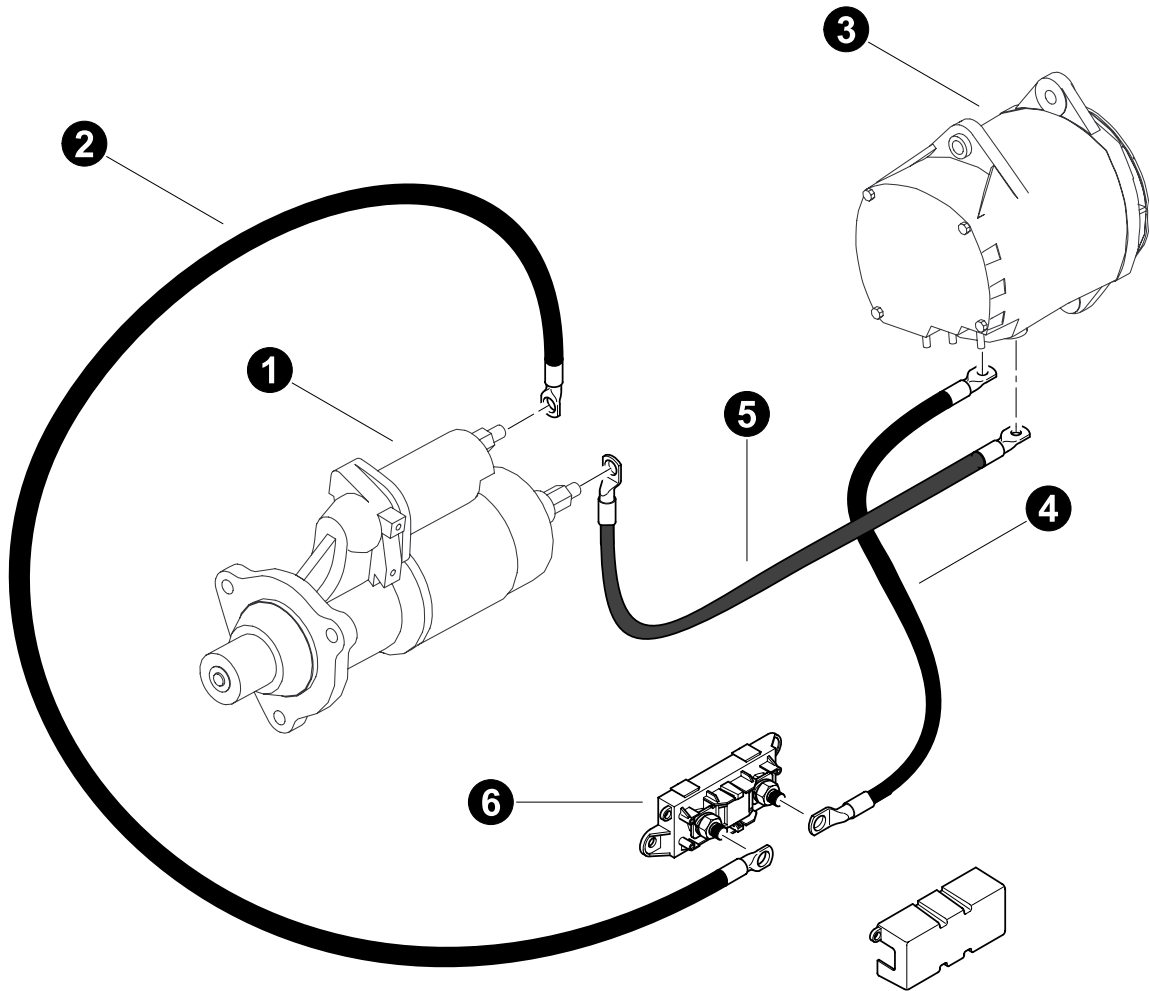
 See referenced page for component or assembly breakdown.



**ENGINE ELECTRICAL SYSTEM**  
**Main Engine Electrical Harness**  
**(Volvo Tier4)**



REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		CAB ELECTRICAL CENTER . . . . .	ES-2
2	55191-ES	1		HARNESS, Engine - Tier3 Cummins C Series	
3	REF	1		DRIER, AC System . . . . .	OC-3
4	52661-ES	1		SENSOR, LOW COOLANT - TIER 3	
5	REF	1		FUEL HEATER / FILTER ASSEMBLY . . . . .	EE-1
6	REF	1		ENGINE ELECTRICAL CENTER . . . . .	ES-1
7	55193-ES	1		HARNESS, VAC VENT Fill - C Series	
8	REF.	1		VACUUM VALVE . . . . .	UP-2
9	REF.	1		VENT VALVE . . . . .	UP-2
10	REF.	1		VACUUM PUMP . . . . .	UP-2
11	25104-ES	1		SWITCH, FILL PUMP	


 See referenced page for component or assembly breakdown.

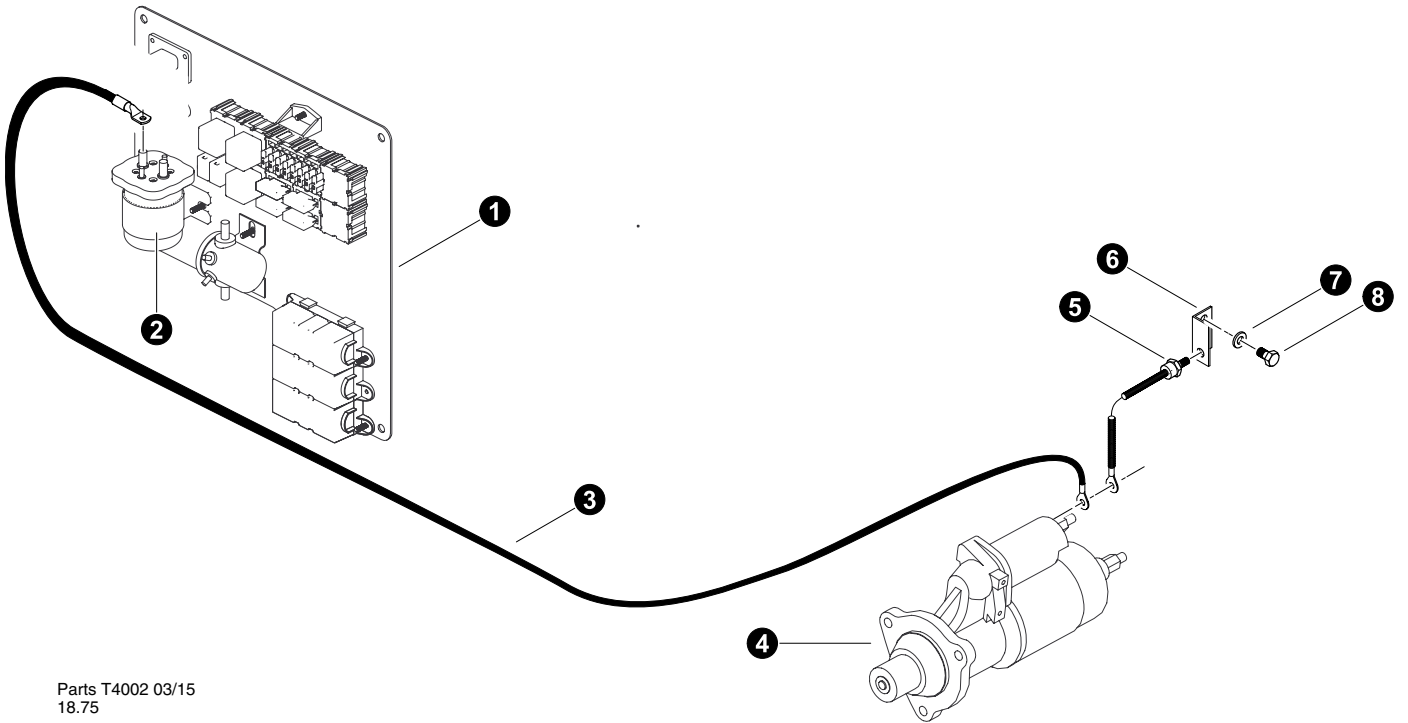


Parts T4000 03/15  
18.75

## 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	1	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.

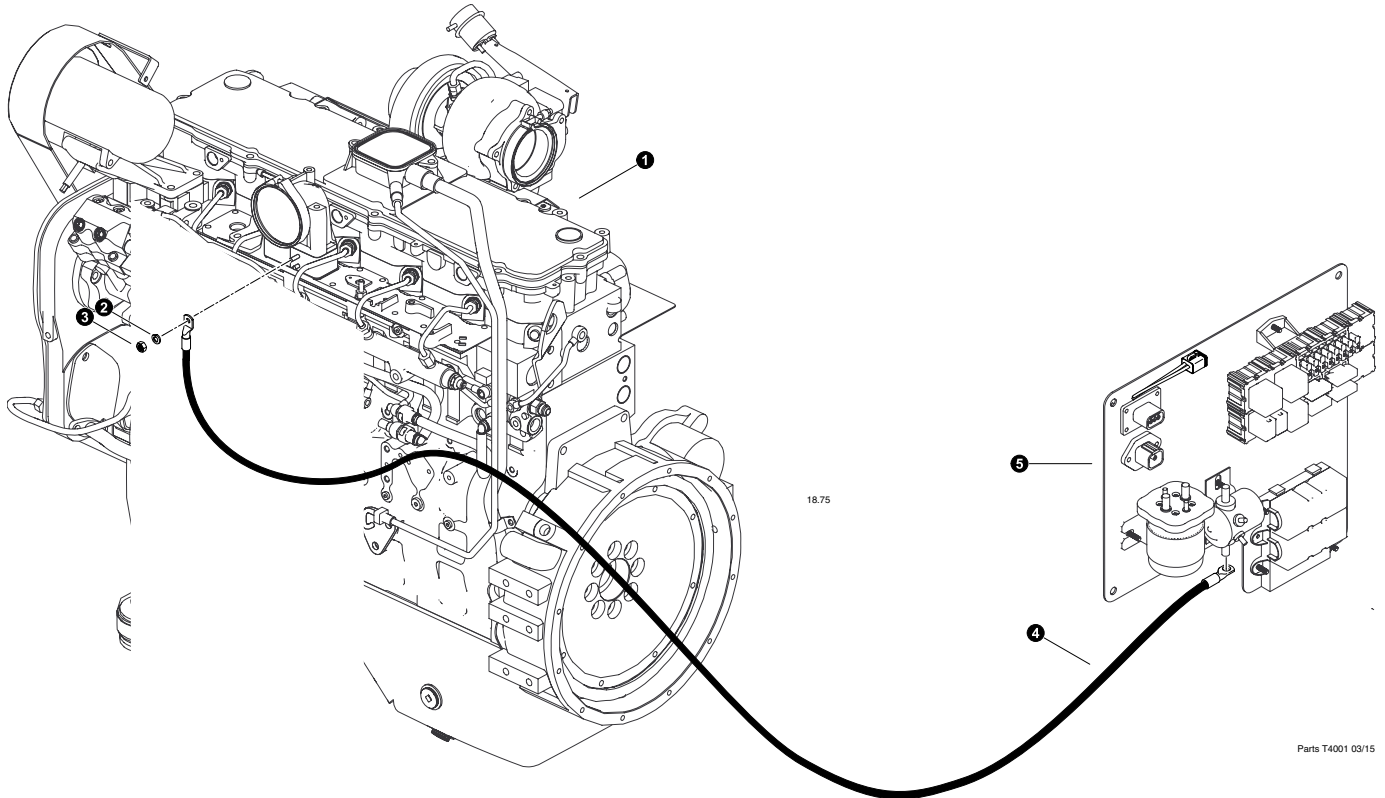


Parts T4002 03/15  
18.75

**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	55194-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.

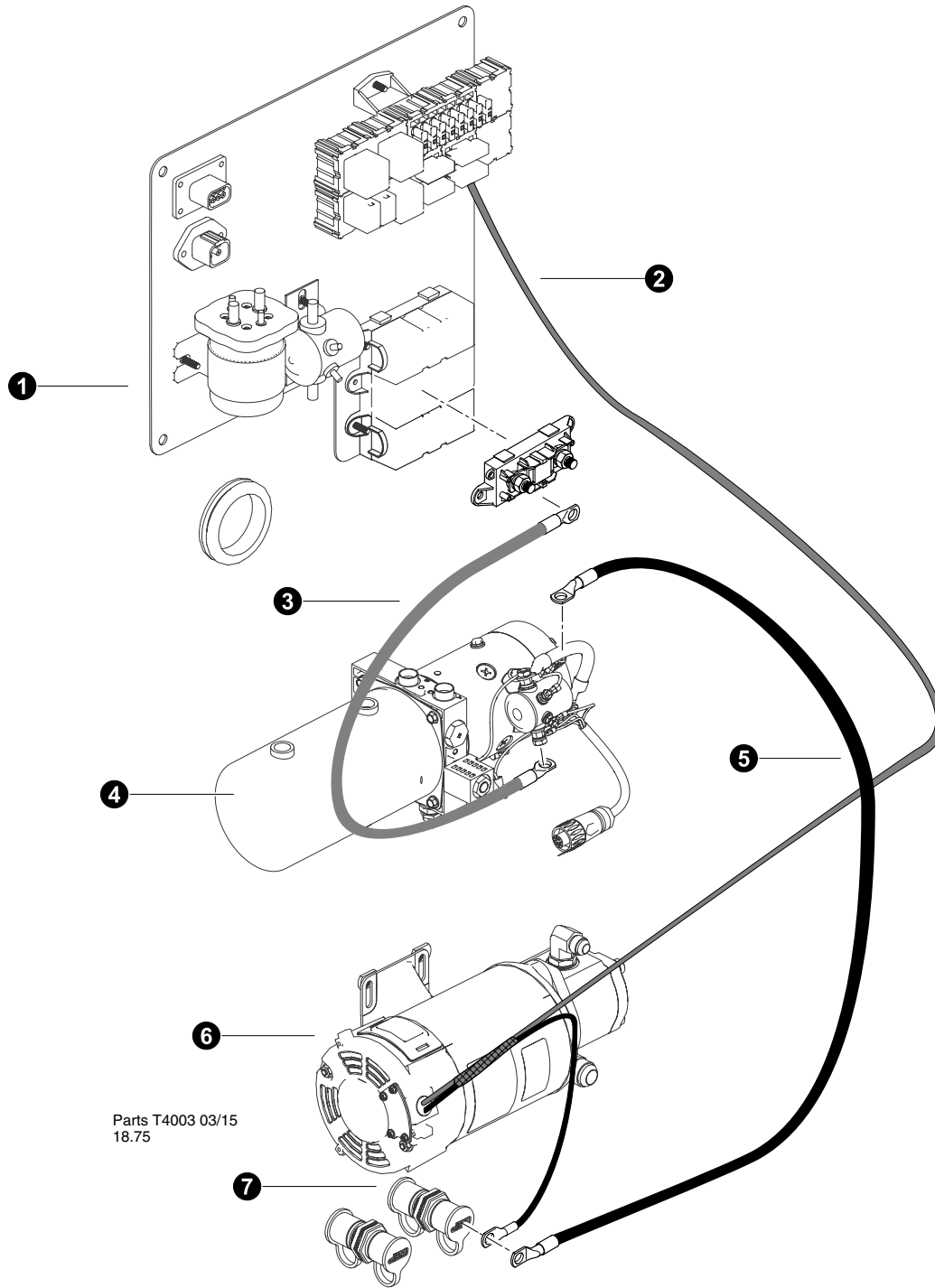


Parts T4001 03/15

**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	55446-ES	1		CABLE, GRID HEATER (C-Series)	
5	REF.	1		ENGINE ELECTRICAL CENTER ASSEMBLY.....	ES-1

 See referenced page for component or assembly breakdown.



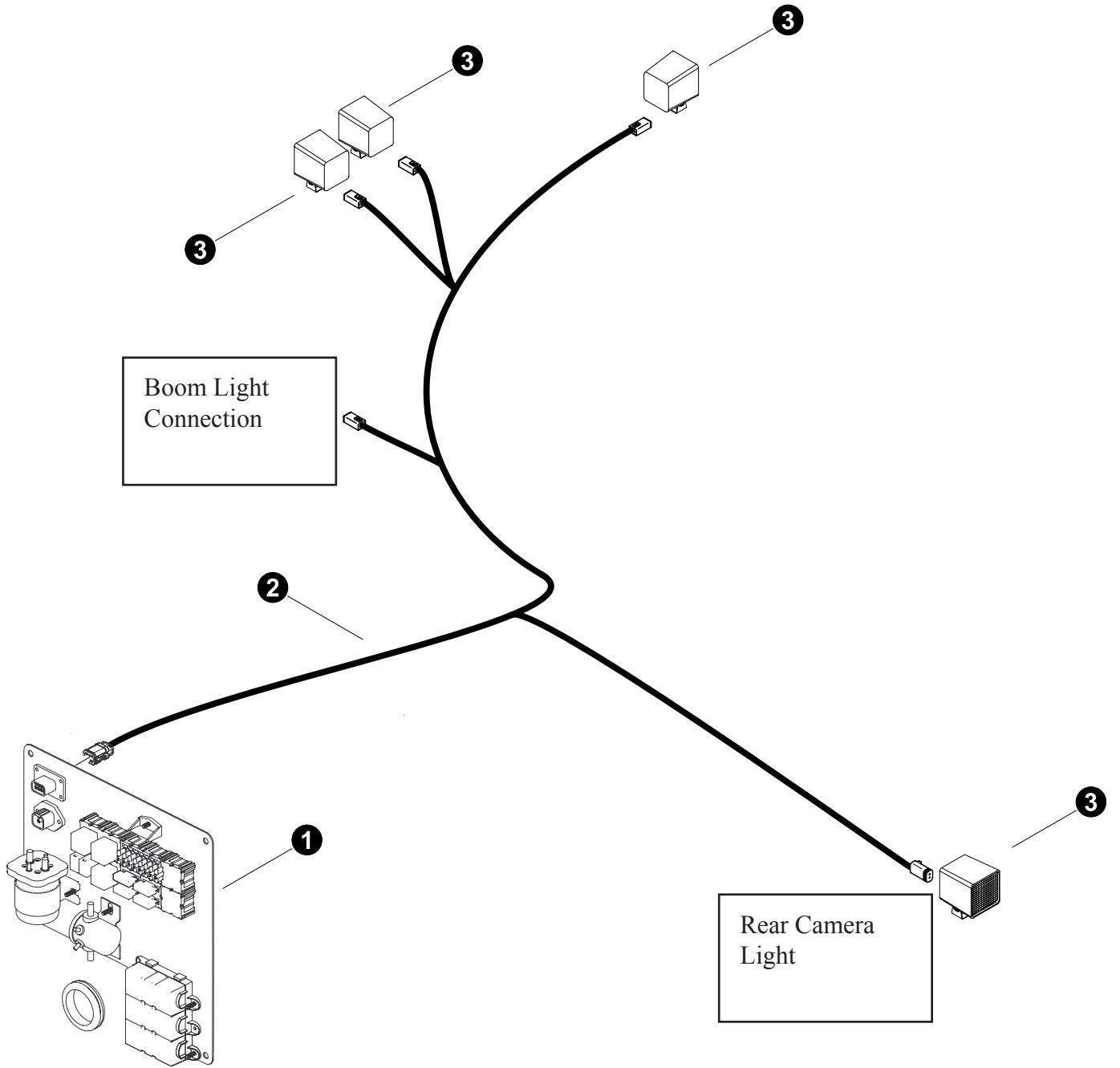
Parts T4003 03/15  
18.75

## ENGINE ELECTRICAL SYSTEM

### Fill Pump and Gull Wing Lift Pump Harness



REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1	<input type="checkbox"/>	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	<input type="checkbox"/>	GULLWING DOOR LIFT PUMP .....	UP-1
5	55336-ES	1		BH Panel Ground Lug to Lift Pump	
6	REF	1	<input type="checkbox"/>	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.

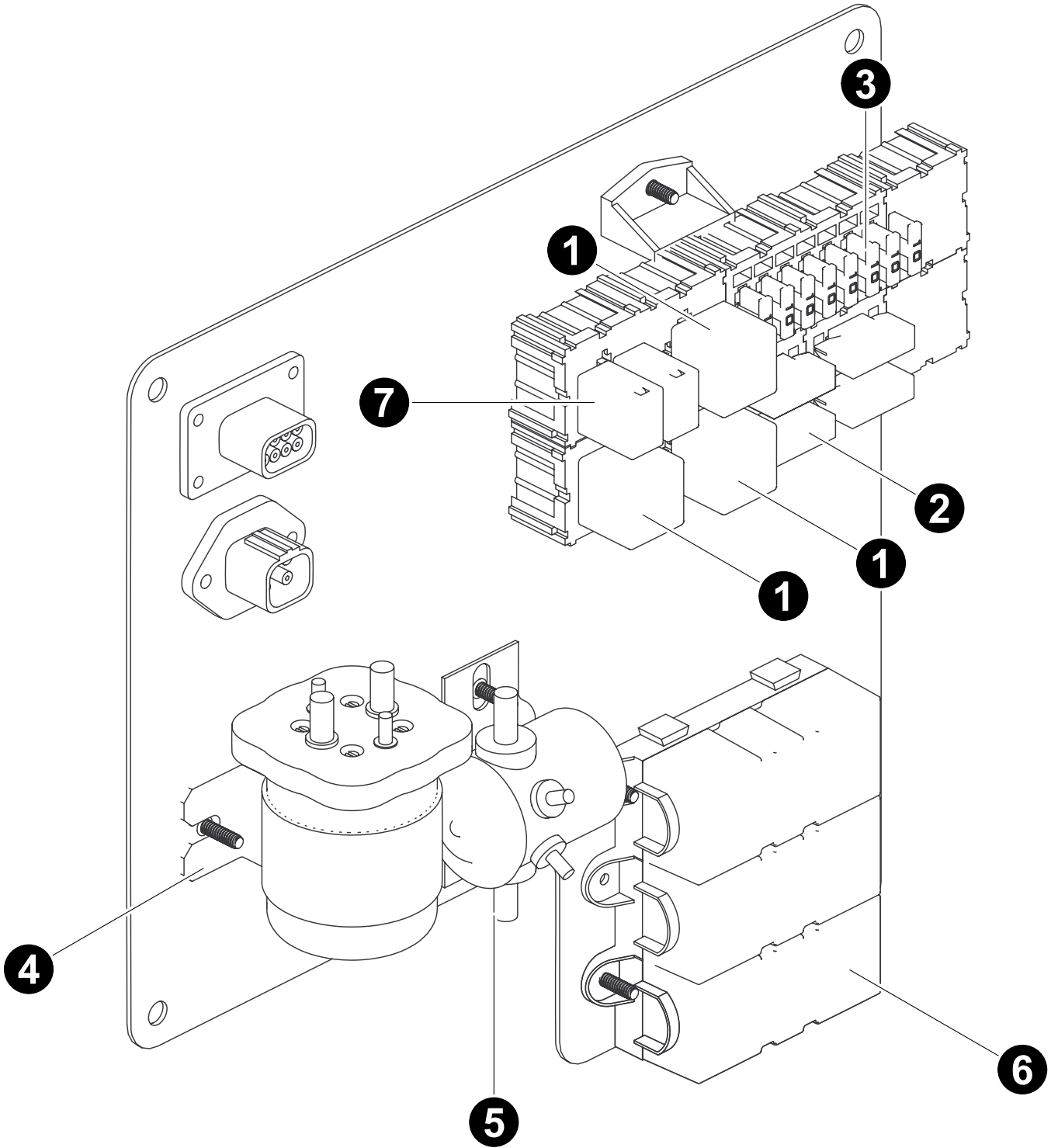


Parts T4004 03/15  
18.75

## FRONT DOOR, BOOM and REAR LIGHT HARNESSES

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ENGINE ELECTRICAL CENTER ASSEMBLY.....	ES-1
2	54542-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	<input type="checkbox"/> 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)	

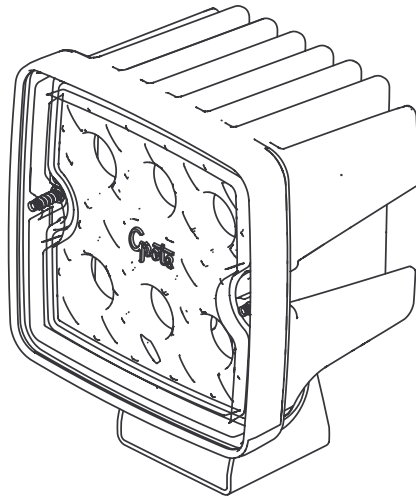


See referenced page for component or assembly breakdown.

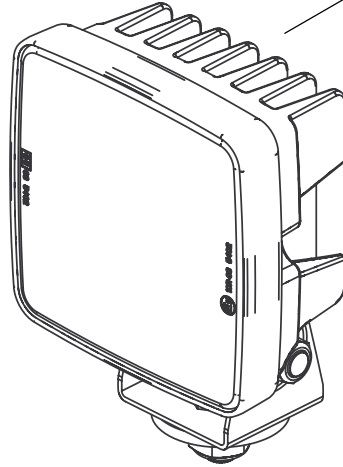


Assembly that includes all items indented below.

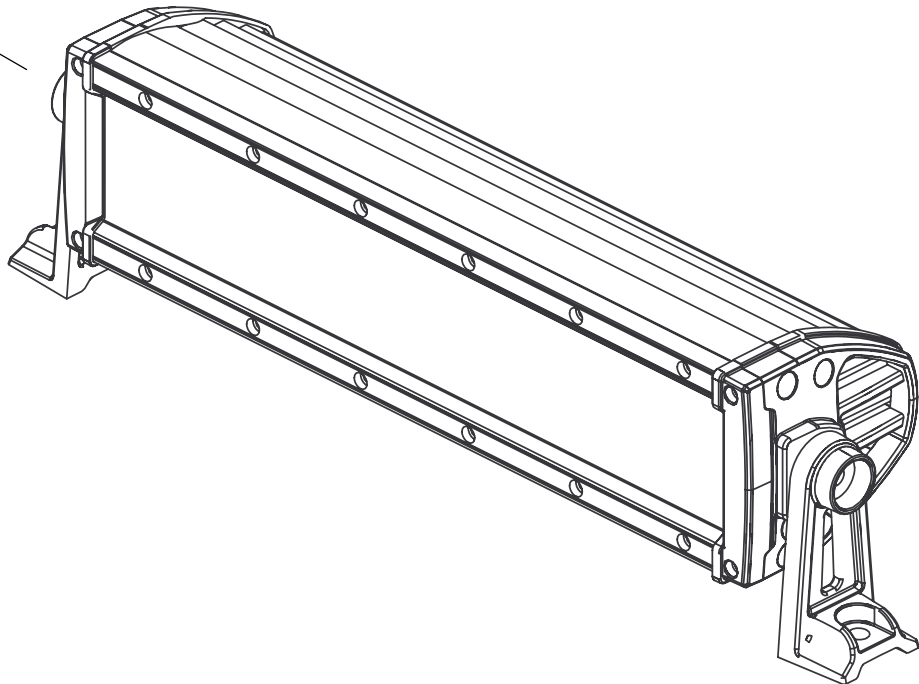
1



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.



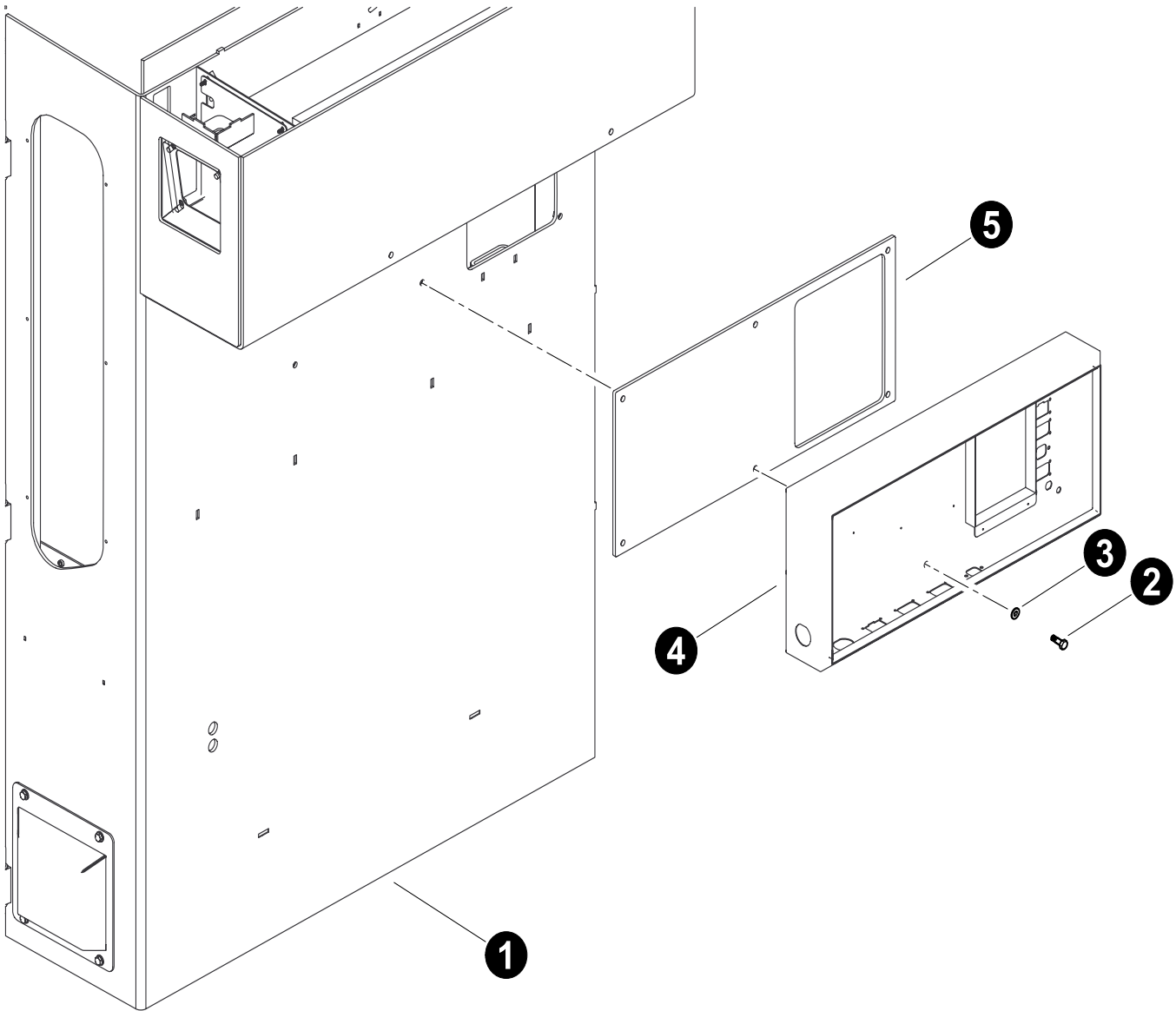
Assembly that includes all items indented below.



# ***Section ES-2***



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## ***Electrical System - Operator's Cab***

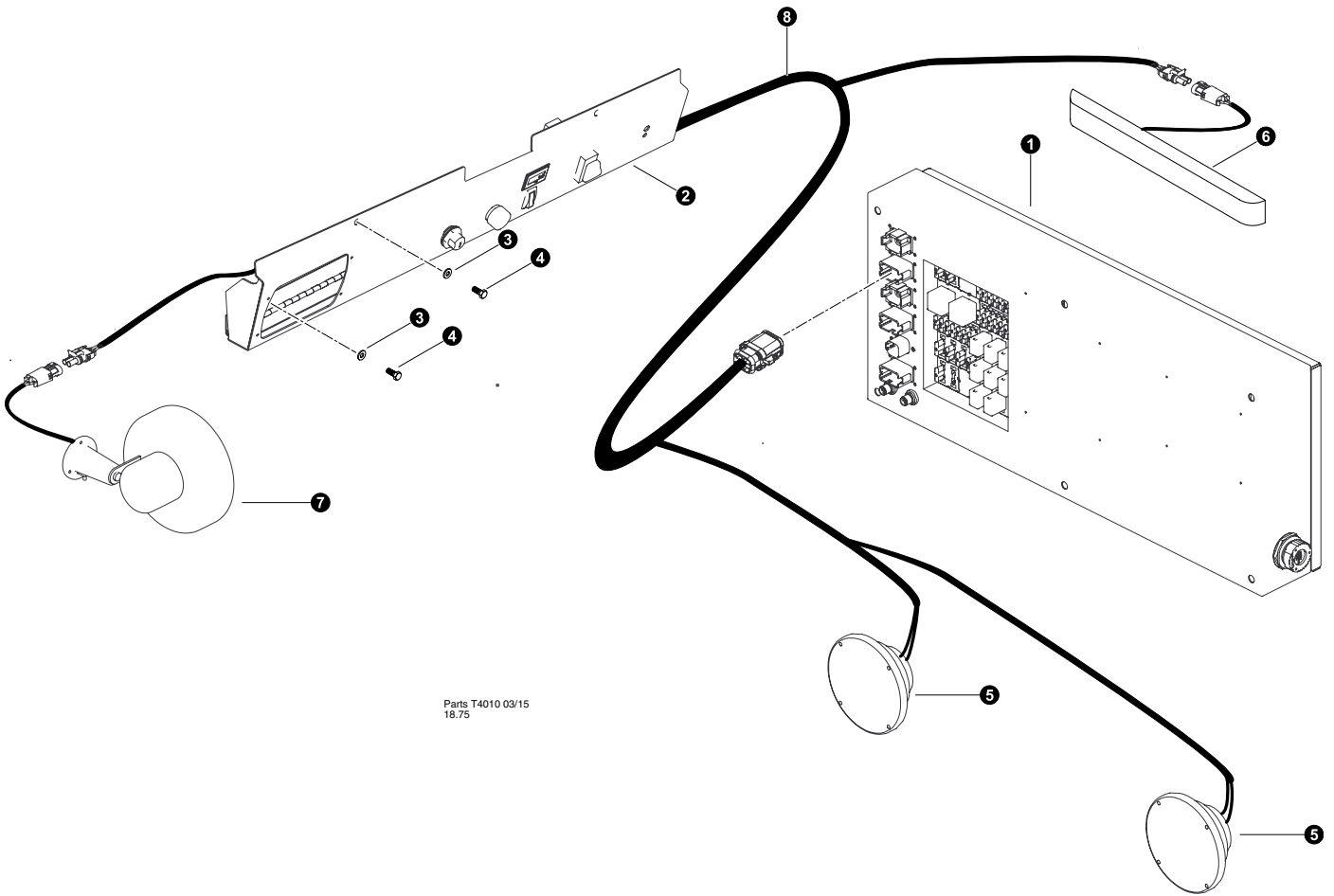


Parts T4009 03/15  
18.75

## 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.

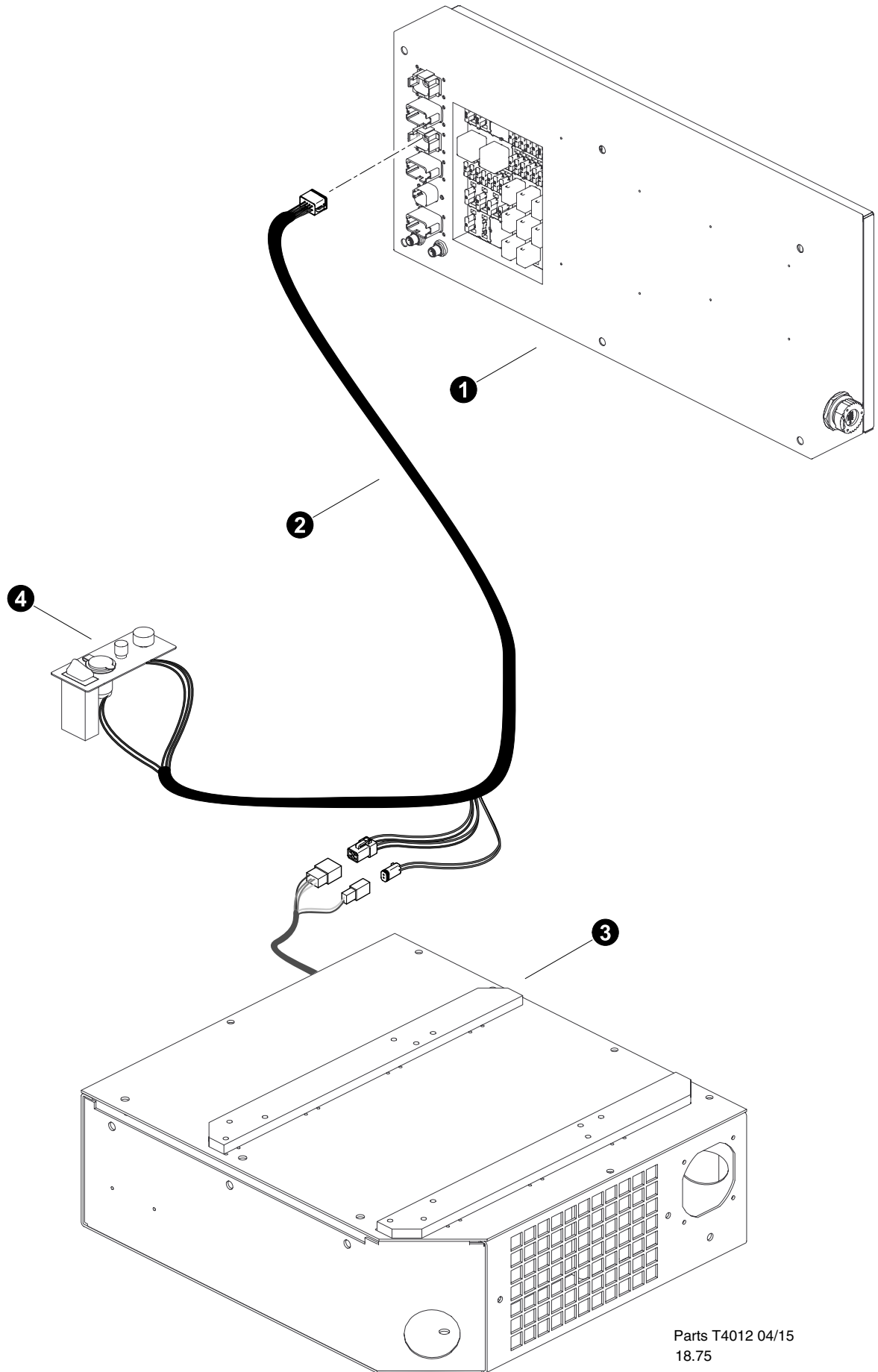


Parts T4010 03/15  
18.75

## 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.

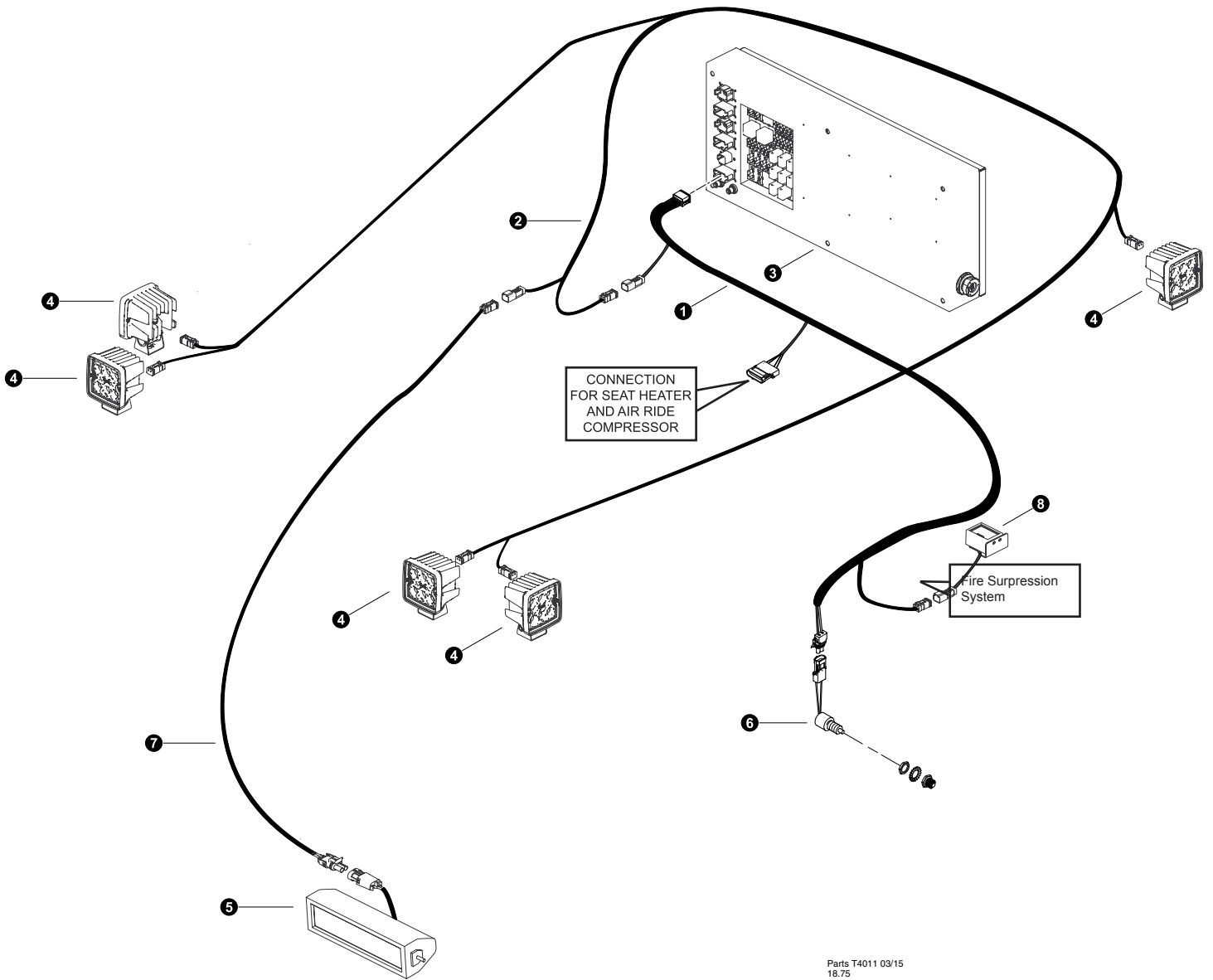


Parts T4012 04/15  
18.75

## 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.

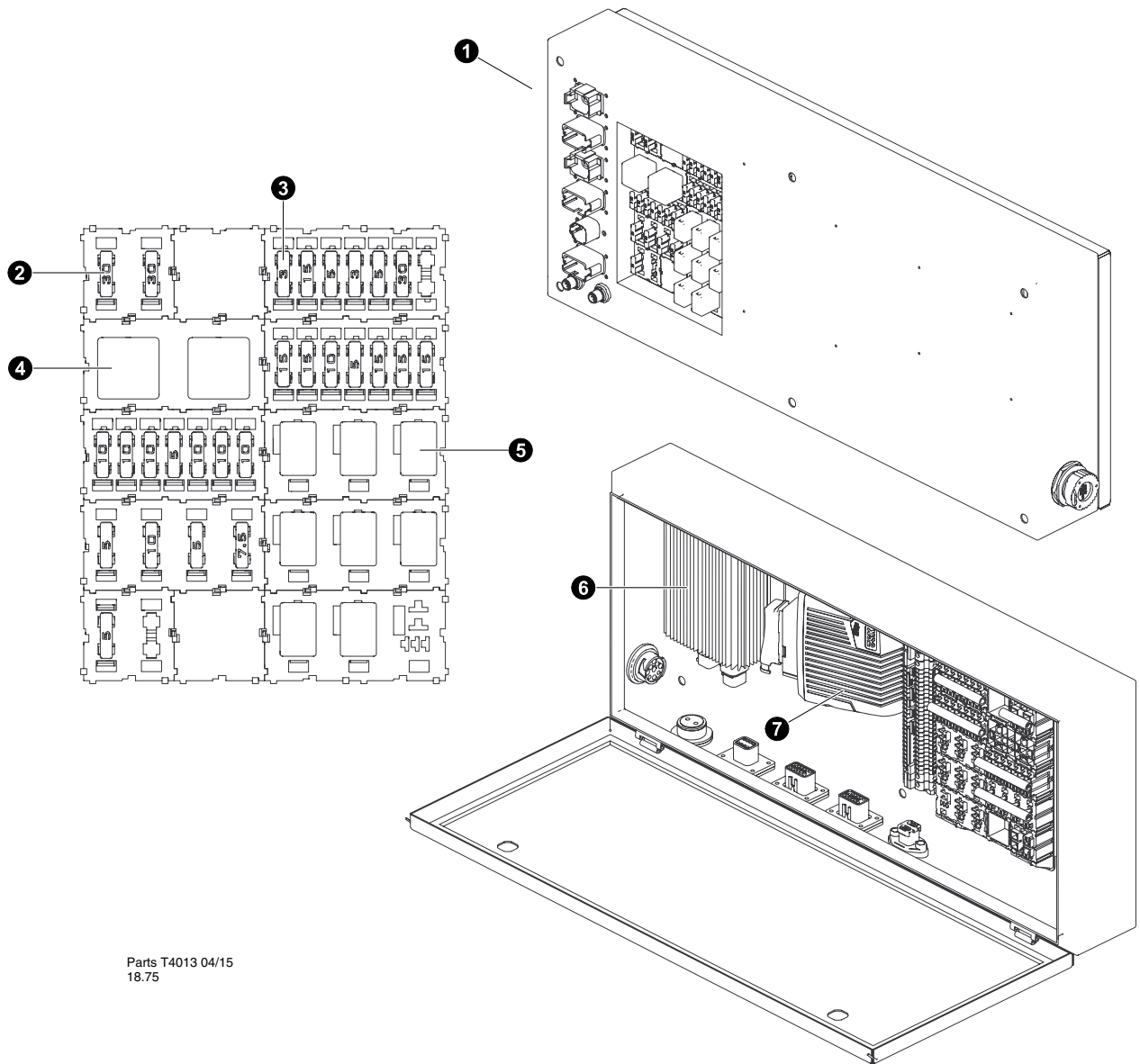


Parts T4011 03/15  
18.75

## OPERATOR'S CAB ELECTRICAL HARNESS (Lights and Radio)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	54501-ES	1	<input type="checkbox"/> HARNESS, CAB - LOWER	
2	NSS	1	HARNESS, CAB LIGHTS.....	REF
3		<input type="checkbox"/>	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.

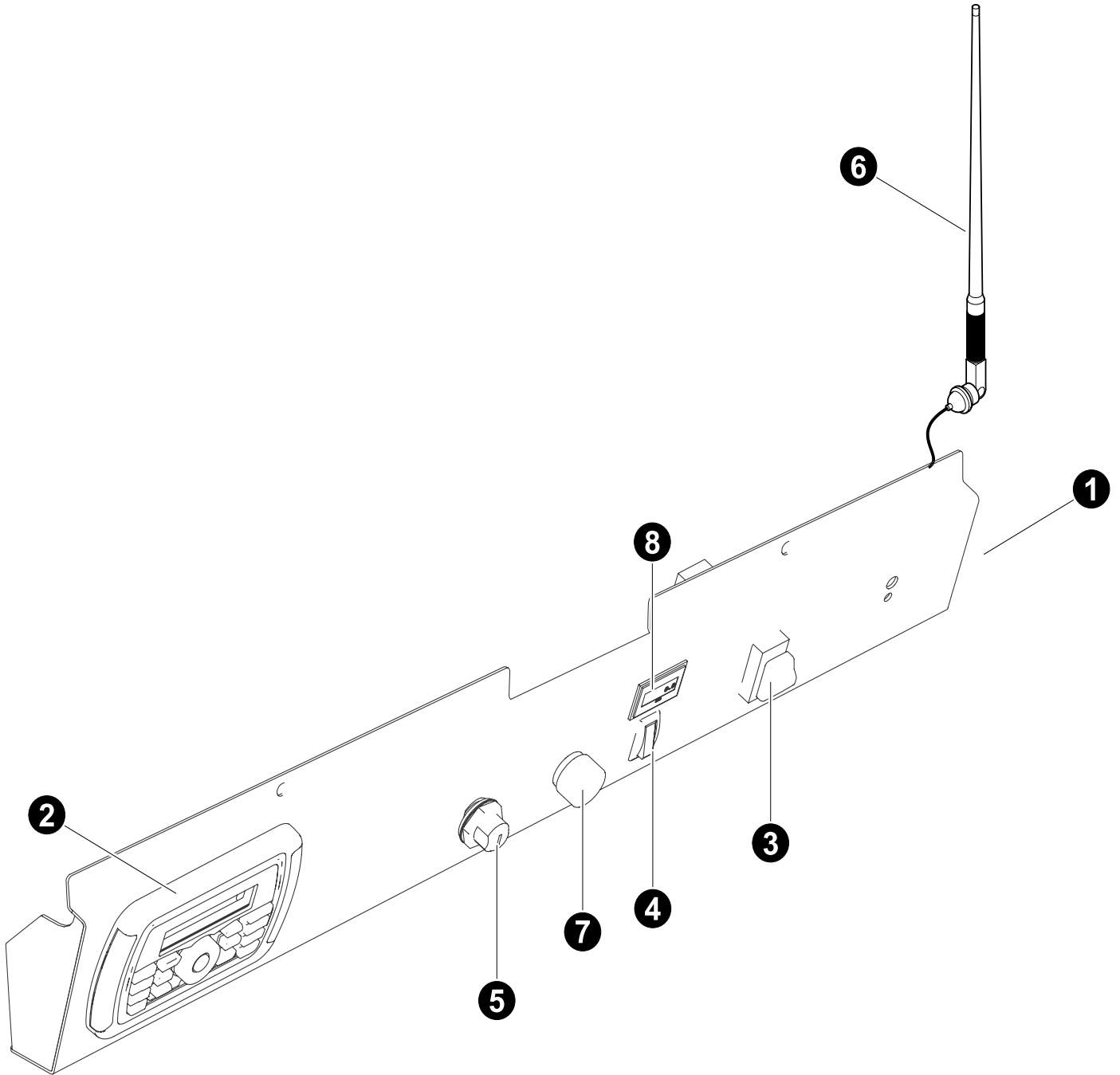


Parts T4013 04/15  
18.75

## 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.

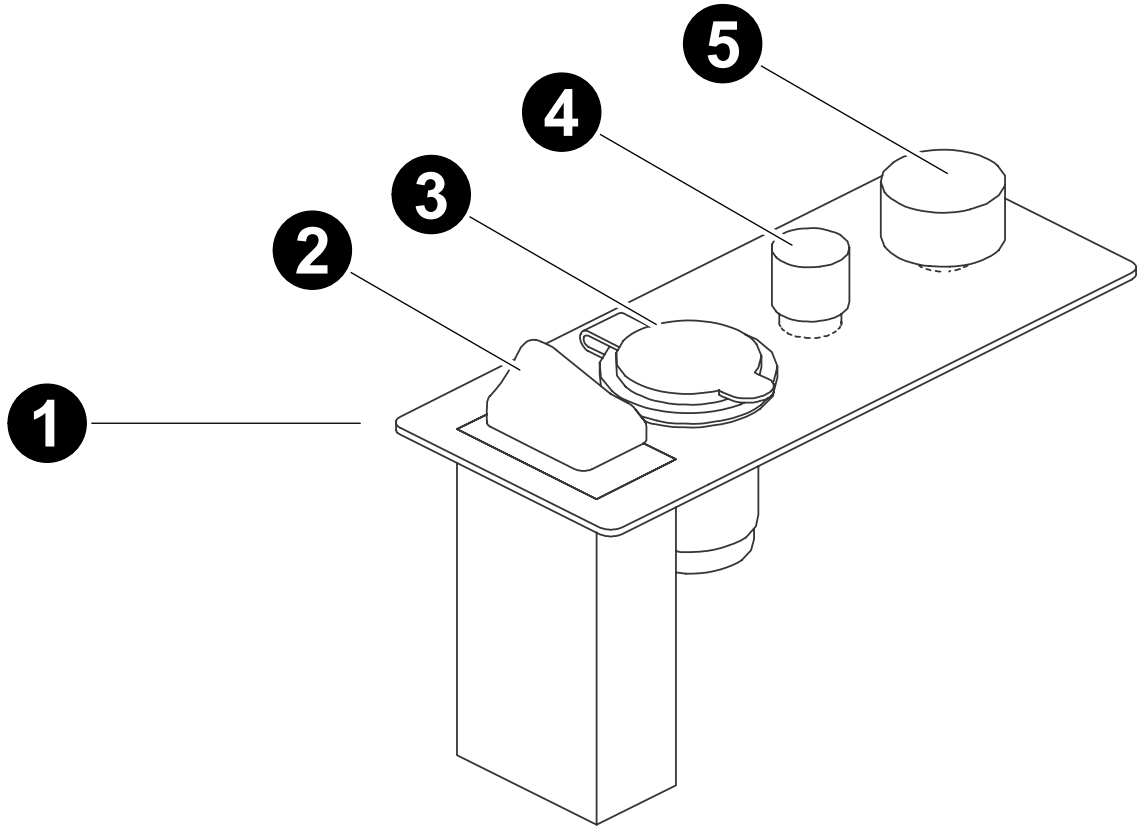


Parts T4014 04/15  
18.75

## 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	<input type="checkbox"/> 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.



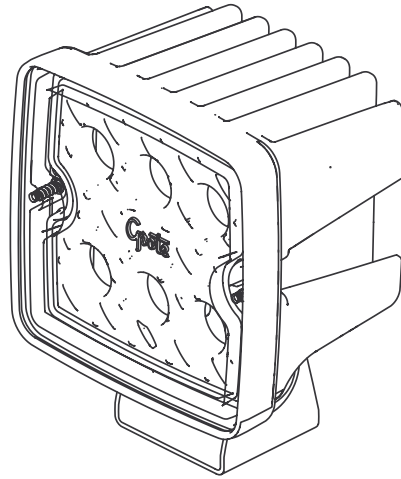
Parts T4015 04/15  
18.75

## UPPER DASH BREAKDOWN

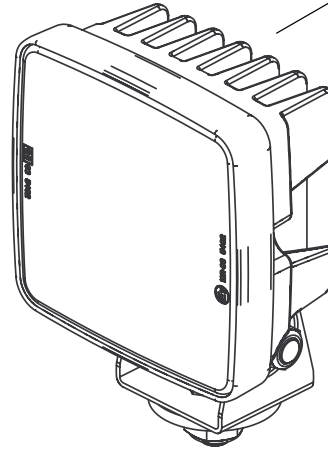
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	-ES	1	DASH ASSEMBLY - HEATER - AC	
-	REF	1	DECAL, Dash HEATER AC .....	UP-4
2	51671-ES	1	SWITCH, AC/HEAT MODE - OTTO (1 PER)	
3	55662-ES	1	POWER, POINT - AUX - C SERIES	
4	-ES	1	CONTROL, WATER VALVE .....	OC-4
5	54506-ES	1	FAN SPEED CONTROL (BT1-0147)	

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

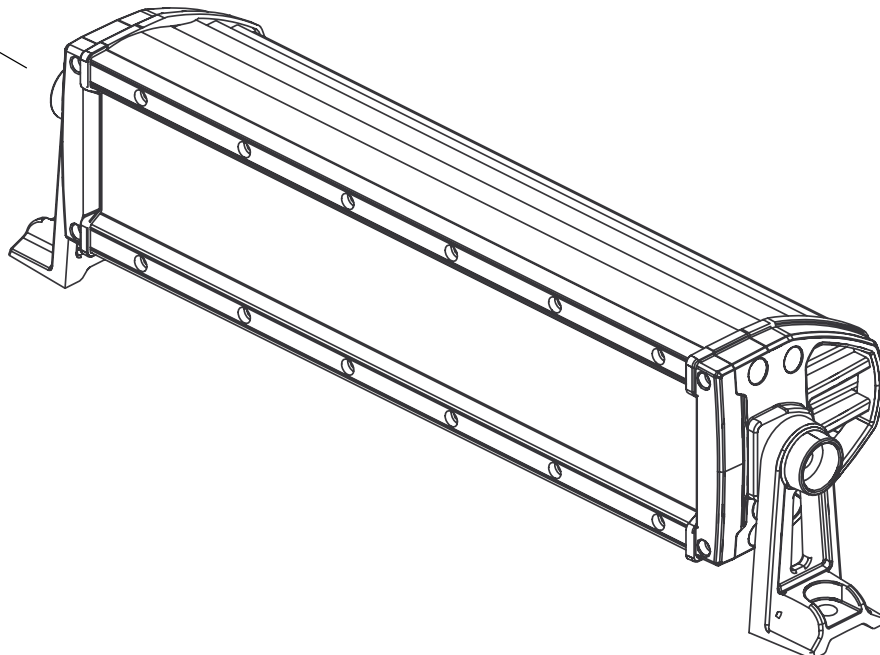
1



2



3



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.



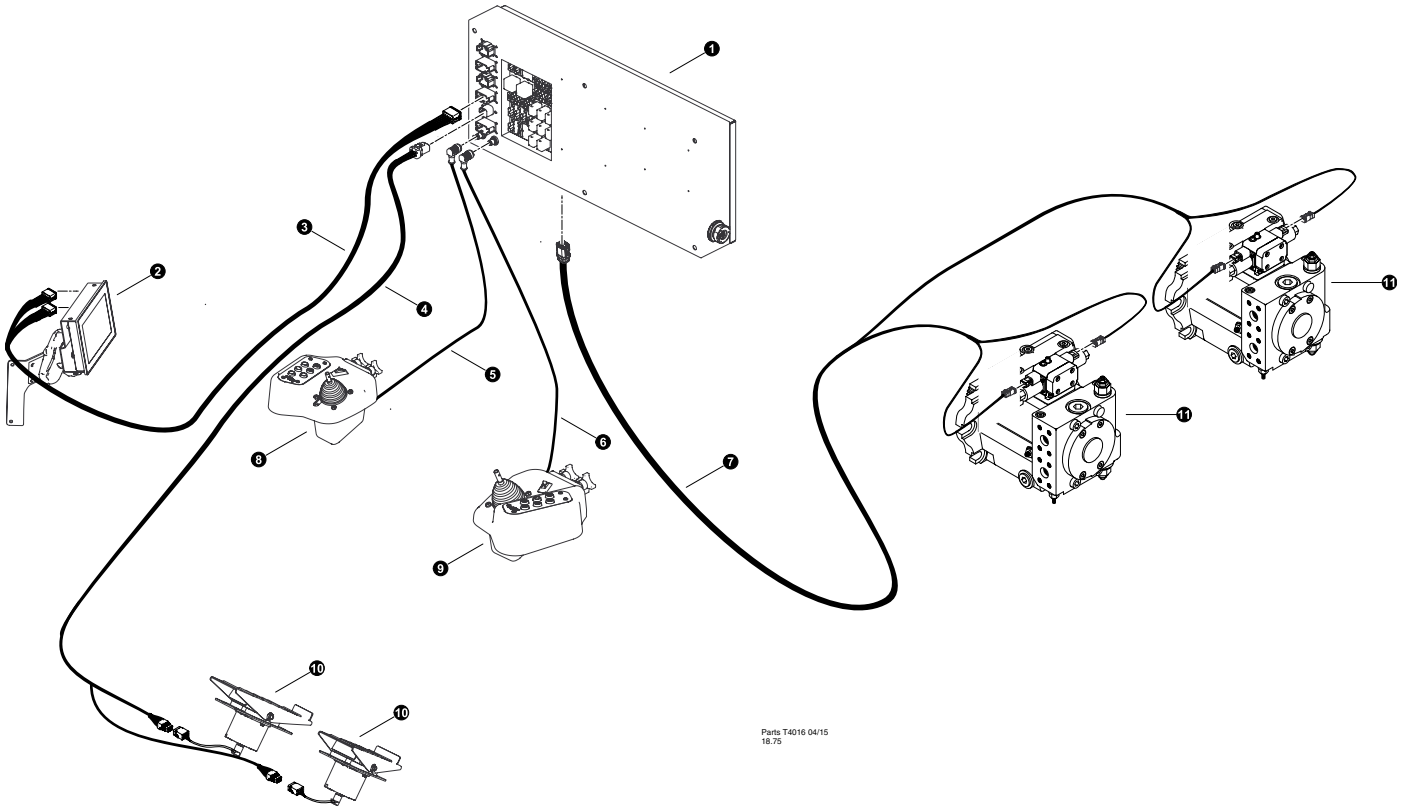
Assembly that includes all items indented below.









# ***Section ES-3***


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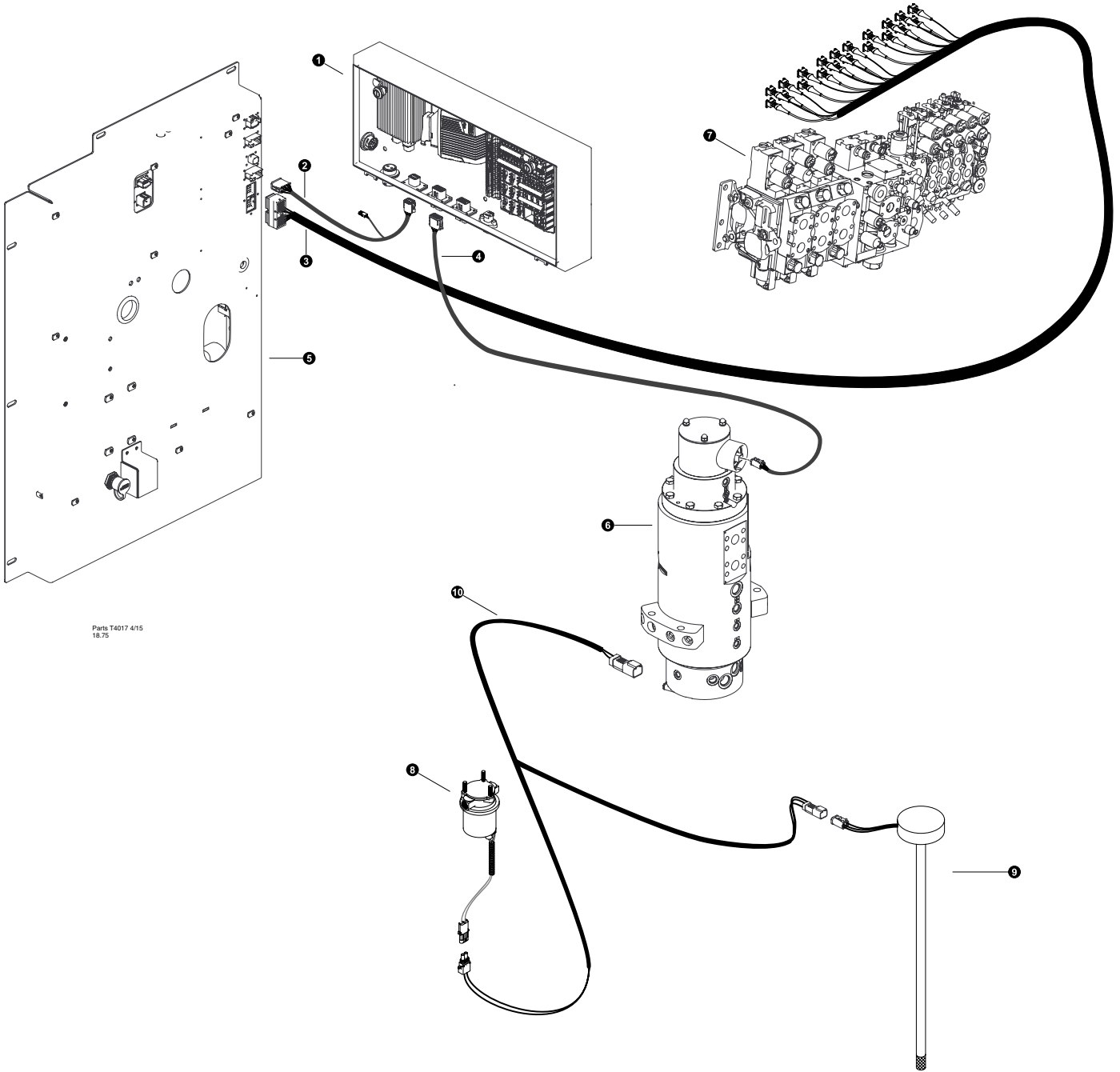
## ***Electrical System - IQAN Control System***



### 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.

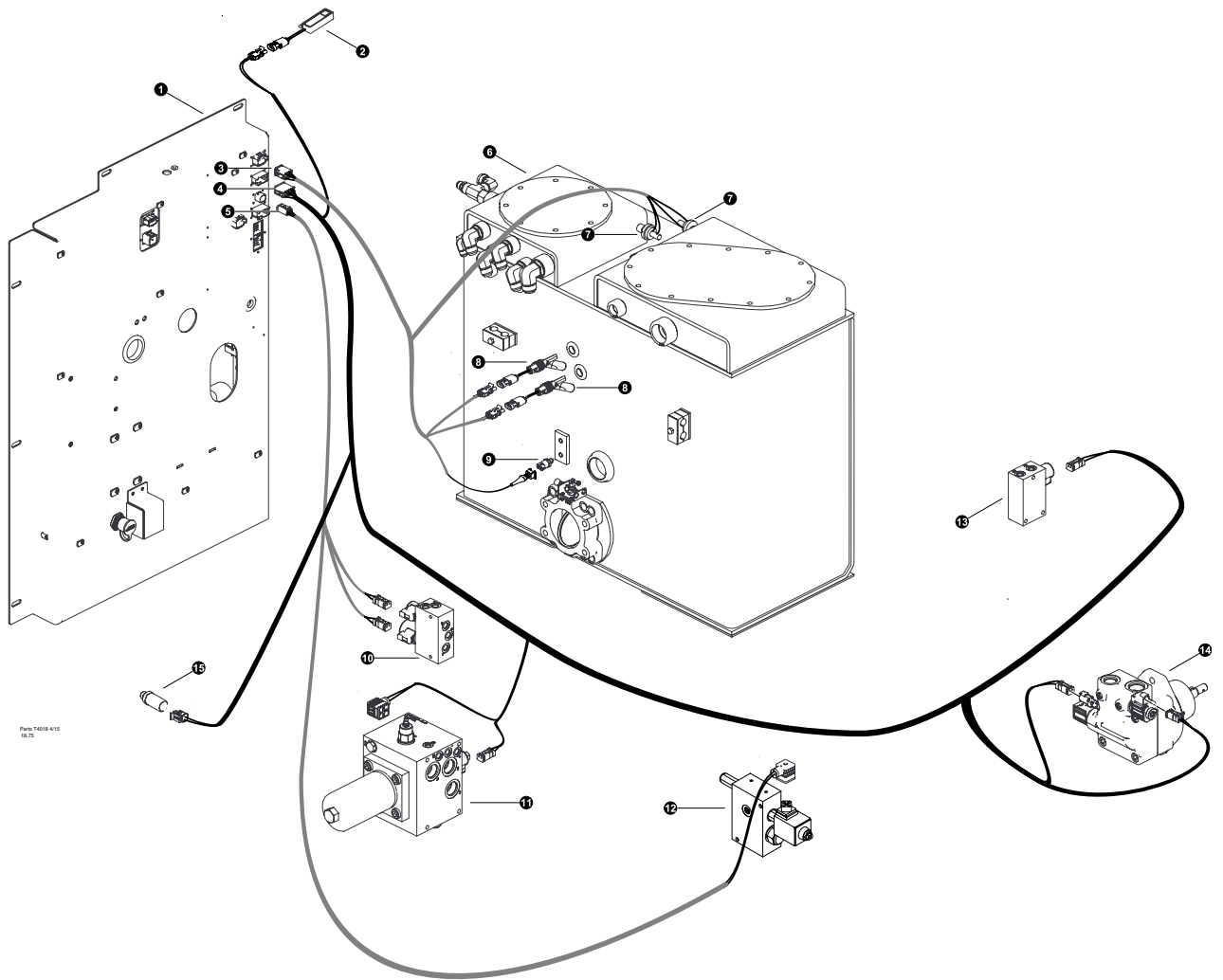


Parts T4017 4/15  
18.75

### 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	 ROTORY 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	

 See referenced page for component or assembly breakdown.

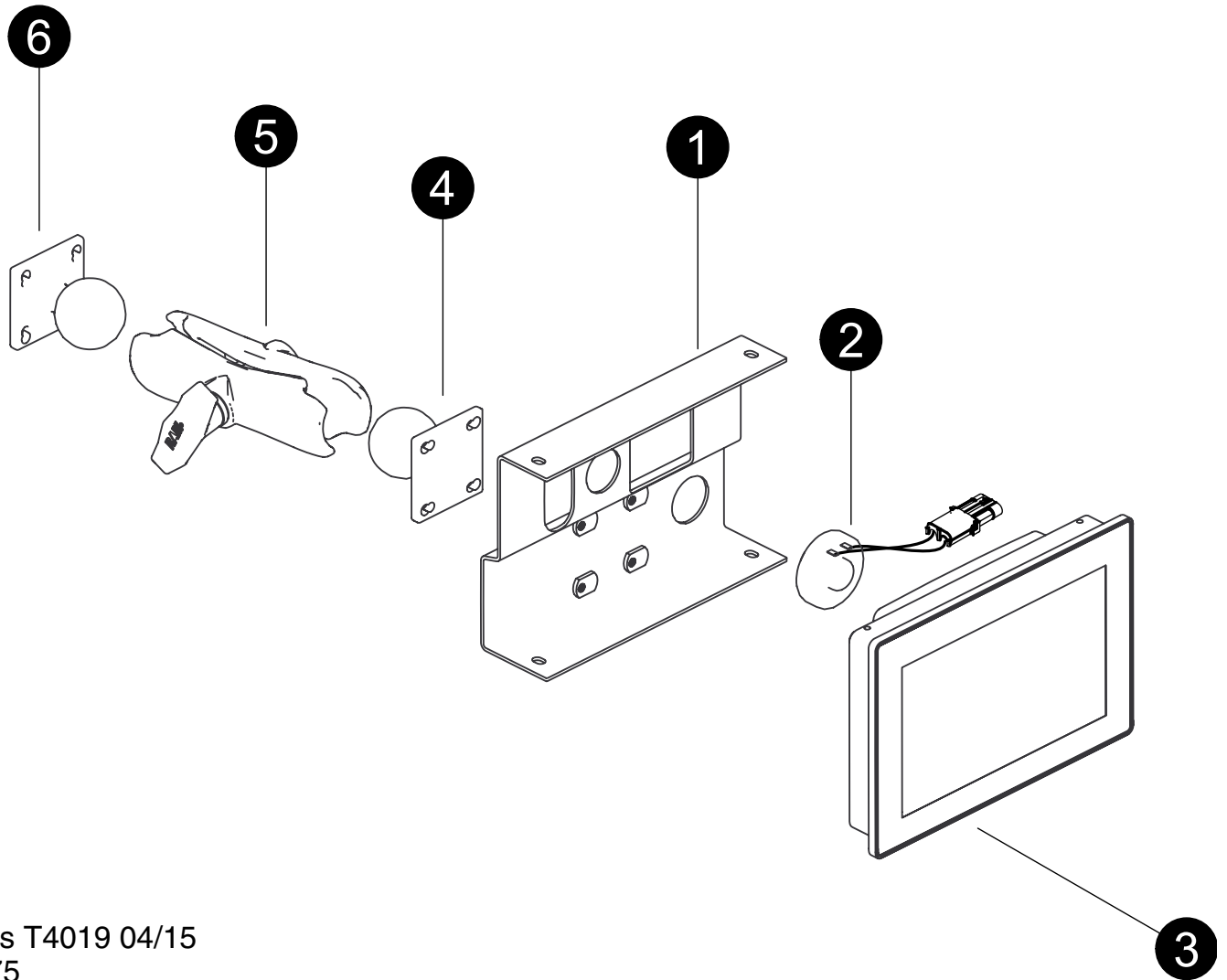


Part 74016-015  
18/12

## 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	54525-ES	1	HARNESS, Hydraulic Tank Sensors	
4	54526-ES	1	HARNESS, Charge System and Fans	
5	55192-ES	1	HARNESS, Parking Brake, Motor Shift, and Disc Saw	
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	

 See referenced page for component or assembly breakdown.



Parts T4019 04/15  
18.75

**IQAN - MD4 panel**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	46800-ES	1	ENCLOSURE, MD4	
2	55318-ES	1	MODULE, MD4 - SCREEN	
-	53112-ES	1	Software, Dealer MD4 (IQAN Active Studio)	
3	53025-ES	1	SIREN, WARNING MD4 Panel	
4	55452-ES	1	MOUNT, RAM - BASE - C SERIES	
5	55451-ES	1	MOUNT, RAM - DOUBLE SOCKET ARM - C SER.	
6	55452-ES	1	MOUNT, RAM - BASE - C SERIES	



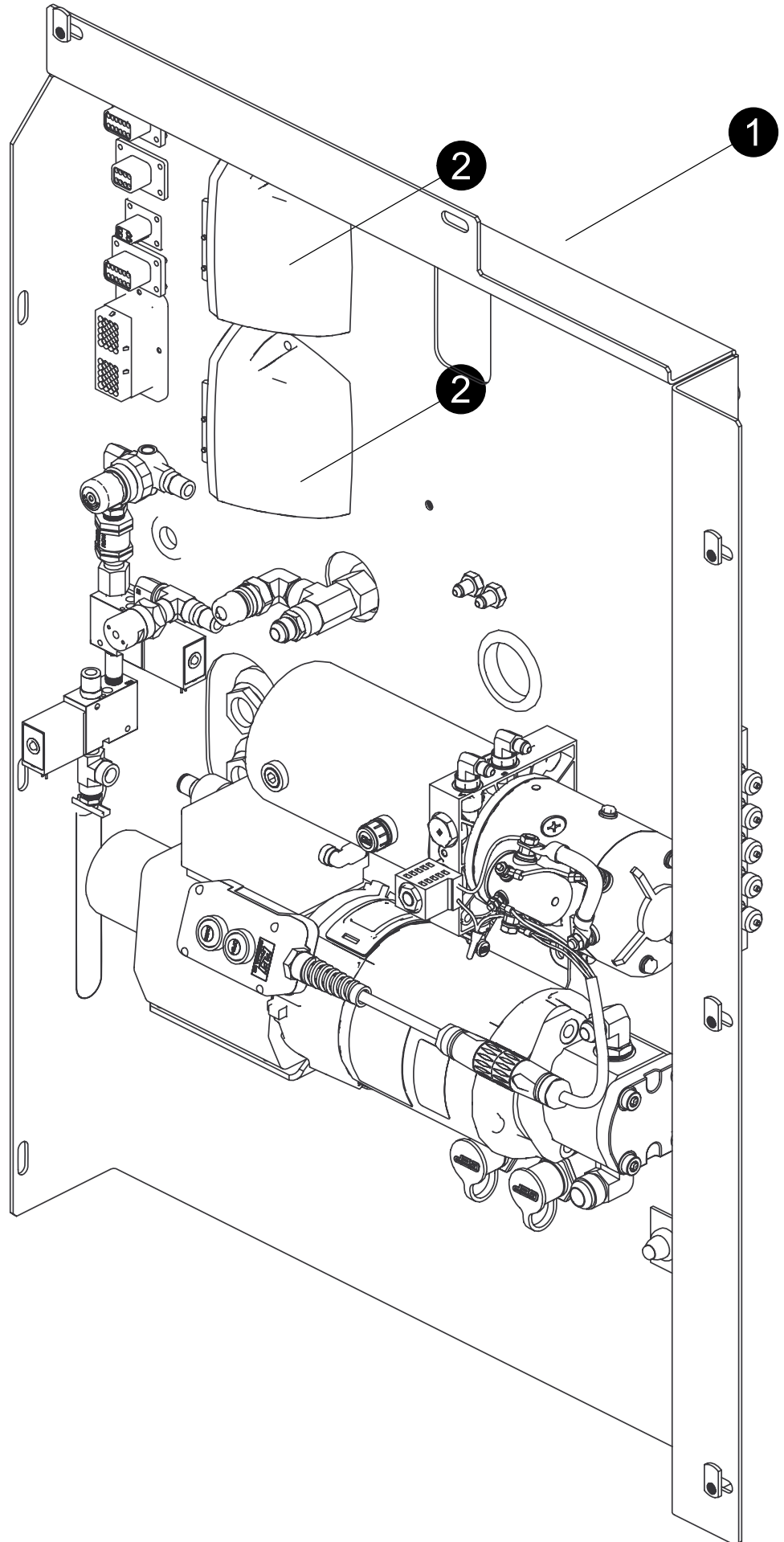
See referenced page for component or assembly breakdown.



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	<input type="checkbox"/> PANEL, XA2 MD4 SYSTEM MODULE, XA2 - IQAN	
2	53095-ES	2		



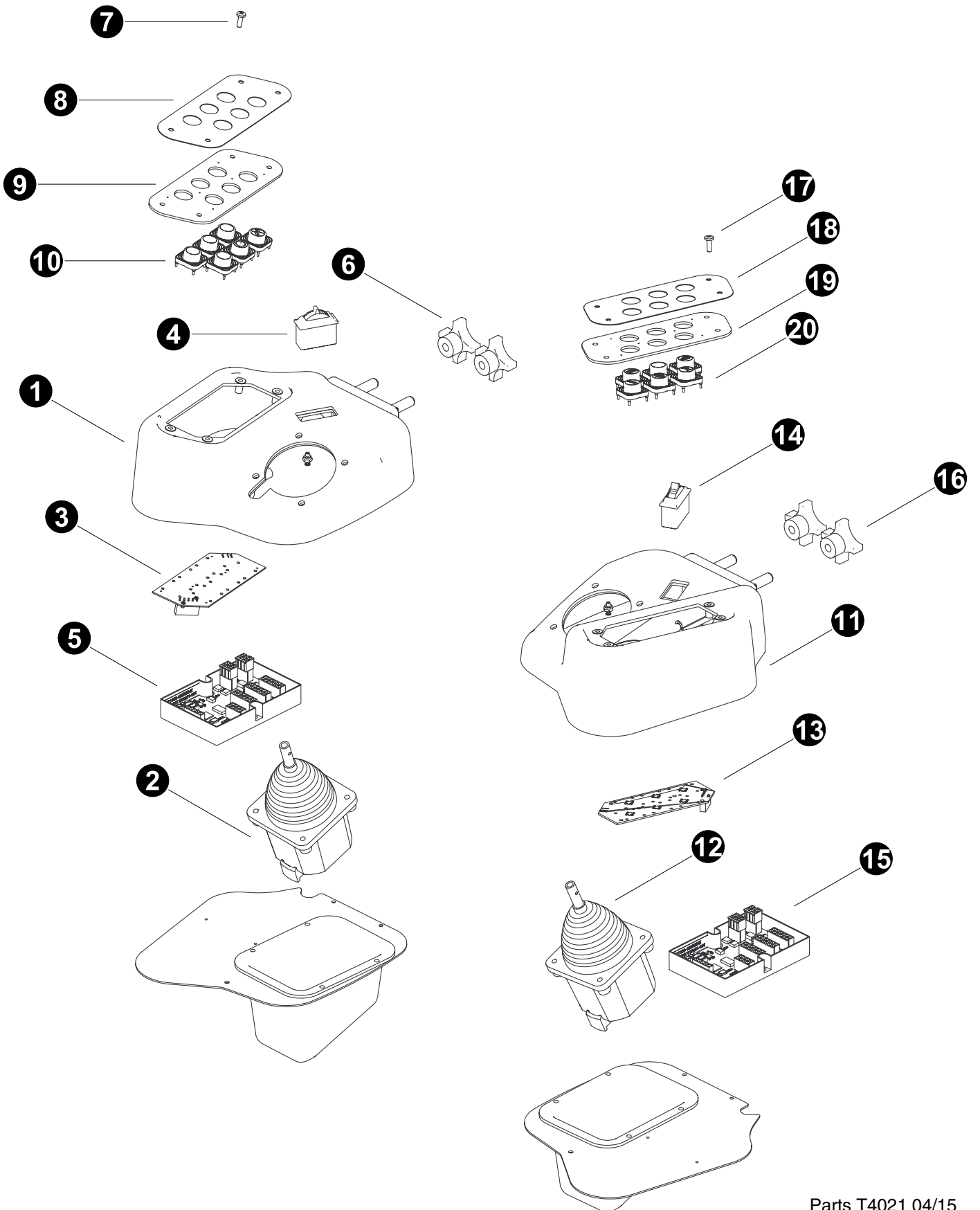
See referenced page for component or assembly breakdown.



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)	



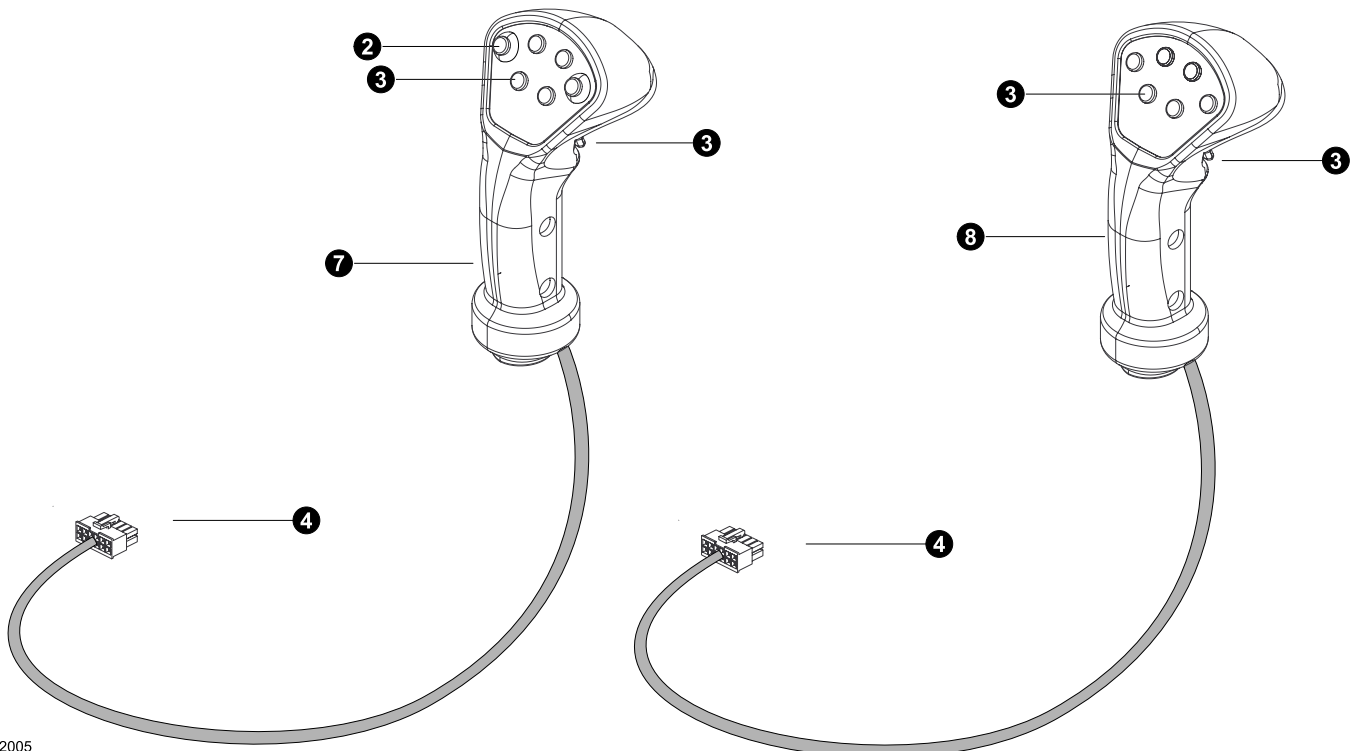
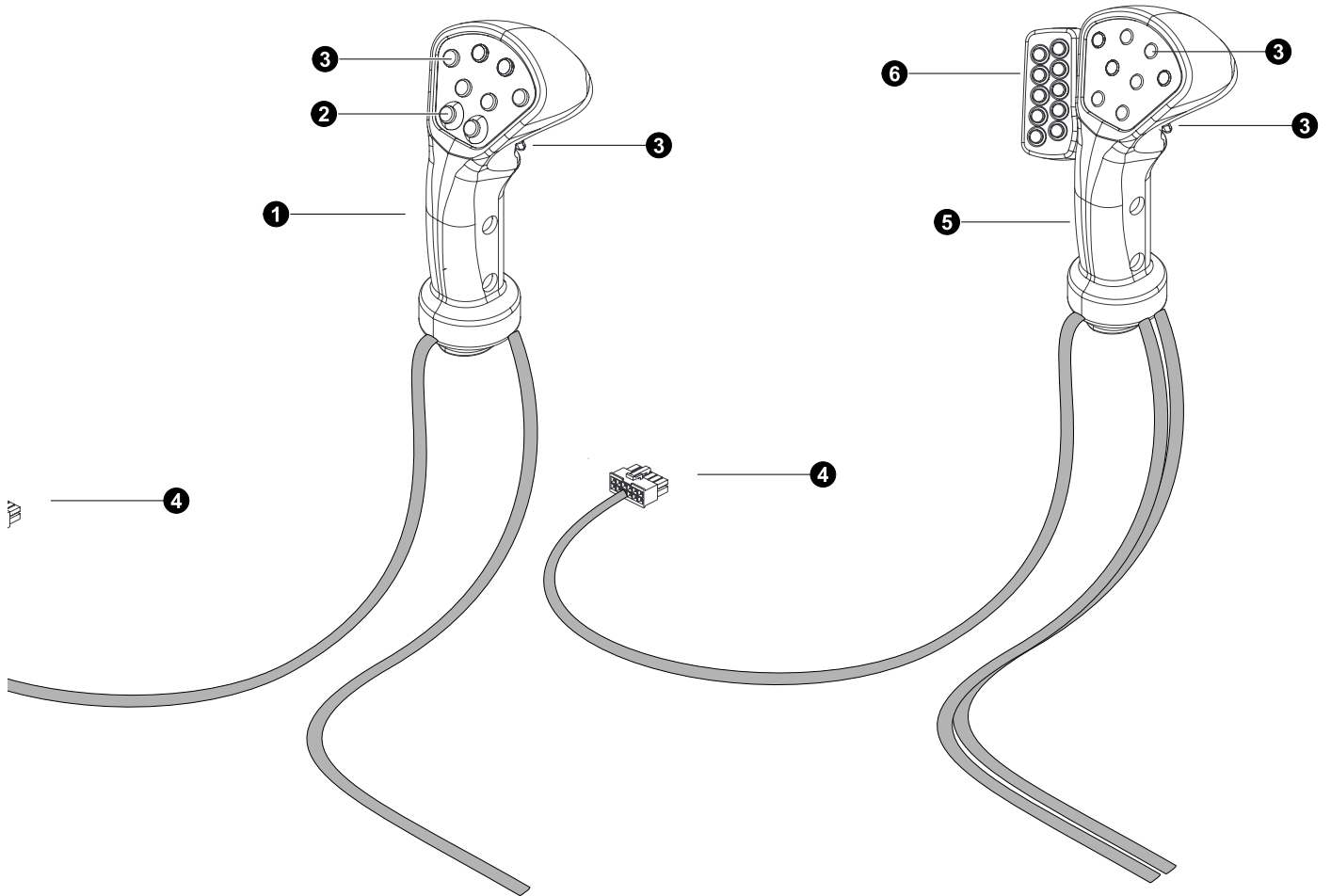
See referenced page for component or assembly breakdown.



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	



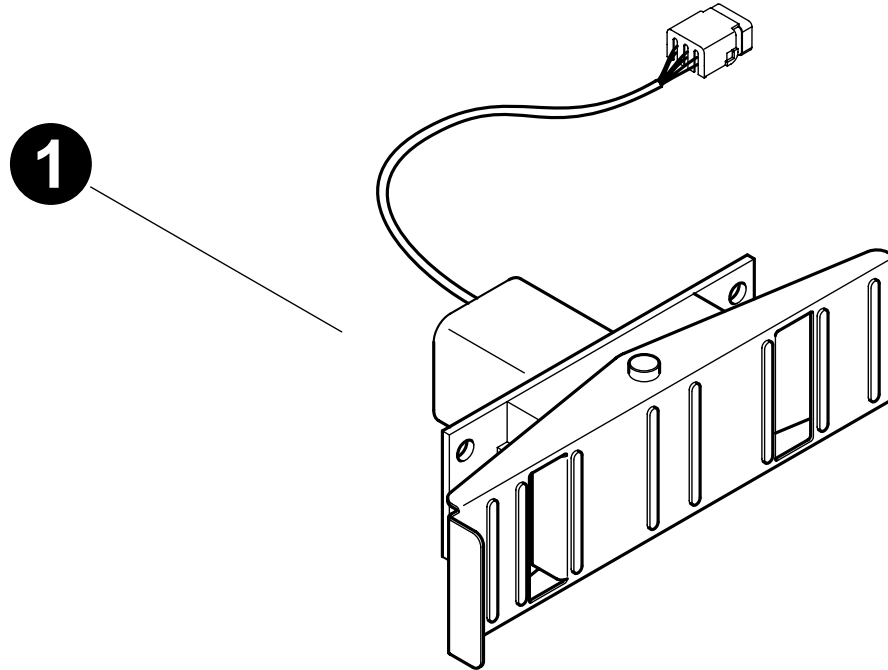
See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.



Included in repair kit



Parts T3176 07/06/2005  
50.00

## WHEEL DRIVE CONTROL PEDAL

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

***Disassembly of these components is not recommended.***



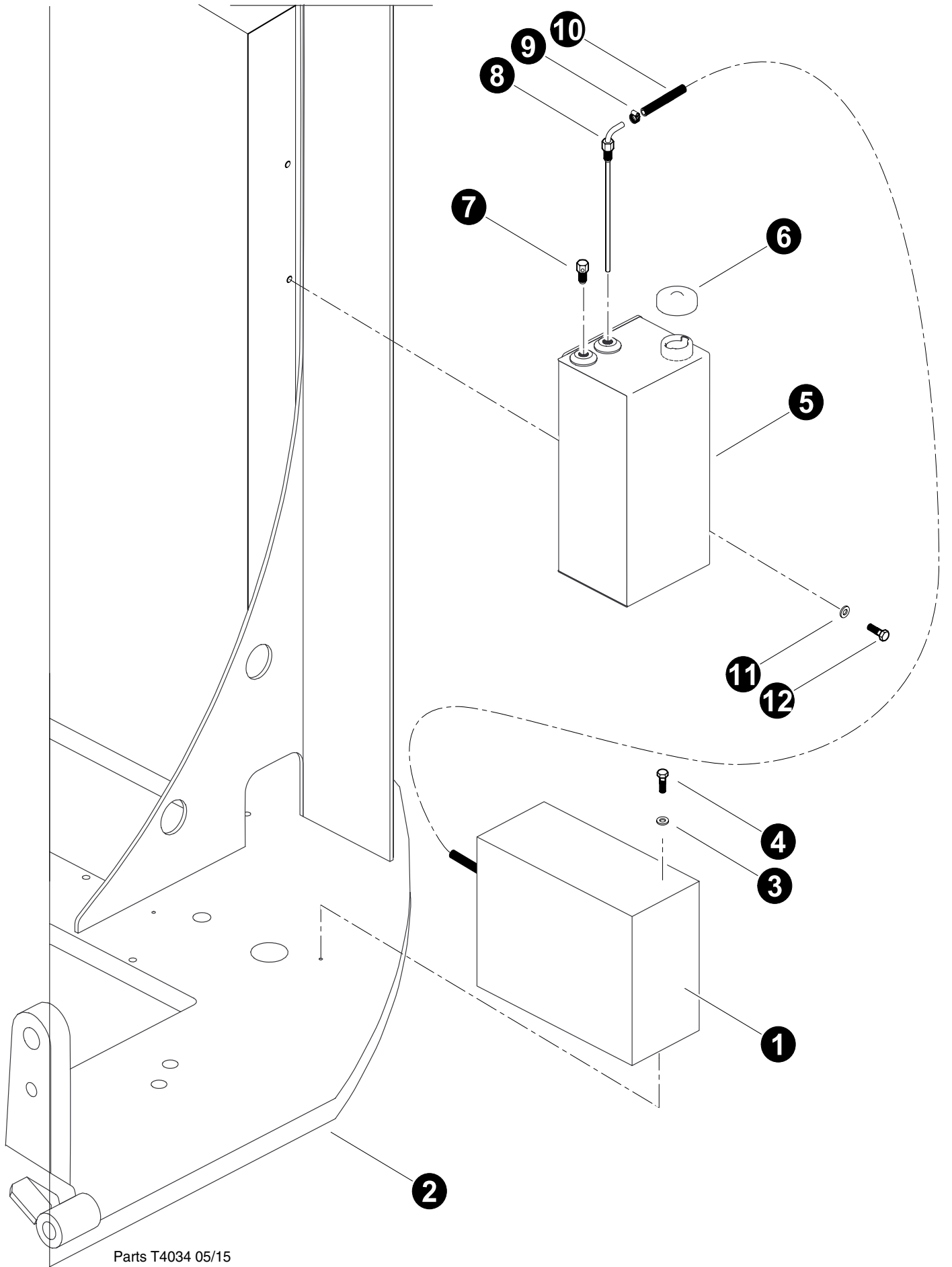
See referenced page for component or assembly breakdown.



# ***Section OH-1***



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## ***Optional Heaters- Espar Heater Installation***

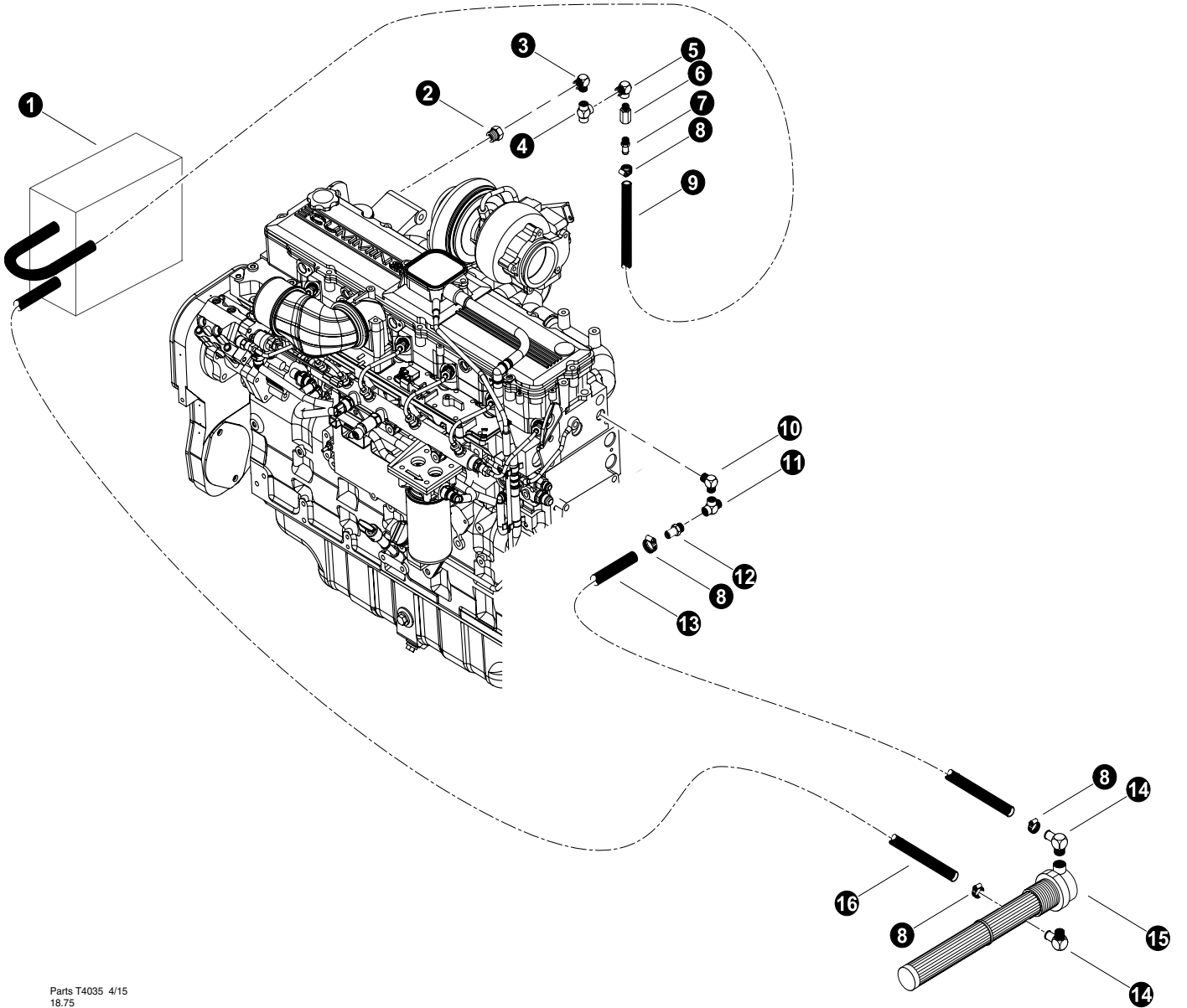


Parts T4034 05/15  
25.00

## 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"

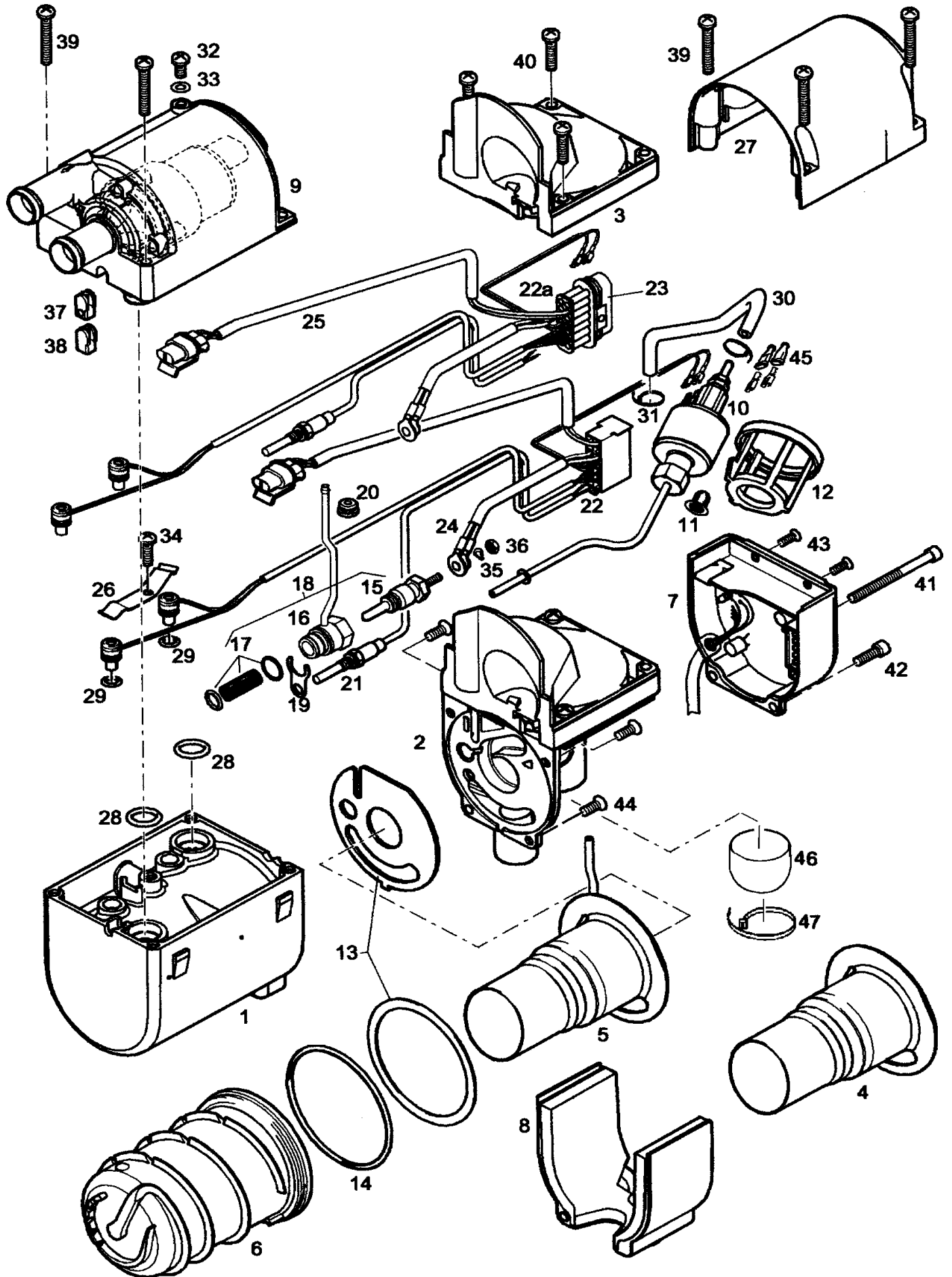
-  Bulk material - order length required in feet or meters.  
 Kit or Assembly - includes all items indented underneath.  
 See referenced page for component or assembly breakdown.



# ***Section OH-2***

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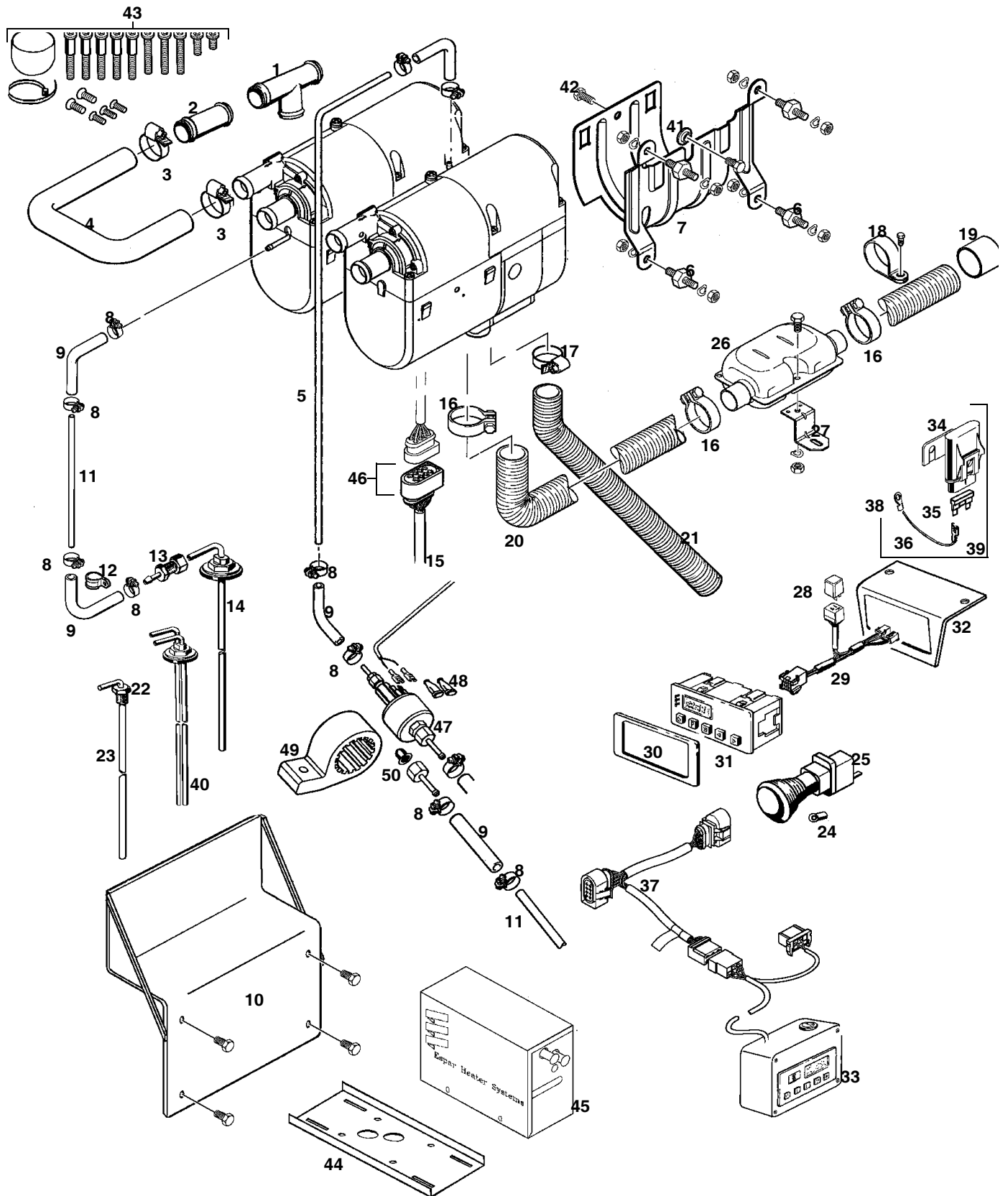
## ***Optional Heaters- Espar Parts Breakdown***



## Espar hydronic - Pre Heater (heater breakdown)

REF	PART #	QTY	DESCRIPTION
-	51578-OH	1	<input type="checkbox"/> 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)

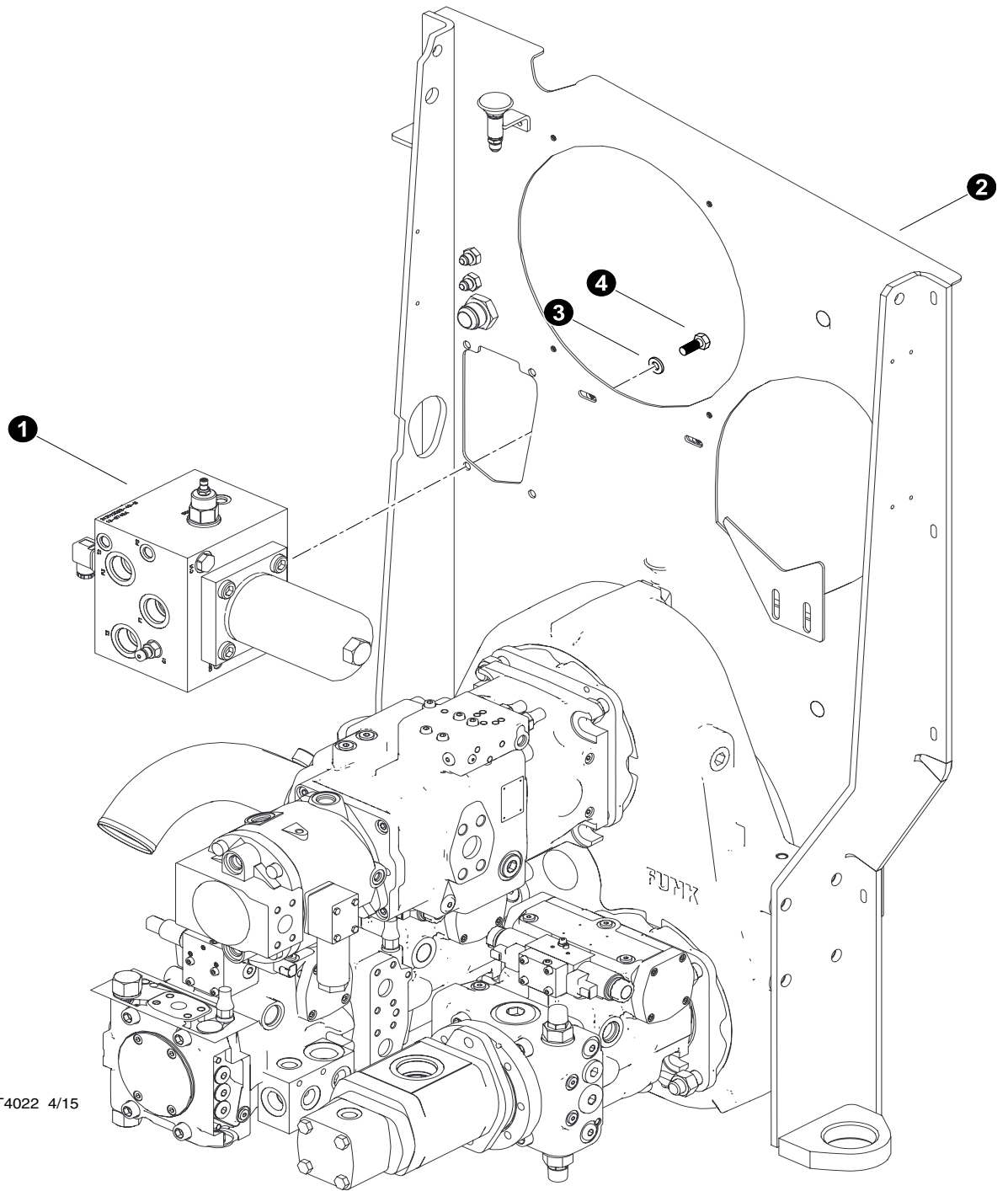
REF	PART #	QTY	DESCRIPTION
-	51578-OH	1	<input type="checkbox"/> KIT, PREHEATER - ESPAR (24V
1		1	T-PIECE 20MM (201673801100)
2		1	CONNECTING PIPE (201534880001)
3		1	CLAMP 20MM-32MM (102065020032)
4		1	HOSE (251917800001)
5		1	1.5M PLASTIC FUEL LINE (09031118)
6		1	MOUNT (201185000001)
7		1	HEATER BRACKET (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 WHARNESS (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)



# ***Section DH-1***

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## ***Drive Hydraulics - Charge Pressure Circuit***




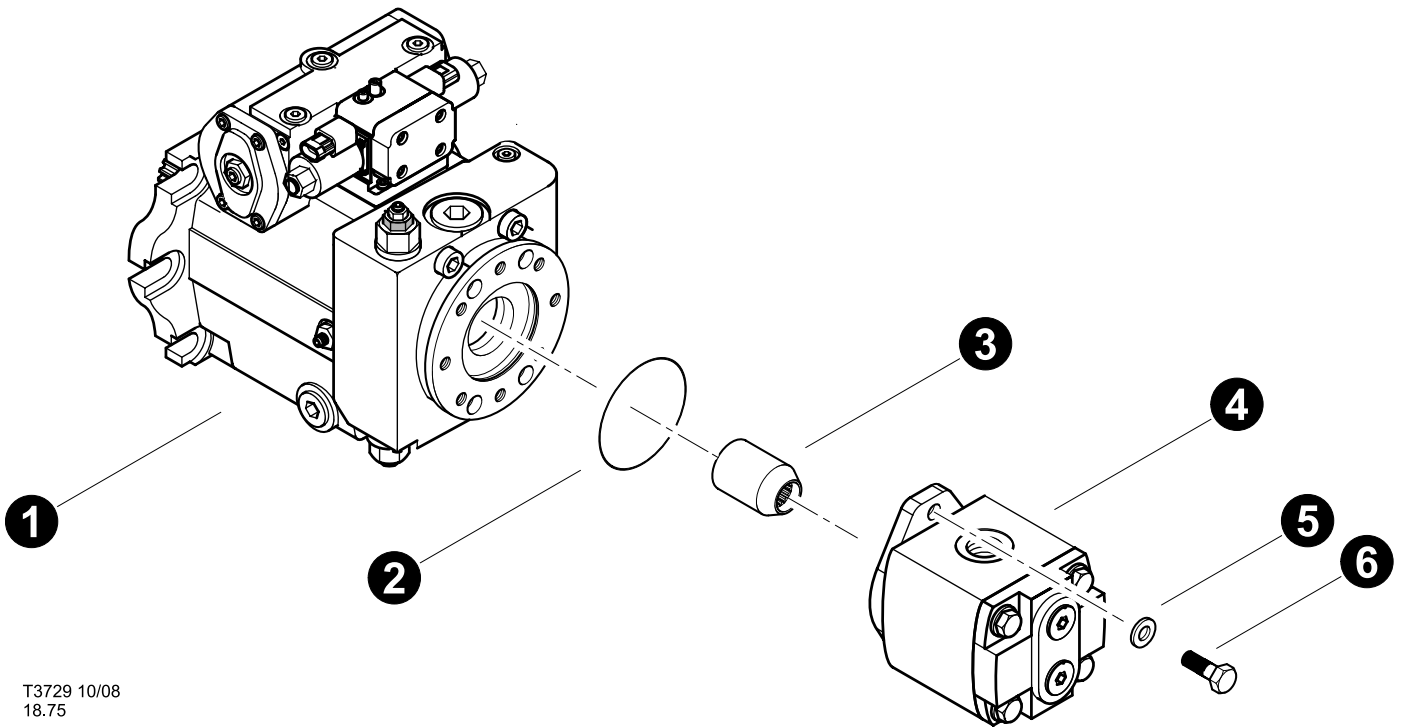
Parts T4022 4/15  
25.00

## CHARGE FILTER MANIFOLD INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	VALVE, 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.

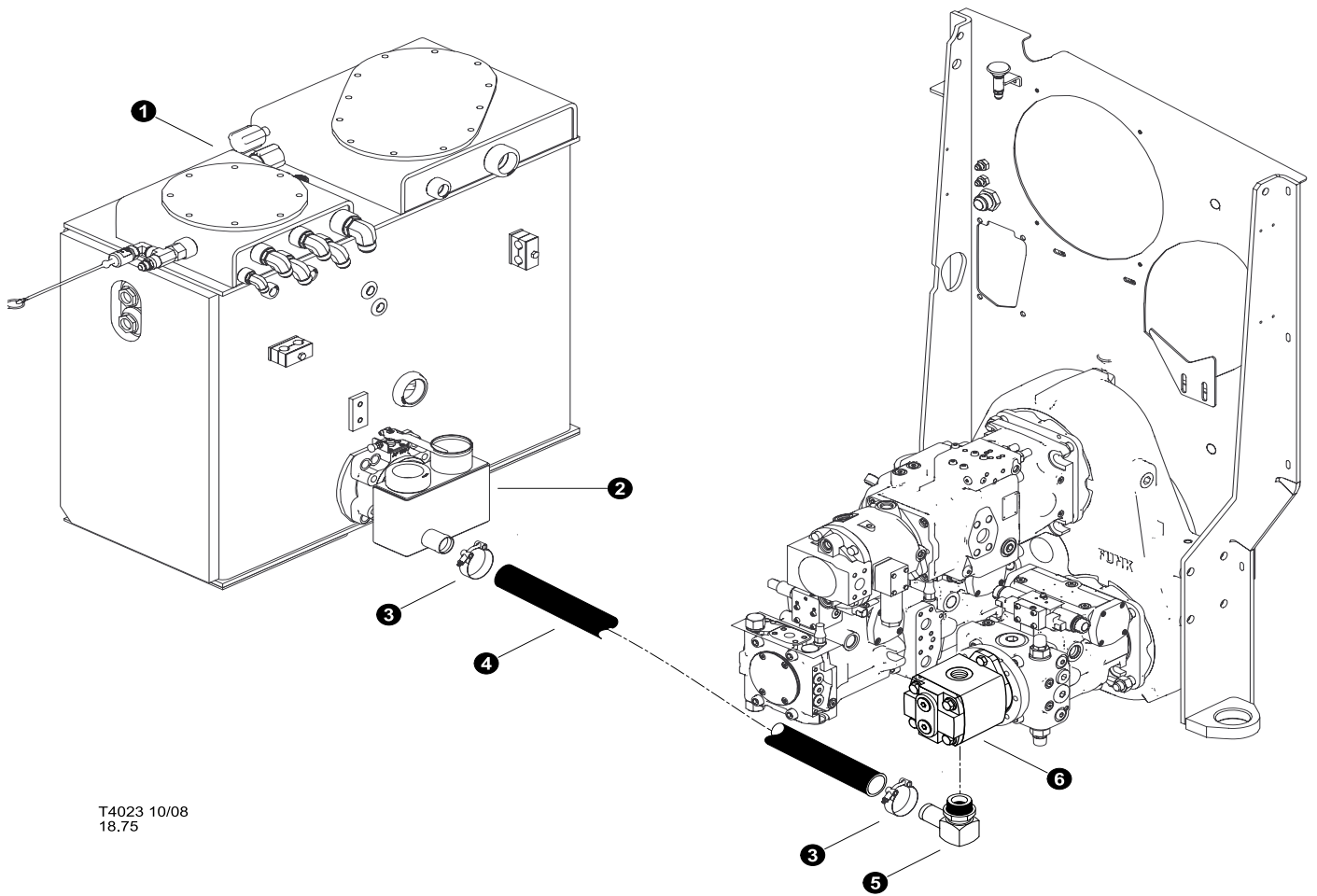


T3729 10/08  
18.75

## 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.



T4023 10/08  
18.75

### CHARGE PUMP INLET (SUCTION)

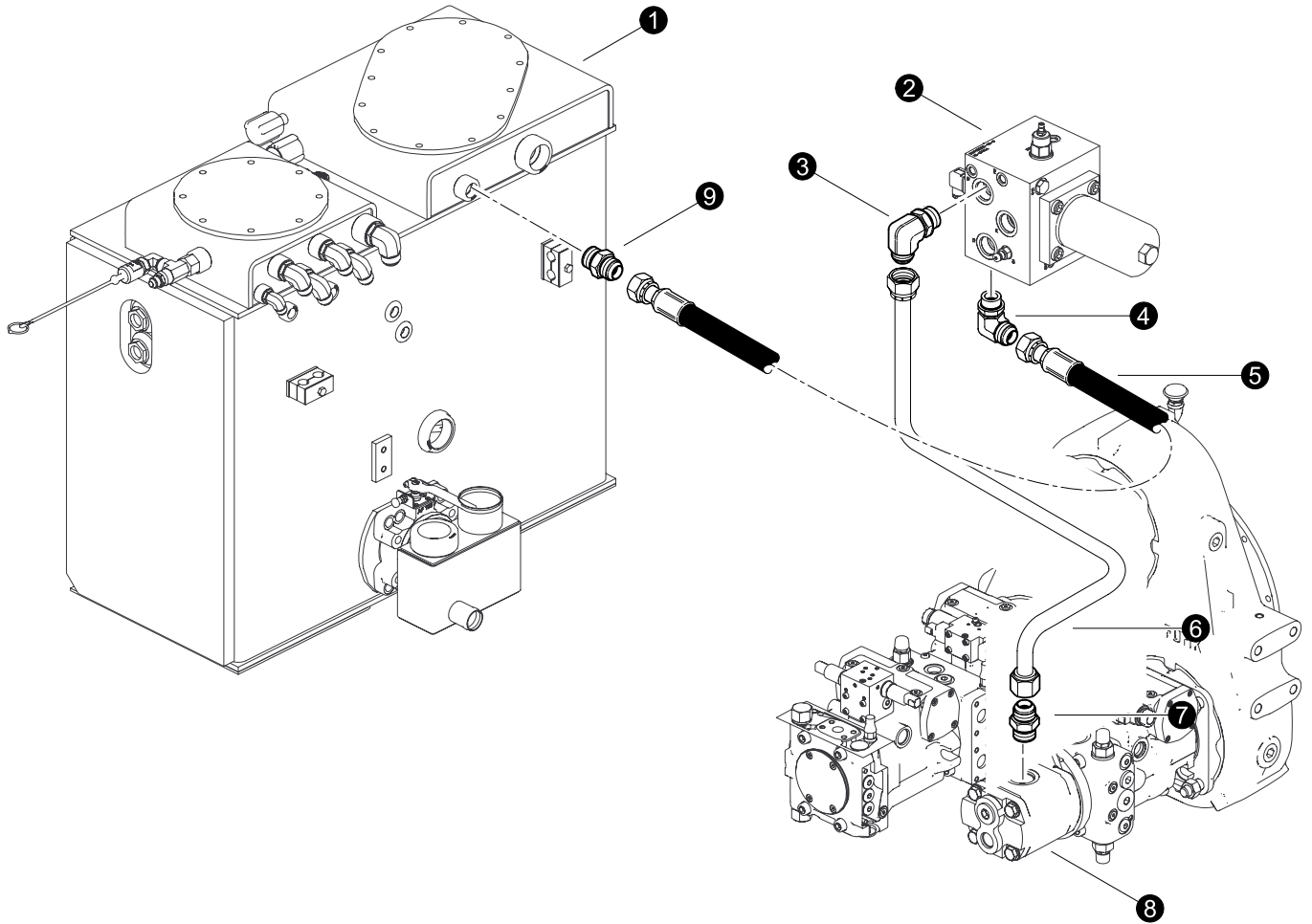
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		HYDRAULIC TANK ASSEMBLY.....	UP-2
2	REF	1		SUCTION ASSEMBLY .....	UP-2
3	15641-DH	2		CLAMP, strap band - 2"	
4	58621	1		HOSE ASSEMBLY - 2008-24-0-0	
5	22726-DH	1		KING NIPPLE, 90 O-RING - 4601-24	
6	REF.	1		CHARGE PUMP.....	DH-4




See referenced page for component or assembly breakdown.



Kit or Assembly - includes all items indented underneath.

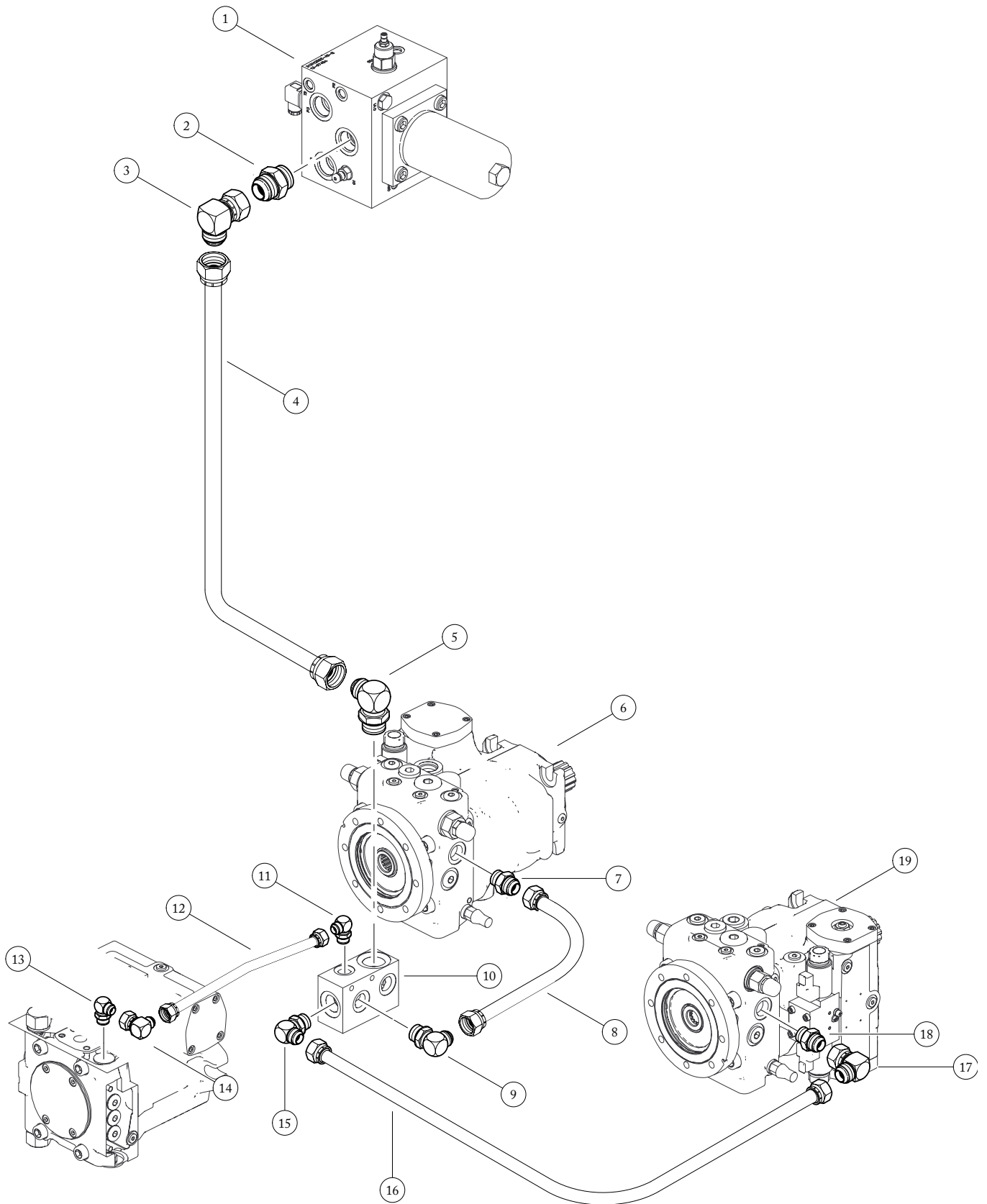


### CHARGE CIRCUIT (Pressure, Tank, and Regen)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	HYDRAULIC TANK ASSEMBLY.....	UP-2
2	REF	1	TRACK DRIVE CHARGE PUMP .....	DH-4
3	15484-DH	1	ELBOW, 90 - 16 C5OX-S	
4	11306-DH	1	ELBOW, 90 12 C5OX-S	
5	-DH	1	HOSE ASSEMBLY - 2023 12 12JS 12JS (T3 port to Hyd Tank Return)	
6	55160-DH	1	TUBELINE , CHRG PUMP TO CHRG FILTER P3	
7	15498-DH	1	CONNECTOR, STR - 6400-16-20	
8	REF.	1	 CHARGE PUMP.....	DH-4



 See referenced page for component or assembly breakdown.


 Kit or Assembly - includes all items indented underneath.

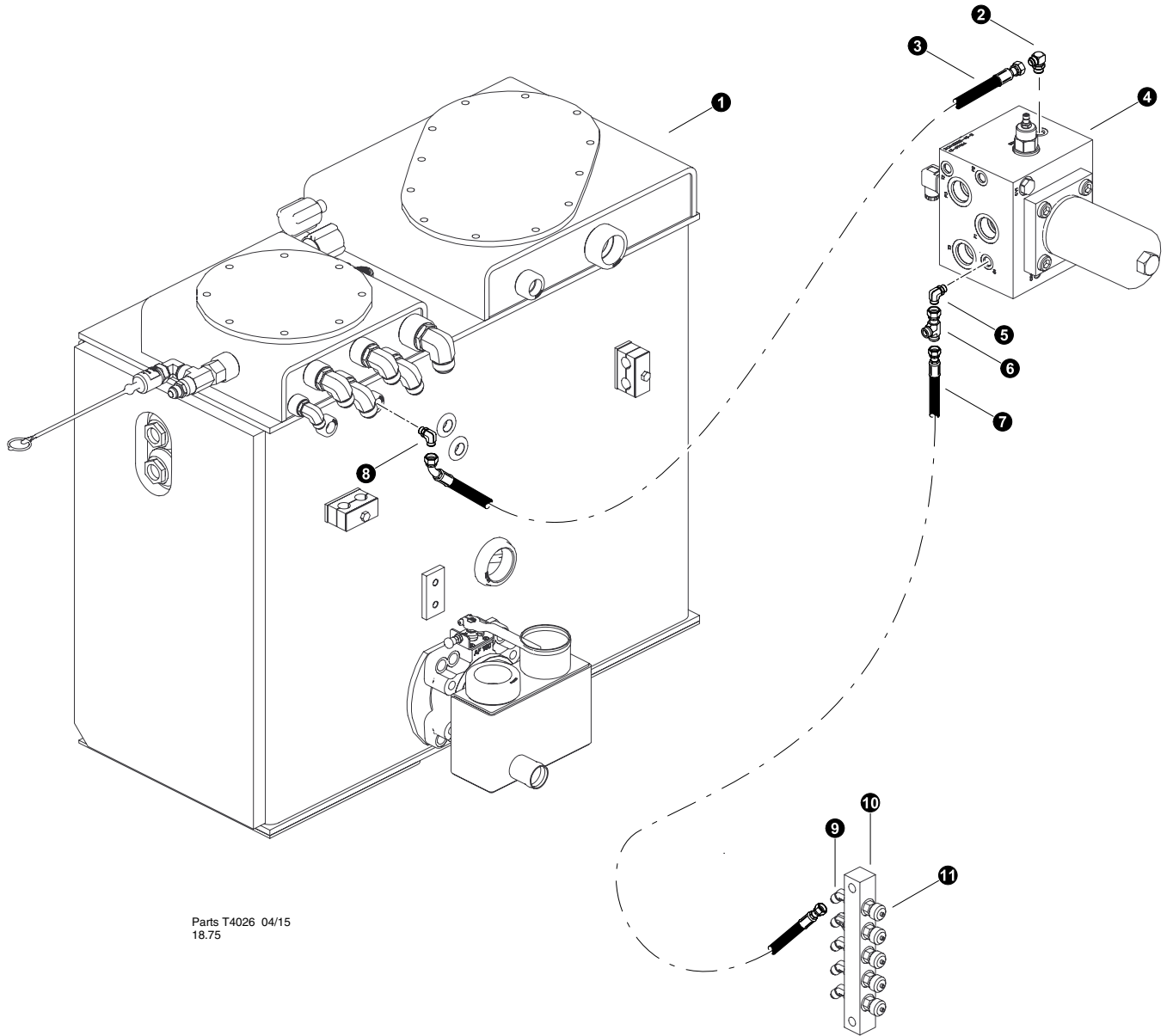


Parts T3727 10/08  
18.75

## 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	52968-DH	1	ELBOW, 90 - 16 C6XO JIC/ORB	
4	55454-DH	1	TUBELINE, CHARGE F1 TO CHARGE DIVIDE MAN	
5	15484-DH	1	ELBOW, 90 - 16 C5OX-S	
6	REF.	1	 TRACK DRIVE PUMP .....	DH-4
7	15494-DH	1	CONNECTOR, STR - 6400-12-10	
8	55162-DH	1	TUBELINE, CHARGE MANIFOLD TO HYDRO L	
9	53032-DH	1	ELBOW, 90 - 12 JIC X 10 ORB .....	
10	45999-DH	1	MANIFOLD, CHARGE PRESSURE DIVIDING	
11	15481-DH	1	ELBOW, 90 - 6801-8	
12	55163-DH	1	TUBELINE, CHARGE MANIFOLD TO SWING FA	
13	15481-DH	1	ELBOW, 90 - 6801-8	
14	17085-DH	1	ELBOW, 90 SWIVEL - 6500-8	
15	11306-DH	1	ELBOW, 90 12 C5OX-S	
16	55161-DH	1	TUBELINE, CHARGE MANIFOLD TO HYDRO RT FA	
17	15477-DH	1	ELBOW, 90 SWIVEL - 12 C6X-S	
18	15494-DH	1	CONNECTOR, STR - 6400-12-10	
19	REF.	1	 TRACK DRIVE PUMP .....	DH-4

 See referenced page for component or assembly breakdown.



Parts T4026 04/15  
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 - 2055 06 06JS 04J4	
4	REF	1	CHARGE MANIFOLD.....	UP-3
5	51889-DH	1	ELBOW, 90 - (4C50X-S)	
6	55677-DH	1	FITTING, 4 R6X-S	
7	-DH	1	HOSE ASSEMBLY - 7056 04 04JS 04JS	
8	53145-DH	1	FITTING, 6-8 C50X-S - JIC	
9	51884-DH	1	ELBOW, 45 - (4 V50X-S)	
10	22287-DH	1	MANIFOLD, PRESSURE CHECK - 5 PORT	
11	16037-DH	1	Gauge Tap 1/4" Sae	

 See referenced page for component or assembly breakdown.

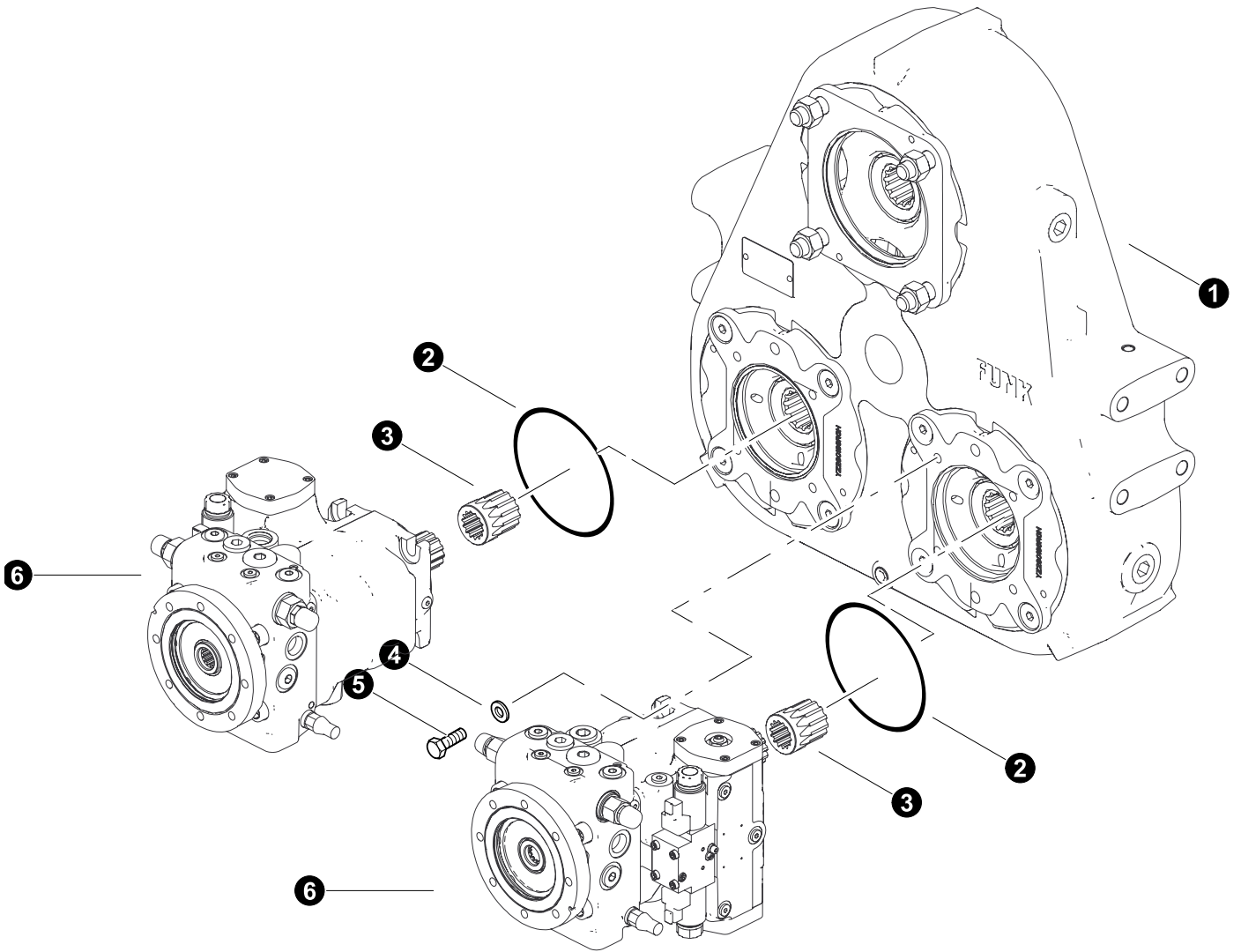
 Kit or Assembly - includes all items indented underneath.



## ***Section DH-2***



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### ***Drive Hydraulics - Track Drive Pump Circuit***




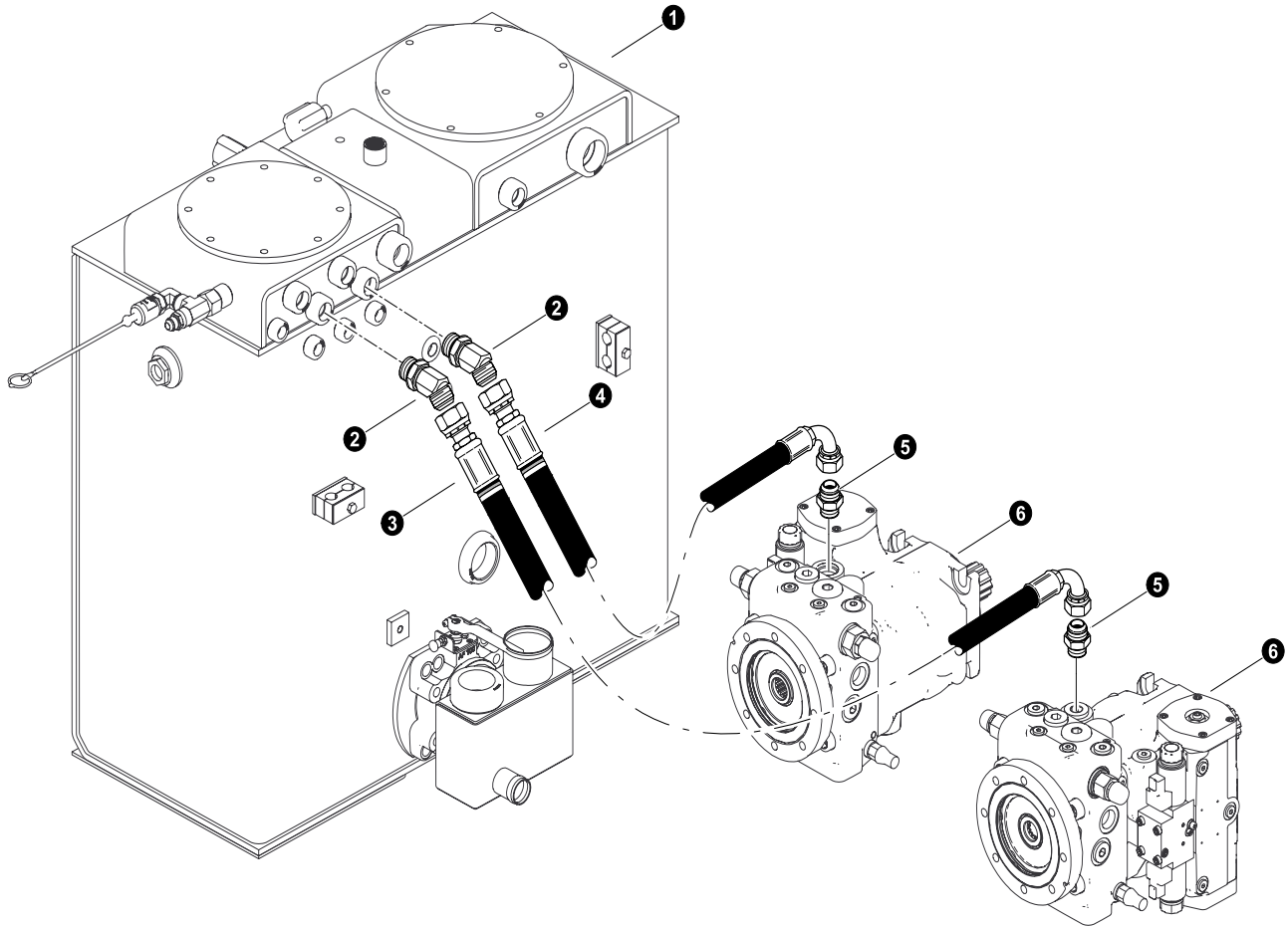
Parts T4027 04/15  
18.75

## 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.




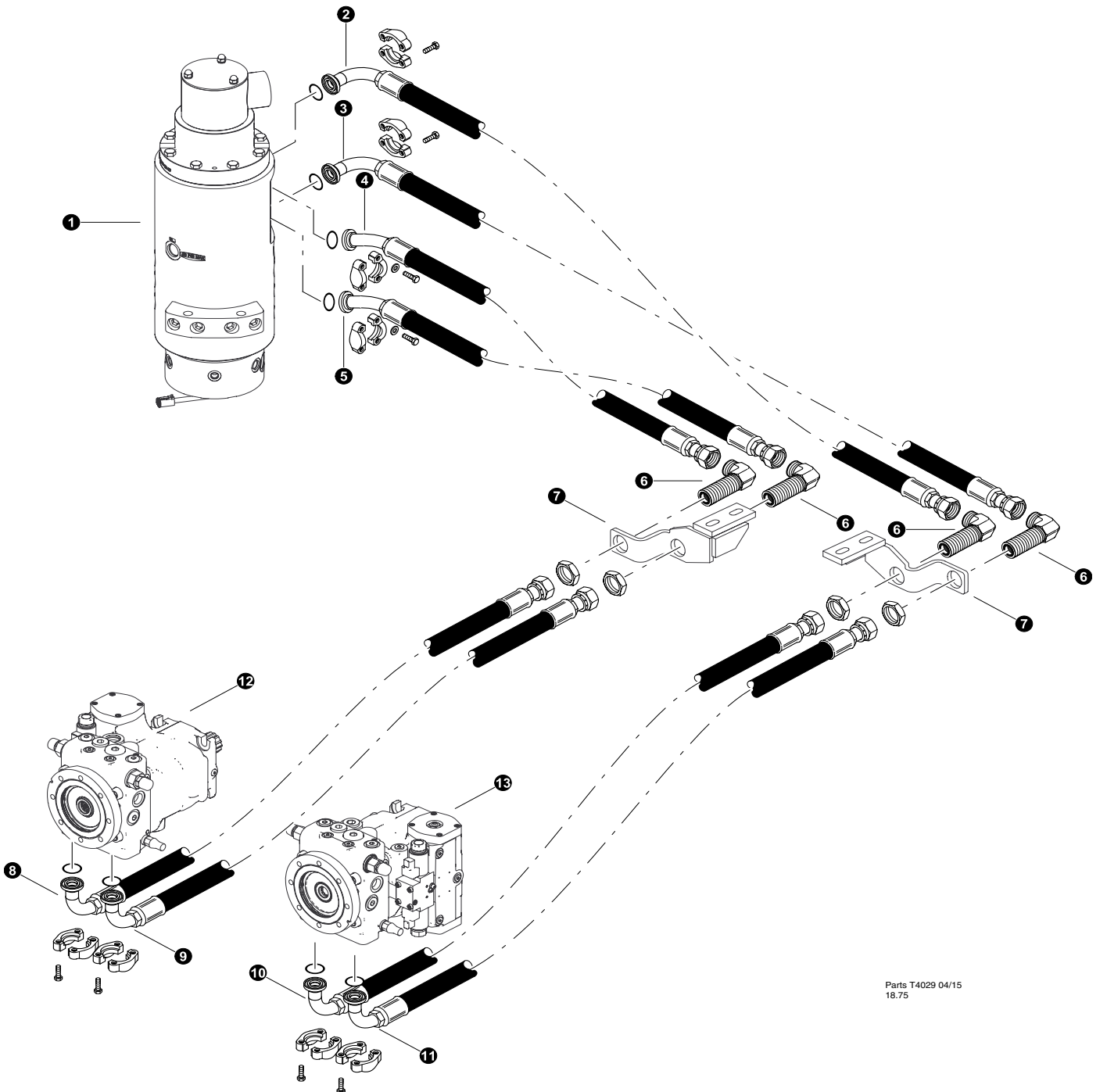
Parts T4028 04/15  
18.75

## 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.



Parts T4029 04/15  
18.75

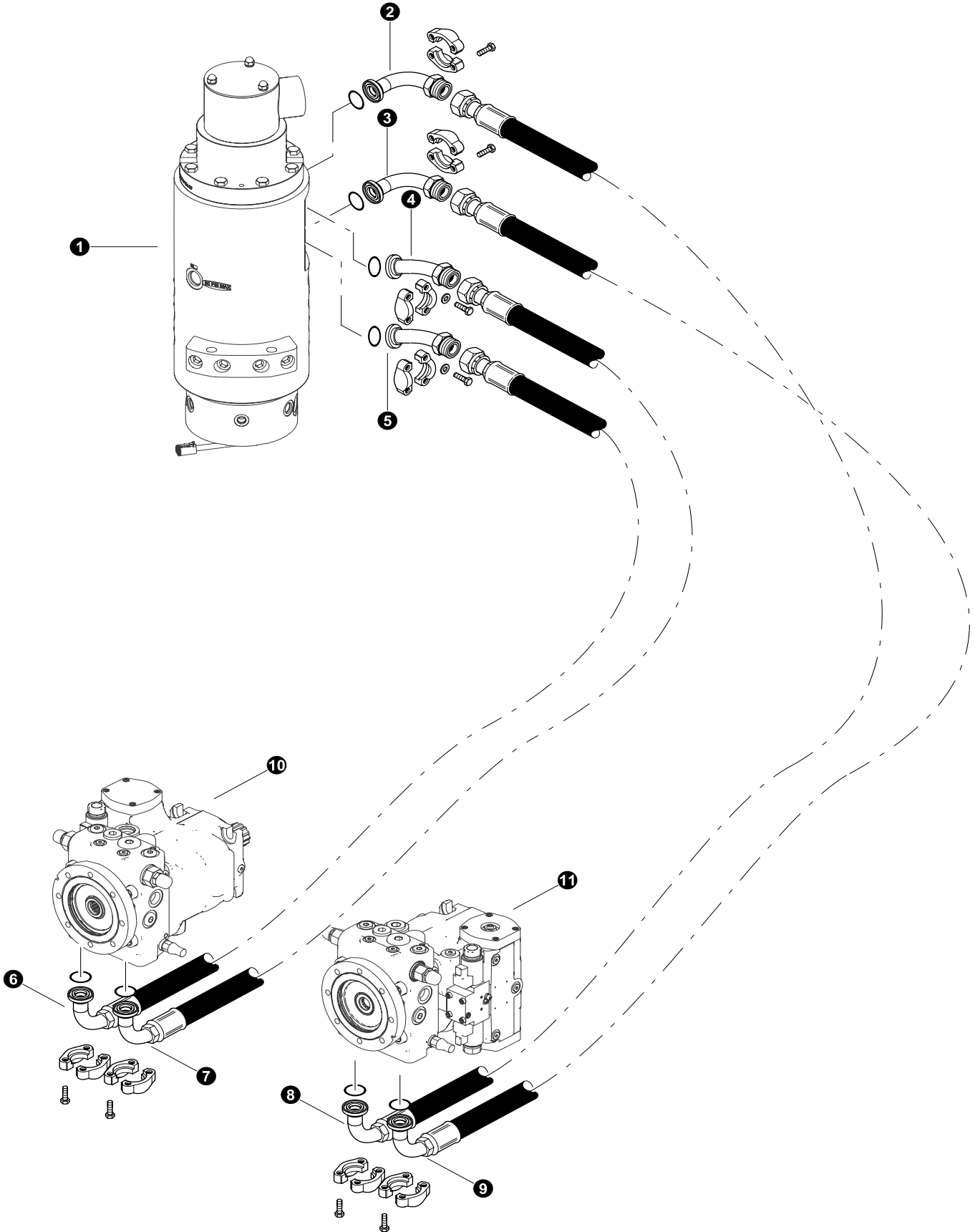
## TRACK DRIVE SYSTEM

### Drive Pump Pressure Connections




REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY MANIFOLD .....	UP-1
2	-DH	1	HOSE ASSEMBLY - 6053.5 16-16OS-16PH9 Bulkhead to RM 12	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
3	-DH	1	HOSE ASSEMBLY - 6055 16-16OS-16PH9 Bulkhead to RM 10	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
4	-DH	1	HOSE ASSEMBLY - 6037.5 16-16OS-16PH4 Bulkhead to RM 11	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
5	-DH	1	HOSE ASSEMBLY - 6039 16-16OS-16PH4 Bulkhead to RM 9	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
6	53680-DH	4	FITTING, BULKHEAD UNION ELBOW 16 WELO-WN	
7	46230-DH	2	WELDMENT, TRACK MACH DRIVE HOSE	
8	-DH	1	HOSE ASSEMBLY - 6020.5 16-16OS-16PH9	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
9	-DH	1	HOSE ASSEMBLY - 6023 16-16OS-16PH9	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
10	-DH	1	HOSE ASSEMBLY - 6027 16-16OS-16PH9	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
11	-DH	1	HOSE ASSEMBLY - 6029.5 16-16OS-16PH9	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
12	REF.	1	 TRACK DRIVE PUMP .....	DH-4
13	REF.	1	 TRACK DRIVE PUMP .....	DH-4



 See referenced page for component or assembly breakdown.

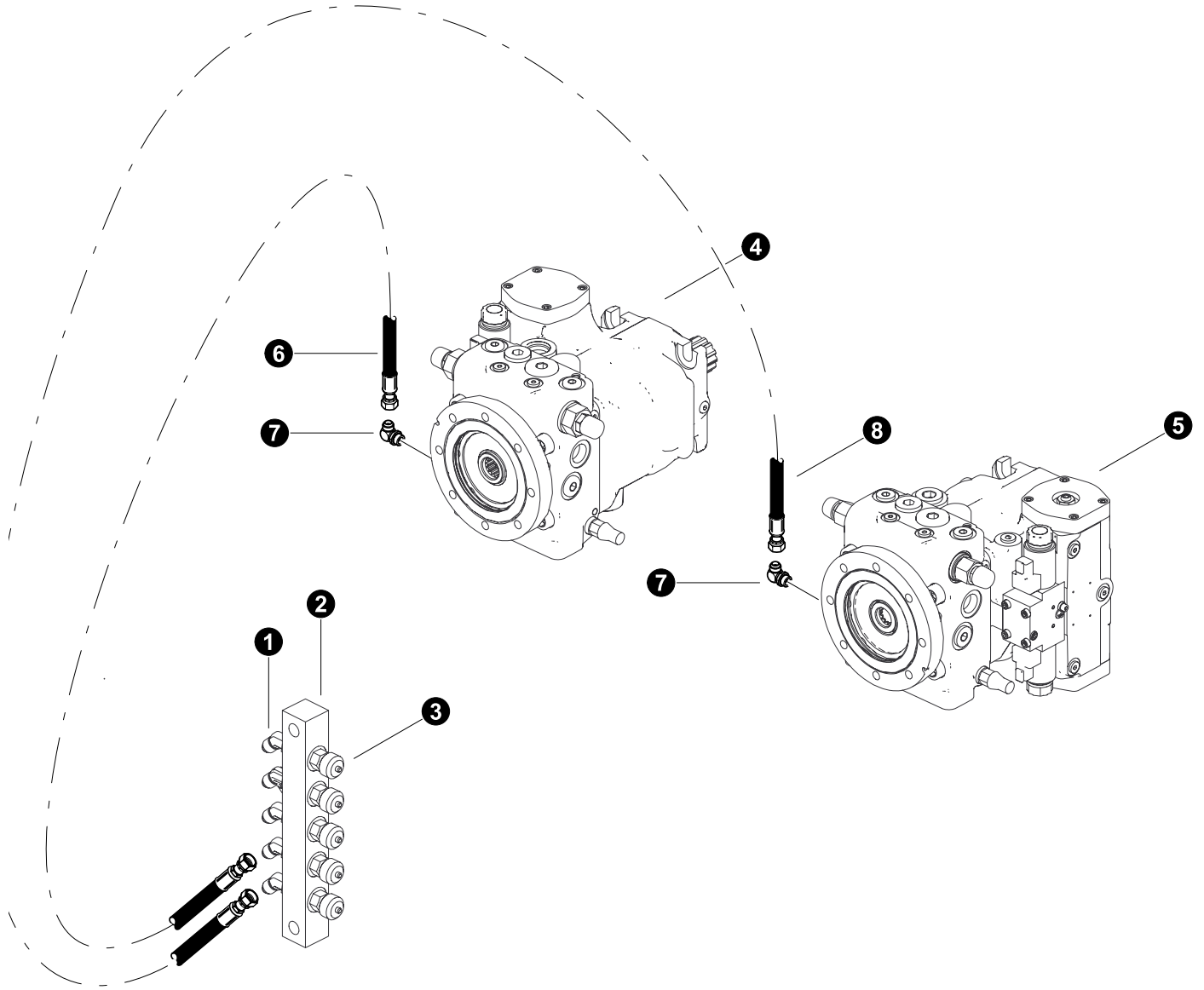
 Kit or Assembly - includes all items indented underneath.



**TRACK DRIVE SYSTEM**  
**Drive Pump Pressure Connections**  
**(Serial number TL735C-0485-012617 and after)**



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY MANIFOLD .....	UP-1
2	20030-DH	1	ADAPTER, 90 FLANGE - 16 LOEQ2-S (C62) RM 12	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
3	20030-DH	1	ADAPTER, 90 FLANGE - 16 LOEQ2-S (C62) RM 10	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
4	57459-DH	1	ADAPTOR, FLANGE 45DEG ORFS CODE 62 RM 11	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
5	57459-DH	1	ADAPTOR, FLANGE 45DEG ORFS CODE 62 RM 9	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
6	-DH	1	HOSE ASSEMBLY - 6058 16-16OS-16PH9	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
7	-DH	1	HOSE ASSEMBLY - 6060 16-16OS-16PH9	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
8	-DH	1	HOSE ASSEMBLY - 6074 16-16OS-16PH9	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
9	-DH	1	HOSE ASSEMBLY - 6076 16-16OS-16PH9	
-	15113-DH	2	KIT, SPLIT FLANGE - 1" (CODE 62)	
10	REF.	1	 TRACK DRIVE PUMP .....	DH-4
11	REF.	1	 TRACK DRIVE PUMP .....	DH-4

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



Parts T4030 04/15  
18.75

## TRACK DRIVE PUMP GAUGE PORTS

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	51884-DH	1	ELBOW, 45 - (4 V50X-S)	
2	22287-DH	1	MANIFOLD, PRESSURE CHECK - 5 PORT	
3	16037-DH	1	Gauge Tap 1/4" Sae	
4	REF.	1	 TRACK Drive Pump .....	DH-4
5	REF.	1	 TRACK Drive Pump .....	DH-4
6	-DH	1	HOSE ASSEMBLY - 7040 -02-04JS-04JS (Left TRACK Drive Pump gauge port to pressure check manifold)	
7	51889-DH	2	ELBOW, 90 - (4C50X-S)	
8	-DH	1	HOSE ASSEMBLY - 7057 -02-04JS-04JS (Right TRACK Drive Pump gauge port to pressure check manifold)	

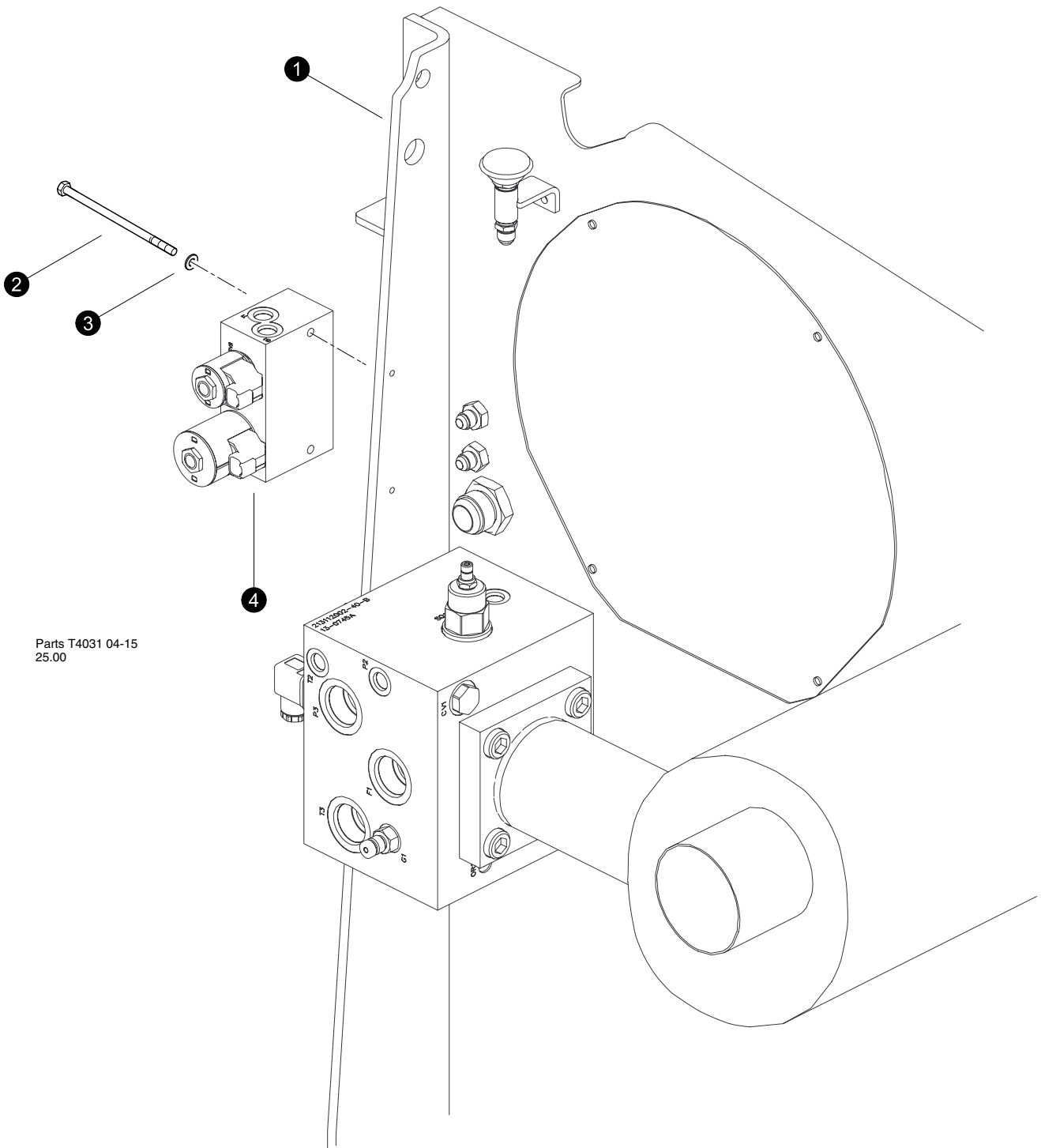
 See referenced page for component or assembly breakdown.



# ***Section DH-3***

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## ***Drive Hydraulics - Motor Shift, Parking Brake, and Flushing***

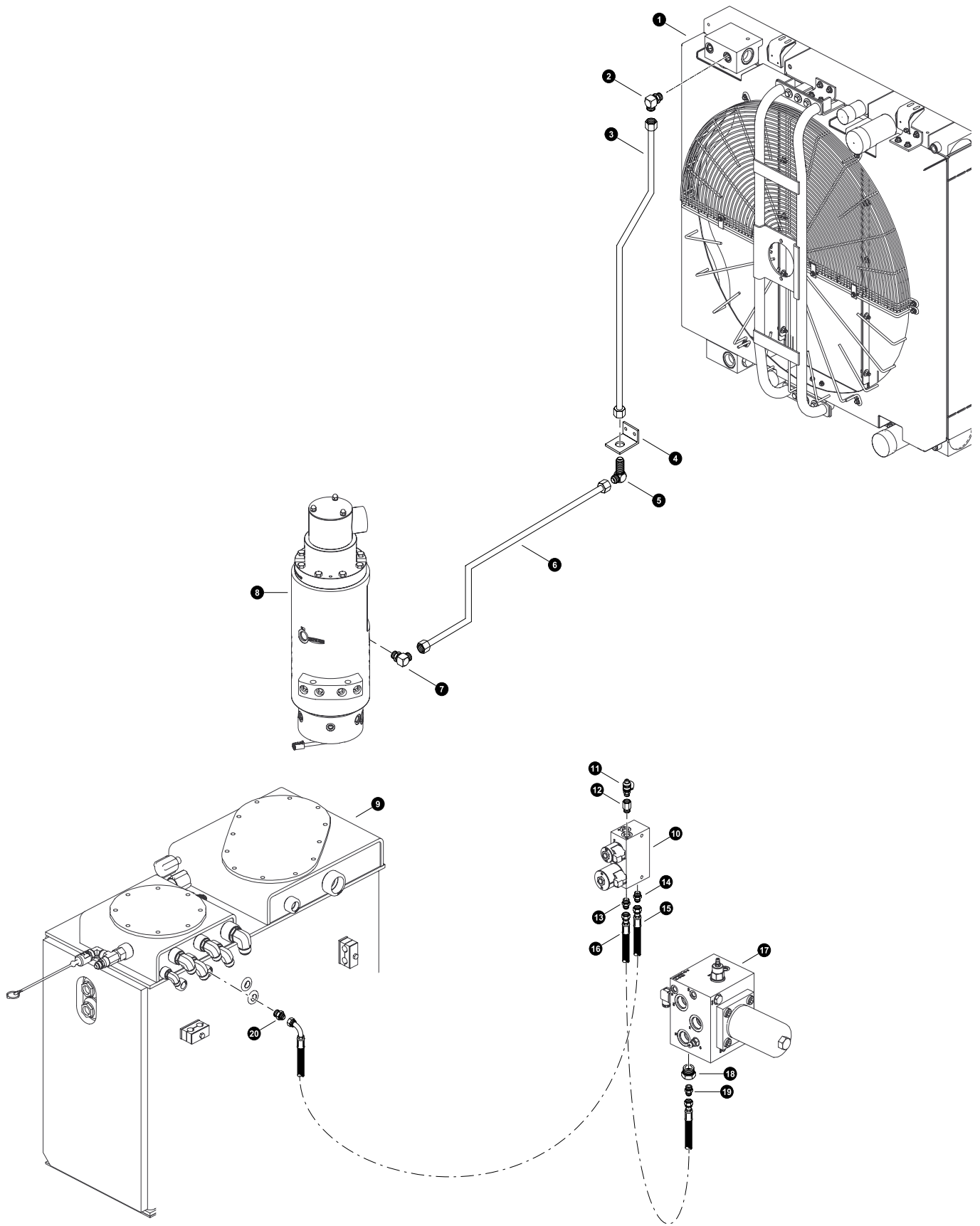


Parts T4031 04-15  
25.00

**Motor Shift, Parking Brake, and Flushing Circuits**  
**(Brake / Shift Manifold Mounting)**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	MOUNT, ENGINE REAR LH CUMMINS TIER 3 . . . . .	EE-1
2	15508-DH	2	BOLT - .25" X 2.5"	
3	10757-DH	2	WASHER, SAE FLAT - .25"	
4	REF	1	MANIFOLD, BRAKE / SHIFT W/FLUSH TRACK. . . . .	DH-3




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





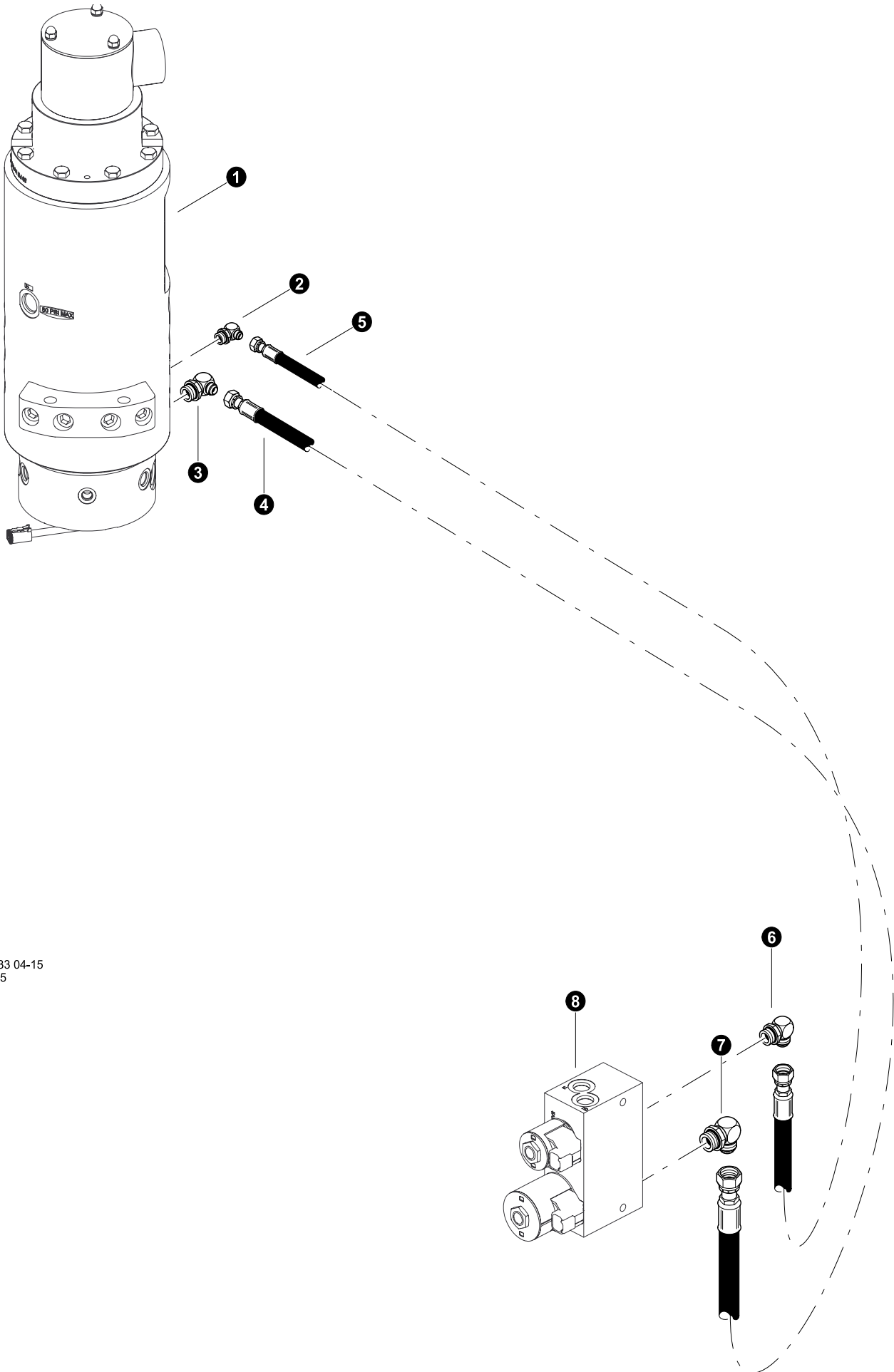
Parts T4032 05/15  
25.00

## Motor Shift, Parking Brake, and Flushing Circuits

(BRAKE / SHIFT MANIFOLD - PRESSURE AND TANK)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	 RADIATOR / CHARGE AIR ASSEMBLY .....	UP-3
2	11306-DH	1	ELBOW, 90 12 C5OX-S	
3	55245-DH	1	TUBELINE, TOP OIL TO FLUSH BH	
4	46342-DH	1	BRACKET, BH FLUSH LINE - C MODEL	
5	54704-DH	1	ELBOW, 90 BULK 12 WETX-WLN-S (12 JIC MM)	
6	55663-DH	1	TUBELINE, RM #7 TO FLUSH BH	
7	11306-DH	1	ELBOW, 90 12 C5OX-S	
8	REF. 1		 ROTORY MANIFOLD .....	UP-1
9	REF. 1		 HYDRAULIC TANK .....	UP-2
10	REF	1	MANIFOLD, BRAKE / SHIFT W/FLUSH TRACK.....	DH-3
11	16037-DH	1	TAP, GAUGE PORT - .25" SAE	
12	16294-DH	1	BUSHING, REDUCER - 6410-6-4	
13	15488-DH	1	CONNECTOR, STR - 6400-6	
14	15488-DH	1	CONNECTOR, STR - 6400-6	
15	-DH	1	HOSE ASSEMBLY - 2034-06-06OS-06O4 (Hydraulic Tank to .. Parking Brake / Motor Shift manifold T1)	
16	-DH	1	HOSE ASSEMBLY - 2026-06-06JS-06JS (Charge Manifold "F2" to Parking Brake / Motor Shift manifold P1)	
17	-DH	1	CHARGE VALVE / FILTER ASSEMBLY .....	DH-4
18	16719-DH	1	BUSHING, REDUCER - 6410-16-8	
19	53103-DH	1	FITTING, 6-8 - ORB-JIC 830-B	
20	53103-DH	1	FITTING, 6-8 - ORB-JIC 830-B	

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



T4033 04-15  
18.75

## Motor Shift, Parking Brake, and Flushing Circuits (MOTOR SHIFT AND PARKING BRAKE)

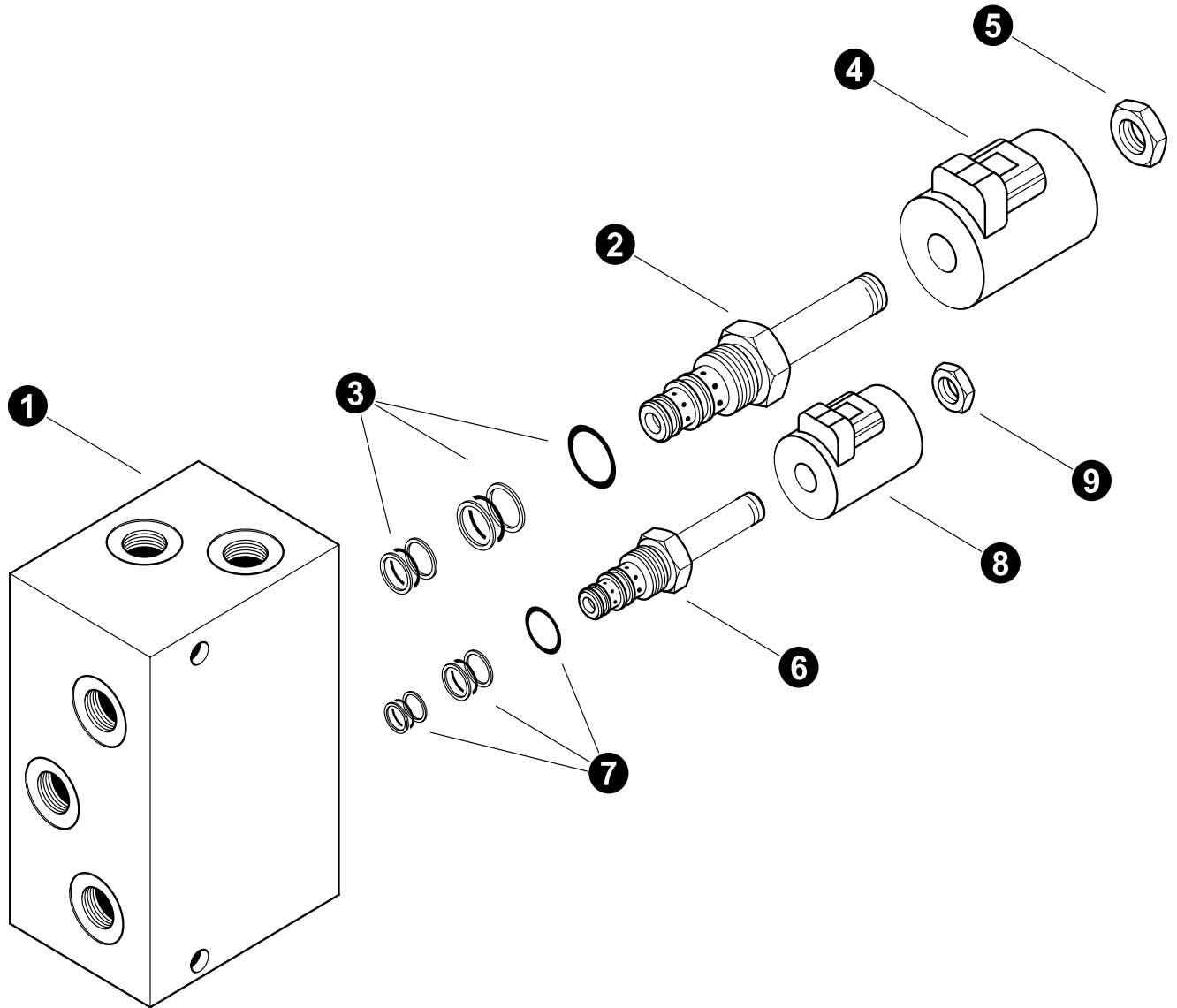
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	Rotary Manifold. . . . .	UP-1
2	51931-DH	1	ELBOW, 90 - 4-6 C50X-S (JIC)	
3	15480-DH	1	ELBOW, 90 - 6801-6	
4	-DH	1	HOSE ASSEMBLY - 2061-06-06JS-06JS (Brake / Shift manifold tank port BR to rotary manifold Port #1)	
5	-DH	1	HOSE ASSEMBLY - 2064-04-04JS-04JS (Brake / Shift manifold tank port MS to rotary manifold Port #3)	
6	51931-DH	1	ELBOW, 90 - 4-6 C50X-S (JIC)	
7	15480-DH	1	ELBOW, 90 - 6801-6	
8	REF	1	MANIFOLD, BRAKE / SHIFT W/FLUSH TRACK. . . . .	DH-3



See referenced page for component breakdown.



Kit or Assembly - includes all items indented underneath.



Parts T3754 11/08  
50

## Motor Shift, Parking Brake, and Flushing Circuits (Brake / Shift Manifold Breakdown)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	52581-DH	1	MANIFOLD, BRAKE / SHIFT W/FLUSH TRACK	
2	53733-DH	1	VALVE, SOLENOID - Parking Brake - TM	
3	53735-DH	1	KIT, seal - parking brake solenoid (SK10-3X-MM)	
4	53736-DH	1	COIL, (4304124)	
5	-DH	1	NUT, (7004400)	
6	53734-DH	1	VALVE, SOLENOID - Motor Shift - TM	
7	52228-DH	1	KIT, seal - parking brake solenoid (SK08-3X-MM)	
8	53737-DH	1	COIL, (4304024)	
9	-DH	1	NUT, (7004400)	



See referenced page for component breakdown.



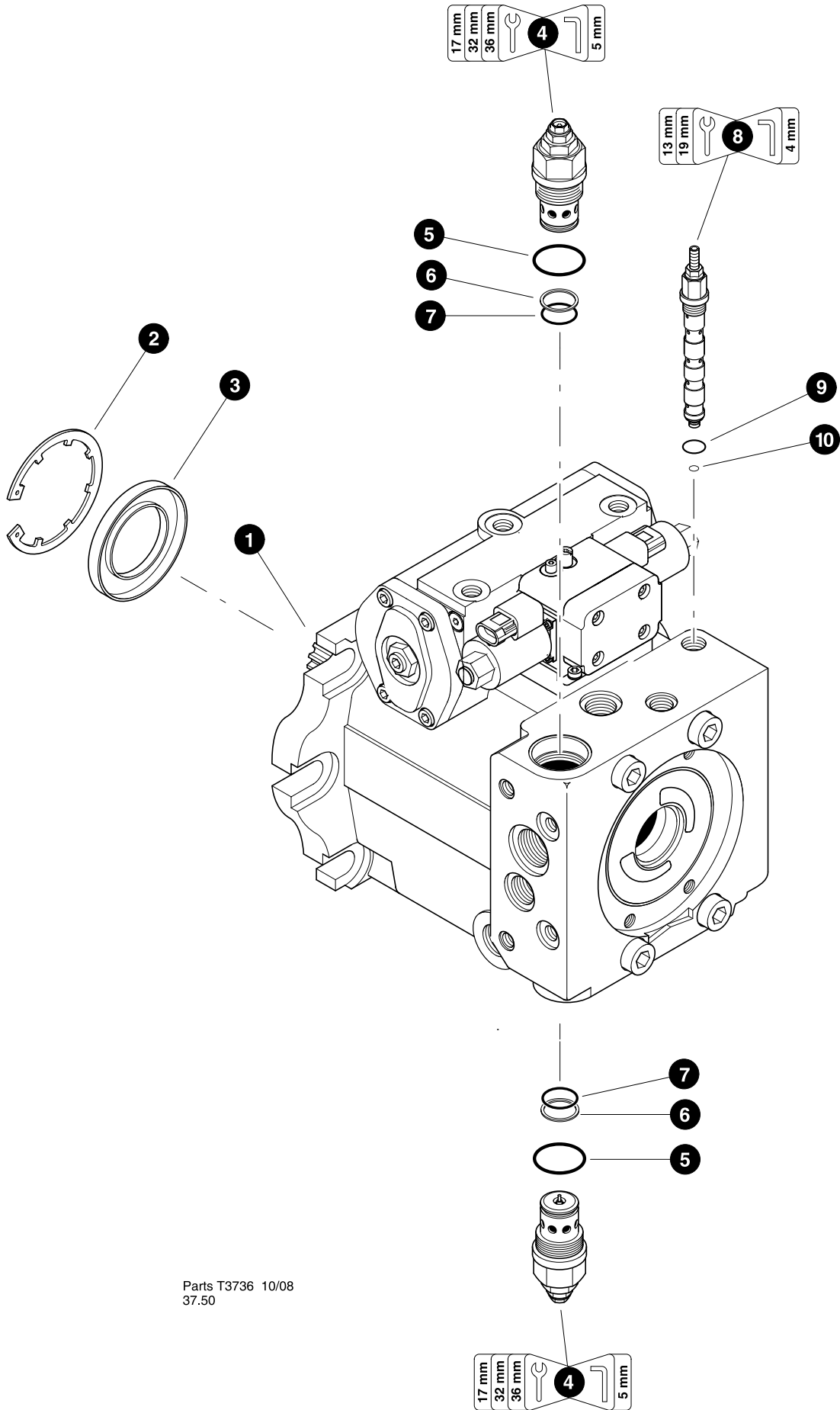
Kit or Assembly - includes all items indented underneath.



# ***Section DH-4***

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## ***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.



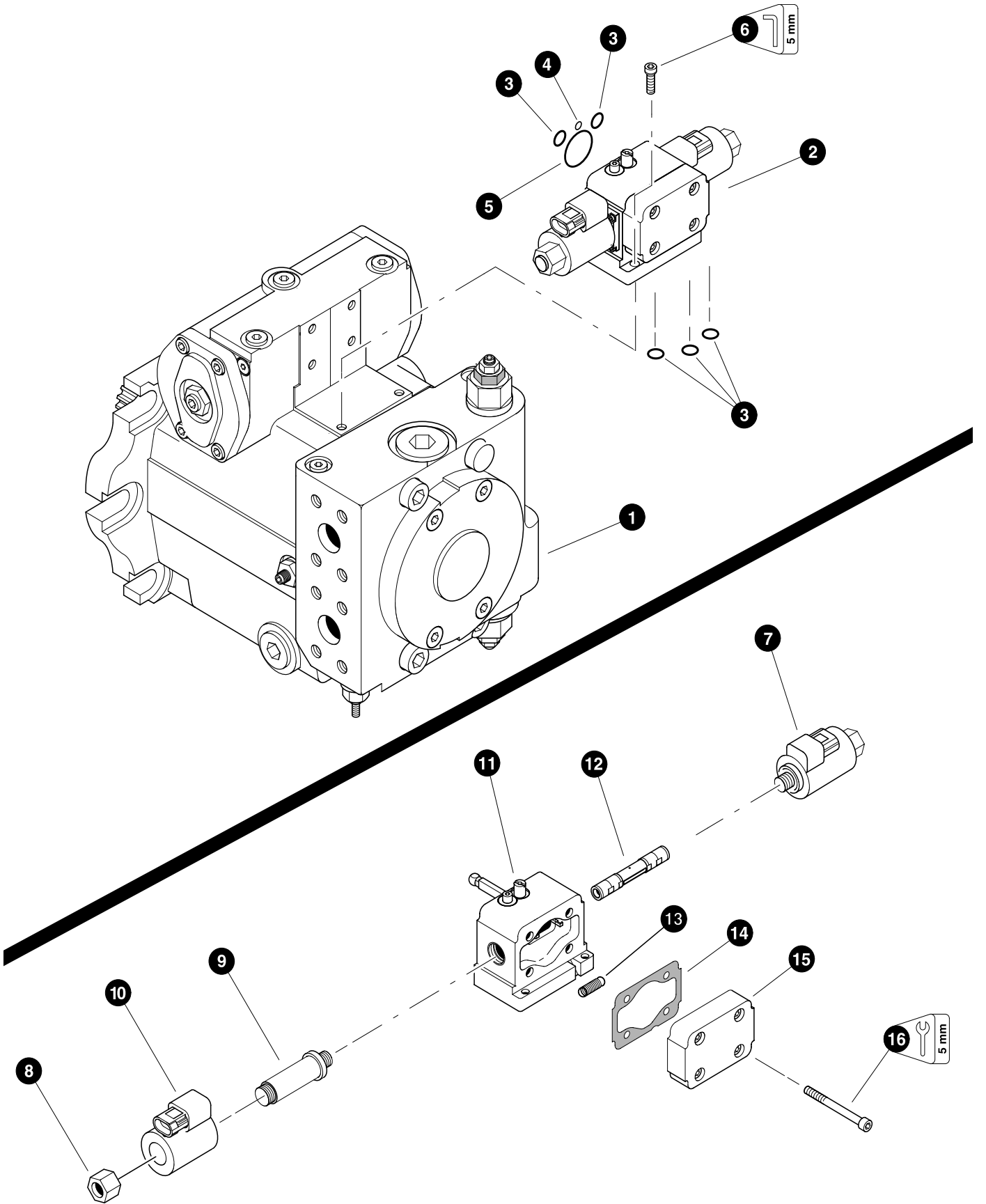
See referenced page for component breakdown.









Kit or Assembly - includes all items indented underneath.



Included in seal repair kit Part # 53640-WD






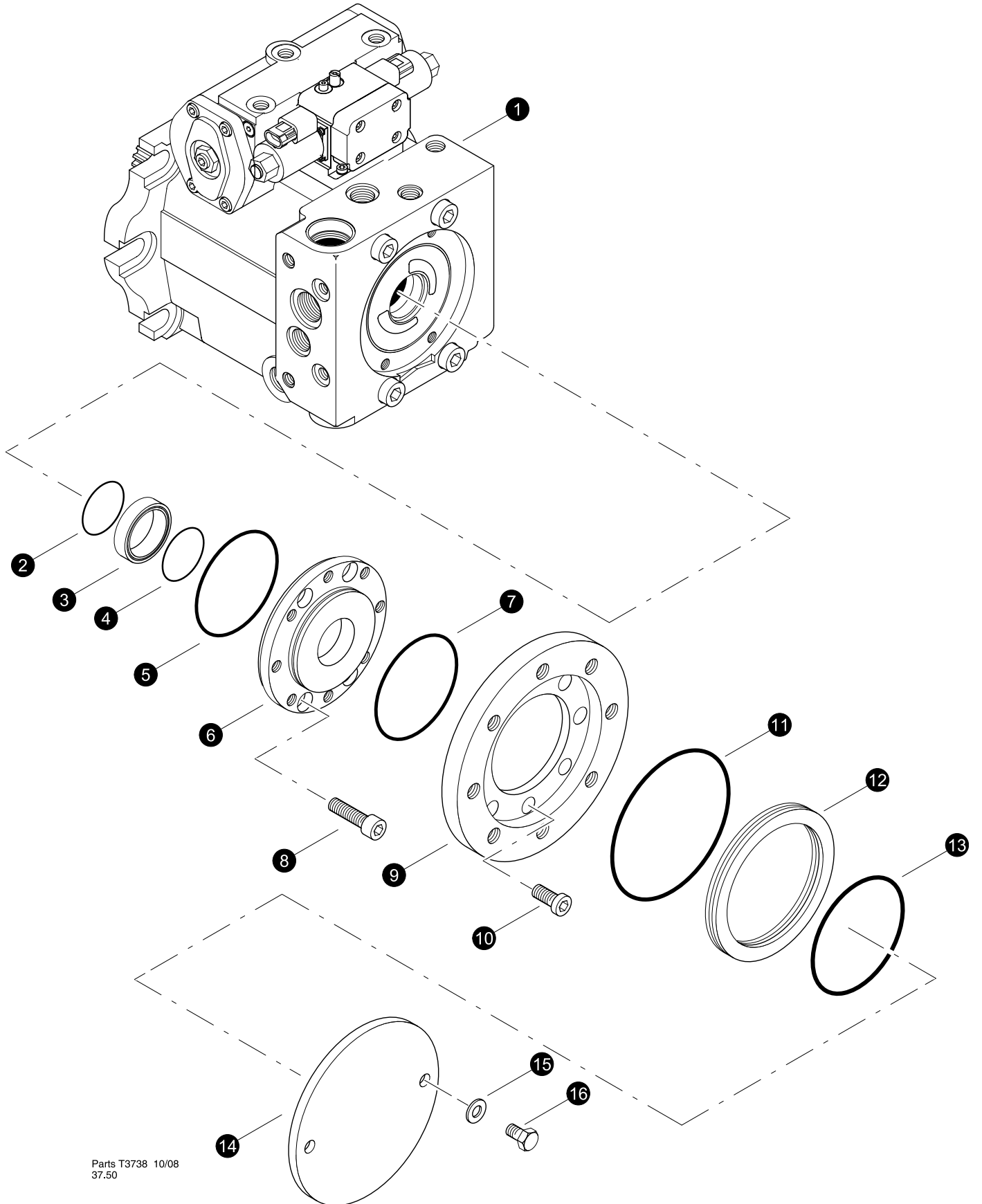
## TRACK DRIVE PUMP - AA4VG90 (Stroke Control Assembly)

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



Parts T3738 10/08  
37.50

**TRACK DRIVE PUMP - AA4VG90  
(Thru Drive Components)**

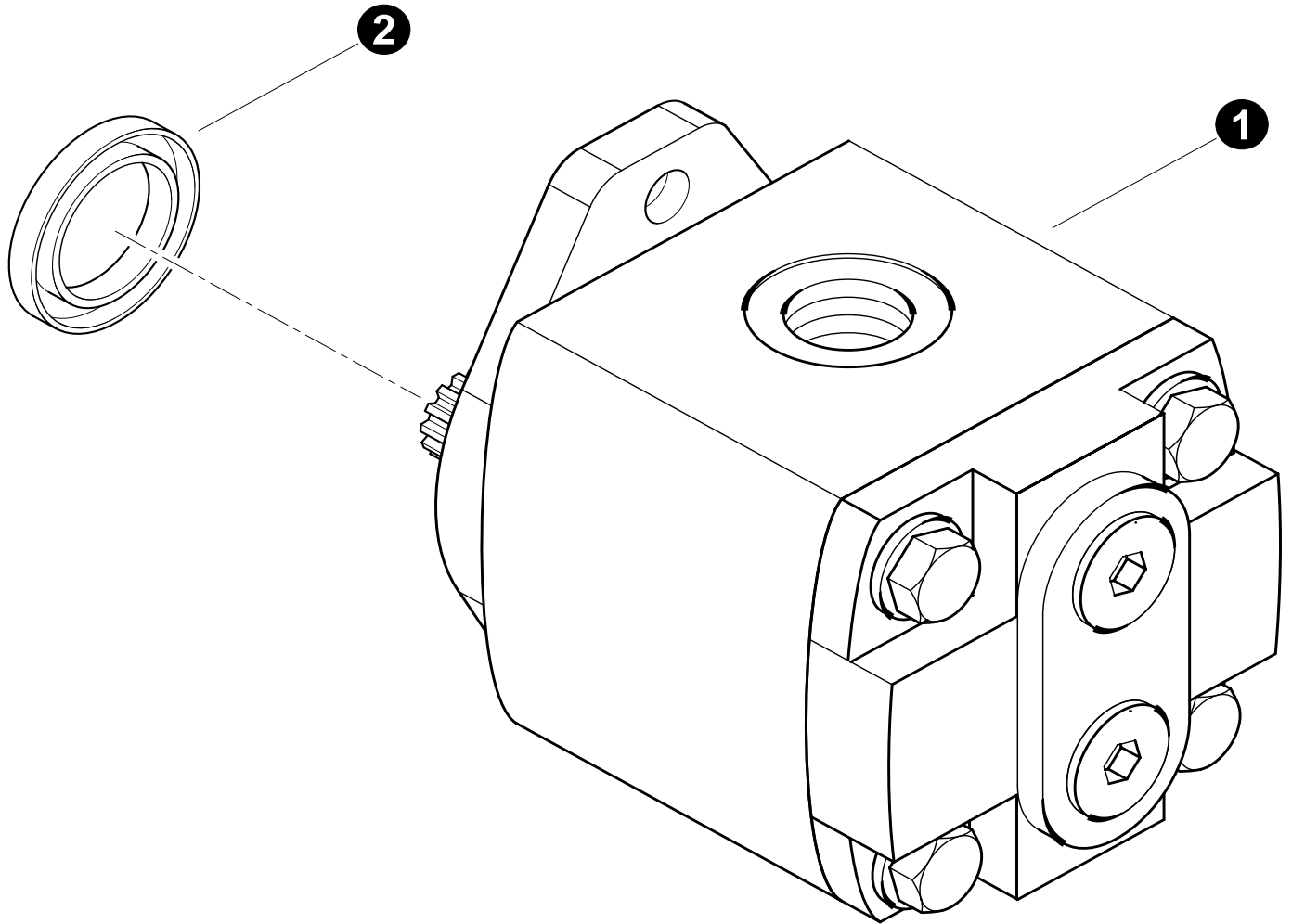
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		TRACK DRIVE PUMP - .....	DH-4-1
2	R909084484	1		O-Ring	
3	R9094430651	1		SEAL RING	
4	R909084484	1		O-Ring	
5	R909086679	1		O-Ring	
6	R902077958	1		COVER, Pump AA4VG90	
7	R909085360	1		O-Ring	
8	R909083060	4		Bolt,	
9	R909444589	1		FLANGE, Intermediate	
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



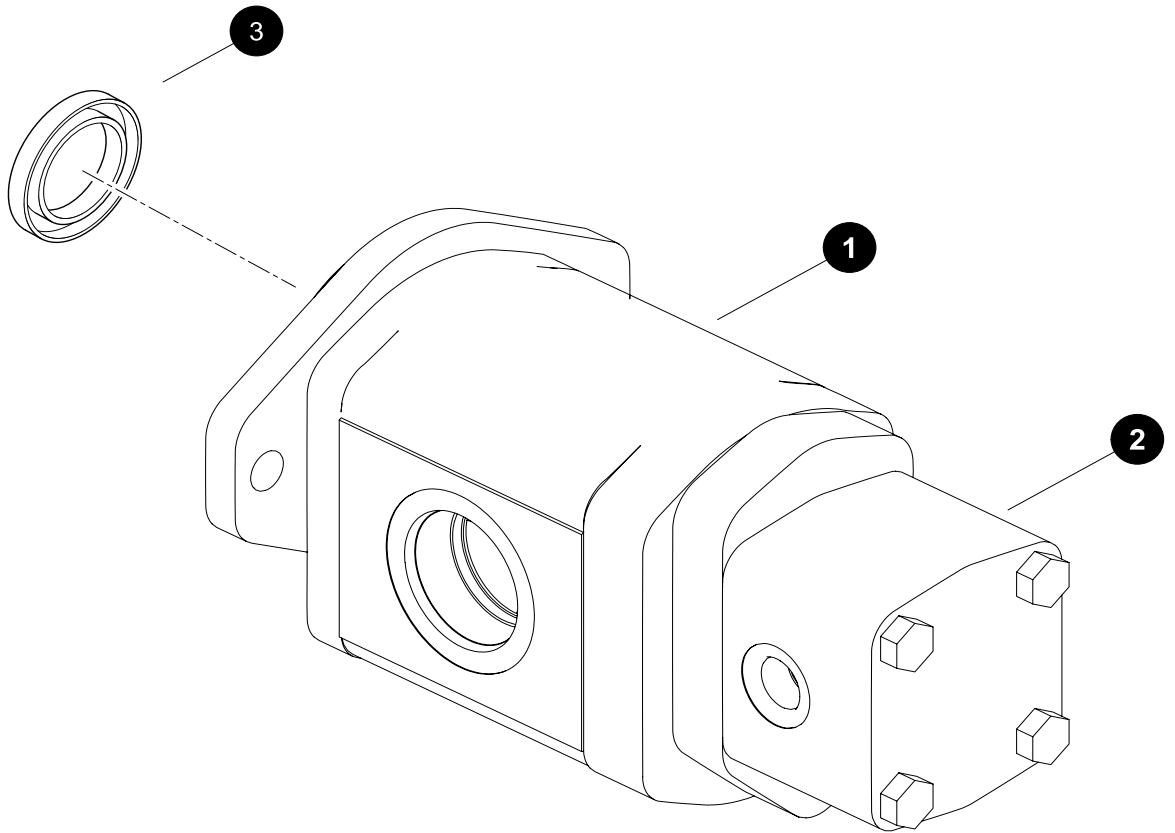
Parts T3739 10/08  
50.00

## Charge Pump Breakdown

### Single (Early C Models)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	52566-DH	1	<input type="checkbox"/> PUMP, CHARGE TRACK MACHINE SEAL, shaft - Track charge pump	
2	55409-DH	1		
-	55428-DH	1	KIT, Seal - Charge Pump	

Kit or Assembly - includes all items indented underneath.



Parts T3739 10/08  
50.00

## Charge Pump Breakdown

### Dual Pump

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	57609-DH	1	<input type="checkbox"/> 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

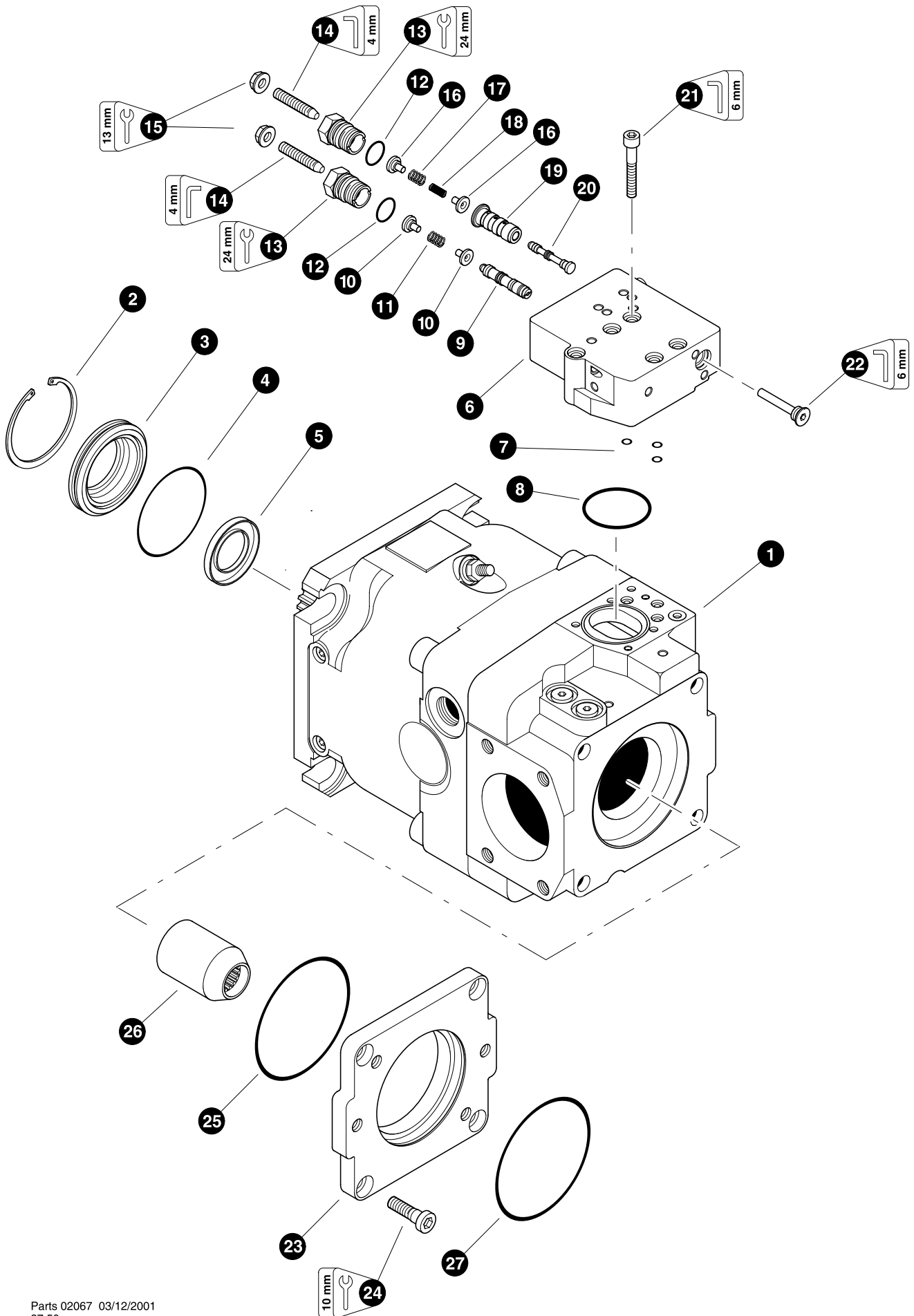
Kit or Assembly - includes all items indented underneath.



# ***Section FH-1***

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## ***Feller Buncher Hydraulics - Implement Pump and Control Valve***



Parts 02067 03/12/2001  
37.50

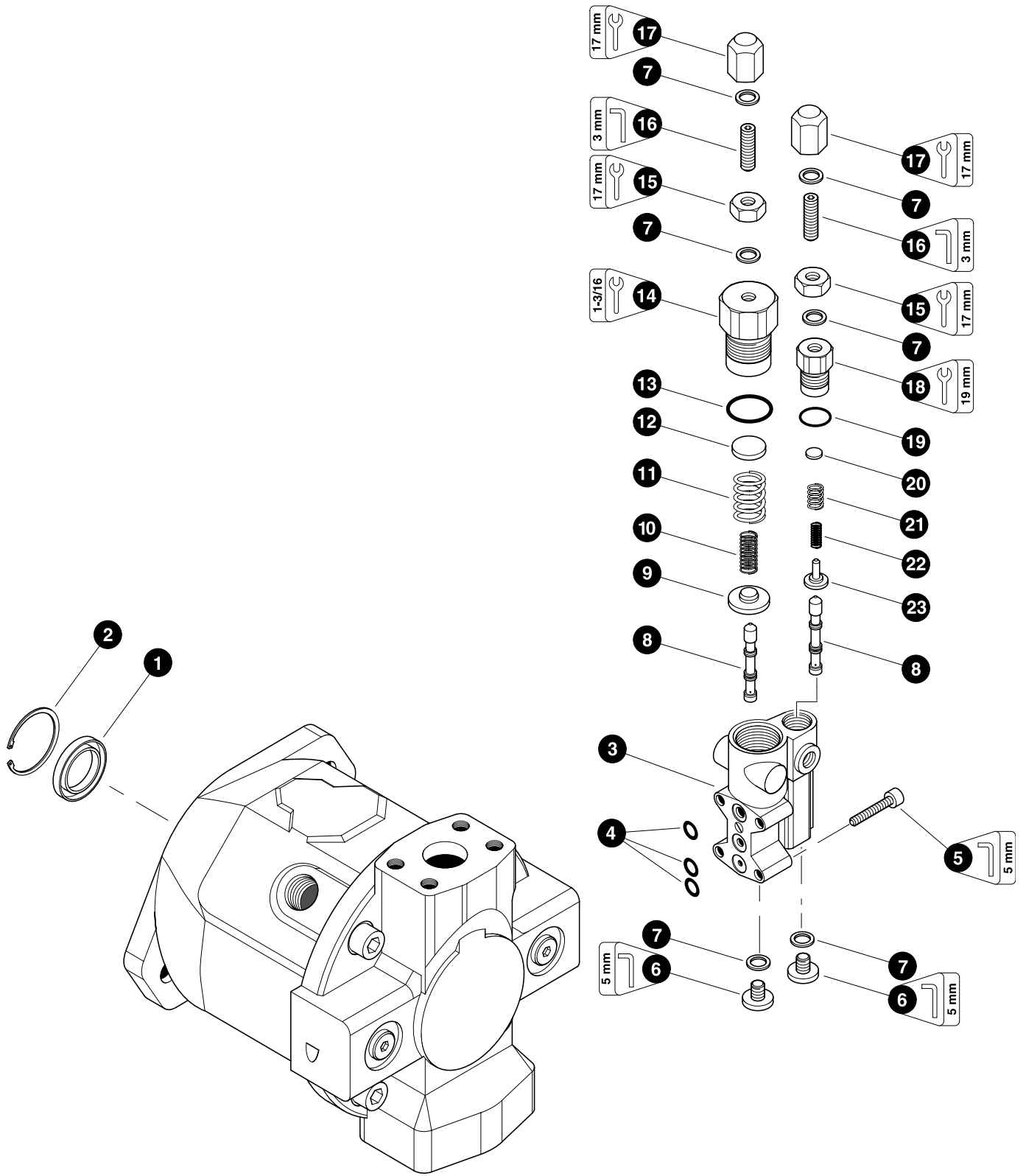
## IMPLEMENT PUMP (Rexroth 145cc)

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.



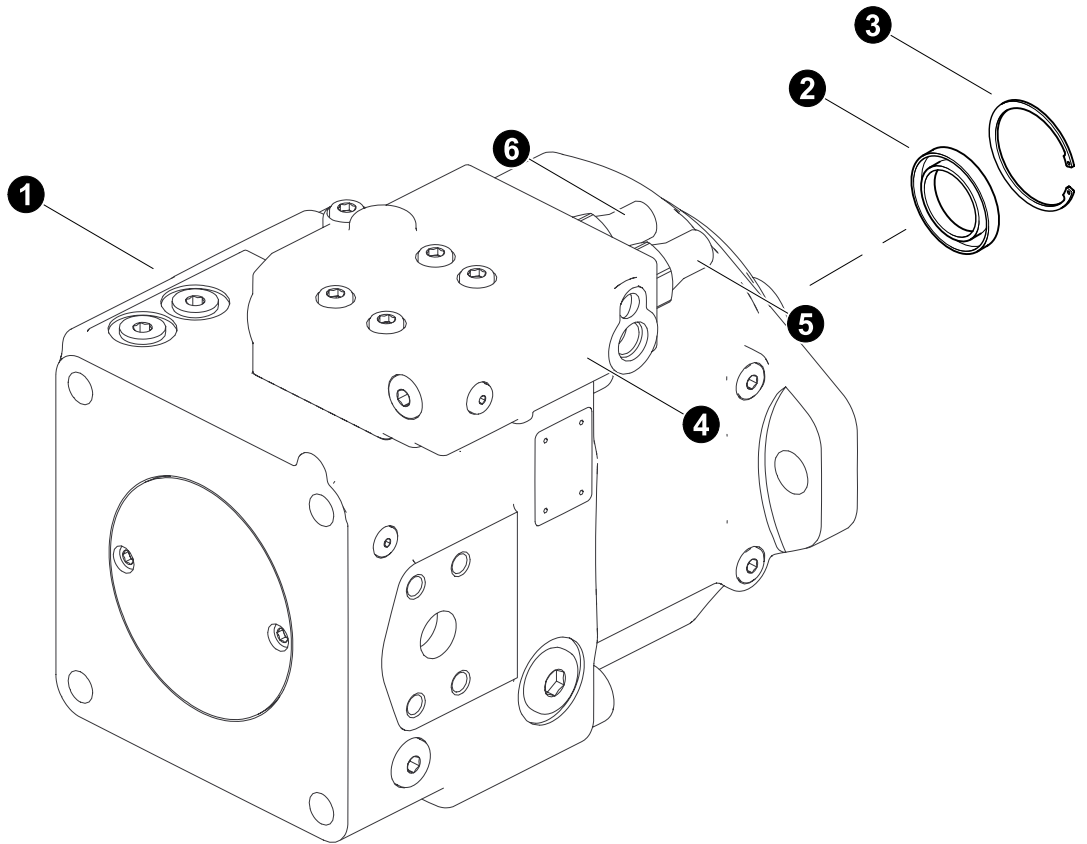
Parts 00867 01/01/2001  
50.00

## AUX - DISC SAW PUMP (45 cc)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
--	15317-FH	1	☐	PUMP, disc saw	
1	15890-FH	1	⌘	SEAL, shaft	
2	21581-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-FH.



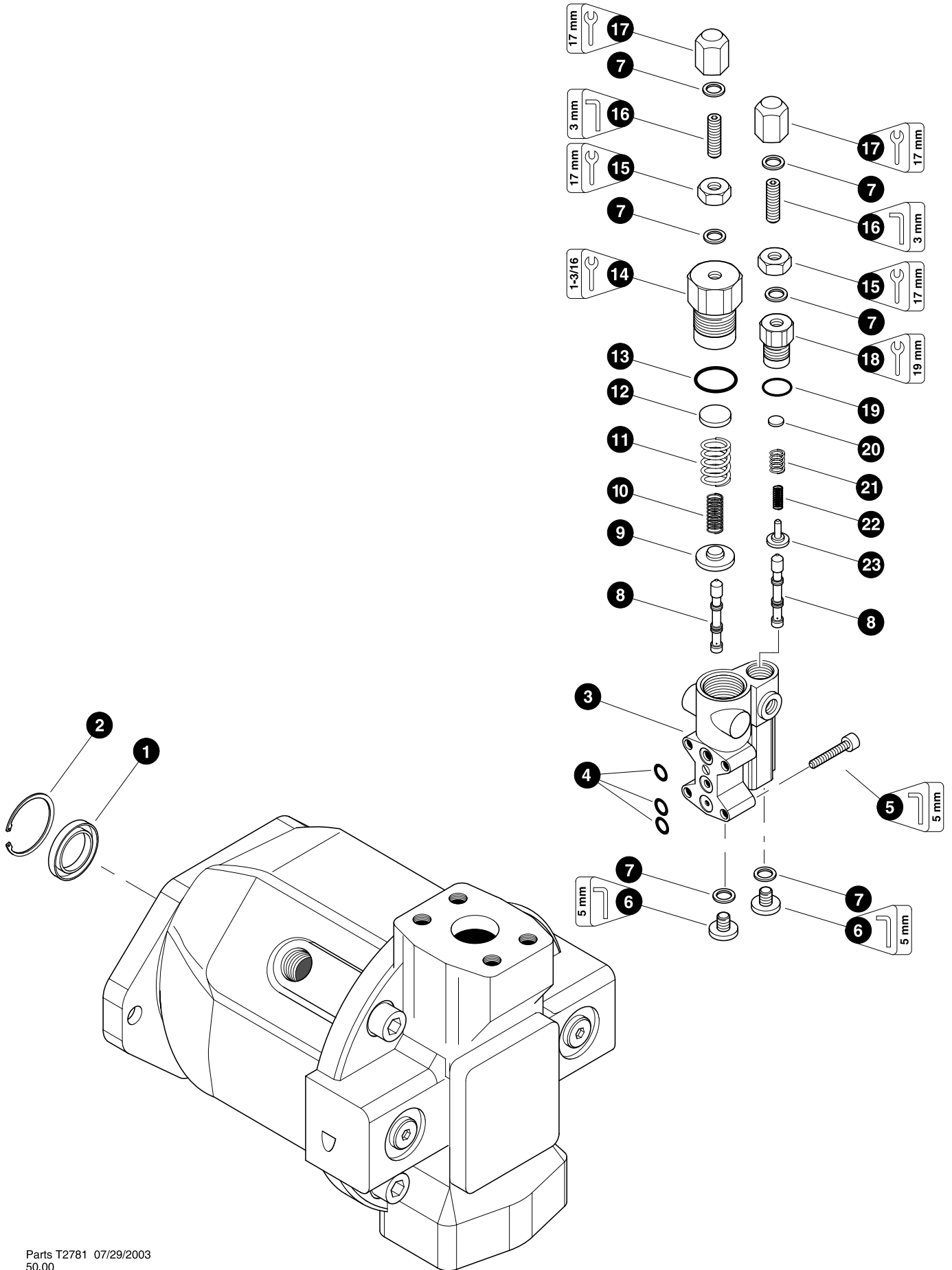
Parts T4080 05/15  
50.00

## AUX - DISC SAW PUMP

### High Pressure (60cc)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	54523-FH	1	<input type="checkbox"/> PUMP, DISC SAW - HIGH PRESSURE (60CC)	
2	R909083416	1	RETAINING RING	
3	R909831179	1	SHAFT SEAL RING	
4	R909608948	1	<input type="checkbox"/> CONTROLER	
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.

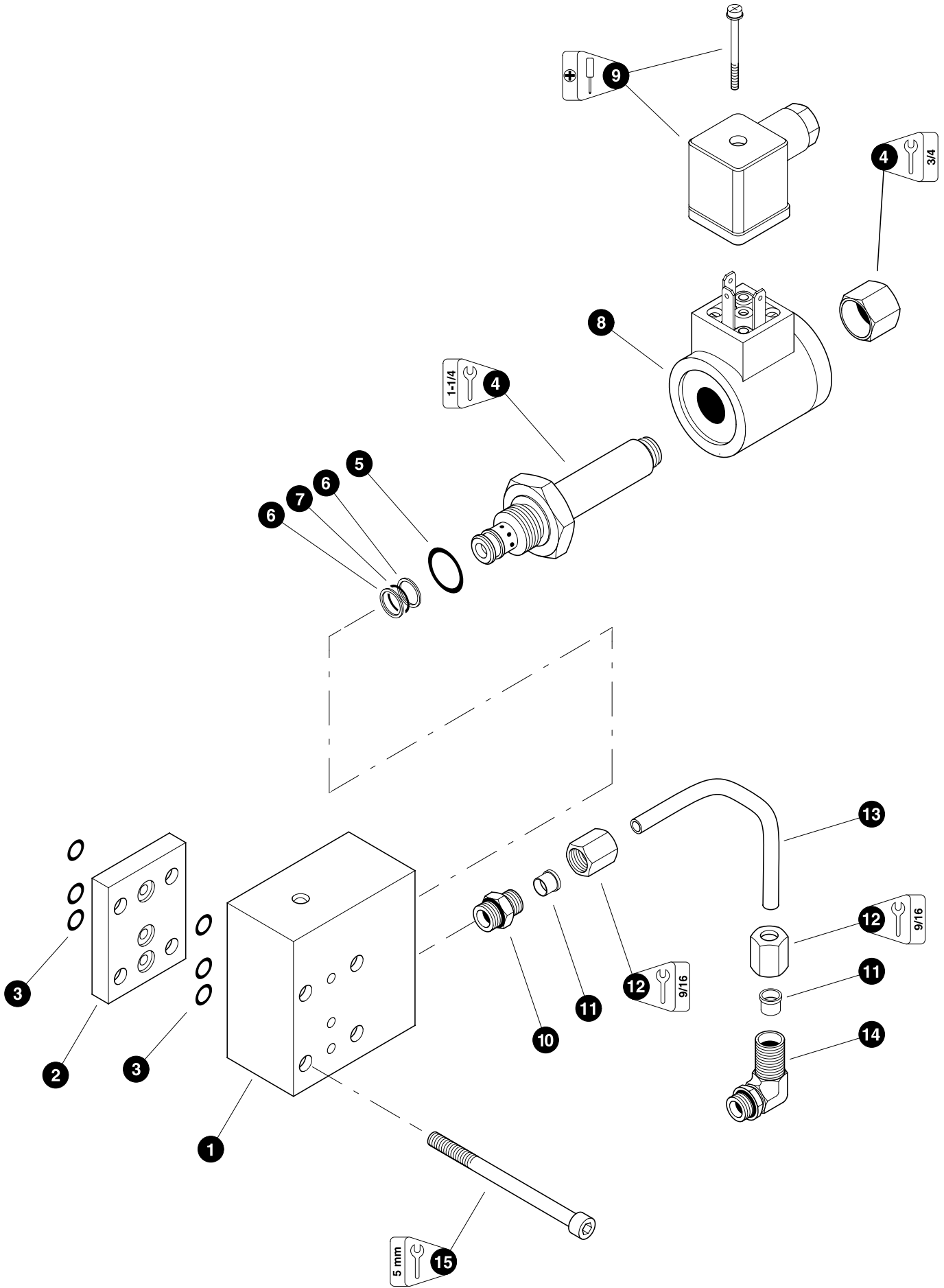


Parts T2781 07/29/2003  
50.00

## 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.



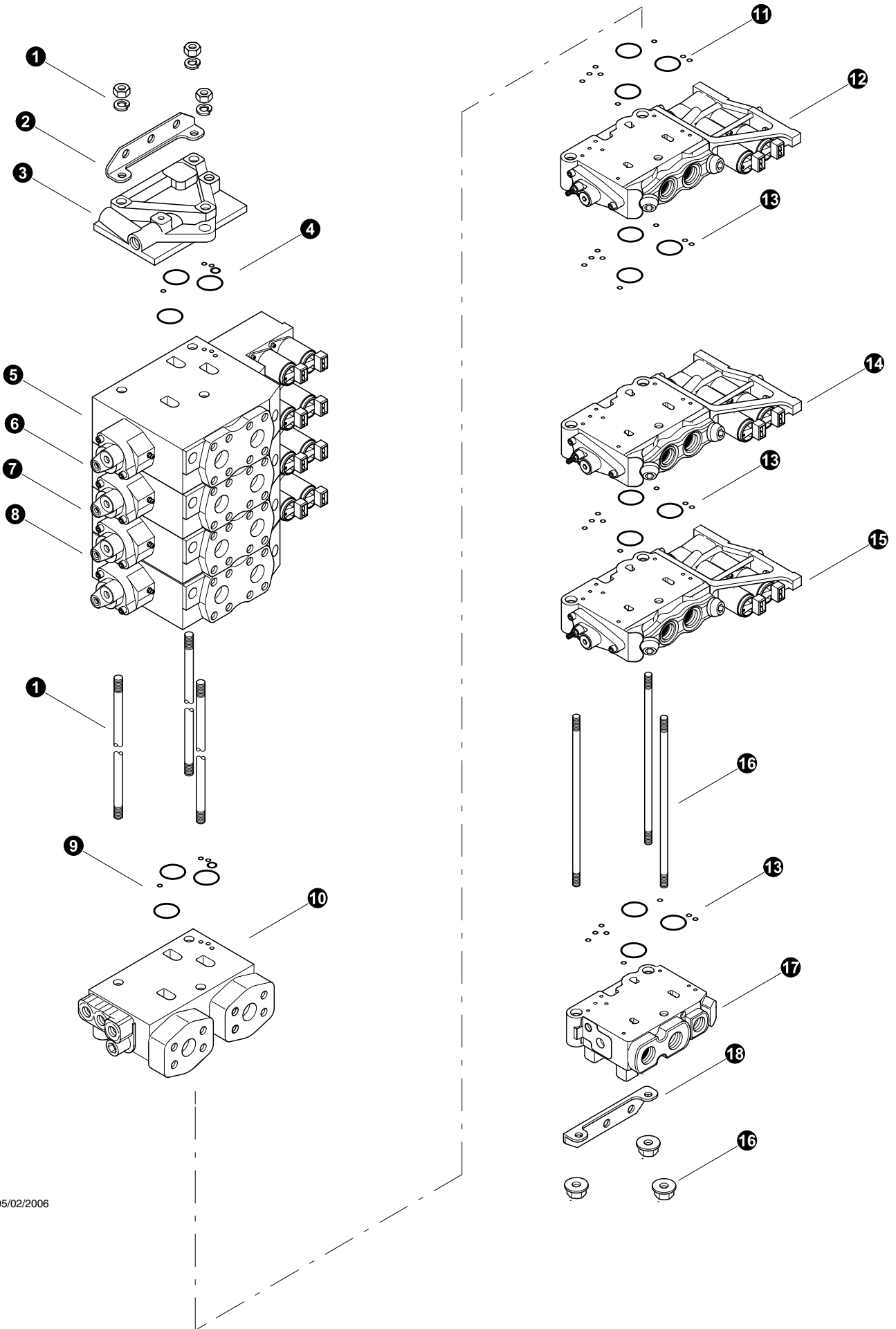
Parts 01325 01/01/2001  
75.00

## 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.



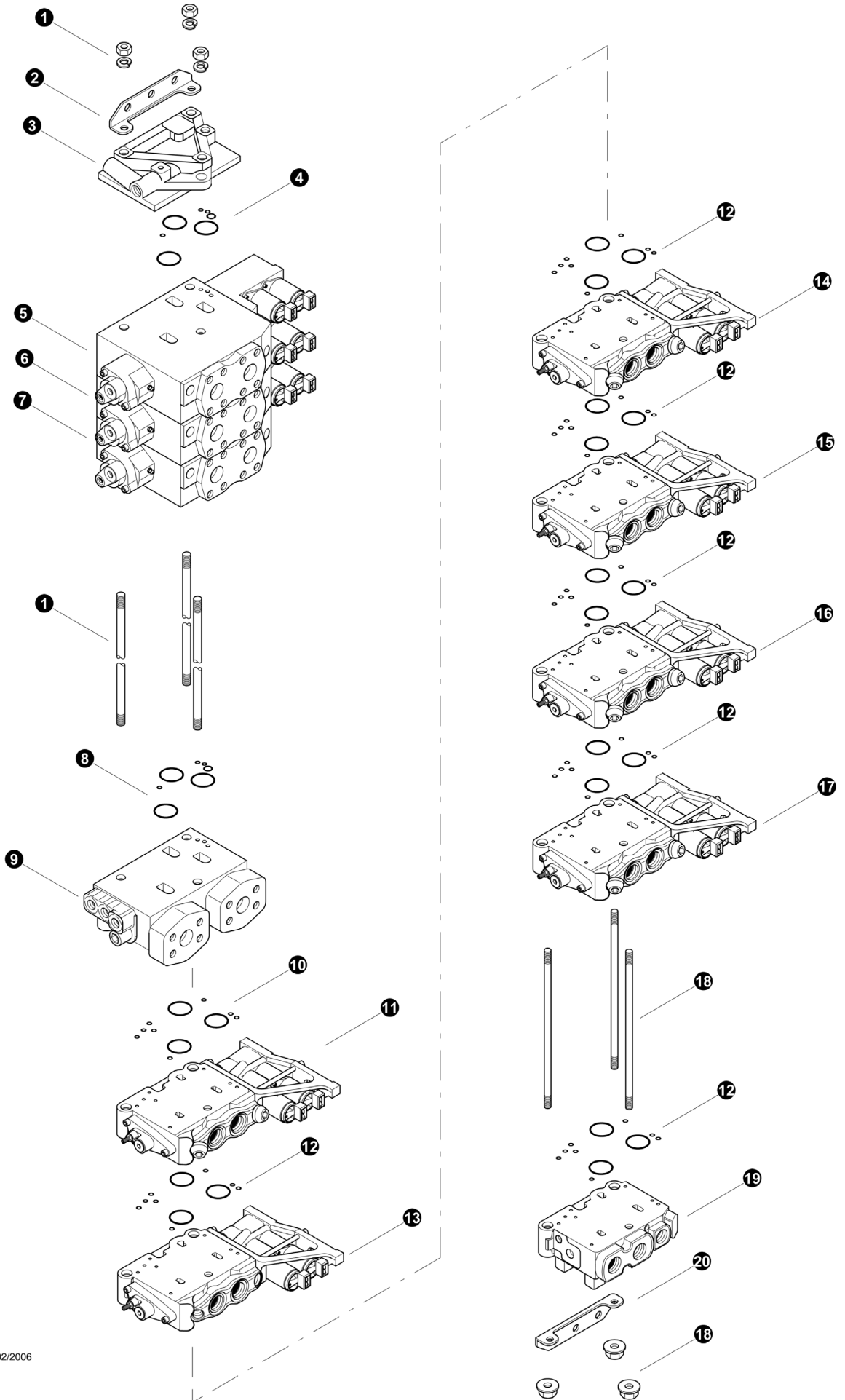
Parts T3467 05/02/2006  
25.00

## MAIN CONTROL VALVE (Fixed Harvester)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	52360-FH	1	VALVE, MAIN - IMP (4K220/3L90) 630 ROLLY	
1	---	1	ROD, tie - K220 (4-Section span) (9120092373)	
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 - Stick Cylinder function . . . . .	FH-1
6	REF.	1	 VALVE SECTION - Tool Tilt Boom function . . . . .	FH-1
7	REF.	1	 VALVE SECTION - Harvester - High Flow . . . . .	FH-1
8	REF.	1	 VALVE SECTION - Main Boom function . . . . .	FH-1
9	24649-FH	1	KIT, Seals - Voac Parting "K" (9120092315)	
10	REF.	1	 MID INLET / OUTLET . . . . .	FH-1
11	23404-FH	1	KIT, Seals - Voac Parting "L" (393000K820)	
12	REF.	1	 VALVE SECTION - Harvester - Low Flow . . . . .	FH-1
13	---	1	KIT, Seals - Voac Parting "L" (393000K820)	
14	REF.	1	 VALVE SECTION - (optional) Cab Level . . . . .	FH-1
15	REF.	1	 VALVE SECTION - Steer Cylinder . . . . .	FH-1
16	---	1	KIT, Tie Rods and Nuts - L90 (3-Section span) (393000K002)	
16	---	1	KIT, Tie Rods and Nuts - L90 (4-Section span) (393000K003)	
17	REF.	1	COVER, L90 valve outlet. . . . .	FH-1
18	---	1	KIT, Bracket - L90 (393000K824)	











-  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.***



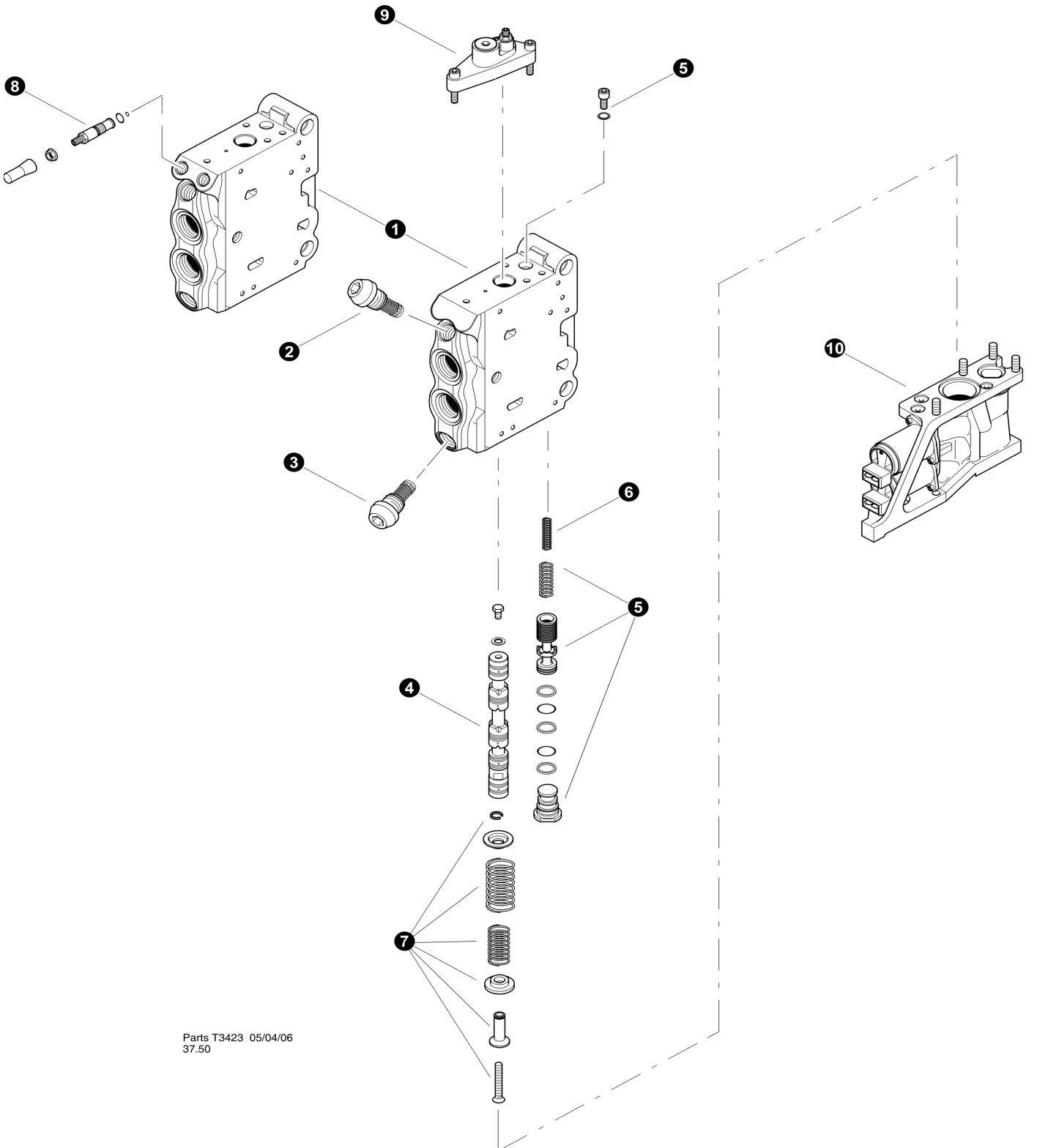
Parts T3468 05/02/2006  
25.00

## MAIN CONTROL VALVE (Disc Saw / Bar Saw)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	52491-FH	1	VALVE, MAIN - IMP (3K220/6L90) DISC SAW 630	
1	---	1	ROD, tie - K220 (3-Section span) (9120092372)	
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 - Stick Cylinder function . . . . .	FH-1
6	REF.	1	 VALVE SECTION - Tool Tilt Boom function . . . . .	FH-1
7	REF.	1	 VALVE SECTION - Saw function . . . . .	FH-1
8	REF.	1	 VALVE SECTION - Main Boom function . . . . .	FH-1
9	24649-FH	1	KIT, Seals - Voac Parting "K" (9120092315)	
10	REF.	1	 MID INLET / OUTLET . . . . .	FH-1
11	23404-FH	1	KIT, Seals - Voac Parting "L" (393000K820)	
12	REF.	1	 VALVE SECTION - Accumulator Clamp . . . . .	FH-1
13	---	1	KIT, Seals - Voac Parting "L" (393000K820)	
14	REF.	1	 VALVE SECTION - Head Lateral Tilt . . . . .	FH-1
15	REF.	1	 VALVE SECTION - Clamp Arms . . . . .	FH-1
16	REF.	1	 VALVE SECTION - Cab Level . . . . .	FH-1
17	REF.	1	 VALVE SECTION - Cab Level . . . . .	FH-1
18	---	1	KIT, Tie Rods and Nuts - L90 (5-Section span) (393000K004)	
18	---	1	KIT, Tie Rods and Nuts - L90 (6-Section span) (393000K005)	
19	REF.	1	COVER, L90 valve outlet. . . . .	FH-1
20	---	1	KIT, Bracket - L90 (393000K824)	

-  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.***

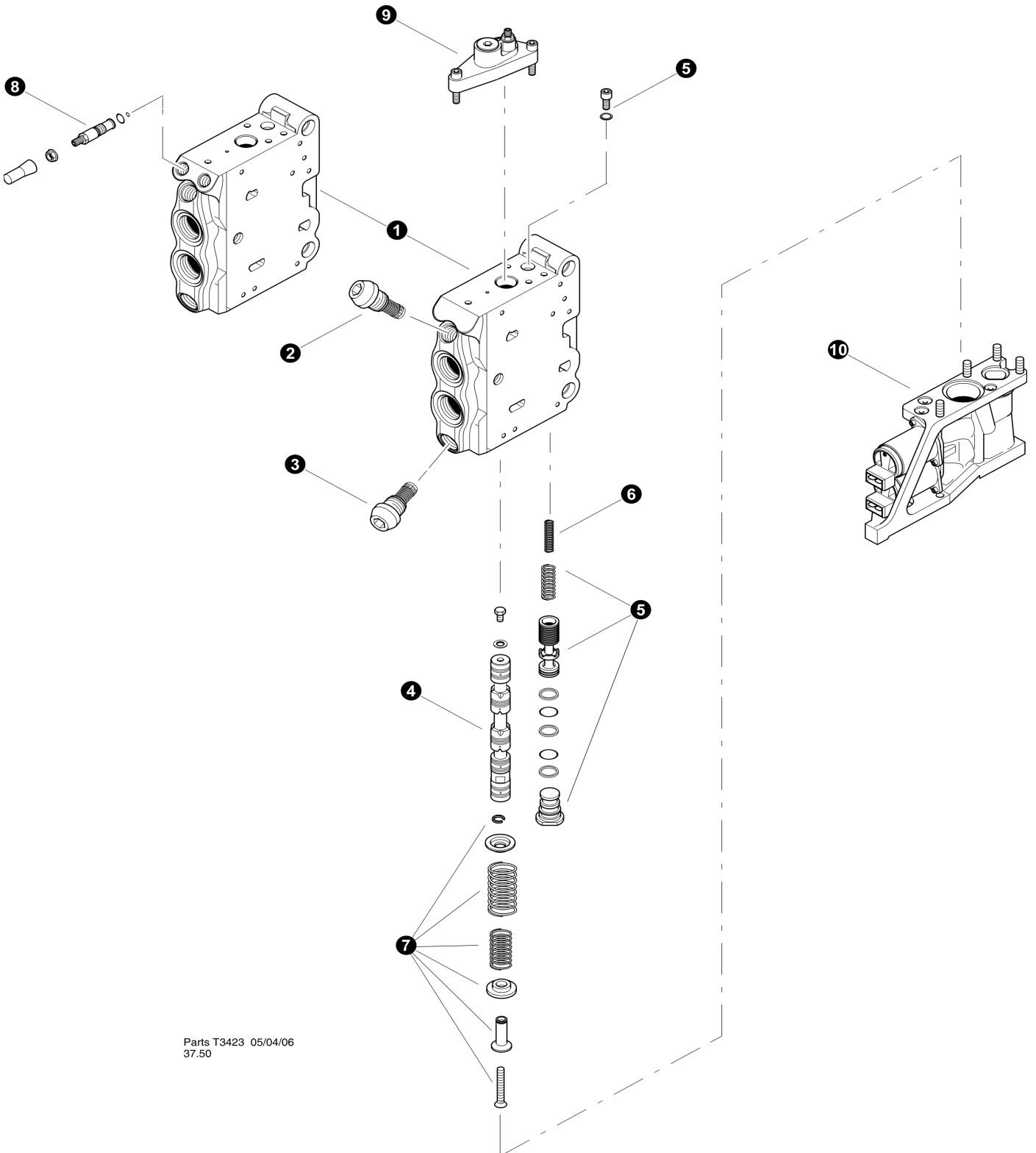


Parts T3423 05/04/06  
37.50

### L90LS VALVE SECTION

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	-FH	1	<input type="checkbox"/>	VALVE SECTION - Accumulator Clamp (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	<input type="checkbox"/>	KIT, "KX" COMPENSATOR, BLUE (393000K616)	
5	---	1	<input type="checkbox"/>	KIT, "KX" COMPENSATOR, GREEN (393000K617)	
-	---	1		KIT, compensator seals (393000K811)	
6	---	1		SPRING, (only used with KX compensator kit)	
7	23423-FH	1	<input type="checkbox"/>	KIT, spool centering spring (393000K343)	
8	---	2	<input type="checkbox"/>	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	<input type="checkbox"/>	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	<input type="checkbox"/>	KIT, "KX" COMPENSATOR, BLUE (393000K616)	
5	---	1	<input type="checkbox"/>	KIT, "KX" COMPENSATOR, GREEN (393000K617)	
-	---	1		KIT, compensator seals (393000K811)	
6	---	1		SPRING, (only used with KX compensator kit)	
7	23423-FH	1	<input type="checkbox"/>	KIT, spool centering spring (393000K343)	
8	---	2	<input type="checkbox"/>	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	<input type="checkbox"/>	VALVE SECTION - Accumulator Clamp (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	<input type="checkbox"/>	KIT, "KX" COMPENSATOR, BLUE (393000K616)	
5	---	1	<input type="checkbox"/>	KIT, "KX" COMPENSATOR, GREEN (393000K617)	
-	---	1		KIT, compensator seals (393000K811)	
6	---	1		SPRING, (only used with KX compensator kit)	
7	23423-FH	1	<input type="checkbox"/>	KIT, spool centering spring (393000K343)	
8	---	2	<input type="checkbox"/>	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.

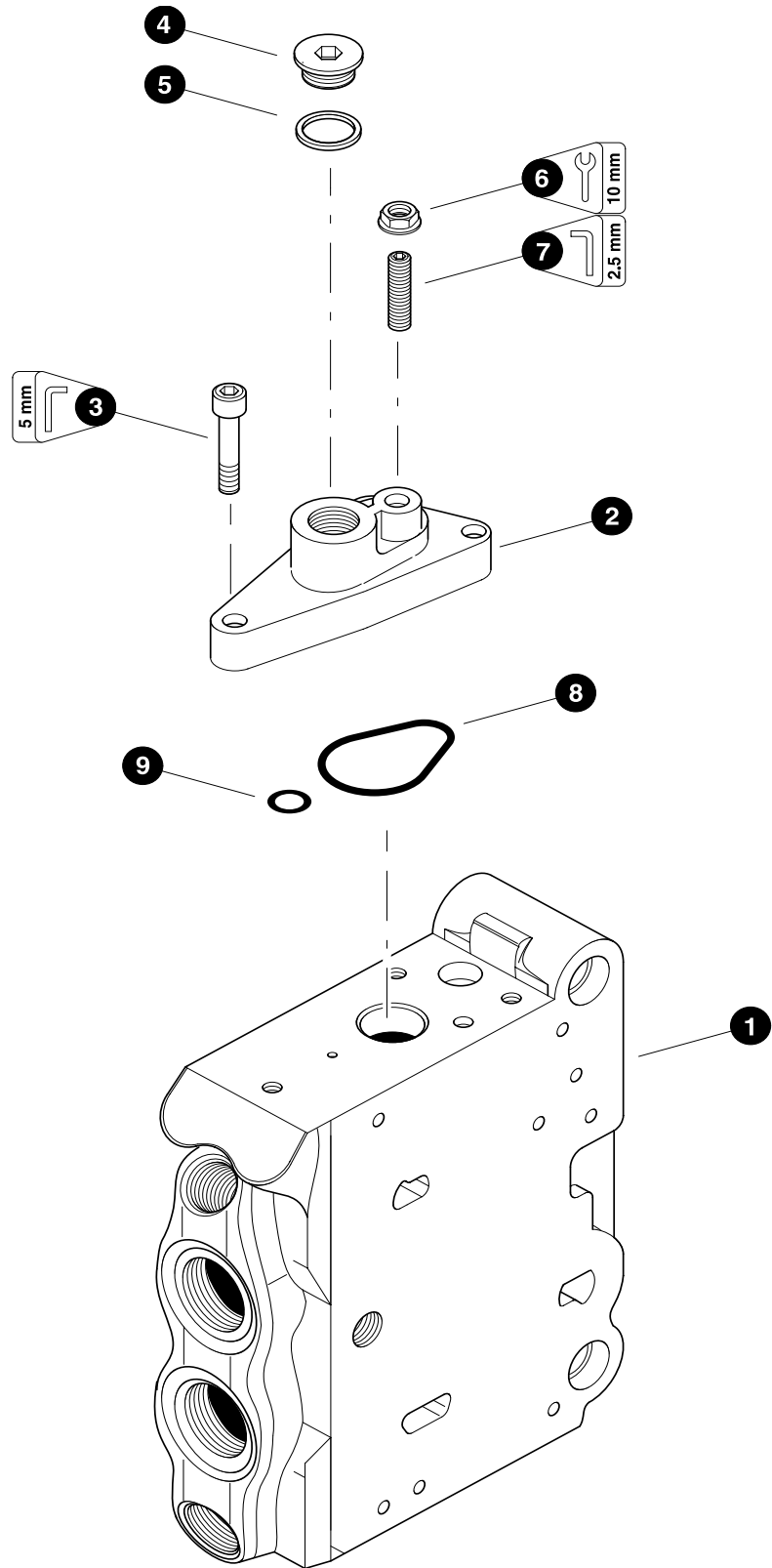


Parts T3423 05/04/06  
37.50

## L90LS VALVE SECTION continued.....

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	-FH	1	<input type="checkbox"/> VALVE SECTION - Cab Level (L90LS-MS-US60-276 P)	
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, ZEX (393000U197)	
5	---	1	<input type="checkbox"/> KIT, "KX" COMPENSATOR, BLUE (393000K616)	
5	---	1	<input type="checkbox"/> KIT, "KX" COMPENSATOR, GREEN (393000K617)	
-	---	1	KIT, compensator seals (393000K811)	
6	---	1	SPRING, (only used with KX compensator kit)	
7	23423-FH	1	<input type="checkbox"/> KIT, spool centering spring (393000K343)	
8	---	2	<input type="checkbox"/> KIT, FEED REDUCER (393000K817)	
-	---	2	KIT, feed reducer seals (393000K852)	
9	REF	1	<input type="book"/> END CAP ASSEMBLY - "A" port .....	FH-1
10	REF	1	<input type="book"/> 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)	



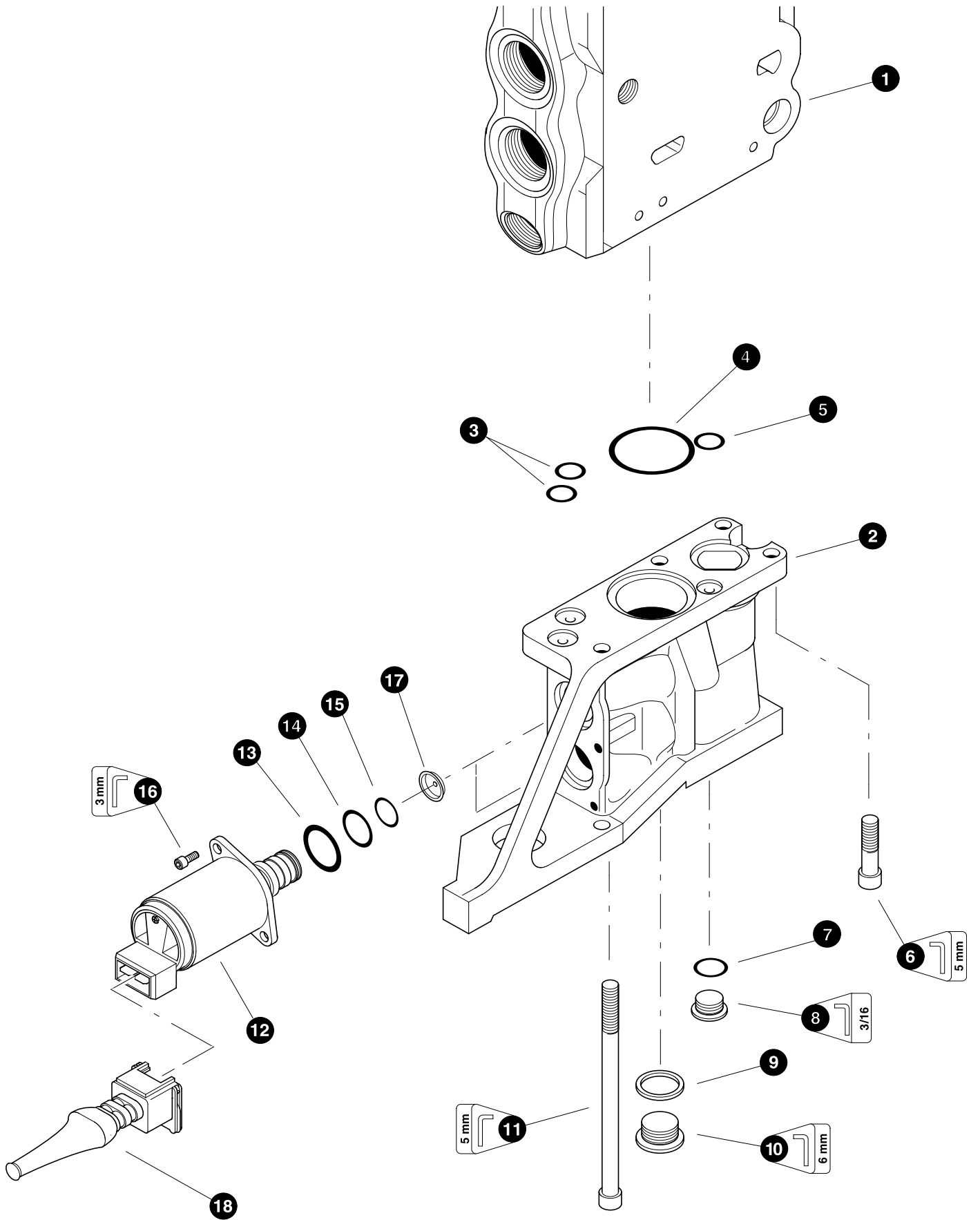
See referenced page for component or assembly breakdown.



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.

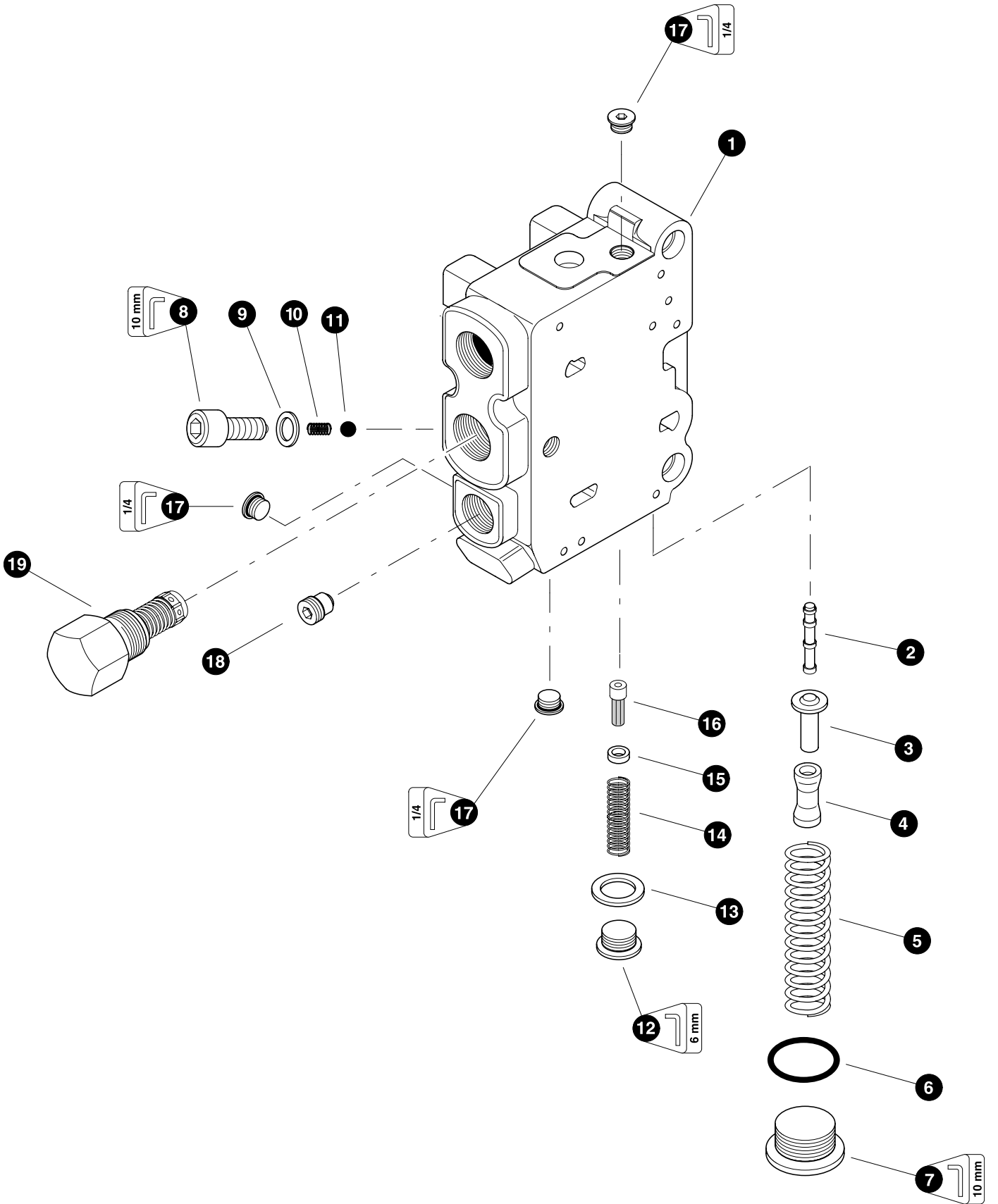
**NOTE #1:**

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

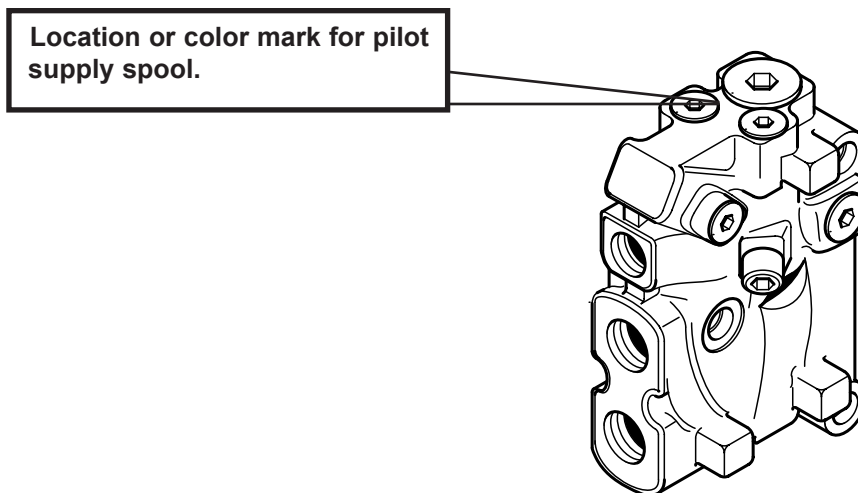
### L90LS VALVE OUTLET

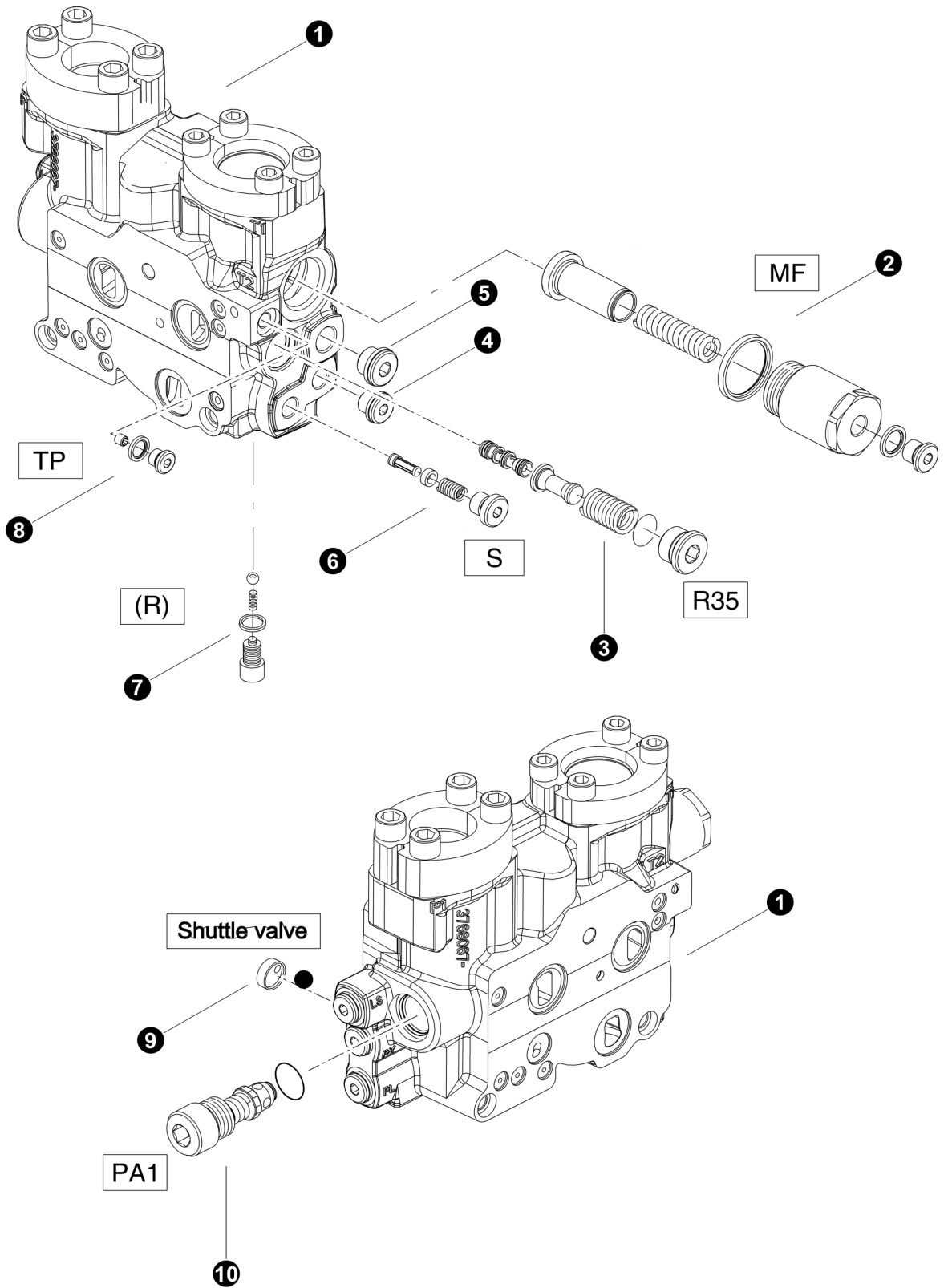
REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	23412-FH	1	<input type="checkbox"/>	VALVE SECTION, outlet	
1	NSS	1		BODY, valve section	
-	23431-FH	1	<input type="checkbox"/>	KIT, pilot supply reducer (Green)(35 bar)(see note #1)	
	23432-FH	1	<input type="checkbox"/>	KIT, pilot supply reducer (Red)(35 bar)(see 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	<input type="checkbox"/>	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

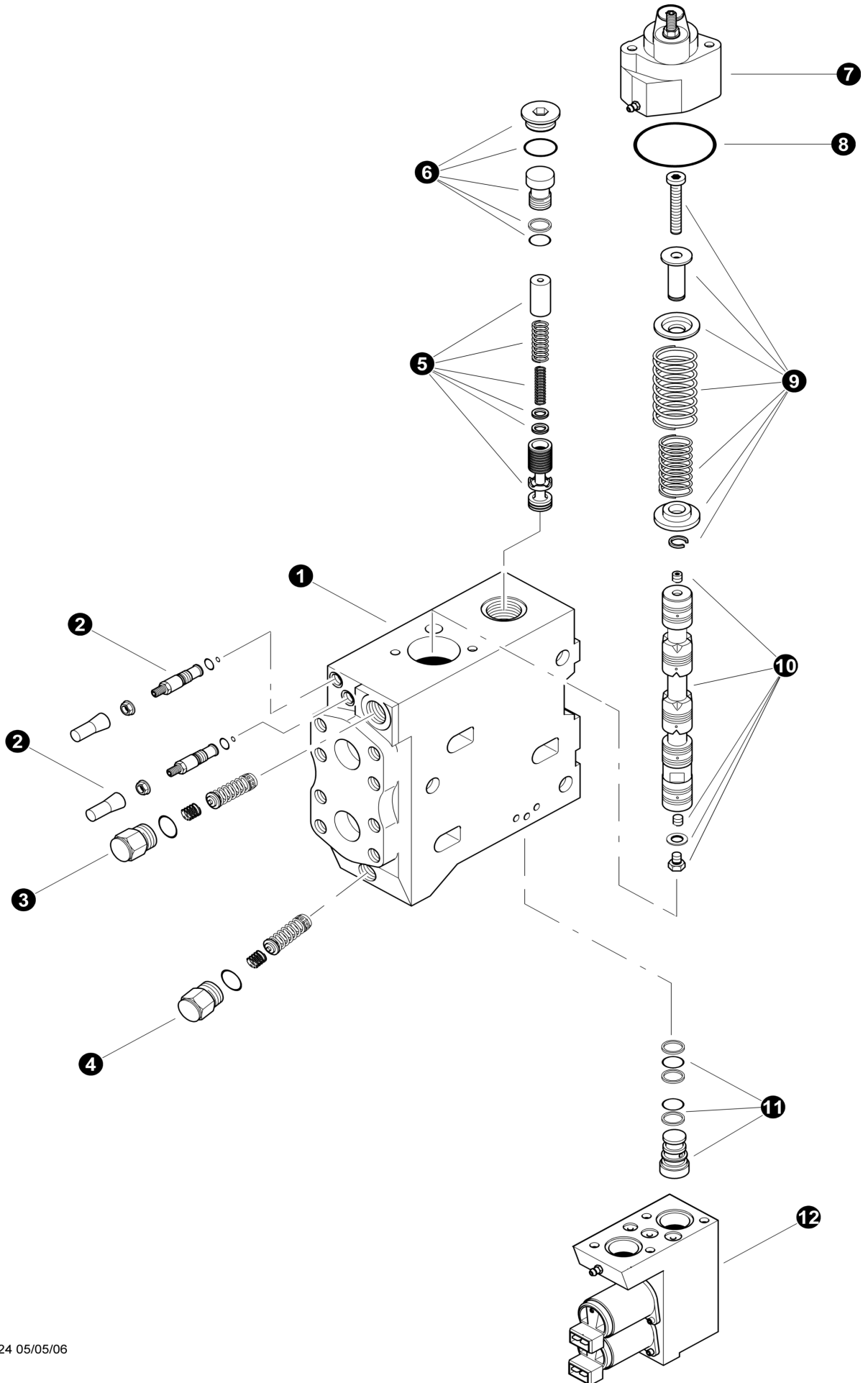
**MID INLET SECTION  
K220 to L90**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	-FH	1	<input type="checkbox"/>	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.



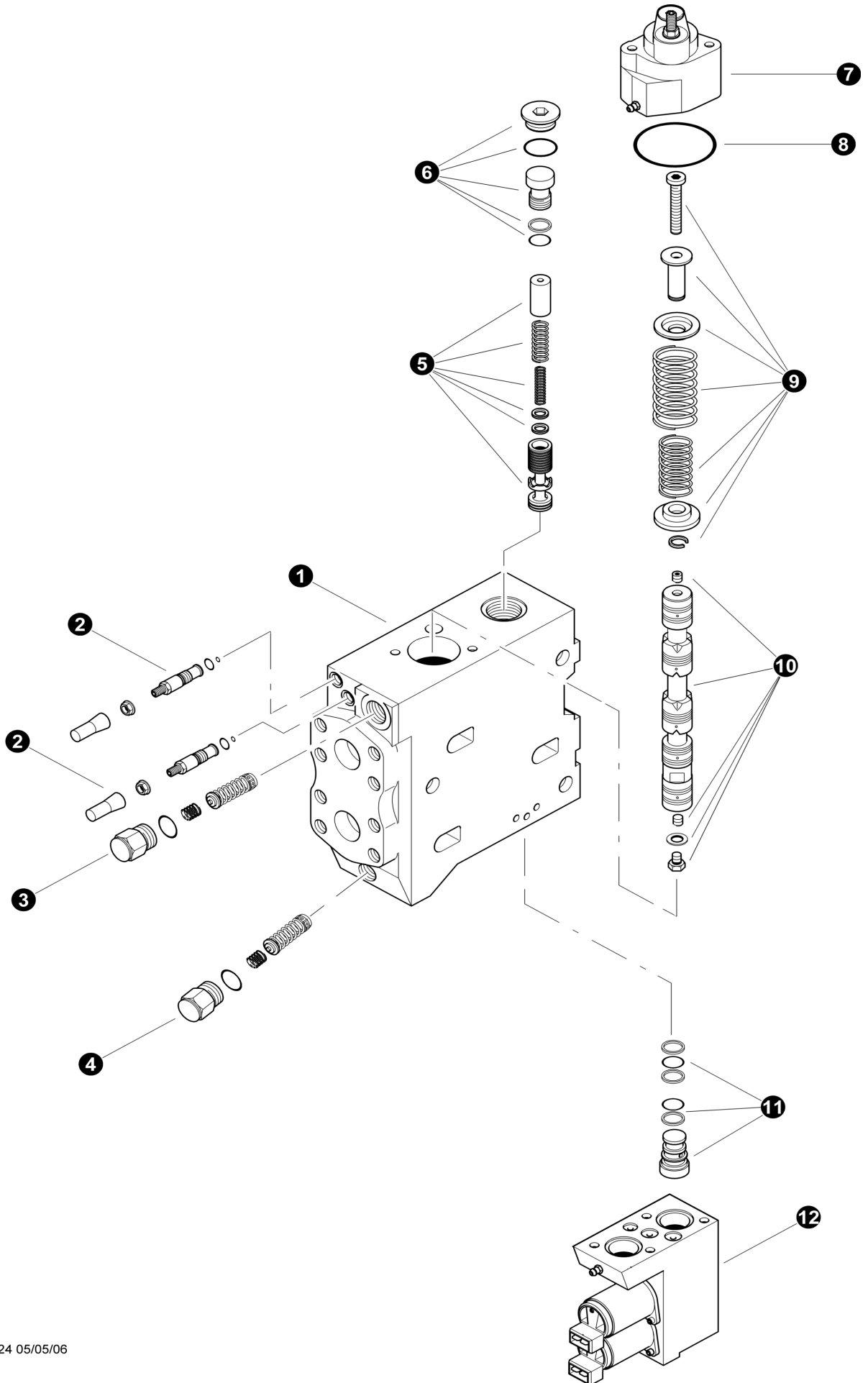
Parts T3424 05/05/06  
37.5

### VOAC K220 VALVE SECTION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	-FH	1	<input type="checkbox"/> VALVE SECTION - Main Boom function (K220LS-MS-US60-233B B)	
1	NSS	1	BODY	
2	---	2	<input type="checkbox"/> 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	<input type="checkbox"/> PLUG 8, Compensator (9120092480)	
-	---	1	KIT, Plug 8 seals (9120092482)	
7	REF.	1	<input type="book"/> CAP, "B"port . . . . .	FH-1
8	---	1	KIT, seals (9120092284)	
9	23423-FH	1	KIT, spool centering spring (393000K343)	
10	---	1	SPOOL, YXA	
11	---	1	<input type="checkbox"/> PLUG 6, Compensator (3764731)	
-	---	1	KIT, Seal Plug 6 (9120092355)	
12	REF	1	<input type="book"/> END CAP ASSEMBLY - "A" port . . . . .	FH-1
-	-FH	1	<input type="checkbox"/> VALVE SECTION - Stick Boom function (K220LS-MS-US60-234B D)	
1	NSS	1	BODY	
2	---	2	<input type="checkbox"/> 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	<input type="checkbox"/> PLUG 8, Compensator (9120092480)	
-	---	1	KIT, Plug 8 seals (9120092482)	
7	REF.	1	<input type="book"/> CAP, "B"port . . . . .	FH-1
8	---	1	KIT, seals (9120092284)	
9	23423-FH	1	KIT, spool centering spring (393000K343)	
10	---	1	SPOOL, YXA	
11	---	1	<input type="checkbox"/> PLUG 6, Compensator (3764731)	
-	---	1	KIT, Seal Plug 6 (9120092355)	
12	REF	1	<input type="book"/> END CAP ASSEMBLY - "A" port . . . . .	FH-1

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

9120092055

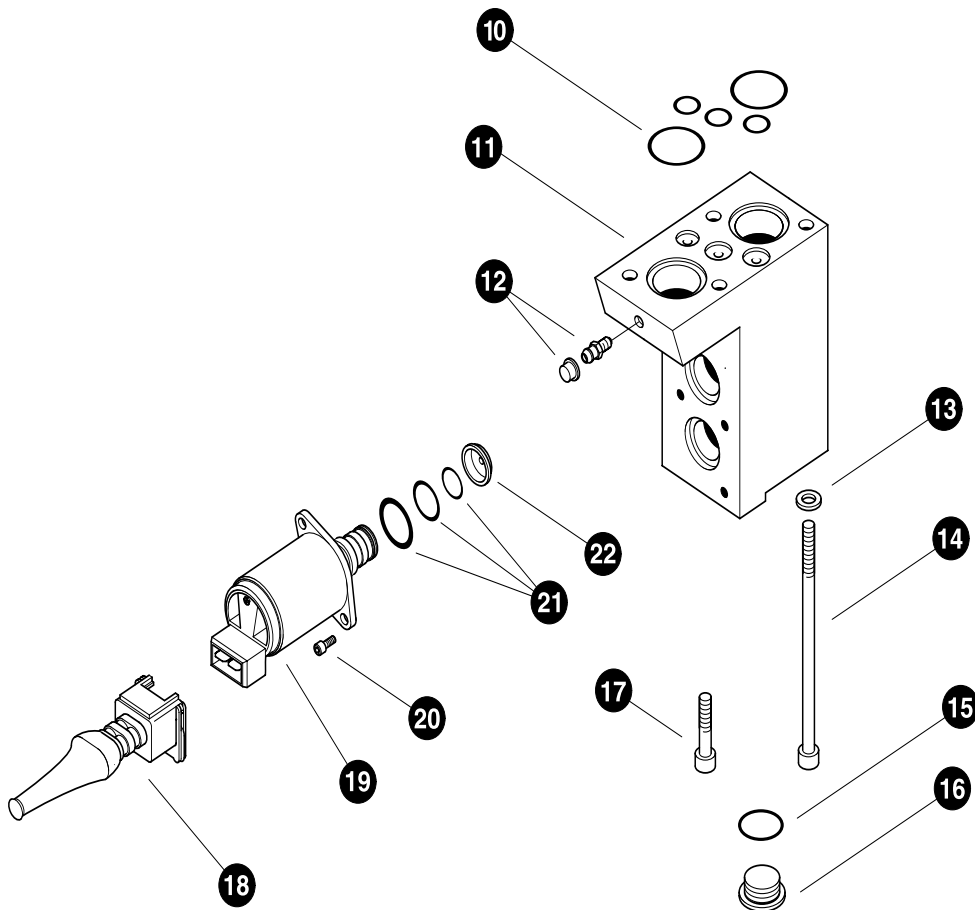
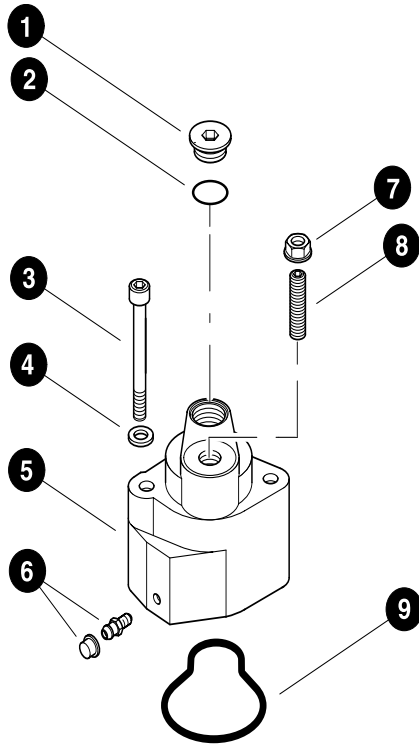


Parts T3424 05/05/06  
37.5

### VOAC K220 VALVE SECTION continued.....

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	-FH	1	<input type="checkbox"/> VALVE SECTION - Tool Cylinder function ((K220LS-MS-US60-236 F)	
1	NSS	1	BODY	
2	---	2	<input type="checkbox"/> 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	<input type="checkbox"/> PLUG 8, Compensator (9120092480)	
-	---	1	KIT, Plug 8 seals (9120092482)	
7	REF.	1	<input type="book"/> 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	<input type="checkbox"/> PLUG 6, Compensator (3764731)	
-	---	1	KIT, Seal Plug 6 (9120092355)	
12	REF	1	<input type="book"/> 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

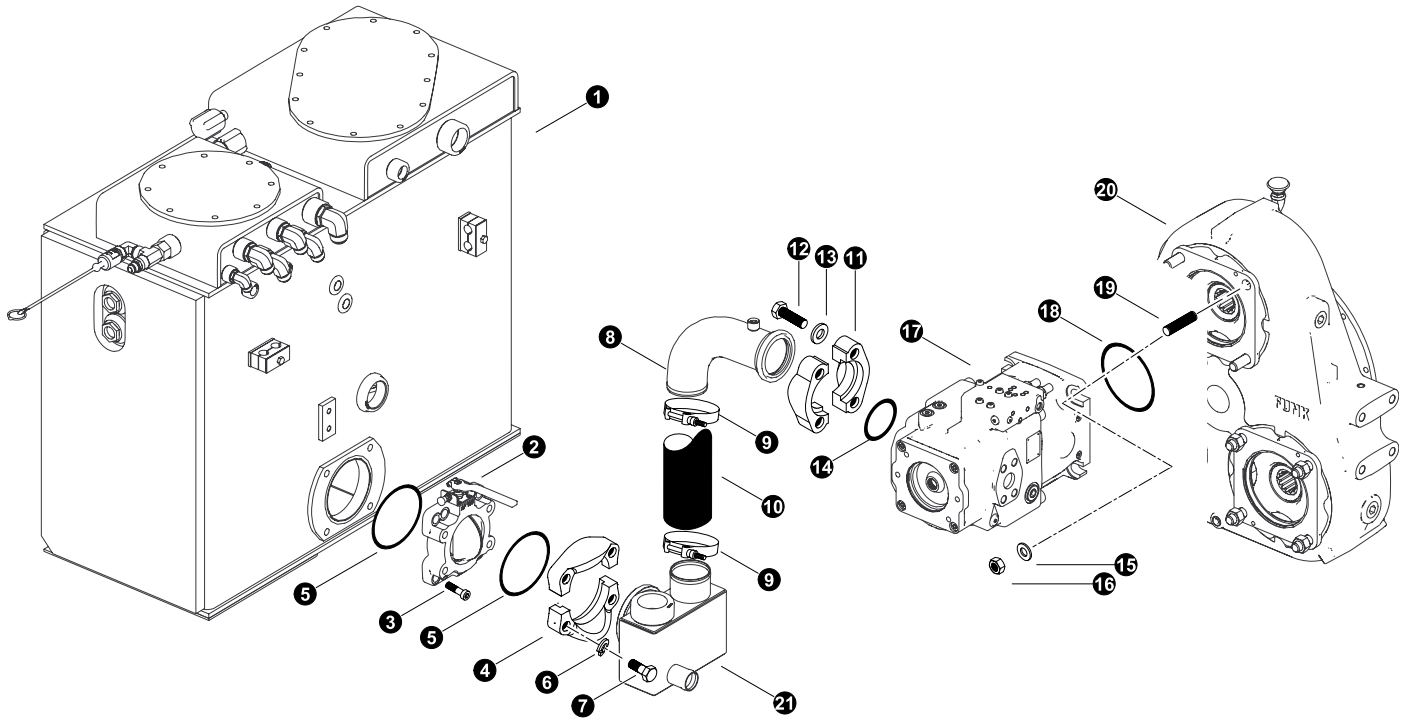
◆ Included in seal repair kit PN# - 26417-FH



## ***Section FH-2***





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

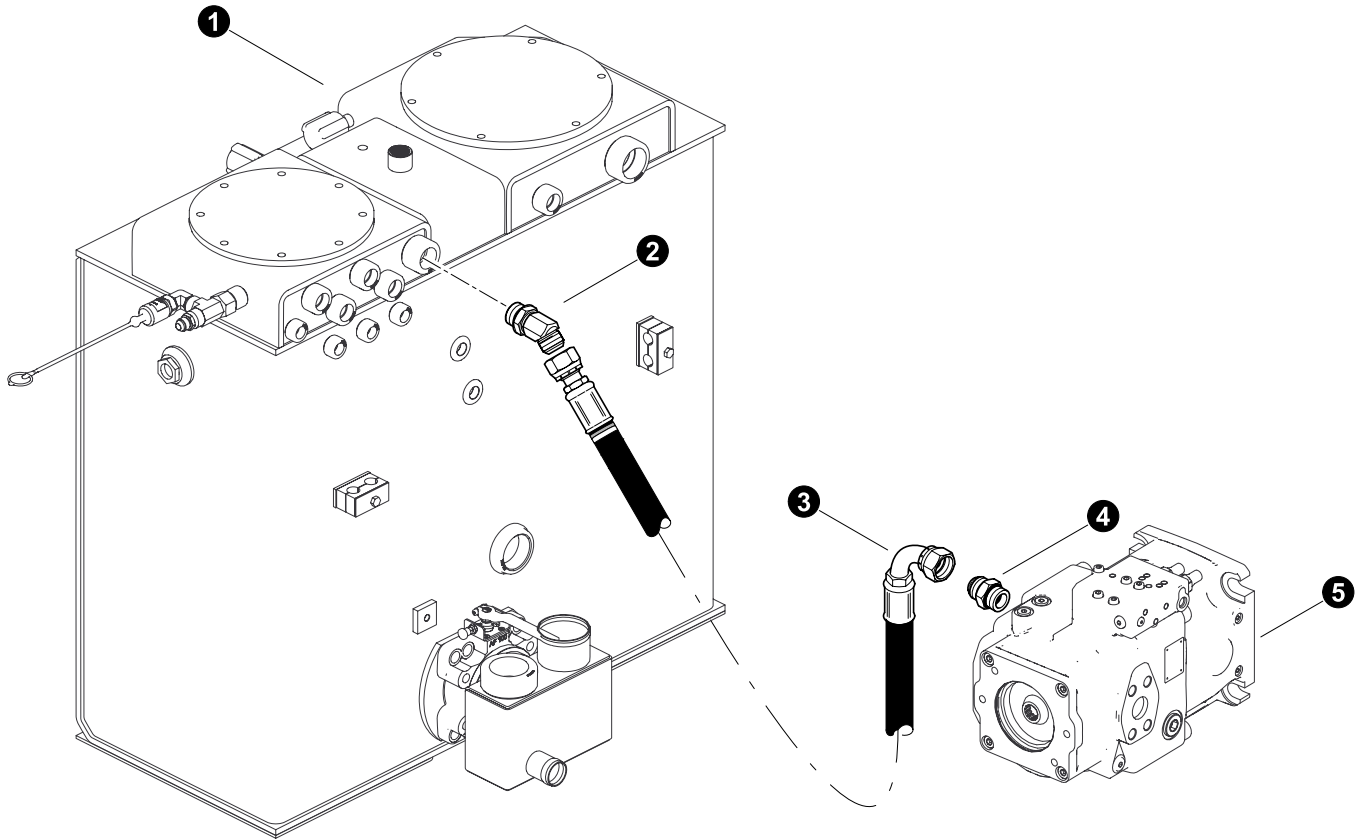


T4652 5/15  
19/25

## IMPLEMENT PUMP INSTALLATION


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	46265-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	58623	1	HOSE ASSEMBLY - 2012-48-0-0	
11	22639-FH	1	 KIT, split flange - 3" (Code 61)	
12	15562	4	BOLT - 5/8" x 2"	
13	10721-FH	4	WASHER, LOCK - .625"	
14	18695-FH	1	O-RING - 3" SF	
15	15550-FH	4	WASHER, SAE flat - 3/4	
16	10776-FH	4	NUT, hex - 3/4"	
17	REF	1	 IMPLEMENT PUMP. . . . .	FH-1
18	15442-2-FH	1	O-RING, PUMP DRIVE PILOT	
19	40281351-FF	4	STUD, "D" Mount	
20	REF	1	PUMP DRIVE GEARBOX . . . . .	EE-4
21	46200-FH	1	WELDMNT, SUCTION TUBE, C-MODEL	


-  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.

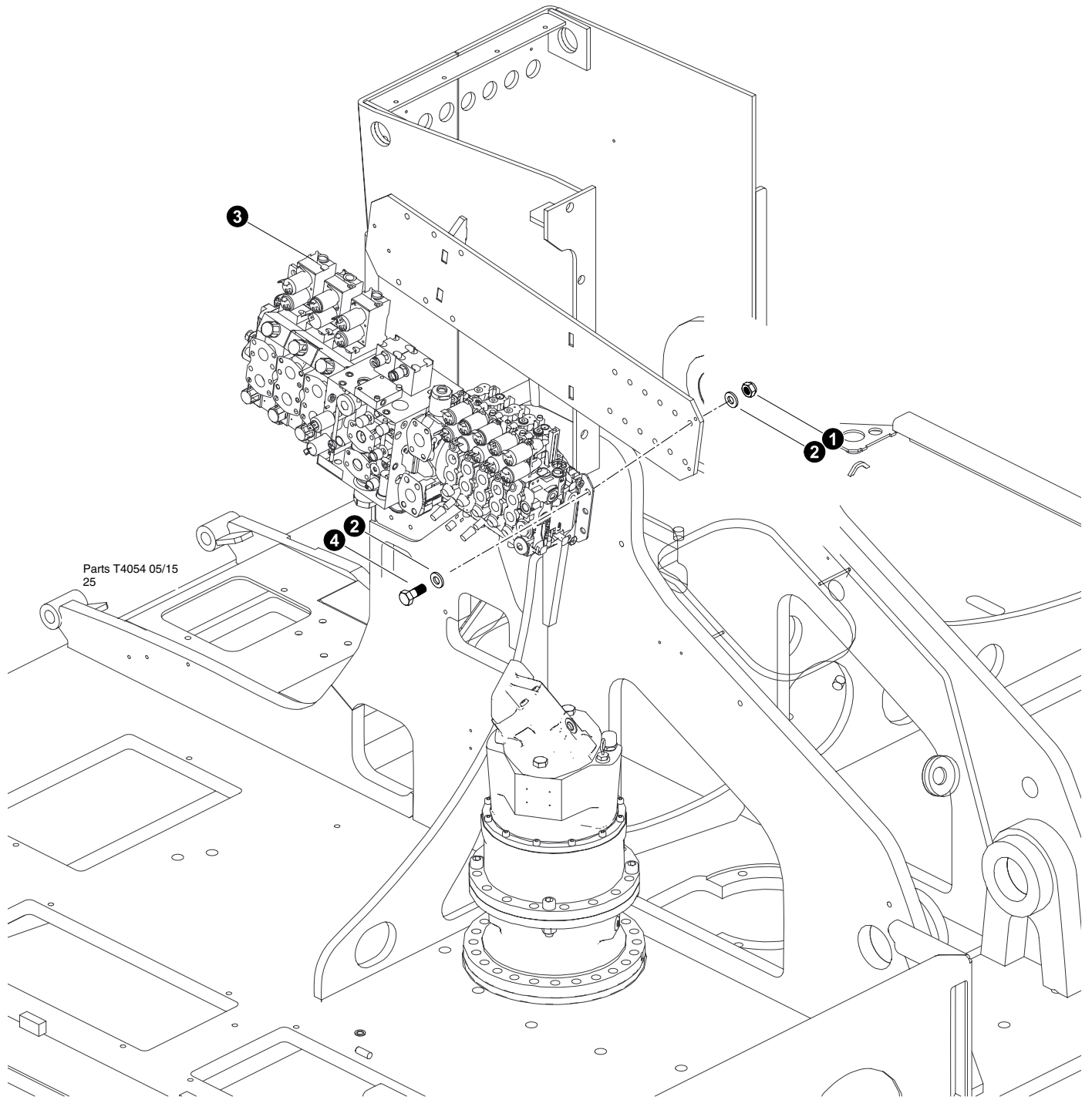


Parts T4053 05/15  
18.75


## 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 - 2030-12-12JS-12J9 ( <i>Implement pump case drain port to hydraulic tank</i> )	
4	11324-FH	1	CONNECTOR, STR - 6400-12	
5	REF.	1	 IMPLEMENT PUMP.....	FH-1

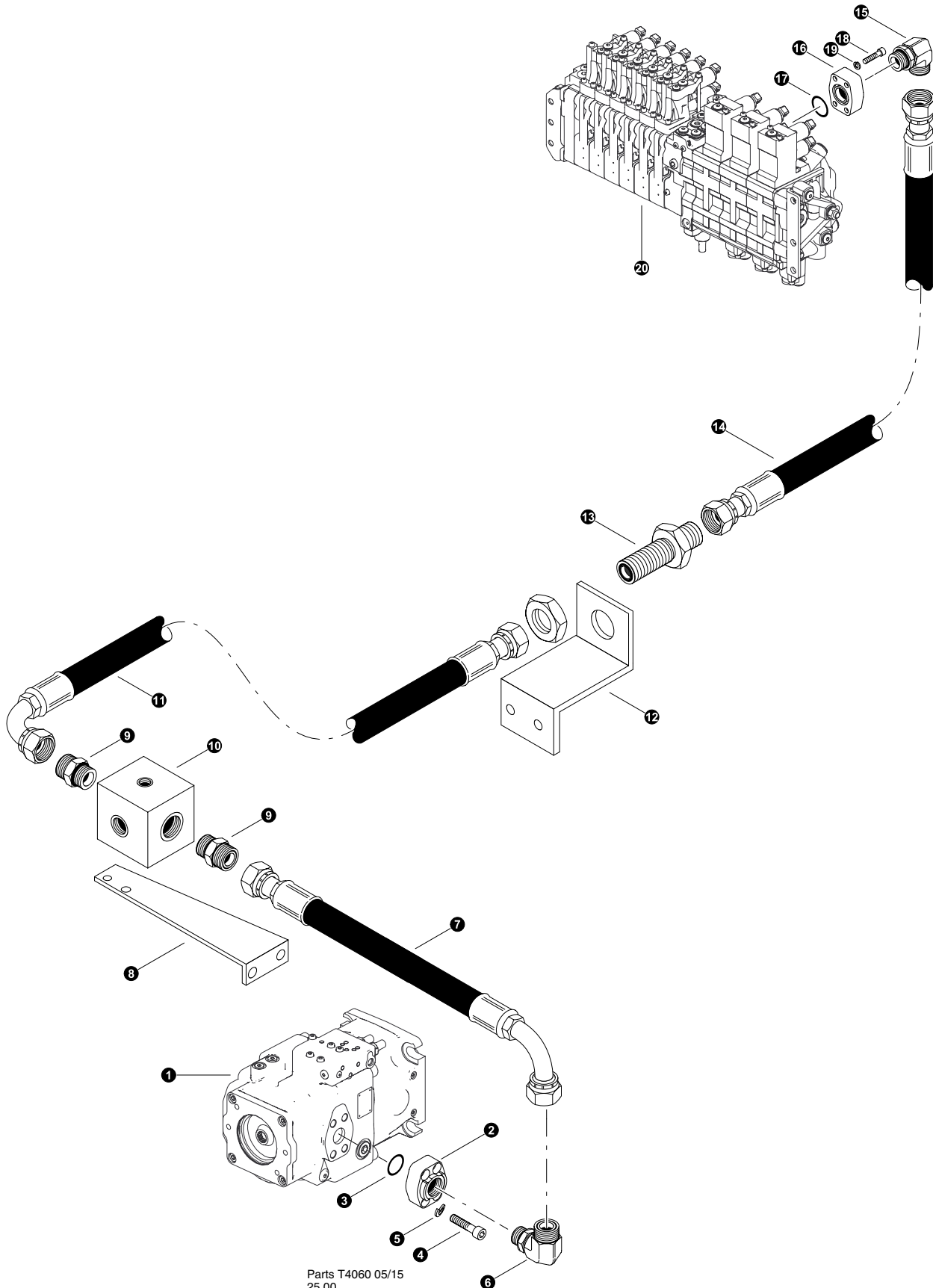
 See referenced page for component or assembly breakdown.



## 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.

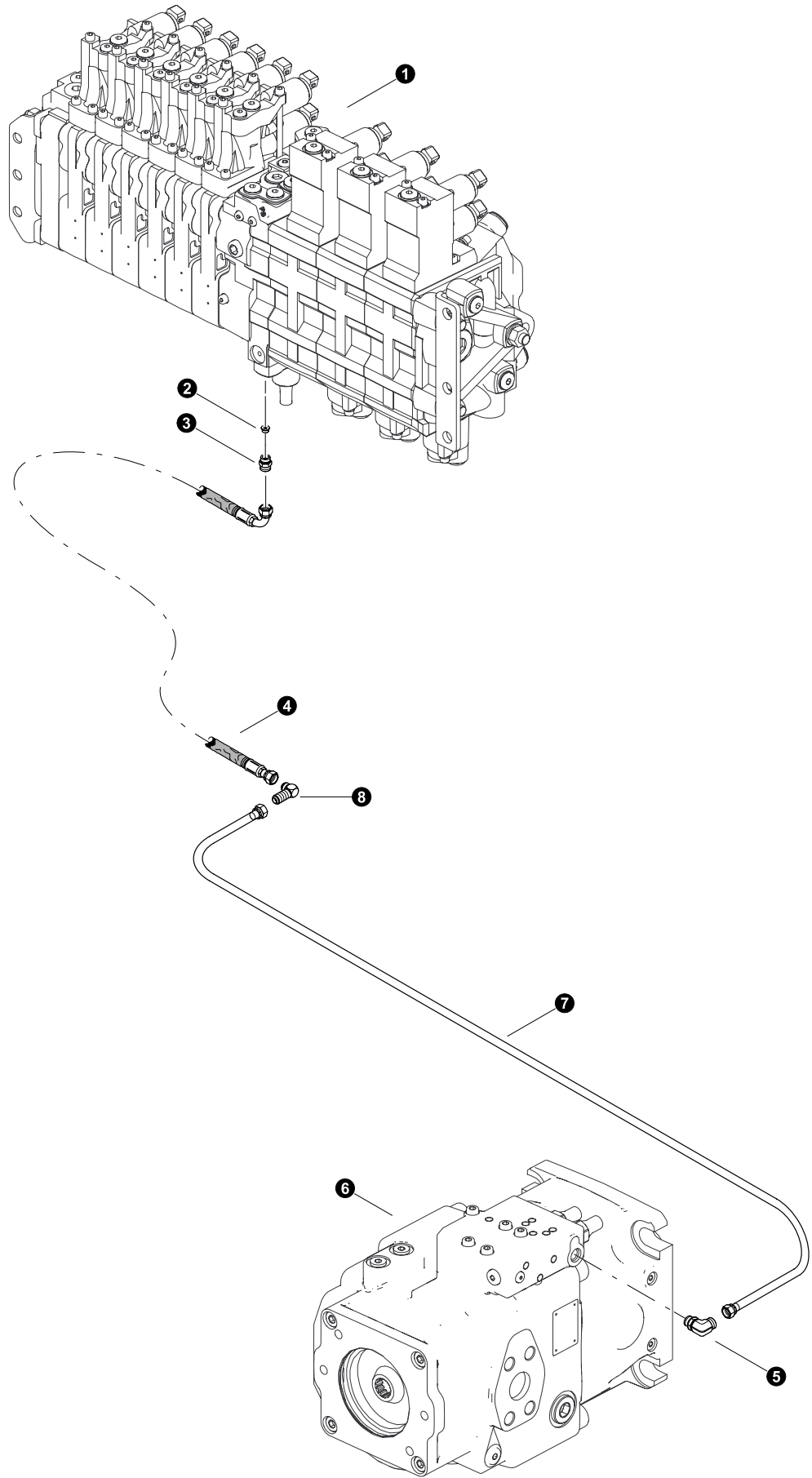


Parts T4060 05/15  
25.00



## IMPLEMENT PUMP PRESSURE LINE TO MAIN CONTROL VALVE

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 IMPLEMENT PUMP.....	FH-1
2	17016-FH	1	 CONNECTOR, FLANGE PAD - 1.25" C 62	
3	-	1	O-RING - 1.25"	
4	-	4	WASHER, lock	
5	-	4	BOLT, ALLEN HEAD	
6	17055-FH	1	ELBOW, 90 - FF1868T-2020S	
7	55561-FH	1	HOSE ASSEMBLY - 4016-20-20OS-20OL9 ( <i>Pump Pressure Bulkhead to Implement Pump Pressure Port</i> )	
8	46963-FH	1	BRACKET, IMPLEMENT PSI - C SERIES	
9	17344-FH	2	CONNECTOR, STR - FF1852T-2020S	
10	51450-FH	1	MANIFOLD, RETURN CHECK	
11	-FH	1	HOSE ASSEMBLY - 5042.5-20-20OS-20O9 ( <i>Pump Pressure Bulkhead to Pump Pressure Bulkhead</i> )	
12	46296-FH	1	PLATE, IMPLEMENT PSI BULKHEAD	
13	54743-FH	1	FITTING, 20 WLO-WLNL-S	
14	-FH	1	HOSE ASSEMBLY - 4030-20-20OS-20O4 ( <i>Pump Pressure Bulkhead to main control valve pressure inlet port "P1"</i> )	
15	50470-FH	1	ELBOW, 90 - 849-TT0-16X20	
16	18397-FH	1	 CONNECTOR, FLANGE PAD - 1" C 62	
17	15377-FH	1	O-RING - 1"	
18	18988-FH	4	BOLT, ALLEN HEAD - 12MM-1.75P X 45MM	
19	-	4	WASHER, lock	
20	REF.	1	 MAIN CONTROL VALVE.....	FH-1

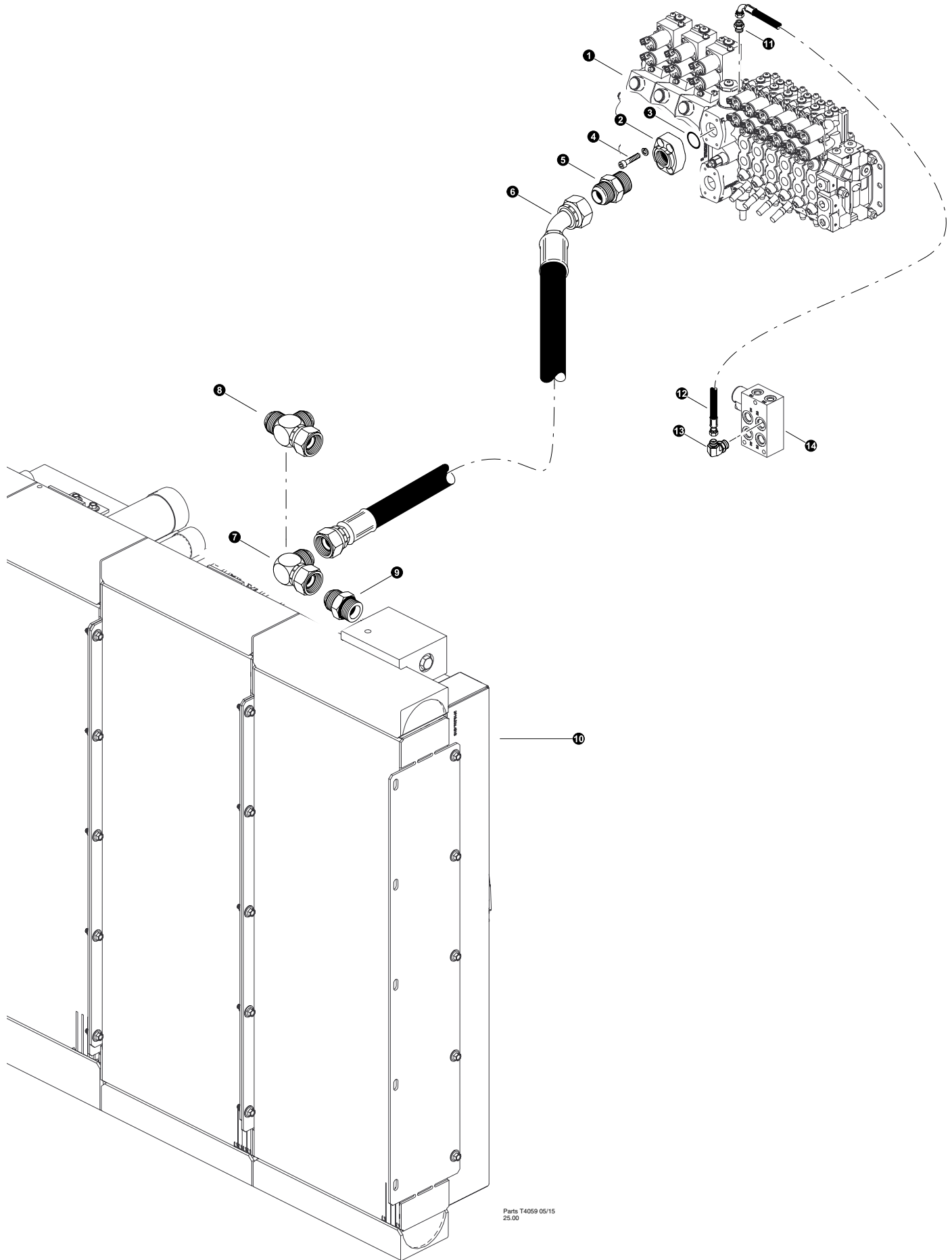
-  See referenced page for component or assembly breakdown.
-  Kit or Assembly - includes all items indented underneath.



## MAIN CONTROL VALVE LOAD SENSE LINE


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN CONTROL VALVE . . . . .	FH-1
2	15488-FH	1	CONNECTOR, STR - 6400-6 ( <i>Tapped for 0.028" orifice</i> )	
3	18503-FH	1	ORIFICE - .028"	
4	-FH	1	HOSE ASSEMBLY - 2090-06-060S-0609-W ( <i>Control Valve load sense "PL" port to Implement Pump controler</i> )	
5	15480-FH	1	ELBOW, 90 - 6801-6	
6	REF.	1	 IMPLEMENT PUMP. . . . .	FH-1
7	55241-FH	1	TUBELINE, LOAD SENSE TO BH-TRACK	
8	55347-FH	1	FITTING, ELBOW - BULKHEAD 6 WETX-WLN-S	

 See referenced page for component or assembly breakdown.



Parts T4059 05/15  
25.00

## MAIN CONTROL VALVE RETURN LINE AND DRAIN

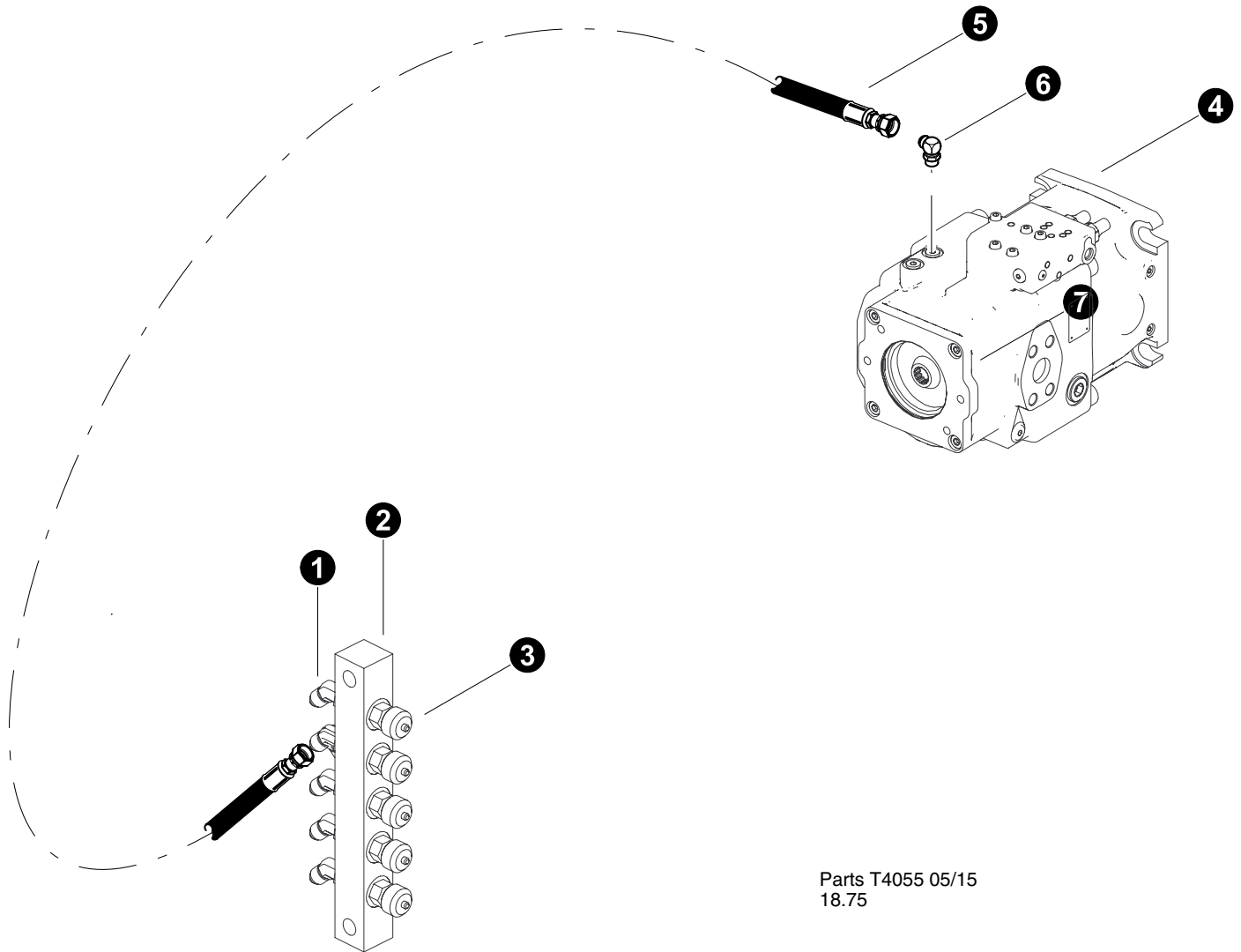
REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN CONTROL VALVE .....	FH-1
2	17909-FH	1	CONNECTOR, FLANGE PAD-W46K-20-20 CODE 61	
3	15378-FH	1	O-RING - 1.25" SF (CODE 61/62)	
4	-FH	4	BOLT, ALLEN HEAD - 10MM	
5	53616-FH	1	FITTING, STR - 24 X 20 - RETURN TUBE	
6	-FH	1	HOSE ASSEMBLY - 2023-24-24JS-20J4 ( <i>Cooler to main control valve tank port "T1"</i> )	
7	54714-FH	1	ELBOW, 90 SWIVEL 24C6X-S (24 JICMF)	
8	53183-FH	1	FITTING, SWIVEL NUT RUN TEE #24 (DISC SAW OPTION)	
9	22319-FH	1	CONNECTOR, STR - THERMAL BYPASS (GT)	
10	REF	1	OIL COOLER BREAKDOWN .....	UP-3



See referenced page for component or assembly breakdown.





Kit or Assembly - includes all items indented underneath.



Parts T4055 05/15  
18.75

## IMPLEMENT PUMP GAUGE PORT

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	51884-FH	1	ELBOW, 45 - (4 V50X-S)	
2	22287-FH	1	MANIFOLD, PRESSURE CHECK - 5 PORT	
3	16037-FH	1	Gauge Tap 1/4" Sae	
4	REF.	1	 IMPLEMENT PUMP.....	FH-1
5	-FH	1	HOSE ASSEMBLY - 7046-04-04JS-04JS (Implement Pump to pressure check manifold)	
6	51931-FH	1	ELBOW, 90 - 4-6 C50X-S (JIC)	

 See referenced page for component or assembly breakdown.

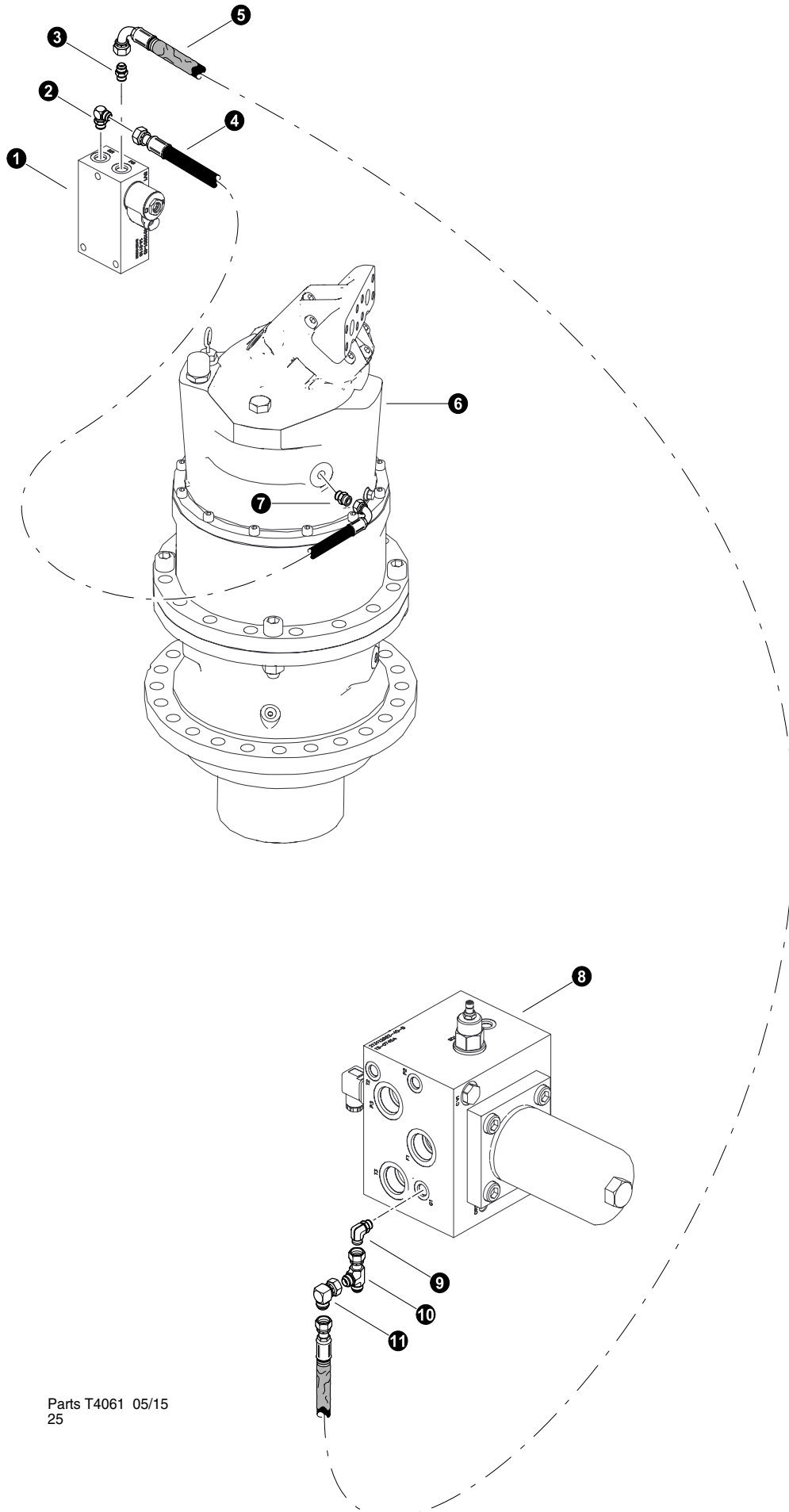
 Kit or Assembly - includes all items indented underneath.



# ***Section FH-3***




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## ***Feller Buncher Hydraulics - Swing Motor Hydraulics***

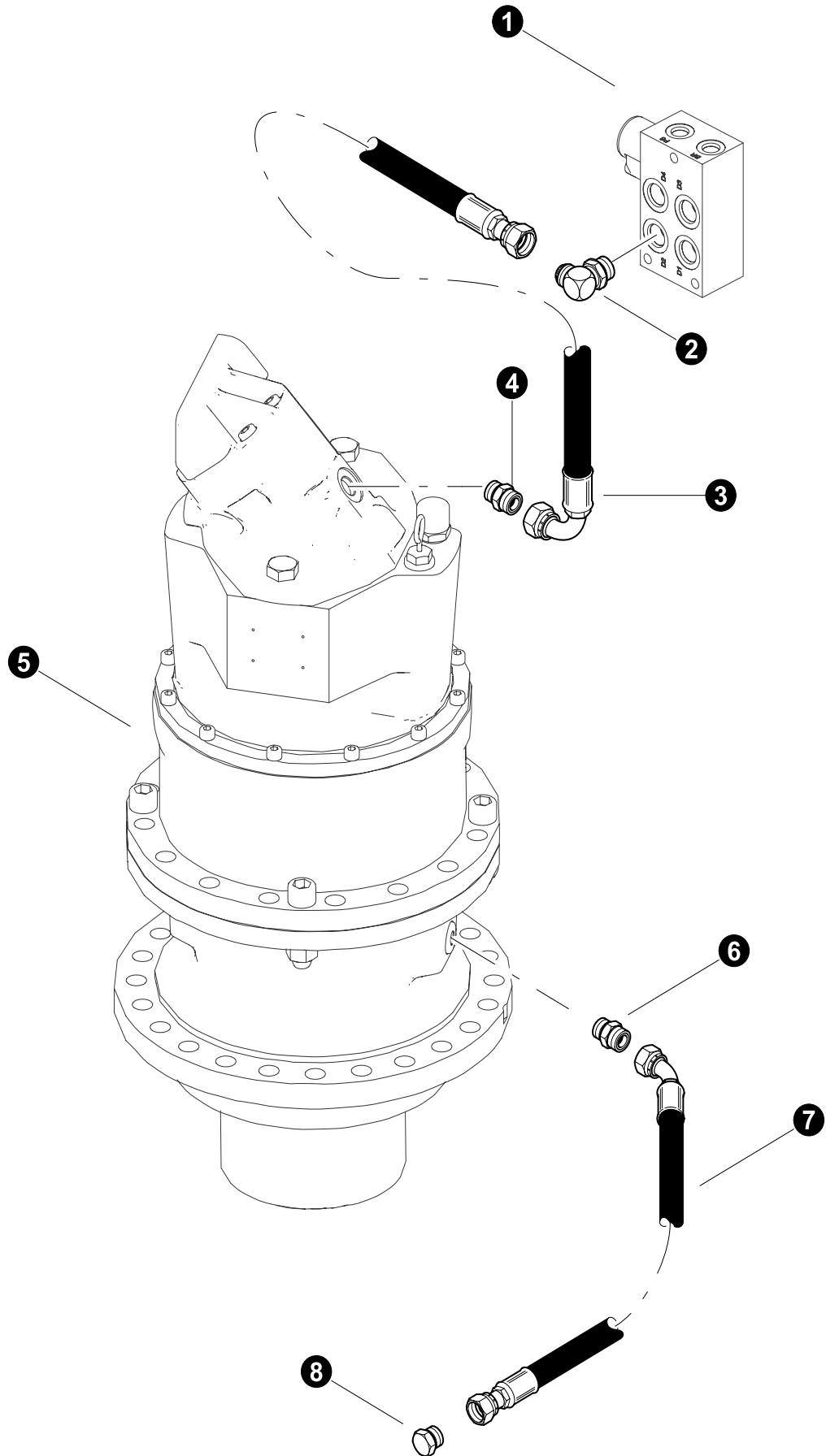


Parts T4061 05/15  
25

## 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	54809-FH	1	CONNECTOR, STR - 4 JIC x -6 ORB	
4	-FH	1	HOSE ASSEMBLY - 2024-04-04JS-0409 ( <i>PS port to G1 port charge valve</i> )	
5	-FH	1	HOSE ASSEMBLY - 2092-04-040S-0409 ( <i>swing motor brake release port to BR port</i> )	
6	REF.	1	 MOTOR/GEARBOX - SWING . . . . .	FH-3
7	19469-FH	1	CONNECTOR, STR METRIC - 4M12F82EDMLO-S	
8	REF.	1	 CHARGE VALVE / FILTER ASSEMBLY . . . . .	DH-3
9	51931-DH	1	ELBOW, 90 - 4-6 C50X-S (JIC)	
10	55677-DH	1	FITTING, 4 R6X-S	
11	17023-DH	1	ELBOW, 90 SWIVEL - 6500-4	


 See referenced page for component or assembly breakdown.

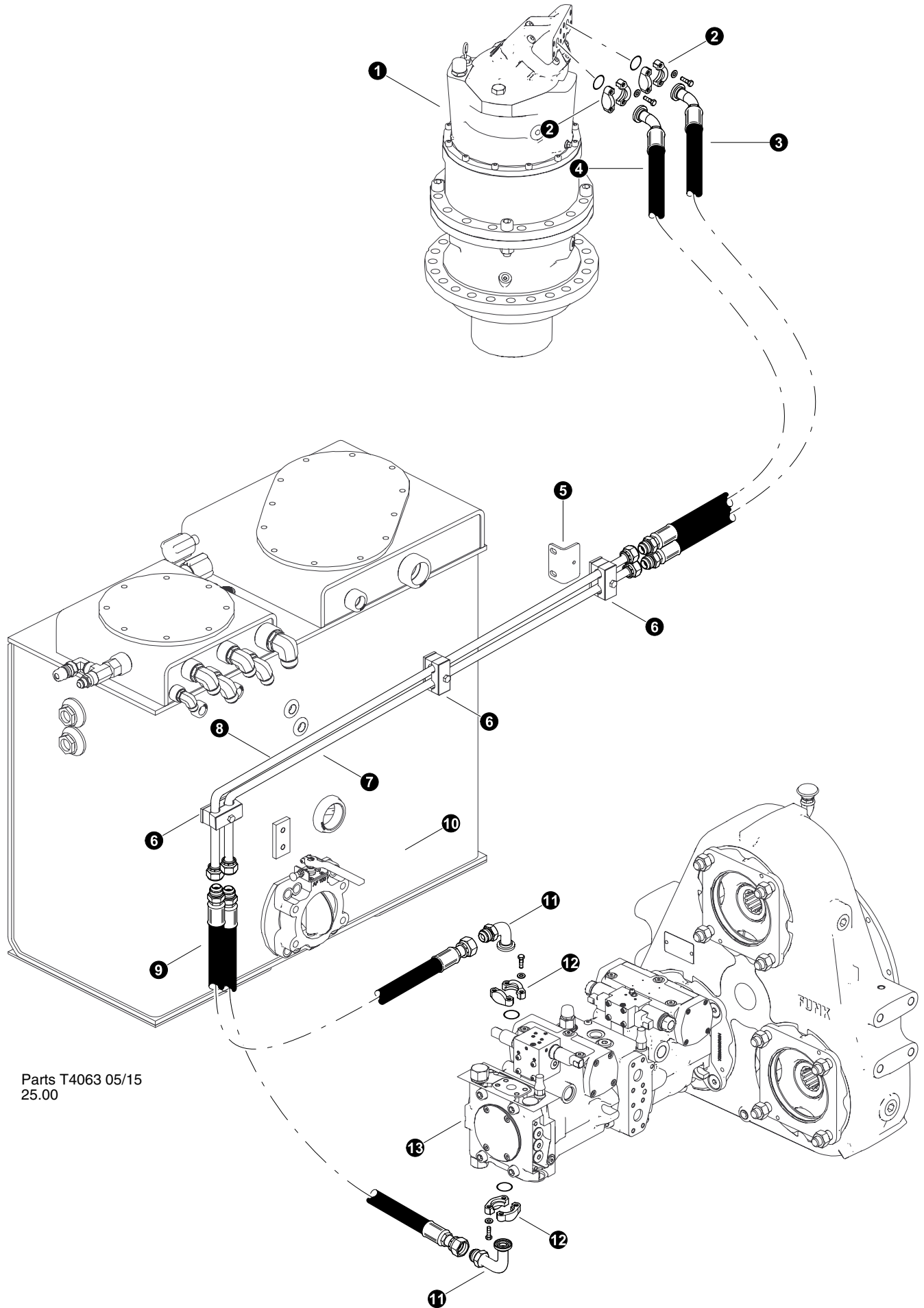


Parts T4062 05/15  
25.00

## SWING MOTOR HYDRAULICS (swing motor drain)



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MANIFOLD, CASE DRAIN/SWING LOCK . . . . .	FH-3
2	15481-FH	1	ELBOW, 90 - 6801-8	
3	-FH	1	HOSE ASSEMBLY - 2020-08-08JS-0809 (swing motor case drain to drain manifold D2)	
4	24182-FH	1	CONNECTOR, STR - 6002-08-8BSPP	
5	REF.	1	 MOTOR/GEARBOX - SWING . . . . .	FH-3
6	52493-FH	1	CONNECTOR, MALE ISO 6149	
7	-FH	1	HOSE ASSEMBLY - 2028-08-08OS-0804 (swing motor gearbox drain)	
8	16032-FH	1	PLUG - FF9767-08S	

 See referenced page for component or assembly breakdown.

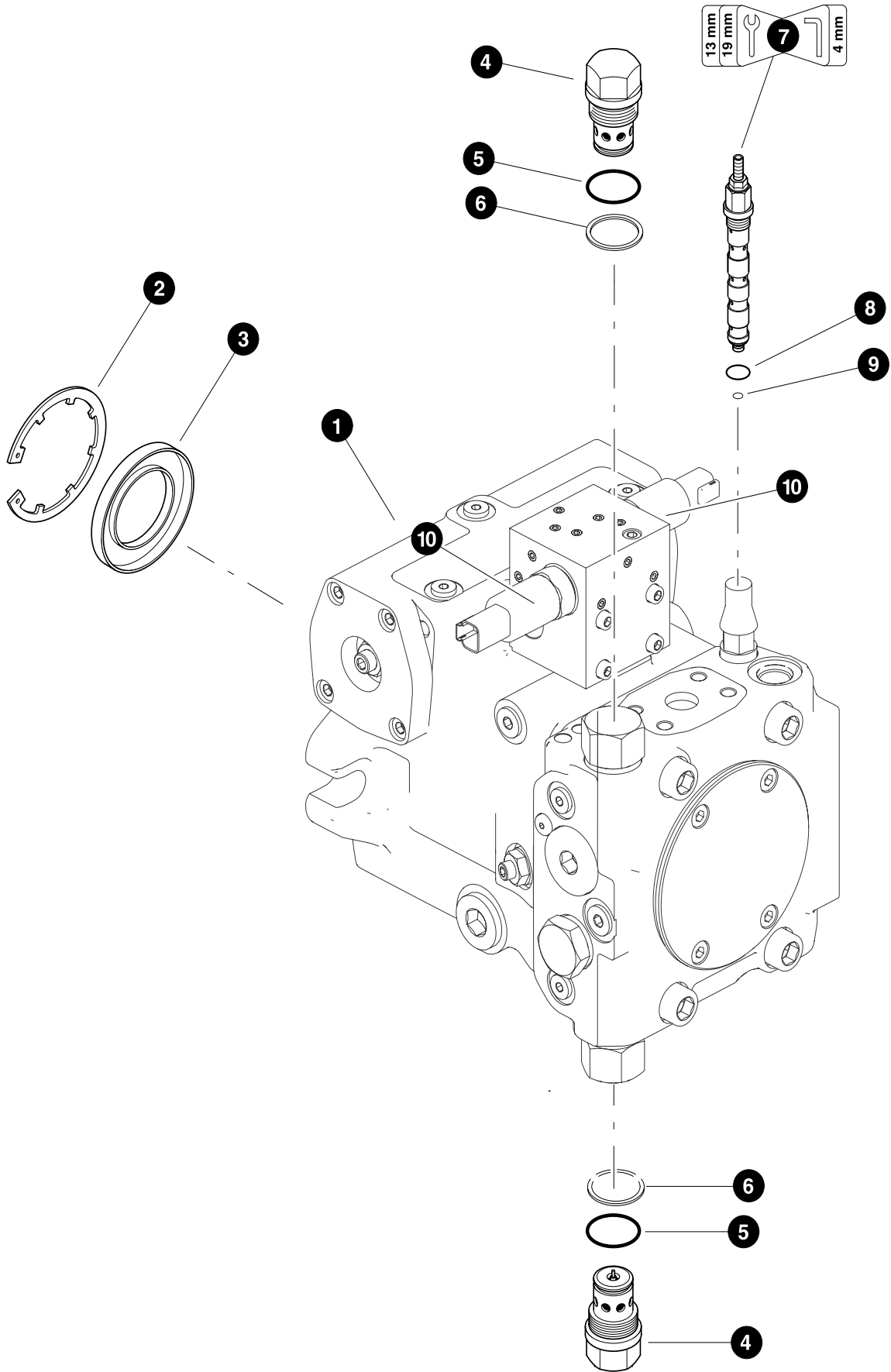


Parts T4063 05/15  
25.00

## 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	-FH	1	HOSE ASSEMBLY - 4033-12-12MJ-12PH4 ( <i>Swing Motor to tubeline</i> )	
4	-FH	1	HOSE ASSEMBLY - 4031-12-12MJ-12PH4 ( <i>Swing Motor to tubeline</i> )	
5	46366-FH	1	BRACKET, TUBELINE - SWING MOTOR	
6	55320-FH	3	CLAMP, TUBELINE	
7	55229-FH	1	TUBELINE, SWING HYD PUMP	
8	55178-FH	1	TUBELINE, SWING HYD PUMP	
9	-FH	1	HOSE ASSEMBLY - 4025.5-12-12MJ-12J9 ( <i>Swing Pump to tubeline</i> )	
10	-FH	1	HOSE ASSEMBLY - 4035-12-12MJ-12J9 ( <i>Swing Pump to tubeline</i> )	
11	55425-FH	2	FITTING, ELBOW - 6NH3-12-12	
12	16660-FH	2	KIT, SPLIT FLANGE - .75 (CODE 62)	
13	REF.	1	 SWING PUMP . . . . .	FH-3

 See referenced page for component or assembly breakdown.



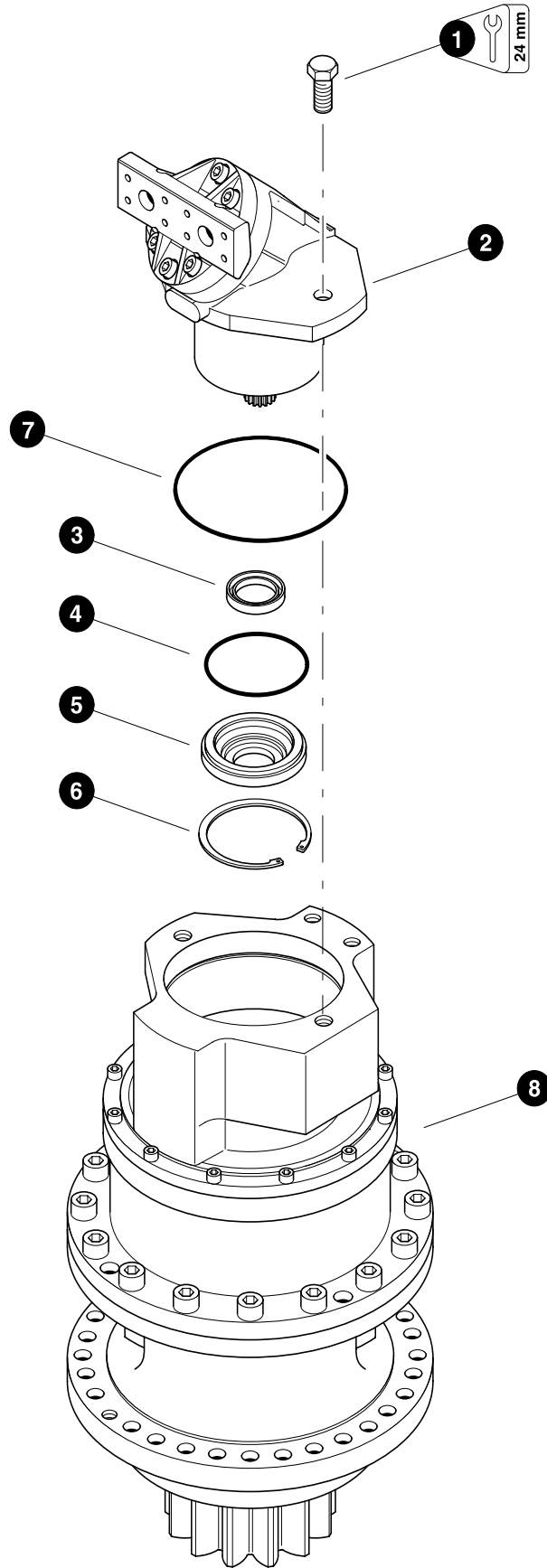
## HYDROSTATIC SWING PUMP (Rexroth 56cc)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	54560-FH	1	<input type="checkbox"/>	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.



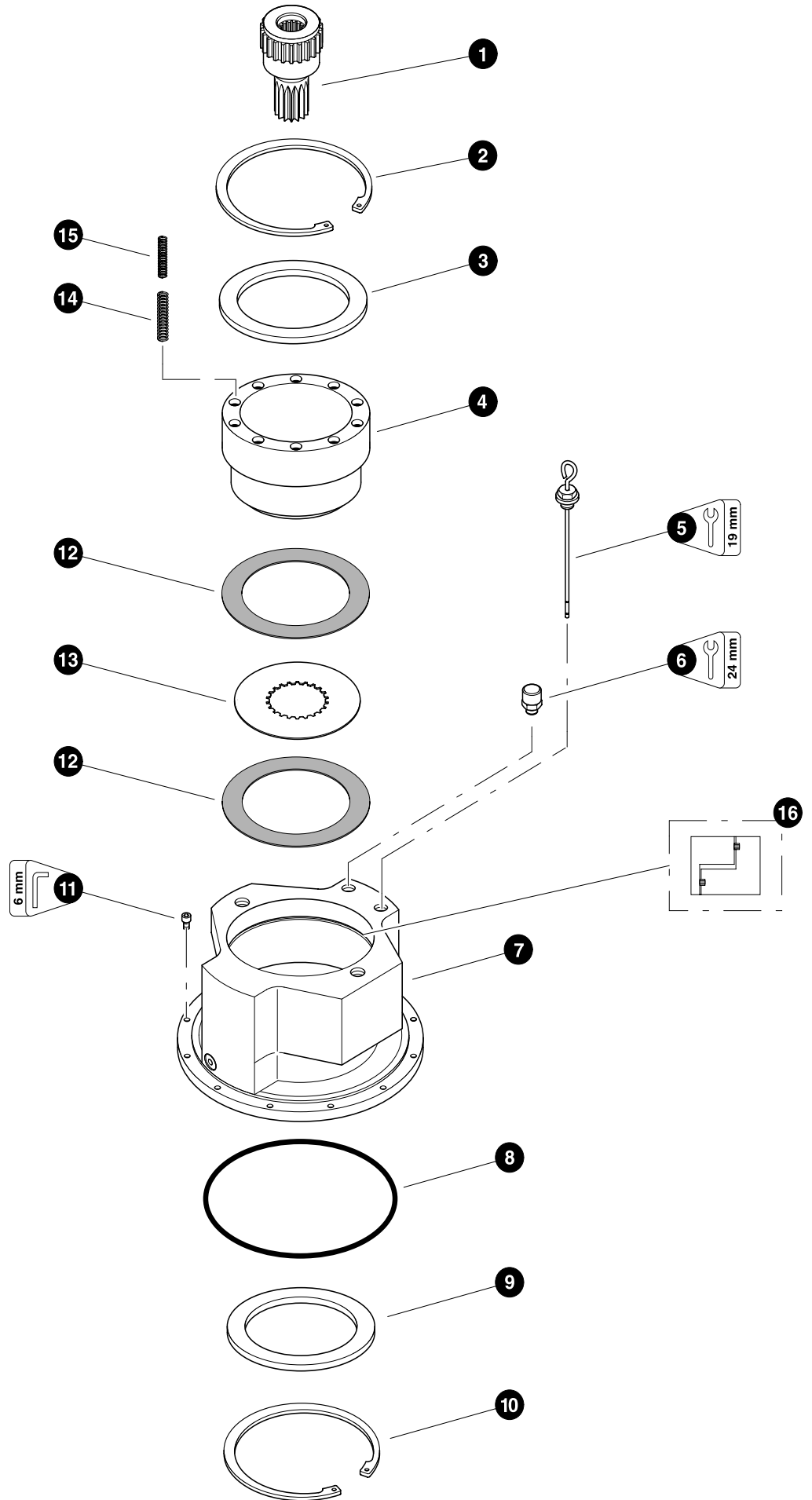
## SWING MOTOR HYDRAULICS (swing motor installation)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
--	52745-FH	1	<input type="checkbox"/>	MOTOR, SWING - ECCENTRIC L&S W/56 MOTOR	
1	20661-FH	1		BOLT - 16mm-2.0P x 35mm	
2	17238-FH	1	<input type="checkbox"/>	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  
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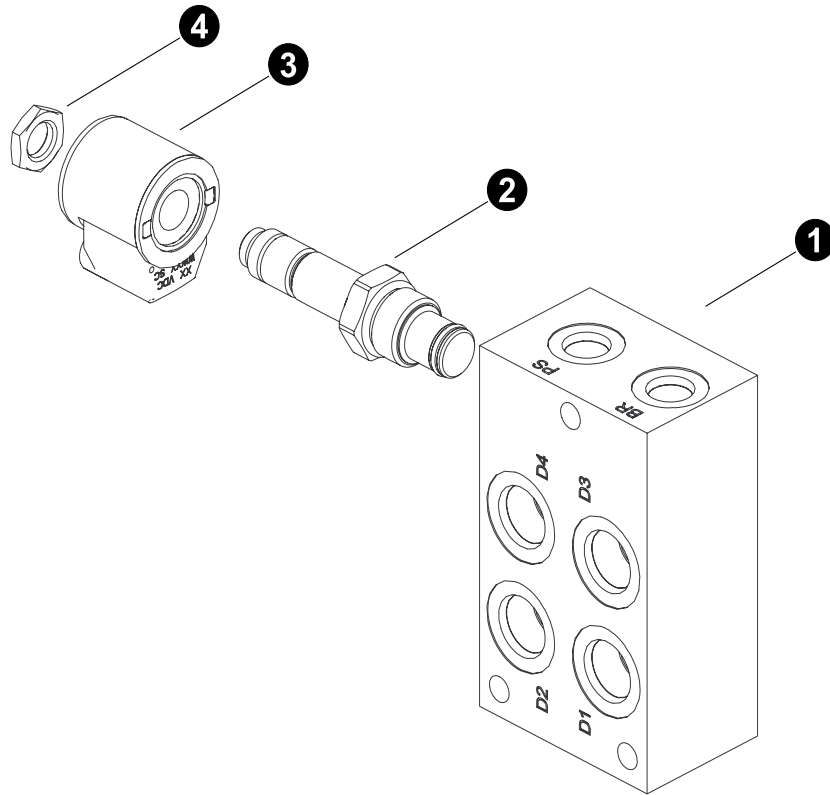
## SWING MOTOR HYDRAULICS (swing gearbox brake)

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:

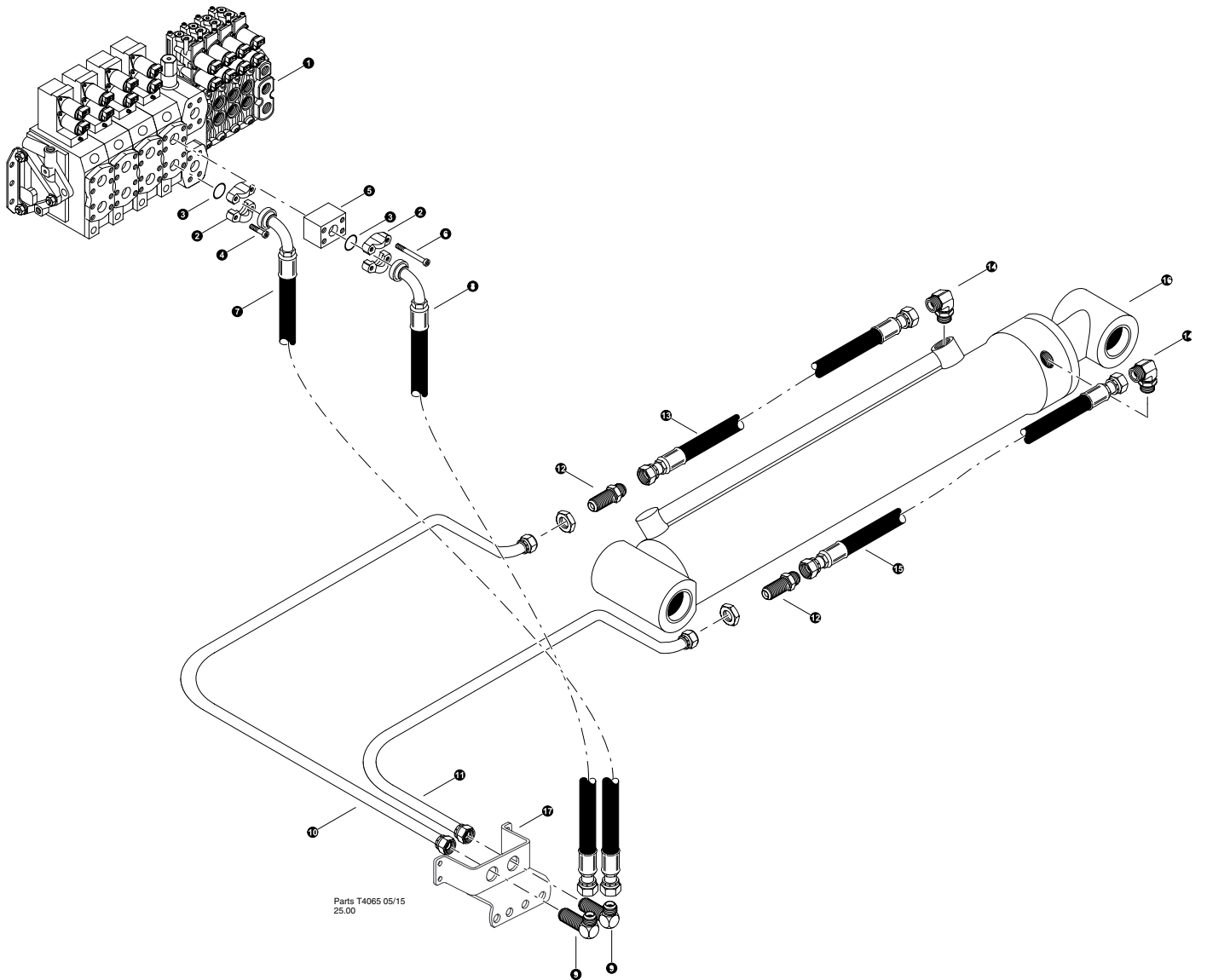
Due to warranty policy restrictions imposed by component suppliers, it is not recommended that the component be disassembled further than is shown in the illustration.






# ***Section FH-4***

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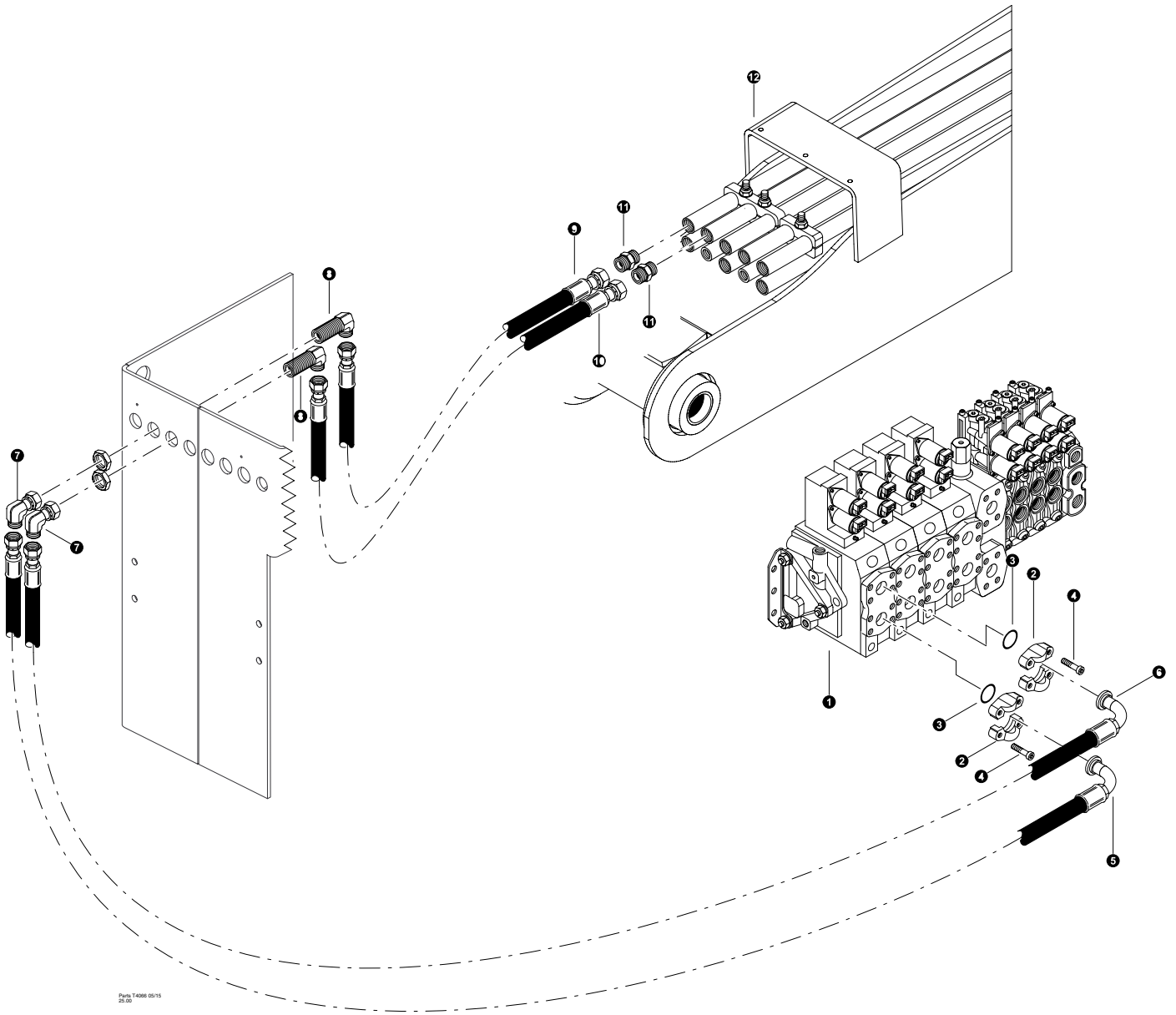
## ***Feller Buncher Hydraulics - Implement Connections - Common***






## 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	15111-FH	2	 KIT, split flange - 1" SF (Code 61)	
3	15377-FH	2	O-RING - 1" SF	
4	18979-FH	8	BOLT, allen M10 X 45MM	
5	46248-FH	1	MANIFOLD, VALVE BLOCK SAE 1" CODE 62	
6	55664-FH	4	BOLT - 10MM-1.5P X 80MM	
7	-FH	1	HOSE ASSEMBLY - 4029-16-160S-16PA4 ( <i>Main boom valve work port "B" to main boom cylinder bulkhead</i> )	
8	-FH	1	HOSE ASSEMBLY - 4033-16-160S-16PA4 ( <i>Main boom valve work port "A" to main boom cylinder bulkhead</i> )	
9	54687-FH	2	ELBOW, BULK UNION WETX-WLN-S (16X16JIC)	
10	55168-FH	1	TUBELINE, MAIN BOOM CYLINDER A	
11	55169-FH	1	TUBELINE, MAIN BOOM CYLINDER B	
12	15351-FH	2	CONNECTOR, STR BULKHEAD - 2041-16-16S	
13	-FH	1	HOSE ASSEMBLY - 4068-16-16JS-16JS ( <i>main boom bulkhead to main boom cylinder base port</i> )	
14	15484-FH	2	ELBOW, 90 - 16 C5OX-S	
15	-FH	1	HOSE ASSEMBLY - 4059-16-16JS-16JS ( <i>main boom bulkhead to main boom cylinder rod port</i> )	
16	REF.	1	 MAIN BOOM (HOIST) CYLINDER . . . . .	FB-3

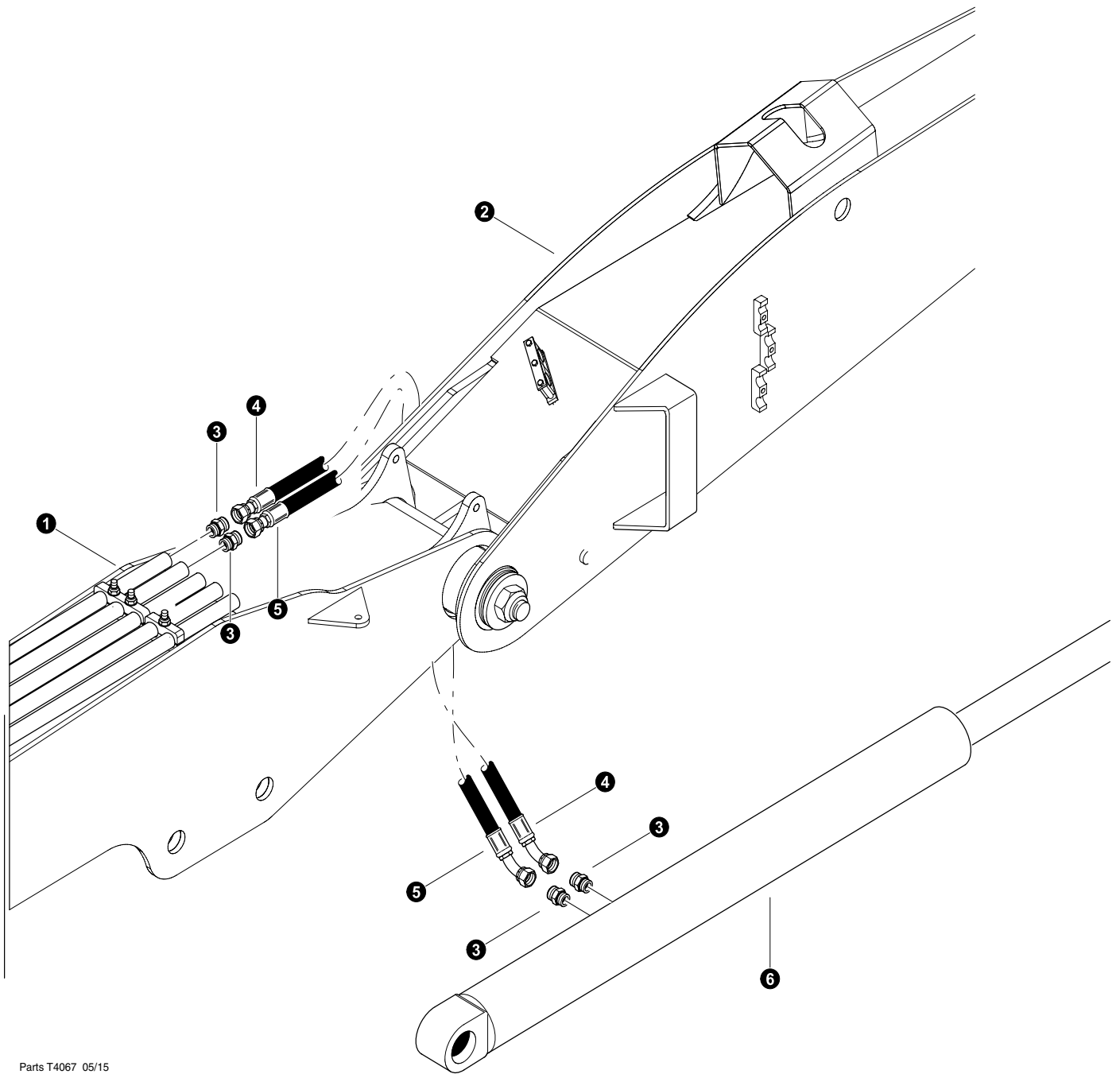
 See referenced page for component or assembly breakdown.



**STICK BOOM CYLINDER FUNCTION**  
**(Main Control Valve To Main Boom Tube Lines)**




REF	PART #	QTY	DESCRIPTION	SEE SECTION
			<b>Disc Saw or Disc/Bar Combo</b>	
1	REF.	1	 MAIN CONTROL VALVE . . . . .	FH-1
2	15111-FH	2	 KIT, split flange - 1" SF (Code 61)	
3	15377-FH	2	O-RING - 1" SF	
4	18979-FH	8	BOLT, allen M10 X 45MM	
5	-FH	1	HOSE ASSEMBLY - 4042-16-160S-16PA9 ( <i>Stick boom valve work port "B" to Bulkhead</i> )	
6	-FH	1	HOSE ASSEMBLY - 4039-16-160S-16PA9 ( <i>Stick boom valve work port "A" to Bulkhead</i> )	
7	17682-FH	2	ELBOW, 90 SWIVEL - FF2098T-1616S	
8	53680-FH	2	FITTING, BULKHEAD UNION ELBOW 16 WELO-WN	
9	-FH	1	HOSE ASSEMBLY - 4039-16-160S-16OS-AG ( <i>Stick boom TUBELINE to Bulkhead</i> )	
10	-FH	1	HOSE ASSEMBLY - 4039-16-160S-16OS-AG ( <i>Stick boom TUBELINE to Bulkhead</i> )	
11	15225-FH	2	CONNECTOR, STR - FF1852T-1616S	
12	REF.	1	 MAIN BOOM ASSEMBLY . . . . .	FB-1

 See referenced page for component or assembly breakdown.

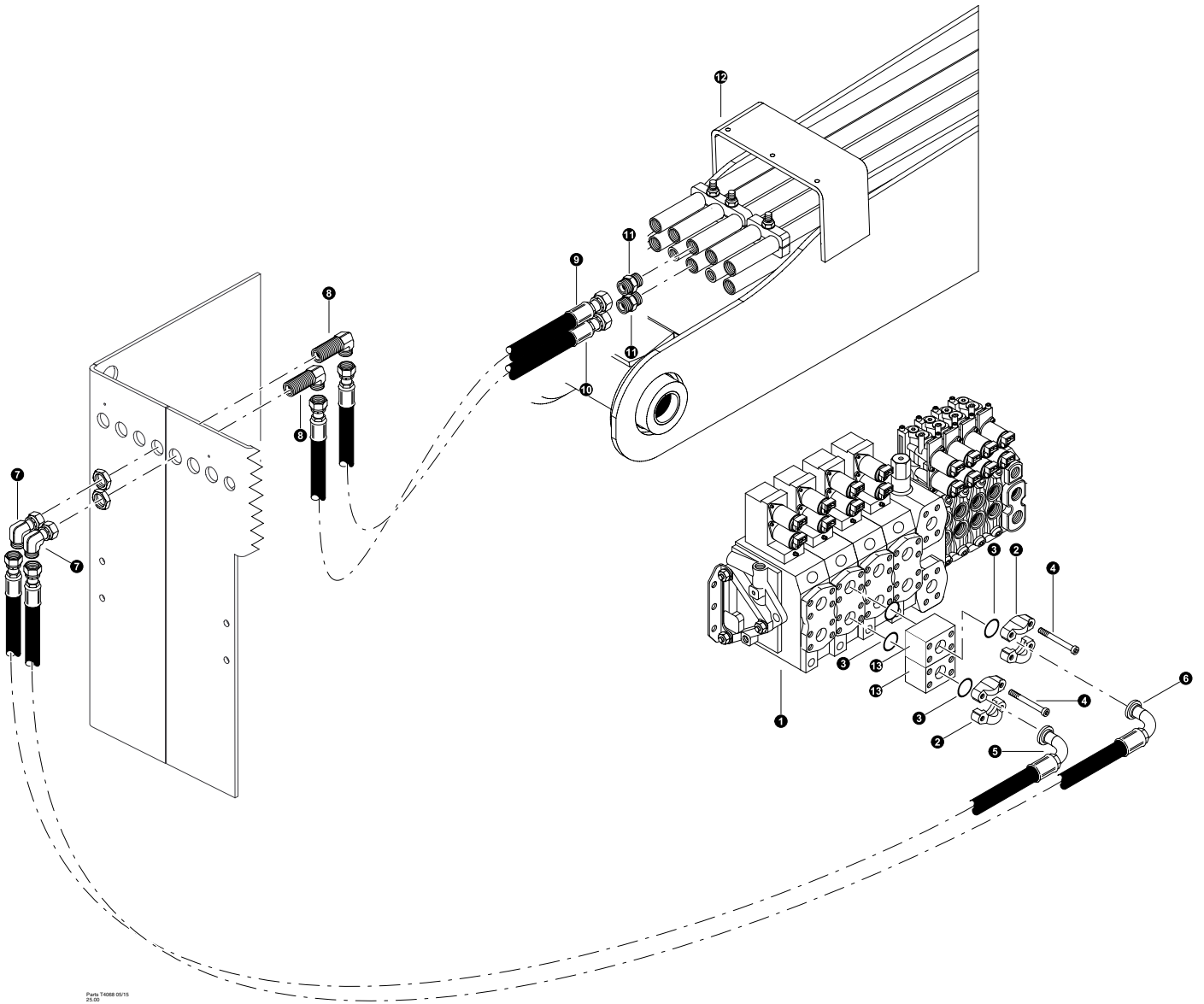


Parts T4067 05/15  
12.5




## STICK BOOM CYLINDER FUNCTION (Main Boom To Stick Boom Cylinder)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 STICK BOOM CYLINDER.....	FB-3
2	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
3	15225-FH	6	CONNECTOR, STR - FF1852T-1616S	
4	-FH	1	HOSE ASSEMBLY - 4084-16-160S-16O4 ( <i>Main Boom to Stick Cylinder Rod</i> )	
5	-FH	1	HOSE ASSEMBLY - 4081-16-160S-16O4 ( <i>Main Boom to Stick Cylinder Base</i> )	
6	REF.	1	 STICK CYLINDER.....	FB-3

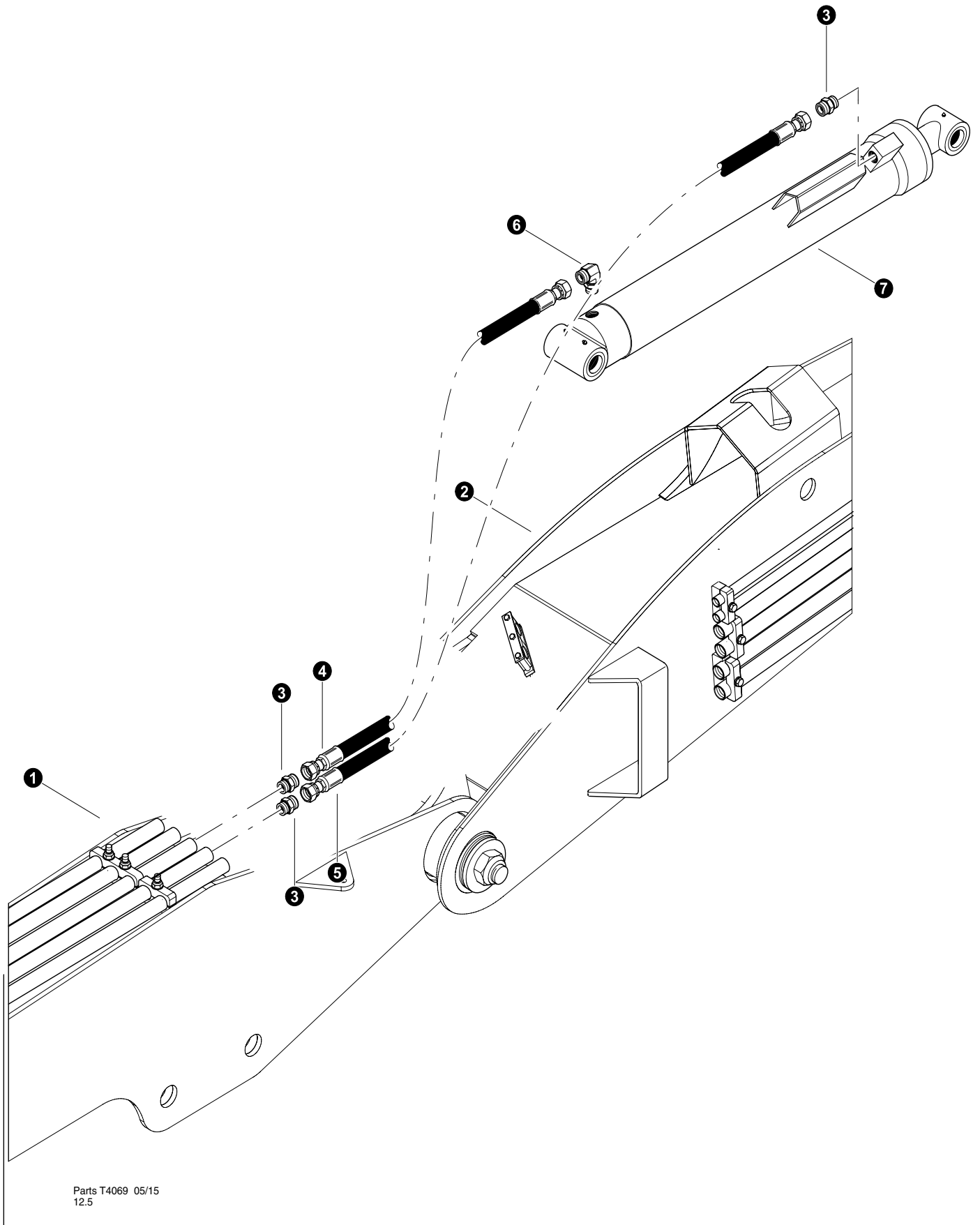
 See referenced page for component or assembly breakdown.



## 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)	
3	15377-FH	4	O-RING - 1" SF	
4	55664-FH	8	BOLT - 10MM-1.5P X 80MM	
5	-FH	1	HOSE ASSEMBLY - 4040-16-160S-16PA9 ( <i>Tool Cyl valve work port "B" to Bulkhead</i> )	
6	-FH	1	HOSE ASSEMBLY - 4038-16-160S-16PA9 ( <i>Tool Cyl valve work port "A" to Bulkhead</i> )	
7	17682-FH	2	ELBOW, 90 SWIVEL - FF2098T-1616S	
8	53680-FH	2	FITTING, BULKHEAD UNION ELBOW 16 WELO-WN	
9	-FH	1	HOSE ASSEMBLY - 4039-16-160S-16OS-AG ( <i>Tool Cyl TUBELINE to Bulkhead</i> )	
10	-FH	1	HOSE ASSEMBLY - 4040-16-160S-16OS-AG ( <i>Tool Cyl TUBELINE to Bulkhead</i> )	
11	15225-FH	2	CONNECTOR, STR - FF1852T-1616S	
12	REF.	1	 MAIN BOOM ASSEMBLY . . . . .	FB-1
13	46248-FH	2	MANIFOLD, VALVE BLOCK SAE 1" CODE 62	

 See referenced page for component or assembly breakdown.

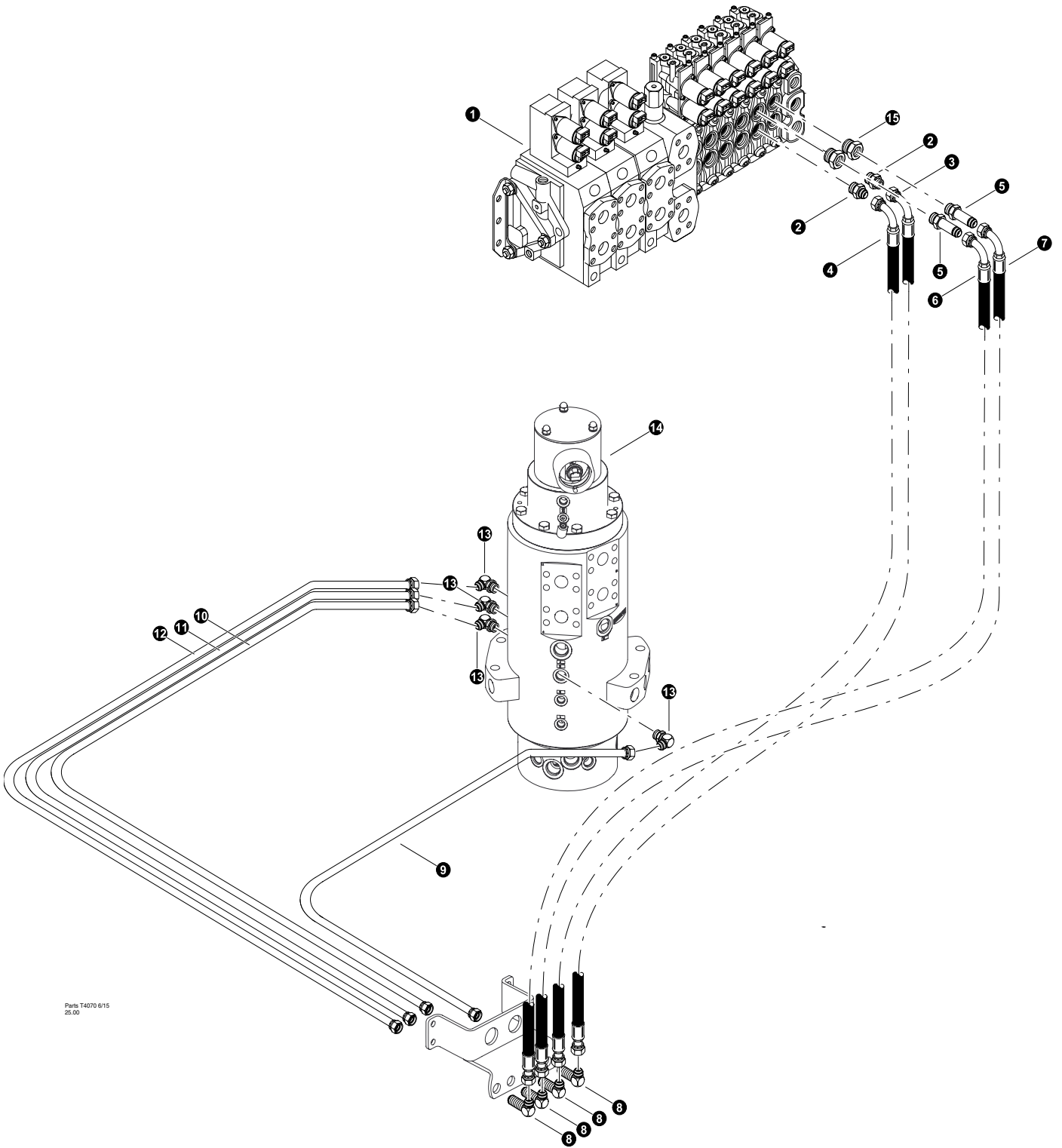


Parts T4069 05/15  
12.5

## TOOL CYLINDER FUNCTION (Main Boom To Tool Cylinder)



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	REF.	1	 STICK BOOM ASSEMBLY .....	FB-1
3	15225-FH	3	CONNECTOR, STR - FF1852T-1616S	
4	-FH	1	HOSE ASSEMBLY - 4108-16-160S-16OS ( <i>Main Boom to Tool Cylinder Base</i> )	
5	-FH	1	HOSE ASSEMBLY - 4154-16-160S-16OS ( <i>Main Boom to Tool Cylinder Rod</i> )	
6	15225-FH	1	CONNECTOR, STR - FF1852T-1616S	
7	REF.	1	 TOOL CYLINDER .....	FB-3

 See referenced page for component or assembly breakdown.



Parts T4070 815  
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**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	55376-FH	2	FITTING, STRAIGHT - 8-10 F5OX-S	
3	-FH	1	HOSE ASSEMBLY - 4035-08-08JS-08J9 ( <i>Cab Level section "A" to Bulkhead) Rotary Manifold Port 6)</i>	
4	-FH	1	HOSE ASSEMBLY - 4035-08-08JS-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 - 4038-08-08JS-08J9 ( <i>Cab Level section "B" to Bulkhead) Rotary Manifold Port 6)</i>	
7	-FH	1	HOSE ASSEMBLY - 4038-08-08JS-08J9 ( <i>Cab Level section "B" to Bulkhead) Rotary Manifold Port 4)</i>	
8	55382-FH	4	FITTING, BULKHEAD - 8 WETX-WLN-S	
9	55282-FH	1	TUBELINE, LEVEL TRACK to Port #5	
10	55283-FH	1	TUBELINE, LEVEL TRACK to Port #2	
11	55284-FH	1	TUBELINE, LEVEL TRACK to Port #4	
12	55285-FH	1	TUBELINE, LEVEL TRACK to Port #6	
13	15481-FH	4	ELBOW, 90 - 6801-8	
14	REF.	1	 ROTORY MANIFOLD ASSEMBLY . . . . .	UP-1
15	19290-FH	2	BUSHING, REDUCER - 6410-10-8	

 See referenced page for component or assembly breakdown.

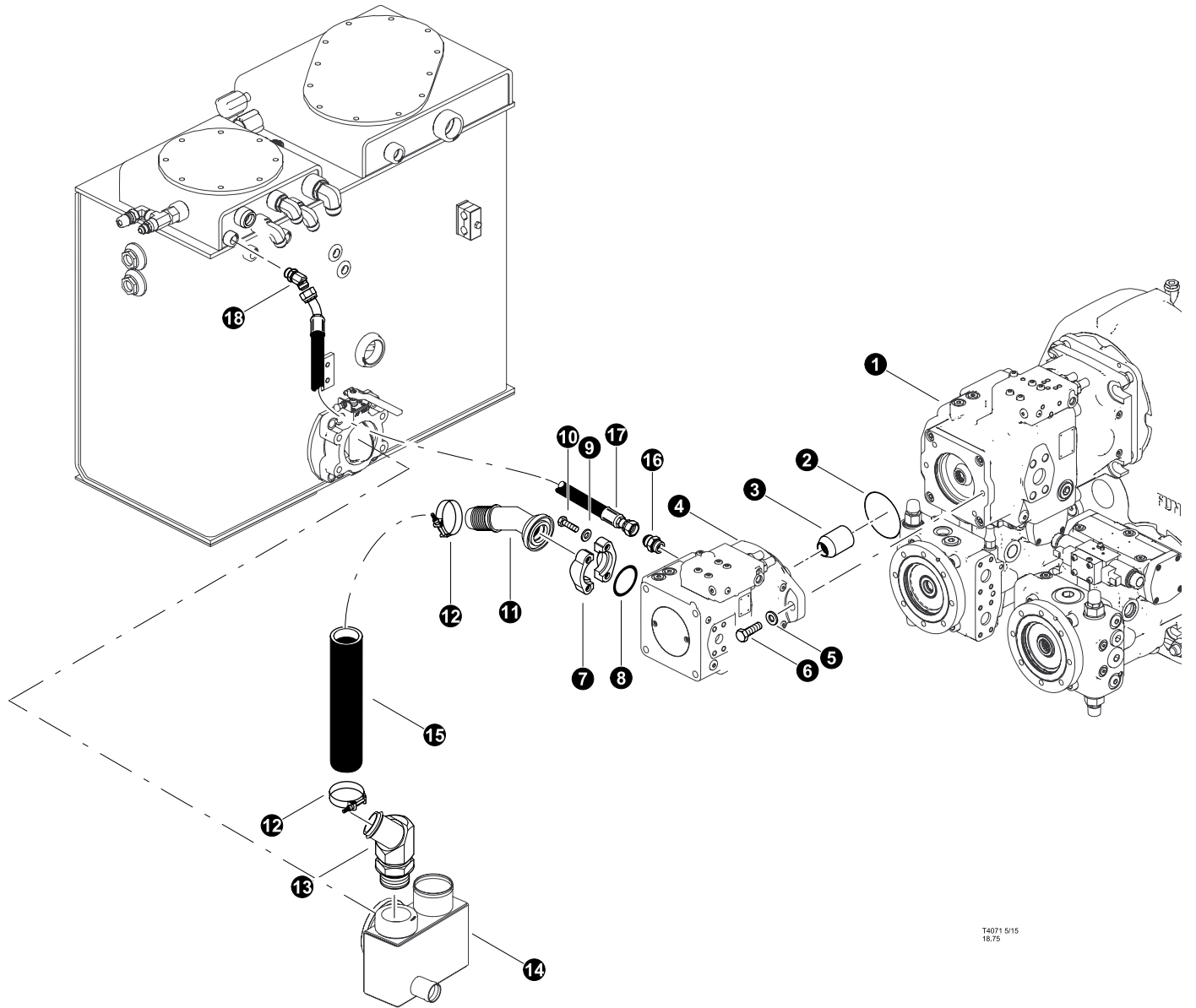


# ***Section FH-5***

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***Feller Buncher Hydraulics -***



***Disc Saw / Bar Saw Combo  
(Standard Stick Boom)***

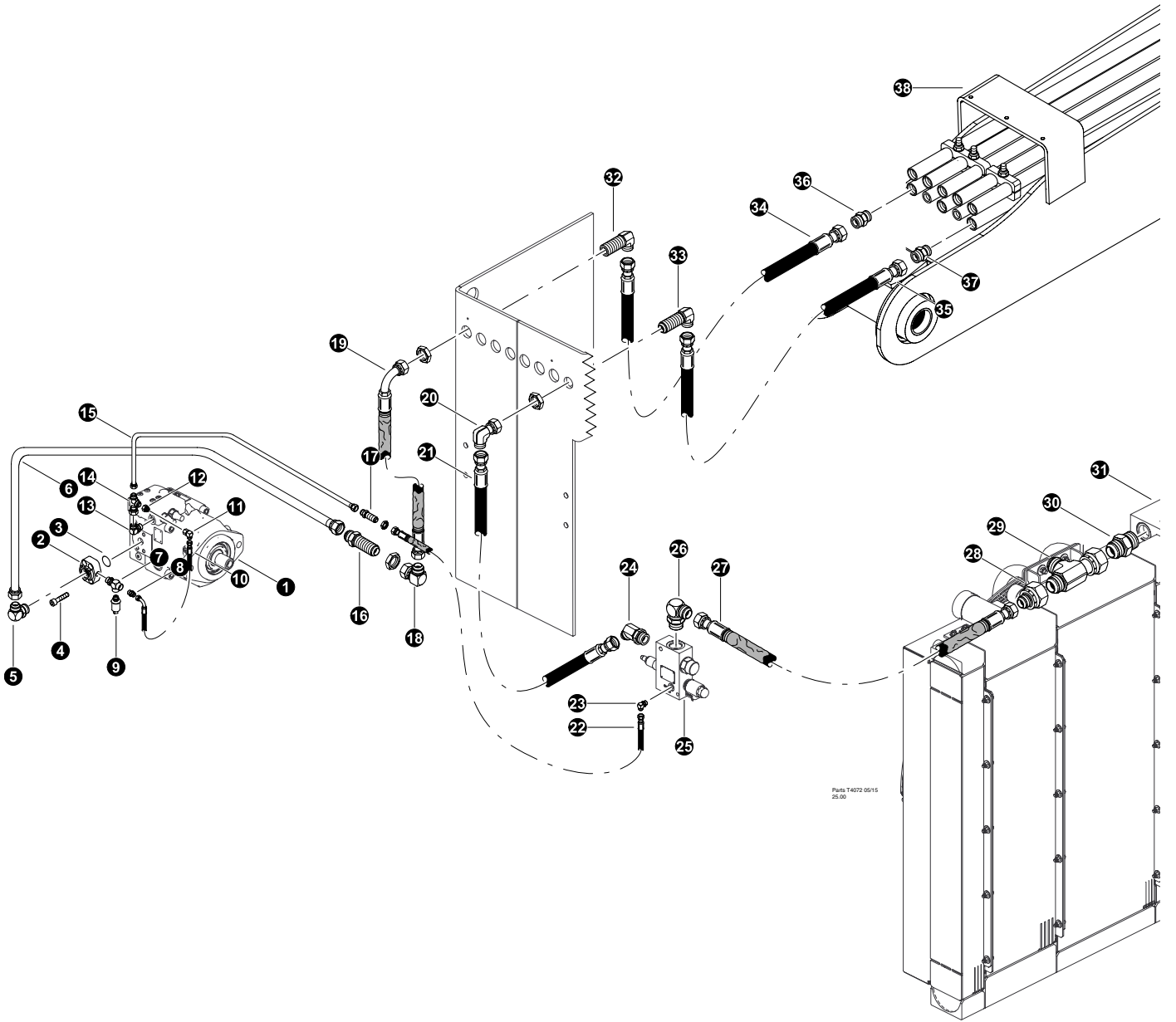


T4071 5/15  
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## FELLER BUNCHER - DISC SAW HYDRAULICS (Disc Saw Pump Installation)




REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		IMPLEMENT PUMP.....	FH-1
2	1-248-90-FH	1		O-RING, Pilot "R909154589"	
3	R902076964-FH	1		COUPLING, SHAFT DISC PUMP	
4	REF.	1		PUMP, DISC SAW.....	FH-1
5	18735-FH	2		WASHER, flat - 12mm	
6	25028-FH	2		BOLT - 12mm x 35mm	
7	21226-FH	1		KIT, SPLIT FLANGE - 1.5" (CODE 61)	
8	15389-FH	1		O-RING - 1-1/2" SF	
9	-FH	4		LOCK WASHER	
10	-FH	4		BOLT - 1/2 x 1 1/2	
11	55399-FH	1		KING NIPPLE, 45	
12	18104-FH	2		CLAMP, CONSTANT TORQUE - #36	
13	27545-FH	1		KING NIPPLE, 45	
14	46200-FH	1		WELDMENT, SUCTION TUBE, C-MODEL	
15	-FH	AR		HOSE ASSEMBLY - 1014.5 - 32 (1 1/2" SUCTION)	
16	55376-FH	1		FITTING, STRAIGHT - 8-10 F5OX-S	
17	-FH	1		HOSE ASSEMBLY - 2021-08-08JS-08J4 (Case Drain)	
18	55343-FH	1		FITTING, ELBOW - 45DEG - 8 V5OX-S	

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

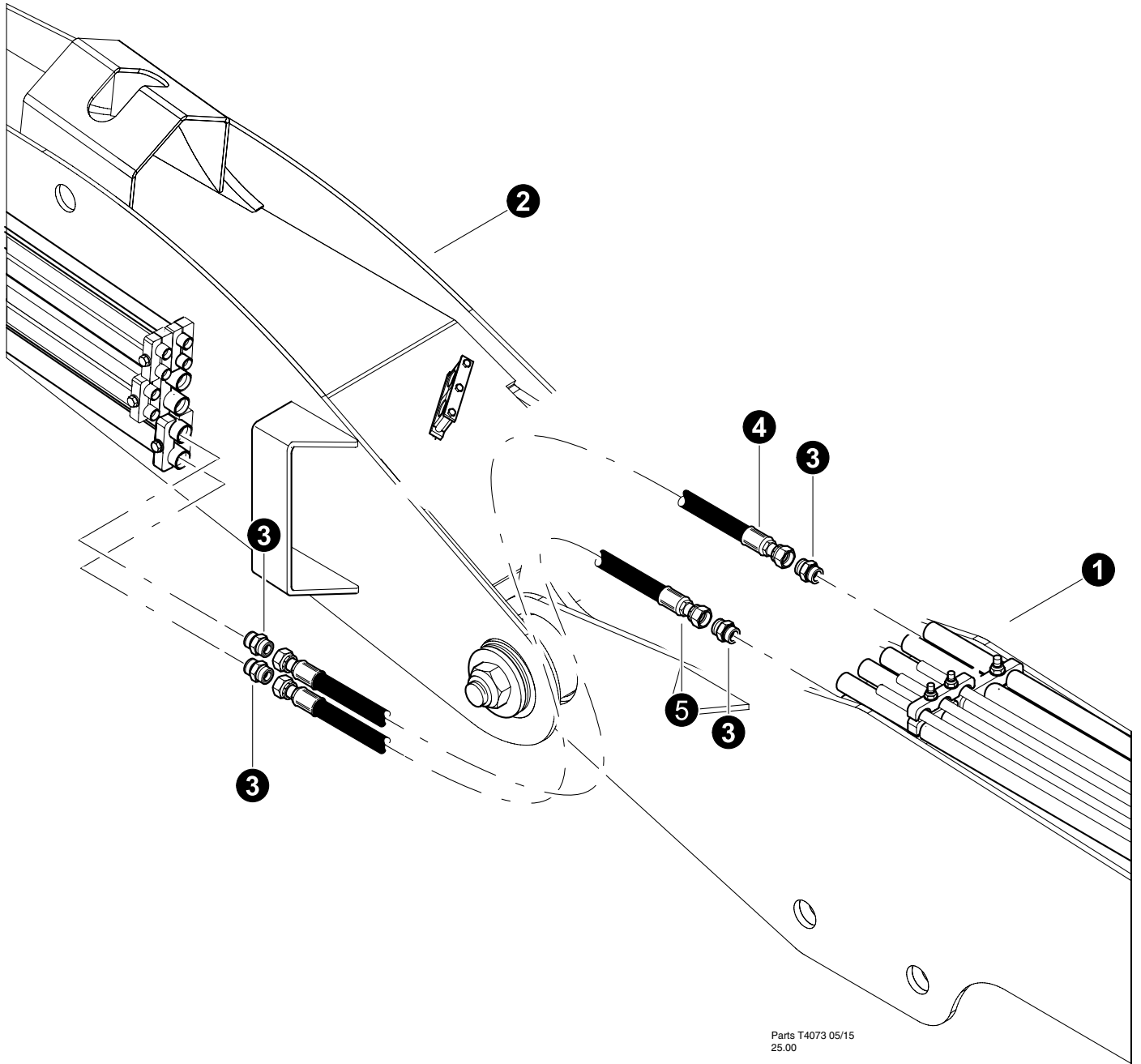


**FELLER BUNCHER - DISC SAW HYDRAULICS**



**(Pressure and Tank Connections)**


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 DISC SAW PUMP .....	FH-1
2	55269-FH	1	FLANGE PAD, HP DISC SAW - 12-12 ORB	
3	-FH	4	ALLEN BOLT	
4	-FH	1	O-RING -.75" SF	
5	53076-FH	1	ELBOW - 16-12 C50X-S	
6	55171-FH	1	TUBELINE, DISC PUMP P TO BALK HEAD - C	
7	52186-FH	1	TEE, RUN - MALE (4 A0G5J5-S)	
8	55214-FH	1	CONNECTOR, STR - 848-TTO-04X04 (W/.031)	
9	24532-FH	1	TRANSDUCER, HYD PRESS - 7500p (current)	
10	-FH	1	HOSE ASSEMBLY - 2017-04-04JS-04O9 ( <i>LS Jumper</i> )	
11	17023-FH	1	ELBOW, 90 SWIVEL - 6500-4	
12	55619-FH	1	REDUCER, TUBE END W/LG NUT - 6-4 TRTXN-S	
13	15480-FH	1	ELBOW, 90 - 6801-6	
14	-FH	1	TEE - 04 Jic	
15	55242-FH	1	TUBELINE, DISC SAW-BH PANEL TRACK	
16	15351-FH	1	CONNECTOR, STR BULKHEAD - 2041-16-16S	
17	55347-FH	1	FITTING, ELBOW - BULKHEAD 6 WETX-WLN-S	
18	52968-FH	1	ELBOW, 90 - 16 C6XO JIC/ORB	
19	-FH	1	HOSE ASSEMBLY - 5014.5CS -16-16JS-16O9 ( <i>Pump Pressure</i> )	
20	52968-FH	1	ELBOW, 90 - 16 C6XO JIC/ORB	
21	-FH	1	HOSE ASSEMBLY - 2024 -16-16JS-16JS ( <i>Return to Saw Stop</i> )	
22	-FH	1	HOSE ASSEMBLY - 2044 -04-04JS-04JS ( <i>Saw Stop Loadsense</i> )	
23	51889-FH	1	ELBOW, 90 - (4C50X-S)	
24	15473-FH	1	ELBOW, 45 - 6802-16	
25	REF.	1	 SAW STOP VAVLE .....	FH-
26	15484-FH	1	ELBOW, 90 - 16 C5OX-S	
27	-FH	1	HOSE ASSEMBLY - 2030-16-16JS-16JS ( <i>Saw Stop to Cooler</i> )	
28	53182-FH	1	FITTING, REDUCER TUBE END - 24-16	
29	53183-FH	1	FITTING, SWIVEL NUT RUN TEE #24	
30	22319-FH	1	CONNECTOR, STR - 24 JIC	
31	REF	1	OIL COOLER BREAKDOWN .....	UP-3
32	53680-FH	2	FITTING, BULKHEAD UNION ELBOW 16 WELO-WN	
33	54687-FH	1	ELBOW, BULK UNION WETX-WLN-S (16X16JIC)	
34	-FH	1	HOSE ASSEMBLY - 5039CS-16-160S-160S-AG ( <i>Main Boom tube line to Disc Pump Pressure</i> )	
35	-FH	1	HOSE ASSEMBLY - 4039-16-16JS-160S-AG ( <i>Main Boom tube line to Return</i> )	
36	15225-FH	1	CONNECTOR, straight - FF1852T-1616S	
37	15225-FH	1	CONNECTOR, straight - FF1852T-1616S	
38	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1

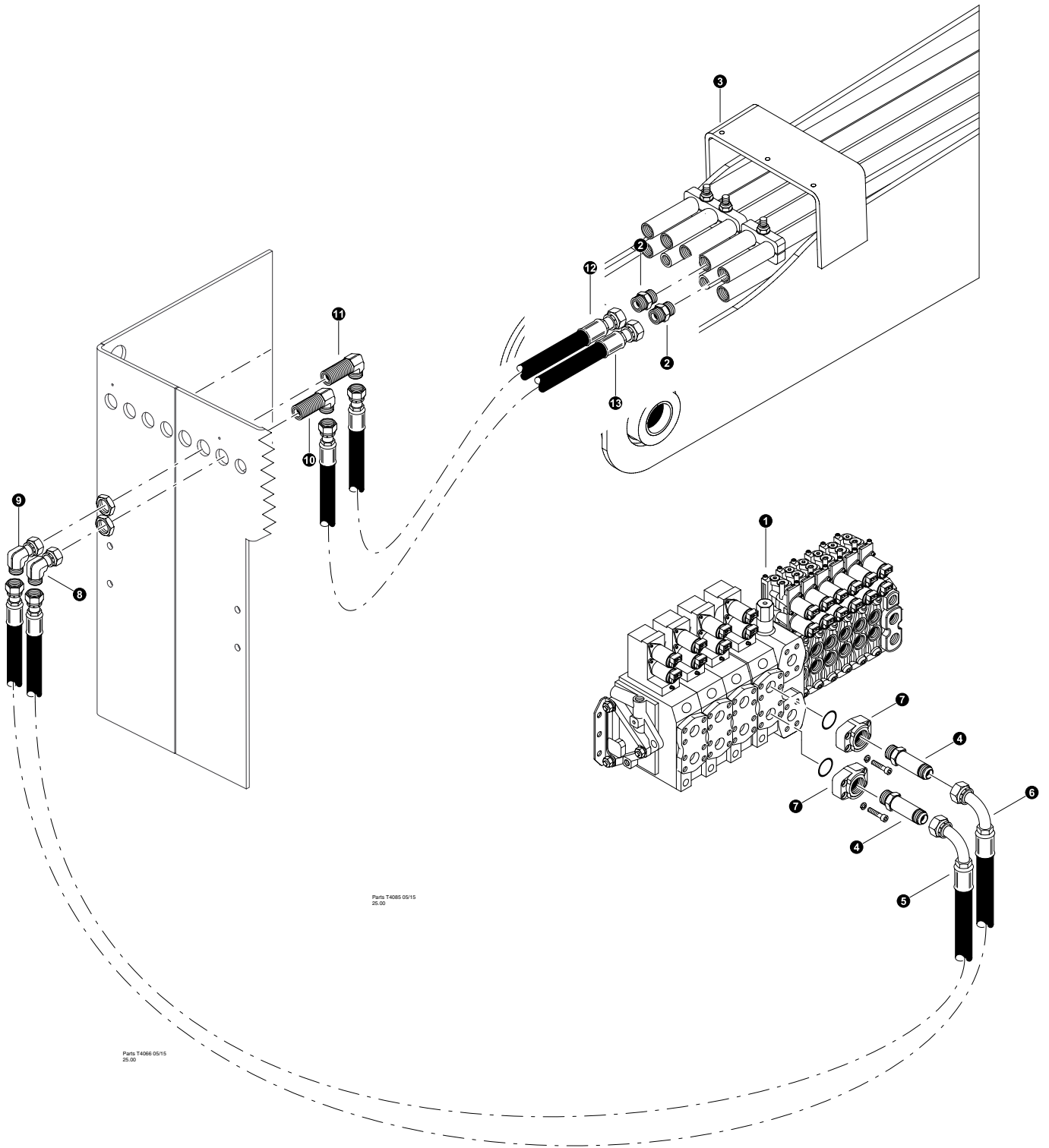
 See referenced page for component or assembly breakdown.



**FELLER BUNCHER - DISC SAW HYDRAULICS**  
**Main Boom to Stick Boom Pressure and Tank**  
**(Standard Stick Boom)**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	REF.	1	 STICK BOOM ASSEMBLY .....	FB-2
3	15225-FH	4	CONNECTOR, straight - FF1852T-1616S	
4	-FH	1	HOSE ASSEMBLY - 4075-16-160S-16OS ( <i>Main Boom tube line to Stick Boom Return</i> )	
5	-FH	1	HOSE ASSEMBLY - 5070CS-16-160S-16OS ( <i>Main Boom tube line to Stick Boom Pressure</i> )	



 See referenced page for component or assembly breakdown.



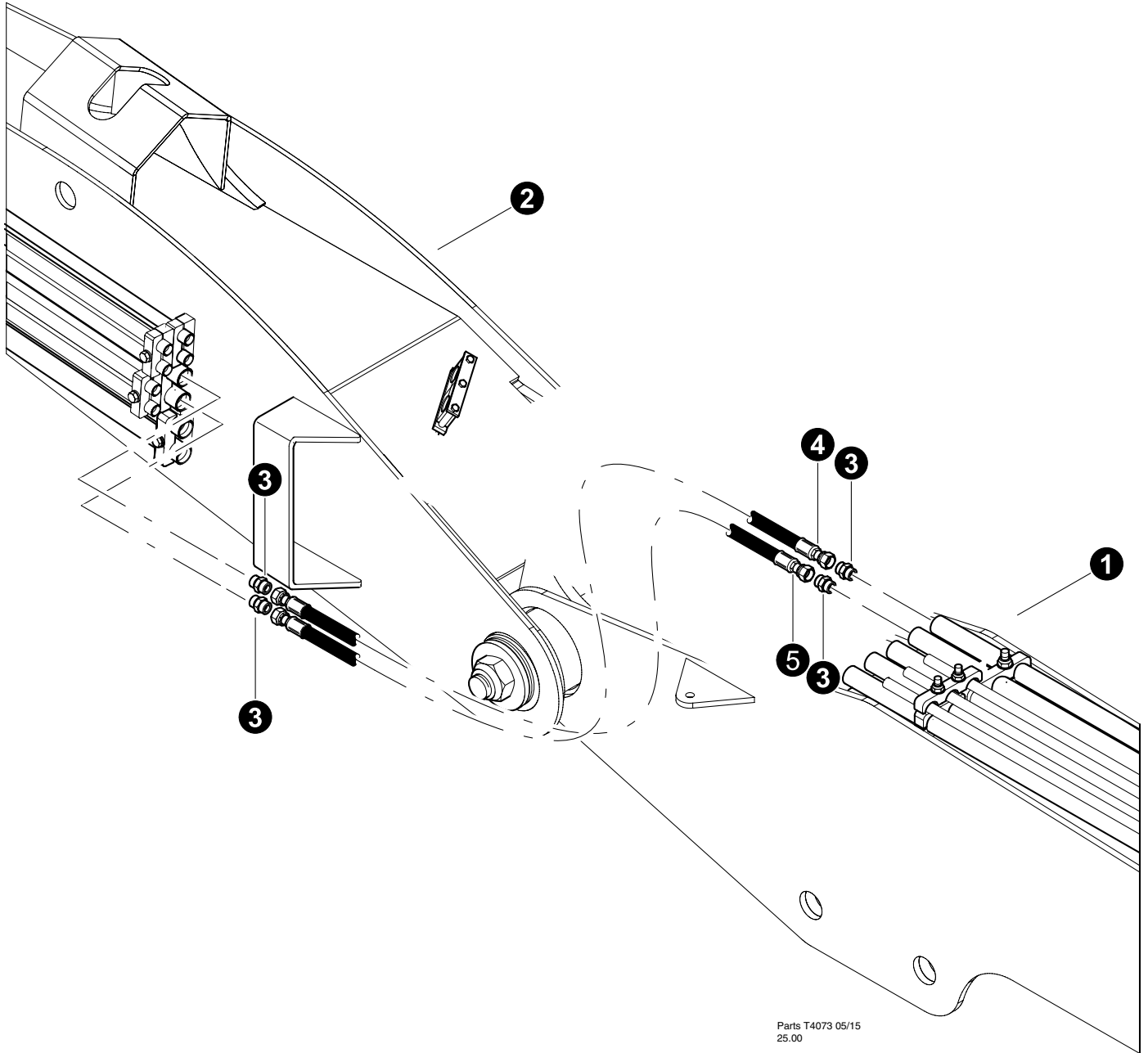
## FELLER BUNCHER - DISC SAW HYDRAULICS

### (Bar Saw P and T Connection)

#### Valve Connections



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 VALVE ASSEMBLY .....	FH-1
2	15225-FH	4	CONNECTOR, straight - FF1852T-1616S	
3	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
4	53034-FH	2	CONNECTOR, STR - LONG JIC X ORB	
5	-FH	1	HOSE ASSEMBLY - 4033-16-16OS-16J9 ( <i>Saw Valve to Bulkhead</i> )	
6	-FH	1	HOSE ASSEMBLY - 4038-16-16OS-16J9 ( <i>Saw Valve to Bulkhead</i> )	
7	22758-FH	1	CONNECTOR, FLANGE PAD - W46K-16-16 (SAE)	
8	17682-FH	2	ELBOW, 90 SWIVEL - FF2098T-1616S	
9	17682-FH	2	ELBOW, 90 SWIVEL - FF2098T-1616S	
10	53680-FH	2	FITTING, BULKHEAD UNION ELBOW 16 WELO-WN	
11	53680-FH	2	FITTING, BULKHEAD UNION ELBOW 16 WELO-WN	
12	-FH	1	HOSE ASSEMBLY - 4040-16-16OS-16OS-AG ( <i>SAW TUBELINE to Bulkhead</i> )	
13	-FH	1	HOSE ASSEMBLY - 4040-16-16OS-16OS-AG ( <i>SAW TUBELINE to Bulkhead</i> )	

 See referenced page for component or assembly breakdown.

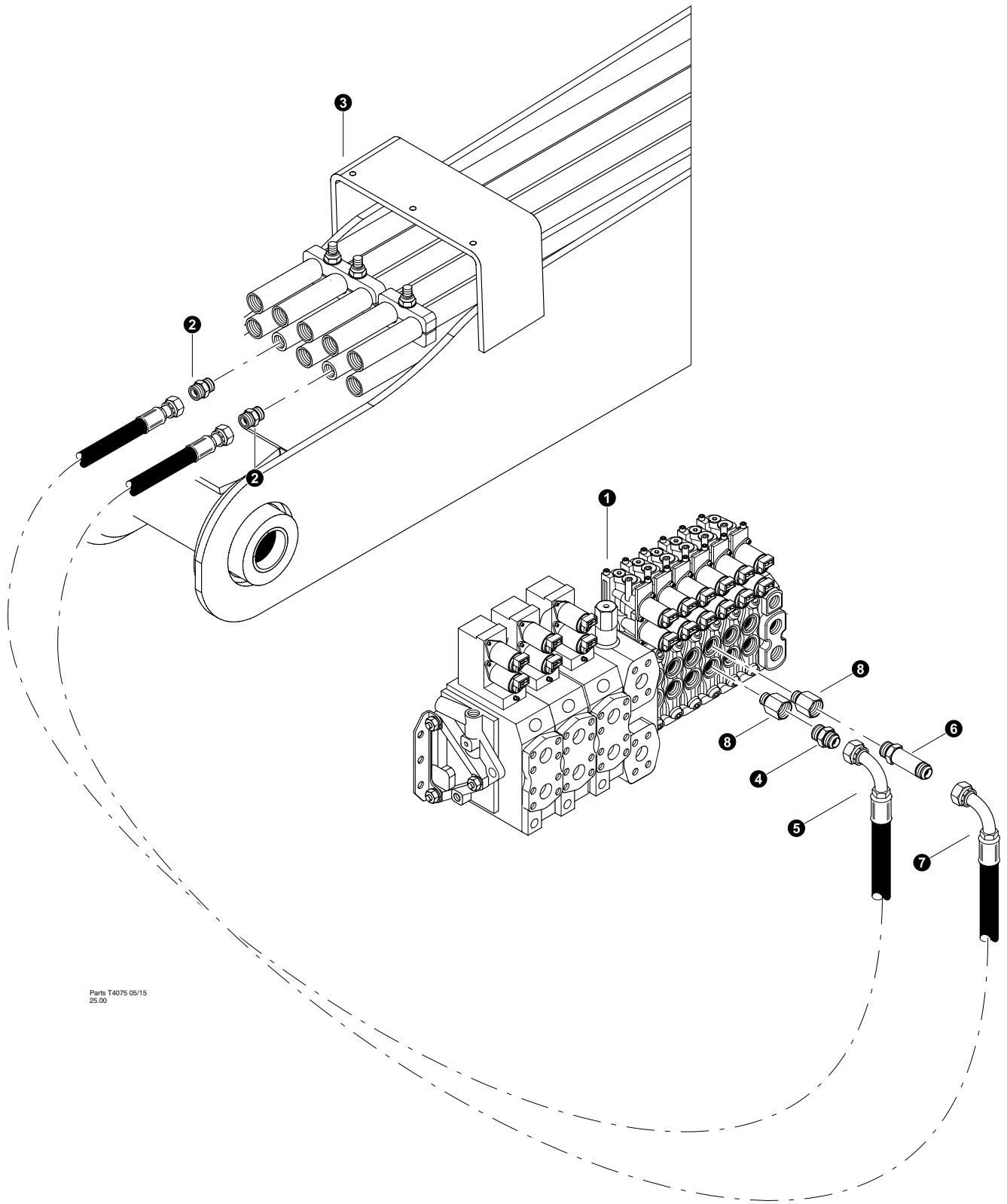


Parts T4073 05/15  
25.00

**FELLER BUNCHER - DISC SAW HYDRAULICS**  
**(Bar Saw P and T Connection)**  
**(Standard Stick Boom)**



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	REF.	1	 STICK BOOM ASSEMBLY .....	FB-2
3	15225-FH	4	CONNECTOR, straight - FF1852T-1616S	
4	-FH	1	HOSE ASSEMBLY - 4076-16-160S-16OS ( <i>Main Boom tube line to Stick Boom</i> )	
5	-FH	1	HOSE ASSEMBLY - 4076-16-160S-16OS ( <i>Main Boom tube line to Stick Boom</i> )	

 See referenced page for component or assembly breakdown.

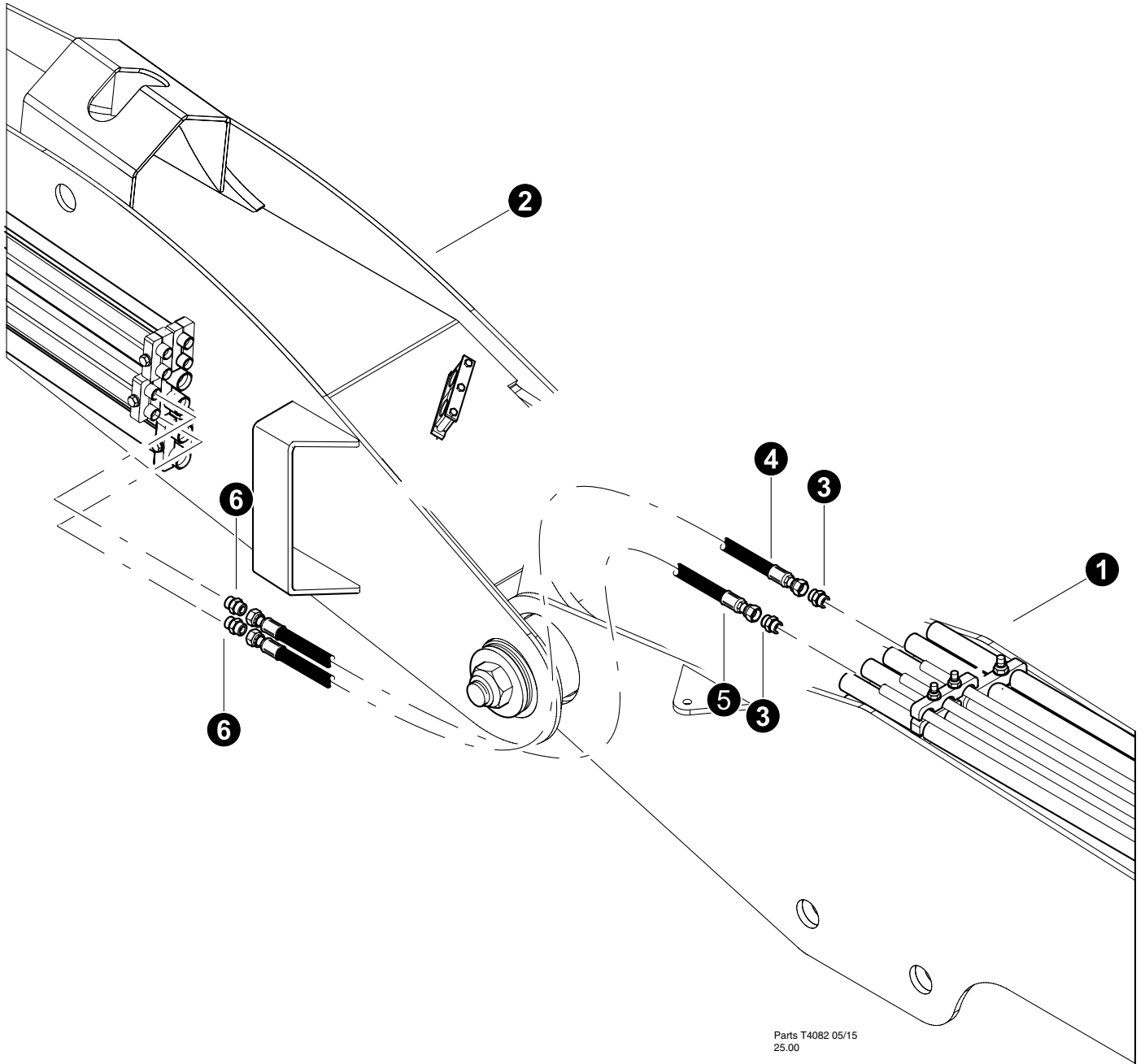


Parts T4075 05/15  
25.00



## FELLER BUNCHER - DISC SAW HYDRAULICS (Clamp Cylinder Connection)

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		VALVE ASSEMBLY .....	FH-1
2	15152-FH	2		CONNECTOR, STR - FF1852T-1212S	
3	REF.	1		MAIN BOOM ASSEMBLY .....	FB-1
4	11324-FH	1		CONNECTOR, STR - 6400-12	
5	-FH	1		HOSE ASSEMBLY - 4062-12-12OS-12J9 ( <i>Clamp A to Main Boom</i> )	
6	55356-FH	1		FITTING, 12 FF5OX-S	
7	-FH	1		HOSE ASSEMBLY - 4064-12-12OS-12J9 ( <i>Clamp B to Main Boom</i> )	

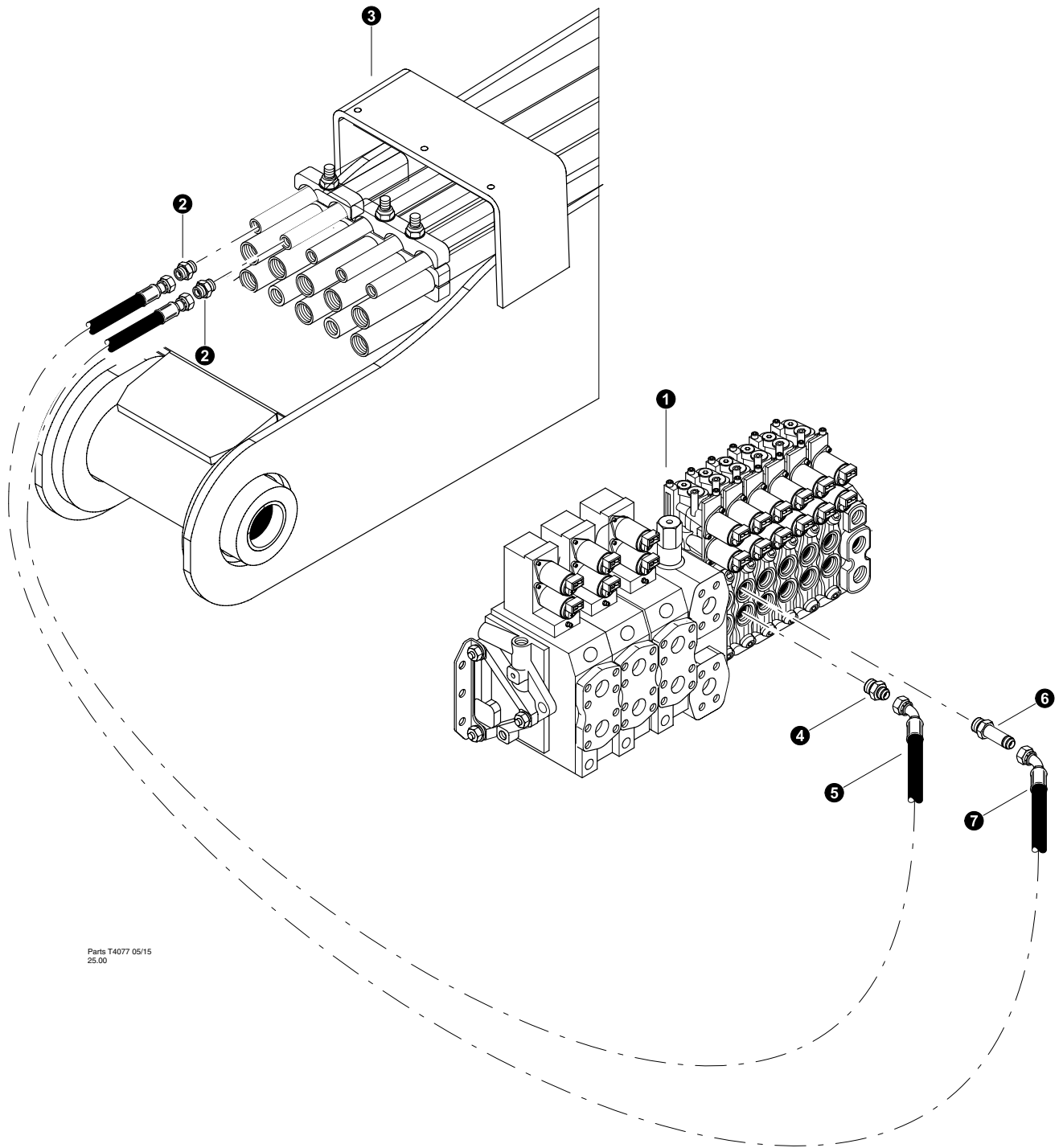
 See referenced page for component or assembly breakdown.



**FELLER BUNCHER - DISC SAW HYDRAULICS**  
**(Clamp Cylinder Connection)**  
**(Standard Stick Boom)**



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	REF.	1	 STICK BOOM ASSEMBLY .....	FB-2
3	15152-FH	2	CONNECTOR, STR - FF1852T-1212S	
4	-FH	1	HOSE ASSEMBLY - 4076-12-12OS-12OS ( <i>Main Boom tube line to Stick Boom Clamp Rod</i> )	
5	-FH	1	HOSE ASSEMBLY - 4076-12-12OS-12OS ( <i>Main Boom tube line to Stick Boom Clamp Base</i> )	
6	16913-FH	2	CONNECTOR, STR - FF1852T-1208S	


 See referenced page for component or assembly breakdown.

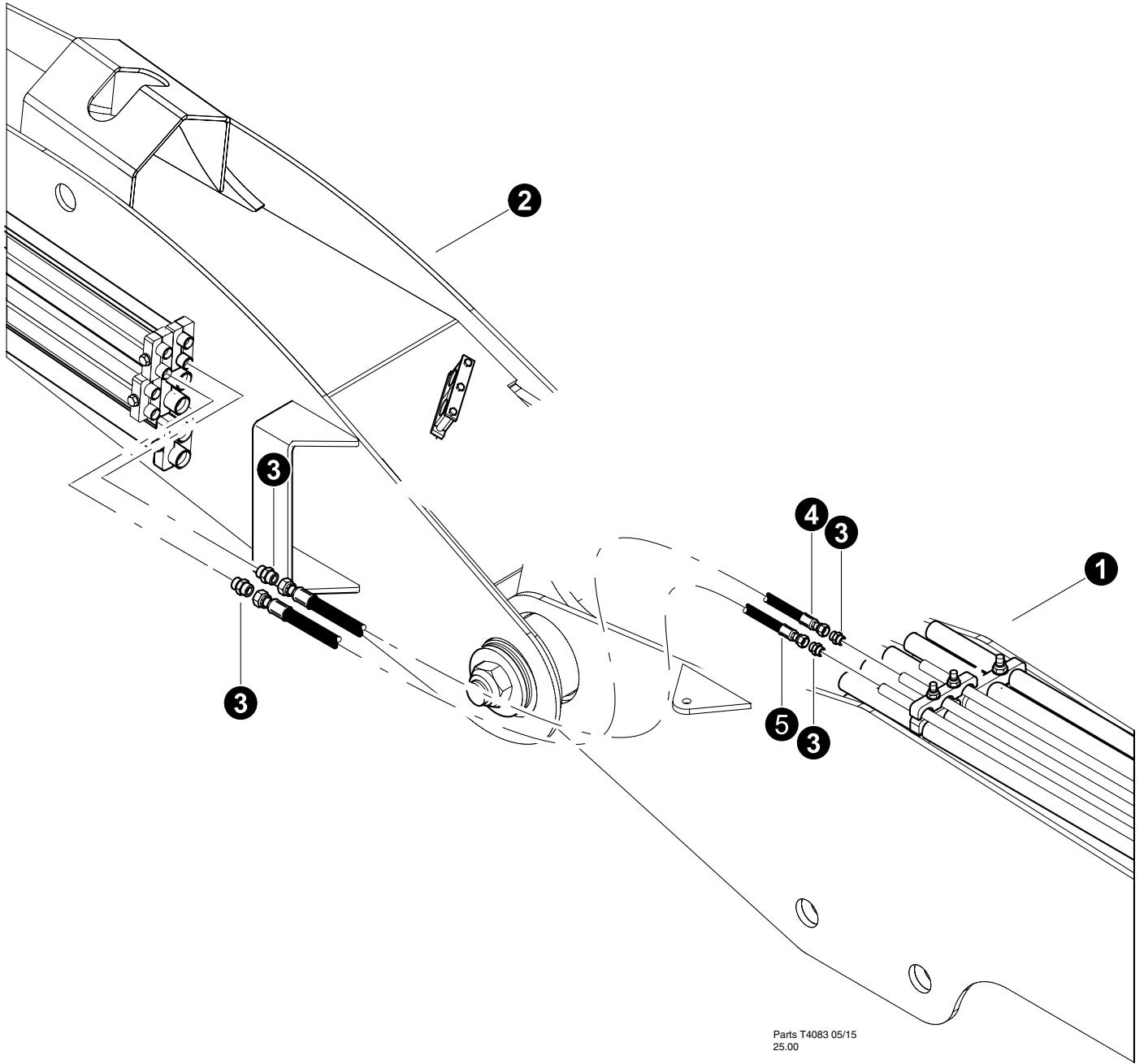


Parts T4077 05/15  
25.00



## FELLER BUNCHER - DISC SAW HYDRAULICS (Accumulator Cylinder Connection)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 VALVE ASSEMBLY .....	FH-1
2	51880-FH	2	CONNECTOR, STR - FF1852T-1008S	
3	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
4	15240-FH	1	CONNECTOR, STR - 6400-10	
5	-FH	1	HOSE ASSEMBLY - 4063-10-10OS-10J9 ( <i>Acc A to Main Boom</i> )	
6	55512-FH	1	FITTING, STRAIGHT CONNECTOR - #10 LONG	
7	-FH	1	HOSE ASSEMBLY - 4064-10-10OS-10J9 ( <i>Acc B to Main Boom</i> )	

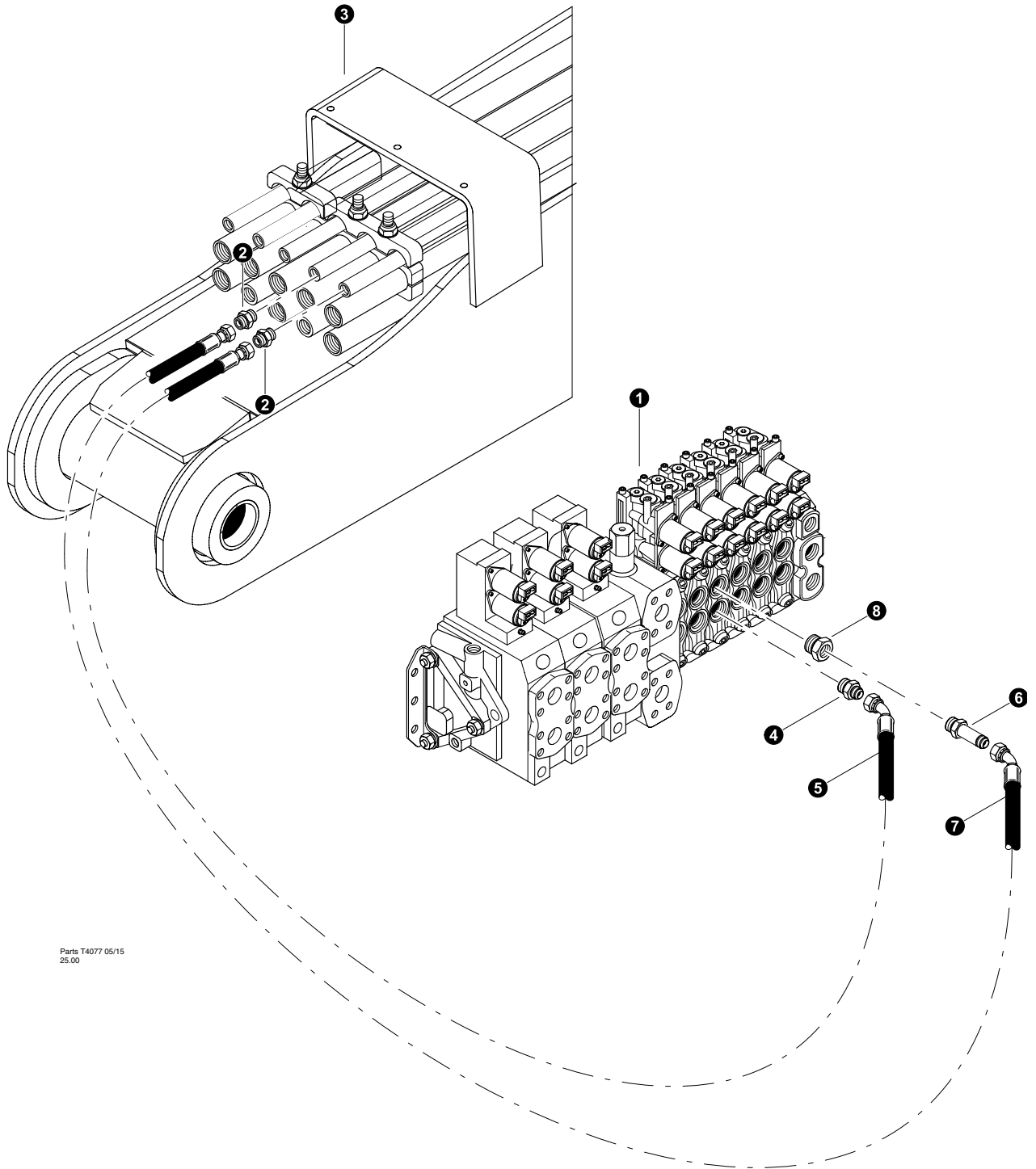
 See referenced page for component or assembly breakdown.



**FELLER BUNCHER - DISC SAW HYDRAULICS**  
**(Accumulator Cylinder Connection)**  
**(Standard Stick Boom)**



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	REF.	1	 STICK BOOM ASSEMBLY .....	FB-2
3	51880-FH	4	CONNECTOR, STR - FF1852T-1008S	
4	-FH	1	HOSE ASSEMBLY - 4078-10-10OS-10OS ( <i>Main Boom tube line to Stick Boom Clamp Rod</i> )	
5	-FH	1	HOSE ASSEMBLY - 4079-10-10OS-10OS ( <i>Main Boom tube line to Stick Boom Clamp Base</i> )	

 See referenced page for component or assembly breakdown.

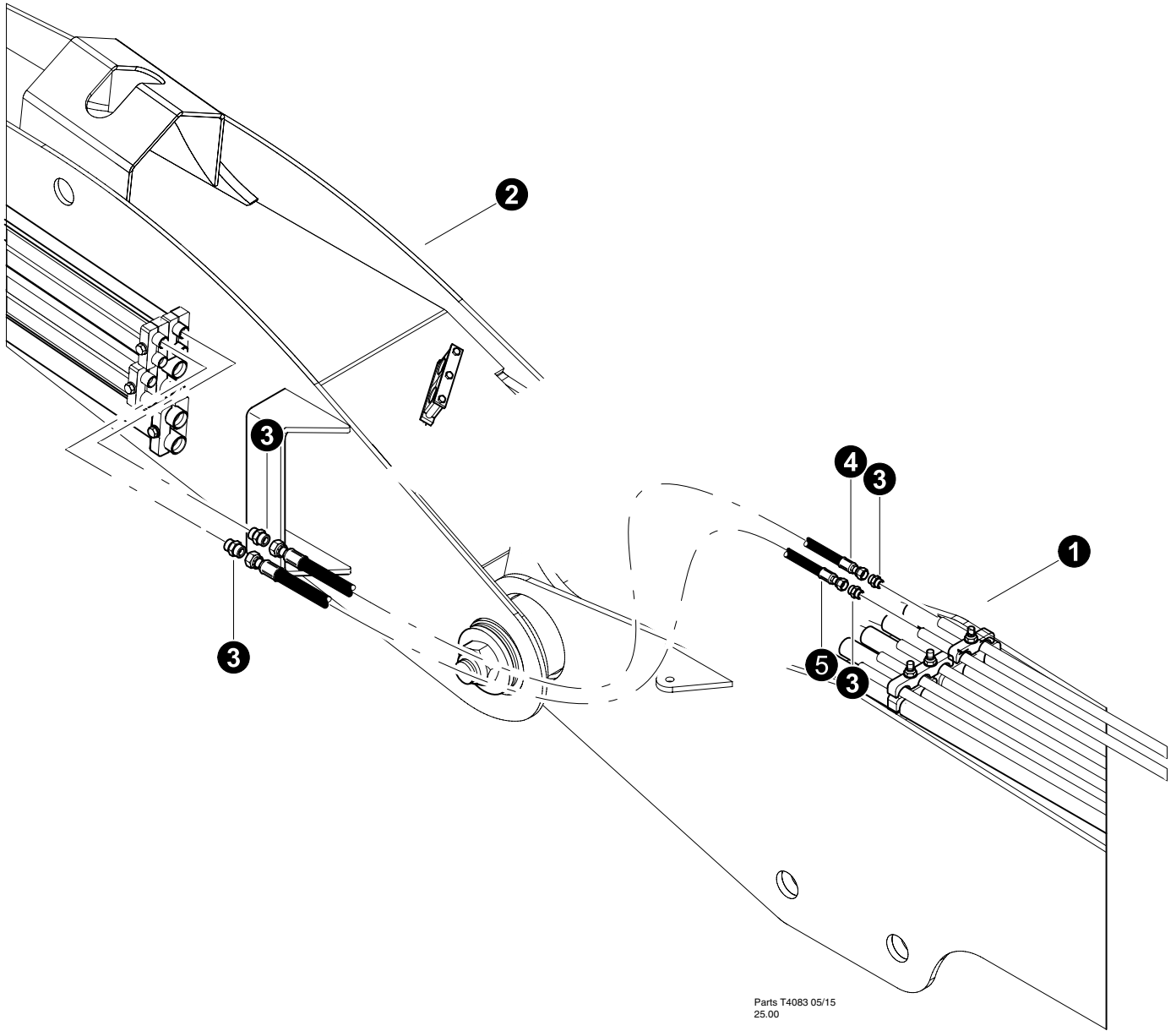


Parts T4077 05/15  
25.00



## FELLER BUNCHER - DISC SAW HYDRAULICS (Lateral Tilt Connection)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 VALVE ASSEMBLY .....	FH-1
2	15117-FH	2	CONNECTOR, STR - FF1852T-0808S	
3	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
4	55376-FH	1	FITTING, STRAIGHT - 8-10 F5OX-S	
5	-FH	1	HOSE ASSEMBLY - 4060-08-08OS-08J9 ( <i>Lat Tilt A to Main Boom</i> )	
6	55513-FH	1	FITTING, STRAIGHT CONNECTOR - #08 LONG	
7	-FH	1	HOSE ASSEMBLY - 4061-08-08OS-08J9 ( <i>Lat Tilt B to Main Boom</i> )	
8	19290-FH	1	BUSHING, REDUCER - 6410-10-8	

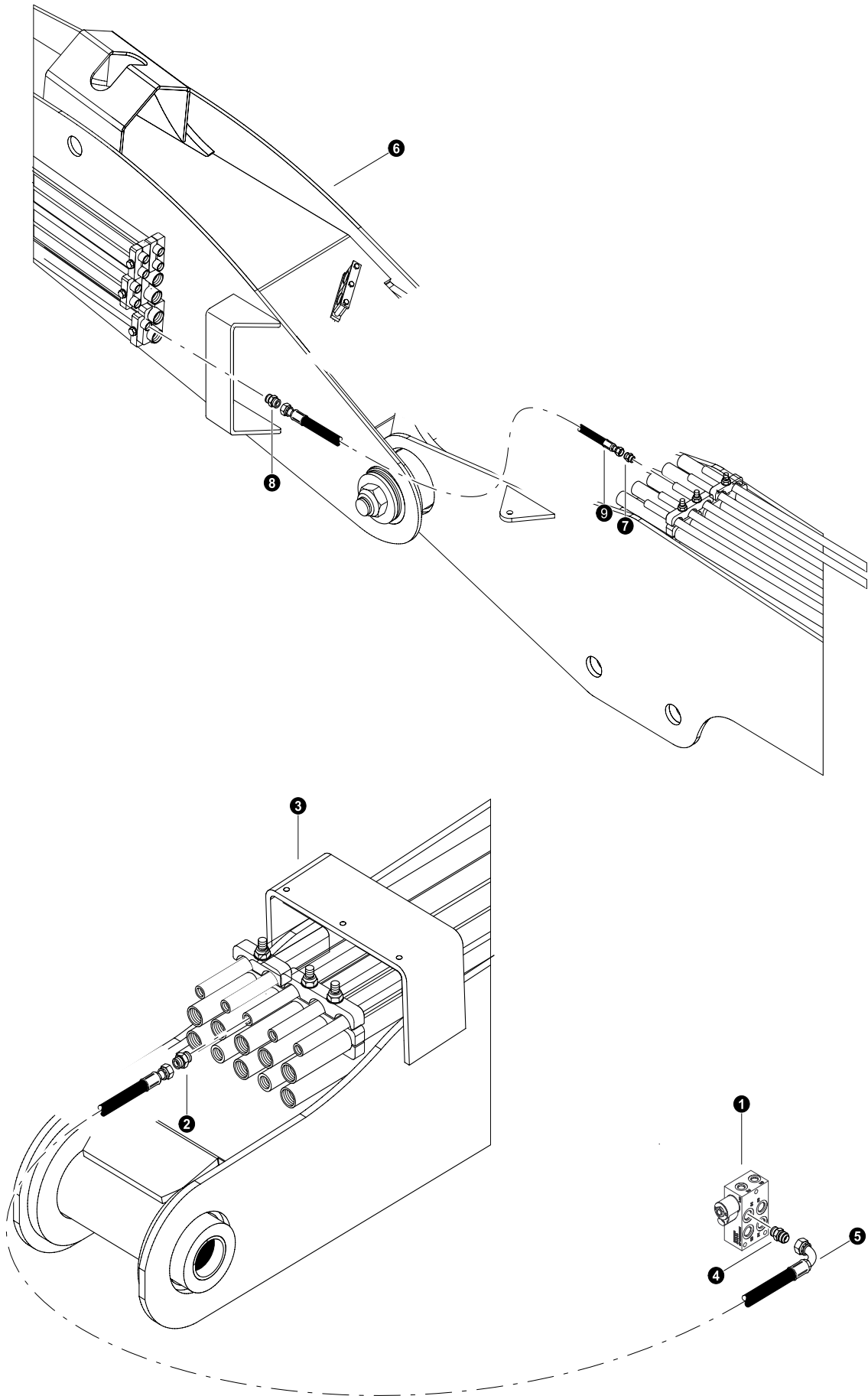
 See referenced page for component or assembly breakdown.



**FELLER BUNCHER - DISC SAW HYDRAULICS**  
**(Lateral Tilt Connection)**  
**(Standard Stick Boom)**




REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	REF.	1	 STICK BOOM ASSEMBLY .....	FB-2
3	15117-FH	1	CONNECTOR, STR - FF1852T-0808S	
4	-FH	1	HOSE ASSEMBLY - 4082.5-08-08OS-08OS ( <i>Main Boom tube line to Stick Boom Lateral Tilt</i> )	
5	-FH	1	HOSE ASSEMBLY - 4080.5-08-08OS-08OS ( <i>Main Boom tube line to Stick Boom Lateral Tilt</i> )	

 See referenced page for component or assembly breakdown.

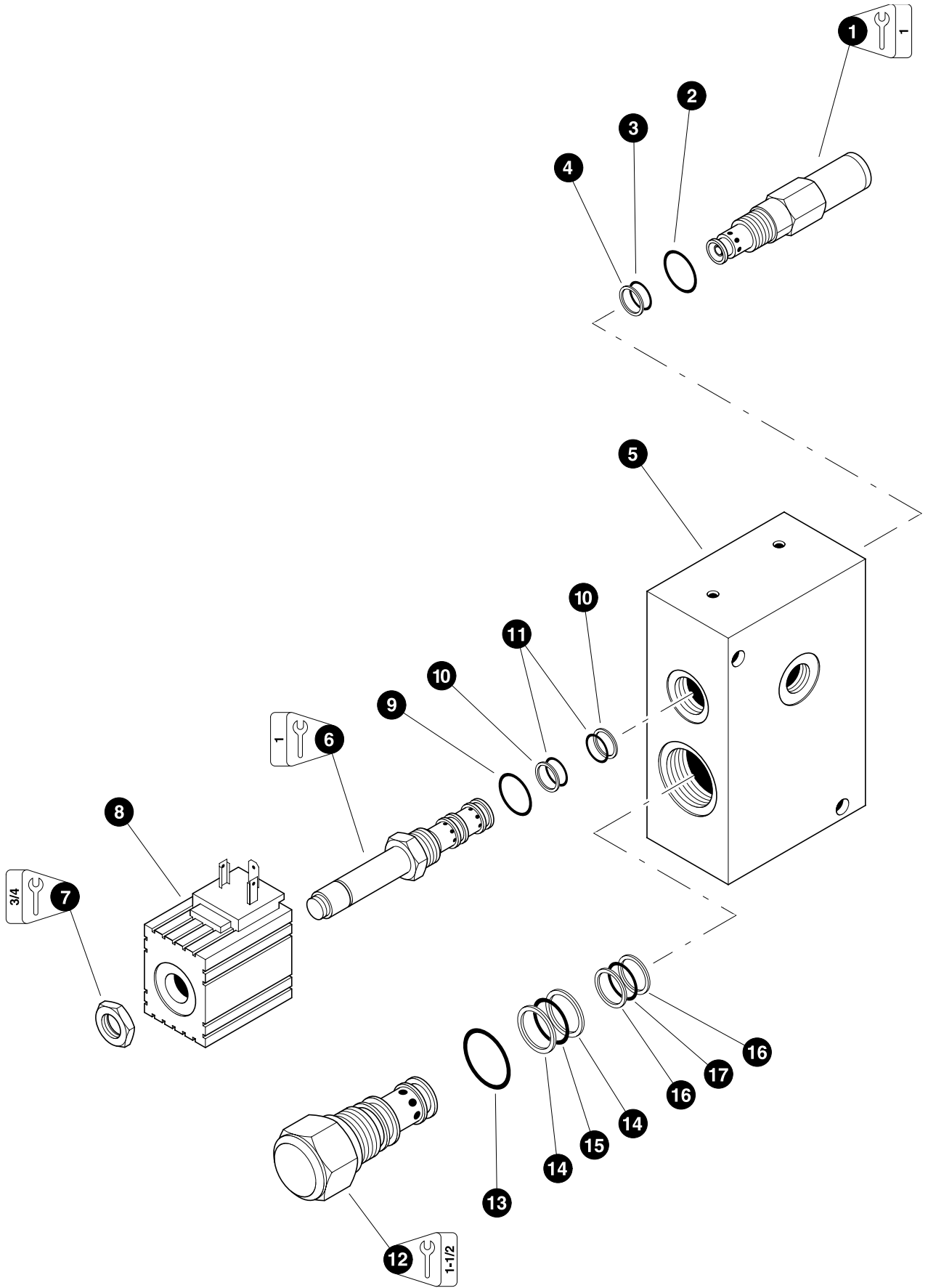


Parts T4079 05/15  
25.00

**FELLER BUNCHER - DISC SAW HYDRAULICS**  
**(Case Drain Connection)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MANIFOLD, CASE DRAIN/SWING LOCK .....	FH-3
2	15117-FH	1		CONNECTOR, STR - FF1852T-0808S	
3	REF.	1		MAIN BOOM ASSEMBLY .....	FB-1
4	15489-FH	1		CONNECTOR, STR - 6400-8-8	
5	-FH	1		HOSE ASSEMBLY - 2057-08-080S-08J9 ( <i>Main Boom tube line to Case Drain Manifold</i> )	
6	REF.	1		STICK BOOM ASSEMBLY .....	FB-2
7	15117-FH	1		CONNECTOR, STR - FF1852T-0808S	
8	15117-FH	1		CONNECTOR, STR - FF1852T-0808S	
9	-FH	1		HOSE ASSEMBLY - 4079.5-08-080S-08OS ( <i>Main Boom tube line to Stick Boom</i> )	

 See referenced page for component or assembly breakdown.



## FELLER BUNCHER - DISC SAW HYDRAULICS (Saw Stop Valve)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	23782-FH	1	☐ VALVE, SAW STOP - 24 Volt	
1	-FH	1	☐ CARTRIDGE, relief valve (RV08-20A-0-N-5 Hydraforce)	
2	NSS	1	⌘ O-RING, body	
3	NSS	1	⌘ O-RING, chamber	
4	NSS	1	⌘ RING, back-up - chamber	
5	NSS	1	HOUSING, valve body (204010901-40 M&W)	
6	-FH	1	☐ CARTRIDGE, saw stop solenoid (SV08-31M-0-N-24DG Hydraforce)	
7	NSS	1	NUT	
8	-FH	1	COIL, solenoid - 24 Volt (6306024 Hydraforce)	
9	NSS	1	◆ O-RING, body	
10	NSS	2	◆ RING, back-up - chamber	
11	NSS	2	◆ O-RING, chamber	
12	-FH	1	☐ CARTRIDGE, logic valve (EV16-S34-0-N-40 Hydraforce)	
13	NSS	1	■ O-RING, body	
14	NSS	2	■ RING, back-up - chamber ( <i>Large</i> )	
15	NSS	1	■ O-RING, chamber ( <i>Large</i> )	
16	NSS	2	■ RING, back-up - chamber ( <i>Small</i> )	
17	NSS	1	■ O-RING, chamber ( <i>Small</i> )	
-	-FH	1	☐ KIT, seal repair - complete saw stop valve	
-	-FH	1	○ KIT, seal repair - saw stop solenoid cartridge (SK08-3X-MM)	
-	-FH	1	○ KIT, seal repair - logic valve (SK16-3X-MM)	
-	-FH	1	○ KIT, seal repair - relief valve cartridge (SK08-2X-B)	

- ☐ Kit or Assembly - includes all items indented underneath.
- ⌘ Included in seal repair kit Part # -FH.(SK08-2X-B)
- ◆ Included in seal repair kit Part # -FH.(SK08-3X-MM)
- Included in seal repair kit Part # -FH.(SK16-3X-MM)

 See referenced page for component or assembly breakdown.

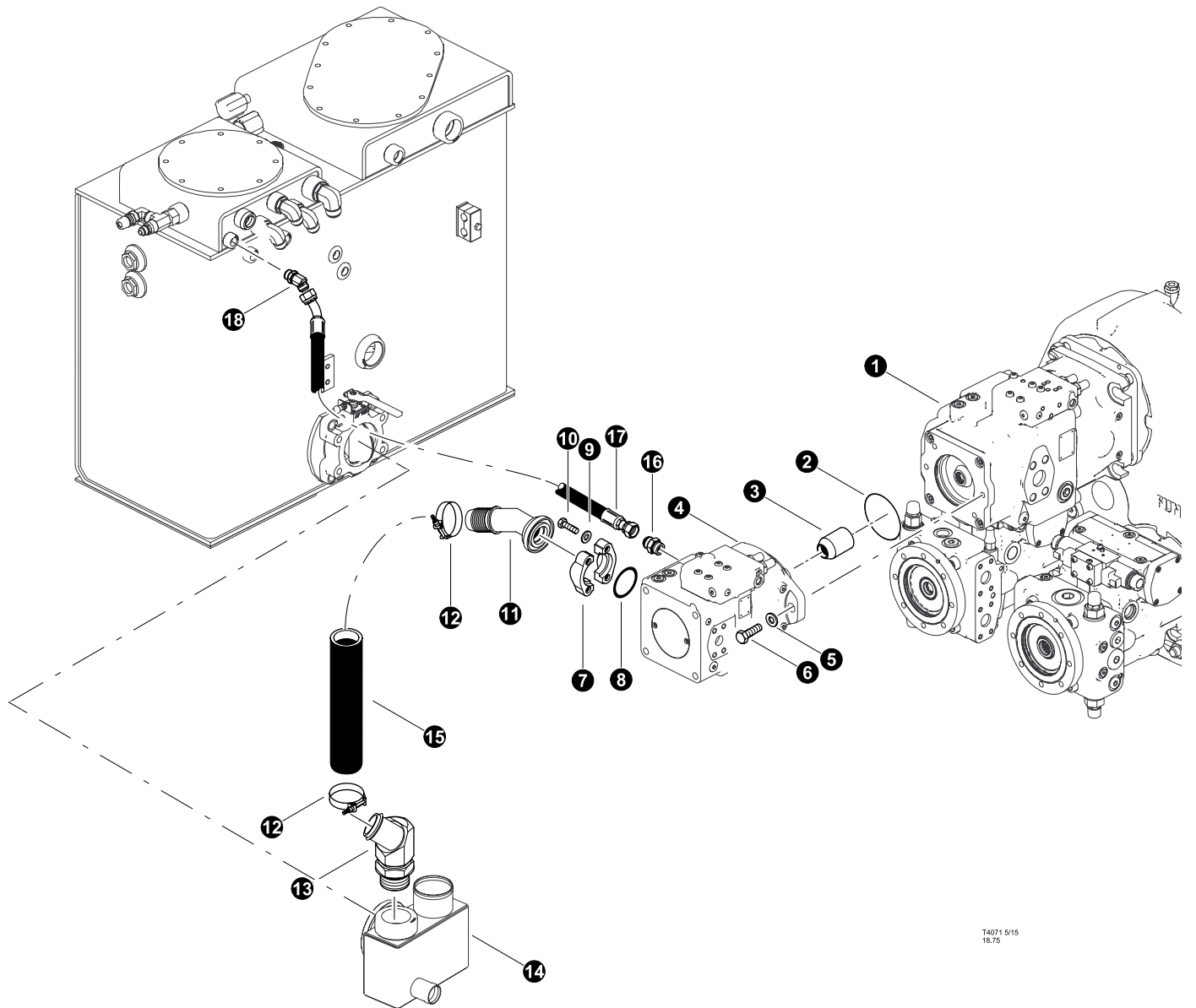


# ***Section FH-6***

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***Feller Buncher Hydraulics -***

***Disc Saw  
(Power Stick Boom)***



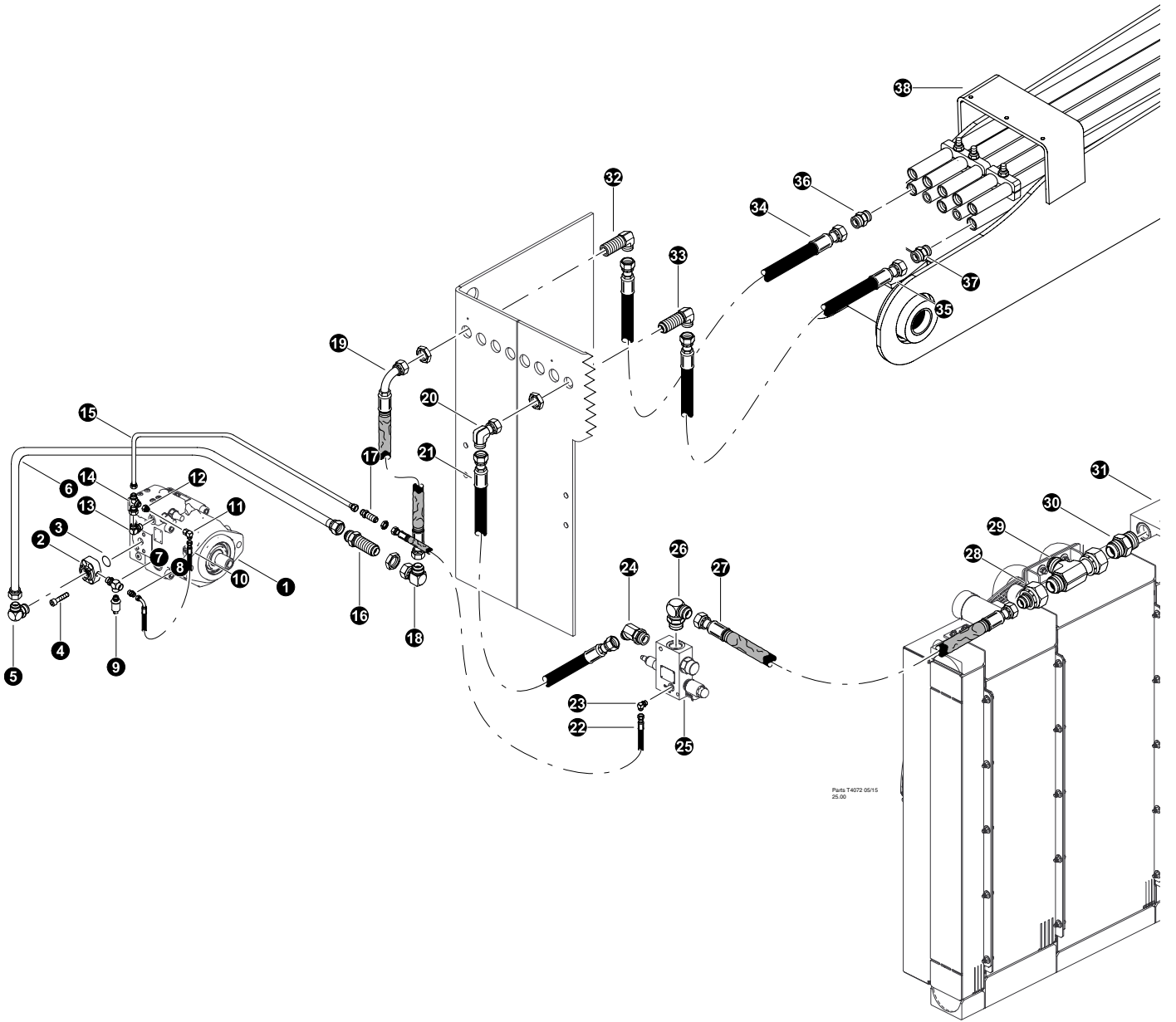
T4071 5/15  
18.75

**FELLER BUNCHER - DISC SAW HYDRAULICS****(Disc Saw Pump Installation)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1		IMPLEMENT PUMP.....	FH-1
2	1-248-90-FH	1		O-RING, Pilot "R909154589"	
3	R902076964-FH	1		COUPLING, SHAFT DISC PUMP	
4	REF.	1		PUMP, DISC SAW.....	FH-1
5	18735-FH	2		WASHER, flat - 12mm	
6	25028-FH	2		BOLT - 12mm x 35mm	
7	21226-FH	1		KIT, SPLIT FLANGE - 1.5" (CODE 61)	
8	15389-FH	1		O-RING - 1-1/2" SF	
9	-FH	4		LOCK WASHER	
10	-FH	4		BOLT - 1/2 x 1 1/2	
11	55399-FH	1		KING NIPPLE, 45	
12	18104-FH	2		CLAMP, CONSTANT TORQUE - #36	
13	27545-FH	1		KING NIPPLE, 45	
14	46200-FH	1		WELDMENT, SUCTION TUBE, C-MODEL	
15	-FH	AR		HOSE ASSEMBLY - 1014.5 - 32 (1 1/2" SUCTION)	
16	55376-FH	1		FITTING, STRAIGHT - 8-10 F5OX-S	
17	-FH	1		HOSE ASSEMBLY - 2021-08-08JS-08J4 (Case Drain)	
18	55343-FH	1		FITTING, ELBOW - 45DEG - 8 V5OX-S	




 Kit or Assembly - includes all items indented underneath.

 See referenced page for component or assembly breakdown.

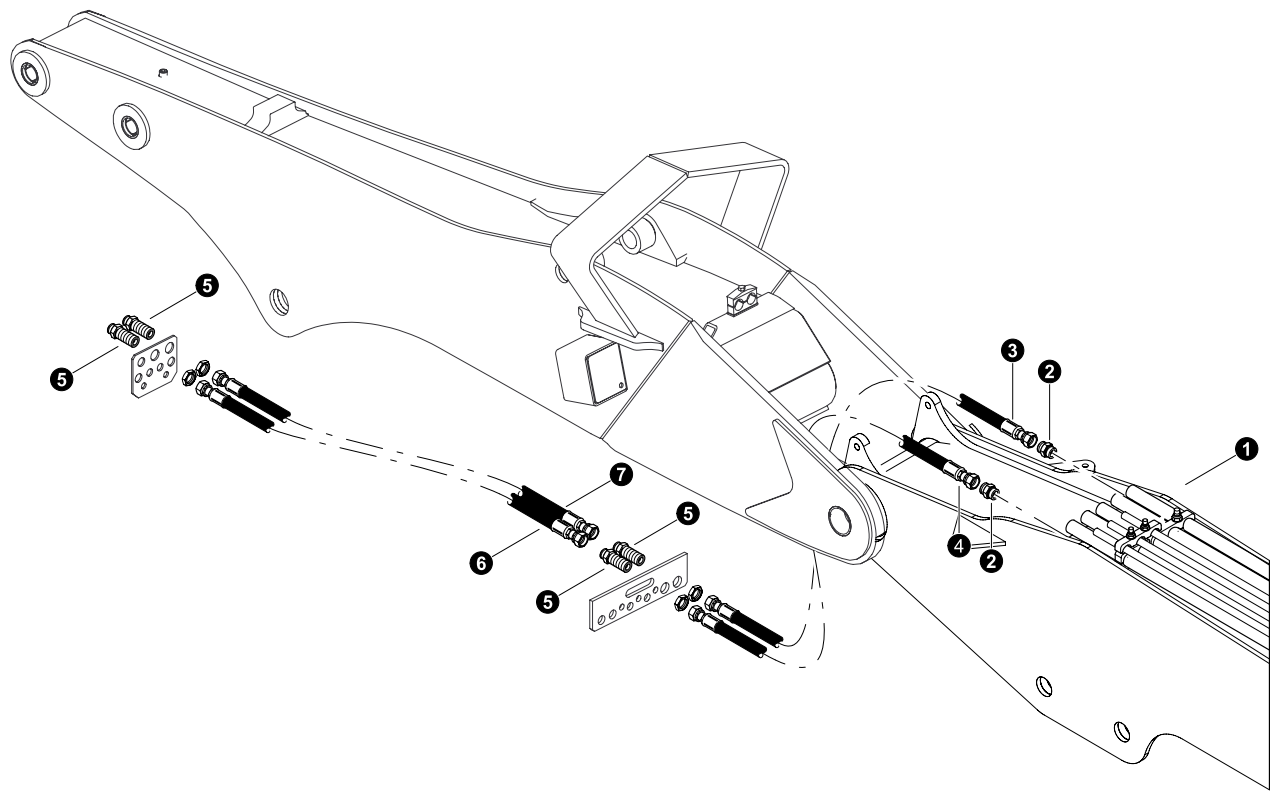


**FELLER BUNCHER - DISC SAW HYDRAULICS**

**(Pressure and Tank Connections)**


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 DISC SAW PUMP .....	FH-1
2	55269-FH	1	FLANGE PAD, HP DISC SAW - 12-12 ORB	
3	-FH	4	ALLEN BOLT	
4	-FH	1	O-RING -.75" SF	
5	53076-FH	1	ELBOW - 16-12 C50X-S	
6	55171-FH	1	TUBELINE, DISC PUMP P TO BALK HEAD - C	
7	52186-FH	1	TEE, RUN - MALE (4 A0G5J5-S)	
8	55214-FH	1	CONNECTOR, STR - 848-TTO-04X04 (W/.031)	
9	24532-FH	1	TRANSDUCER, HYD PRESS - 7500p (current)	
10	-FH	1	HOSE ASSEMBLY - 2017-04-04JS-04O9 ( <i>LS Jumper</i> )	
11	17023-FH	1	ELBOW, 90 SWIVEL - 6500-4	
12	55619-FH	1	REDUCER, TUBE END W/LG NUT - 6-4 TRTXN-S	
13	15480-FH	1	ELBOW, 90 - 6801-6	
14	-FH	1	TEE - 04 Jic	
15	55242-FH	1	TUBELINE, DISC SAW-BH PANEL TRACK	
16	15351-FH	1	CONNECTOR, STR BULKHEAD - 2041-16-16S	
17	55347-FH	1	FITTING, ELBOW - BULKHEAD 6 WETX-WLN-S	
18	52968-FH	1	ELBOW, 90 - 16 C6XO JIC/ORB	
19	-FH	1	HOSE ASSEMBLY - 5014.5CS -16-16JS-16O9 ( <i>Pump Pressure</i> )	
20	52968-FH	1	ELBOW, 90 - 16 C6XO JIC/ORB	
21	-FH	1	HOSE ASSEMBLY - 2024 -16-16JS-16JS ( <i>Return to Saw Stop</i> )	
22	-FH	1	HOSE ASSEMBLY - 2044 -04-04JS-04JS ( <i>Saw Stop Loadsense</i> )	
23	51889-FH	1	ELBOW, 90 - (4C50X-S)	
24	15473-FH	1	ELBOW, 45 - 6802-16	
25	REF.	1	 SAW STOP VAVLE .....	FH-
26	15484-FH	1	ELBOW, 90 - 16 C5OX-S	
27	-FH	1	HOSE ASSEMBLY - 2030-16-16JS-16JS ( <i>Saw Stop to Cooler</i> )	
28	53182-FH	1	FITTING, REDUCER TUBE END - 24-16	
29	53183-FH	1	FITTING, SWIVEL NUT RUN TEE #24	
30	22319-FH	1	CONNECTOR, STR - 24 JIC	
31	REF	1	OIL COOLER BREAKDOWN .....	UP-3
32	53680-FH	2	FITTING, BULKHEAD UNION ELBOW 16 WELO-WN	
33	54687-FH	1	ELBOW, BULK UNION WETX-WLN-S (16X16JIC)	
34	-FH	1	HOSE ASSEMBLY - 5039CS-16-160S-160S-AG ( <i>Main Boom tube line to Disc Pump Pressure</i> )	
35	-FH	1	HOSE ASSEMBLY - 4039-16-16JS-160S-AG ( <i>Main Boom tube line to Return</i> )	
36	15225-FH	1	CONNECTOR, straight - FF1852T-1616S	
37	15225-FH	1	CONNECTOR, straight - FF1852T-1616S	
38	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1


 See referenced page for component or assembly breakdown.

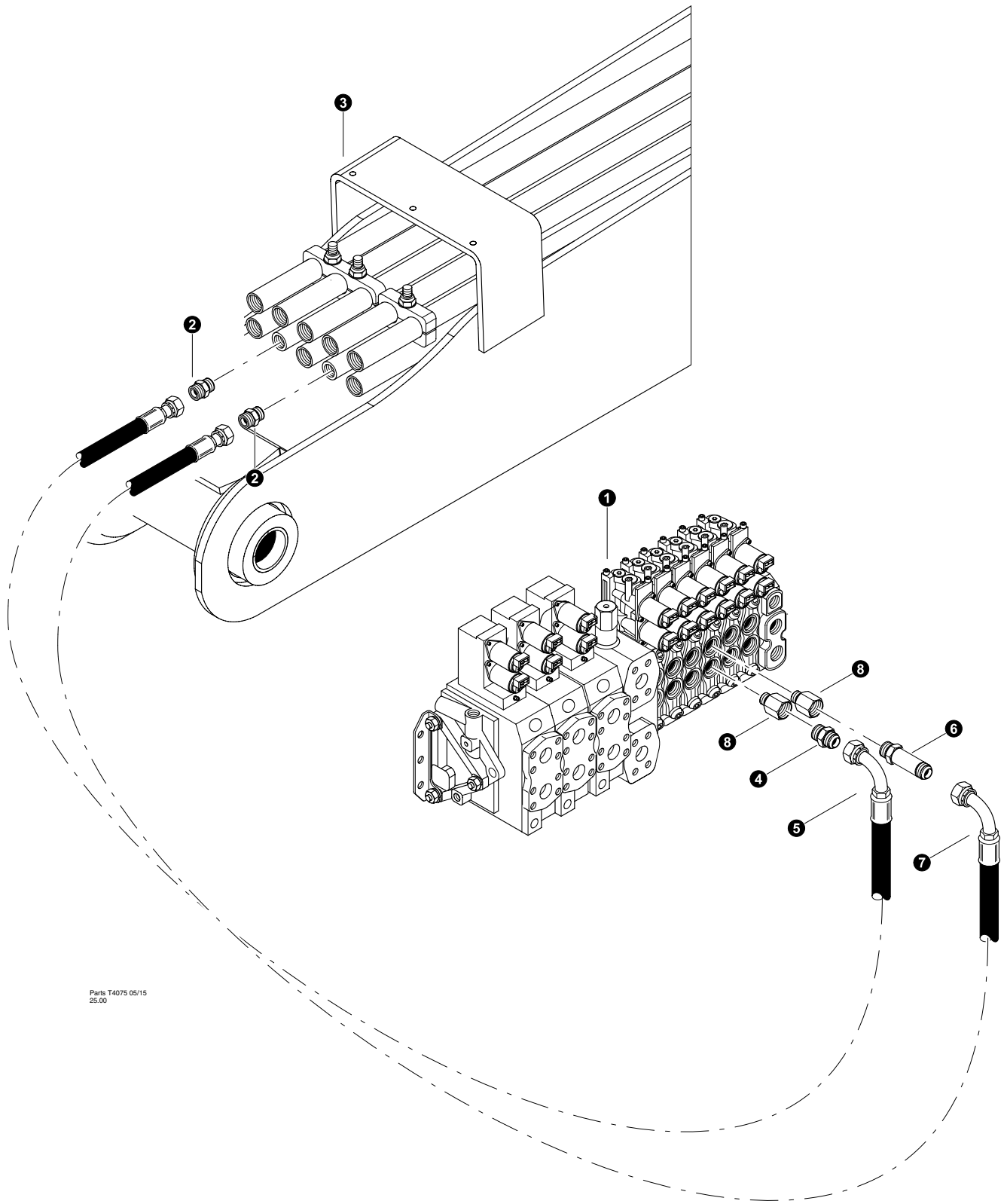


Parts T4074 05/15  
25/00

**FELLER BUNCHER - DISC SAW HYDRAULICS**  
**Main Boom to Stick Boom Pressure and Tank**  
**(Power Stick Boom)**



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	15225-FH	4	CONNECTOR, straight - FF1852T-1616S	
3	-FH	1	HOSE ASSEMBLY - 4068-16-160S-16OS ( <i>Main Boom tube line to Stick Boom Return</i> )	
4	-FH	1	HOSE ASSEMBLY - 5063CS-16-160S-16OS ( <i>Main Boom tube line to Stick Boom Pressure</i> )	
5	20033-FH	4	CONNECTOR, STR BULKHEAD - 832-TT-16	
6	-FH	1	HOSE ASSEMBLY - 4085-16-160S-16OS	
7	-FH	1	HOSE ASSEMBLY - 5085CS-16-160S-16OS	

 See referenced page for component or assembly breakdown.

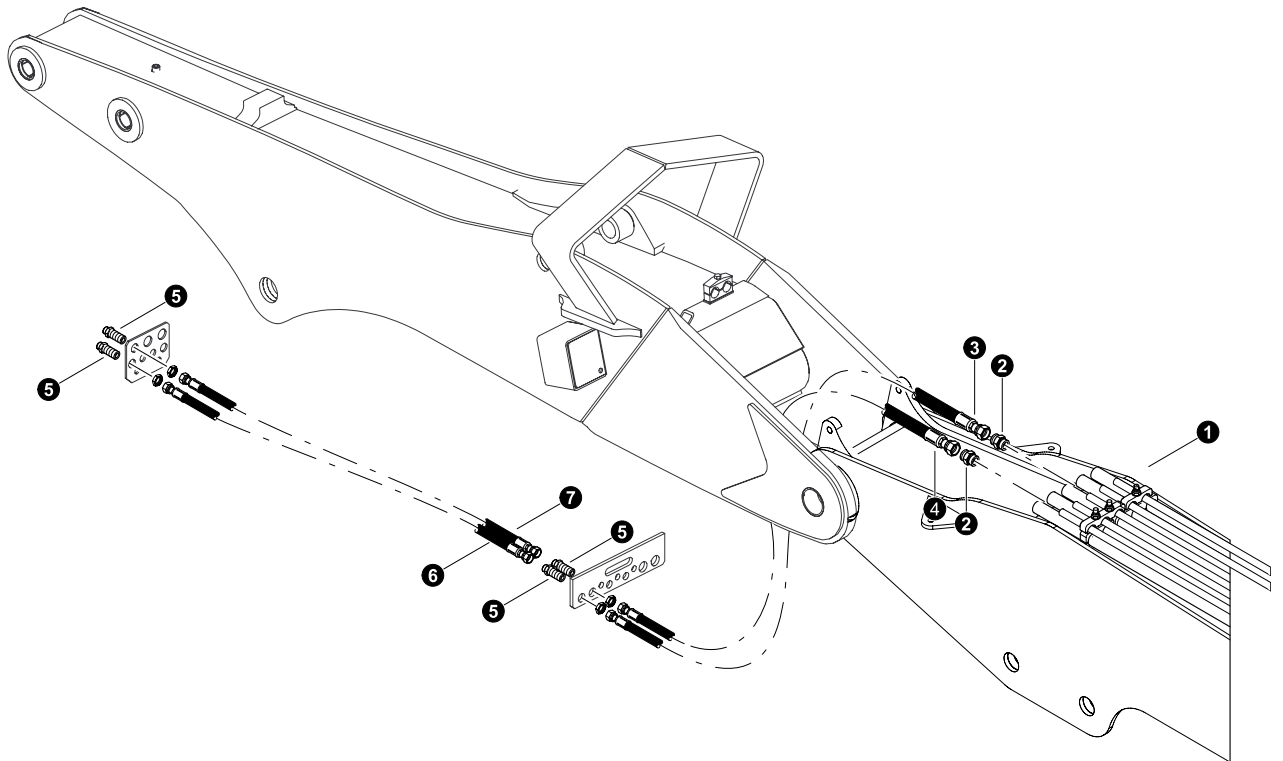


Parts T4075 05/15  
25.00

## FELLER BUNCHER - DISC SAW HYDRAULICS (Clamp Cylinder Connection)


REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		VALVE ASSEMBLY .....	FH-1
2	15152-FH	2		CONNECTOR, STR - FF1852T-1212S	
3	REF.	1		MAIN BOOM ASSEMBLY .....	FB-1
4	11324-FH	1		CONNECTOR, STR - 6400-12	
5	-FH	1		HOSE ASSEMBLY - 4062-12-12OS-12J9 ( <i>Clamp A to Main Boom</i> )	
6	55356-FH	1		FITTING, 12 FF5OX-S	
7	-FH	1		HOSE ASSEMBLY - 4064-12-12OS-12J9 ( <i>Clamp B to Main Boom</i> )	

 See referenced page for component or assembly breakdown.

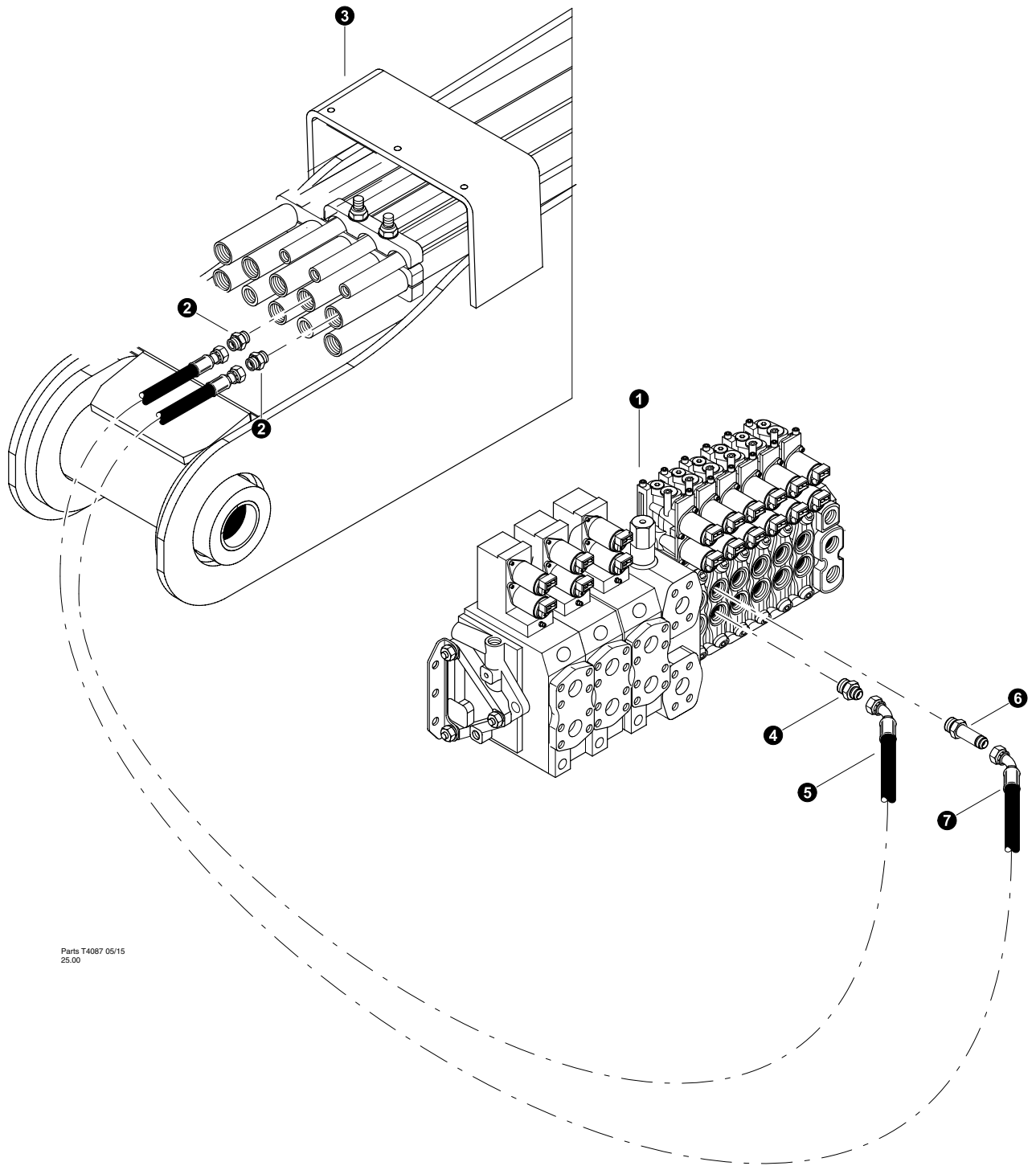


Parts T4081 06/15  
25.00

**FELLER BUNCHER - DISC SAW HYDRAULICS**  
**(Clamp Cylinder Connection)**  
**(Power Stick Boom)**



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	15152-FH	2	CONNECTOR, STR - FF1852T-1212S	
3	-FH	1	HOSE ASSEMBLY - 4063-12-12OS-12OS ( <i>Main Boom tube line to Stick Boom Clamp Rod</i> )	
4	-FH	1	HOSE ASSEMBLY - 4065-12-12OS-12OS ( <i>Main Boom tube line to Stick Boom Clamp Base</i> )	
5	19754-FH	4	CONNECTOR, STR BULKHEAD - 12 WLO-WLNL-S	
6	-FH	1	HOSE ASSEMBLY - 4085-12-12OS-12OS	
7	-FH	1	HOSE ASSEMBLY - 4085-12-12OS-12OS	


 See referenced page for component or assembly breakdown.

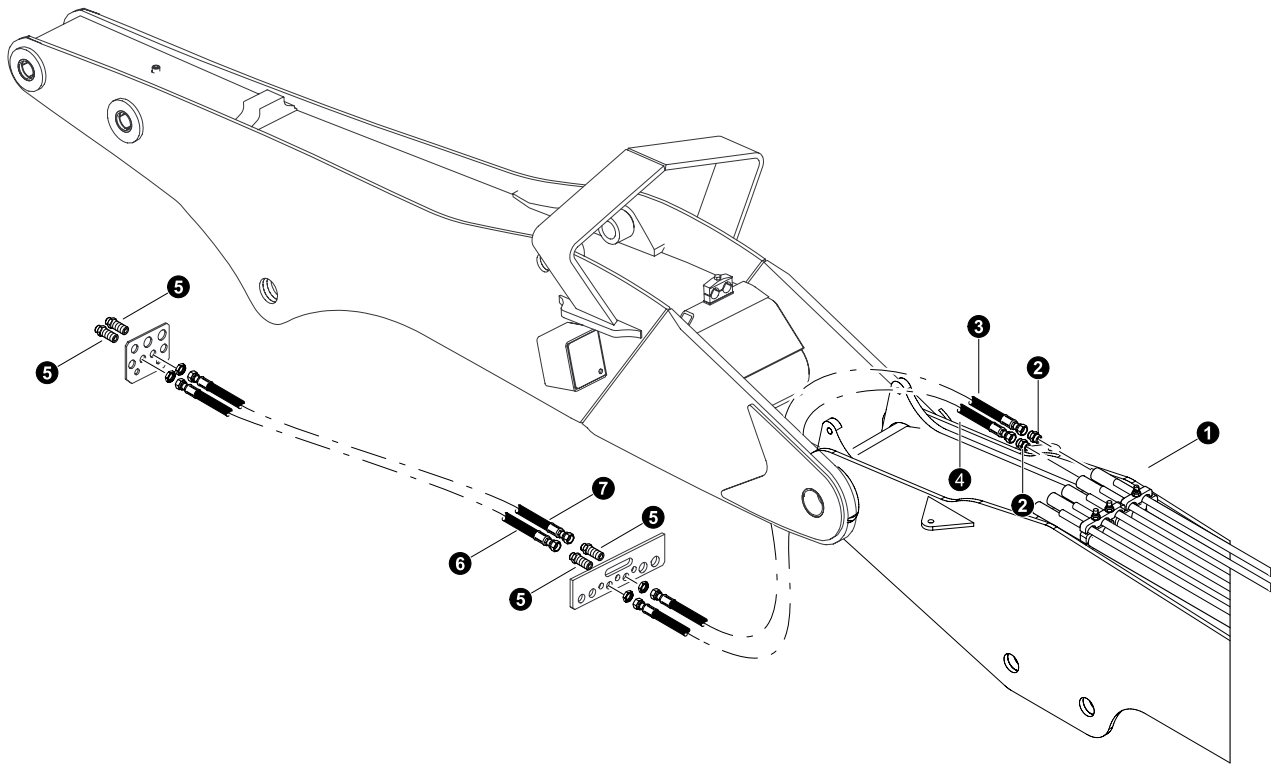


Parts T4087 05/15  
25.00

**FELLER BUNCHER - DISC SAW HYDRAULICS**  
**(Accumulator Cylinder Connection)**


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 VALVE ASSEMBLY .....	FH-1
2	52866-FH	2	CONNECTOR, STR - 10-16 F50LO-S	
3	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
4	15240-FH	1	CONNECTOR, STR - 6400-10	
5	-FH	1	HOSE ASSEMBLY - 4063-10-10OS-10J9 ( <i>Acc A to Main Boom</i> )	
6	55512-FH	1	FITTING, STRAIGHT CONNECTOR - #10 LONG	
7	-FH	1	HOSE ASSEMBLY - 4064-10-10OS-10J9 ( <i>Acc B to Main Boom</i> )	

 See referenced page for component or assembly breakdown.

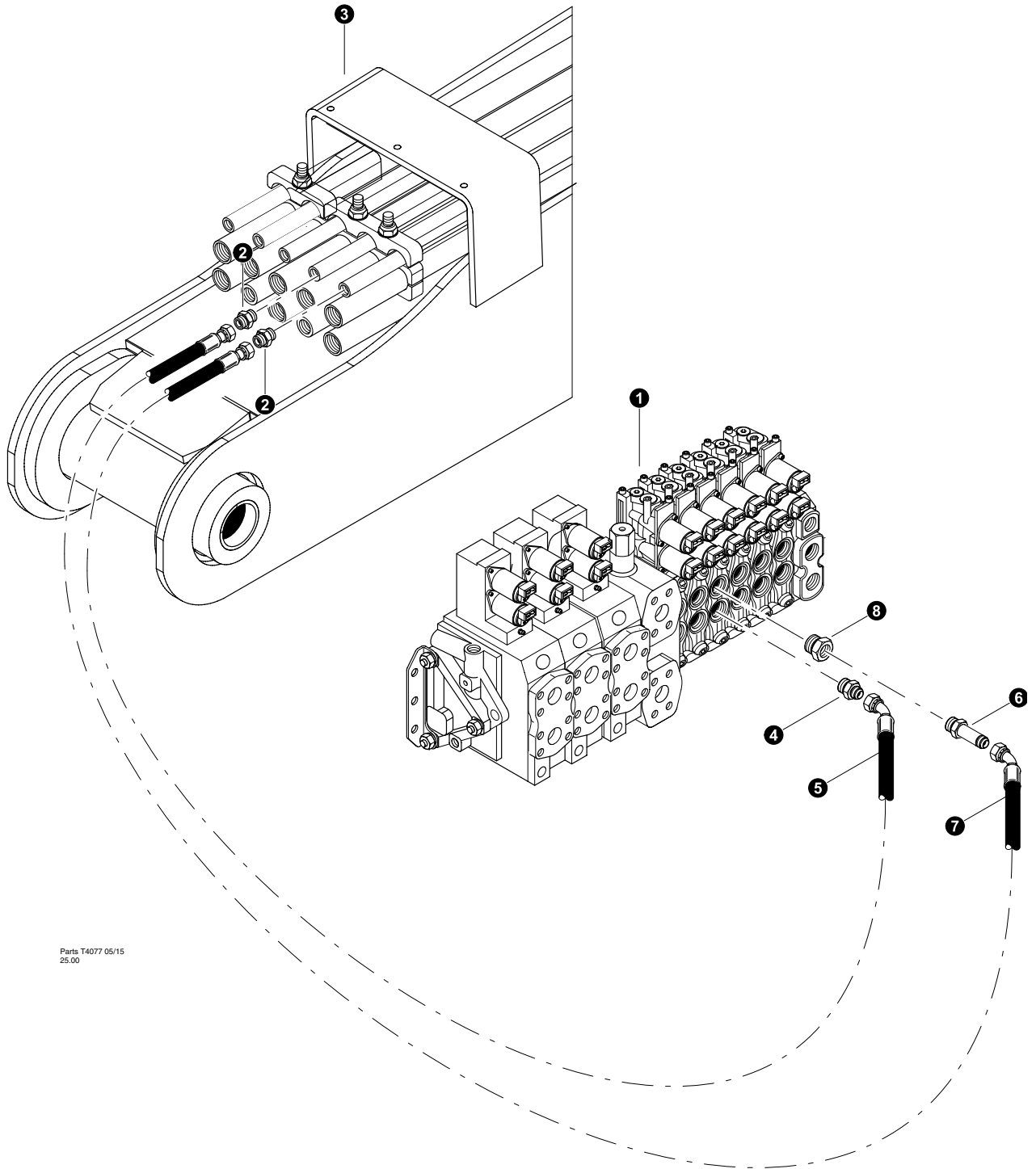


Parts T4088 06/15  
25.00

**FELLER BUNCHER - DISC SAW HYDRAULICS**  
**(Accumulator Cylinder Connection)**  
**(Power Stick Boom)**



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	52866-FH	2	CONNECTOR, STR - 10-16 F50LO-S	
3	-FH	1	HOSE ASSEMBLY - 4062-10-10OS-10OS ( <i>Main Boom tube line to Stick Boom Clamp Rod</i> )	
4	-FH	1	HOSE ASSEMBLY - 4062-10-10OS-10OS ( <i>Main Boom tube line to Stick Boom Clamp Base</i> )	
5	50037-FH	4	CONNECTOR, STR BULKHEAD - 832-TT-10	
6	-FH	1	HOSE ASSEMBLY - 4085-10-10OS-10OS	
7	-FH	1	HOSE ASSEMBLY - 4085-10-10OS-10OS	


 See referenced page for component or assembly breakdown.

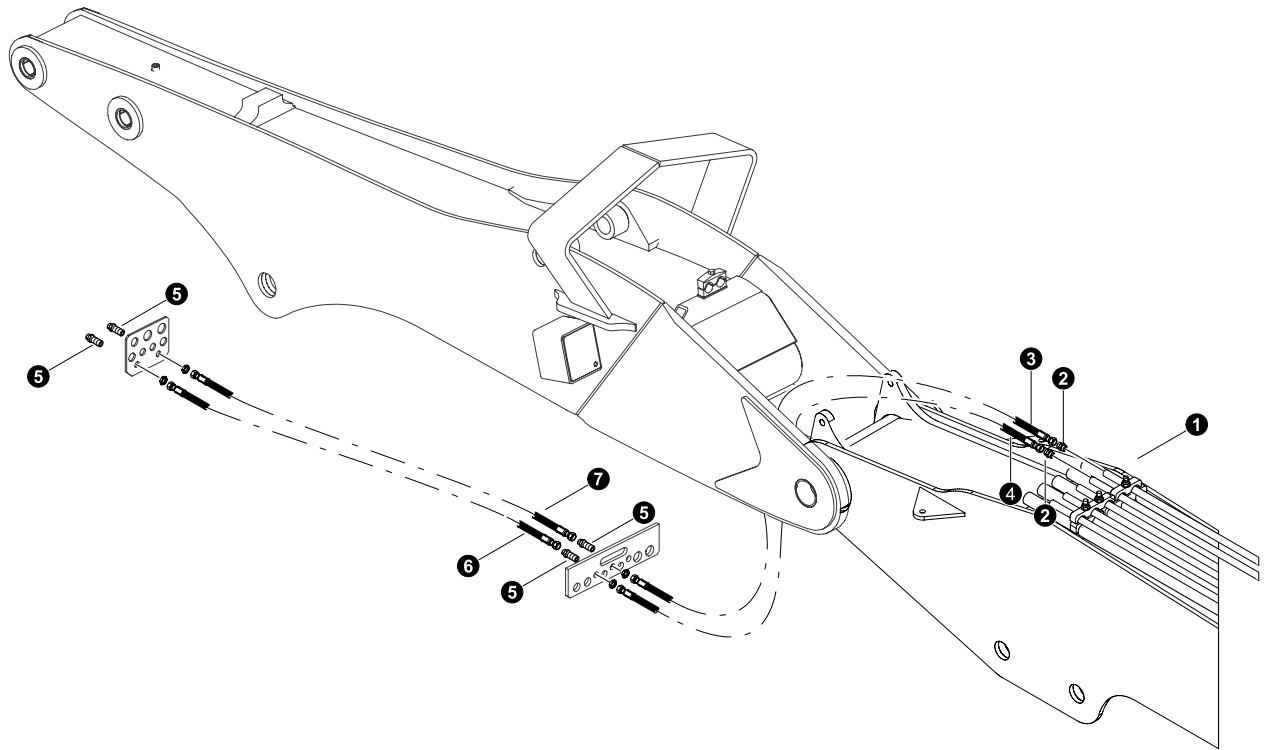


Parts T4077 05/15  
25.00

## FELLER BUNCHER - DISC SAW HYDRAULICS (Lateral Tilt Connection)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 VALVE ASSEMBLY .....	FH-1
2	15117-FH	2	CONNECTOR, STR - FF1852T-0808S	
3	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
4	55376-FH	1	FITTING, STRAIGHT - 8-10 F5OX-S	
5	-FH	1	HOSE ASSEMBLY - 4060-08-08OS-08J9 ( <i>Lat Tilt A to Main Boom</i> )	
6	55513-FH	1	FITTING, STRAIGHT CONNECTOR - #08 LONG	
7	-FH	1	HOSE ASSEMBLY - 4061-08-08OS-08J9 ( <i>Lat Tilt B to Main Boom</i> )	
8	19290-FH	1	BUSHING, REDUCER - 6410-10-8	

 See referenced page for component or assembly breakdown.

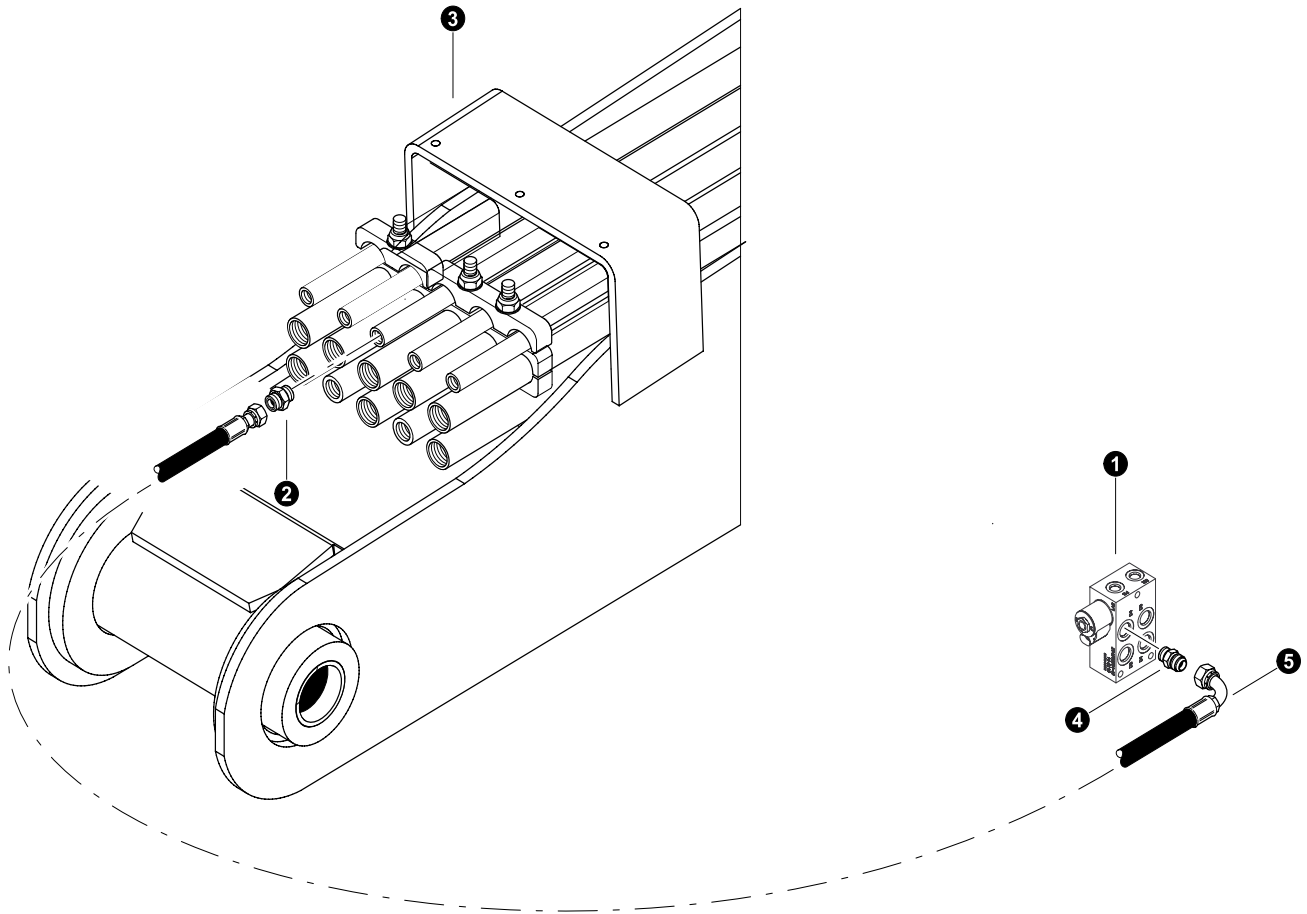
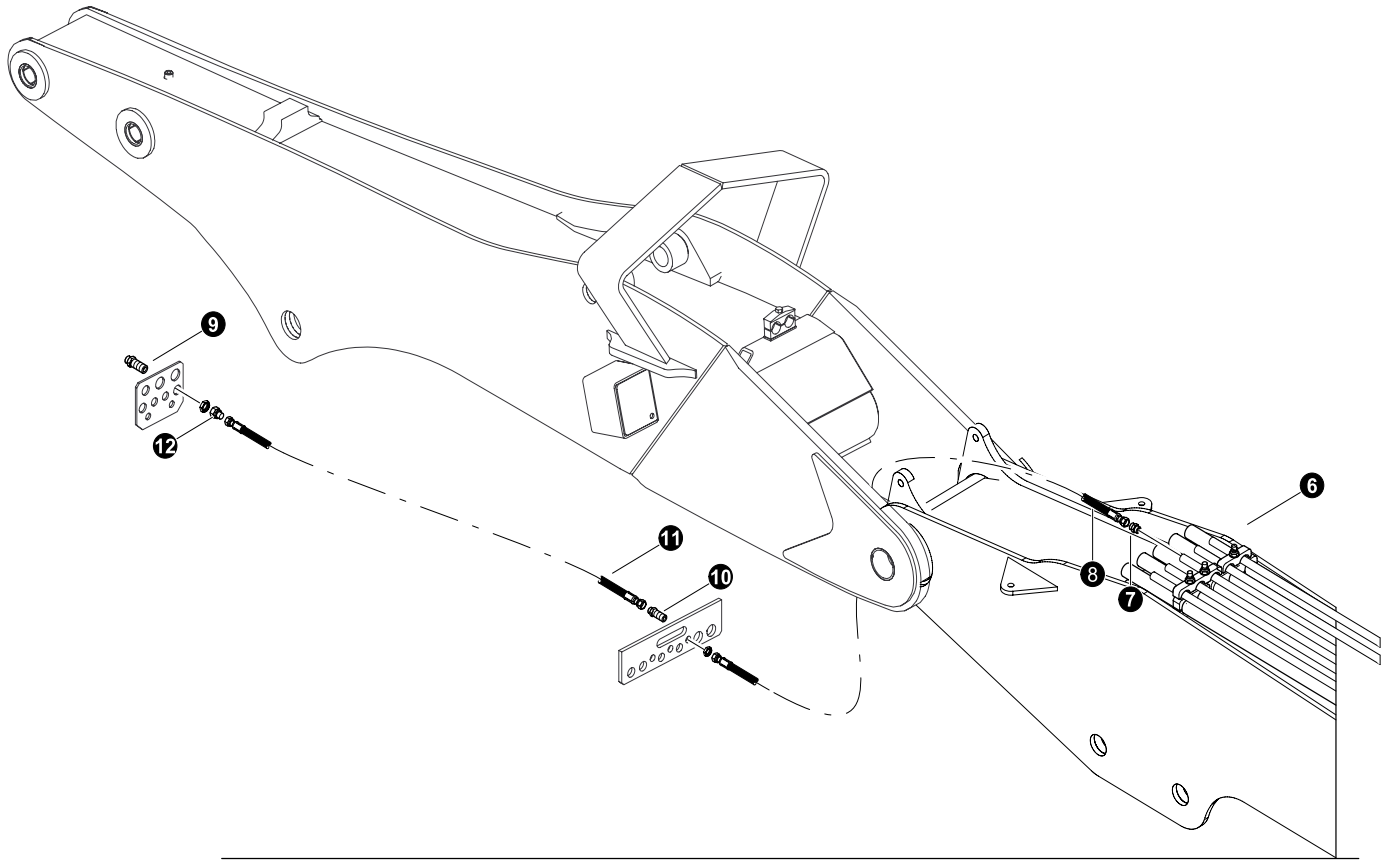


Parts T4888 06/15  
25.00




**FELLER BUNCHER - DISC SAW HYDRAULICS**  
**(Lateral Tilt Connection)**  
**(Power Stick Boom)**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	15117-FH	2	CONNECTOR, STR - FF1852T-0808S	
3	-FH	1	HOSE ASSEMBLY - 4068-08-08OS-08OS ( <i>Main Boom tube line to Stick Boom Lateral Tilt</i> )	
4	-FH	1	HOSE ASSEMBLY - 4068-08-08OS-08OS ( <i>Main Boom tube line to Stick Boom Lateral Tilt</i> )	
5	20196-FH	4	CONNECTOR, STR BULKHEAD - FF1994T-0808S	
6	-FH	1	HOSE ASSEMBLY - 4086-08-08OS-08OS ( <i>Main Boom tube line to Stick Boom Lateral Tilt</i> )	
7	-FH	1	HOSE ASSEMBLY - 4086-08-08OS-08OS ( <i>Main Boom tube line to Stick Boom Lateral Tilt</i> )	

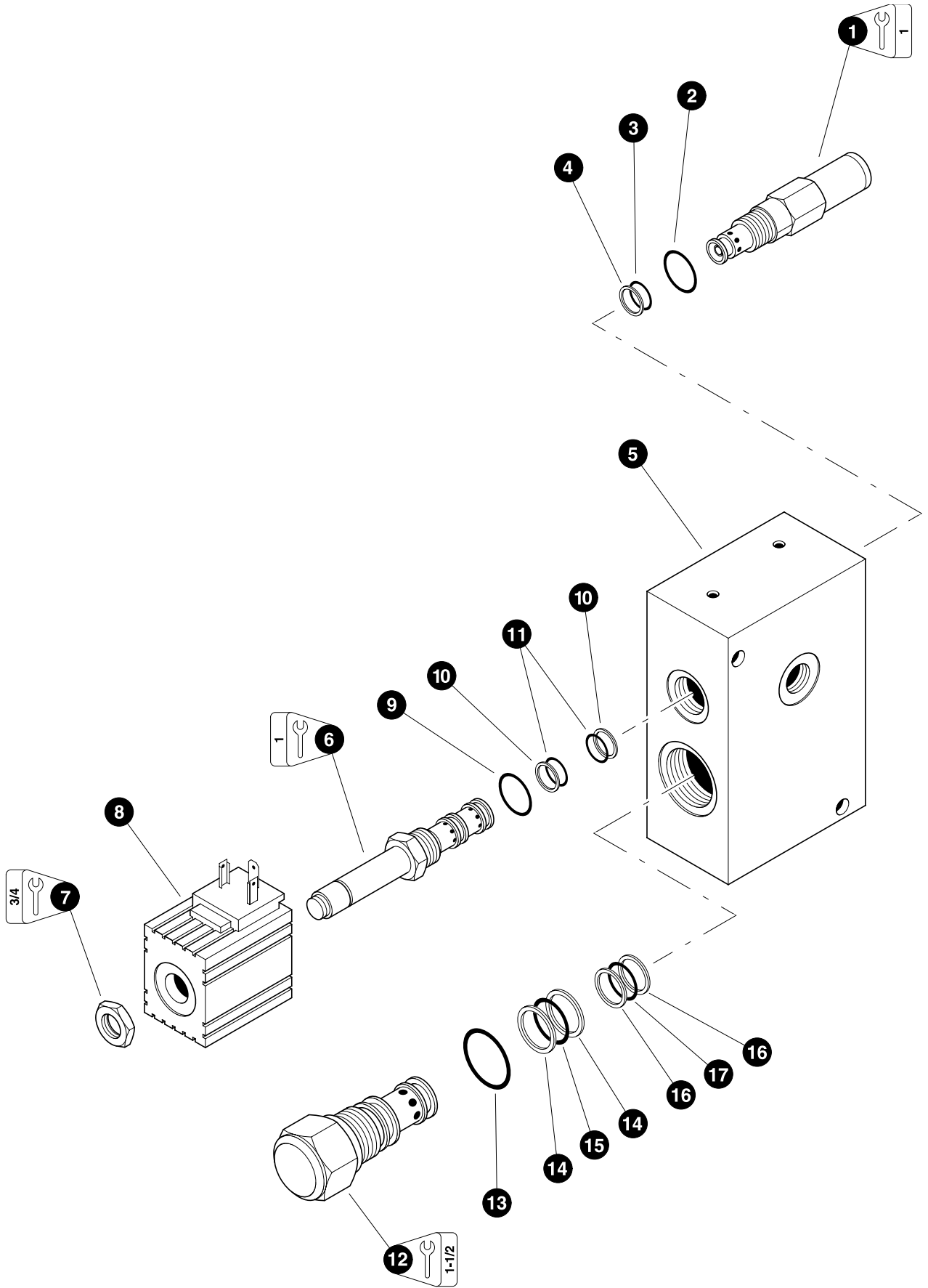
 See referenced page for component or assembly breakdown.



**FELLER BUNCHER - DISC SAW HYDRAULICS**  
**(Case Drain Connection)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MANIFOLD, CASE DRAIN/SWING LOCK .....	FH-3
2	15117-FH	1		CONNECTOR, STR - FF1852T-0808S	
3	REF.	1		MAIN BOOM ASSEMBLY .....	FB-1
4	15489-FH	1		CONNECTOR, STR - 6400-8-8	
5	-FH	1		HOSE ASSEMBLY - 2057-08-080S-08J9 ( <i>Main Boom tube line to Case Drain Manifold</i> )	
6	REF.	1		STICK BOOM ASSEMBLY .....	FB-2
7	15117-FH	1		CONNECTOR, STR - FF1852T-0808S	
8	-FH	1		HOSE ASSEMBLY - 4068-08-080S-08OS ( <i>Main Boom tube line to Stick Boom Bulkhead</i> )	
9	19754-FH	1		CONNECTOR, STR BULKHEAD - 12 WLO-WLNL-S	
10	20196-FH	1		CONNECTOR, STR BULKHEAD - FF1994T-0808S	
11	-FH	1		HOSE ASSEMBLY - 4084-08-080S-08OS	
12	18581-FH	1		CONNECTOR, REDUCER - ORS FF2281T-0812S	

 See referenced page for component or assembly breakdown.



## FELLER BUNCHER - DISC SAW HYDRAULICS (Saw Stop Valve)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	23782-FH	1	☐ VALVE, SAW STOP - 24 Volt	
1	-FH	1	☐ CARTRIDGE, relief valve (RV08-20A-0-N-5 Hydraforce)	
2	NSS	1	⌘ O-RING, body	
3	NSS	1	⌘ O-RING, chamber	
4	NSS	1	⌘ RING, back-up - chamber	
5	NSS	1	HOUSING, valve body (204010901-40 M&W)	
6	-FH	1	☐ CARTRIDGE, saw stop solenoid (SV08-31M-0-N-24DG Hydraforce)	
7	NSS	1	NUT	
8	-FH	1	COIL, solenoid - 24 Volt (6306024 Hydraforce)	
9	NSS	1	◆ O-RING, body	
10	NSS	2	◆ RING, back-up - chamber	
11	NSS	2	◆ O-RING, chamber	
12	-FH	1	☐ CARTRIDGE, logic valve (EV16-S34-0-N-40 Hydraforce)	
13	NSS	1	■ O-RING, body	
14	NSS	2	■ RING, back-up - chamber ( <i>Large</i> )	
15	NSS	1	■ O-RING, chamber ( <i>Large</i> )	
16	NSS	2	■ RING, back-up - chamber ( <i>Small</i> )	
17	NSS	1	■ O-RING, chamber ( <i>Small</i> )	
-	-FH	1	☐ KIT, seal repair - complete saw stop valve	
-	-FH	1	○ KIT, seal repair - saw stop solenoid cartridge (SK08-3X-MM)	
-	-FH	1	○ KIT, seal repair - logic valve (SK16-3X-MM)	
-	-FH	1	○ KIT, seal repair - relief valve cartridge (SK08-2X-B)	

- ☐ Kit or Assembly - includes all items indented underneath.
- ⌘ Included in seal repair kit Part # -FH.(SK08-2X-B)
- ◆ Included in seal repair kit Part # -FH.(SK08-3X-MM)
- Included in seal repair kit Part # -FH.(SK16-3X-MM)

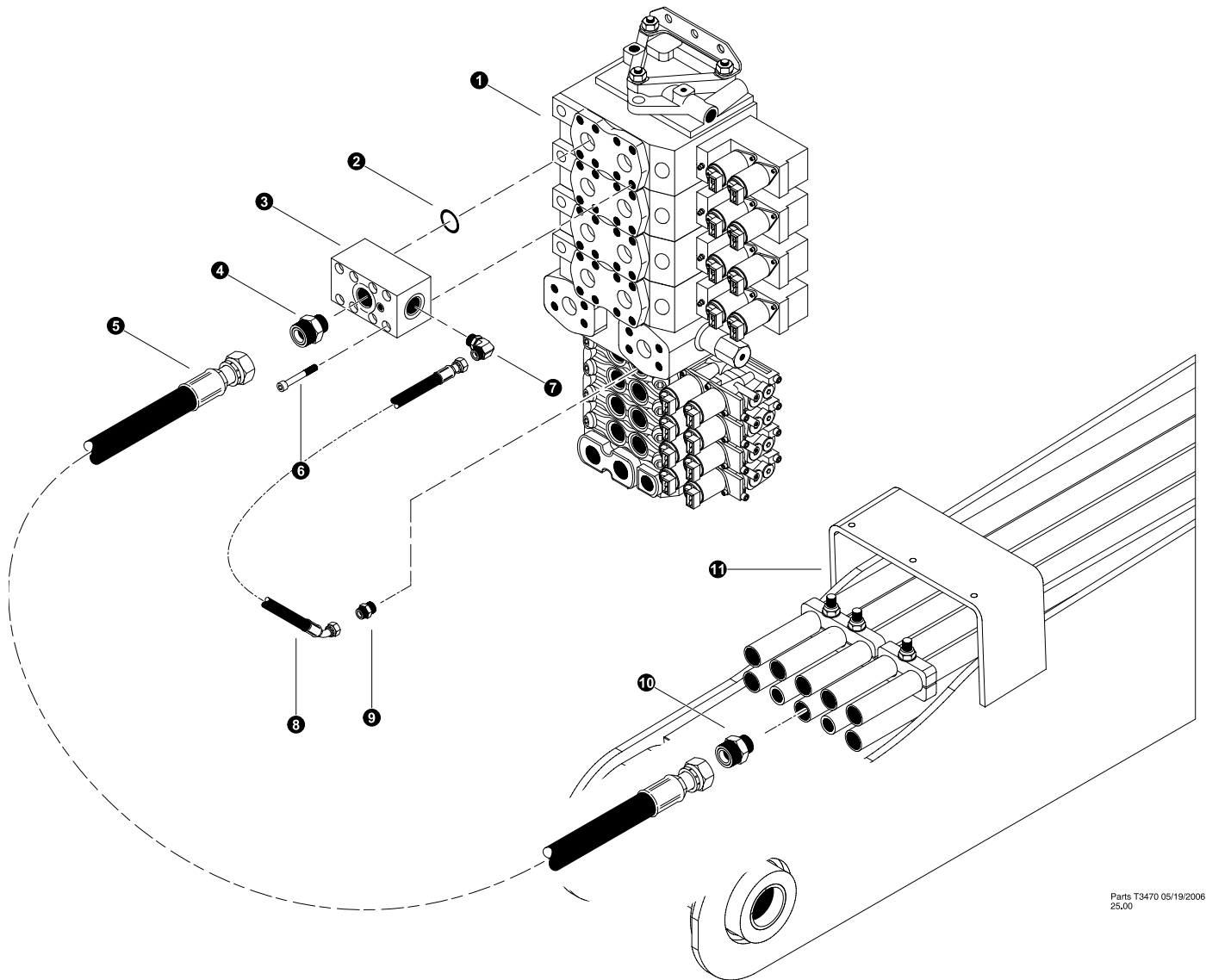
 See referenced page for component or assembly breakdown.



# ***Section FH-7***



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## ***Feller Buncher Hydraulics - Implement Function Connections - Rolly II***

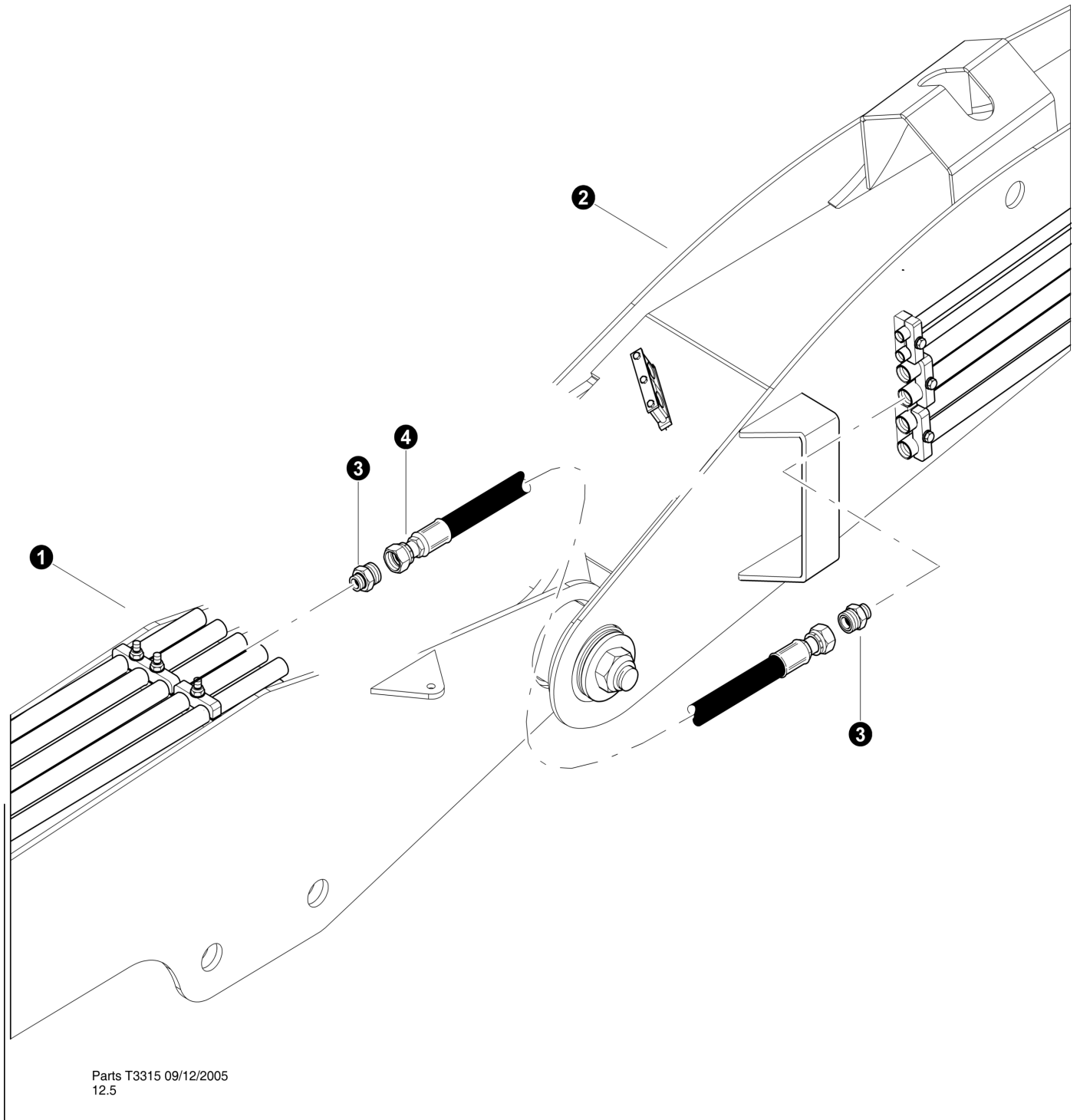


Parts T3470 05/19/2006  
25.00



## HARVESTER ATTACHMENT PRESSURE (Valve to Main Boom)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN CONTROL VALVE.....	FH-2
2	15377-FH	2	O-RING - 1" SF	
3	51807-FH	1	MANIFOLD, COMBINED FLOW - VOAC COMB	
4	17063-FH	1	CONNECTOR, STR - FF1852T-2016S	
5	-FH	1	HOSE ASSEMBLY - 4046-20-200S-200S	
6	50117-FH	8	BOLT, ALLEN HEAD - 10MM-1.5P X 75MM	
7	15372-FH	1	ELBOW, 90 - FF1868T-0812S	
8	-FH	1	HOSE ASSEMBLY - 4024-08-080S-0804	
9	15115-FH	2	CONNECTOR, STR - 848-TTO-08X10	
10	17063-FH	2	CONNECTOR, STR - FF1852T-2016S	
11	REF.	1	 MAIN BOOM ASSEMBLY.....	HB-1

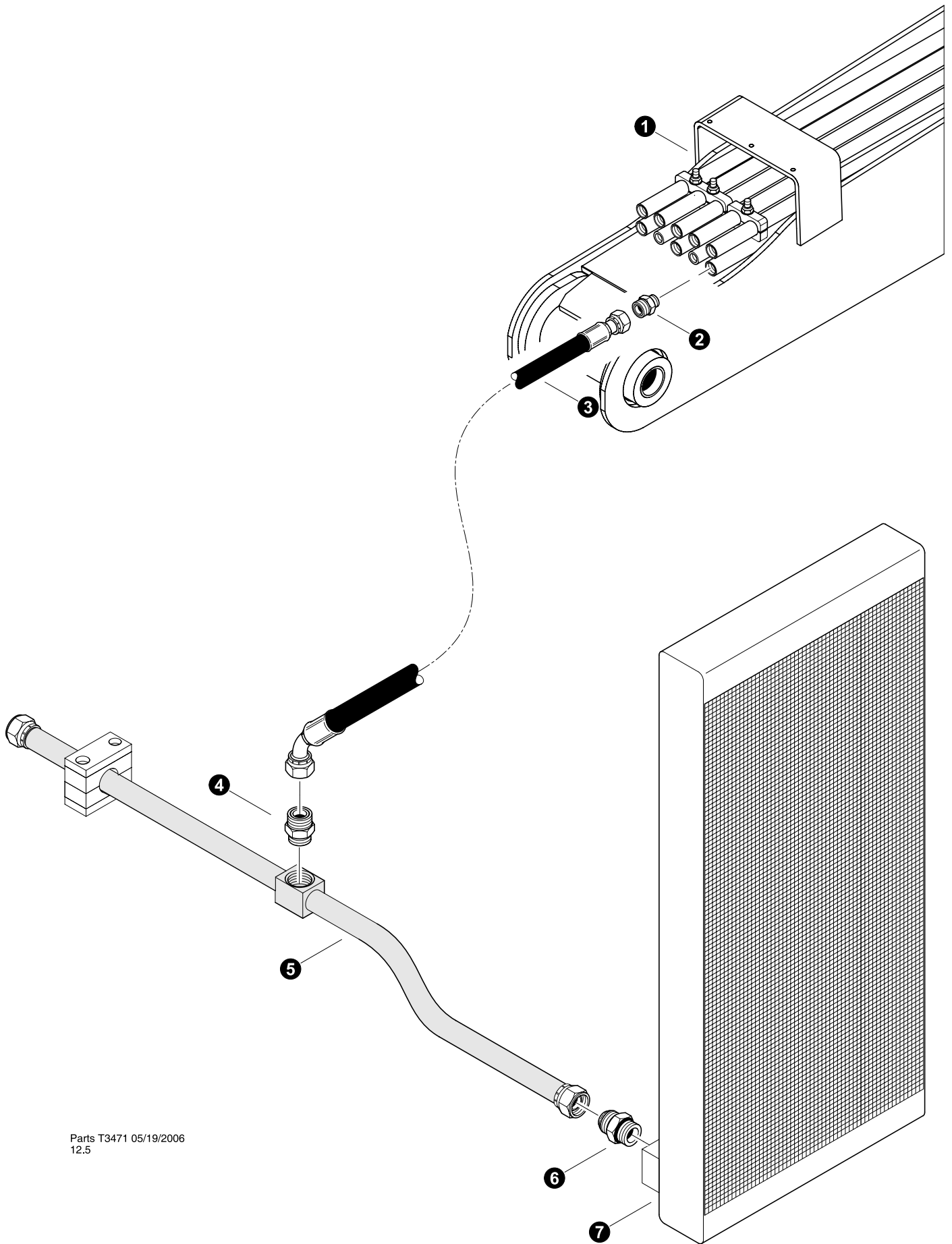
 See referenced page for component or assembly breakdown.



## HARVESTER ATTACHMENT PRESSURE (Main Boom to Stick Boom)




REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	HB-1
2	REF.	1	 STICK BOOM ASSEMBLY .....	HB-1
3	17063-FH	2	CONNECTOR, STR - FF1852T-2016S	
4	-FH	1	HOSE ASSEMBLY - 4075-20-200S-200S ( <i>Main Boom to Stick Cyl</i> )	


 See referenced page for component or assembly breakdown.

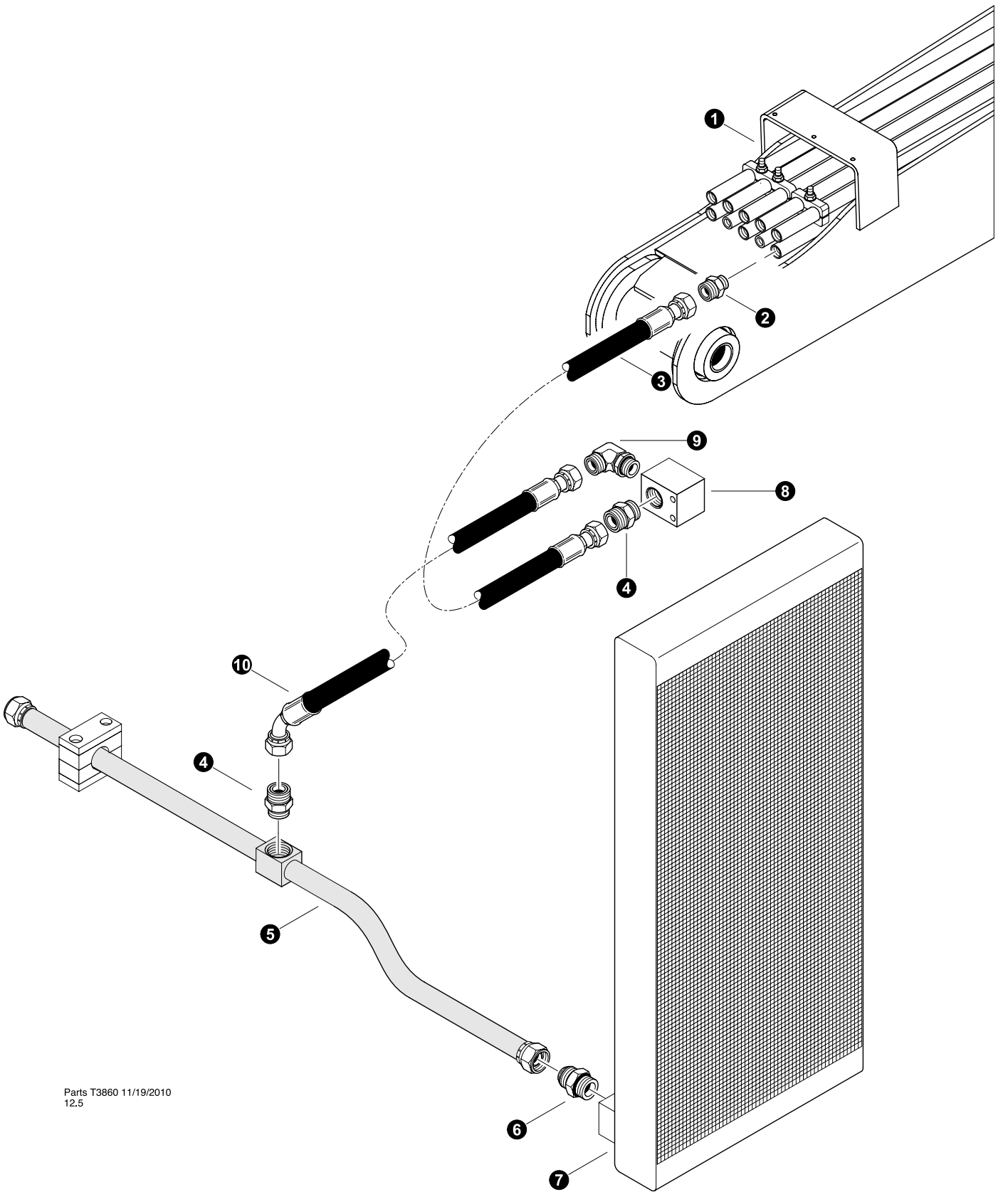


Parts T3471 05/19/2006  
12.5

## HARVESTER ATTACHMENT RETURN (Oil Cooler to Main Boom) Before 2010




REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	HB-1
2	16542-FH	1	CONNECTOR, STR - FF1852T-1620S	
3	-LH	1	HOSE ASSEMBLY - 2055-20-200S-2004 ( <i>Attachment Return to Return Tube</i> )	
4	18474-LH	1	ELBOW, 90 - 849-TT-20	
5	52384-LH	1	 TUBELINE, OIL COOLER RETURN - KIT	
6	-LH	1	CONNECTOR, STR #24 with seal	
7	REF.	1	 OIL COOLER ASSEMBLY .....	UP-3

 See referenced page for component or assembly breakdown.

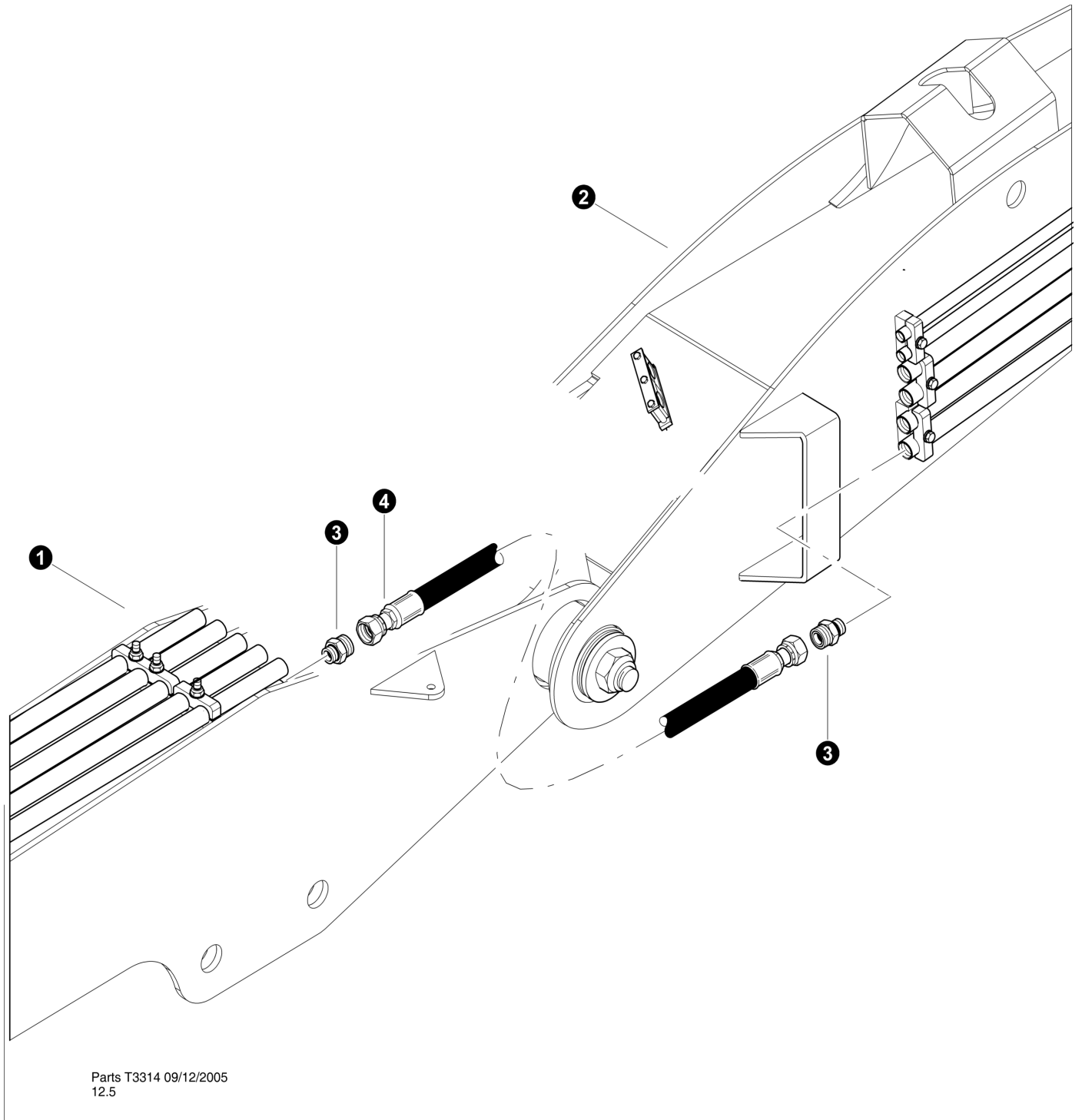


Parts T3860 11/19/2010  
12.5



## HARVESTER ATTACHMENT RETURN (Oil Cooler to Main Boom) 2010 and Newer

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF.	1		MAIN BOOM ASSEMBLY . . . . .	HB-1
2	16542-FH	1		CONNECTOR, STR - FF1852T-1620S	
3	-LH	1		HOSE ASSEMBLY - 2040-20-200S-200S ( <i>Attachment Return to Block</i> )	
4	18474-LH	1		ELBOW, 90 - 849-TT-20	
5	52384-LH	1		TUBELINE, OIL COOLER RETURN - KIT	
6	-LH	1		CONNECTOR, STR #24 with seal	
7	REF.	1		OIL COOLER ASSEMBLY . . . . .	UP-3
8	53198-FH	1		MANIFOLD, RETURN BLOCK	
9	17055-FH	1		ELBOW, 90 - FF1868T-2020S	
10	-FH	1		HOSE ASSEMBLY - 2028.5-20-200S-2004 ( <i>Return Block to Return Tube</i> )	

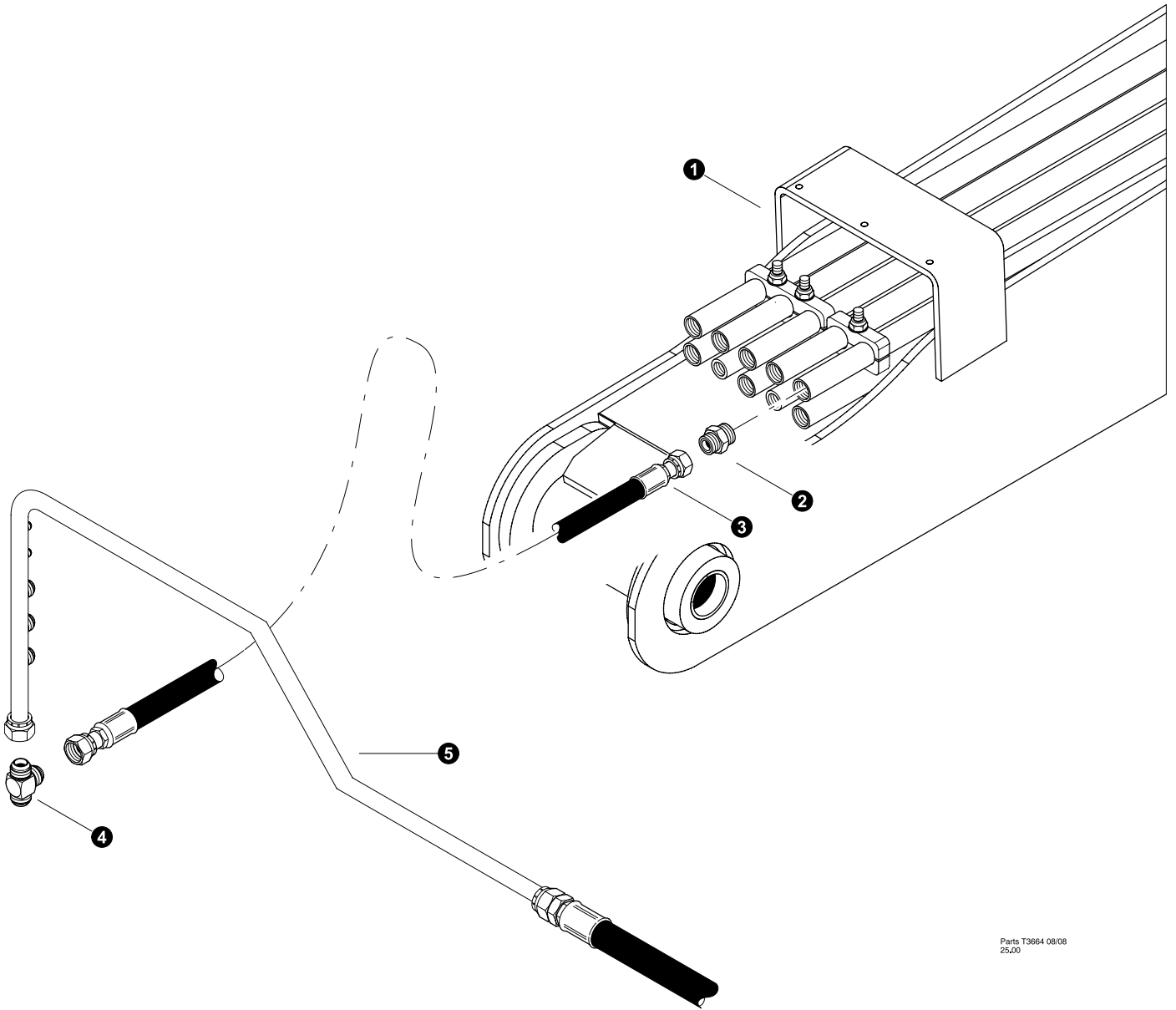
 See referenced page for component or assembly breakdown.



## HARVESTER ATTACHMENT RETURN (Main Boom to Stick Boom)



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	HB-1
2	REF.	1	 STICK BOOM ASSEMBLY .....	HB-1
3	16542-FH	2	CONNECTOR, STR - FF1852T-1620S	
4	-FH	1	HOSE ASSEMBLY - 4073-20-200S-200S ( <i>Main Boom to Stick Cyl</i> )	


 See referenced page for component or assembly breakdown.

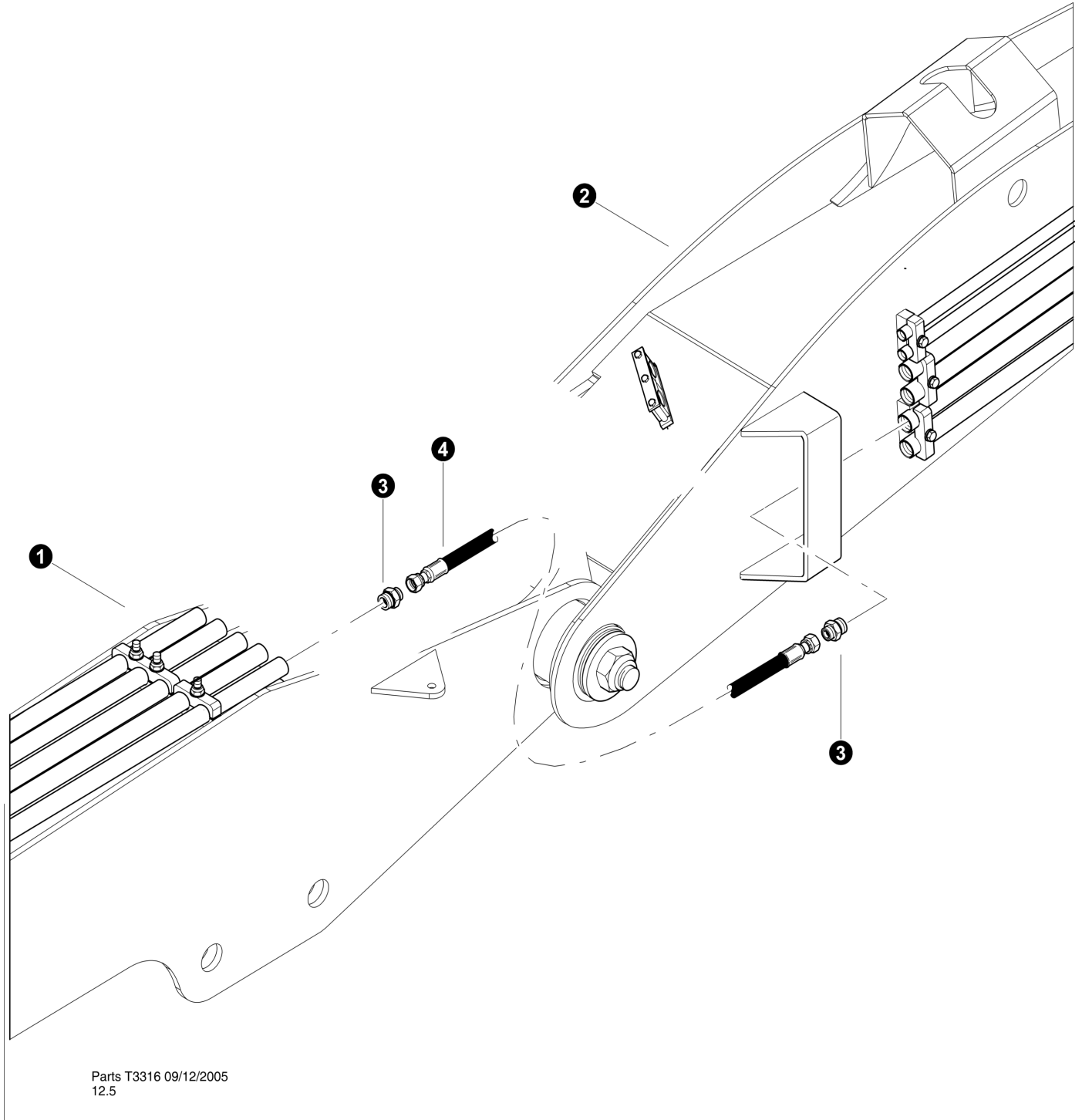


Parts T3664 08/08  
25.00



## HARVESTER ATTACHMENT CASE DRAIN (Oil Tank to Main Boom)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	HB-1
2	15226-FH	1	CONNECTOR, STR - FF1852T-1216S	
3	-FH	1	HOSE ASSEMBLY - 2059-12-120S-16FJ ( <i>Main Boom tube line to Case Tube</i> )	
4	52970-FH	1	TEE, UNION - 16 JTXO	
5	REF.	1	 CASE DRAIN TUBE .....	FH-2

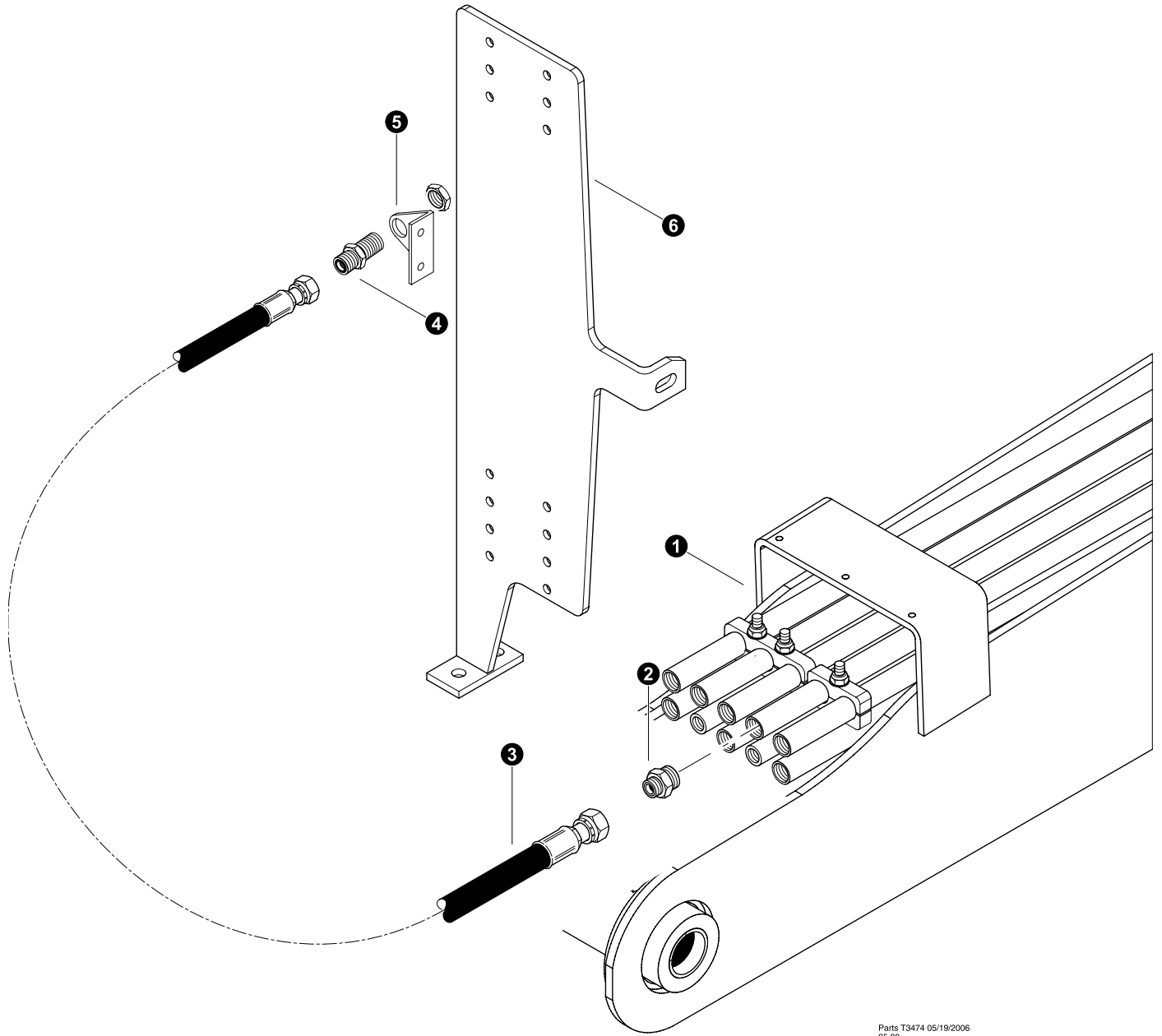
 See referenced page for component or assembly breakdown.



## HARVESTER ATTACHMENT CASE DRAIN (Main Boom to Stick Boom)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	HB-1
2	REF.	1	 STICK BOOM ASSEMBLY .....	HB-1
3	15225-FH	2	CONNECTOR, STR - FF1852T-1616S	
4	-FH	1	HOSE ASSEMBLY - 4073.5-16-160S-160S ( <i>Main Boom to Stick Cyl</i> )	

 See referenced page for component or assembly breakdown.

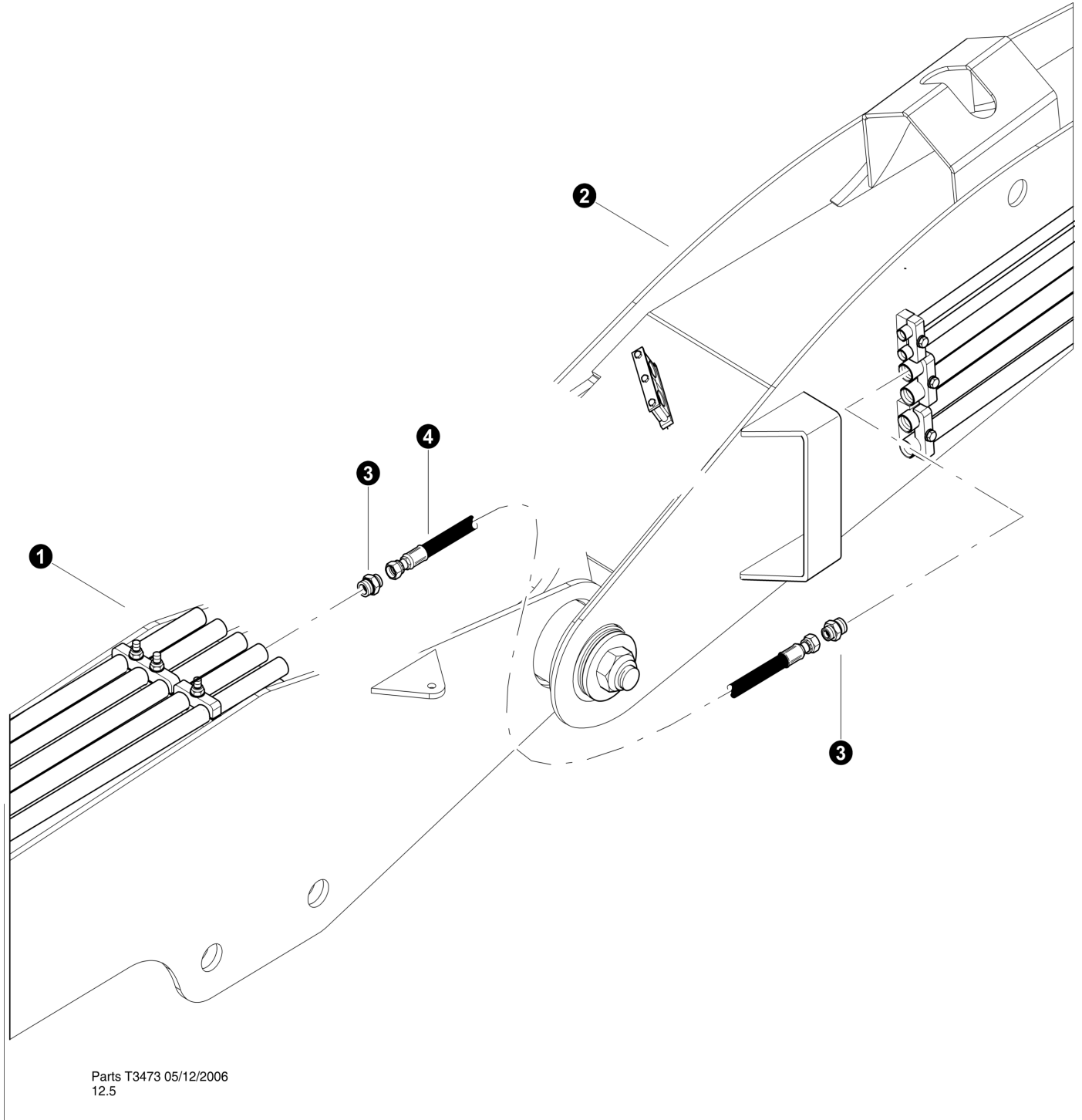


Parts T3474 05/19/2006  
25.00



## HARVESTER ATTACHMENT WIRE HOSE (Wire Hose Bracket to Main Boom)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	HB-1
2	52866-FH	1	CONNECTOR, STR - 10-16 F50LO-S	
3	-FH	1	HOSE ASSEMBLY - 2066-10-100S-100S ( <i>Main Boom tube line to Bulkhead</i> )	
4	50037-FH	1	CONNECTOR, STR BULKHEAD - 832-TT-10	
5	53053-FH	1	BRACKET, BULKHEAD - Rolly 2 wire	
6	REF	1	VALVE BRACKET .....	FH-1

 See referenced page for component or assembly breakdown.



## HARVESTER ATTACHMENT WIRE HOSE (Main Boom to Stick Boom)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	HB-1
2	REF.	1	 STICK BOOM ASSEMBLY .....	HB-1
3	52866-FH	2	CONNECTOR, STR - 10-16 F50LO-S	
4	-FH	1	HOSE ASSEMBLY - 4075.5-10-100S-100S ( <i>Main Boom to Stick Cyl</i> )	

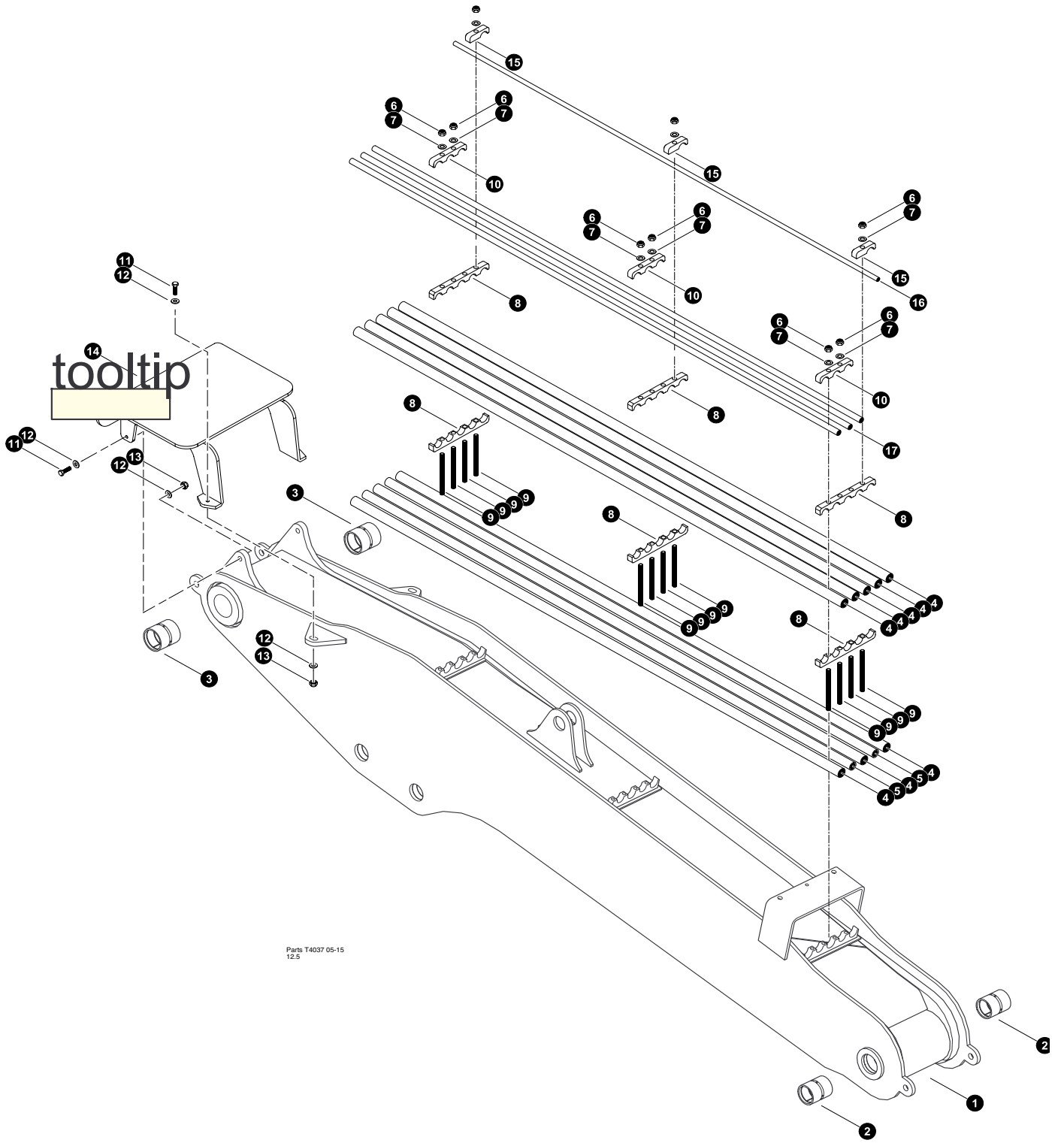
 See referenced page for component or assembly breakdown.



# ***Section FB-1***

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## ***Feller Buncher Booms - Main Boom***



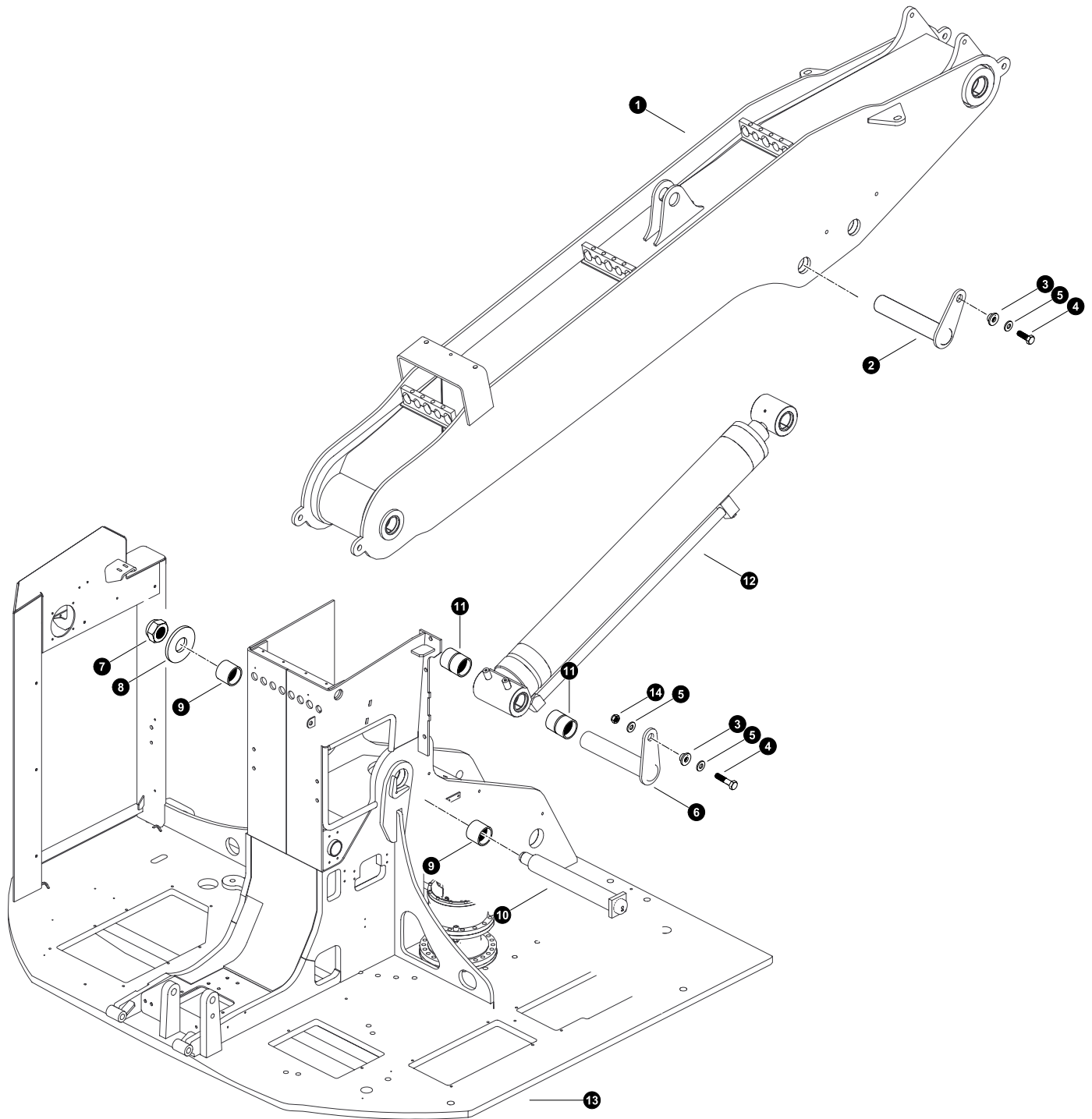
Parts T4037 05-15  
12.5

## MAIN BOOM COMPONENTS

Shown with optional 1/2" tubelines



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	53919-FB	1	<input type="checkbox"/> WELDMENT, MAIN BOOM	
2	42485-FB	2	BUSHING - 3.5" X 3.0" X 4.25" UNDERSIZE	
3	18564-FB	2	BUSHING - 3.5" X 4.25"	
4	51833-FB	8	TUBELINE - 1" X 108" FB MAIN	
5	51834-FB	2	TUBELINE - .75" X 108" FB MAIN	
6	15563-FB	9	NUT, nylock - 5/8"	
7	10771-FB	9	WASHER, SAE flat - 5/8"	
8	52155-FB	6	CLAMP, SADDLE - DRILLED (5-1" TUBES)	
9	17062-FB	12	STUD - .625" X 8"	
10	85086-FB	3	CLAMP, SADDLE TOP TUBE - 1"/1"/1"	
11	15517-FB	4	BOLT - .625" X 2.5"	
12	10771-FB	8	WASHER, SAE flat - 5/8"	
13	10816-FB	4	NUT, LOCK - .625"	
14	53927-FB	1	GUARD, HOSE - MAIN BOOM (FB)(53919 BOOM)	
15	23222-FB	3	CLAMP, SADDLE TOP TUBE - .5" (1 TUBE)	
16	53116-FB	1	TUBELINE - .375" X 108" - BLACK PIPE	
17	51835-FB	3	TUBELINE - .5" X 108" FB MAIN TF830	


Kit or Assembly - includes all items indented underneath.

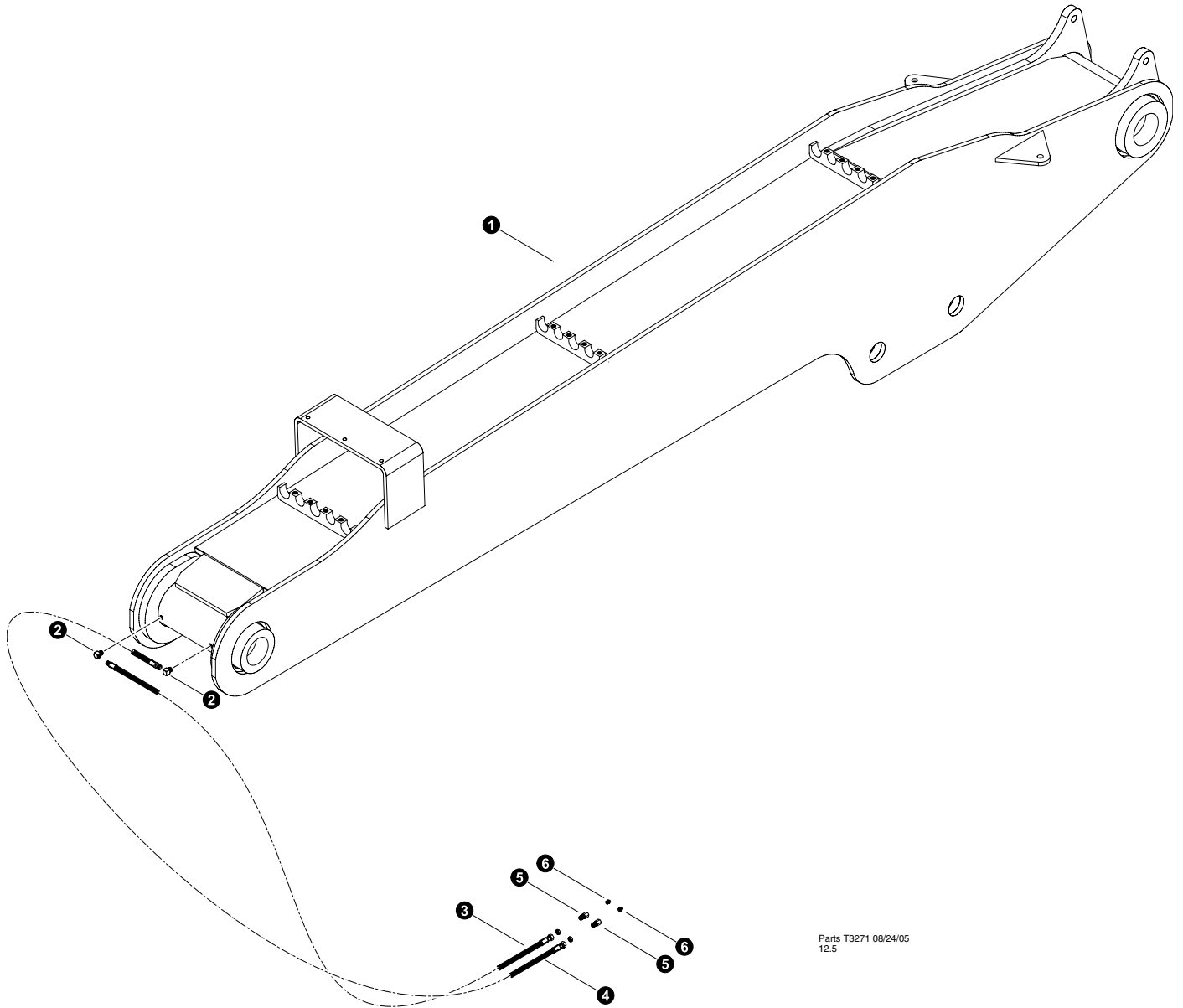


Parts T4038 05/15  
12.5

## MAIN BOOM INSTALLATION


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	53926-LB	1	PIN ASSEMBLY, 2.99 DIA X 14.25"	
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	51575-LB	1	PIN ASSEMBLY, 2.99 DIA X 18.63"	
7	10728-LB	1	NUT, NYLOCK - 2" (ZINC PLATED)	
8	19384-LB	1	WASHER, BURNED - 2.12" ID X 6" OD X .5"	
9	42484-LB	2	BUSHING - 3.5" X 3.0" X 2.0" UNDERSIZE	
10	54679-LB	1	PIN ASSEMBLY, 2.99 DIA X 24.63"	
11	42485-LB	2	BUSHING - 3.5" X 3.0" X 4.25" UNDERSIZE	
12	REF.	1	MAIN BOOM CYLINDER (Feller Buncher) .....	FB-3
13	REF.	1	 UPPER TURNTABLE WELDMENT .....	UP-1


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

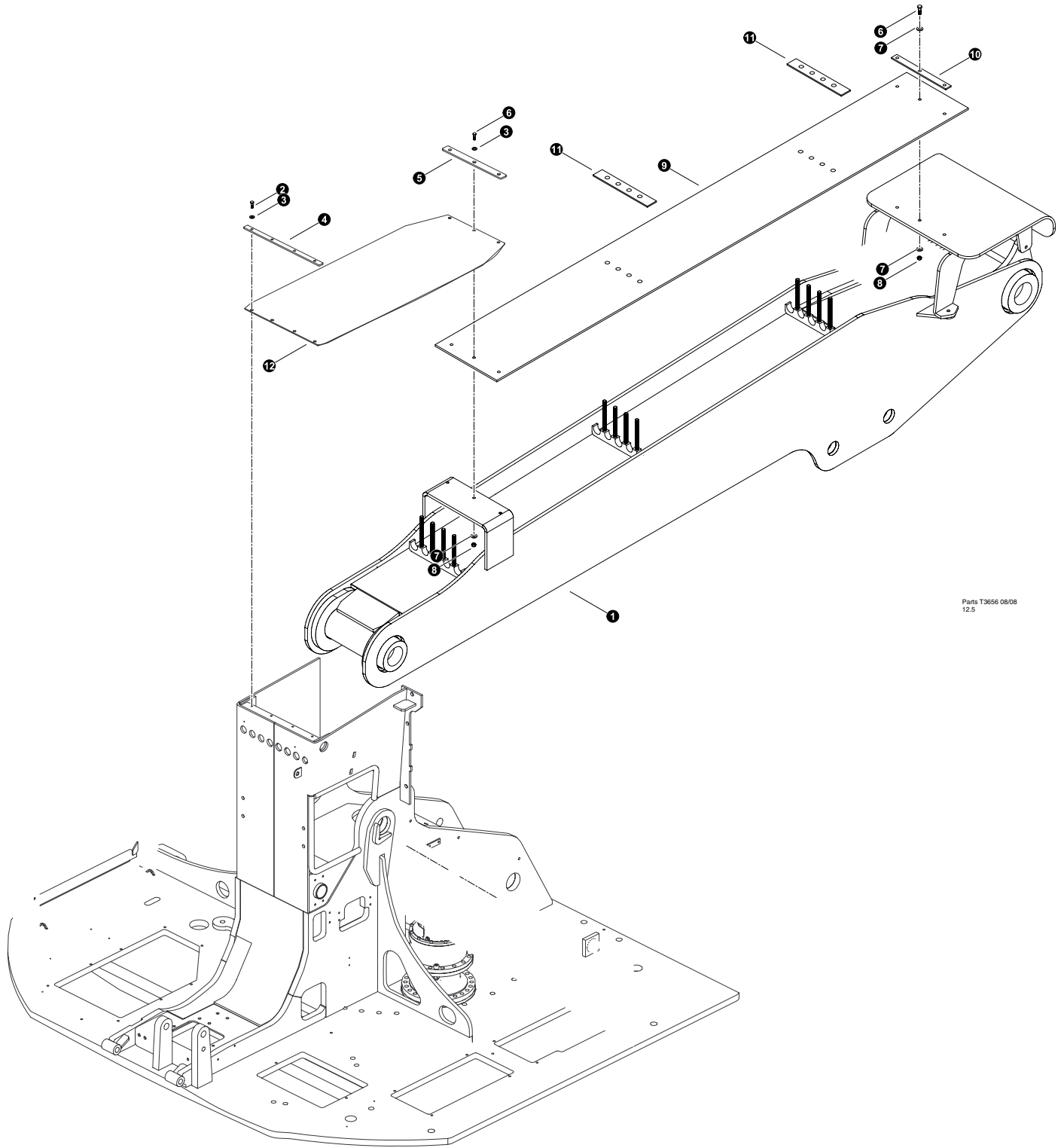


Parts T3271 08/24/05  
12.5

## 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 2094-02-02PS-04JS	
4	-FB	2	HOSE ASSEMBLY 2094-02-02PS-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.



Parts T3656 08/08  
12.5

### MAIN BOOM - DEBRIS SHIELD

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM .....	FB-1
2	11707-FB	4	BOLT - .375" X 1"	
3	15528-FB	7	WASHER, SAE FLAT - .375"	
4	46989-FB	1	BAR, RUBBER - BOOM C SERIES	
5	42689-FB	1	BAR, RUBBER - BOOM C SERIES	
6	20084-FB	6	BOLT - .375" X 1.75"	
7	15528-FB	6	WASHER, SAE FLAT - .375"	
8	15507-FB	3	NUT, NYLOCK - .375"	
9	52823-FB	1	BELTING, F/B BOOM TOP	
10	42689-FB	1	BELTING, GULLWING TO BOOM HINGED	
11	52824-FB	2	PLATE, BELTING HOLD DOWN - BOOM COVER	
12	46522-FB	6	BELTING, GULLWING TO BOOM HINGE - C SER.	

 Kit or Assembly - includes all items indented underneath.

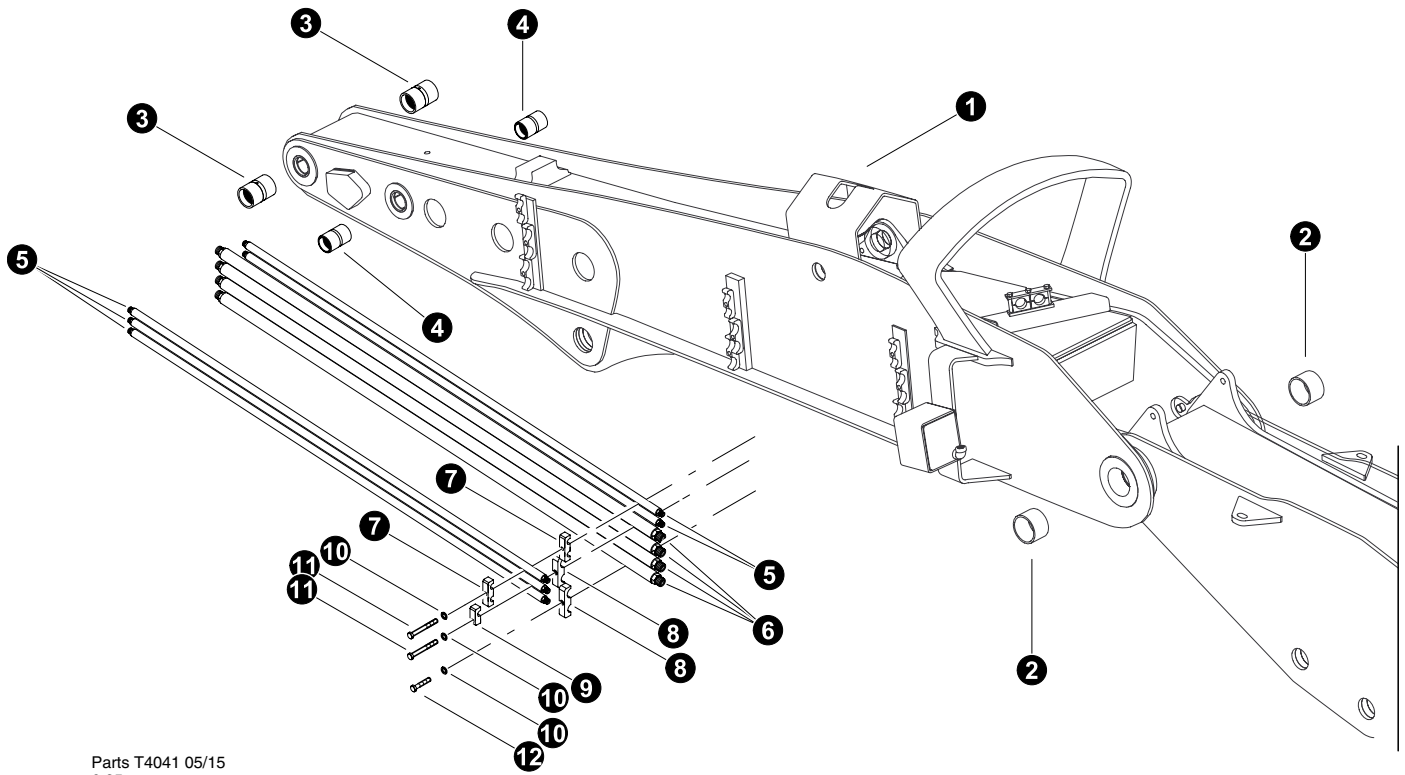
 See referenced page for component or assembly breakdown.



# ***Section FB-2***

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## ***Feller Buncher Booms - Stick Boom (Standard)***

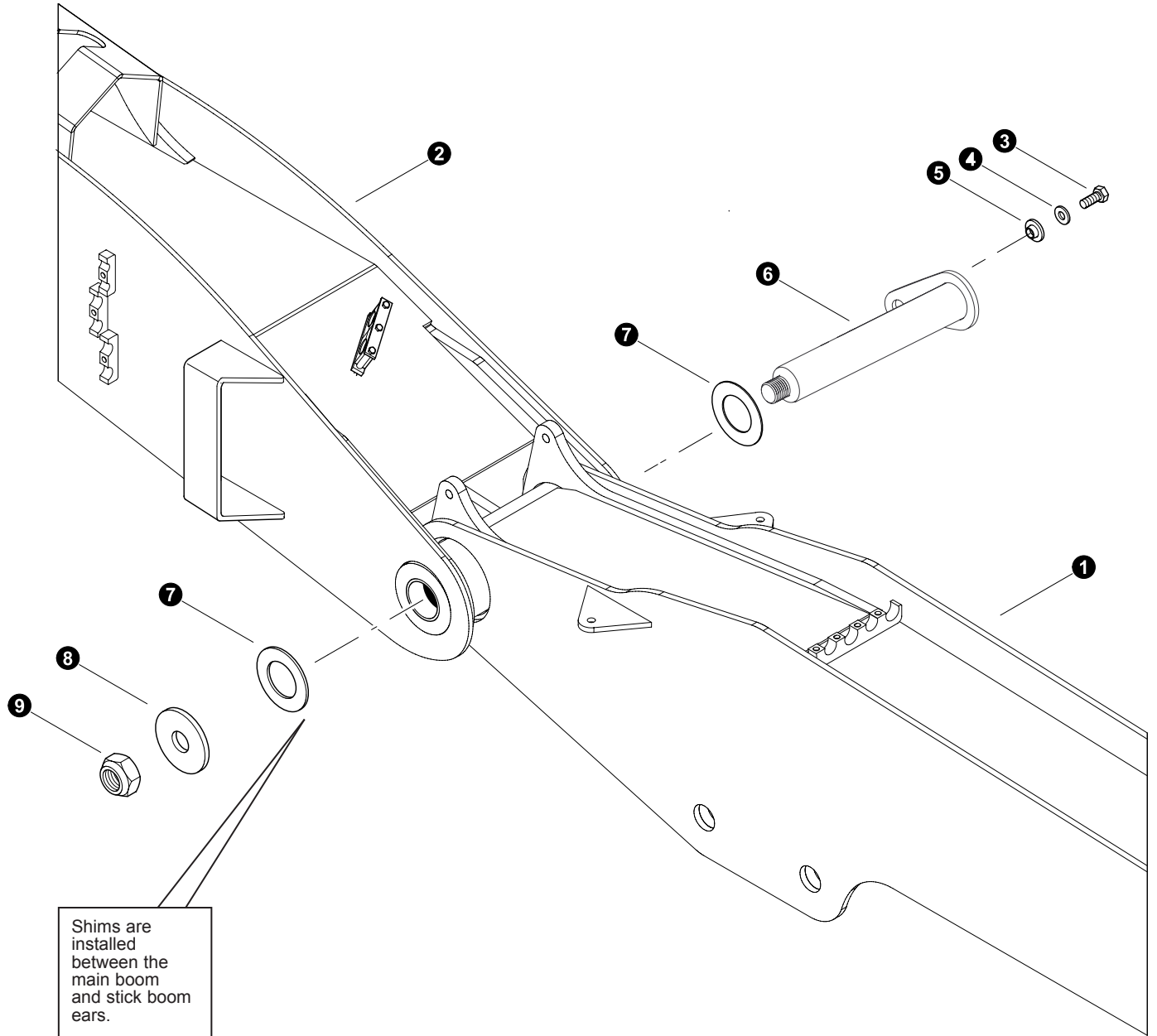


Parts T4041 05/15  
6.25

## STICK BOOM COMPONENTS (Standard Stick Boom)



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	46572-FB	1	WELDMENT, STICK BOOM F/B	
2	18565-FB	2	BUSHING - 3.5" X 2.5"	
3	11704-FB	2	BUSHING - 2-1/2" x 4-1/4"	
4	11704-FB	2	BUSHING - 2-1/2" x 4-1/4"	
5	16513-FB	5	TUBELINE - 1/2" x 80" ( <i>Straight</i> )	
6	16506-FB	4	TUBELINE - 1" x 84" ( <i>Straight</i> )	
7	15272-FB	3	CLAMP, saddle top tube - 1/2" x 1/2"	
8	12447-FB	6	CLAMP, SADDLE TOP TUBE - 1" & 1"	
9	23222-FB	3	CLAMP, SADDLE TOP TUBE - .5" (1 TUBE)	
10	10771-FB	9	WASHER, SAE flat - 5/8"	
11	10773-FB	6	BOLT - .625" X 3.5"	
12	15681-FB	3	BOLT - 5/8" X 2.25"	


- Kit or Assembly - includes all items indented underneath.

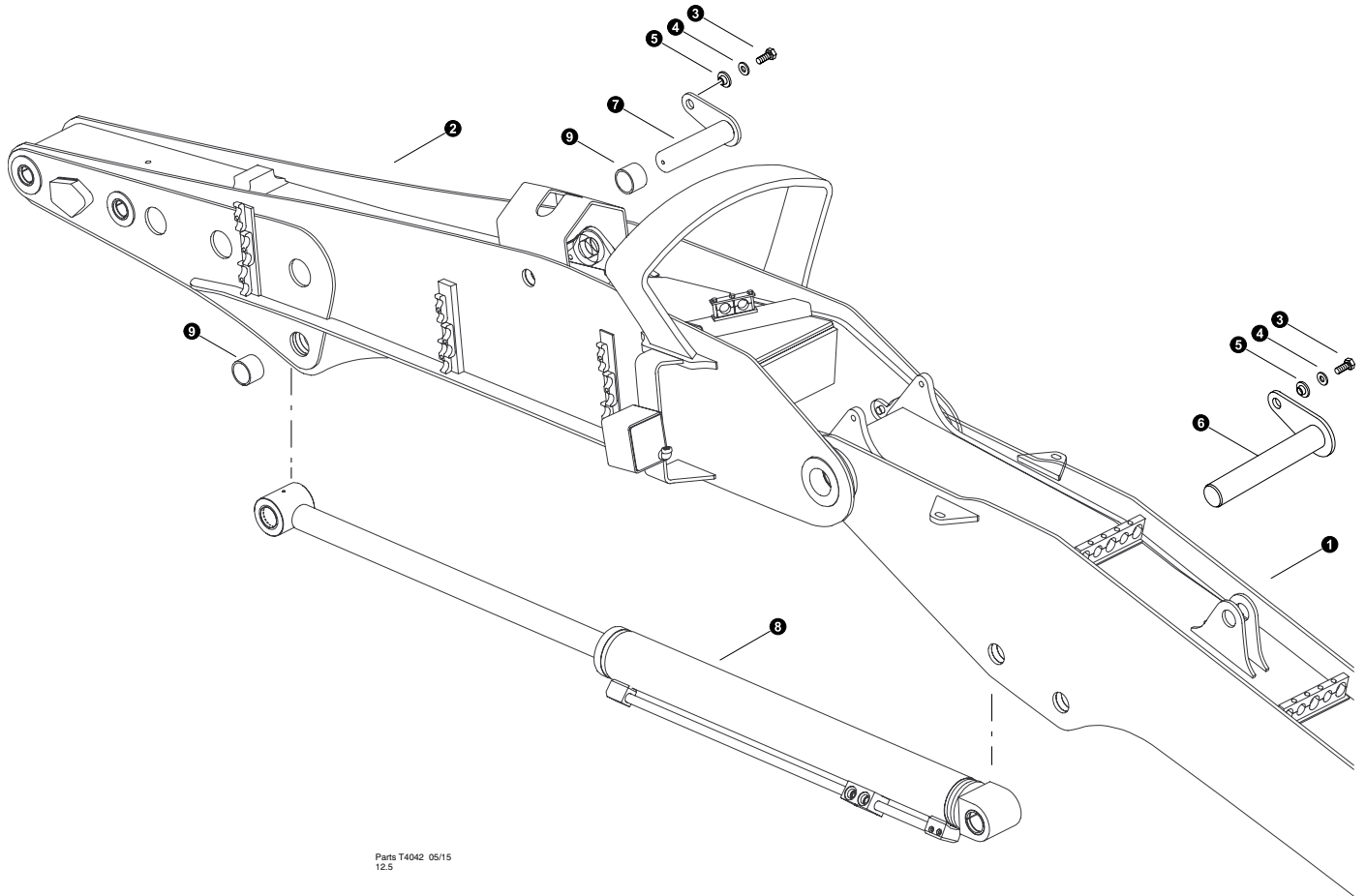


Parts T4040 05/15  
12.50

## STICK BOOM INSTALLATION




REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	REF.	1	 STICK BOOM ASSEMBLY.....	FB-2
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	51644-FB	1	PIN ASSEMBLY, 3.50 DIA X 21.06 (2" NUT)	
7	18678-FB	AR	SHIM - 7 gauge	
	18679-FB	AR	SHIM - 10 gauge	
	18680-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.

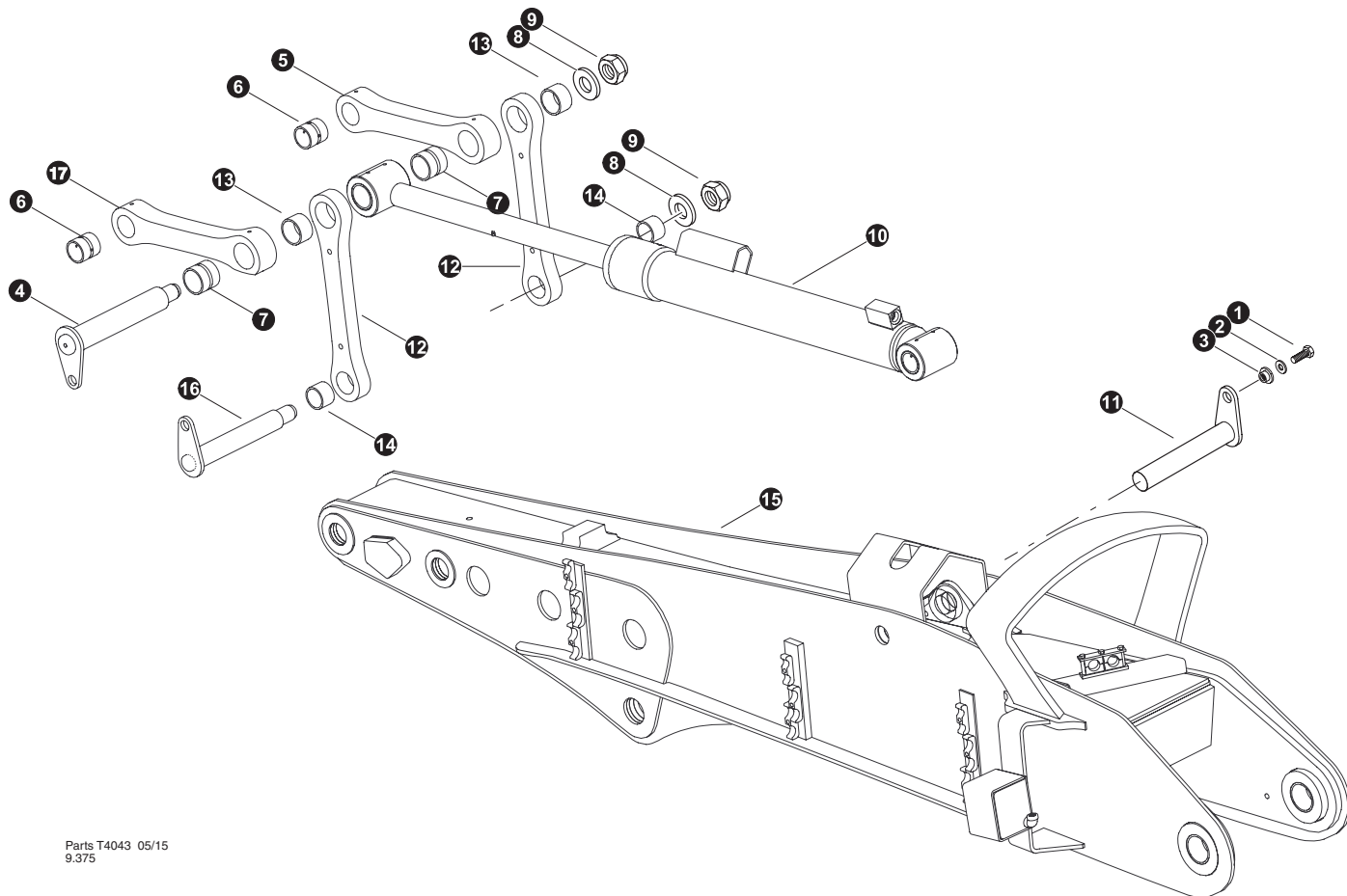


Parts T4042 05/15  
12.5

## 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	53926-LB	1	PIN ASSEMBLY, 2.99 DIA X 15.38" FB	
7	50738-FB	1	PIN ASSEMBLY, 2.99 DIA X 10.75"	
8	REF.	1	 STICK BOOM (JIB) CYLINDER .....	FB-5
9	46645-FB	1	BUSHING, FB STICK BOOM (3.5" TO 3" )	

 See referenced page for component or assembly breakdown.

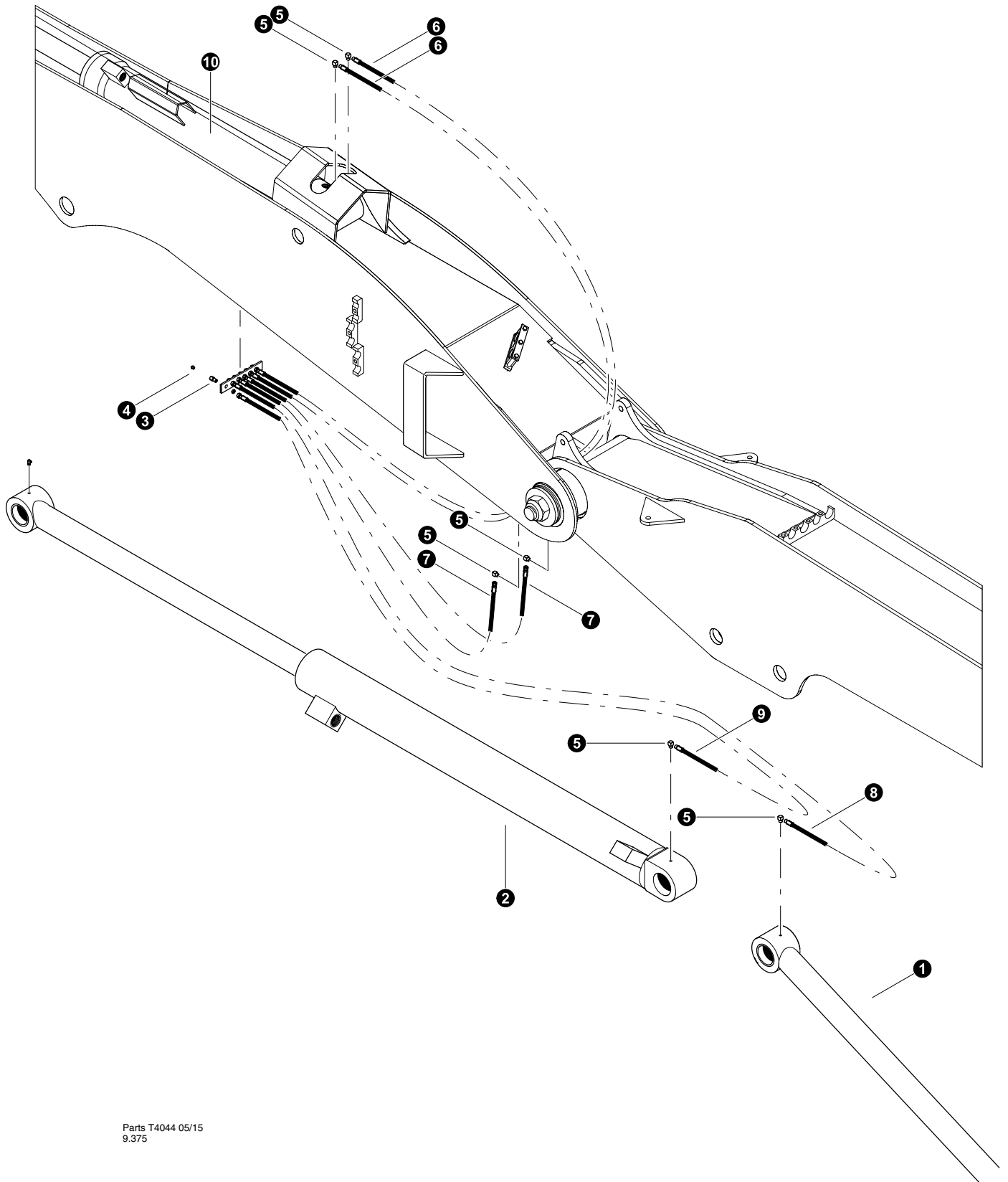


Parts T4043 05/15  
9.375

### 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	54392-FB	2	PIN ASSEMBLY 3.0 X 18.88(16"W/LGTH)	
5	54386-FB	1	☐ BAR, LINK - CONNECTING (TOP) 3" PIN R.H.	
6	14241-FB	2	BUSHING - 2.5" X 3"	
7	54397-FB	2	BUSHING - 3.0" X 3.0" (4 BAR)	
8	12021-FB	2	WASHER, burned	
9	10728-FB	2	NUT, nylock - 2"	
10	REF.	1	📖 TOOL TILT CYLINDER .....	FB-5
11	51645-FB	1	PIN ASSEMBLY, 2.50 DIA X 14.75"	
12	54385-FB	2	☐ LINK, connecting - side	
13	54396-FB	2	BUSHING - 3.0" X 2.0" (4 BAR)	
14	54395-FB	1	BUSHING - 2.5" X 2.0" (4 BAR)	
15	REF.	1	📖 STICK BOOM ASSEMBLY.....	FB-2
16	54391-FB	1	PIN ASSEMBLY 2.5 X 18.88(16"W/LGTH)	
17	54421-FB	1	BAR, LINK - CONNECTING (TOP) 3" PIN L.H.	



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



Parts T4044 05/15  
9.375

## BOOM GREASE LINES

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM CYLINDER.....	FB-5
2	REF.	1	 STICK BOOM CYLINDER.....	FB-5
3	15658-FB	6	CONNECTOR, straight bulkhead - 2239-2-4S	
4	10704-FB	6	FITTING, straight grease - 1/8" pipe thread	
5	22281-FB	6	FITTING, 90° - 5546132	
-	55605-FB	1	 KIT, hose - grease lines - <i>Feller Buncher</i>	
6	-FB	2	HOSE ASSEMBLY 2133-02-02PS-04JS	
7	-FB	2	HOSE ASSEMBLY 2088-02-02PS-04JS	
8	-FB	1	HOSE ASSEMBLY 2147-02-02PS-04JS	
9	-FB	1	HOSE ASSEMBLY 2138-02-02PS-04JS	
10	REF.	1	 TOOL CYLINDER .....	FB-5

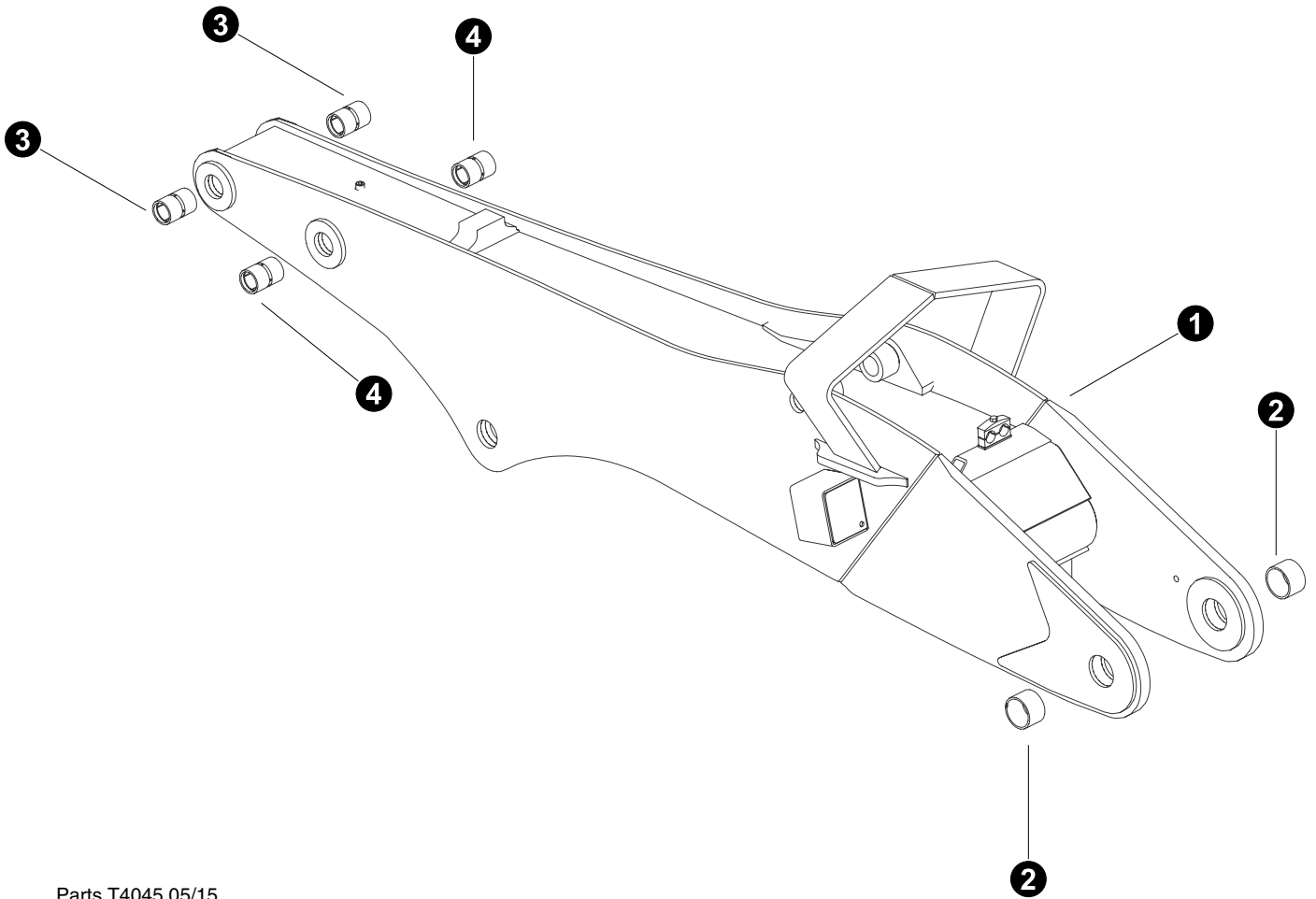
-  See referenced page for component or assembly breakdown.
-  Kit or Assembly - includes all items indented underneath.



# ***Section FB-3***

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## ***Feller Buncher Booms - Stick Boom (Bottom Hosed)***

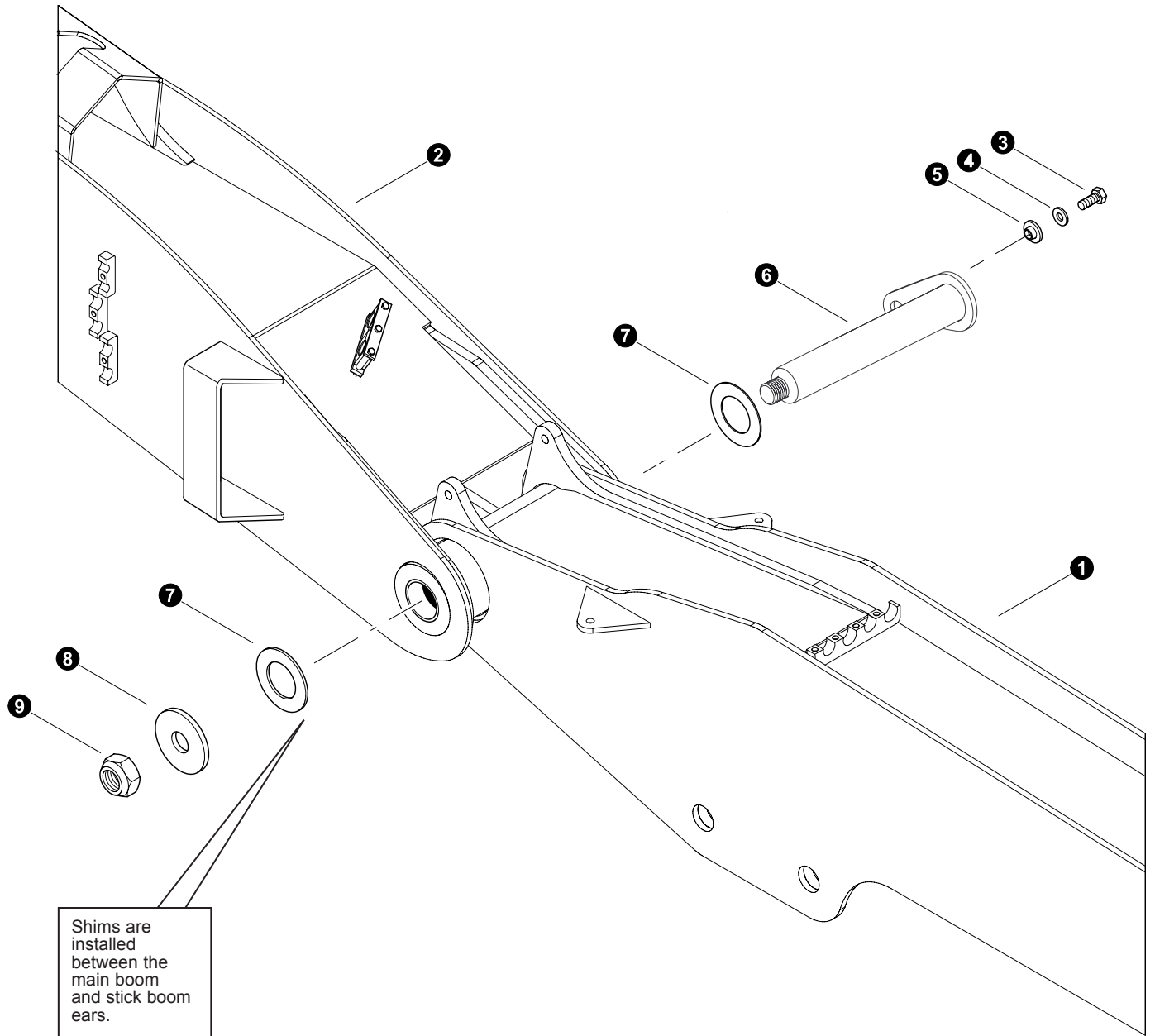


Parts T4045 05/15  
6.25

**STICK BOOM COMPONENTS  
(Bottom Hosed Stick Boom)**



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	55263-FB	1	WELDMENT, STICK BOOM FB (QUADCO)	
2	18565-FB	2	BUSHING - 3.5" X 2.5"	
3	11704-FB	2	BUSHING - 2-1/2" x 4-1/4"	
4	11704-FB	2	BUSHING - 2-1/2" x 4-1/4"	

- Kit or Assembly - includes all items indented underneath.

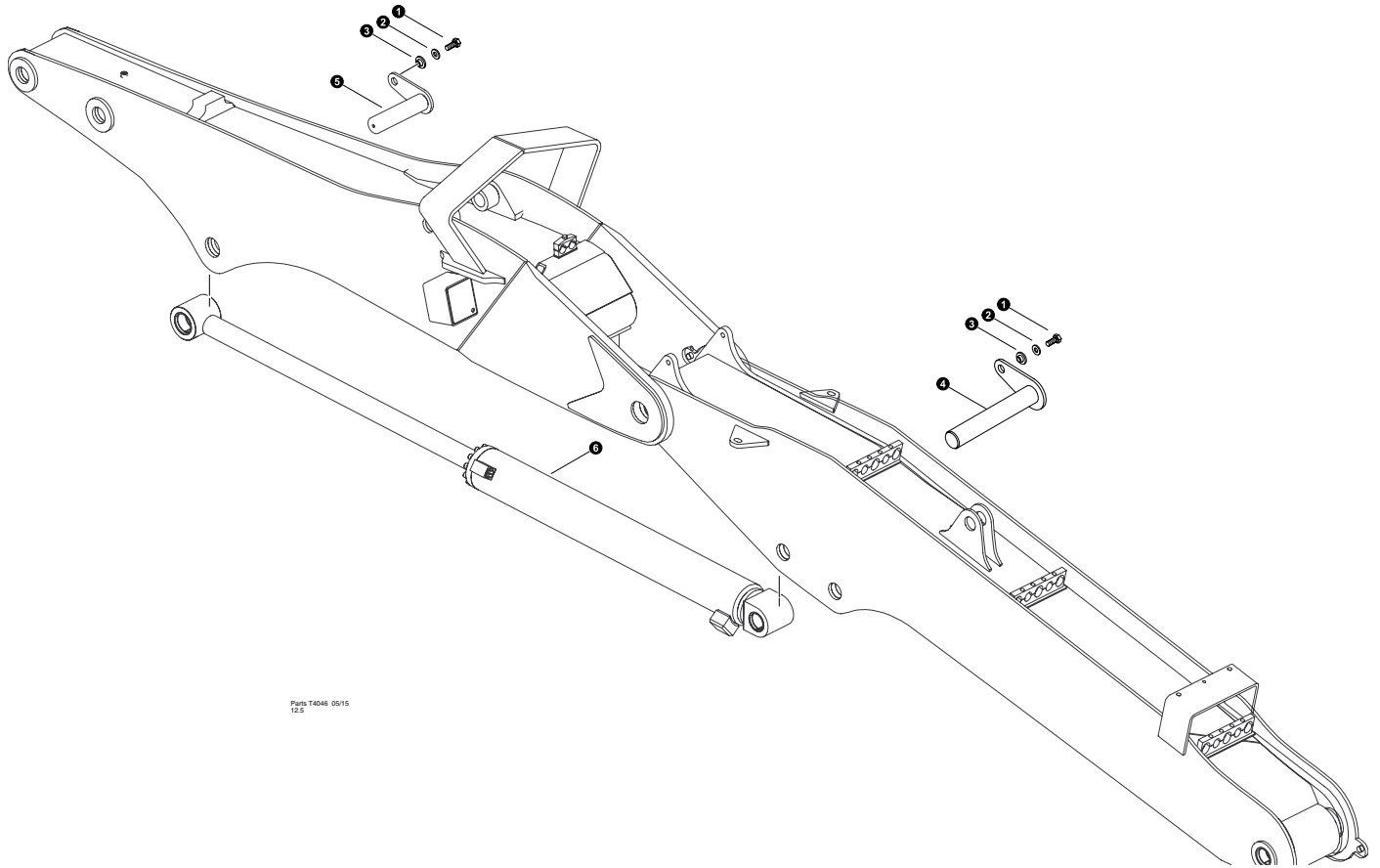


Parts T4040 05/15  
12.50

## STICK BOOM INSTALLATION




REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	REF.	1	 STICK BOOM ASSEMBLY.....	FB-3
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	51644-FB	1	PIN ASSEMBLY, 3.50 DIA X 21.06 (2" NUT)	
7	18678-FB	AR	SHIM - 7 gauge	
	18679-FB	AR	SHIM - 10 gauge	
	18680-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.

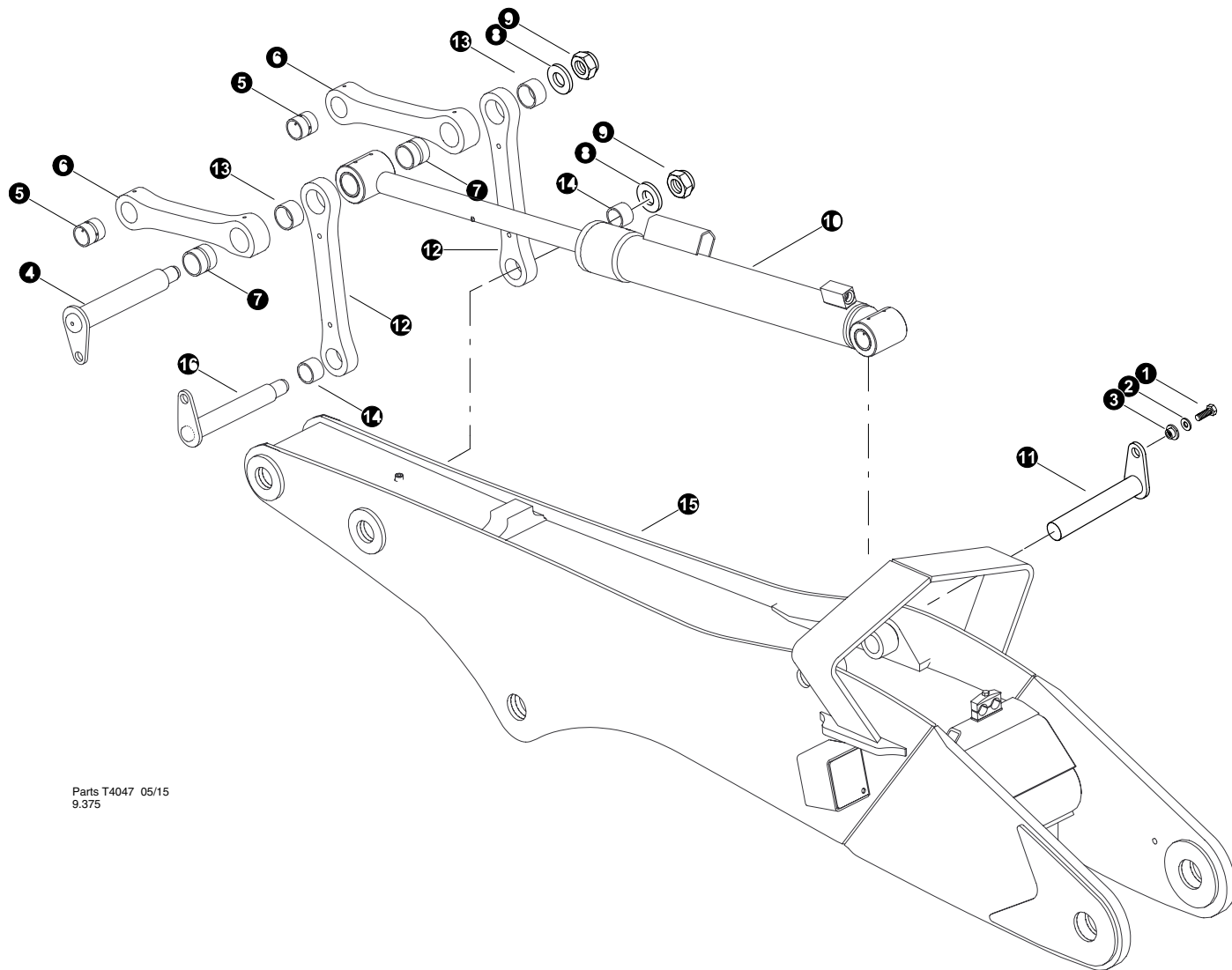


Parts T4046 05/15  
12.5

## STICK BOOM (JIB) CYLINDER INSTALLATION

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
-	REF.	1	 STICK BOOM ASSEMBLY.....	FB-3
1	15549-FB	1	BOLT - 3/4" x 2"	
2	15550-FB	1	WASHER, SAE flat - 3/4"	
3	18570-FB	1	WASHER, pin retaining	
4	53926-FB	1	PIN ASSEMBLY, 2.99 DIA X 14.25"	
5	46526-FB	1	PIN ASSEMBLY, 2.99 DIA X 10.75"	
6	REF.	1	 STICK BOOM (JIB) CYLINDER .....	FB-5

 See referenced page for component or assembly breakdown.

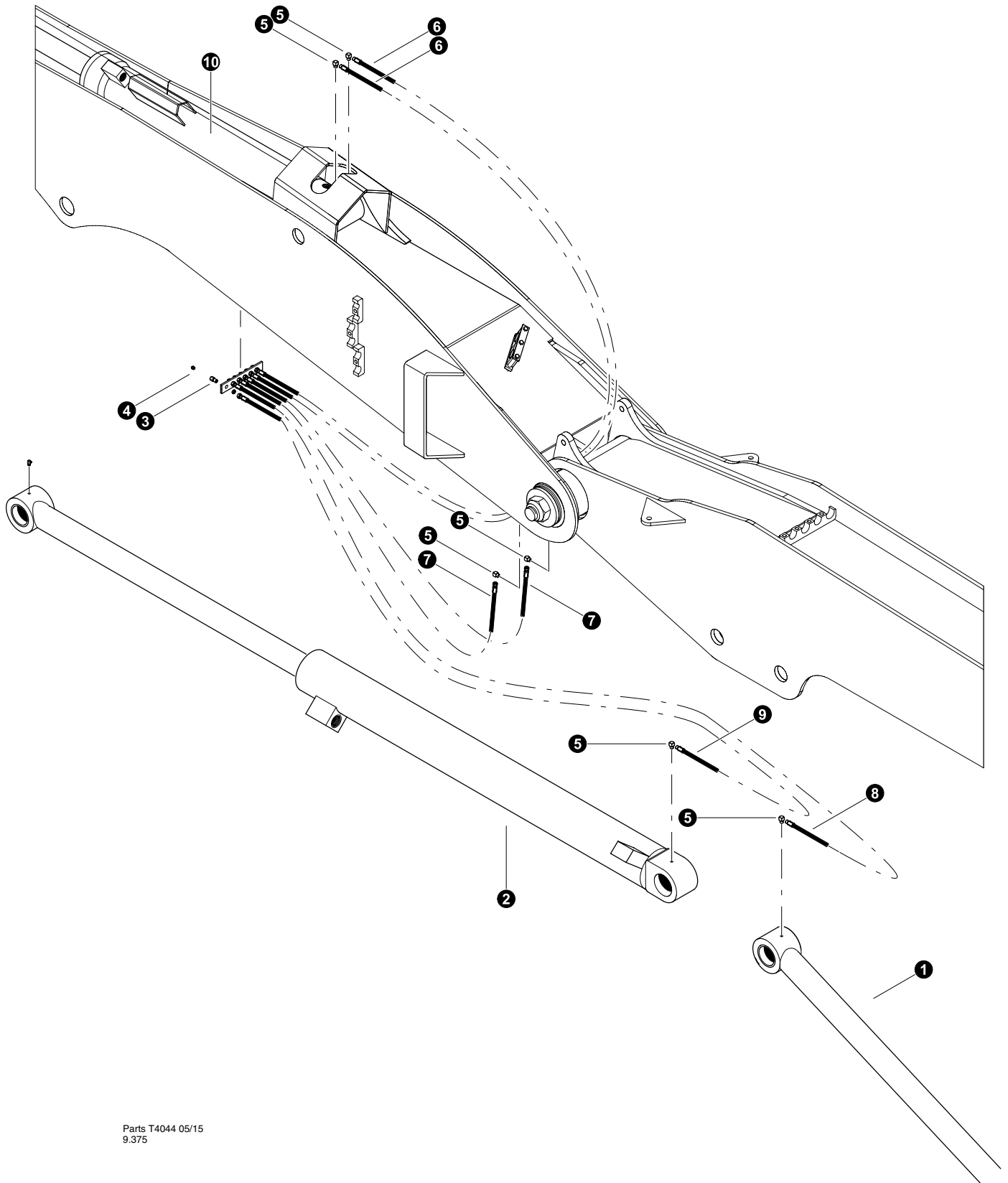


Parts T4047 05/15  
9.375

### 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	54392-FB	2	PIN ASSEMBLY 3.0 X 18.88(16"W/LGTH)	
5	54386-FB	1	☐ BAR, LINK - CONNECTING (TOP) 3" PIN R.H.	
6	14241-FB	2	BUSHING - 2.5" X 3"	
7	54397-FB	2	BUSHING - 3.0" X 3.0" (4 BAR)	
8	12021-FB	2	WASHER, burned	
9	10728-FB	2	NUT, nylock - 2"	
10	REF.	1	📖 TOOL TILT CYLINDER .....	FB-5
11	51645-FB	1	PIN ASSEMBLY, 2.50 DIA X 14.75"	
12	54385-FB	2	☐ LINK, connecting - side	
13	54396-FB	2	BUSHING - 3.0" X 2.0" (4 BAR)	
14	54395-FB	1	BUSHING - 2.5" X 2.0" (4 BAR)	
15	REF.	1	📖 STICK BOOM ASSEMBLY.....	FB-3
16	54391-FB	1	PIN ASSEMBLY 2.5 X 18.88(16"W/LGTH)	
17	54421-FB	1	BAR, LINK - CONNECTING (TOP) 3" PIN L.H.	



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



Parts T4044 05/15  
9.375

## BOOM GREASE LINES

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM CYLINDER.....	FB-5
2	REF.	1	 STICK BOOM CYLINDER.....	FB-5
3	15658-FB	6	CONNECTOR, straight bulkhead - 2239-2-4S	
4	10704-FB	6	FITTING, straight grease - 1/8" pipe thread	
5	22281-FB	6	FITTING, 90° - 5546132	
-	55605-FB	1	 KIT, hose - grease lines - <i>Feller Buncher</i>	
6	-FB	2	HOSE ASSEMBLY 2133-02-02PS-04JS	
7	-FB	2	HOSE ASSEMBLY 2088-02-02PS-04JS	
8	-FB	1	HOSE ASSEMBLY 2147-02-02PS-04JS	
9	-FB	1	HOSE ASSEMBLY 2138-02-02PS-04JS	
10	REF.	1	 TOOL CYLINDER .....	FB-5

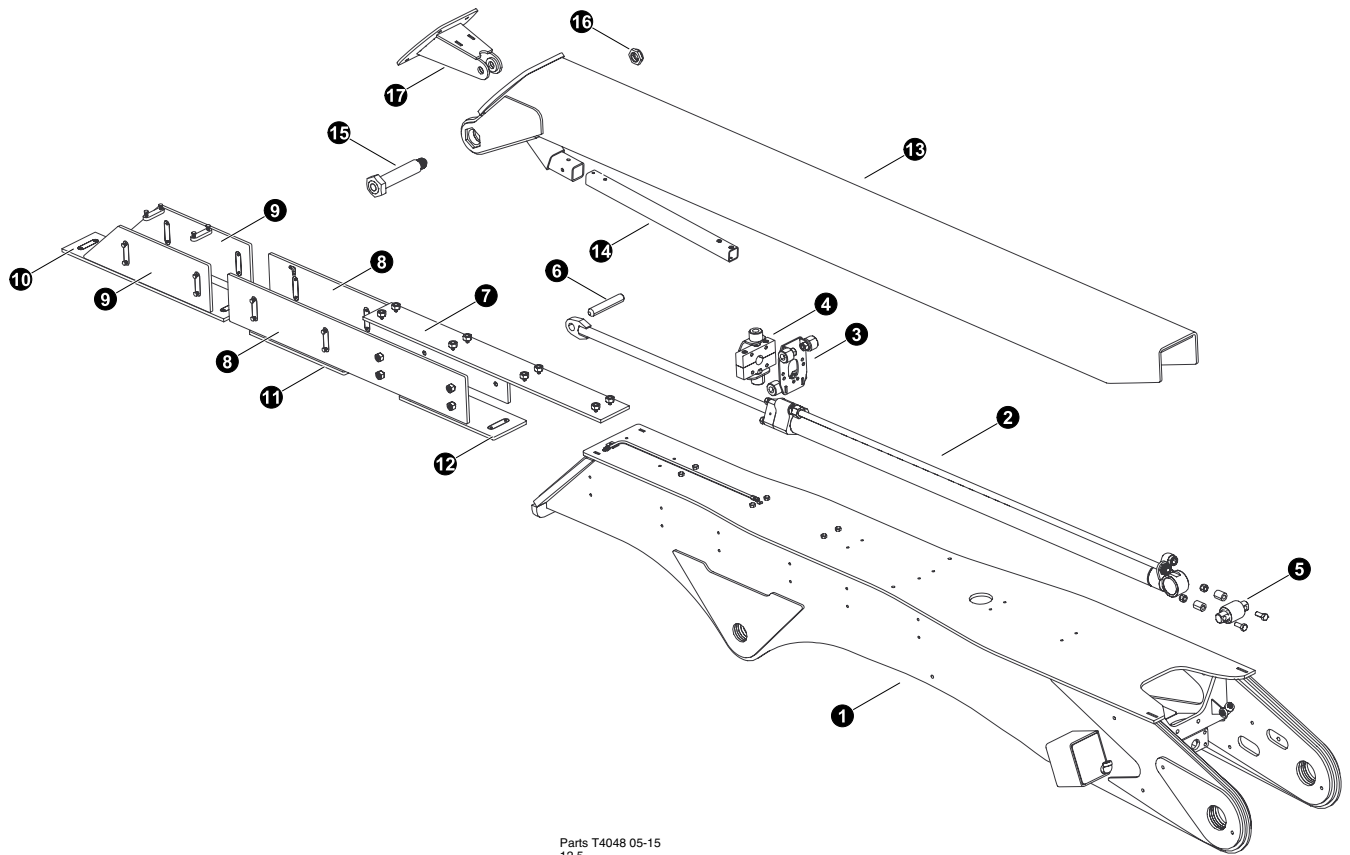
-  See referenced page for component or assembly breakdown.
-  Kit or Assembly - includes all items indented underneath.



# ***Section FB-4***

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***Feller Buncher Booms -  
Heavy Duty Squirt (Tele) Boom***

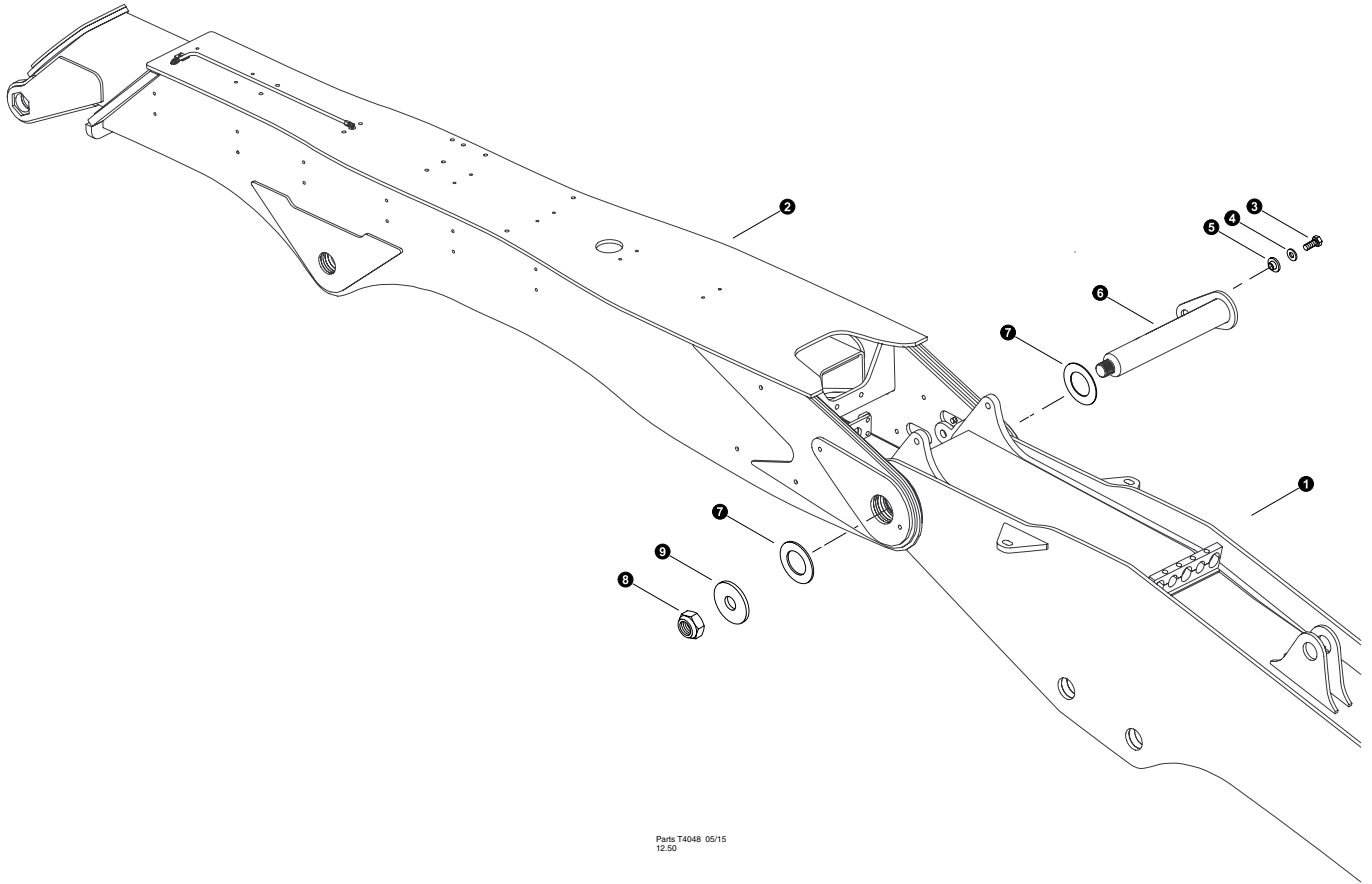


Parts T4048 05-15  
12.5

## SQUIRT BOOM COMPONENTS (heavy Duty)



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	54561-FB	1	<input type="checkbox"/> BOOM, SQUIRT FELLER BUNCHER - HD	
-	18565-FB	2	BUSHING - 3.5" X 2.5"	
2	REF	1	CYLINDER, squirt boom 6' .....	FB-5
3	XB4085-FB	1	Cylinder Mount Plate	
4	XB4082-FB	1	Cylinder Truss	
5	46457-FB	1	Mount Bushing	
6	XB2016-FB	1	PIN	
7	XB3007-FB	1	WEAR PAD	
8	XB3029-FB	1	WEAR PAD	
9	XB3002-FB	1	WEAR PAD	
10	XB3014-FB	1	WEAR PAD	
11	XB3013-FB	1	WEAR PAD	
12	XB3013-FB	1	WEAR PAD	
13	-FB	1	INNER SLIDE	
-	53836-FB	2	BUSHING - 2" X 1.31"	
14	-FB	1	TUBE - 2"	
15	53720a-FB	1	PIN	
16	20811-FB	1	NUT	
17	XB2018-FB	1	MOUNT, CYL ROD	

Kit or Assembly - includes all items indented underneath.

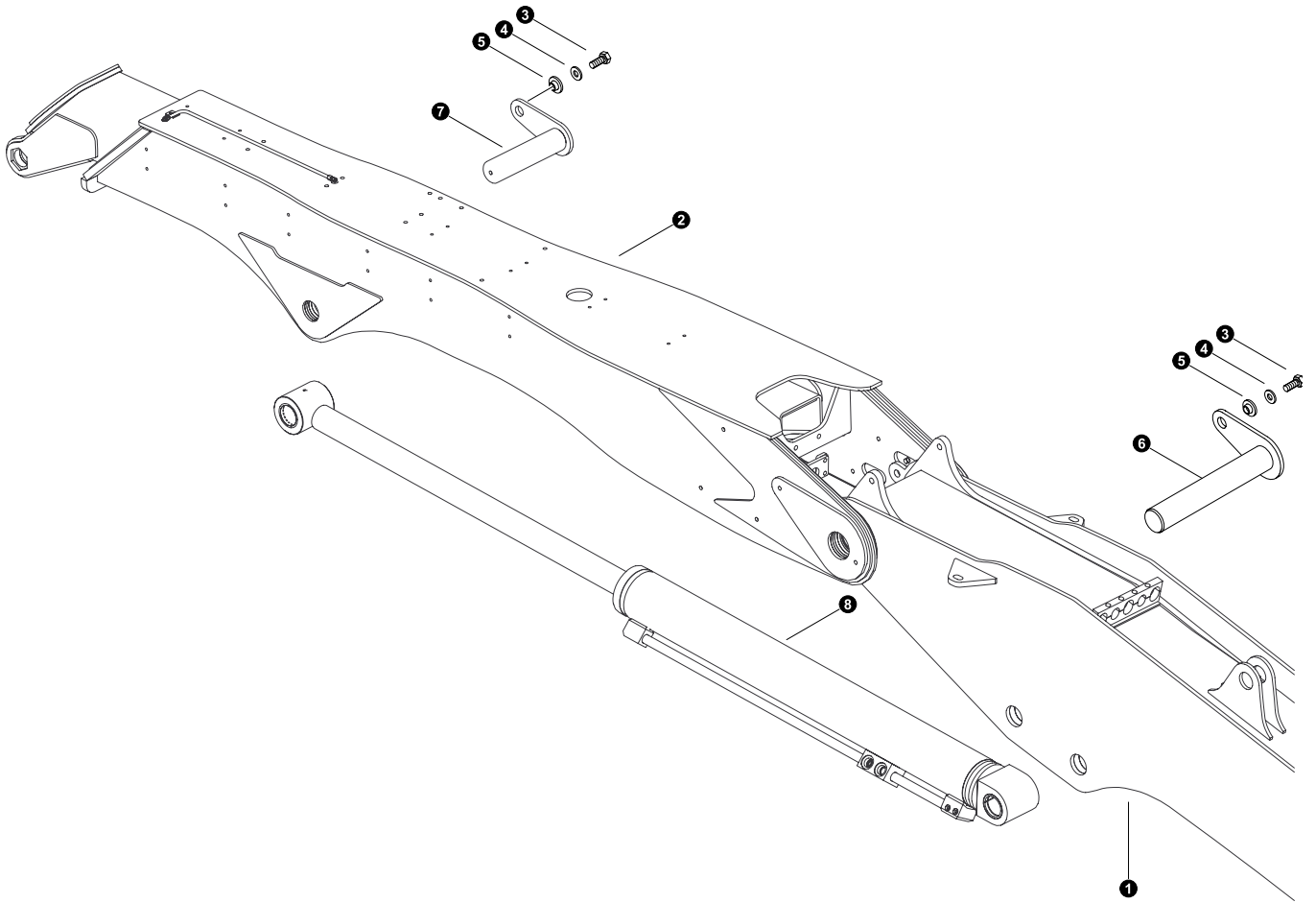


Parts T4048, 05/15  
12.50

## SQUIRTBOOM INSTALLATION




REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	REF.	1	 SQUIRT BOOM ASSEMBLY .....	FB-4
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	51644-FB	1	PIN ASSEMBLY, 3.50 DIA X 21.06 (2" NUT)	
7	18678-FB	AR	SHIM - 7 gauge	
	18679-FB	AR	SHIM - 10 gauge	
	18680-FB	AR	SHIM - 14 gauge	
8	10728-FB	1	NUT, nylock - 2"	
9	19384-FB	1	WASHER, burned	


 See referenced page for component or assembly breakdown.

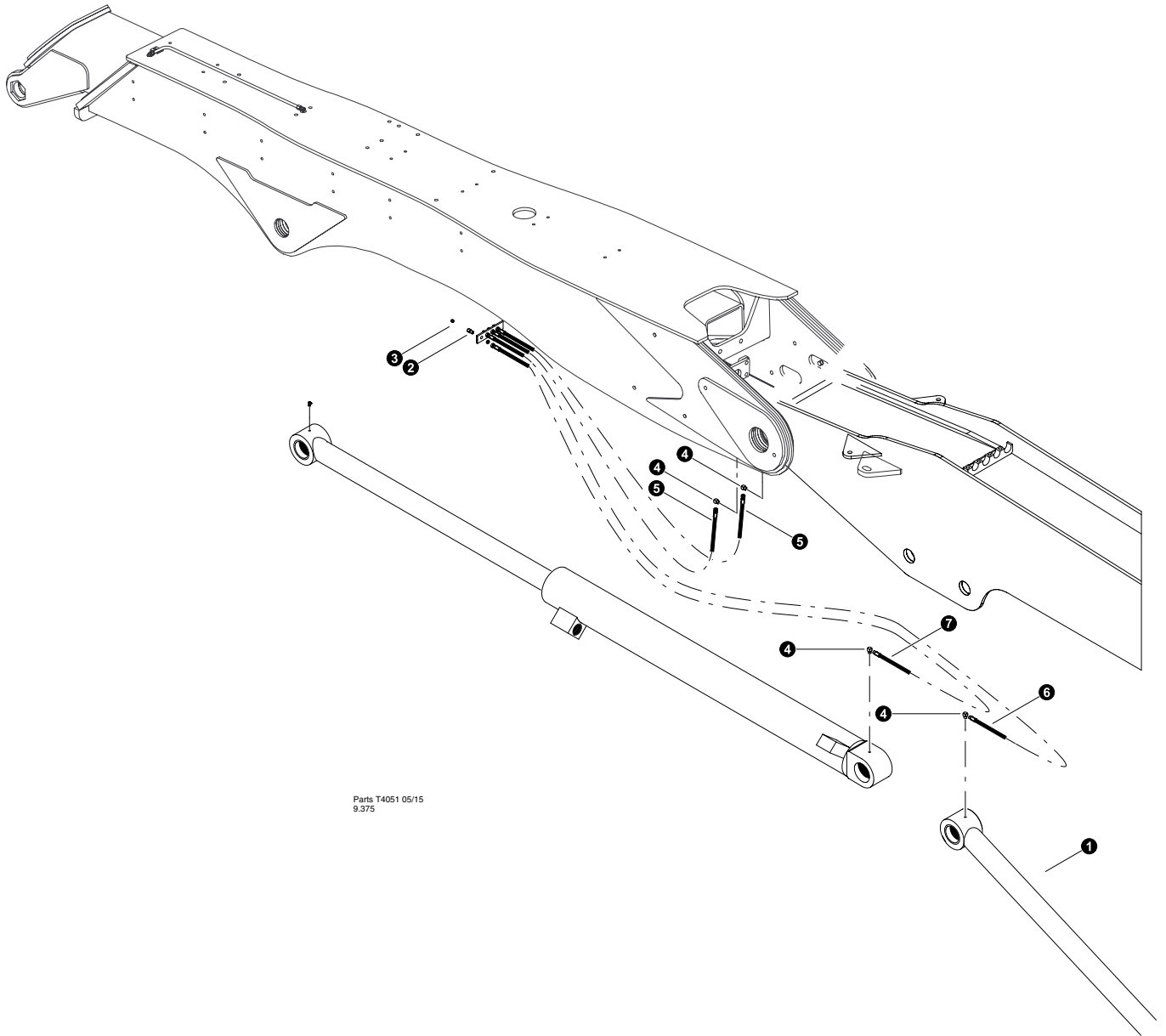


Parts T4042 05/15  
12.5

## SQUIRT BOOM INSTALLATION



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM ASSEMBLY .....	FB-1
2	REF.	1	 SQUIRT BOOM ASSEMBLY .....	FB-4
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	53926-FB	1	PIN ASSEMBLY, 2.99 DIA X 15.38"	
7	50738-FB	1	PIN ASSEMBLY, 2.99 DIA X 10.75"	
8	REF.	1	 STICK BOOM (JIB) CYLINDER .....	FB-5


 See referenced page for component or assembly breakdown.



Parts T4051 05/15  
9.3/75

## Grease Lines Installation

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 MAIN BOOM CYLINDER.....	FB-5
2	REF.	1	 STICK BOOM CYLINDER.....	FB-5
3	15658-FB	4	CONNECTOR, straight bulkhead - 2239-2-4S	
4	10704-FB	4	FITTING, straight grease - 1/8" pipe thread	
5	22281-FB	4	FITTING, 90° - 5546132	
6	-FB	2	HOSE ASSEMBLY 2088-02-02PS-04JS	
7	-FB	1	HOSE ASSEMBLY 2147-02-02PS-04JS	
8	-FB	1	HOSE ASSEMBLY 2138-02-02PS-04JS	

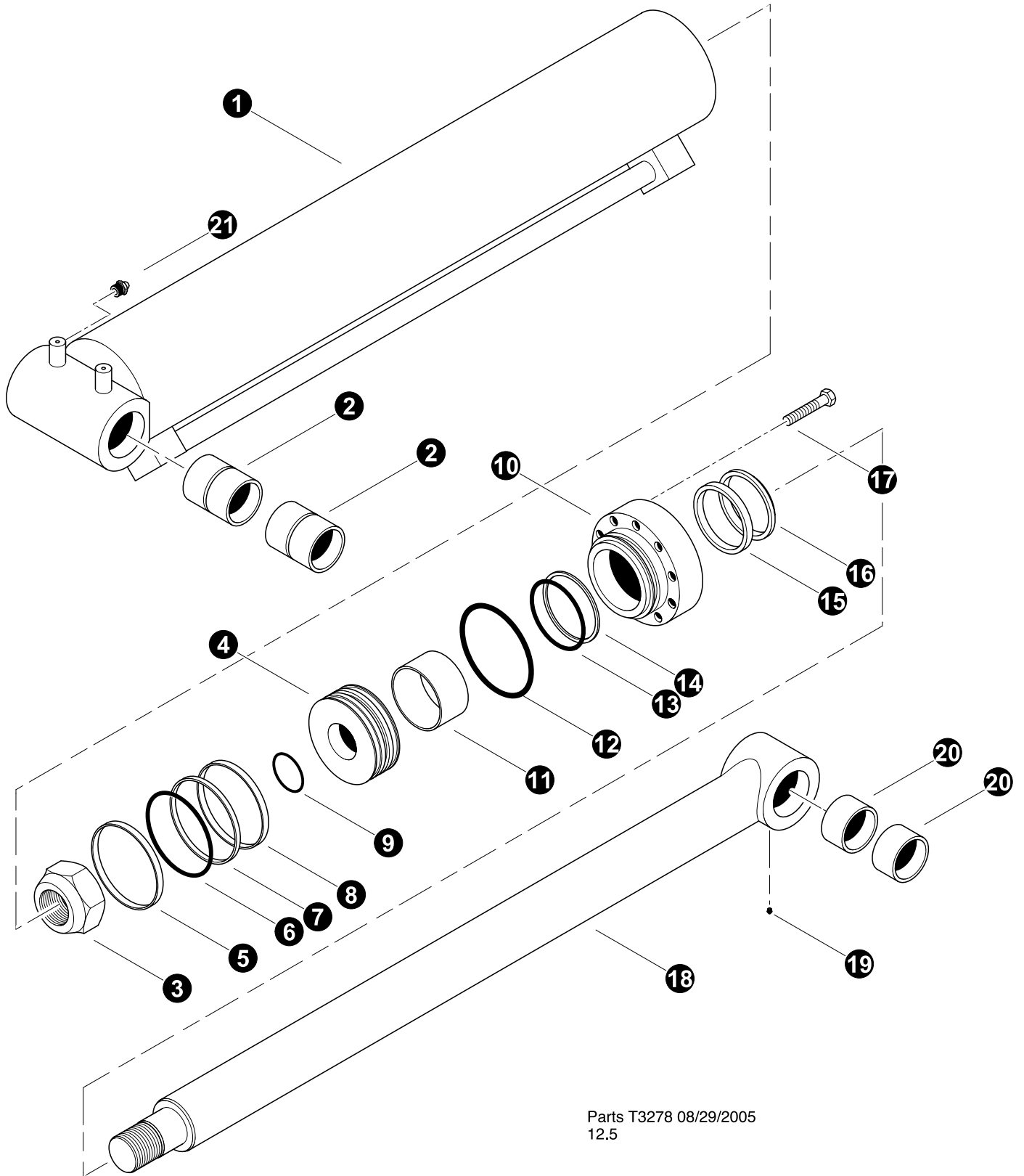
 See referenced page for component or assembly breakdown.



# ***Section FB-5***

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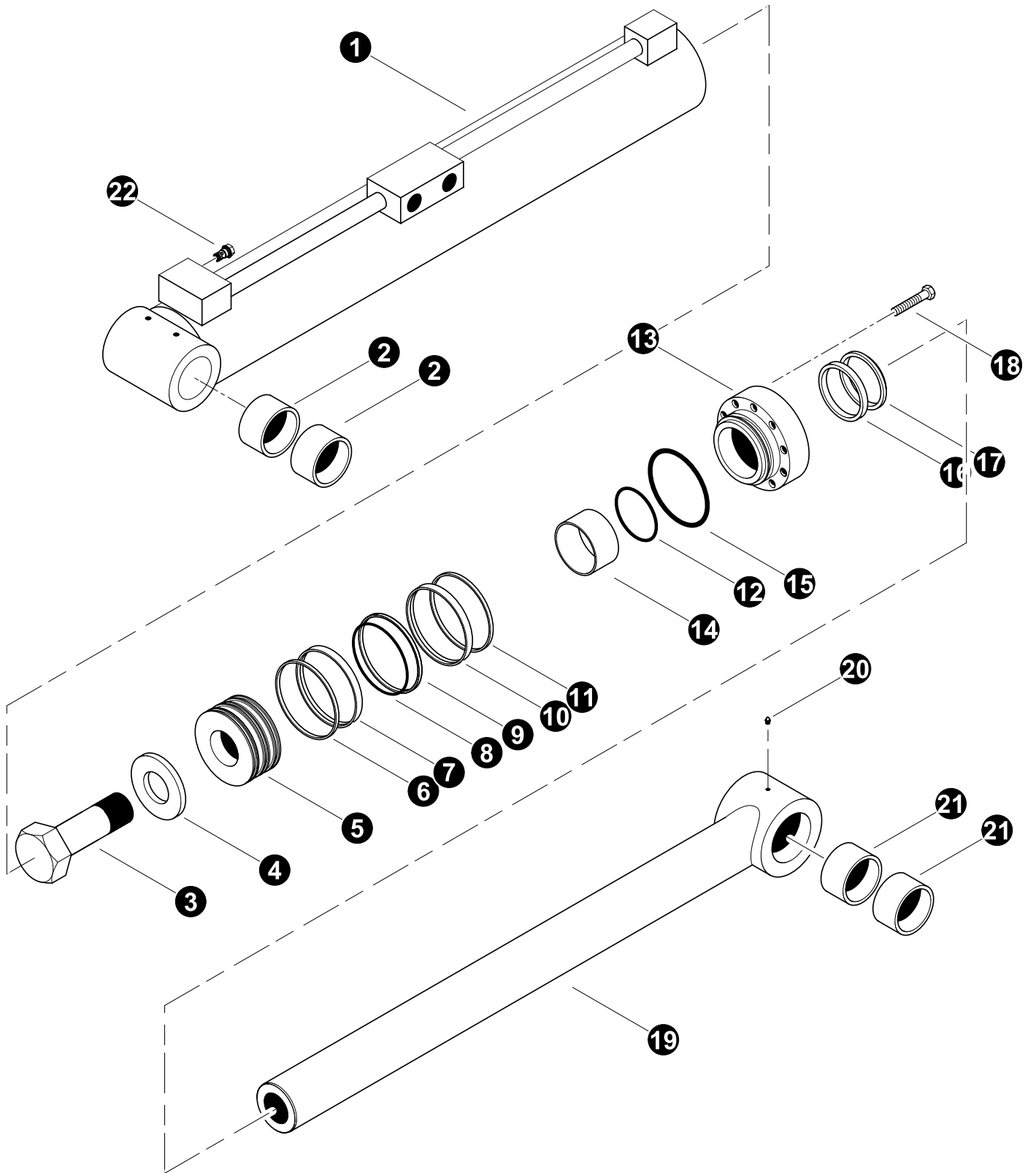
## ***Feller Buncher Booms - Cylinders***



## MAIN BOOM (HOIST) CYLINDER - 6"

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	51975-FB	1	<input type="checkbox"/> MAIN BOOM CYLINDER ASSEMBLY	
1	203314B-FB	1	<input type="checkbox"/> BARREL ASSEMBLY	
2	11706-FB	2	BUSHING - 3" x 4-1/4"	
3	16561-FB	1	NUT, 2.75"-11 (711181A) ( <i>ft.FBs (Nm)</i> )	
4	54587-FB	1	<input type="checkbox"/> PISTON	
5	NSS	1	⌘ RING, piston wear	
6	NSS	1	⌘ O-RING, piston seal backup	
7	NSS	1	⌘ RING, piston wear	
8	NSS	1	⌘ RING, piston wear	
9	NSS	1	⌘ O-RING, piston seal	
10	54588-FB	1	<input type="checkbox"/> BEARING, rod	
11	NSS	1	⌘ RING, rod bearing wear	
12	NSS	1	⌘ O-RING, rod bearing - outer	
13	NSS	1	⌘ RING, rod bearing o-ring backup	
14	NSS	1	⌘ O-RING, rod seal backup	
15	NSS	1	⌘ U-CUP, rod bearing	
16	NSS	1	⌘ WIPER, rod	
17	711001A-FB	12	BOLT - 5/8" x 2-1/4" ( <i>175 ft.FBs (233 Nm)</i> )	
18	54586-FB	1	<input type="checkbox"/> ROD ASSEMBLY	
19	10704-HB	1	FITTING, straight grease - 1/8" pipe thread	
20	42486-HB	2	BUSHING - 3.5" X 3.0" X 3.0" UNDERSIZE	
21	54106-HB	1	FITTING, straight grease - 1/4" pipe	
-	52125-FB	1	KIT, seal repair - main boom cylinder	

- Kit or Assembly - includes all items indented underneath.  
 ⌘ Included in seal repair kit Part # 52125-FB.



Parts T3883 10/28/11  
12.5

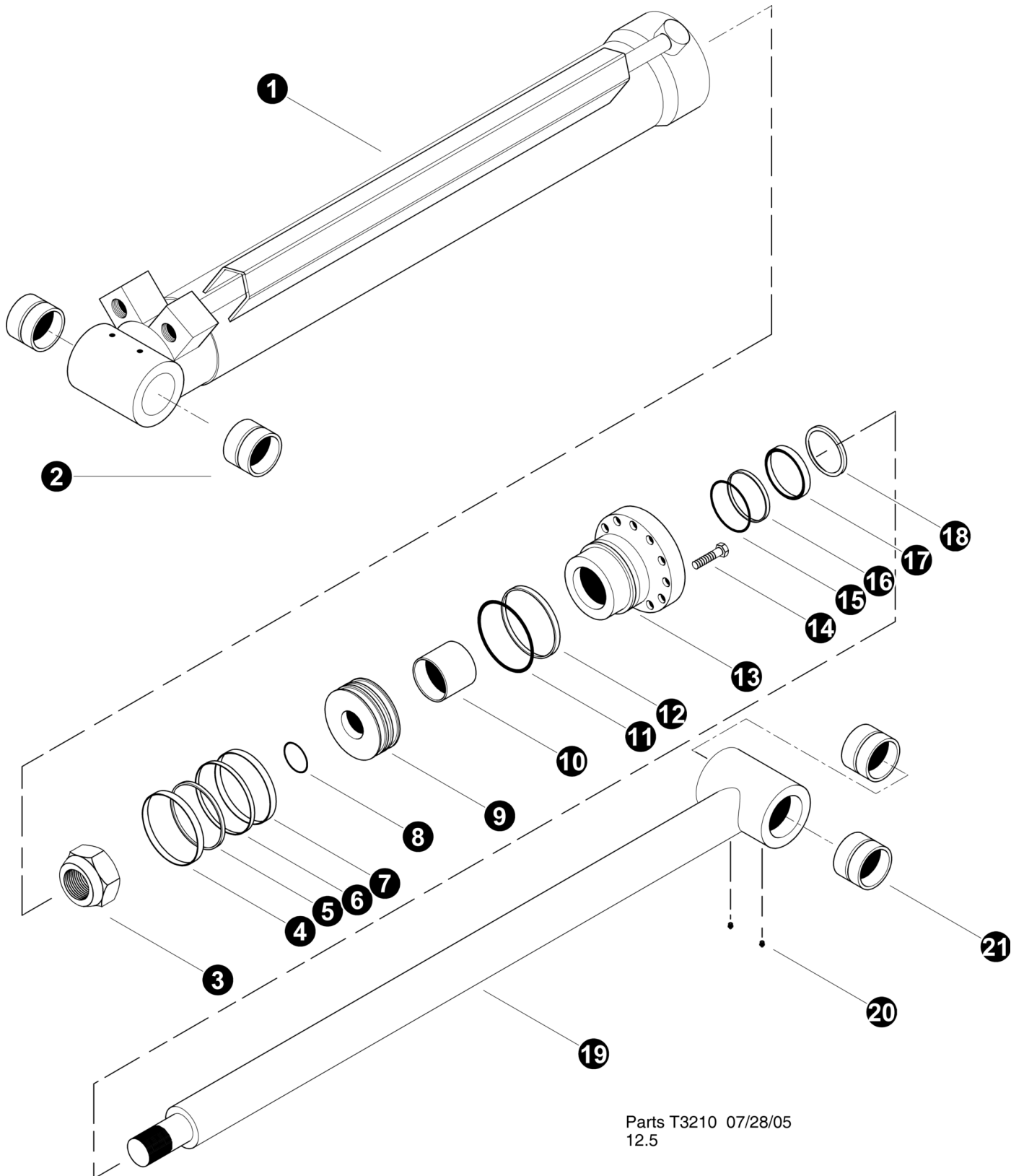
## STICK BOOM (JIB) CYLINDER (5" Dia) **STANDARD**

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

REF	PART #	QTY	DESCRIPTION	SEE PAGE
-	51976-FB	1	<input type="checkbox"/> CYLINDER, STICK - FB (725C-735C) 5.0"DIA	
1	52880-FB	1	<input type="checkbox"/> BARREL ASSEMBLY (203320B)	
2	42486-FB	2	BUSHING - 3.5" X 3.0" X 3.0" UNDERSIZE	
3	19956-FB	1	BOLT, cylinder rod - 2" ( <b>4002 ft*lbs (3600 Nm) with Loctite 243</b> )	
4	718032A-FB	1	WASHER,	
5	53904-FB		PISTON	
6	NSS	1	⌘ RING, piston seal	
7	NSS	1	⌘ RING, piston wear	
8	NSS	1	⌘ O-RING, piston seal backup	
9	NSS	1	⌘ RING, piston seal	
10	NSS	1	⌘ RING, piston wear	
11	NSS	1	⌘ RING, piston seal	
12	NSS	1	⌘ O-RING	
13	53905-FB	1	BEARING, rod	
14	NSS	1	⌘ RING, rod bearing wear	
15	NSS	1	⌘ O-RING, rod bearing	
16	NSS	1	⌘ U-CUP, rod bearing	
17	NSS	1	⌘ WIPER, rod	
18	711001A-FB	1	BOLT, rod bearing ( <b>175 +/- 5 ft.FBs. (237 Nm)</b> )	
19	53903-FB	1	<input type="checkbox"/> ROD ASSEMBLY (301980B)	
20	10704-FB	1	FITTING, straight grease - 1/8" pipe thread	
21	42486-FB	2	BUSHING - 3.5" X 3.0" X 3.0" UNDERSIZE	
22	-FB	1	CARTRIDGE, Sun T162A, CNAC-XCN .062	
-	52117-FB	1	KIT, seal repair - stick boom cylinder (See Note Below)	

Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit Part # 52117-FB.



Parts T3210 07/28/05  
12.5

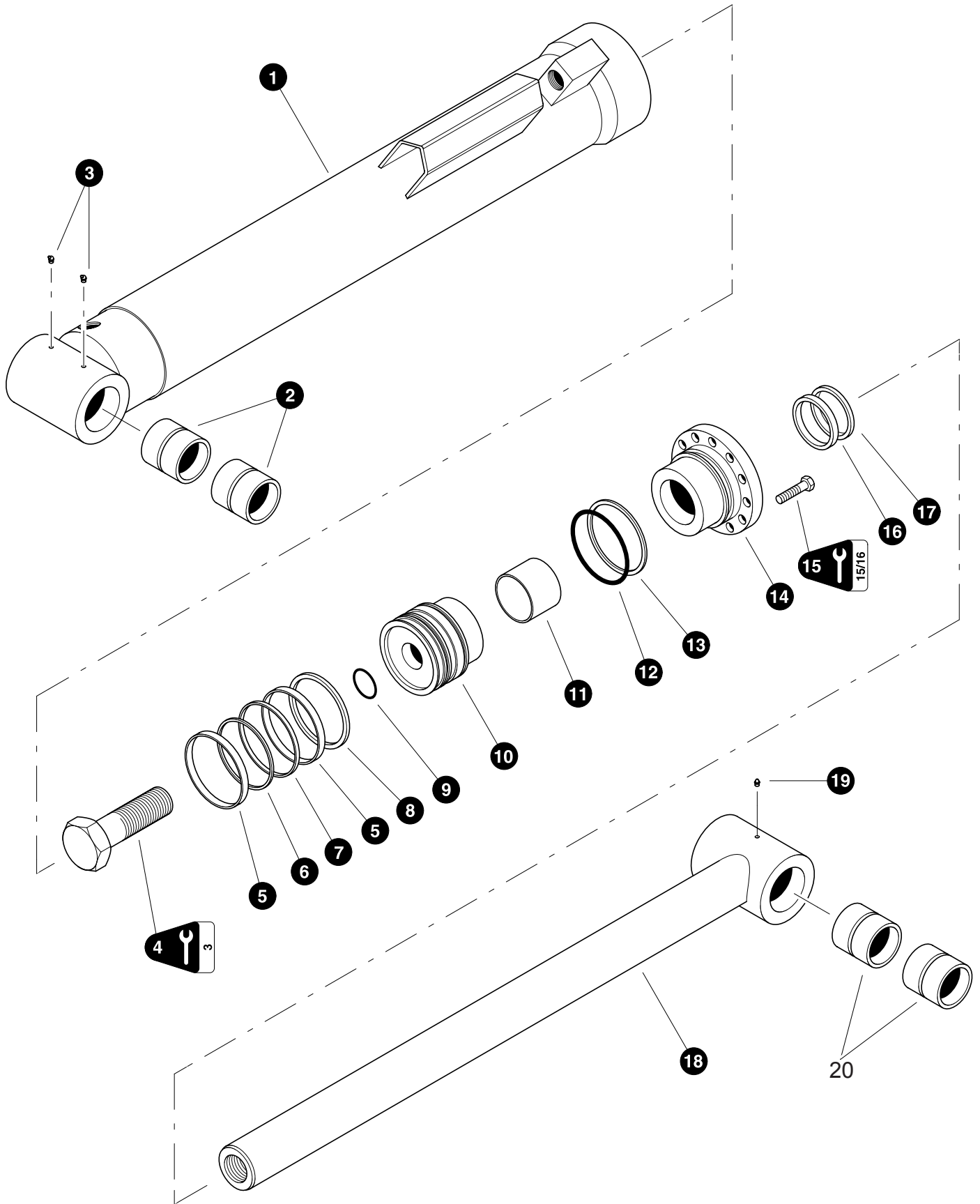
## STICK BOOM (JIB) CYLINDER (5.5" Dia) **HEAVY DUTY**

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

REF	PART #	QTY		DESCRIPTION	SEE PAGE
-	55270-FB	1	☐	CYLINDER, STICK - FB (745C) 5.5" DIA.	
1	-FB	1	☐	BARREL ASSEMBLY (204071B)	
2	14241-FB	2		BUSHING 2.5" X 3"	
3	15287-FB	1		NUT, cylinder rod - 2" NF ( <b>Torque to 2700 +/- 200 ft.FBs. (3600 +/- 265 Nm)</b> )	
4	NSS	1	⌘	RING, piston	
5	NSS	1	⌘	RING, backup piston	
6	NSS	1	⌘	RING, piston	
7	NSS	1	⌘	RING, piston	
8	NSS	1	⌘	O-RING, piston	
9	-FB	1		PISTON ASSY (400802B)	
10	NSS	1	⌘	RING, rod bearing wear	
11	NSS	1	⌘	O-RING, rod bearing	
12	NSS	1	⌘	RING, rod bearing back-up	
13	-FB	1		BEARING, rod (500761B)	
14	-FB	16		BOLT - 5/8" ( <b>Torque to 175 ft.FBs (233 Nm)</b> )	
15	NSS	1	⌘	RING, rod bearing back-up	
16	NSS	1	⌘	RING, rod bearing	
17	NSS	1	⌘	U-CUP, rod bearing	
18	NSS	1	⌘	WIPER, rod	
19	-FB	1	☐	ROD ASSEMBLY (302752B)	
20	10704-FB	1		FITTING, straight grease - 1/8" pipe thread	
21	14241-FB	2		BUSHING 2.5" X 3"	
-	431082B-FB	1	⌘	KIT, SEAL REPAIR - STICK CYL	

☐ Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit Part # 431082B

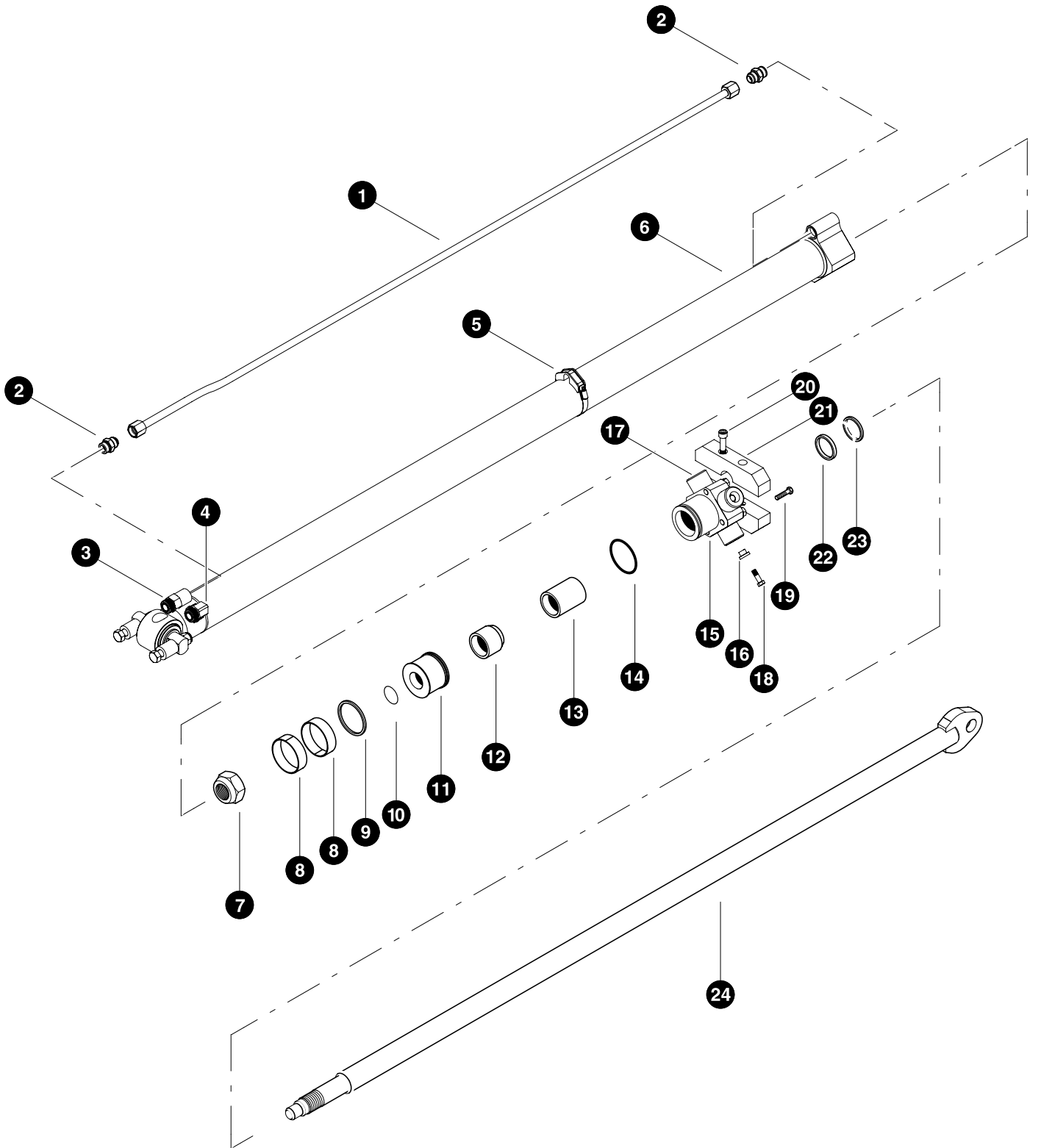


**TOOL TILT CYLINDER****(Used With 4-Bar Linkage)(Jarp)**

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	54398-FB	1	<input type="checkbox"/>	CYLINDER, TOOL TILT (3" ROD/2.5" BASE)	
1	22985-FB	1	<input type="checkbox"/>	BARREL ASSEMBLY	
2	14241-FB	2		BUSHING - 2-1/2" x 3"	
3	15683-FB	2		FITTING, 45 grease - 1/8" pipe thread	
4	24563-FB	1		BOLT, PISTON RETAINING <b>(4002 ft*lbs (3600 Nm) with Loctite 243)</b>	
5	NSS	2	<input type="checkbox"/>	RING, piston wear	
6	NSS	1	<input type="checkbox"/>	RING, piston square	
7	NSS	1	<input type="checkbox"/>	RING, piston chem-cast	
8	NSS	1	<input type="checkbox"/>	RING, piston wear	
9	NSS	1	<input type="checkbox"/>	O-RING, piston	
10	22986-FB	1		PISTON	
11	NSS	1	<input type="checkbox"/>	RING, rod bearing wear	
12	NSS	1	<input type="checkbox"/>	O-RING, rod bearing	
13	NSS	1	<input type="checkbox"/>	RING, rod bearing back-up	
14	24562-FB	1		BEARING, rod	
15	15681-FB	12		BOLT - 5/8" x 2-1/4" <b>(175 ft.FBs (233 Nm))</b>	
16	NSS	1	<input type="checkbox"/>	U-CUP, rod bearing	
17	NSS	1	<input type="checkbox"/>	WIPER, rod	
18	54393-FB	1	<input type="checkbox"/>	ROD ASSEMBLY	
19	10704-FB	1		FITTING, straight grease - 1/8" pipe thread	
20	54397-FB	2		BUSHING - 3" x 3"	
-	22988-FB	1		KIT, seal repair - tool tilt cylinder	

Kit or Assembly - includes all items indented underneath.

⌘ Included in seal repair kit Part # 22988-FB.



Parts T2754 07/14/2003  
12.50

## SQUIRT BOOM CYLINDER

REF	PART #	QTY		DESCRIPTION	SEE PAGE
-	51008-FB	1	☐	CYLINDER, 6' squirt	
1	---	1		TRANSFER TUBE (Jarp - 281266a)	
2	---	1		CONNNECTOR, STR 10 orb X 10 jic	
3	---	1		CONNNECTOR, STR	
4	---	1		EFBOW, 90	
5	---	1		CLAMP (ideal 6864)	
	---	1		GROMMET - (CAT #9R2004)	
6	51028-FB	1		BARREL ASSEMBLY	
7	51032-FB	1		NUT (712118A)	
8	---	1	⌘	RING, piston - wear	
9	---	1	⌘	RING, piston - square	
10	---	1	⌘	O-RING, piston	
11	51030-FB	1		PISTON	
12	---	1		CUSHION SLEEVE	
13	---	1		BUSHING, rod bearing (bronze)	
14	---	1	⌘	O-RING, rod bearing	
15	51031-FB	1		BEARING, rod	
16		4		Retainer sleeve (XB3019) (8" SLIDE TUBE)	
17		4		puck - cylinder support 2"OD x 1/2" thick (XB3017) (6" SLIDE TUBE)	
17		4		puck - cylinder support 2"OD x 1.4" thick (XB3018) (8" SLIDE TUBE)	
18		4		screw 3/8 x 3/4 FHCS brass (XB5001) (6" SLIDE TUBE)	
18		4		Capscrew 3/8"-16 x 1.5 hex head Gr 5 - (8" SLIDE TUBE)	
19	---	4		BOLT - (711206A)	
20		2		Capscrew 1/2"-13 x 3 socket head	
21		1		truss - cylinder support (XB4079) (6" SLIDE TUBE)	
21		1		truss - cylinder support (XB4080) (8" SLIDE TUBE)	
22	---	1	⌘	U-CUP, rod bearing	
23	---	1	⌘	WIPER, rod	
24	51029-FB	1		ROD ASSEMBLY	
-	51033-FB	1		KIT, seal repair - boom extension cylinder	

☐ Kit or Assembly - includes all items indented underneath.

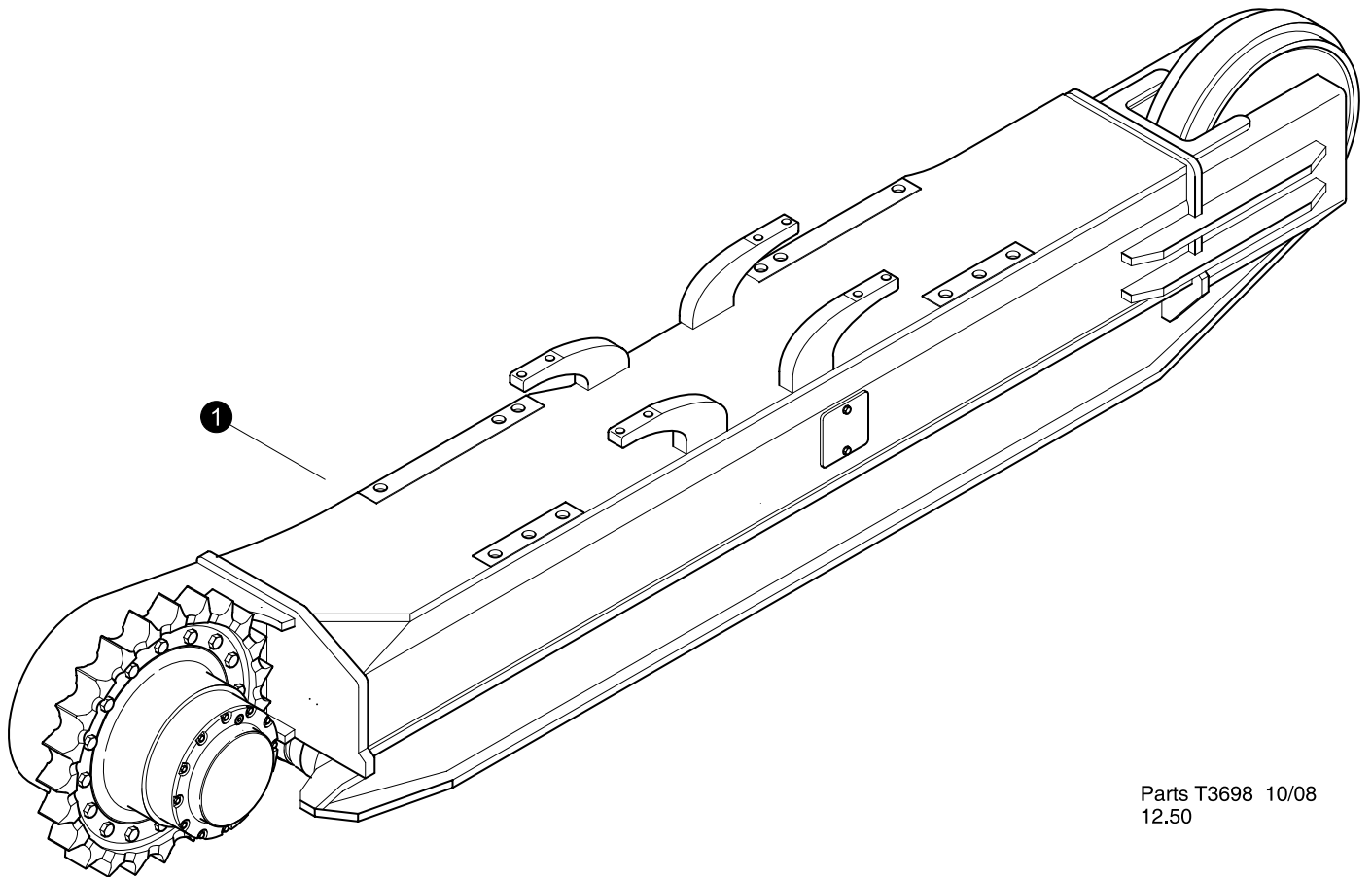
⌘ Included in seal repair kit Part # 51033-FB



# ***Section TS-1***

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## ***Track Systems - 725 Undercarriage***

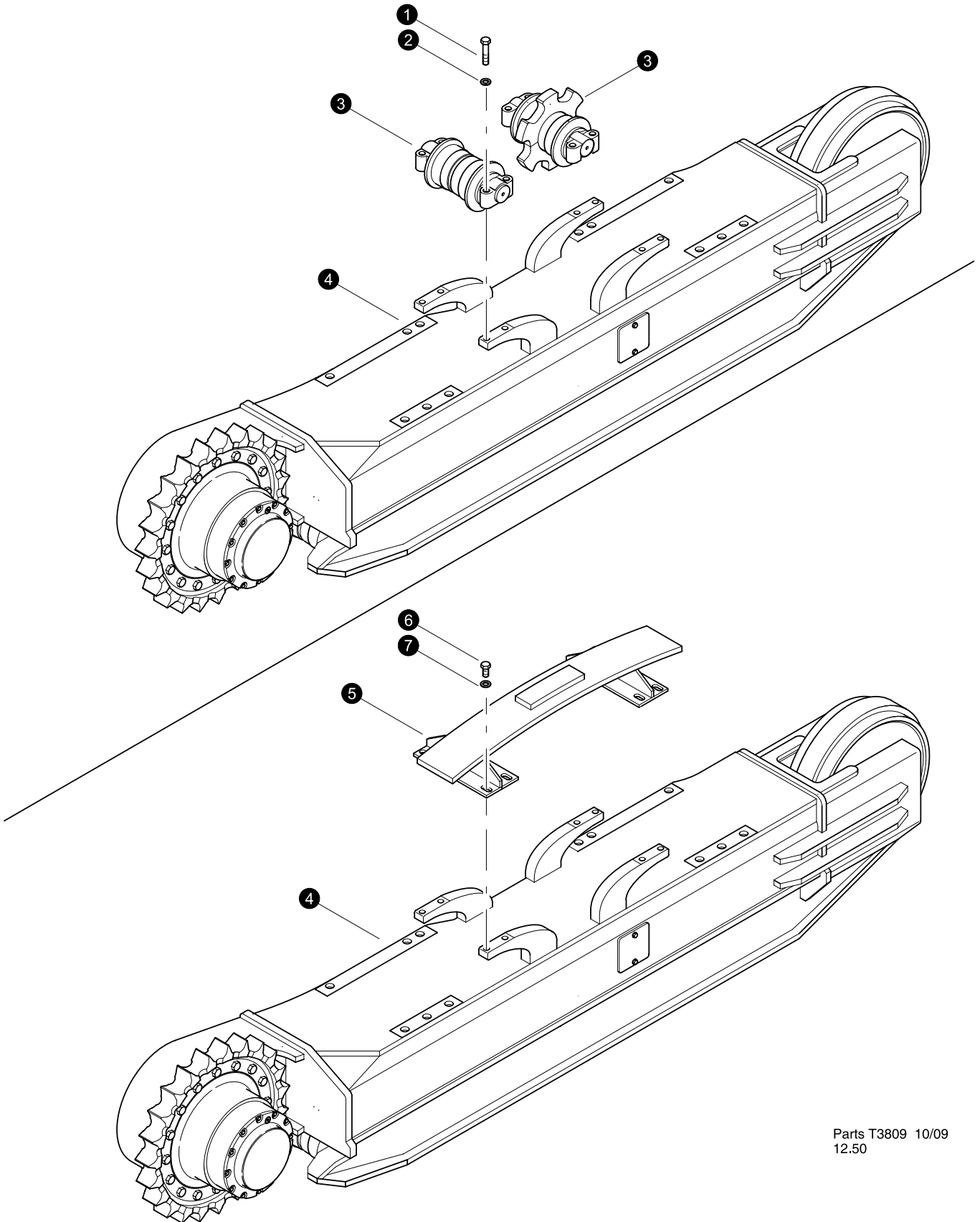


Parts T3698 10/08  
12.50

## TRACK FRAME ASSEMBLY

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	53096-TS	1	<input type="checkbox"/>	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.

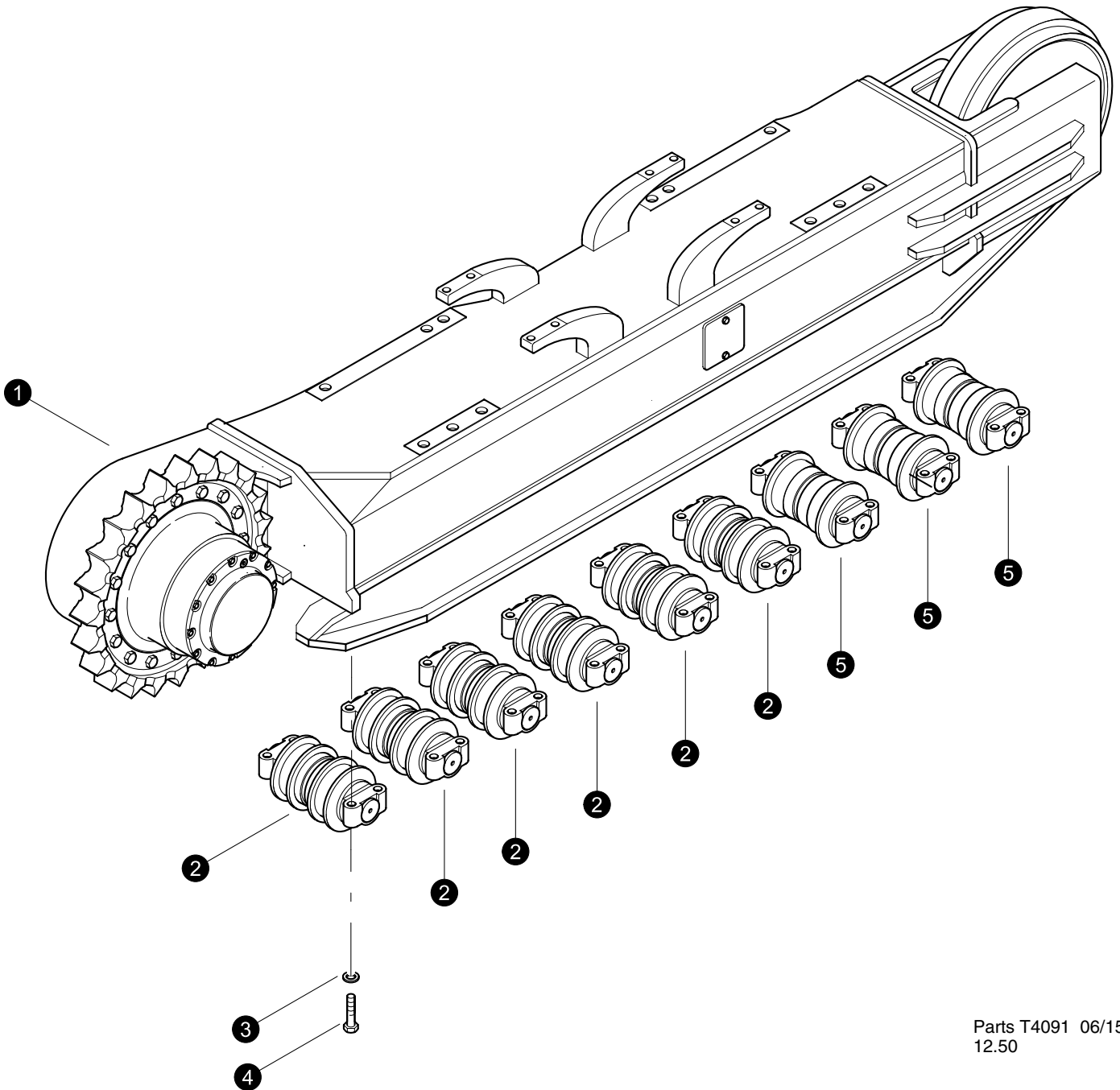


Parts T3809 10/09  
12.50

## 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.



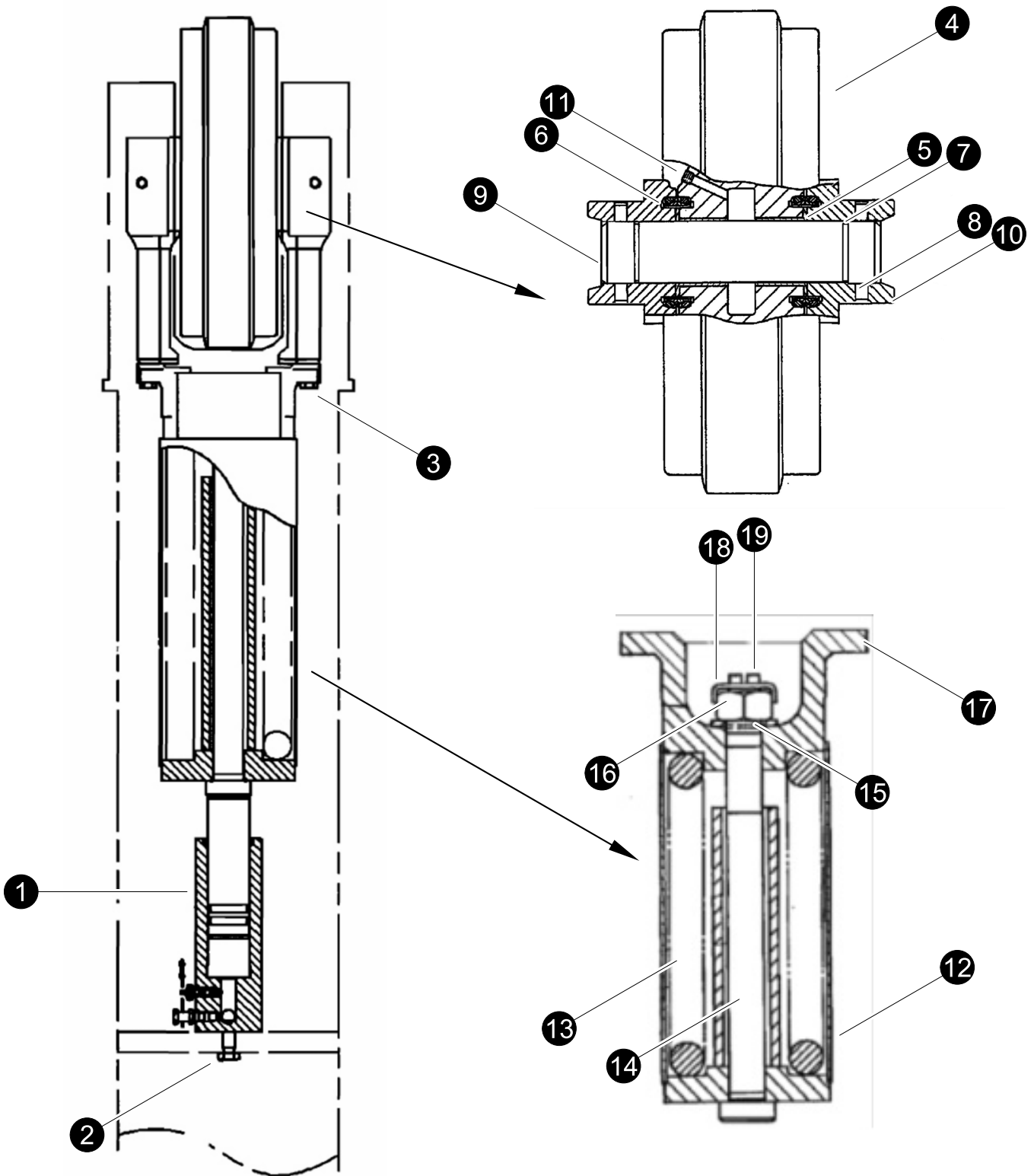
Parts T4091 06/15  
12.50

## 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.



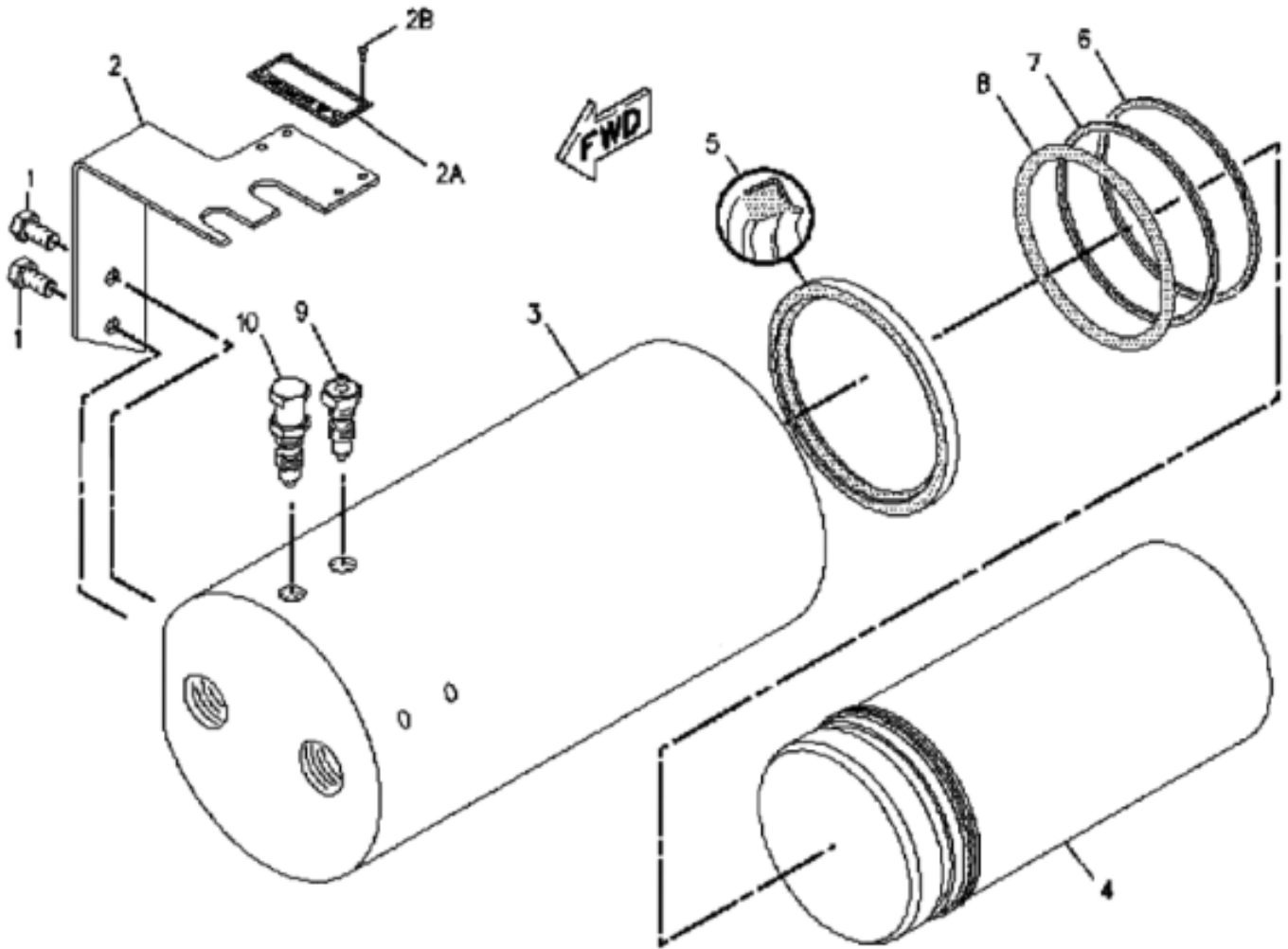
Parts T3695 10/08  
12.50

## 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	<input type="checkbox"/> FRONT IDLER ASSEMBLY	
-	115-7471-TS	1	<input type="checkbox"/> 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.



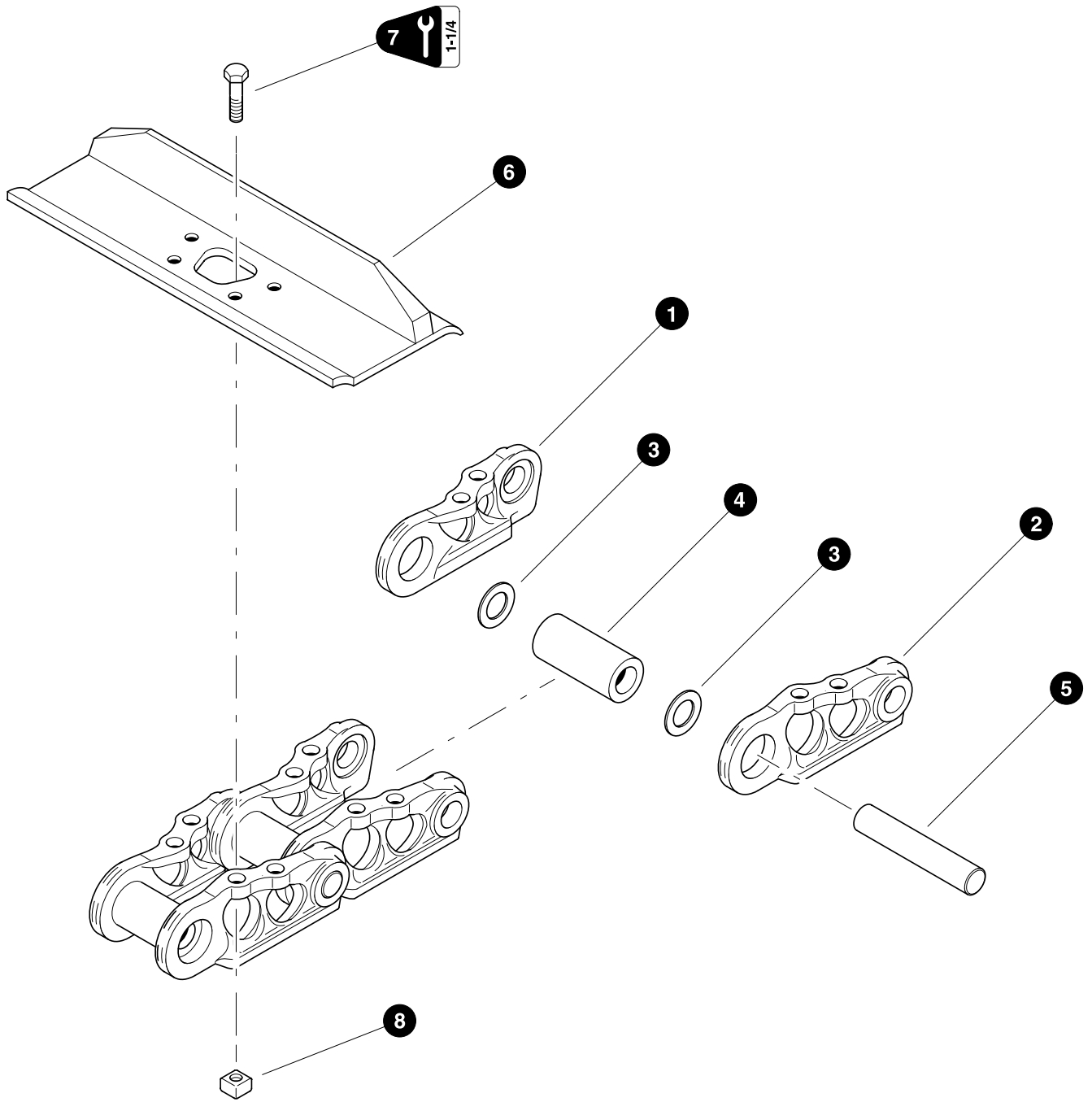
Parts T3696 10/08  
12.50

## TRACK FRAME ASSEMBLY

### (Idler Adjustment Cylinder)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	102-8109-TS	1	<input type="checkbox"/> IDLER ADJUSTMENT GROUP	
1	8T-4191-TS	2	BOLT,	
2	113-2824-TS	1	<input type="checkbox"/> 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.



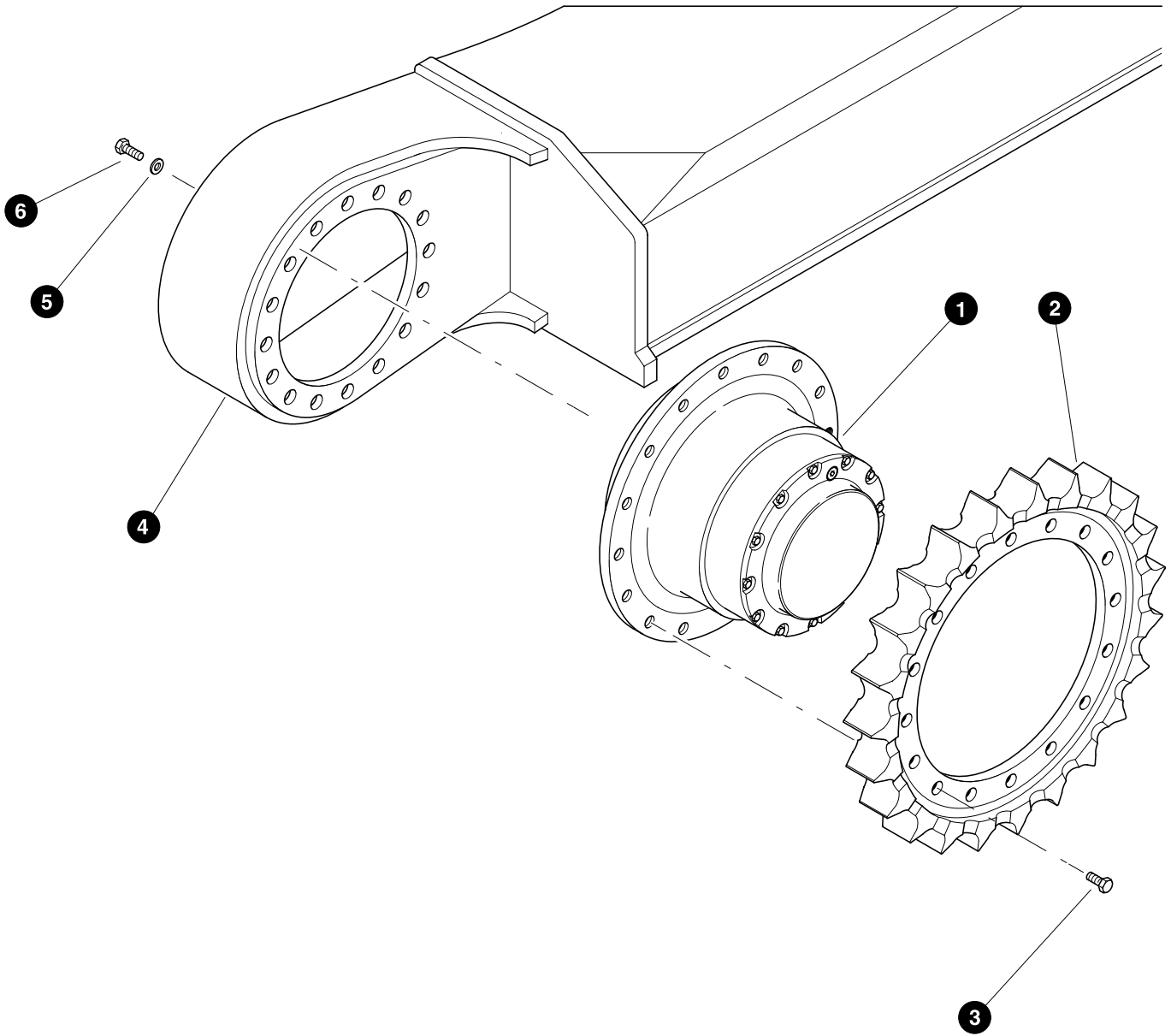
**TRACK FRAME ASSEMBLY**  
**(chain and track pads)**  
**Standard - short track**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	53098-TS	1	<input type="checkbox"/> TRACK, RAIL W/600 SINGLE (45 LINKS) CAT	
-	52857-TS	1	<input type="checkbox"/> TRACK, RAIL W/600 DOUBLE (45 LINKS) CAT	
-	53099-TS	1	<input type="checkbox"/> TRACK, RAIL W/700 SINGLE (45 LINKS) CAT	
-	53097-TS	1	<input type="checkbox"/> 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	<input type="checkbox"/> TRACK, RAIL W/600 SINGLE (48 LINK) CAT	
-	52647-TS	1	<input type="checkbox"/> TRACK, RAILS W/700 SINGLE (48) CAT	
-	53630-TS	1	<input type="checkbox"/> 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

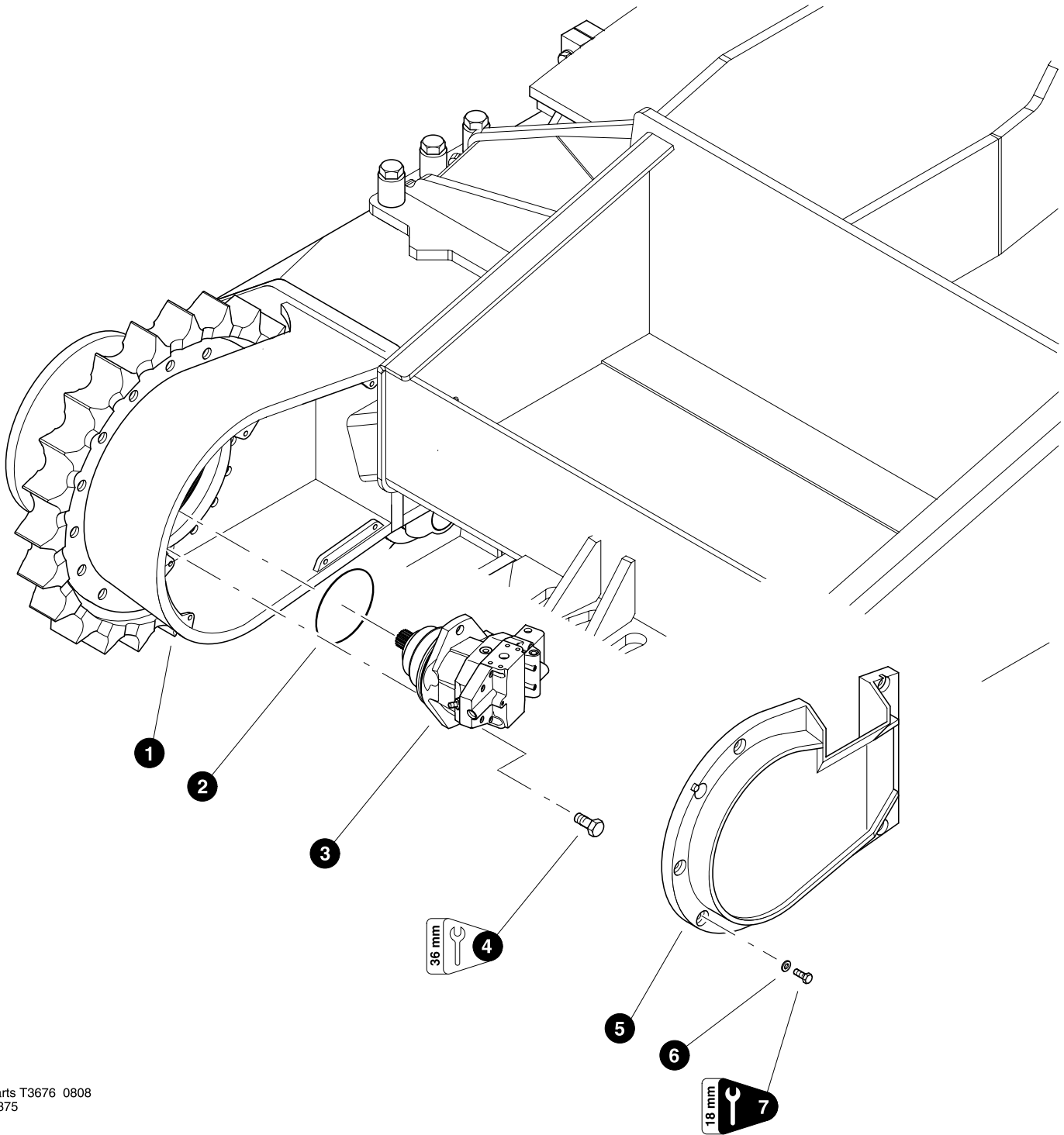
### (Final Drive - Installation)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	FINAL DRIVE ASSEMBLY .....	TS-1-15
2	21378-TS	1	SPROCKET, FINAL DRVE (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.

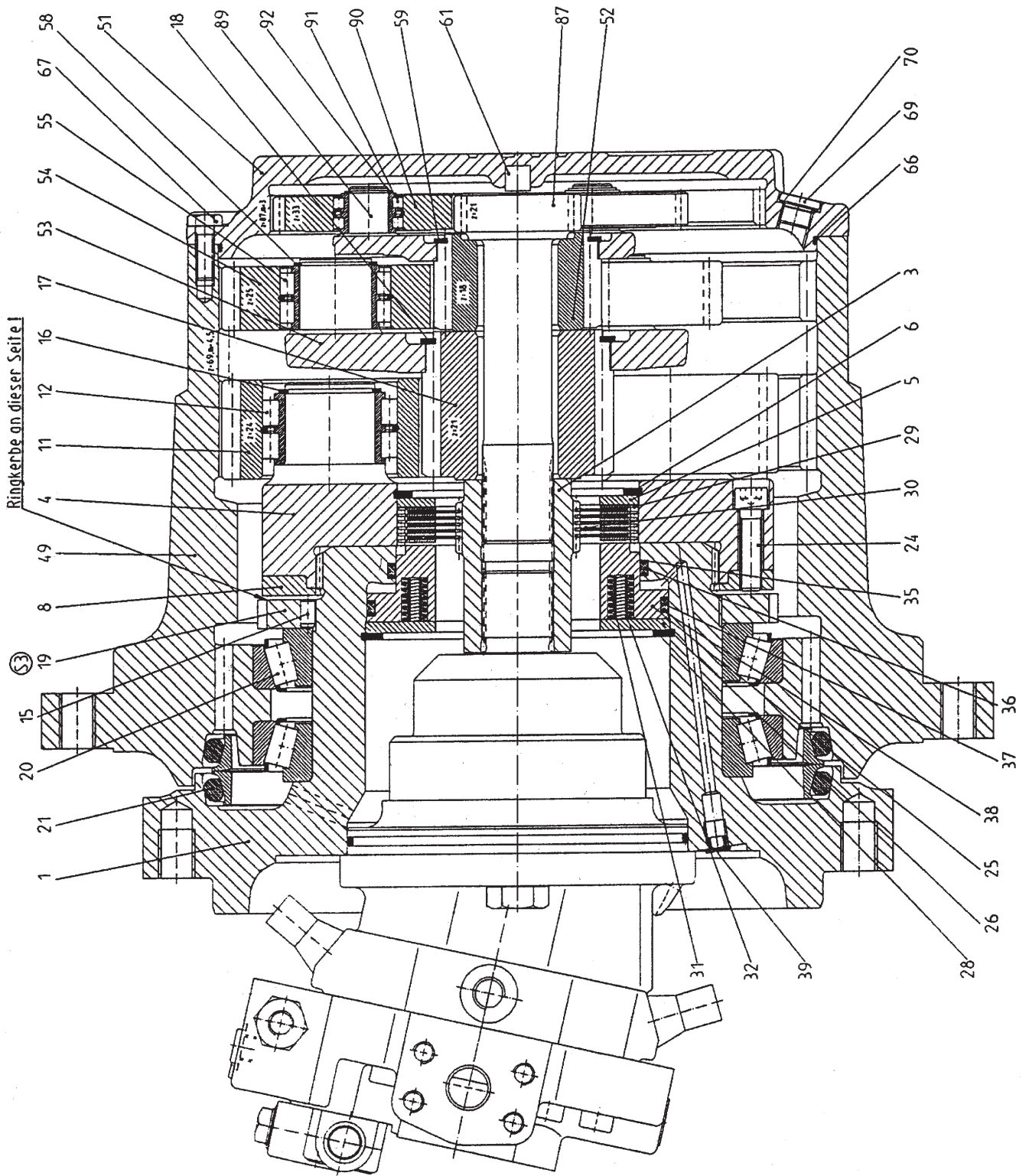


Parts T3676 0808  
9.375

## 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	

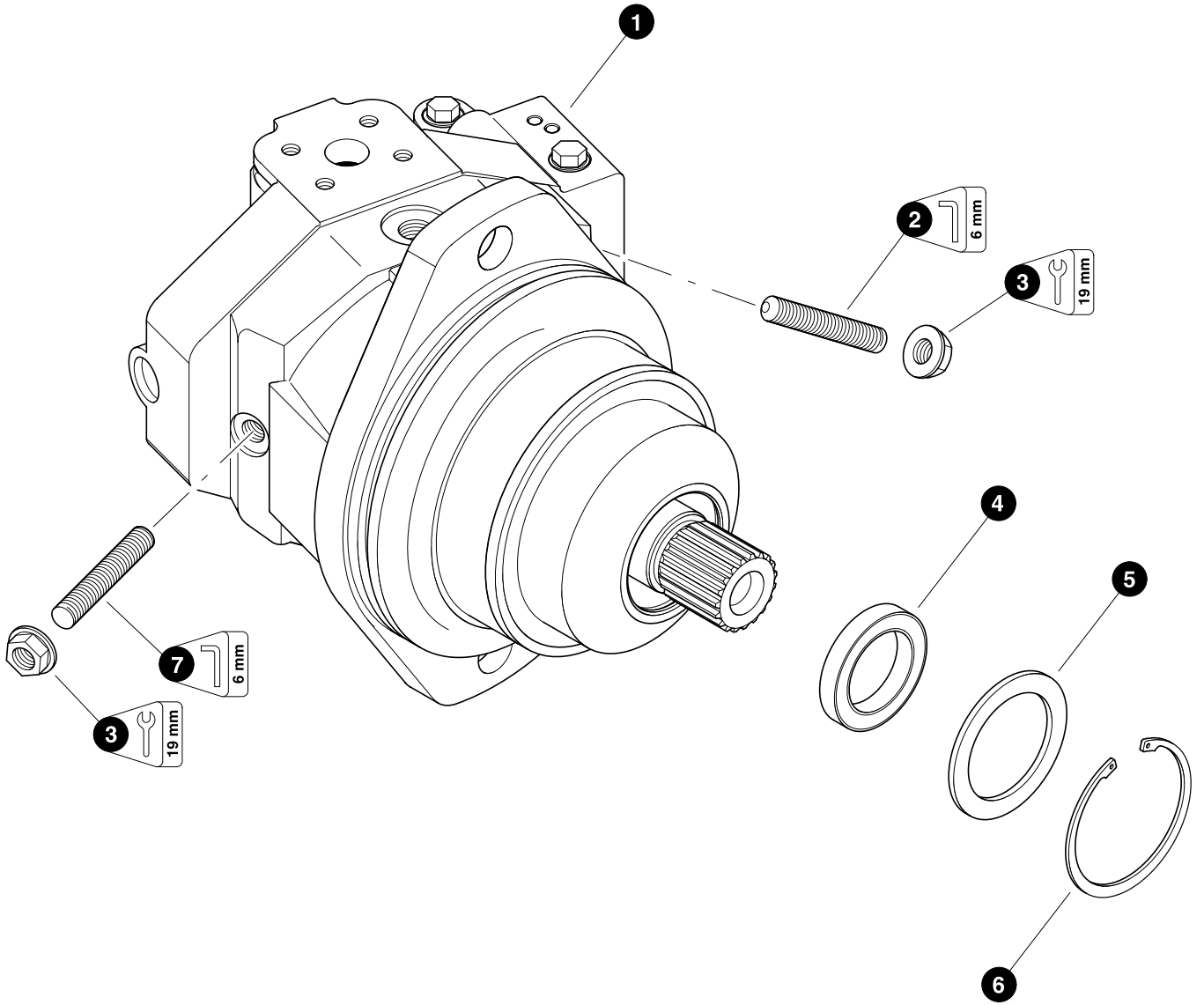
 See referenced page for component or assembly breakdown.



Parts 02060 03/12/2001  
6.25

**TRACK FRAME ASSEMBLY****(Final Drive - Lohmann/Rexroth)**

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	19973	2	<input type="checkbox"/> 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 refered 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	
<input type="checkbox"/>	Kit or Assembly - includes all items indented underneath.			

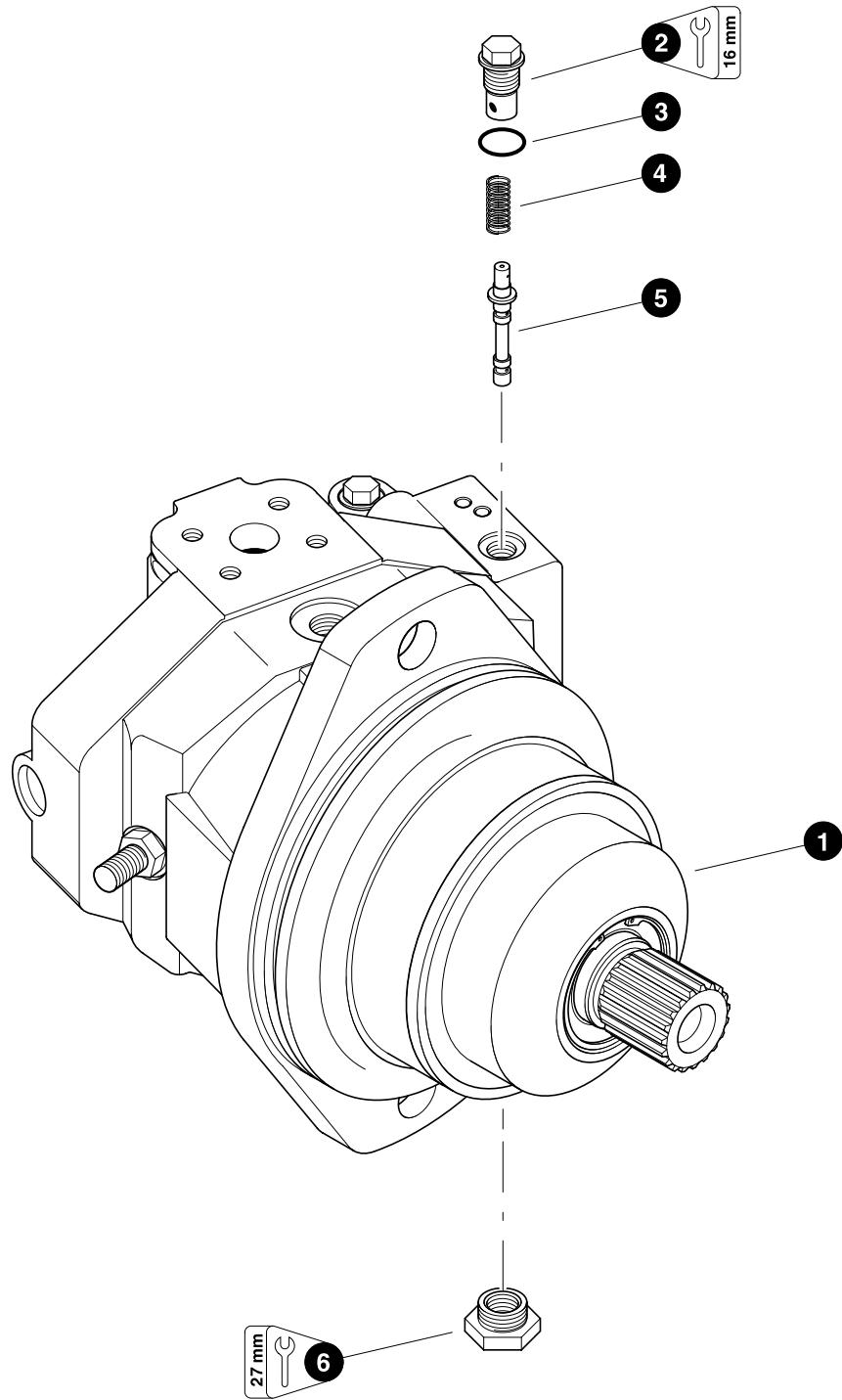


## TRACK FRAME ASSEMBLY

### (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)

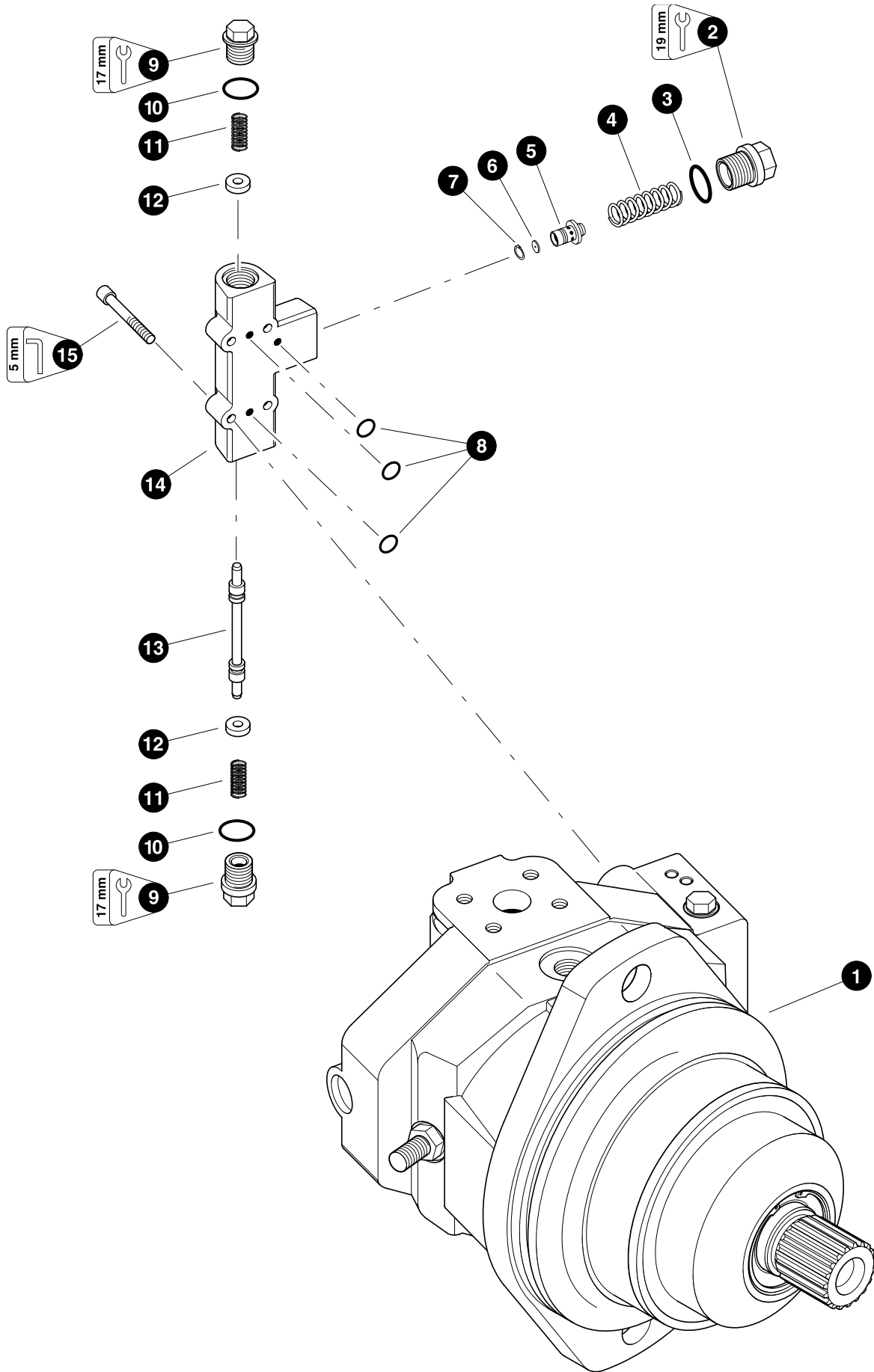
REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	REF	1	☐	MOTOR, TRACK 725 .....	TS-2-20
2	21637-TS	1		PLUG, stroker cover	
3	20720-TS	2	⊗	O-RING, Stroker cover plug	
4	21639-TS	1		SPRING, stroker cover	
5	21640-TS	1		SPOOL, stroker cover	
6	21641-TS	1		BUSHING, reducer	
-	21635-TS	1		KIT, SEAL REPAIR - REXROTH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

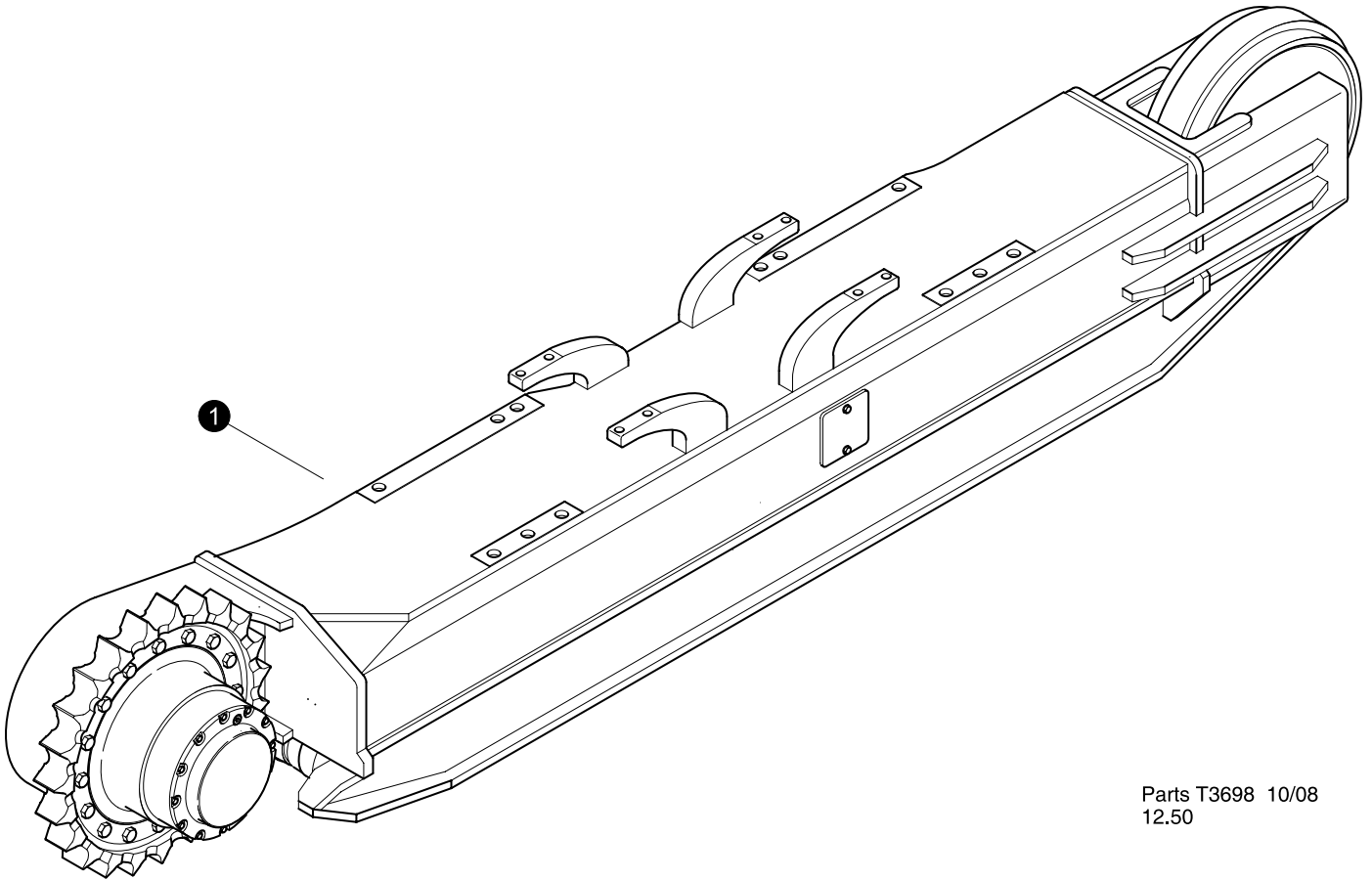
- ☐ Kit or Assembly - includes all items indented underneath.  
 ⊗ Included in seal repair kit part number 21636-TS



# ***Section TS-2***

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## ***Track Systems - 735 Undercarriage***

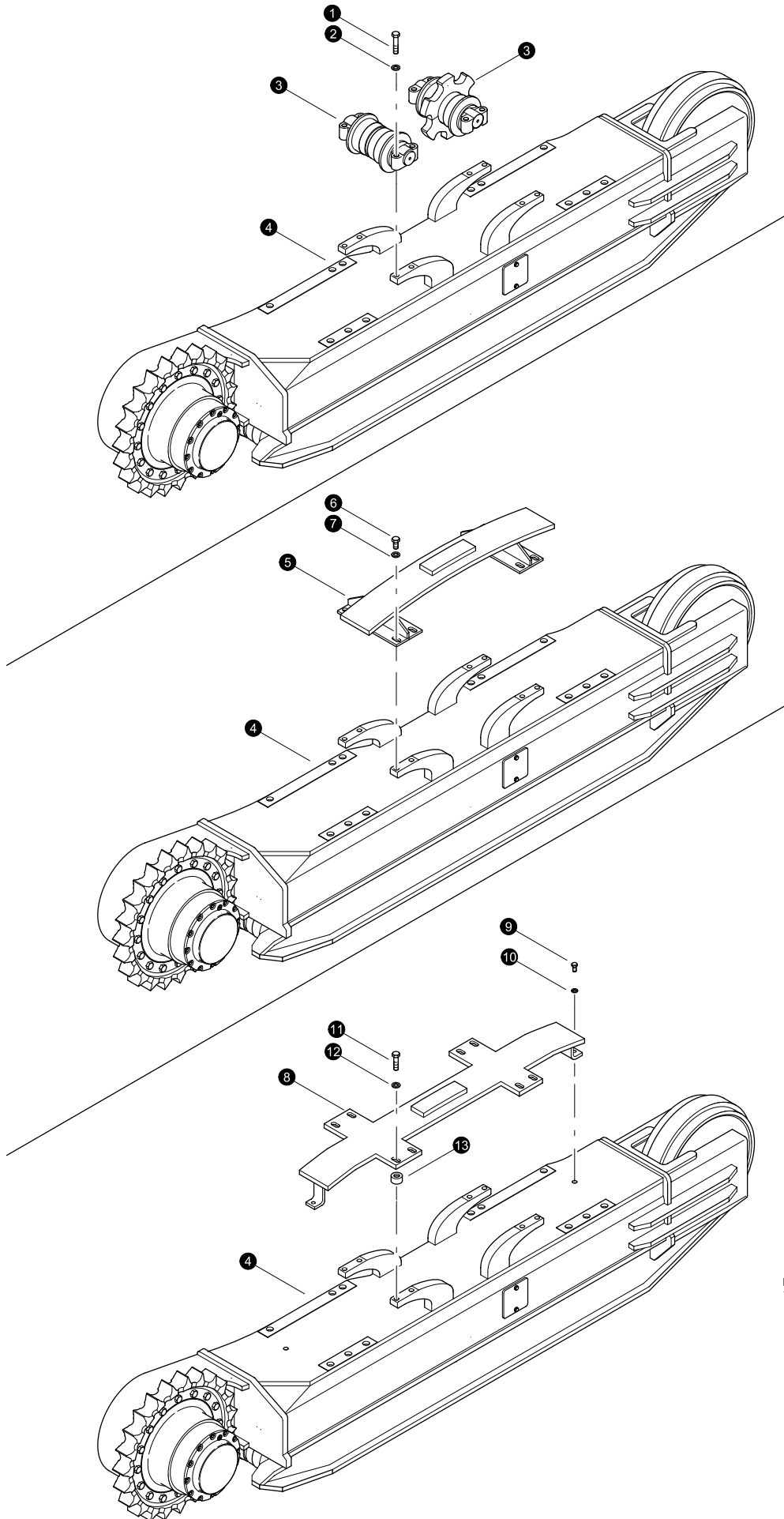


Parts T3698 10/08  
12.50

## TRACK FRAME ASSEMBLY

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	53066-TS	1	<input type="checkbox"/> 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.



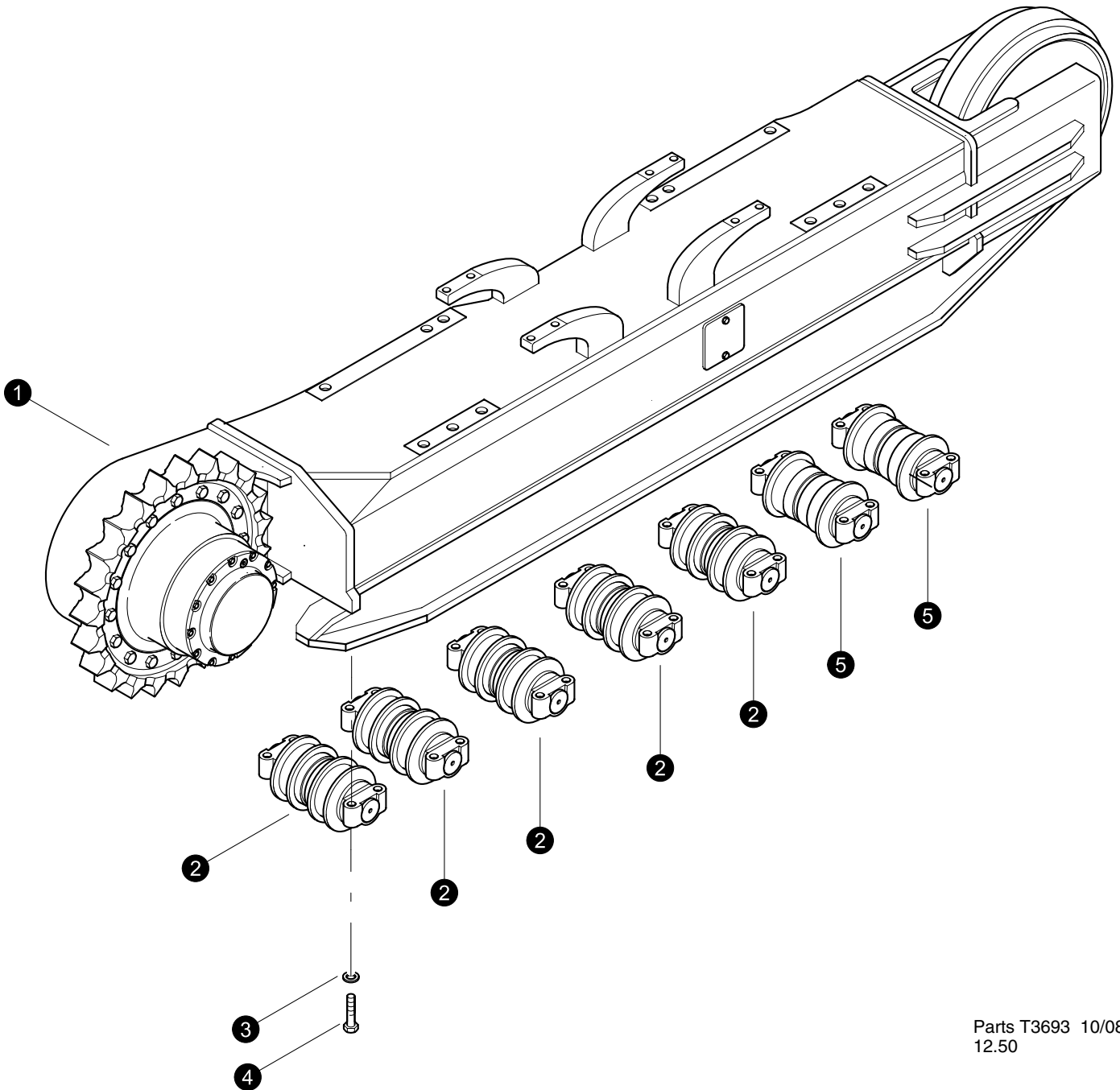
Parts T3692 10/08  
12.50

## 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.



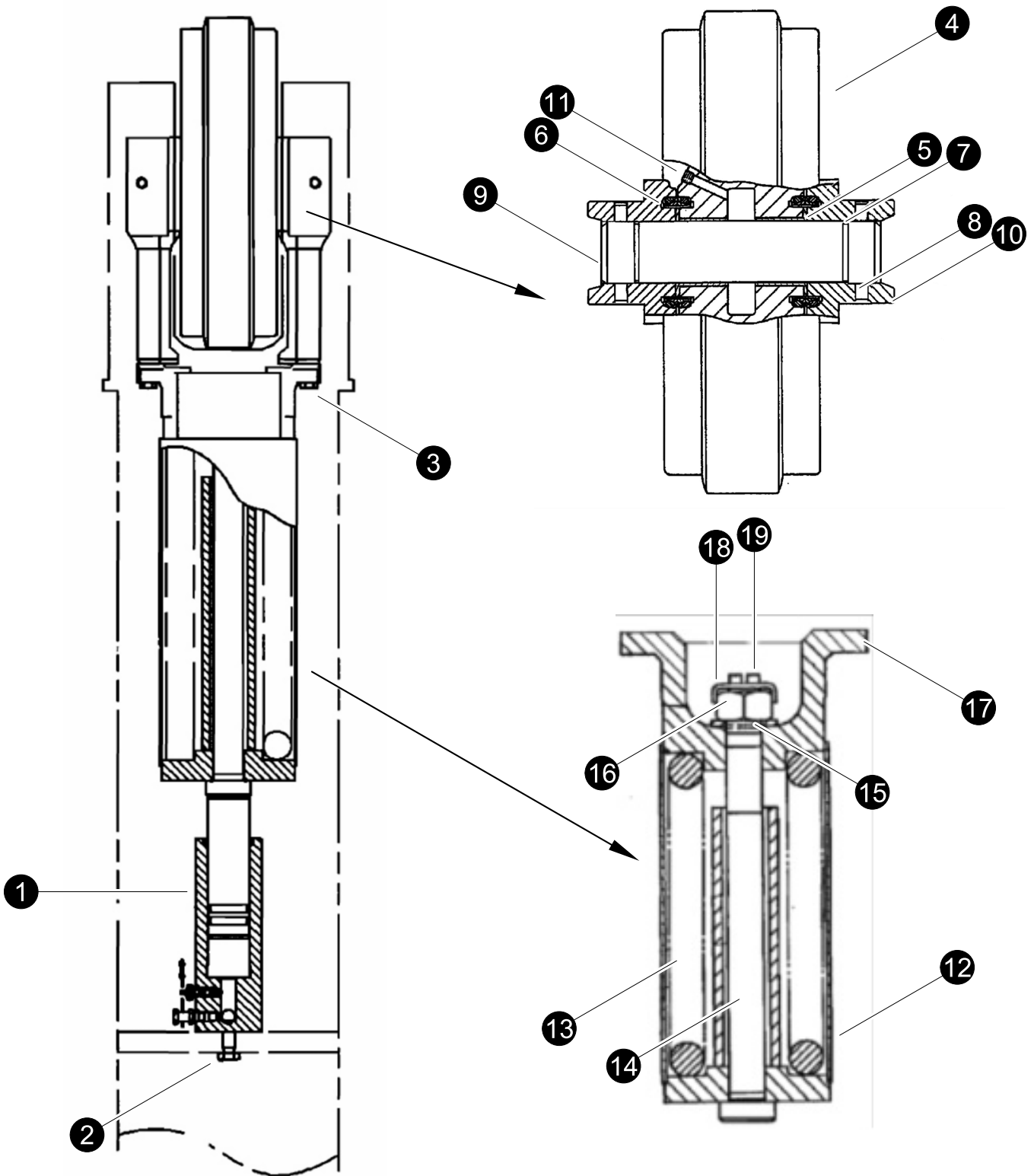
Parts T3693 10/08  
12.50

## 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.



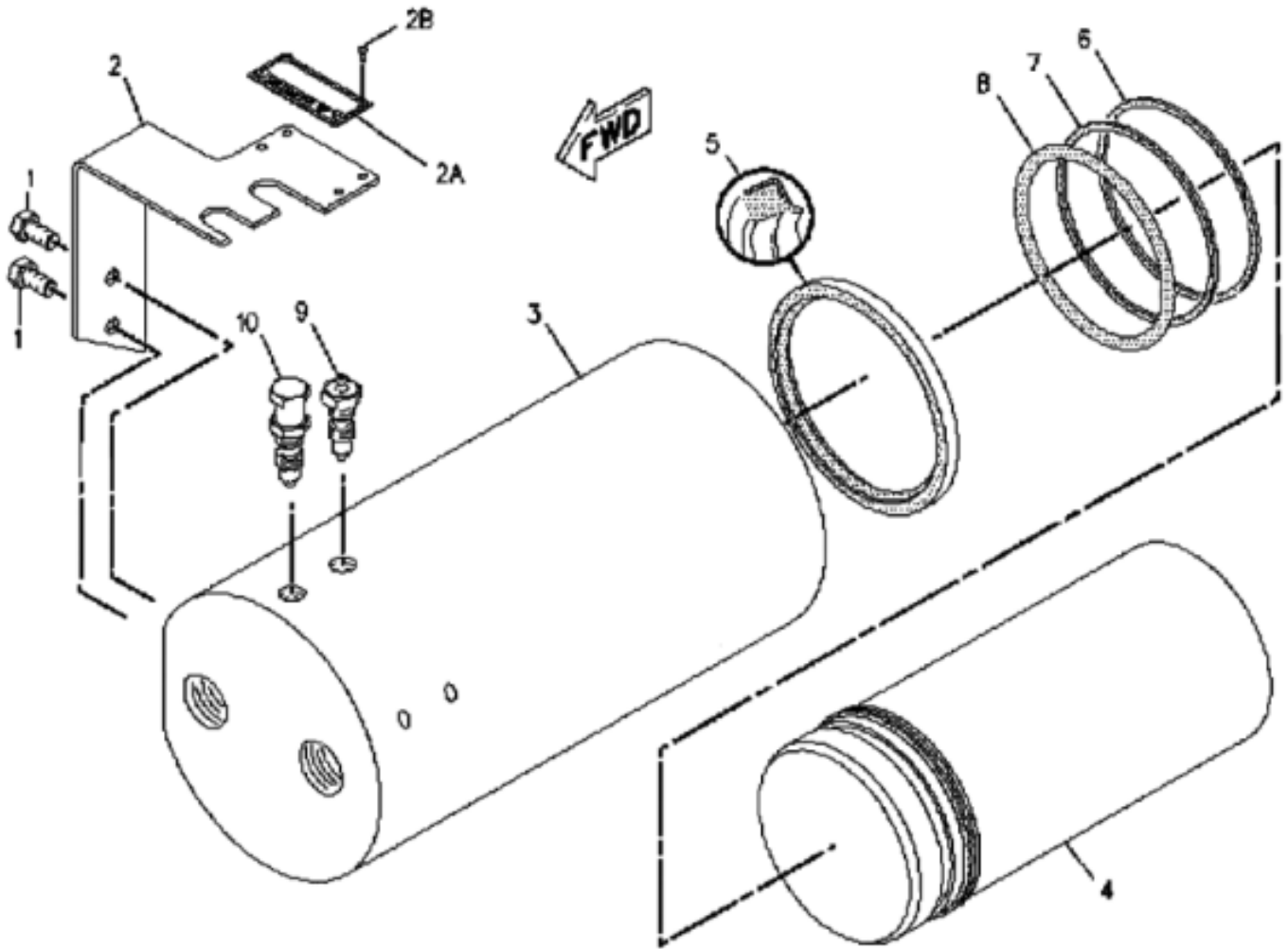
Parts T3695 10/08  
12.50

## 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	<input type="checkbox"/> 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.



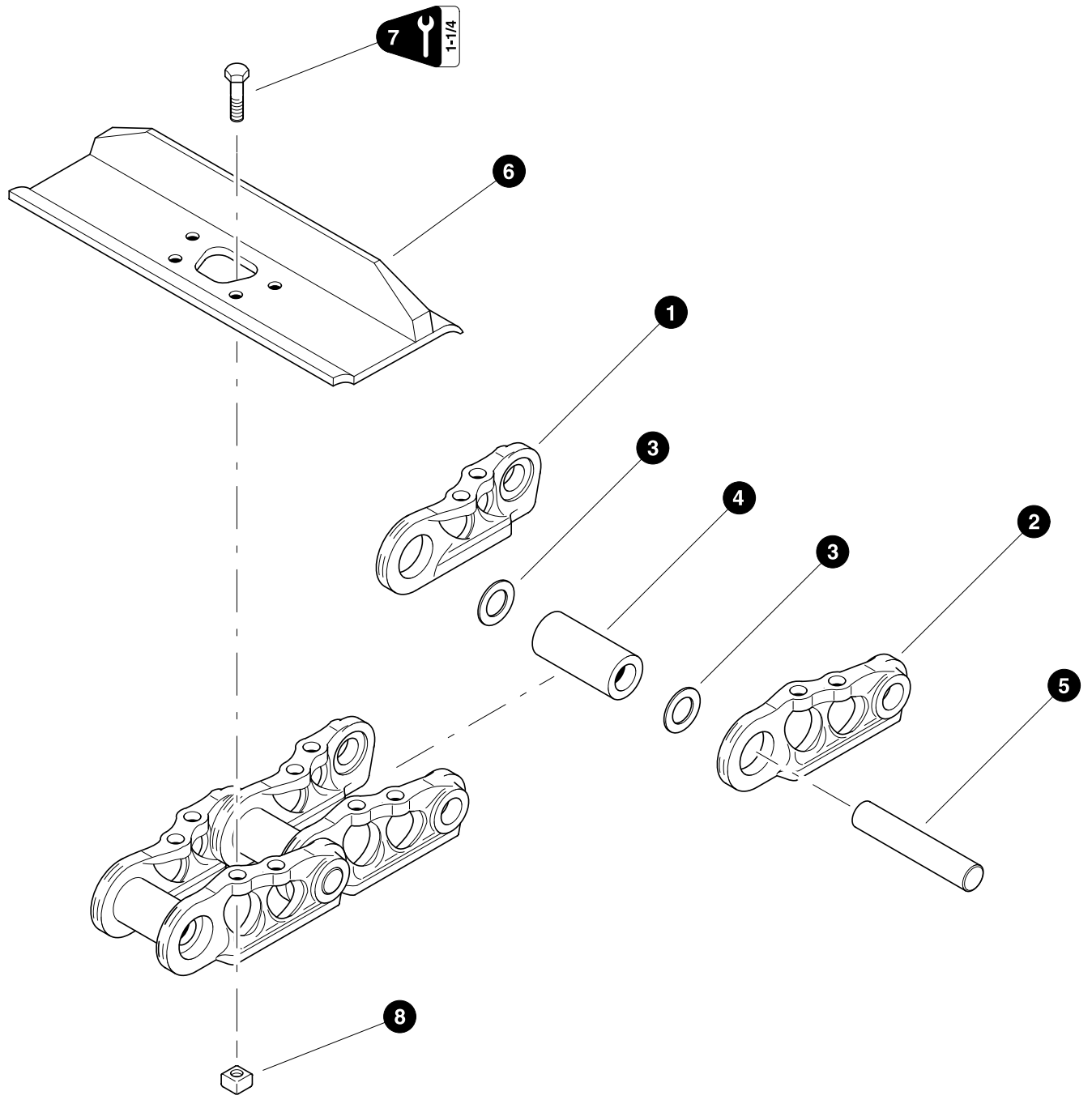
Parts T3696 10/08  
12.50

## TRACK FRAME ASSEMBLY

### (Idler Adjustment Cylinder)



REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	7Y-1635-TS	1	<input type="checkbox"/> 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	

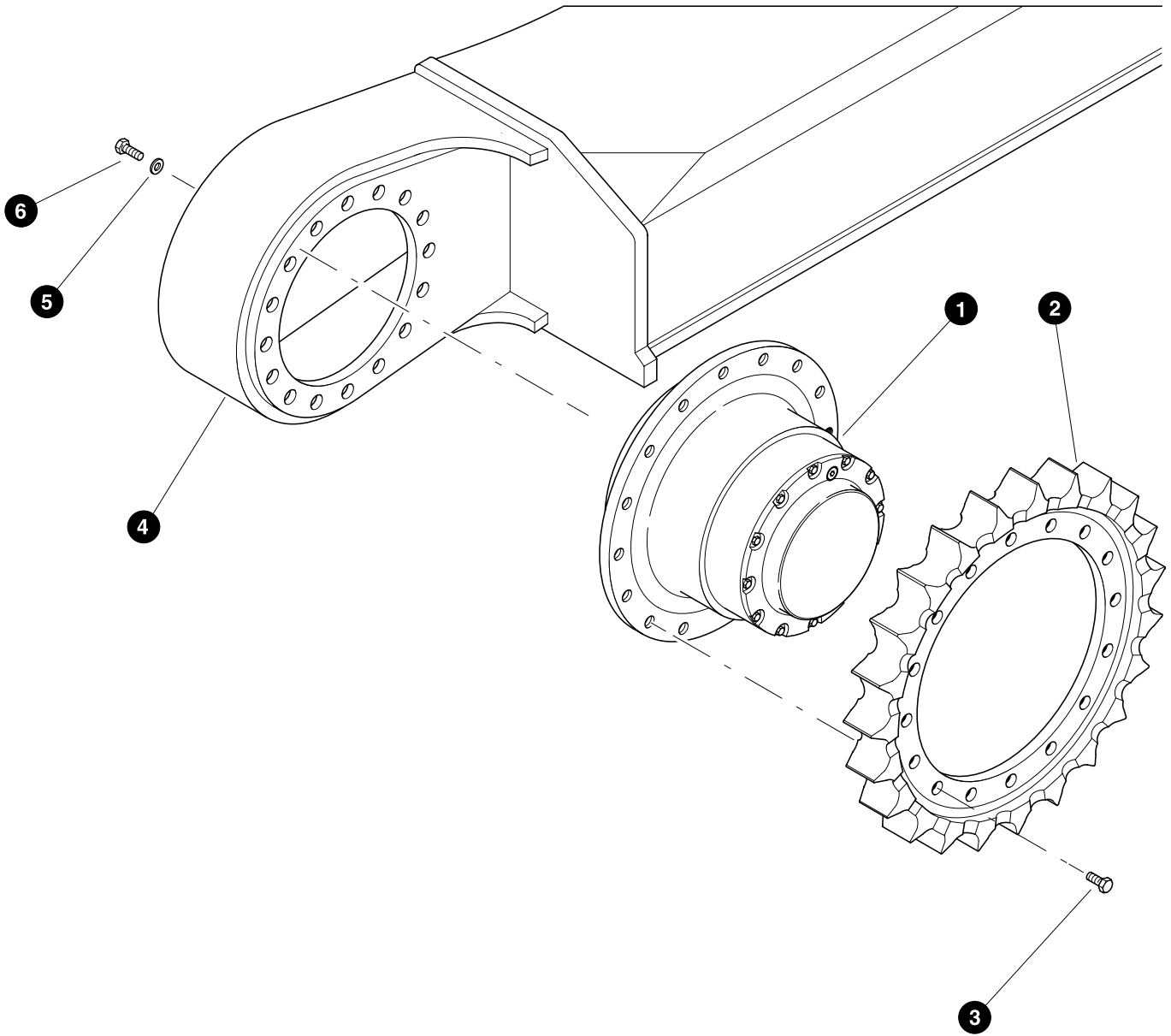
Kit or Assembly - includes all items indented underneath.



**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

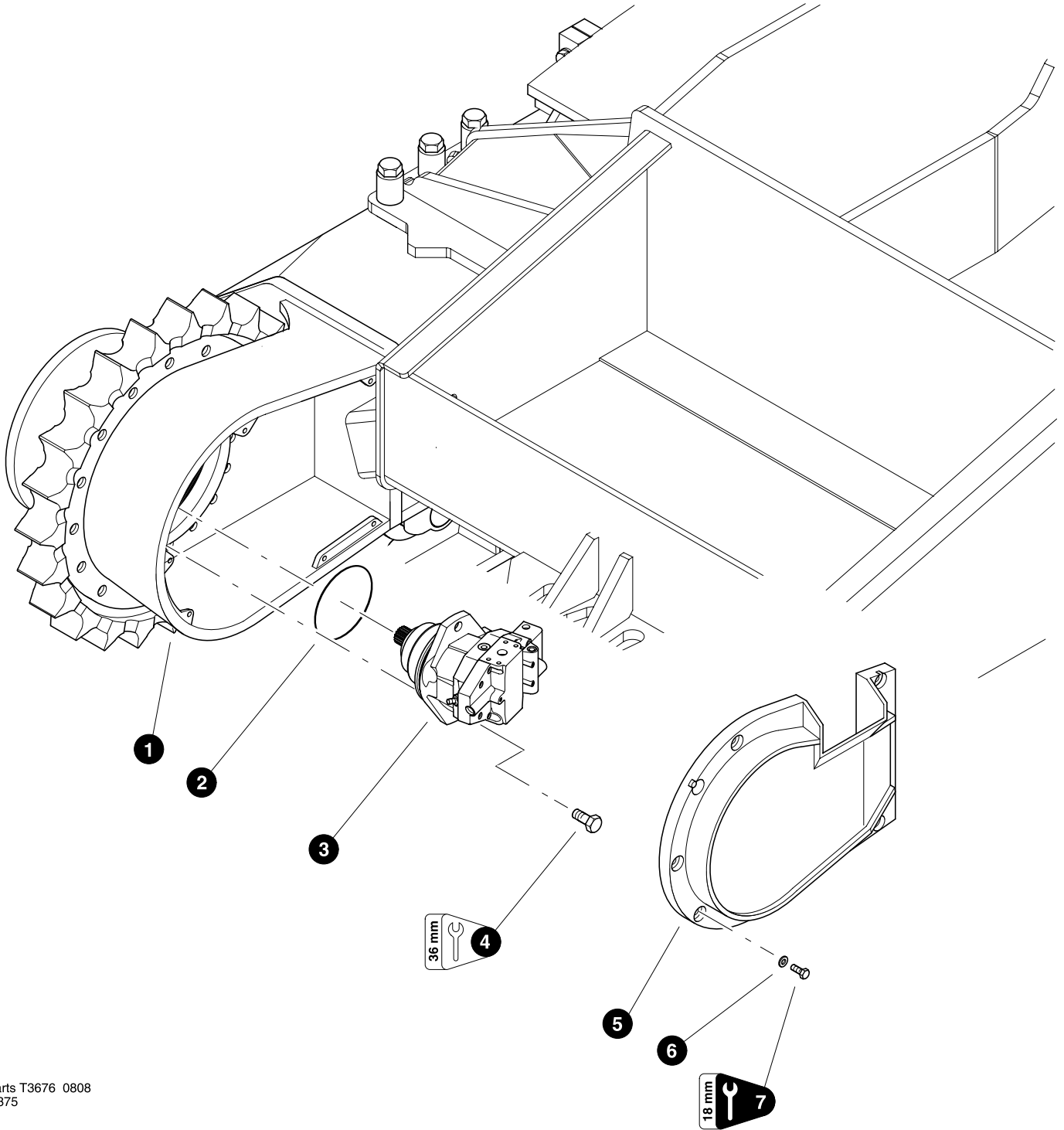
### (Final Drive - Installation)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	FINAL DRIVE ASSEMBLY .....	TS-2-15
2	21443-TS	1	SPROCKET, FINAL DRVE (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.



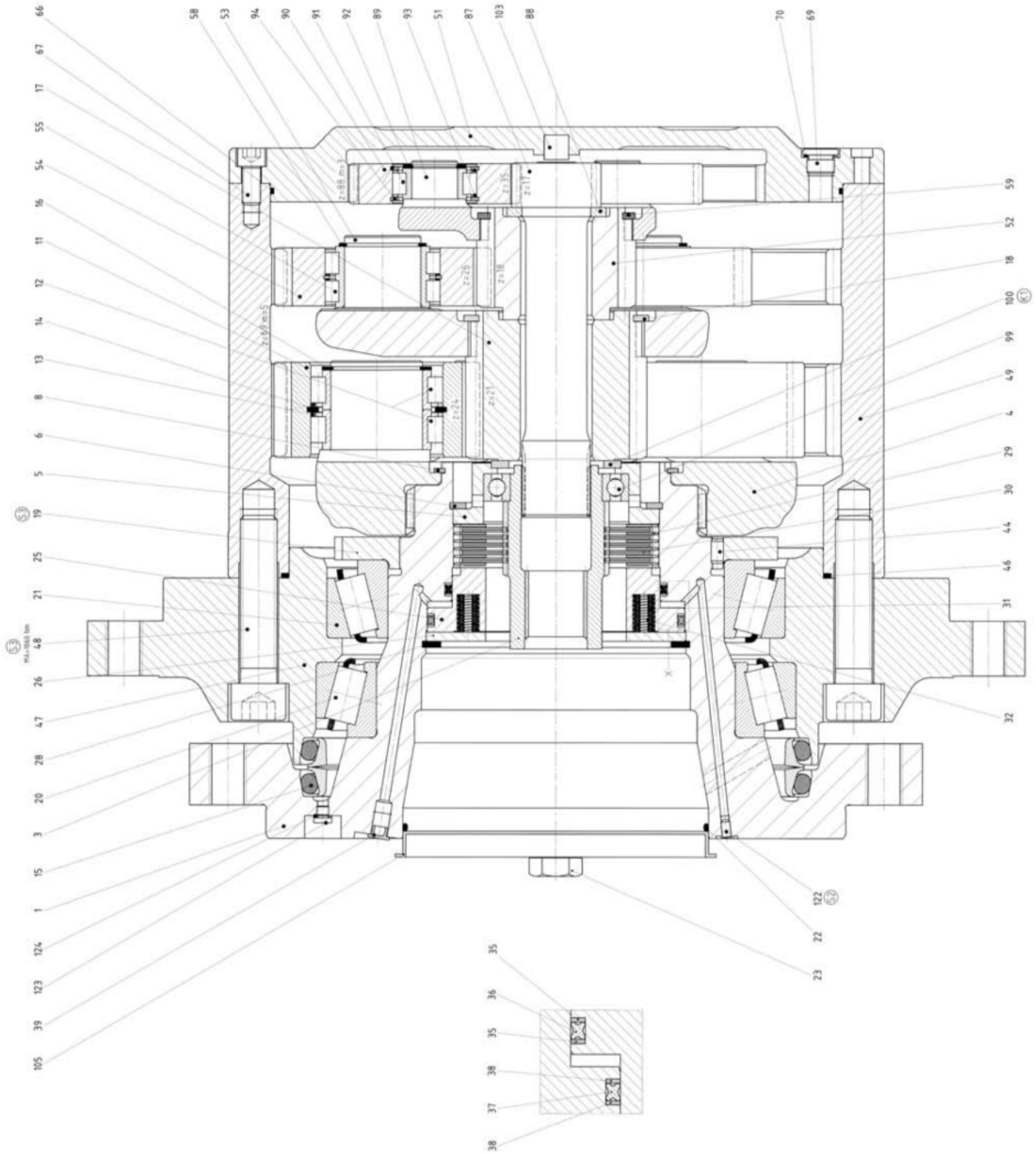
Parts T3676 0808  
9.375

## 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.



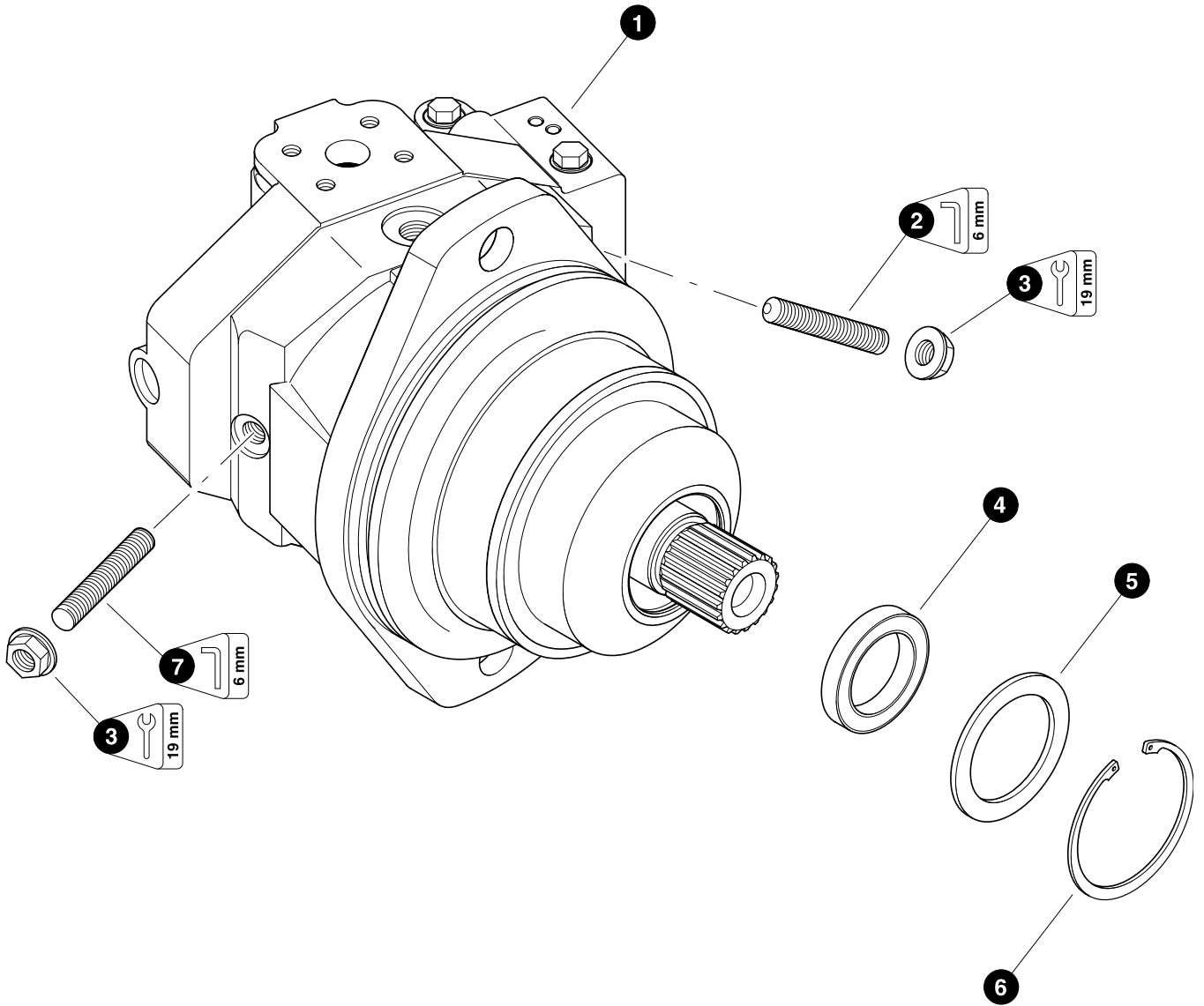
Parts T3699 10/08  
12.50

## TRACK FRAME ASSEMBLY

### (Final Drive - Lohmann/Rexroth)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	19860-TS	1	<input type="checkbox"/> 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	

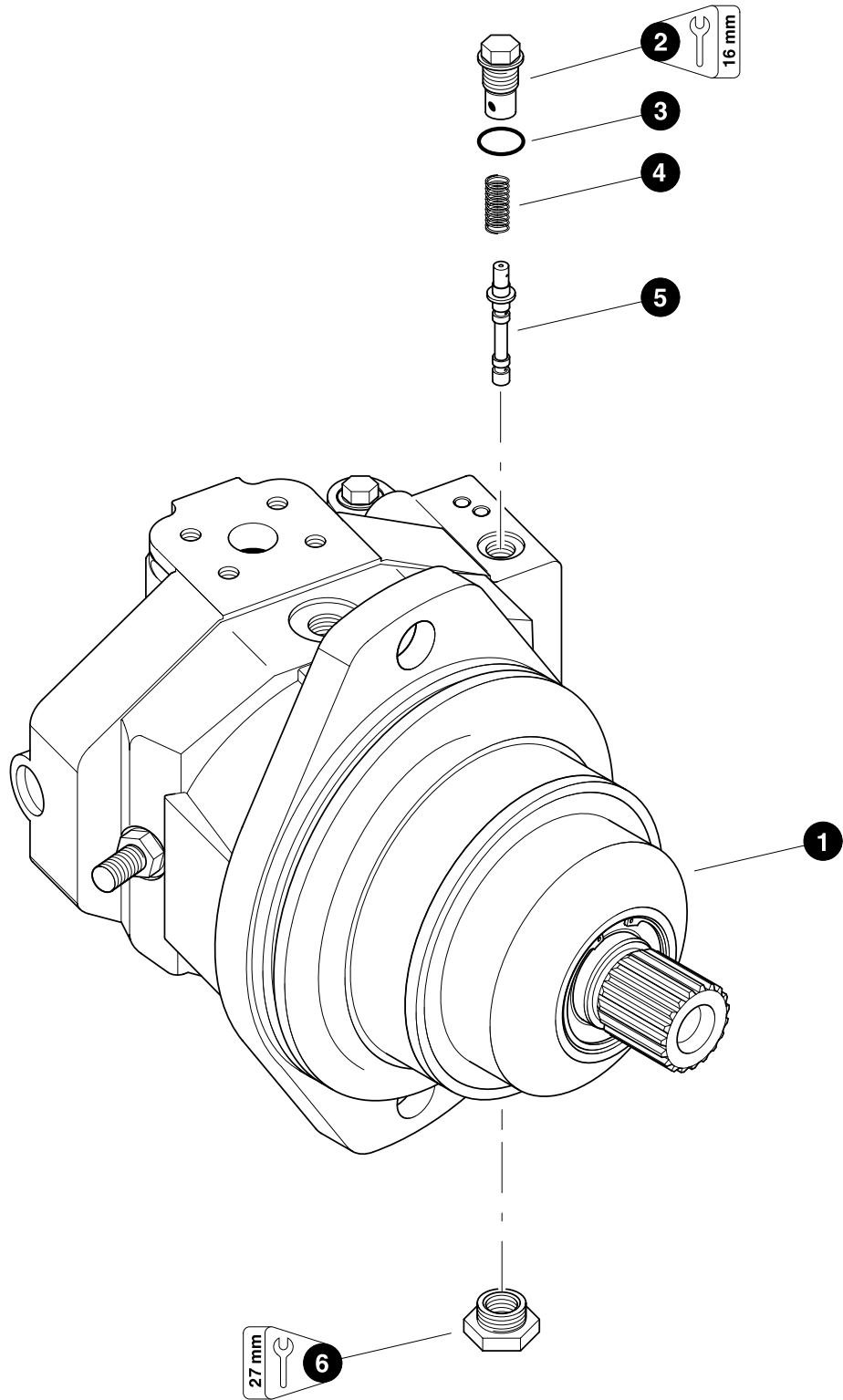
Kit or Assembly - includes all items indented underneath.



**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

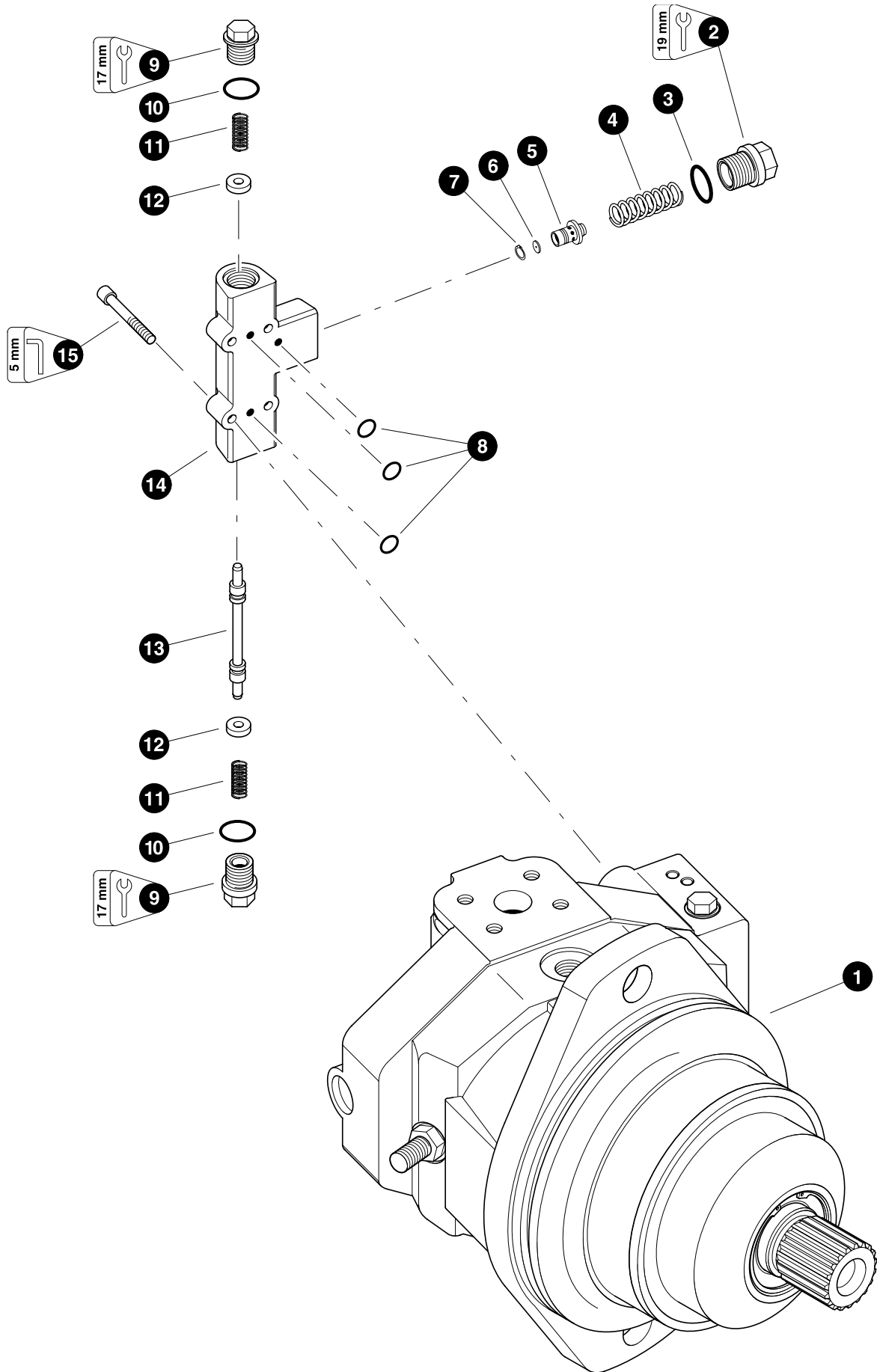


## TRACK FRAME ASSEMBLY

### (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.

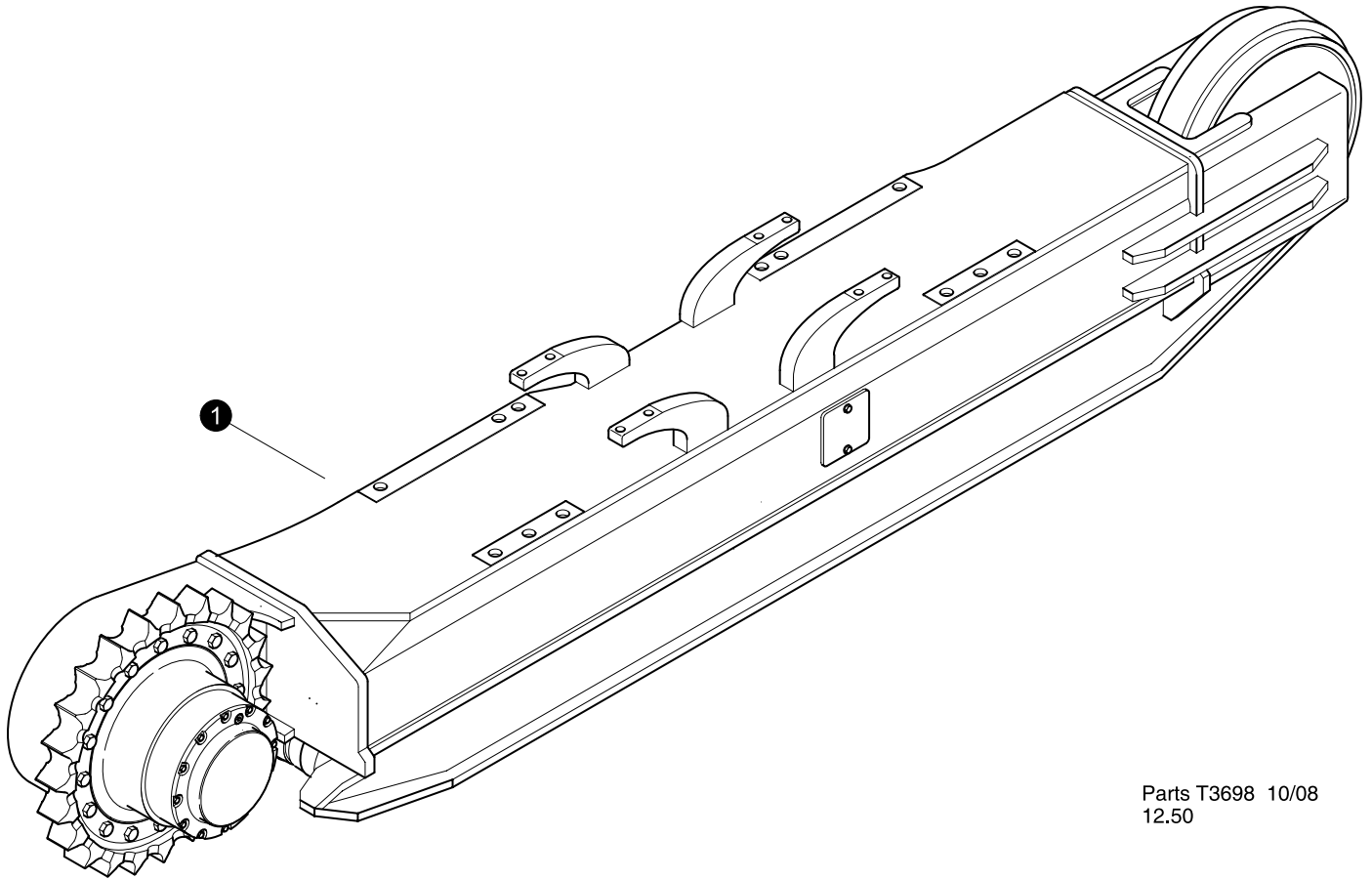
⊗ Included in seal repair kit part number 21636-TS



# ***Section TS-2***

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## ***Track Systems - 745C Undercarriage***

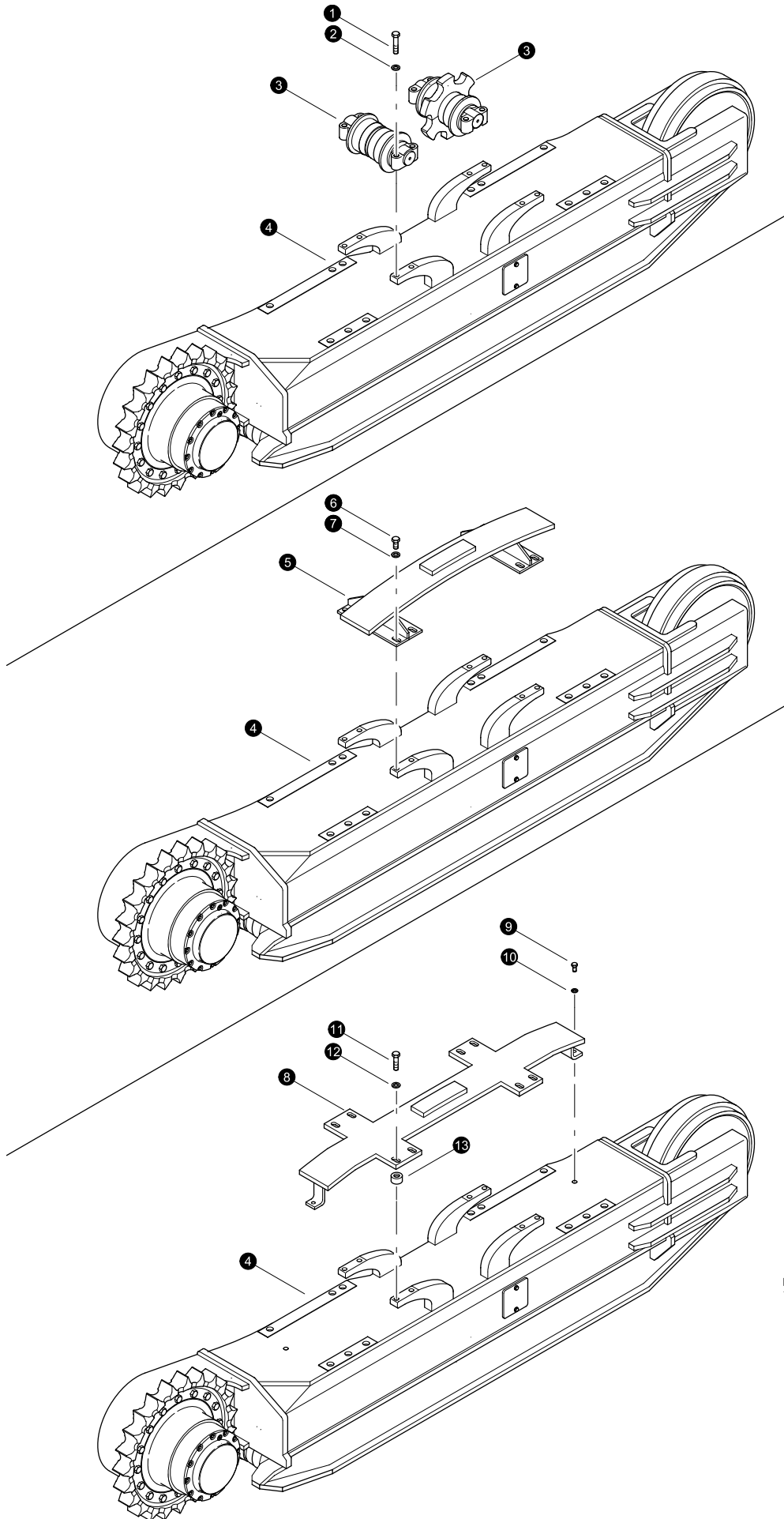


Parts T3698 10/08  
12.50

## TRACK FRAME ASSEMBLY

REF	PART #	QTY		DESCRIPTION	SEE SECTION
1	55155-TS	1	<input type="checkbox"/>	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.



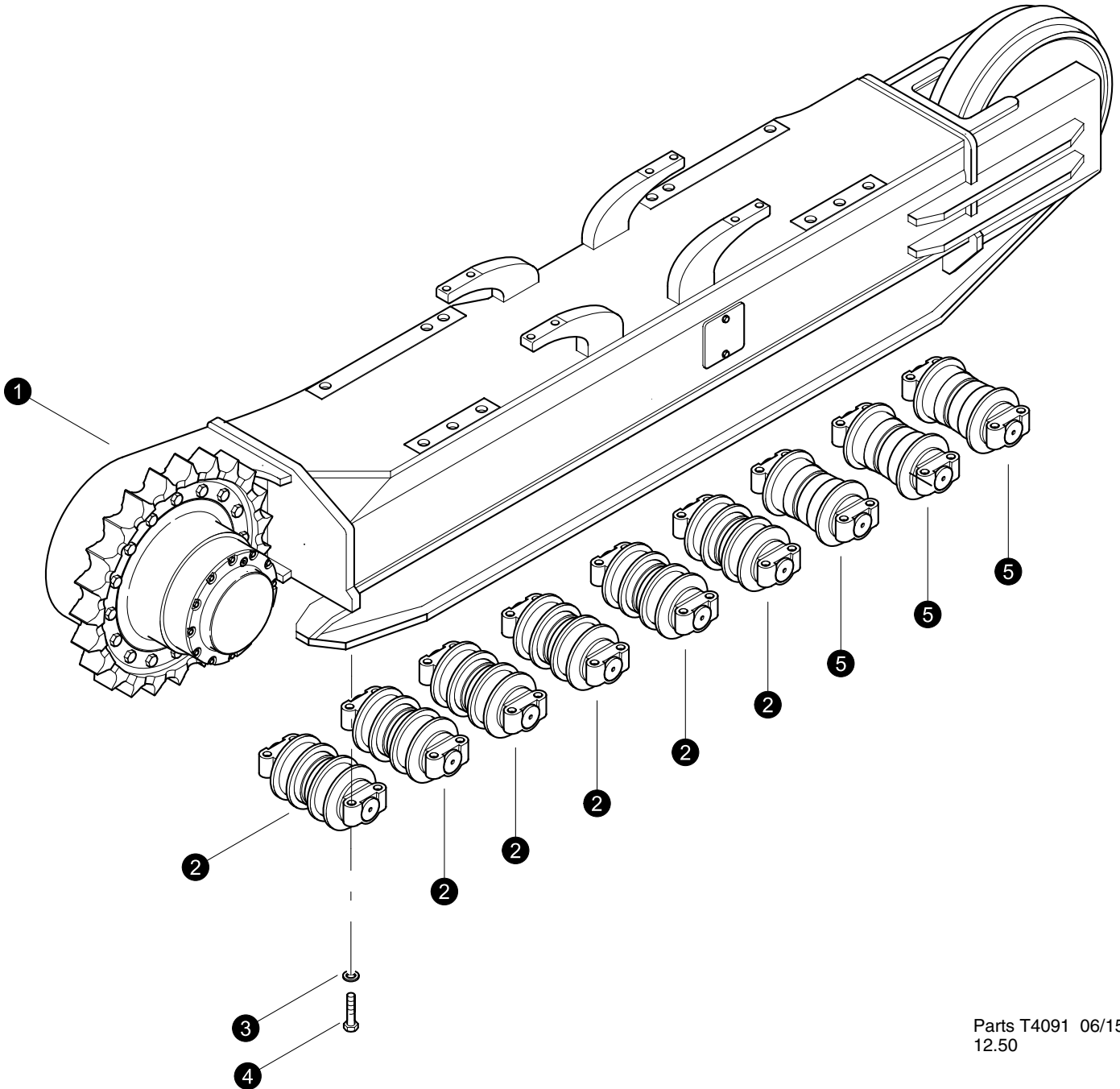
Parts T3692 10/08  
12.50

## 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.



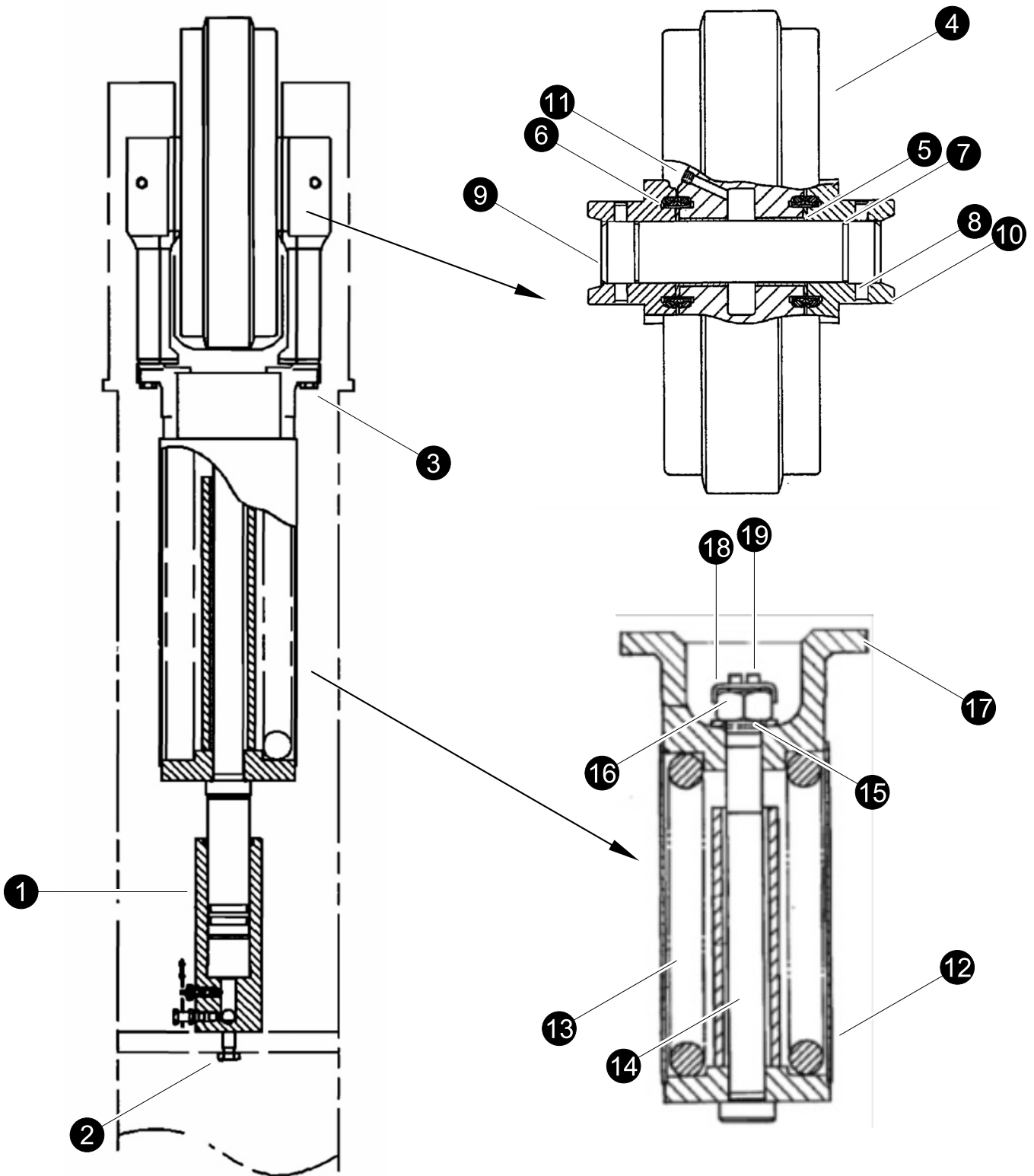
Parts T4091 06/15  
12.50

## 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.



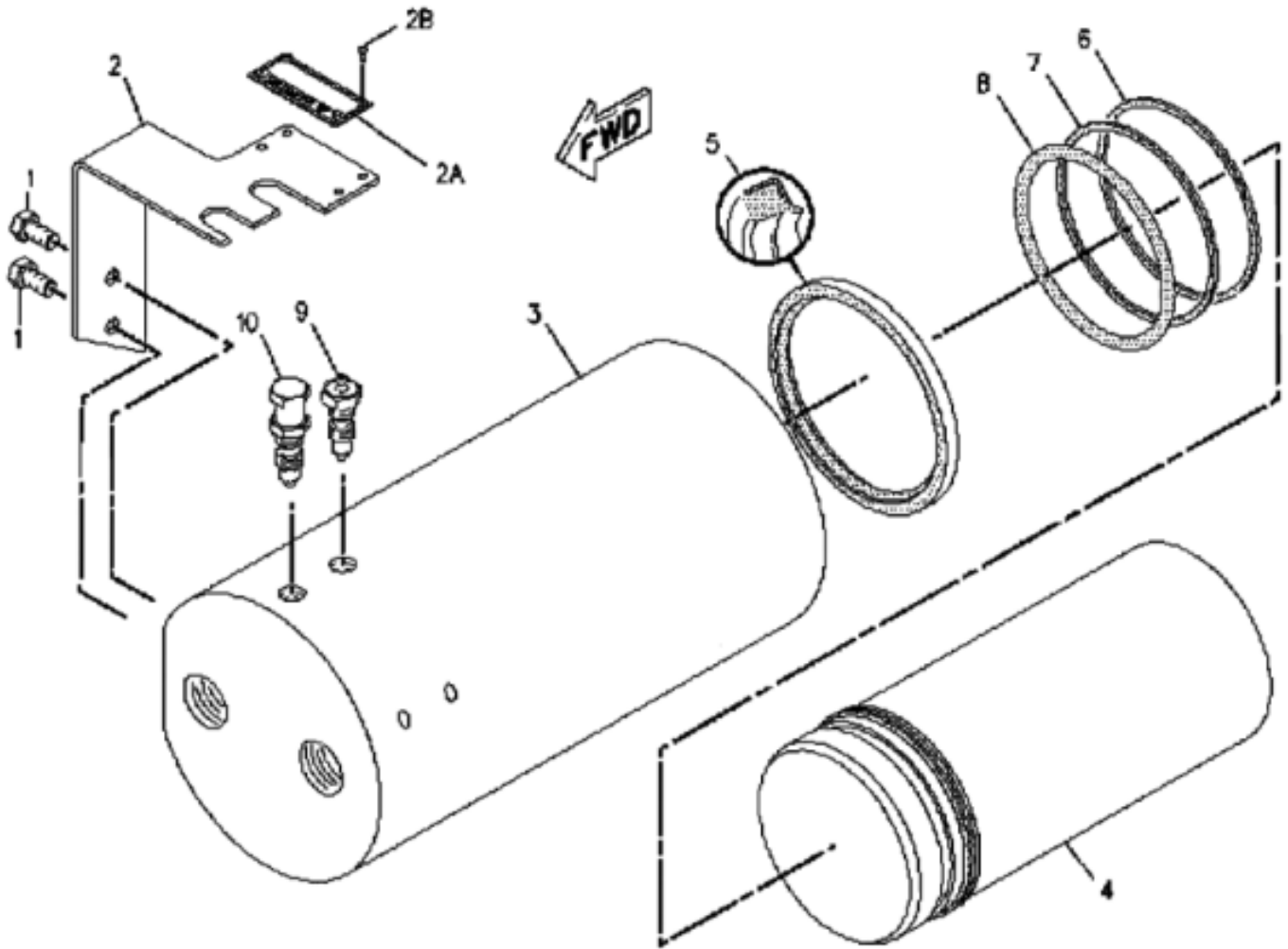
Parts T3695 10/08  
12.50

## 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	<input type="checkbox"/> 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.



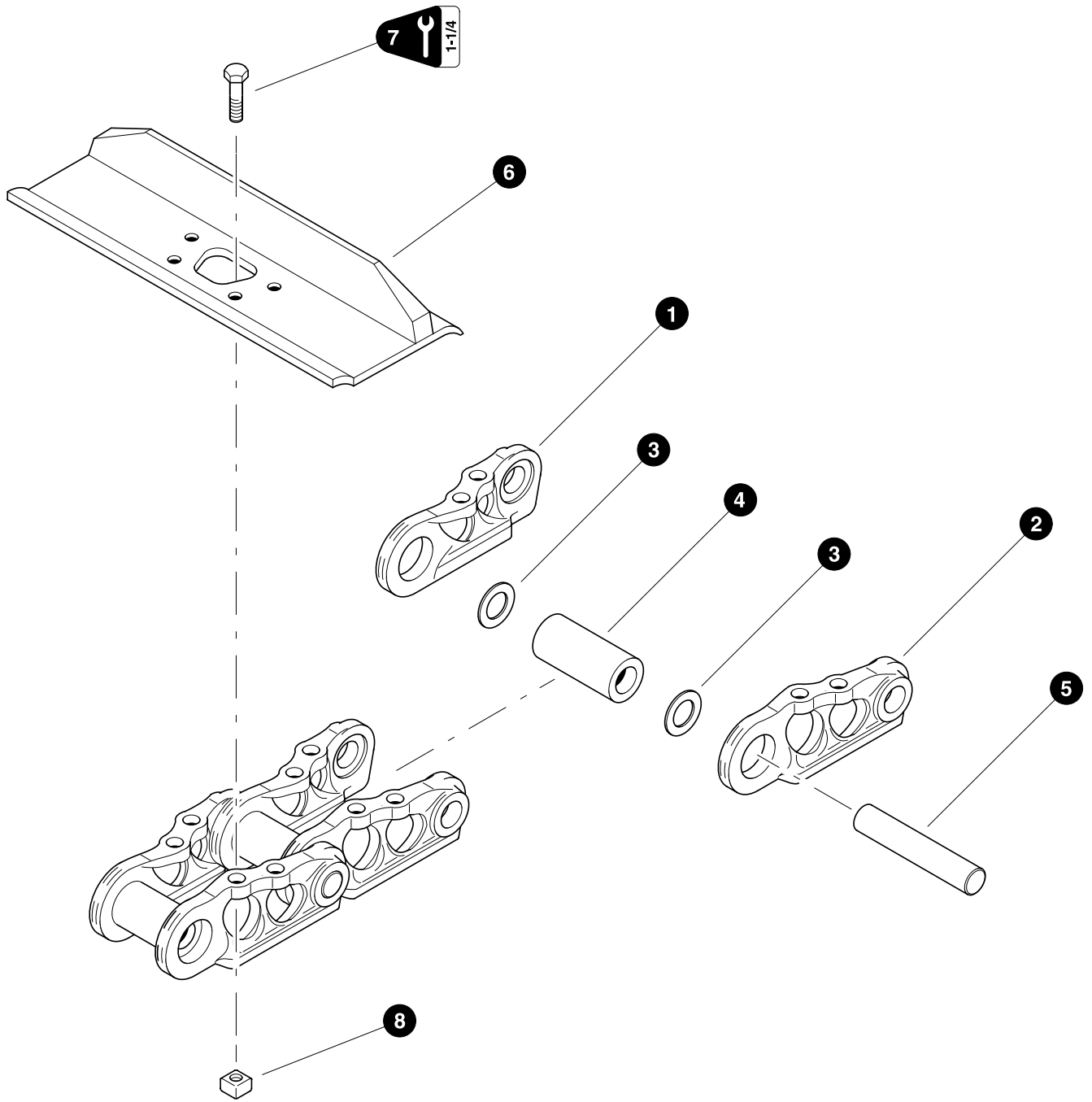
Parts T3696 10/08  
12.50

## TRACK FRAME ASSEMBLY

### (Idler Adjustment Cylinder)



REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	7Y-1635-TS	1	<input type="checkbox"/> 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	

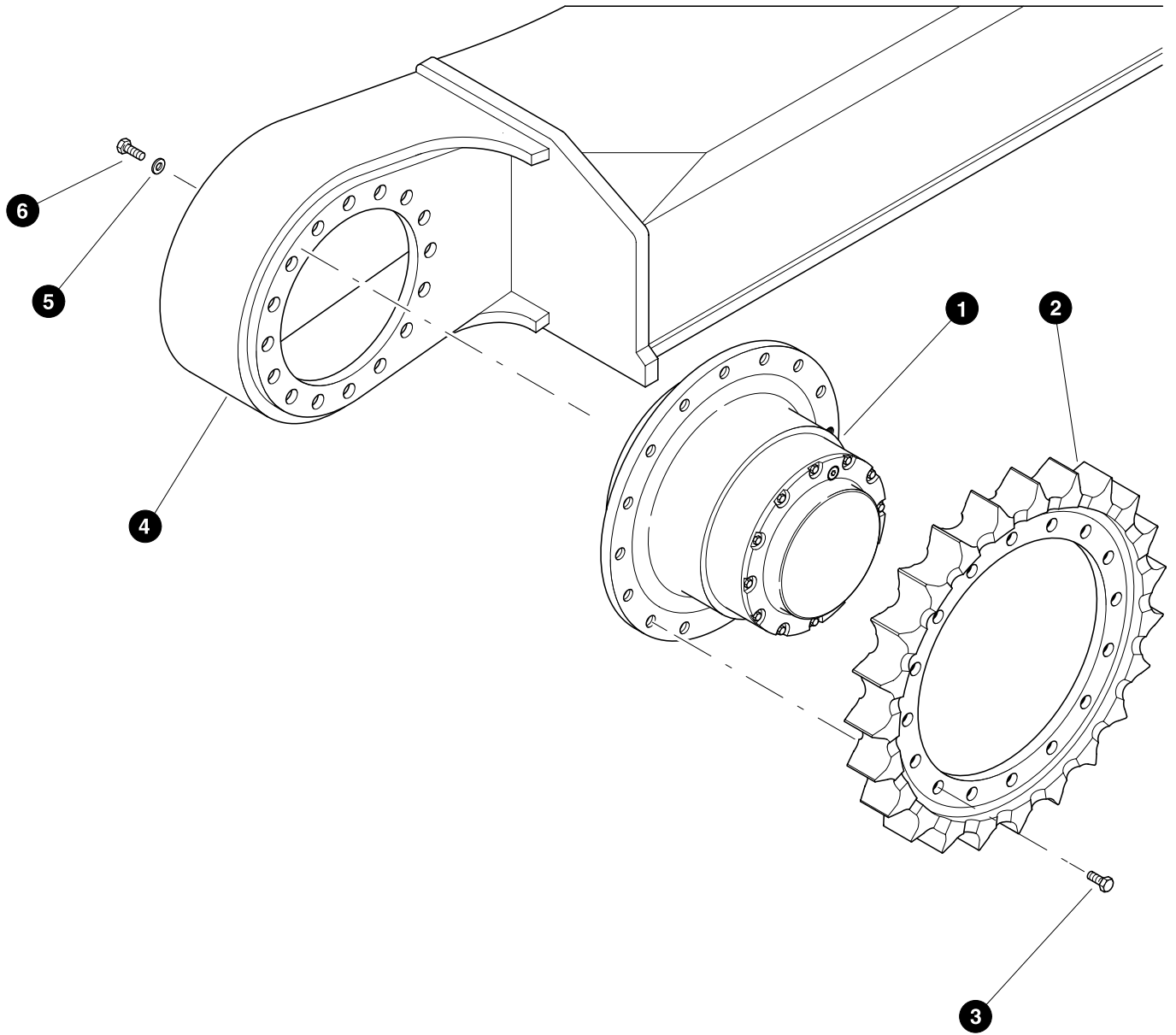
Kit or Assembly - includes all items indented underneath.



**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

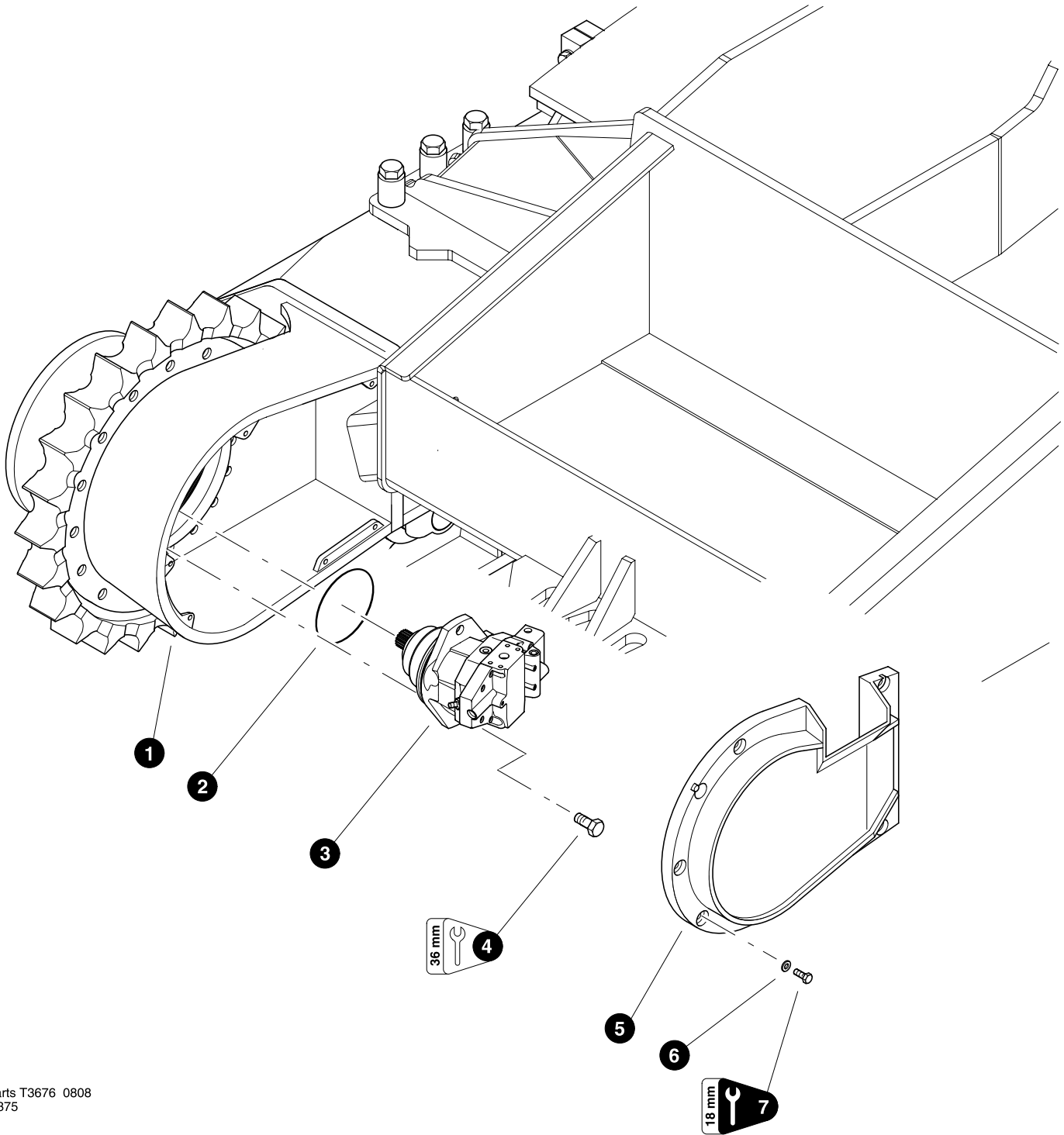
### (Final Drive - Installation)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF	1	FINAL DRIVE ASSEMBLY .....	TS-2-15
2	21443-TS	1	SPROCKET, FINAL DRVE (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.

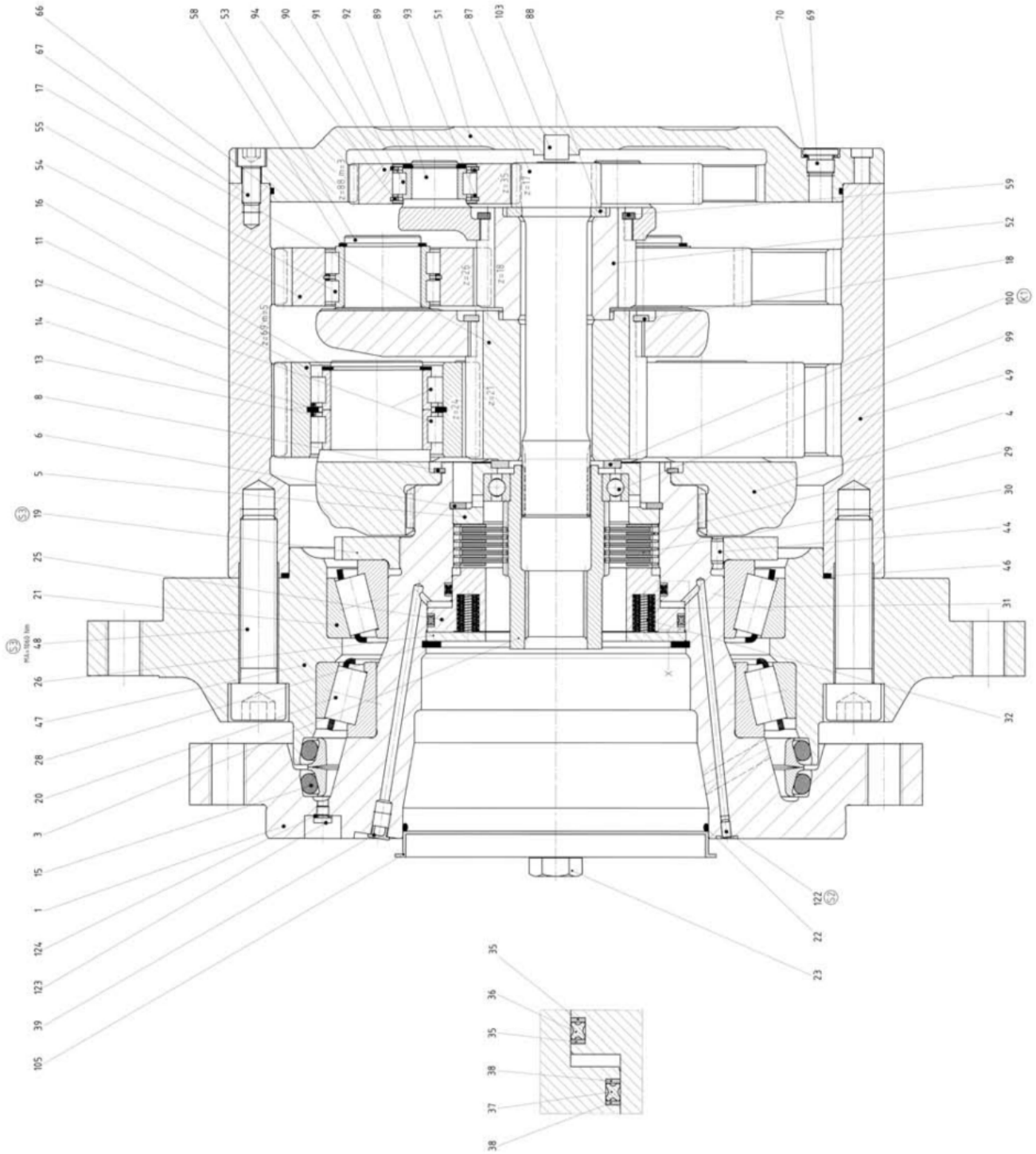


Parts T3676 0808  
9.375

## 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.



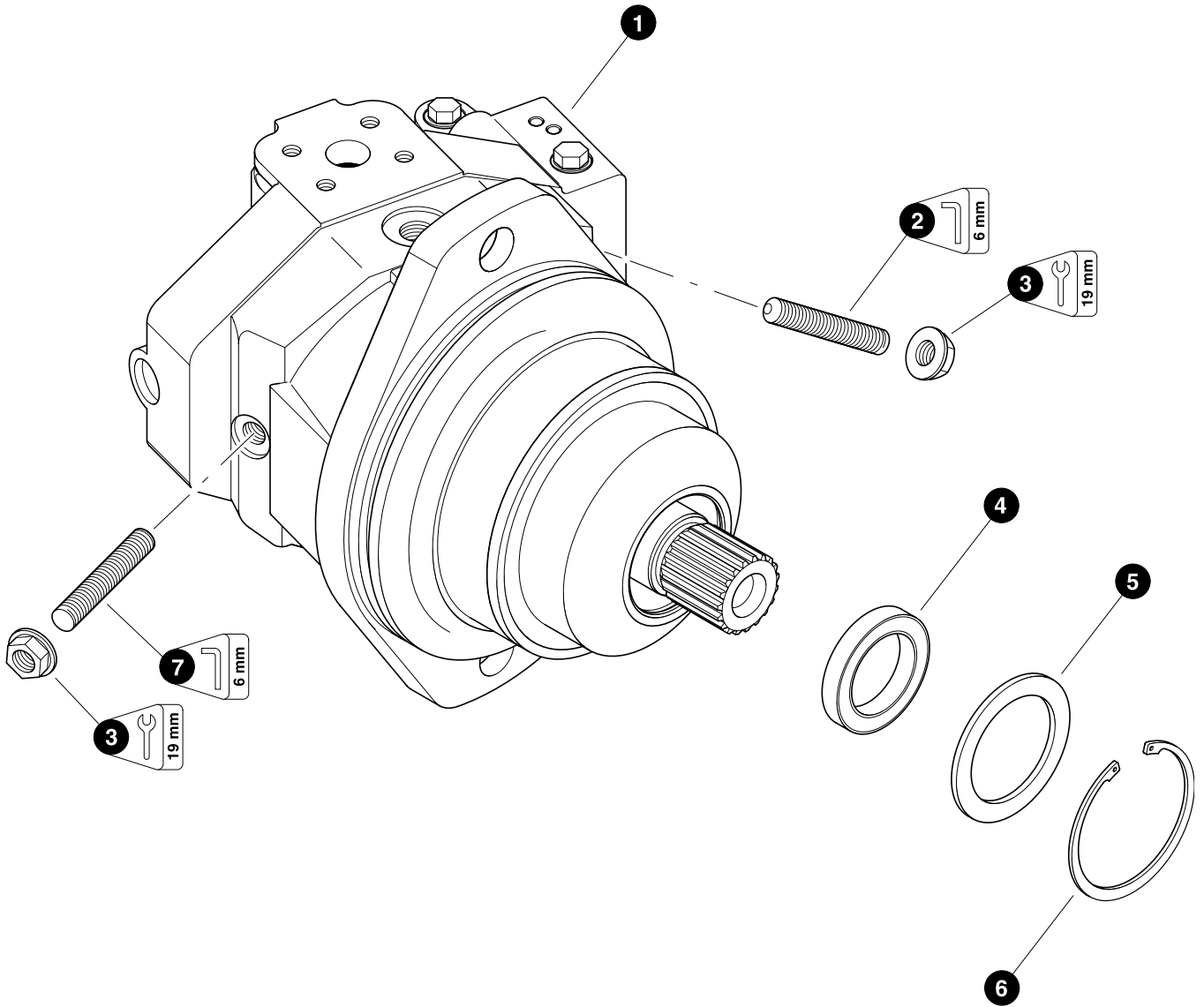
Parts T3699 10/08  
12.50

## TRACK FRAME ASSEMBLY

### (Final Drive - Lohmann/Rexroth)

REF	PART #	QTY	DESCRIPTION	SEE SECTION
-	19860-TS	1	<input type="checkbox"/> 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	

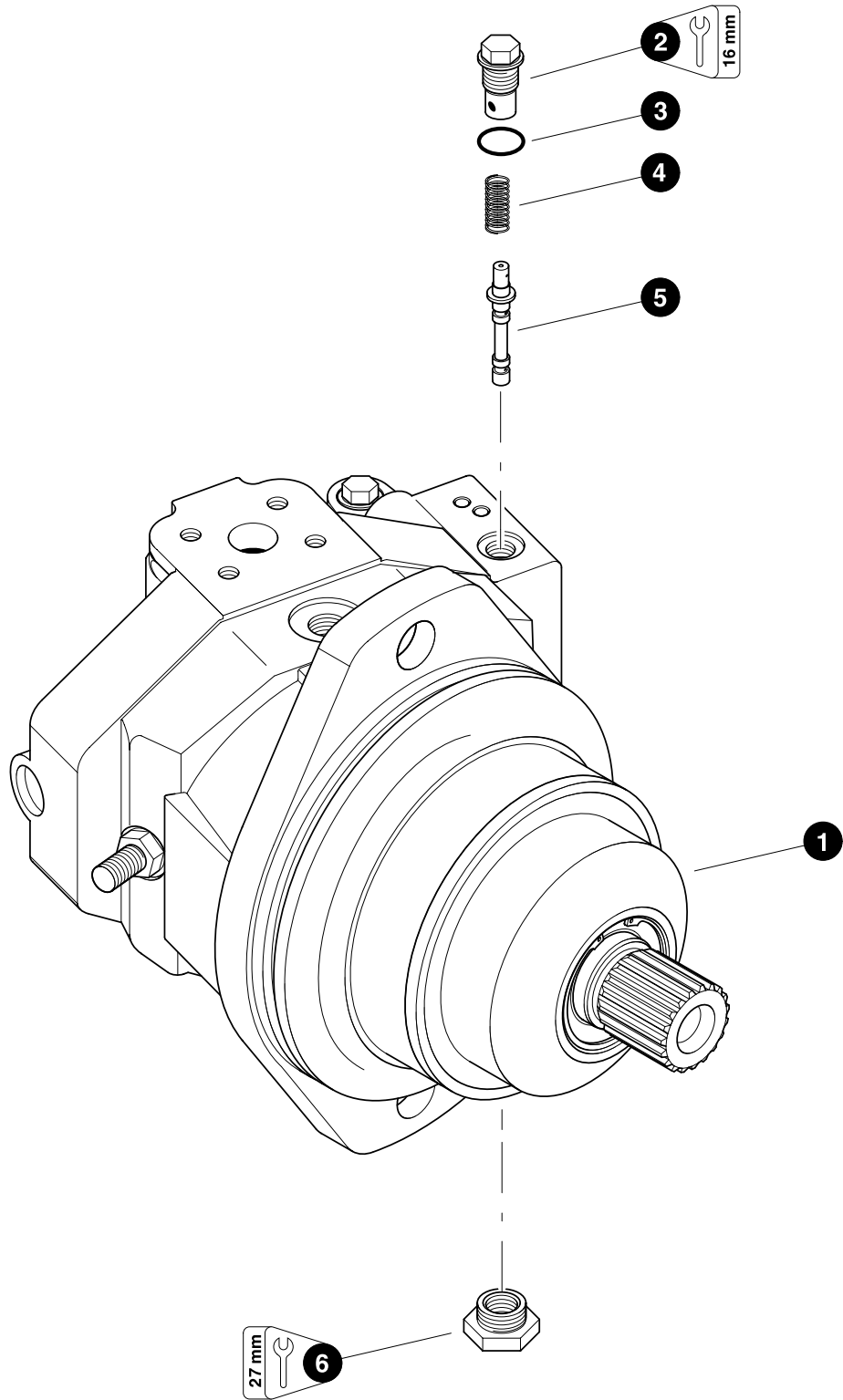
Kit or Assembly - includes all items indented underneath.



**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

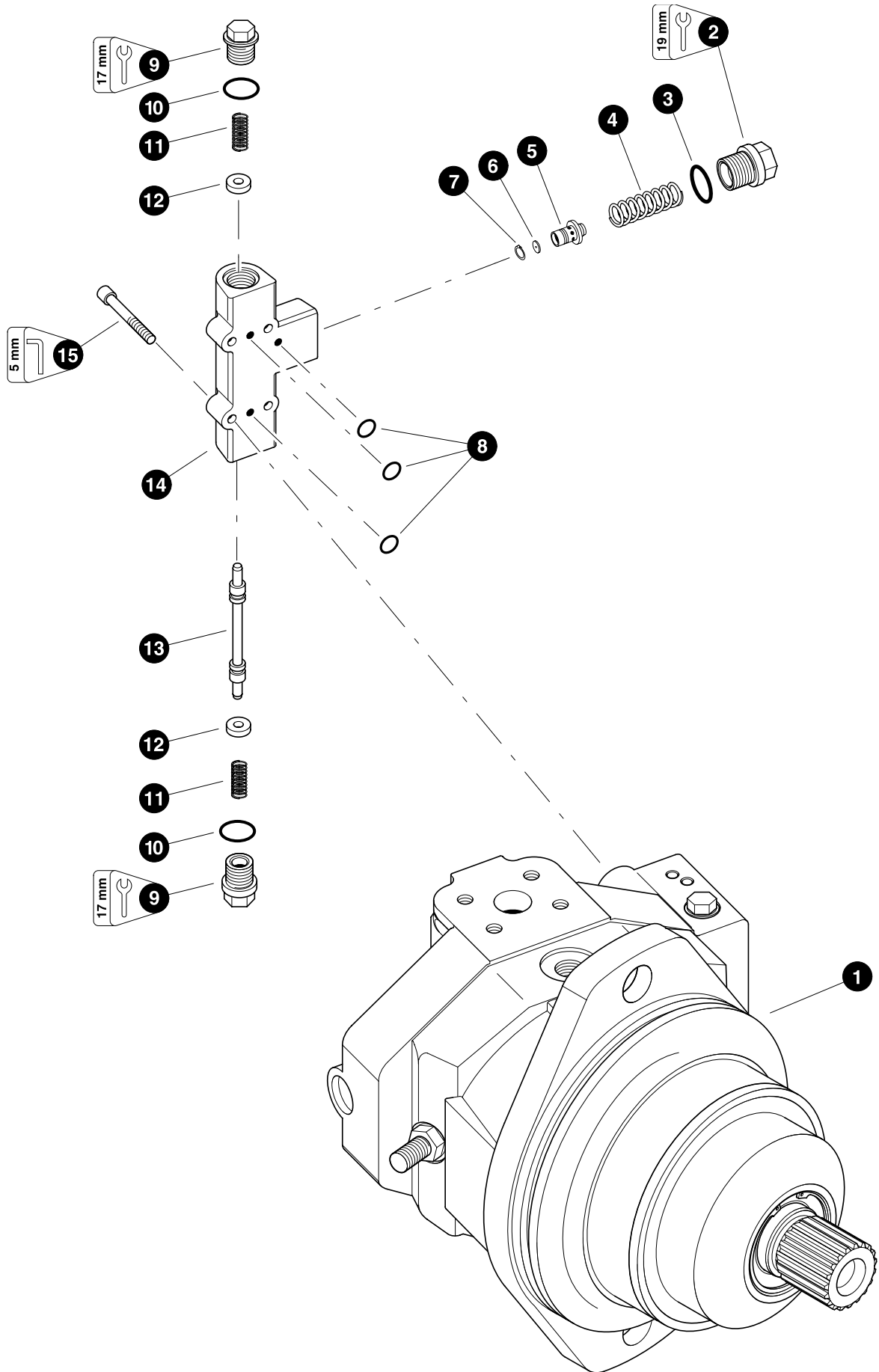


## TRACK FRAME ASSEMBLY

### (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.

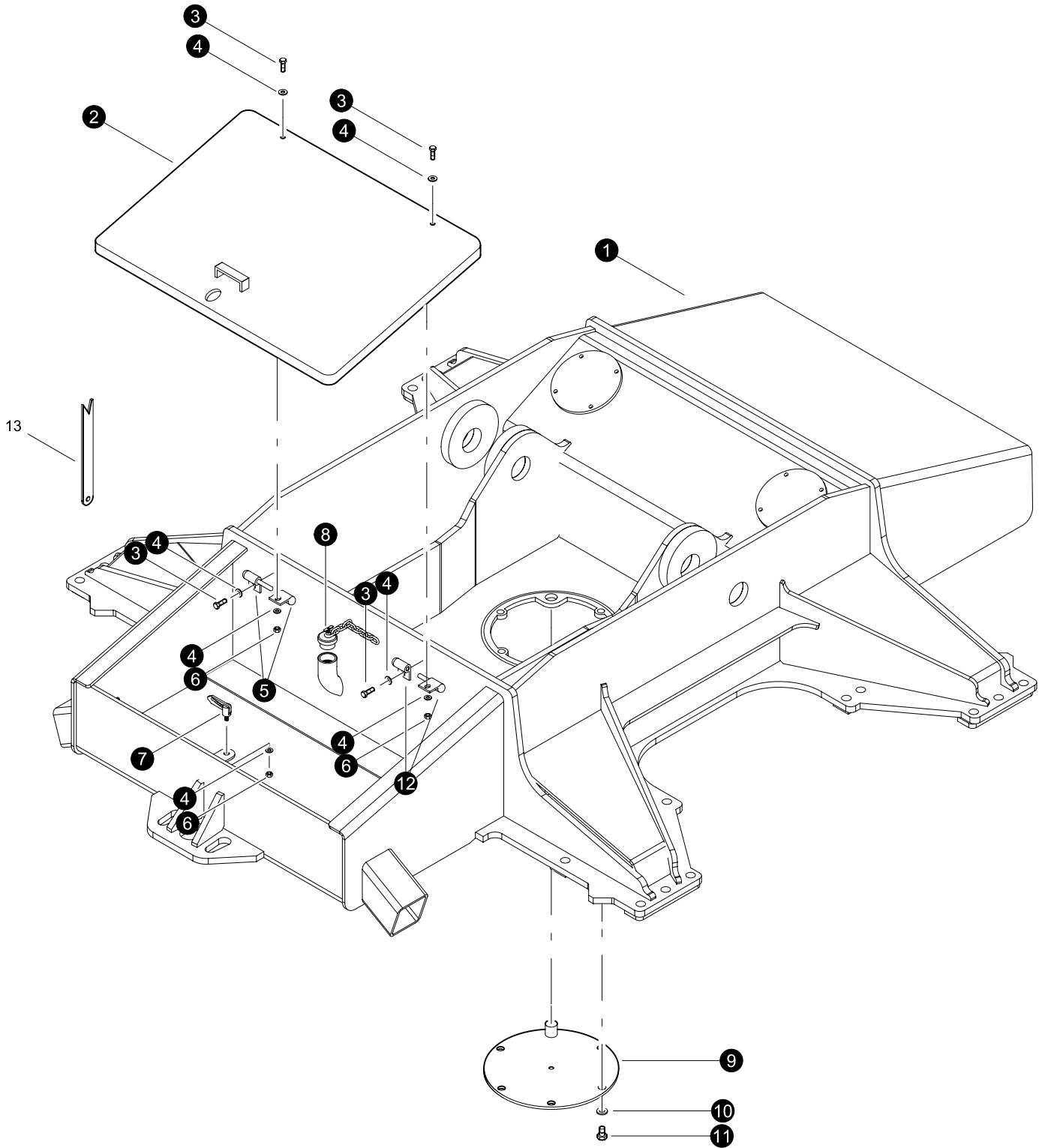
⊗ Included in seal repair kit part number 21636-TS



# ***Section LV-1***

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## ***Leveling Track Frame - Frame and Covers***

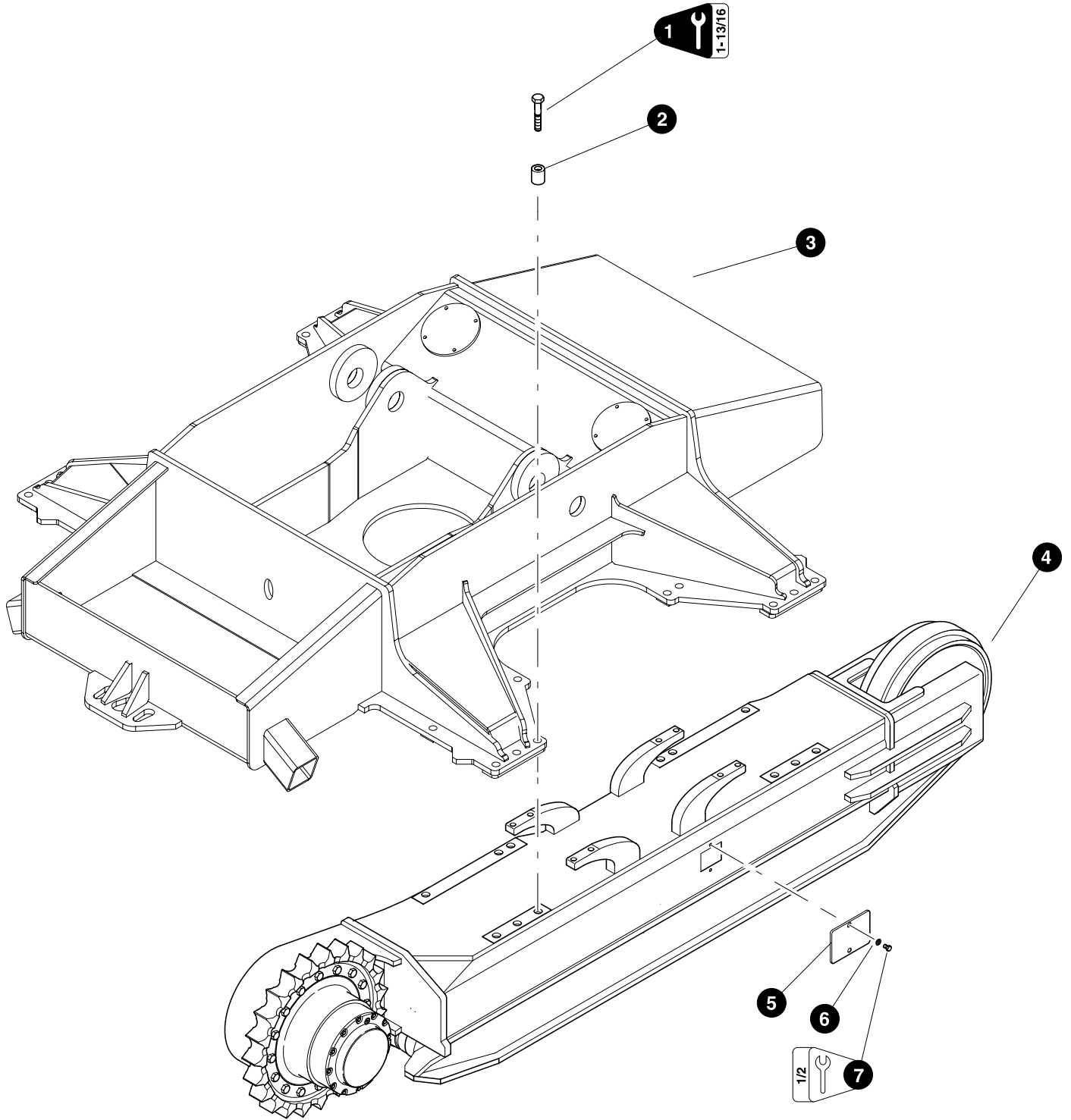


Parts T3675 0808  
9.375

## Frame and Covers (General)



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	53600-LV	1	CARBODY, TRACK MACHINE-LEVELING 9'-8" (Optional)	
-	52553-LV	1	CARBODY, TRACK MACHINE-LEVELING 10'-4" (Standard)	
-	53802-LV	1	CARBODY, TRACK MACHINE-LEVELING 11'-2" (Optional)	
-	46565-LV	1	CARBODY, TRACK -LEVELING 11'-2" (745C STANDARD)	
2	53228-LV	2	LID, TRUNK LEVELING	
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	53230-LV	1	HINGE, ASSEMBLY-LEV T/M TRUNK RH	
13	54060-LV	1	ROD, PROP - LEVELING TRUNK-CURRENT	

Kit or Assembly - includes all items indented underneath.



Parts T3671 0808  
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	187-8496	2	COVER, Track Frame - 725	
5	272-5539	2	COVER, Track Frame - 735	
6	15534-LV	4	WASHER, SAE FLAT - .5"	
7	15551-LV	4	BOLT - 12MM-1.75P X 40MM	

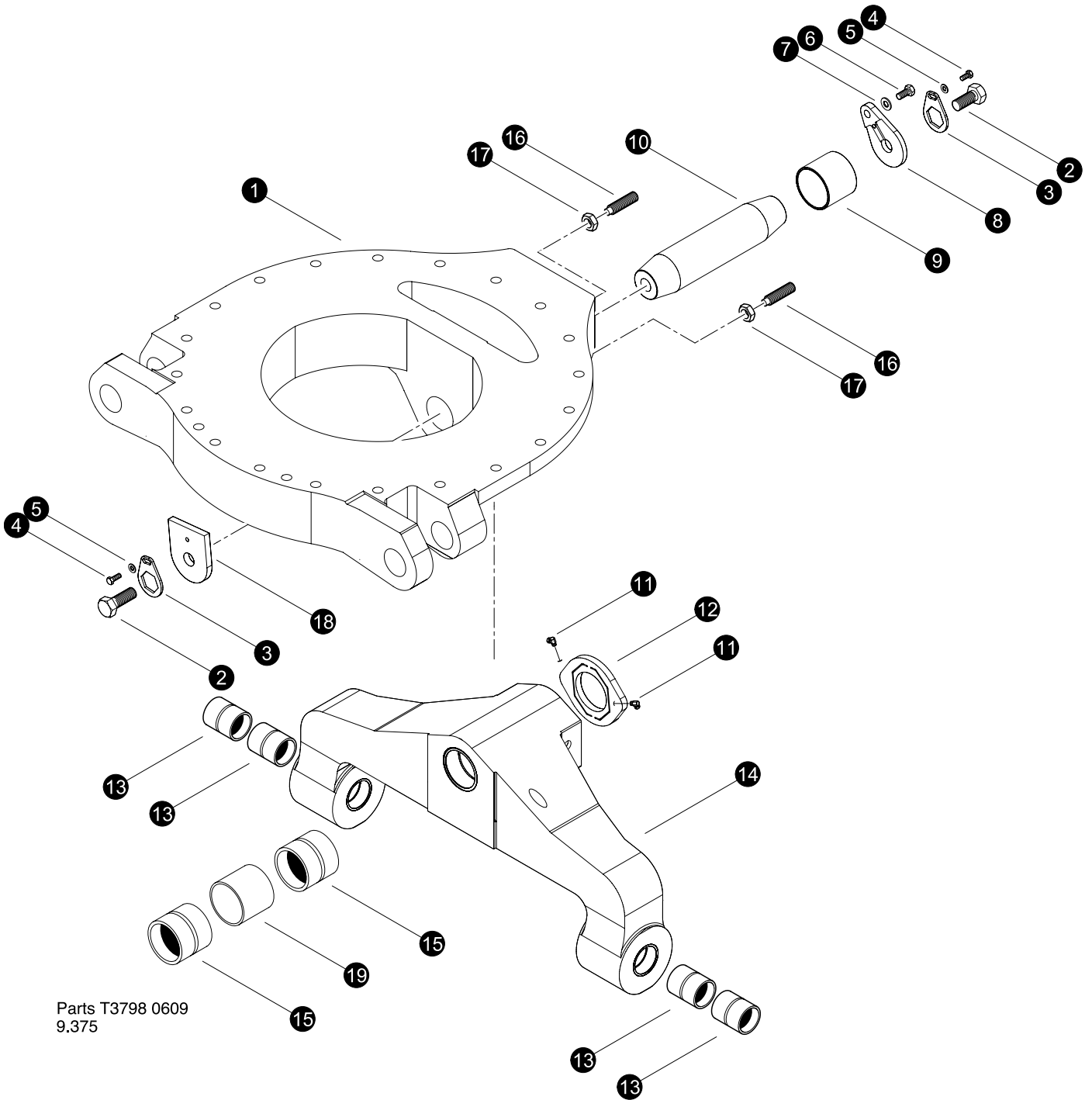
 See referenced page for component or assembly breakdown.



# ***Section LV-2***

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## ***Leveling Track Frame - Leveling Components***

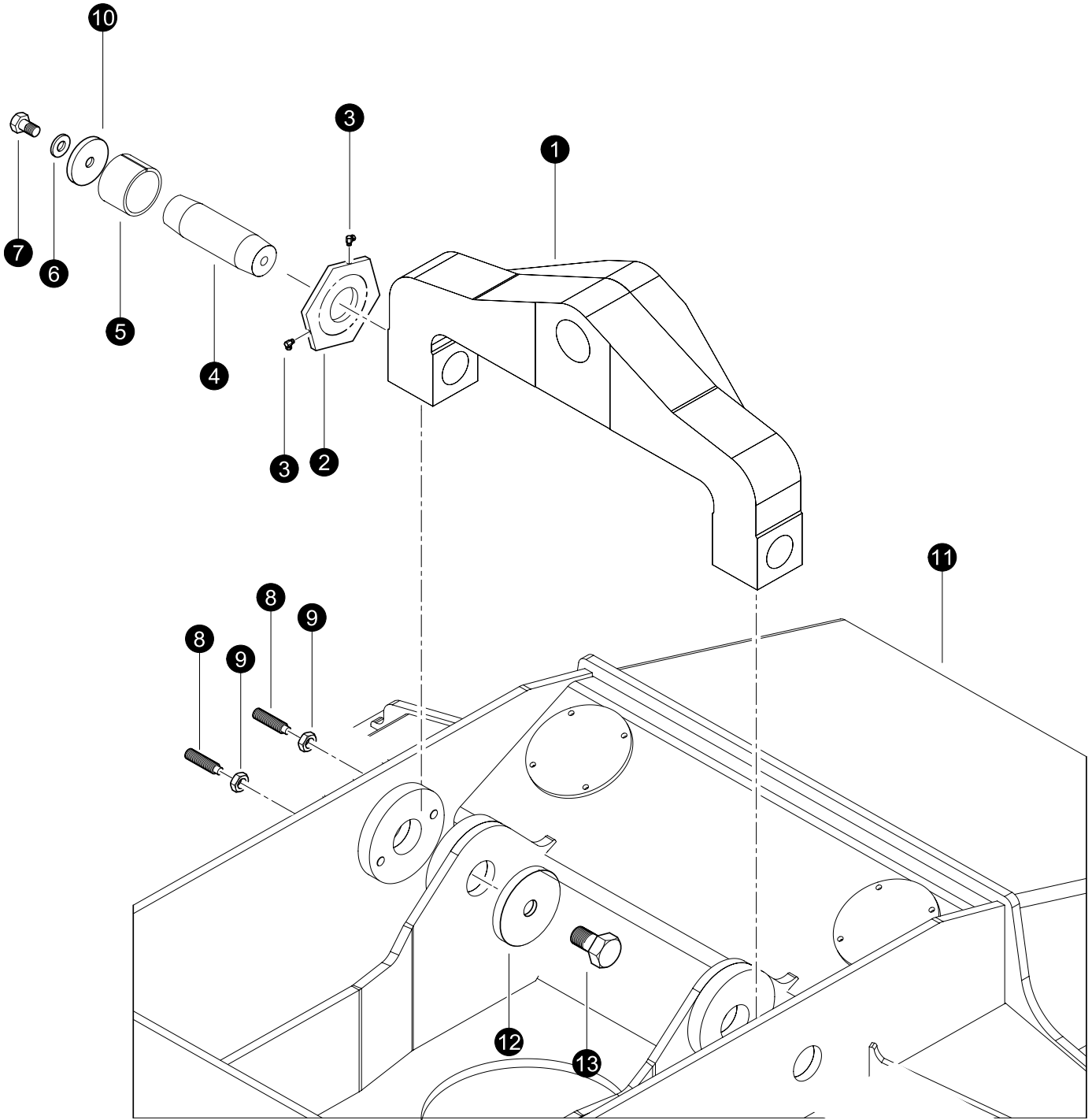


Parts T3798 0609  
9.375

## Leveling Components (General)



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	53861-LV	1	CASTING, MACHINED LOWER TURNTABLE +3	
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	52522-LV	4	BUSHING - 3.75" X 3.25" X 3.0"	
14	53860-LV	1	LEVELER, INTERMEDIATE SECTION +3	
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.

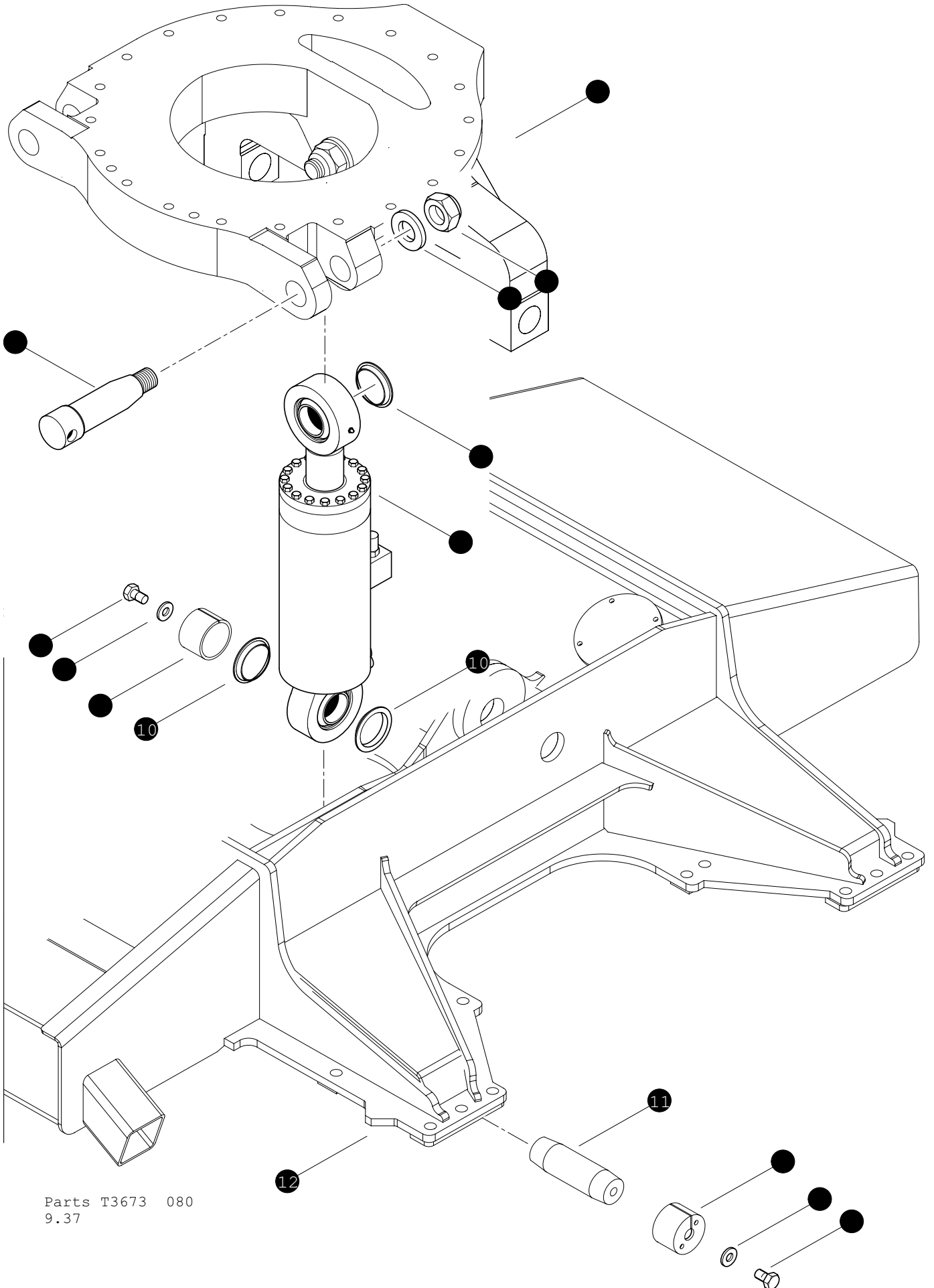


Parts T3896 0512  
9.375

## Leveling Yoke Installation




REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 LEVELING YOKE . . . . .	LV-2
2	52588-LV	1	PLATE, SLACK ADJUSTMENT SIDE	
3	15657-LV	2	ELBOW, 90 SWIVEL - 1501-2-2	
4	53820-LV	2	PIN - 3.25" X 11.12" DBL TAPERED THD CUR	
5	52558-LV	2	HUB, TAPER - 3.25"x 7 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	10733-LV	2	BOLT - 1" X 3"	

 See referenced page for component or assembly breakdown.



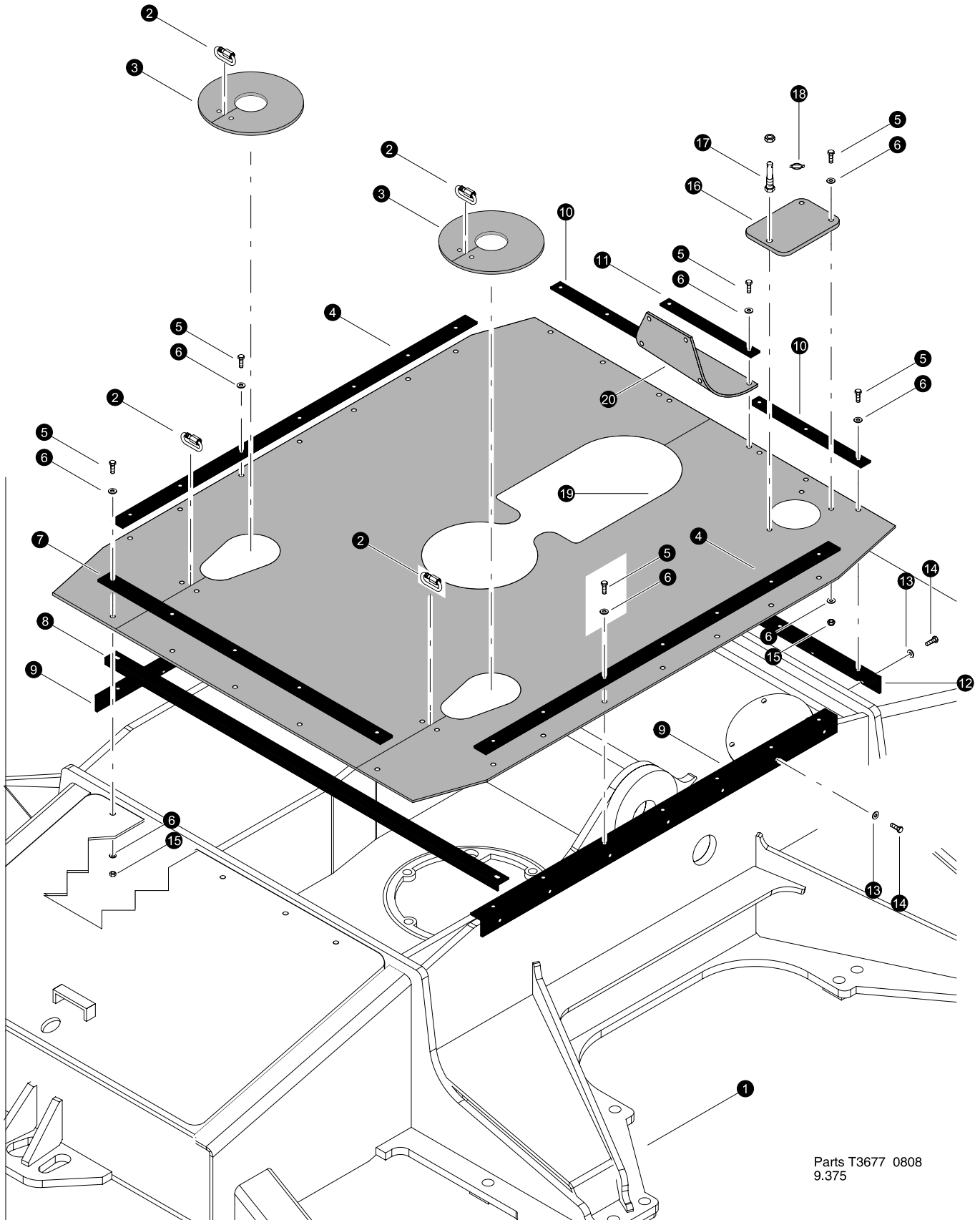
Parts T3673 080  
9.37

## 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	52520-LV	2	PIN, PIVOT LEVELING 3.25" X 15.5"	
5	52521-LV	4	SPACER - 4.50" X .700"	
6	REF.	2	 LEVEL CYLINDER .....	LV-3
7	10733-LV	4	BOLT - 1" X 3"	
8	52638-LV	4	WASHER, BURNED - 1 1/16" X 3" x 1/2"	
9	52558-LV	4	HUB, TAPER - 3.25"x 7 DEG	
10	52565-LV	4	SPACER - 3.25" X 1.00"	
11	52561-LV	2	PIN - 3.25" X 8.0" DBL TAPERED-CYL BASE	
12	REF.	1	 LEVELING TRACK CARBODY .....	LV-1




See referenced page for component or assembly breakdown.



Parts T3677 0808  
9.375

### Debris Shield Installation

REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 FRONT FRAME WELDMNT .....	LV-1
2	18578-LV		LINK, QUICK - BEARING AREA DEFLECTOR	
3	53663-LV	2	SKIRTING, LEVELING CYLINDER	
4	53235-LV	2	BAR, RETAINER SKIRTING SIDE	
5	15604-LV	31	BOLT - .25" X .75"	
6	10757-LV	40	WASHER, SAE FLAT - .25"	
7	53236-LV	1	BAR, RETAINER SKIRTING REAR	
8	53647-LV	1	ATTACHMENT, SKIRTING TOP REAR	
9	53233-LV	2	ATTACHMENT, SKIRTING SIDE	
10	53234-LV	2	BAR, RETAINER SKIRTING FRONT ENDS	
11	53259-LV	1	BAR, RETAINER SKIRTING FRONT CENTER	
12	53232-LV	1	ATTACHMENT, SKIRTING FRONT	
13	10757-LV	21	WASHER, SAE FLAT - .25"	
14	15604-LV	21	BOLT - .25" X .75"	
15	10811-LV	7	NUT, LOCK - .25"	
16	53662-LV	1	SKIRTING, FUEL FLAP	
17	-LV	1	PIN, Hood Lock	
18	52464-LV	1	PIN, HITCH CLIP - .25	
19	53660-LV	1	SKIRTING, MAIN - FULL LENGTH	
20	53661-LV	1	SKIRTING, FRONT CASTING	

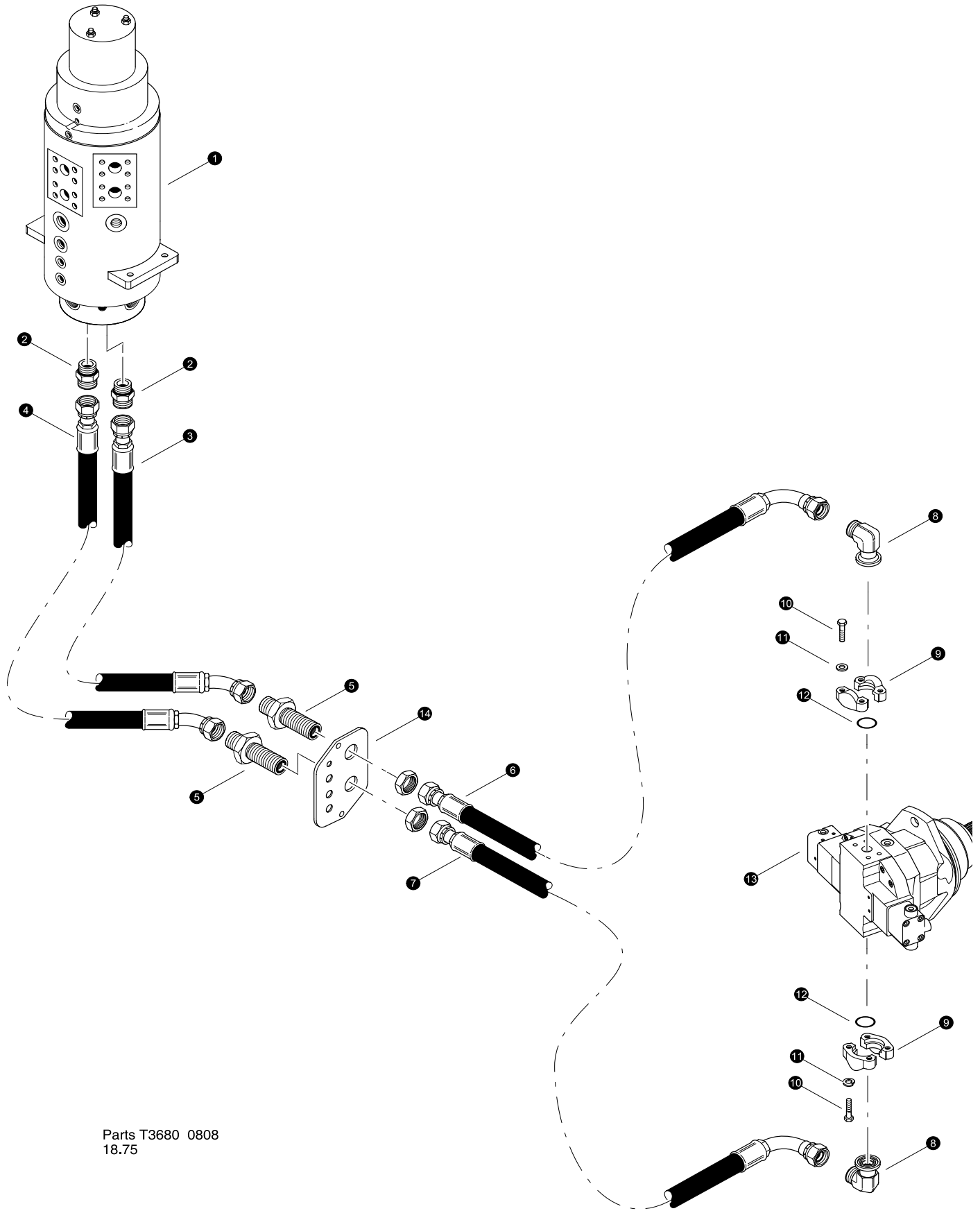
 See referenced page for component or assembly breakdown.



# ***Section LV-3***

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## ***Leveling Frame - Hydraulics***



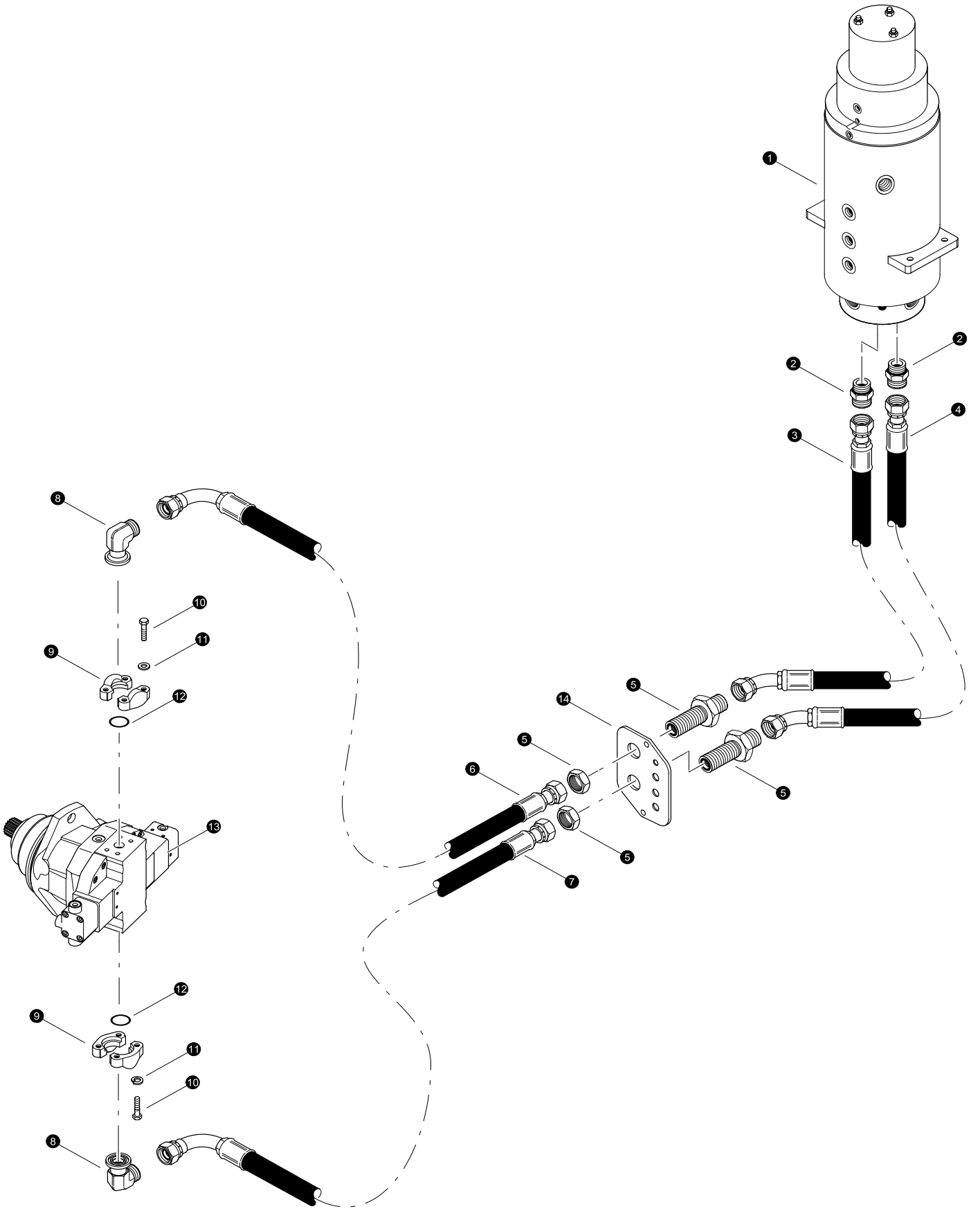
Parts T3680 0808  
18.75

## RIGHT DRIVE MOTOR LINES

### (Rotary Manifold to Right Drive Motor)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY MANIFOLD.....	UP-1
2	15225-LV	2	CONNECTOR, STR - FF1852T-1616S	
3	-LV	1	HOSE ASSEMBLY - 6054-16-160S-1604 (bulkhead to rotary manifold #11)	
4	-LV	1	HOSE ASSEMBLY - 6054-16-160S-1604 (bulkhead to rotary manifold #9)	
5	20033-LV	2	CONNECTOR, STR BULKHEAD - 16	
6	-LV	1	HOSE ASSEMBLY - 6048.5-16-16JS-1609 (bulkhead plate to drive motor)	
7	-LV	1	HOSE ASSEMBLY - 6054.5-16-16J S-1609 (bulkhead plate to drive motor)	
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	53186-LV	1	BULKHEAD, TRACK HOSES R.H.	

 See referenced page for component or assembly breakdown.

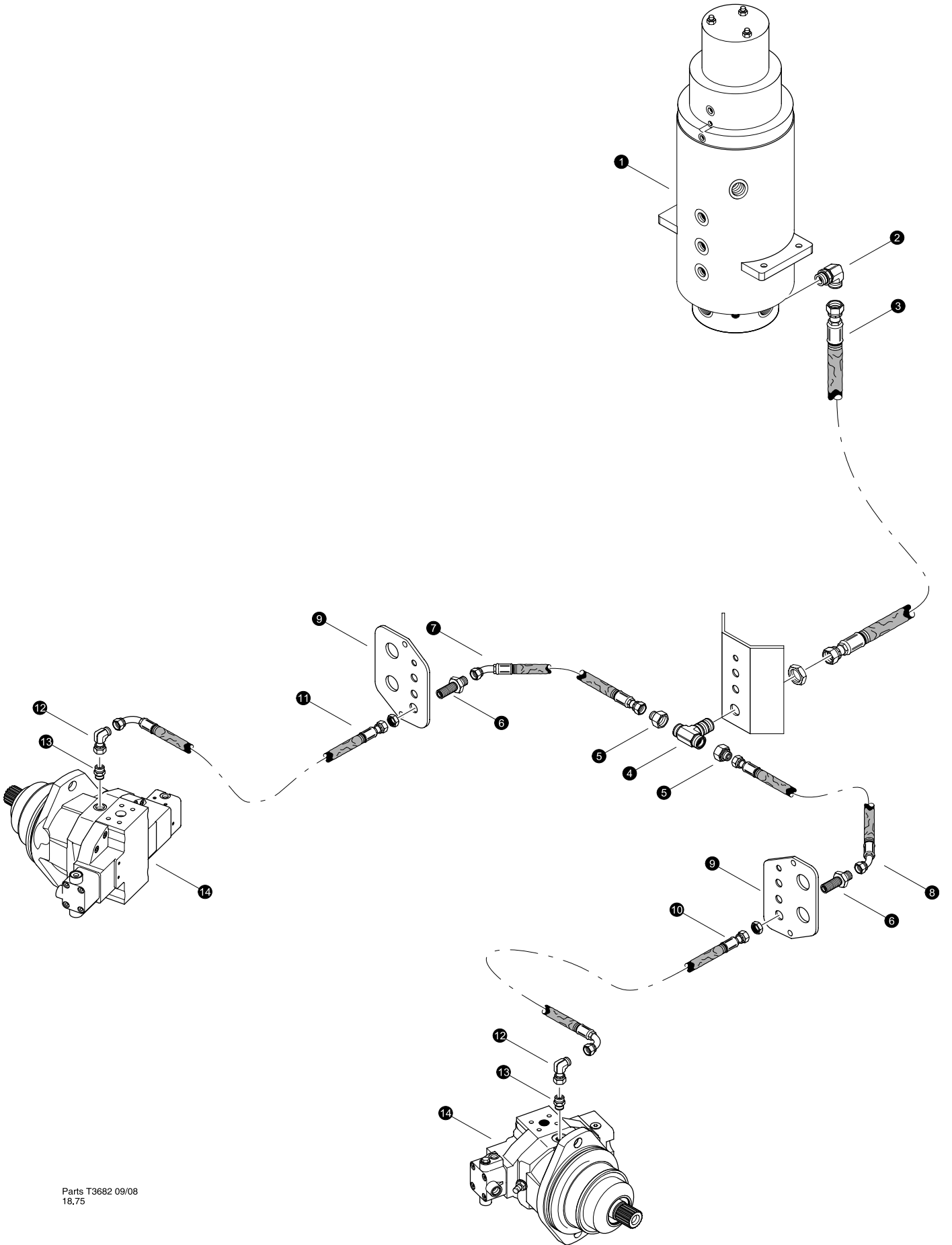


Parts T3681 09/08  
18.75

**LEFT DRIVE MOTOR LINES**  
**(Rotary Manifold to Left Drive Motor)**


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY MANIFOLD.....	UP-1
2	15225-LV	2	CONNECTOR, STR - FF1852T-1616S	
3	-LV	1	HOSE ASSEMBLY - 6056-16-160S-1604 (bulkhead to rotary manifold #12)	
4	-LV	1	HOSE ASSEMBLY - 6051-16-160S-1604 (bulkhead to rotary manifold #10)	
5	20033-LV	2	CONNECTOR, STR BULKHEAD - 16	
6	-LV	1	HOSE ASSEMBLY - 6048.5-16-16JS-1609 (bulkhead plate to drive motor)	
7	-LV	1	HOSE ASSEMBLY - 6054.5-16-16JS-1609 (bulkhead plate to drive motor)	
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	53187-LV	1	BULKHEAD, TRACK HOSES L.H.	


 See referenced page for component or assembly breakdown.

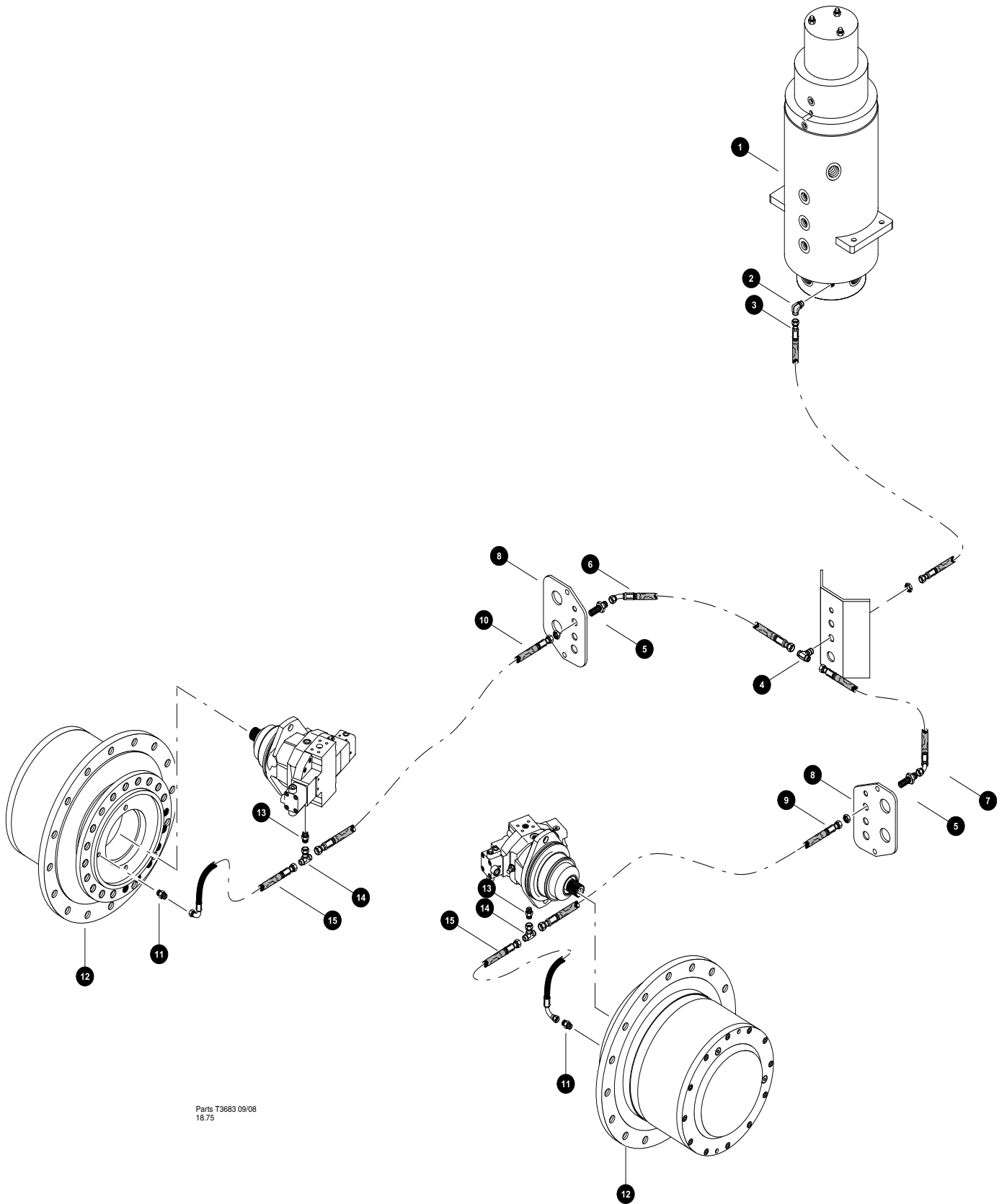


Parts T3682 09/08  
18,75

**MOTOR CASE DRAIN**  
(Rotary Manifold to Drive Motor Case Drains)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY MANIFOLD . . . . .	UP-1
2	17688-LV	1	ELBOW, 90 - FF1868T-1212S	
3	-LV	1	HOSE ASSEMBLY - 2048-12-120S-120S-W (bulkhead tee to rotary manifold port V1)	
4	22716-LV	1	TEE, BULKHEAD - 2703-12 (BRANCH)	
5	18581-LV	2	CONNECTOR, REDUCER - ORS FF2281T-0812S	
6	20196-LV	2	CONNECTOR, STR BULKHEAD - FF1994T-0808S	
7	-LV	1	HOSE ASSEMBLY - 2018.5-08-080S-0804-W (bulkhead tee to bulkhead)	
8	-LV		HOSE ASSEMBLY - 2018.5-08-080S-0804-W (bulkhead tee to bulkhead)	
9	REF		BULKHEAD PLATE . . . . .	LV-3
10	-LV	1	HOSE ASSEMBLY - 2056-08-080S-080S-W (bulkhead tee to bulkhead)	
11	-LV		HOSE ASSEMBLY - 2056-08-080S-080S-W (bulkhead tee to bulkhead)	
12	16297-LV	2	ELBOW, 90 SWIVEL - FF2098T-0808S	
13	52439-LV	2	CONNECTOR, MALE ISO 6149	
14	REF	2	TRACK DRIVE MOTOR . . . . .	TS


 See referenced page for component or assembly breakdown.

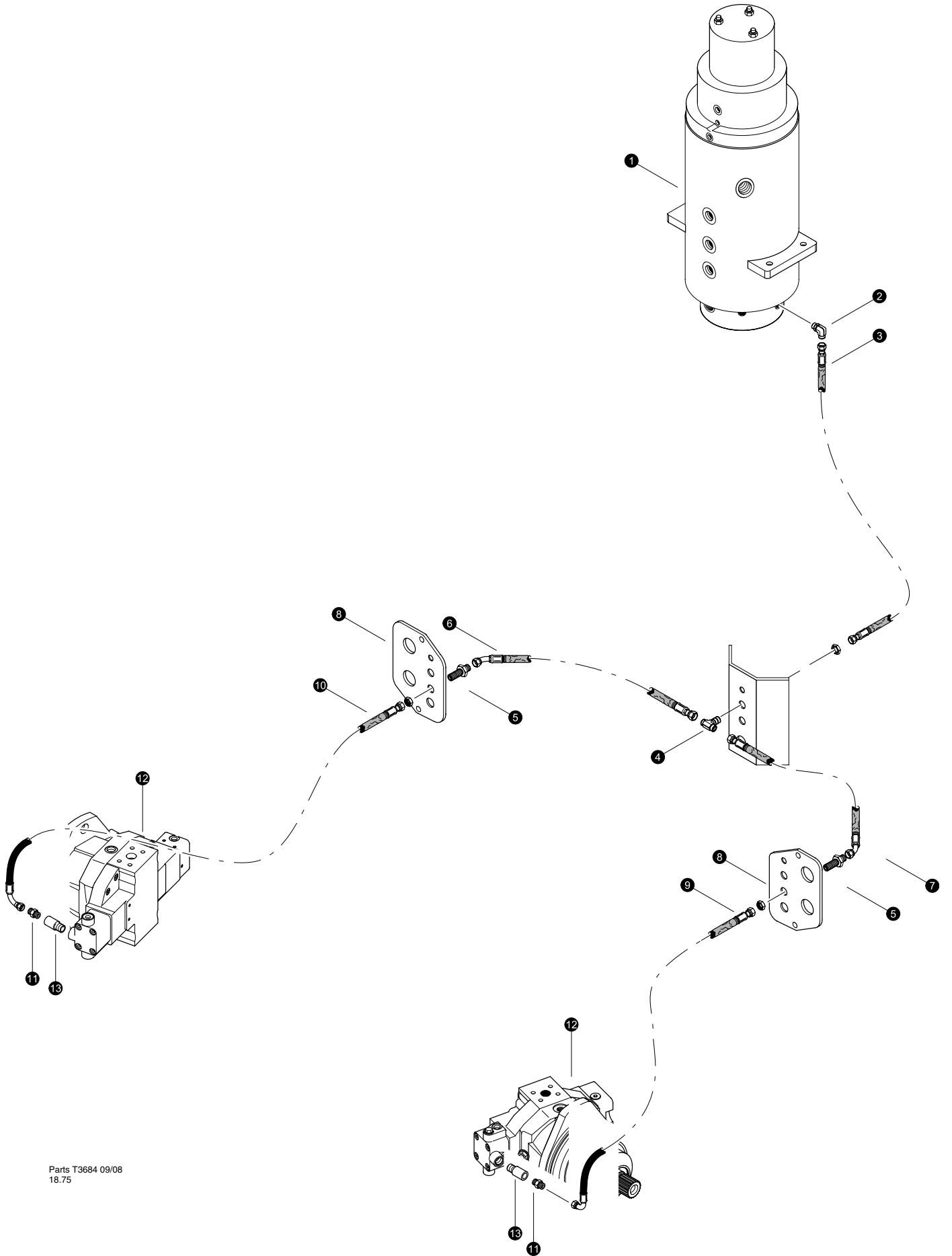


Parts T3683 09/08  
18.75

## PARKING BRAKE (Rotary Manifold to Track Parking Brake)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY MANIFOLD . . . . .	UP-1
2	16296-LV	1	ELBOW, 90 - FF1868T-0606S	
3	-LV	1	HOSE ASSEMBLY - 2044-06-060S-060S-W (bulkhead tee to rotary manifold port 7)	
4	52902-LV	1	BULKHEAD, BRANCH TEE - 6	
5	50420-LV	2	CONNECTOR, STR BULKHEAD - 832-TT-06	
6	-LV	1	HOSE ASSEMBLY - 2019.5-06-060S-0604-W (bulkhead tee to bulkhead)	
7	-LV	1	HOSE ASSEMBLY - 2019.5-06-060S-0604-W (bulkhead tee to bulkhead)	
8	REF		BULKHEAD PLATE . . . . .	LV-3-1,2
9	-LV	1	HOSE ASSEMBLY - 2077-06-060S-0609-W (bulkhead tee to track motor)	
10	-LV	1	HOSE ASSEMBLY - 2077-06-060S-0609-W (bulkhead tee to track motor)	
11	53124-LV	2	FITTING, MALE CONNECTOR ISO 6149	
12	REF	2	TRACK DRIVE MOTOR . . . . .	TS
13	54795-LV	2	CONNECTOR, STR ORIFICED .04" TRACK MOTOR	
14	52900-LV	2	SWIVEL, NUT BRANCH TEE #6	
15	-LV	2	HOSE ASSEMBLY - 2022-06-060S-0604-W (tee to track motor)	

 See referenced page for component or assembly breakdown.

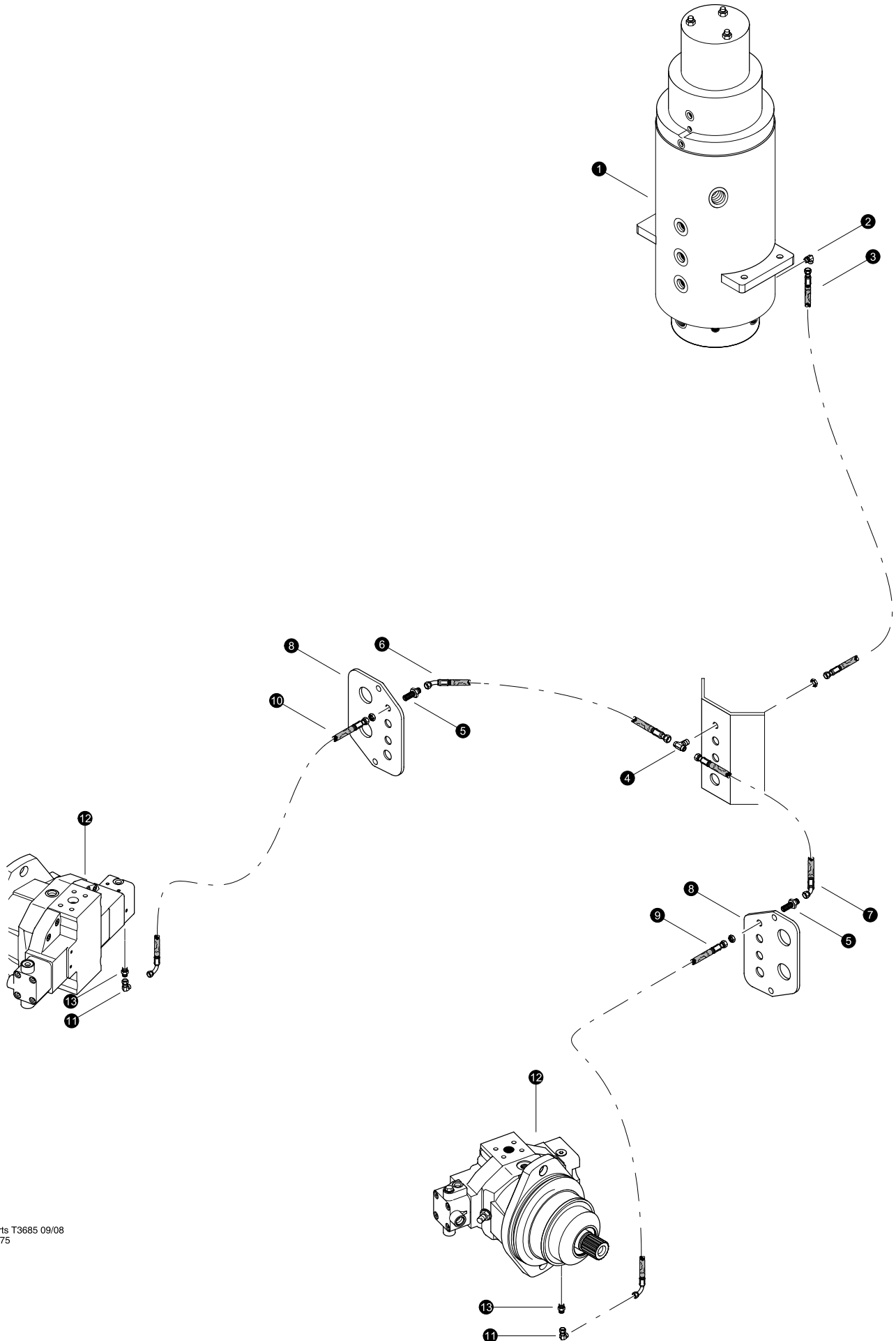


Parts T3684 09/08  
18.75

### Motor Flushing Return (Rotary Manifold to Track Motor Flushing Return)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY MANIFOLD . . . . .	UP-1
2	16296-LV	1	ELBOW, 90 - FF1868T-0606S	
3	-LV	1	HOSE ASSEMBLY - 2044-06-060S-060S-W (bulkhead tee to rotary manifold port 1)	
4	52902-LV	1	BULKHEAD, BRANCH TEE - 6	
5	50420-LV	2	CONNECTOR, STR BULKHEAD - 832-TT-06	
6	-LV	1	HOSE ASSEMBLY - 2019.5-06-060S-0604-W (bulkhead tee to bulkhead)	
7	-LV		HOSE ASSEMBLY - 2019.5-06-060S-0604-W (bulkhead tee to bulkhead)	
8	REF		BULKHEAD PLATE . . . . .	LV-3-1,2
9	-LV	1	HOSE ASSEMBLY - 2078-06-060S-0609-W (bulkhead tee to track motor)	
10	-LV		HOSE ASSEMBLY - 2078-06-060S-0609-W (bulkhead tee to track motor)	
11	18034-LV	2	CONNECTOR, STR - FF1852T-0606S	
12	REF	2	TRACK DRIVE MOTOR . . . . .	TS
13	53651-LV	2	FITTING, FLUSHING ORIFICE - TRACK MOTOR	

 See referenced page for component or assembly breakdown.

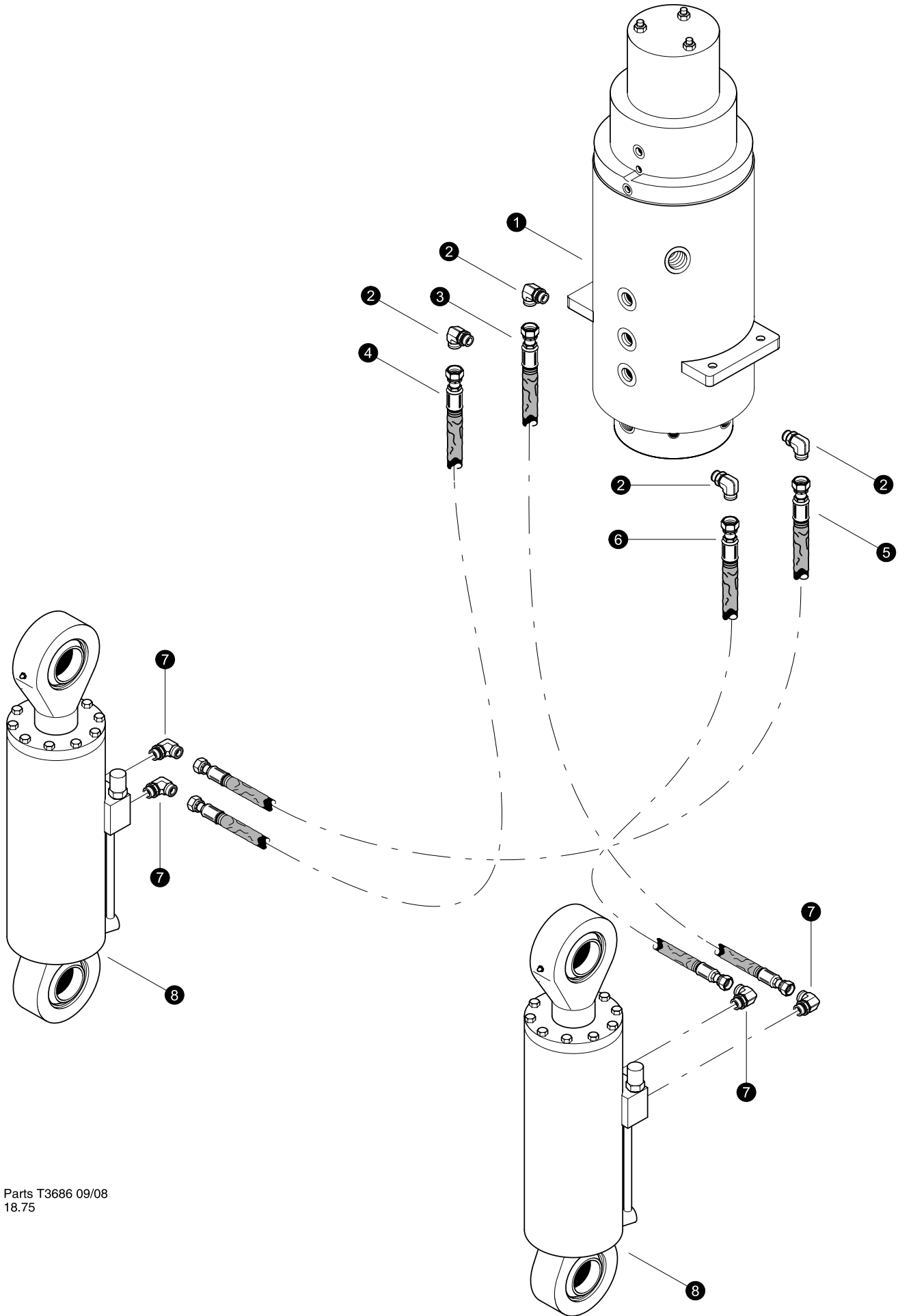


Parts T3685 09/08  
18.75

### Track Motor Shift (Rotary Manifold to Track Motor Shift)



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY MANIFOLD . . . . .	UP-1
2	16540-LV	1	ELBOW, 90 - FF1868T-0404S	
3	-LV	1	HOSE ASSEMBLY - 2043-04-040S-040S-W (bulkhead tee to rotary manifold port 3)	
4	52901-LV	1	BULKHEAD, BRANCH TEE - 4	
5	18582-LV	2	CONNECTOR, STR BULKHEAD - FF1994T-0404S	
6	-LV	1	HOSE ASSEMBLY - 2020-04-040S-0404-W (bulkhead tee to bulkhead)	
7	-LV		HOSE ASSEMBLY - 2020-04-040S-0404-W (bulkhead tee to bulkhead)	
8	REF		BULKHEAD PLATE . . . . .	LV-3-1,2
9	-LV	1	HOSE ASSEMBLY - 2054-04-040S-0404-W (bulkhead tee to track motor)	
10	-LV		HOSE ASSEMBLY - 2054-04-040S-0404-W (bulkhead tee to track motor)	
11	15145-LV	2	ELBOW, 90 SWIVEL - FF2098T-0404S	
12	REF	2	TRACK DRIVE MOTOR . . . . .	TS
13	53157-LV	2	FITTING, CONNECTOR - #4 ORF - 14MM	


 See referenced page for component or assembly breakdown.

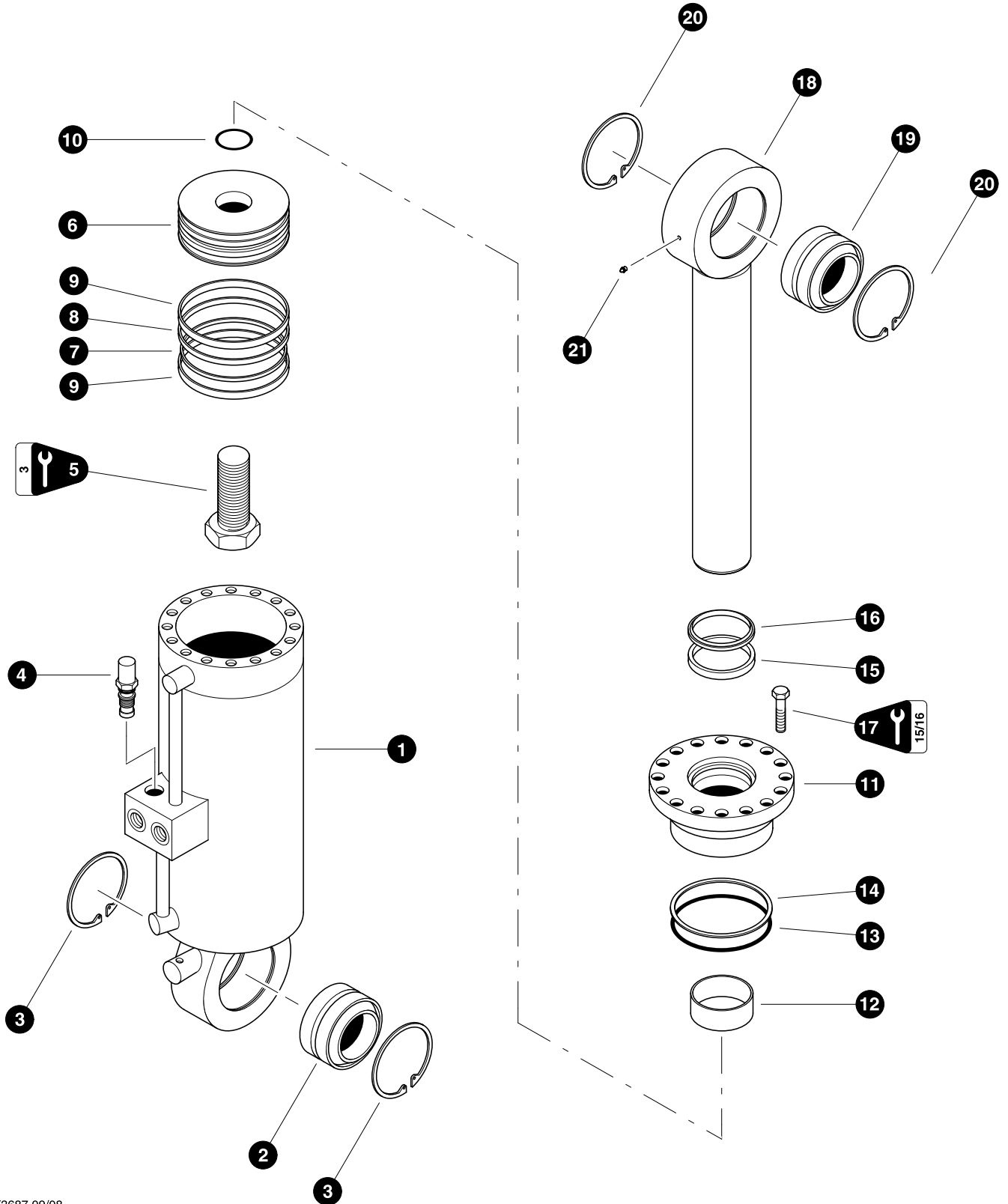


Parts T3686 09/08  
18.75

## 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 - 4050-08-080S-0804-W (rotary manifold #2. to right cylinder base)	
4	-LV	1	HOSE ASSEMBLY - 4050-08-080S-0804-W (rotary manifold #6. to left cylinder base)	
5	-LV	1	HOSE ASSEMBLY - 4050-08-080S-0804-W (rotary manifold #4. to left cylinder rod)	
6	-LV	1	HOSE ASSEMBLY - 4050-08-080S-0804-W (rotary manifold #5. to right cylinder rod)	
7	15154-LV	4	ELBOW, 90 - FF1868T-0810S	
8	REF	2	 LEVELING CYLINDER . . . . .	LV-3

 See referenced page for component or assembly breakdown.



Parts T3687 09/08  
18.75

## LEVELING CYLINDER BREAKDOWN

REF	PART #	QTY		DESCRIPTION	SEE SECTION
-	52512-LV	1	☐	CYLINDER, LEVEL - 6.5X16" TRACK MACH	
1	54087-LV	1	☐	BARREL ASSEMBLY (203421B)	
2	54105-LV	1		BUSHING, spherical- 3.25"	
3	-LV	2		RING, snap - 3" spherical bushing	
4	-LV	2		CARTRIDGE, holding	
5	-LV	1		BOLT, cylinder rod - 2" x 4-1/4" (2700 +/- 200 ft.lbs. (3600 +/- 265 Nm)) (711181A)	
6	54070-LV	1	☐	PISTON (400556B)	
7	NSS	1	◆	RING, piston square	
8	NSS	1	◆	RING, piston chem-cast	
9	NSS	2	◆	RING, piston wear	
10	NSS	1	◆	O-RING, piston	
11	54072-LV	1	☐	BEARING, rod assembly (5000697B)	
12	NSS	1	◆	WIPER, rod	
13	NSS	1	◆	O-RING, rod bearing	
14	NSS	1	◆	RING, rod bearing back-up	
15	NSS	1	◆	U-CUP, rod bearing	
16	NSS	1	◆	RING, rod bearing wear	
17	19956-LV	16		BOLT - 5/8" x 2-1/4" (175ft.lbs (233 Nm)) (711034A)	
18	54069-LV	1	☐	ROD ASSEMBLY (302111B)	
19	54105-LV	1		BUSHING, spherical - 3.25"	
20	-LV	2		RING, snap - 3" spherical bushing	
21	-LV	1		FITTING, grease	

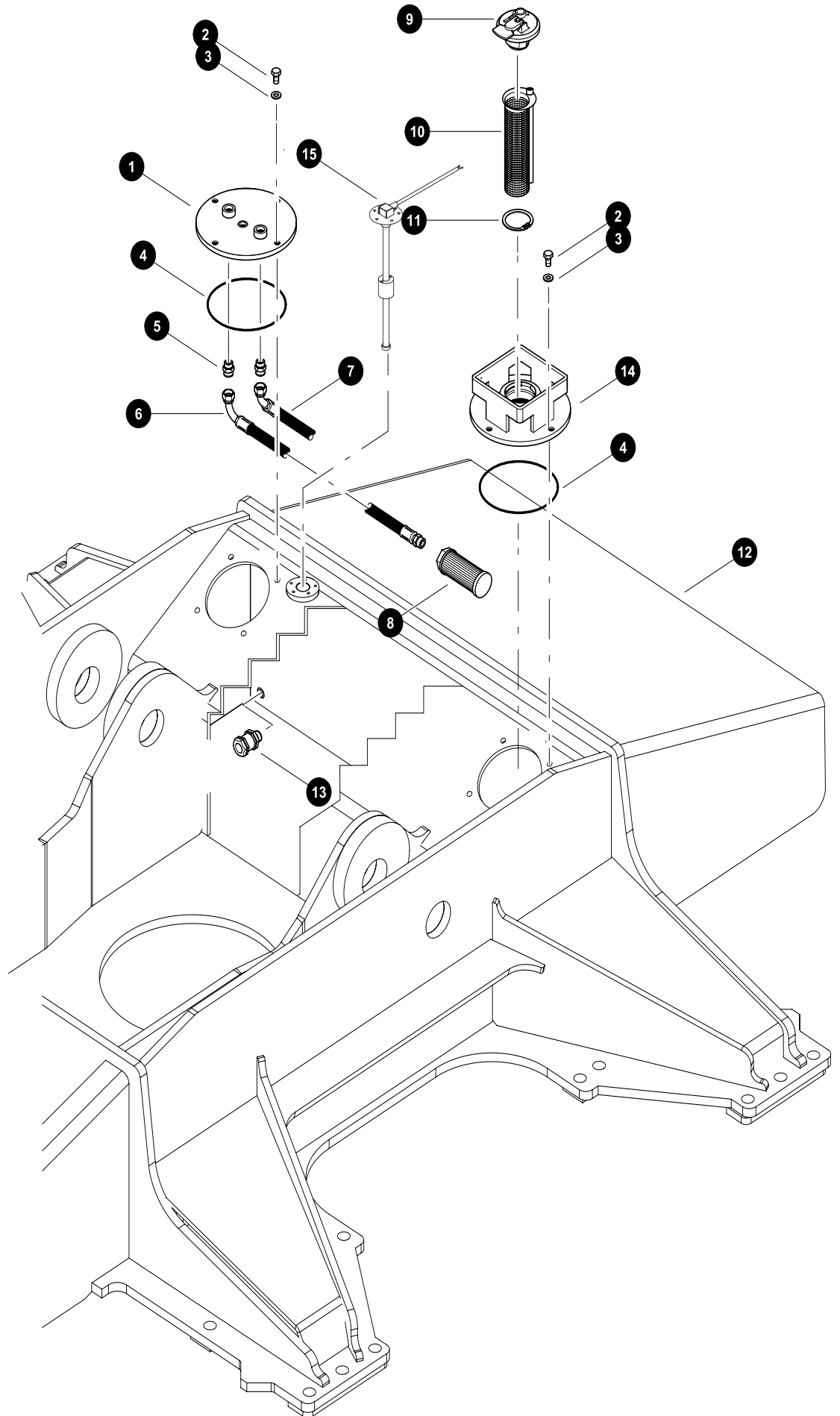
- ☐ Kit or Assembly - includes all items indented underneath.  
 ◆ Included in seal repair kit Part # 53641-LV



# ***Section LV-4***


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## ***Leveling Frame - Fuel Tank Components***

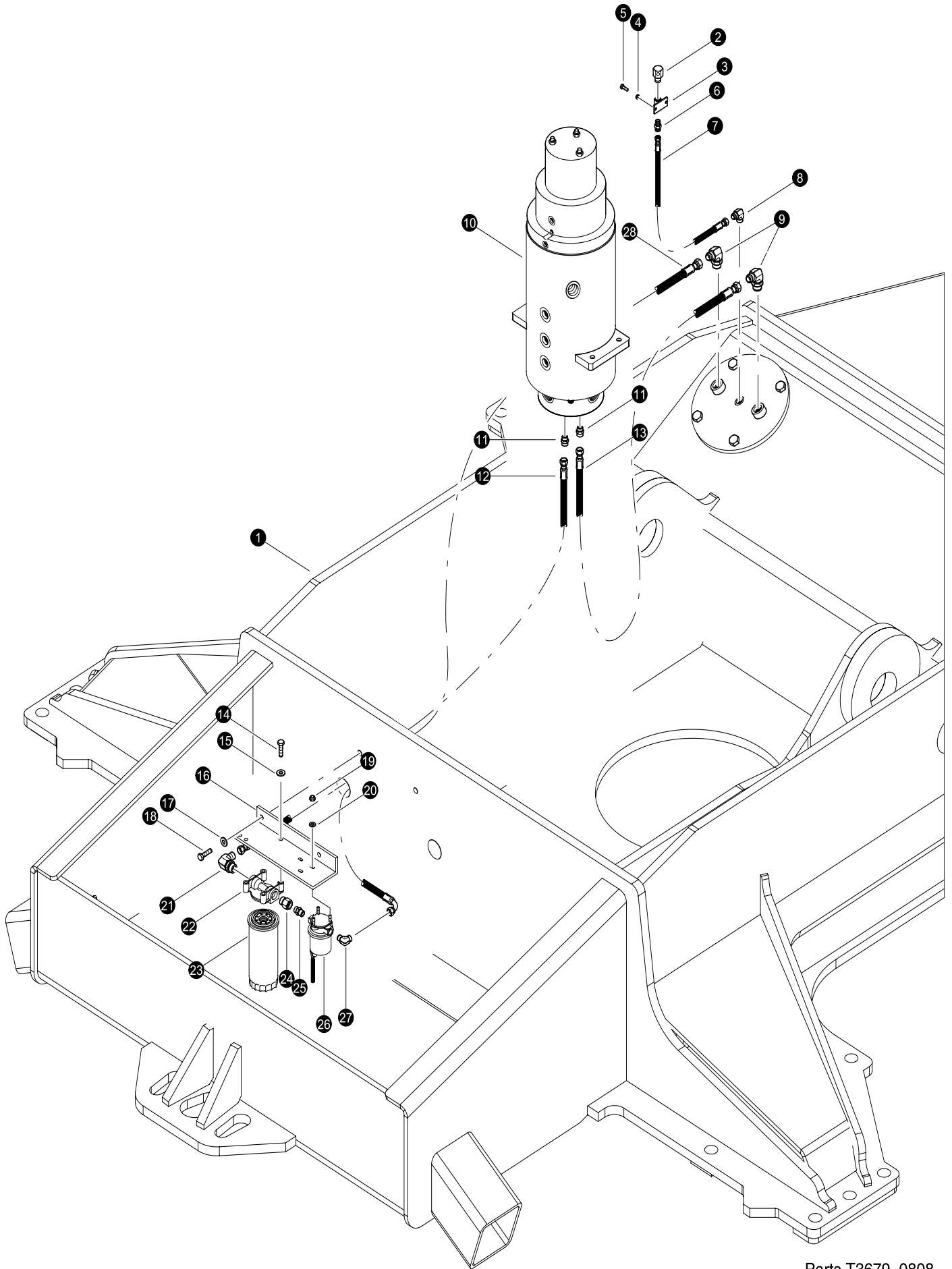


Parts T3678 0808

## 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 WELDMNT . . . . .	LV-1
13	53885-LV	1	VALVE, CHECK - FUEL TANK (replaces 15652)	
14	14079-LV	1	COVER, fuel tank	
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**

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)	

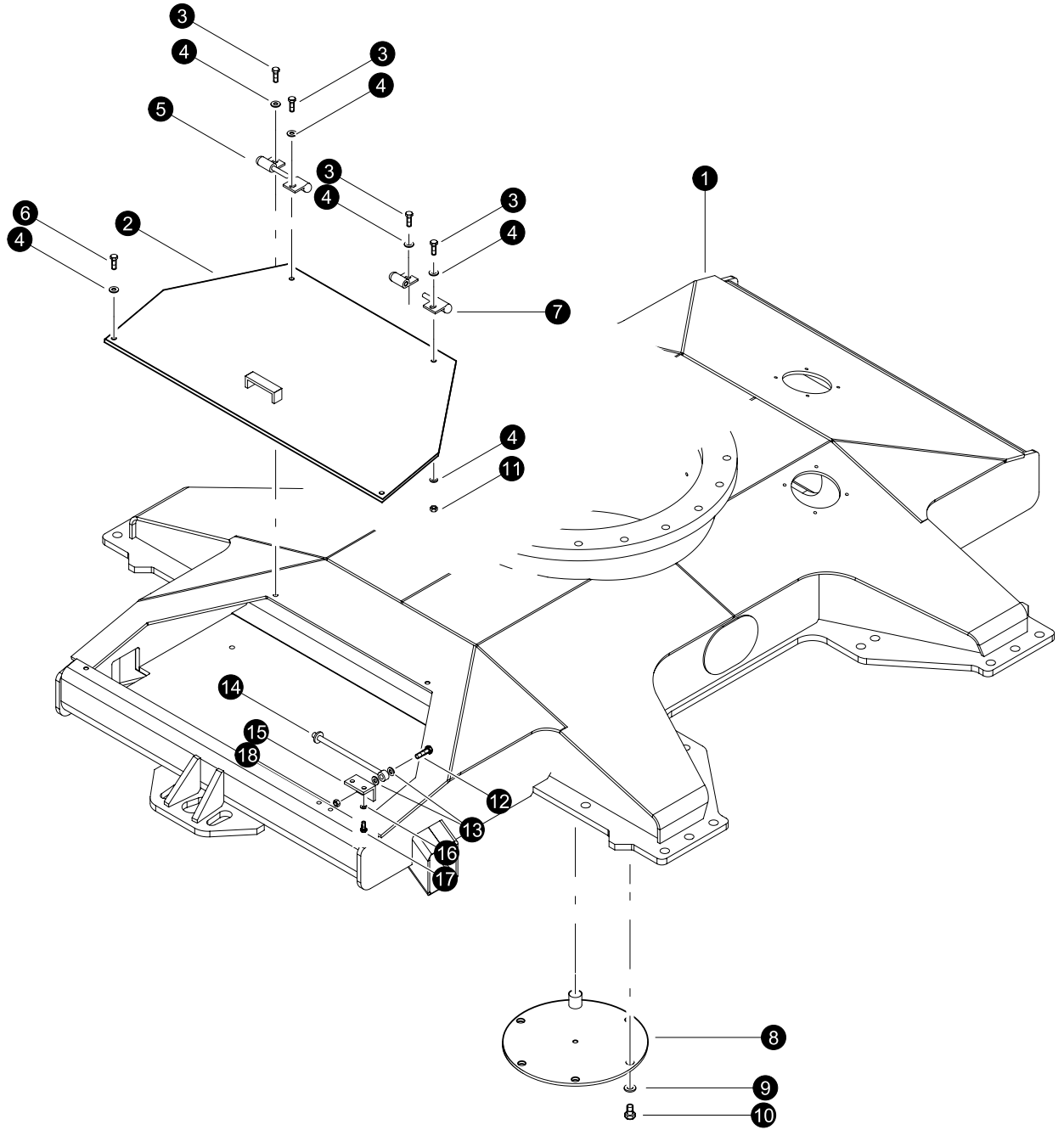
 See referenced page for component or assembly breakdown.



# ***Section NV-1***

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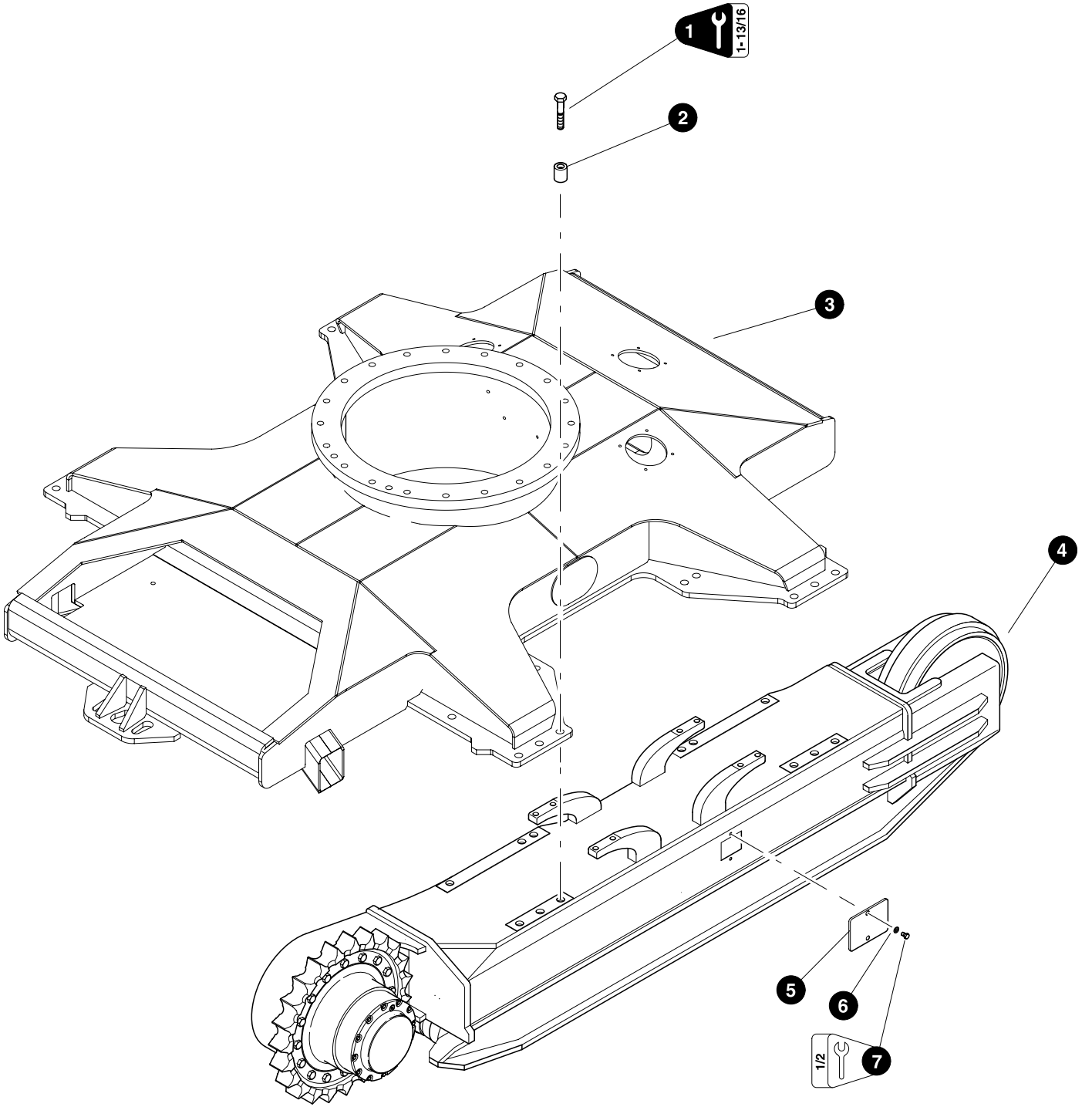
## ***Non-Leveling Track Frame - Frame and Covers***



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  
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### 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	

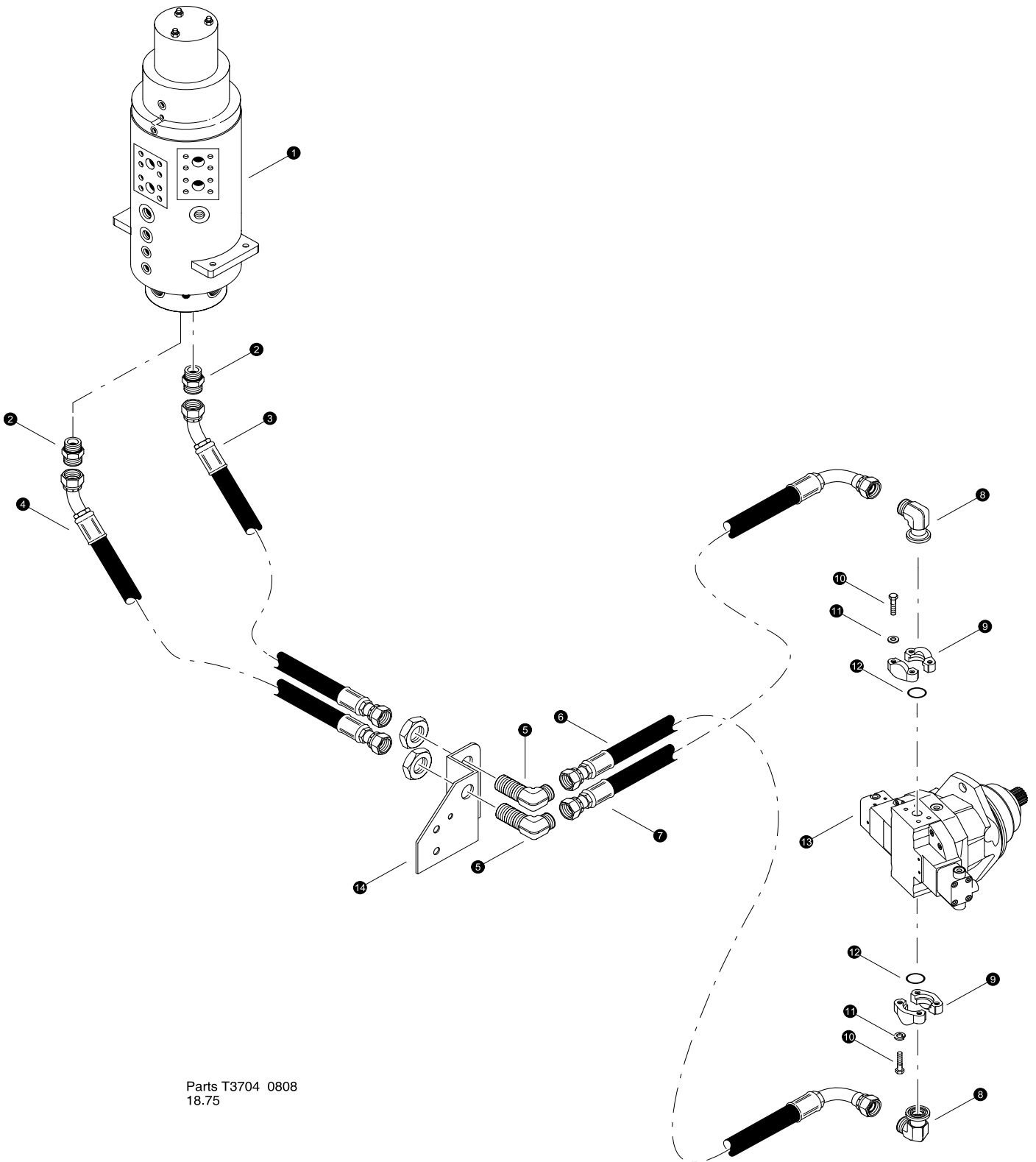
 See referenced page for component or assembly breakdown.




# ***Section NV-2***


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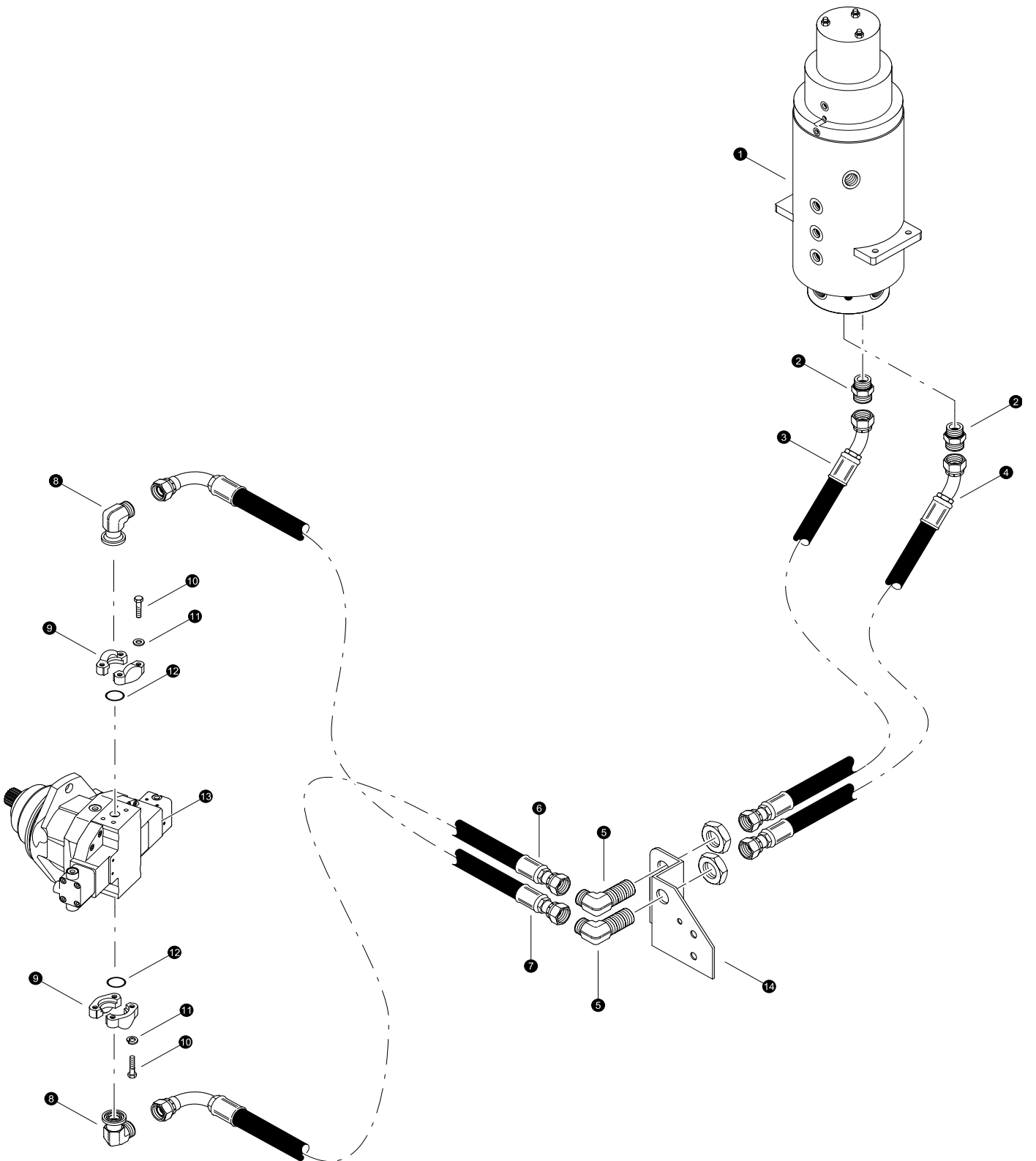
## ***Non-Leveling Frame - Hydraulics***



## RIGHT DRIVE MOTOR LINES (Rotary Manifold to Right Drive Motor)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY 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.

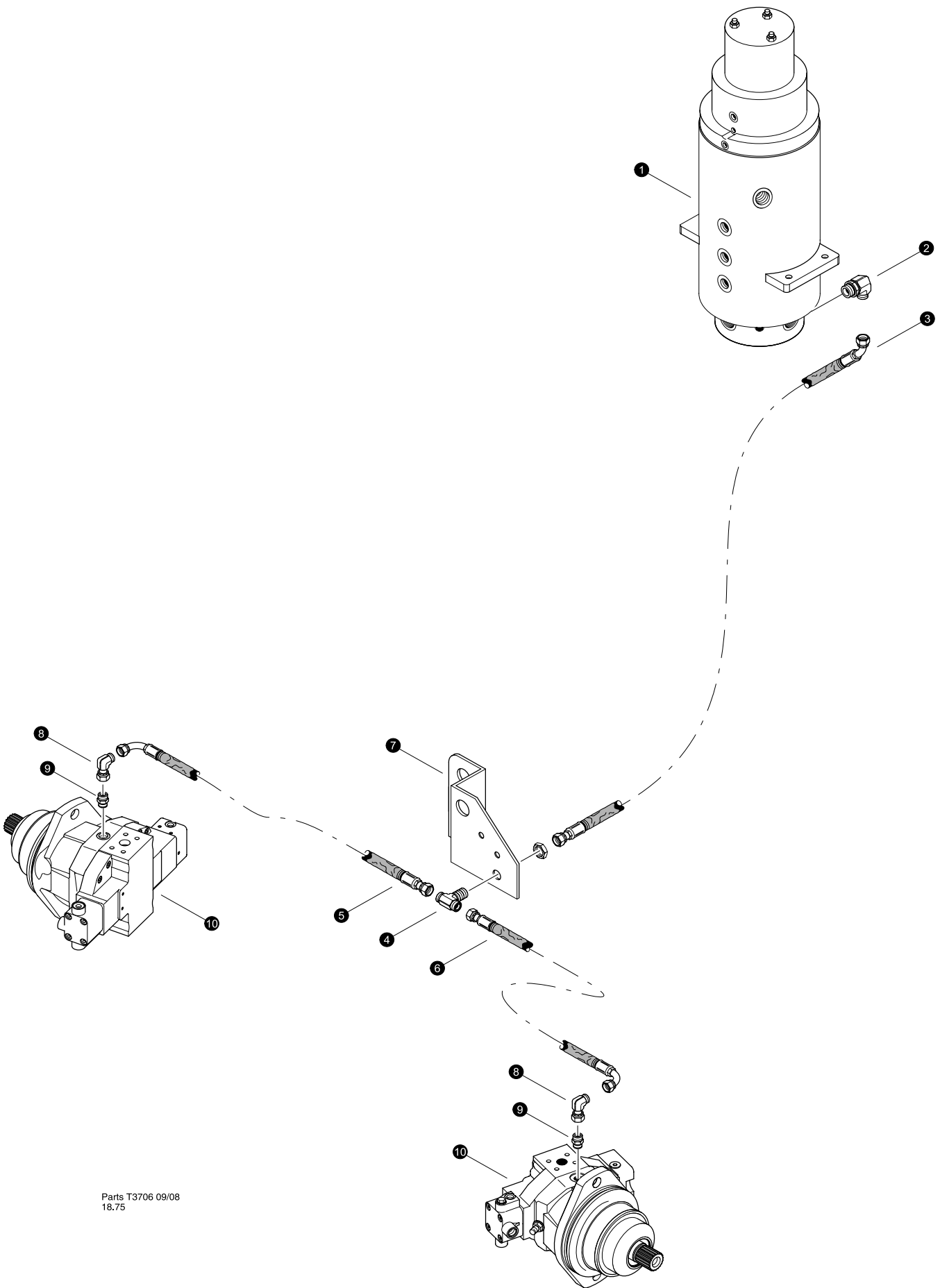


Parts T3681 09/08  
18,75

### LEFT DRIVE MOTOR LINES (Rotary Manifold to Right Drive Motor)


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY 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.

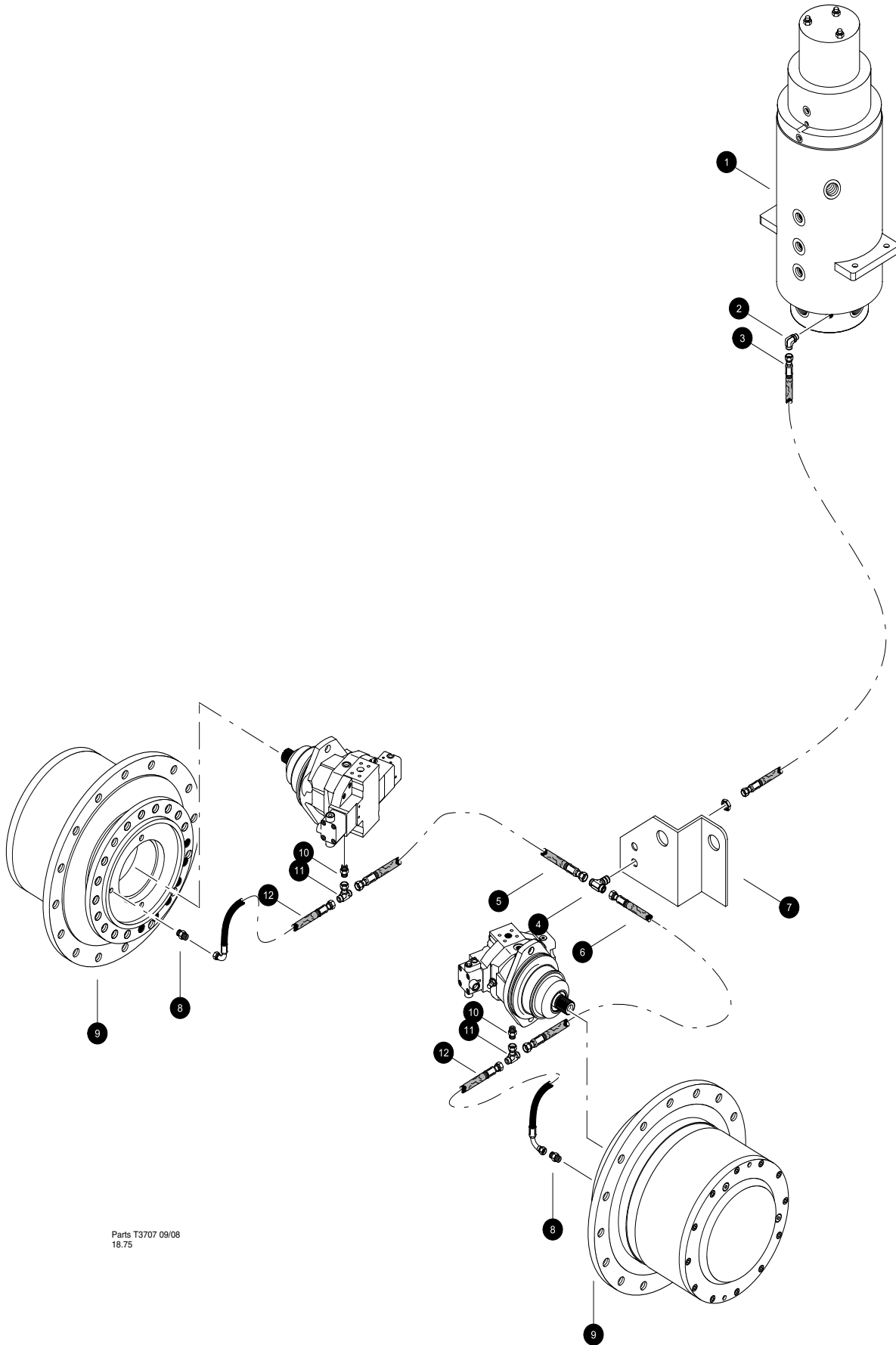


Parts T3706 09/08  
18.75

**MOTOR CASE DRAIN**  
**(Rotary Manifold to Drive Motor Case Drains)**


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY 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.

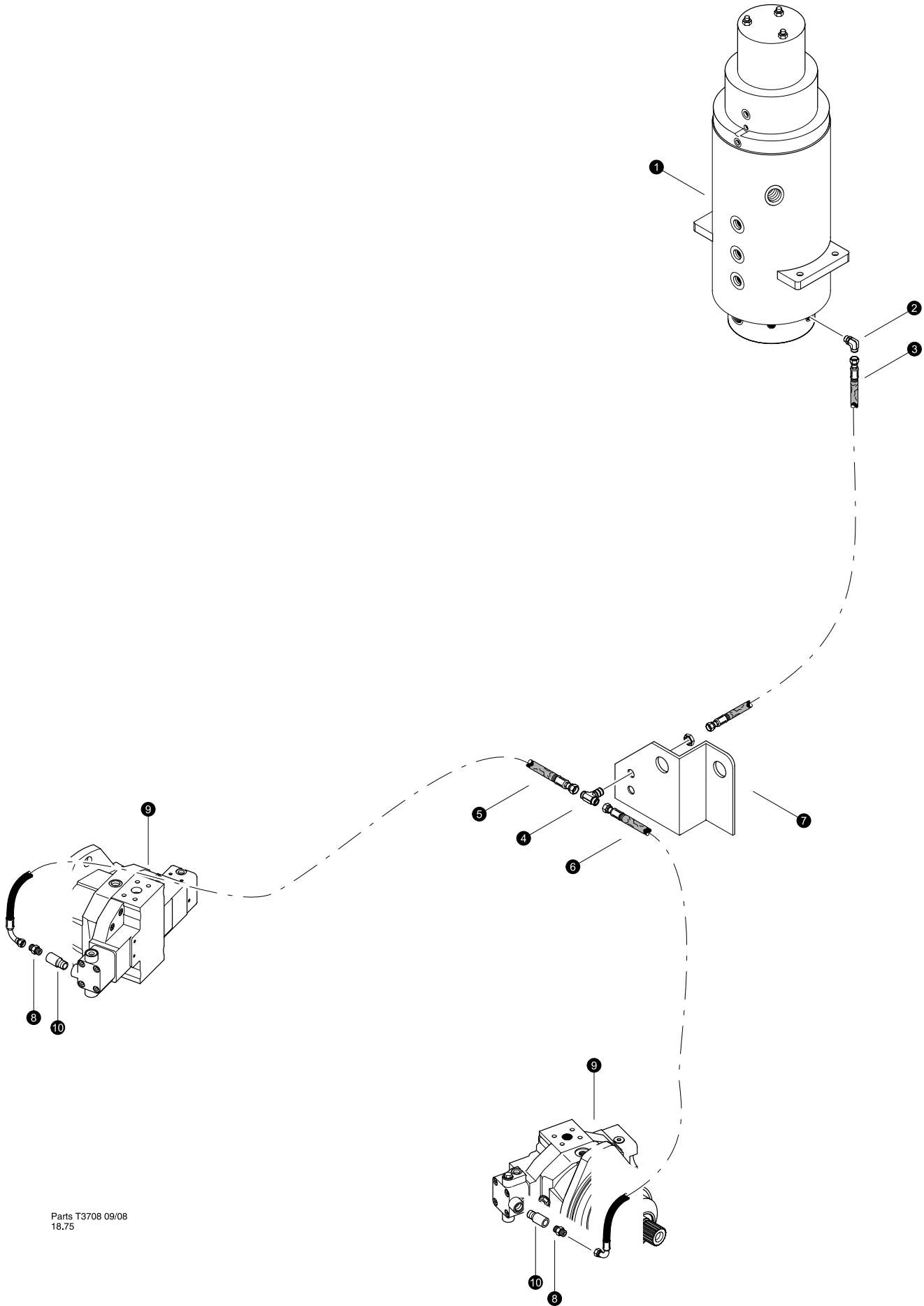


Parts T3707 09/08  
18.75

**PARKING BRAKE**  
**(Rotary Manifold to Track Parking Brake)**


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY 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	1	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 ORIFCED .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.

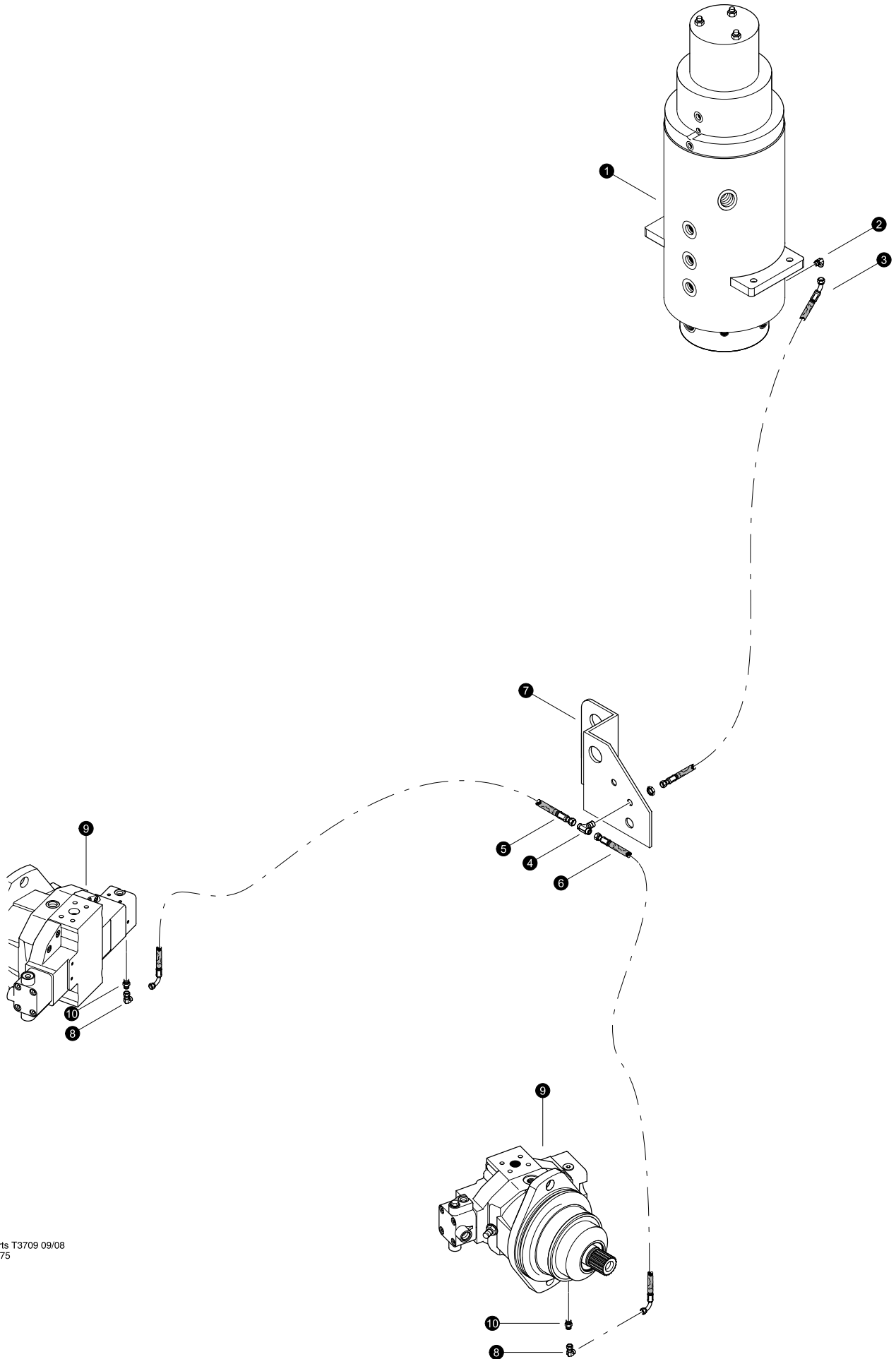


Parts T3708 09/08  
18.75

**Motor Flushing Return**  
**(Rotary Manifold to Track Motor Flushing Return)**


REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 ROTORY 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	 ROTORY 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	

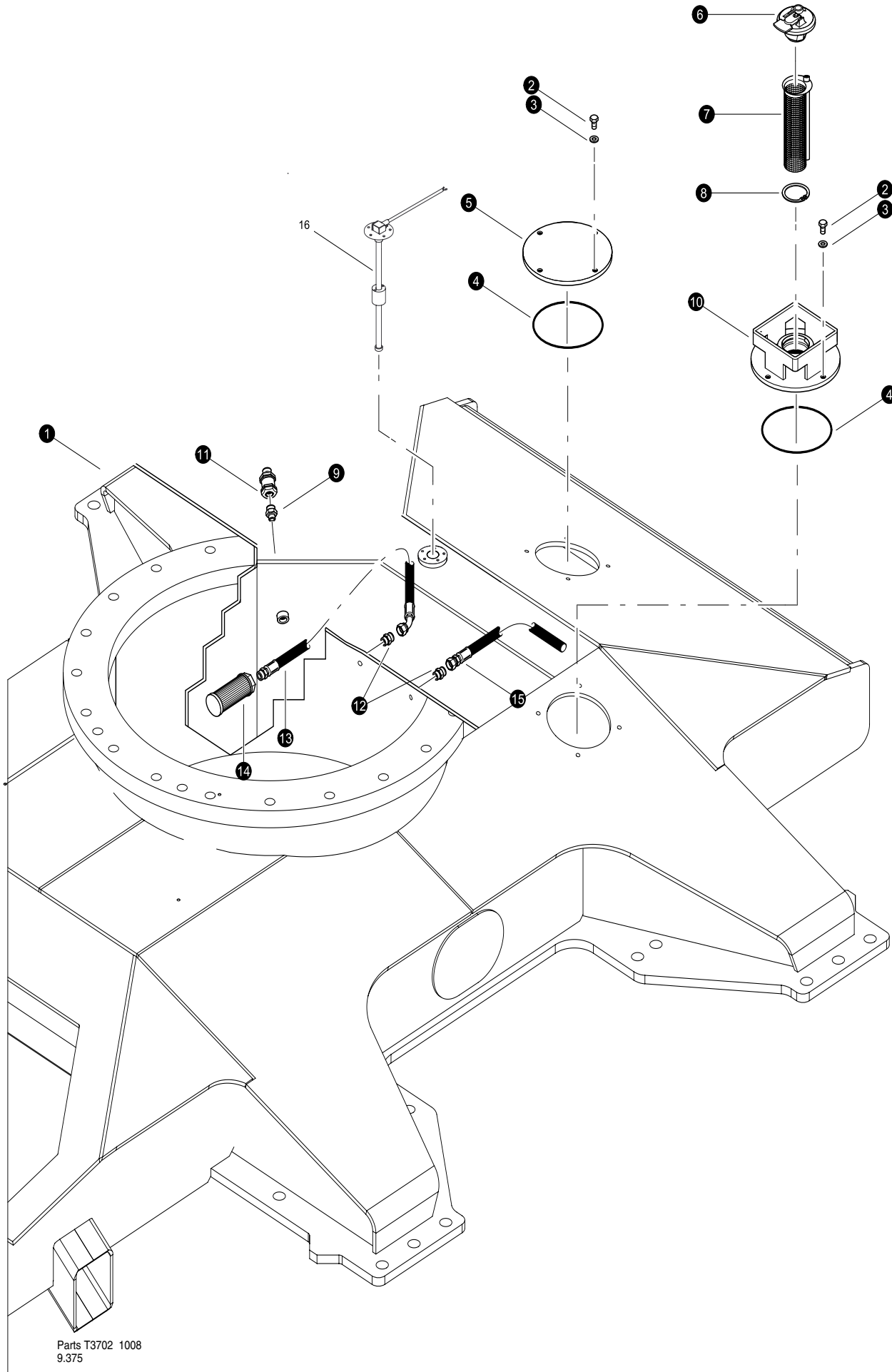
 See referenced page for component or assembly breakdown.



# ***Section NV-3***


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## ***Non-Leveling Frame - Fuel Tank Components***

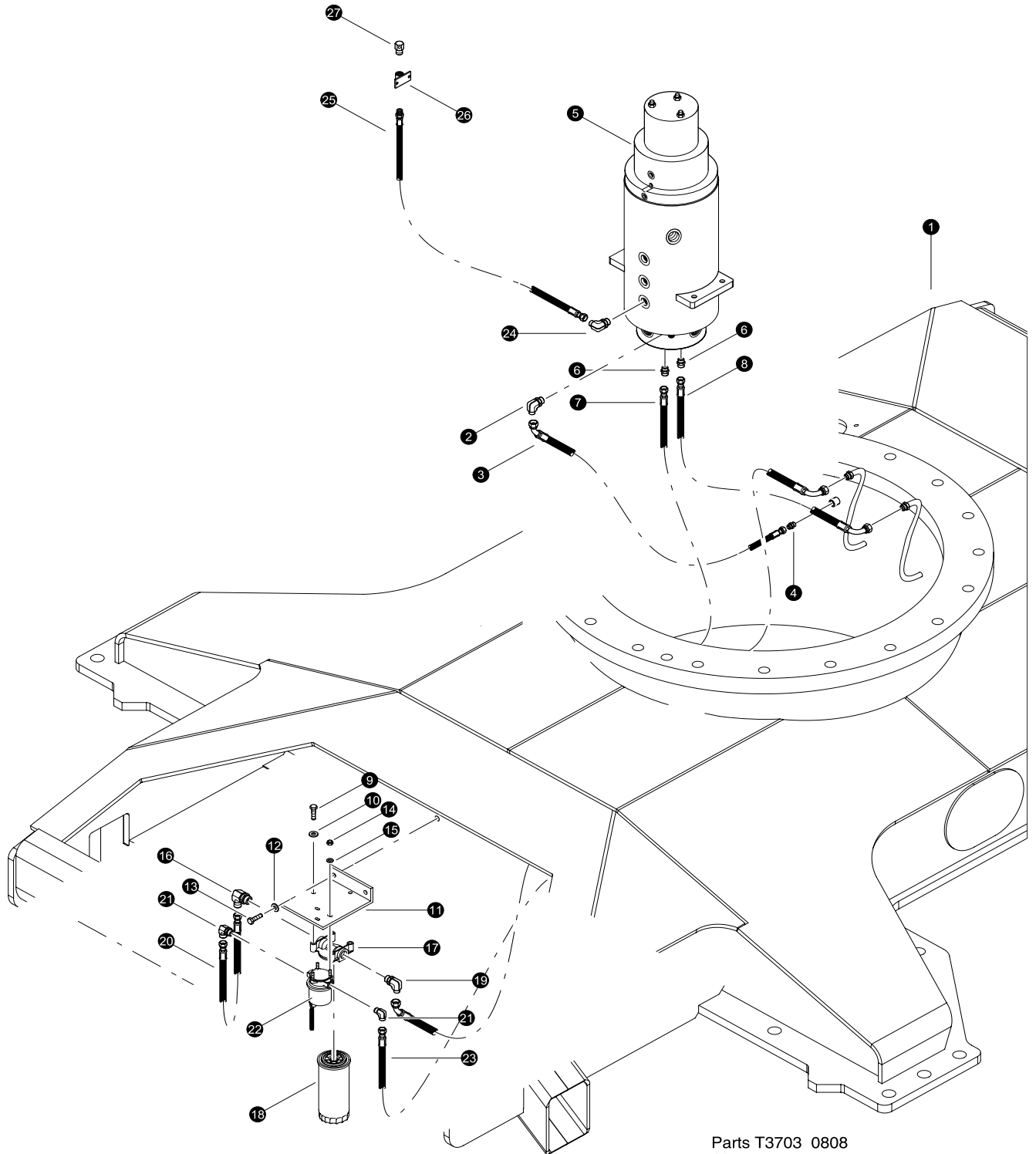


Parts T3702 1008  
9.375

## FUEL FILL STRAINER INSTALLATION



REF	PART #	QTY	DESCRIPTION	SEE SECTION
1	REF.	1	 Non-LEVELING FRAME WELDMNT .....	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 WELDMNT . . . . .	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.

