

OPERATION AND PARTS MANUAL



***WHITEMAN* SERIES MODEL HTH44T RIDE-ON POWER TROWEL (KUBOTA V1505 DIESEL ENGINE)**

Revision #8 (03/27/12)

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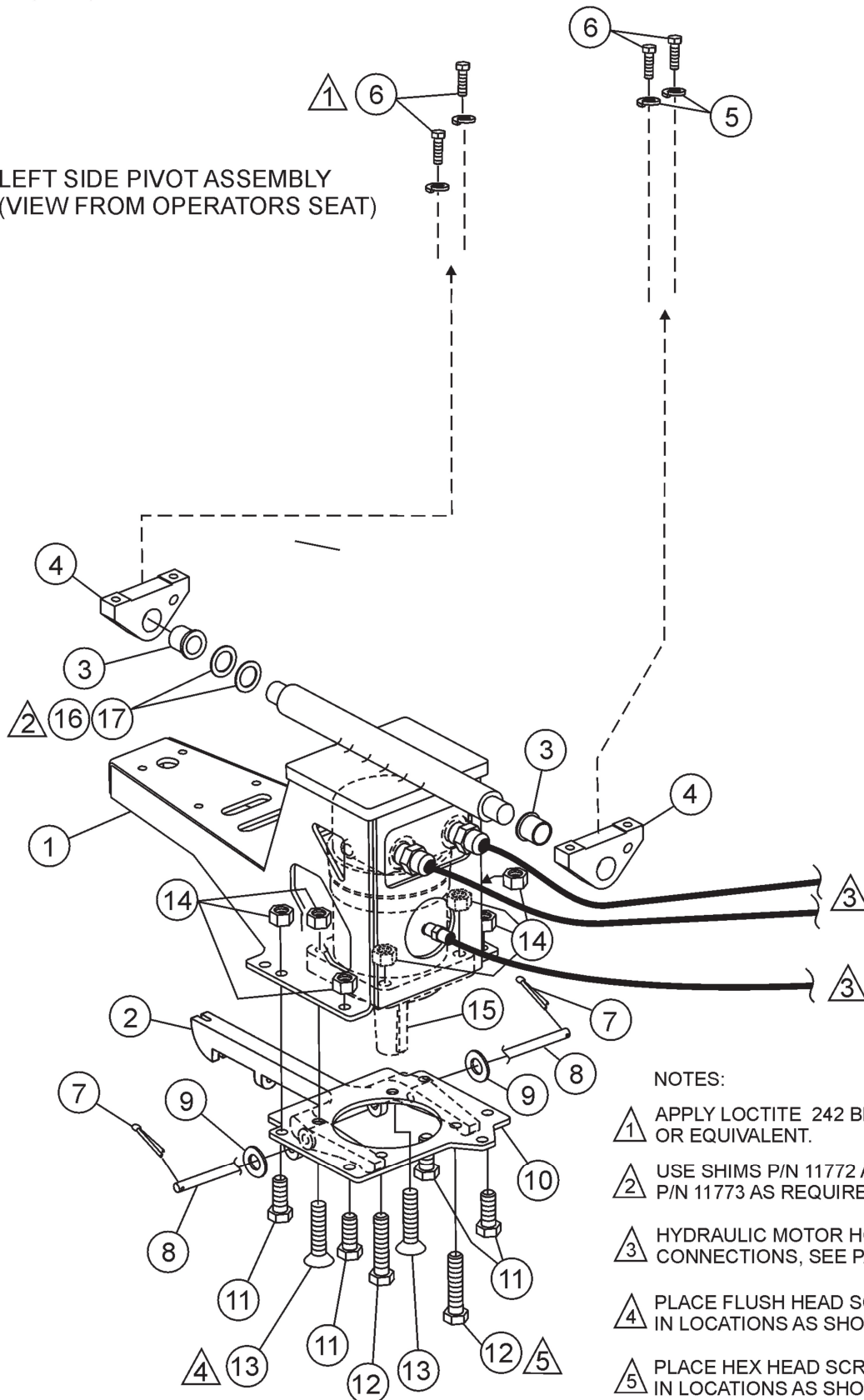


THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

P/N 20210

PIVOT ASSY. (LEFT)

LEFT SIDE PIVOT ASSEMBLY
(VIEW FROM OPERATORS SEAT)



NOTES:

- ① APPLY LOCTITE 242 BLUE OR EQUIVALENT.
- ② USE SHIMS P/N 11772 AND P/N 11773 AS REQUIRED
- ③ HYDRAULIC MOTOR HOSE CONNECTIONS, SEE PAGE 54.
- ④ PLACE FLUSH HEAD SCREWS IN LOCATIONS AS SHOWN.
- ⑤ PLACE HEX HEAD SCREWS IN LOCATIONS AS SHOWN.

HTH44T— PIVOT ASSY. (LEFT)

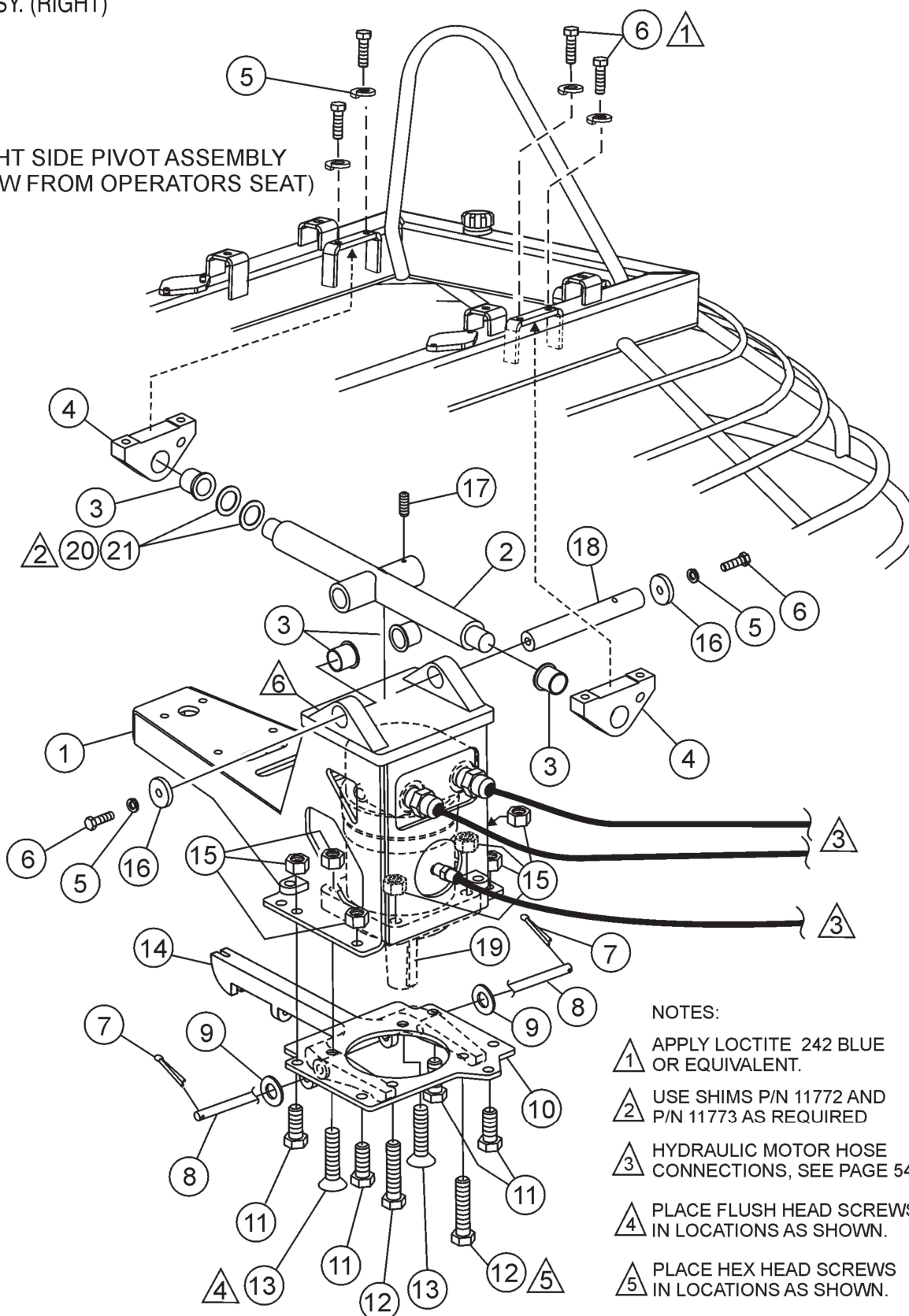
PIVOT ASSY. (LEFT)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	12968	MOUNT, HYD. MOTOR LEFT	1	
2	11499	YOKE	1	
3	10221	BUSHING	2	
4	11555	ROCKER BLOCK	2	
5	0166A	WASHER, LOCK 3/8 MED.	4	
6	1023	SCREW, HHC 3/8- 16 X 1- 1/4	4	
7	0183	PIN,COTTER 1/8 1- 1/4	2	
8	11648	PIN, PIVOT	1	
9	0448	WASHER, FLAT 7/16 SAE	2	
10	12983	MOUNT, HYD. MOTOR BOTTOM	1	 DOES NOT INCL ITEM 2, YOKE
11	3214	SCREW, HHC 1/2- 13 X 1- 1/4	4	
12	13178	SCREW, HHC 1/2- 13 X 2 1/4	2	
13	11882	SCREW, FHSC 1/2- 13 X 2 1/4	2	
14	10176	NUT, NYLOC 1/2- 13	8	
15	20002	MOTOR, EATON VIS30 24CID	1	
16	11772	SHIM	AR	
17	11773	SHIM	AR	

HTH44T— PIVOT ASSY. (RIGHT)

PIVOT ASSY. (RIGHT)

RIGHT SIDE PIVOT ASSEMBLY
(VIEW FROM OPERATORS SEAT)



NOTES:

- ① APPLY LOCTITE 242 BLUE OR EQUIVALENT.
- ② USE SHIMS P/N 11772 AND P/N 11773 AS REQUIRED
- ③ HYDRAULIC MOTOR HOSE CONNECTIONS, SEE PAGE 54.
- ④ PLACE FLUSH HEAD SCREWS IN LOCATIONS AS SHOWN.
- ⑤ PLACE HEX HEAD SCREWS IN LOCATIONS AS SHOWN.
- ⑥ SADDLE ASSY. IS WELDED TO MOTOR MOUNT.

HTH44T— PIVOT ASSY. (RIGHT)

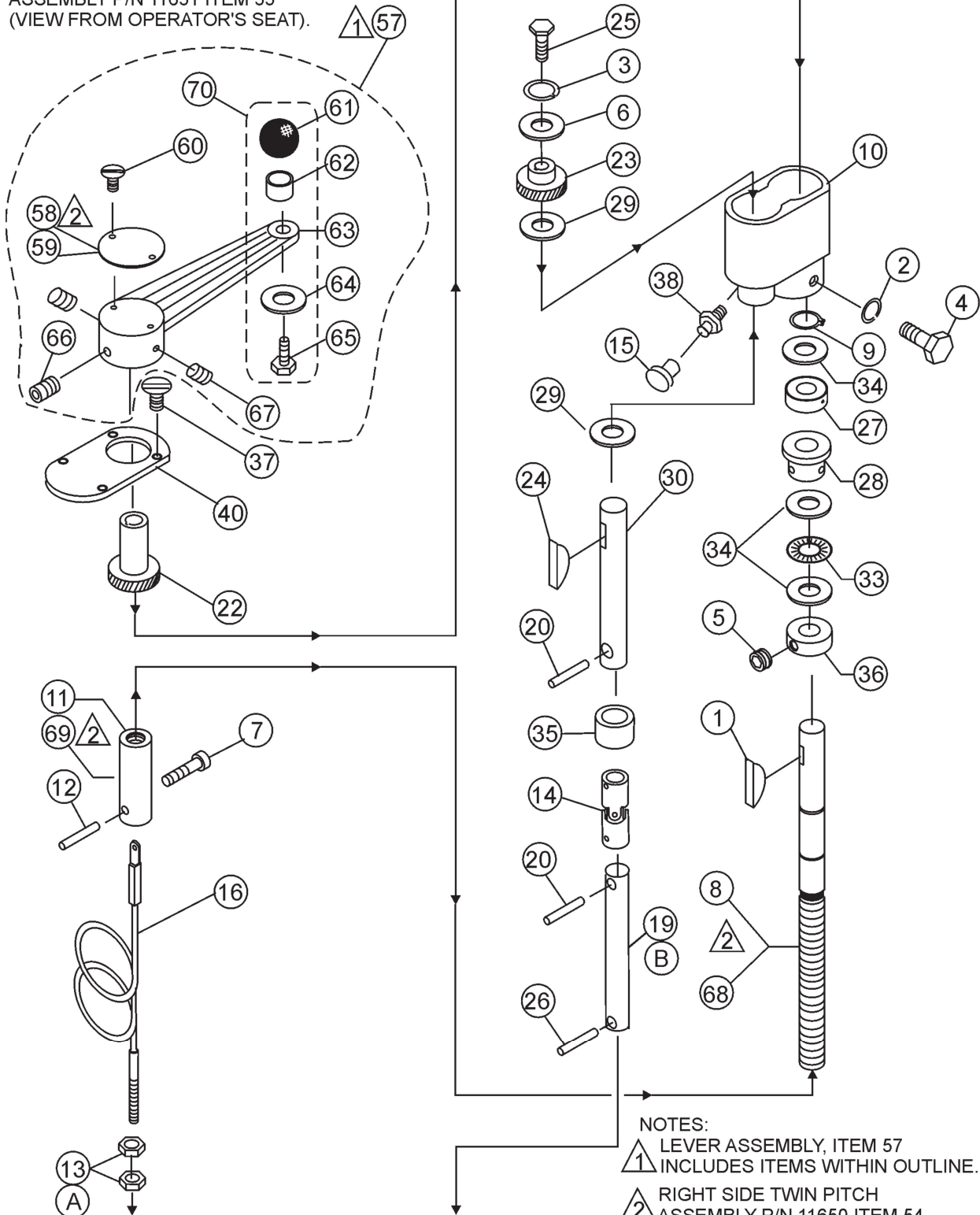
PIVOT ASSY. (RIGHT)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	12967	MOUNT, HYD. MOTOR RIGHT	1	
2	11450	TRUNNION	1	
3	10221	BUSHING	4	
4	11555	ROCKER BLOCK	2	
5	0166A	WASHER, LOCK 3/8 MED.	6	
6	1023	SCREW, HHC 3/8- 16 X 1- 1/4	6	
7	0183	PIN, COTTER 1/8 1- 1/4	2	
8	11648	PIN, PIVOT	1	
9	0448	WASHER, FLAT 7/16 SAE	2	
10	12983	MOUNT, HYD. MOTOR BOTTOM	1	 DOES NOT INCLUDE ITEM 14
11	3214	SCREW, HHC 1/2- 13 X 1- 1/4	4	
12	13178	SCREW, HHC 1/2- 13 X 2 1/4	2	
13	11882	SCREW, FHSC 1/2- 13 X 2 1/4	2	
14	11499	YOKE	1	
15	10176	NUT, NYLOC 1/2- 13	8	
16	11154	RETAINER, CLUTCH	2	
17	10138	SCREW, SHS 1/4- 20 X 1/2, N.P.	1	
18	11420	SHAFT, PIVOT	1	
19	20002	MOTOR, EATON VIS30 24CID	1	
20	11772	SHIM	AR	
21	11773	SHIM	AR	

HTH44T—TWIN PITCH ASSY. (LEFT/RIGHT)

LEFT/RIGHT TWIN PITCH ASSY.

LEFT SIDE TWIN PITCH TOWER
ASSEMBLY P/N 11651 ITEM 55
(VIEW FROM OPERATOR'S SEAT).



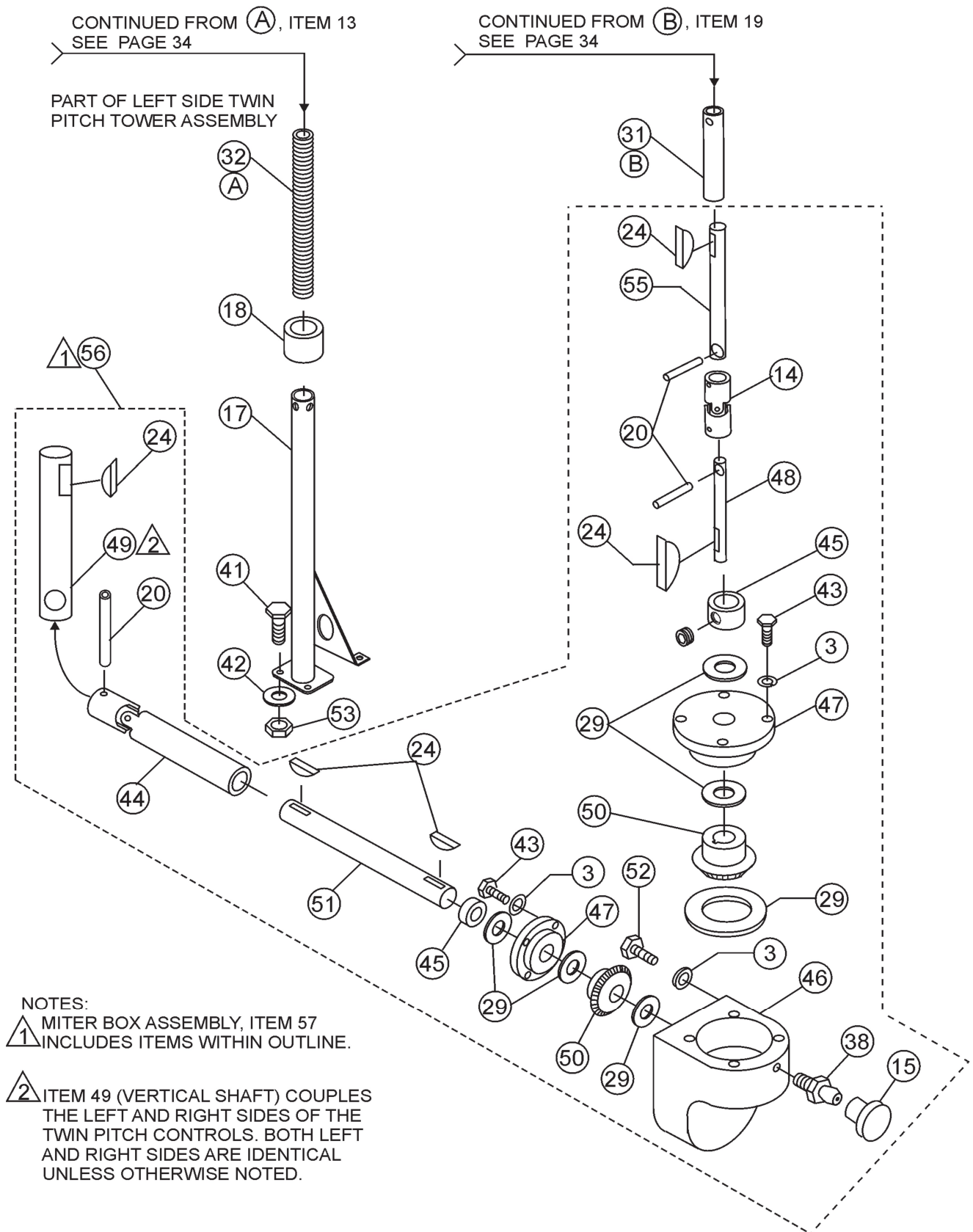
CONTINUED ON PAGE 35
SEE (A), ITEM 32.

CONTINUED ON PAGE 35
SEE (B), ITEM 31.

- NOTES:
- 1 LEVER ASSEMBLY, ITEM 57
INCLUDES ITEMS WITHIN OUTLINE.
 - 2 RIGHT SIDE TWIN PITCH
ASSEMBLY P/N 11650 ITEM 54
IS IDENTICAL TO LEFT SIDE
TWIN PITCH ASSEMBLY UNLESS
OTHERWISE NOTED.

HTH44T—TWIN PITCH ASSY. (LEFT/RIGHT)

LEFT/RIGHT TWIN PITCH ASSY.



HTH44T—TWIN PITCH ASSY. (LEFT/RIGHT)

LEFT/RIGHT TWIN PITCH ASSY.

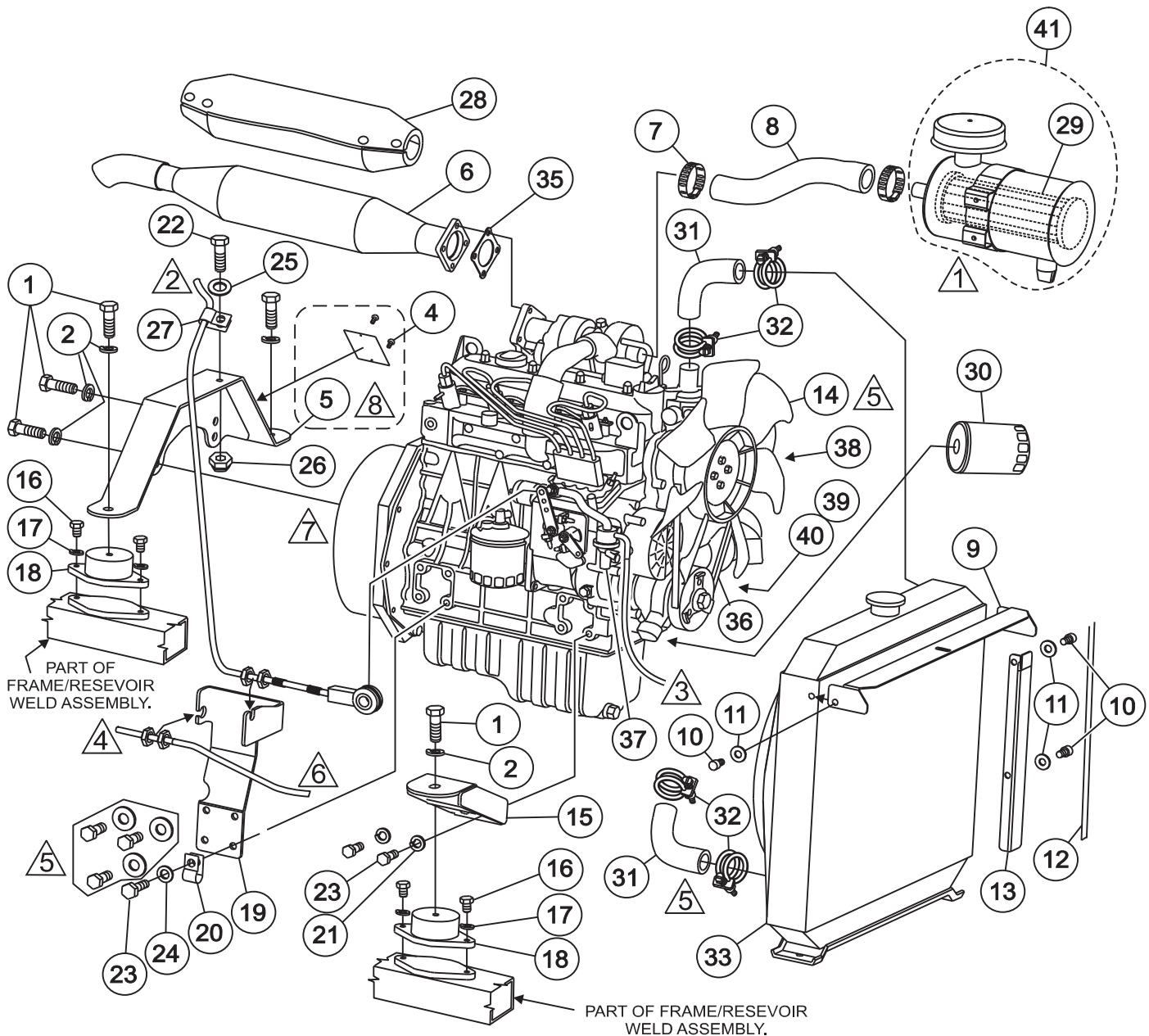
<u>NO</u>	<u>PART NO</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1+%	0126 B	KEY, WOODRUFF #9	1	
2+%	0161C	WASHER, LOCK 5/16 MED	3	
3+%	0181 B	WASHER, LOCK, 1/4 MED	1	
4+%	0655	SCREW, HHC 5/16 – 18 X 3/4	3	
5+%	0685	SCREW, SHS 5/16 – 18 X 5/16	1	
6+%	0948	WASHER, FLAT, 1/4 SAE	1	
7+%	10382	BOLT, SHOULDER, 3/8 X 3/8 LONG	1	
8+	10511	SHAFT, PITCH CONTROL, LH TPC	1	
9+%	10512	RING, SNAP, TRUARC 5160 – 75	1	
10+%	10546	HOUSING, PITCH CONTROL, 1-3/4	1	
11+	10722	SLIDE BLOCK, LH PITCH CON	1	
12+%	10723	PIN, SPIROL 3/16 X 1 3/8 HD	1	
13+%	1116	NUT, BRASS JAM 5/16 – 18	2	
14+%	11583	U-JOINT, PITCH CONTROL	1	
15+%	1162 A	CAP, GREASE ZERK, #2 YELLOW	1	
16+%	11623	CABLE, PITCH ASM	1	
17	11630	TUBE, PITCH CONTROL	1	
18	11649	SPACER, PITCH SPRING	1	
19+%	11652	SHAFT, TWIN PITCH	1	
20+%	11654	PIN, ROLL 1/8 Z 1 PLATED	2	
22+%	1529	GEAR, MASTER, TPC	1	
23+%	1530	GEAR, SLAVE, TPC	1	
24+%	1578	KEY, WOODRUFF, #3	1	
25+%	1579	SCREW, HHC 1/4 – 20 X 1/2	1	
26+%	1586	PIN, ROLL 1/8 X 3/4	1	
27+%	1604	BEARING, BALL	1	
28+%	1612	BEARING, ALUM – PITCH CONTR	1	
29+%	1733	WASHER, 1/32 X 1/2 HARDENED	6	
30+%	2007	SHAFT	1	
31	2012	SLEEVE, ADJ – LONG, RIDER	1	
32	2156	SPRING, COIL	1	
33+%	2169	BEARING, THRUST, TORR #NTA 1220	1	
34+%	2170	BEARING, RACE, TORR #TRA 1220	3	
35+%	2311	SPACER, 3/4 X 1/2 X 8L	1	
36+%	2367	SET COLLAR	1	
37+%	2620	SCREW, BHC 10 – 24 X 5/8	4	
38+%	2621	ZERK, GREASE STR 1/4 – 28	1	
40+%	2649	COVER, PITCH CONT HOUSING	1	

HTH44T—TWIN PITCH ASSY. (LEFT/RIGHT)

LEFT/RIGHT TWIN PITCH ASSY.

<u>NO</u>	<u>PART NO</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
41	0202	SCREW, HHC 5/16 – 18 X 1	8	
42	0300 B	WASHER, FLAT, 5/16 SAE	8	
43*	0730	SCREW, HHC 1/4 – 20 X 1	16	
44*	11653	SLEEVE, W/U-JOINT	1	
45*	1577	SET COLLAR, 1/2	4	
46*	1987	MITER BOX, PITCH CONTROL	2	
47*	1988	MIT BOX, BEARING CAP RIDERS	4	
48*	2021	SHAFT, MITER VERT JRT	2	
49*	2022	SHAFT, MITER VERTICAL	3	
50*	2062	GEAR, MITER, TPC	4	
51*	2845	SHAFT, MITER BOX HORIZ	1	
52*	4514	SCREW, HHC 1/4 – 20 X 5/8	4	
53	5283	NUT, NYLOC 5/16 – 18	8	
54	11650	RIGHT SIDE TWIN PITCH CONT ASSY	1	INCLS ITEM W/%
55*	11651	LEFT SIDE TWIN PITCH TOWER ASSY	1	INCLS ITEM W/+
56	11655	MITER BOX ASSY	1	INCLS ITEM W/*
57	1617	LEVER ASSY, TROWEL ADJUSTMENT	2	INCLS ITEM W/#
58#	2300	DECAL, AL PITCH, RH	1	
59#	2332	DECAL, AL PITCH, LH	1	
60#	4014	SCREW, 2-3/16 P-K TYPE U DRIVE	4	
61#	4403	CRANK KNOB	1	
62#	3231	SPACER	1	
63#	1615	CRANK LEVER	1	
64#	1733	HARDEN WASHER	1	
65#	1616	SHOULDER BOLT	1	
66#	0185	SCREW, SHSS 3/8 – 16 X 3/8"	1	
67#	1528	SCREW, SHSS 1/4 – 20 X 5/16"	1	
68%	10510	SHAFT, PITCH CONTROL, RH TPC	1	
69%	10721	SLIDE BLOCK, RH PITCH CONTROL	1	
70	2737	KNOB KIT	1	

ENGINE (KUBOTA



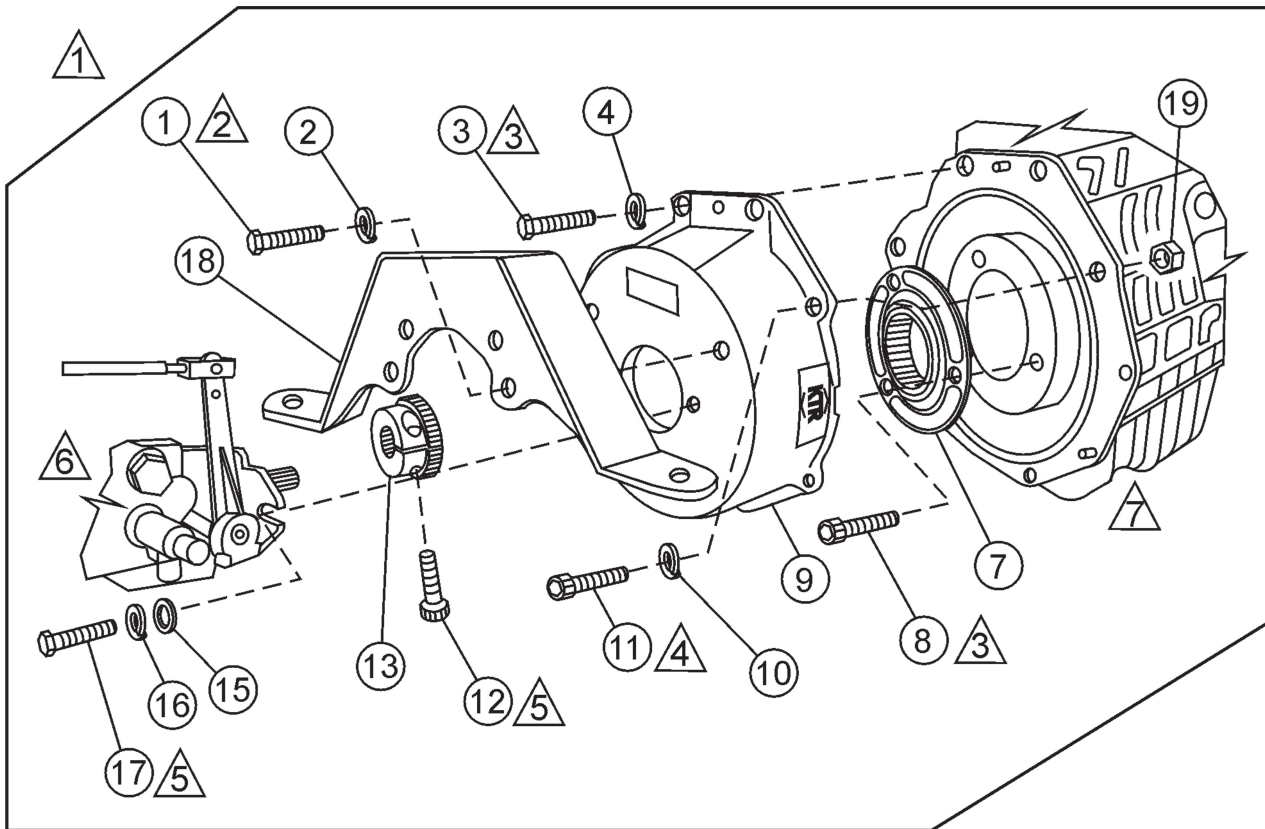
- | | |
|---|--|
| ① ATTACHES TO LEFT-REAR PANEL OF SEAT/FRAME ASSEMBLY | ⑤ REFER TO ENGINE PARTS MANUAL FOR PARTS NOT REFERENCED. |
| ② ENGINE THROTTLE CABLE ASSEMBLY. SEE PAGE 70. | ⑥ TO RIGHT FOOT PEDAL. SEE PAGE 78. |
| ③ SEE PAGE 42 FOR FUEL CONNECTIONS. | ⑦ KTR FLANGE, SEE PAGE 40. |
| ④ HYDRAULIC MOTOR THROTTLE CABLE ASSEMBLY. SEE PAGE 56. | ⑧ S/N TAG MUST BE REMOVED FROM OLD BRACKET AND REINSTALLED ONTO NEW BRACKET. IF S/N TAG IS DAMAGED CONTACT PARTS DEPARTMENT. |

ENGINE (KUBOTA)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	5218	SCREW, HHC 1/2- 13 X 1- 1/2	6	
2	5054A	WASHER, LOCK, 1/2 MED	6	
4	4014	SCREW, DRIVE #2- 3/16 U- DRIVE	2	
5	11517	MOUNT, RIGHT MOTOR	1	(REPLACE S/N TAG ONTO NEW MOUNT)
6	20295	MUFFLER, HTH44	1	
7	10434	CLAMP, HOSE 2 INCH ID	2	
8	20123	HOSE, AIR CLEANER	1	
9	20091	PLATE, AIR DAM TOP	1	
10	2198	SCREW, SHC M6- 1.0 X 10MM	3	
11	0948	WASHER, FLAT 1/4 SAE	3	
12	60049	TRIM EDGE, 1/32 (62B3- 1/32)	1	SOLD IN FOOT-LENGTHS
13	20093	PLATE, AIR DAM REAR	1	
14	20108	ENGINE PACKAGE KUBOTA 44HP TURBO	1	
15	12958	MOUNT, ENGINE LEFT W/ A	2	
16	6869	SCREW, HHC 3/8- 24 X 1/2	8	
17	0166A	WASHER, LOCK 3/8 MED.	8	
18	11577	PLATE, VIBRATION MOUNT	4	
19	20112	BRACKET, THROTTLE	1	
20	8125	CLAMP, HOSE SUPPORT, 5/8	1	
21	2955	WASHER, LOCK, 7/16 MED	4	
22	0202	SCREW, HHC 5/16- 18 X 1	1	
23	11662	SCREW, HHC M10- 1.25 X 25MM	5	
24	10136	WASHER, FLAT 3/8 SAE	1	
25	0300B	WASHER, FLAT 5/16 SAE	1	
26	5283	NUT, NYLOC 5/16-18	1	
27	8128	CLAMP, HOSE SUPPORT 5/16	1	
28	20122	BLANKET, MUFFLER	1	
29%	17351-11083	ELEMENT, AIR CLEANER	1	
30	16271-32090	OIL FILTER, ENGINE	1	
31	16241-72870	HOSE, RADIATOR	2	
32	36200-82720	CLAMP, RADIATOR	4	
33	20320	RADIATOR KIT	1	
35	15263-12370	GASKET, MUFFLER	1	
36	16282-97010	FAN BELT	1	
37	16285-52032	FUEL PUMP, KUBOTA	1	
38	16241-64010	ALTERNATOR	1	
39	37560-63010	STARTER	1	
40	01123-50830	BOLT, STARTER	2	
41	1629611013	AIR CLEANER ASSY	1	INCLUDES ITEMS W/%

HTH44T— ENGINE FLANGE (KUBOTA)

ENGINE (KUBOTA)



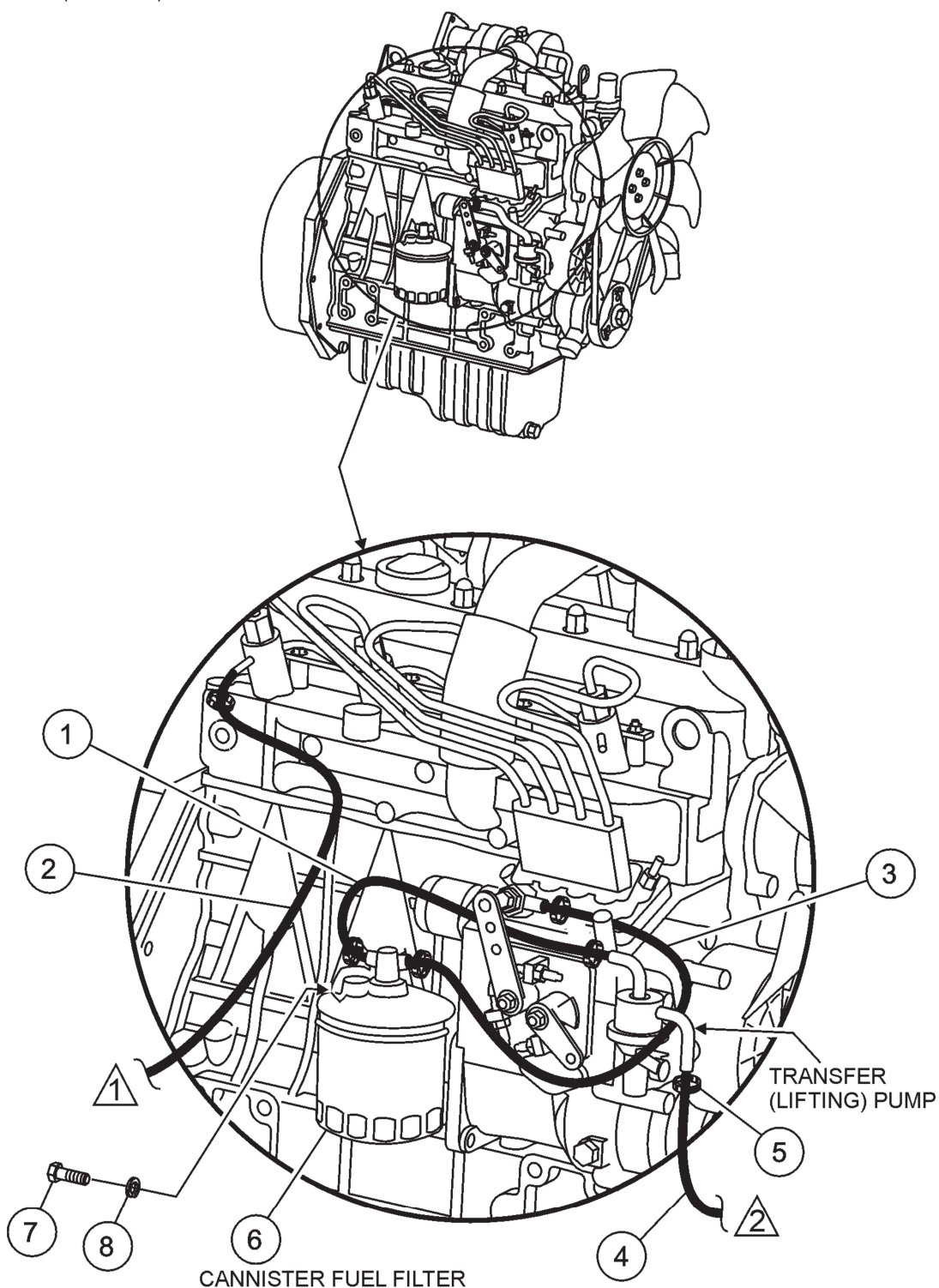
- △1 (ALL BOLTS), USE LOCTITE 242 BLUE OR EQUIVALENT.
- △2 TORQUE TO 80 LB/FT (108NM).
- △3 TORQUE TO 36 LB/FT (49NM).
- △4 TORQUE TO 19 LB/FT (25NM).
- △5 TORQUE TO 40 LB/FT (54NM).
- △6 HYDRAULIC PUMP, SEE PAGE 54.
- △7 ENGINE ASSEMBLY. SEE PAGE 38.

HTH44T— ENGINE FLANGE (KUBOTA)

ENGINE (KUBOTA)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	5218	SCREW, HHC 1/2- 13 X 1- 1/2	2	
2	5054A	WASHER, LOCK, 1/2 MED	2	
3	N/A	SCREW, HHC M10 -1.25 X 35MM GRD10.9	2	SOURCE LOCALLY
4	N/A	WASHER, FLAT 10MM	2	SOURCE LOCALLY
7	11605	FLANGE, NYLON	1	
8	N/A	SCREW, SHC M10 -1.25 X 30MM GRD12.9	3	SOURCE LOCALLY
9	11531	BELL HOUSING, KTR	1	
10	N/A	WASHER, FLAT 8MM	4	SOURCE LOCALLY
11	N/A	SCREW, SHC M8 -1.25 X 30MM GRD12.9	4	SOURCE LOCALLY
12	N/A	SCREW, SHC M10-1.5 X 30MM GRD12.9	1	SOURCE LOCALLY
13	11378	HUB, HYDRAULIC PUMP	1	
15	10136	WASHER, FLAT 3/8 SAE	2	
16	0166A	WASHER, LOCK 3/8 MED	2	
17	1284	SCREW, HHC 3/8-16 X 1- 1/2	2	
18	11517	MOUNT, RIGHT MOTOR	1	
19	N/A	NUT, HEX, M8 - 1.25	1	SOURCE LOCALLY

ENGINE FUEL(KUBOTA)



- △1 TO FUEL TANK RETURN LINE
- △2 TO FUEL TANK SUPPLY LINE

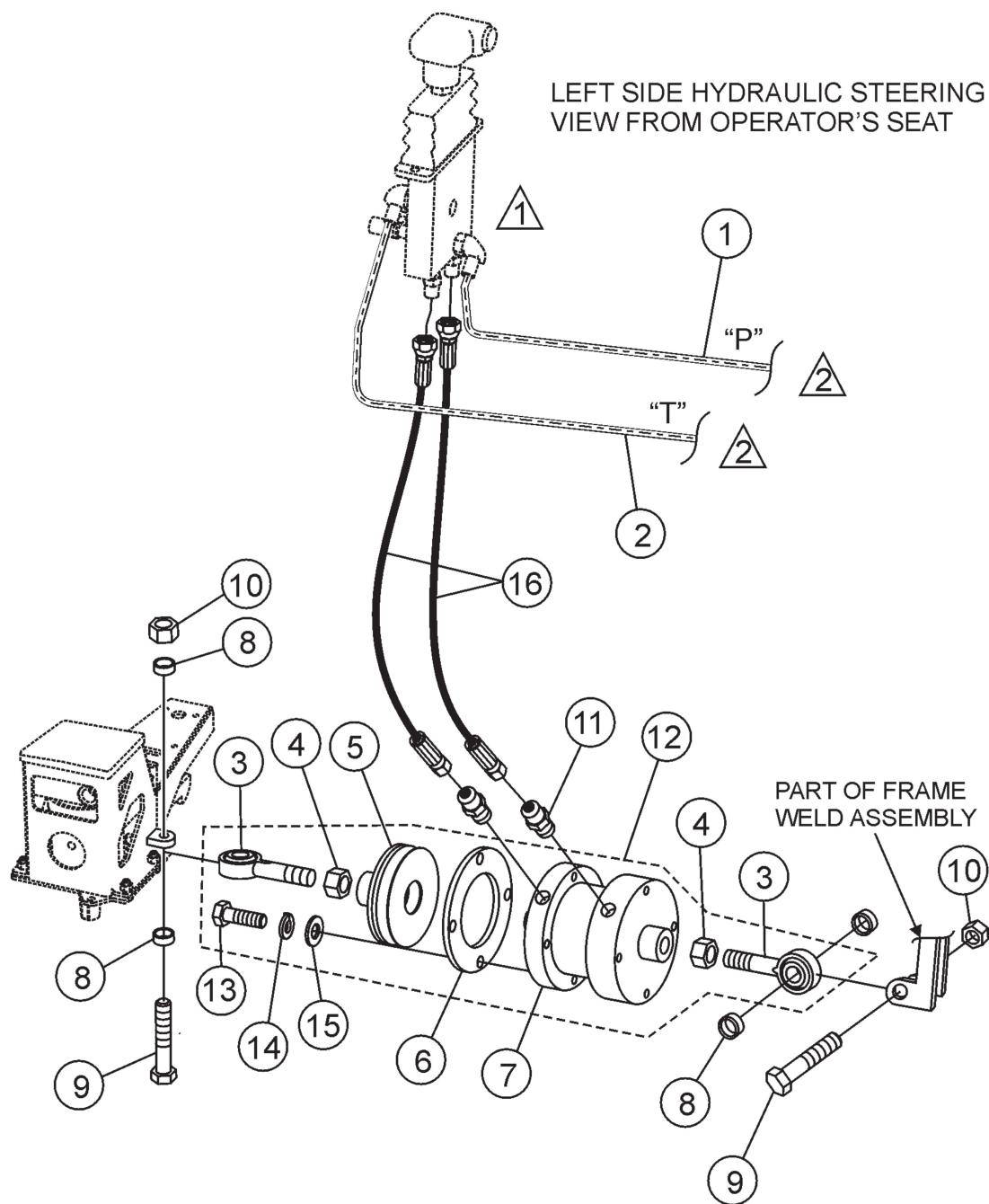
HTH44T— ENGINE FUEL (KUBOTA)

ENGINE FUEL(KUBOTA)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	60028	HOSE, .312 ID RUBBER FUEL 14"	1	SOLD IN FOOT-LENGTHS
2	60004	HOSE, .187 ID RUBBER FUEL 30"	1	SOLD IN FOOT-LENGTHS
3	60028	HOSE, .312 ID RUBBER FUEL 17"	1	SOLD IN FOOT-LENGTHS
4	60028	HOSE, .312 ID RUBBER FUEL 25"	1	SOLD IN FOOT-LENGTHS
5	19473	CLAMP, WORM HOSE, #4 (1/4- 5/8)	6	
6	70000-43081	FILTER, CANNISTER FUEL	1	
7	11662	SCREW, HHC M10- 1.25 X 25MM	2	
8	2955	WASHER, LOCK, 7/16 MED	2	

HTH44T— HYDRAULIC STEERING (LEFT)

HYDRAULIC STEERING (LEFT)



1 STEERING VALVE (LEFT) AND
FITTINGS, SEE PAGE 48.

2 TO HYDRAULIC STEERING (RIGHT),
SEE PAGE 46.

HTH44T— HYDRAULIC STEERING (LEFT)

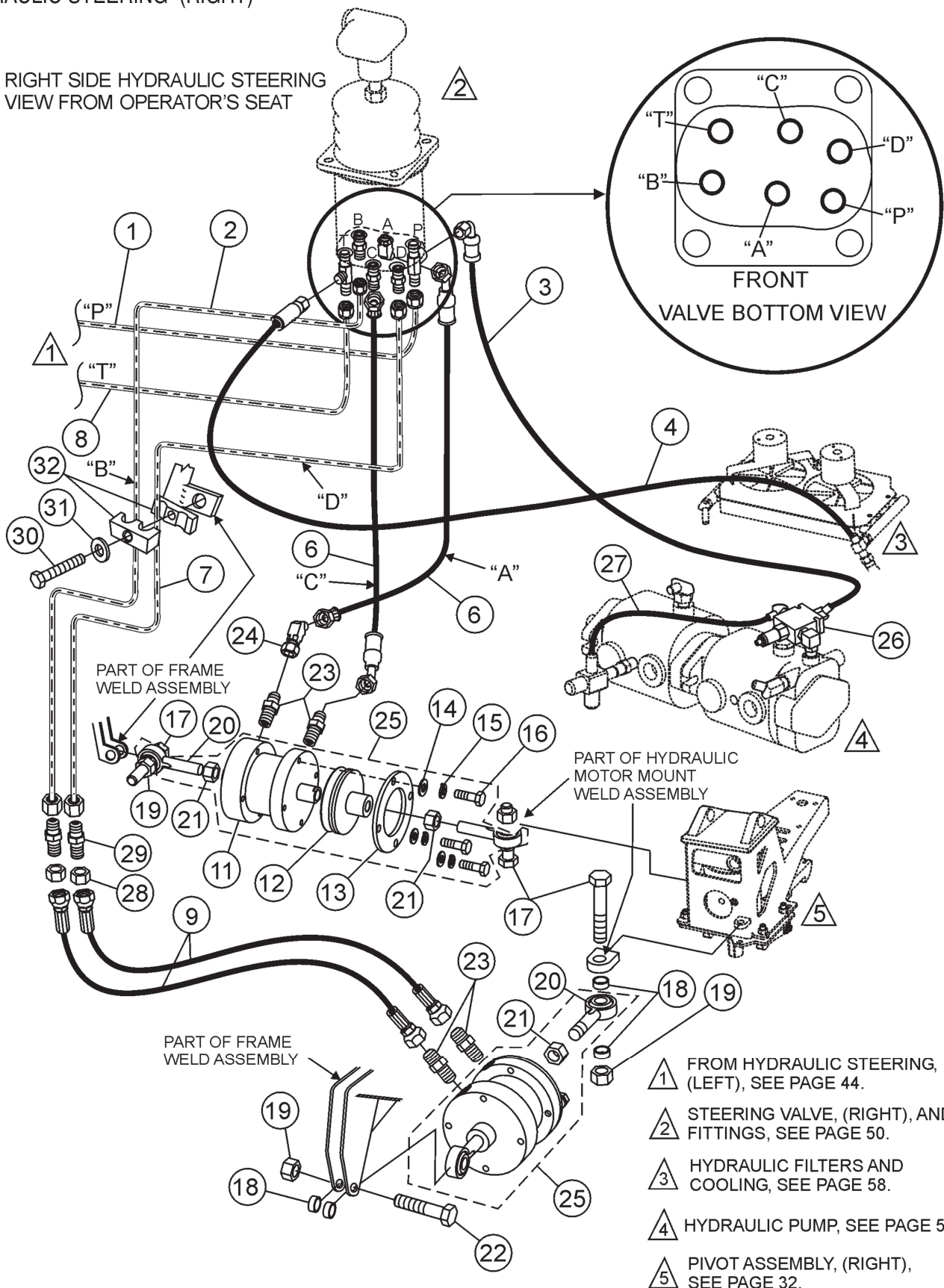
HYDRAULIC STEERING (LEFT)

1	20095	TUBE, HYD. STEERING PRESSURE	1	
2	20096	TUBE, HYD. STEERING RETURN	1	
3*	11142	ROD END, 1/2- 20 MALE RH	2	
4*	11146	NUT, HEX JAM 1/2- 20	2	
5*#	12038	BELLOWS, STG. CYLINDER	1	
6*#	12060	PLATE, BELLOWS MOUNTING	1	
7*	12056	CYLINDER, STEERING	1	INCL ITEMS W/ #
8	11141	SPACER, ROD END	4	
9	12318	SCREW, HHC 1/2- 13 X 2 3/4	2	
10	10176	NUT, NYLOC 1/2- 13	2	
11	11725	FITTING, STEERING 6MJ- 1/4MP	2	
12	12156	CYLINDER ASM, STEERING	1	INCLUDES ITEMS W/ * AND INSTRUCTION SHEET
13*#	10229	SCREW, HHC 5/16- 20 X 1	4	
14*#	0161C	WASHER, LOCK 5/16 MED	4	
15*#	0300B	WASHER, FLAT 5/16 SAE	4	
16	11696	HOSE ASM, .38 ID X 35.5 STR.ENDS	2	

HTH44T— HYDRAULIC STEERING (RIGHT)

HYDRAULIC STEERING (RIGHT)

RIGHT SIDE HYDRAULIC STEERING
VIEW FROM OPERATOR'S SEAT



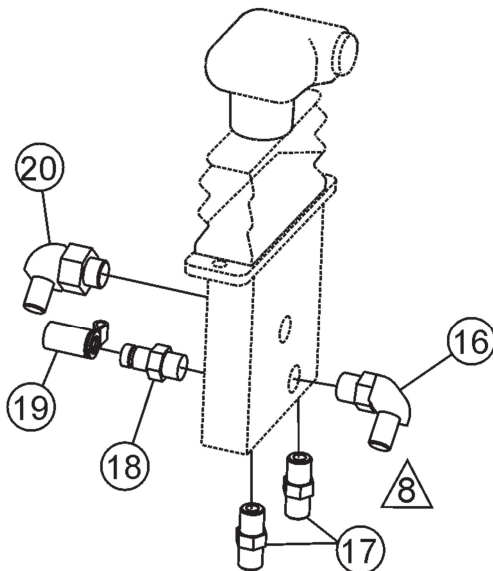
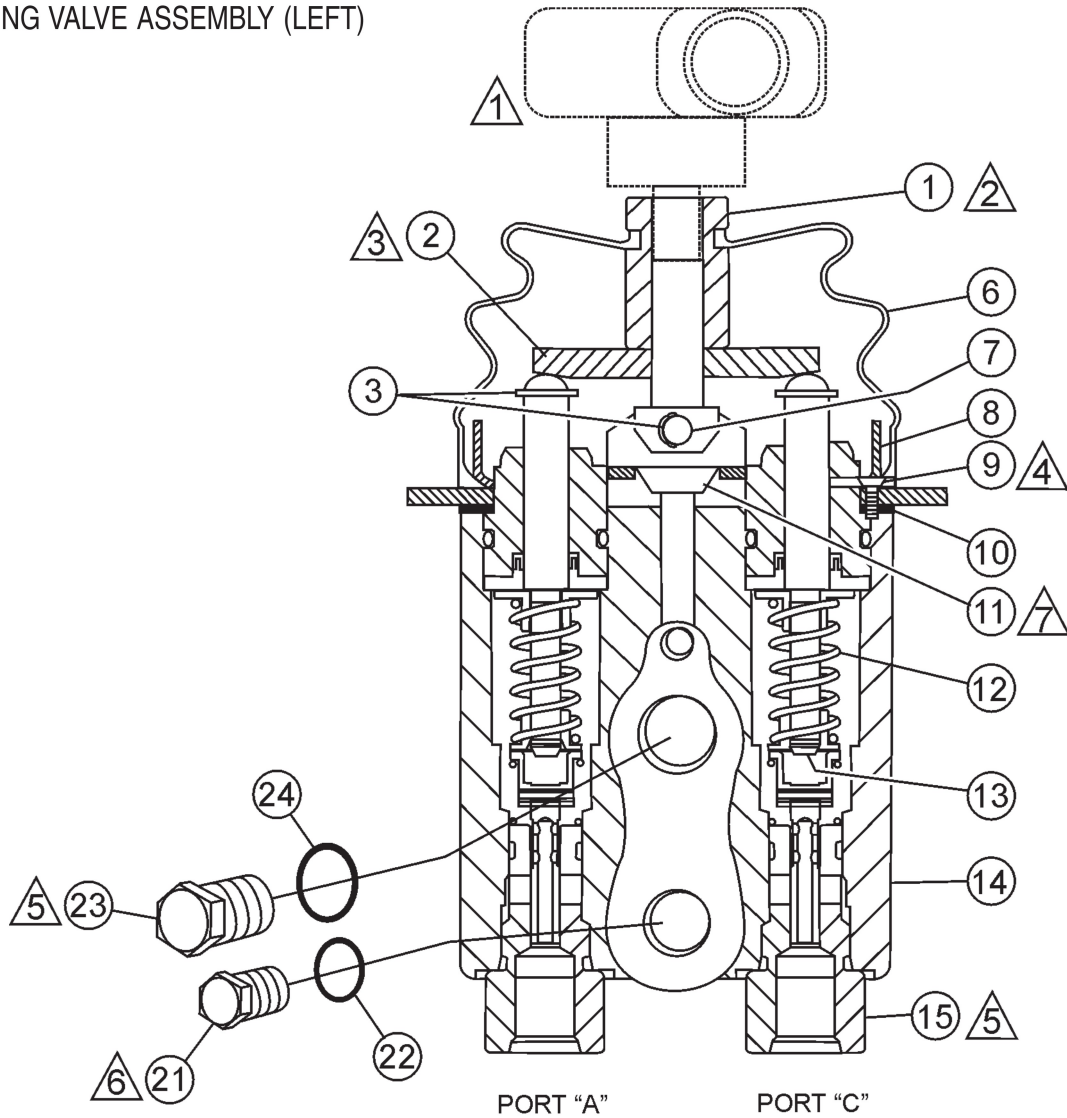
HTH44T— HYDRAULIC STEERING (RIGHT)

HYDRAULIC STEERING (RIGHT)

1	20095	TUBE, HYD. STEERING PRESSURE	1	
2	20084	TUBE, HYD. STRG. CYC. ROD END HTH- T	1	
3	12213	HOSE ASM, .38 ID X 24 90 ONE END	1	
4	11949	HOSE ASM, 3/8 ID X 23 06 STR. ENDS	1	
5	12055	HOSE ASM, .38 ID X 36 45 ONE END	2	
7	20085	TUBE, HYD. STRG. CYL. BASE END HTH- T	1	
8	20096	TUBE, HYD. STEERING RETURN	1	
9	12079	HOSE ASM, .38 ID X 17 STR ENDS	2	
11*	12056	CYLINDER, STEERING	2	INCL ITEMS W/ #
12*#	12038	BELLOWS, STG. CYLINDER	2	
13*#	12060	PLATE, BELLOWS MOUNTING	2	
14*#	0300B	WASHER, FLAT 5/16 SAE	8	
15*#	0161C	WASHER, LOCK 5/16 MED	8	
16*#	10229	SCREW, HHC 5/16- 20 X 1	8	
17	12318	SCREW, HHC 1/2- 13 X 2 3/4	3	
18	11141	SPACER, ROD END	8	
19	10176	NUT, NYLOC 1/2- 13	4	
20*	11142	ROD END, 1/2- 20 MALE RH	4	
21*	11146	NUT, HEX JAM 1/2- 20	4	
22	13178	SCREW, HHC 1/2- 13 X 2 1/4	1	
23	11725	FITTING, STEERING 6MJ- 1/4MP	4	
24	12409	FITTING, 45 6MJ- 6MO	1	
25	12156	CYLINDER ASM, STEERING	1	INCLUDES ITEMS W/ * AND INSTRUCTION SHEET
26	20143	VALVE ASM, STEERING REGULATOR	1	
27	11698	HOSE ASM, .38 ID X 15.5 STR. ENDS	1	
28	16334	NUT, HEX JAM BLKHD .5625-18UNF	2	
29	16333	FITTING, STR 6MJ BLKHD UNION	2	
30	12275	SCREW, CLAMP STAUFF ASDS1	1	
31	12274	COVER, CLAMP STAUFF USDS1	1	
32	12273	CLAMP, 3/8 TUBE PLASTIC PAIR	1	

HTH44T—STEERING VALVE ASSY. (LEFT)

STEERING VALVE ASSEMBLY (LEFT)



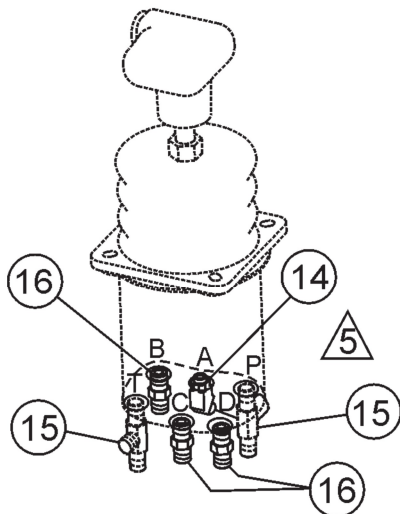
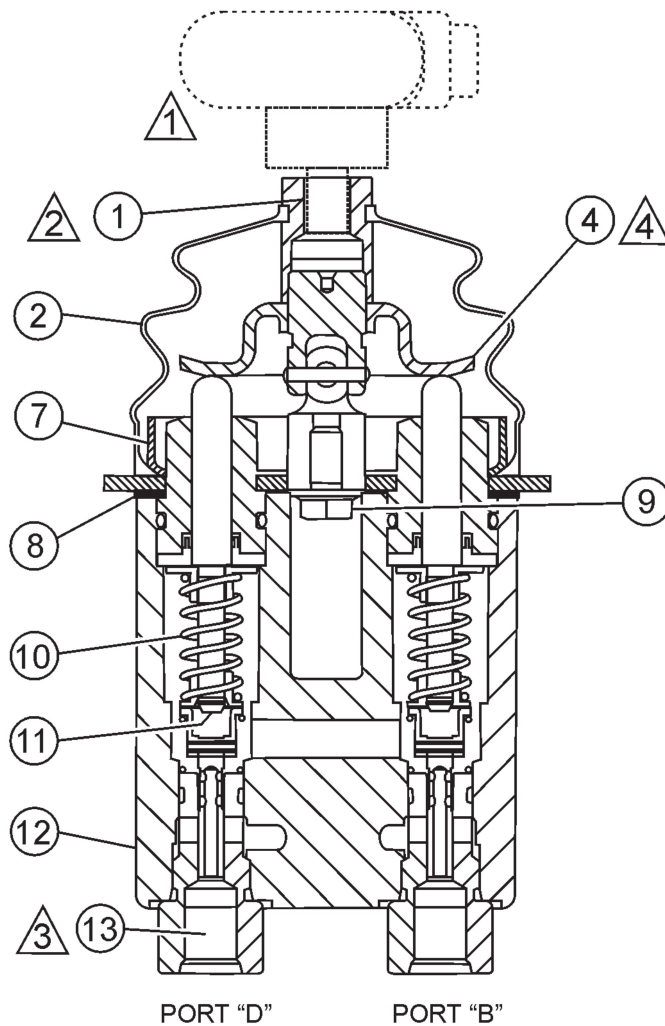
- ① PALM HANDLE ASSEMBLY, SEE PAGE 52.
- ② TORQUE TO 48 +/- 5 FT. LBS.
- ③ LUBRICATE PIVOT JOINT, ACTUATOR PLATE, AND PLUNGER CONTACT AS REQUIRED.
- ④ TORQUE TO 7 +/- 1.0 FT. LB.
- ⑤ TORQUE TO 33 +/- 3.5 FT. LBS.
- ⑥ TORQUE TO 18 +/- 2.0 FT. LBS.
- ⑦ TORQUE TO 14 +/- 1.5 FT. LBS.
- ⑧ HYDRAULIC STEERING CONNECTIONS (LEFT), SEE PAGE 44.

HTH44T— STEERING VALVE ASSY. (LEFT)

STEERING VALVE ASSEMBLY (LEFT)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1*	HU51494	NUT, SPECIAL	1	
2*	HU51941	PLATE, PIVOT	1	
3*	HU51770	RETAINING RING, - EXT	3	
6*	12519	BOOT, LEFT	1	
7*	HU51774	PIVOT PIN	1	
8*	HU51773-1	CLAMP, BOOT	1	
9*	HU51775	SCREW, CAP, FLAT HD	1	
10*	12536	GASKET	2	
11*	HU51761	SCREW, CAP, FLAT HD	1	
12*	HU53748	SPRING	2	
13*	12523	PLUNGER CAPSULE ASM	2	
14	11423	VALVE ASM, HTH44T STRG LEFT	1	INCLUDES ITEMS WITH *
15*	12521	METERING CAPSULE ASM	2	
16	11722	FITTING, 90 6MJ-6MO	1	
17	11721	FITTING, STR 6MJ-6MO	2	
18	12147	FITTING, QC DIAGN PARKER PD-361	1	
19	12148	CAP, DUST DIAG PARKER PD6-285	1	
20	11723	FITTING, 90 6MJ-8MO	1	
21*	HU3182	PLUG, SAE	1	
22*	HU53-906	O-RING	1	
23*	HU3108	PLUG, SAE	1	
24*	HU53-908	O-RING	1	

STEERING VALVE ASSEMBLY (RIGHT)



- △ 1 PALM HANDLE ASSEMBLY, RIGHT, SEE PAGE 52.
- △ 2 TORQUE TO 48 +/- 5 FT. LBS.
- △ 3 TORQUE TO 33 +/- 3.5 FT. LBS.
- △ 4 LUBRICATE BALL AND SOCKET JOINT, ACTUATOR PLATE, AND PLUNGER CONTACT AS REQUIRED.
- △ 5 HYDRAULIC STEERING CONNECTIONS, (RIGHT), SEE PAGE 46.

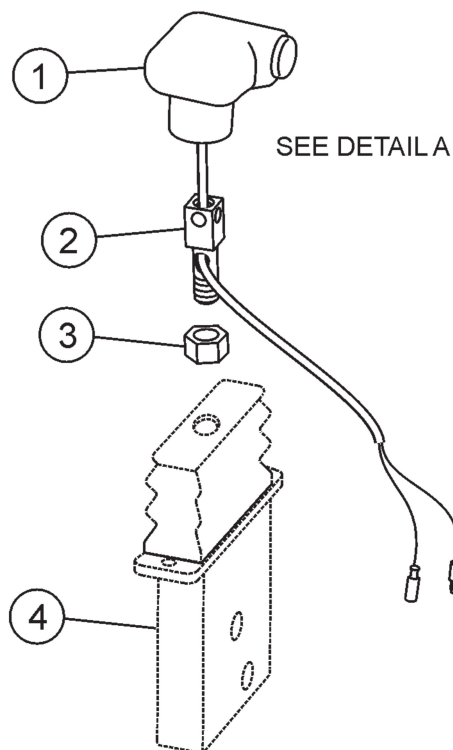
HTH44T— STEERING VALVE ASSY. (RIGHT)

STEERING VALVE ASSEMBLY (RIGHT)

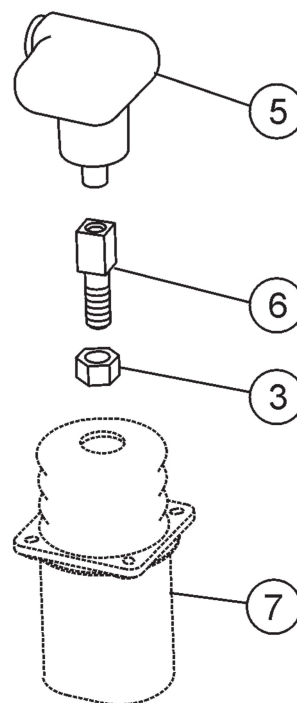
<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1*	HU51494	NUT, SPECIAL	1	
2*	12518	BOOT, RIGHT	1	
4*	HU515026	PLATE, PIVOT	1	
7*	12790	RETAINER, STRG VALVE BOOT	1	
8*	12524	GASKET	4	
9*	11146	NUT, HEX JAM 1/2- 20	1	
10*	HU53748	SPRING	6	
11*	12523	PLUNGER CAPSULE ASM	6	
12	11422	VALVE ASM, HTH44T STRG RIGHT	1	INCLUDES ITEMS WITH *
13*	12521	METERING CAPSULE ASM	6	
14	11780	FITTING, 45 6MJ-6MO	1	
15	12159	FITTING, TEE 6MJ-6MO-6MJ	2	
16	11721	FITTING, STR 6MJ-6MO	3	

HTH44T— PALM HANDLES (LEFT AND RIGHT)

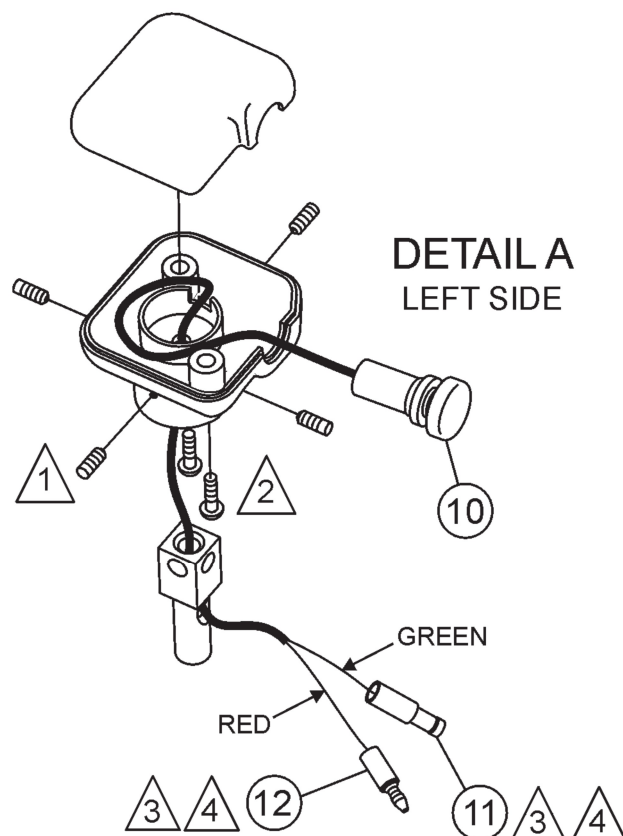
PALM HANDLES (LEFT AND RIGHT)



LEFT SIDE



RIGHT SIDE



- 1 APPLY LOCTITE P/N 1477 OR EQUIVALENT TO ALL 4 SET SCREWS.
- 2 REUSE PALM HANDLE HARDWARE WHEN REPLACING SWITCH.
- 3 TERMINALS SUPPLIED (UNCRIMPED) WITH ITEM 10.
- 4 ATTACH MALE BULLET TERMINAL TO FEMALE BULLET TERMINAL OF WIRE HARNESS. (LEADS ARE NON-POLAR)

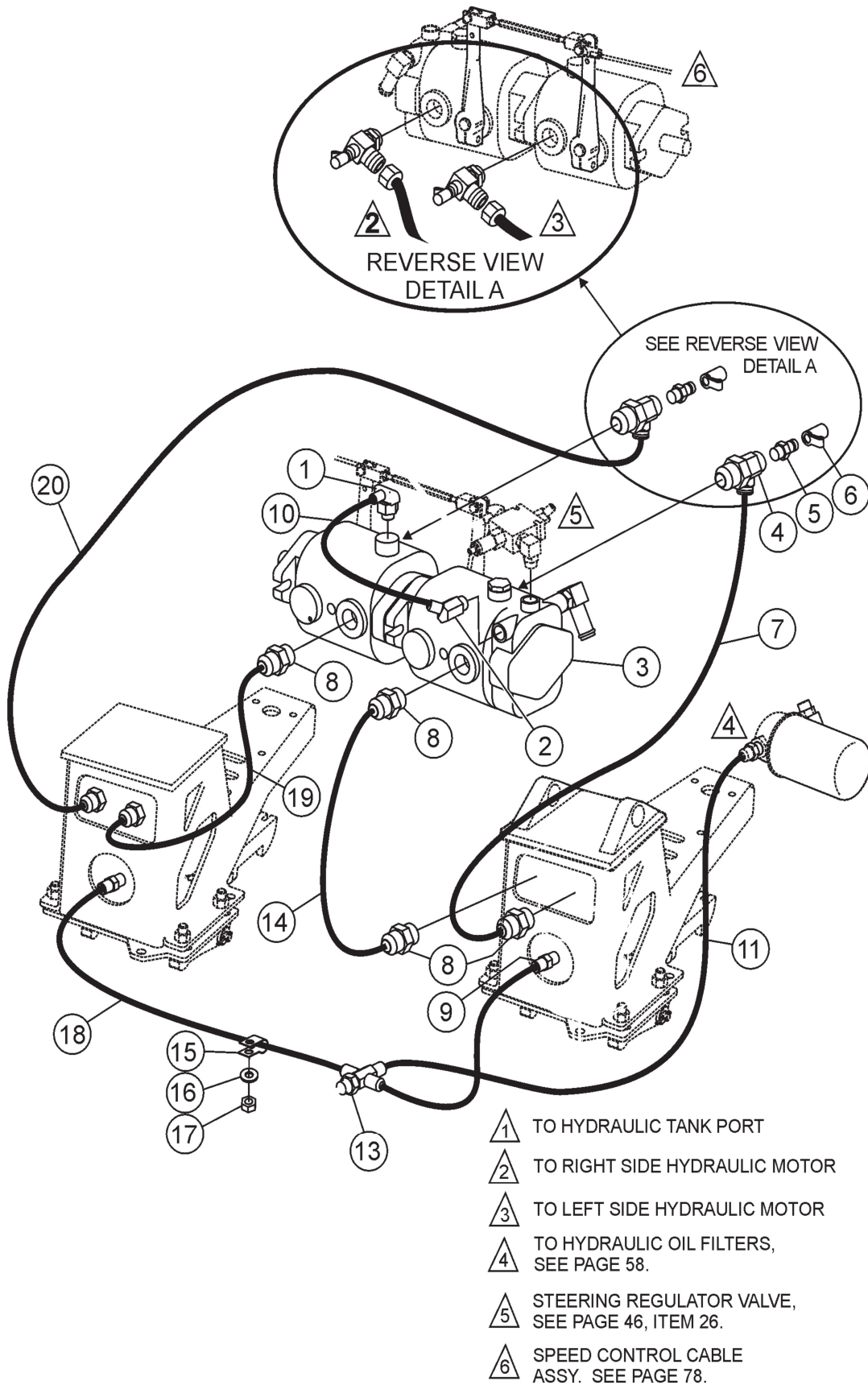
HTH44T— PALM HANDLES (LEFT AND RIGHT)

PALM HANDLES (LEFT AND RIGHT)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	22001	HANDLE, PALM W/ SWITCH, LEFT	1	
2	22003	TUBE, HANDLE SWITCH	1	
3	11146	NUT, HEX JAM 1/2 - 20	2	
4	11423	VALVE ASM, STEERING (LEFT)	1	
5	22002	HANDLE, PALM W/O SWITCH, RIGHT	1	
6	22004	TUBE, HANDLE SOLID	1	
7	11422	VALVE ASM, STEERING (RIGHT)	1	
10	20314	SWITCH ASM	1	
11	1318	TERMINAL, BULLET, FEMALE 18-22	1	
12	4692	TERMINAL, BULLET, MALE 14-16	1	

HTH44T— HYDRAULIC DRIVE ASSEMBLY

HYDRAULIC DRIVE ASSEMBLY



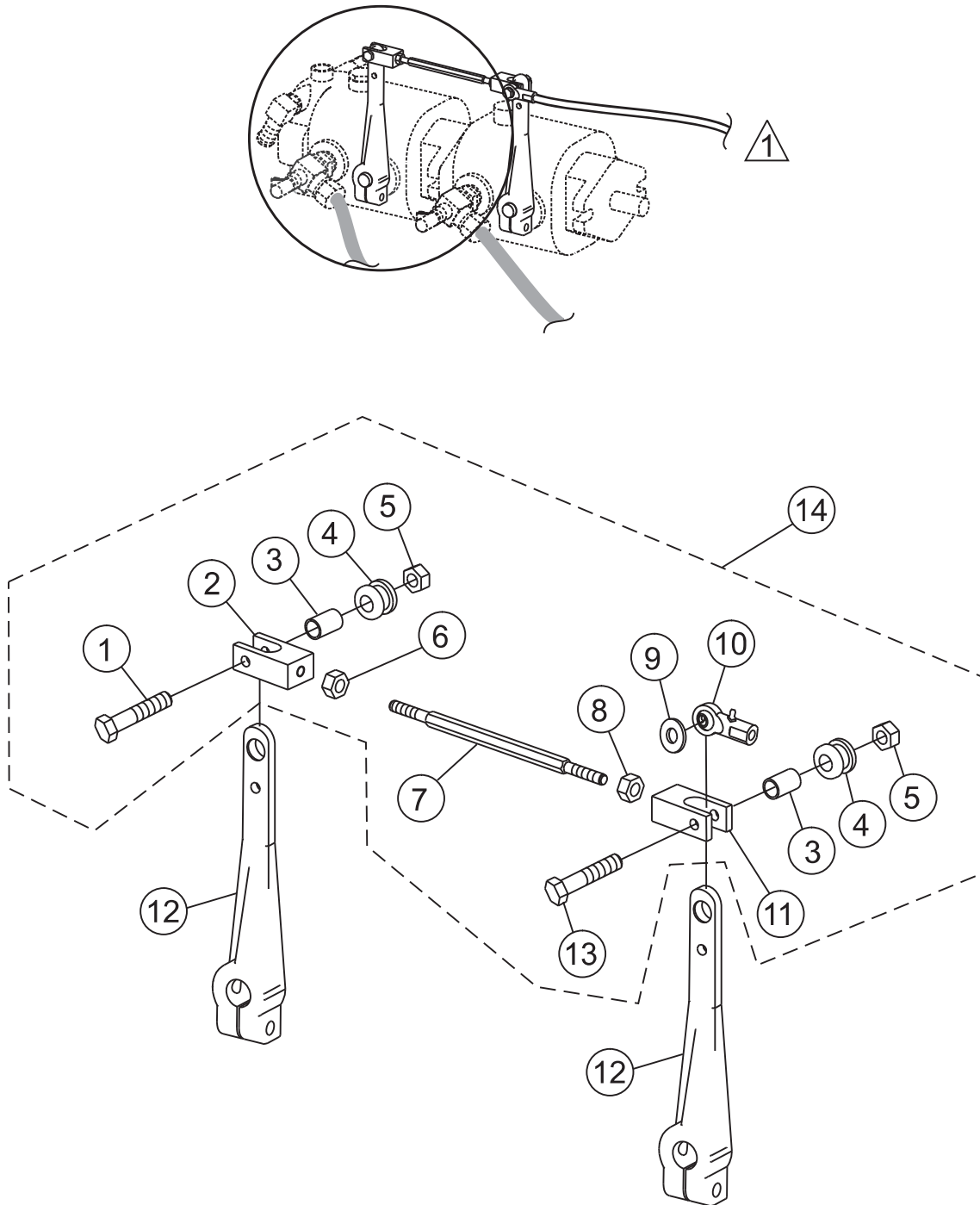
HTH44T— HYDRAULIC DRIVE ASSEMBLY

HYDRAULIC DRIVE ASSEMBLY

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	11723	FITTING, 90 6MJ- 6MO	1	
2	11892	FITTING, 90 IMP- 3/4FP SWIVEL	1	
3	12804	PUMP ASM,TANDEM HTH	1	
4	12433	FITING,TEE 12MJ- 12MO- 6FO	2	
5	12147	FITTING, QC DIAGN PARKER PD- 361	2	
6	12148	CAP, DUST DIAG PARKER PD6- 285	2	
7	11590	HOSE ASM, .75ID X 24 90 DEG. ENDS	1	
8	11386	FITTING, STR. 12MJ- 12MO	6	
9	11721	FITTING, STR. 6MJ- 6MO	3	
10	11698	HOSE ASM, .38ID X 15.5 STR. ENDS	1	
11	20191	HOSE ASM, .51ID X 14LG 90 DEG. ONE END	1	
13	20190	FITTING, CROSS 6MJ- 8MJ- 6MJ- 8MJ	1	
14	11588	HOSE ASM, .75ID X 27 90 DEG. ONE END	1	
15	8125	CLAMP, HOSE SUPPORT 5/8	1	
16	0300B	WASHER, FLAT 5/16 SAE	1	
17	5283	NUT, NYLOC 5/16- 18	1	
18	11699	HOSE ASM, .38ID X 52.5 STR. ENDS	1	
19	11591	HOSE ASM, .75ID X 41 90 DEG. ENDS	1	
21	11589	HOSE ASM, .75ID X 50 90 DEG. ONE END	1	

HTH44T—HYDRAULIC DRIVE PUMP LEVER ASSY.

HYDRAULIC DRIVE PUMP LEVER ASSEMBLY



 SPEED CONTROL CABLE ASSY,
SEE PAGE 78.

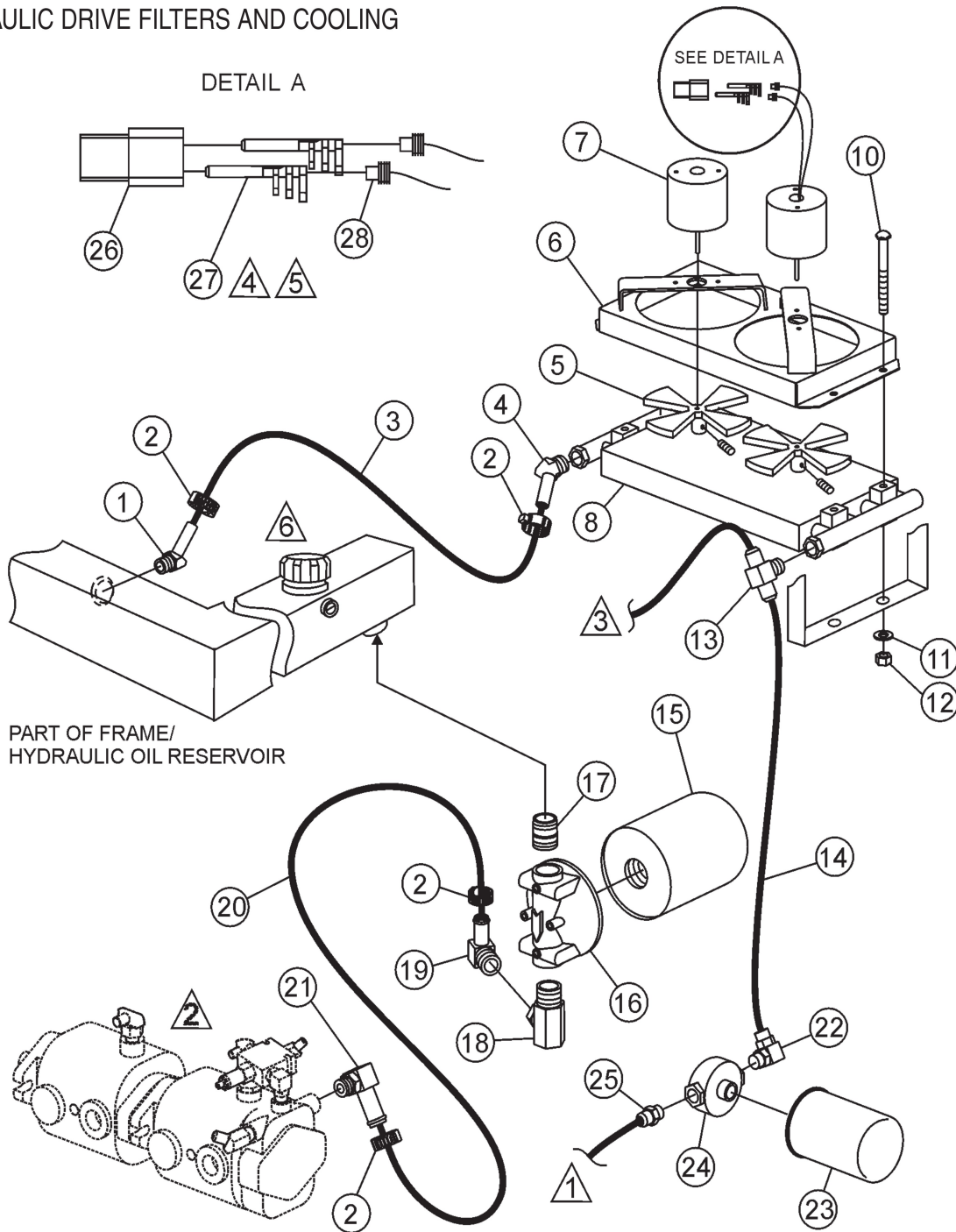
HTH44T— HYDRAULIC DRIVE PUMP LEVER ASSY.

HYDRAULIC DRIVE PUMP LEVER ASSEMBLY

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	0424	SCREW, HHC 1/4- 20 X 1 1/4	1	
2	12357	CLEVIS, PUMP ACTUATOR, LEFT HAND	1	
3	11875	SPACER, PUMP LEVER GROMMET	2	
4	11874	GROMMET, LEVERMINOR #Z- 2064	2	
5	10024	NUT, NYLOC 1/4- 20	2	
6	11613	NUT, HEX FULL 1/4- 28 LEFT HAND	1	
7	11610	ROD, PUMP ACTUATOR	1	
8	6904	NUT, HEX FINISH 1/4- 28	1	
9	0948	WASHER, FLAT 1/4 SAE	1	
10	20003	ROD END, 1/4 - 28 FEM RH W/ZERK	1	
11	12356	CLEVIS, PUMP ACTUATOR, RT. HAND	1	
12	12580	LEVER, PUMP TL SPEN SP791- 11	2	
13	26250	SCREW, HHC 1/4- 20 X 1- 3/4	1	
14	21449	KIT, PUMP LEVER CLEVIS	1	 REPLACES 12593

HTH44T—HYDRAULIC DRIVE FILTERS AND COOLING

HYDRAULIC DRIVE FILTERS AND COOLING



1 TO "TEE" FITTING. SEE PAGE 54, ITEM 13.

2 FOR FURTHER HYDRAULIC MOTOR CONNECTIONS, SEE PAGE 54.

3 TO HYDRAULIC STEERING (RIGHT) SEE PAGE 25, ITEM 4.

4 REQUIRES HAND CRIMP TOOL WAYTEK P/N 402, OR PACKARD P/N GM 12014254.

5 TO REMOVE WIRE USE TERMINAL EXTRACTION TOOL WAYTEK P/N 421.

6 HYDRAULIC RESERVOIR CAP, SEE PAGE 76.

HTH44T—HYDRAULIC DRIVE FILTERS AND COOLING

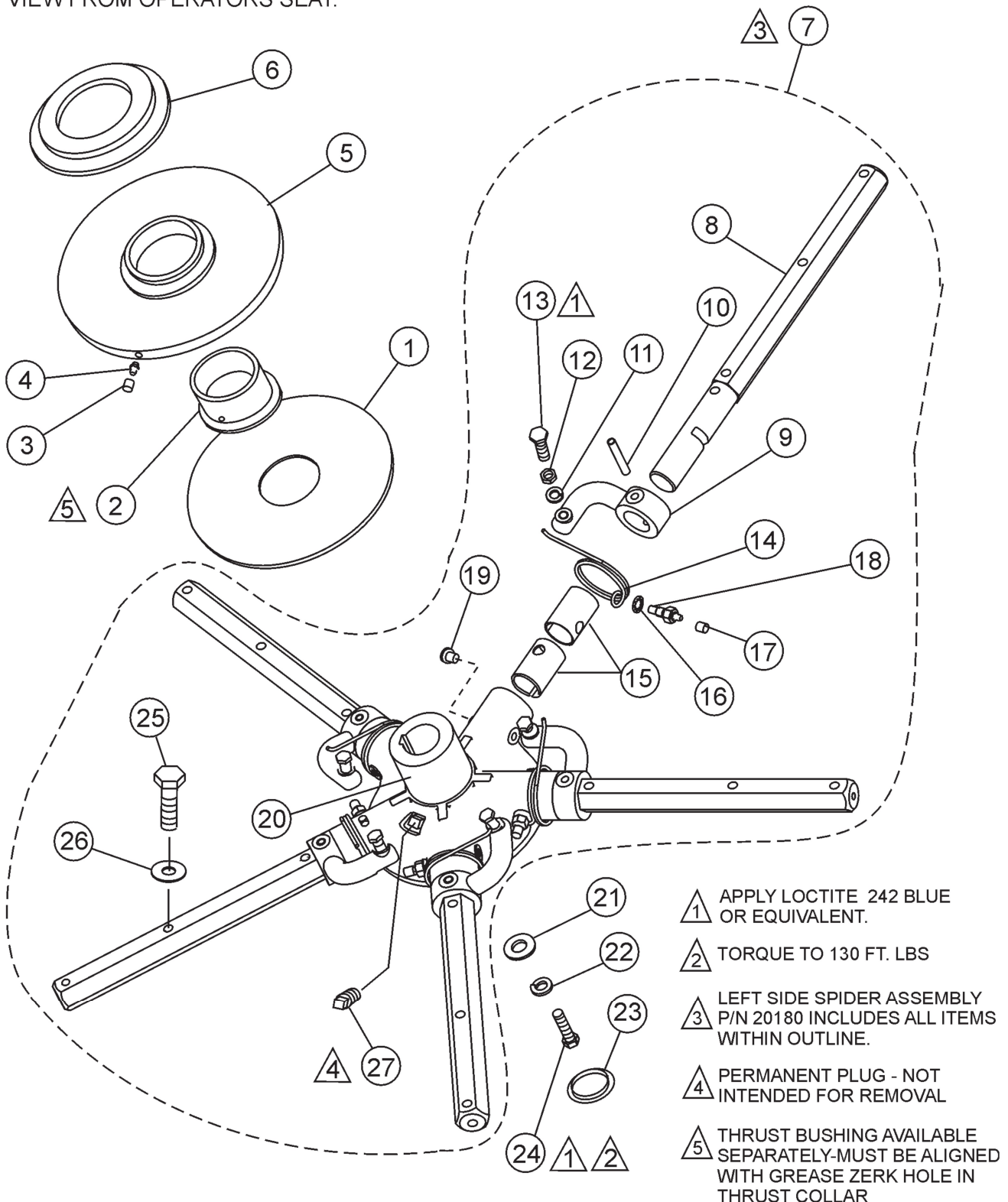
HYDRAULIC DRIVE FILTERS AND COOLING

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	12575	FITTING, 45 8 BARB X 3/8 MP	1	
2	3333	CLAMP, 1.1/4 HOSE	4	
3	20251	HOSE, .5ID 100R3 21 LONG	1	
4	12537	FITTING, 45 8BARB X 1/2 MP	1	
5	11580	FAN, COOLING BLADE	2	
6	12114	SHROUD, OIL COOLING FAN	1	
7	11579	MOTOR, 12 VOLT FAN	2	
8	11297	COOLER, OIL	1	
10	11783	BOLT, CARRIAGE 5/16- 18 X 3	4	
11	0300B	WASHER, FLAT 5/16 SAE	4	
12	5283	NUT, NYLOC 5/16- 18	4	
13	20237	FITTING, TEE 08MJ X 08MJ X .5MP	1	
14	20238	HOSE ASM, .51ID X 16.5 STR. ENDS	1	
15	20567	ELEMENT, FILTER SUC. STAUFF SF6710	1	
16	11883	HOUSING, FILTER SUC. ZINGA SF- 100	1	
17	11893	FITTING, NIPPLE IMP CLOSE	1	
18	11892	FITTING, 90 IMP- 3/4FP SWIVEL	1	
19	3367	FITTING, 12 BARB- 3/4MP	1	
20	3462	HOSE ASM, .75ID 100R4 16.5 LONG	1	
21	11870	FITTING, 90 12 BARB- 8MO	1	CHARGE PUMP INLET
22	11396	FITTING, 8MJ X 8MO	1	
23	11402	FILTER	1	STAUFF SF-6520, ZINGA AE-10
				OR EQUIVALENT
24	11754	HOUSING, FILTER	1	
25	11749	FITTING, STR. 8MJ- 8MO	1	
26	12176	CONNECTOR, WEATHERPACK 2 PIN	1	
27	12179	TERMINAL, W'PACK MALE 14-16 GA	2	
28	12171	SEAL, WEATHERPACK 16-18 GA	2	

HTH44T— FIVE BLADE SPIDER ASSY. (LEFT)

FIVE BLADE SPIDER ASSEMBLY (LEFT SIDE)

LEFT SIDE SPIDER ASSEMBLY (5-BLADE).
VIEW FROM OPERATORS SEAT.



HTH44T— FIVE BLADE SPIDER ASSY. (LEFT)

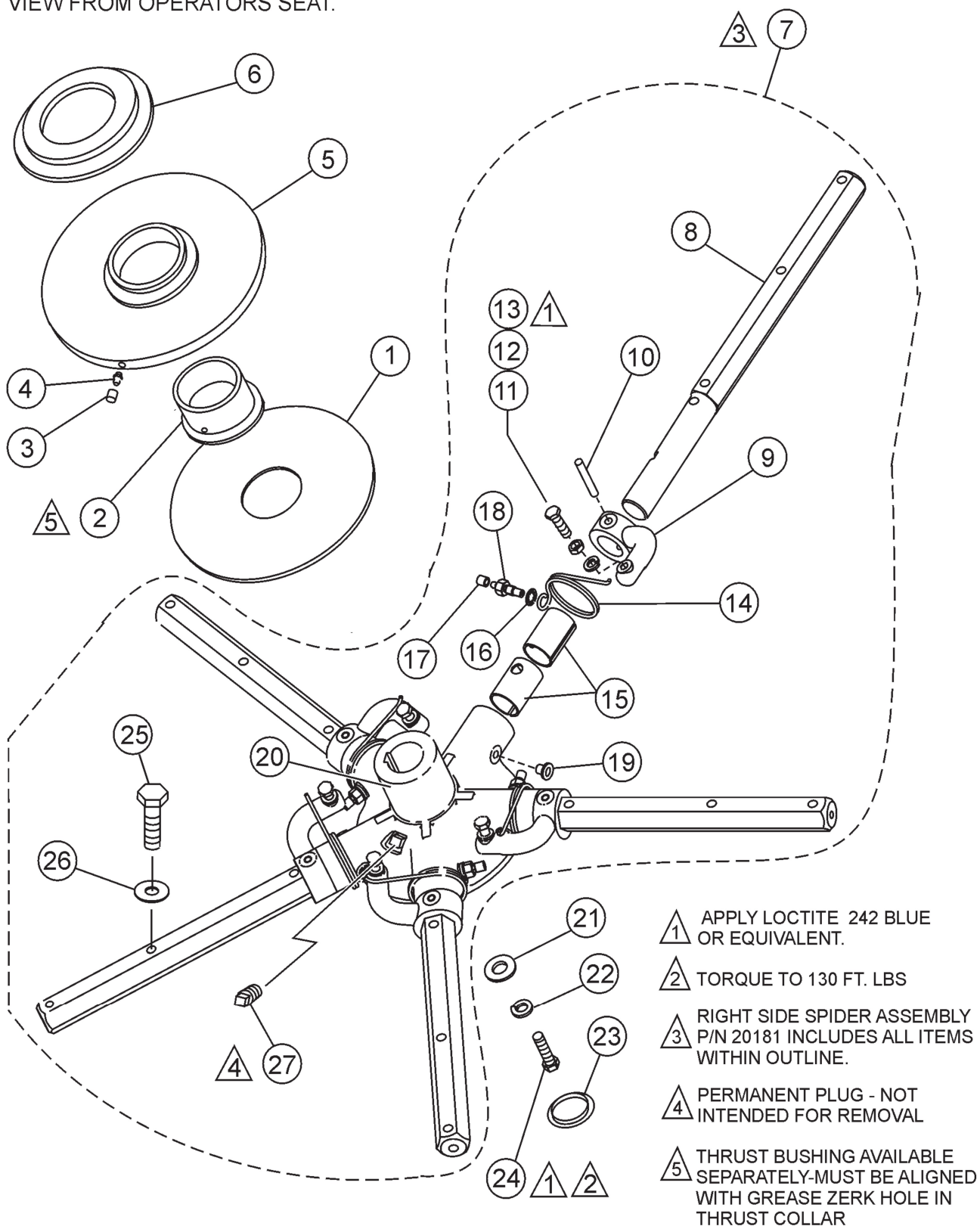
FIVE BLADE SPIDER ASSEMBLY (LEFT SIDE)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	11419	PLATE, WEAR	1	
2	20426	BUSHING, THRUST MACHINED	1	ORIENT HOLE WITH GREASE HOLE IN THRUST COLLAR
3	1162A	CAP, GREASE ZERK #2	1	
4	2621	ZERK, GREASE STR 1/4- 28	1	
5	11431	THRUST COLLAR W/ BUSHING	1	
6	12779	BEARING, THRUST 6017 2RS W/FLANGE	1	
7	20180	SPIDER ASM, LEFT SIDE	1	
8	2829	ARM, TROWEL, HD EXTENDED	5	
9	9005	LEVER, TROWEL ARM LEFT SIDE	5	
10	9006	PIN, ROLL 5/16 X 2	5	
11	0166A	WASHER, LOCK, 3/8 MED	5	
12	1876	NUT, HEX JAM 3/8 X 16 CLASS 2B	5	
13	0164B	SCREW, TROWEL ADJUSTMENT	5	
14	9111	SPRING, LS ARM RETURN HD/HT, SM BOSS	5	
15	11039	BUSHING, ARM 2 PIECE	10	
16	1875	WASHER, INT. SHKP. 3/8	5	
17	1162A	CAP, GREASE ZERK #2	5	
18	1322	SCREW ASM, ARM RETAINING	5	
19	2218	CAP PLUG	5	REPLACES P/N 11602
20	20041	SPIDER, HTH TAPER 5 BL	1	
21	20073	RETAINER, SPIDER	1	
22	4388	WASHER, LOCK 3/4 MED	1	
23	20121	PLUG, SPIDER SNAP IN	1	
24	20179	SCREW, HHC 3/4- 16 X 2, GR8	1	
25	0105	SCREW, HHC 5/16 -18 X 1 1/2	15	
26	0161C	WASHER, LOCK 5/16	15	
27	0121A	FITTING, PLUG 3/8MP SQ HEAD	1	

HTH44T— FIVE BLADE SPIDER ASSY. (RIGHT)

FIVE BLADE SPIDER ASSEMBLY (RIGHT SIDE)

RIGHT SIDE SPIDER ASSEMBLY (5-BLADE).
VIEW FROM OPERATORS SEAT.



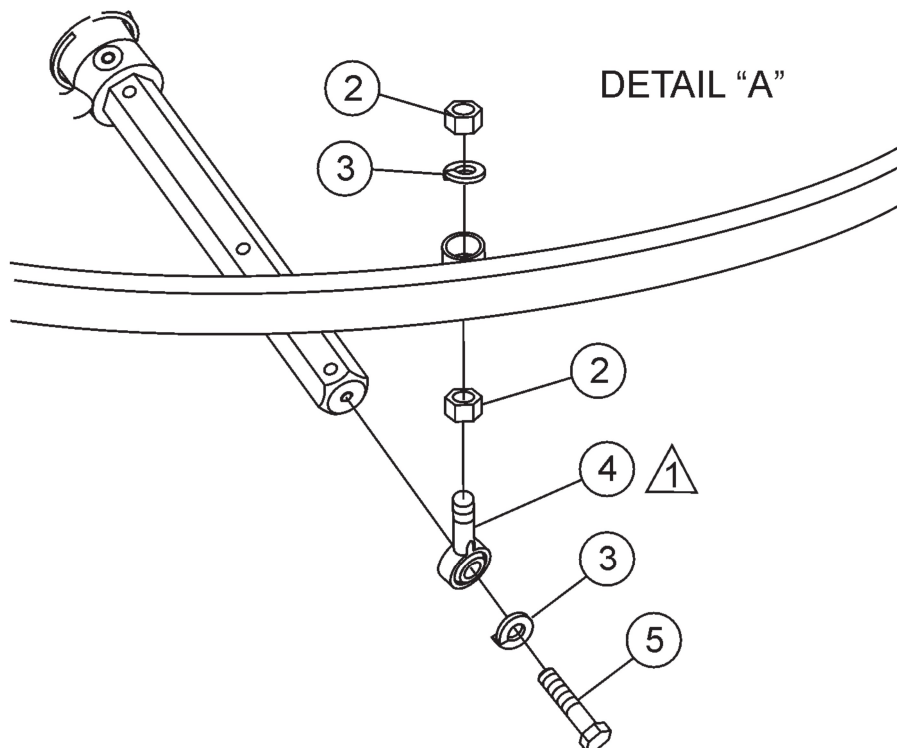
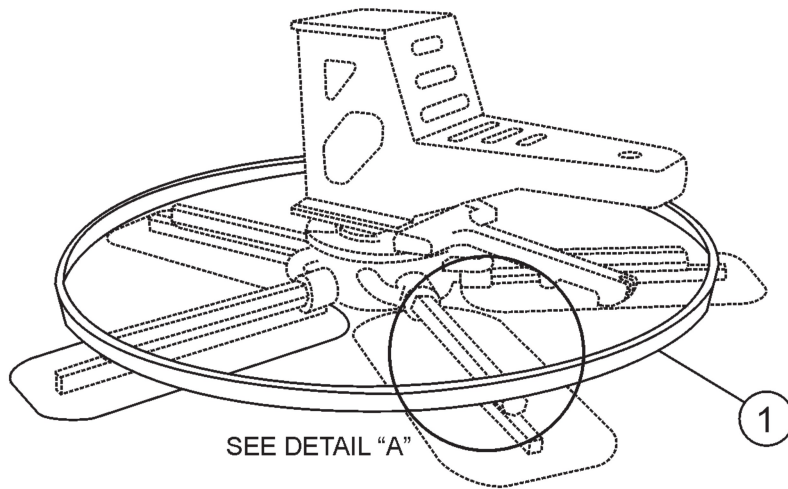
HTH44T— FIVE BLADE SPIDER ASSY. (RIGHT)

FIVE BLADE SPIDER ASSEMBLY (RIGHT SIDE)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	11419	PLATE, WEAR	1	
2	11464	BUSHING, THRUST MACHINED	1	ORIENT HOLE WITH GREASE
				HOLE IN THRUST COLLAR
3	1162A	CAP, GREASE ZERK #2	1	
4	2621	ZERK, GREASE STR 1/4- 28	1	
5	11431	THRUST COLLAR, W/ BUSHING	1	
6	12779	BEARING, THRUST 6017 2RS W/FLANGE	1	
7	20181	SPIDER ASM, RIGHT SIDE	1	
8	2829	ARM, TROWEL, HD EXTENDED	5	
9	1986	LEVER, TROWEL ARM RIGHT SIDE	5	
10	9006	PIN, ROLL 5/16 X 2	5	
11	0166A	WASHER, LOCK, 3/8 MED	5	
12	1876	NUT, HEX JAM 3/8 X 16 CLASS 2B	5	
13	0164B	SCREW, TROWEL ADJUSTMENT	5	
14	2143	SPRING, RIGHT TROWEL	5	
15	11039	BUSHING, ARM 2 PIECE	10	
16	1875	WASHER, INT. SHKP. 3/8	5	
17	1162A	CAP, GREASE ZERK #2	5	
18	1322	SCREW ASM, ARM RETAINING	5	
19	2218	CAP PLUG	5	REPLACES P/N 11602
20	20041	SPIDER, HTH TAPER 5 BL	1	
21	20073	RETAINER, SPIDER	1	
22	4388	WASHER, LOCK 3/4 MED	1	
23	20121	PLUG, SPIDER, SNAP IN	1	
24	20179	SCREW,HHC 3/4- 16 X 2, GR8	1	
25	0105	SCREW, HHC 5/16 -18 X 1 1/2	15	
26	0161C	WASHER, LOCK 5/16	15	
27	0121A	FITTING, PLUG 3/8MP SQ HEAD	1	

HTH44T—STABILIZER RING ASSY.

STABILIZER ASSEMBLY



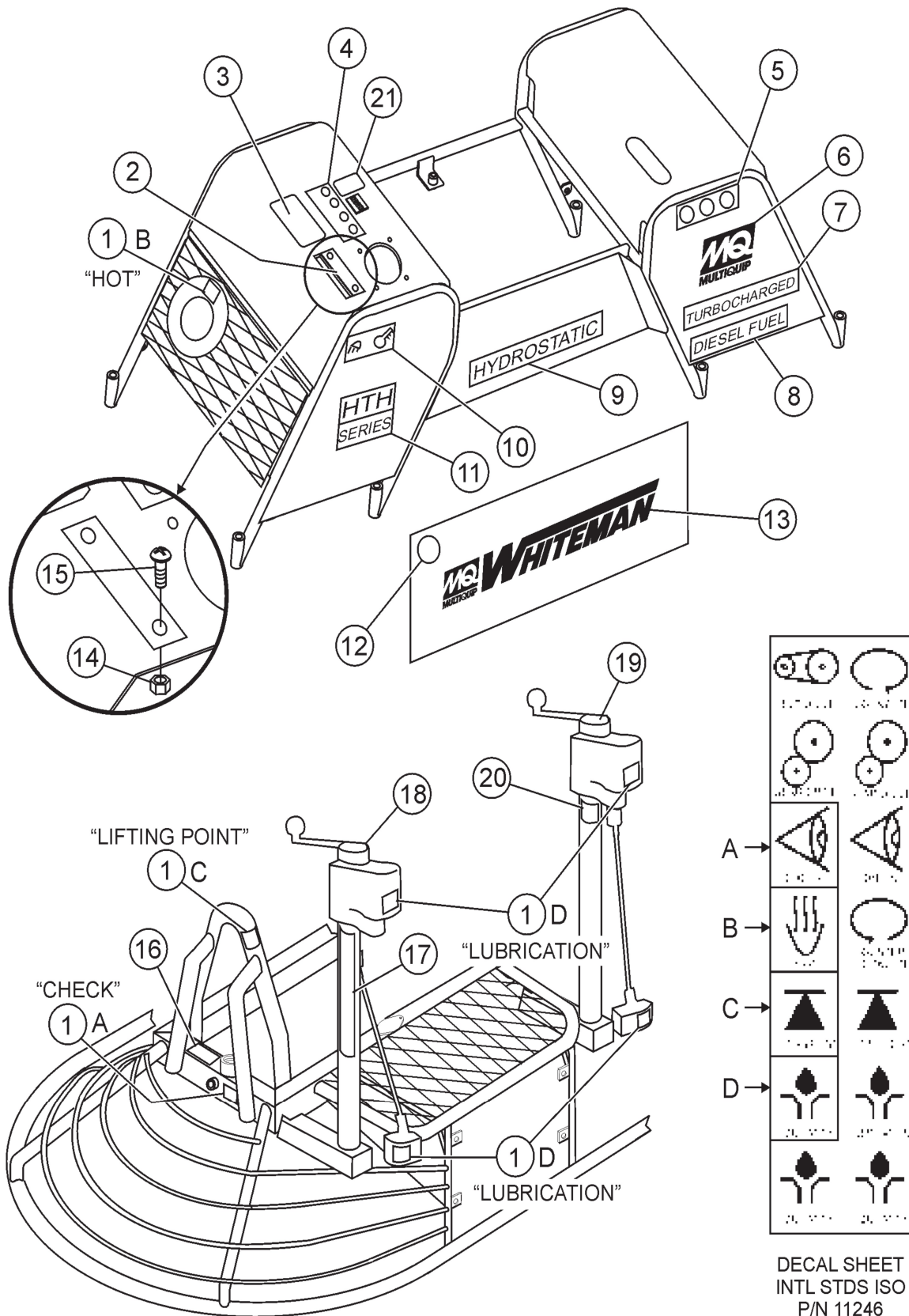
△ 1 APPLY LOCTITE 242 BLUE OR EQUIVALENT.

HTH44T— STABILIZER RING ASSY.

STABILIZER ASSEMBLY

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	12095	RING, STABILIZER, EXT ARM, HD	1	
2	6014C	NUT, HEX FINISH 5/16-24	10	
3	0161C	WASHER, LOCK, 5/16 MED	10	
4	1723	ROD END, 5/16-24 MALE	5	
5	1237	SCREW, SCH 5/16-18 X 7/8	5	

LOCATOR DECALS

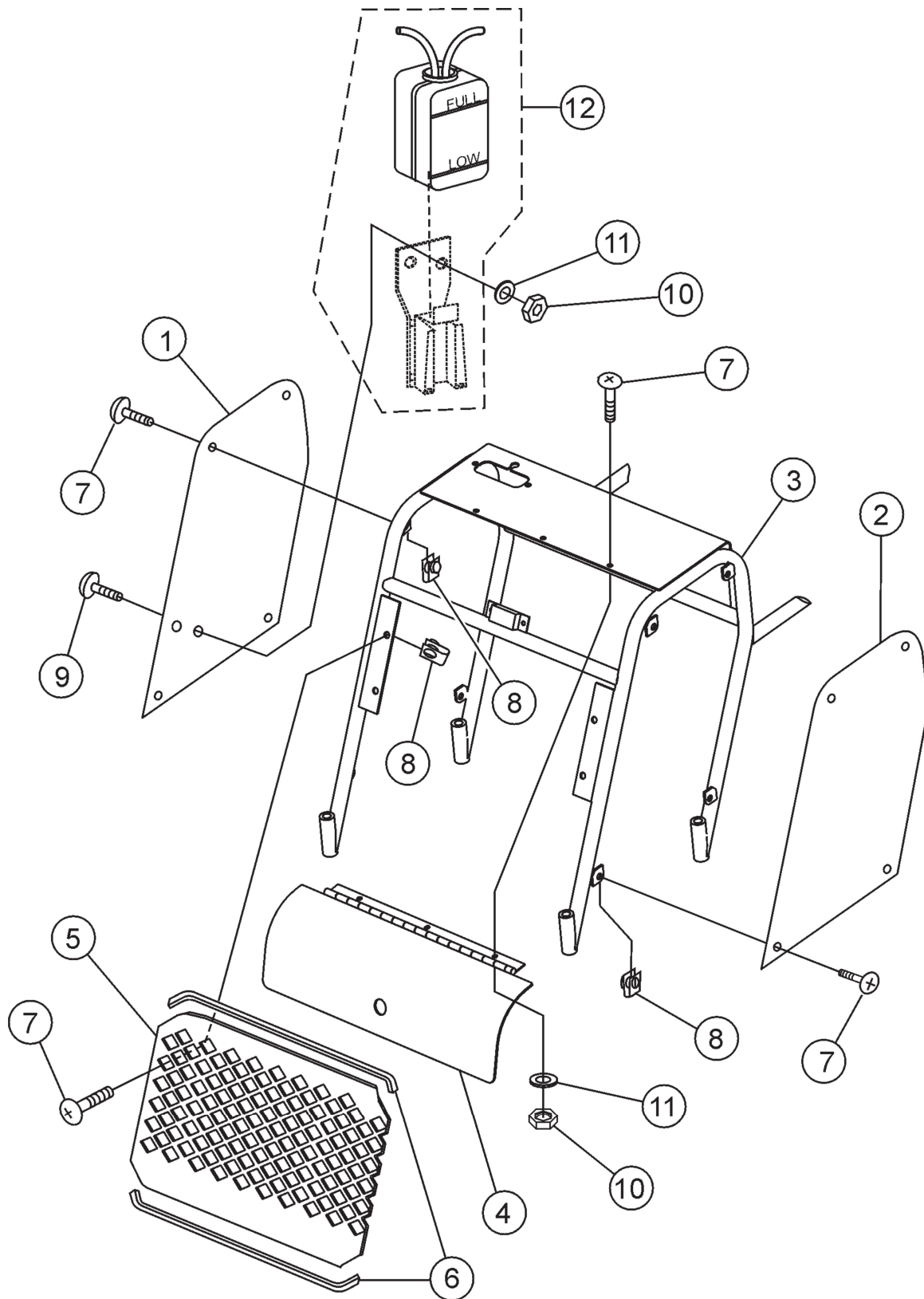


LOCATOR DECALS

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	11246	DECAL, INTL STDS, ISO	1	SEE DECAL SHEET PAGE 66
2	11712	DECAL, ENGINE SPEED	1	
3	20486	DECAL, HYD RIDER COLD START	1	
4	11711	DECAL, INSTRUMENT LIGHT	1	
5	11247	DECAL, SAFETY CLOTHING, ISO	1	
6	20196	DECAL, "MQ" 6.22 X 5.00	1	
7	20207	DECAL, "TURBOCHARGED" 0.80 X 9.00	1	
8	11811	DECAL, DIESEL FUEL	1	
9	20209	DECAL, "HYDROSTATIC" 16.00 X 1.73	1	
10	2814	DECAL, KEY SWITCH LIGHTS	1	
11	20200	DECAL, "HTH SERIES" 5.00 X 3.30	1	
12	13118	DECAL, POWDER COATED	1	
13	10818	DECAL, "MQ WHITEMAN" 24 X 3	1	
14	10024	NUT, NYLOC 1/4- 20	2	
15	12288	SCREW, THP 1/4- 20 X 1 SS	2	
16	12401	DECAL, PRESSURIZED TANK CAUTION	1	
17	1499	DECAL, "MQ WHITEMAN"	2	
18	2300	DECAL, AL PITCH RH	1	
19	2332	DECAL, AL PITCH LH	1	
20	2634	DECAL, SPRING SAFETY	2	

HTH44T—TOP PANEL (LEFT) ASSY.

TOP PANEL (LEFT)



HTH44T—TOP PANEL (LEFT) ASSY.

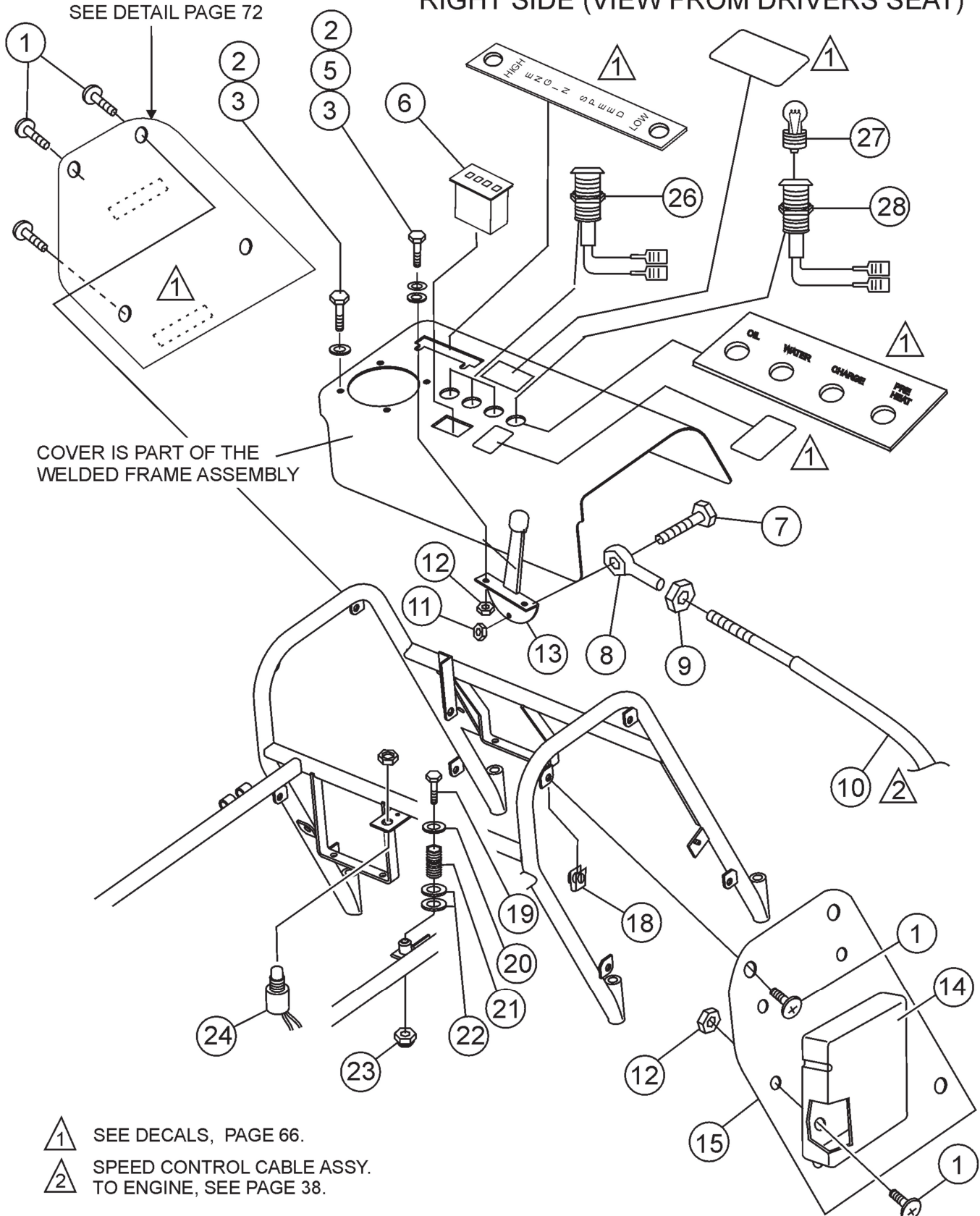
TOP PANEL (LEFT)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	20022	PANEL, LEFT FRONT	1	
2	20047	PANEL, LEFT BACK	1	
3	20032	SEAT FRAME	1	
4	20063	PANEL, SEAT FRAME TOP LEFT	1	
5	20104	COVER, OIL COOLER	1	
6	60049	TRIM EDGE, 1/32 (62B3- 1732)	4	
7	12287	SCREW, THP1/4- 20 X 3/4 SS	12	
8	11534	NUT, U- TYPE 1/4- 20	12	
9	12288	SCREW, THP 1/4- 20 X 1 SS	6	
10	10024	NUT, NYLOC 1/4- 20	5	
11	0948	WASHER, FLAT 1/4 SAE	5	
12	11983	TANK, OVERFLOW (RADIATOR)	1	INCLUDES BOTTLE, BRACKET AND HOSES

HTH44T—TOP PANEL (RIGHT) ASSY.

TOP PANEL (RIGHT)

RIGHT SIDE (VIEW FROM DRIVERS SEAT)



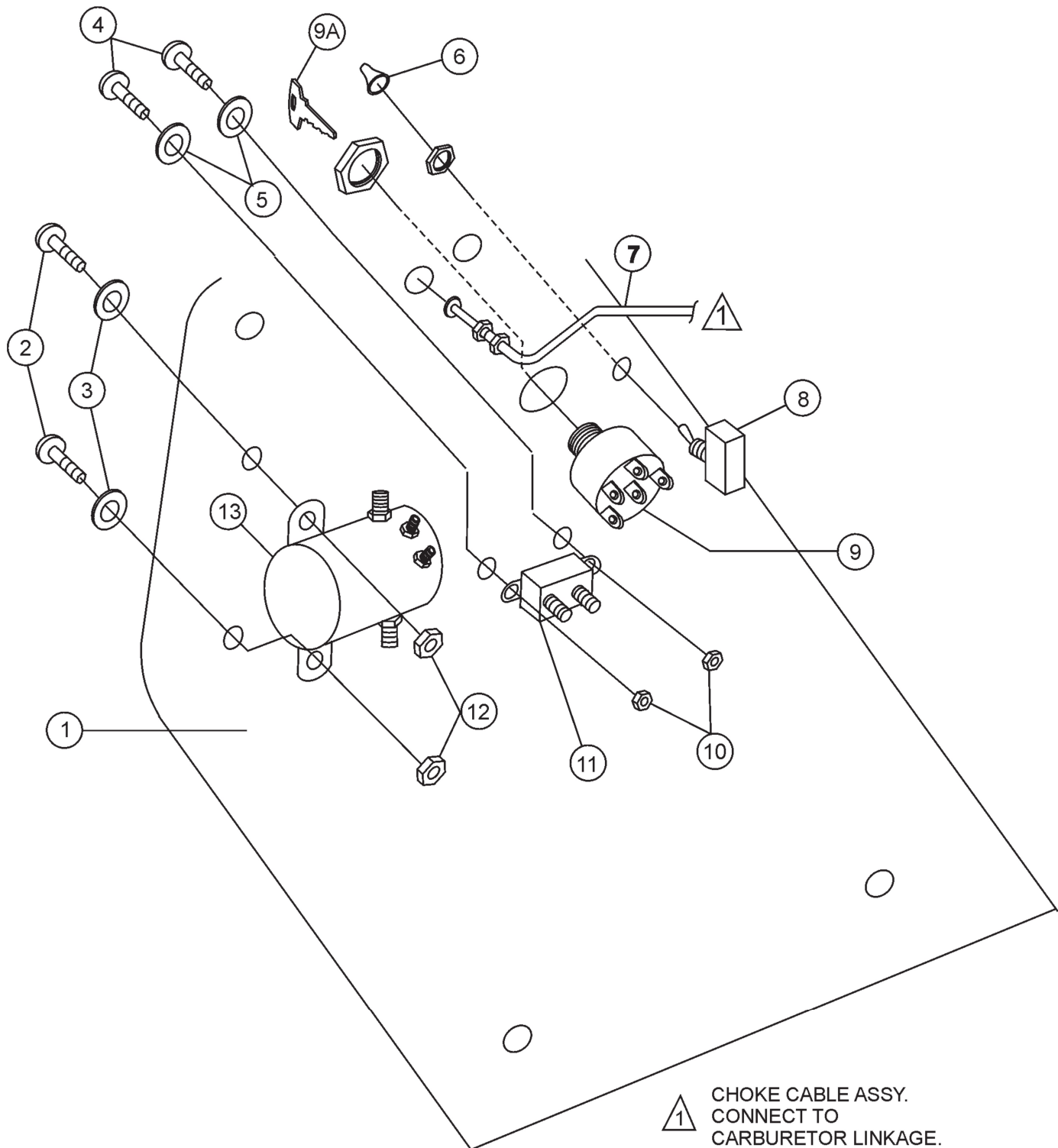
HTH44T—TOP PANEL (RIGHT) ASSY.

TOP PANEL (RIGHT)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	12287	SCREW, THP1/4- 20 X 3/4 SS	16	
2	12288	SCREW, THP 1/4- 20 X 1 SS	6	
3	0948	WASHER, FLAT 1/4 SAE	6	
5	0181B	WASHER, LOCK 1/4 MED	1	
6	11694	HOUR METER	1	
7	3513	SCREW, HHC 10- 32 X 1	1	
8	2153	ROD END, 10- 32 FEMALE RH.	1	
9	0937	NUT, HEX #10- 32	1	
10	10568	CABLE, THROTTLE, HONDA RIDER	1	
11	10019	NUT, NYLOC 10- 32	2	
12	10024	NUT, NYLOC 1/4- 20	6	
13	11379	LEVER, ENGINE SPEED CONTROL	1	
14	29057	DOCUMENT BOX, (CP90007- 07)	1	
15	20021	PANEL, RIGHT BACK	1	
18	11534	NUT, U- TYPE 1/4- 20	8	
19	0169	SCREW, HHC 3/8- 16 X 3.0 LG	1	
20	4001	WASHER, FLAT 3/8 USS PLD	1	
21	11593	SPRING, SEAT (CENTURY #10321)	1	
22	11265	WASHER, STEERING HANDLE	2	
23	10133	NUT, NYLOC 3/8- 16	1	
24	12005	SWITCH, KILL COLE-HER #90036-2	1	
26	11382	PLUG, OIL, WATER, CHARGE (RED)	1	
27	12307	BULB, INDICATOR LIGHT	1	
28	11585	PLUG, PREHEAT LIGHT (BLUE)	1	

HTH44T— FRONT PANEL (RIGHT) ASSY.

FRONT PANEL (RIGHT)



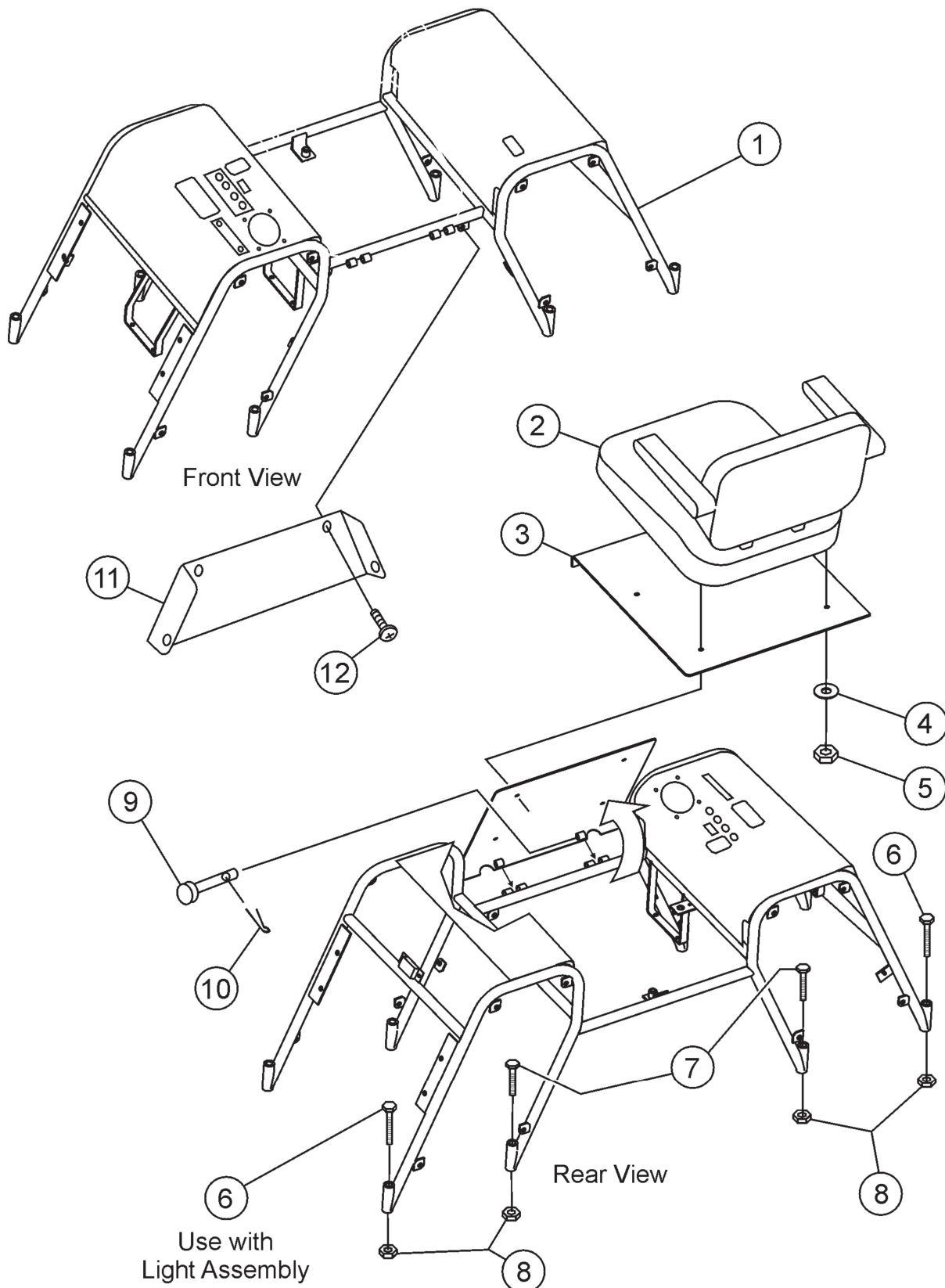
HTH44T— FRONT PANEL (RIGHT) ASSY.

FRONT PANEL (RIGHT)

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	20034	PANEL, RIGHT FRONT	1	
2	12287	SCREW, THP 1/4- 20 X 3/4 SS	2	
3	0948	WASHER, FLAT 1/4 SAE	2	
4	5065B	SCREW, RHM 10- 32 X 1/2	2	
5	2203	WASHER, FLAT #10 SAE	2	
6	8381	BOOT, TOGGLE SWITCH	1	
7	10568	CABLE, THROTTLE, HONDA RIDER	1	
8	4682	SWITCH, TOGGLE ELEC. #9061	1	
9	20511	SWITCH, IGNITION (W/KEYS)	1	
9A	12627	UNIVERSAL KEY SET	1	
10	10019	NUT, NYLOC 10 - 32	2	
11	11098	CIRCUIT BRKR.WAYTEK #46540 40 AMP	1	
12	10024	NUT, NYLOC 1/4- 20	2	
13	11792	ACCESSORY SOLENOID	1	

HTH44T— SEAT AND FRAME ASSY.

SEAT AND FRAME



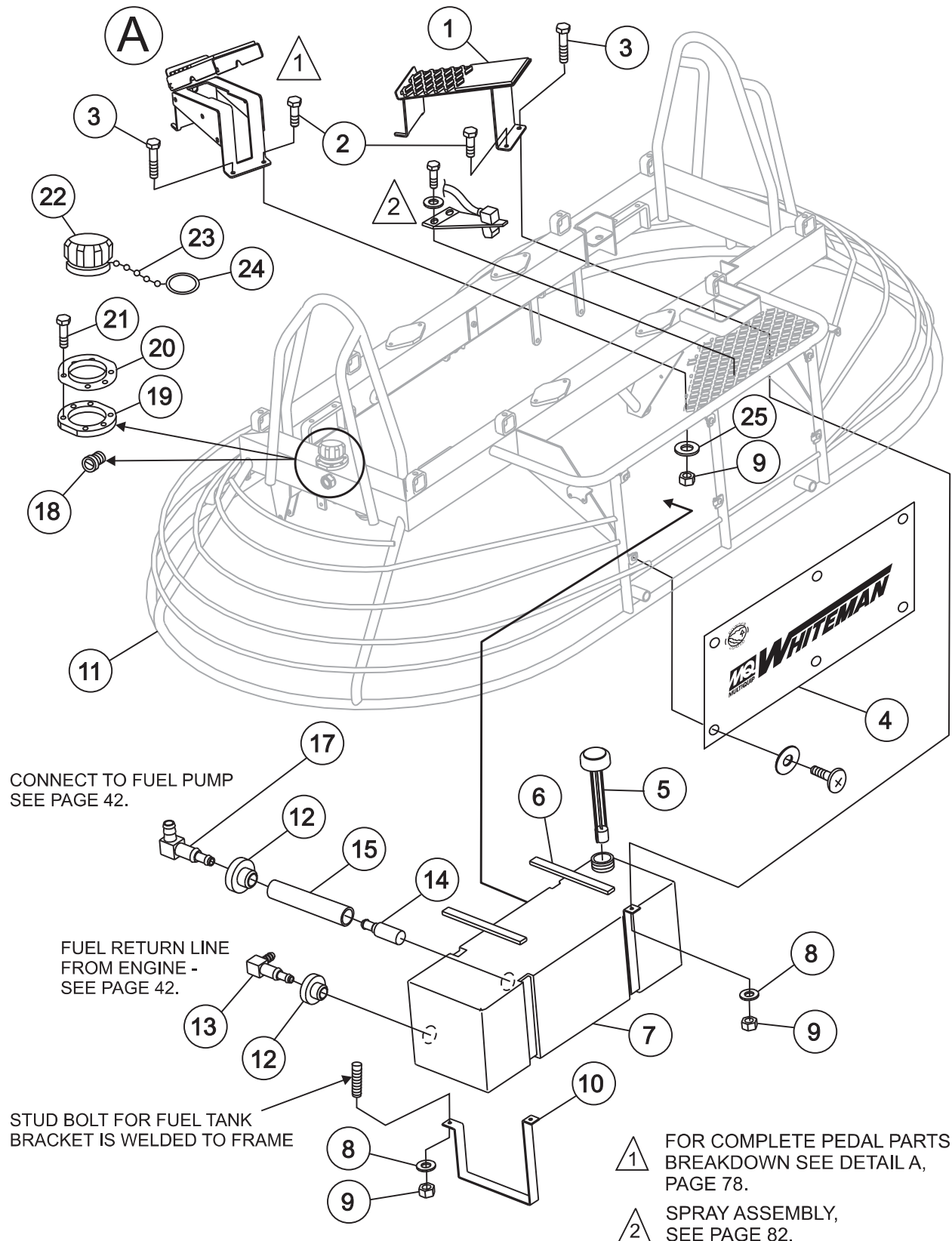
HTH44T— SEAT AND FRAME ASSY.

SEAT AND FRAME

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	20032	FRAME, SEAT	1	
2	11632	SEAT W/ ARM REST	1	
3	20059	PLATE, SEAT HTH- 44T	1	
4	0300B	WASHER, FLAT 5/16 SAE	4	
5	5283	NUT, NYLOC 5/16- 18	4	
6	10306	SCREW, HHC 1/2- 13 X 4 1/2	4	
7	8087	SCREW, HHC 1/2- 13 X 4	4	
8	10176	NUT, NYLOC 1/2- 13	8	
9	8081	PIN, CLEVIS 1/2 X 2.75 EFF.	2	
10	0183	PIN, COTTER 1/8 1- 1/4	2	
11	20061	PANEL, FRONT CENTER SEAT FRAME	1	
12	12287	SCREW, THP1/4- 20 X 3/4 SS	4	

HTH44T— FRAME AND FUEL TANK ASSY.

FRAME AND FUEL TANK ASSY.



HTH44T— FRAME AND FUEL TANK ASSY.

FRAME AND FUEL TANK ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	11628	FOOT REST, LEFT	1	
2	0202	SCREW, HHC 5/16- 18 X 1	2	
3	0105	SCREW, HHC 5/16- 18 X 1 1/2	2	
4	11678	PANEL, FRONT HTH/STH	1	
5	11418	FUEL CAP/ GAUGE (10.5)	1	
6	12025	SPACER, FUEL TANK	2	
7	11922	TANK, 12 GALLON FUEL POLYETHYLENE	1	
8	0300B	WASHER, FLAT 5/16 SAE	4	
9	5283	NUT, NYLOC 5/16- 18	6	
10	12021	BRACKET, FUEL TANK SUPPORT	2	
11	20160	FRAME	1	
12	19633	BUSHING, RUBBER FUEL	2	
13	12006	FITTING, 90 03BARB- 4BARB FUEL	1	
14	12010	SCREEN, FUEL (DAPCO 11656)	1	
15	60058	HOSE, FUEL YELLOW 1/4 X 3/8 X 2"	1	
17	12023	FITTING, 90 05BARB- 4BARB FUEL	1	
18	11584	SIGHT GLASS, 3/4 MALE PIPE	1	
19	12489	FLANGE GASKET	1	
20	ZINFB04	BASE	1	
21	ZINPS0014	SCREW, #10 - 32 1/2	6	
22	12332	CAP, HYD 5PSI 10 MICRON	1	
23	ZINFB15	JACK CHAIN, #16 SINGLE	1	
24	ZINFB08	CHAIN RING	1	
25	3233	WASHER, FENDER 1.50D X 3/8 ID	2	

HTH44T— FOOT PEDALS ASSY.

FOOT PEDALS ASSY.

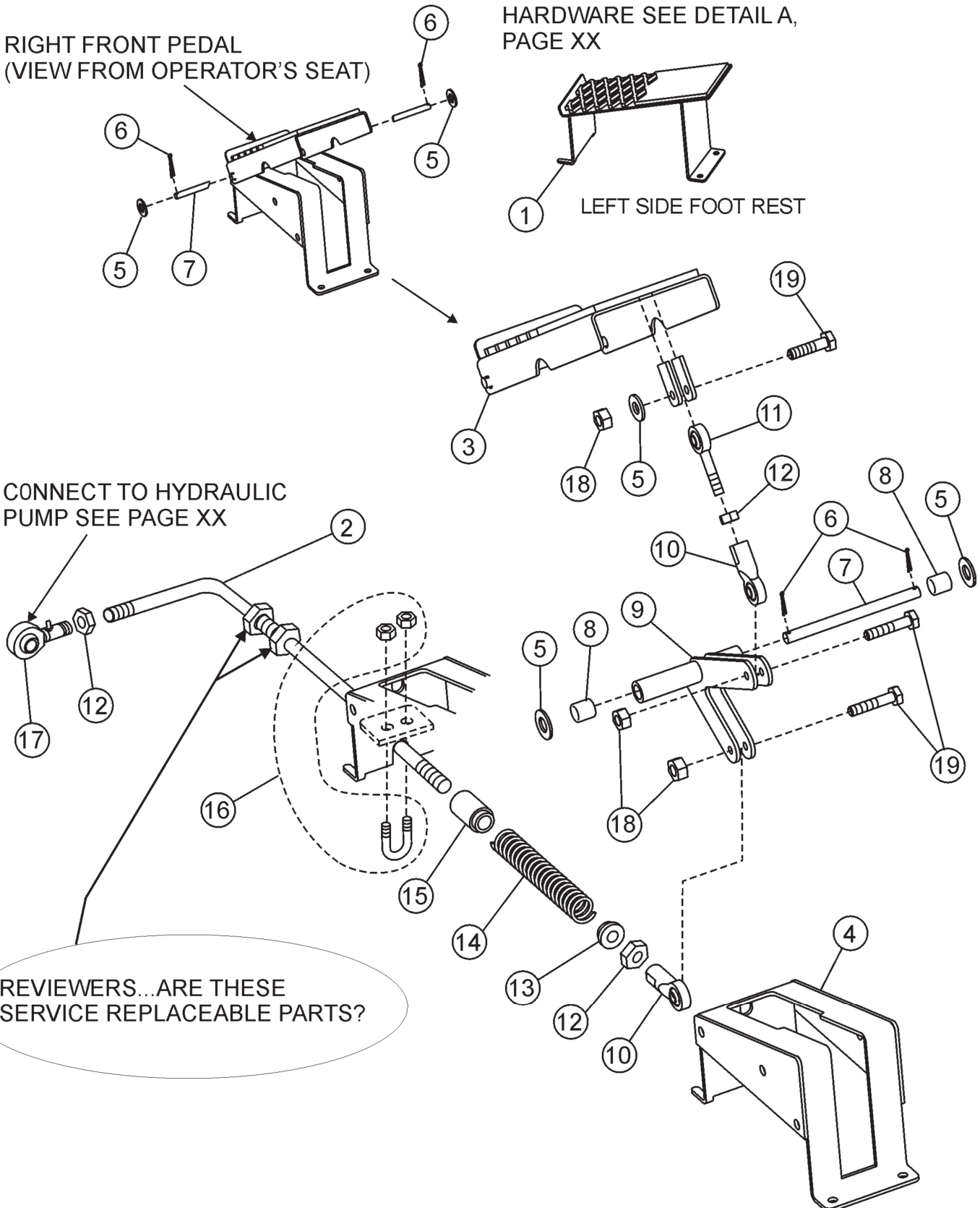
RIGHT FRONT PEDAL
(VIEW FROM OPERATOR'S SEAT)

FOR PEDAL MOUNTING
HARDWARE SEE DETAIL A,
PAGE XX

LEFT SIDE FOOT REST

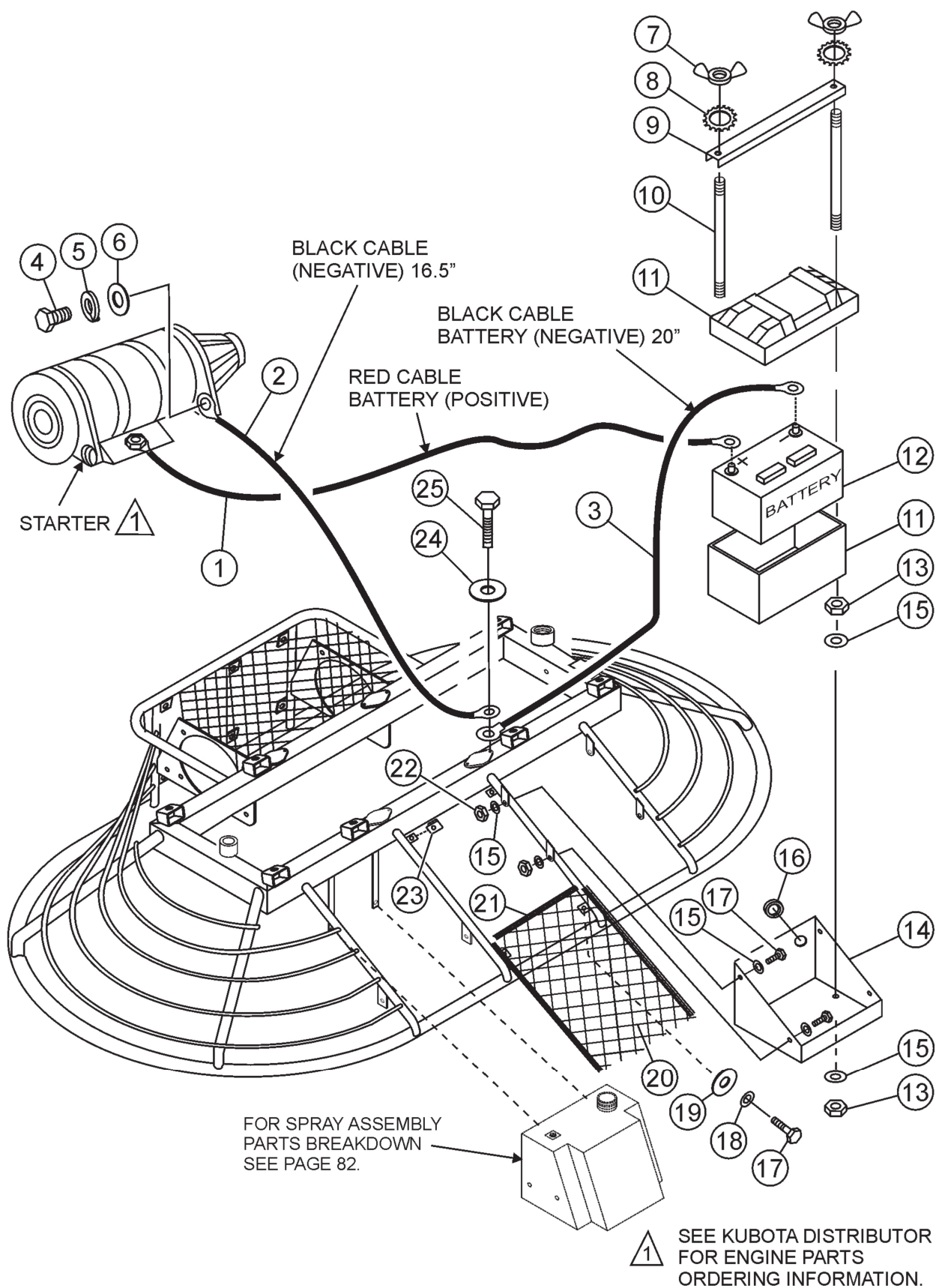
CONNECT TO HYDRAULIC
PUMP SEE PAGE XX

REVIEWERS...ARE THESE
SERVICE REPLACEABLE PARTS?



FOOT PEDALS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	11628	FOOT REST, LEFT W/A	1	
2	11491	CABLE, THROTTLE ASM	1	
3	11228	ACCELERATOR PEDAL	1	
4	11199	BASE, SPEED CONTROL PEDAL	1	
5	10136	WASHER, FLAT 3/8 SAE	5	
6	6014B	PIN, COTTER 3/32 X 1	4	
7	11677	PIN, SPEED CONTROL LEVER	2	
8	1484	BUSHING, BRONZE	2	
9	11656	ROCKER, SPEED CONTROL	1	
10	11611	ROD END, 1/4- 28 FEMALE RH	2	
11	11643	ROD END, 1/4- 28 MALE RH	1	
12	19378	NUT, HEX JAM 1/4- 28	3	
13	2755	ADAPTER, THROTTLE SPRING, SHORT	1	
14	11641	SPRING, THROTTLE RETURN	1	
15	11638	ADAPTER, SPEED CTRL SPRING	1	
16	11492	U- BOLT, CABLE	1	
17	20003	ROD END, 1/4- 28 FEMALE RH W/ZERK	1	
18	10024	NUT, NYLOC 1/4- 20	3	
19	0730	SCREW, HHC 1/4- 20 X 1	3	

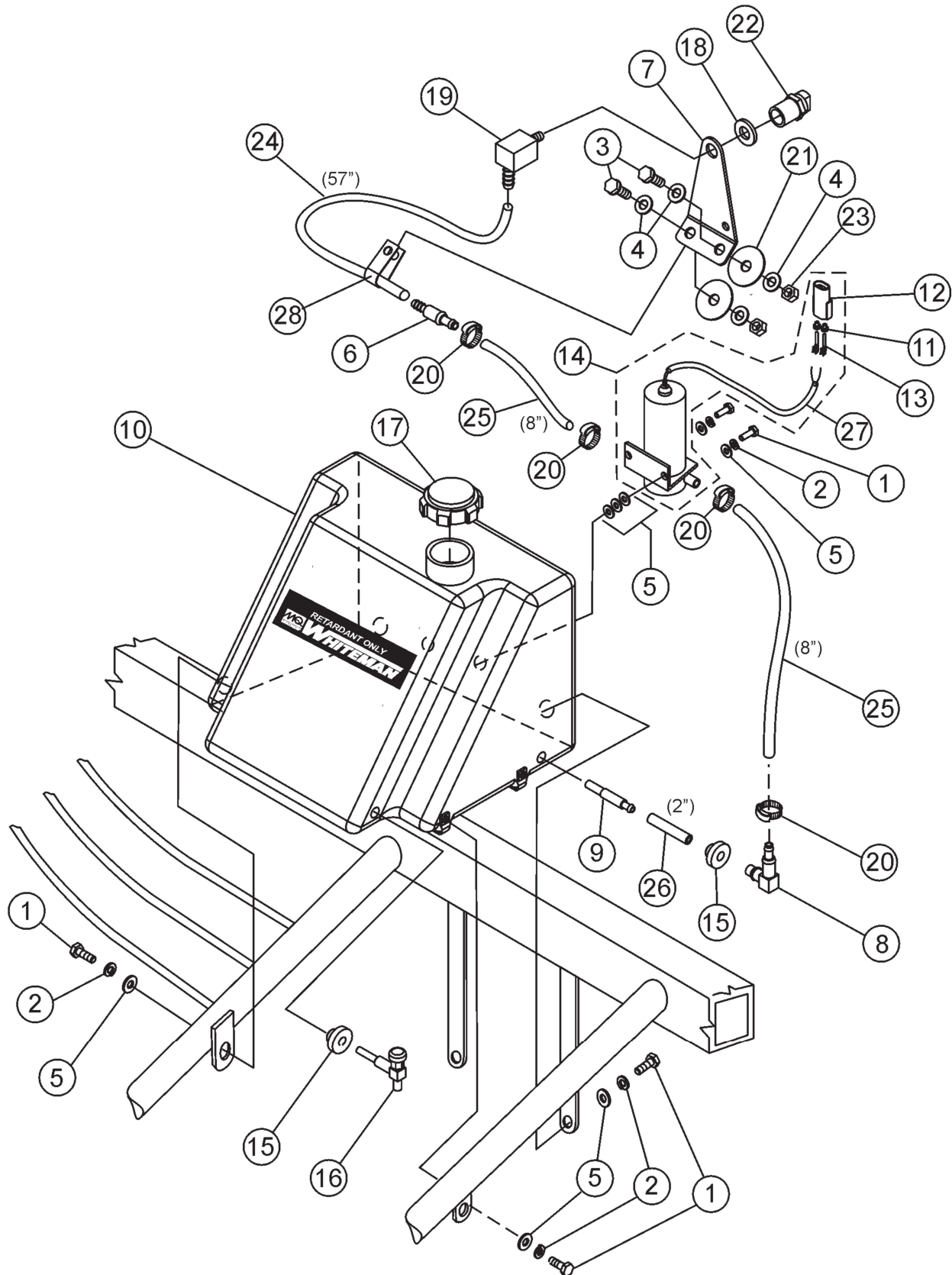


BATTERY ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	10314	BATTERY CABLE (RED)	1	
2	1597	CABLE ASM., BLK (NEG) 16.5	1	
3	10313	CABLE, NEG BATTERY BLACK 20	1	
4	1605	SCREW, HHC M8- 1.25 X 25MM	1	
5	0161C	WASHER, LOCK, 5/16 MED.	1	
6	0479	WASHER, EXT SHKP 3/8 PLTD	1	
7	2509	WING NUT PLATED	2	
8	10031	WASHER, EXT SHKP 1/4	2	
9	11692	BRACKET, BATTERY BOX	1	
10	11693	BOLT, BATTERY BRKT	2	
11	10318	BATTERY BOX, GROUP 24	1	
12	10315	BATTERY 12V WET GROUP	1	
13	0949	NUT, HEX FINISH 1/4- 20	4	
14	11362	BATTERY BOX	1	
15	0948	WASHER, FLAT, 1/4 SAE	12	
16	13212	GROMMET, 1- 1/4 ID (MINOR #Z- 7141)	2	
17	0730	SCREW, HHC 1/4- 20 X 1	6	
19	10930	WASHER, FENDER 1/4 X 1 1/4	4	
20	11680	COVER, REAR MAIN FRAME	1	
21	60052	TRIM EDGE, 3/16 (100B3-3/16)	4.0	 SOLD IN FOOT-LENGTHS
22	10024	NUT, NYLOC 1/4- 20	4	
23	11534	NUT, U TYPE 1/4- 20	4	
24	0166A	WASHER, LOCK, 3/8 MED	1	
25	11691	SCREW, HHC 3/8 - 24 X 3/4	1	

HTH44T—SPRAY ASSY.

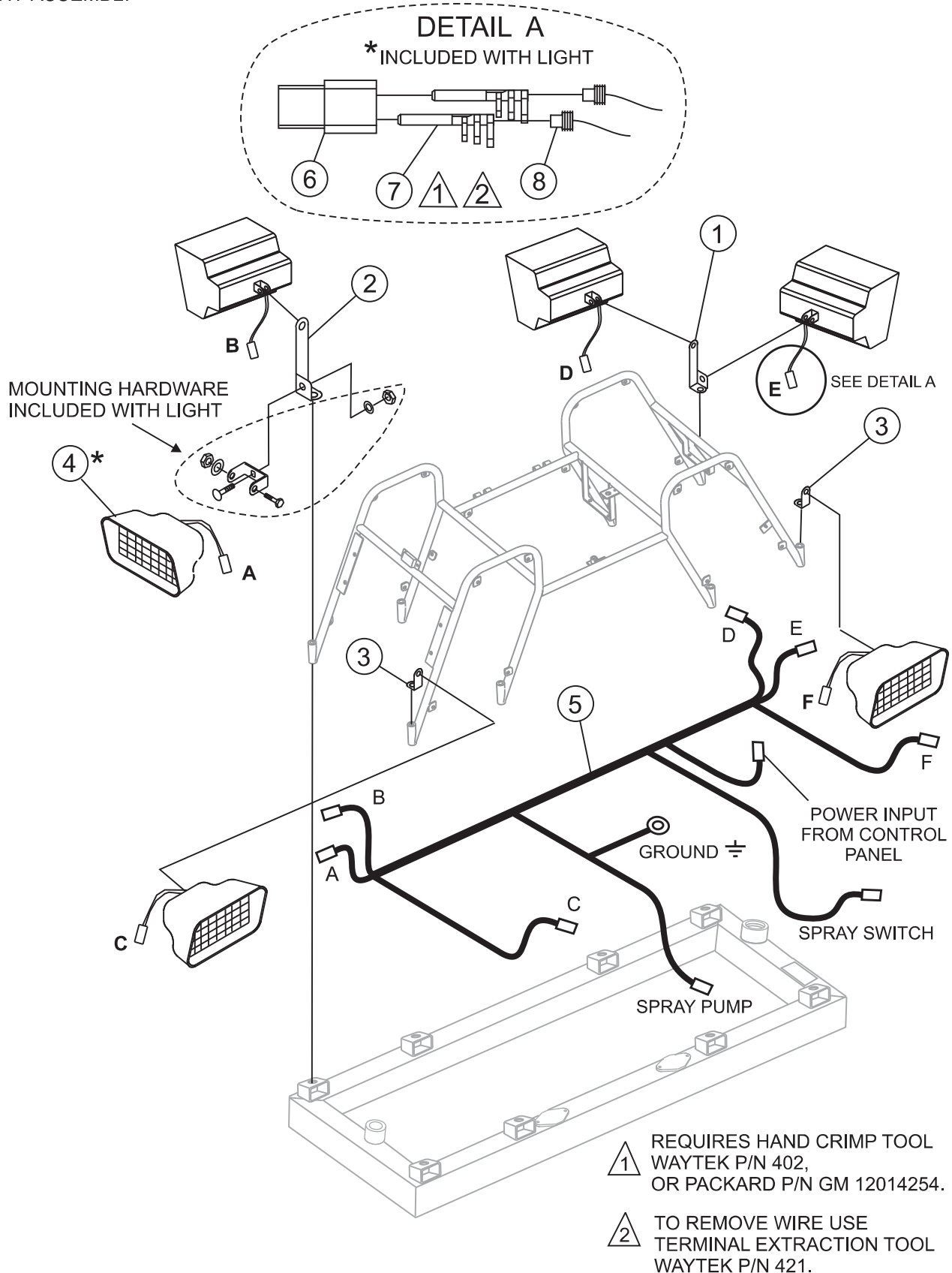
SPRAY ASSY.



SPRAY ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	0131A	SCREW, HHC 1/4- 20 X 3/4	5	
2	0181B	WASHER, LOCK, 1/4 MED	5	
3	0202	SCREW, HHC 5/16- 18 X 1	2	
4	0300B	WASHER, FLAT 5/16 SAE	4	
5	0948	WASHER, FLAT 1/4 SAE	8	
6	10022	FITTING, PLASTIC PLASTIC	1	
7	11222	MOUNTING BRACKET, SPRAY NOZZLE	1	
8	12008	FITTING, 90 FUEL	1	
9	12009	SCREEN, FILTER DAPCO 11604	1	
10	12036	TANK, RETARDANT 5 GALLONS	1	
11	12171	SEAL, W/ PACK 16- 18 (GRN)	2	
12	12176	CONNECTOR, W/ PACK 2 PIN SHROUD	1	
13	12179	TERMINAL, W/ PACK MALE 14- 16 GA	2	
14	12548	PUMP, SPRAY	1	
15	19633	BUSHING, RUBBER FUEL	2	
16	19661	VALVE, FUEL DAPCO PN 10531	1	
17	2108	CAP, SPRAY TANK	1	
18	2898	WASHER, BONDED NEOPRENE 1 X 1/2	1	
19	2912	FITTING, 90 DEGREE	1	
20	2918	CLAMP, HOSE .475- .536 ID	4	
21	3233	WASHER, FENDER 1.50 D X 3/8 ID	2	
22	392292	NOZZEL, SPRAY	1	
23	5283	NUT, NYLOC 5/16- 18	2	
24	60001	HOSE, .25 ID X .375 OD TYGON.....	4.75FT	SOLD IN FOOT-LENGTHS
25	60002	HOSE, .375 ID X .5 OD TYGON.....	1.34FT	SOLD IN FOOT-LENGTHS
26	60058	HOSE, 1/4 X 3/8 PVC FUEL YELLOW	0.17FT	SOLD IN FOOT-LENGTHS
27	60221	LOOM, .375 SPLIT	0.5FT	SOLD IN FOOT-LENGTHS
28	8128	CLAMP, HOSE SUPPORT, 5/16	1	

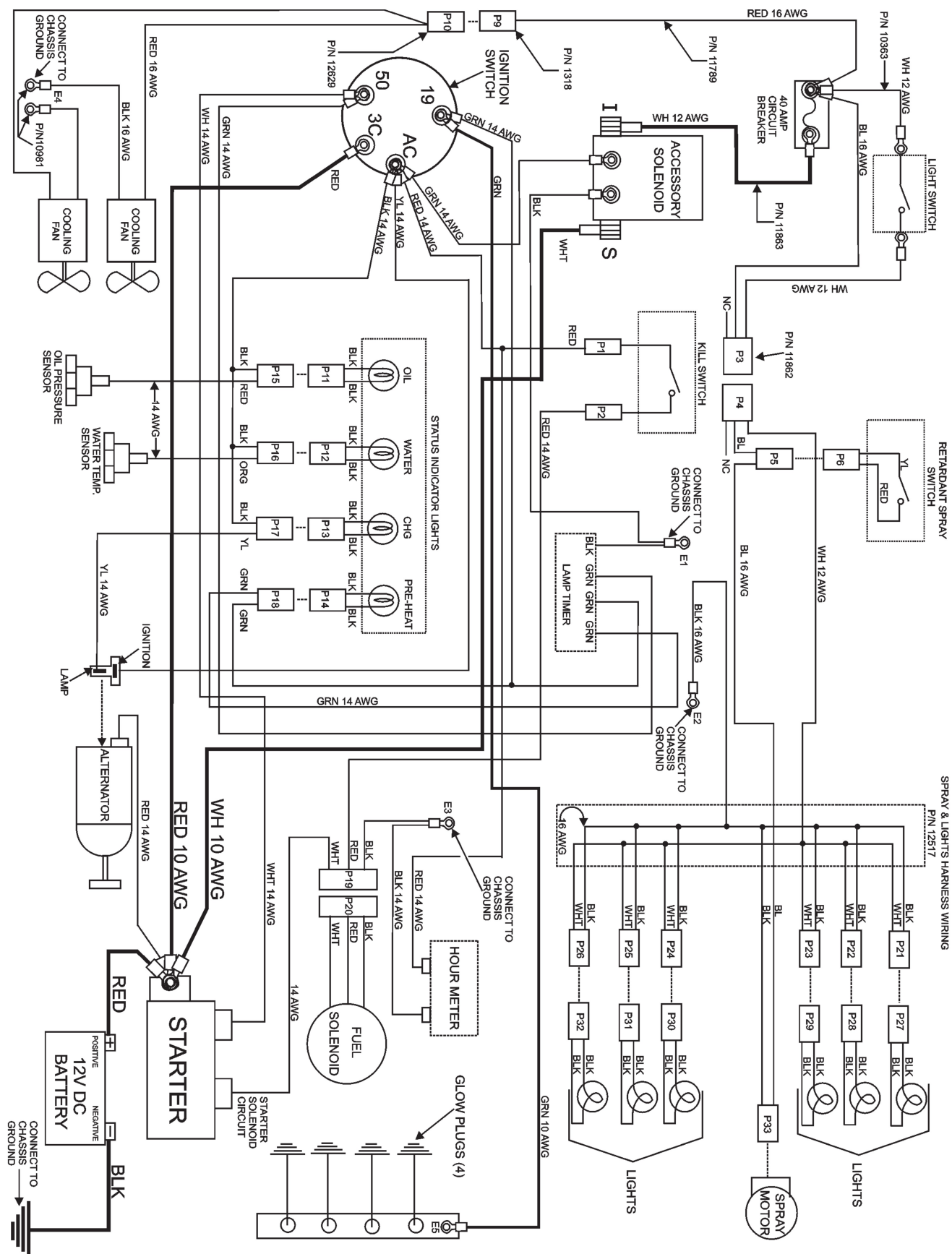
LIGHT ASSEMBLY



LIGHT ASSEMBLY

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	11741	BRACKET, LIGHT, RIGHT SIDE	1	
2	11742	BRACKET, LIGHT, LEFT SIDE	1	
3	12355	BRACKET, LIGHT	2	
4	12377	KIT, LIGHT ASSEMBLY	6	INCLUDES ITEMS W/ *
5	12517	WIRE ASM, SPRAY & LIGHT	1	
6*	12176	CONNECTOR, W'PACK 2PIN SHROUD	6	
7*	12179	TERMINAL, W'PACK MALE 14 - 16 GA	12	
8*	12171	SEAL, W'PACK 16 - 18 (GRN)	12	

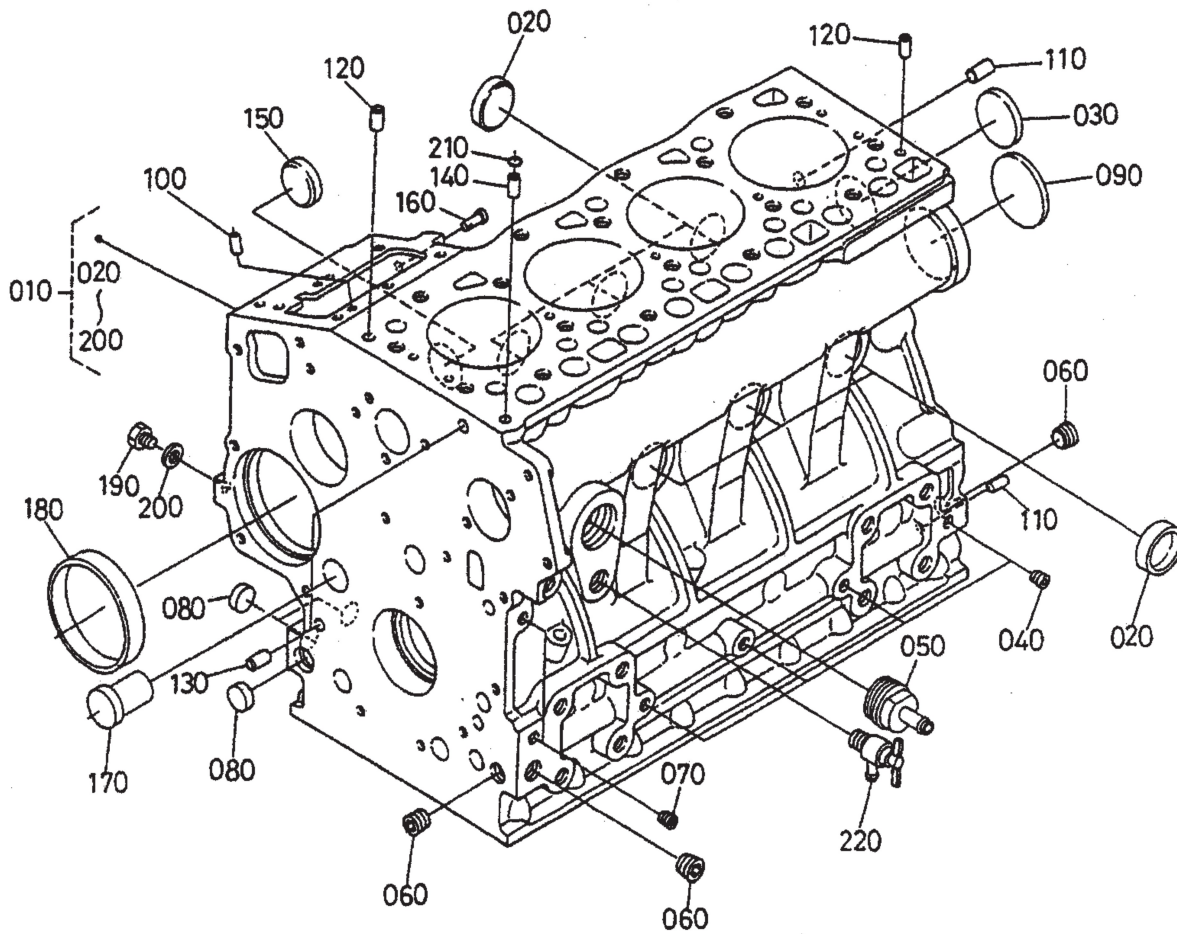
HTH44T—WIRING DIAGRAM



[illegible]

KUBOTA V-1505 — CRANKCASE ASSY.

CRANKCASE ASSY.

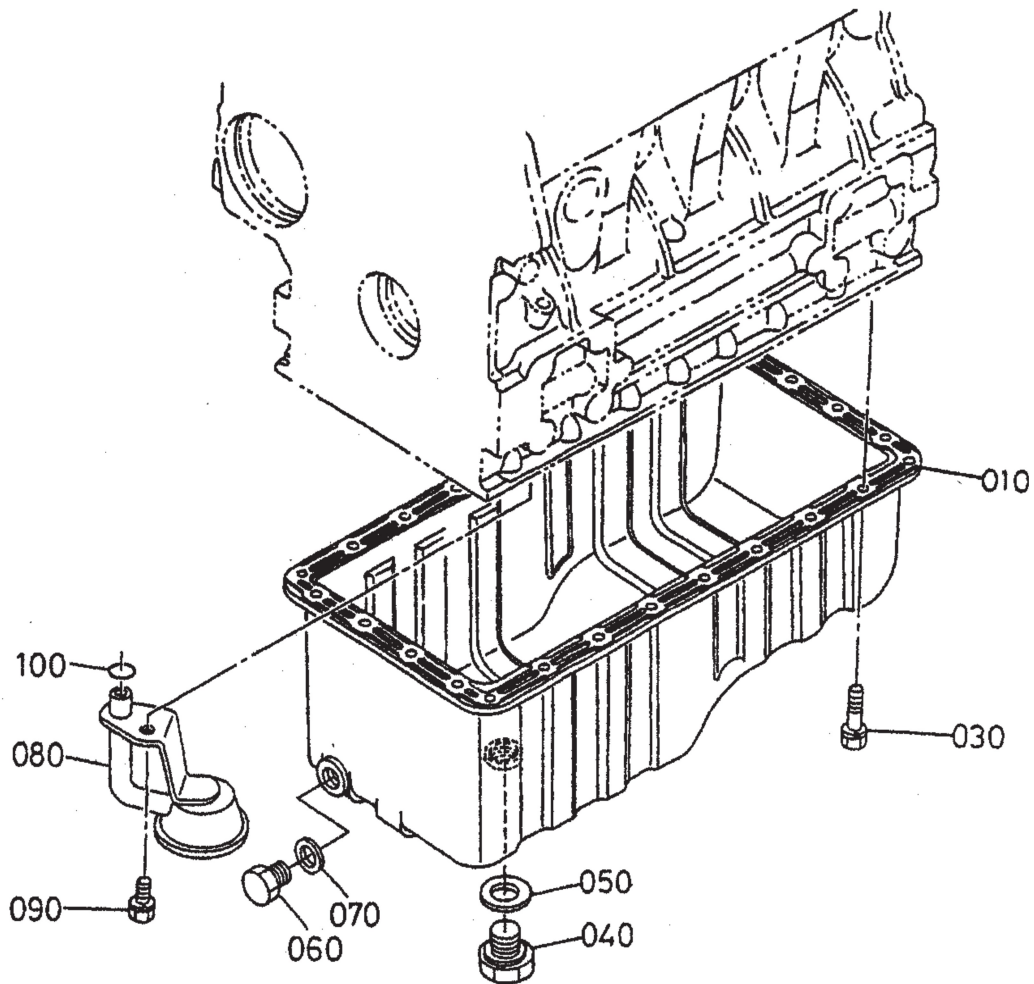


KUBOTA V-1505 — CRANKCASE ASSY.

CRANKCASE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1E03501010	COMP. CRANKCASE	1	
020	1545196270	CAP, SEALING	6	
030	1522103490	CAP, SEALING	1	
040	1526196010	PLUG	4	
050	1624173170	JOINT, DRAIN PIPE	1	
060	1624196010	PLUG	3	
070	1552196020	PLUG	2	
080	1739196160	PLUG, EXPANSION	3	
090	1627196160	PLUG, EXPANSION	1	
100	0501200508	PIN, STRAIGHT	2	
110	0501200814	PIN, STRAIGHT	2	
120	0501200610	PIN, STRAIGHT	2	
130	1523133960	PIN, PIPE	2	
140	1624133650	PIN, PIPE	1	
150	1624196262	PLUG, FUEL CAMSHAFT	1	
160	1522156280	PIN, START SPRING	1	
170	1628296010	PLUG	1	
180	1627155350	BUSH, GOVERNOR GEAR	1	
190	1522133610	PLUG	1	
200	1502133660	GASKET	1	
210	1522133700	O- RING	1	
220	1584173020	ASSEMBLY COCK, DRAIN	1	

OIL PAN ASSY.



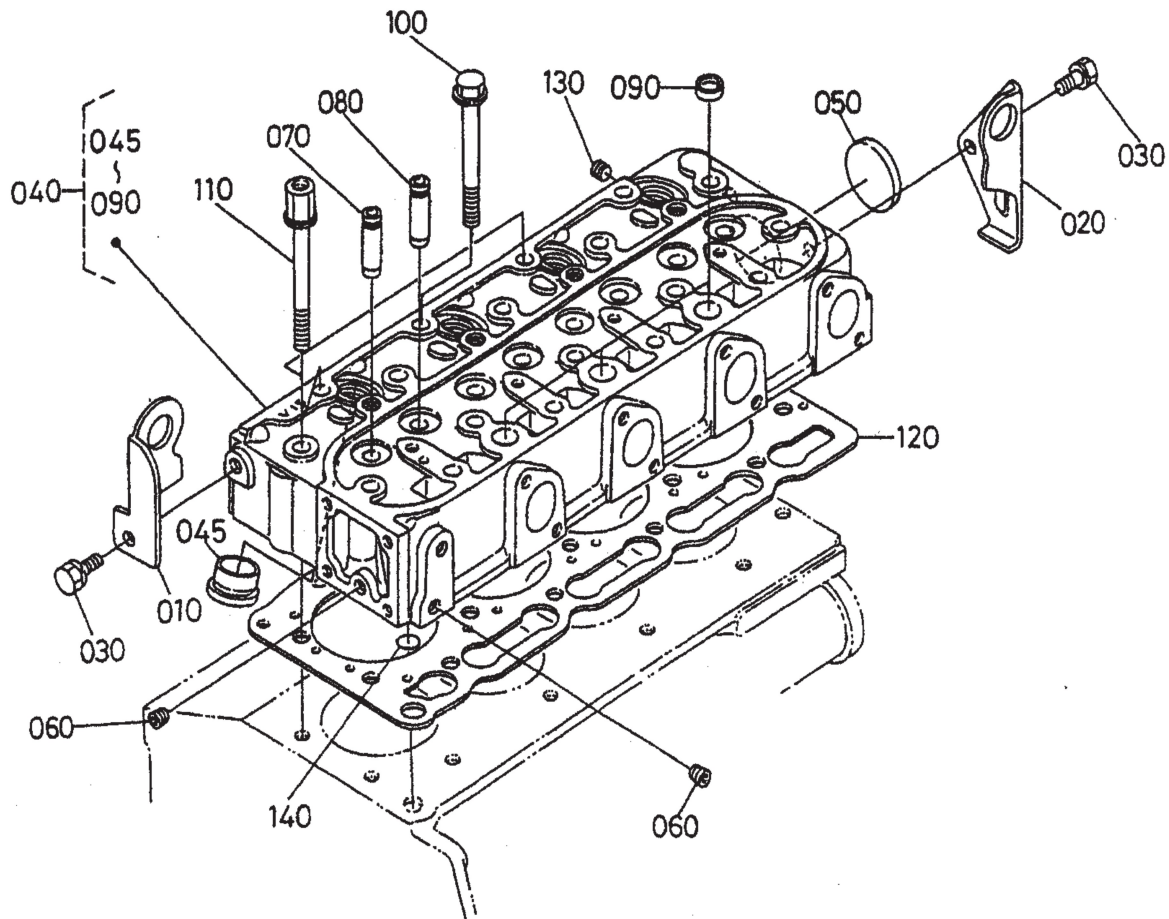
KUBOTA V-1505 — OIL PAN ASSY.

OIL PAN ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1661601500	COMP. OIL PAN	1	
030	0102350612	BOLT	26	
040	1654133750	PLUG, DRAIN	1	
050	1545196670	GASKET	1	
060	1522133750	PLUG	1	
070	6009058960	GASKET	1	
080	1624132114	FILTER, OIL	1	
090	0112360816	BOLT	1	
100	0481400160	O RING	1	

KUBOTA V-1505 — CYLINDER HEAD ASSY.

CYLINDER HEAD ASSY.



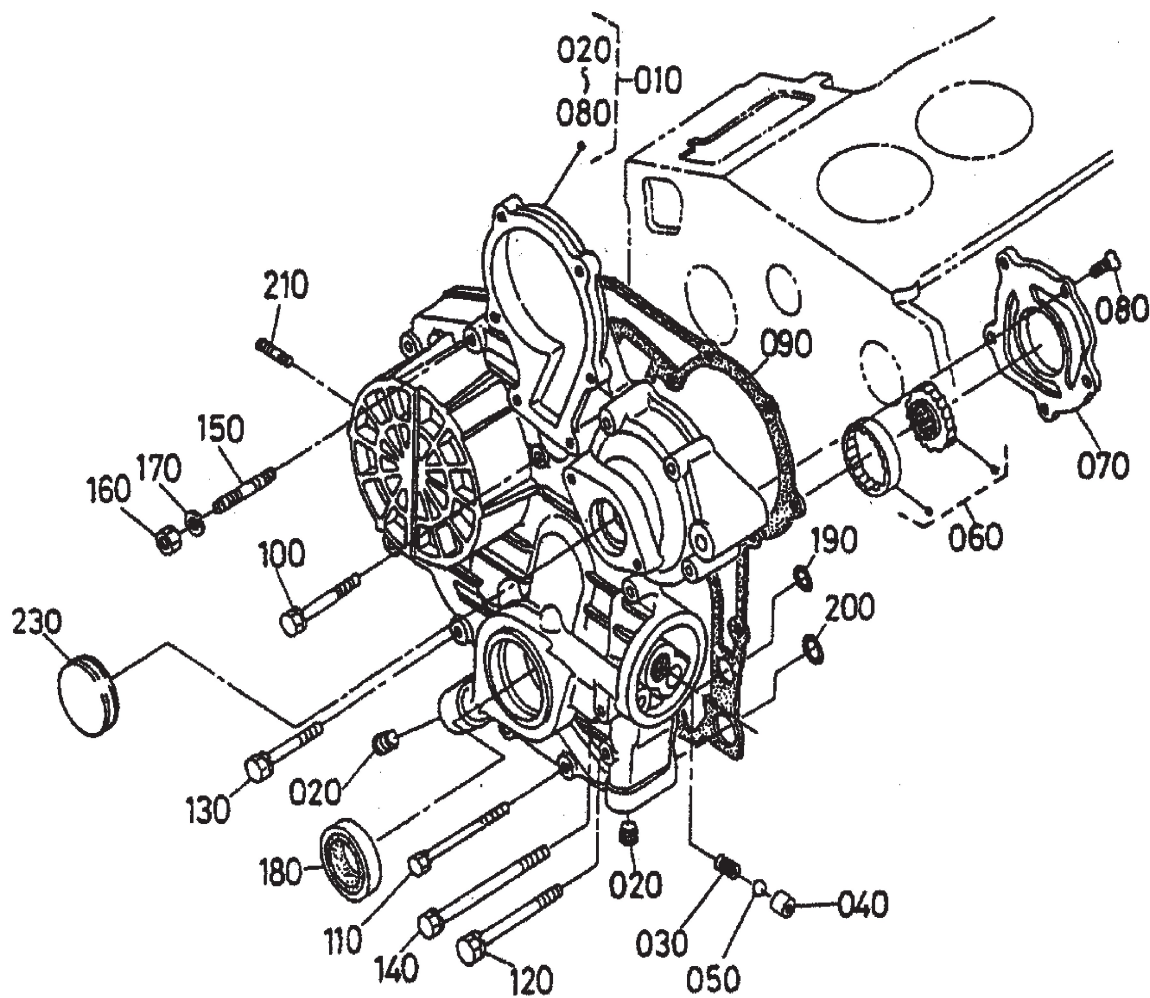
KUBOTA V-1505 — CYLINDER HEAD ASSY.

CYLINDER HEAD ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1624101750	HOOK ENGINE	1	
020	1624101770	HOOK ENGINE	1	
030	0112360814	BOLT	2	
040	1606503040	COMP. CYLINDER HEAD	1	
045	1606503140	COMBUSTION CHAMBER	4	
050	1532196260	CAP, SEALING	1	
060	1526196010	PLUG	2	
070	1624113540	GUIDE, INLET VALVE	4	
080	1624113560	GUIDE, EXHAUST VALVE	4	
090	1526103370	CAP, SEALING	3	
100	1624103450	BOLT, CYLINDER HEAD	15	
110	1627103450	BOLT, CYLINDER HEAD	3	
120	1629203310	GASKET, CYLINDER HEAD	1	
130	1584196020	PLUG	1	

KUBOTA V-1505 — GEAR CASE ASSY.

GEAR CASE ASSY.



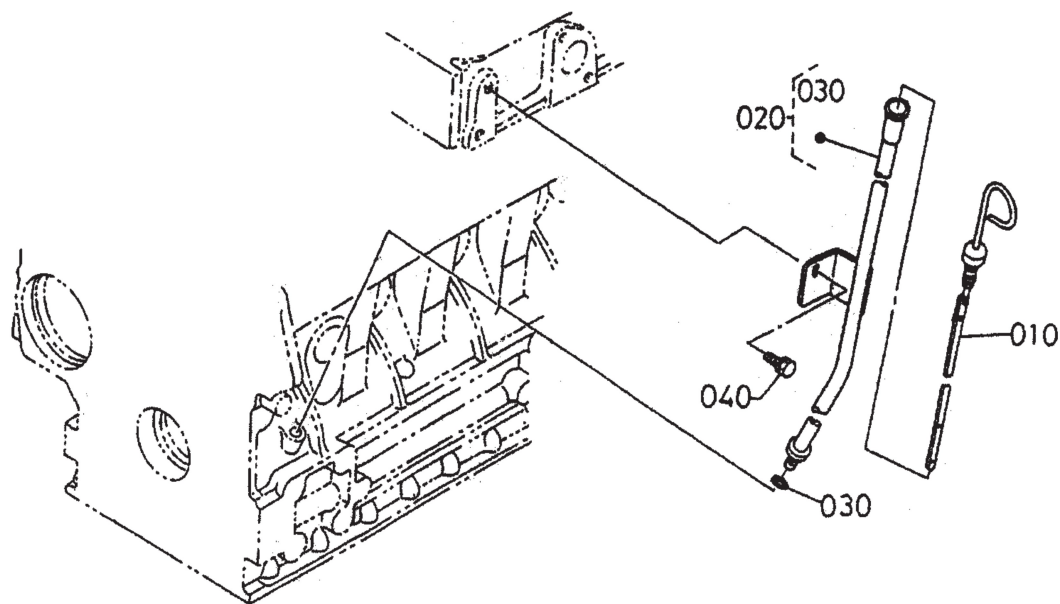
KUBOTA V-1505 — GEAR CASE ASSY.

GEAR CASE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1624104020	COMP. CASE, GEAR	1	
020	1624196020	PLUG	2	
030	1624136950	SPRING	1	
040	1624136930	SEAT, VALVE	1	
050	0771500201	BALL	1	
060	1624135070	ASSEMBLY ROTOR, OIL PUMP	1	
070	1624135130	COVER, OIL PUMP	1	
080	1624193120	SCREW, CSK- HD	5	
090	1626404130	GASKET, GEAR CASE	1	
100	0102350645	BOLT	3	
110	0102360650	BOLT	6	
120	0102350655	BOLT	2	
130	1584191040	BOLT	1	
140	1624191040	BOLT	1	
150	1624591530	STUD	1	
160	0205650060	NUT	1	
170	0451260060	WASHER, SPRING	1	
180	1624104212	SEAL, OIL	1	
190	0481406100	O RING	2	
200	0481400150	O RING	2	
210	1624591540	STUD	2	
230	1626483342	COVER, GEAR CASE	1	

KUBOTA V-1505 — DIPSTICK AND GUIDE ASSY.

DIPSTICK AND GUIDE ASSY.



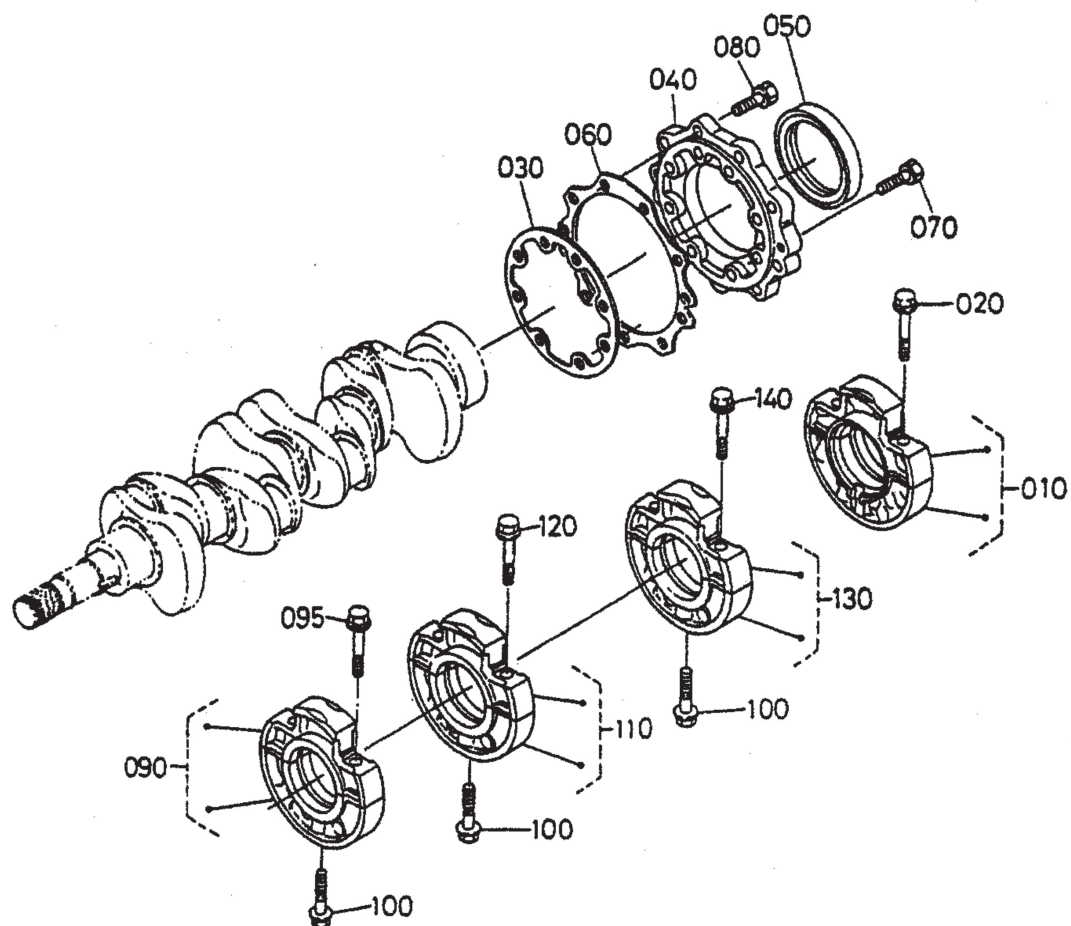
KUBOTA V-1505 — DIPSTICK AND GUIDE ASSY.

DIPSTICK AND GUIDE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1661136412	GAUGE, OIL	1	
020	1628236500	ASSEMBLY GUIDE, OILGAUGE	1	
030	0481400090	O RING	1	
040	0112360814	BOLT	1	

KUBOTA V-1505 — MAIN BEARING CASE ASSY.

MAIN BEARING CASE ASSY.



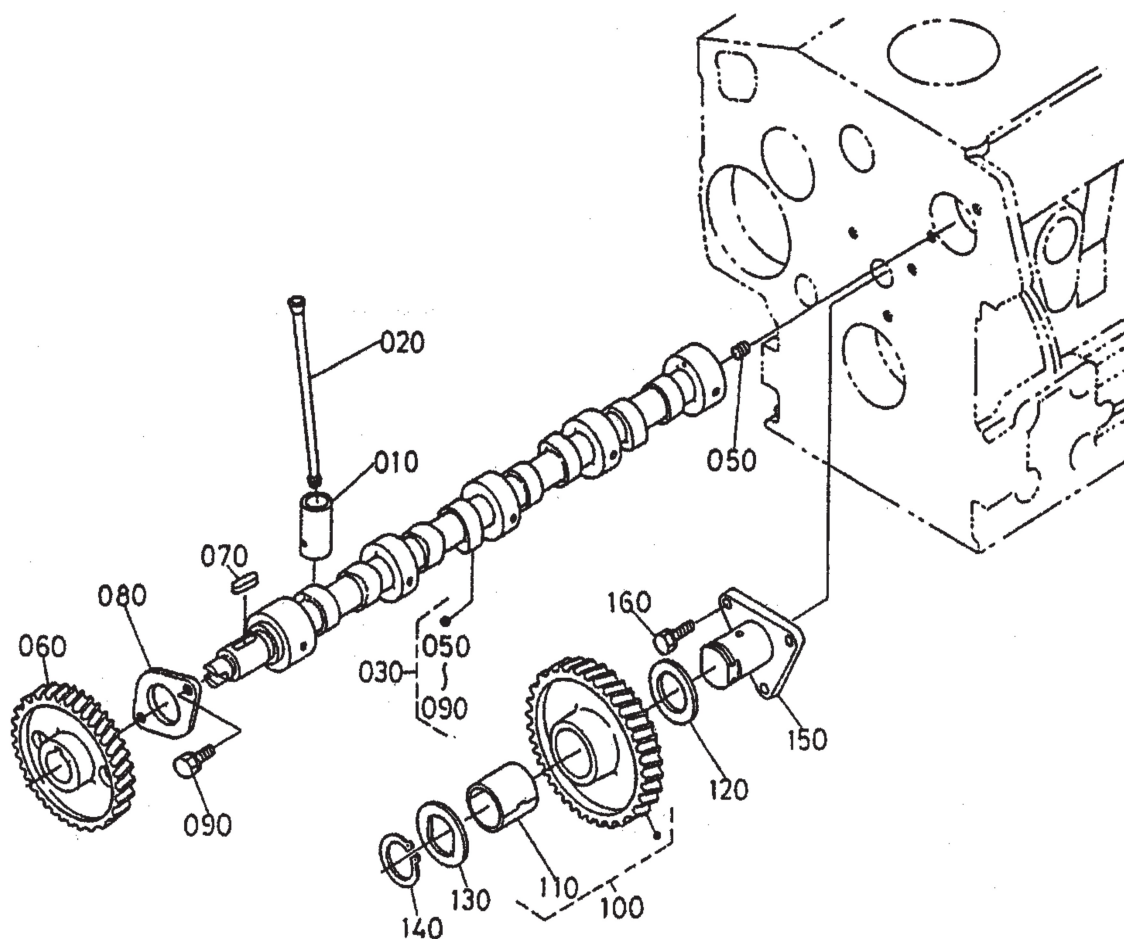
KUBOTA V-1505 — MAIN BEARING CASE ASSY.

MAIN BEARING CASE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1624104092	ASSEMBLY CASE, MAIN BRG.	1	
020	1624104540	BOLT, BEARING CASE	2	
030	1626404360	GASKET, BRG. CASE	1	
040	1624104813	COVER, BEARING CASE	1	
050	1624104460	SEAL, OIL	1	
060	1626404820	GASKET	1	
070	0102350625	BOLT	8	
080	0102350620	BOLT	9	
090	1629204040	ASSEMBLY CASE, MAIN BRG.	1	
095	1624104540	BOLT, BEARING CASE	2	
100	1624104560	BOLT, BEARING CASE	3	
110	1629204050	ASSEMBLY CASE, MAIN BRG.	1	
120	1624104540	BOLT, BEARING CASE	2	
130	1629204060	ASSEMBLY CASE, MAIN BRG.	1	
140	1624104540	BOLT, BEARING CASE	2	

KUBOTA V-1505 — CAMSHAFT AND IDLE GEAR SHAFT ASSY.

CAMSHAFT AND IDLE GEAR SHAFT ASSY.



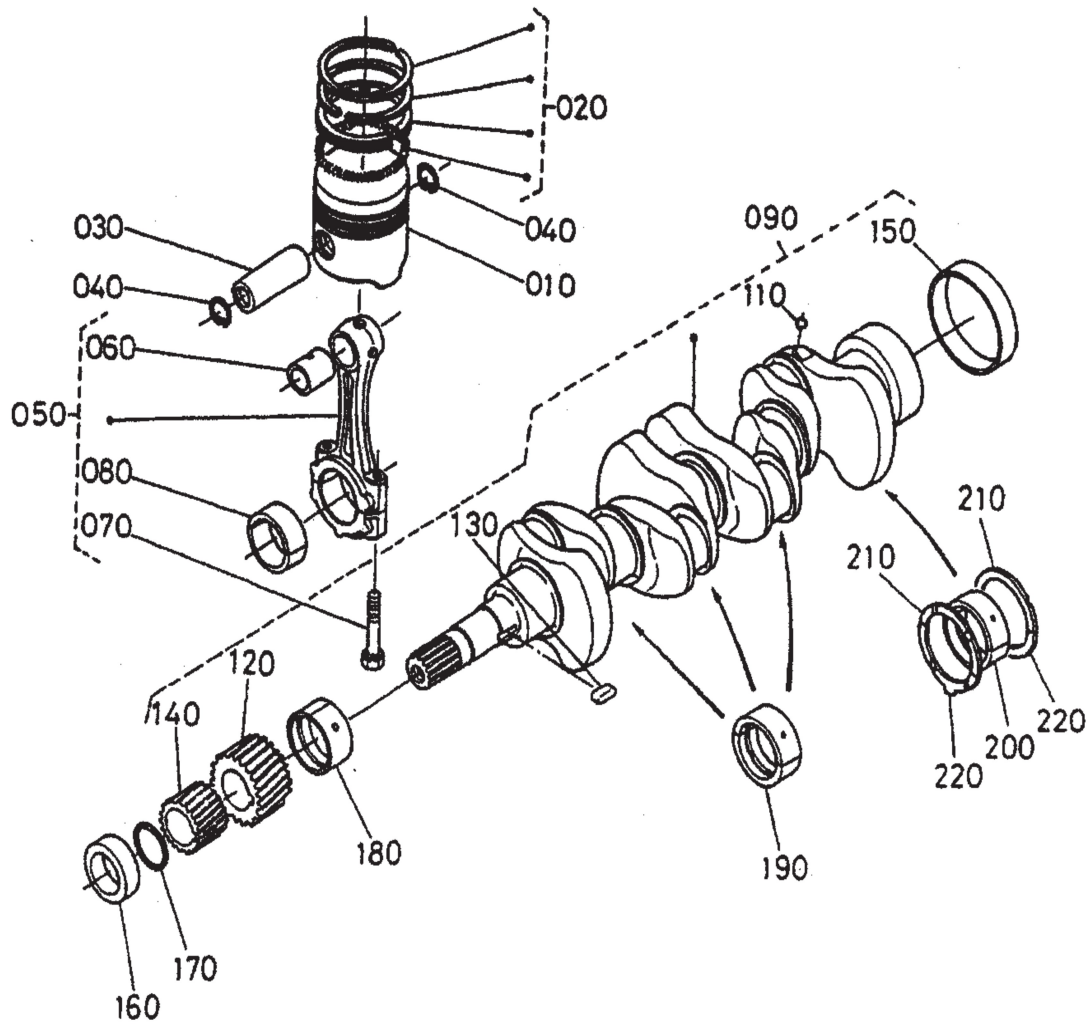
KUBOTA V-1505 — CAMSHAFT AND IDLE GEAR SHAFT ASSY.

CAMSHAFT AND IDLE GEAR SHAFT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1626115550	TAPPET	8	
020	1624115110	PUSH ROD	8	
030	1629216010	ASSEMBLY, CAMSHAFT	1	
050	1552193610	SCREW, SET	1	
060	1624116510	GEAR, CAM	1	
070	0571200518	KEY, FEATHER	1	
080	1624116270	STOPPER, CAMSHAFT	1	
090	0102350614	BOLT	2	
100	1627124010	COMP. GEAR, IDLE	1	
110	1627124980	BUSH, IDLE GEAR	1	
120	1624124360	COLLAR, IDLE GEAR	1	
130	1624124370	COLLAR, IDLE GEAR	1	
140	1624124320	CIR. CLIP, IDLE GEAR	1	
150	1624124250	SHAFT, IDLE GEAR	1	
160	0102350616	BOLT	3	

KUBOTA V-1505 — PISTON AND CRANKSHAFT ASSY.

PISTON AND CRANKSHAFT ASSY.

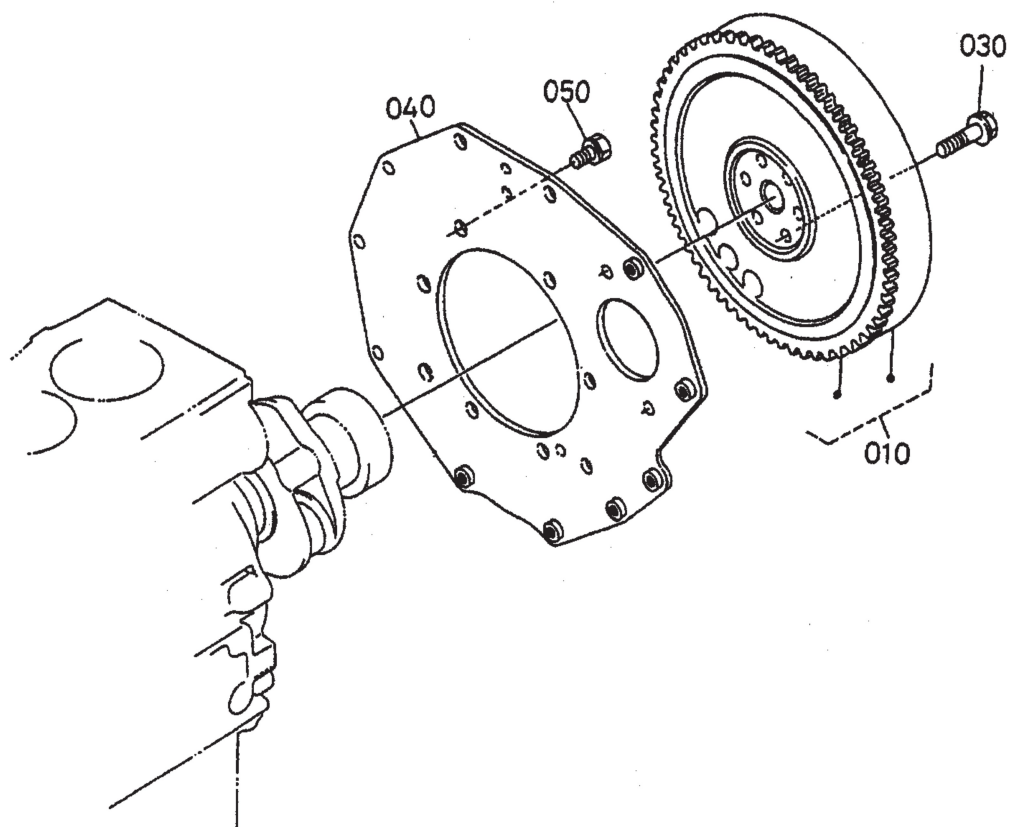


KUBOTA V-1505 — PISTON AND CRANKSHAFT ASSY.

PISTON AND CRANKSHAFT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1629221110	PISTON	4	STANDARD
010	1606021910	PISTON	4	+0.50MM
020	1629221050	ASSEMBLY, PISTON RING	4	STANDARD
020	1626121090	ASSEMBLY, PISTON RING	4	+0.50MM
030	1624121310	PIN, PISTON	4	
040	1624121330	CIR. CLIP, PISTON PIN	8	
050	1629222010	ASSEMBLY ROD, CONNECTING	4	
060	1624121980	BUSH, PISTON PIN	4	
070	1624122140	BOLT, CONNECTING ROD	8	
080	1629222310	METAL, CRANKPIN	4	STANDARD SET
080	1624122970	METAL, CRANKPIN	4	- 0.2MM SET
080	1624122980	METAL, CRANKPIN	4	- 0.4MM SET
090	1628223013	COMP. CRANKSHAFT	1	
110	0771500401	BALL	4	
120	1624124110	GEAR, CRANK	1	
130	1627195230	KEY	1	
140	1624135630	GEAR, OIL PUMP DRIVE	1	
150	1624123280	SLEEVE, CRANKSHAFT	1	
160	1624123250	COLLAR, CRANKSHAFT	1	
170	0481410280	O RING	1	
180	1629223470	METAL, CRANKSHAFT	1	STANDARD
180	1624123910	METAL, CRANKSHAFT	1	- 0.2MM
180	1624123920	METAL, CRANKSHAFT	1	- 0.4MM
190	1629223480	METAL, CRANKSHAFT	3	STANDARD SET
190	1624123930	METAL, CRANKSHAFT	3	- 0.2MM SET
190	1624123940	METAL, CRANKSHAFT	3	- 0.4MM SET
200	1629223490	METAL, CRANKSHAFT	1	STANDARD SET
200	1624123860	METAL, CRANKSHAFT	1	- 0.2MM SET
200	1624123870	METAL, CRANKSHAFT	1	- 0.4MM SET
210	1552123530	METAL, SIDE	2	STANDARD
210	1552123950	METAL, SIDE	2	+0.2MM
210	1552123960	METAL, SIDE	2	+0.4MM
220	1920223540	METAL, SIDE	2	STANDARD
220	1920223970	METAL, SIDE	2	+0.2MM
220	1920223980	METAL, SIDE	2	+0.4MM

FLYWHEEL ASSY.



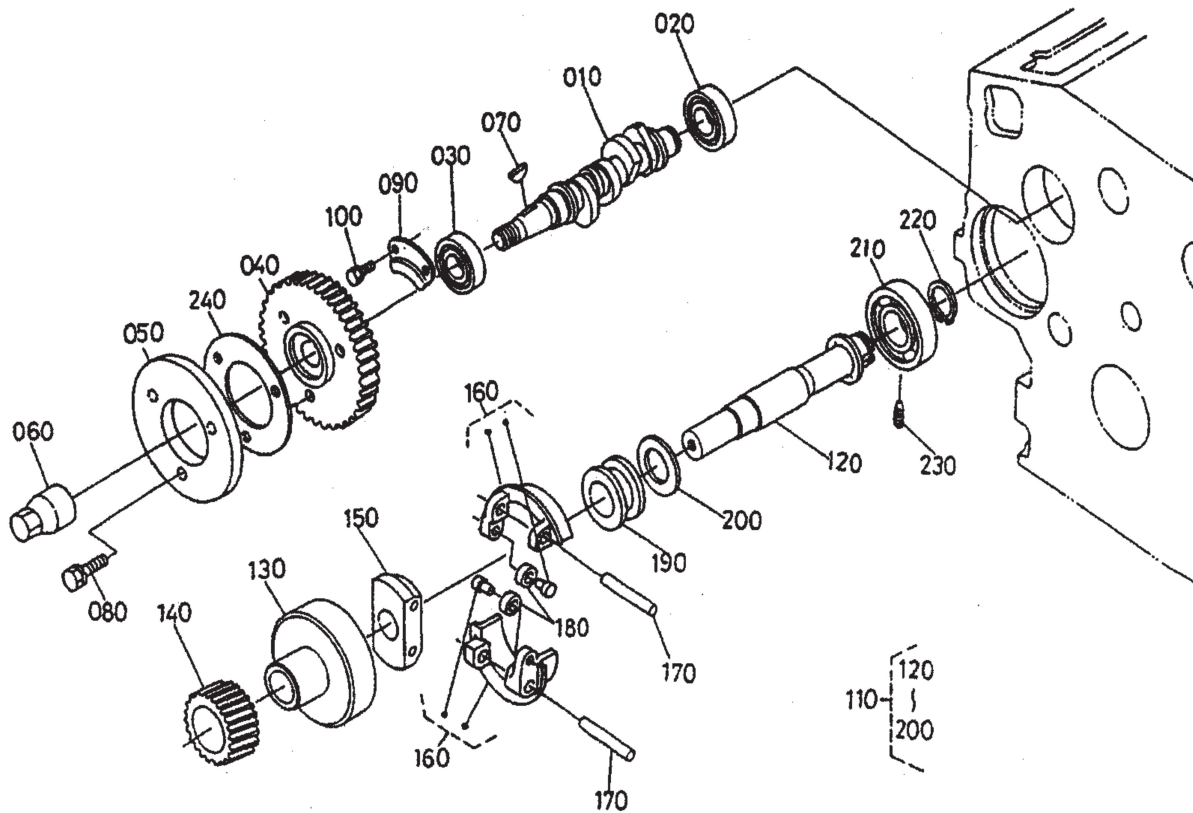
KUBOTA V-1505 — FLYWHEEL ASSY.

FLYWHEEL ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1661425012	COMP. FLYWHEEL	1	
030	1624125160	BOLT, FLYWHEEL	6	
040	1E01904620	PLATE, REAR END	1	
050	1526191190	BOLT	8	

KUBOTA V-1505 — FUEL CAMSHAFT AND GOV. SHAFT ASSY.

FUEL CAMSHAFT AND GOVERNOR SHAFT ASSY.



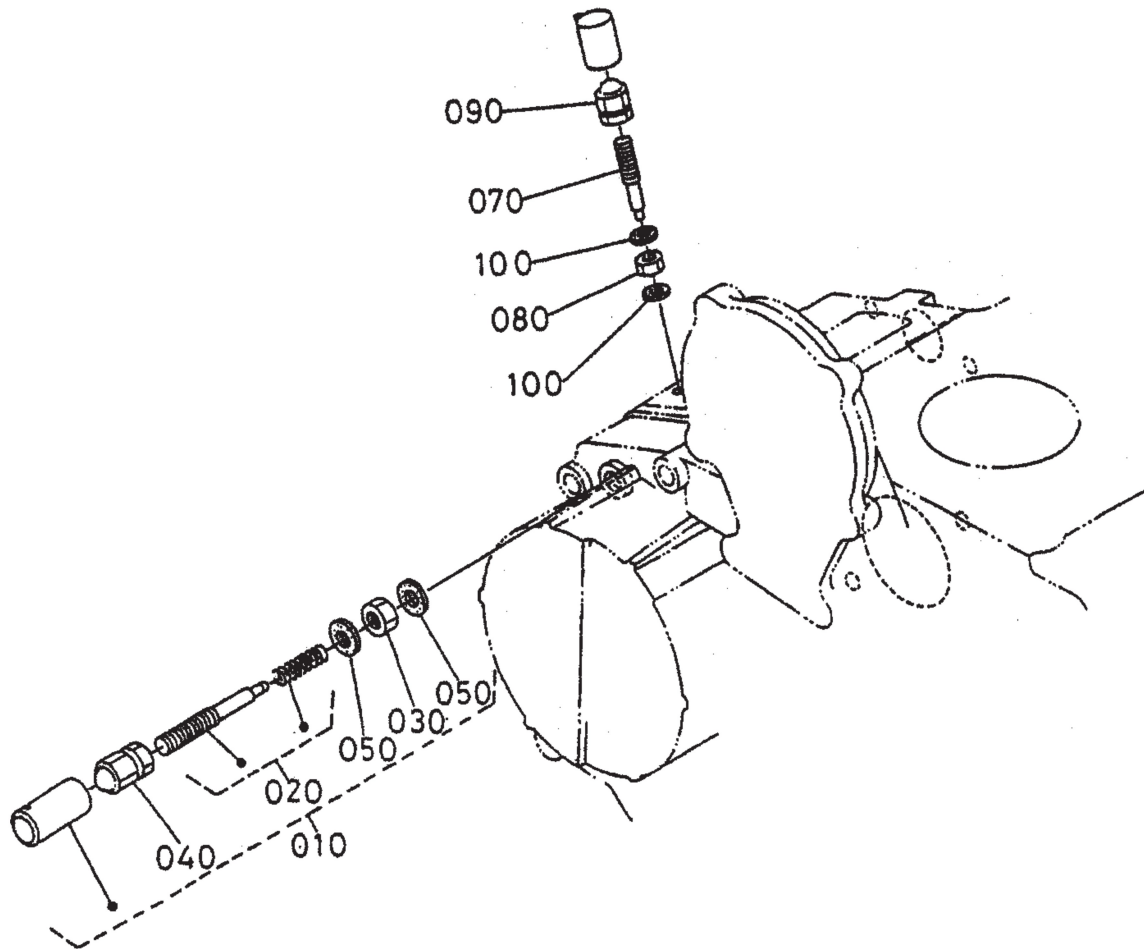
KUBOTA V-1505 — FUEL CAMSHAFT AND GOV. SHAFT ASSY.

FUEL CAMSHAFT AND GOVERNOR SHAFT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1604016170	CAMSHAFT, FUEL	1	
020	0810306202	BEARING, BALL	1	
030	0810306204	BEARING, BALL	1	
040	1627251150	GEAR, INJECTION PUMP	1	
050	1624151113	CAM, FUEL	1	
060	1624192330	NUT, CAP	1	
070	1624195230	KEY, WOODRUFF	1	
080	0102350618	BOLT	3	
090	1624116320	STOPPER, FUEL CAMSHAFT	1	
100	0102350612	BOLT	2	
110	1628255013	ASSEMBLY SHAFT, GOVERNOR	1	
120	1627155313	SHAFT, GOVERNOR	1	
130	1624155392	HOLDER, GOVERNOR GEAR	1	
140	1628255320	GEAR, GOVERNOR	1	
150	1624155270	HOLDER, GOVERNOR WEIGHT	1	
160	1624155062	COMP. WEIGHT, GOVERNOR	2	
170	1624155260	SHAFT, GOVERNOR WEIGHT	2	
180	1948455440	ROLLER	2	
190	1624155450	SLEEVE, GOVERNOR	1	
200	1624155463	WASHER, THRUST	1	
210	0810106304	BEARING, BALL	1	
220	1627155410	CIR. CLIP, GOVERNOR SHAFT	1	
230	1624155554	SCREW, SET	1	
240	1624151190	WASHER	1	

KUBOTA V-1505 — ENGINE STOP LEVER ASSY.

ENGINE STOP LEVER ASSY.



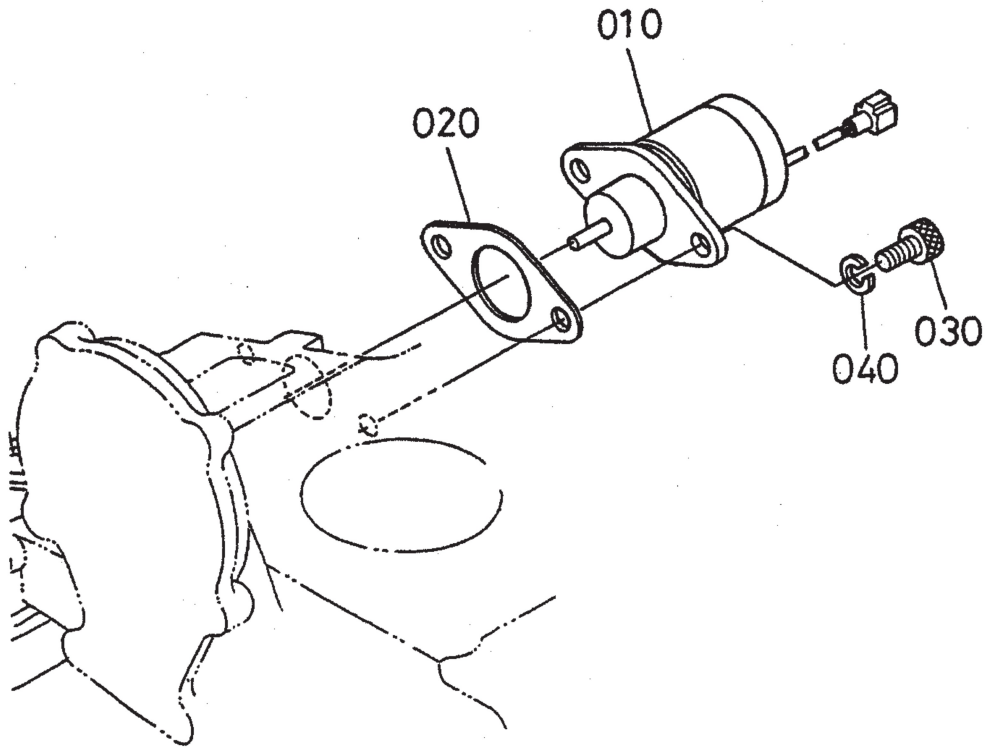
KUBOTA V-1505 — ENGINE STOP LEVER ASSY.

ENGINE STOP LEVER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1628554090	ASSEMBLY APPARATUS, IDLE	1	
020	1628554102	ASSEMBLY BOLT, ADJUSTING	1	
030	1584192020	NUT	1	
040	1584192330	NUT, CAP	1	
050	1560196650	GASKET	2	
070	1624154120	BOLT, ADJUSTING	1	
080	1584192020	NUT	1	
090	1584192330	NUT, CAP	1	
100	1560196650	GASKET	2	

KUBOTA V-1505 — STOP SOLENOID ASSY.

STOP SOLENOID ASSY.



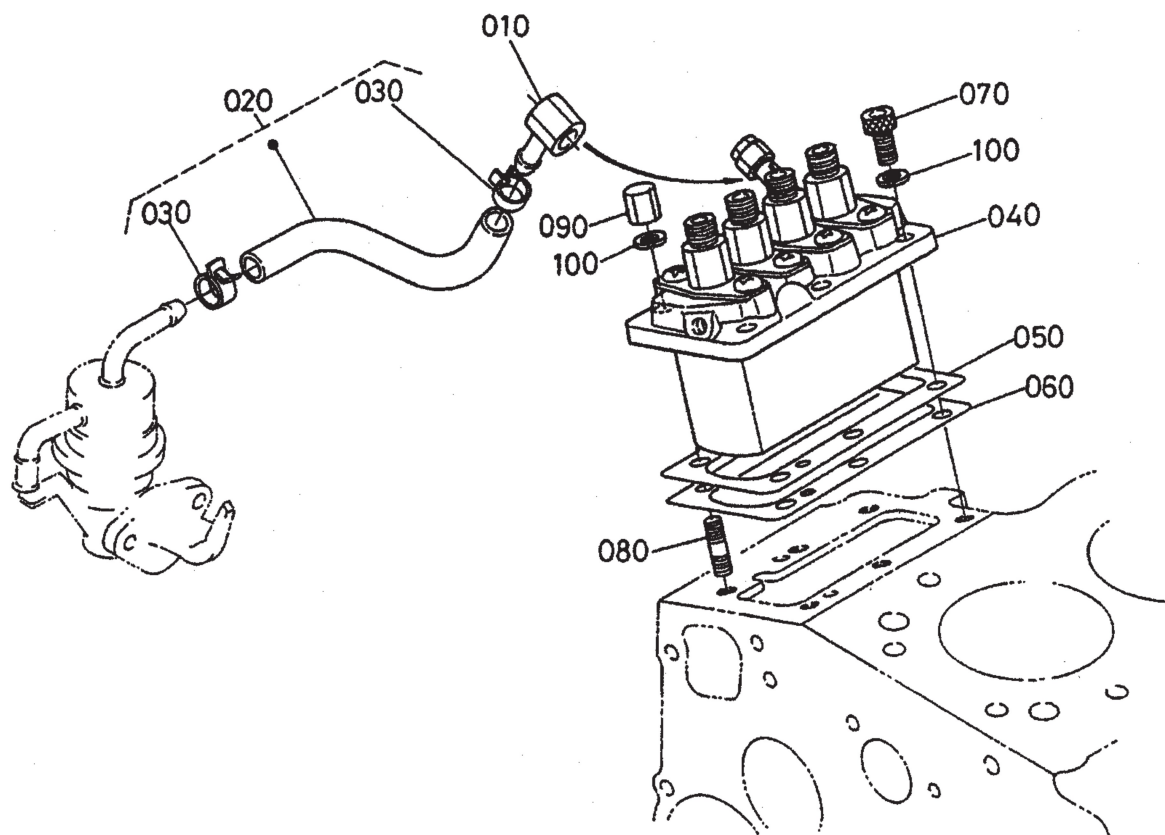
KUBOTA V-1505 — STOP SOLENOID ASSY.

STOP SOLENOID ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1745460010	SOLENOID, STOP	1	
020	1629960150	GASKET	1	
030	0131110614	BOLT, HEX- SOC- HD	2	
040	0451260060	WASHER, SPRING	2	

KUBOTA V-1505 — INJECTION PUMP ASSY.

INJECTION PUMP ASSY.



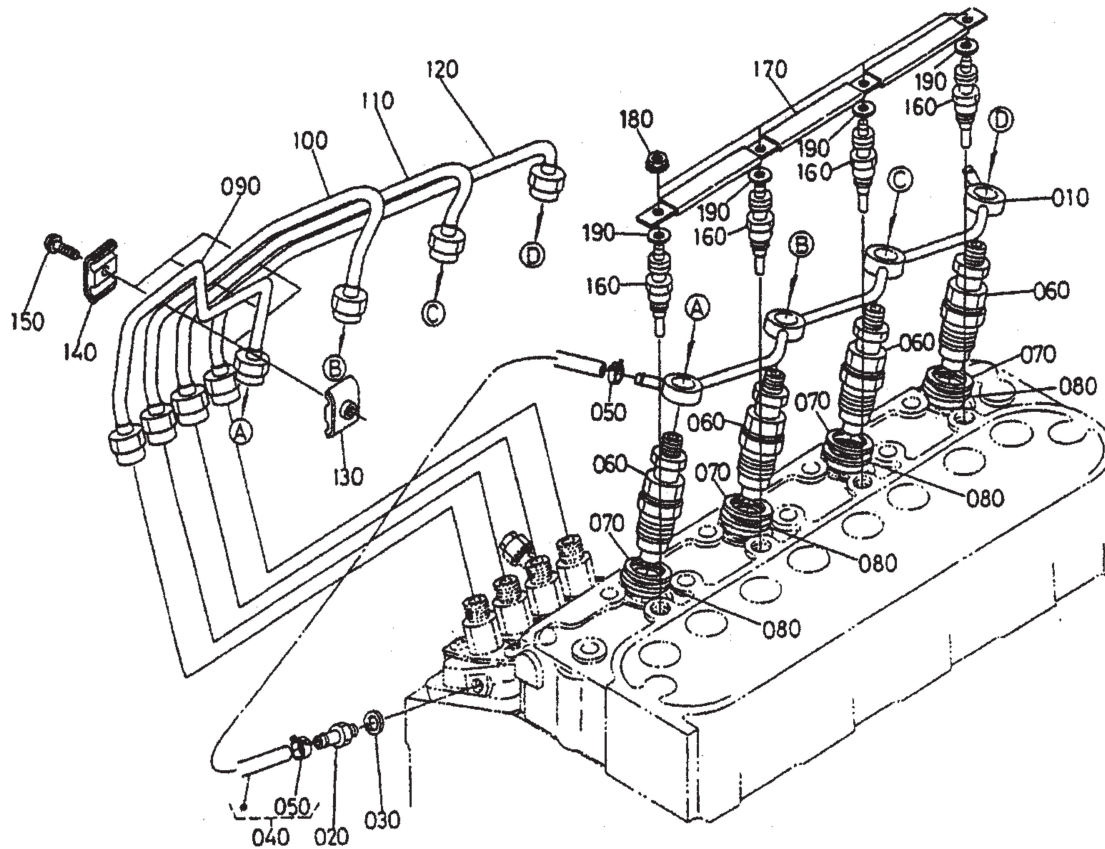
KUBOTA V-1505 — INJECTION PUMP ASSY.

INJECTION PUMP ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1624195690	JOINT, EYE	1	
020	1624142010	ASSEMBLY PIPE, FUEL	1	
030	1491142750	CLIP, PIPE	2	
040	1606051010	ASSEMBLY PUMP, INJECTION	1	
050	1604052092	SHIM, INJECTION PUMP	1	0.20MM
050	1604052112	SHIM, INJECTION PUMP	1	0.25MM
060	1604052122	SHIM, INJECTION PUMP	1	0.30MM
070	0131110620	BOLT, HEX- SOC- HD	3	
080	1584191500	STUD	3	
090	1584192320	NUT, CAP	3	
100	0451260060	WASHER, SPRING	6	

KUBOTA V-1505 —NOZZLE AND GLOW PLUG ASSY.

NOZZLE HOLDER AND GLOW PLUG ASSY.



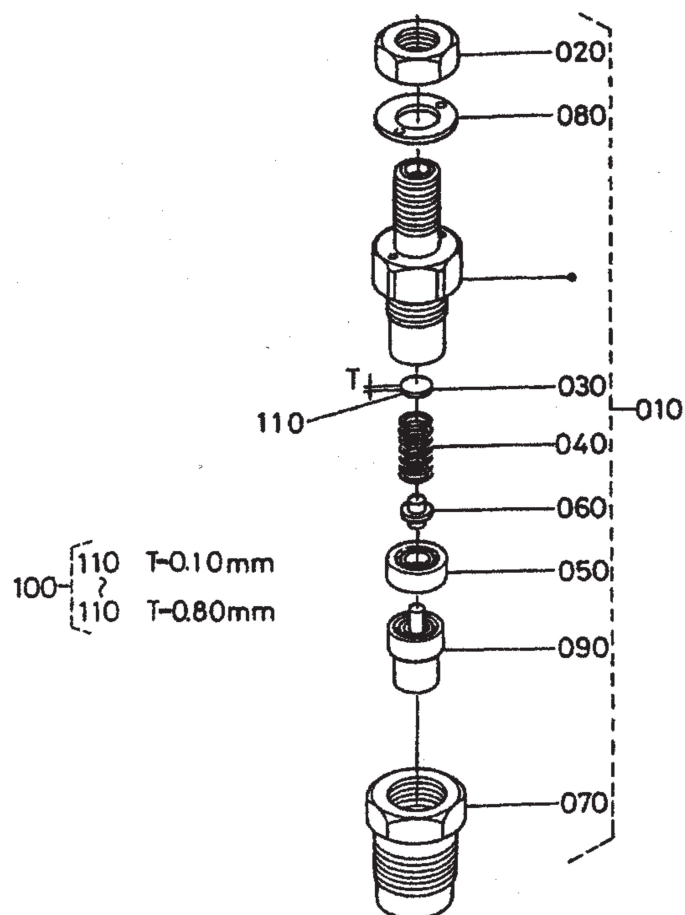
KUBOTA V-1505 —NOZZLE AND GLOW PLUG ASSY.

NOZZLE HOLDER AND GLOW PLUG ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1627142502	ASSEMBLY PIPE, OVER FLOW	1	
020	1584151360	SCREW, AIR BREEDER	1	
030	1560196650	GASKET	1	
040	1584142500	ASSEMBLY PIPE, OVER FLOW	1	
050	1497142750	CLIP, PIPE	2	
060	1603253000	ASSEMBLY HOLDER, NOZZLE	4	
070	1584153622	GASKET	4	
080	1907753650	SEAL, HEAT	4	
090	1628253712	PIPE, INJECTION	1	
100	1627153722	PIPE, INJECTION	1	
110	1627153732	PIPE, INJECTION	1	
120	1627153742	PIPE, INJECTION	1	
130	1584153850	CLAMP, PIPE	3	
140	1584153860	CLAMP, PIPE	3	
150	0302450520	SCREW, WITH WASHER	3	
160	1606565510	GLOW PLUG	4	
170	1627165560	CORD, GLOW PLUG	1	
180	0276150040	NUT, FLANGE	4	
190	0401360040	WASHER, PLAIN	4	

KUBOTA V-1505 — NOZZLE HOLDER (COMPONENT PARTS) ASSY.

NOZZLE HOLDER (COMPONENT PARTS) ASSY.



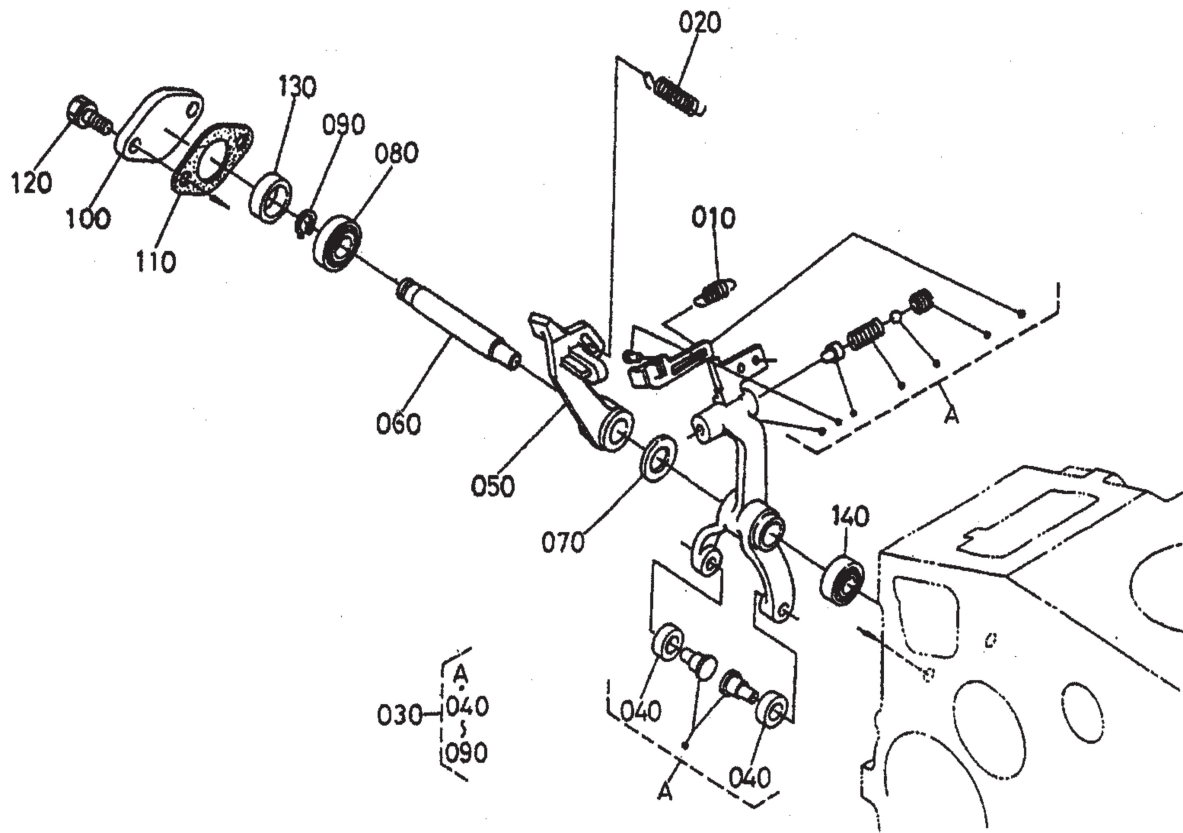
KUBOTA V-1505 — NOZZLE HOLDER (COMPONENT PARTS) ASSY.

NOZZLE HOLDER (COMPONENT PARTS) ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1603253000	ASSEMBLY HOLDER, NOZZLE	4	
020	1603292030	NUT	4	
030	1603253230	WASHER, ADJUSTING	4	
040	1603253170	SPRING, NOZZLE	4	
050	1603253350	SPACER, DISTANCE	4	
060	1603253160	PUSH ROD	4	
070	1603253280	NUT, NOZZLE	4	
080	1603294040	WASHER, PLAIN	4	
090	1603253610	PIECE, NOZZLE	4	
100	1603298100	ASSEMBLY WASHER, ADJUST	4	OPTION
110	1603298500	WASHER, ADJUSTING	4	0. 10MM
110	1603298510	WASHER, ADJUSTING	4	0. 20MM
110	1603298520	WASHER, ADJUSTING	4	0. 30MM
110	1603298530	WASHER, ADJUSTING	4	0. 40MM
110	1603298540	WASHER, ADJUSTING	4	0. 50MM
110	1603298550	WASHER, ADJUSTING	4	0. 52MM
110	1603298560	WASHER, ADJUSTING	4	0. 54MM
110	1603298570	WASHER, ADJUSTING	4	0. 56MM
110	1603298580	WASHER, ADJUSTING	4	0. 58MM
110	1603298590	WASHER, ADJUSTING	4	0. 80MM

KUBOTA V-1505 — FORK LEVER (GOVERNOR) ASSY.

FORK LEVER (GOVERNOR) ASSY.



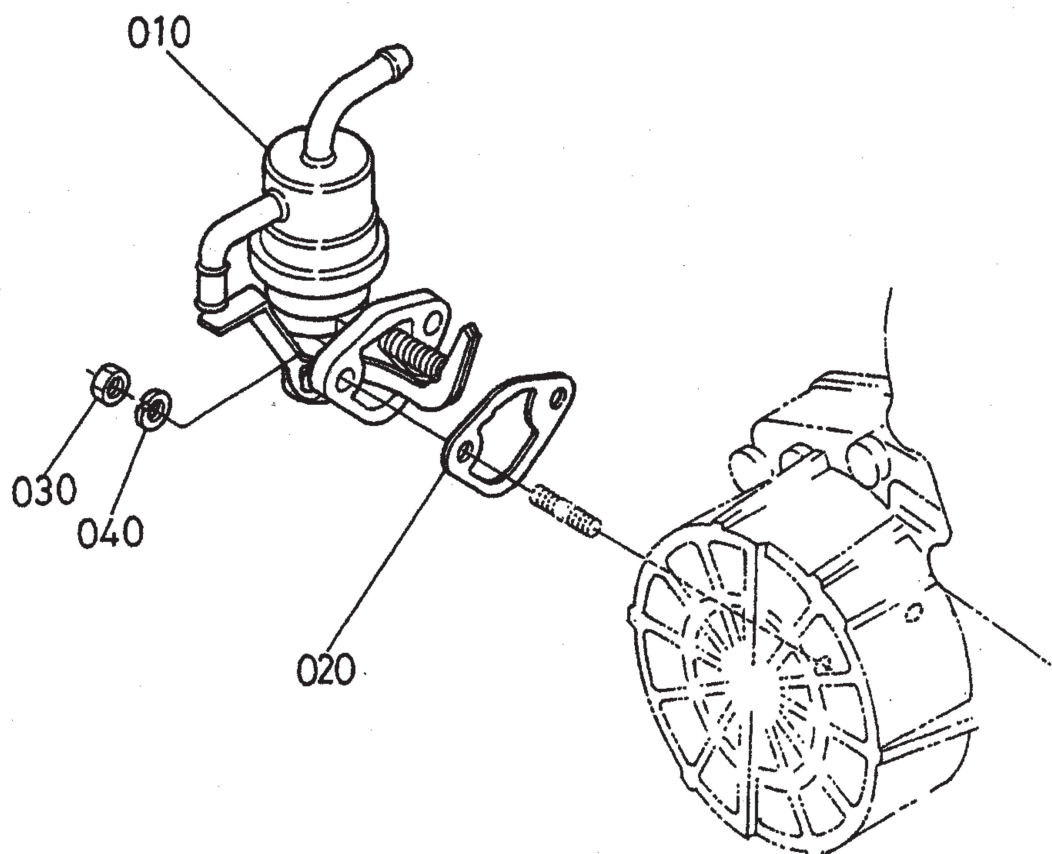
KUBOTA V-1505 — FORK LEVER (GOVERNOR) ASSY.

FORK LEVER (GOVERNOR) ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1627156480	SPRING, START	1	
020	1628556412	SPRING, GOVERNOR	1	
030	1629256052	ASSEMBLY LEVER, FORK	1	
040	1948455440	ROLLER	2	
050	1622256130	LEVER, FORK	1	
060	1624256153	SHAFT, FORK LEVER	1	
070	1624194010	WASHER, PLAIN	1	
080	1624156330	BEARING, MINIATURIZE	1	
090	0461200090	CIR. CLIP, EXTERNAL	1	
100	1624156250	COVER, FORK LEVER SHAFT	1	
120	0102350614	BOLT	2	
130	1624156210	COLLAR	1	
140	1624156340	BEARING MINIATURIZE	1	

KUBOTA V-1505 — FUEL PUMP (MECHANICAL) ASSY.

FUEL PUMP (MECHANICAL) ASSY.



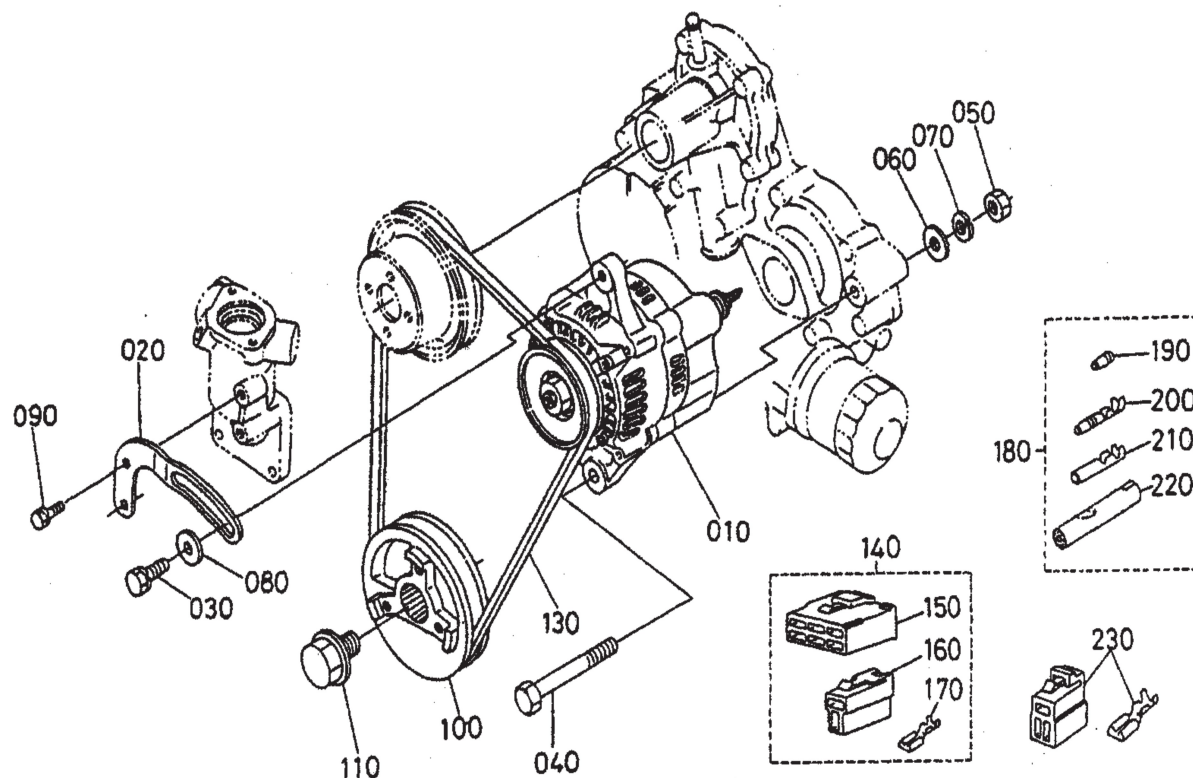
KUBOTA V-1505 — FUEL PUMP (MECHANICAL) ASSY.

FUEL PUMP (MECHANICAL) ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1628552032	ASSEMBLY PUMP, FUEL	1	
020	1626452140	GASKET, FUEL PUMP	1	
030	0205650060	NUT	2	
040	0451260060	WASHER, SPRING	2	

KUBOTA V-1505 — ALTERNATOR AND PULLEY ASSY.

ALTERNATOR AND PULLEY ASSY.



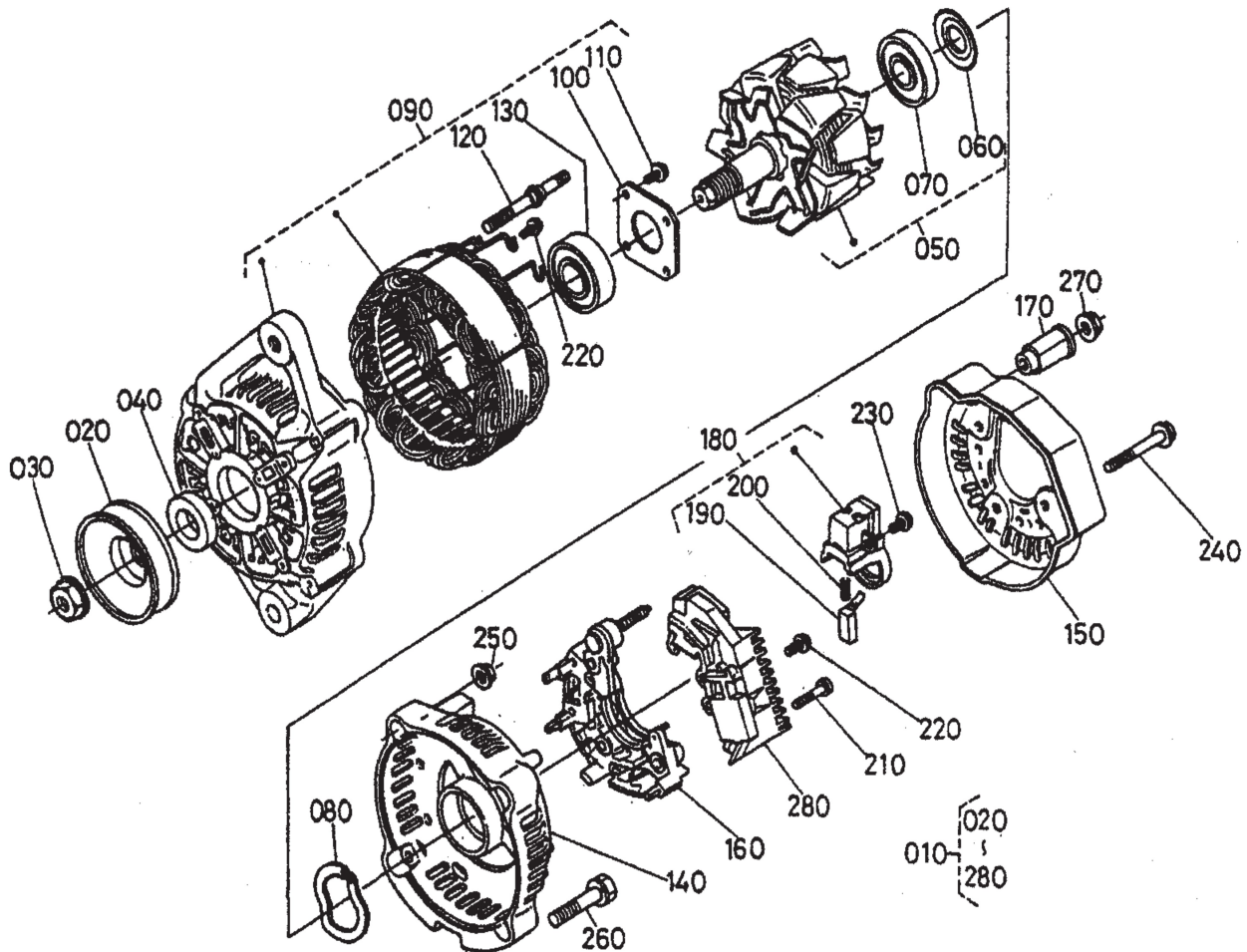
KUBOTA V-1505 — ALTERNATOR AND PULLEY ASSY.

ALTERNATOR AND PULLEY ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1624164010	ASSEMBLY ALERNATOR	1	12V/40A
020	1624164420	STAY, DYNAMO	1	
030	0112350830	BOLT	1	
040	0117351085	BOLT	1	
050	0217650100	NUT	1	
060	0401150100	WASHER, PLAIN	1	
070	0451260100	WASHER, SPRING	1	
080	0401560080	WASHER, PLAIN	1	
090	0102350616	BOLT	1	
100	1624975280	PULLEY, FAN DRIVE	1	
110	1624191020	BOLT, FAN DRIVE	1	
130	1628297010	V BELT	1	37.5 IN.
140	1988365830	ASSEMBLY COUPLER	1	
150	1987265840	CONNECTOR	1	
160	1987265880	CONNECTOR	1	
170	1923765910	TERMINAL	7	
180	1926865780	ASSEMBLY TERMINAL	1	
190	6827165910	TERMINAL	1	
200	6827165920	SLEEVE	1	
210	1926865930	TERMINAL	1	
220	1926865870	SLEEVE	1	
230	1625965830	ASSEMBLY COUPLER, LOCK	1	

KUBOTA V-1505 — ALTERNATOR (COMP. PARTS) ASSY.

ALTERNATOR (COMONENT PARTS) ASSY.



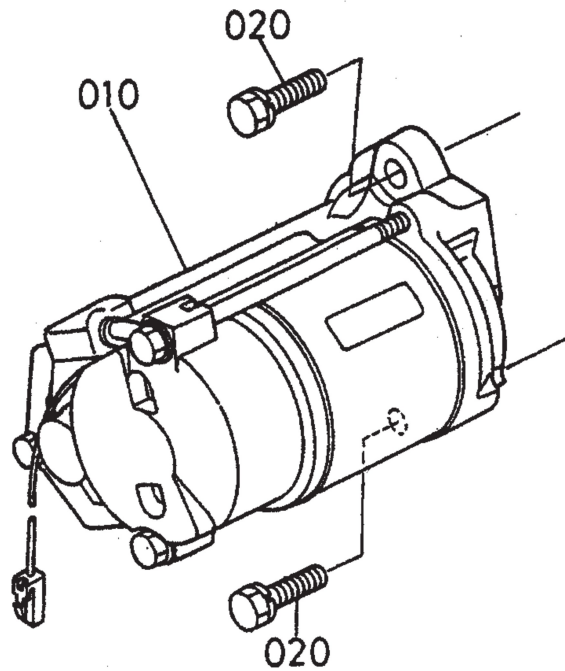
KUBOTA V-1505 — ALTERNATOR (COMP. PARTS) ASSY.

ALTERNATOR(COMPONENT PARTS) ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1624164010	ASSEMBLY ALERNATOR	1	
020	1588164110	PULLEY, DYNAMO	1	
030	1588192010	NUT	1	
040	1588164150	COLLAR	1	
050	1588164040	ROTOR	1	
060	1588164800	COVER, BEARING	1	
070	1588164770	BEARING, BALL	1	
080	1588164810	WASHER, THRUST	1	
090	1588164020	FRAME, DRIVE END	1	
100	1588184710	PLATE, RETAINER	1	
110	1588193010	SCREW, ROUND HEAD	4	
120	1588164260	BOLT, THROUGH	2	
130	1588164780	BEARING, BALL	1	
140	1624164060	FRAME, END	1	
150	1624164230	COVER, END	1	
160	1624164850	ASSEMBLY RECTIFIER	1	
170	1624164900	BUSH, INSULATION	1	
180	1588164310	HOLDER, BRUSH	1	
190	1588164090	BRUSH	2	
200	1588164330	SPRING, BRUSH	2	
210	1588193020	SCREW, ROUND HEAD	2	
220	1588193030	SCREW, ROUND HEAD	6	
230	1588193040	SCREW, ROUND HEAD	1	
240	1588191040	BOLT	3	
250	1588192020	NUT	2	
260	1588191050	BOLT	2	
270	1418292030	NUT	1	
280	1588164600	ASSEMBLY REGULATOR	1	

KUBOTA V-1505 — STARTER ASSY.

STARTER ASSY.



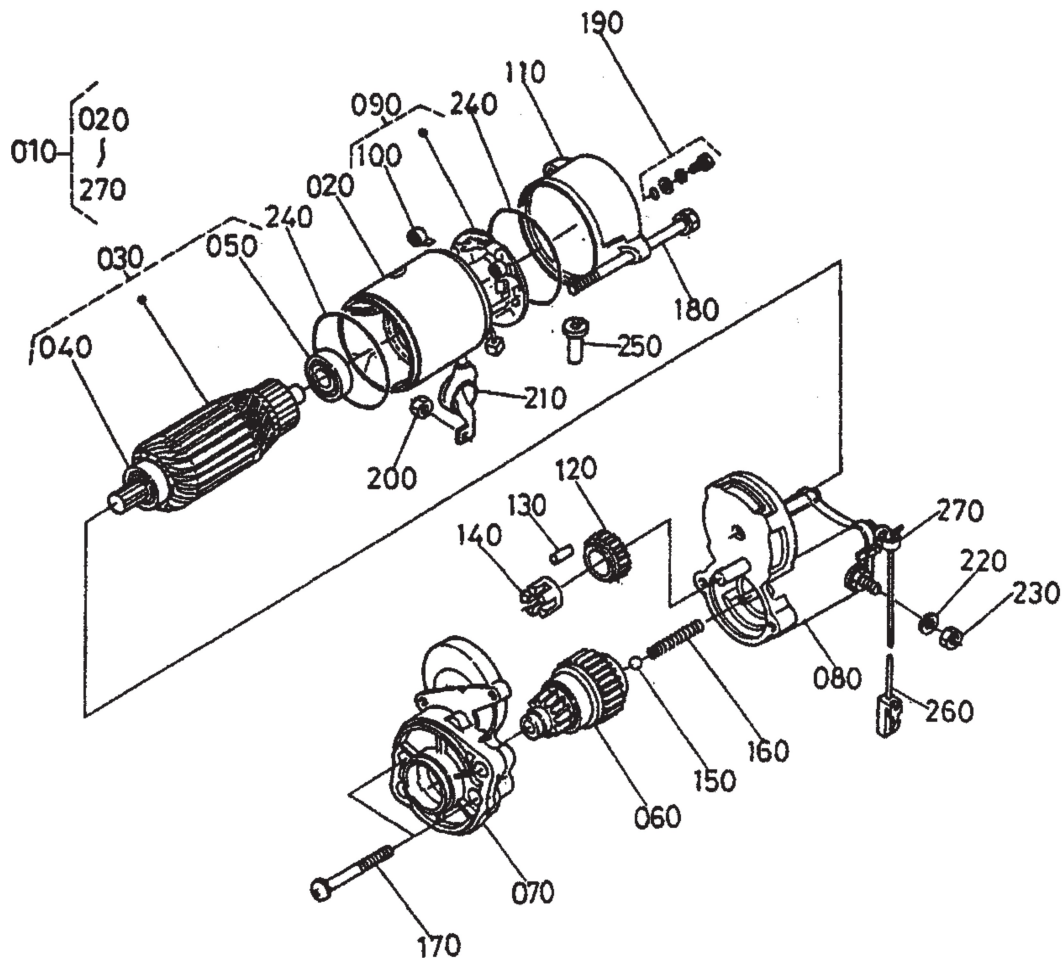
KUBOTA V-1505 — STARTER ASSY.

STARTER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	2756063010	ASSEMBLY STARTER	1	
020	0112350830	BOLT	2	

KUBOTA V-1505 — STARTER (COMPONENT PARTS) ASSY.

STARTER (COMPONENT PARTS) ASSY.



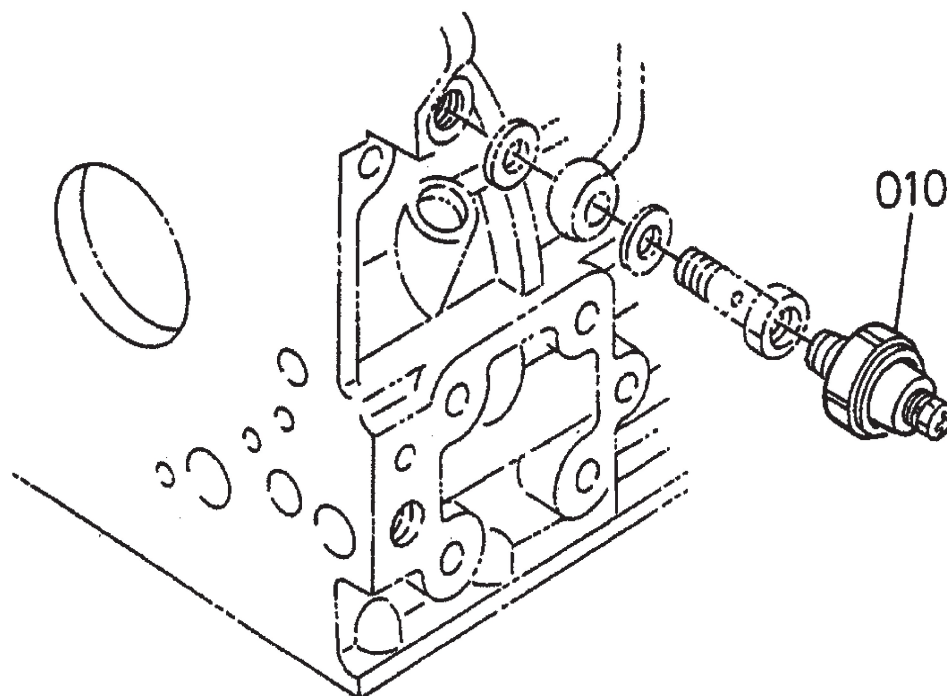
KUBOTA V-1505 — STARTER (COMPONENT PARTS) ASSY.

STARTER (COMPONENT PARTS) ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	2756063010	ASSEMBLY STARTER	1	
020	3756063080	ASSEMBLY YOKE	1	
030	1146063070	ARMATURE	1	
040	1146063500	BEARING	1	
050	1146063530	BEARING	1	
060	1628563040	ASSEMBLY CLUTCH	1	
070	1628563030	ASSEMBLY HOUSING	1	
080	1661163020	ASSEMBLY SWITCH, MAGNETIC	1	
090	1147063380	ASSEMBLY HOLDER, BRUSH	1	
100	1146063390	SPRING, BRUSH	4	
110	1628563200	ASSEMBLY FRAME, END	1	
120	1146063270	GEAR	1	
130	1921263100	ROLLER	5	
140	1146063110	RETAINER	1	
150	1921297130	BALL	1	
160	1146063120	SPRING	1	
170	1146093310	BOLT	2	
180	1146063320	BOLT, THROUGH	2	
190	1551163760	ASSEMBLY BOLT	2	
200	1628592010	NUT, HEXAGON	1	
210	1661163450	COVER	1	
220	1380194100	WASHER, SPRING	1	
230	1661192020	NUT, HEXAGON	1	
240	1551196660	O RING	2	
250	1628563570	PIPE, DRAIN	1	
260	1661163660	CORD, STOP SOLENOID	1	
270	1661263100	BAND, COVER	1	

KUBOTA V-1505 — OIL SWITCH/THERMO AND PLUG ASSY.

OIL SWITCH/THERMOMETER AND PLUG ASSY.



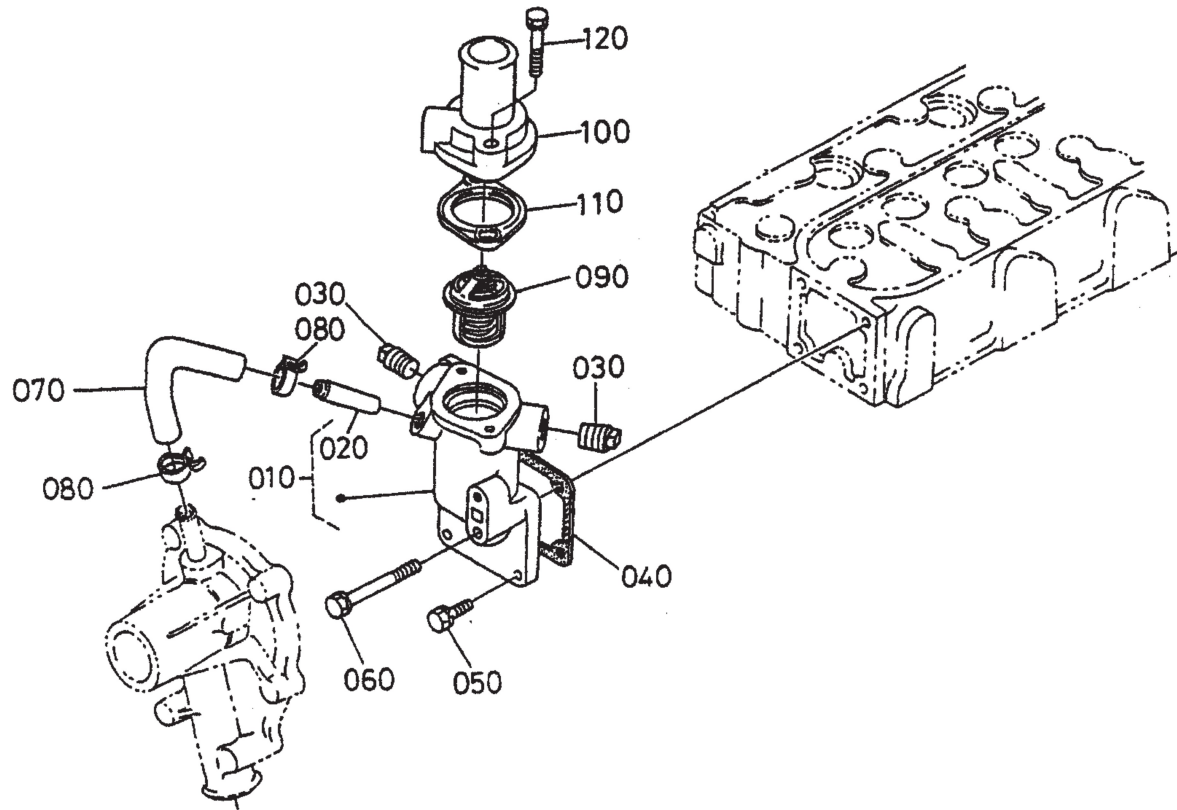
KUBOTA V-1505 — OIL SWITCH/THERMO AND PLUG ASSY.

OIL SWITCH/THERMOMETER AND PLUG ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1584139010	SWITCH, OIL	1	

KUBOTA V-1505 — WATERFLANG AND THERMOSTAT ASSY.

WATER FLANGE AND THERMOSTAT ASSY.



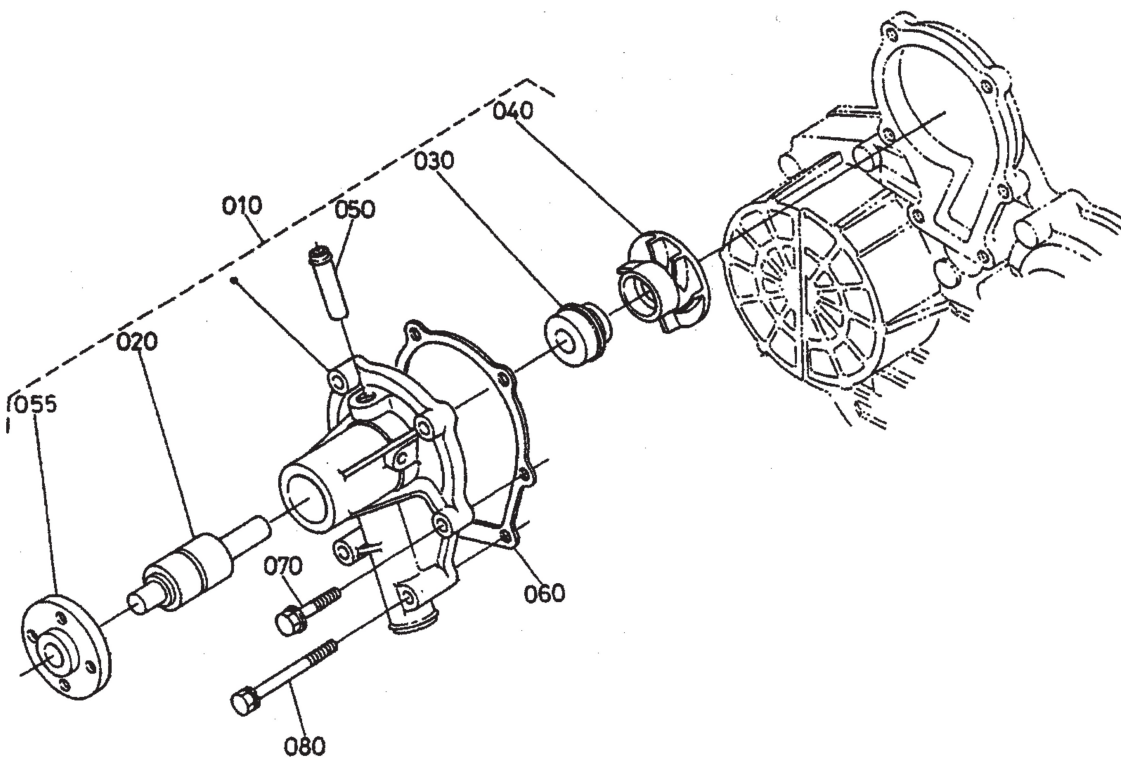
KUBOTA V-1505 — WATERFLANG AND THERMOSTAT ASSY.

WATER FLANGE AND THERMOSTAT ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1661372700	COMP. FLANGE, WATER	1	
020	1624173370	PIPE, WATER RETURN	1	
030	1929896020	PLUG	2	
040	1626472920	GASKET, WATER FLANGE	1	
050	0102350616	BOLT	3	
060	0102350655	BOLT	1	
070	1624173350	PIPE, WATER RETURN	1	
080	1624173360	BAND, PIPE	2	
090	1943473010	ASSEMBLY THERMOSTAT	1	
100	1621973260	COVER, THERMOSTAT	1	
110	1531373270	GASKET, THERMOSTAT	1	
120	0112350835	BOLT	2	

KUBOTA V-1505 — WATER PUMP ASSY.

WATER PUMP ASSY.



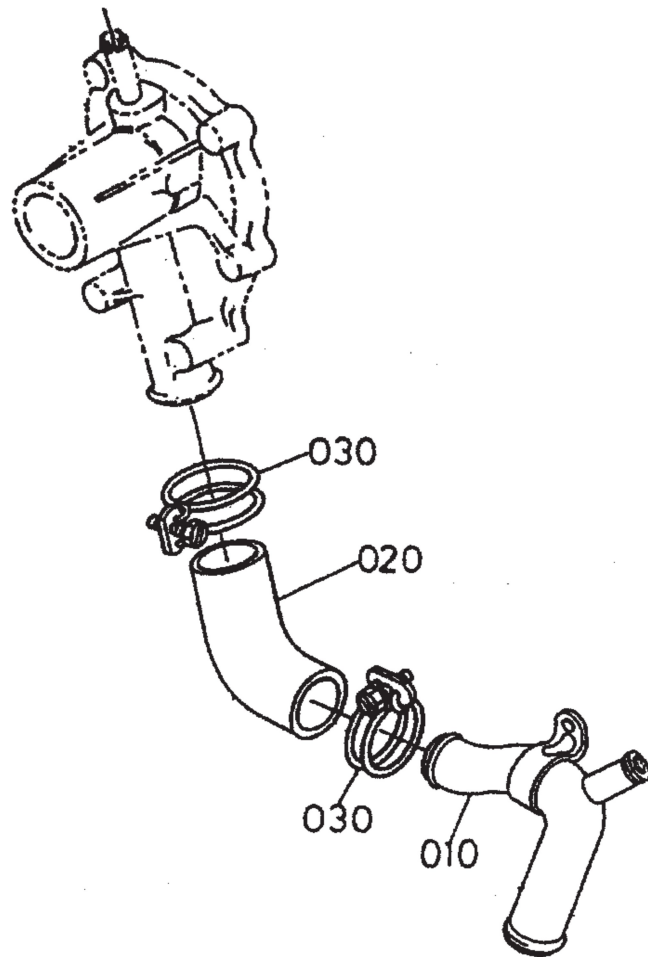
KUBOTA V-1505 — WATER PUMP ASSY.

WATER PUMP ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1624173032	ASSEMBLY PUMP, WATER	1	
020	1624173550	BEARING	1	
030	1624173052	ASSEMBLY SEAL, MECHANICAL	1	
040	1624173510	IMPELLER, WATER PUMP	1	
050	1624173340	PIPE, WATER RETURN	1	
055	1624173520	FLANGE, WATER PUMP	1	
060	1626173430	GASKET, WATER PUMP	1	
070	0175450625	BOLT, FLANGE	4	
080	0102350680	BOLT	2	

KUBOTA V-1505 — WATER PIPE ASSY.

WATER PIPE ASSY.

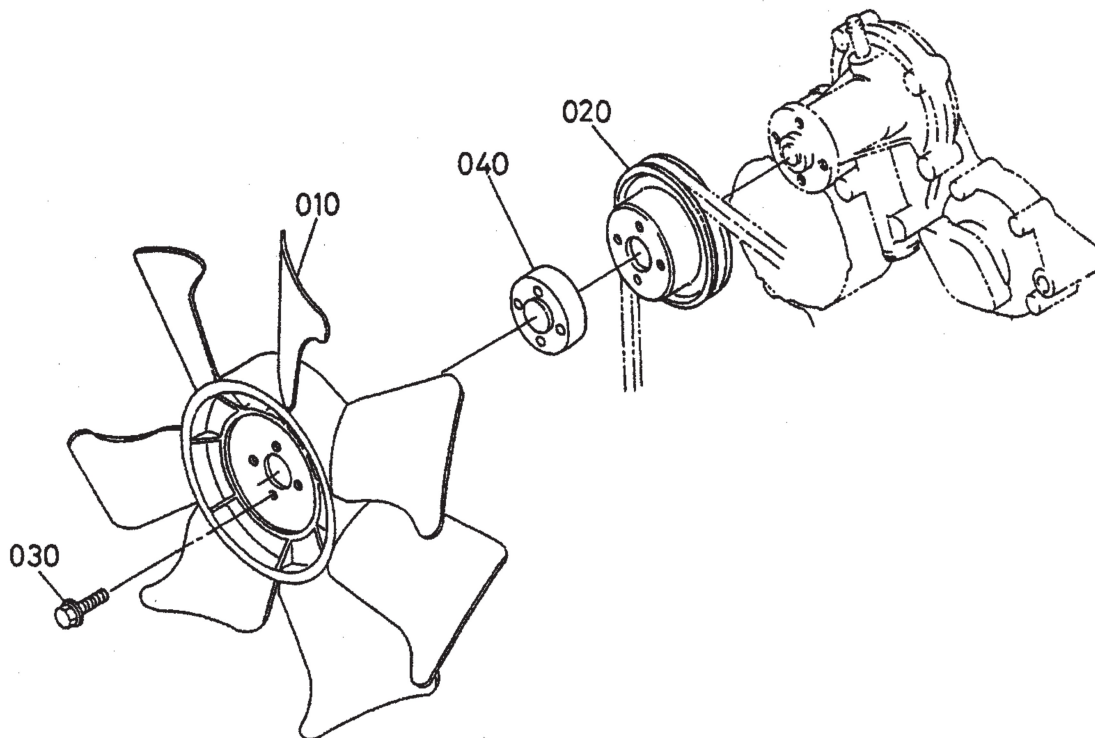


KUBOTA V-1505 — WATER PIPE ASSY.

WATER PIPE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1624172860	PIPE, WATER	1	
020	1624172870	PIPE, WATER	1	
030	3620082720	CLAMP	2	

FAN ASSY.



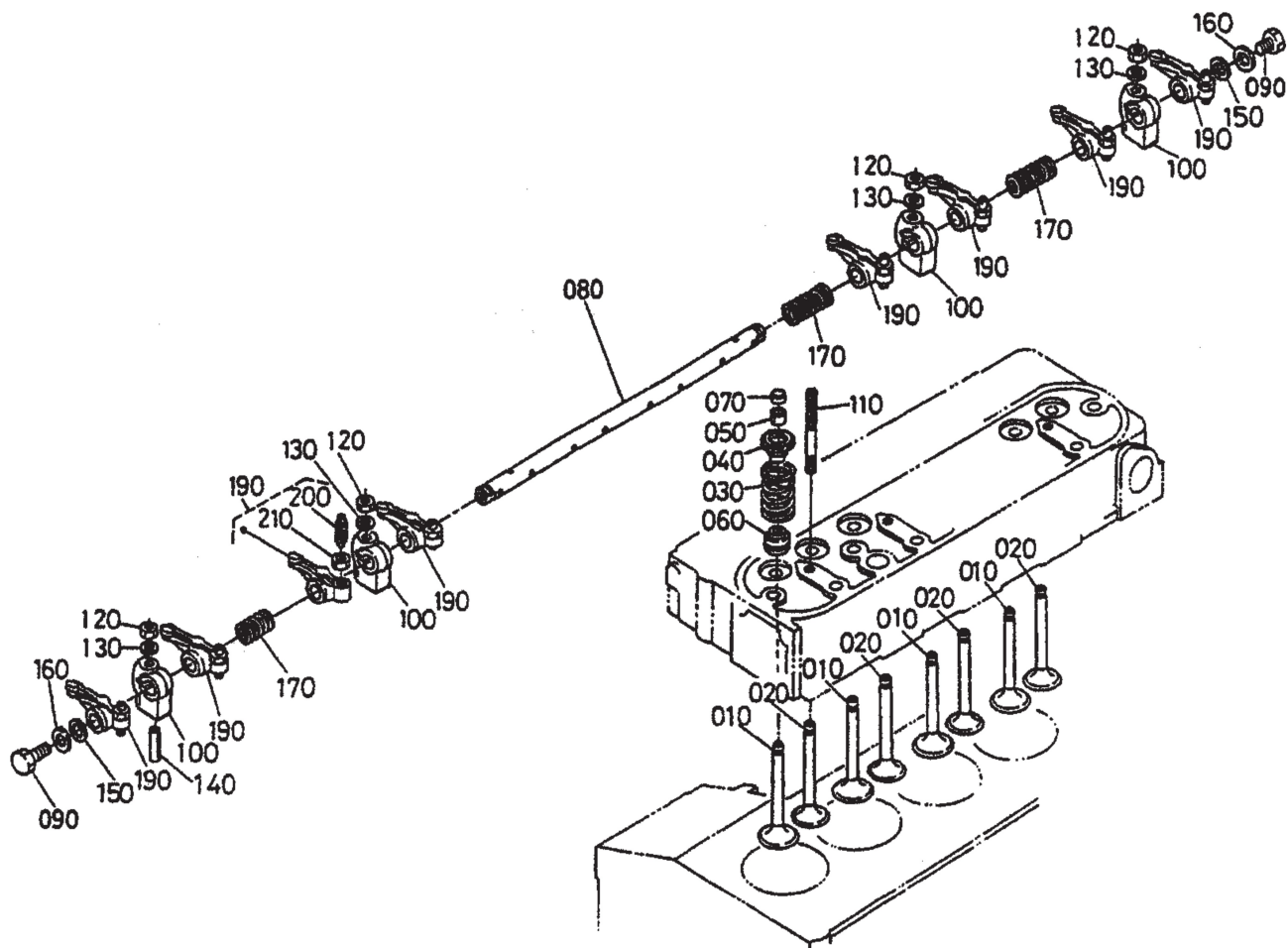
KUBOTA V-1505 — FAN ASSY.

FAN ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1629274110	FAN	1	
020	1624174250	PULLEY, FAN	1	
030	0175450820	BOLT, FLANGE	4	
040	1587674150	COLLAR, FAN	1	

KUBOTA V-1505 — VALVE AND ROCKER ARM ASSY.

VALVE AND ROCKER ARM ASSY.



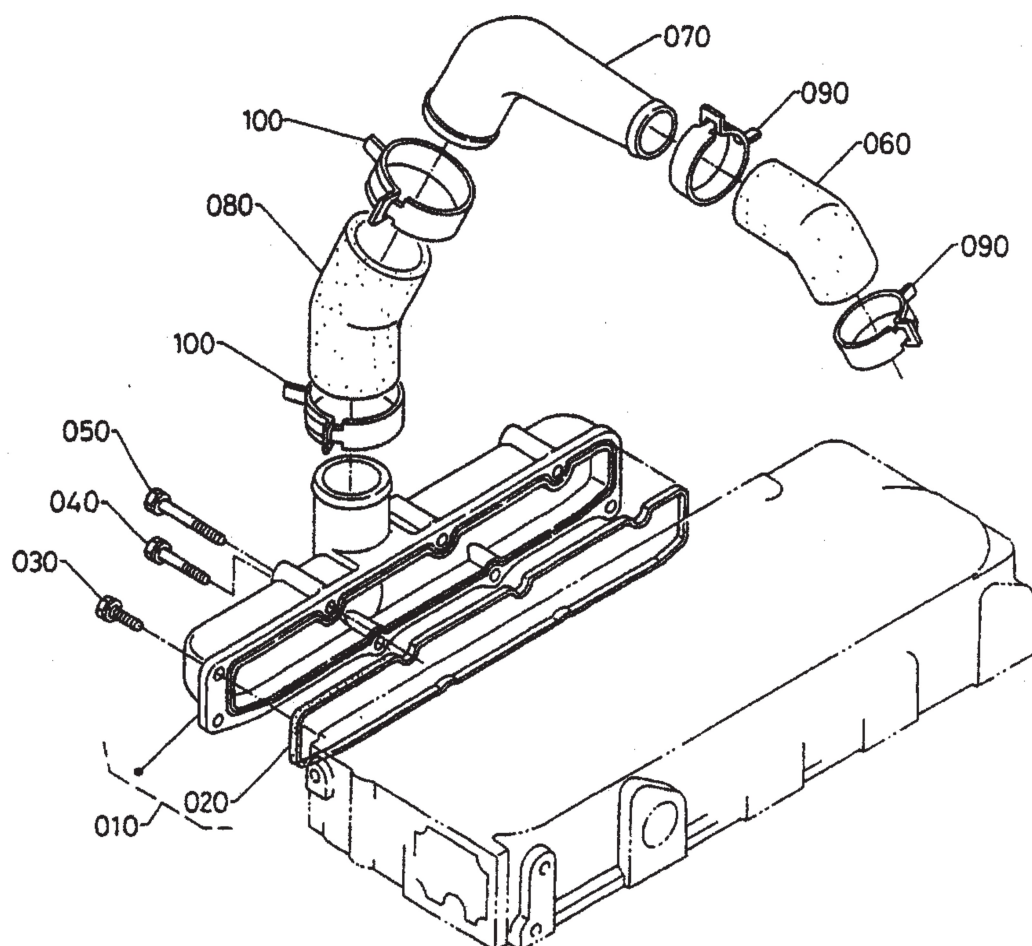
KUBOTA V-1505 — VALVE AND ROCKER ARM ASSY.

VALVE AND ROCKER ARM ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1624113110	VALVE, INLET	4	
020	1629913120	VALVE, EXHAUST	4	
030	1526113240	SPRING, VALVE	8	
040	1624113330	RETAINER, VALVE SP.	8	
050	1526113360	COLLET, VALVE SPRING	8	SET
060	1001013150	SEAL, VALVE STEM	8	
070	1624113280	CAP, VALVE	8	
080	1624114264	SHAFT, ROCKER ARM	1	
090	0102350610	BOLT	2	
100	1624114350	BRACKET, ROCKER ARM	4	
110	1624114410	STUD	4	
120	1526192010	NUT	4	
130	1526194010	WASHER, PLAIN	4	
140	0541100428	PIN, SPRING	1	
150	1624114430	WASHER, R- ARM, SHAFT	2	
160	1584194022	WASHER, PLAIN	2	
170	1624114310	SPRING, ROCKER ARM	3	
190	1624114032	ASSEMBLY ROCKER ARM	8	
200	1624114230	SCREW, ADJUSTING	8	
210	1624114240	NUT	8	

KUBOTA V-1505 — INLET MANIFOLD ASSY.

INLET MANIFOLD ASSY.



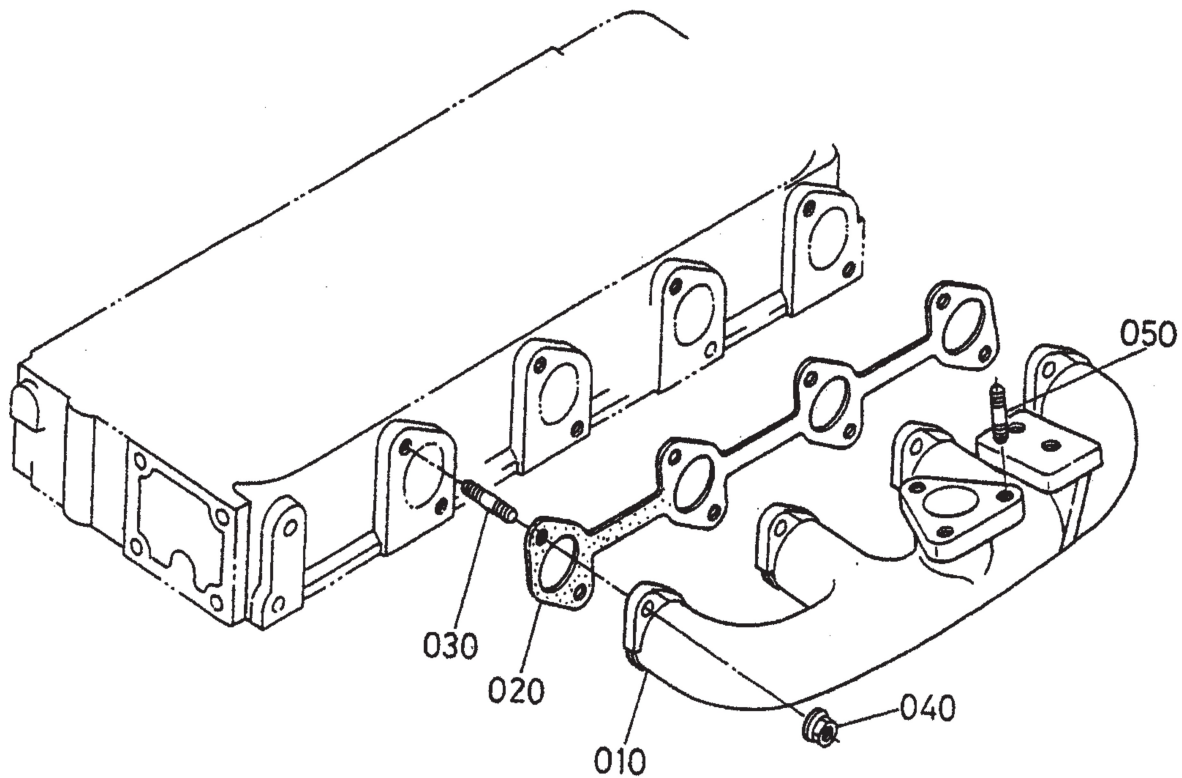
KUBOTA V-1505 — INLET MANIFOLD ASSY.

INLET MANIFOLD ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1624111770	ASSEMBLY MANIFOLD, INLET	1	
020	1624111820	GASKET, IN- MANIFOLD	1	
030	0102350618	BOLT	3	
040	0102350630	BOLT	2	
050	0102360650	BOLT	3	
060	1624111630	PIPE, INLET	1	
070	1624111640	PIPE, INLET	1	
080	1624111670	PIPE, INLET	1	
090	1624172970	BAND, PIPE	2	
100	1624111720	BAND, PIPE	2	

KUBOTA V-1505 — EXHAUST MANIFOLD ASSY.

EXHAUST MANIFOLD ASSY.



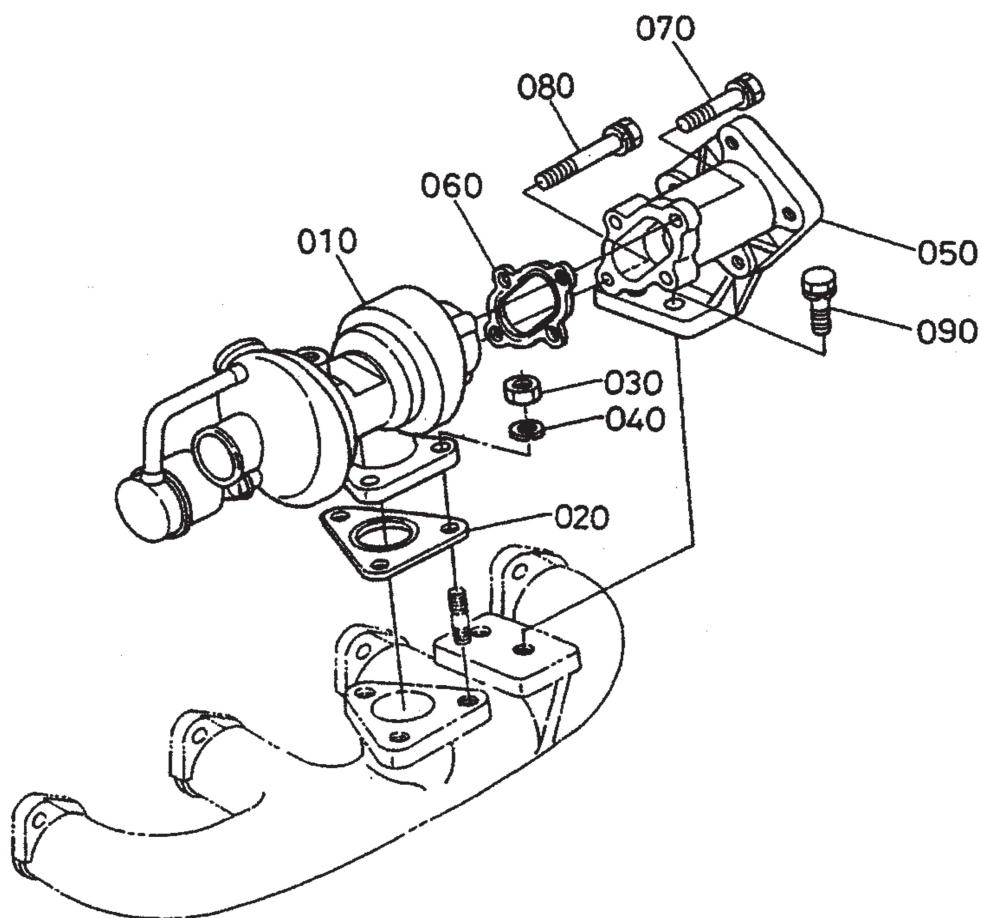
KUBOTA V-1505 — EXHAUST MANIFOLD ASSY.

EXHAUST MANIFOLD ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1624112310	MANIFOLD, EXHAUST	1	
020	1629912360	GASKET, EX- MANIFOLD	1	
030	1624191490	STUD	8	
040	1627192010	NUT	8	
050	0151360820	STUD	3	

KUBOTA V-1505 — TURBO CHARGER ASSY.

TURBO CHARGER ASSY.



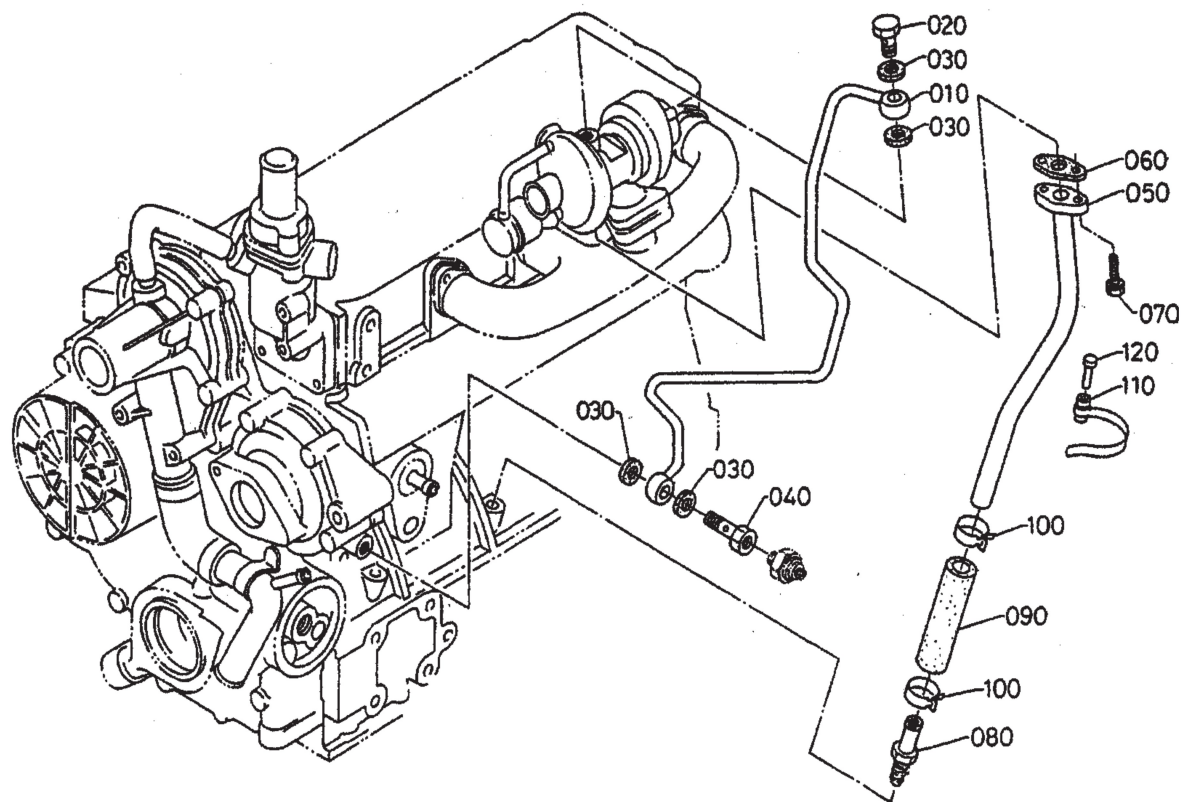
KUBOTA V-1505 — TURBO CHARGER ASSY.

TURBO CHARGER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1629217010	ASSEMBLY TURBO CHARGER	1	
020	1629917100	GASKET	1	
030	0215650080	NUT	3	
040	0451260080	WASHER, SPRING	3	
050	1755412320	FLANGE, MUFFLER	1	
060	1629917110	GASKET	1	
070	0112350830	BOLT	3	
080	0112350845	BOLT	1	
090	0112350822	BOLT	2	

KUBOTA V-1505 — OIL PIPE (TURBO CHARGER) ASSY.

OIL PIPE (TURBO CHARGER) ASSY.



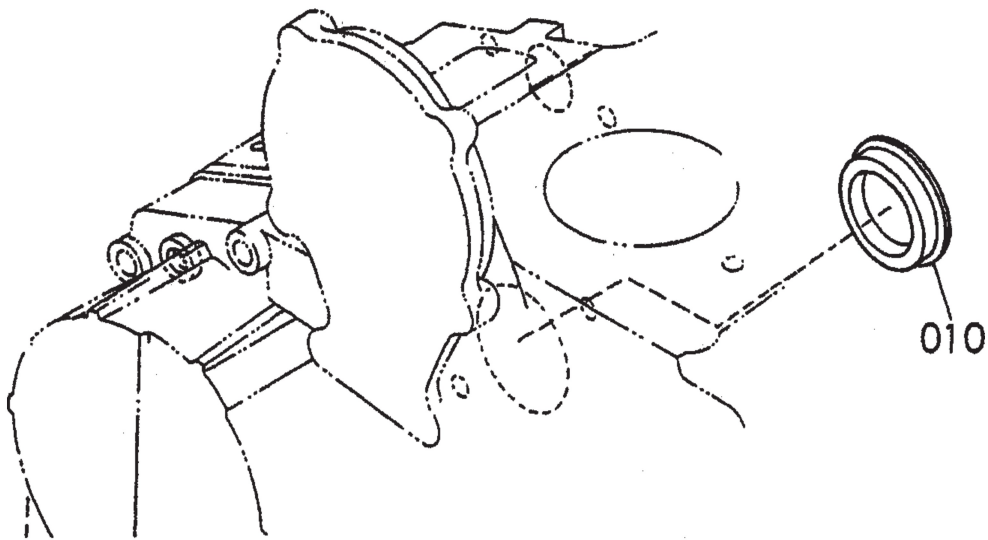
KUBOTA V-1505 — OIL PIPE (TURBO CHARGER) ASSY.

OIL PIPE (TURBO CHARGER) ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1624133210	COMP. PIPE, OIL	1	
020	1624195800	BOLT, EYE JOINT	1	
030	1547196650	GASKET	4	
040	1624133360	BOLT, EYE JOINT	1	
050	1624133220	COMP. PIPE, OIL	1	
060	1629933670	GASKET	1	
070	0102350620	BOLT	3	
080	1624133232	COMP. PIPE, OIL	1	
090	1624133240	PIPE, OIL	1	
100	0931888200	CLAMP, HOSE	2	
110	1544133520	CLAMP, PIPE	1	
120	3343082760	PIN, BAND	1	

KUBOTA V-1505 — HYDRAULIC PUMP ASSY.

HYDRAULIC PUMP ASSY.

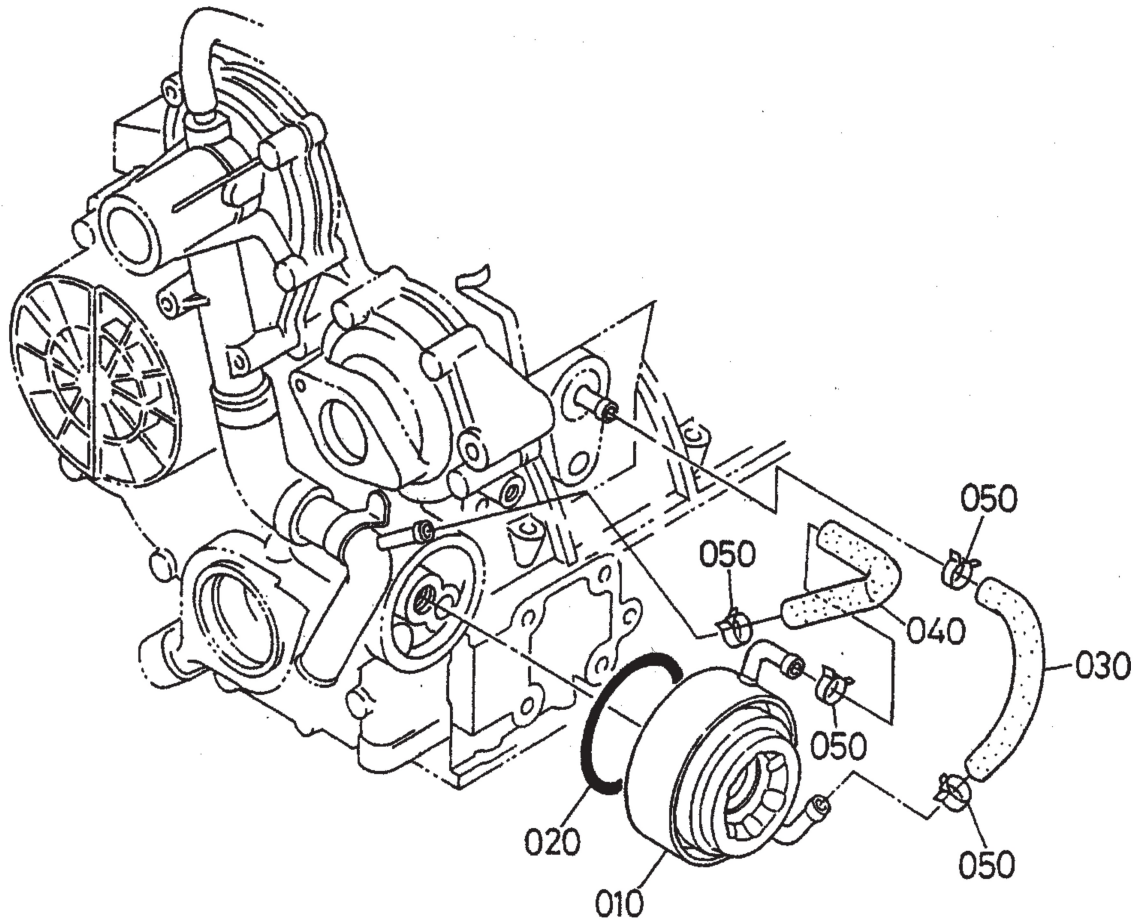


KUBOTA V-1505 — HYDRAULIC PUMP ASSY.

HYDRAULIC PUMP ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1626483152	COVER, HYDRAULIC PUMP	1	

OIL COOLER ASSY.



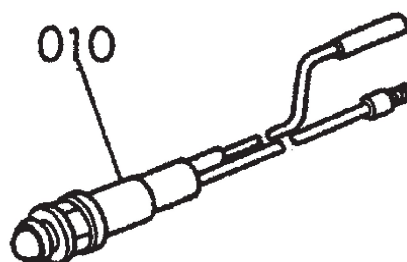
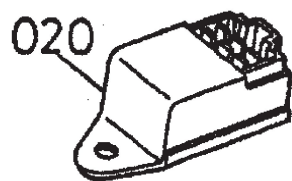
KUBOTA V-1505 — OIL COOLER ASSY.

OIL COOLER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1629937010	ASSEMBLY COOLER, OIL	1	
020	0481450600	O RING	1	
030	1624137150	PIPE COOLER, OIL	1	
040	1624173350	PIPE, WATER RETURN	1	
050	1624173360	BAND, PIPE	4	

KUBOTA V-1505 — GLOW PLUG/LAMP AND TIMER ASSY.

GLOW PLUG/LAMP AND TIMER ASSY.



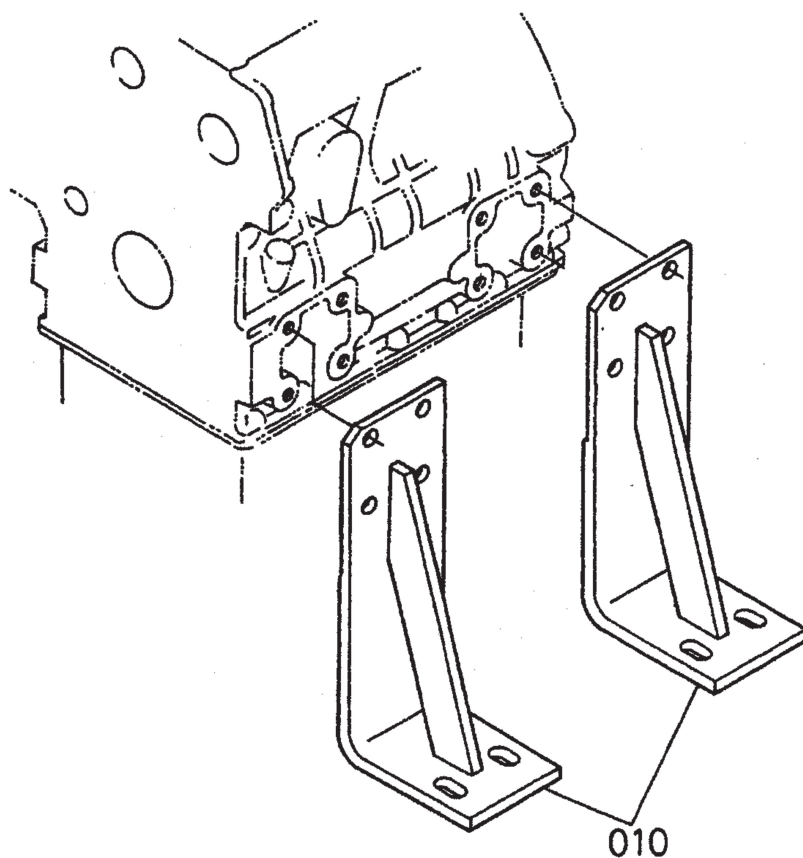
KUBOTA V-1505 — GLOW PLUG/LAMP AND TIMER ASSY.

GLOW PLUG/LAMP AND TIMER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1540364490	LAMP, INDICATOR	1	
020	1569465990	TIMER, GLOW LAMP	1	

KUBOTA V-1505 — ENGINE STAND ASSY.

ENGINE STAND ASSY.



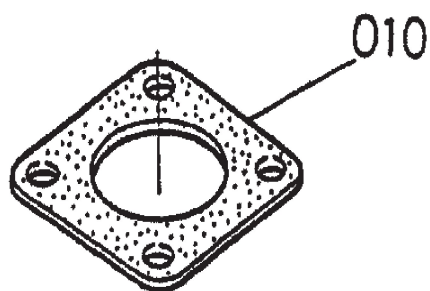
KUBOTA V-1505 — ENGINE STAND ASSY.

ENGINE STAND ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1661606110	STAND, ENGINE	4	

KUBOTA V-1505 — ACCESSORY AND SERVICE PARTS ASSY.

ACCESSORIES AND SERVICE PARTS ASSY.

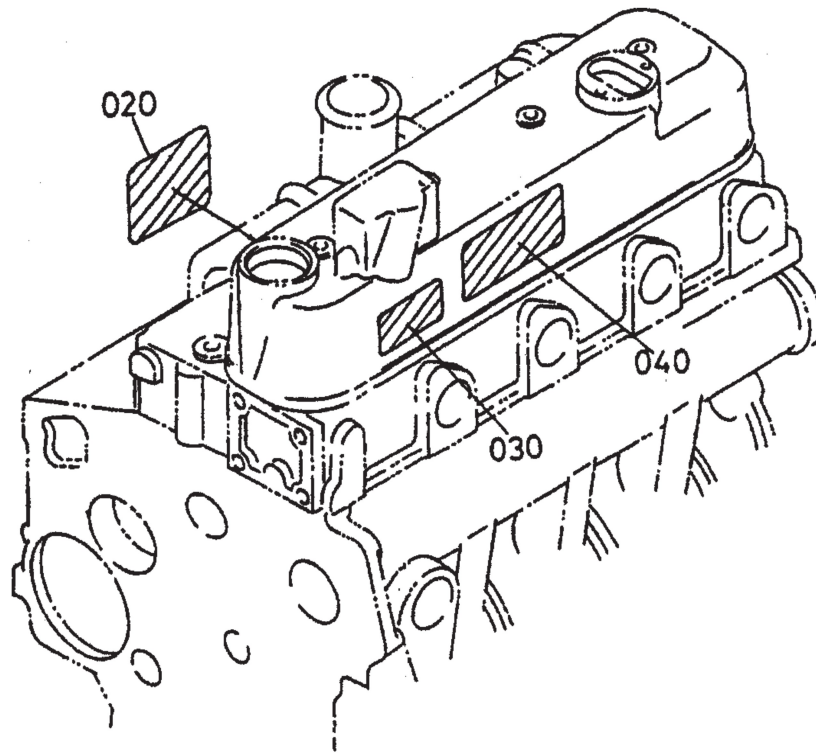


KUBOTA V-1505 — ACCESSORY AND SERVICE PARTS ASSY.

ACCESSORIES AND SERVICE PARTS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
010	1526312370	GASKET, MUFFLER NA	1	

LABEL AND OPERATOR'S MANUAL ASSY.



LABEL AND OPERATOR'S MANUAL ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
020	1629287112	NAME PLATE, ENGINE	1	
030	1942687903	LABEL	1	
040	1942687880	LABEL, INSTRUCTION	1	