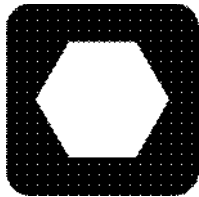


HT300

Parts Manual



Ditch Witch[®]


HT300

ISSUE NO. 02PL-06/11

For Replacement Copy Order **P/N 053-1349**

This manual contains information concerning the following models:
HT300 Tractor

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ID0228914

FOREWORD

This manual contains illustrated parts lists to help you select quality ProTech[®] Replacement parts for your Ditch Witch[®] equipment. Using other replacement parts will lessen the productivity of your equipment.

- ◆ Part numbers enclosed in a box are no longer available from The Charles Machine Works, Inc. Your local Ditch Witch dealer may be able to locate the part for you.
- ◆ Footnotes provide more information to help you identify parts shown in the manual.
- ◆ Assembly instructions and Tech Bits articles referenced in footnotes are available through your local Ditch Witch dealer.
- ◆ Description and specifications in this book were current at publication. However, The Charles Machine Works, Inc. reserves the right to improve equipment, so this manual might not reflect the most current improvements.
- ◆ Instructions on recommended equipment use and maintenance are in the Operator's Manual that was shipped with your equipment.

Keep the following in mind when ordering ProTech replacement parts:

- ◆ Specify parts you need by part number and description, not by illustration reference numbers.
- ◆ Have equipment model and serial number on hand to help ensure you get the right parts for your machine whether it's old or new.

Thank you for buying and using Ditch Witch equipment and ProTech replacement parts.

WARRANTY

DW WARRANTY Policy
July, 2005

POLICY 1: DITCH WITCH® EQUIPMENT AND REPLACEMENT PARTS LIMITED WARRANTY POLICY

Subject to the limitation and exclusions herein, free replacement parts will be provided at any authorized Ditch Witch dealership for any Ditch Witch equipment or parts manufactured by The Charles Machine Works, Inc. (CMW) that fail due to a defect in material or workmanship within one (1) year of first commercial use (Exception: 2 years for all SK500 Attachments). Free labor will be provided at any authorized Ditch Witch dealership for installation of parts under this warranty during the first year following "initial commercial" use of the serial numbered Ditch Witch equipment on which it is installed. The customer is responsible for transporting their equipment to an authorized Ditch Witch dealership for all warranty work.

EXCLUSIONS FROM PRODUCT WARRANTY

- All incidental or consequential damages.
- All defects, damages, or injuries caused by misuse, abuse, improper installation, alteration, neglect, or uses other than those for which products were intended.
- All defects, damages, or injuries caused by improper training, operation, or servicing of products in a manner inconsistent with manufacturer's recommendations.
- All engines and engine accessories (these are covered by original manufacturer's warranty).
- Tires, belts, and other parts which are subject to another manufacturer's warranty. (Such warranty will be available to purchaser.)
- ALL IMPLIED WARRANTIES NOT EXPRESSLY STATED HEREIN, INCLUDING ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY.

IF THE PRODUCTS ARE PURCHASED FOR COMMERCIAL PURPOSES, AS DEFINED BY THE UNIFORM COMMERCIAL CODE, THEN THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE HEREOF AND THERE ARE NO IMPLIED WARRANTIES OF ANY KIND WHICH EXTEND TO A COMMERCIAL BUYER. ALL OTHER PROVISIONS OF THIS LIMITED WARRANTY APPLY INCLUDING THE DUTIES IMPOSED.

Ditch Witch products have been tested to deliver acceptable performance in most conditions. This does not imply they will deliver acceptable performance in all conditions. Therefore, to assure suitability, products should be operated under anticipated working conditions prior to purchase.

Defects will be determined by an inspection within thirty (30) days of the date of failure of the product or part by CMW or its authorized dealer. CMW will provide the location of its inspection facilities or its nearest authorized dealer upon inquiry. CMW reserves the right to supply remanufactured replacement parts under this warranty as it deems appropriate.

Extended warranties are available upon request from your local Ditch Witch dealer or CMW.

Some states do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply. Further, some states do not allow exclusion of or limitation of how long an implied warranty lasts, so the above limitation may not apply. This limited warranty gives product owner specific legal rights and the product owner may also have other rights which vary from state to state.

For information regarding this limited warranty, contact CMW's Product Support Department, P.O. Box 66, Perry, OK 73077-0066, or contact your local Ditch Witch dealer.

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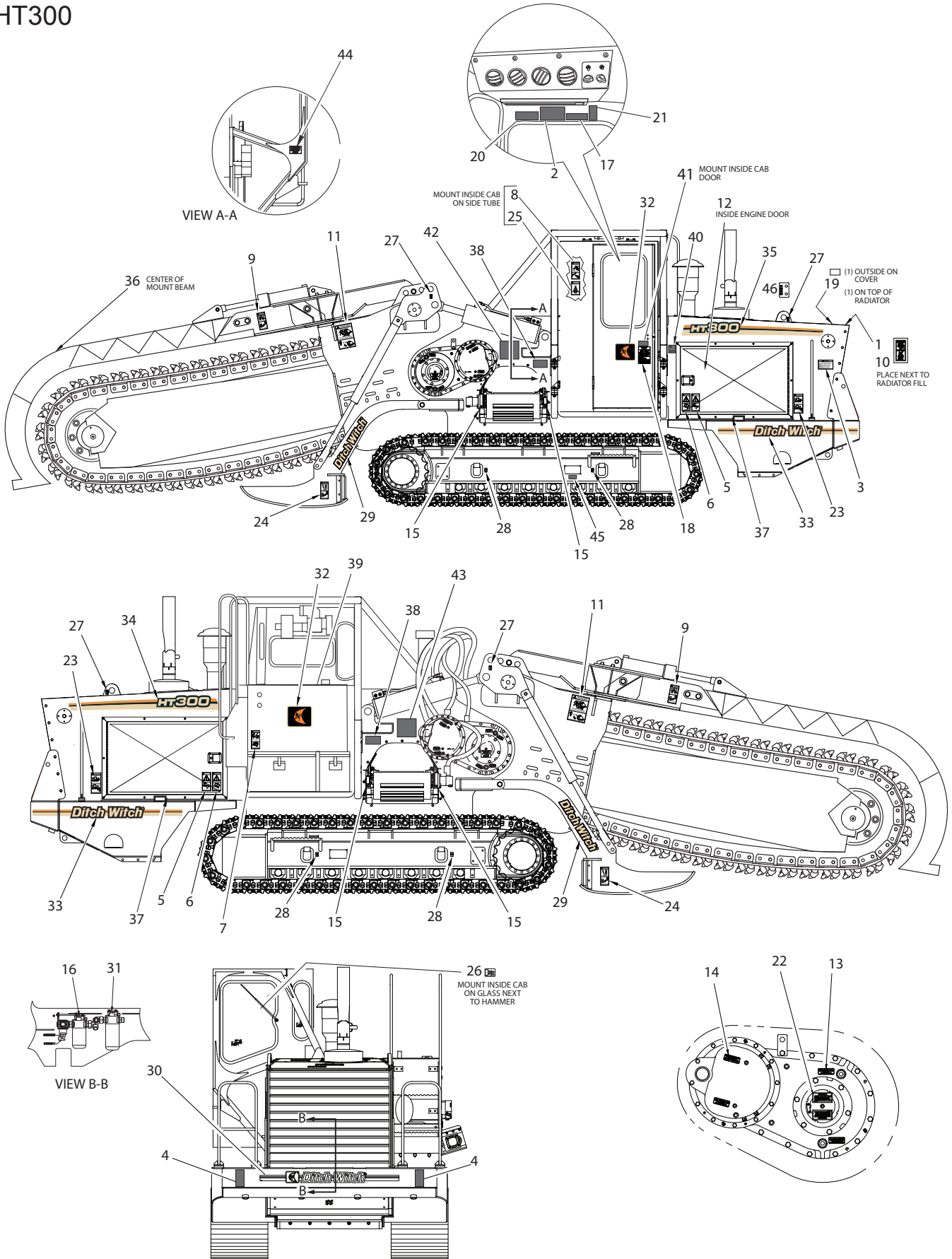
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DECALS

DECAL LOCATION HT300



DECAL LOCATION

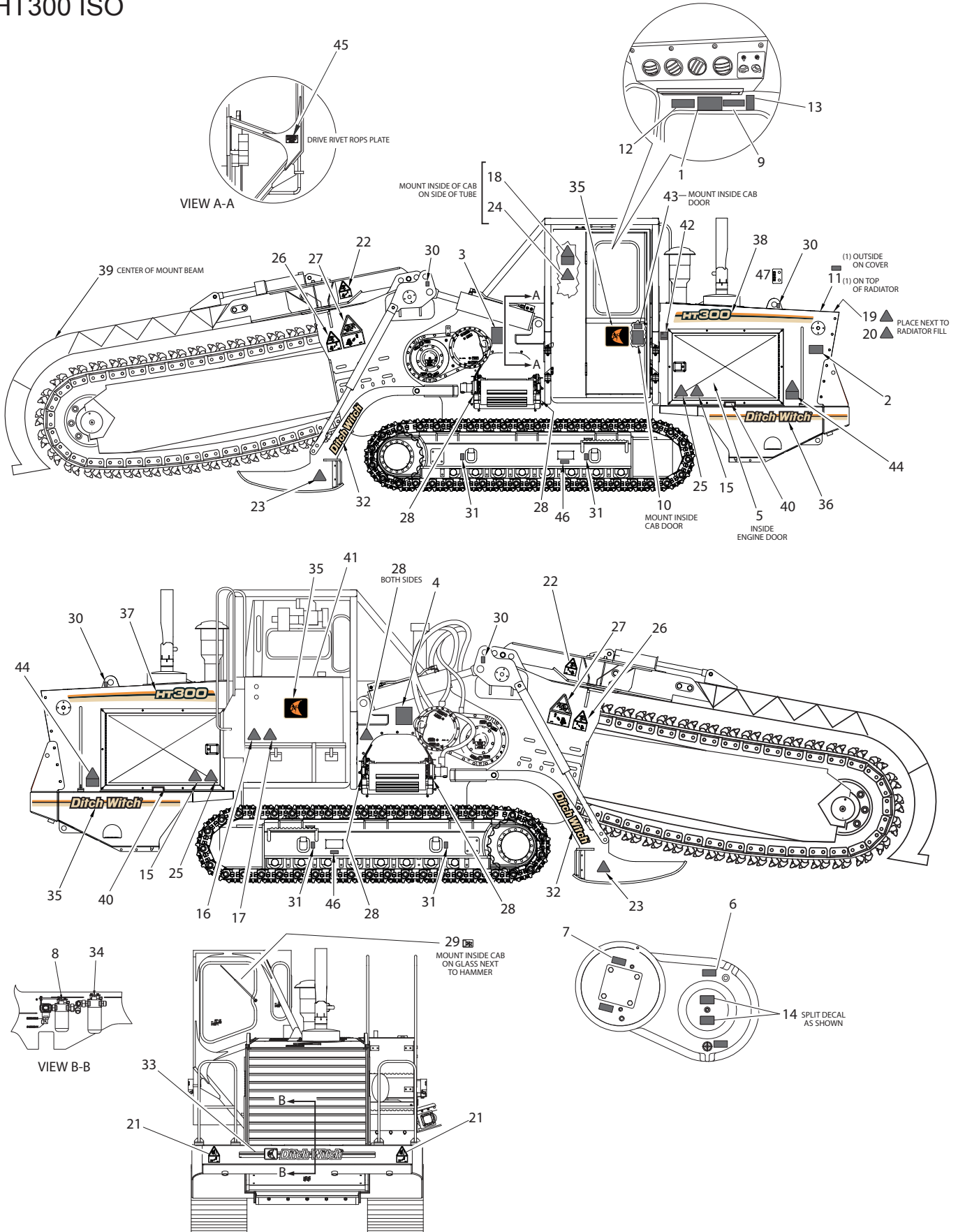
HT300

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	E10-9800-813		DECAL KIT - HT300	REFERENCED TO (CMW# 270-2320)
1	T00-9800-017	1	BACKING PLATE	
2	T00-9800-038	1	SAFETY INSTRUCTIONS	
3	T00-9800-039	1	WARNING OPERATORS NOTICE	
4	T00-9800-042	2	WARNING CRUSH HORIZONTAL	
5	T00-9800-043	2	WARNING ENGINE OFF FOR SERVICING	
6	T00-9800-044	2	WARNING READ BEFORE OPERATING	
7	T00-9800-045	1	WARNING BATTERY, READ MANUAL	
8	T00-9800-046	1	WARNING ELECTRICITY HAZARD	
9	T00-9800-047	2	WARNING CRUSH VERTICAL LOAD	
10	T00-9800-048	1	WARNING RADIATOR	
11	T00-9800-050	2	DANGER CHAINSAW	
12	T00-9800-054	1	TEXACO LUBE SPEC CHART	
13	T00-9800-055	2	OIL LEVEL R/H	
14	T00-9800-056	2	OIL LEVEL L/H	
15	T00-9800-058	4	WARNING MOVING PARTS	
16	T00-9800-063	1	10 MICRON	
17	T00-9800-070	1	CAUTION WELDING	
18	T00-9800-072	1	IMPORTANT NOTICE MAINTENANCE	
19	T00-9800-073	2	EXTENDED LIFE COOLANT	
20	T00-9800-074	1	OPERATOR PRESENCE	
21	T00-9800-075	1	ONE CALL NOTIFICATION	
22	T00-9800-079	1	GEAR BOX FILL	
23	T00-9800-089	2	WARNING NO RIDERS	
24	T00-9800-115	2	WARNING FOOT CRUSH	
25	T00-9800-116	1	WARNING SEAT BELT	
26	T00-9800-142	1	EXIT GLASS IN EMERGENCY	
27	T00-9800-144	4	LIFT LOCATION	REFERENCED TO (CMW# 274-442)
28	T00-9800-145	4	TIE DOWN LOCATION	REFERENCED TO (CMW# 274-318)
29	T00-9800-147	2	DITCH WITCH LOGO	REFERENCED TO (CMW# 273-502)
30	T00-9800-148	1	DITCH WITCH LOGO	REFERENCED TO (CMW# 270-1492)
31	T00-9800-165	1	25 MICRON	
32	T00-9800-185	2	DITCH WITCH LOGO	REFERENCED TO (CMW# 274-853)
33	T00-9800-186	2	DITCH WITCH LOGOTYPE W/STRIPE	REFERENCED TO (CMW# 270-2315)
34	T00-9800-187	1	MODEL ID LT	REFERENCED TO (CMW# 270-2313)
35	T00-9800-188	1	MODEL ID RT	REFERENCED TO (CMW# 270-2314)
36	T00-9800-189	1	DANGER STRIPE	REFERENCED TO (CMW# 270-2317)
37	T00-9800-190	2	FUEL (DIESEL)	REFERENCED TO (CMW# 700-062)
38	T00-9800-191	2	WARNING MOVING PARTS	REFERENCED TO (CMW# 270-1549)
39	T00-9800-194	1	HYDRAULIC FLUID	REFERENCED TO (CMW# 700-063)
40	T00-9800-195	1	SOUND LEVEL DECAL	
41	T00-9800-197	1	ID PLATE	REFERENCED TO (CMW# 270-1104)
42	T00-9800-199	1	HT300 LUBE CHART RT	REFERENCED TO (CMW# 270-4473)
43	T00-9800-200	1	HT300 LUBE CHART LT	REFERENCED TO (CMW# 270-4472)
44	E10-9800-002	1	ROPS PLATE	
45	200-9800-001	2	PLATE, LABEL, TRACK ADJUSTER	
46	351-9800-006	1	HYDRAULIC PRESSURE GAUGES	

FOOTNOTES:

1. ALL DECALS ARE SUPPLIED BY TESMEC. CMW#'S ARE FOR REFERENCE ONLY.

DECAL LOCATION HT300 ISO



DECAL LOCATION HT300 ISO/ FOREIGN

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	E10-9800-808		ISO DECAL KIT - HT300	REFERENCED TO ICMW# 270-2418)
1	"A"	1	SAFETY INSTRUCTIONS	
2	"B"	1	DANGER OPERATOR NOTICE	
3	"C"	1	HT300 LUBE CHART RT	ICMW# 270-4479 IT, 270-4473 EN, 270-4480 FR, 270-4481 GR, 270-4482 SPI
4	"D"	1	HT300 LUBE CHART LT	ICMW# 270-4475 IT, 270-4472 EN, 270-4476 FR, 270-4477 GR, 270-4478 SPI
5	T00-9800-054	1	TEXACO LUBRICANT SPEC CHART	
6	T00-9800-055	2	OIL LEVEL R/H	
7	T00-9800-056	2	OIL LEVEL L/H	
8	T00-9800-063	1	10 MICRON	
9	T00-9800-070	1	CAUTION WELDING	
10	T00-9800-072	1	IMPORTANT, NOTICE MAINTENANCE	
11	T00-9800-073	2	EXTENDED LIFE COOLANT	
12	T00-9800-074	1	OPERATOR PRESENCE	
13	T00-9800-075	1	ONE CALL NOTIFICATION	
14	T00-9800-079	1	GEAR BOX FILL	
15	T00-9800-117	2	ENGINE OFF FOR SERVICING	
16	T00-9800-118	1	BATTERY BURN HAZARD	
17	T00-9800-119	1	BATTERY EXPLOSION HAZARD	
18	T00-9800-121	1	ELECTRICAL SHOCK, KEEP AWAY	
19	T00-9800-122	1	RADIATOR EXPLOSION HAZARD	
20	T00-9800-123	1	RADIATOR BURN HAZARD	
21	T00-9800-124	2	CRUSH HAZARD, HORIZONTAL	
22	T00-9800-125	2	CRUSH HAZARD, VERTICAL	
23	T00-9800-126	2	CRUSH HAZARD, FOOT	
24	T00-9800-127	1	WEAR SEAT BELT	
25	T00-9800-128	2	READ BEFORE SERVICING	
26	T00-9800-129	2	DO NOT APPROACH MOVING CHAIN	
27	T00-9800-130	2	DANGER CHAINSAW	
28	T00-9800-141	6	WARNING MOVING PARTS	
29	T00-9800-142	1	EXIT GLASS IN EMERGENCY	
30	T00-9800-144	4	LIFT LOCATION	REFERENCED TO ICMW# 274-442)
31	T00-9800-145	4	TIE DOWN LOCATION	REFERENCED TO ICMW# 274-318)
32	T00-9800-147	2	DITCH WITCH LOGO	REFERENCED TO ICMW# 273-502)
33	T00-9800-148	1	DITCH WITCH LOGO	REFERENCED TO ICMW# 270-1492)
34	T00-9800-165	1	25 MICRON	
35	T00-9800-185	2	DITCH WITCH LOGO	REFERENCED TO ICMW# 274-853)
36	T00-9800-186	2	DITCH WITCH LOGOTYPE W/ STRIPE	REFERENCED TO ICMW# 270-2315)
37	T00-9800-187	1	HT300 MODEL ID LT	REFERENCED TO ICMW# 270-2313)
38	T00-9800-188	1	HT300 MODEL ID RT	REFERENCED TO ICMW# 270-2314)
39	T00-9800-189	1	DANGER STRIPE	REFERENCED TO ICMW# 270-2317)
40	T00-9800-190	2	FUEL (DIESEL)	REFERENCED TO ICMW# 700-062)
41	T00-9800-194	1	HYDRAULIC FLUID	REFERENCED TO ICMW# 700-063)
42	T00-9800-195	1	SOUND LEVEL DECAL	
43	T00-9800-197	1	ID PLATE	REFERENCED TO ICMW# 270-1104)
44	T00-9800-209	2	WARNING NO RIDERS	
45	E10-9800-002	1	ROPS PLATE	
46	200-9800-001	2	TRACK ADJUSTER	
47	351-9800-006	1	HYDRAULIC PRESSURE GAUGES	

ISO FOREIGN DECAL CHART

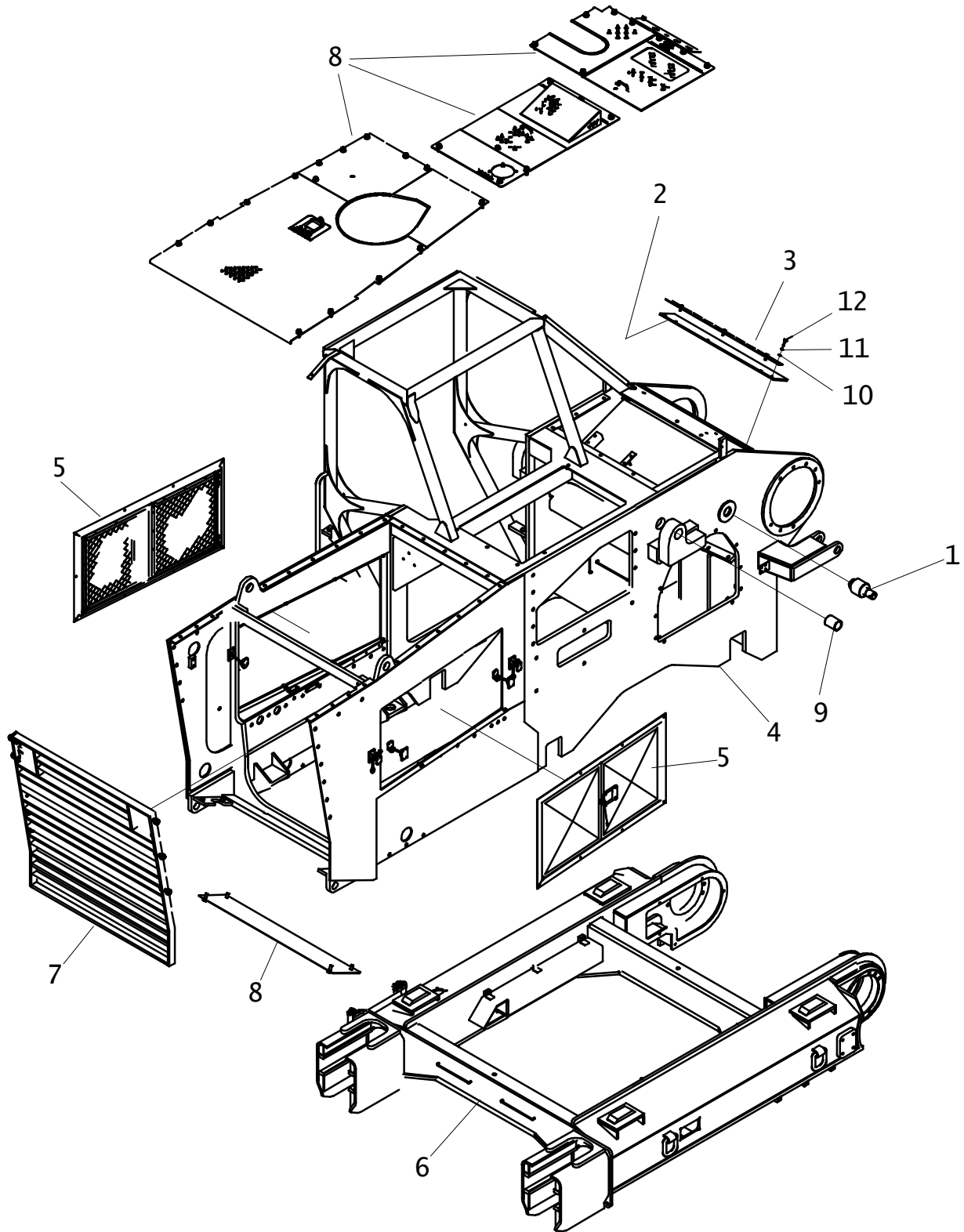
PART#	ENGLISH E10-9800-810	ITALIAN E10-9800-808	FRENCH E10-9800-809	GERMAN E10-9800-812	SPANISH E10-9800-811
"A"	T00-9800-131	T00-9800-132	T00-9800-133	T00-9800-134	T00-9800-135
"B"	T00-9800-136	T00-9800-137	T00-9800-138	T00-9800-139	T00-9800-140
"C"	T00-9800-199	T00-9800-201	T00-9800-203	T00-9800-205	T00-9800-207
"D"	T00-9800-200	T00-9800-202	T00-9800-204	T00-9800-206	T00-9800-208

FOOTNOTES:

1. ALL DECALS ARE SUPPLIED BY TESMEC. CMW #'S ARE FOR REFERENCE ONLY.

FRAME/ENGINE COMPONENTS

MAINFRAME & UNDERCARRIAGE ASSEMBLY HT300



MAINFRAME & UNDERCARRIAGE ASSEMBLY

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-1010-002	2	PIN	
2. TSE10-1010-004	1	RUBBER	
3. TSE10-1010-005	1	FLAT BAR	
4. TSE10-1010-801	1	MAINFRAME WELDMENT	
5. TSE10-1020-802	1	ENGINE DOOR ASSEMBLY	
6. TSE10-1030-801	1	UNDERCARRIAGE ASSEMBLY	
7. TSE10-1200-801	1	GRID ASSEMBLY	
8. TSE10-1600-801	1	COVER ASSEMBLY	
9. TSE10-5203-002	2	BUSHING	
10. TSU25010010	11	WASHER	
11. TSU25012010	11	WASHER	
12. TSU40110032	11	BOLT	

NOT SHOWN:

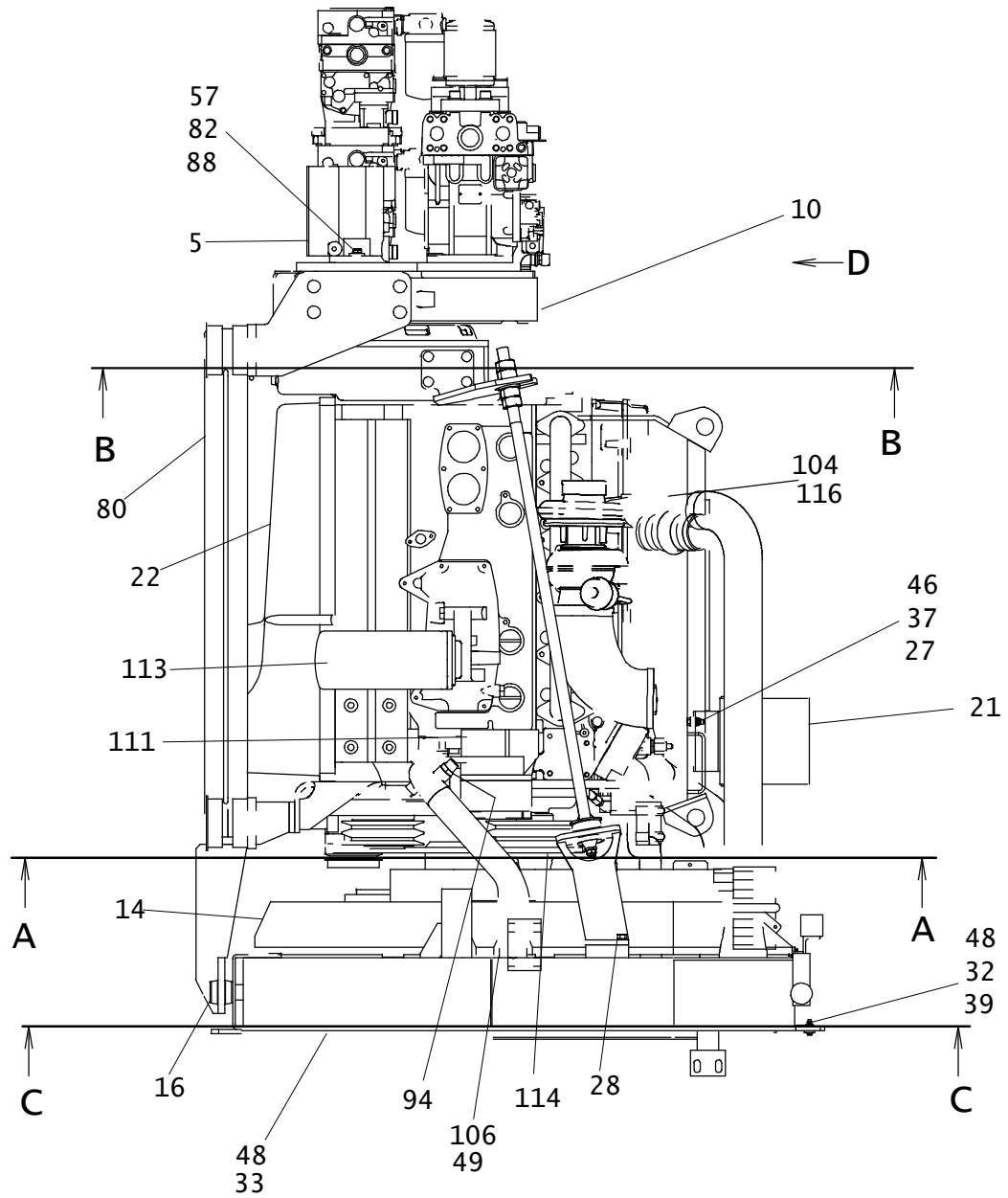
FOOTNOTES:

NOTE:

REF: E10-1000-801

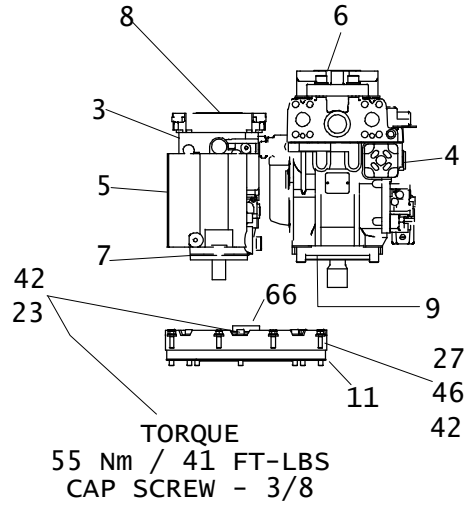
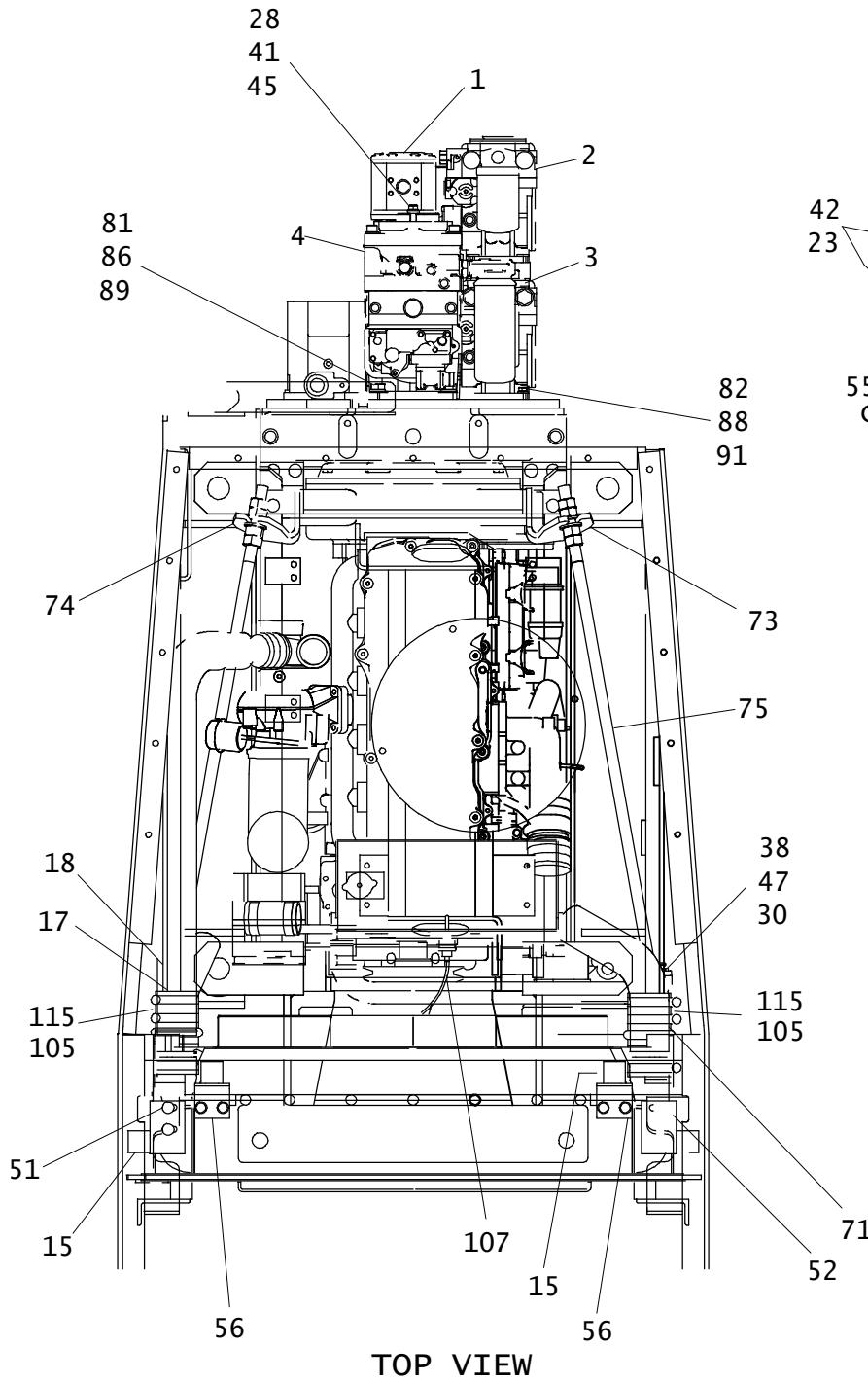
ENGINE INSTALLATION

HT300



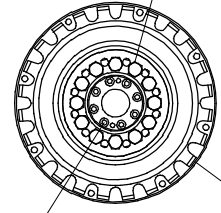
ENGINE INSTALLATION

HT300



TORQUE
55 Nm / 41 FT-LBS
CAP SCREW - 3/8

TORQUE
210 Nm / 155 FT-LBS
CAP SCREW - M16



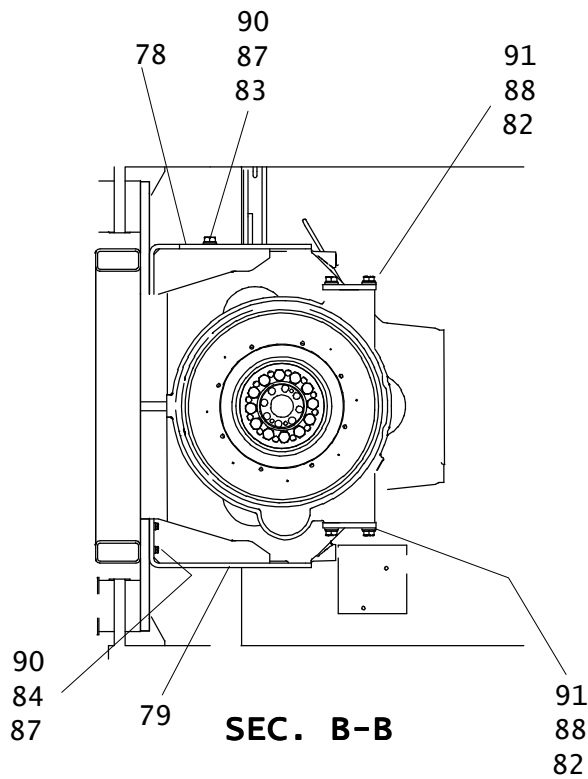
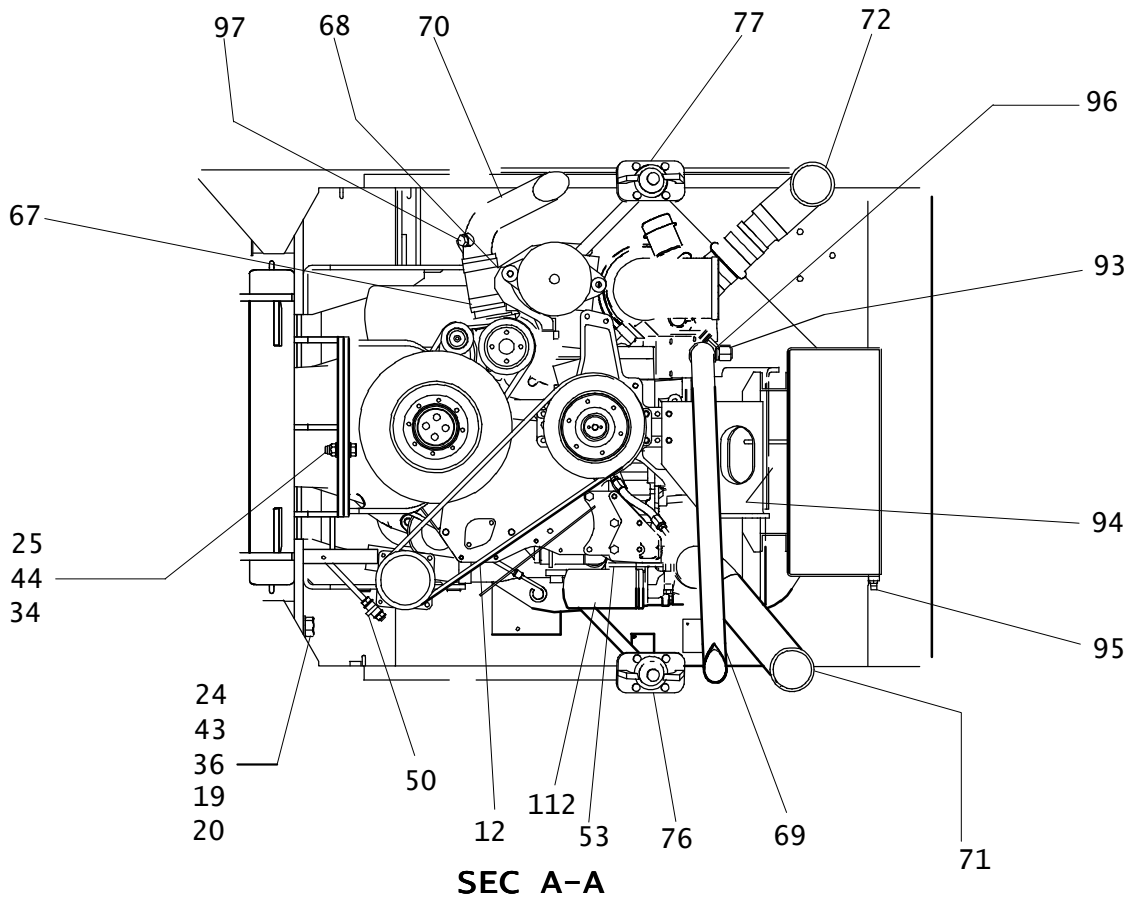
MOTOR JOINT
TORSIONAL
COUPLINGS

TORQUE
69 Nm / 51 FT LBS
CAP SCREW - M10

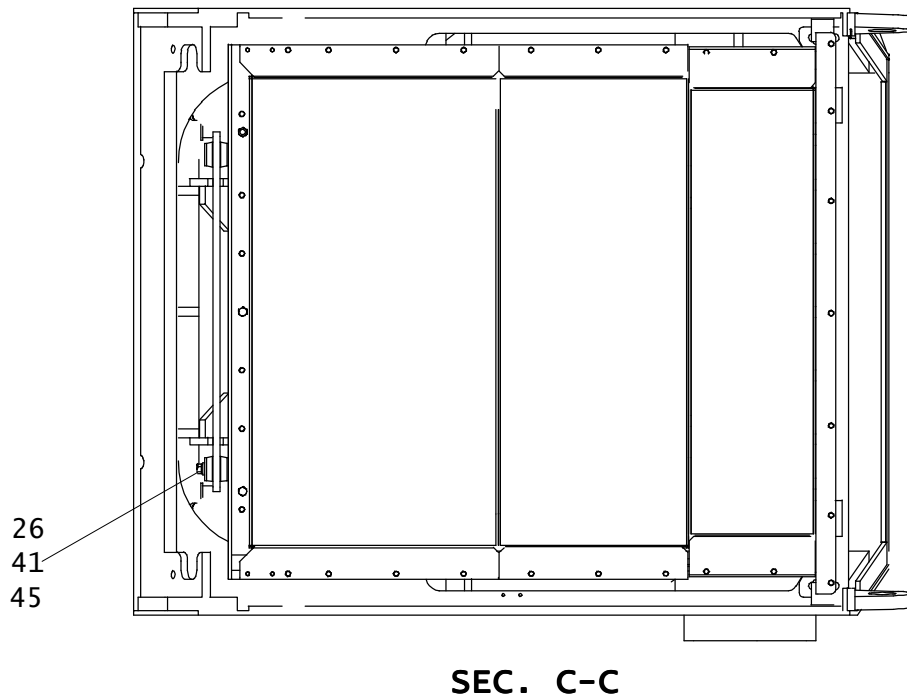
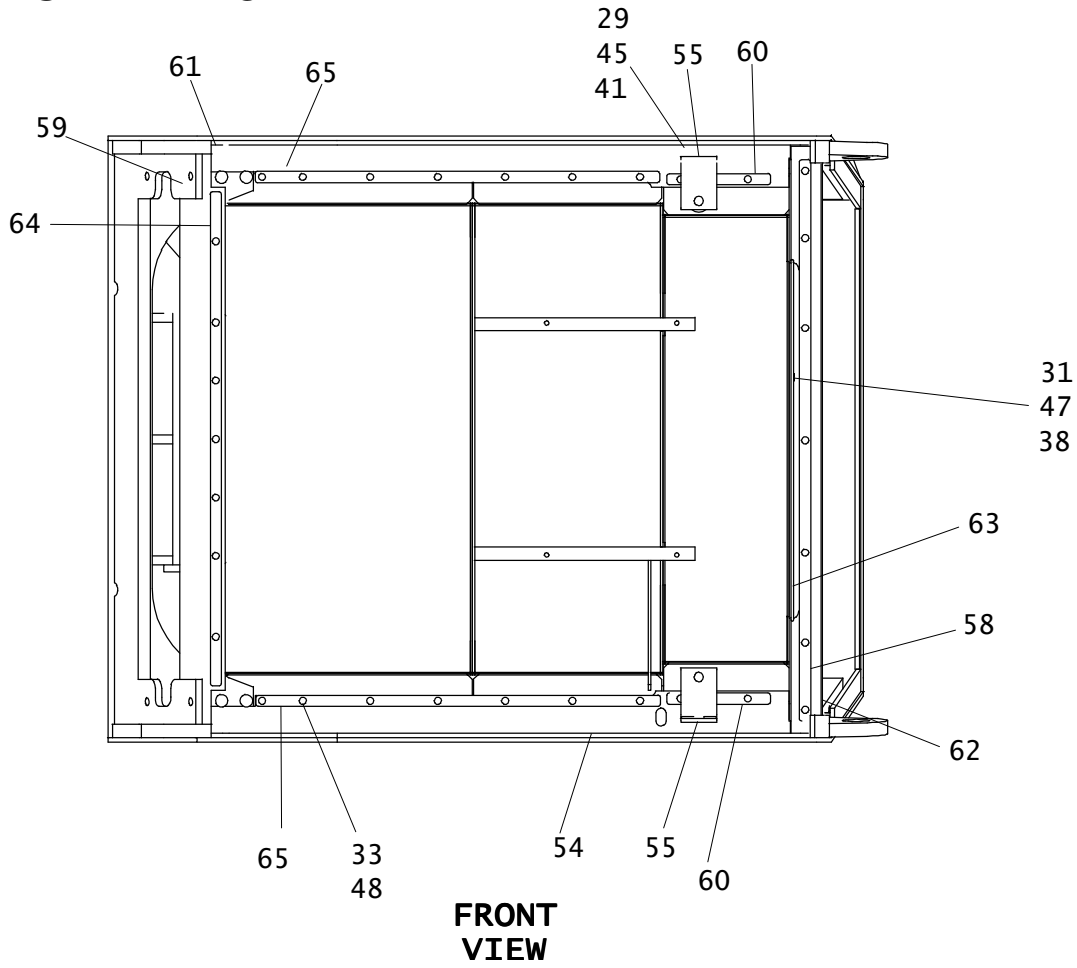
TOP VIEW

ENGINE INSTALLATION

HT300

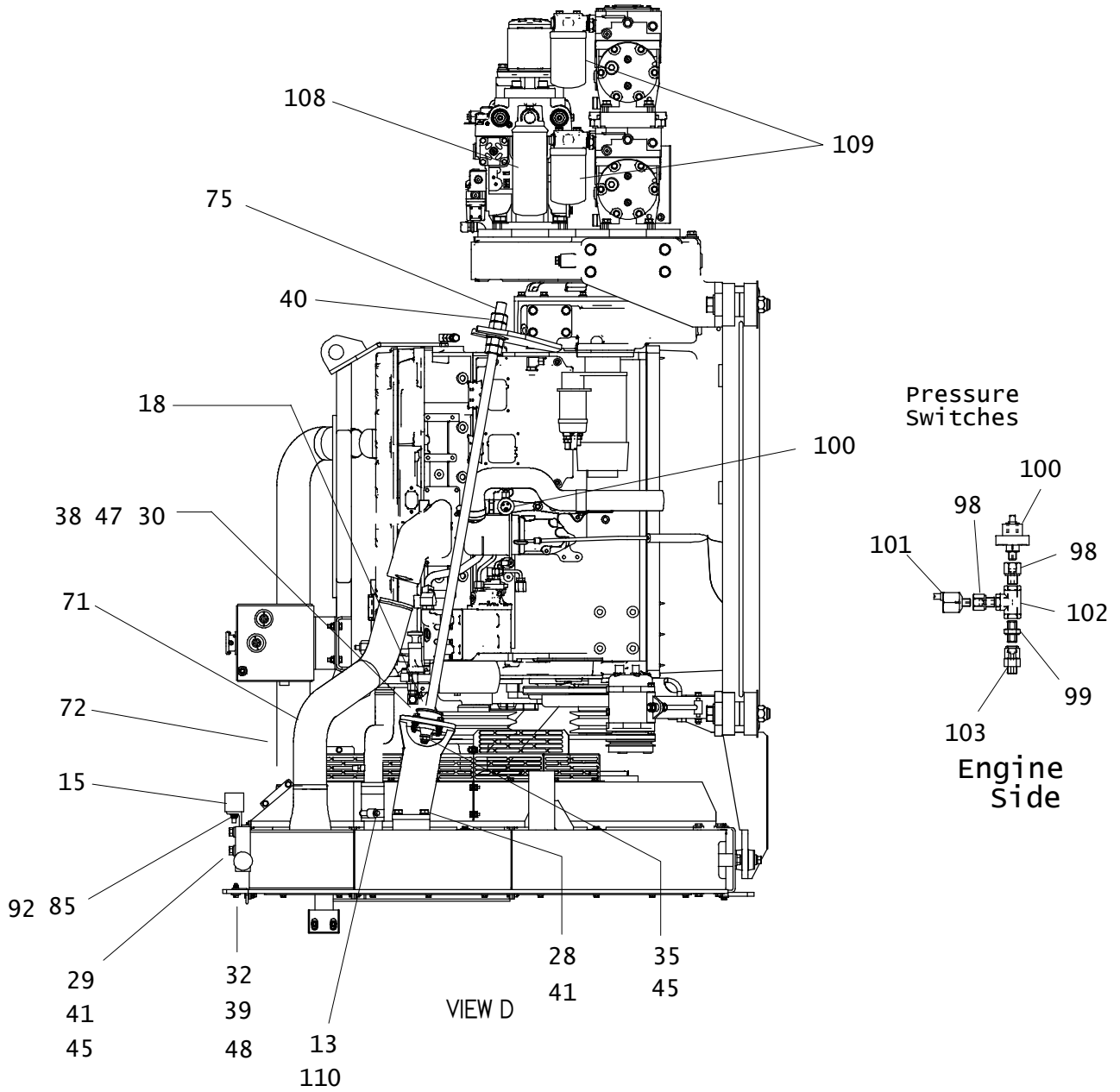


ENGINE INSTALLATION HT300



ENGINE INSTALLATION

HT300



ENGINE INSTALLATION

HT300

REF PART					
NO.	NUMBER	QTY	DESCRIPTION		REMARKS
1.	TSV00-6004-001	1	PUMP		
2.	TSV00-6001-005	1	PUMP		
3.	TSV00-6001-004	1	PUMP		
4.	TSV00-6001-002	1	PUMP		
5.	TSV00-6001-001	1	PUMP		
6.	TSV00-5301-019	1	O-RING		
7.	TSV00-5301-009	2	O-RING		
8.	TSV00-5301-008	2	O-RING		
9.	TSV00-5301-007	1	O-RING		
10.	TSV00-4600-001	1	PUMP DRIVE		
11.	TSV00-4530-001	1	JOINT		
12.	TSV00-4510-005	1	BELT		
13.	TSV00-4510-023	-	SLEEVE		
14.	TSV00-4506-005	1	RADIATOR		
15.	TSV00-4501-011	6	RUBBER MOUNT		
16.	TSV00-4501-005	2	RUBBER MOUNT		
17.	TST00-4501-004	2	RUBBER MOUNT		
18.	TST00-4501-006	2	WASHER		
19.	TST00-4501-003	4	WASHER		
20.	TST00-4501-002	8	RUBBER MOUNT		
21.	TSV00-4500-005	1	TANK		
22.	TSV00-4500-001	1	ENGINE		
23.	TS42510070	8	BOLT		
24.	TSU42125152	4	BOLT		
25.	TSU42116057	4	BOLT		
26.	TSU42113083	2	BOLT		
27.	TSU42110032	22	BOLT		
28.	TSU40113038	14	BOLT		
29.	TSU40113032	12	BOLT		
30.	TSU40108032	8	BOLT		
31.	TSU40108025	2	BOLT		
32.	TSU40106032	7	BOLT		
33.	TSU40106025	25	BOLT		
34.	TSU26201016	4	LOCKNUT		
35.	TSU26201013	2	LOCKNUT		
36.	TSU26201025	4	LOCKNUT		
37.	TSU26201010	4	LOCKNUT		
38.	TSU26201008	10	LOCKNUT		
39.	TSU26201006	7	LOCKNUT		
40.	TSU26200525	8	NUT		
41.	TS25012013	28	WASHER		
42.	106-090	26	WASHER (M10)		

NOTE:
REF. E10-4500-802

ENGINE INSTALLATION

HT300

REF PART NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
43.	106-144	8	WASHER (1")	
44.	TSU25010016	8	WASHER	
45.	TS25010013	22	WASHER	
46.	106-390	26	WASHER (M10)	
47.	106-389	20	WASHER (M8)	
48.	106-388	39	WASHER (M6)	
49.	TSV00-4510-022	-	SLEEVE	
50.	TSE10-4500-801	1	COMPRESSOR MOUNT ASM'Y	
51.	TSE10-4500-038	1	ANGULAR	
52.	TSE10-4500-037	1	ANGULAR	
53.	TSE10-4500-036	1	FLAT BAR	
54.	TSE10-4500-035	1	RUBBER	
55.	TSE10-4500-034	2	ANGULAR	
56.	TSE10-4500-033	2	ANGULAR	
57.	TSE10-4500-032	2	WASHER	
58.	TSE10-4500-031	1	FLAT BAR	
59.	TSE10-4500-030	1	RUBBER	
60.	TSE10-4500-029	2	FLAT BAR	
61.	TSE10-4500-028	1	RUBBER	
62.	TSE10-4500-027	1	RUBBER	
63.	TSE10-4500-026	1	ANGULAR	
64.	TSE10-4500-025	1	FLAT BAR	
65.	TSE10-4500-024	2	FLAT BAR	
66.	TSE10-4500-021	1	SPACER	
67.	TSE10-4500-018	1	MANIFOLD	
68.	TSE10-4500-017	1	SUPPORT	
69.	TSE10-4500-012	1	MANIFOLD	
70.	TSE10-4500-011	1	MANIFOLD	
71.	TSE10-4500-010	1	MANIFOLD	
72.	TSE10-4500-009	1	MANIFOLD	
73.	TSE10-4500-008	1	SUPPORT	
74.	TSE10-4500-007	1	SUPPORT	
75.	TSE10-4500-006	1	ROD	
76.	TSE10-4500-005	1	SUPPORT	
77.	TSE10-4500-004	1	SUPPORT	
78.	TSE10-4500-003	1	SUPPORT	
79.	TSE10-4500-002	1	SUPPORT	
80.	TSE10-4500-001	1	FRAME	
81.	TS46320040	4	BOLT	
82.	TS46312034	14	BOLT	
83.	105-998	8	SCREW (M16-2.00 X 40mm)	
84.	TSU40116032	8	BOLT	

NOTE:
REF. E10-4500-802

ENGINE INSTALLATION

HT300

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
85.	TS26021010	6	LOCKNUT	
86.	TS25112021	4	WASHER	
87.	TS25112017	16	WASHER	
88.	TS25112013	14	WASHER	
89.	TS25110021	4	WASHER	
90.	TS25110016	16	WASHER	
91.	TS25110012	12	WASHER	
92.	TS25110010	6	WASHER	
93.	TS05903305	1	FITTING	
94.	TS05703392	2	NIPPLE	
95.	TS05703388	3	NIPPLE	
96.	TS05703384	1	NIPPLE	
97.	TS02201110	1	PLUG	
98.	TS05903356	2	FITTING	
99.	TS5701014	1	NIPPLE	
100.	TS09105128	1	PRESSURE SWITCH	
101.	TS09105129	1	PRESSURE SWITCH	
102.	TS01250140	1	FITTING	
103.	TS05903008	1	FITTING	
104.	TSV00-4510-014	-	SLEEVE	
105.	TSV00-4510-001	-	SLEEVE	
106.	TSV00-4510-019	-	CLAMP	
107.	TSV00-8510-001	-	SENSOR	
108.	500-1783	-	FILTER	TST00-6600-116
109.	500-1784	-	FILTER	TST00-6600-118
110.	TSV00-4510-018	-	CLAMP	
111.	TSV00-4510-015	-	GENERATOR	
112.	500-1789	-	FILTER	TSV00-4510-020
113.	500-1788	-	FILTER	TSV00-4510-021
114.	TSV00-4510-007	-	BELT	
115.	TSV00-4510-002	-	CLAMP	
116.	TSV00-4510-017	-	CLAMP	

NOT SHOWN:

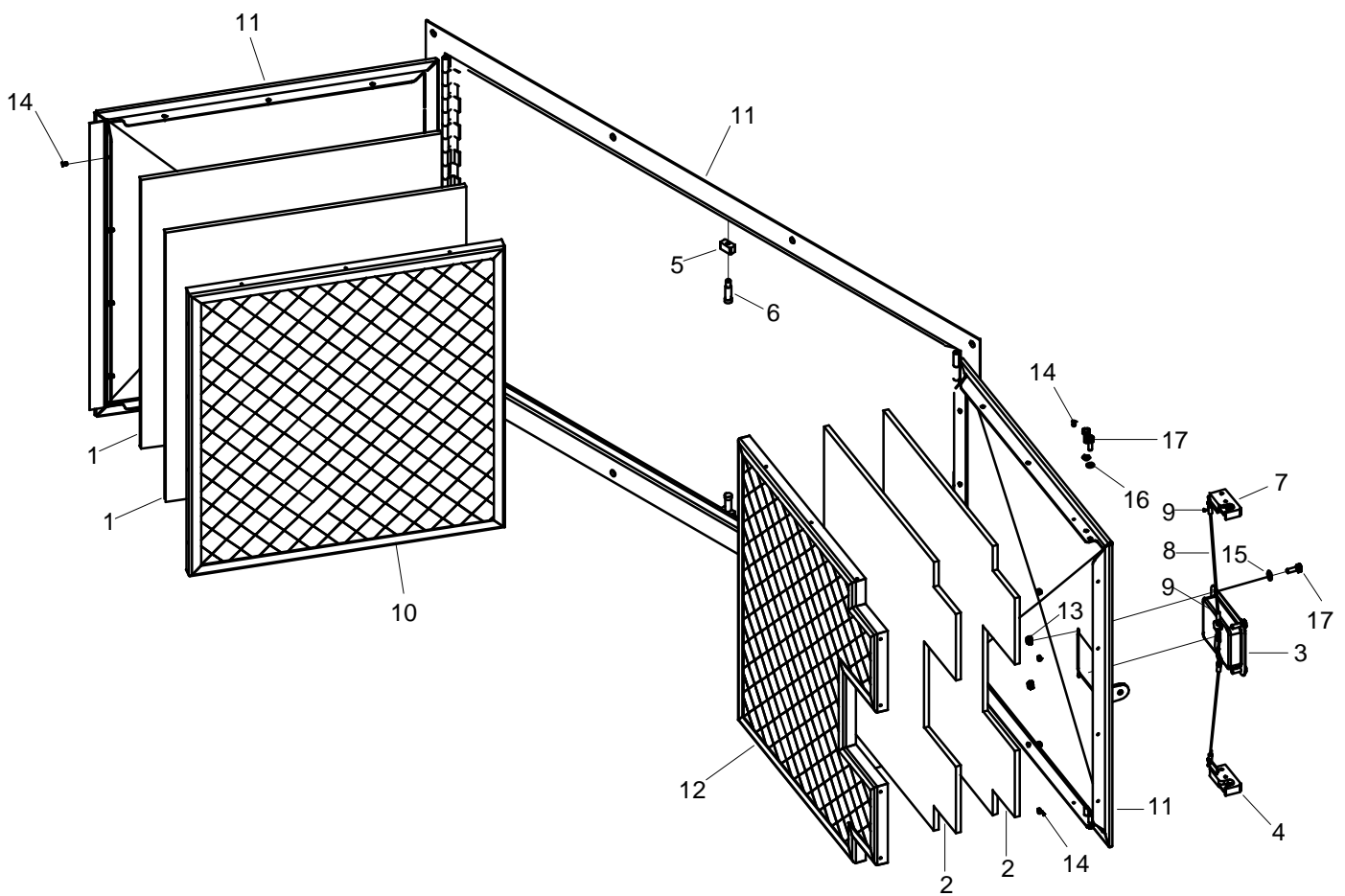
TSV00-4507-003	FAN	(1X)
TSV00-1620-003	THERMAL INSULATION	(1X)
TSV00-1620-004	TAPE	(1X)
TSV00-4510-016	MOTOR	

NOTE:

REF. E10-4500-802

ENGINE DOOR ASSEMBLY

HT300



ENGINE DOOR ASSEMBLY

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-1020-009	2	PANEL	
2. TSE10-1020-008	2	PANEL	
3. TSV00-9040-001	1	HANDLE	
4. TSV00-9040-003	1	LOCKING	
5. TSE10-1020-003	2	MANIFOLD	
6. TSE10-1020-004	2	PIN	
7. TSV00-9040-002	1	LOCKING	
8. TS34022016	-	WIRE	USE 1 @ 1.5M
9. TS36401887	4	SLEEVE	
10. TSE10-1020-010	1	GRID	
11. TSE10-1020-006	1	DPOORS	
12. TSE10-1020-007	1	GRID	
13. TSU26201006	4	LOCKNUT	
14. TS36400144	28	RIVET	
15. TSU25010006	4	WASHER	
16. TSU25012006	4	WASHER	
17. TSU40106019	8	BOLT	

NOT SHOWN:

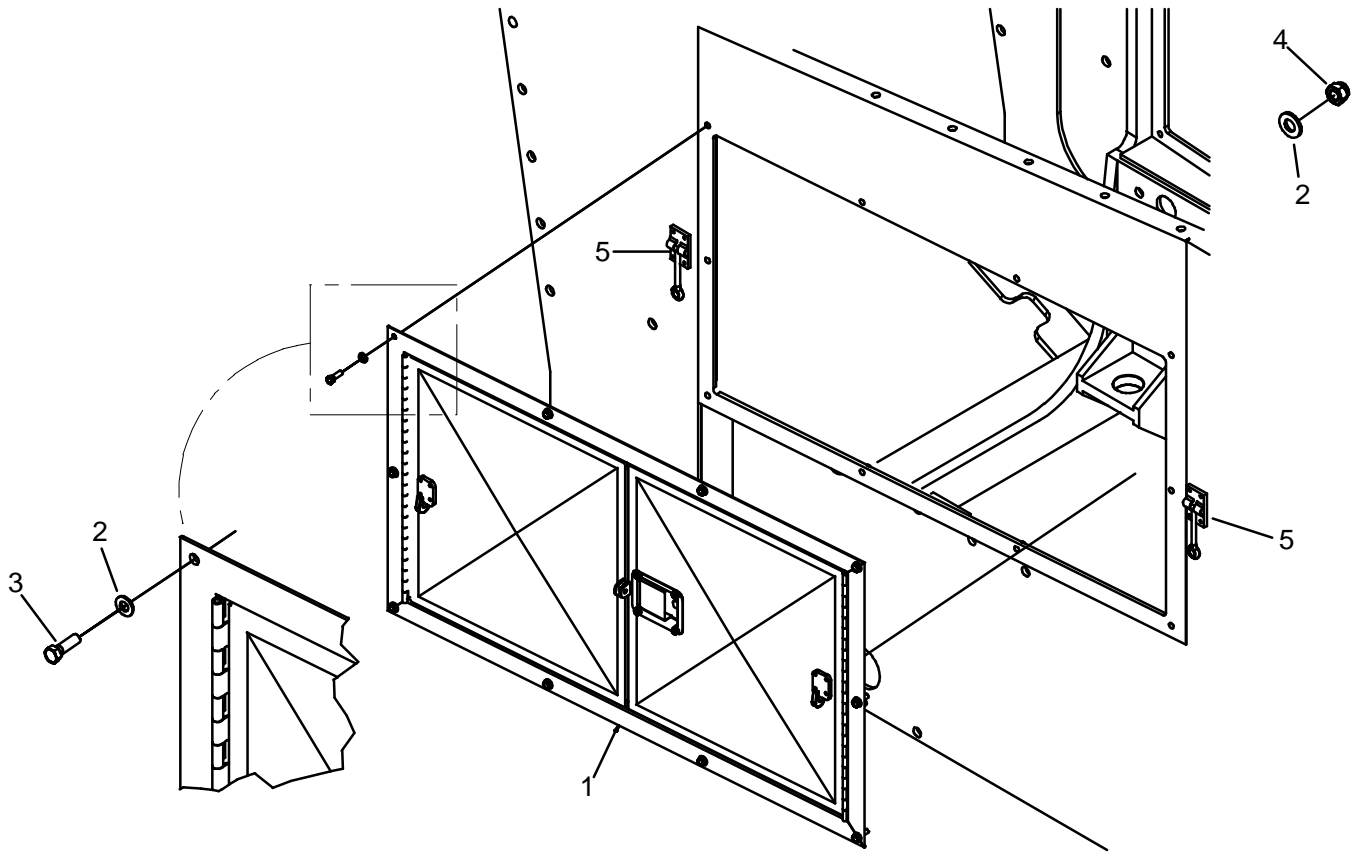
FOOTNOTES:

NOTE:

REF: E10-1020-803

ENGINE DOOR INSTALLATION

HT300



ENGINE DOOR INSTALLATION

HT300

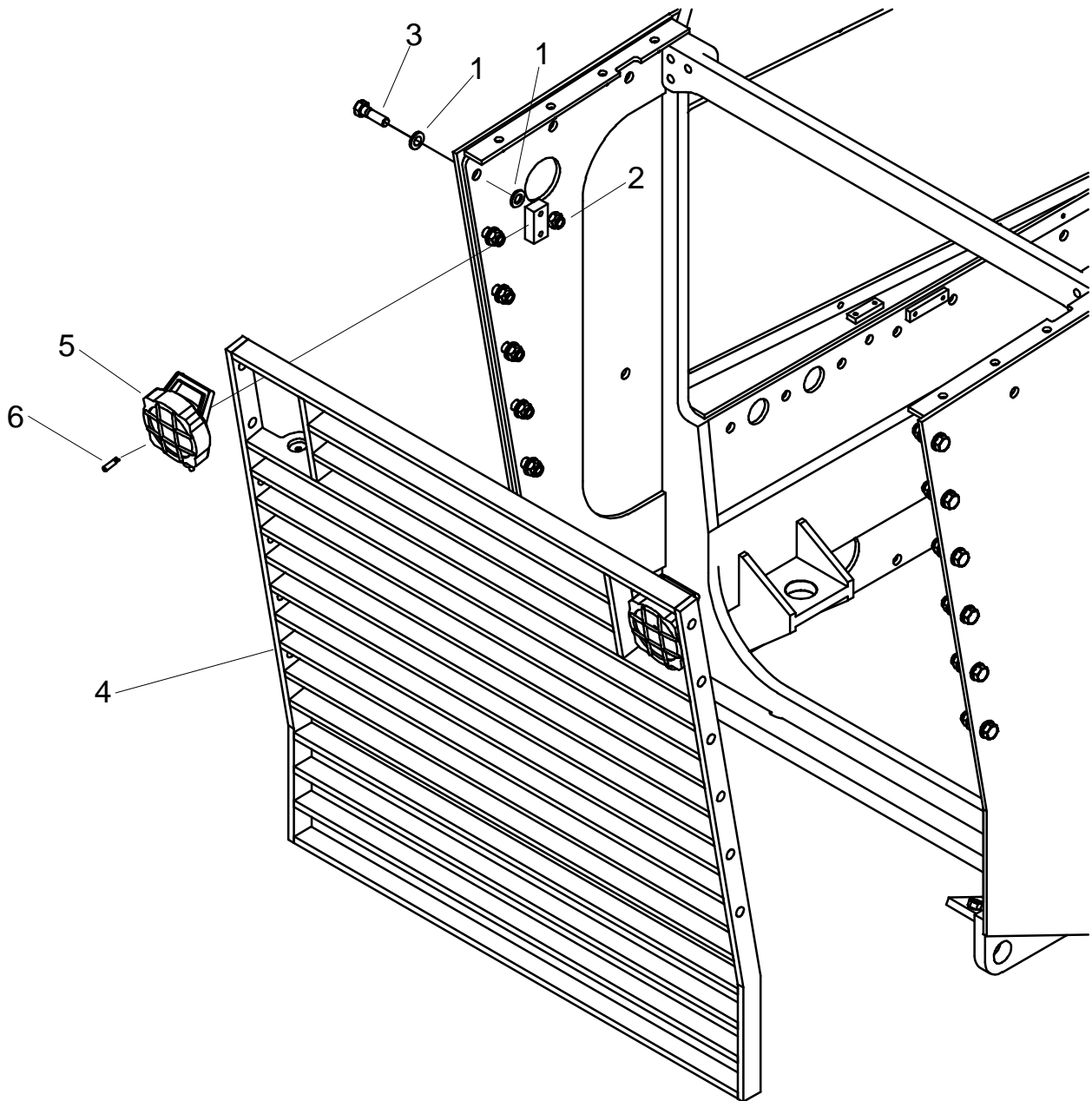
REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-1020-803	2	ENGINE DOOR ASSEMBLY	
2.	TSU25010010	40	WASHER	
3.	TSU40510032	20	BOLT	
4.	TSU26201010	20	LOCKNUT	
5.	TSV00-9040-007	4	STOP	

NOT SHOWN:

FOOTNOTES:

NOTE:
REF: E10-1020-802

GRILLE ASSEMBLY HT300



GRILLE ASSEMBLY

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSU25015019	24	WASHER	
2.	TSU26201019	12	LOCKNUT	
3.	TSU42119064	12	BOLT	
4.	TSE10-1200-022	1	GRID	
5.	TS09101445	2	LAMP	
6.	TS09102156	2	LAMP	

NOT SHOWN:

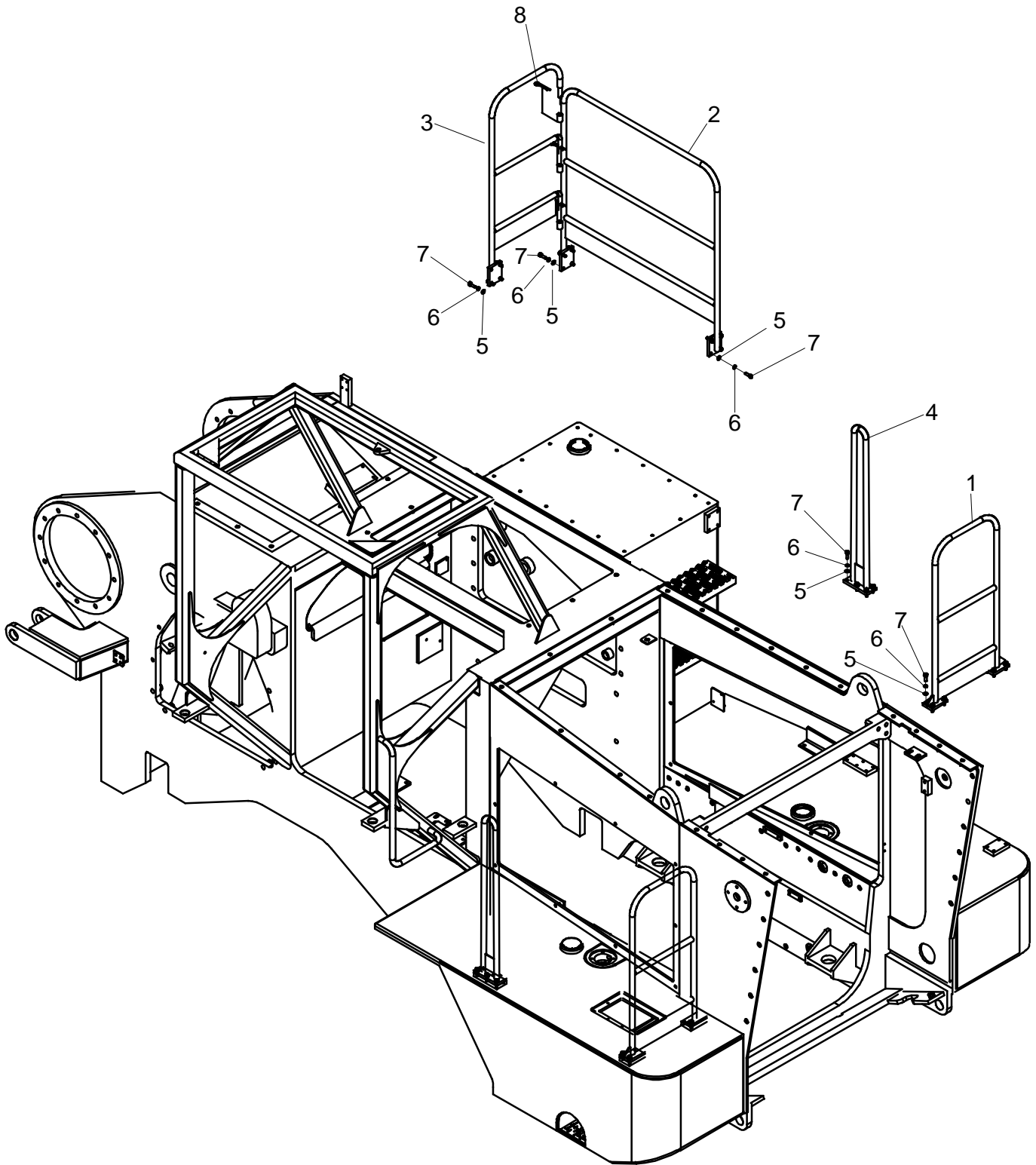
FOOTNOTES:

NOTE:

REF: E10-I200-80I

GUARD RAIL INSTALLATION

HT300



GUARD RAIL INSTALLATION

HT300

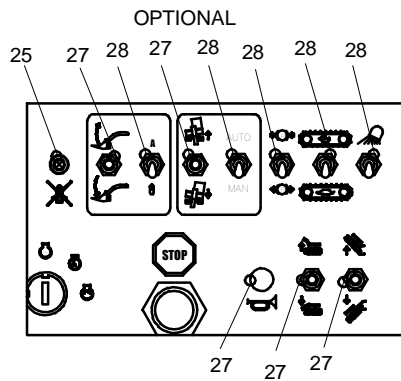
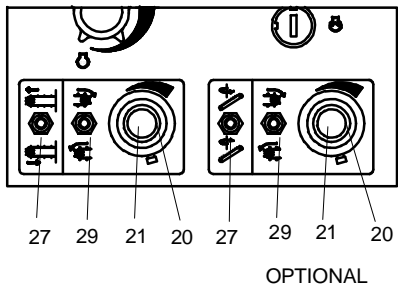
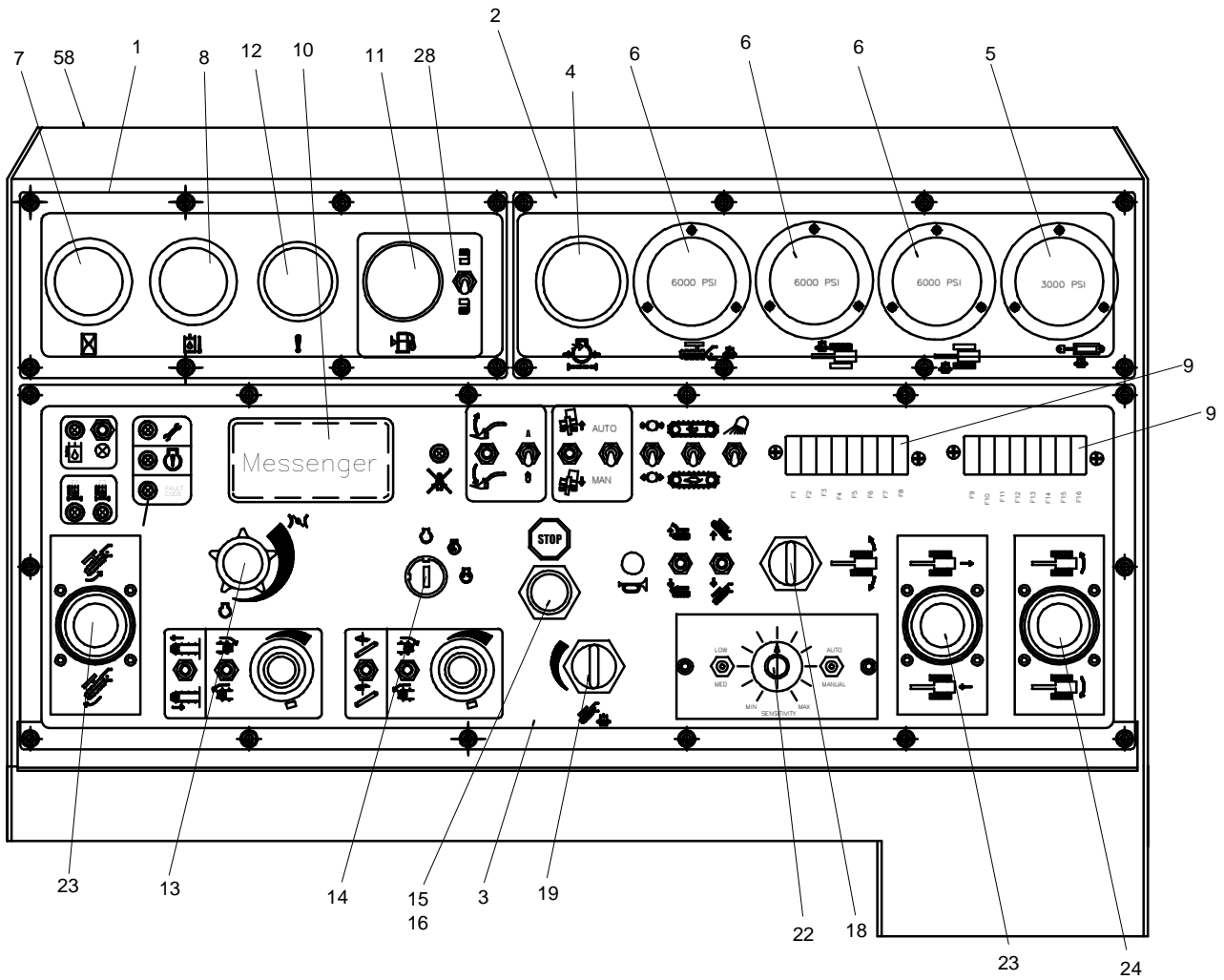
REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-1210-011	2	HANDRAIL	
2.	TSE10-1210-009	1	HANDRAIL	
3.	TSE10-1210-010	1	HANDRAIL	
4.	TS10-1210-008	2	HANDRAIL	
5.	TSU25010010	40	WASHER	
6.	TSU25012010	40	WASHER	
7.	TSU40110032	40	BOLT	
8.	TS32001140	3	SPRING	

NOT SHOWN:

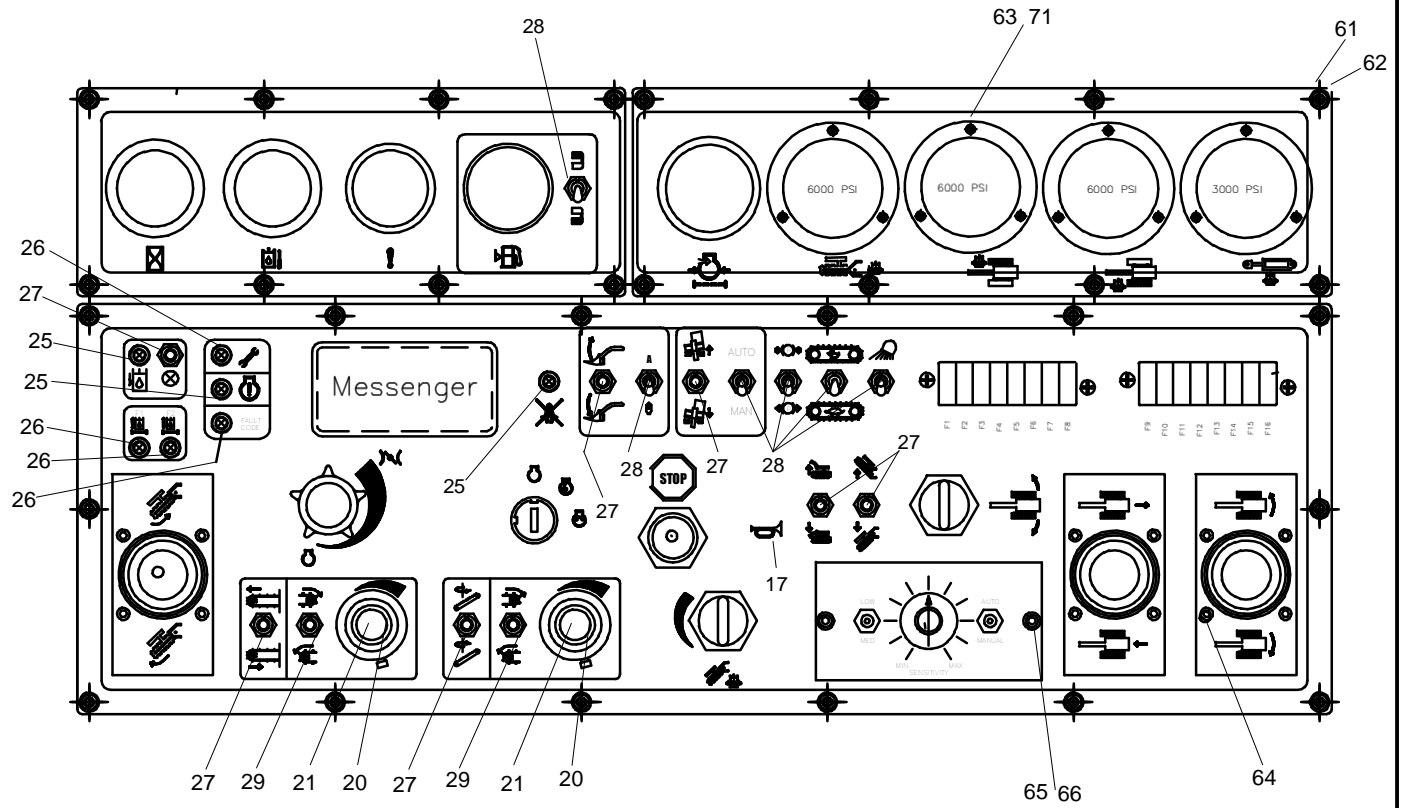
FOOTNOTES:

NOTE:
REF: E10-1210-801

CONSOLE HT300

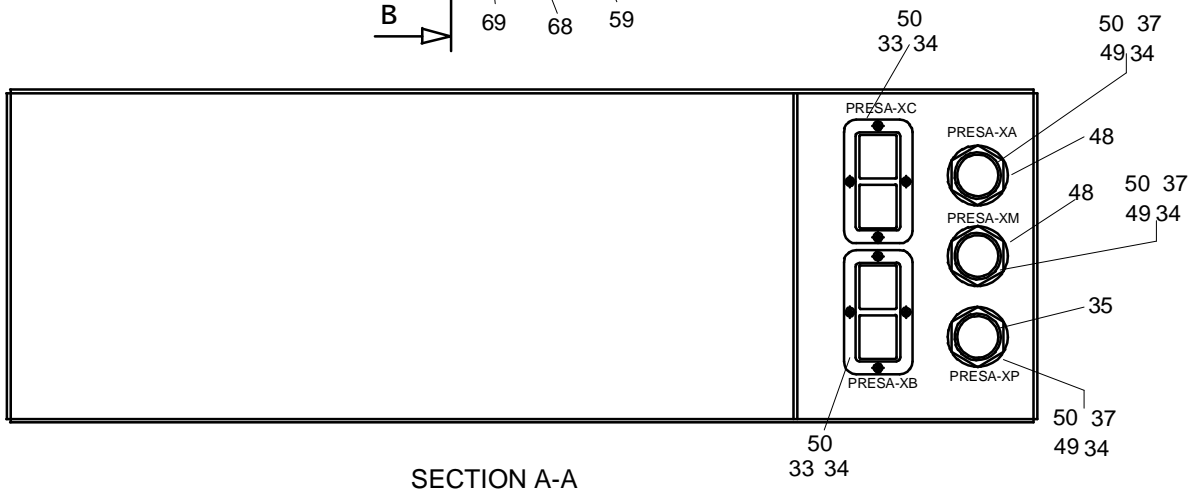
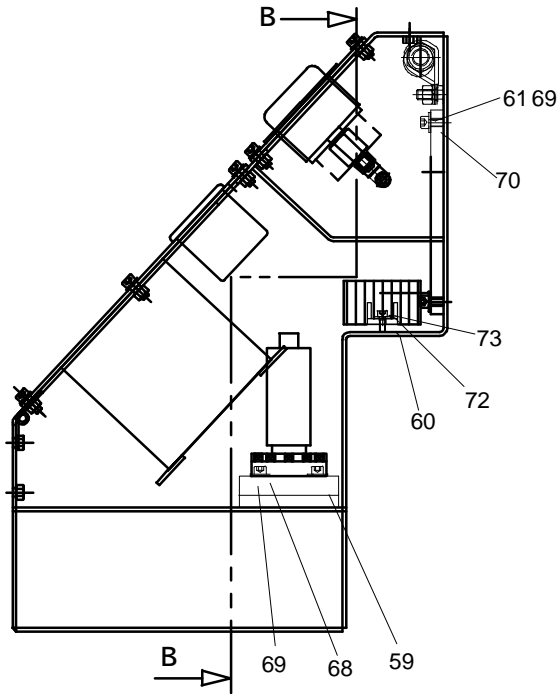
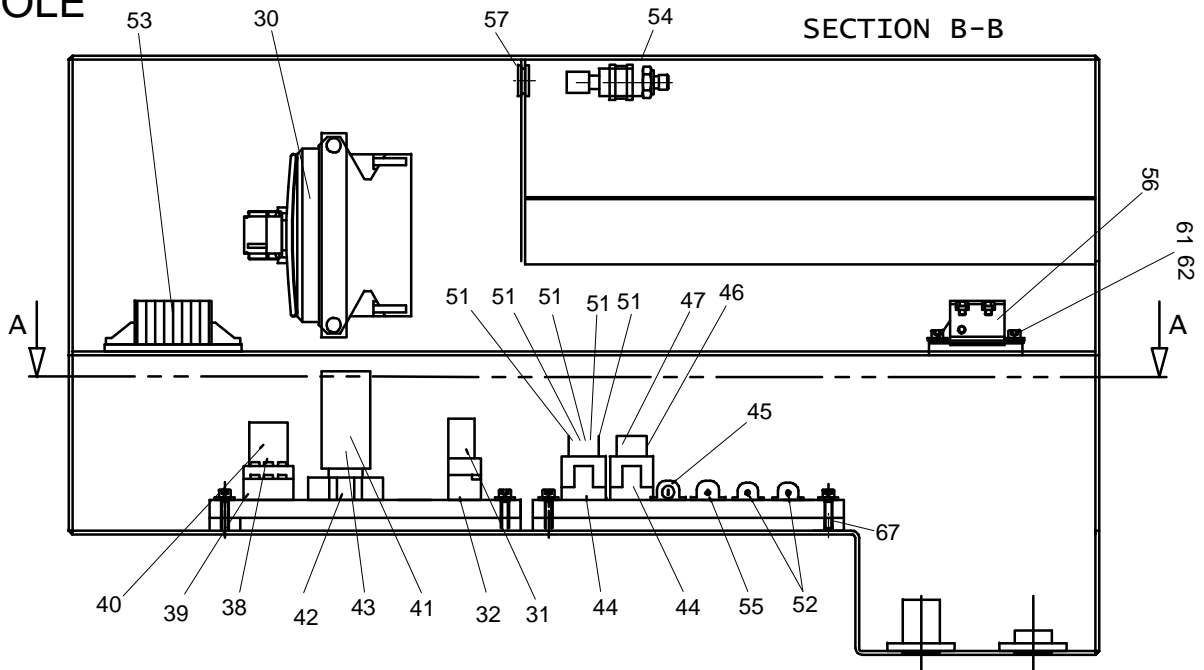


CONSOLE HT300



FUSE TABLE		
F1	--> 5 A	--> POS. 76
F2	--> 5 A	--> POS. 76
F3	--> 5 A	--> POS. 76
F4	--> 10 A	--> POS. 77
F5	--> 3 A	--> POS. 75
F6	--> 3 A	--> POS. 75
F7	--> 3 A	--> POS. 75
F8	--> 7,5 A	--> POS. 78
F9	--> 10 A	--> POS. 77
F10	--> 7,5 A	--> POS. 78
F11	--> 7,5 A	--> POS. 78
F12	--> 5 A	--> POS. 76
F13	--> 3 A	--> POS. 75
F14	--> 3 A	--> POS. 75
F15	--> 3 A	--> POS. 75
F16	--> EMPTY	

CONSOLE HT300



CONSOLE

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS	
1.	TSE10-1300-003	1	PANEL	
2.	TSE10-1300-004	1	PANEL	
3.	TSE10-1300-002	1	PANEL	
4.	TSE10-8600-004	1	GAUGE	
5.	TSE10-6300-001	1	GAUGE	
6.	TSE10-6300-002	1	GAUGE	
7.	TS09102215	1	HOUR METER	
8.	TS09102121	1	TEMPERATURE GAUGE	
9.	TST00-8400-105	2	FUSE HOLDER	
10.	TSV00-8600-003	-	DISPLAY	
11.	TS09100721	1	LEVEL INDICATOR	
12.	TS09100744	1	HORN	
13.	TST00-8500-071	-	THROTTLE	
14.	TSV00-8401-008	-	SWITCH	
15.	TS9103179	1	PUSH BUTTON	
16.	TS09105080	1	PUSH BUTTON BODY	
17.	TST00-8400-059	1	PUSH BUTTON	
18.	TS365-2210-006	1	POTENTIOMETER	
19.	TS365-2210-004	1	POTENTIOMETER	
20.	TS09102617	1	POTENTIOMETER	
21.	TS09100668	1	KNOB	
22.	TST00-8500-023	1	CONTROL	
23.	TST00-8500-038	2	LEVER	
24.	TST00-8500-037	1	LEVER	
25.	TS09101476	3	LAMP	
26.	TS09101473	4	LAMP	
27.	TST00-8400-064	5	SWITCH	
28.	TST00-8400-073	5	SWITCH	
29.	TST00-8400-111	1	SWITCH	
30.	TST00-8500-104	1	ECM	
31.	TST00-8400-005	1	RELAY	
32.	TST00-8400-006	1	RELAY MOUNT	
33.	TS09102766	-	CONNECTOR	
34.	TS09102740	-	CONTACT	
35.	TS09102787	-	CONNECTOR	
36.	TS09102790	-	CONTACT	
37.	TS09105098	-	NUT	
38.	TST00-8400-151	1	RELAY	
39.	TST00-8400-096	1	RELAY MOUNT	
40.	TST00-8400-097	1	SPRING	

NOT SHOWN:

FOOTNOTES:

REF: E10-I300-801

NOTE:

CONSOLE

HT300

REF PART NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
41.	TST00-8400-152	1	RELAY	
42.	TST00-8400-100	1	RELAY MOUNT	
43.	TST00-8400-001	1	SPRING	
44.	TS09105082	1	COMPONENTS HOLDER	
45.	TS09105082	1	RESISTOR	
46.	TST00-8400-008	1	RESISTOR	
47.	TST00-8400-009	1	RESISTOR	
48.	TS09102764	-	CONNECTOR	
49.	TS09105097	-	WASHER	
50.	TS09102782	-	PLUG	
51.	TS09100248	5	DIODE	
52.	TS09105081	2	RESISTOR	
53.	TS09105041	1	VOLTAGE CONVERTER	
54.	TST00-8500-025	1	PRESSURE TRANSDUCER	
55.	TS09105152	1	RESISTOR	
56.	TS09105154	1	RELAY	
57.	TS09104143	1	CHOCK	
58.	TSE10-1300-001	1	PANEL	
59.	TS957820	2	RUBBER	
60.	TS952240	-	FLAT BAR	
61.	TSU41506012	34	BOLT	
62.	106-388	34	WASHER (M6)	
63.	TS40503010	12	BOLT	
64.	TS40705021	12	BOLT	
65.	TSU40506019	2	BOLT	
66.	TS25012006	2	WASHER	
67.	TS952220	-	FLAT BAR	
68.	TSU41506025	8	BOLT	
69.	TSU25015006	12	WASHER	
70.	TS952230	-	FLAT BAR	
71.	TS26210103	12	NUT	
72.	TSU40505013	2	BOLT	
73.	TS250100005	2	WASHER	

NOT SHOWN:

TSE10-2220-809	1	WIRING HARNESS
TS09101761	6	FUSE
TS09101381	4	FUSE
TS09101043	2	FUSE
TS09100578	3	FUSE

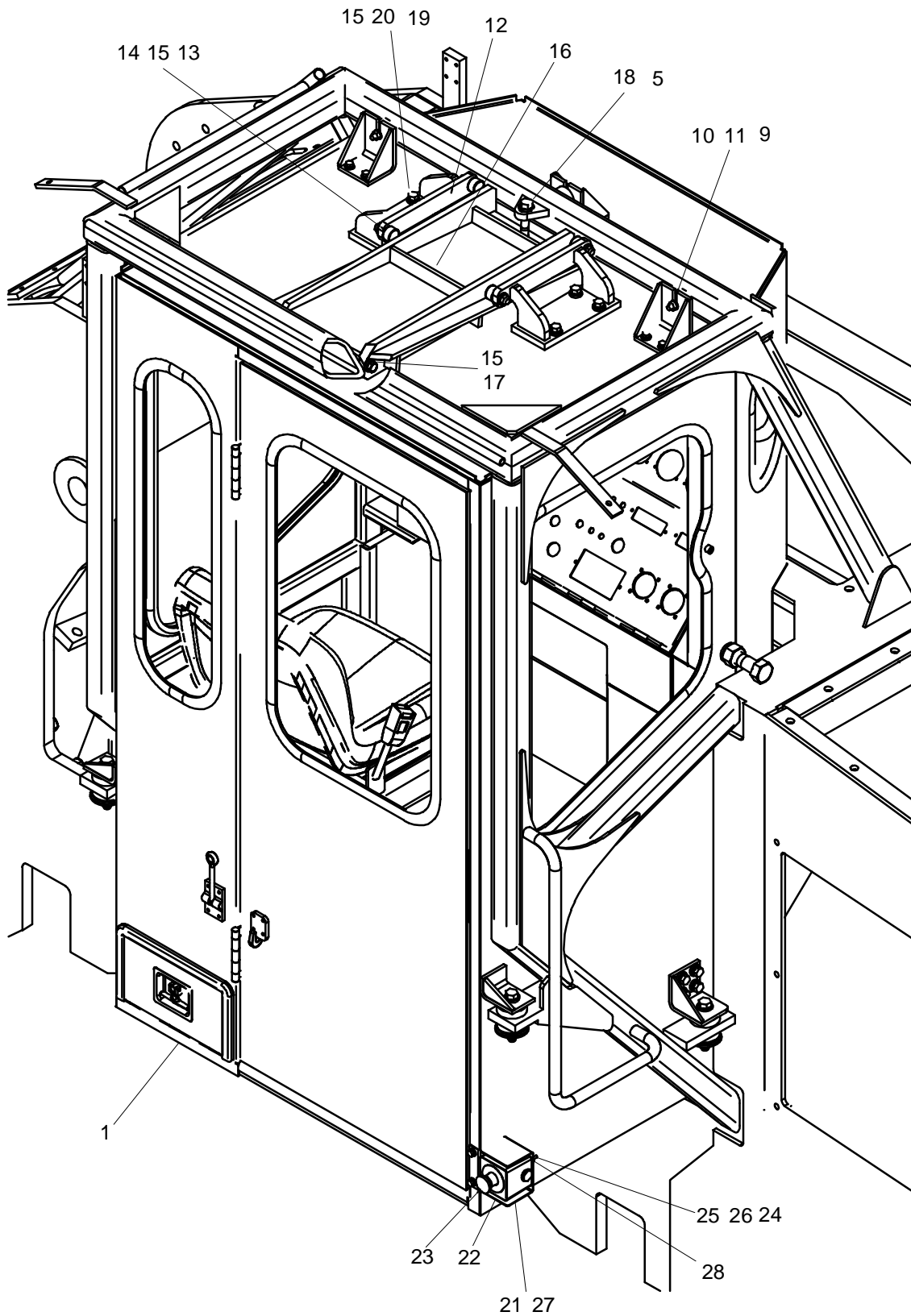
FOOTNOTES:

NOTE:

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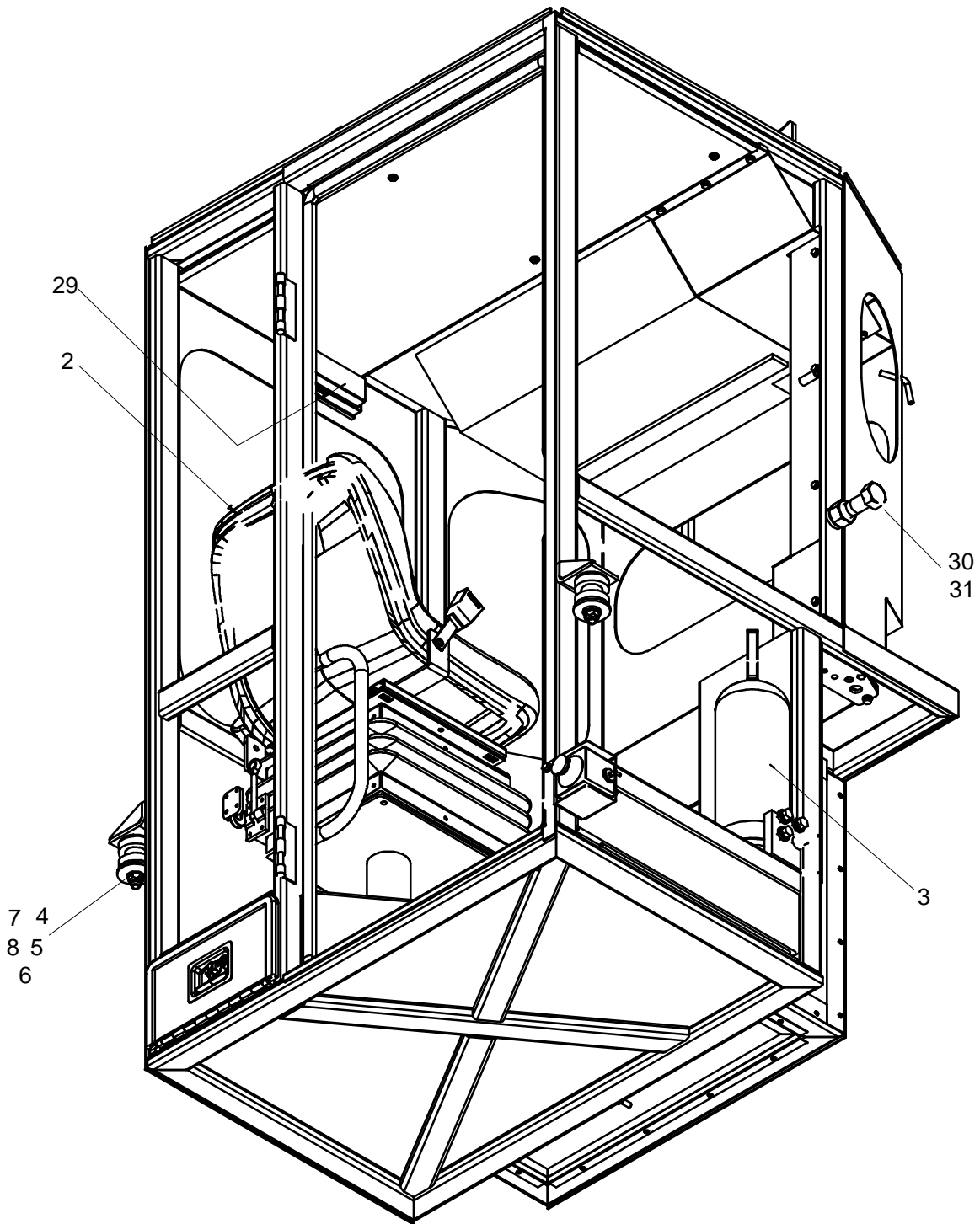
CAB INSTALLATION

HT300



CAB INSTALLATION

HT300



CAB INSTALLATION

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-1304-800	1	CAB ASSEMBLY	
2. TS30003097	1	SEAT	
3. TS30003059	1	EXTINGUISHER	
4. TS50000085	4	RUBBER MOUNT	
5. TSU25010016	9	WASHER	
6. TSU42116114	4	BOLT	
7. TSE10-1303-003	4	WASHER	
8. TSU26201016	4	LOCKNUT	
9. TSV00-4501-001	3	BUMPER	
10. TSU26201010	3	LOCKNUT	
11. TSU25010010	3	WASHER	
12. TSE10-1303-001	2	SUPPORT	
13. TSV00-3204-001	4	PIN	
14. TSU26000013	6	PIN	
15. TSU25010013	16	WASHER	
16. TSE10-1303-002	1	SLIDE	
17. TSU42113032	2	BOLT	
18. TSU42116095	1	BOLT	
19. TSU42113032	8	BOLT	
20. TSU25012013	8	WASHER	
21. TS09103180	1	BOX	
22. TS09100941	1	PLATE	
23. TS09103179	1	PUSH BUTTON	
24. TSU25010025	2	WASHER	
25. TSU40505038	2	BOLT	
26. TSU26201005	2	LOCKNUT	
27. TS09105080	1	PUSH BUTTON BODY	
28. TS09103190	1	FITTING	
29. TS09102310	1	LIGHT	
30. TSU42129114	2	BOLT	
31. TSU26202129	2	NUT	

NOT SHOWN:

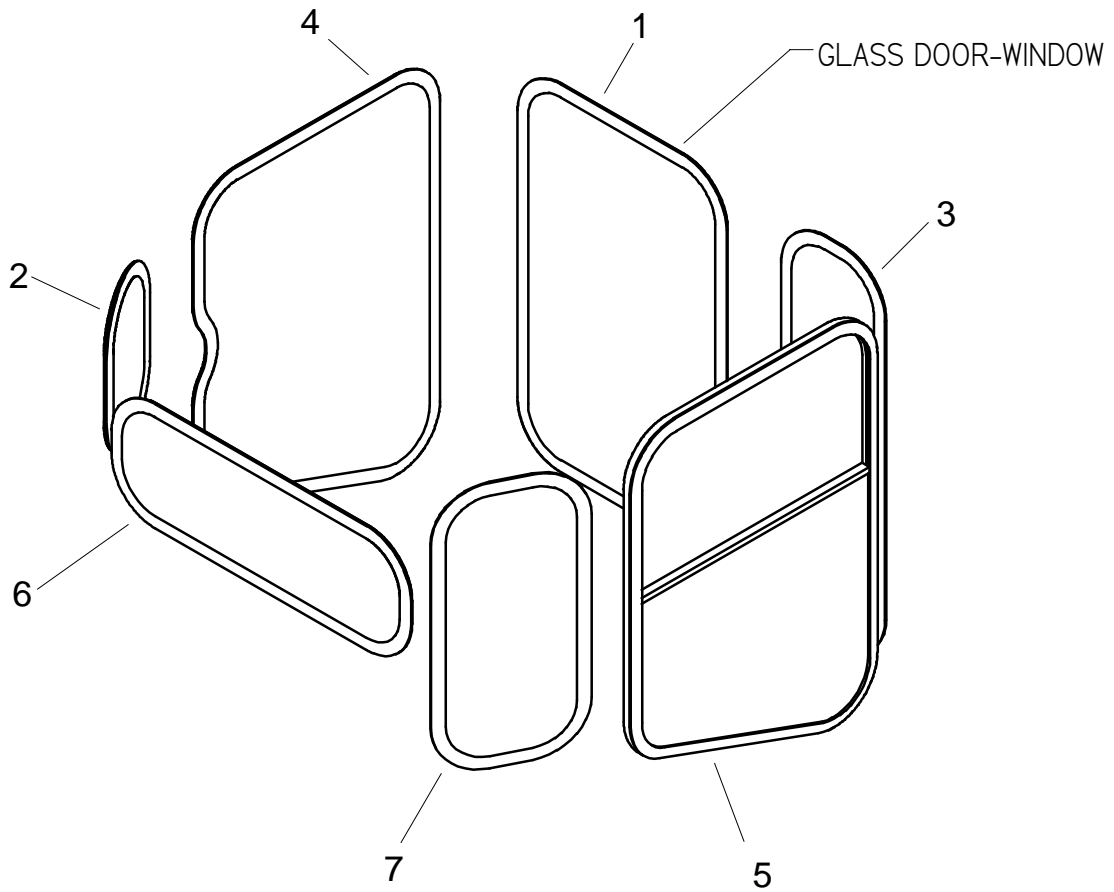
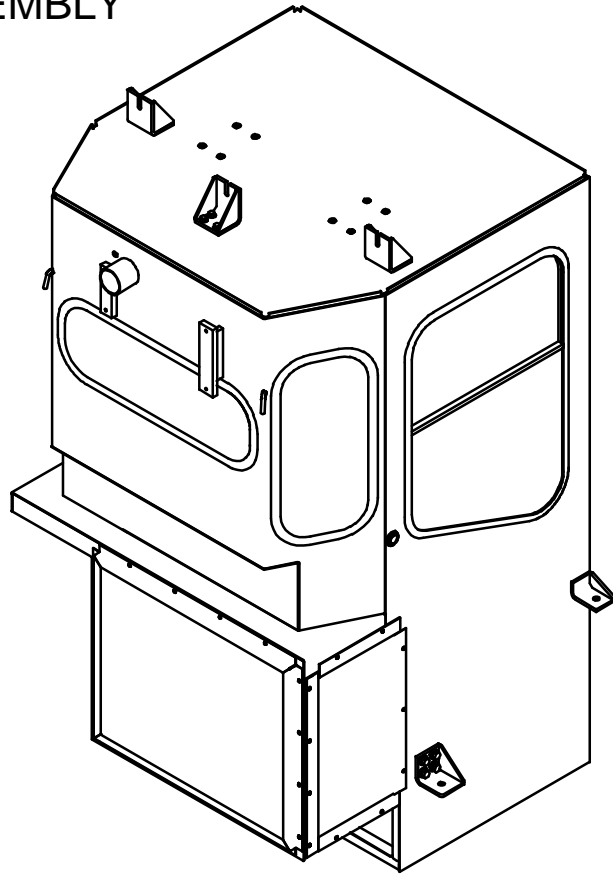
FOOTNOTES:

NOTE:

REF: E10-I303-800

WINDOWS ASSEMBLY

HT300



WINDOWS ASSEMBLY

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-1304-028	1	GLASS	
2.	TSE10-1304-029	1	GLASS	
3.	TSE10-1304-030	1	GLASS	
4.	TSE10-1304-031	1	GLASS	
5.	TSE10-1304-032	1	WINDOW	
6.	TSE10-1304-033	1	GLASS	
7.	TSE10-1304-034	1	GLASS	

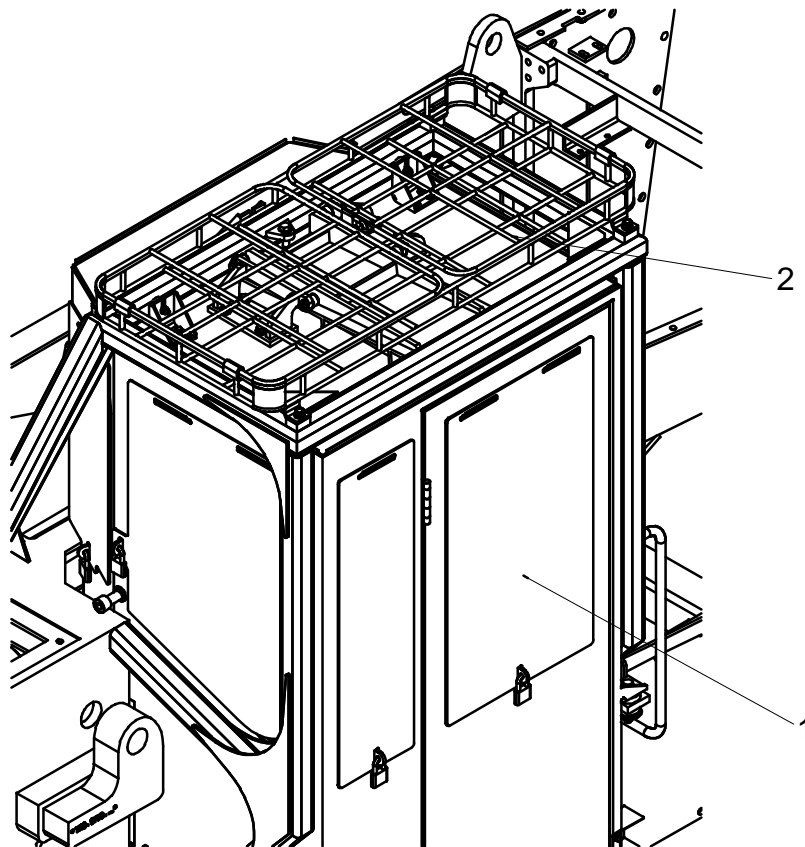
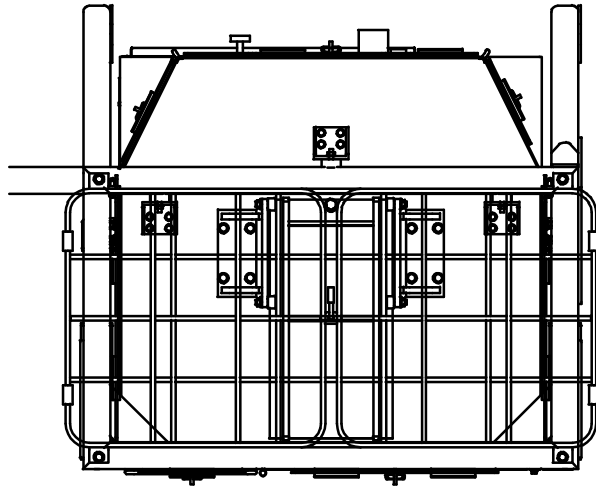
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FOOTNOTES:

NOTE:

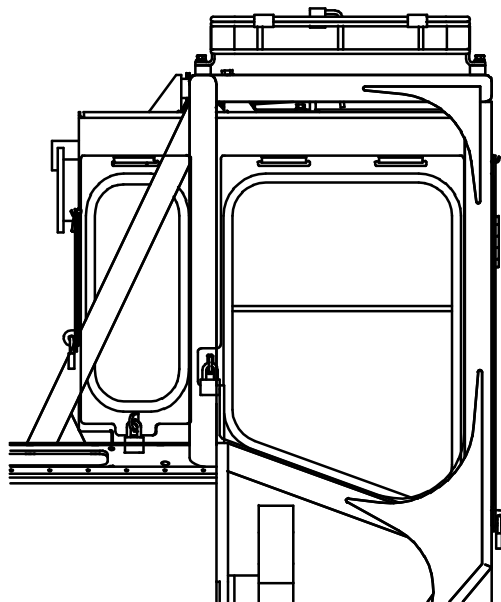
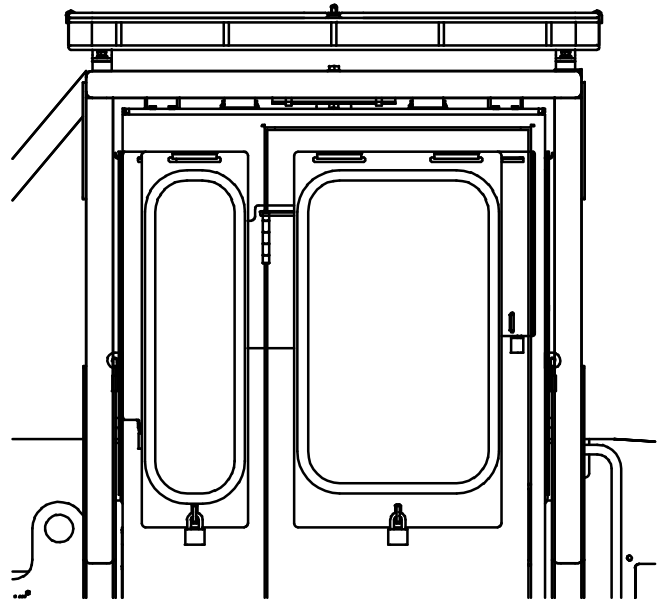
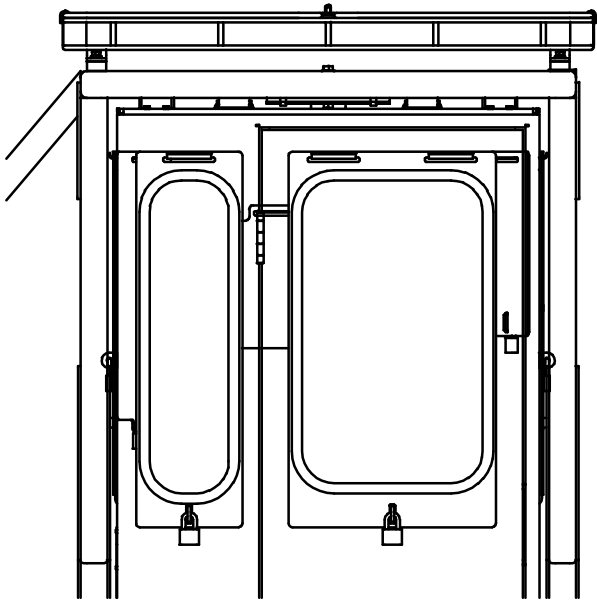
REF: E10-1304-811

KIT, ANTI VANDALISM GUARD HT300



KIT, ANTI VANDALISM GUARD

HT300



KIT, ANTI VANDALISM GUARD HT300

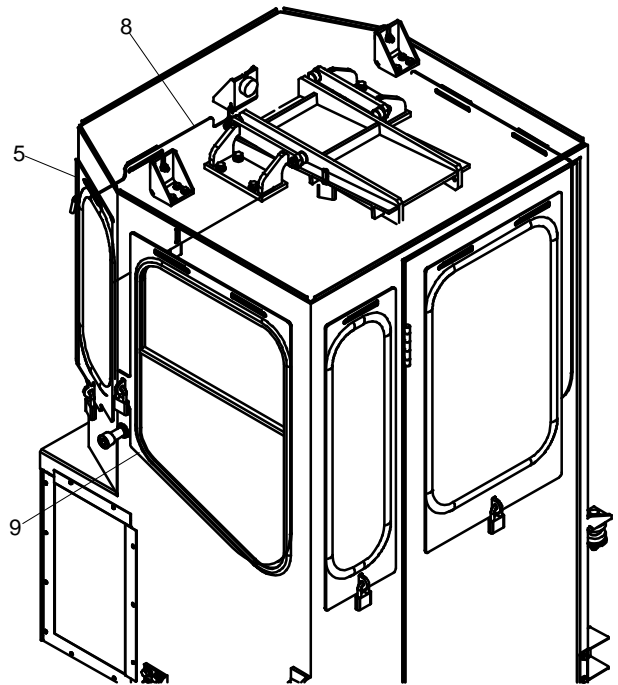
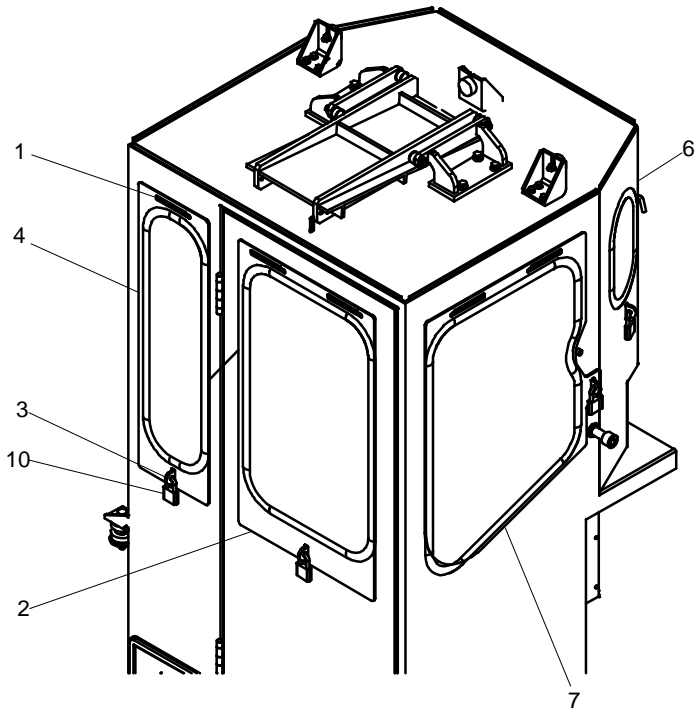
REF PART					
NO.	NUMBER	QTY	DESCRIPTION		REMARKS
1.	TSE10-1304-823	1	SHIELD ASSEMBLY		
2.	TSE10-1304-824	1	RACK ASSEMBLY		

NOT SHOWN:

FOOTNOTES:

NOTE:
REF: E10-I304-822

ANTI-VADALISM GUARD ASSEMBLY HT300



ANTI-VADALISM GUARD ASSEMBLY HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-1304-007	11	HOOK	
2. TSE10-1304-006	1	COVER	
3. TSE10-1304-008	1	RETAINER	
4. TSE10-1304-009	1	COVER	
5. TSE10-1304-010	1	COVER	
6. TSE10-1304-011	1	COVER	
7. TSE10-1303-012	1	COVER	
8. TSE10-1303-013	1	COVER	
9. TSE10-1303-014	1	COVER	
10. TS37100010	7	BRASS PADLOCK	

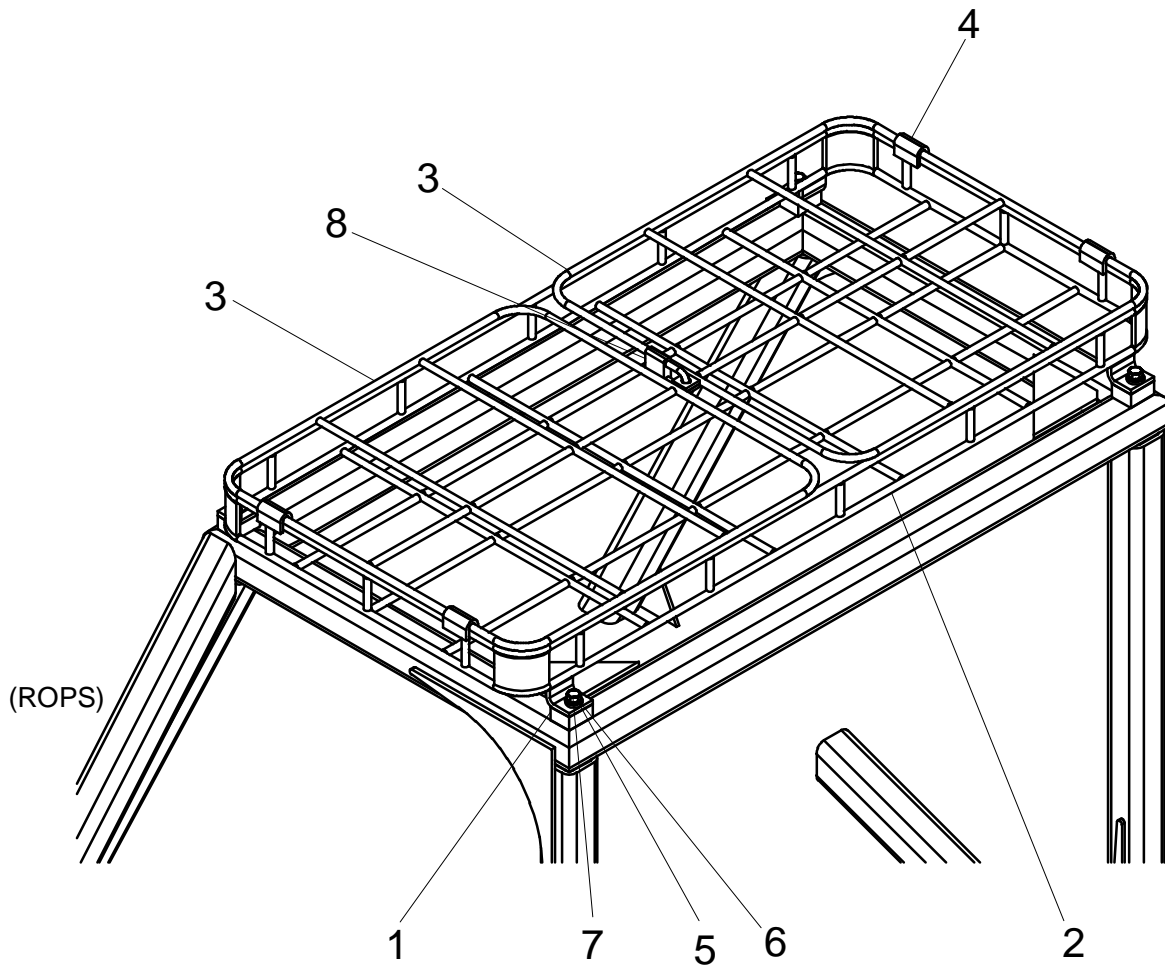
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FOOTNOTES:

NOTE:

REF: E10-I304-823

CARRIER ASSEMBLY HT300



CARRIER ASSEMBLY

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-1304-002	4	SHIM	
2.	TSE10-1304-003	1	FRAME	
3.	TSE10-1304-004	2	ROOF RACK HATCH	
4.	TSE10-1304-005	4	RETAINER	
5.	TS25012013	4	WASHER	
6.	TS25010013	4	WASHER	
7.	TSU42113032	4	BOLT	
8.	TS37100010	1	BRASS PADLOCK	

NOT SHOWN:

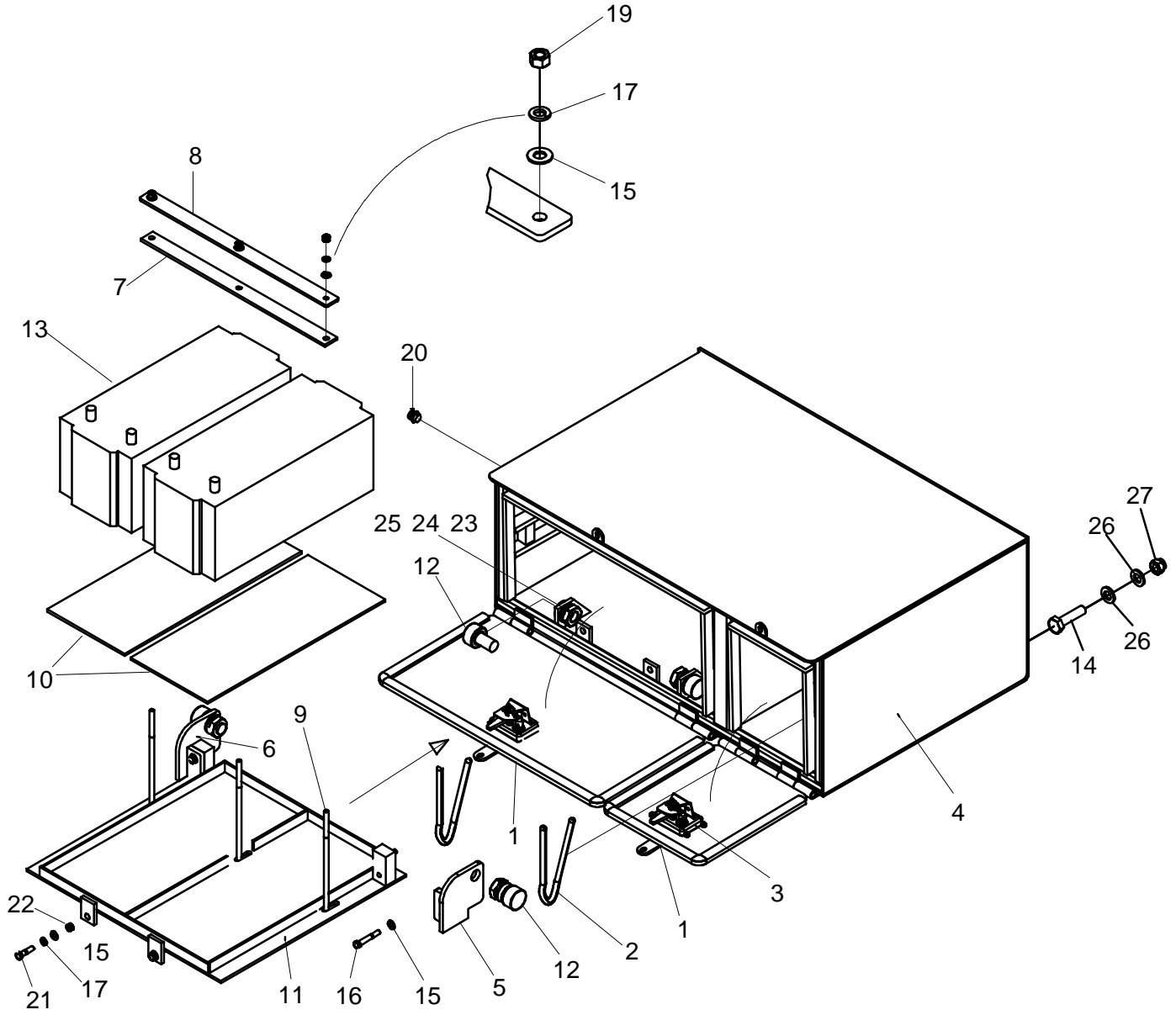
FOOTNOTES:

NOTE:

REF: E10-I304-824

BATTERY INSTALLATION

HT300



BATTERY INSTALLATION

HT300

REF PART					REMARKS
NO.	NUMBER	QTY	DESCRIPTION		
1.	TSV00-5305-001	AR	SEAL		USE 2.2M
2.	TSV00-3620-001	1	CHAIN		
3.	TSV00-9040-001	2	LOCKING		
4.	TSE10-1520-009	1	BOX		
5.	TSE10-1520-002	1	SUPPORT		
6.	TSE10-1520-003	1	SUPPORT		
7.	TSE10-1520-004	1	RUBBER		
8.	TSE10-1520-005	1	FLAT BAR		
9.	TSE10-1502-006	3	PULLER		
10.	TSE10-1520-007	2	RUBBER		
11.	TSE10-1520-008	1	SUPPORT		
12.	TSV00-3204-002	4	PIN		
13.	TSV00-4700-001	2	BATTERY		
14.	TSU40122076	6	BOLT		
15.	106-390	9	WASHER (M10)		
16.	TSU40110064	4	BOLT		
17.	106-090	9	LOCK WASHER (M10)		
18.	TSU26201010	2	LOCKNUT		
19.	106-175	2	NUT (M10-1.50)		
20.	TST00-8400-059	1	PUSH BUTTON		
21.	TSU40110038	2	BOLT		
22.	TSU26201019	6	LOCKNUT		
23.	TS26201425	4	NUT		
24.	TS25012025	4	WASHER		
25.	TSU25015025	4	WASHER		
26.	TSU25015019	12	WASHER		

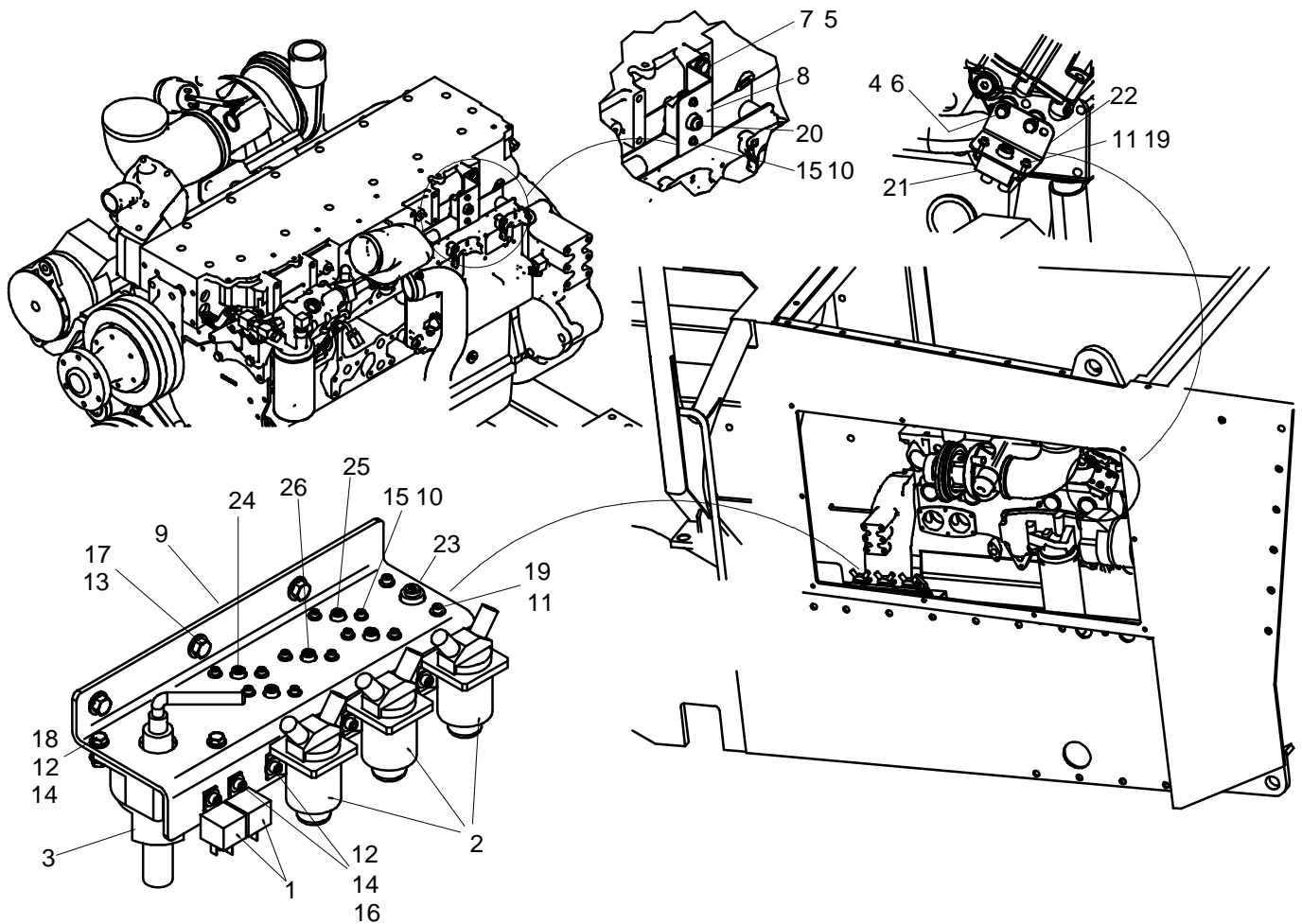
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FOOTNOTES:

NOTE:

REF: E10-1520-801

BATTERY DISCONNECT SWITCH HT300



BATTERY DISCONNECT SWITCH

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TS09100119	2	RELAY	
2.	TS9101189	3	RELAY	
3.	TS9104160	1	SWITCH	
4.	TS25110008	2	WASHER	
5.	TS25110011	2	WASHER	
6.	TS41308020	2	BOLT	
7.	TS46310025	2	BOLT	
8.	TSE10-2250-004	1	PLATE	
9.	TSE10-2250-005	1	PLATE	
10.	TSU25010004	12	WASHER	
11.	TS25010005	4	WASHER	
12.	106-388	20	WASHER (M6)	
13.	106-390	3	WASHER (M10)	
14.	TSU26201006	10	LOCKNUT	
15.	TSU40504025	12	BOLT	
16.	TSU41506019	8	BOLT	
17.	TSU42110019	3	BOLT	
18.	TSU42506019	1	BOLT	
19.	TSU42605025	4	BOLT	
20.	TSV00-8401-001	-	THERMAL PROTECTION	
21.	TSV00-8401-002	-	THERMAL PROTECTION	
22.	TSV00-8401-003	-	MOUNTING	
23.	TSV00-8401-004	-	THERMAL PROTECTION	
24.	TSV00-8401-005	-	THERMAL PROTECTION	
25.	TSV00-8401-006	-	THERMAL PROTECTION	
26.	TSV00-8401-007	-	THERMAL PROTECTION	

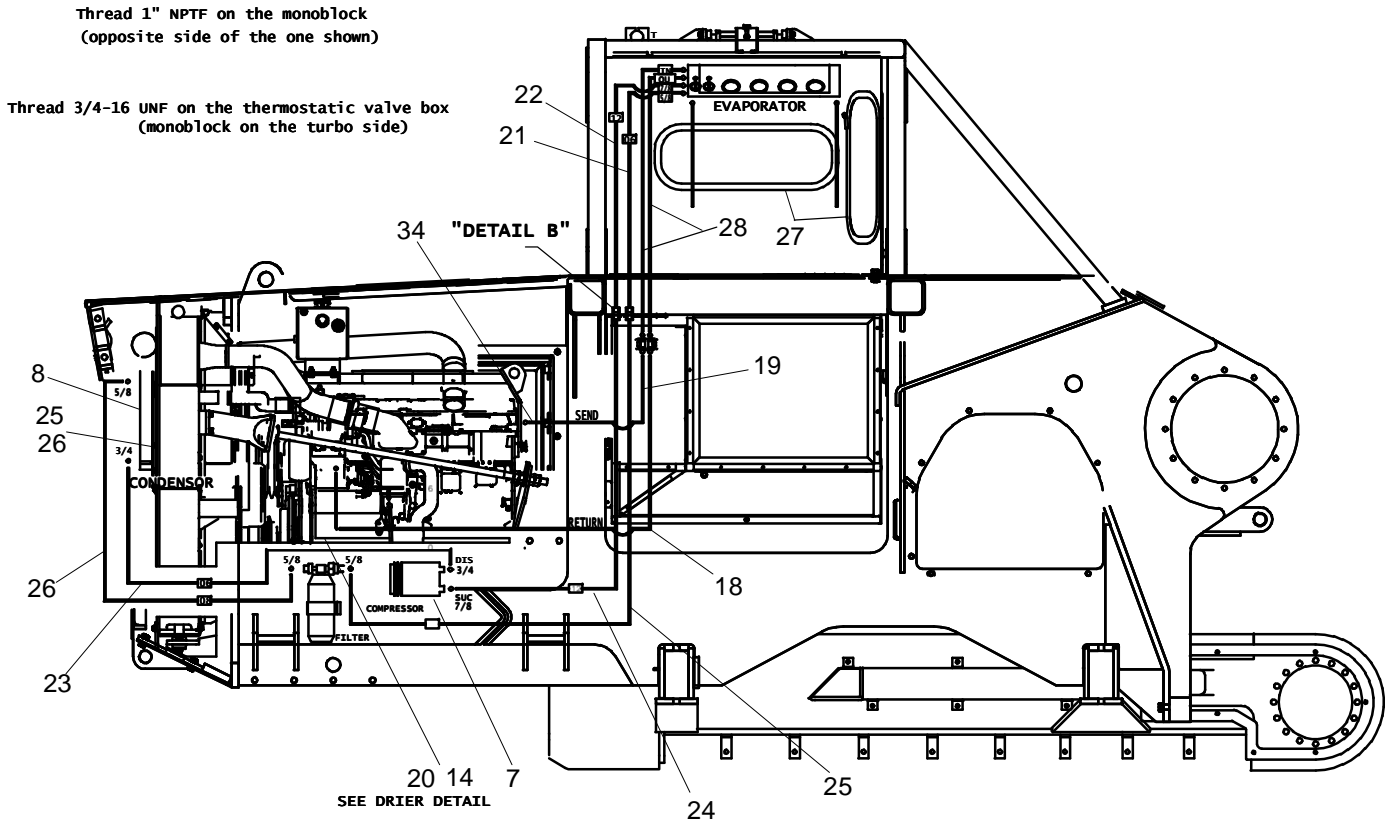
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FOOTNOTES:

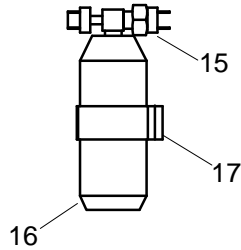
NOTE:

REF: E10-2250-800

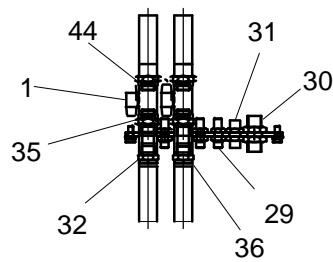
AIR CONDITIONER ASSEMBLY HT300



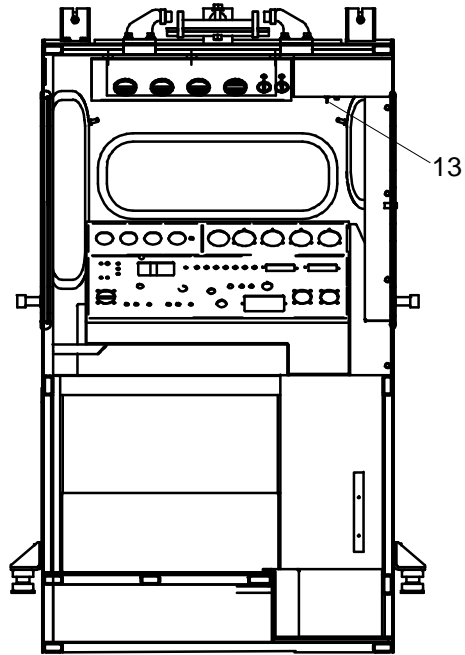
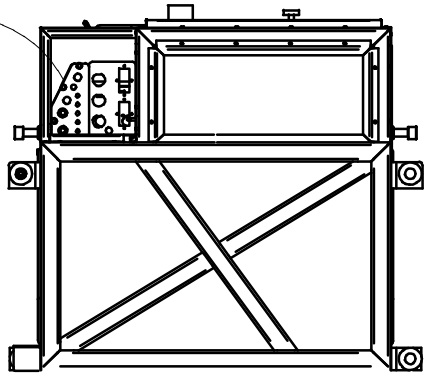
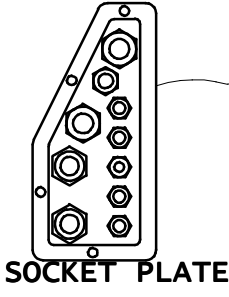
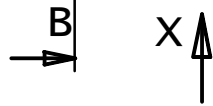
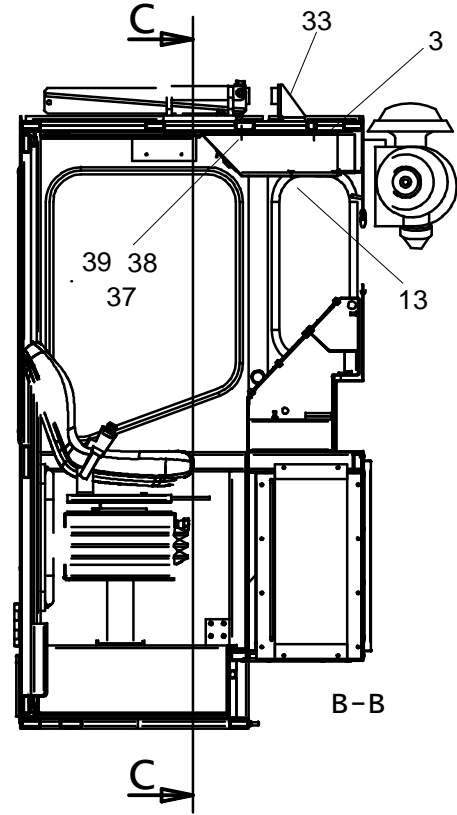
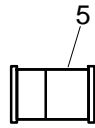
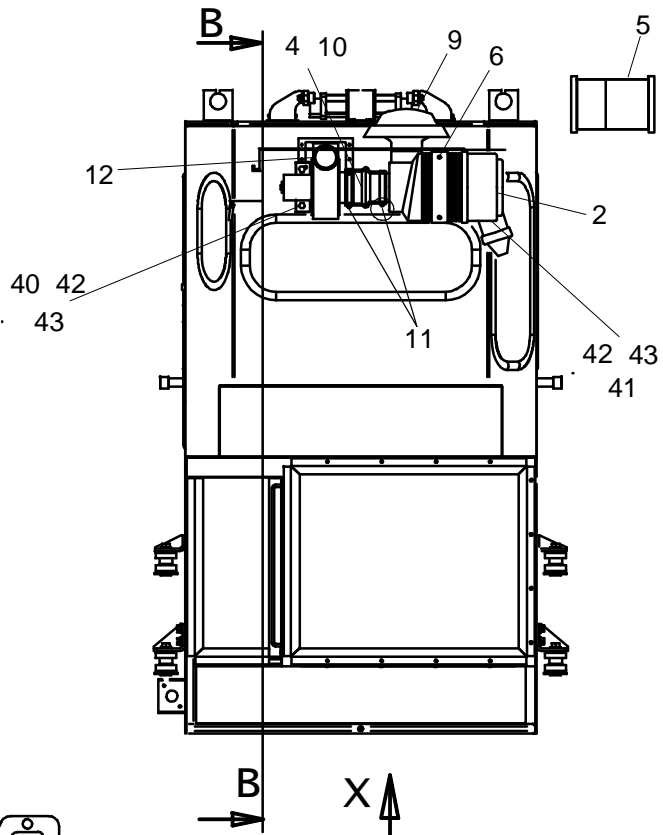
DRIER DETAIL



DETAIL B



AIR CONDITIONER ASSEMBLY HT300



C-C

AIR CONDITIONER ASSEMBLY

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSV00-6130-004	2	COCK	
2. TSV00-1800-003	1	FILTER	
3. TSV00-1800-001	1	EVAPORATOR	
4. TSV00-1800-002	1	PRESSURIZER	
5. 500-1798	-	FILTER	TS36401132
6. TSV00-1800-004	1	MOUNTING	
7. TSV00-1800-007	1	COMPRESSOR	
8. TSV00-6620-001	1	CONDENSATOR	
9. TSV00-1800-006	1	CLAPET	
10. TSV00-1800-005	1	FITTING	
11. TS5309026	2	CLAMP	
12. TS05305082	1	CLAMP	
13. TST00-8400-073	1	SWITCH	
14. TS05703391	1	NIPPLE	
15. TSV00-8603-004	1	PRESSURE SWITCH	
16. TSV00-1800-008	1	FILTER	
17. TSV00-1800-009	1	MOUNTING	
18. TS05203064	-	HOSE	
19. TS05203063	-	HOSE	
20. TS01600200	1	FITTING	
21. TSV00-1800-012	-	HOSE	
22. TSV00-1800-013	-	HOSE	
23. TSV00-1800-014	-	HOSE	
24. TSV00-1800-015	-	HOSE	
25. TS25011008	4	WASHER	
26. 107-096	4	LOCKNUT (M8-1.25, NLK)	
27. TS5100026	2	HOSE	
28. TS05100012	2	HOSE	
29. TS06000117	5	NIPPLE	
30. TS36401252	1	FITTING	
31. TS36401254	1	FITTING	
32. TS05700119	2	FITTING	
33. TS36401117	-	FILTER	
34. TS05703377	1	NIPPLE	
35. TS05802056	2	NIPPLE	
36. TS05305022	2	CLAMP	
37. TSU40110032	6	BOLT	
38. 106-390	12	WASHER (M10)	
39. 106-090	6	LOCK WASHER (M10)	
40. TSU40108025	2	BOLT	
41. 106-389	8	WASHER (M8)	
42. TS25012008	4	WASHER	
43. TSU40108016	2	WASHER	
44. TS05703391	2	NIPPLE	

NOT SHOWN:

TS897820	-	SUPPORT
TSV00-1800-011	-	HOSE
TSV00-1800-010	-	HOSE
TSE00-1800-801	-	HOSES SCHEMATIC
TSE10-2200-801	-	ELECTRIC SCHEMATIC

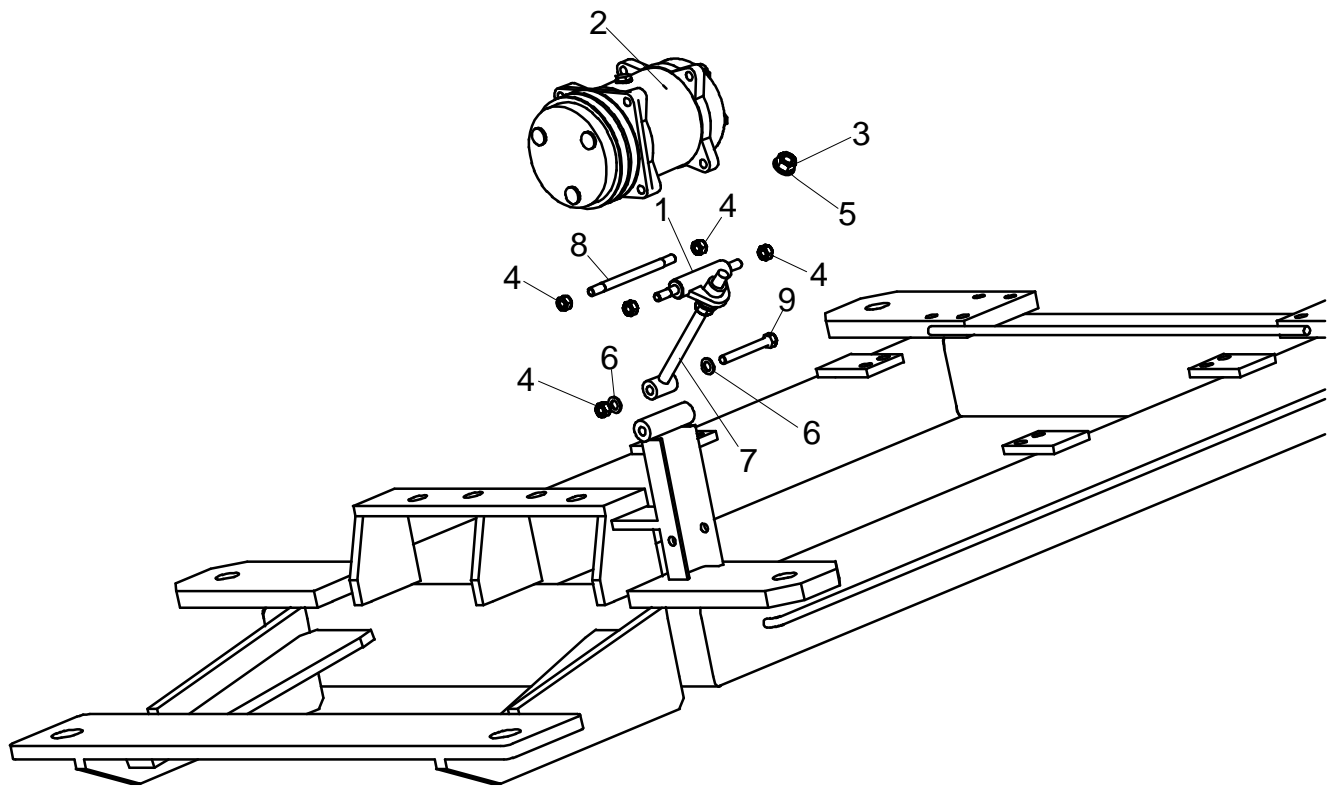
FOOTNOTES:

NOTE:

REF: E10-I800-802

COMPRESSOR SUPPORT ASSEMBLY

HT300



COMPRESSOR SUPPORT ASSEMBLY

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-4500-020	1	HINGE	
2.	TSV00-1800-007	-	COMPRESSOR	
3.	TSU26200113	2	NUT	
4.	TSU26201010	5	LOCKNUT	
5.	TS25010013	2	WASHER	
6.	106-390	4	WASHER (M10)	
7.	TSE10-4500-016	1	PULLER	
8.	TSE10-4500-015	2	PULLER	
9.	TSU42110076	1	BOLT	

NOT SHOWN:

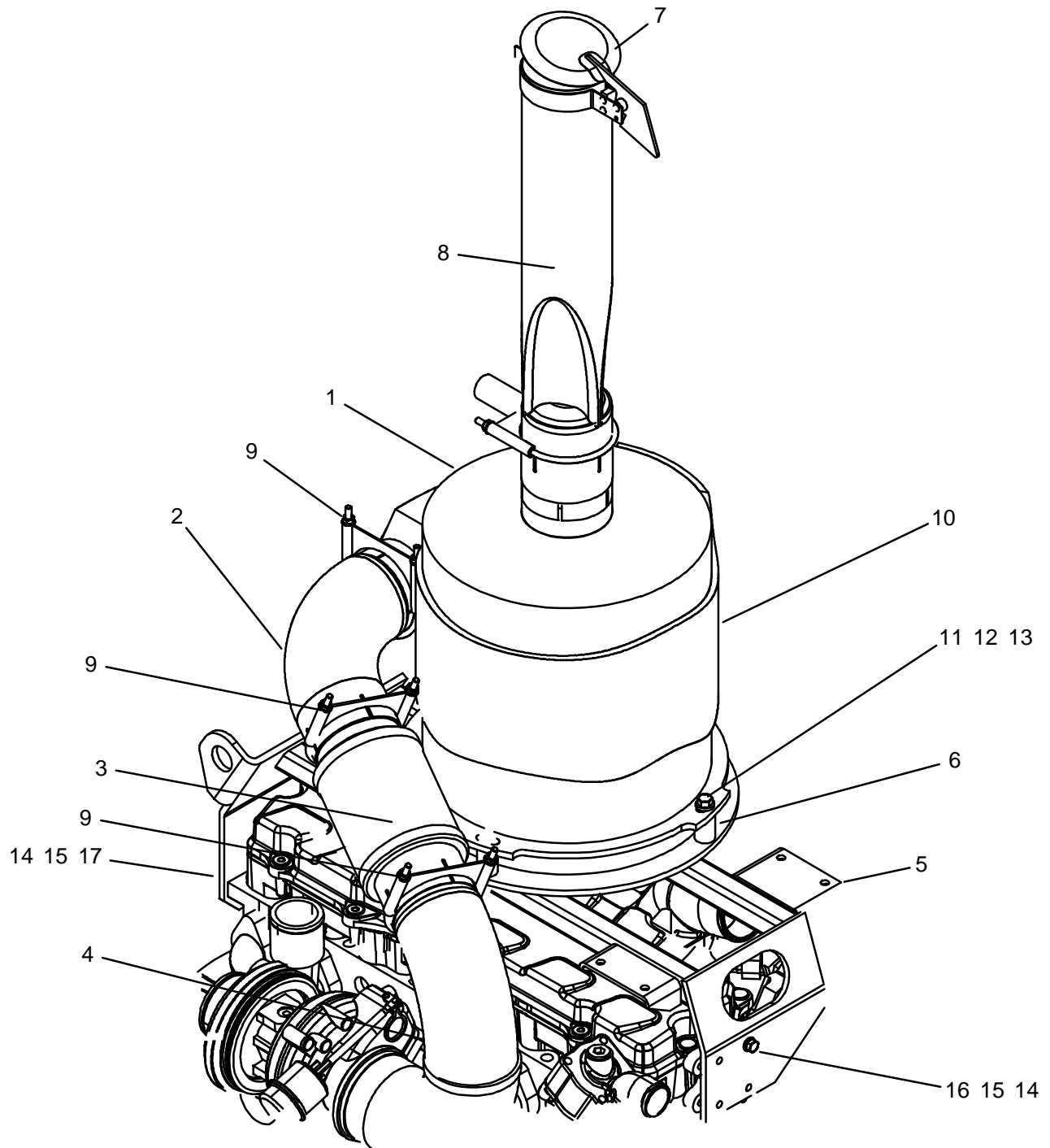
FOOTNOTES:

NOTE:

REF: E10-4500-801

SILENCER INSTALLATION

HT300



SILENCER INSTALLATION

HT300

REF PART					
NO.	NUMBER	QTY	DESCRIPTION		REMARKS
1.	TSE10-4504-001	1	SILENCER		
2.	TSE10-4504-002	1	MANIFOLD		
3.	TSE10-4504-003	1	JOINT		
4.	TSE10-4504-004	1	HOSE		
5.	TSE10-4504-005	1	SUPPORT		
6.	TSE10-4504-006	1	SUPPORT		
7.	TSV00-4504-002	1	CLAPET		
8.	TSV00-4505-004	1	EJECTOR		
9.	TSV00-7050-002	4	CLAMP		
10.	TSV00-1620-002	1	THERMAL INSULATION		
11.	TS25010013	8	WASHER		
12.	TSU40113095	4	BOLT		
13.	TSU2620013	4	LOCKNUT		
14.	106-390	7	WASHER (M10)		
15.	106-090	7	LOCK WASHER (M10)		
16.	TS40310035	4	BOLT		
17.	TS40310025	3	BOLT		

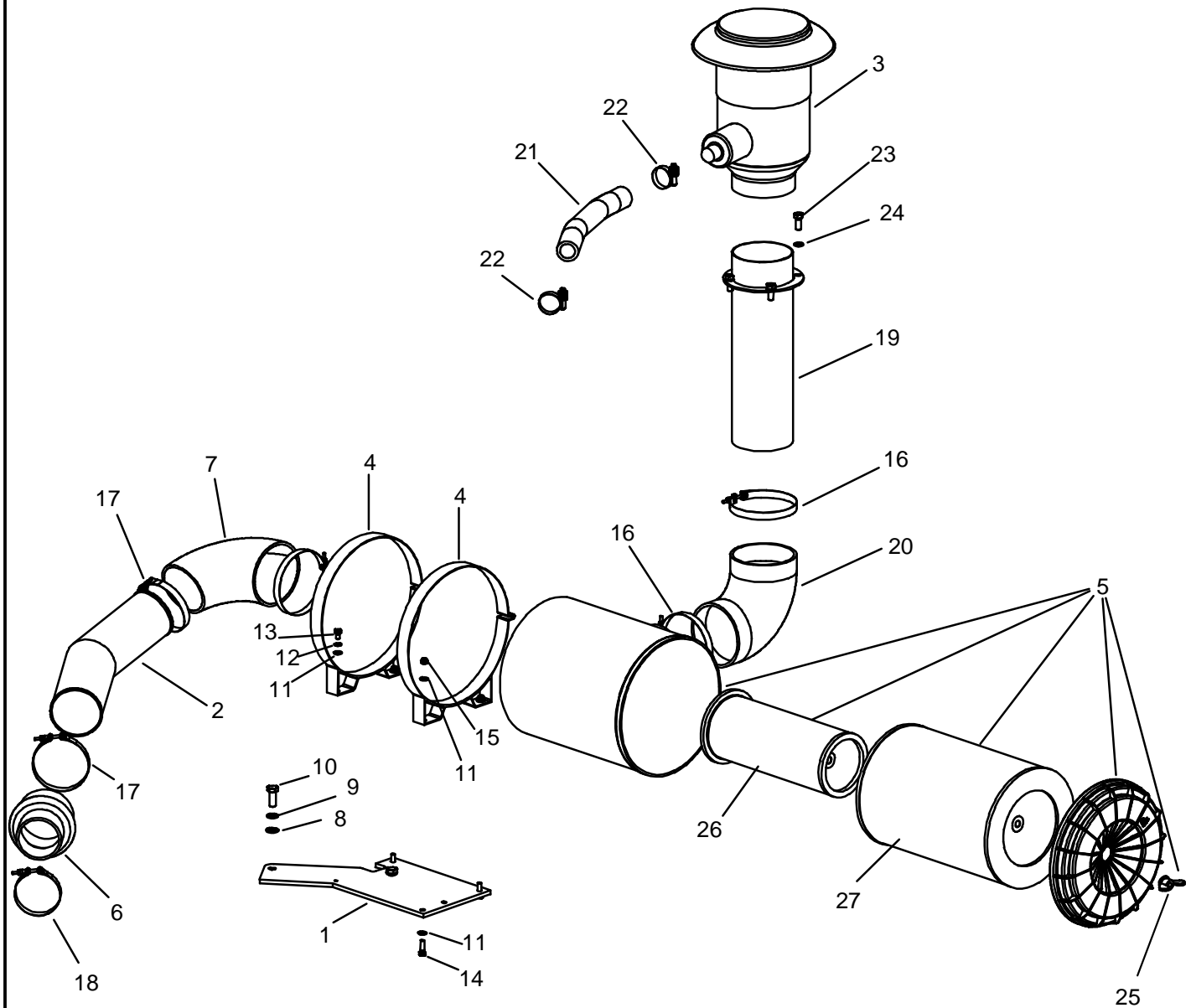
NOT SHOWN:

FOOTNOTES:

NOTE:
REF. E10-4504-800

AIR CLEANER INSTALLATION

HT300



AIR CLEANER INSTALLATION

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-4505-001	1	PLATE	
2. TSE10-4505-003	1	MANIFOLD	
3. TSV00-4505-001	1	PREFILTER	
4. TSV00-4505-002	2	MOUNTING	
5. TSV00-4505-005	1	FILTER, HOUSING	INC'LS REF #26 & #27
6. TSV00-4505-007	1	FITTING	
7. TSV00-4505-008	1	FITTING	
8. TS25110016	2	WASHER	
9. TS25112016	2	WASHER	
10. 105-998	2	SCREW (M16-2.00 X 40mm)	
11. 106-390	7	LOCK WASHER (M10)	
12. 106-090	1	WASHER (M10)	
13. TSU40110019	1	BOLT	
14. TSU40110032	3	BOLT	
15. TSU26201010	3	LOCKNUT	
16. TSV00-7050-003	3	CLAMP	
17. TSV00-7050-004	2	CLAMP	
18. TSV00-7050-005	1	CLAMP	
19. TSE10-4505-009	1	MANIFOLD	
20. TSV00-4505-009	1	FITTING	
21. TS0510014	AR	HOSE	USE 1 @ 8"
22. TSV00-7050-006	2	CLAMP	
23. TSU40113032	4	BOLT	
24. TS25012013	4	WASHER	
25. TSE10-4505-005	-	NUT	
26. 500-1797	-	FILTER	TSV00-4505-013
27. 500-1796	-	FILTER	TSV00-4505-014

NOT SHOWN:

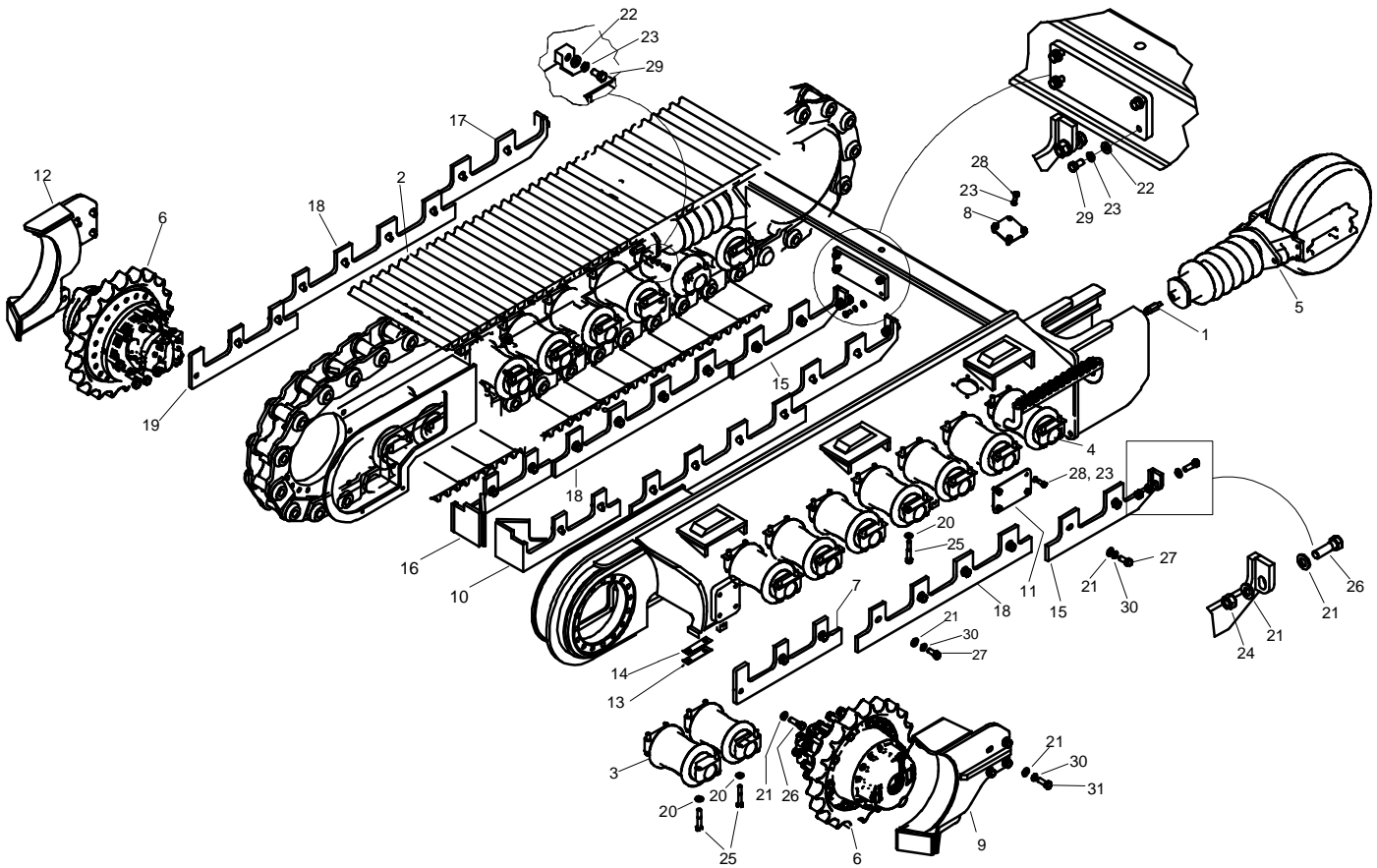
FOOTNOTES:

NOTE:

REF. E10-4505-801

TRACK ASSEMBLY

HT300



TRACK ASSEMBLY

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSV00-6204-001	2 VALVE	
2.	TSV00-2604-001	2 TRACK	
3.	TSV00-2603-003	2 ROLLER	
4.	TSV00-2603-002	16 ROLLER	
5.	TSV00-2602-001	2 TENSIONER	
6.	TSE10-2600-800	2 TRACK DRIVE ASSEMBLY	
7.	TSE10-2600-014	1 GUARD	
8.	TSE10-2600-013	2 COVER	
9.	TSE10-2600-011	1 GUARD	
10.	TSE10-2600-010	1 GUARD	
11.	TSE10-2600-009	2 COVER	
12.	TSE10-2600-008	1 GUARD	
13.	TSE10-2600-007	32 SHIM	
14.	TSE10-2600-006	32 SHIM	
15.	TSE10-2600-005	2 GUARD	
16.	TSE10-2600-004	1 GUARD	
17.	TSE10-2600-003	2 GUARD	
18.	TSE10-2600-002	4 GUARD	
19.	TSE10-2600-001	1 GUARD	
20.	TSE10-2600-012	72 WASHER	
21.	TSU25015019	52 WASHER	
22.	TS25010013	16 WASHER	
23.	TS25012013	16 WASHER	
24.	TSU26201019	6 LOCKNUT	
25.	TSU42116095	72 BOLT	
26.	TSU40119064	6 BOLT	
27.	TSU40119051	40 BOLT	
28.	TSU40113032	16 BOLT	
29.	TSU40113025	16 BOLT	
30.	TS25012019	8 WASHER	
31.	TSU40119044	32 BOLT	

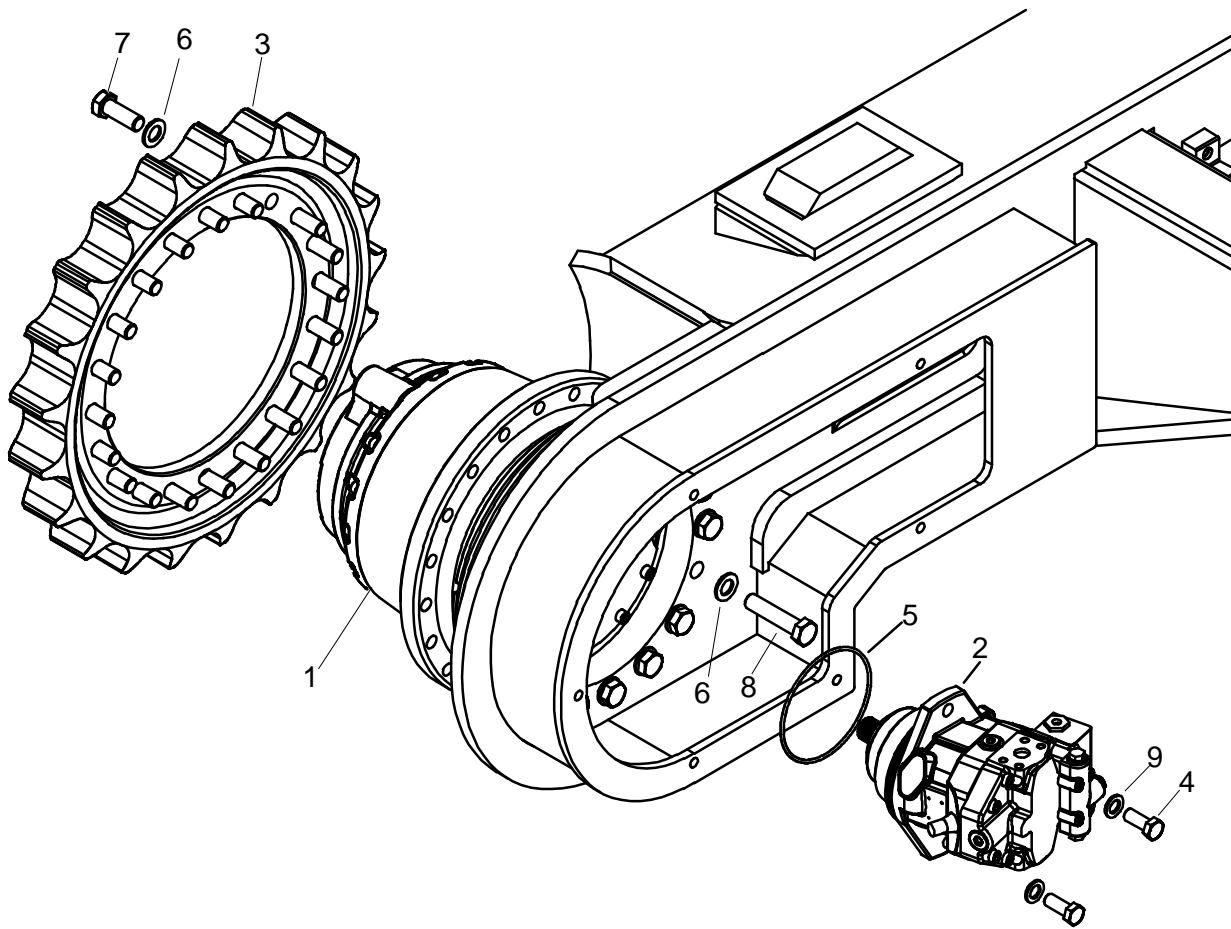
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FOOTNOTES:

NOTE:

REF: E10-2600-800

TRACK DRIVE ASSEMBLY HT300



TRACK DRIVE ASSEMBLY

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSV00-5702-001	1	FITTING	
2.	TSV00-6050-002	1	MOTOR	
3.	TSE10-5530-001	1	SPROCKET	
4.	TS41316035	2	BOLT	
5.	TSV00-5301-001	1	O-RING	
6.	TSU25014021	36	WASHER	
7.	TS42320055	20	BOLT	
8.	TS43120090	16	BOLT	
9.	TS25010017	2	WASHER	

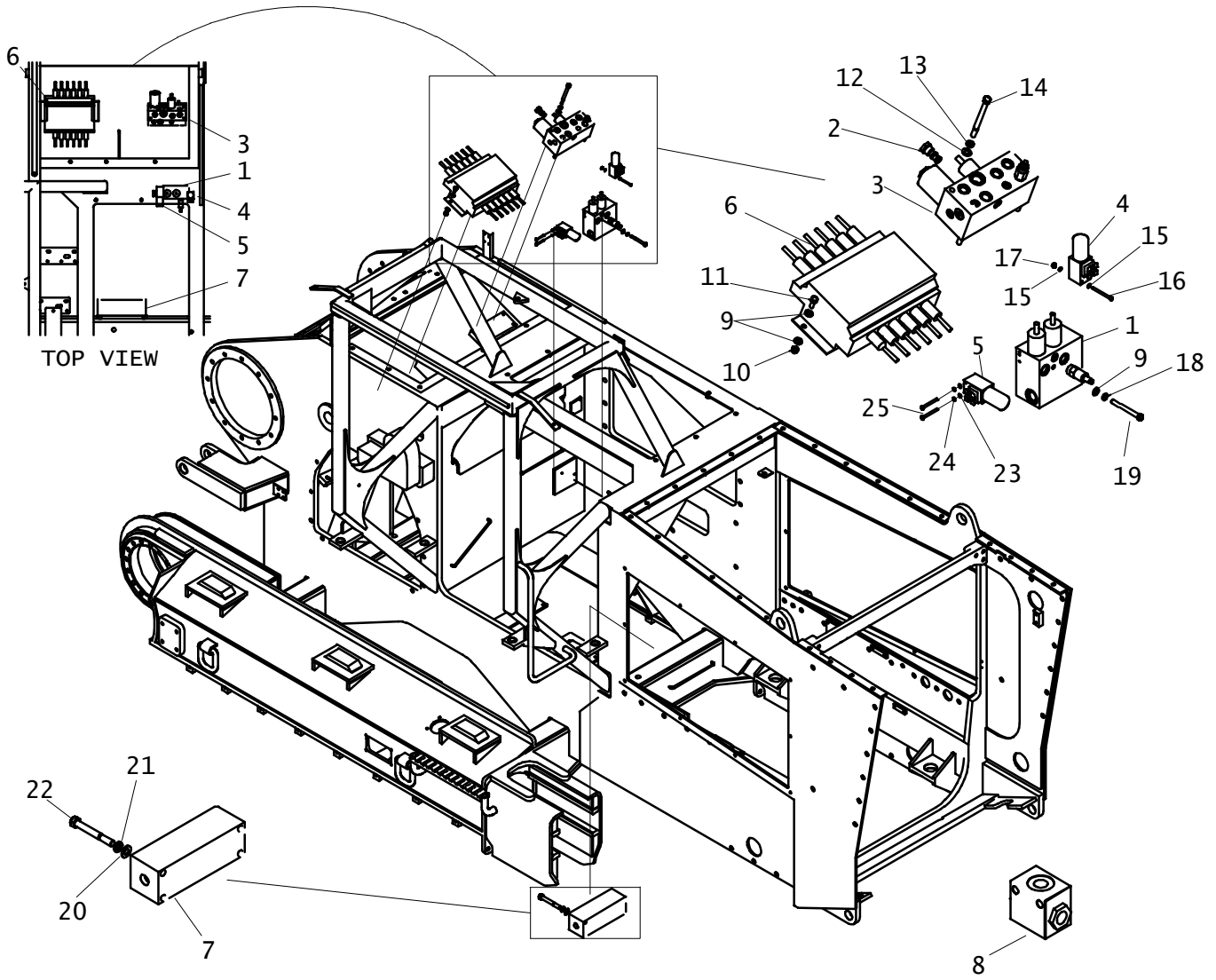
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FOOTNOTES:

NOTE:

REF: E10-260I-800

VALVE INSTALLATION HT300



VALVE INSTALLATION

HT300

REF PART NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSV00-6100-002	1	MANIFOLD	
2.	TSV00-6100-003	1	PLUG	
3.	TSV00-6100-004	1	MANIFOLD	
4.	TSV00-8603-003	1	PRESSURE SWITCH	
5.	TSV00-8603-002	1	PRESSURE SWITCH	
6.	TSV00-6100-005	1	VALVE	
7.	TSE10-7200-002	1	MANIFOLD	
8.	TSV00-6208-002	6	VALVE	
9.	106-390	10	WASHER (M10)	
10.	TSU26201010	4	LOCKNUT	
11.	105-245	4	SCREW (M10-1.50 x 25mm)	
12.	TSU25015011	4	WASHER	
13.	TSU25012011	4	WASHER	
14.	TSU40511155	4	BOLT	
15.	TS25010005	4	WASHER	
16.	TSU40505064	2	BOLT	
17.	TSU26201005	2	LOCKNUT	
18.	106-090	2	LOCKWASHER (M10)	
19.	TSU40111095	2	BOLT	
20.	TSU25010016	4	WASHER	
21.	TSU25012016	4	WASHER	
22.	TSU40116127	4	BOLT	
23.	TS25010005	2	WASHER	
24.	106-429	2	LOCK WASHER (M6)	
25.	TS40105055	2	BOLT	

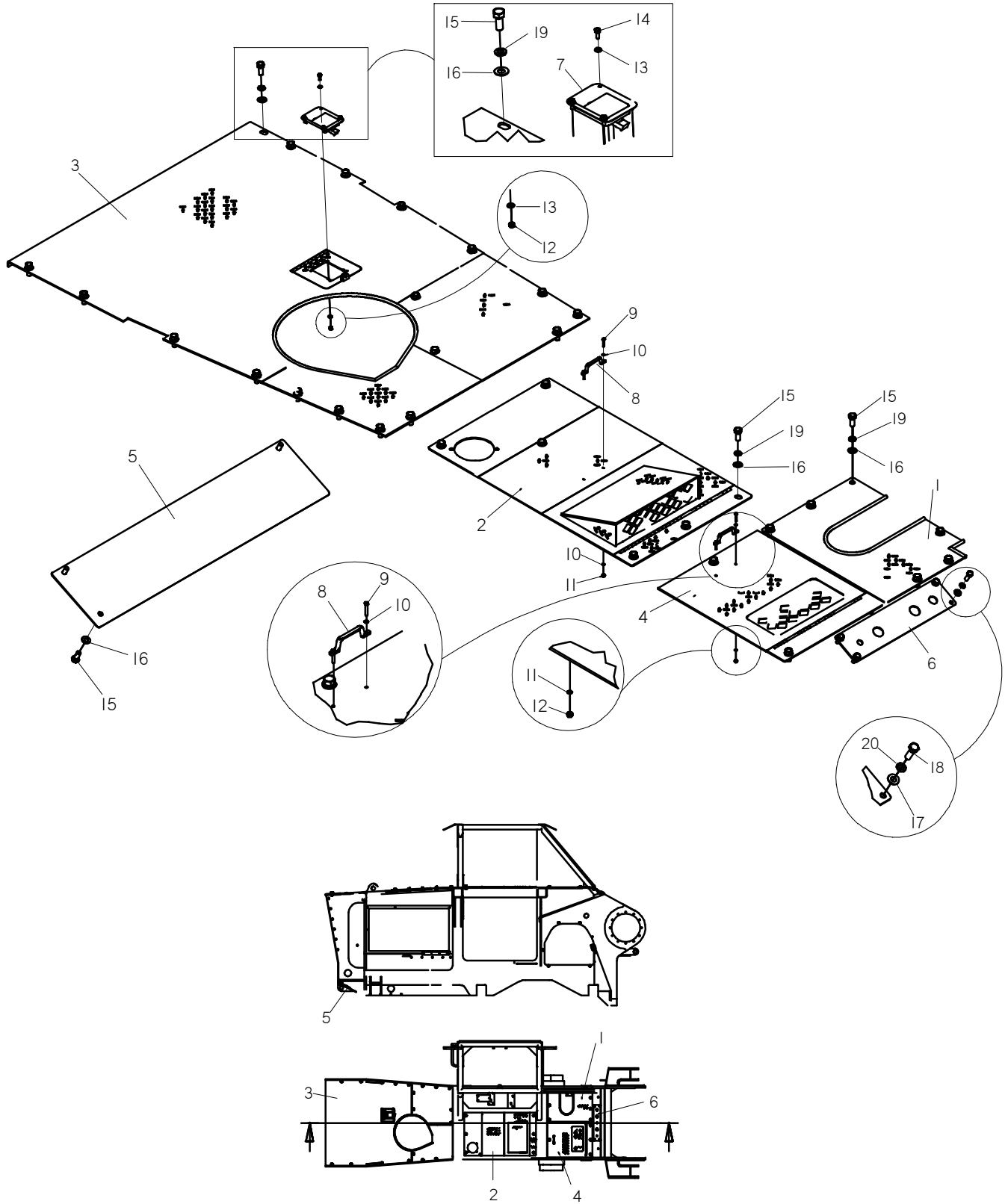
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FOOTNOTES:

NOTE:

REF. E10-6150-801

COVER INSTALLATION HT300



COVER INSTALLATION

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-1600-009	1	COVER	
2. TSE10-1600-016	1	DOOR	
3. TSE10-1600-011	1	COVER	
4. TSE10-1600-017	1	DOOR	
5. TSE10-1600-006	1	COVER	
6. TSE10-1600-007	1	PLATE	
7. TSV00-9040-005	1	HANDLE	
8. TSV00-9040-006	2	HANDLE	
9. TSU40505019	4	BOLT	
10. TS25010005	8	WASHER	
11. TSU26201005	4	LOCKNUT	
12. TSU26201006	4	LOCKNUT	
13. 106-388	8	WASHER (M6)	
14. TSU40106019	4	BOLT	
15. TSU40116038	52	BOLT	
16. TSU25010016	52	WASHER	
17. TS25010013	4	WASHER	
18. TSU40113038	4	BOLT	
19. TSU25012016	43	WASHER	
20. TS25012013	4	WASHER	

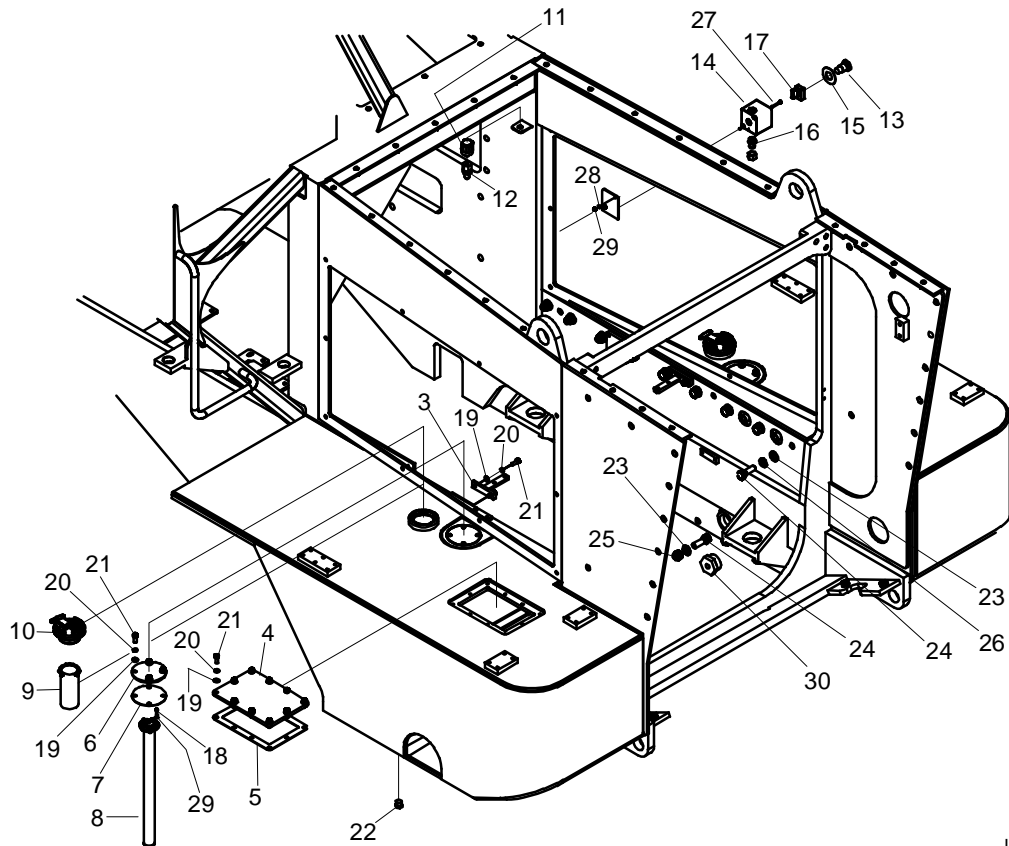
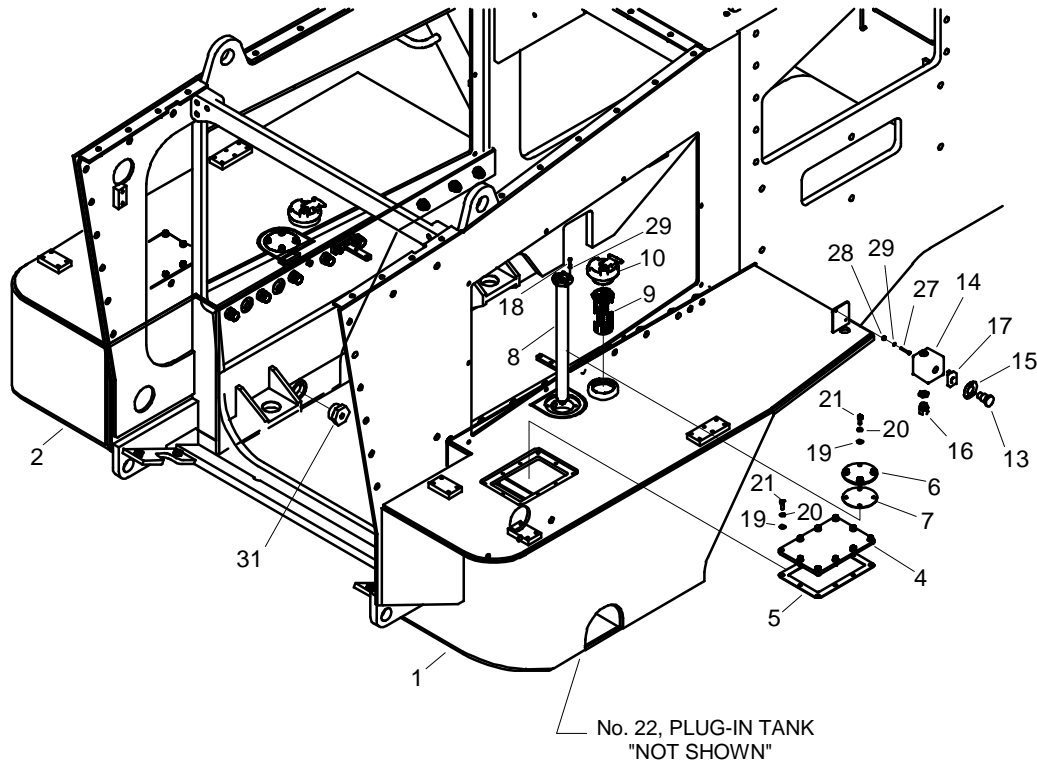
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FOOTNOTES:

NOTE:
REF: E10-1600-801

FUEL TANK INSTALLATION

HT300



FUEL TANK INSTALLATION

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TS4800-001	1	TANK	
2. TSE10-4800-002	1	TANK	
3. TSE10-4800-009	2	SUPPORT	
4. TSE10-4800-003	2	COVER	
5. TSE10-4800-006	2	SEAL	
6. TSE10-4800-007	2	COVER	
7. TSE10-4800-008	2	RUBBER	
8. TS09105025	2	FLOAT	
9. TSV00-4800-003	2	FILTER	
10. TSV00-4800-001	2	PLUG	
11. TSV00-6600-007	1	VENTING	
12. TS05903312	1	FITTING	
13. TS09103179	1	PUSH BUTTON	
14. TS09103180	1	BOX	
15. TS09100941	1	PLATE	
16. TS9103190	1	FITTING	
17. TS09105080	1	PUSH BUTTON BODY	
18. TSU40505019	10	BOLT	
19. 106-390	32	WASHER (M10)	
20. 106-090	33	LOCK WASHER (M10)	
21. 105-245	33	SCREW (M10-1.50 x 25mm)	
22. TS36400518	2	PLUG	
23. TSU25015019	40	WASHER	
24. TSU42119057	26	BOLT	
25. TSU26201019	14	LOCKNUT	
26. TSU25012019	12	WASHER	
27. TSU40505038	2	BOLT	
28. TSU26201005	2	LOCKNUT	
29. TS25010005	12	WASHER	
30. TSE10-4800-015	2	PLUG	

NOT SHOWN:

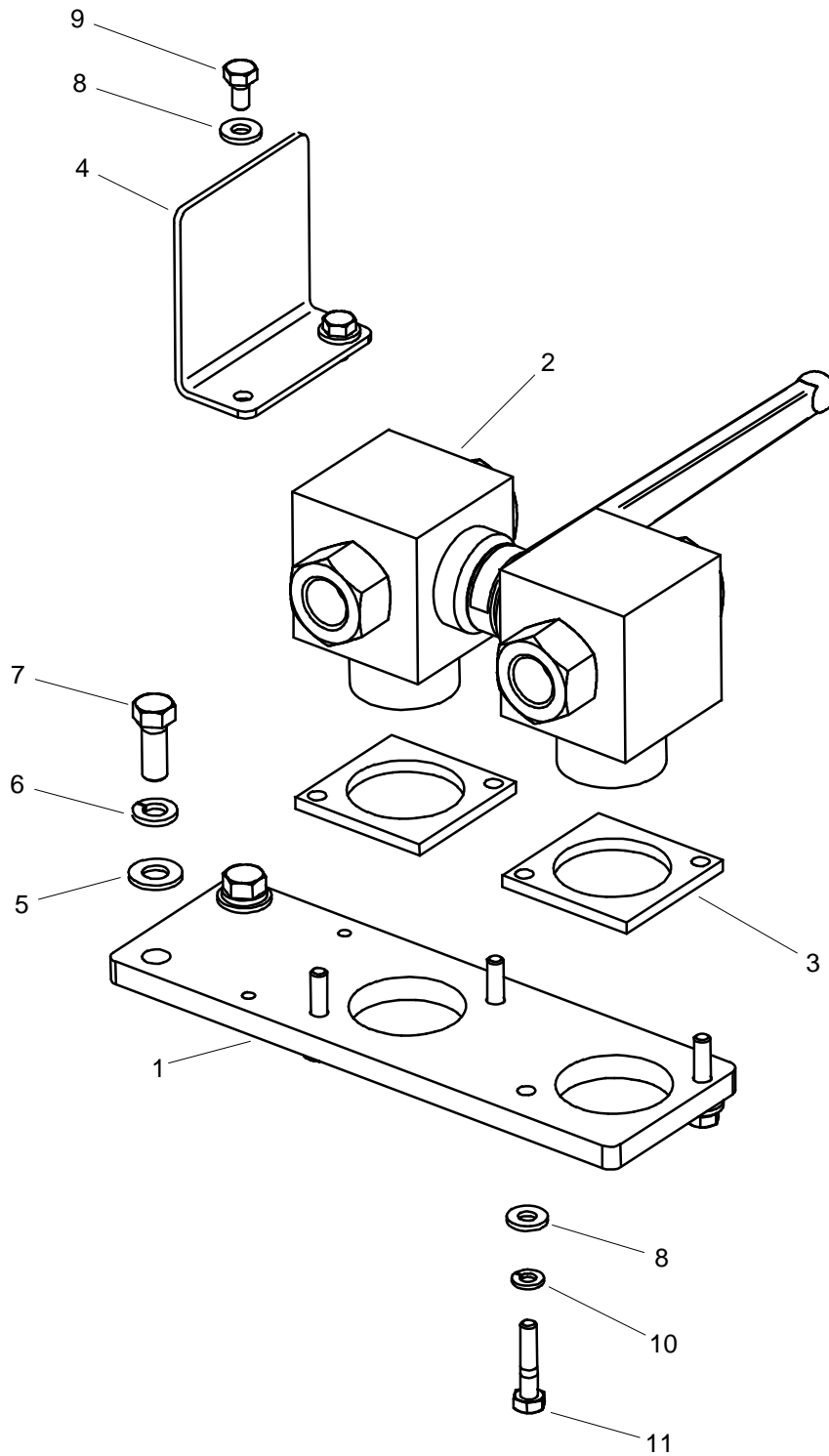
TSE10-4800-802 1 SCHEME

FOOTNOTES:

NOTE:

REF: E10-4800-800

BALL VALVE ASSEMBLY HT300



BALL VALVE ASSEMBLY

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-4800-012	1	SUPPORT	
2.	TSE10-4800-013	2	COCK	
3.	TSE10-4800-014	2	SPACER	
4.	TSE10-9800-003	1	PLATE	
5.	106-390	2	LOCK WASHER (M10)	
6.	106-090	2	WASHER (M10)	
7.	105-245	2	SCREW (M10-1.50 x 25mm)	
8.	106-388	6	WASHER (M6)	
9.	TSU40106013	2	BOLT	
10.	TS25012006	4	WASHER	
11.	TSU40106032	4	BOLT	

NOT SHOWN:

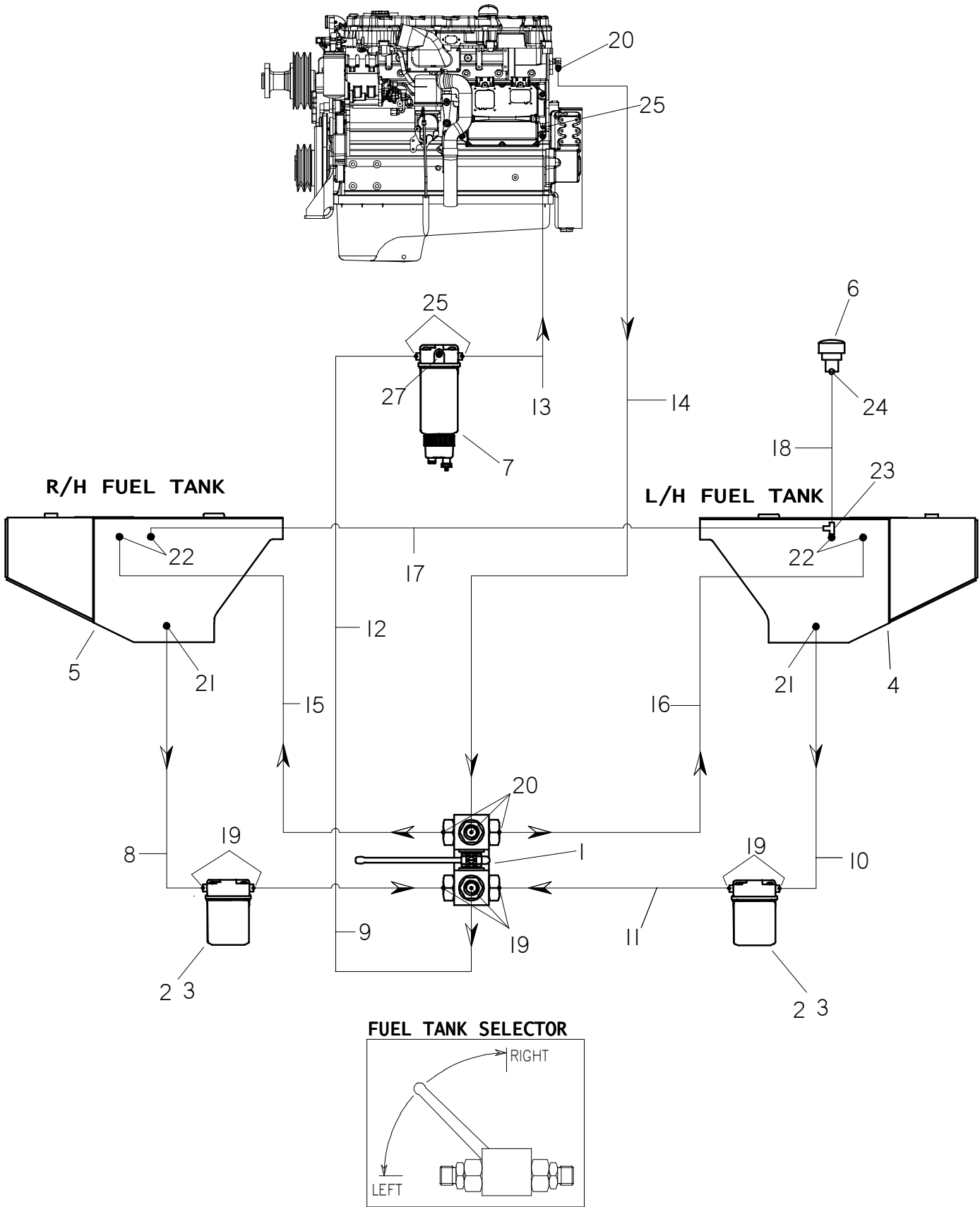
FOOTNOTES:

NOTE:

REF. E10-4800-801

FUEL SYSTEM INSTALLATION

HT300



FUEL SYSTEM INSTALLATION

HT300

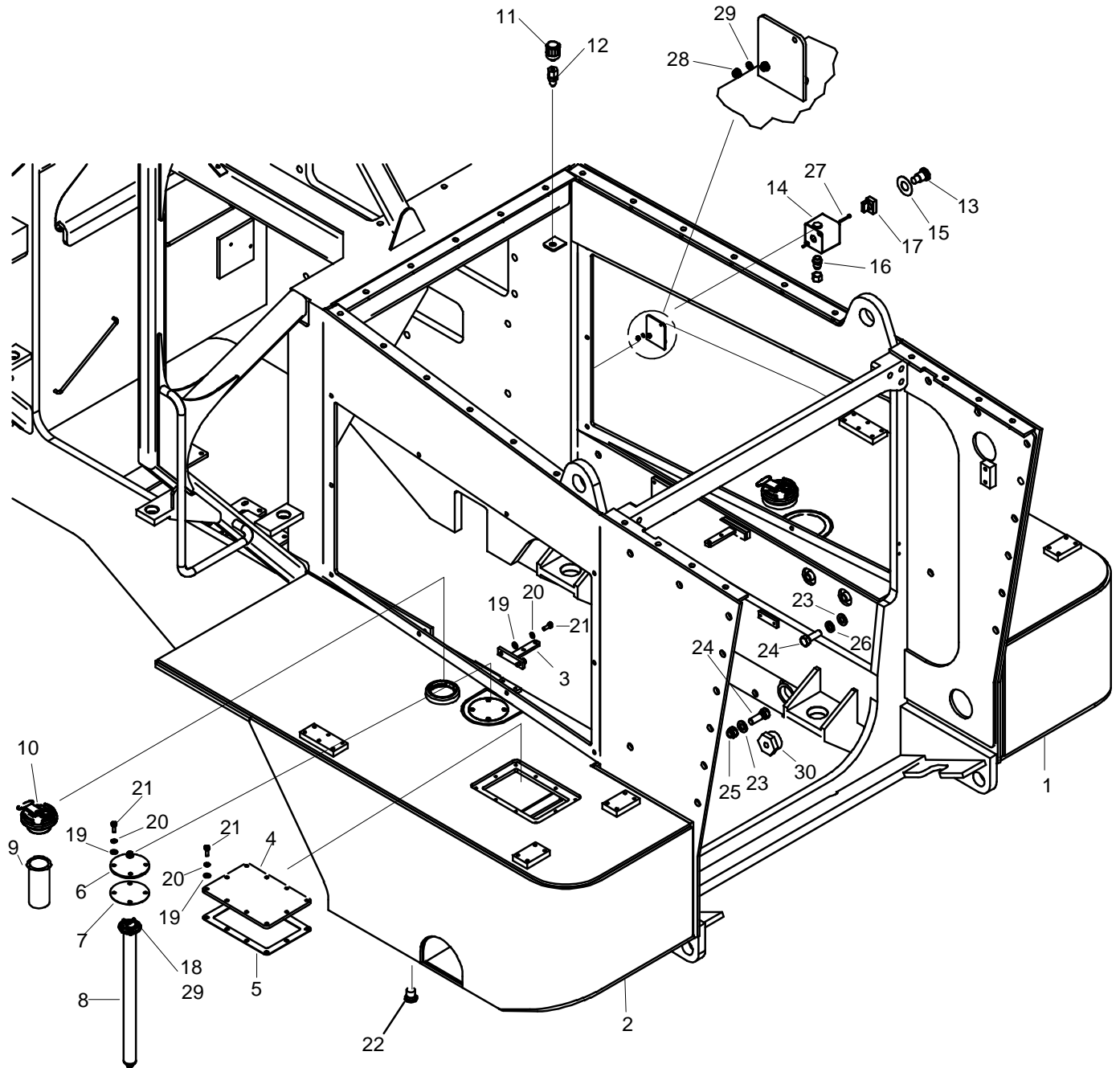
REF PART NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSV00-4500-008	1	FUEL BALL VAVLE ASS'Y	
2.	TSV00-4500-007	2	FILTER FLA 100/6	
3.	500-1790	2	FUEL FILTER ELEMENT	TSV00-4500-008
4.	TSE10-4800-010	-	L/H FUEL TANK	
5.	TSE10-4800-011	-	R/H FUEL TANK	
6.	TSV00-6600-007	-	BREATHER 1/4"	
7.	TSV00-4510-006	-	FUEL/WATER SEPARATOR	
8.	TS05202504	1	TUBE R1 16X700 K 5/8"JIC-A 5/8"JIC	
9.	TS05202484	1	TUBE R1 16X900 K 5/8"JIC-A 5/8"JIC	
10.	TS05202504	1	TUBE R1 16X700 K 5/8"JIC-A 5/8"JIC	
11.	TS05203069	1	TUBE R1 16X2100 K 5/8"JIC-A 5/8"JIC	
12.	TS05202485	1	TUBE R1 16X1900 K 5/8"JIC-A 5/8"JIC	
13.	TS05203069	1	TUBE R1 16X500 K 5/8"JIC-A 5/8"JIC	
14.	TS05203031	1	TUBE R1 13X2600 A 1/2"JIC-A 1/2"JIC	
15.	TS05202920	1	TUBE R1 13X600 A 1/2"JIC-A 1/2"JIC	
16.	TS05203053	1	TUBE R1 13X1400 A 1/2"JIC-A 1/2"JIC	
17.	TS05203053	1	TUBE R1 13X1400 A 1/2"JIC-A 1/2"JIC	
18.	TS05203058	1	TUBE R1 13X2300 A 1/2"JIC-A 1/2"JIC	
19.	TS05700218	7	NIPPLE (3/4" BSPP-5/8" JIC)	
20.	TS05802103	3	NIPPLE (3/4" BSPP-1/2" JIC)	
21.	TS05801025	2	NIPPLE (1/2" NPT - 5/8" JIC)	
22.	TS05703391	4	NIPPLE (1/2" NPT - 1/2" JIC)	
23.	TS01603329	1	"T" FITTING (1/2" JIC M-M-F)	
24.	TS05903312	1	ADAPTER (1/2" JIC - 1/4" NPT FM BULKHEAD)	
25.	TS05703502	3	NIPPLE (3/8" ORB-5/8" JIC)	
26.	TS05703398	1	NIPPLE (3/8" ORB-1/2" JIC)	
27.	TS02203316	5	EXAGON PLUG (3/8" ORB)	

NOT SHOWN:

FOOTNOTES:

NOTE:
REF NOTE: 4800-802

FUEL TANK ASSEMBLY HT300



FUEL TANK ASSEMBLY

HT300

REF PART NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-4800-010	1	TANK	
2.	TSE10-4800-011	1	TANK	
3.	TSE10-4800-009	2	SUPPORT	
4.	TSE10-4800-003	2	COVER	
5.	TSE10-4800-006	2	SEAL	
6.	TSE10-4800-007	1	COVER	
7.	TSE10-4800-008	1	RUBBER	
8.	TS09105025	2	FLOAT	
9.	TSV00-4800-003	1	FILTER	
10.	TSV00-4800-001	1	PLUG	
11.	TSV00-6600-007	1	VENTING	
12.	TS05903312	1	FITTING	
13.	TS9103179	1	PUSH BUTTON	
14.	TS9103180	1	BOX	
15.	TS9100941	1	PLATE	
16.	TS9103190	1	FITTING	
17.	TS09105080	1	PUSH BUTTON BODY	
18.	TSU40505019	10	BOLT	
19.	106-390	32	WASHER (M10)	
20.	106-090	33	LOCK WASHER (M10)	
21.	105-245	33	SCREW (M10-1.50 x 25mm)	
22.	TS36400518	2	PLUG	
23.	TSU25015019	40	WASHER	
24.	TSU42119057	26	BOLT	
25.	TSU26201019	14	LOCKNUT	
26.	TS25012019	12	WASHER	
27.	TSU40505038	2	BOLT	
28.	TSU26201005	2	LOCKNUT	
29.	TS25010005	12	WASHER	
30.	TSE10-4800-015	2	PLUG	

NOT SHOWN:

TSE10-4800-802 1 SCHEME

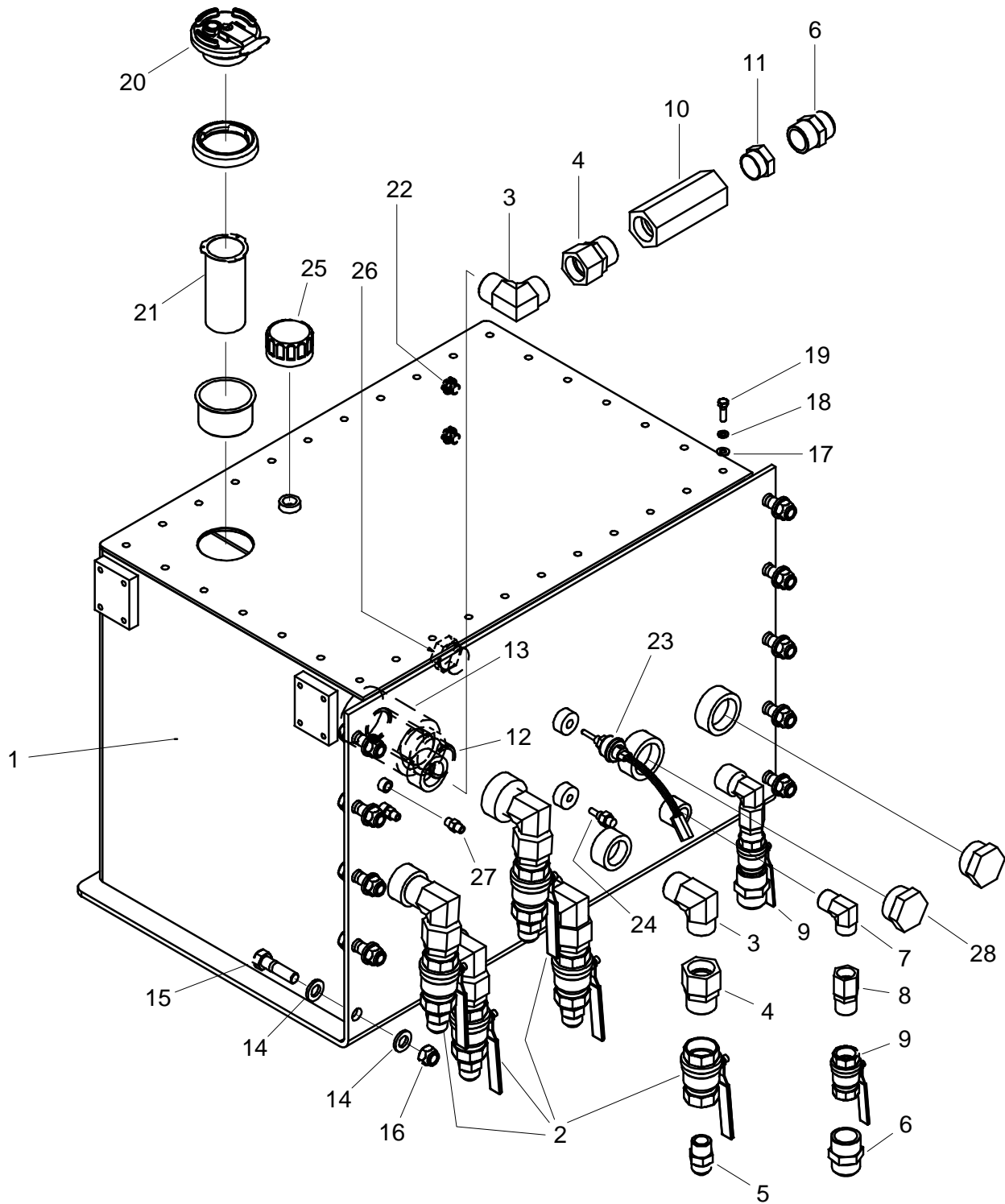
FOOTNOTES:

NOTE:

REF. E10-4800-803

OIL TANK INSTALLATION

HT300



OIL TANK INSTALLATION

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-4850-003	1	TANK	
2. TSV00-6130-002	5	COCK	
3. TS01603313	5	FITTING	
4. TS05903307	6	FITTING	
5. TS05703393	2	NIPPLE	
6. TS05703394	3	NIPPLE	
7. TS0160311	2	FITTING	
8. TS05704050	2	FITTING	
9. TSV00-6130-001	2	COCK	
10. TSV00-6200-003	1	VALVE	
11. TS06500526	5	FITTING	
12. TSE10-4850-002	1	SLEEVE	
13. TSV00-6600-005	1	DIFUSSER	
14. TSU25015019	20	WASHER	
15. TSU42119065	10	BOLT	
16. TSU26201019	10	LOCKNUT	
17. 106-390	32	LOCKWASHER (M10)	
18. 106-090	32	WASHER (M10)	
19. TSU40110032	32	BOLT	
20. TSV00-4800-001	1	PLUG	
21. TSV00-4800-003	1	FILTER	
22. TSV00-6310-001	2	PLUG	
23. TST00-8600-087	1	SENSOR	
24. TS09102219	1	TEMP. SENDER	
25. TSV00-6600-006	1	VENTING	
26. TS02203113	1	PLUG	
27. TS05703388	2	NIPPLE	
28. TS02203117	2	PLUG	

NOT SHOWN:

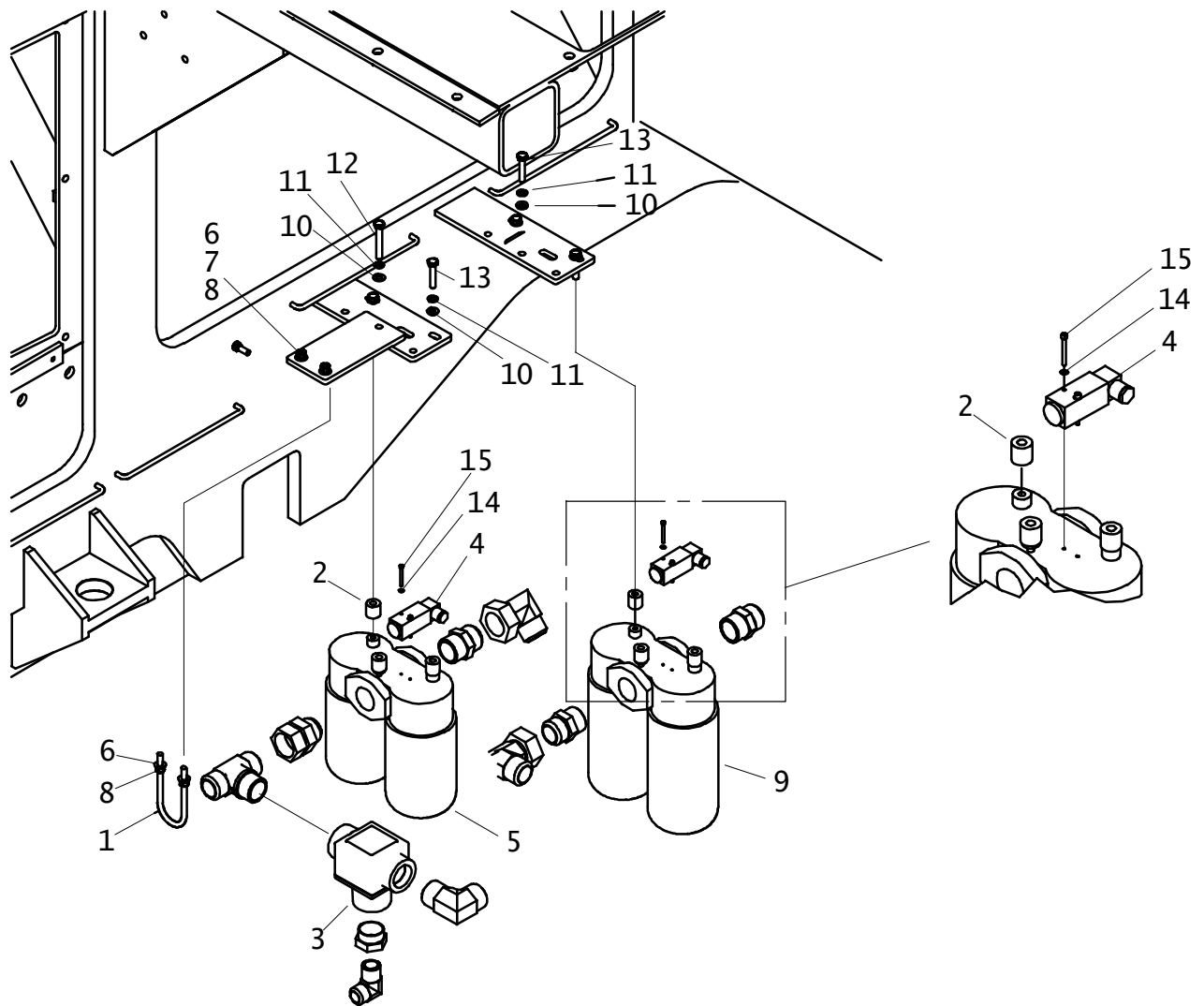
FOOTNOTES:

NOTE:

REF. # E10-4850-801

OIL FILTER INSTALLATION

HT300



OIL FILTER INSTALLATION

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-6600-001	1	CLAMP	
2. TSE10-6600-002	6	SPACER	
3. TSV00-6208-001	1	VALVE	
4. TSV00-8603-001	2	CLOGGING SWITCH	
5. TSV00-6600-003	1	FILTER	
6. 106-390	4	LOCK WASHER (M10)	
7. 106-090	4	WASHER (M10)	
8. 106-175	4	NUT (M10-1.50)	
9. TSV00-6600-001	1	FILTER	
10. TS25110010	6	WASHER	
11. TS25112010	6	WASHER	
12. TS41310070	1	BOLT	
13. TS41310060	5	BOLT	
14. TS25110004	4	WASHER	
15. TS41304040	4	BOLT	

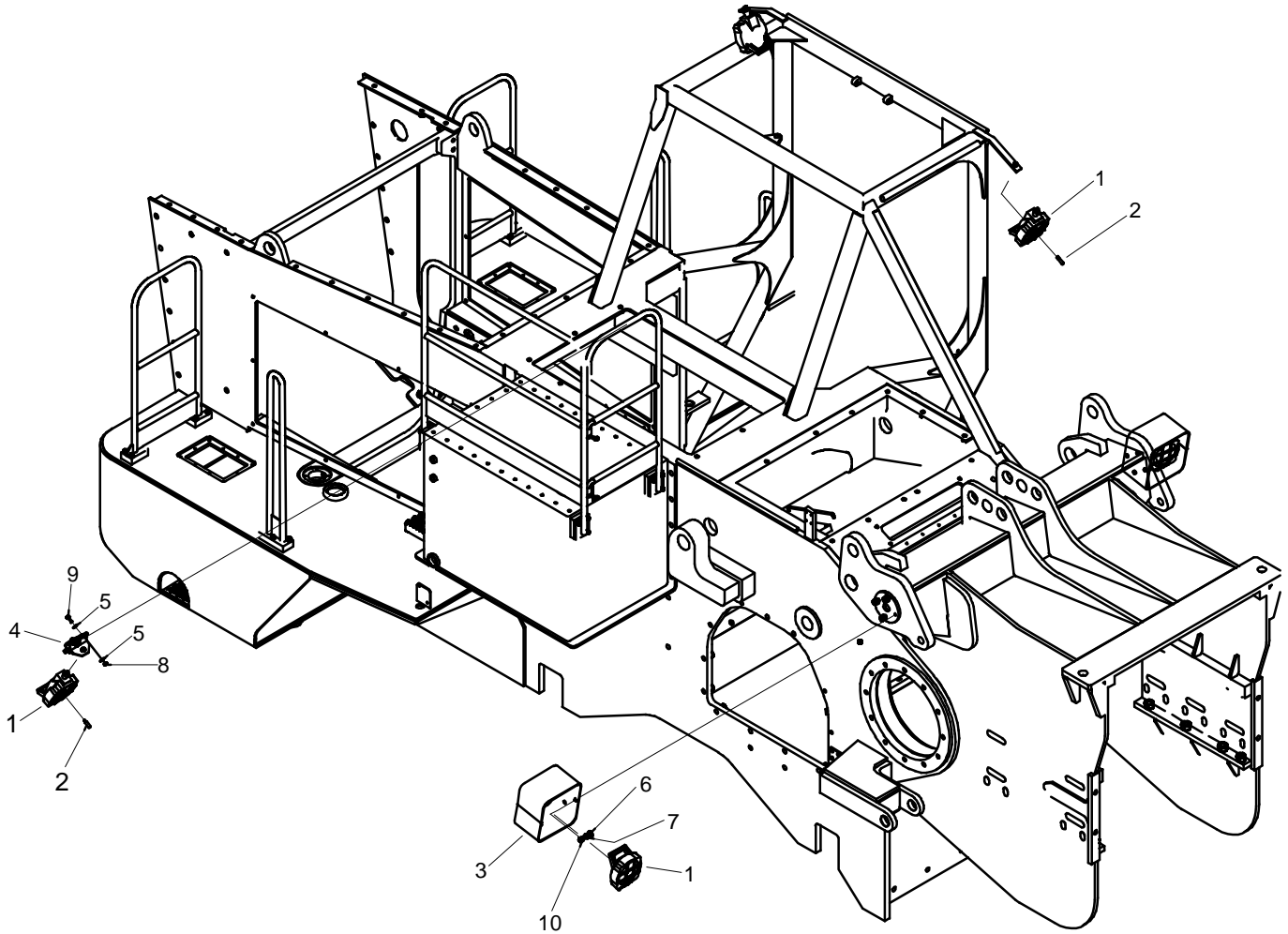
NOT SHOWN:

500-1792	- FILTER	TSV00-6600-002
500-1793	- FILTER	TSV00-6600-004

FOOTNOTES:

NOTE:
REF. E10-6600-800

WORKING LIGHT KIT HT300



WORKING LIGHT KIT

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TS09101445	5	LAMP	
2.	TS09102156	5	LAMP	
3.	TSE10-2210-005	2	LAMP	
4.	E10-2210-006	1	SUPPORT	
5.	106-389	8	WASHER (M8)	
6.	TS25010013	8	WASHER	
7.	TS25012013	8	WASHER	
8.	TSU26201008	4	LOCKNUT	
9.	TSU40108025	4	BOLT	
10.	TSU40113019	8	BOLT	

NOT SHOWN:

TSE10-2210-803 1 ELECTRIC SCHEMATIC

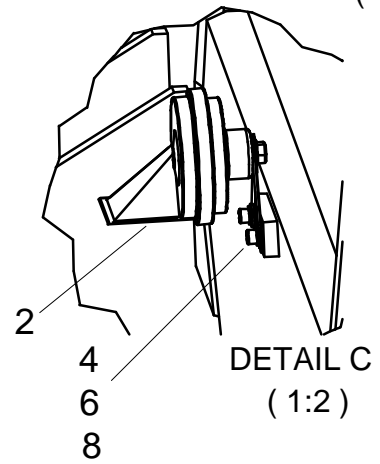
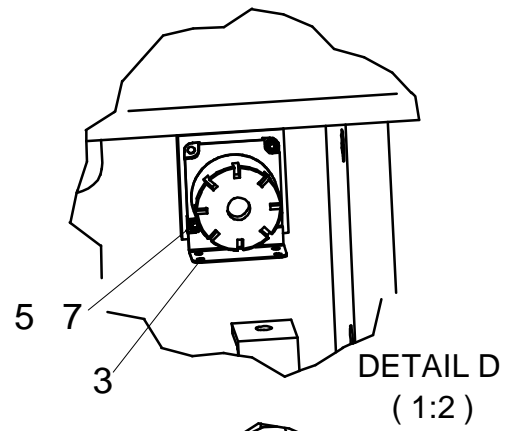
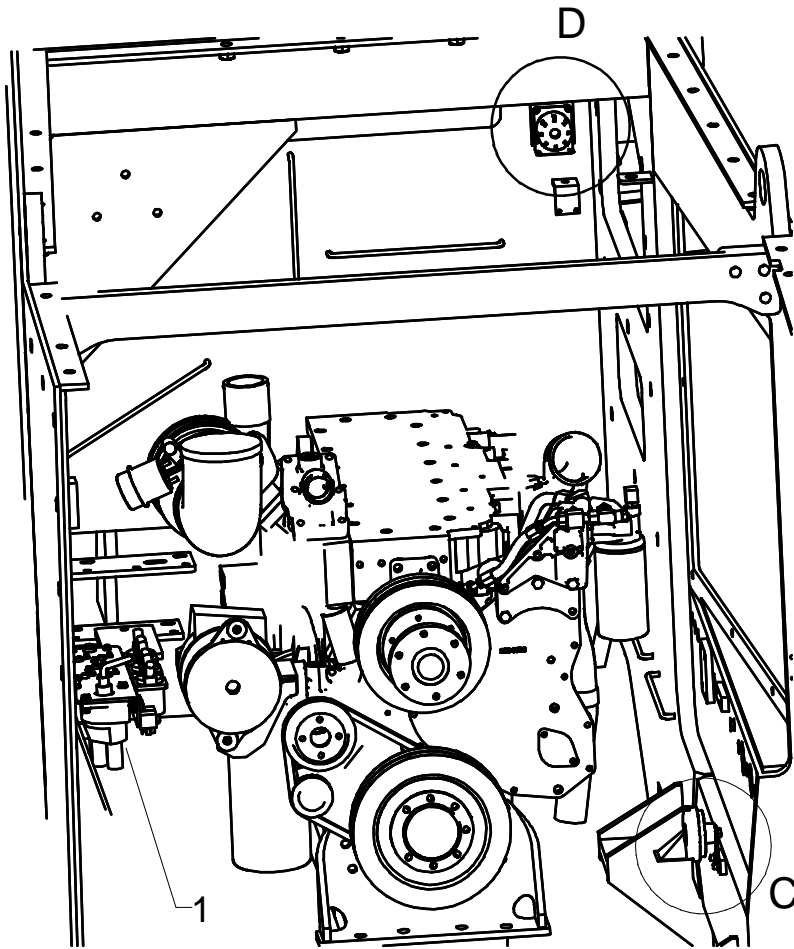
FOOTNOTES:

NOTE:

REF: E10-2210-802

ELECTRICAL PARTS ASSEMBLY

HT300



ELECTRICAL PARTS ASSEMBLY

HT300

REF PART				REMARKS
NO.	NUMBER	QTY	DESCRIPTION	
1.	TSE10-2250-800	1	BATTERY SWITCH	
2.	TS09105040	1	HORN	
3.	TS09105039	1	HORN	
4.	TSU40506013	2	BOLT	
5.	TSU40505013	2	BOLT	
6.	TS25012006	2	WASHER	
7.	106-429	2	WASHER (M6)	
8.	106-388	2	WASHER (M8)	

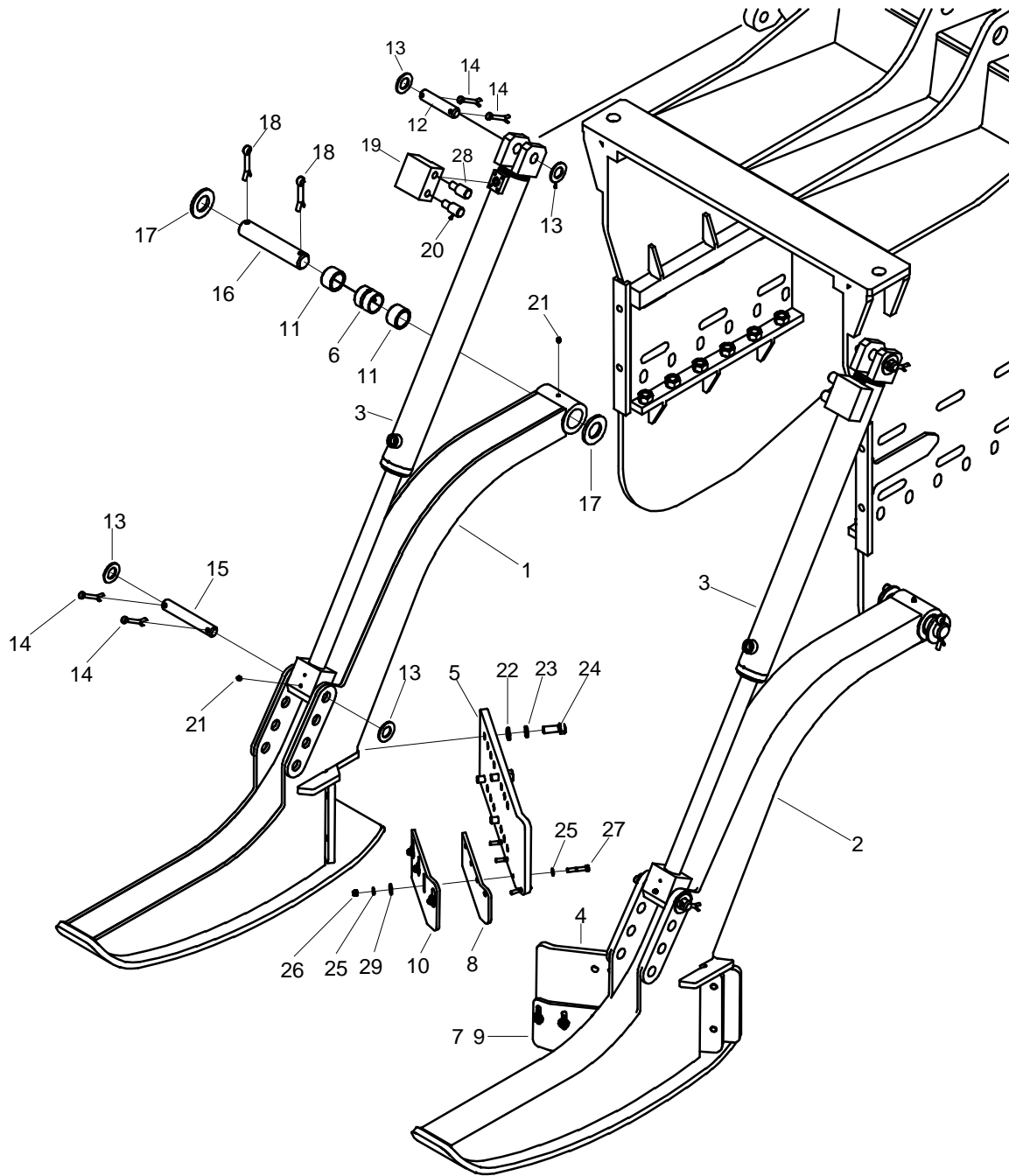
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TSE10-2220-808 1 ASSEMBLY

FOOTNOTES:

NOTE:
REF: E10-2260-800

DIGGING COMPONENTS

STABILIZER ASSEMBLY HT300



STABILIZER ASSEMBLY

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TS2708-001	1	STABILIZER	
2. TS2708-002	1	STABILIZER	
3. TSV00-6500-003	2	CYLINDER	
4. TS2708-003	1	PLATE	
5. TSE10-2708-004	1	PLATE	
6. TSE10-2708-005	2	SPACER	
7. TSE10-2708-006	1	RUBBER	
8. TSE10-2708-006	1	RUBBER	
9. TSE10-2708-007	1	FLAT BAR	
10. TSE10-2708-008	1	FLAT BAR	
11. TSE10-5203-003	4	BUSHING	
12. TSP50-0032-145	2	PIN	
13. TSU25010032	8	WASHER	
14. TS25410080	8	COTTER PIN	
15. TSP50-0032-210	2	PIN	
16. TSP50-0050-255	2	PIN	
17. TS25010050	4	WASHER	
18. TS25412080	4	COTTER PIN	
19. TSV00-7200-001	2	MANIFOLD	
20. TSV00-6200-001	2	VALVE	
21. TS36400500	4	GREASE FITTING	
22. TSU25015019	8	WASHER	
23. TS25012019	8	WASHER	
24. TSU421109051	8	BOLT	
25. 106-390	16	LOCK WASHER (M8)	
26. TSU26201010	8	LOCKNUT	
27. TSU40110057	8	BOLT	
28. TSV00-6200-002	2	VALVE	
29. TS25016066	8	WASHER	

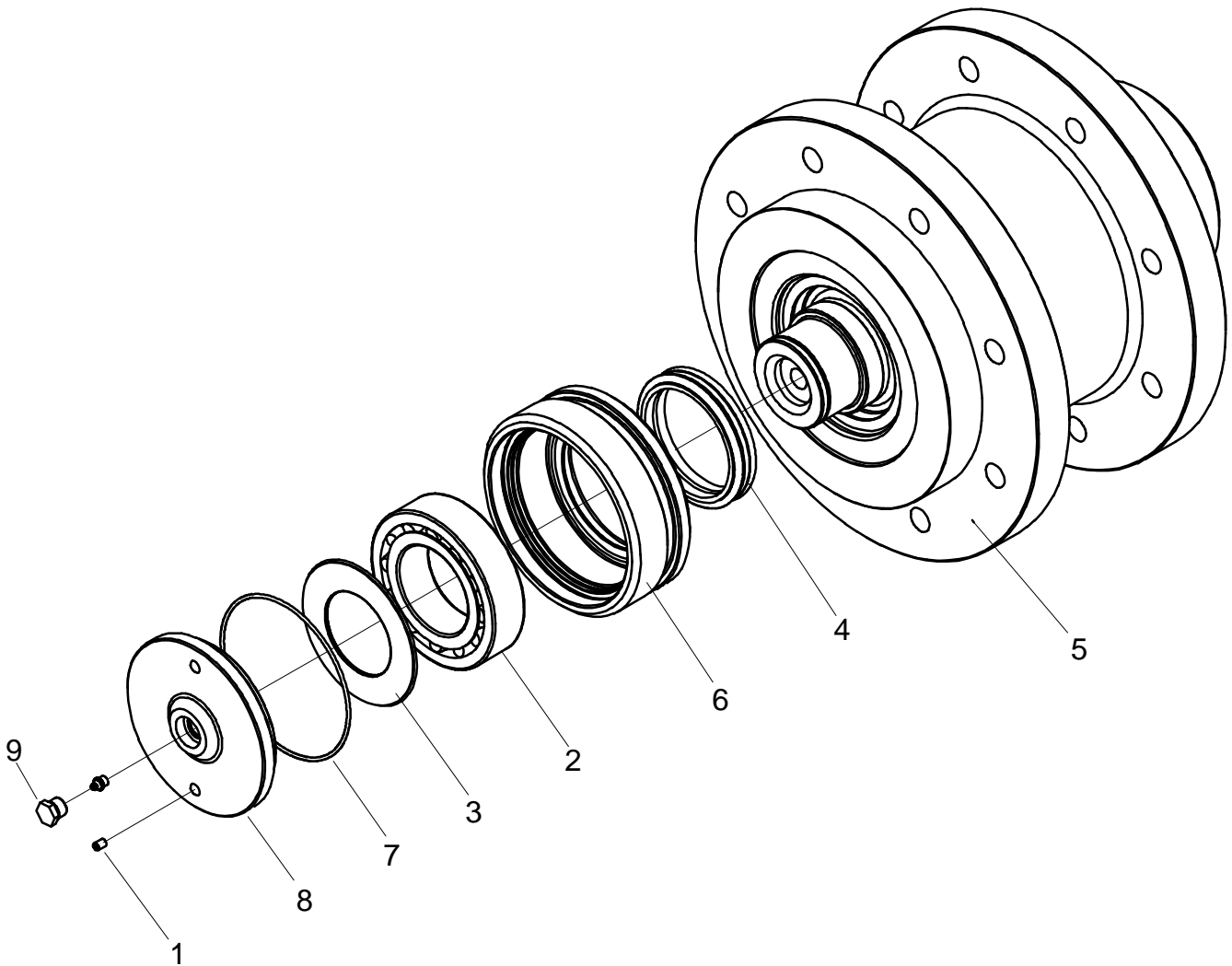
NOT SHOWN:

FOOTNOTES:

NOTE:

REF: E10-2708-800

DOUBLE TAIL WHEEL SHAFT HT300



DOUBLE TAIL WHEEL SHAFT HT300

REF PART NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TS44908012	2	DOWEL	
2.	TSV00-5101-007	2	BEARING	
3.	TSV00-9010-001	2	SNAP RING	
4.	TSV00-5300-002	2	SEAL	
5.	TSE10-2410-004	1	HUB	
6.	TSE10-2410-002	2	SUPPORT	
7.	TSV00-5301-010	2	O-RING	
8.	TSE10-2710-010	2	COVER	
9.	TS02203310	2	PLUG	

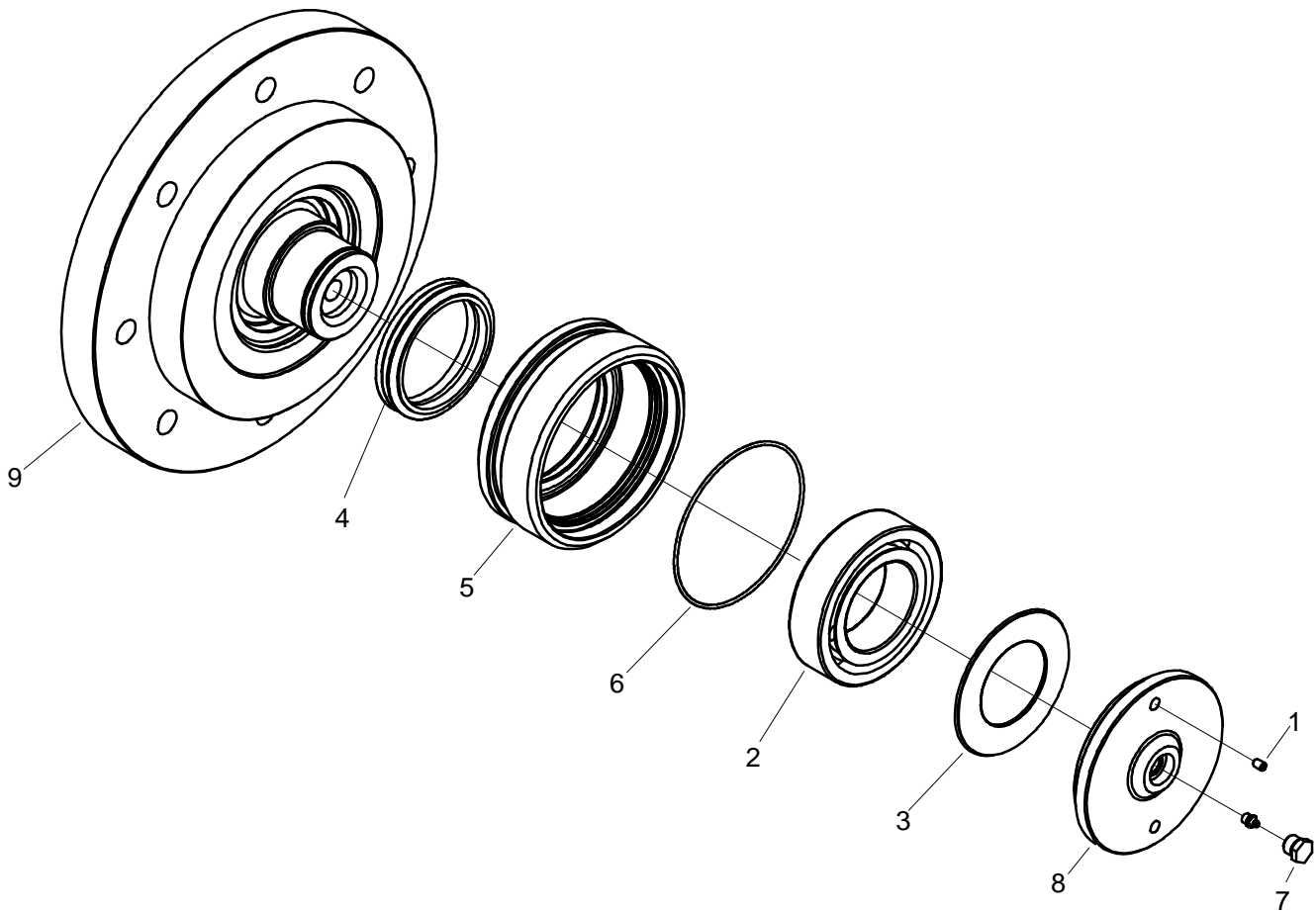
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FOOTNOTES:

NOTE:

REF: E10-2710-806

SINGLE TAIL WHEEL SHAFT HT300



SINGLE TAIL WHEEL SHAFT

HT300

REF PART				REMARKS
NO.	NUMBER	QTY	DESCRIPTION	
1.	TS44908012	2	DOWEL	
2.	TSV00-5101-007	2	BEARING	
3.	TSV00-9010-001	2	SNAP RING	
4.	TSV00-5300-002	2	SEAL	
5.	TSE10-2710-002	2	SUPPORT	
6.	TSV00-5301-010	2	O-RING	
7.	TS02203310	2	PLUG	
8.	TSE10-2710-010	2	COVER	
9.	TSE10-2710-009	1	HUB	

NOT SHOWN:

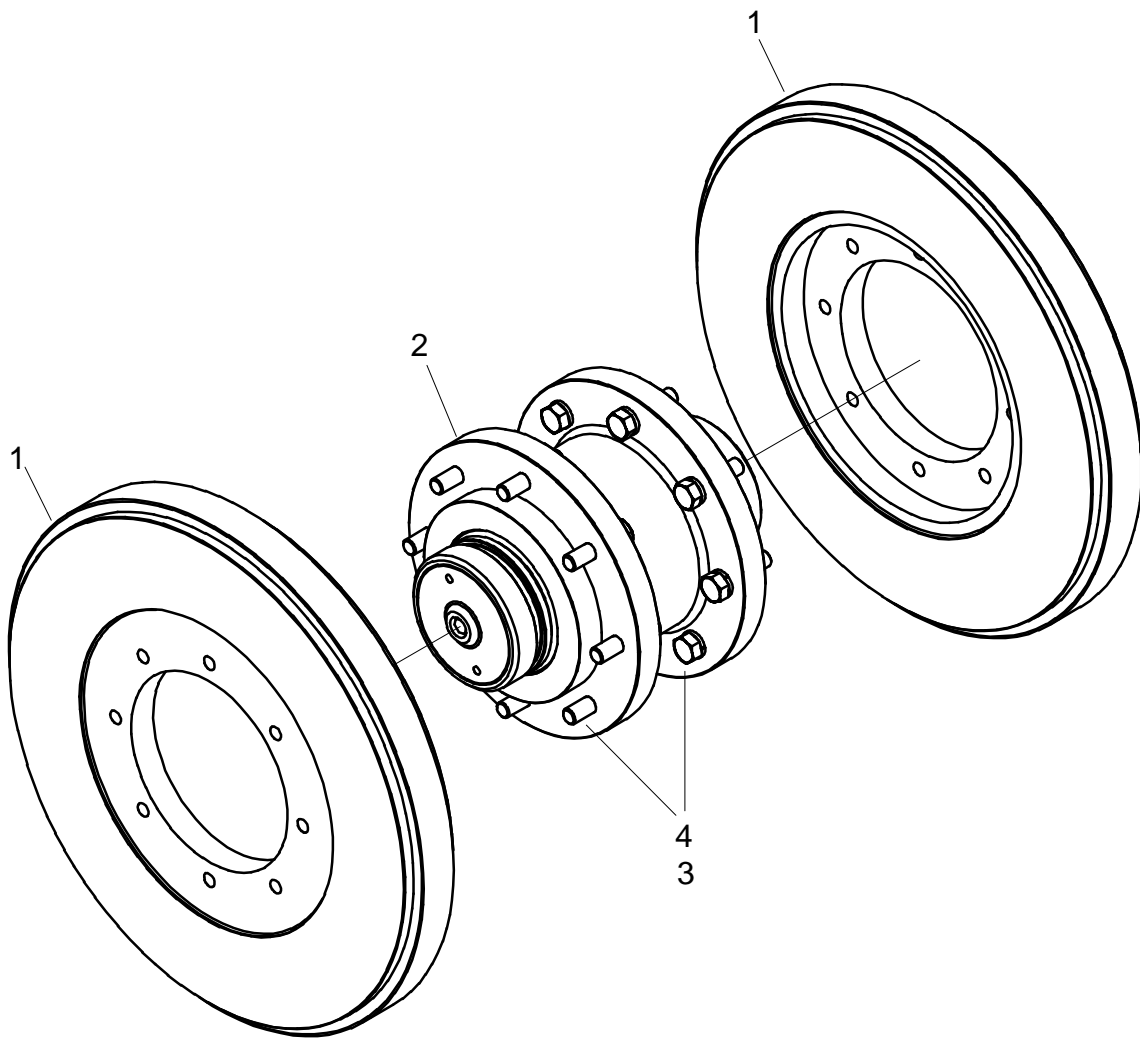
FOOTNOTES:

NOTE:

REF: E10-2710-807

DOUBLE TAIL WHEEL ASSEMBLY

HT300



DOUBLE TAIL WHEEL ASSEMBLY

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-2710-001	2	RING	
2.	TSE10-2710-806	1	TAILWHEEL HUB ASSEMBLY	
3.	TAU42125095	16	BOLT	
4.	TS25012025	16	WASHER	

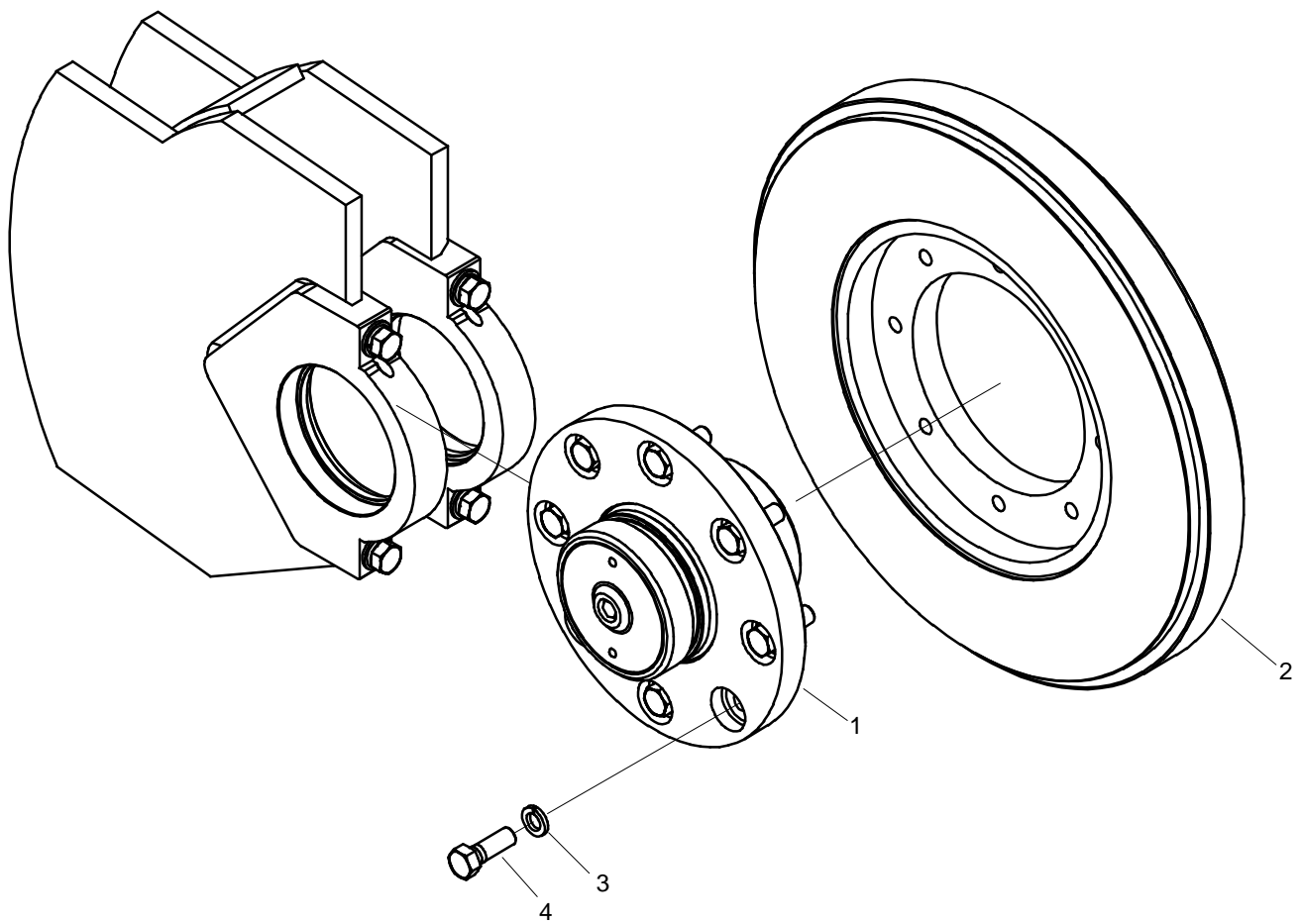
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FOOTNOTES:

NOTE:

REF: E10-2710-809

SINGLE TAIL WHEEL ASSEMBLY HT300



SINGLE TAIL WHEEL ASSEMBLY

HT300

REF PART					
NO.	NUMBER	QTY	DESCRIPTION		REMARKS
1.	TSE10-2710-807	1	TAILWHEEL HUB ASSEMBLY		
2.	TSE10-2710-001	1	RING		
3.	TS2501025	8	WASHER		
4.	TSU42125076	8	BOLT		

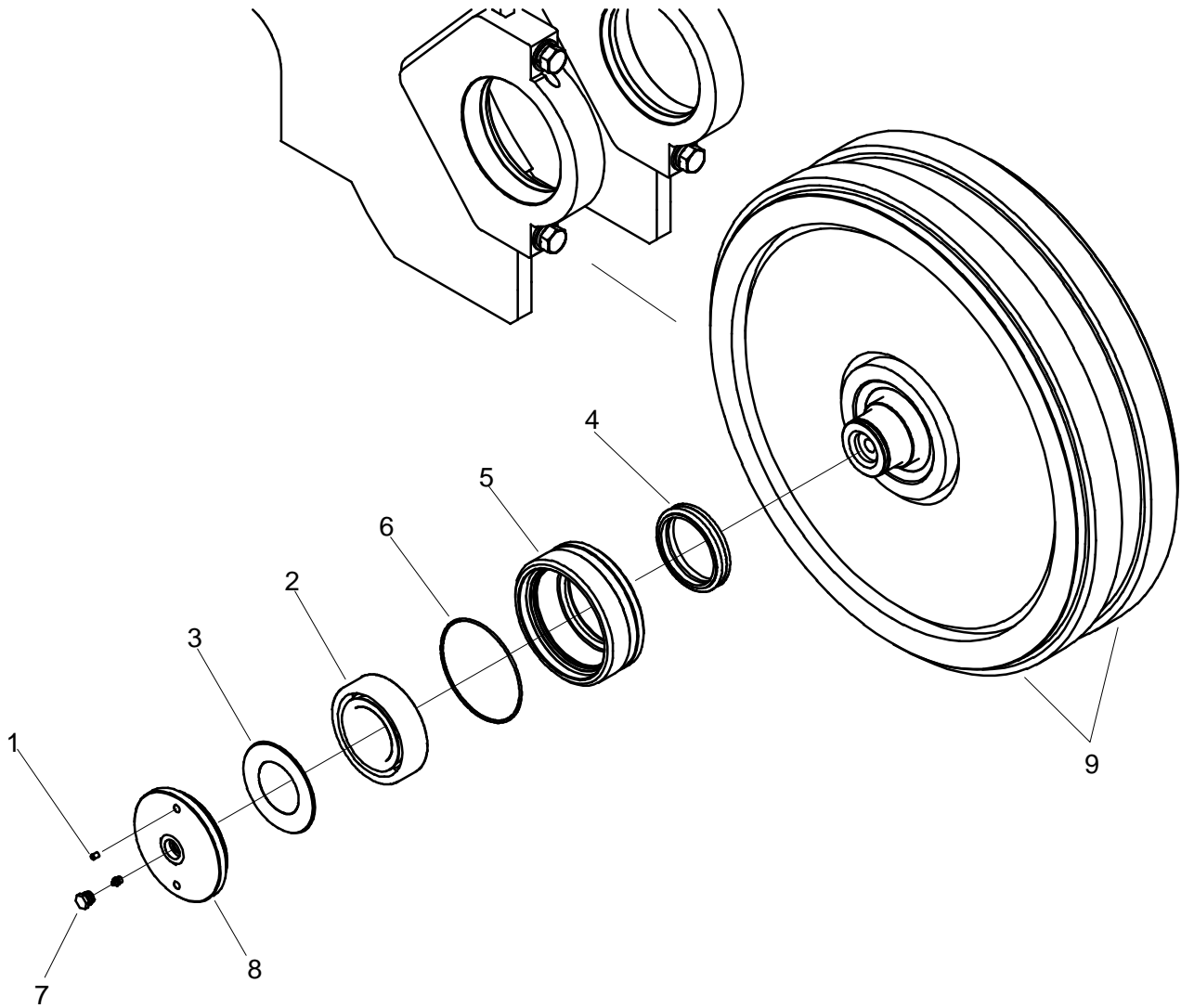
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FOOTNOTES:

NOTE:

REF: E10-2710-810

DOUBLE TAIL WHEEL ASSEMBLY HT300



DOUBLE TAIL WHEEL ASSEMBLY

HT300

REF PART					
NO.	NUMBER	QTY	DESCRIPTION		REMARKS
1.	TS44908012	2	DOWEL		
2.	TSV00-5101-007	2	BEARING		
3.	TSV00-9010-001	2	SNAP RING		
4.	TSV00-5300-002	2	SEAL		
5.	TSE10-2710-002	2	SUPPORT		
6.	TSV00-5301-010	2	O-RING		
7.	TS02203310	2	PLUG		
8.	TSE10-2710-010	2	COVER		
9.	TSE10-2710-011	1	WHEEL		
	TSE10-2710-808	1	WHEEL		

NOT SHOWN:

FOOTNOTES:

NOTE:

REF: E10-2710-811

SINGLE BOOM 6' ASSEMBLY

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-2711-022	4	PULLER	
2. TSE10-2711-064	1	PLATE	
3. TSE10-2711-071	1	BOOM	
4. TSE10-2713-006	12	WASHER	
5. TSV00-2603-002	1	ROLLER	
6. TSU26201016	4	LOCKNUT	
7. TSU25010016	8	WASHER	
8. TSU42116152	4	BOLT	
9. 106-144	6	WASHER (1")	
10. TSU26203125	12	NUT	
11. TSU26200125	6	NUT	
12. TSU42125114	12	BOLT	
13. TSU40725076	6	BOLT	
14. TSU26200532	4	NUT	
15. TSU25015025	4	WASHER	
16. TS25012025	4	WASHER	
17. TSU42125089	4	BOLT	
18. TS25516035	4	PLUG	
19. TSE10-2711-120	-	SHOE	

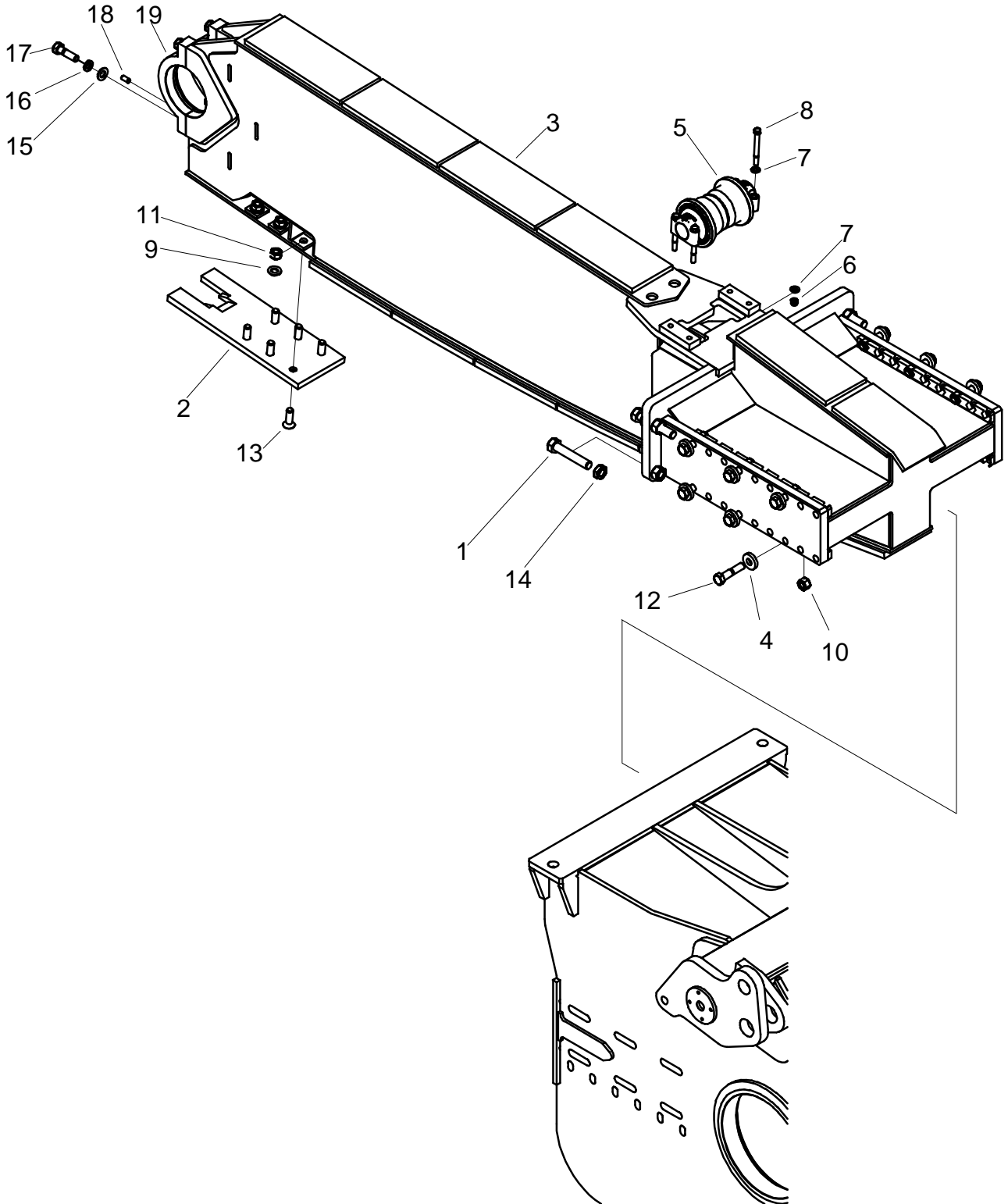
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FOOTNOTES:

NOTE:

REF: E10-2711-816

SINGLE BOOM 8' ASSEMBLY HT300



SINGLE BOOM 8' ASSEMBLY

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-2711-022	4	PULLER	
2. TSE10-2711-064	1	PLATE	
3. TSE10-2711-070	1	BOOM	
4. TSE10-2713-006	12	WASHER	
5. TSV00-2603-002	1	ROLLER	
6. TSU26201016	4	LOCKNUT	
7. TSU25010016	8	WASHER	
8. TSU42116152	4	BOLT	
9. 106-144	6	WASHER (1")	
10. TSU26203125	12	NUT	
11. TSU26200125	6	NUT	
12. TSU42125114	12	BOLT	
13. TSU40725076	6	BOLT	
14. TSU26200532	4	NUT	
15. TSU25015025	4	WASHER	
16. TS25012025	4	WASHER	
17. TSU42125089	4	BOLT	
18. TS25516035	4	PLUG	
19. TSE10-2711-120	-	SHOE	

NOT SHOWN:

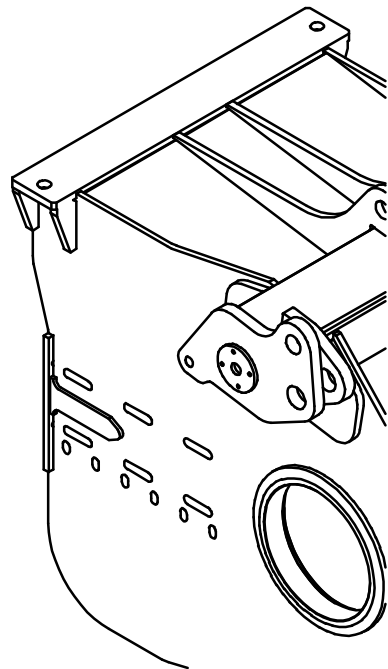
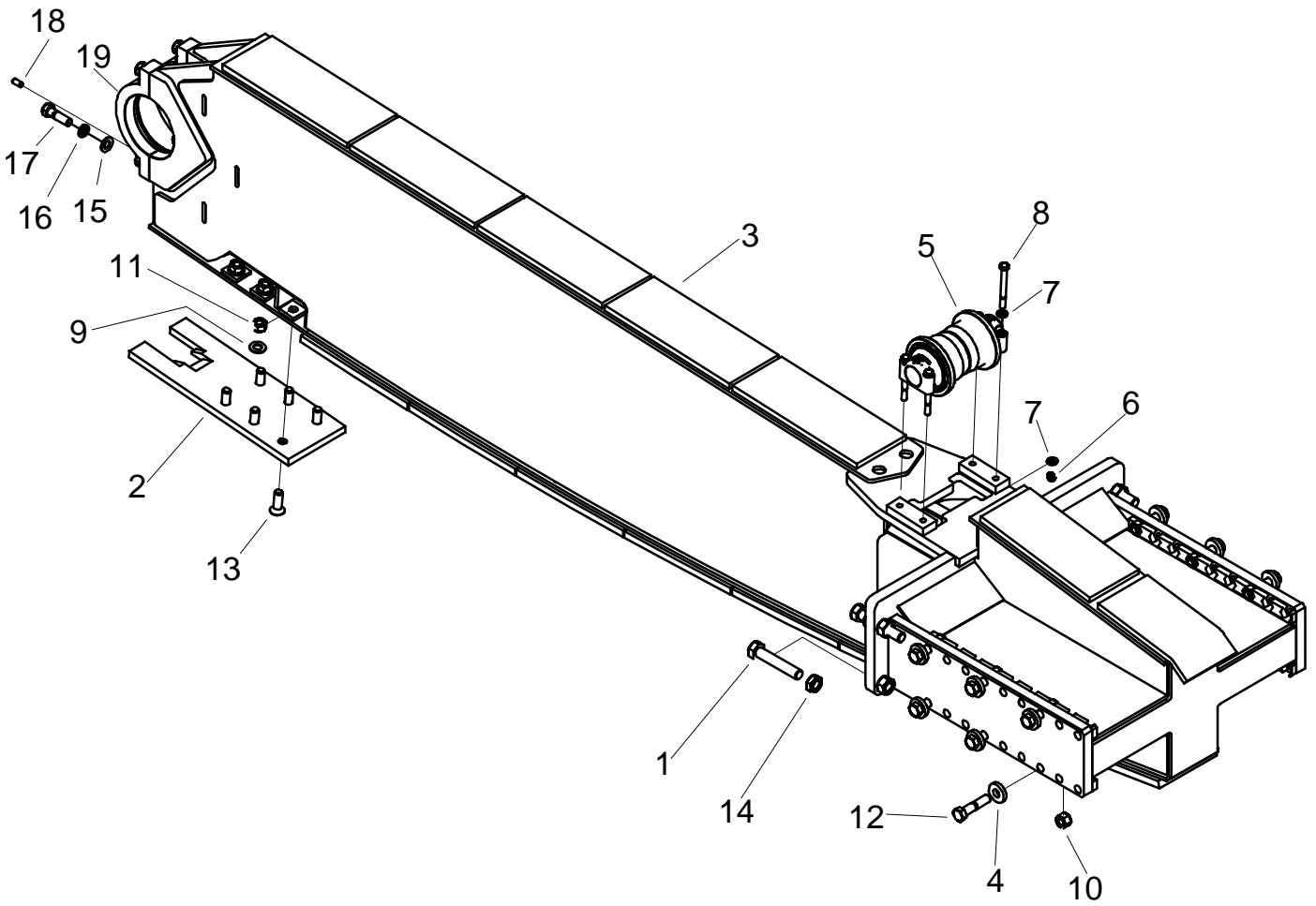
FOOTNOTES:

NOTE:

REF: E10-2711-817

SINGLE BOOM 10' ASSEMBLY

HT300



SINGLE BOOM 10' ASSEMBLY

HT300

REF PART NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-2711-022	4	PULLER	
2.	TSE10-2711-064	1	PLATE	
3.	TSE10-2711-069	1	BOOM	
4.	TSE10-2713-006	12	WASHER	
5.	TSV00-2603-002	1	ROLLER	
6.	TSU26201016	4	LOCKNUT	
7.	TSU25010016	8	WASHER	
8.	TSU42116140	4	BOLT	
9.	106-144	6	WASHER (1")	
10.	TSU26203125	12	NUT	
11.	TSU26200125	6	NUT	
12.	TSU42125114	12	BOLT	
13.	TSU40725076	6	BOLT	
14.	TSU26200532	4	NUT	
15.	TSU25015025	4	WASHER	
16.	TS25012025	4	WASHER	
17.	TSU42125089	4	BOLT	
18.	TS25516035	4	PLUG	
19.	TSE10-2711-120	-	SHOE	

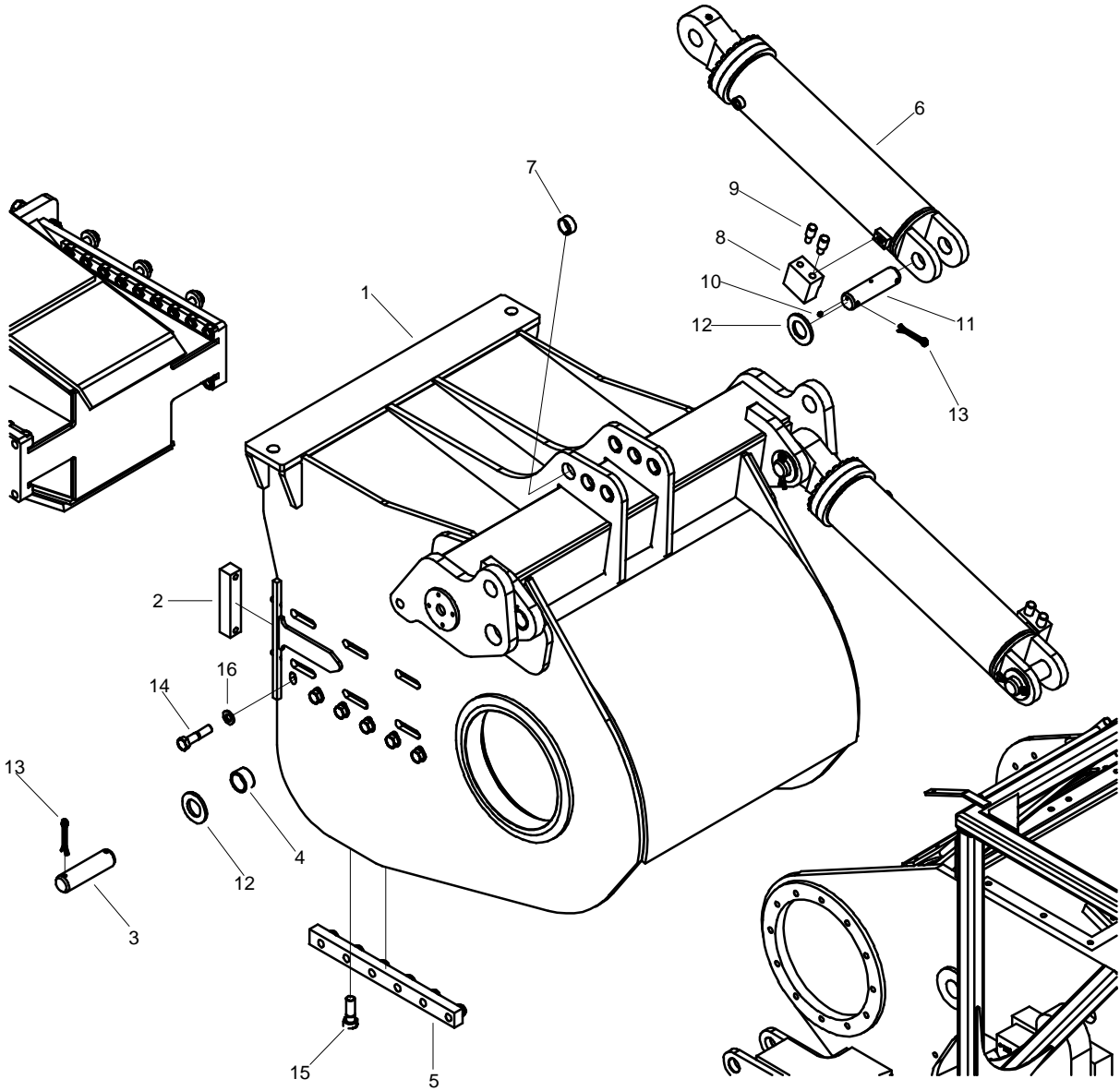
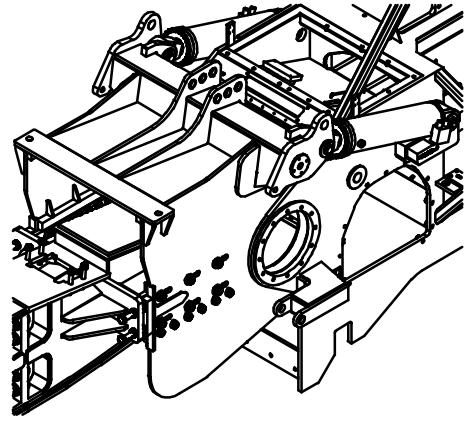
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FOOTNOTES:

NOTE:

REF: E10-2711-818

INNER SHROUD ASSEMBLY HT300



INNER SHROUD ASSEMBLY

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-2711-003	1	INSIDE SHROUD	
2. TSE10-2711-010	2	SPACER	
3. TSP50-0060-230	2	PIN	
4. TSE10-5203-001	4	BUSHING	
5. TSE10-2713-004	2	FLAT BAR	
6. TSV00-6500-001	2	CYLINDER	
7. TSV00-5200-003	6	BUSHING	
8. TSV00-7200-001	2	MANIFOLD	
9. TSV00-6200-001	4	VALVE	
10. TS36400500	4	GREASE FITTING	
11. TSP51-0060-225	2	PIN	
12. TS25010062	8	WASHER	
13. TS25412100	8	COTTER PIN	
14. TSU42125114	12	BOLT	
15. TSU42125089	12	BOLT	
16. TSE10-2713-005	12	WASHER	

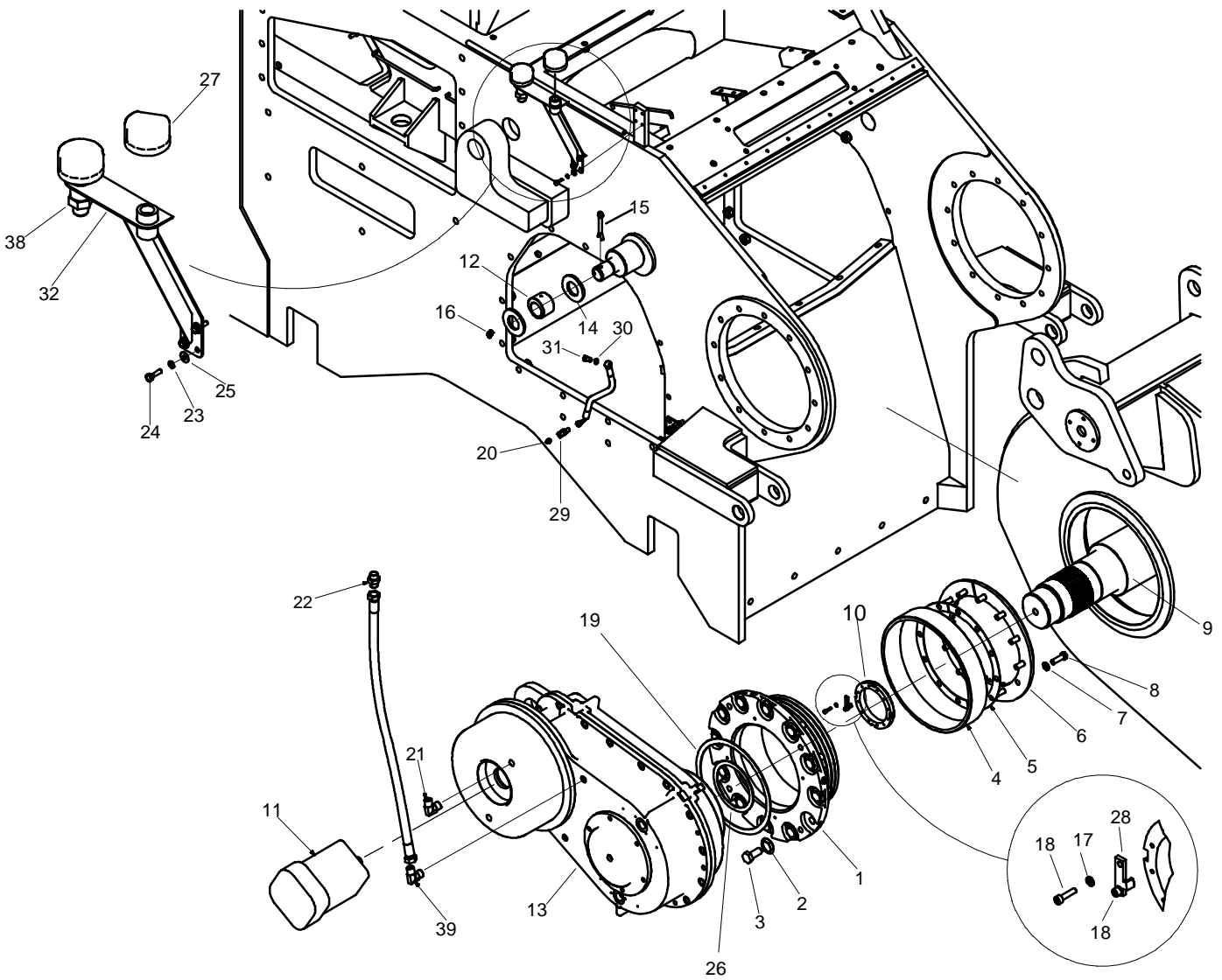
NOT SHOWN:

FOOTNOTES:

NOTE:

REF: E10-2713-800

HEAD SHAFT HT300



HEAD SHAFT

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-2715-002	2 RING	
2.	TSE10-2715-009	24 WASHER	
3.	TS42122050	24 BOLT	
4.	TSE10-2715-007	2 RING	
5.	TSE10-2715-003	2 SHIM	
6.	TSE10-2715-006	2 RING	
7.	TS25012017	24 WASHER	
8.	106-340	24 SCREW (M16-2.00 x 50mm)	
9.	TSE10-2715-001	1 SHAFT	
10.	TSE10-2715-004	2 NUT	
11.	TSV00-6050-001	2 MOTOR	
12.	TSE10-5203-004	2 BUSHING	
13.	TS824852	2 GEARBOX ASSEMBLY	
14.	TS25010054	4 WASHER	
15.	TS25412080	2 COTTER PIN	
16.	TS36400574	2 GREASE FITTING	
17.	TS25012006	4 WASHER	
18.	TS4206025	4 BOLT	
19.	TSE10-2715-012	2 SHIM	
20.	TS36400500	8 GREASE FITTING	
21.	TS01603310	4 FITTING	
22.	TS5700486	4 NIPPLE	
23.	TS25012006	8 WASHER	
24.	TSU40106025	8 BOLT	
25.	106-388	8 WASHER (M6)	
26.	TSE10-2715-015	2 SHIM	
27.	TSV00-6600-006	4 VENTING	
28.	TS816960	2 RETAINER	
29.	TS06071618	8 NIPPLE	
30.	TS30516102	8 WASHER	
31.	TS34020011	8 DRILLED SCREW	
32.	TSE10-2715-019	2 SUPPORT	

NOT SHOWN:

106-389	8	WASHER (M8)
TS25012008	4	WASHER
TSU40108016	2	WASHER
TS36400209	1	WIRE
TSE10-2715-010	2	SHIM
TSE10-2715-011	2	SHIM
TSE10-2715-012	2	SHIM
TSE10-2715-013	2	SHIM
TSE10-2715-014	2	SHIM
TSE10-2715-015	2	SHIM
TSE10-2715-016	2	SHIM
TSE10-2715-017	2	SHIM
TSE10-2715-018	2	SHIM

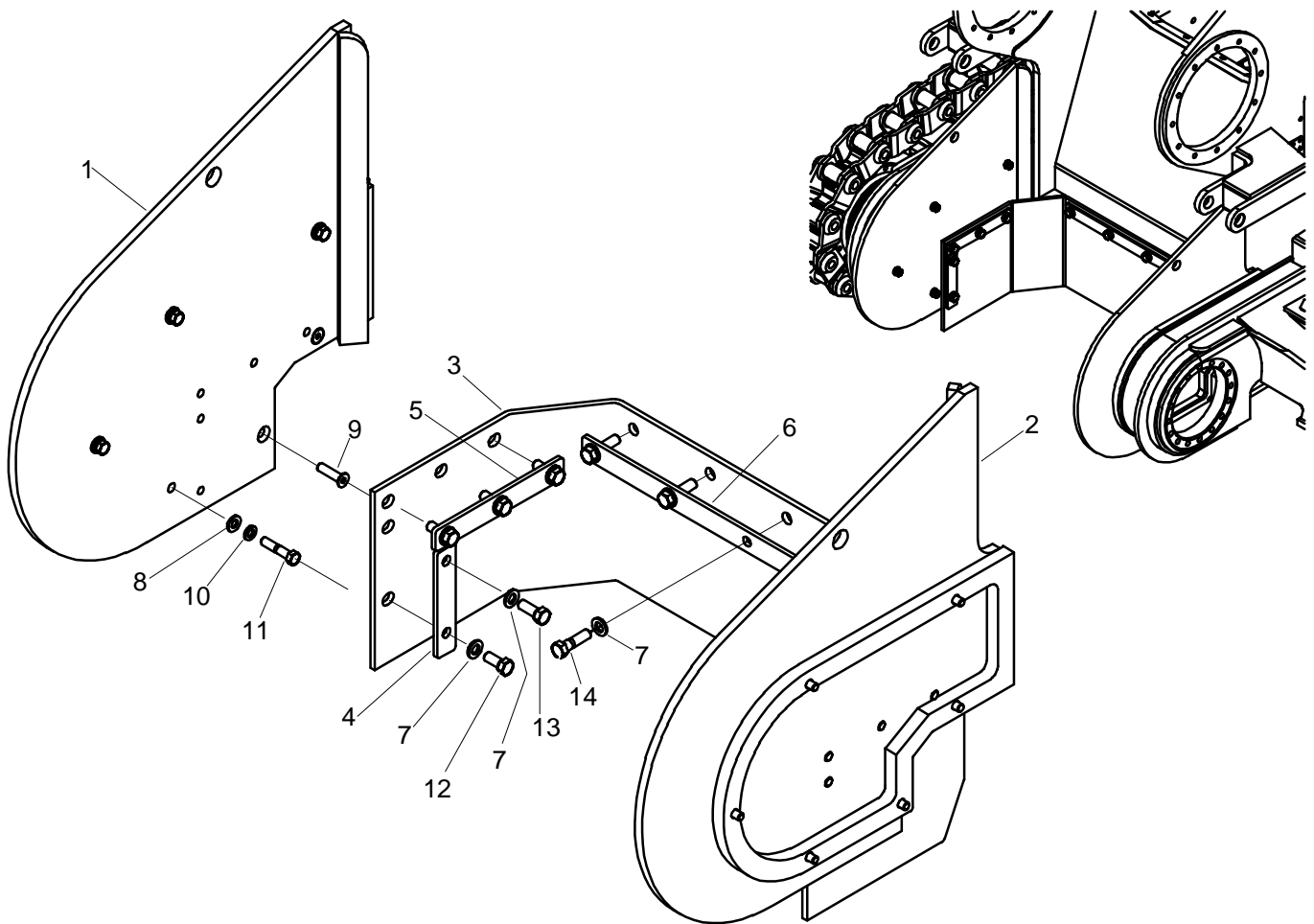
FOOTNOTES:

NOTE:

REF: E10-2715-800

SCOOP PLATE INSTALLATION

HT300



SCOOP PLATE INSTALLATION

HT300

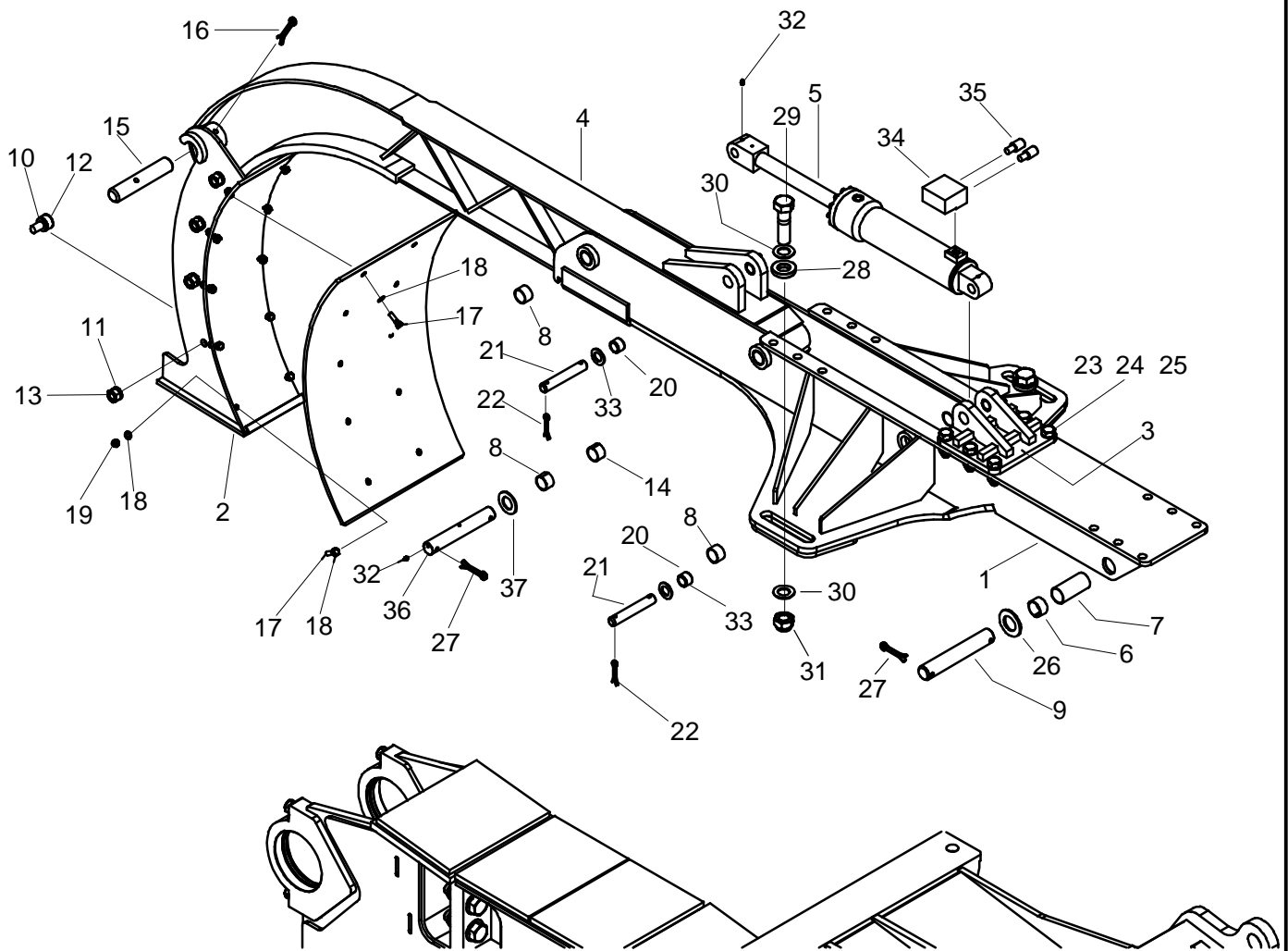
REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-2718-006	1	PLATE	
2. TSE10-2718-007	1	PLATE	
3. TSE10-2718-008	1	PLATE	
4. TSE10-2718-009	1	PLATE	
5. TSE10-2718-004	2	FLAT BAR	
6. TSE10-2718-005	2	FLAT BAR	
7. TSU25015019	15	WASHER	
8. TSU25010016	8	WASHER	
9. TSU42716064	4	BOLT	
10. TSU25012016	8	WASHER	
11. TSU42116076	8	BOLT	
12. TSU42116076	2	BOLT	
13. TSU42519051	8	BOLT	
14. TSU42119065	5	BOLT	

NOT SHOWN:

FOOTNOTES:

NOTE:
REF: E10-2718-801

6'-8' CRUMBSHOE ASSEMBLY HT300



6'-8' CRUMBSHOE ASSEMBLY

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS	
1.	TSE10-2740-014	1	SUPPORT	
2.	TSE10-2740-007	1	FOOT	
3.	TSE10-2740-009	1	SUPPORT	
4.	TSE10-2740-013	1	BEAM	
5.	TSV00-6500-002	1	CYLINDER	
6.	TSV00-5200-001	2	BUSHING	
7.	TSE10-2740-010	1	SPACER	
8.	TSV00-5200-002	6	BUSHING	
9.	TSP00-0200-310	1	PIN	
10.	TSE10-2740-012	8	WASHER	
11.	TS25012025	8	WASHER	
12.	TSV00-3204-002	8	PIN	
13.	TS26201425	8	NUT	
14.	TSE10-5203-005	2	BUSHING	
15.	TSP52-0050-260	1	PIN	
16.	TS254112100	1	COTTER PIN	
17.	TSU42113044	10	BOLT	
18.	TSU25015013	20	WASHER	
19.	TSU26201013	10	LOCKNUT	
20.	TSE10-5203-006	4	BUSHING	
21.	TSP00-0125-196	2	PIN	
22.	TS25410070	4	COTTER PIN	
23.	TSU40125076	6	BOLT	
24.	106-144	12	WASHER (1")	
25.	TSU26201025	6	LOCKNUT	
26.	TSU25010051	2	WASHER	
27.	TS25412100	4	COTTER PIN	
28.	TSE10-2740-004	2	WASHER	
29.	TSU42138140	2	BOLT	
30.	TSU25010038	4	WASHER	
31.	TSU25010032	2	LOCKNUT	
32.	TS36400500	2	GREASE FITTING	
33.	TSU25010032	4	WASHER	
34.	TSV00-7200-001	1	MANIFOLD	
35.	TSV00-6200-001	2	VALVE	
36.	TSP01-0175-290	1	PIN	
37.	TSE10-2740-011	2	WASHER	

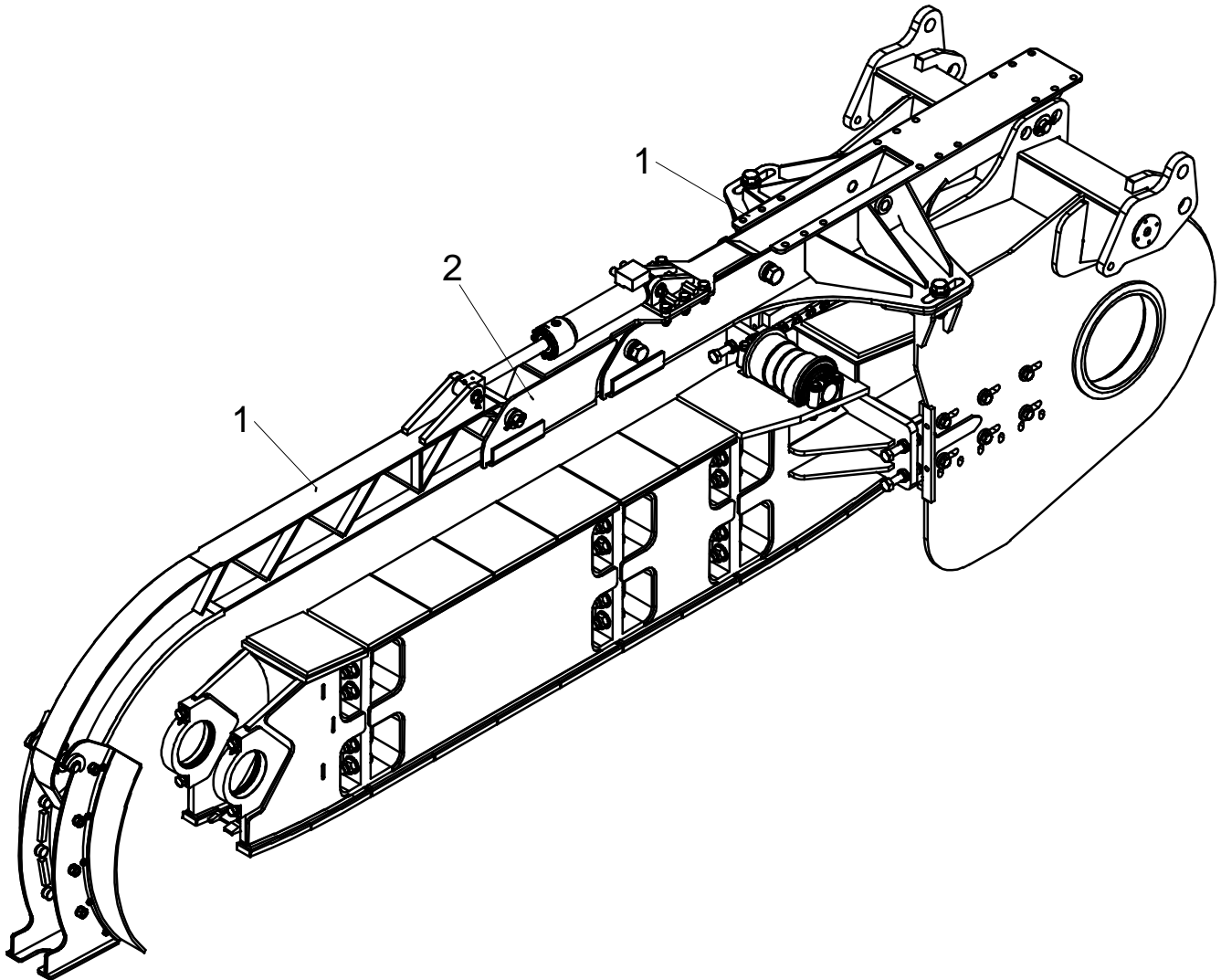
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FOOTNOTES:

NOTE:

REF: E10-2740-803

10' CRUMBSHOE ASSEMBLY HT300



10' CRUMBSHOE ASSEMBLY HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
1. TSE10-2740-803	1	CRUMBSHOE ASSEMBLY	
2. TSE10-2740-805	1	EXTENSION CRUMBSHOE ASM.	

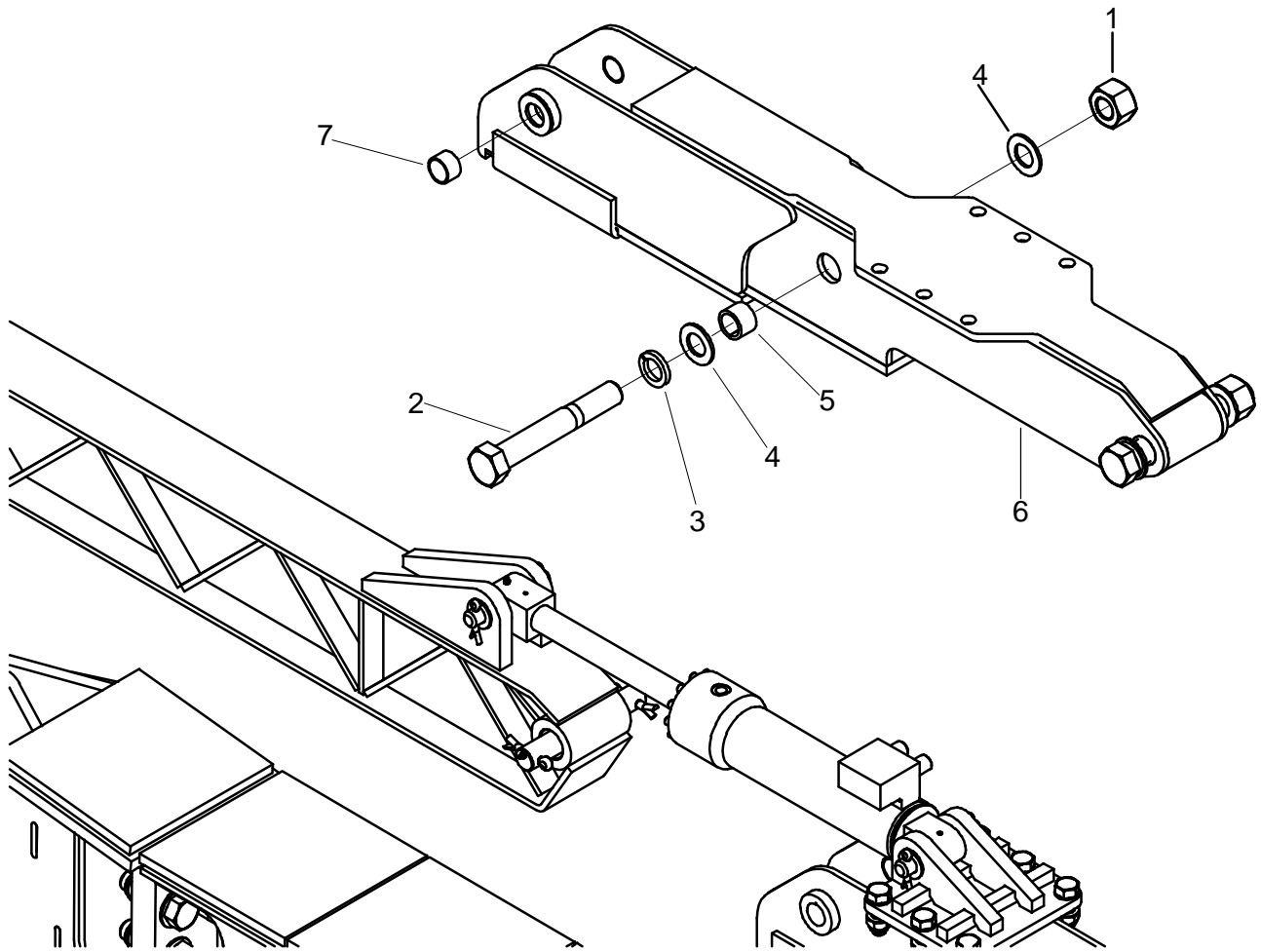
NOT SHOWN:

FOOTNOTES:

NOTE:
REF: E10-2740-804

EXTENSION CRUMBSHOE ASSEMBLY 8' - 10'

HT300



EXTENSION CRUMBSHOE ASSEMBLY 8' - 10'

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSU26202245	2	NUT	
2.	TSU42144292	2	BOLT	
3.	TSU25016044	2	WASHER	
4.	TSE10-2740-011	6	WASHER	
5.	TSV00-5200-004	4	BUSHING	
6.	TSE10-2740-015	1	FITTING	
7.	TSV00-5200-002	2	BUSHING	

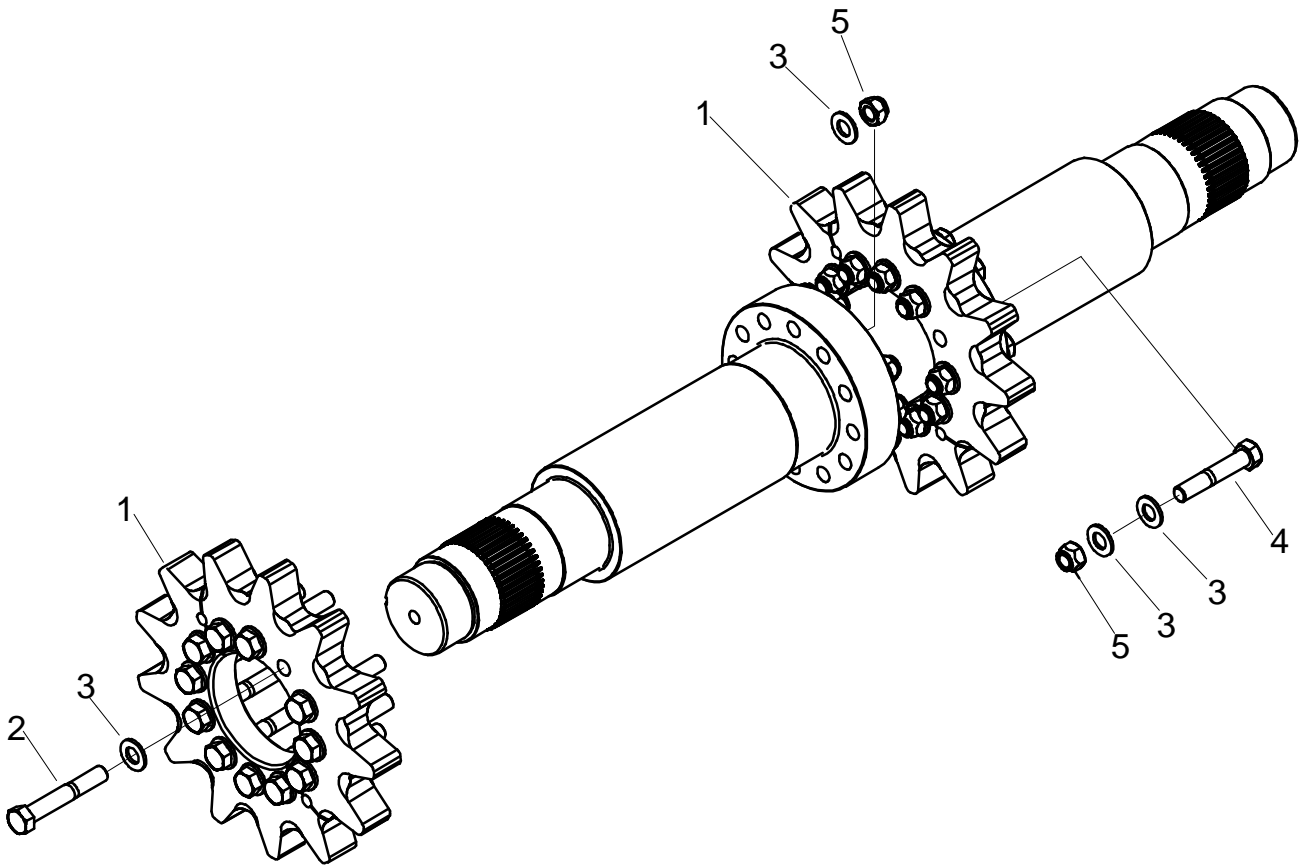
NOT SHOWN:

FOOTNOTES:

NOTE:

REF: E10-2740-805

DOUBLE LINK SPROCKET ASSEMBLY HT300



DOUBLE LINK SPROCKET ASSEMBLY

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-5500-001	2	SPROCKET	
2.	TSU42125165	12	BOLT	
3.	TSU25015052	48	WASHER	
4.	TSU42125140	12	BOLT	
5.	TSU26201025	24	LOCKNUT	

NOT SHOWN:

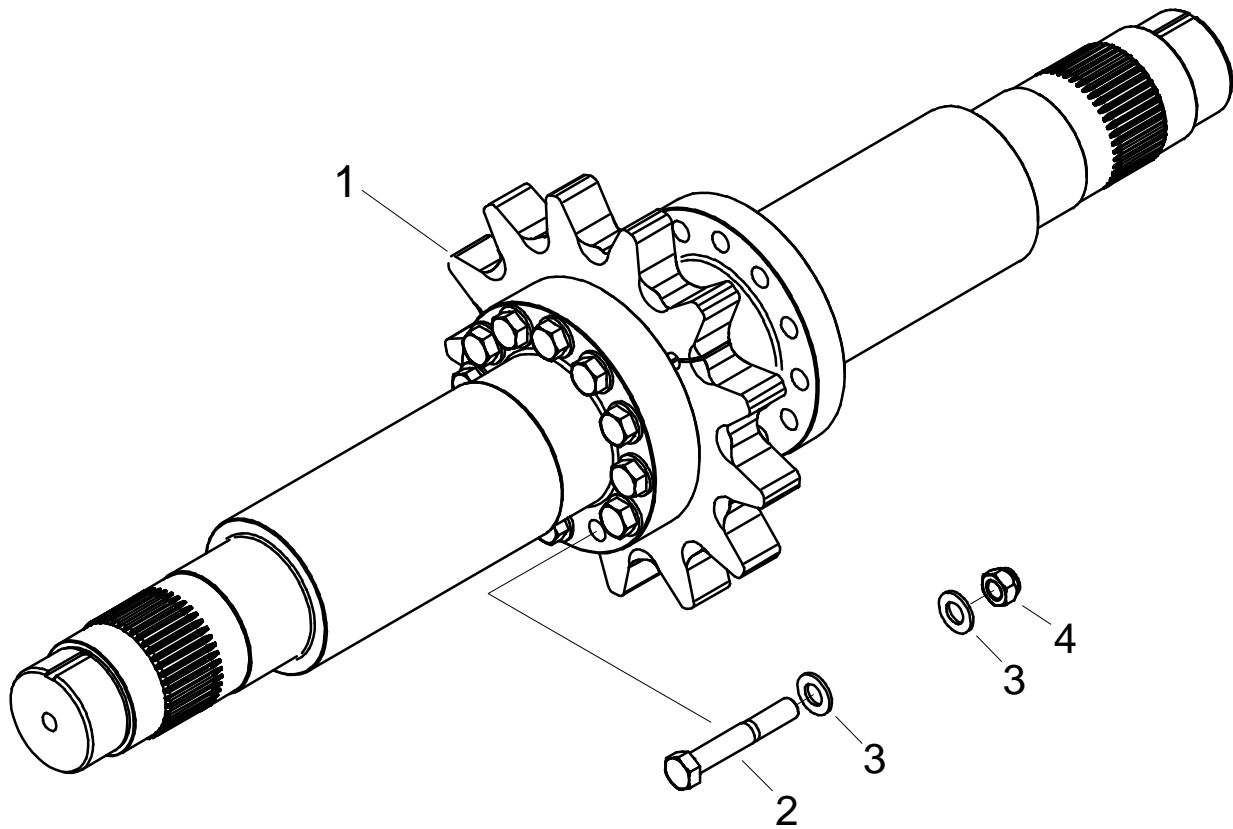
FOOTNOTES:

NOTE:

REF: E10-2763-800

SINGLE SPROCKET ASSEMBLY

HT300



SINGLE SPROCKET ASSEMBLY

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-5500-001	1	SPROCKET	
2.	TSU42125140	12	BOLT	
3.	TSU25015025	24	WASHER	
4.	TSU26201025	12	LOCKNUT	

NOT SHOWN:

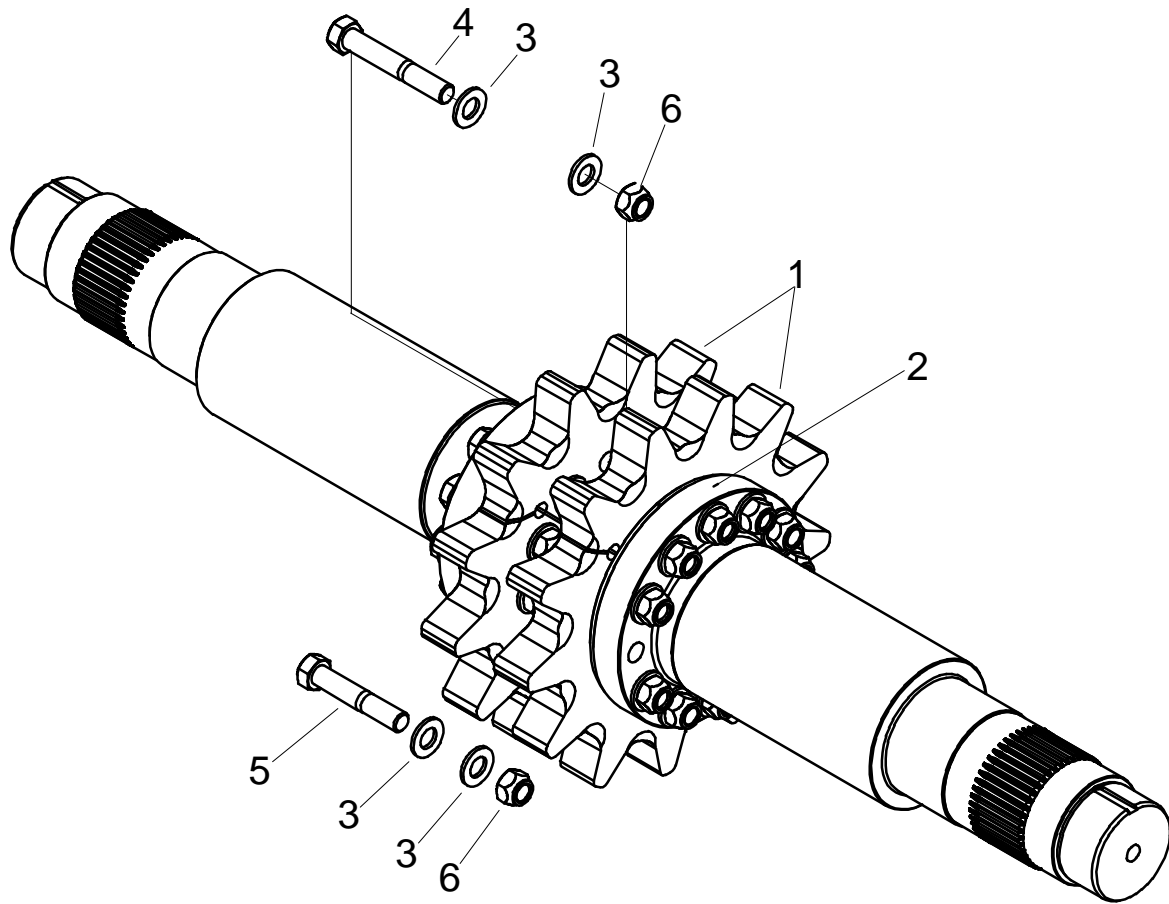
FOOTNOTES:

NOTE:

REF: E10-2763-801

DOUBLE SPROCKET ASSEMBLY

HT300



DOUBLE SPROCKET ASSEMBLY

HT300

REF PART				REMARKS
NO.	NUMBER	QTY	DESCRIPTION	
1.	TSE10-5500-001	2	SPROCKET	
2.	TSE10-2760-001	1	SPACER	
3.	TSU25015025	48	WASHER	
4.	TSU42125165	12	BOLT	
5.	TSU42125140	12	BOLT	
6.	TSU26201025	24	LOCKNUT	

NOT SHOWN:

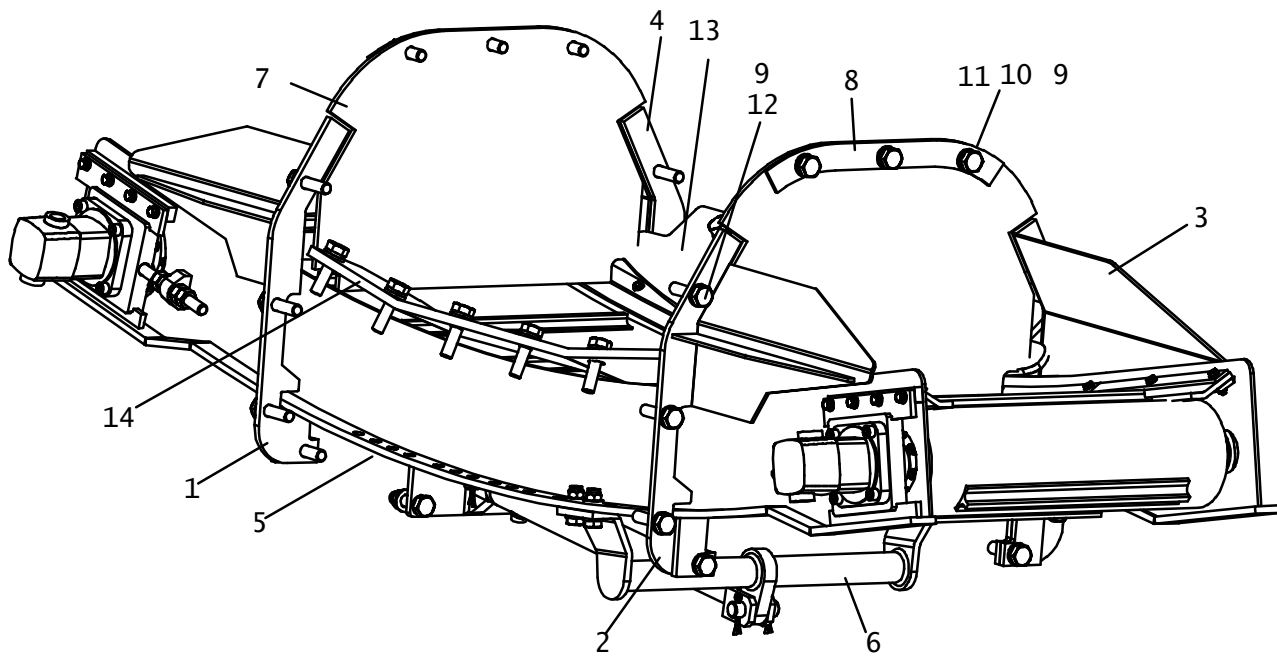
FOOTNOTES:

NOTE:

REF: E10-2763-802

TRANSVERSAL CONVEYOR

HT300



TRANSVERSAL CONVEYOR HT300

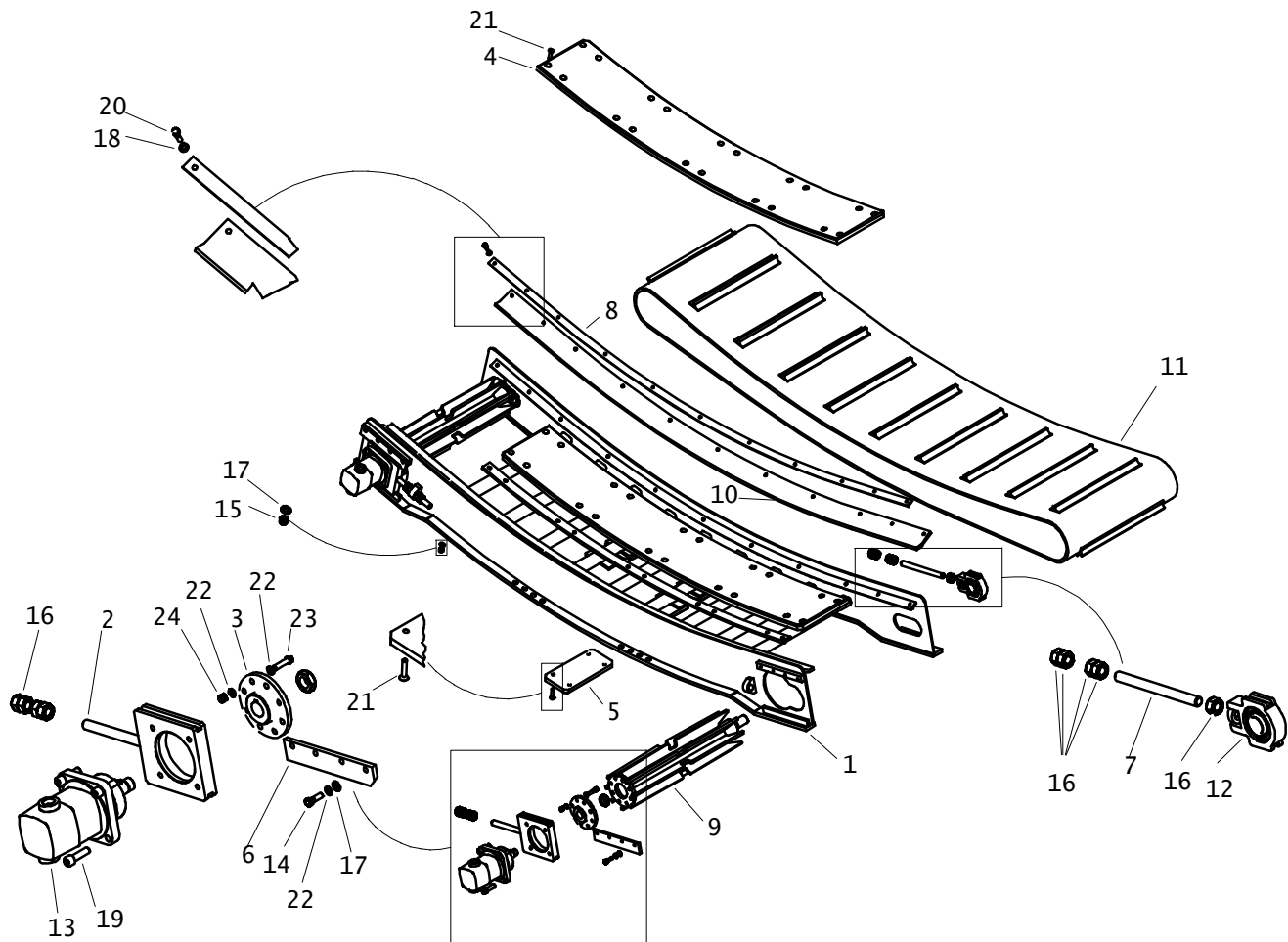
REF PART NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-4900-001	1	GUARD	
2.	TSE10-4900-002	1	GUARD	
3.	TSE10-4900-003	1	GUARD	
4.	TSE10-4900-004	1	GUARD	
5.	TSE10-4901-800	1	TRANSVERSAL CONVEYOR ASM'Y	
6.	TSE10-4930-800	1	CONVEYOR SHIFT ASM'Y	
7.	TSE10-4900-0046	2	RUBBER	
8.	TSE10-4900-005	2	RETAINER	
9.	TSU25010019	6	WASHER	
10.	TS25012019	6	WASHER	
11.	TSU40119057	6	BOLT	
12.	TSU40119076	16	BOLT	
13.	TSE10-4900-007	1	SHIELD	
14.	TSE10-4900-008	1	SHIELD	

NOT SHOWN:

FOOTNOTES:

NOTE:
REF. E10-4900-800

TRANSVERSAL CONVEYOR HT300



TRANSVERSAL CONVEYOR

HT300

REF PART					
NO.	NUMBER	QTY	DESCRIPTION		REMARKS
1.	TSE10-4901-001	1	FRAME		
2.	TSE10-4901-002	2	SLIDE		
3.	TSE10-4901-003	2	FLANGE		
4.	TSE10-4901-004	2	PLATE		
5.	TSE10-4901-005	4	PLATE		
6.	TSE10-4901-006	2	PLATE		
7.	TSE10-4901-007	2	TENSIONER		
8.	TSE10-4901-008	2	RUBBER STOP		
9.	TSE10-4940-001	2	ROLLER		
10.	TSE10-4943-001	2	SIDE SILL		
11.	TSV00-4942-001	1	BELT		
12.	TSV00-5003-001	2	SUPPORT		
13.	TSV00-6050-003	2	MOTOR		
14.	TSU40510032	8	BOLT		
15.	TSU26201010	56	LOCKNUT		
16.	TSU26200119	18	NUT		
17.	106-390	64	WASHER (M10)		
18.	106-389	22	WASHER (M8)		
19.	TSU40513044	8	BOLT		
20.	TSU40208038	22	BOLT		
21.	TSU40710044	56	BOLT		
22.	106-090	40	LOCK WASHER (M10)		
23.	TSU40110038	16	BOLT		
24.	106-175	16	NUT (M10-1.50)		

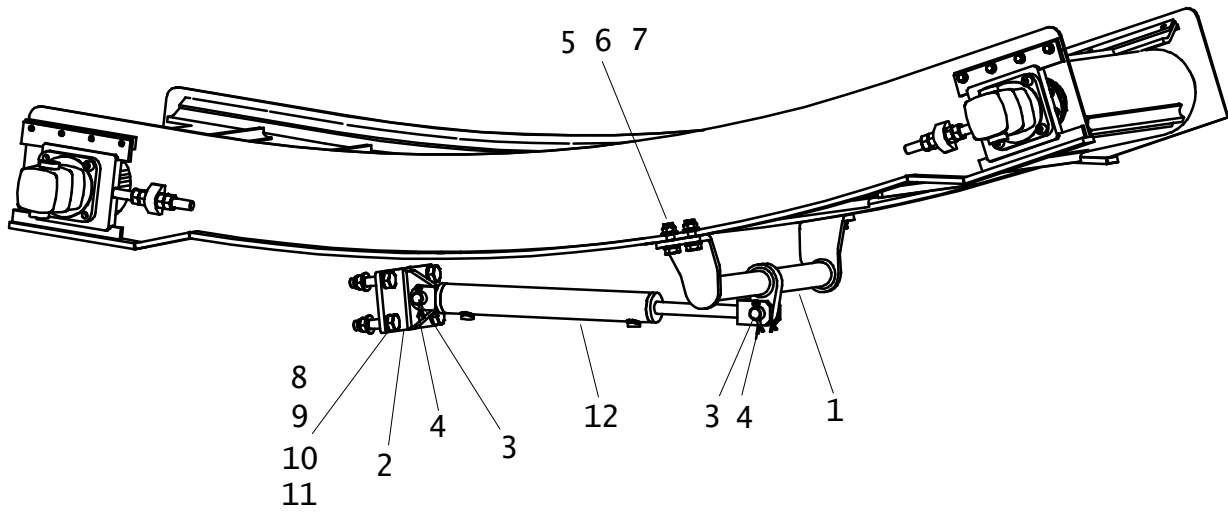
NOT SHOWN:

FOOTNOTES:

NOTE:

REF. E10-4901-800

CONVEYOR SHIFT HT300



CONVEYOR SHIFT HT300

REF PART NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-4930-001	1	ROD	
2.	TSE10-4930-002	1	SUPPORT	
3.	TSE10-4930-003	2	PIN	
4.	TS25406050	4	COTTER PIN	
5.	TSU25010016	8	WASHER	
6.	TSU40116051	4	BOLT	
7.	TSU26201016	4	LOCK NUT	
8.	TSU40119083	4	BOLT	
9.	TSU25015019	4	WASHER	
10.	TS25012019	4	WASHER	
11.	TSU26201019	4	LOCKNUT	
12.	TSV00-6500-004	1	CYLINDER	

NOT SHOWN:

TSV00-6200-004 1 VALVE

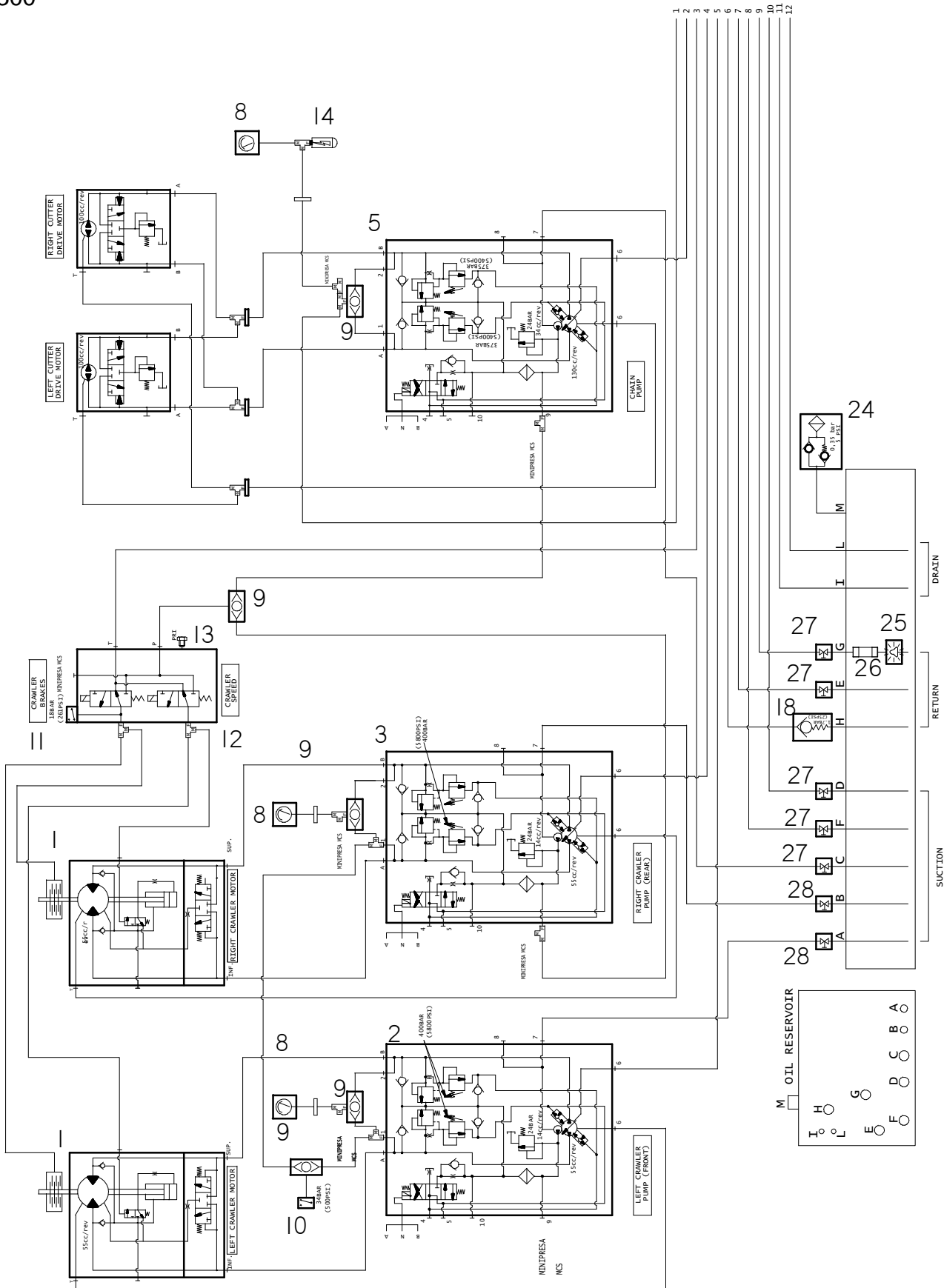
FOOTNOTES:

NOTE:

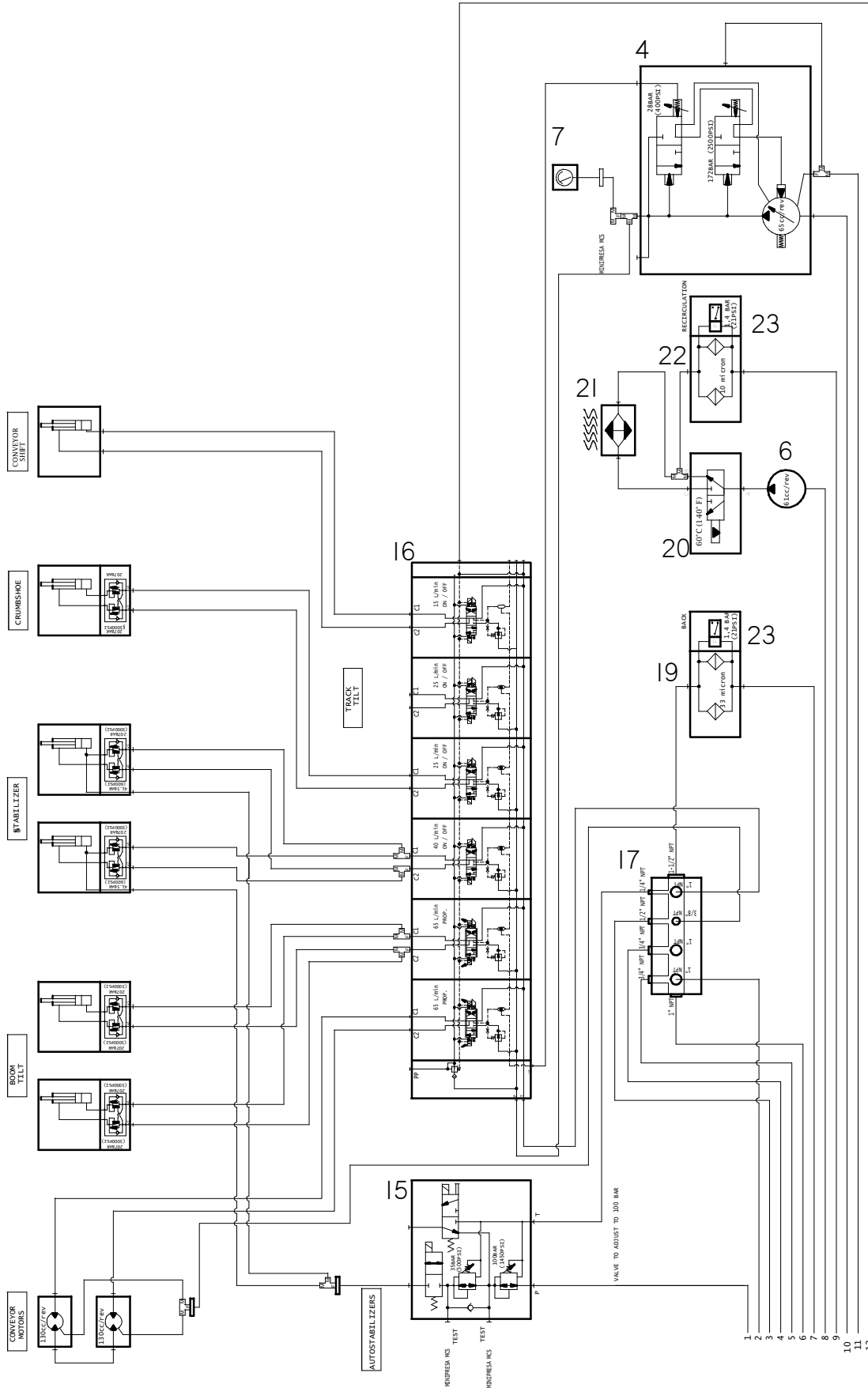
REF. E10-4930-800

HYDRAULICS

TRACTOR HYDRAULIC SCHEMATIC HT300



TRACTOR HYDRAULIC SCHEMATIC HT300



TRACTOR HYDRAULIC SCHEMATIC HT300

REF PART NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSV00-6050-002	2	CRAWLER DRIVE MOTOR, 55CC	
2.	TSV00-6001-004	1	PUMP, LH ROTATION, 55CC, FRONT	
3.	TSV00-6001-005	1	PUMP, LH ROTATION, 55CC, REAR	
4.	TSV00-6001-001	1	EQUIP. CIRCUIT PUMP, 65CC, LH	
5.	TSV00-6001-002	1	PUMP, LH ROTATION, 130CC	
6.	TSV00-6004-001	1	RECIRCULATING PUMP, 61CC, LH	
7.	TSV00-6300-001	1	GAUGE, 0-3000 PSI	
8.	TSV00-6300-002	3	GAUGE, 0-6000 PSI	
9.	TSV00-6208-002	5	SHUTTLE VALVE	
10.	TSV00-8603-003	1	PRESSURE SWITCH ASSEMBLY	
11.	TSV00-8603-002	1	PRESSURE SWITCH	
12.	TSV00-6100-002	1	COMBO. BLOCK VALVE (BRAKE+SPEED)	
13.	TSV00-6100-003	1	PLUG FOR CAVITY	
14.	TSV00-8603-005	1	PRESSURE TRANSDUCER	
15.	TSV00-6100-004	1	COMBO. BLOCK VALVE	AUTOSTABILIZERS
16.	TSV00-6100-005	1	EQUIP. CIRCUIT CONTROL VALVE	
17.	TSE10-7200-002	1	LOW PRESSURE MANIFOLD	
18.	TSV00-6200-003	1	CHECK VALVE	
19.	TSV00-6600-001	1	FILTER, 30 MICRON	
20.	TSV00-6208-001	1	THERMOSTATIC CONTROL VALVE	
21.	TSV00-4506-001	1	RADIATOR	
22.	TSV00-6600-003	1	FILTER, 10 MICRON	
23.	TSV00-8603-001	2	CLOGGING SWITCH	
24.	500-1791	1	OIL RESERVOIR BREATHER	TSV00-6600-006
25.	TSV00-6600-005	1	DIFFUSER	
26.	TSE10-4850-002	1	COUPLING (2")	
27.	TSV00-6130-002	5	BALL VALVE (1-1/2")	
28.	TSV00-6130-001	2	BALL VALVE (1")	

NOT SHOWN:

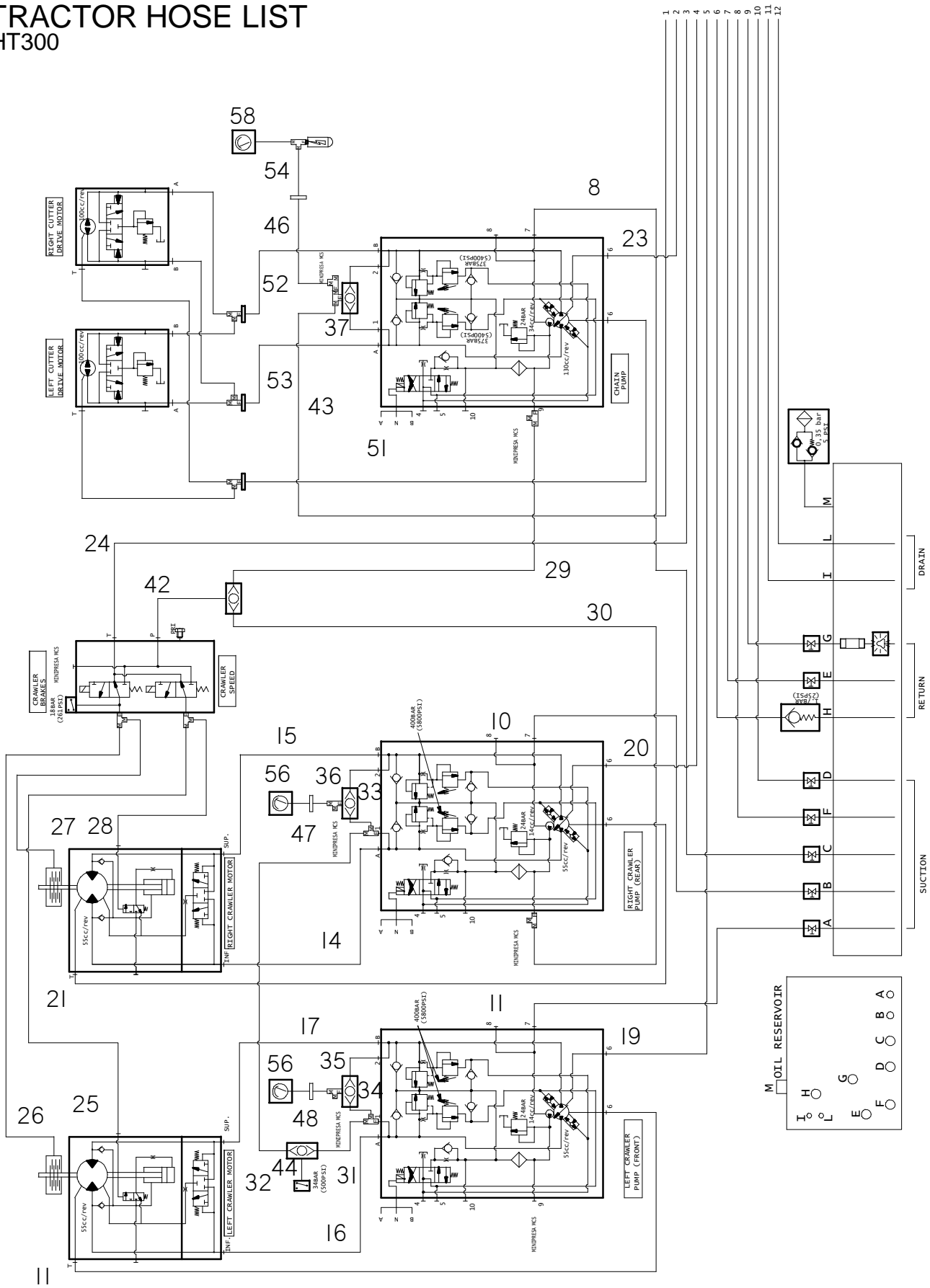
500-1792	1	FILTER CARTRIDGE CA 200/3	TSV00-6600-002
500-1793	1	FILTER CARTRIDGE CA 160/1	TSV00-6600-004

FOOTNOTES:

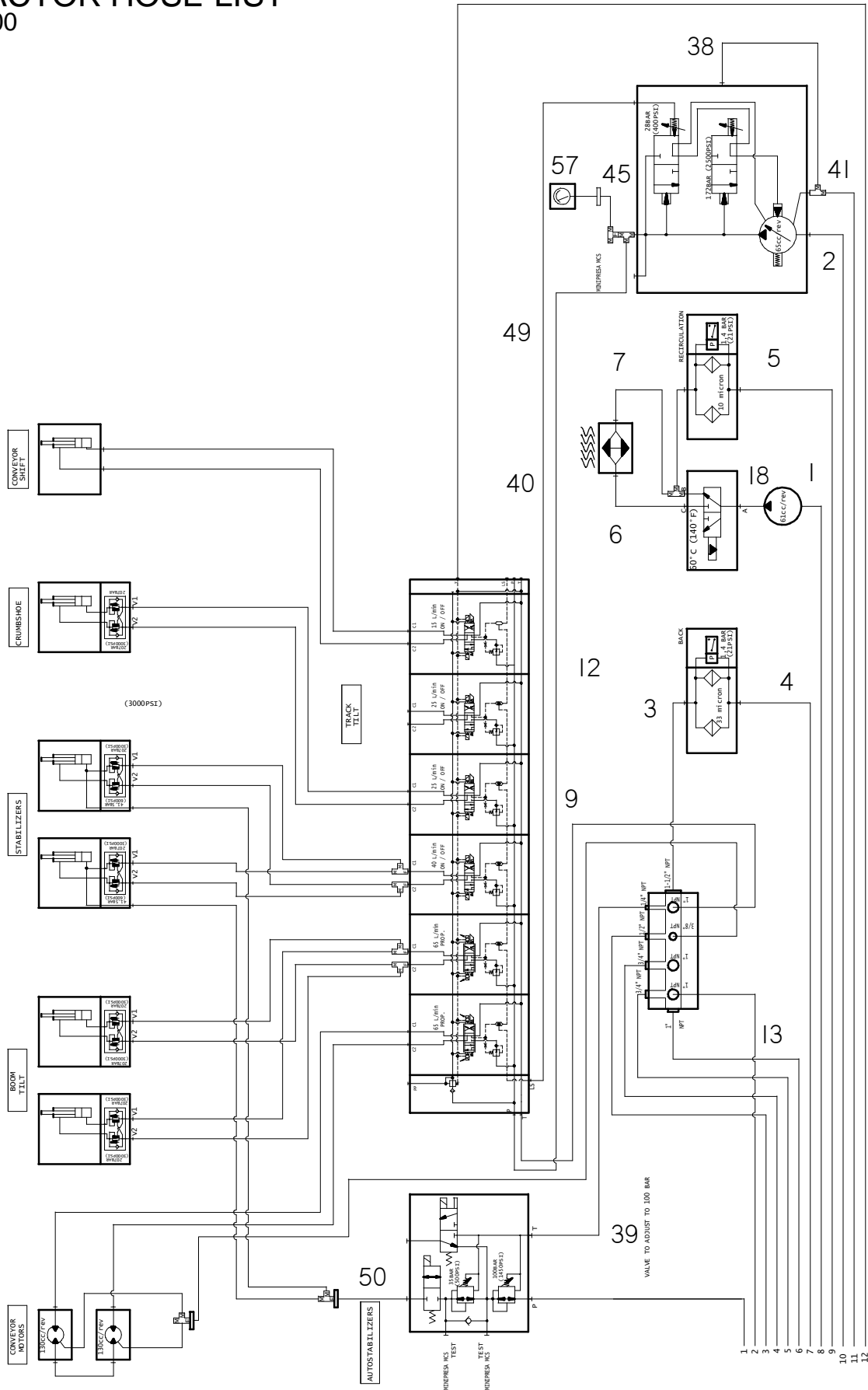
NOTE:

REF: E10-7000-802

TRACTOR HOSE LIST HT300



TRACTOR HOSE LIST HT300



TRACTOR HOSE LIST

HT300

REF PART NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1.	TS05203038	1	TUBO R1 38X1700 A1-1/2"JIC-A1-1/2"JIC	
2.	TS05202654	1	TUBO R1 38X1600 A1-1/2"JIC-A1-1/2"JIC	
3.	TS05201840	1	TUBO R1 38X700 A1-1/2"JIC-A1-1/2"JIC	
4.	TS05203038	1	TUBO R1 38X1700 A1-1/2"JIC-A1-1/2"JIC	
5.	TS05203039	1	TUBO R1 38X2000 A1-1/2"JIC-A1-1/2"JIC	
6.	TS05203103	1	TUBO R1 38X2500 A1-1/2"JIC-A1-1/2"JIC	
7.	TS05203039	1	TUBO R1 38X2000 A1-1/2"JIC-A1-1/2"JIC	
8.	TS05203040	1	TUBO R1 38X2200 A1-1/2"JIC-K(45°) 1-1/2"JIC	
9.	TS05203041	1	TUBO R1 25X2300 A1"JIC - A1"JIC	
10.	TS05203042	1	TUBO R1 25X1250 A1"JIC - A1"JIC	
11.	TS05203042	1	TUBO R1 25X1250 A1"JIC - A1"JIC	
12.	TS05302629	1	TUBO R2 19X2300 A3/4"JIC-A3/4"JIC	
13.	TS05303045	1	TUBO R1 25X1600 A1"JIC - A1"JIC	
14.	TS05400553	1	TUBO 4SH 19X3500 7604 7803	
15.	TS05400553	1	TUBO 4SH 19X3500 7604 7803	
16.	TS05400553	1	TUBO 4SH 19X3500 7604 7803	
17.	TS05400553	1	TUBO 4SH 19X3500 7604 7803	
18.	TS05203104	1	TUBO R1 25X1400 A1"JIC-K1"JIC	
19.	TS05203048	1	TUBO R1 19X700 A3/4"JIC-A3/4"JIC	
20.	TS05203048	1	TUBO R1 19X700 A3/4"JIC-A3/4"JIC	
21.	TS05203049	1	TUBO R1 13X3700 A1/2"JIC-K1/2"JIC	
22.	TS05203043	1	TUBO R1 13X3400 A1/2"JIC-K1/2"JIC	
23.	TS05203046	1	TUBO R1 25X1150 A1"JIC-K1"JIC	
24.	TS05203047	1	TUBO R1 13X2000 A1/2"JIC - K1/2"JIC	
25.	TS05302630	1	TUBO R2 6X2900 A1/4"JIC - A 1/4"JIC	
26.	TS05302012	1	TUBO R2 6X3300 A1/4"JIC - A 1/4"JIC	
27.	TS05302653	1	TUBO R2 6X5400 A1/4"JIC - A 1/4"JIC	
28.	TS05302653	1	TUBO R2 6X5000 A1/4"JIC - A 1/4"JIC	
29.	TS05302631	1	TUBO R2 6X300 A1/4"JIC - K 1/4"JIC	
30.	TS05302631	1	TUBO R2 6X300 A1/4"JIC - K 1/4"JIC	

NOT SHOWN:

TS05301310	1	TUBO R2 6X220 A1/4"JIC - K 1/4"JIC
TS05302930	1	TUBO R1 6X400 A1/4"JIC - A 1/4"JIC
TS05202930	1	TUBO R1 6X550 A1/4"JIC - A 1/4"JIC
TS05202816	1	TUBO R1 19X950 A3/4"JIC - K 3/4"JIC
TS05202694	1	TUBO R1 6X900 A1/4"JIC - K 1/4"JIC
TS05203063	1	TUBO R1 13X2200 A1/2"JIC - A1/2"JIC
TS05203064	1	TUBO R1 13X2900 A1/2"JIC - A1/2"JIC
TS05203059	2	TUBO R1 6X1100 O 1/4"JIC - K 1/4"JIC
TS05203060	2	TUBO R1 6X850 O 1/4"JIC - K 1/4"JIC
TS05203061	2	TUBO R1 6X600 O 1/4"JIC - K 1/4"JIC
TS05203062	2	TUBO R1 6X450 O 1/4"JIC - K 1/4"JIC

FOOTNOTES:

NOTE:

REF: E10-7100-802

TRACTOR HOSE LIST

HT300

REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS
31. TS05302631	1	TUBO R2 6X300 A 1/4"JIC - K 1/4"JIC	
32. TS05302631	1	TUBO R2 6X300 A 1/4"JIC - K 1/4"JIC	
33. TS05302631	1	TUBO R2 6X300 A 1/4"JIC - K 1/4"JIC	
34. TS05302631	1	TUBO R2 6X300 A 1/4"JIC - K 1/4"JIC	
35. TS05302631	1	TUBO R2 6X300 A 1/4"JIC - K 1/4"JIC	
36. TS05302631	1	TUBO R2 6X300 A 1/4"JIC - K 1/4"JIC	
37. TS05302631	1	TUBO R2 6X300 A 1/4"JIC - K 1/4"JIC	
38. TS05203054	1	TUBO R1 6X300 A 1/4"JIC - K 1/4"JIC	
39. TS05203055	1	TUBO R1 6X2800 A 1/4"JIC - A 1/4"JIC	
40. TS05202632	1	TUBO R2 6X2900 A 1/4"JIC - K 1/4"JIC	
41. TS05203055	1	TUBO R1 6X2800 A 1/4"JIC - A 1/4"JIC	
42. TS05300777	1	TUBO R2 6X1200 A 1/4"JIC - K 1/4"JIC	
43. TS05302633	1	TUBO R2 6X3700 A 1/4"JIC - K 1/4"JIC	
44. TS05300778	1	TUBO R2 6X1500 A 1/4"JIC - A 1/4"JIC	
45. TS05302634	1	TUBO R2 6X1600 A 1/4"JIC - A 1/4"JIC	
46. TS05302635	1	TUBO R2 6X1800 A 1/4"JIC - A 1/4"JIC	
47. TS05300744	1	TUBO R2 6X2000 A 1/4"JIC - A 1/4"JIC	
48. TS05301311	1	TUBO R2 6X2200 A 1/4"JIC - A 1/4"JIC	
49. TS05303106	1	TUBO R1 6X1700 A 1/4"JIC - K 1/4"JIC	
50. TS05300687	1	TUBO R2 6X900 A 1/4"JIC - K 1/4"JIC	
51. TS05203066	1	TUBO R1 25X2500 A 1"JIC - K 1"JIC	
52. TS05400537	1	TUBO 4SH 32X2300 A 1-1/4"JIC - 7809	
53. TS05400538	1	TUBO 4SH 32X2400 A 1-1/4"JIC - 7809	
54. TS05300687	1	TUBO R2 6X900 A 1-1/4"JIC - K 1/4"JIC	
55. TS08200176	1	TUBO MCS 800	
56. TS08200176	1	TUBO MCS 800	
57. TS08200176	1	TUBO MCS 800	
58. TS08200176	1	TUBO MCS 800	

NOT SHOWN:

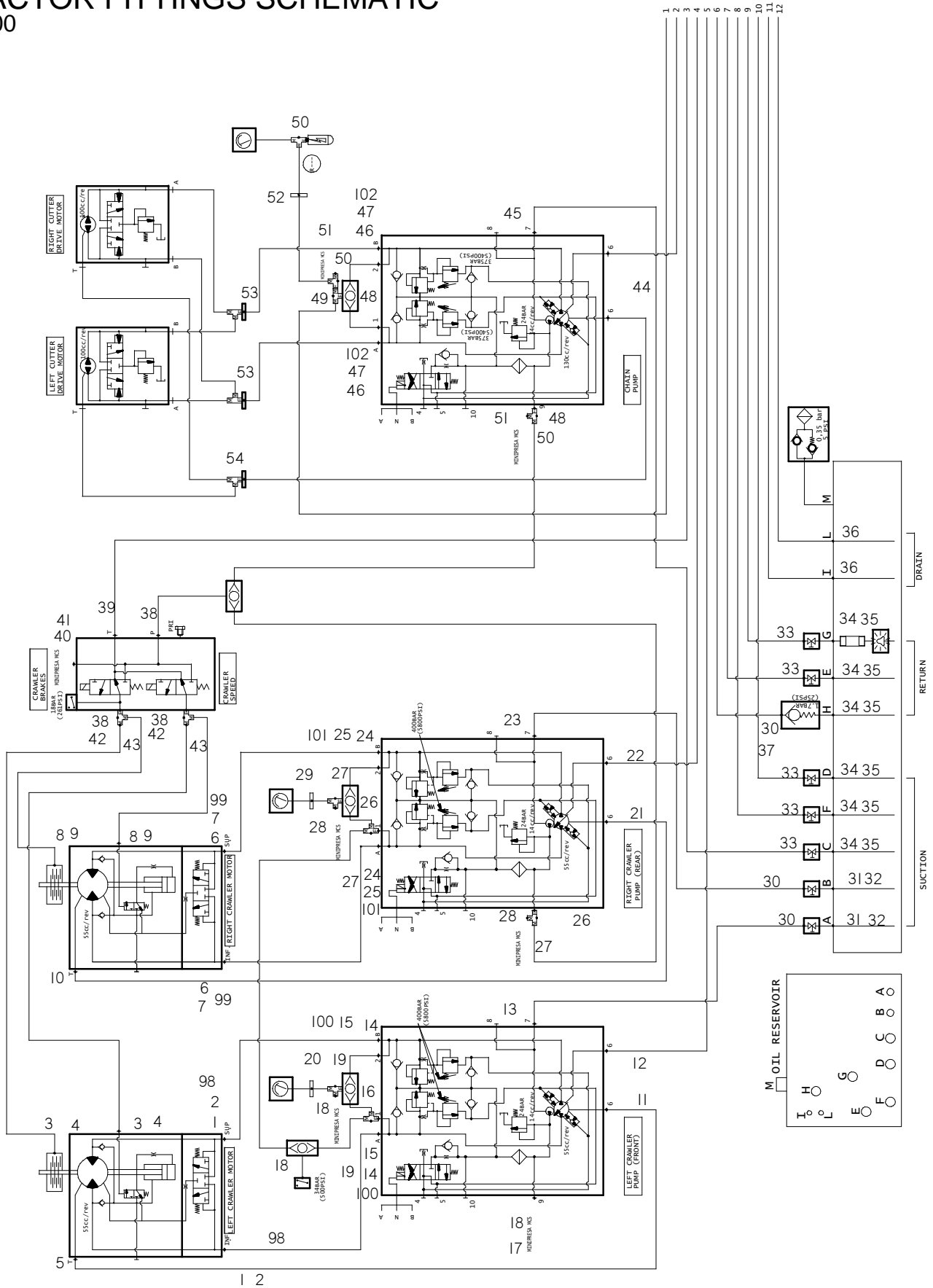
FUEL SYSTEM HOSE LIST

TS05203058	1	TUBO R1 16X700 K 5/8"JIC - A 5/8"JIC	
TS05202484	1	TUBO R1 16X900 K 5/8"JIC - A 5/8"JIC	
TS05202504	1	TUBO R1 16X700 K 5/8"JIC - A 5/8"JIC	
TS05202069	1	TUBO R1 16X2100 K 5/8"JIC - A 5/8"JIC	
TS05202485	1	TUBO R1 16X4900 K 5/8"JIC - A 5/8"JIC	
TS05203107	1	TUBO R1 16X500 K 5/8"JIC - A 5/8"JIC	
TS05203031	1	TUBO R1 13X2600 A 1/2"JIC - A 1/2"JIC	
TS05202920	1	TUBO R1 13X600 K 1/2"JIC - A 1/2"JIC	
TS05203053	1	TUBO R1 13X1400 K 1/2"JIC - A 1/2"JIC	
TS05203053	1	TUBO R1 13X1400 K 1/2"JIC - A 1/2"JIC	
TS05203058	1	TUBO R1 13X2300 K 1/2"JIC - A 1/2"JIC	

FOOTNOTES:

NOTE:

TRACTOR FITTINGS SCHEMATIC HT300



TRACTOR FITTINGS SCHEMATIC

HT300

REF PART NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1.	TS05020612	4	SPLIT FLANGES (SAE 6000 3/4")	LEFT CRAWLER MOTOR FITTINGS, E10-7300-031 INCL'S REF NO.'S 1 THRU 5 & 150
2.	TS30704100	2	O-RING (3/4")	
3.	TS05703387	2	NIPPLE (3/8"JIC - M14 X 1.5)	
4.	TS05903318	2	ADAPTER (1/4"JIC - 3/8"JIC F)	
5.	TS05708117	1	NIPPLE (M18 X 1.5 - 1/2"JIC)	
6.	TS05020612	4	SPLIT FLANGES (SAE 6000 3/4")	RIGHT CRAWLER MOTOR FITTINGS, E10-7300-032 INCL'S REF NO.'S 6 THRU 10 & 151.
7.	TS30704100	2	O-RING (3/4")	
8.	TS05703387	2	NIPPLE (3/8"JIC - M14 X 1.5)	
9.	TS05903318	2	ADAPTER (1/4"JIC - 3/8"JIC F)	
10.	TS05708117	1	NIPPLE (M18 X 1.5 - 1/2"JIC)	
11.	TS05802049	1	NIPPLE (3/4" ORB - 1/2" JIC)	LEFT CRAWLER PUMP FITTINGS, E10-7300-033 INCL'S REF NO.'S 11 THRU 20 & 97 AND 152
12.	TS05703384	1	NIPPLE (3/4" ORB - 3/4"JIC)	
13.	TS05704217	1	NIPPLE (1" ORB - 1" JIC)	
14.	TS05020616	4	SPLIT FLANGES (SAE 6000 1")	
15.	TS30704131	2	O-RING (1")	
16.	TS05703376	3	NIPPLE (3/8" ORB - 1/4" JIC)	RIGHT CRAWLER PUMP FITTINGS, E10-7300-034 INCL'S REF NO.'S 21 THRU 29 & 97 AND 153
17.	TS01603327	1	ELBOW (90° M/M 3/8"-1/4"JIC)	
18.	TS08200605	2	COUPLING (MCS 1/4"JIC)	
19.	TS43100150	2	T-FITTING (1/4" JIC M-M-F)	
20.	TS06000117	1	NIPPLE (1/4"JIC-1/4"JIC, BLKHD)	
21.	TS05802049	1	NIPPLE (3/4" ORB - 1/2" JIC)	
22.	TS05703384	1	NIPPLE (3/4" ORB - 3/4"JIC)	
23.	TS05704217	1	NIPPLE (1" ORB - 1" JIC)	
24.	TS05020616	4	SPLIT FLANGES (SAE 6000 1")	
25.	TS30704131	2	O-RING (1")	
26.	TS05703376	3	NIPPLE (3/8" ORB - 1/4" JIC)	OIL RESERVOIR FITTINGS, E10-7300-035 INCL'S REF NO.S 30 THRU 37
27.	TS43100150	2	T-FITTING (1/4" JIC M-M-F)	
28.	TS08200605	2	COUPLING (MCS 1/4"JIC)	
29.	TS06000117	1	NIPPLE (1/4"JIC-1/4"JIC, BLKHD)	
30.	TS05703393	3	NIPPLE (1"NPT -1"JIC)	
31.	TS01603311	2	ELBOW 90° (M/M 1"NPT - 1"JIC)	
32.	TS05704050	2	CONNECTOR, SWVL(1"NPT M-1"JIC F)	
33.	TS05703994	5	NIPPLE (1-1/2"NPT - 1-1/2"JIC)	
34.	TS01603313	6	ELBOW 90° (M/M 1-1/2NPT -1-1/2JIC)	
35.	TS05903307	6	CONNECTOR, SWVL(1-1/2NPT M 1-1/2JIC F)	
36.	TS05703388	2	NIPPLE (1/4"NPT-1/4"JIC)	
37.	TS06500526	1	ADAPTOR (M/F 1-1/2"NPT-1"NPT)	

NOT SHOWN:

FUEL SYSTEM FITTINGS, E10-7300-025	
TS05700218	7 NIPPLE (3/4" BSPP-5/8"JIC)
TS05802103	3 NIPPLE (3/4"BSPP-1/2"JIC)
TS05801025	2 NIPPLE (1/2"NPT-5/8"JIC)
TS05703391	4 NIPPLE (1/2"NPT-1/2"JIC)
TS01603329	1 T-FITTING (1/2"JIC M-M-F)
TS05903312	1 ADAPTOR (1/2"JIC-1/4"NPT F, BLKHD)
TS05703502	3 NIPPLE (3/8"ORB-5/8"JIC)
TS05703398	1 NIPPLE (3/8"ORB-1/2"JIC)
TS02203316	5 EXAGON PLUG (3/8"ORB)

FOOTNOTES:

NOTE:

REF: E10-7300-802

TRACTOR FITTINGS SCHEMATIC

HT300

REF PART NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
38.	TS43100264	3	NIPPLE (1/2"ORB - 1/4"JIC)	COMBO BLOCK BRAKE+SPEED FITTINGS, E10-7300-036 INCL 'S REF NO.'S 38 THRU 43 & 97
39.	TS05802049	1	NIPPLE (3/4"ORB - 1/2"JIC)	
40.	TS05703375	1	NIPPLE (1/4"ORB - 1/4"JIC)	
41.	TS08200605	1	COUPLING (MCS 1/4"JIC)	CHAIN PUMP FITTINGS, E10-7300-026 INCL 'S REF NO.'S 44 THRU 54 & 97 AND 154
42.	TS43100150	2	T-FITTING (1/4"JIC M-M-F)	
43.	TS01603301	2	ELBOW 90° (M/F 1/4"JIC)	
44.	TS05704217	2	NIPPLE (1"ORB-1"JIC)	
45.	TS01253841	1	NIPPLE (1-1/4"ORB - 1-1/2"JIC)	
46.	TS05020620	4	SPLIT FLANGES (SAE 6000 1-1/4"	
47.	TS30704150	2	O-RING (1-1/4")	
48.	TS05703376	3	NIPPLE (3/8"ORB - 1/4"JIC)	
49.	TS36400446	1	T-FITTING (1/4"JIC M-F-M)	
50.	TS43100150	3	T-FITTING (1/4"JIC M-M-F)	
51.	TS08200605	2	COUPLING (MCS 1/4"JIC)	COMBO BLOCK AUTOSTABILIZERS FITTINGS, E10-7300-027 INCL 'S REF NO.'S 55 THRU 62
52.	TS06000117	1	NIPPLE (1/4"JIC - 1/4"JIC BLKHD)	
53.	TS01254032	2	BULKHEAD UNION 45° (M/M 1-1/4"JIC)	
54.	TS01254025	1	BULKHEAD UNION 45° (M/M 1"JIC)	
55.	TS43100264	2	NIPPLE (1/2"ORB-1/4"JIC)	
56.	TS05802049	1	NIPPLE (3/4"ORB-1/2"JIC)	
57.	TS05903317	2	ADAPTOR (1/4"JIC - 1/2"JIC F)	
58.	TS01603301	1	ELBOW 90° (M/F 1/4"JIC)	
59.	TS02213037	1	EXAGON PLUG W/SEAL, FLUSH (1/2"ORB)	
60.	TS01254012	1	BULKHEAD UNION 45° (M/M 1/2"JIC)	
61.	TS05703375	2	NIPPLE (1/4"ORB - 1/4"JIC)	LOW PRESSURE MANIFOLD FITTINGS, E10-7300-028 INCL 'S REF NO.'S 63 THRU 72
62.	TS08200605	2	COUPLING (MCS 1/4"JIC)	
63.	TS05703393	2	NIPPLE (1"NPR - 1"JIC)	
64.	TS01063311	1	ELBOW 90° (M/M 1"NPT -1"JIC)	
65.	TS02203116	1	EXAGON PLUG (1"NPT)	
66.	TS01603308	1	ELBOW 90° (M/M 3/8NPT-3/8JIC)	
67.	TS05703394	1	NIPPLE (1-1/2NPT - 1-1/2JIC)	
68.	TS43100057	1	ELBOW 90° (M/M 1/4NPT-1/4JIC)	
69.	TS01603309	1	ELBOW 90° (M/M 1/2NPT-1/2JIC)	
70.	TS01603310	2	ELBOW 90° (M/M 3/4NPT-3/4JIC)	
71.	TS05903319	1	ADAPTOR (M/F 3/8JIC M-1/2JIC F)	
72.	TS01254012	1	BULKHEAD UNION 45° (M/M 1/2'JIC)	

NOT SHOWN:

FOOTNOTES:

NOTE:

TRACTOR FITTINGS SCHEMATIC

HT300

REF PART NO.	NUMBER	QTY	DESCRIPTION	REMARKS
73.	TS01603313	3	ELBOW 90° (M/M 1-1/2NPT-1-1/2JIC)	RADIATOR AND FILTER FITTINGS, E10-7300-029
74.	TS06500526	1	ADAPTOR (M/F 1-1/2"NPT-1"NPT)	INCL'S REF NO.'S 73 THRU 81
75.	TS01603311	1	ELBOW 90° (M/M 1"NPT-1"JIC)	
76.	TS05703402	1	NIPPLE (1"BSPP-1"JIC)	
77.	TS05700220	1	NIPPLE (1-1/4BSPP - 1-1/2JIC)	
78.	TS05903307	1	ADAPTOR (M/F 1-1/2NPT-1-1/2JIC)	
79.	TS05703394	1	NIPPLE (1-1/2NPT - 1-1/2JIC)	
80.	TS01603335	1	T-FITTING (2M-1M 1-1/2JIC - 1-1/2NPT)	
81.	TS05703386	2	NIPPLE (1-1/2ORB - 1-1/2JIC)	
82.	TS05703386	1	NIPPLE (1-1/2ORB - 1-1/2JIC)	EQUIP. CIRCUIT PUMP FITTINGS, E10-7300-030
83.	TS05703376	1	NIPPLE (3/8ORB - 1/4JIC)	INCL'S REF NO.'S 82 THRU 91
84.	TS43100150	1	T-FITTING (1/4JIC M-M-F)	
85.	TS05703375	2	NIPPLE (1/4ORB - 1/4JIC)	
86.	TS05700222	1	NIPPLE (1"ORB - 3/4"JIC)	
87.	TS01603341	1	T-FITTING (3/4"JIC M-M-F)	
88.	TS05903305	1	ADAPTOR (M/F 1/4JIC - 3/4JIC)	
89.	TS08200605	1	COUPLING (MCS 1/4JIC)	
90.	TS36400446	1	T-FITTING (1/4JIC M-F-M)	
91.	TS06000117	1	NIPPLE (1/4JIC-1/4JIC, BLKHD)	
92.	TS01603306	1	ELBOW 90° (M/M 3/4ORB-3/4JIC)	EQUIP. CIRCUIT VALVE FITTINGS, E10-7300-024
93.	TS05703375	2	NIPPLE (1/4ORB-1/4JIC)	INCL'S REF NO.'S 92 THRU 96
94.	TS05700217	1	NIPPLE (1"JIC-3/4"ORB)	
95.	TS01603329	1	ELBOW 90° (M/F 1"JIC)	
96.	TS02203310	2	EXAGON PLUG (1/2"ORB)	
97.	TS05802037	16	NIPPLE (1/4" GAS - 1/4JIC)	
98.	107-357	8	SCREW (M10-1.25 X 35mm)	TS41110035
99.	107-357	8	SCREW (M10-1.25 X 35mm)	TS41110035
100.	105-132	8	BOLT (7/16-NC X 1-1/2")	TSU40111038
101.	105-132	8	BOLT (7/16-NC X 1-1/2")	TSU40111038
102.	105-229	8	BOLT (1/2-NC X 2")	TSU40113051

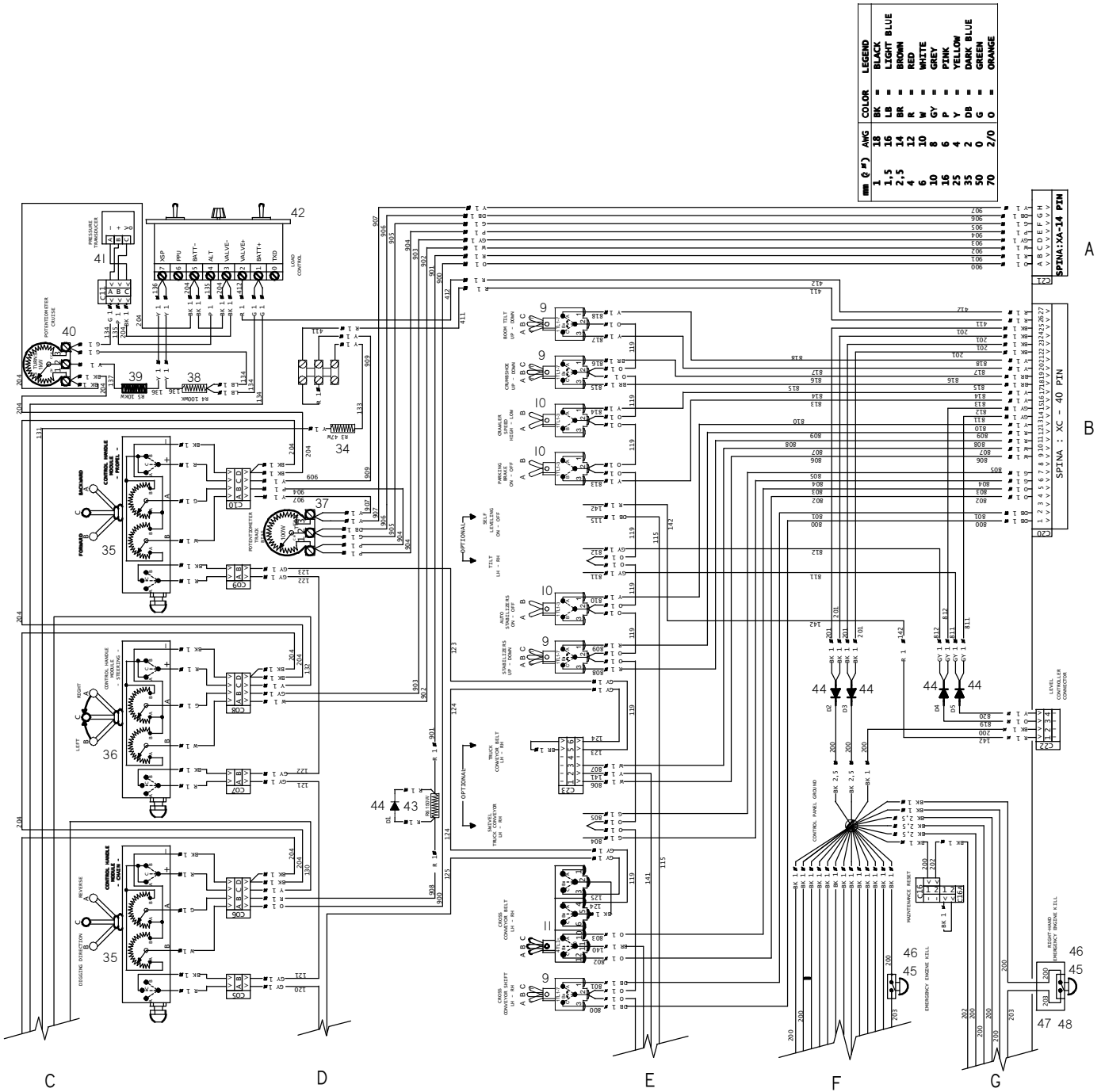
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FOOTNOTES:

NOTE:

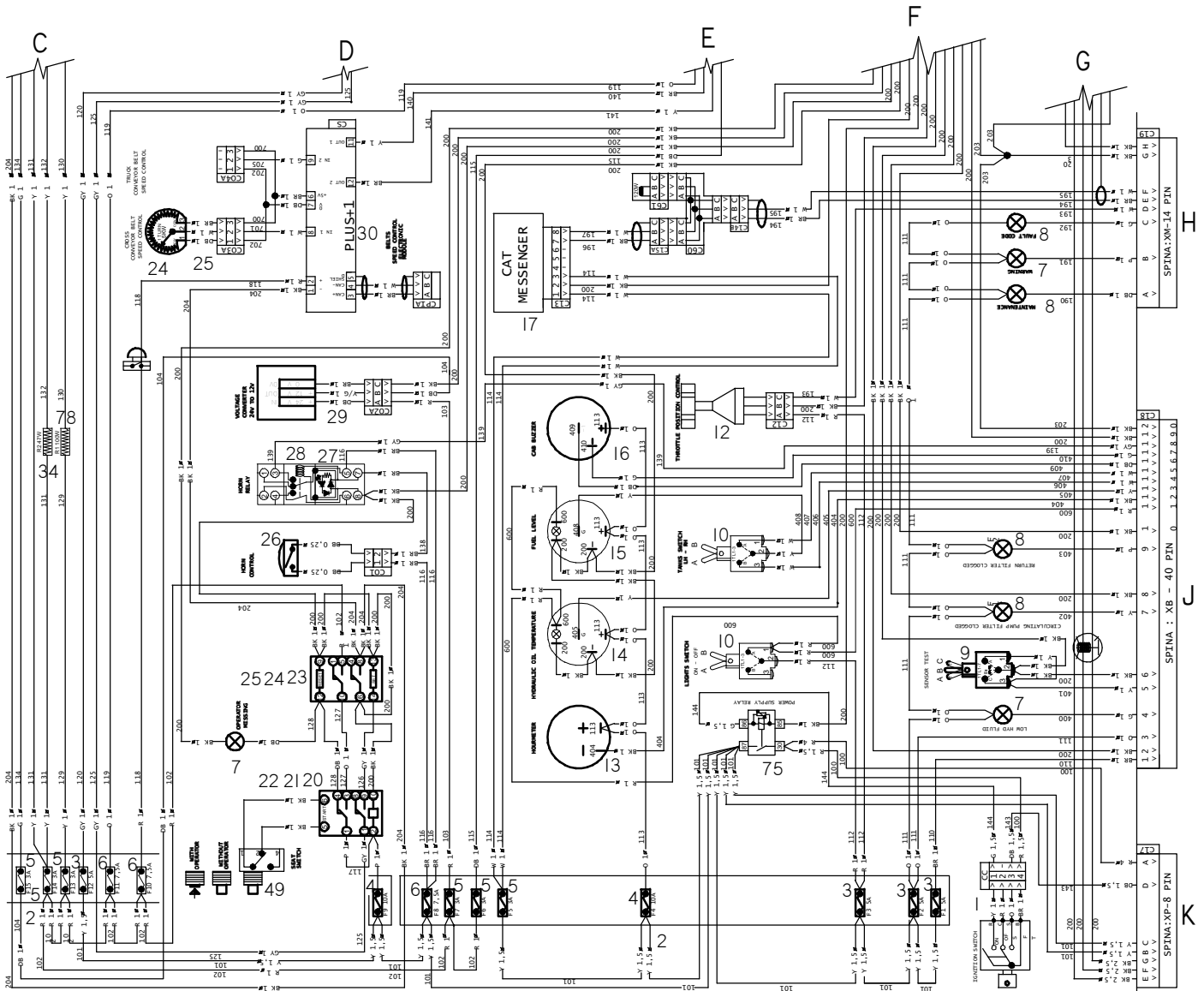
ELECTRICAL

ELECTRICAL SCHEMATIC HT300

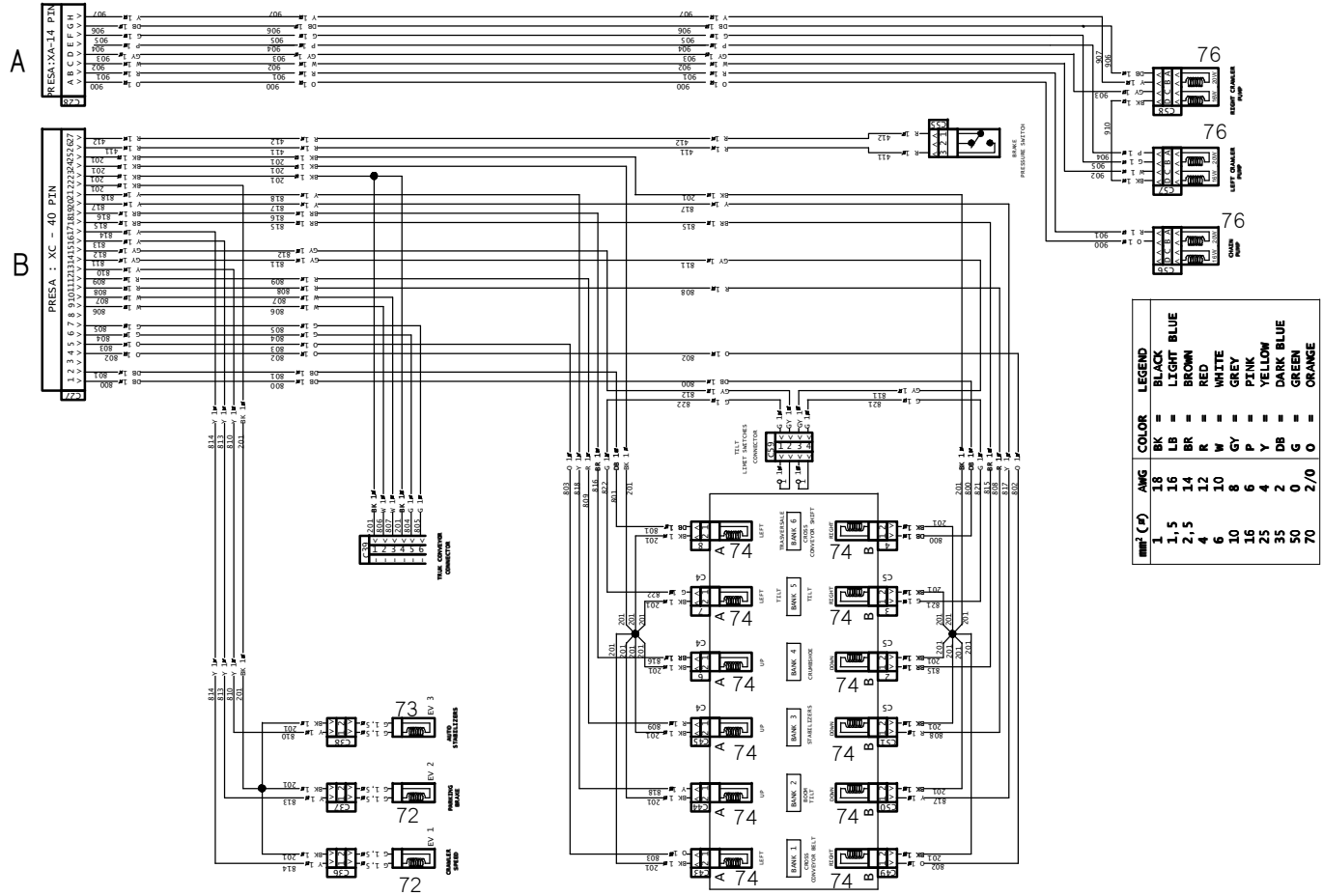


mm (Q #)	ANG	COLOR	LEGEND
1	18	BK	BLACK
1.5	16	LB	LIGHT BLUE
2.5	14	BK	BROWN
6	12	K	WHITE
10	10	K	WHITE
16	8	GY	GREY
25	6	P	PINK
35	4	Y	YELLOW
50	2	DB	DARK BLUE
70	0	G	GREEN
	2/0	O	ORANGE

ELECTRICAL SCHEMATIC HT300

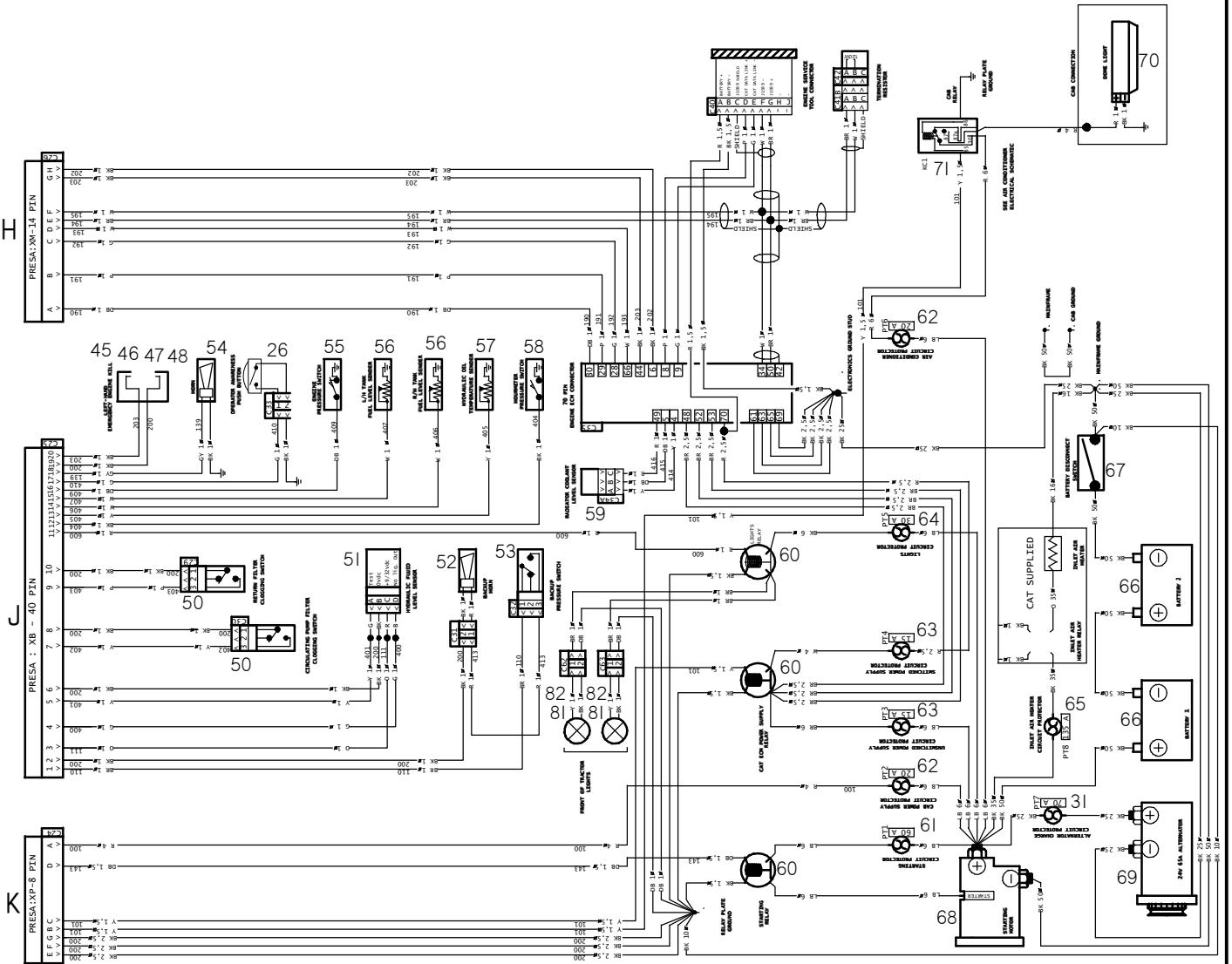


ELECTRICAL SCHEMATIC HT300



REF: E10-2200-802

ELECTRICAL SCHEMATIC HT300



ELECTRICAL SCHMETIC

HT300

REF PART NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSV00-8401-008	1	IGNITION SWITCH	
2.	TST00-8400-105	2	8-WAY HOUSING, FUSE PANEL	
3.	TS09101381	4	5 AMP FUSE	
4.	TS09101043	2	10 AMP FUSE	
5.	TS09101761	6	3 AMP FUSE	
6.	TS09100578	3	7.5 AMP FUSE	
7.	TS09101476	3	LED DIODE, RED	
8.	TS09101473	4	LED DIODE, YELLOW	
9.	TST00-8400-064	5	SWITCH, 1-POLE	3 MOMENTARY POSITIONS, ON/OFF/ON
10.	TST00-8400-073	5	SWITCH, 1-POLE	2 FIXED POSITIONS, ON/ON
11.	TST00-8400-111	1	SWITCH, 4-POLE	3 FIXED POSITIONS, ON/OFF/ON
12.	TST00-8500-071	1	ELEC. ENG. THROTTLE CONTRÖLLER	
13.	TS09102215	1	12/24 VDC HOURMETER	
14.	TS09102121	1	OIL TEMP. GAUGE 50°/150°C (24VDC)	
15.	TS09100721	1	FUEL LEVEL GAUGE (24VDC)	
16.	TS09100744	1	BUZZER, 12/24 VDC, 85dB	
17.	T00-8600-148	1	CAT MESSENGER MODULE	
18.	T00-8400-051	1	LATCHING RELAY (24 VDC)	
19.	T00-8400-046	1	LATCHING RELAY BASE	
20.	T00-8400-097	1	HOLD DOWN, LATCHING RELAY BASE	
21.	TST00-8400-152	1	TIMER RELAY (24VDC)	
22.	TST00-8400-100	1	TIMER RELAY BASE	
23.	TST00-8400-101	1	TIMER RELAY RETAINER	
24.	TST00-8400-059	1	PUSH BUTTON SWITCH	
25.	TST00-8400-005	1	2-CONTACT 10AMP RELAY (24VDC)	
26.	TST00-8400-006	1	2-CONTACT RELAY BASE + RETAINER	
27.	TS09105041	1	VOLTAGE CONVERTER	IN=24 VDC, OUT=12 VDC 3AMP
28.	TST00-8500-104	1	ELECTRONIC MODULE	BELT SPEED CONTROL
29.	TSV00-8401-002	1	CAT CIRCUIT PROTECTOR, 70AMP	
30.	TS09102617	1	POTENTIOMETER, 1-TURN, 5 Kohm	
31.	TS09100668	1	POTENTIOMETER KNOB	
32.	TS09105081	2	RESISTOR, 47ohm 25 w	
33.	TST00-8500-038	2	FRICTION DETENT CONTROL HANDLE	
34.	TST00-8500-037	1	SPRING CENTER CONTROL HANDLE	
35.	TS365-2210-006	1	PONTENTIOMETER, 1-TURN, 100 ohm	
36.	TST00-8400-009	1	RESISTOR, 100 Kohm 2 w	
37.	TST00-8400-008	1	RESISTOR, 10 Kohm 2 w	
38.	TS365-2210-004	1	POTENTIOMETER, 3-TURN, 1 Kohm	
39.	TST00-8500-025	1	PRESSURE TRANSDUCER	12-32 VDC, OUT=4-6.5 VDC
40.	TST00-8500-023	1	LOAD CONTROL	
41.	TS09105082	1	RESISTOR, 150 ohm 25 w	
42.	TS09100248	5	DIODE, BY 255	

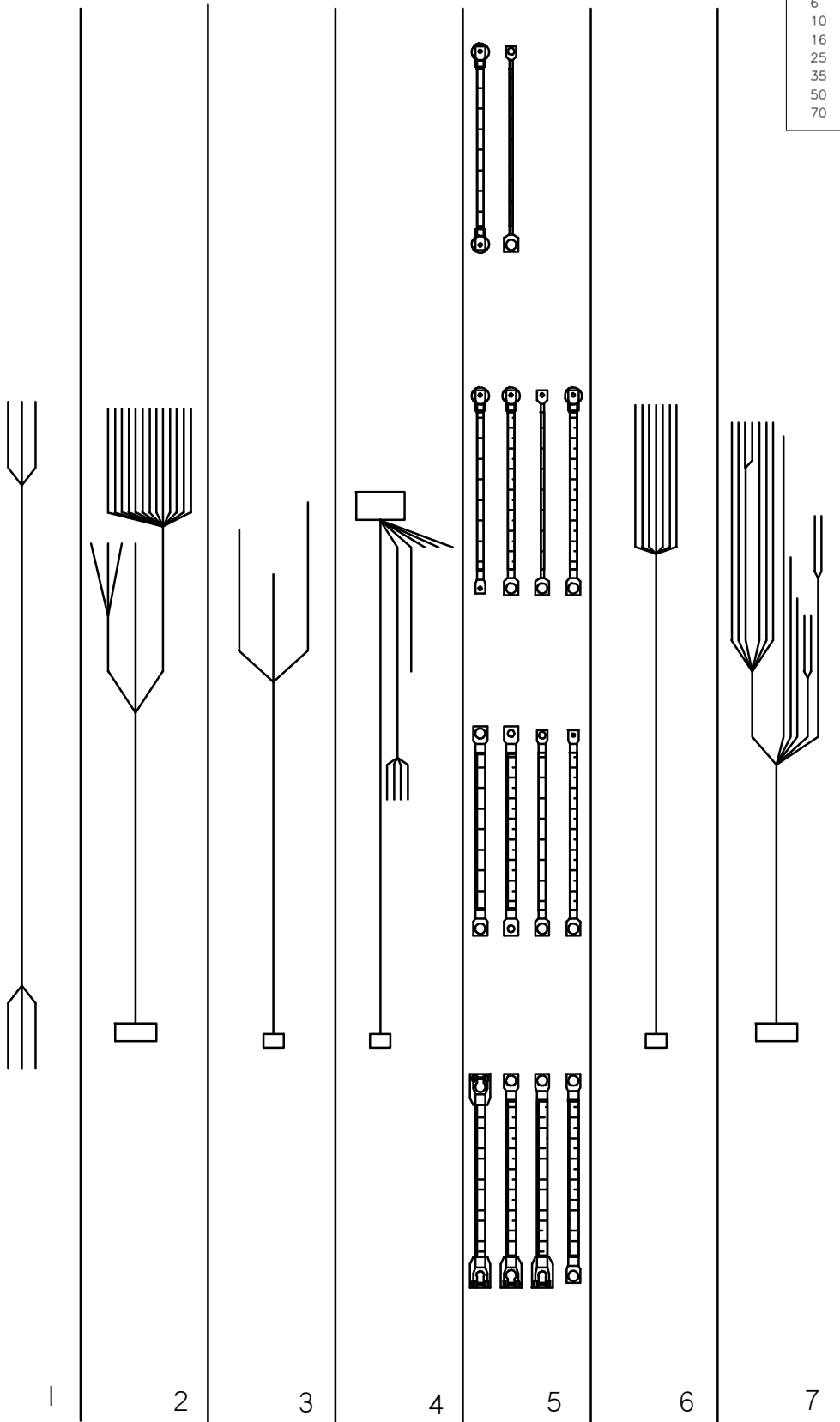
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FOOTNOTES:

NOTE:
REF: E10-2200-802

WIRING HARNESS ASSEMBLY HT300

mm ² (AWG)	AWG	COLOR	LEGEND
1	18	BK	= BLACK
1,5	16	LB	= LIGHT BLUE
2,5	14	BR	= BROWN
4	12	R	= RED
6	10	W	= WHITE
10	8	GY	= GREY
16	6	P	= PINK
25	4	Y	= YELLOW
35	2	DB	= DARK BLUE
50	0	G	= GREEN
70	2/0	O	= ORANGE



WIRING HARNESS ASSEMBLY

HT300

REF PART				
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	TSE10-2220-801	1	WIRING HARNESS A/C	
2.	TSE10-2220-811	1	WIRING HARNESS	EQUIPMENT CIRCUIT CONTROL VALVE
3.	TSE10-2220-803	1	WIRING HARNESS PUMPS	
4.	TSE10-2220-804	1	WIRING HARNESS ENGINE	
5.	TSE10-2220-805	1	WIRING HARNESS POWER SUPPLY	
6.	TSE10-2220-806	1	WIRING HARNESS RELAY PLATE	
7.	TSE10-2220-807	1	WIRING HARNESS SENSORS	

NOT SHOWN:

FOOTNOTES:

NOTE:
REF: E10-2220-812

ELECTRICAL SCHMETIC

HT300

REF PART NO.	NUMBER	QTY	DESCRIPTION	REMARKS
43.	TS09103179	3	EMERGENCY STOP SWITCH, HEAD	
44.	TS09105180	3	EMERGENCY STOP SWITCH	BODY + N.O. CONTACT
45.	TS09103180	2	EMERGENCY STOP BOX	
46.	TS09100941	2	EMERGENCY STOP CIRCULAR LEGEND	
47.	TS36402144	1	SEAT SWITCH	
48.	TSV00-8603-001	2	CLOGGING SWITCH	
49.	TST00-8600-087	1	HYD. FLUID LEVEL SENSOR	
50.	TS09105039	1	BACKUP HORN, 24 VDC, 112dB	
51.	TSV00-8603-003	1	PRESSURE SWITCH, 350 bar 1/4NPT	
52.	TS09105040	1	HORN, 24 VDC, 112dB	
53.	TS09105128	1	PRESSURE SWITCH, 0.4bar N.C. (M10X1)	
54.	TS09105025	2	FUEL LEVEL SENDER L=521.5	
55.	TS09102219	1	TEMPERATURE SENDER	12/24 VDC, MAX 150°C (M14-1.5)
56.	TS09105129	1	PRESSURE SWITCH, 0.4bar N.O. (M10X1)	
57.	TSV00-8510-001	1	CAT COOLANT LEVEL SENSOR 7/30 VDC	
58.	TS09101189	3	SOLENOID RELAY, 24 VDC	1-CONTACT N.O. 80AMP
59.	TSV00-8401-004	1	CAT CIRCUIT PROTECTOR, 60AMP	
60.	TSV00-8401-006	2	CAT CIRCUIT PROTECTOR, 20AMP	
61.	TSV00-8401-005	2	CAT CIRCUIT PROTECTOR, 15AMP	
62.	TSV00-8401-007	1	CAT CIRCUIT PROTECTOR, 30AMP	
63.	TSV00-8401-004	1	CAT CIRCUIT PROTECTOR, 135AMP	
64.	TSV00-4700-001	2	BATTERY, 12VDC, 180Ah, 1100AMP	
65.	TS09104160	1	BATTERY DISCONNECT SWITCH	
66.	TSV00-4510-016	1	STARTING MOTOR, 24VDC	
67.	TSV00-4510-015	1	ALTERNATOR, 24VDC, 65AMP	
68.	TS09102310	1	DOME LIGHT, 2 X 21W, 24 VDC	
69.	TS09100119	1	SOLENOID RELAY, 24VDC	1-CONTACT, 10/20AMP
70.	TS07310103	2	SOLENOID VALVE, 24VDC	COMBINATION BLOCK VALVE
71.	TS07310104	1	SOLENOID VALVE, 24VDC	COMBINATION BLOCK VALVE
72.	TS07310109	12	SOLENOID VALVE, 24VDC	EQUIPMENT CIRCUIT CONTROL VALVE
73.	TSV00-8603-002	1	PRESSURE SWITCH, 50bar, 1/4NPT	
74.	TS13500065	3	ELECTRIC COIL ASSEMBLY	
75.	TS09102156	2	HALOGEN LAMP, HC 24V 70W	
76.	TS09105152	1	RESISTOR, 100 ohm, 25W	
77.	TS09105154	1	SOLENOID RELAY, 24 VDC	1-CONTACT N.O. 50AMP
78.	TS0901445	2	LIGHT HOUSING	

NOT SHOWN:
 TS09101018 2 DIODES + RESISTORS BASE

FOOTNOTES:

NOTE:
 REF: E10-2200-802

MISCELLANEOUS

SAE Bolt and Nut Torque Value Chart

Grade 5: UNC or UNF Thread

Size	Hex nut, or bolt tapped into hex nut, or d&t hole		Hex top deformed locknut		Flange nut, locknut, or bolt tapped into flange nut or d&t* hole	
	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m
1/4	12	16	8	11	20	27
5/16	25	34	15	20	45	60
3/8	40	54	25	34	75	100
7/16	65	90	40	55	125	170
1/2	100	135	60	80	190	260
9/16	150	200	90	125	270	370
5/8	200	270	120	165	370	500
3/4	350	475	210	285	650	880
7/8	560	760	340	460	1250	1425
1	840	1140	500	680	1580	2145
1-1/8	1030	1400	320	840	1950	3645
1-1/4	1460	1980	880	1195	2760	3475

Grade 8: UNC or UNF Thread

Size	Hex nut, or bolt tapped into hex nut, or d&t hole		Hex top deformed locknut		Flange nut, locknut, or bolt tapped into flange nut or d&t* hole	
	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m
1/4	14	19	10	14	24	33
5/16	30	40	18	25	50	70
3/8	55	73	35	50	90	125
7/16	85	115	50	70	140	190
1/2	130	175	80	110	220	300
9/16	190	260	110	150	310	420
5/8	260	355	160	245	430	585
3/4	450	610	270	365	750	1015
7/8	730	990	440	600	1210	1640
1	1090	1480	650	880	1320	2465
1-1/8	1550	2100	930	1260	2580	3500
1-1/4	2180	2955	1310	1780	3640	4935

*drilled and tapped

Metric Bolt and Cap Screw Torque Values

Size	Class 4.8				Class 8.8 and 9.8				Class 10.9				Class 12.9			
	Lubricated		Dry		Lubricated		Dry		Lubricated		Dry		Lubricated		Dry	
	N•m	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m	ft•lb
M6	4.8	3.5	6	4.5	9	6.5	11	8.5	13	9.5	17	12	15	11.5	19	14.5
M8	12	8.5	15	11	22	16	28	20	32	24	40	30	37	28	47	35
M10	23	17	29	21	43	32	55	40	63	47	80	60	75	55	95	70
M12	40	29	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	47	80	60	120	88	150	110	175	130	225	165	205	150	260	190
M16	100	73	125	92	190	140	240	175	275	200	350	225	320	240	400	300
M18	135	100	175	125	260	195	330	250	375	275	475	350	440	325	560	410
M20	190	140	240	180	375	275	475	350	530	400	675	500	625	460	800	580
M22	260	190	330	250	510	375	650	475	725	540	925	675	850	625	1075	800
M24	330	250	425	310	650	475	825	600	925	675	1150	850	1075	800	1350	1000
M27	490	360	625	450	950	700	1200	875	1350	1000	1700	1250	1600	1150	2000	1500
M30	675	490	850	625	1600	950	1650	1200	1850	1350	2300	1700	2150	1600	2700	2000
M33	900	675	1150	850	1750	1300	2200	1650	2500	1850	3150	2350	2900	2150	3700	2750
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2750	4750	3500

Do not use these values if a different torque value or tightening procedure is given for specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical property class fasteners.

Fasteners should be replaced with the same or higher property class. If higher property class fasteners are used, these should only be tightened to strength of original.

Make sure fastener threads are clean and that the threads are properly started. This will prevent them from cross threading or galling when tightened.

Tighten plastic insert or crimped type steel locknuts to approximately 50% of dry torque indicated on chart. Apply torque to the nut - not the bolt head. Tighten toothed or serrated type locknuts to full torque value.

LUBRICATED means coated with lubricant. DRY means plain or zinc plated without any type of lubricant.

Hydraulic Cylinder Bolt Torque Chart

Bolt Size (inch)	Bolt Part No.	Cylinder Repair Kit Part No.	Torque (ft•lb)	Torque (N•m)
1/2	106-096	190-165	90-100	120-135
5/8	106-097	190-166 & 190-169	180-200	245-270
3/4	106-098	190-167 & 190-170	290-325	395-440
7/8	106-122	190-172 & 190-174	410-640	550-625
1	106-145	190-175 & 190-189	630-700	855-950
1-1/8	106-146	190-177	770-850	1045-1170

As a general rule:

- 1/2-inch bolts are used in cylinders with 1-inch rods
- 5/8-inch bolts are used in cylinders with 1 1/4-inch rods
- 3/4-inch bolts are used in cylinders with 1 1/2-inch rods
- 7/8-inch bolts are used in cylinders with 1 3/4-inch rods
- 1-inch bolts are used in cylinders with 2-inch rods (one with 1 3/4-inch)
- 1-1/8-inch bolts are used in cylinders with 2-1/4-inch rods

IMPORTANT: Do not reuse cylinder piston bolts when rebuilding a hydraulic cylinder. Each cylinder repair kit contains a new bolt. Use it. Lubricate lightly and torque to value shown on chart.

SAE & ORS Hydraulic Fitting Replacement O-Ring Chart

Fraction Size	Dash Size	SAE (Port Seal O-Ring)		ORS (Face Seal O-Ring)	
		Thread Size	O-Ring P/N	Thread Size	O-Ring P/N
1/16	1	NA	NA	NA	NA
1/8	2	5/16 - 24	NA	NA	NA
3/16	3	3/8 - 24	NA	NA	NA
1/4	4	7/16 - 20	155-760	9/16 - 18	157-037
5/16	5	1/2 - 20	NA	NA	NA
3/8	6	9/16 - 18	155-705	11/16 - 16	157-038
1/2	8	3/4 - 16	155-706	13/16 - 16	157-039
5/8	10	7/8 - 14	155-707	1 - 14	157-040
3/4	12	1-1/16 - 12	155-709	1-3/16 - 12	157-017
7/8	14	1-3/16 - 12	155-747	NA	NA
1	16	1-5/16 - 12	155-748	1-7/16 - 12	155-714
1-1/4	20	1-5/8 - 12	155-702	1-11/16 - 12	NA
1-1/2	24	1-7/8 - 12	157-001	2 - 12	NA
2	32	2-1/2 - 12	NA	NA	NA
2-1/2	40	3 - 12	NA	NA	NA
3	48	3-1/2 - 12	NA	NA	NA

Thread size indicates the diameter of the threaded area in fractions of an inch and number of threads per inch.

NA = not a current CMW part numbered o-ring, or dash size does not occur in current CMW applications

SAE = straight thread fitting that seals by sandwiching a hard o-ring between a shoulder on the male part and an angular surface at the mouth of the female port.

ORS = o-ring face seal; a type of fitting that seals by compressing a hard, captive o-ring between two flat parallel faces, one grooved for the o-ring and the other plain to act as the sealing surface

HT300

Related Publications

Component	Ass'y	P/N
Model:		
HT300	Parts Manual	053-1349
HT300.....	Operators Manual	053-1328
HT300	Repair Guide (Service Manual)	N/A
HT300	Technical Supplement.....	N/A
Engine:		
Cummins.....	Parts Manual.....	N/A

Filters

Engine:	
Filter Parts Ass'y	TSV00-4505-005
Element (primary)	TSV00-4505-014
Element (secondary).....	TSV00-4505-013
Fuel Filter Element.....	TSV00-4510-020
Oil Filter Element	TSV00-4510-021
Fuel:	
Fuel/Water Separator	TSV00-4510-006
Fuel Filter Cartridge	TSV00-4500-008
Hydraulic:	
Hyd. Filter Cartridge	TSV00-6600-116
Hyd. Filter Cartridge	TSV00-6600-118
Oil Filter Element	TSV00-6600-001
Oil Filter Element	TSV00-6600-003
Air Condition:	
AC Drier	TSV00-1800-008
AC Filter Element	TSV00-1800-019
Evaporator Filter Element	TSV00-1800-018



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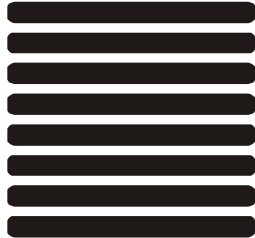
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