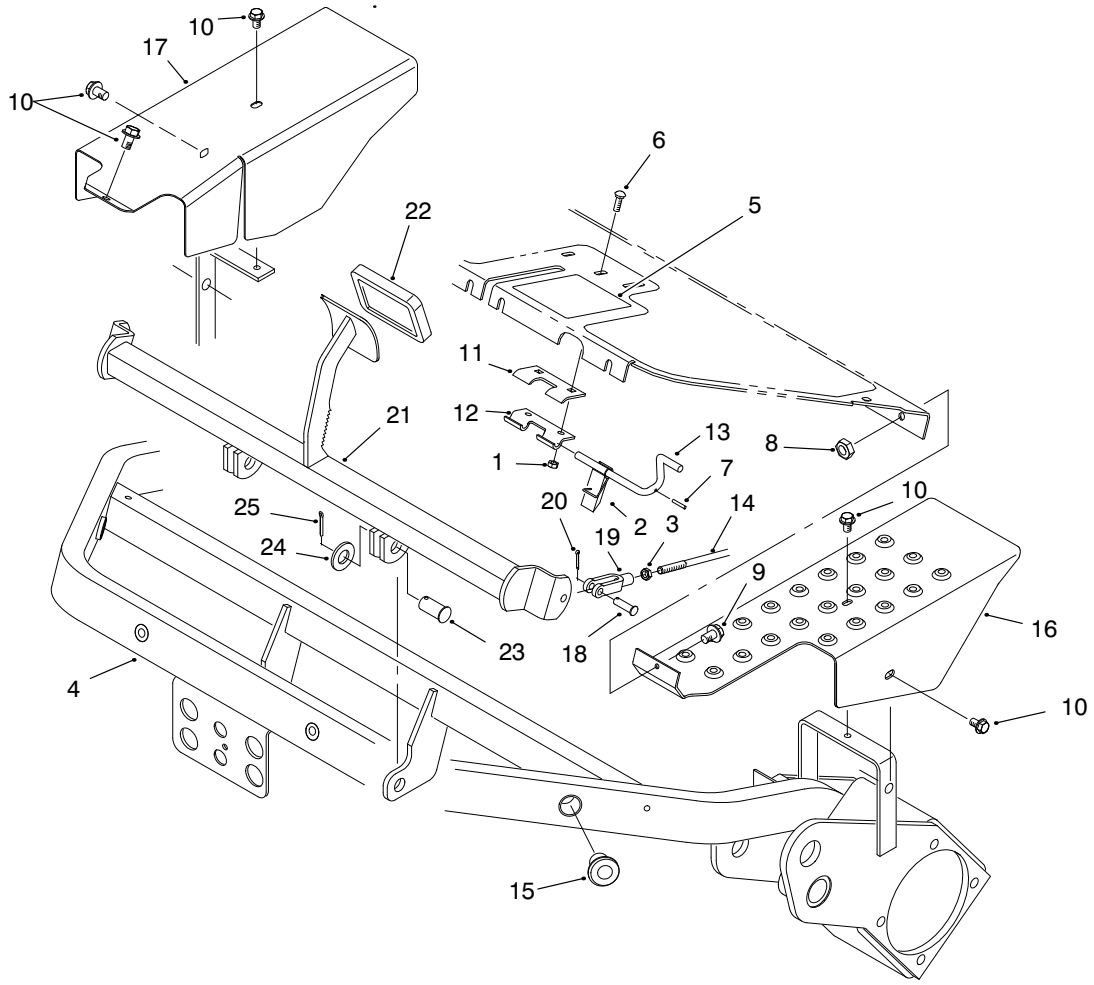
FORM NO. 3321–291

TORO®

MODEL NO. 04381–80333 & UP

PARTS CATALOG

GREENSMASTER® 3200D
TRACTION UNIT



T–2222–3

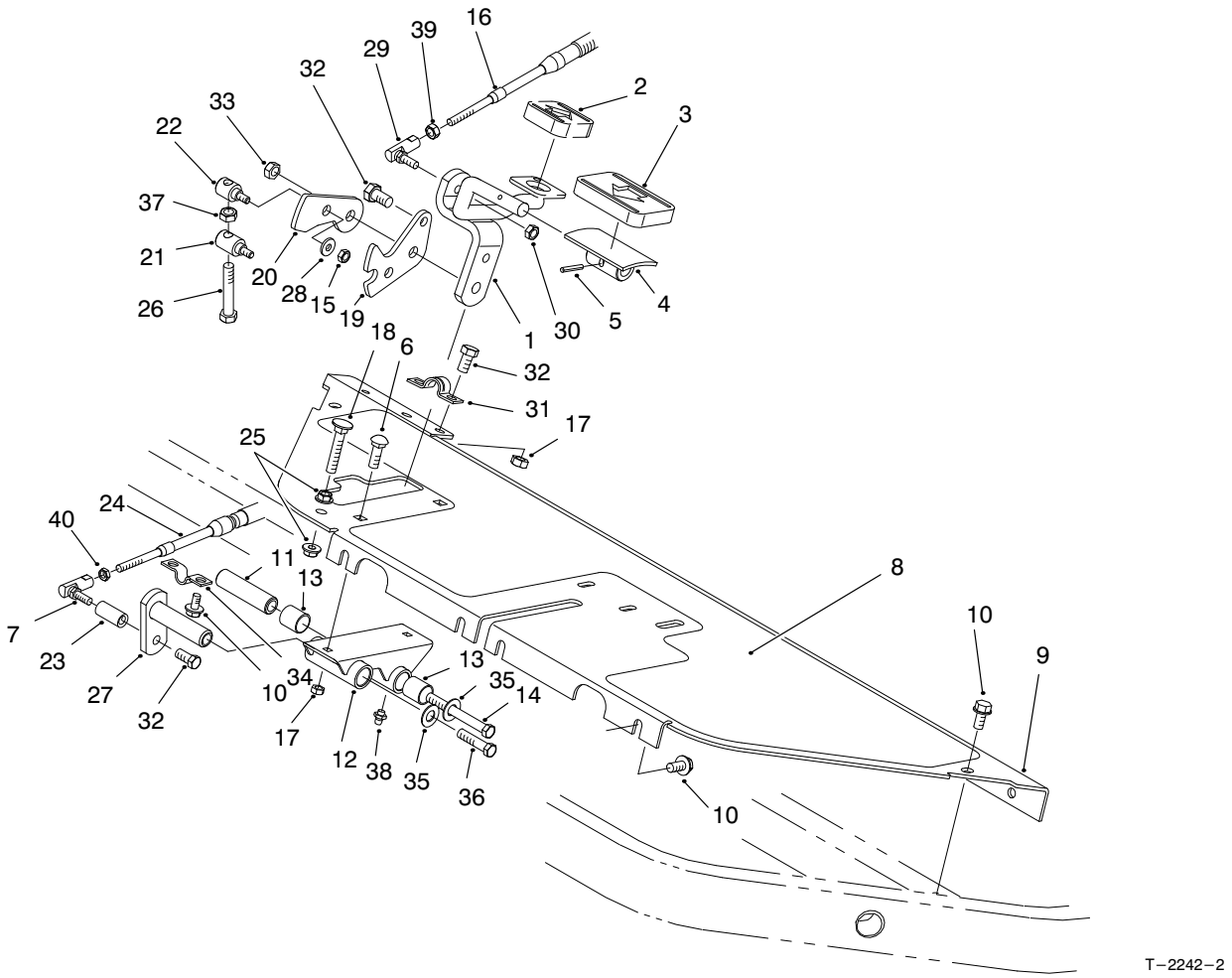
FRAME & BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	33023–00	Nut – Lock	2
2	93–2276	Spring – Brake Latch	1
3	3220–2	Nut – Jam	2
4	93–2010	Frame	1
5	93–8062	Decal – Parking Brake	1
6	33123–016	Screw – Carriage	2
7	32121–50	Pin – Roll	1
8	33024–00	Nut – Lock	1
9	33114–020	Screw – HH	1
10	32144–14	Screw – HH	5
11	95–1628	Hinge – Upper	1
12	95–1629	Hinge – Lower	1
13	94–9600	Brake Latch	1

Ref. No.	Part No.	Description	No. Used
14	93–2069	Rod – Brake	2
15	83–1700	Bushing – Flange	3
16	93–2073	Shield – Wheel LH	1
17	93–2072	Shield – Wheel RH	1
18	283–61	Pin – Clevis	2
19	282–2	Clevis	2
20	3272–6	Pin – Cotter	2
21	93–2075	Brake Pedal	1
22	93–7629	Pad – Foot Brake	1
23	283–87	Pin – Clevis	2
24	3256–27	Washer – Flat	2
25	3272–11	Pin – Cotter	2

© The TORO Company – 1998
All Rights Reserved

TPS

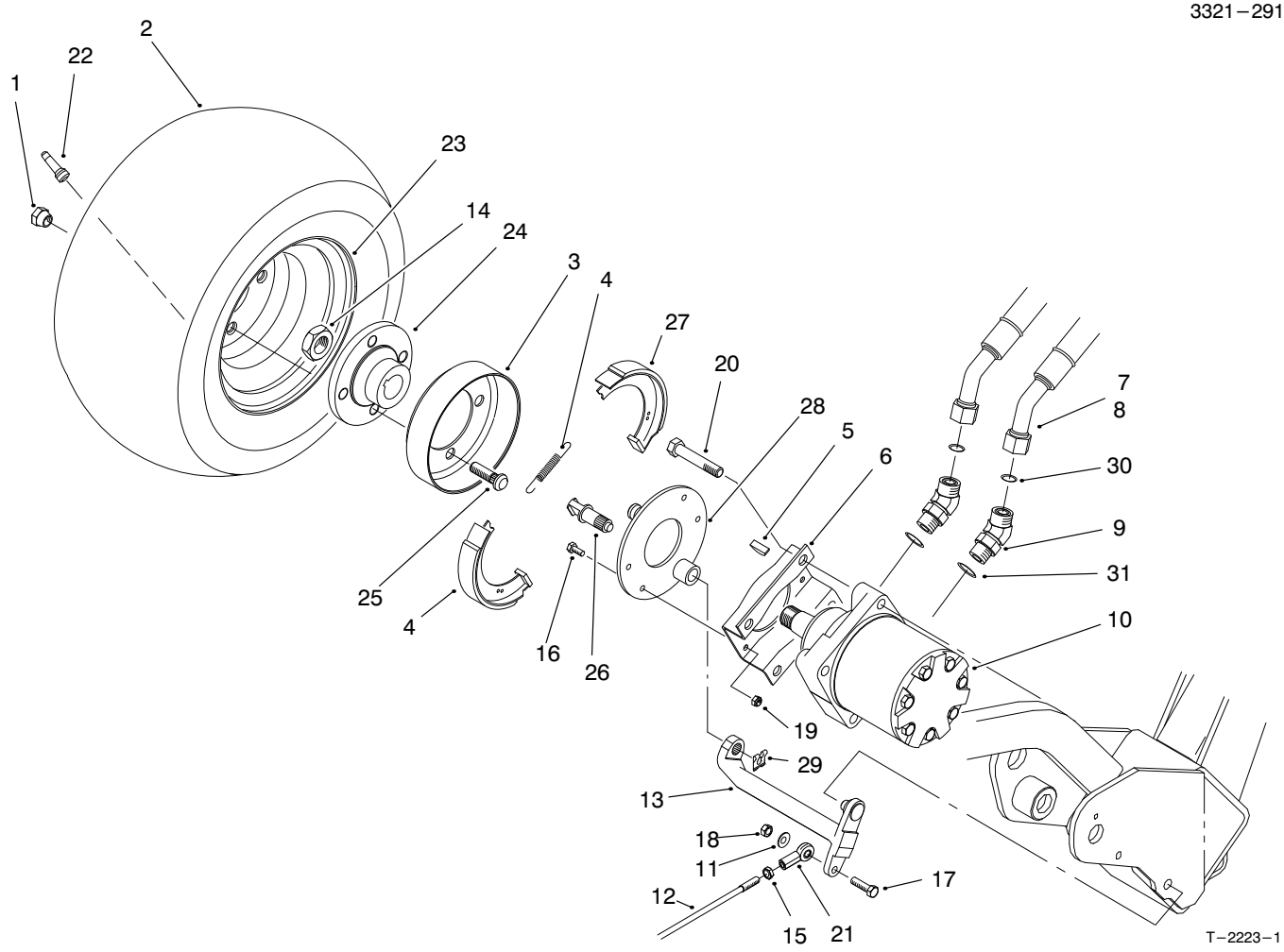


FLOOR PANEL & TRACTION PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93−2085	Rod	1
2	74−9110	Pad − Pedal Reverse	1
3	74−9100	Pad − Pedal Forward	1
4	49−6440	Pedal − Accelerator	1
5	32121−45	Roll Pin	1
6	33124−020	Screw − Carr.	2
7	2411−38	Ball Joint Assembly	1
8	93−2142	Pad − Floor Plate	1
9	94−6399	Plate − Floor	1
10	32144−14	Screw − HH	8
11	94−1371	Spacer	1
12	94−1383	Pedal Pivot	1
13	256−311	Bushing − Straight	4
14	33115−090	Screw − HH	1
15	33023−00	Nut − Lock	2
16	93−2099	Cable − Traction Control	1
17	33024−00	Nut − Lock	4
18	17−9420	Screw − Handle	1
19	94−1373	Bracket −Lock	1
20	94−1372	Bracket − Mow	1

Ref. No.	Part No.	Description	No. Used
21	94−1375	Trunion Lock Bracket	1
22	94−1374	Trunion Mow Bracket	1
23	94−1386	Shaft − Pedal Lock	1
24	94−1304	Cable − Neutral Lock	1
25	32128−20	Nut − Lock	2
26	94−3489	Screw − HH	1
27	94−1300	Neutral Lock	1
28	3256−1	Washer − Flat	2
29	2411−34	Ball Joint	1
30	3296−13	Nut − Lock	1
31	93−2092	Clamp − Cable	1
32	33114−016	Screw − HH	4
33	33025−00	Nut − Lock	1
34	93−2279	Clamp − Cable	1
35	3256−24	Washer − Flat	2
36	33115−016	Screw − HH	1
37	33014−00	Nut − Hex	1
38	302−5	Fitting − Grease	1
39	3220−1	Nut − Jam	1
40	3219−14	Nut − Hex.	1

* Not Illustrated

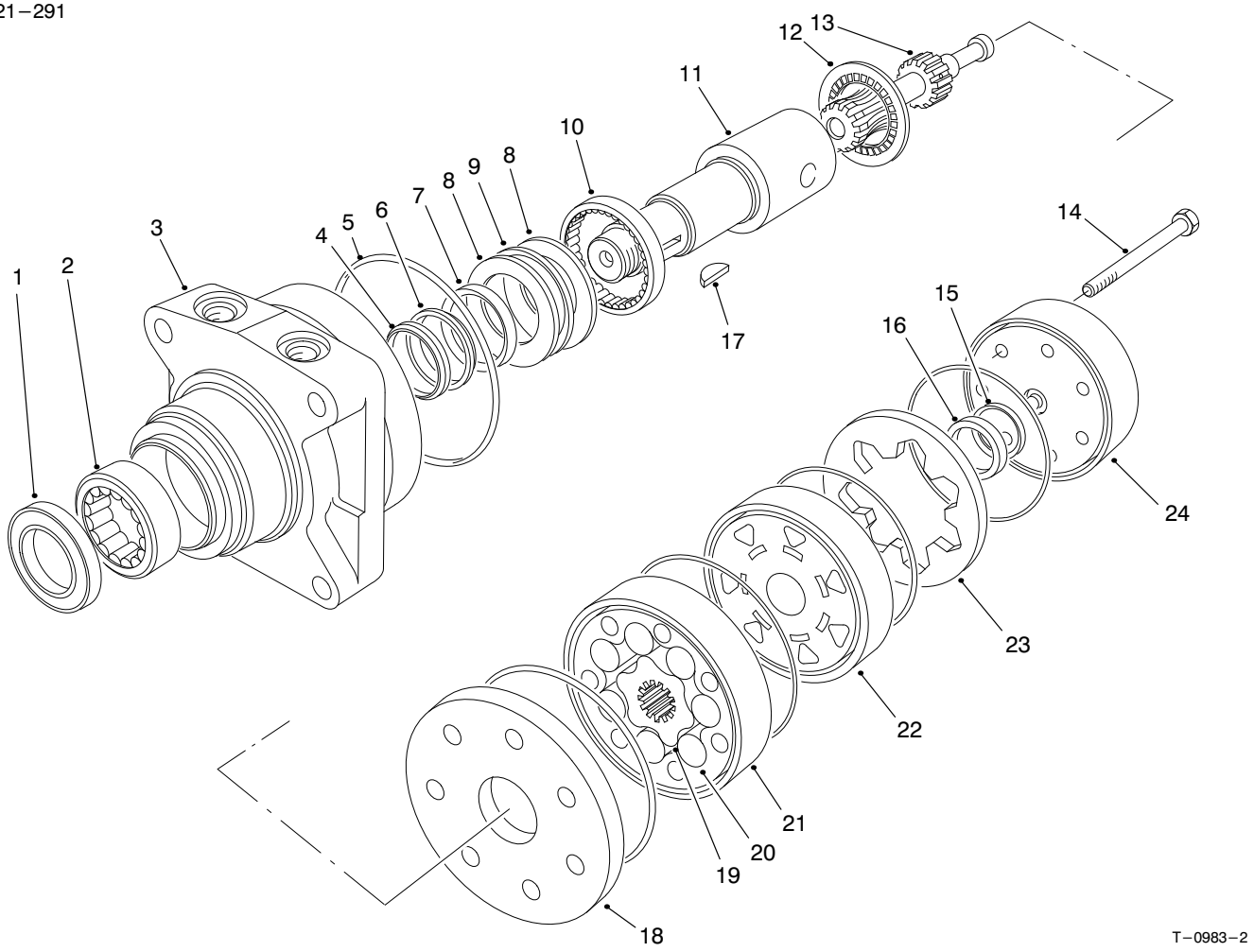


FRONT WHEEL & BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	242−50	Nut − Lug	8
2	28−3680	Tire	2
3	10−6850	Drum − Brake	2
4	70−9880	Spring − Return	4
5	3257−42	Key − Woodruff	2
6	84−2000	Bracket − Brake	2
7	94−5357	Hose Assembly − RH	2
8	94−5358	Hose Assembly − LH	2
9	340−14	Fitting − 45˚ (Incl. Ref. #30−31)	4
10	92−9199	Hydraulic Motor − Wheel	2
11	3256−23	Washer − Flat	2
12	93−2069	Rod − Brake	2
13	93−2096	Lever − Brake	2
14	26−3790	Nut − Lock	2
15	3220−20	Nut − Jam	2
16	33113−020	Screw − HH	8
17	33114−030	Screw − HH	2

Ref. No.	Part No.	Description	No. Used
18	33024−00	Nut − Lock NI	2
19	33023−00	Nut − Lock NI	8
20	33116−060	Screw − HH	8
21	93−2070	Clevis − Swivel	2
22	232−24	Stem − Valve	2
23	217−60	Rim	2
24	10−6870	Hub − Wheel	2
25	85−6540	Stud − Drive	8
26	70−9860	Cam − Brake	2
27	70−9840	Shoe − Brake	4
28	70−9870	Plate − Backing	2
29	70−9850	Clip − Retaining	2
30	237−65	O−Ring	4
31	237−80	O−Ring	4
*	10−6821	Brake Drum Assembly (Incl. Ref. #3 & 24−25)	2
*	71−1500	Brake Assembly (Incl. Ref. #4 & 26−29)	2

*Not Illustrated

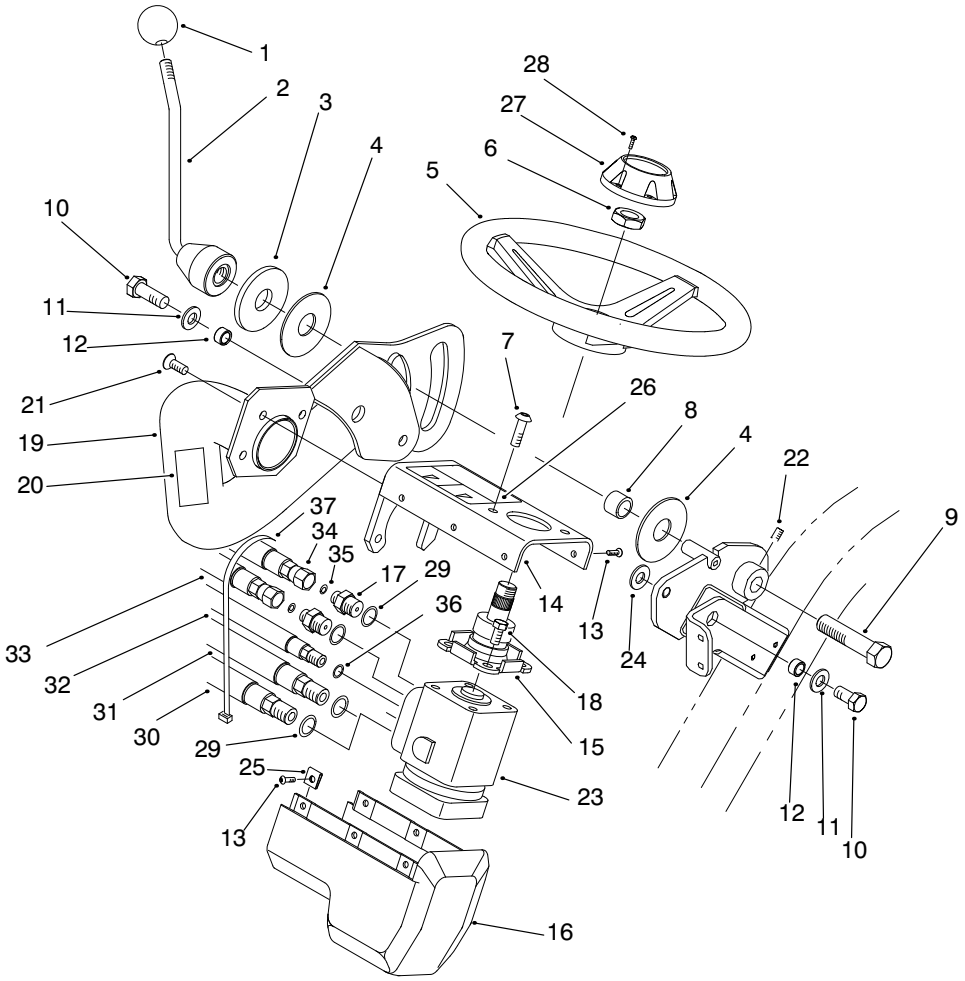


HYDRAULIC DRIVE MOTOR ASSEMBLY NO. 92−9199

Ref. No.	Part No.	Description	No. Used
†1		Seal − Dirt & Water	1
†2		Bearing	1
†3		Housing	1
†4		Washer − Back−Up	1
†5		Ring − Seal	5
†6		Washer − Back−Up	1
†7		Seal − Inner	1
†8		Washer − Thrust	2
†9		Bearing − Thrust	1
†10		Bearing	1
11	76−0860	Shaft − Coupling	1
12	76−0850	Bearing − Thrust	1
13	92−9761	Link − Drive	7
14	92−9762	Screw − Cap Hex. Hd.	1
†15		Seal − Commutator	1
†16		Commutator	1

Ref. No.	Part No.	Description	No. Used
17	3257−42	Key − Woodruff	1
18	76−0870	Plate − Wear	1
†19		Rotor	1
†20		Vane	7
†21		Stator	1
22	76−0840	Manifold	1
†23		Ring − Commutator	1
24	76−0940	End Cover Assembly	1
*	92−9763	Rotor Set (Incl. Ref. #19−21)	1
*	76−0880	Commutator Assembly (Incl. Ref. #15, 16 & 23)	1
*	94−8178	Seal Kit (Incl. Ref. #1, 4−7 & 15)	1
*	76−0810	Housing Assembly (Incl. Ref. #2, 3 & 8−10)	1

*Not Illustrated
†Not Serviced Separately

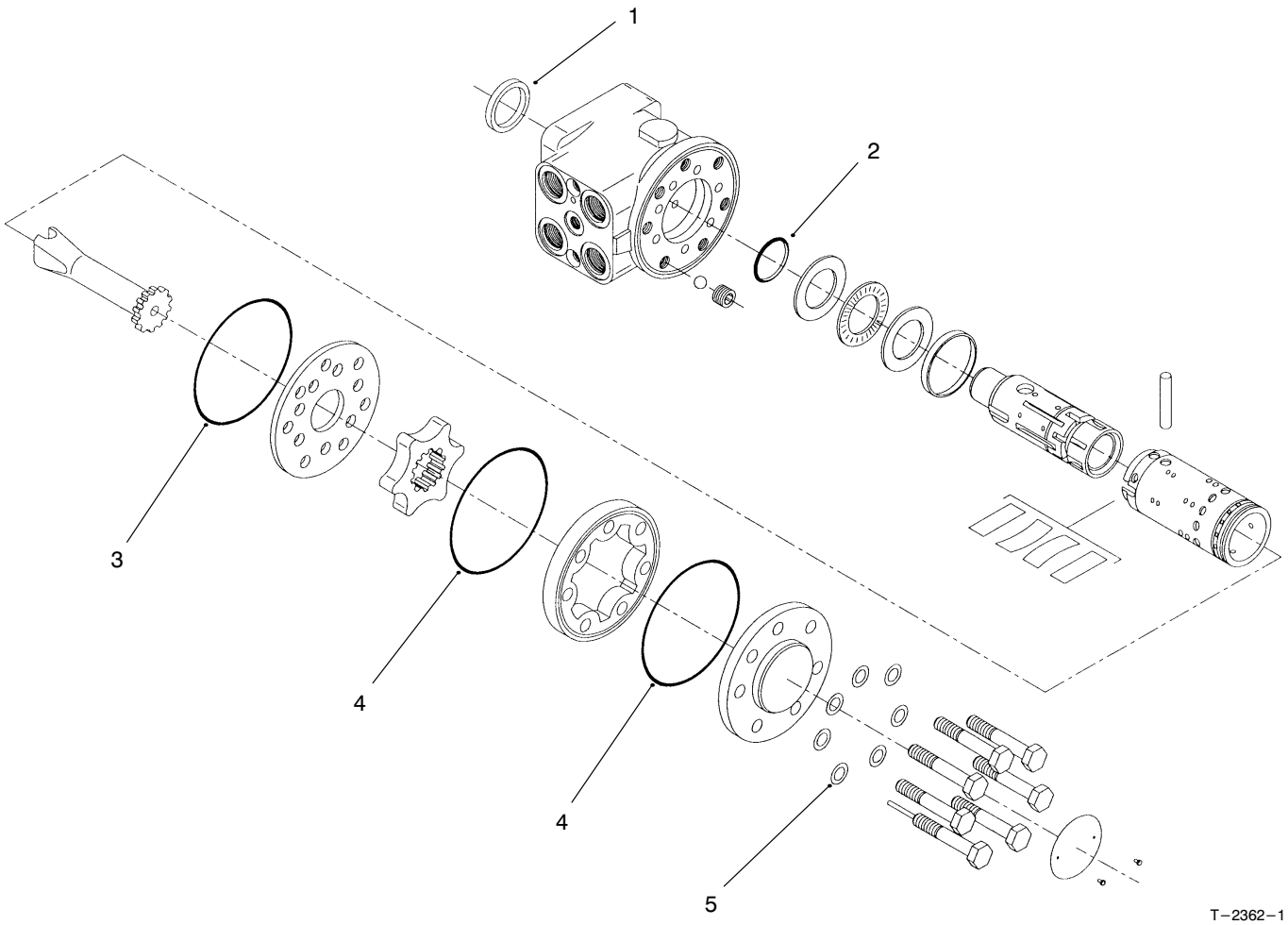


T−2224−1

STEERING ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	233−48	Knob	1
2	93−2400	Lockup Handle	1
3	83−0760	Spacer − Lockup	1
4	83−0740	Disc − Friction	2
5	68−5130	Wheel − Steering (Incl. Ref. #27−28)	1
6	47−6990	Nut − Steering Wheel	1
7	3274−63	Screw − HSBH	2
8	83−0730	Spacer − Lockup	1
9	93−2199	Screw − HH	1
10	325−4	Screw − HH	2
11	3256−26	Washer − Flat	2
12	47−2890	Bushing	2
13	3274−39	Screw − HSBH	6
14	94−9628	Steering Cover Asm (Incl. Ref. #26)	1
15	83−1420	Steering Column Assembly	1
16	94−6366	Cover − Steering Valve	1
17	340−133	Fitting − Hydraulic (Incl. Ref. #29−30)	2

Ref. No.	Part No.	Description	No. Used
18	323−4	Screw − HH	2
19	93−2115	Steering Arm	1
20	93−8068	Decal − Steering Arm	1
21	3274−80	Screw − HSBH	3
22	3246−3	Screw − Set	1
23	93−2120	Steering Control Valve	1
24	65−6390	Washer − Thrust	1
25	3290−277	Nut − Speed	6
26	93−8063	Decal − Warning	1
27	68−5140	Cap − Steering Wheel	1
28	32144−21	Screw − PPH	2
29	237−79	O−Ring	4
30	93−2272	Hose Assembly	1
31	93−2252	Hose Assembly	1
32	93−2269	Hose Assembly	1
33	93−2270	Hose Assembly	1
34	93−2271	Hose Assembly	1
35	237−21	O−Ring	2
36	237−42	O−Ring	1
37	3290−379	Tie − Cable	1

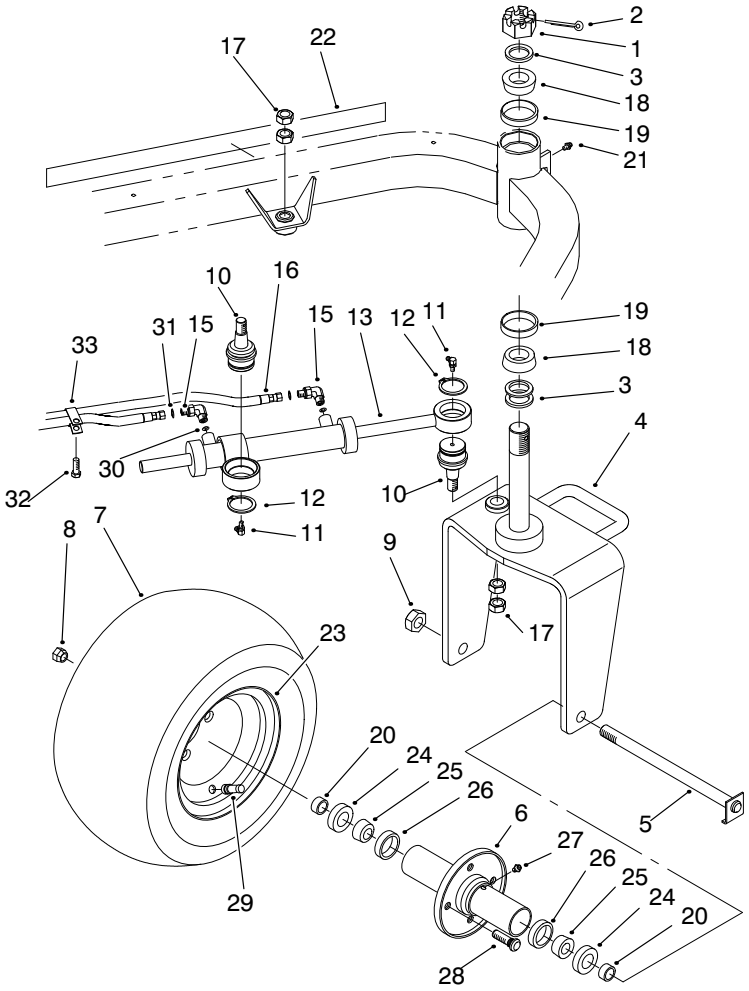


STEERING CONTROL VALVE NO. 93−2120

Ref. No.	Part No.	Description	No. Used
†1		Ring − Dust Seal	1
†2		O−Ring	1
†3		O−Ring	1
†4		O−Ring	2

Ref. No.	Part No.	Description	No. Used
†5		Washer	7
*	94−4929	Kit − Seal (Incl. Ref. #1−5)	1

†Not Serviced Separately



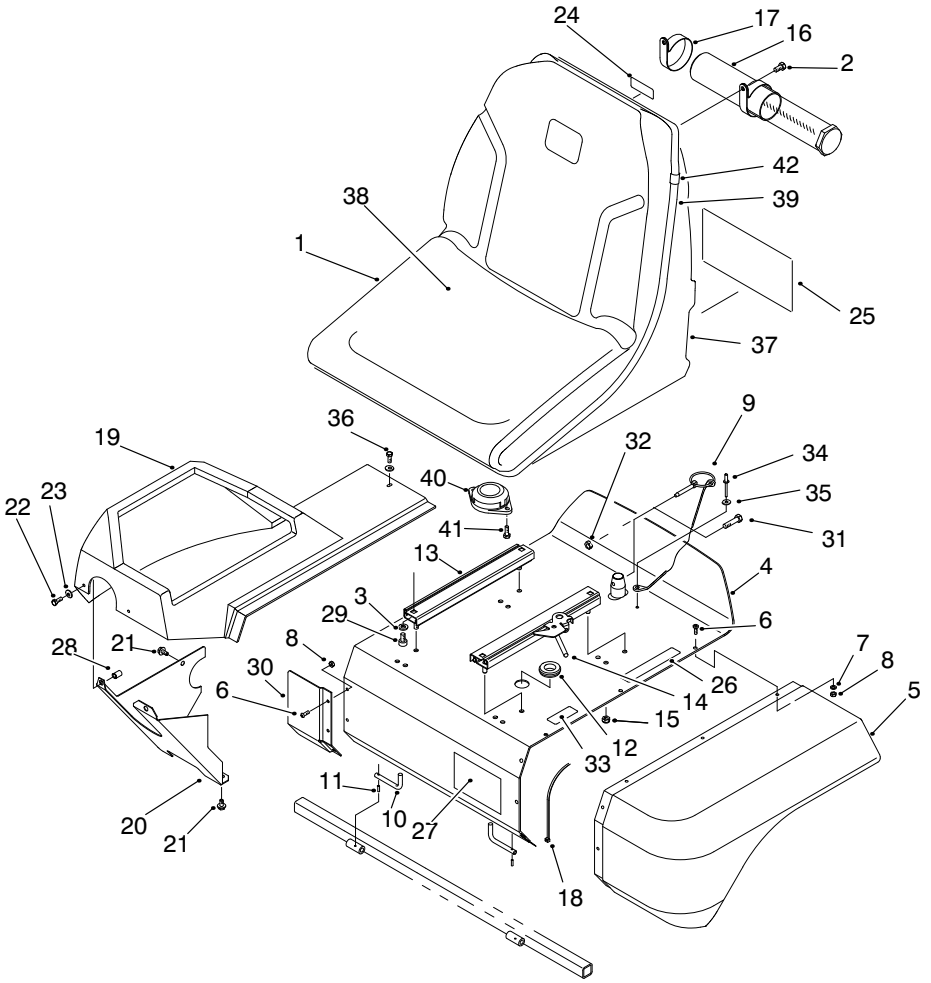
T−2225−1

REAR WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32136−9	Nut − Hex	1
2	3272−37	Pin − Cotter	1
3	18−6320	Washer − Steering	3
4	93−2125	Castor Fork	1
5	5−3934	Bolt	1
6	75−9440	Hub − Wheel	1
7	28−3680	Tire	1
8	242−50	Nut − Lug	4
9	3296−67	Nut − Lock NI	1
10	92−5838	Ball Joint	2
11	302−60	Fitting − Grease, 90°	2
12	32151−104	Ring − Retaining, Ext.	2
13	93−2122	Cylinder Asm − Steering (Incl. Ref. #32)	1
14	93−2270	Hose Assembly	1
15	340−132	Fitting − Hydraulic	2
16	93−2269	Hose Assembly	1
17	3220−6	Nut − Jam	4

Ref. No.	Part No.	Description	No. Used
18	254−70	Bearing Cone	2
19	254−61	Bearing − Cup	2
20	74−3730	Spacer − Cylinder	2
21	302−5	Fitting − Grease, Str.	1
22	93−2233	Decal −GR3200	2
23	217−60	Rim	1
24	253−111	Seal − Shaft	2
25	254−78	Cone − Bearing	2
26	254−79	Cup − Bearing	2
27	302−55	Fitting − Grease	1
28	10−6830	Stud − Drive	4
29	232−27	Valve Stem w/Cap	1
30	237−78	O−Ring	2
31	237−21	O−Ring	2
32	32144−14	Screw − Hex. Washer Hd.	1
33	92−5753	Clamp − Hose Double	1
*	94−4398	Kit − Seal, Cylinder Repair	1

*Not Illustrated



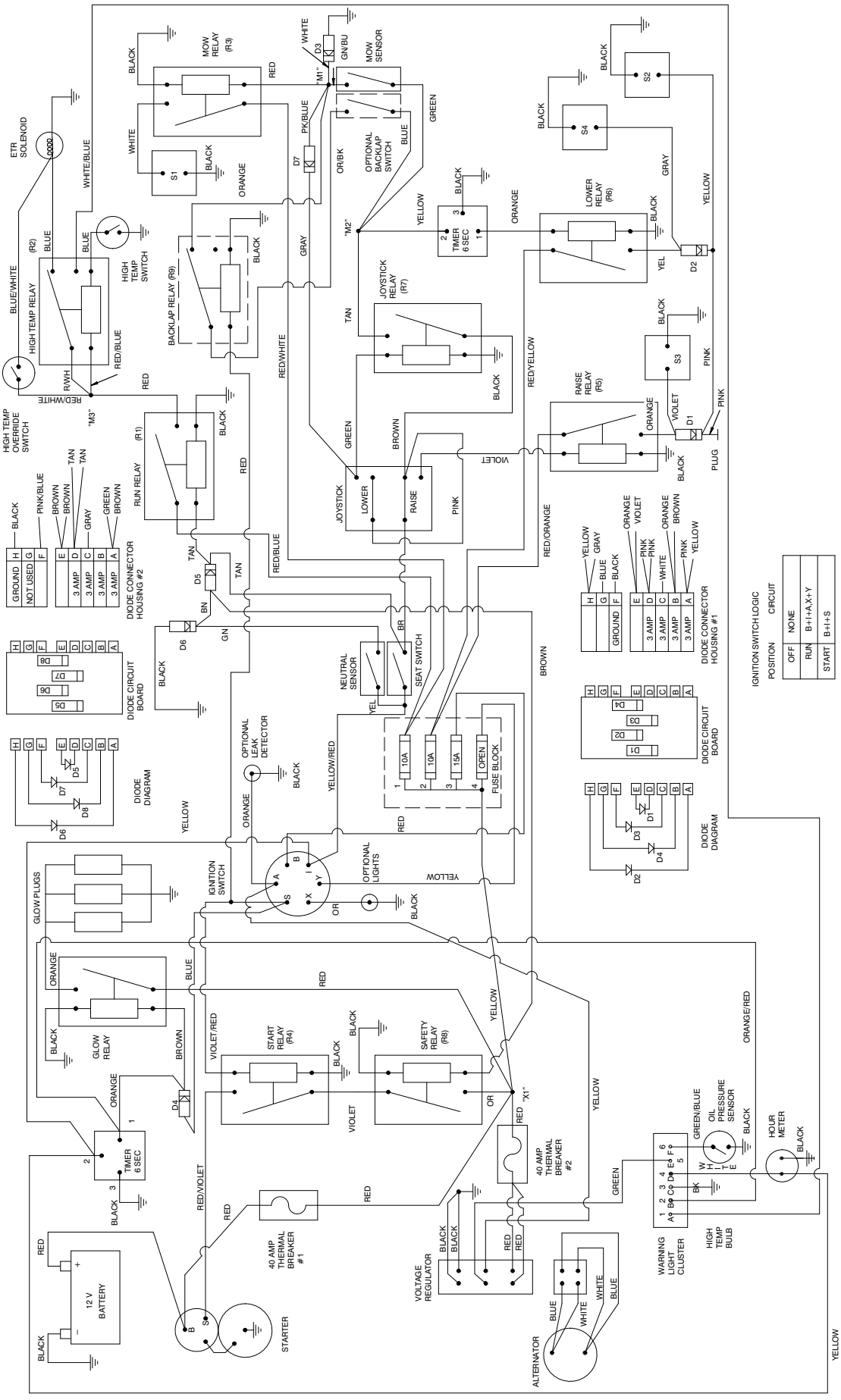
T−2226−3

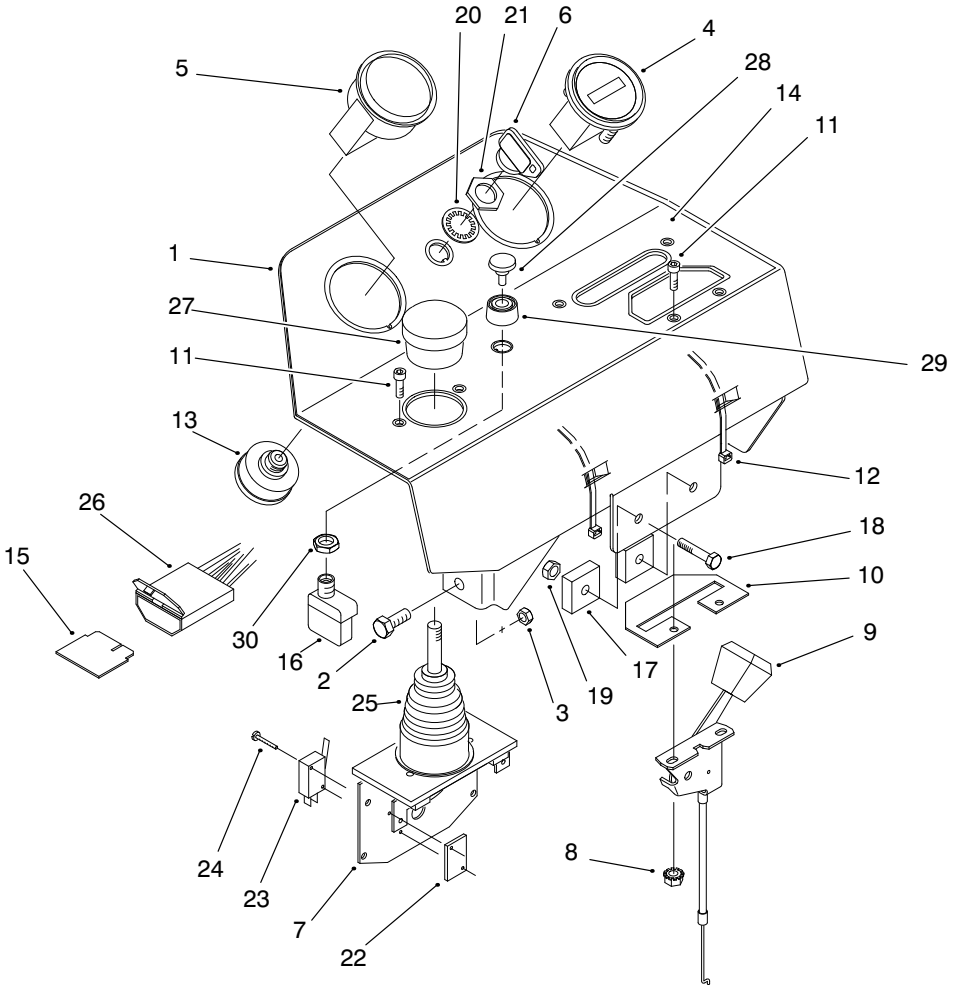
SEAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92−6280	Seat Assembly (Incl. Ref. #37−42)	1
2	322−2	Screw − HH	2
3	3256−23	Washer − Flat	4
4	94−9627	Seat Support Asm (Incl. Ref. #26, 27 & 33)	1
5	93−2128	Panel − Seat Base	1
6	3274−39	Screw − HSBH	9
7	3256−77	Washer − Flat	6
8	3296−12	Nut − Lock	9
9	77−3780	Lynch Pin & Lanyard Assy.	
10	93−2422	Rod − Seat Pivot	2
11	32121−7	Pin − Spring	2
12	237−100	Grommet	1
13	92−8990	Adjuster − Seat	1
14	92−8991	Adjuster w/Latch	1
15	3296−29	Nut − Lock	4
16	74−0720	Tube − Manual	1
17	2412−133	Clamp − R	2
18	3290−378	Tie − Cable	1
19	93−2578	Shroud − Console	1
20	94−4547	Panel − Lower	1
21	32144−14	Screw − HH	2
22	33113−016	Screw − HH	2
23	3256−1	Washer − Flat	3
24	93−8067	Decal − Hydraulic Oil	1
25	94−9633	Decal − Service	1
25	94−9642	Decal − Service (Danish)	1

Ref. No.	Part No.	Description	No. Used
25	94−9643	Decal − Service (Dutch)	1
25	94−9641	Decal − Service (Finnish)	1
25	94−9635	Decal − Service (French)	1
25	94−9636	Decal − Service (German)	1
25	94−9638	Decal − Service (Italian)	1
25	94−9644	Decal − Service (Japanese)	1
25	94−9640	Decal − Service (Norwegian)	1
25	94−9639	Decal − Service (Portuguese)	1
25	94−9634	Decal − Service (Spanish)	1
25	94−9637	Decal − Service (Swedish)	1
26	93−6689	Decal − No Rider	1
27	94−2579	Decal − Toro	1
28	93−5447	Insert − Threaded	2
29	3274−12	Screw − HSH	4
30	94−4546	Panel − Extension	1
31	33113−030	Screw − HH (Europe)	1
32	33023−00	Nut − Lock NI (Europe)	1
33	93−7252	Decal − CE Mark	1
34	3290−282	Rivet − Pop	1
35	3256−49	Washer − Flat	1
36	33113−012	Sctew − Hex. Hd.	1
37	92−6534	Shell − Seat	1
38	92−6533	Kit − Cushion Repair	1
39	351−78	Edging	1
40	92−6282	Switch − Seat	1
41	321−3	Screw − Hex. Hd.	2
42	351−80	Clip − Edging	1

ELECTRICAL SCHEMATIC



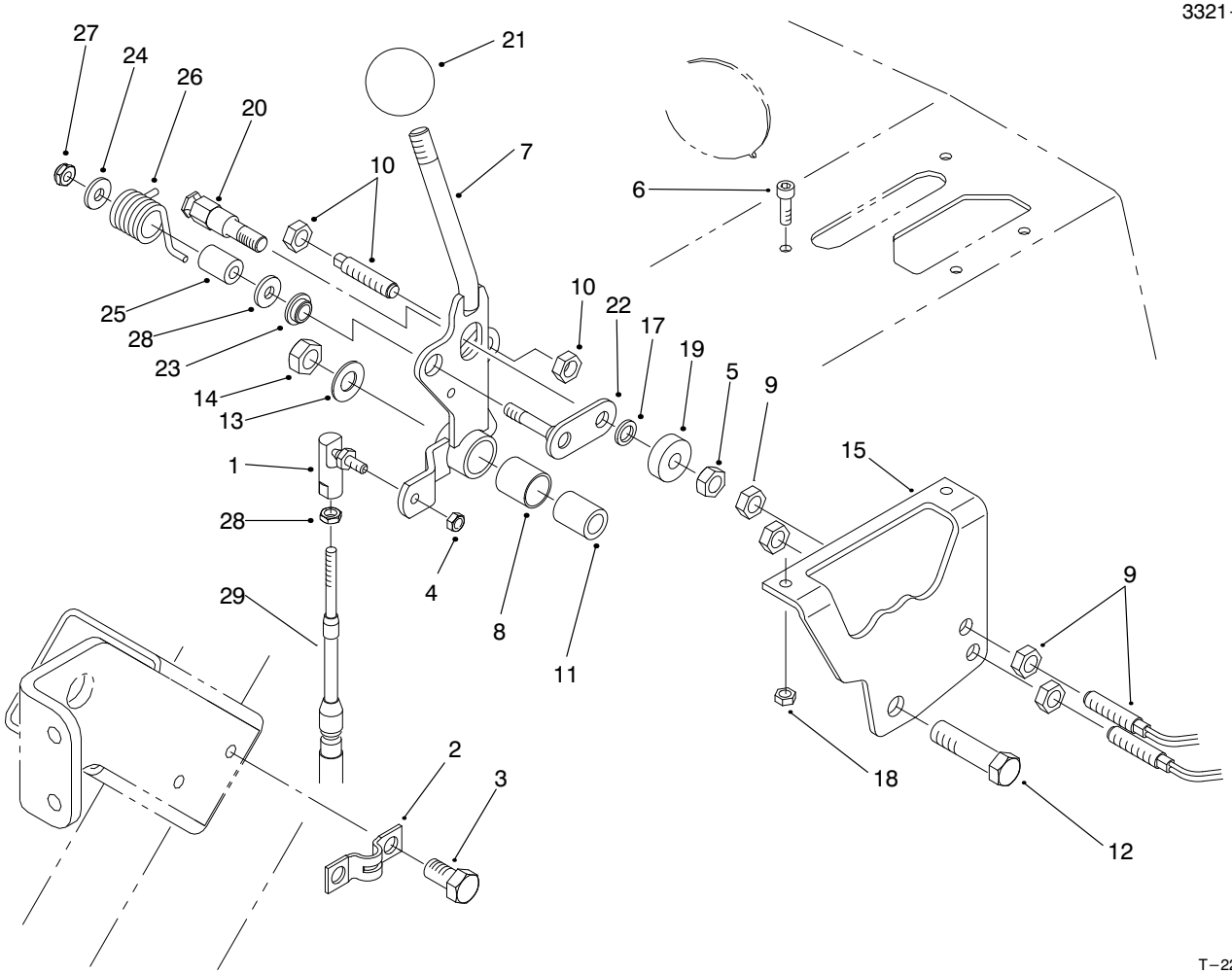


T−2292−1

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94−6953	Console	1
2	33114−020	Screw − HH	4
3	33024−00	Nut − Lock NI	4
4	66−2950	Gauge − Hour Meter	1
5	92−9775	Warning Light Cluster	1
6	63−8360	Key − Ignition	2
7	98−2195	Lever − Control (Incl. Ref. #22−25 & 27)	1
8	32149−8	Nut − Keps	2
9	93−2322	Control − Throttle	1
10	85−9190	Plate − Control	1
11	3273−26	Screw − PPH	4
12	3290−378	Tie − Cable	2
13	27−2360	Switch − Ignition	1
14	94−8077	Decal − Console	1
15	92−3188	Diode − Circuit Board	1

Ref. No.	Part No.	Description	No. Used
16	72−9760	Switch − Override (Incl. Ref. #30)	1
17	92−2538	Timer − Glow Plug	2
18	33113−030	Screw − HH	2
19	33023−00	Nut − Lock NI	2
20	218−446	Washer − Lock	1
21	218−447	Nut − Hex.	1
22	3290−354	Plate − Nut	2
23	218−590	Switch − Micro	2
24	3290−93	Screw − HH	4
25	3290−488	Boot − Control, Lift	1
26	93−2340	Harness − Wire	1
27	3290−489	Knob − Control, Lift	1
28	43−6280	Button − Push	1
29	43−6420	Bezel	1
30	218−498	Nut − Hex.	1



T−2265−5

TRACTION HANDLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2411−38	Ball Joint	1
2	93−2279	Clamp − Cable	1
3	32144−14	Screw − HH	2
4	3296−27	Nut − Lock	1
5	33024−00	Nut − Lock NI	1
6	3273−26	Screw − HSH	2
7	94−9611	Handle	1
8	256−311	Bushing − Straight	1
9	93−2055	Reed Switch − Sensor	2
10	93−2056	Reed Switch − Actuator	1
11	94−1378	Tube − Handle Pivot	1
12	33115−040	Screw − HH	1
13	33025−00	Nut − Lock NI	1
14	3256−24	Washer − Flat	1

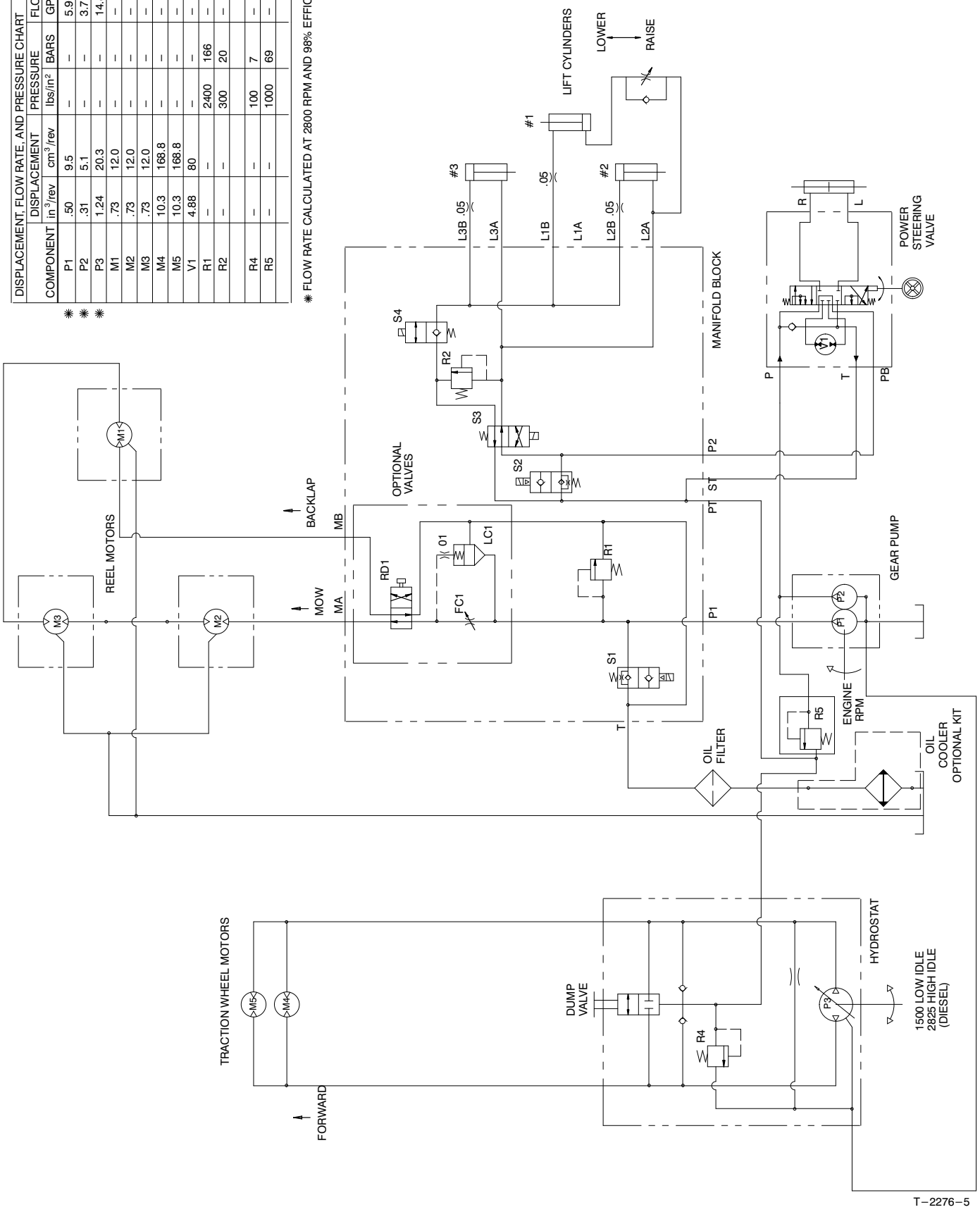
Ref. No.	Part No.	Description	No. Used
15	94−6398	Bracket − Traction	1
17	75−5470	Spacer	1
18	3296−27	Nut − Lock	2
19	251−259	Bearing − Ball	1
20	94−9617	Pin − Spring	1
21	233−42	Knob	1
22	94−9614	Roller − Pivot	1
23	94−9619	Bushing	1
24	3256−1	Washer − Flat	1
25	94−9618	Spacer − Spring	1
26	94−9620	Spring − Torsion	1
27	33023−00	Nut − Lock	1
28	3256−23	Washer − Flat	1

HYDRAULIC SCHEMATIC

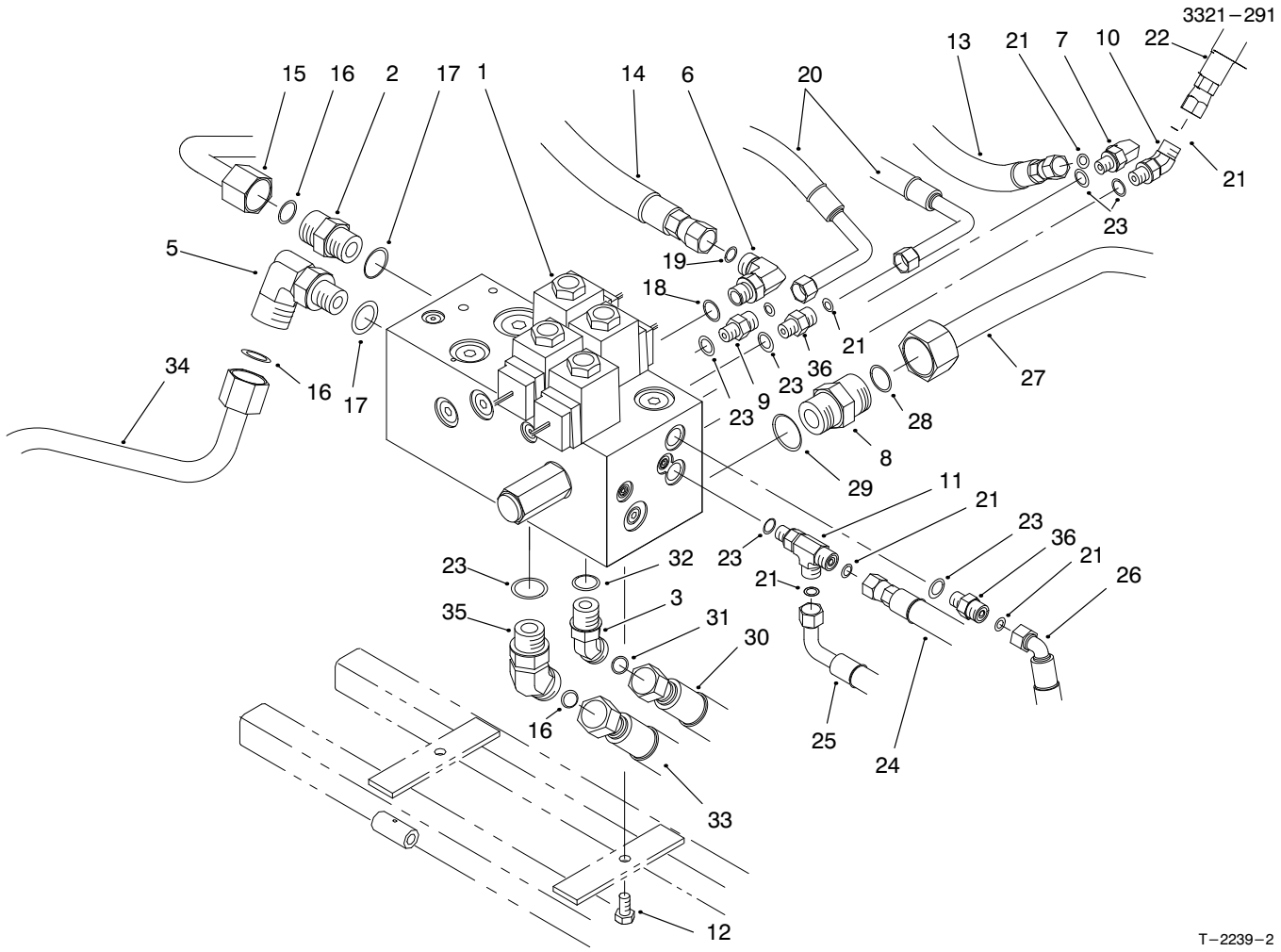
DISPLACEMENT, FLOW RATE, AND PRESSURE CHART						
	DISPLACEMENT		PRESSURE		FLOW RATE	
COMPONENT	in^3/rev	cm^3/rev	lbs/in^2	BARS	GPM	LPM
P1	.50	9.5	–	–	5.9	22.4
P2	.31	5.1	–	–	3.7	13.9
P3	1.24	20.3	–	–	14.8	55.8
M1	.73	12.0	–	–	–	–
M2	.73	12.0	–	–	–	–
M3	.73	12.0	–	–	–	–
M4	10.3	168.8	–	–	–	–
M5	10.3	168.8	–	–	–	–
V1	4.88	80	–	–	–	–
R1	–	–	2400	166	–	–
R2	–	–	300	20	–	–
R4	–	–	100	7	–	–
R5	–	–	1000	69	–	–

✱✱✱

✱ FLOW RATE CALCULATED AT 2800 RPM AND 98% EFFICIENCY

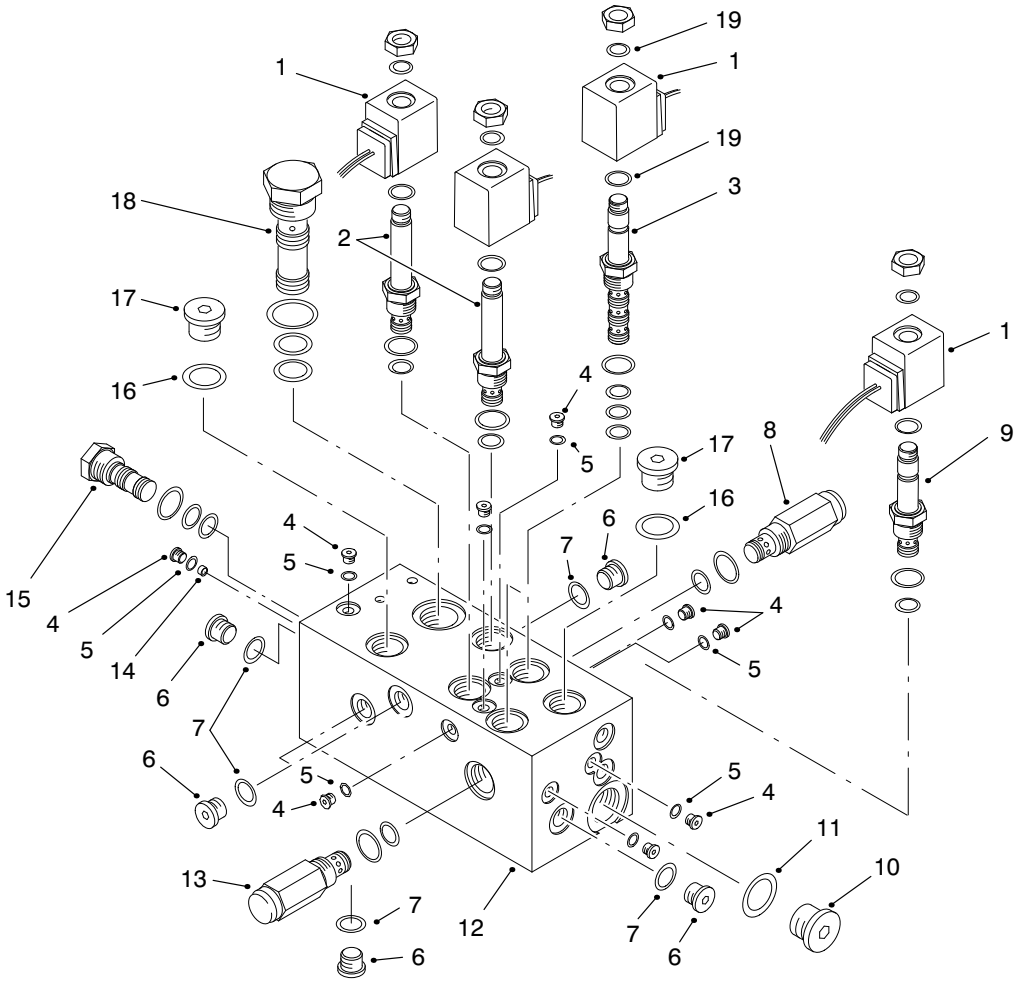


T–2276–5



MANIFOLD INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93−2240	Manifold Assembly	1
2	340−7	Fitting − Hydraulic (Incl. Ref. #16−17)	1
3	340−138	Fitting − Hydraulic 45° (Incl. Ref. #31−32)	1
5	340−17	Fitting − Hydraulic 90° (Incl. Ref. #16−17)	1
6	340−77	Fitting − Hydraulic 90° (Incl. Ref. #18−19)	1
7	340−132	Fitting − Hydraulic 90° (Incl. Ref. #21 & 23)	1
8	340−9	Fitting − Hydraulic (Incl. Ref. #28−29)	1
9	340−92	Fitting − Hydraulic (Incl. Ref. #21 & 23)	1
10	340−103	Fitting − Hydraulic 45° (Incl. Ref. #21 & 23)	1
11	340−140	Tee − Hydraulic (Incl. Ref. #21 & 23)	1
12	33114−016	Screw − HH	2
13	93−2271	Hose Assembly	1
14	93−2272	Hose Assembly	1
15	94−1317	Tube − Hydraulic	1
16	237−65	O−Ring	3
17	237−80	O−Ring	2
18	237−42	O−Ring	1
19	237−22	O−Ring	1
20	93−2254	Hose Assembly	2
21	237−21	O−Ring	7
22	94−3477	Hose Assembly	1
23	237−78	O−Ring	7
24	93−2258	Hose Assembly	1
25	93−2256	Hose Assembly	1
26	93−2255	Hose Assembly	1
27	94−4518	Tube − Hydraulic	1
28	237−58	O−Ring	1
29	237−81	O−Ring	1
30	94−6383	Hose Assembly	1
31	237−30	O−Ring	1
32	237−79	O−Ring	1
33	94−1332	Hose Assembly	1
34	94−1320	Tube − Hydraulic	1
35	340−14	Fitting − Hydraulic (Incl. Ref. #16 & 23)	1
36	95−1639	Fitting − Orificed (Incl. Ref. #21 & 23)	2



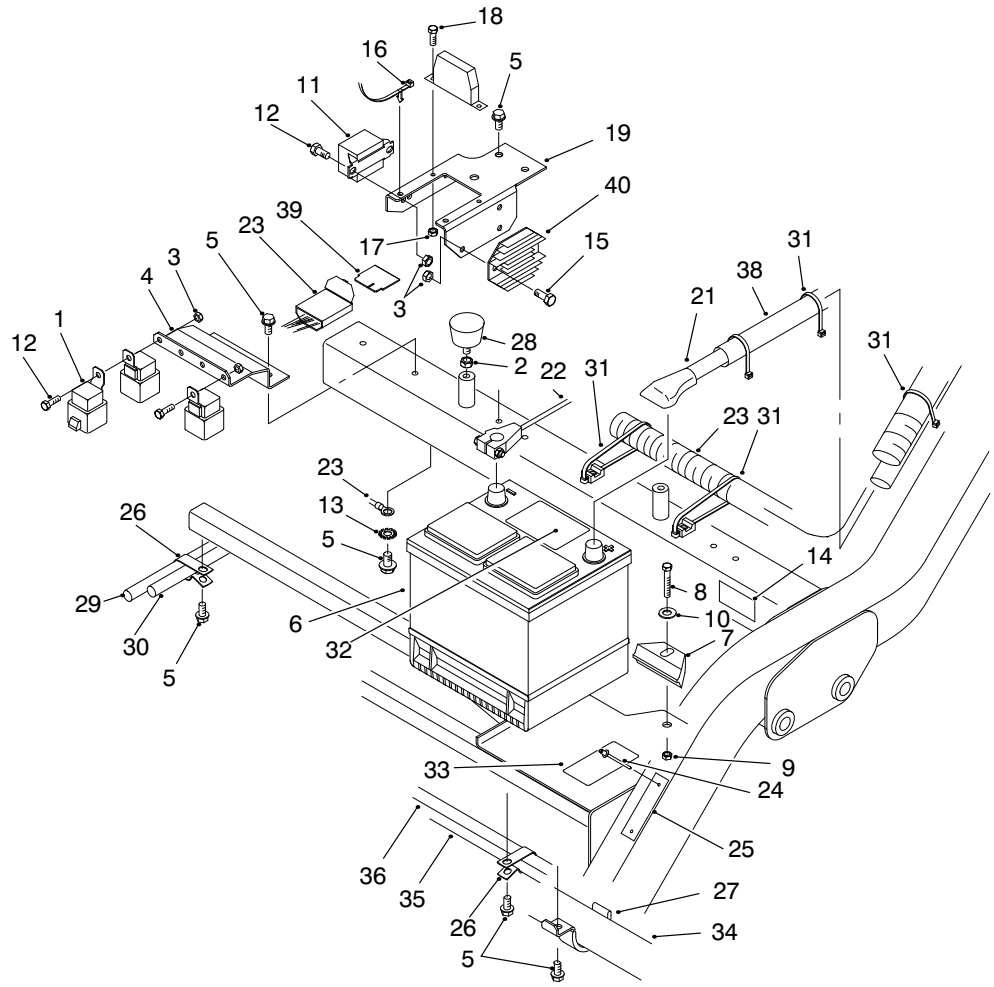
T−2251−1

MANIFOLD ASSEMBLY NO. 93−2240

Ref. No.	Part No.	Description	No. Used
1	88−9190	Solenoid − 20 Watt	4
2	93−7494	Cartridge − N.O. Poppet (Use Seal Kit #75−2080)	2
3	94−2627	Cartridge (Use Seal Kit #75−2090)	1
4	353−991	Plug (Incl. Ref. #5)	9
5	237−156	O−Ring	9
6	353−989	Plug (Incl. Ref. #7)	6
7	237−42	O−Ring	6
8	75−2010	Cartridge − Relief 2400 psi (Use Seal Kit #75−2080)	1
9	92−6315	Cartridge − N.C. (Use Seal Kit #75−2080)	1
10	353−988	Plug (Incl. Ref. #11)	1
11	237−79	O−Ring	1

Ref. No.	Part No.	Description	No. Used
†12		Body − Manifold	1
13	94−6351	Cartridge − Relief 150 psi (Use Seal Kit #75−2080)	1
14	95−5999	Plug − Orifice	1
15	94−6353	Plug − Cavity (Use Seal Kit #95−5641)	1
16	237−80	O−Ring	2
17	354−70	Plug (Incl. Ref. #16)	2
18	94−6352	Plug − Cavity (Use Seal Kit #94−3661)	1
19	94−5438	Seal − Solenoid	8
*	75−2080	Seal Kit	5
*	95−5641	Seal Kit	1
*	75−2090	Seal Kit	1
*	94−3661	Seal Kit	1

*Not Illustrated
†Not serviced separately



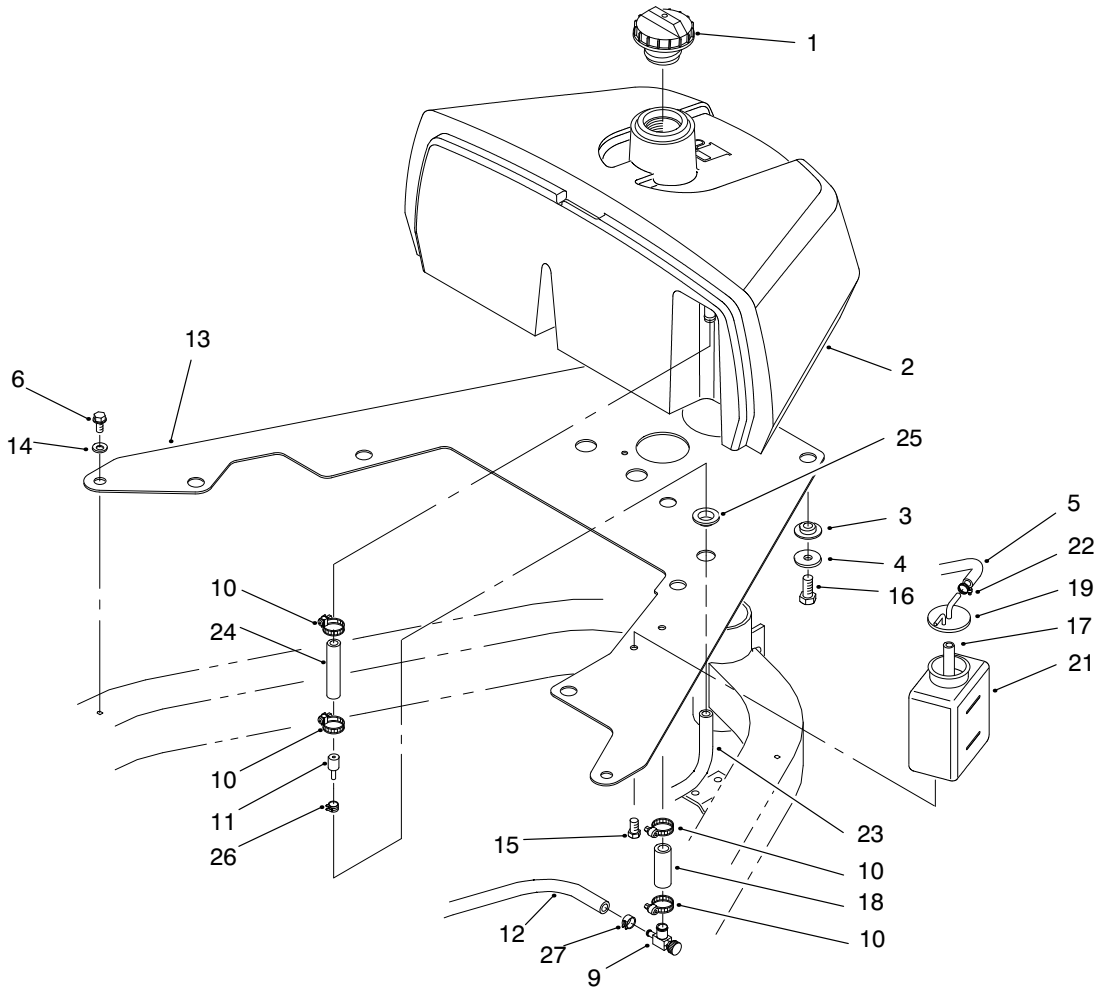
T−2275−5

ELECTRONICS INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	70−1480	Relay	8
2	3218−2	Nut − Hex Jam	2
3	33023−00	Nut − Lock	8
4	93−2169	Bracket − Relay	1
5	32144−14	Screw − HH	8
6	66−2750	Battery	1
7	66−2490	Retainer − Battery	1
8	33115−040	Screw − HH	1
9	33025−00	Nut − Lock	1
10	3256−24	Washer − Flat	1
11	66−8800	Relay − Glow Plug	1
12	33113−016	Screw − HH	6
13	3254−2	Washer − Lock	1
†14		Decal − ANSI	1
15	33113−030	Screw − HH	2
16	94−1325	Push Mount Tie	2
17	3296−2	Nut − Lock	2
18	32105−13	Screw − HH	2
19	93−2123	Bracket − Fuse Block	1
21	93−2343	Cable − Battery Positive	1

Ref. No.	Part No.	Description	No. Used
22	93−2344	Cable − Battery Negative	1
23	93−2340	Wire Harness	1
24	3290−415	Rivet − Pop	2
†25		Serial Plate	1
26	92−5753	Clamp − Hose Double	2
27	93−2036	Clamp − Air Hose	1
28	68−3270	Bumper	2
29	93−2270	Hose Assembly	1
30	93−2269	Hose Assembly	1
31	3290−378	Tie − Cable	7
32	93−7276	Decal − Danger	1
33	93−6668	Decal − Battery	1
34	93−2035	Hose − Air Cleaner	1
35	93−2256	Hose Assembly	1
36	93−2255	Hose Assembly	1
38	94−4519	Tube − Convoluted	1
39	92−3188	Diode − Circuit Board	1
‡40	185516140	Regulator	1
*	70−8570	Circuit Breaker − 40 Amp	2

*Not Illustrated
†Not serviced separately
‡Obtain from your local Perkins Dealer.

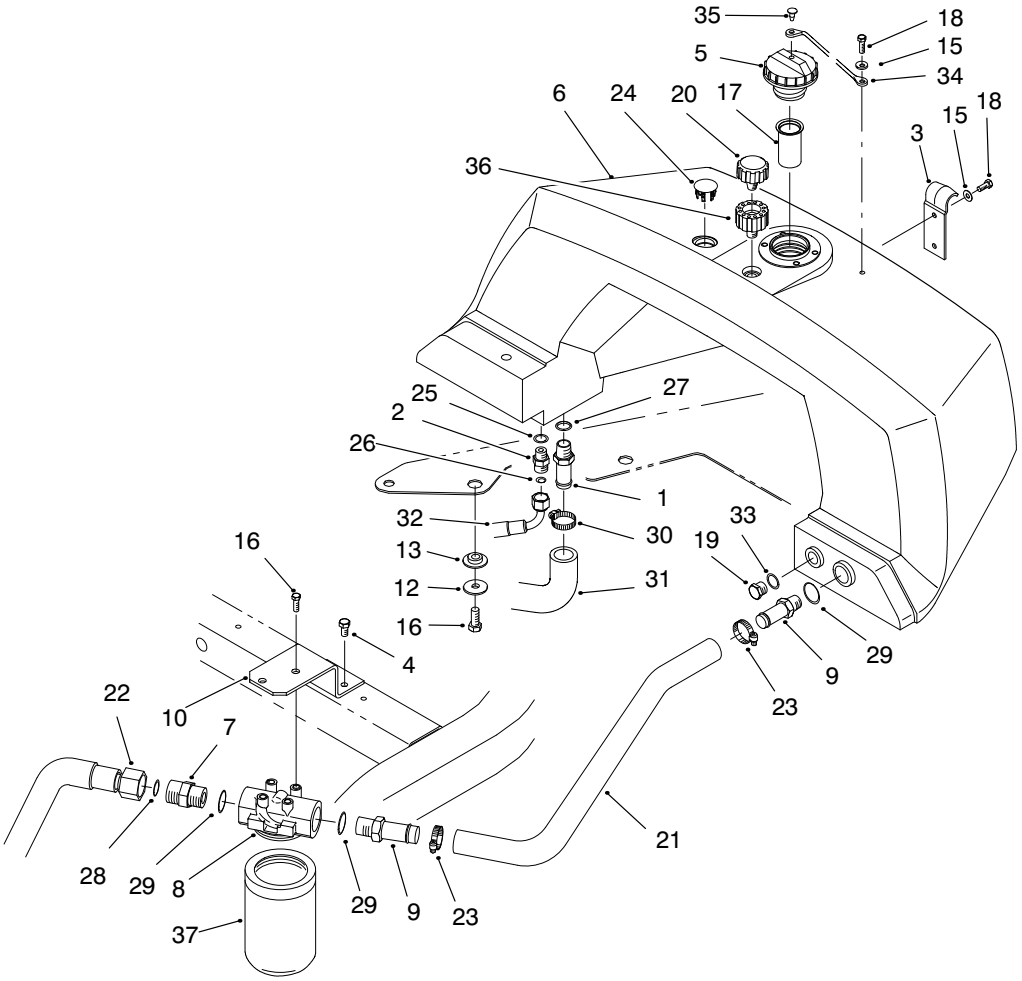


T−2271−2

FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93−3102	Fuel Cap − Diesel	1
2	93−2225	Tank − Fuel	1
3	240−11	Grommet	3
4	93−4637	Washer − Flat	3
5	93−2260	Hose − Expansion Tank	1
6	32144−14	Screw − HH	3
9	56−2520	Fitting − Fuel Shut Off	1
10	2412−36	Clamp − Hose	4
11	93−2299	Fitting − Fuel	1
12	93−2230	Hose − Fuel	1
13	94−1364	Plate	1
14	3256−23	Washer − Flat	2

Ref. No.	Part No.	Description	No. Used
15	33114−016	Screw − HH	2
16	33115−020	Screw − HH	3
17	94−1348	Hose − Tank	1
18	94−4353	Hose − Fuel	1
19	93−2048	Cap − Overflow Tank	1
21	93−2049	Tank − Overflow	1
22	2412−108	Clamp − Hose	1
23	93−2298	Hose − Fuel	1
24	56−2230	Hose − Fuel	1
25	237−124	Grommet	1
26	2412−108	Clamp − Hose	1
27	92−2379	Clamp − Hose	1



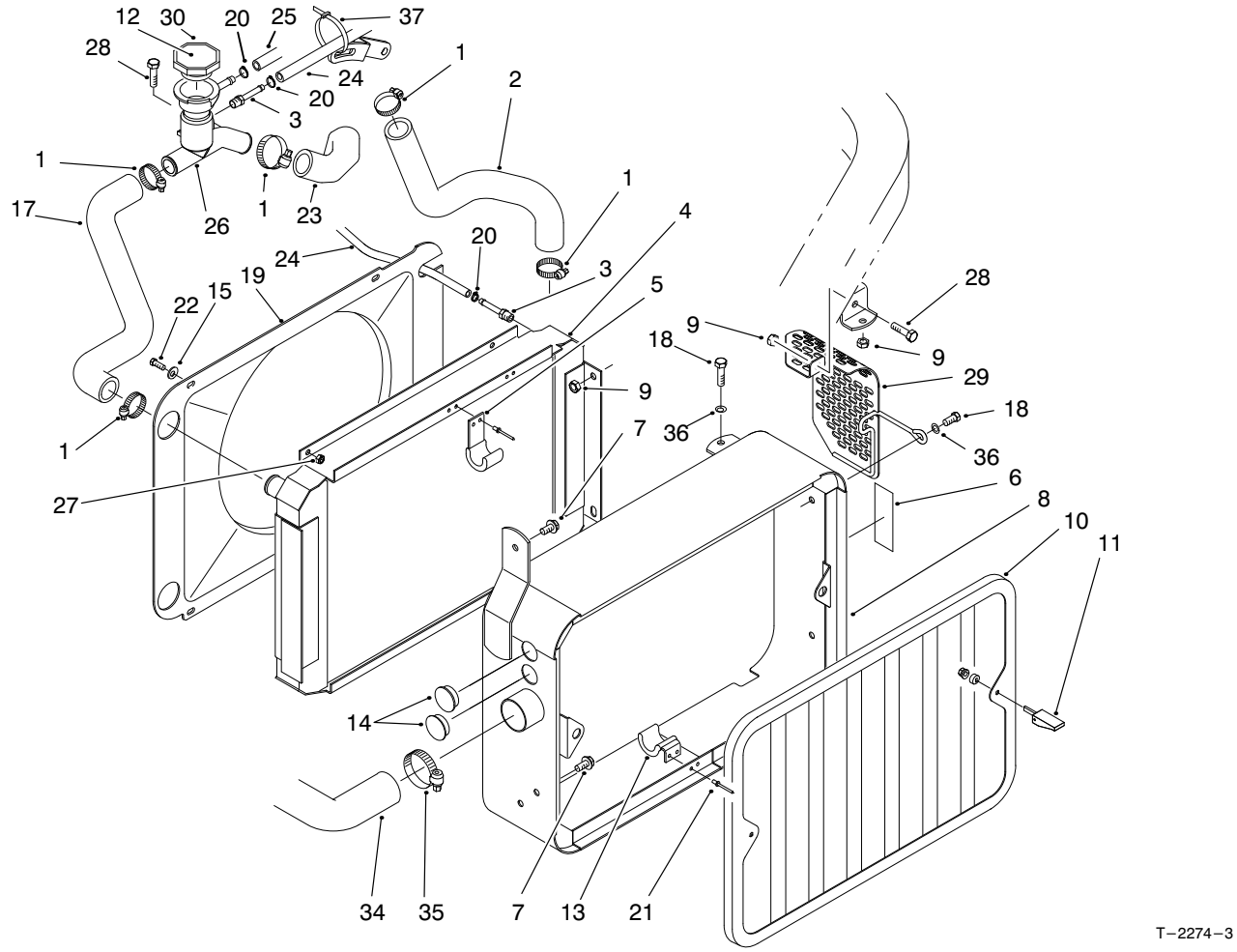
T−2272−4

HYDRAULIC RESERVOIR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	354−78	Fitting − Hydraulic (Incl. Ref. 27)	1
2	340−2	Fitting − Hydraulic (Incl. Ref. 25 &26)	1
3	93−2438	Clamp − Fuel Tank	1
4	32144−14	Screw − HH	2
5	93−7160	Cap − Hydraulic Oil (Incl. Ref. #34−35)	1
6	93−2235	Tank − Hydraulic	1
7	340−9	Fitting − Hydraulic (Incl. Ref. 28 & 29)	1
8	93−2242	Filter Assembly − Oil (Incl. Ref. #37)	1
9	354−73	Fitting − Hydraulic, Barb (Incl. Ref. #29)	2
10	93−2236	Mount − Oil Filter	1
12	93−4637	Washer − Flat	4
13	240−11	Grommet	4
15	3256−1	Washer − Flat	3
16	33115−020	Screw − HH	6
17	93−2275	Screen − Filler	1

Ref. No.	Part No.	Description	No. Used
18	33113−016	Screw − HH	3
19	353−988	Plug (Incl. Ref. 33)	1
20	68−6150	Breather − Air	1
21	94−9607	Hose − Formed	1
22	94−4518	Hose − Assembly	1
23	2412−129	Clamp − Hose	2
24	93−2437	Plug − Serrated	1
25	237−42	O−Ring	1
26	237−22	O−Ring	1
27	237−146	O−Ring	1
28	237−58	O−Ring	1
29	237−81	O−Ring	3
30	2412−34	Clamp − Hose	1
31	93−2068	Hose − Pump Inlet	1
32	94−4539	Hose Assembly	1
33	237−79	O−Ring	1
†34		Tether	1
†35		Plug	1
36	92−8020	Adapter − Breather	1
37	75−1310	Element − Filter	1

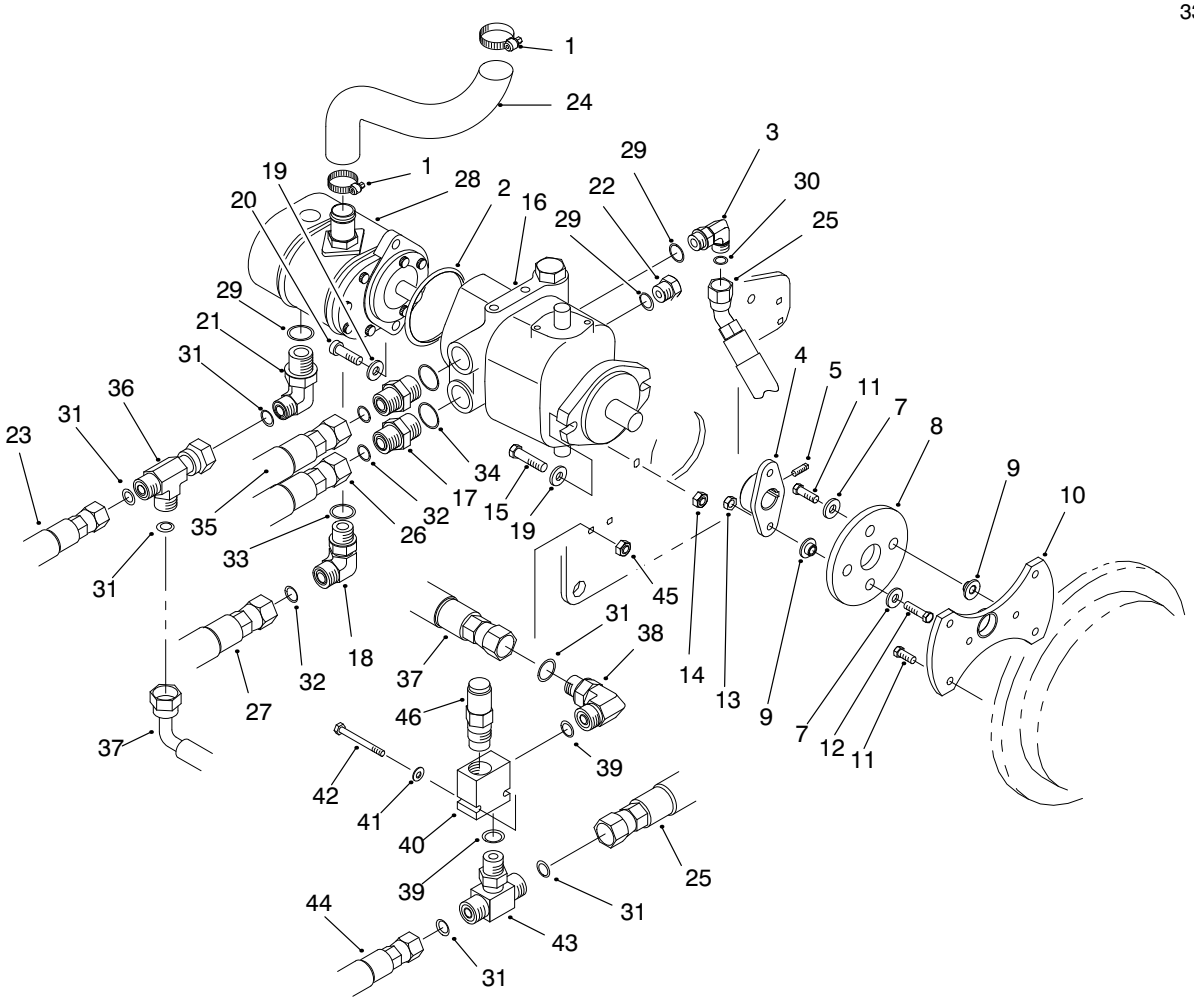
†Not serviced separately



RADIATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412−34	Clamp − Hose	5
2	93−2031	Hose − Radiator	1
3	304−73	Fitting − Hydraulic Barb	2
4	93−2300	Radiator	1
5	93−2425	Bracket − Cooler Upper	2
6	93−6681	Decal − Warning	1
7	32144−14	Screw − HH	2
8	94−9623	Radiator Support Asm (Incl. Ref. #6)	1
9	33024−00	Nut − Lock	6
10	93−2050	Screen	1
11	74−5950	Latch − Swell	2
12	93−7840	Decal − Radiator Cap	1
13	93−2424	Bracket − Cooler Lower	2
14	94−4528	Plug	2
15	3256−22	Washer − Flat	4
17	93−2018	Hose − Radiator	1

Ref. No.	Part No.	Description	No. Used
18	33114−020	Screw − HH	5
19	93−2320	Shroud − Fan	1
20	2412−108	Clamp − Hose	3
21	3269−15	Rivet − Pop	8
22	33113−016	Screw − HH	4
23	93−2016	Hose − Radiator	1
24	94−1349	Hose − Breather	1
25	93−2260	Hose − Expansion Tank	1
26	94−3473	Elbow Assembly − Radiator	1
27	33023−00	Nut − Lock	4
28	33114−016	Screw − HH	3
29	94−3480	Guard − Alternator	1
30	66−3240	Cap − Radiator	1
34	93−2035	Hose − Air Cleaner	1
35	2412−92	Clamp − Hose	1
36	3256−23	Washer − Flat	2
37	3290−378	Tie − Cable	1

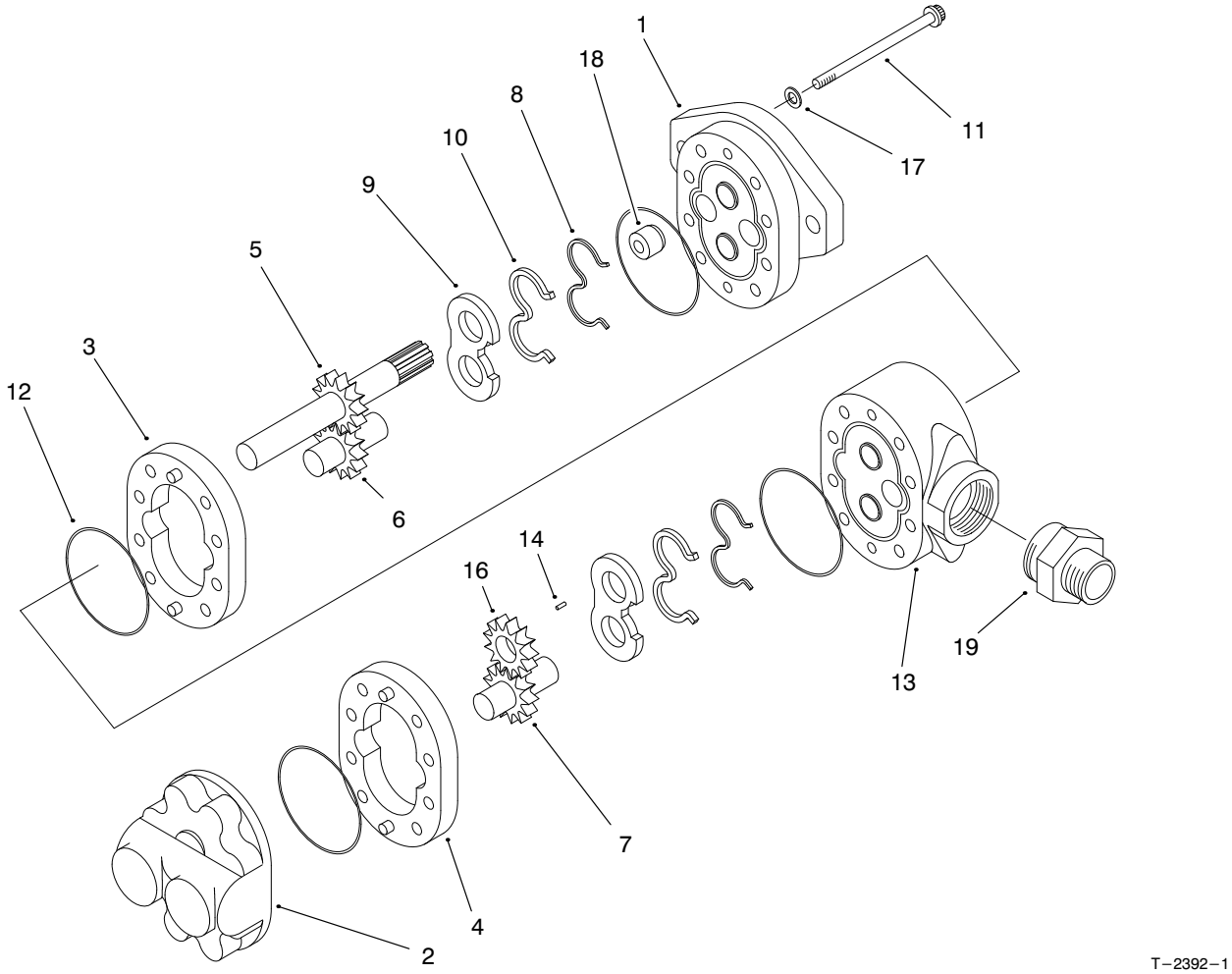


T−2270−5

HYDRAULIC PUMP & HYDROSTAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412−34	Clamp − Hose	2
2	60−3520	O−Ring	1
3	340−18	Fitting − Hydraulic 90˚ (Incl. Ref. #29 & 31)	1
4	93−2589	Hub − Pump	1
5	3241−6	Screw − SQH	2
7	3256−3	Washer − Flat	4
8	80−8650	Coupling − Rubber	1
9	27−6600	Spacer − Coupling	4
10	93−2170	Pump Adapter	1
11	33114−020	Screw − HH	6
12	33114−030	Screw − HH	2
13	33024−00	Nut − Lock	2
14	33025−00	Nut − Lock	2
15	33115−040	Screw − HH	2
16	98−4609	Hydrostat	1
17	340−8	Fitting − Hydraulic (Incl. Ref. #32 & 34)	2
18	340−17	Fitting − Hydraulic 90˚ (Incl. Ref. #32 & 33)	1
19	3256−24	Washer − Flat	4
20	3274−1	Screw − HSH	2
21	340−18	Fitting − Hydraulic 90˚ (Incl. Ref. #29 & 31)	1
22	353−988	Plug (Incl. Ref. #29)	1

Ref. No.	Part No.	Description	No. Used
23	93−2252	Hose Assembly	1
24	99−1905	Hose − Pump Inlet	1
25	94−6384	Hose Assembly	1
26	94−5355	Hose Assembly	1
27	94−1332	Hose Assembly	1
28	95−0533	Gear Pump	1
29	237−79	O−Ring	3
31	237−22	O−Ring	7
32	237−65	O−Ring	3
33	237−80	O−Ring	1
34	237−81	O−Ring	2
35	94−5356	Hose Assembly	1
36	340−115	Fitting − Tee	1
37	98−4606	Hose Assembly	1
38	340−77	Fitting − Hydraulic 90˚	1
39	237−42	O−Ring	2
40	94−6385	Valve − Relief (Incl. Ref. #46)	1
41	3256−22	Washer − Flat	2
42	33113−050	Screw − HH	2
43	340−94	Fitting − Tee	1
44	94−6383	Hose Assembly	1
45	33023−00	Nut − Lock	2
46	94−6386	Cartridge − Relief Valve	1



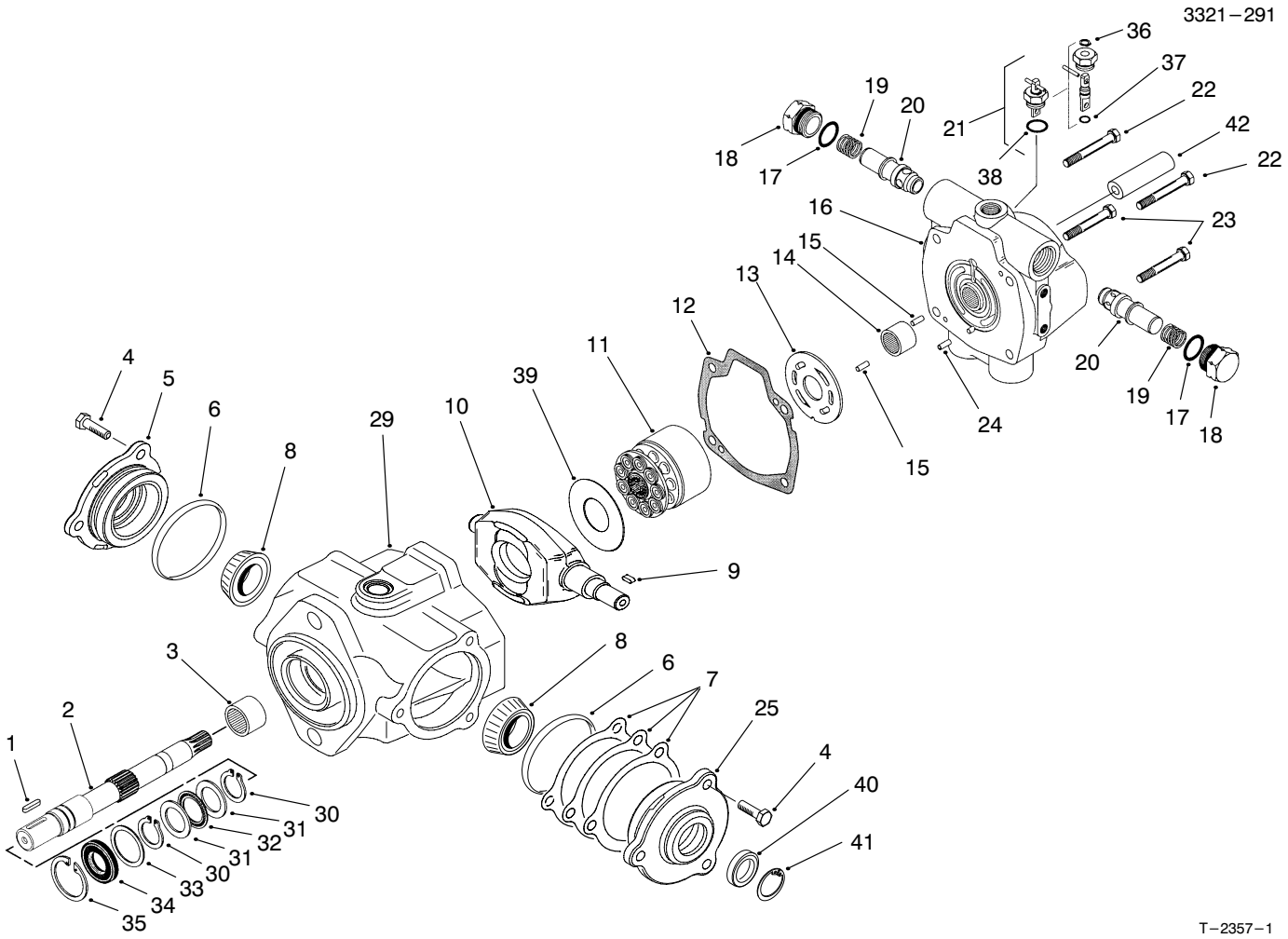
T−2392−1

GEAR PUMP ASSEMBLY NO. 95−0533

Ref. No.	Part No.	Description	No. Used
†1		Plate − Front	1
†2		Plate − Back	1
†3		Body	1
†4		Body	1
†5		Gear − Drive	1
†6		Gear − Idler	1
†7		Gear − Idler	1
†8		Gasket − Backup	2
†9		Plate − Wear	2
†10		Seal − Pressure	2
11	94−8158	Screw − Cap	8

Ref. No.	Part No.	Description	No. Used
†12		O−Ring	4
†13		Plate − Adapter	1
†14		Key	1
†15		Tube	1
†16		Gear	1
17	94−8160	Washer	4
18	94−3011	Plug	1
†19		Fitting − Suction	1
*	94−8161	Kit − Seal Repair (Incl. Ref. #8,10, 12 & 17−18)	1

†Not Serviced Separately
*Not Illustrated



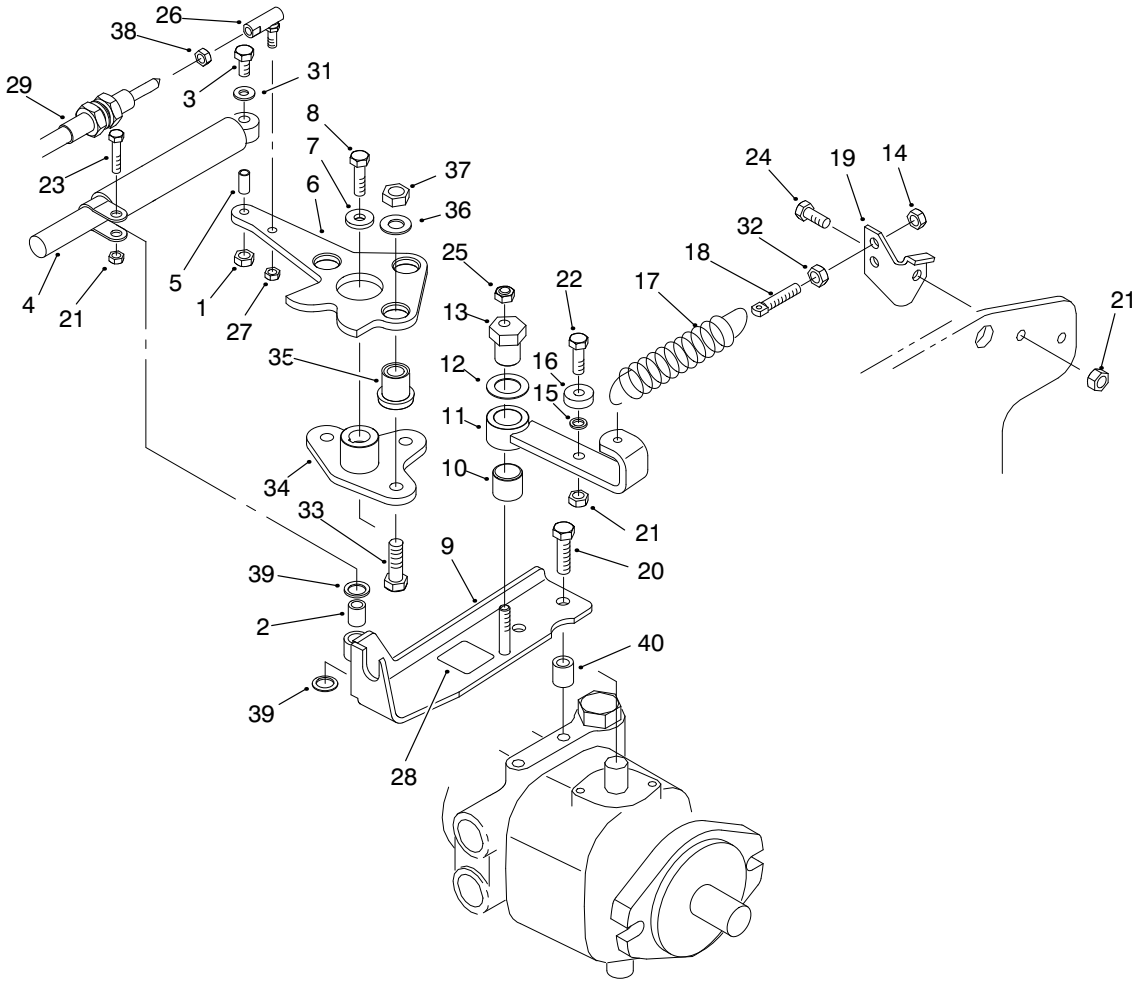
HYDROSTAT ASSEMBLY NO. 98−4609

Ref. No.	Part No.	Description	No. Used
1	94−3645	Key	1
2	94−6359	Shaft − Drive	1
3	94−6363	Bearing	1
4	98−4640	Screw − Cap	6
5	98−4633	Cover Plate Assembly	1
†6		Seal	2
7	98−4642	Shim	A/R
8	98−4639	Bearing − Cone	2
9	94−3646	Key	1
10	98−4637	Plate − Cam	1
11	76−6070	Rotating Kit Assembly	1
12	33−4930	Gasket	1
13	94−6360	Plate − Valve	1
14	94−6368	Bearing	1
15	76−6150	Pin − Dowel	2
16	98−4641	Back Plate Assembly (Incl. Ref. #14 & 24)	1
†17		O−Ring	4
18	70−1240	Plug Assembly (Incl. Ref. #17)	2
19	76−6200	Spring	2
20	94−3644	Seat	2
21	94−3650	Dump Valve Assembly	1

Ref. No.	Part No.	Description	No. Used
22	76−6170	Screw − Cap	2
23	76−6160	Screw − Cap	2
†24		Pin − Roll	1
25	98−4634	Cover Plate Assembly	1
29	98−4638	Housing Assembly (Incl. Ref. #3)	1
30	32151−29	Ring − Retaining	2
31	252−71	Race − Bearing	2
32	252−66	Bearing − Thrust	1
33	33−3720	Washer	1
34	42−2720	Seal − Shaft	1
35	32151−13	Ring − Retaining	1
†36		Ring − Retaining	1
†37		O−Ring	1
†38		O−Ring	1
39	98−4635	Insert − Camplate	1
†40		Seal − Shaft	1
†41		Ring − Retaining	1
42	74−9040	Coupler	1
*	98−4636	Seal Repair Kit (Incl. Ref. #6, 12, 17, 30, 34−38 & 40−41)	1

*Not Illustrated
†Not Serviced Separately

3321−291

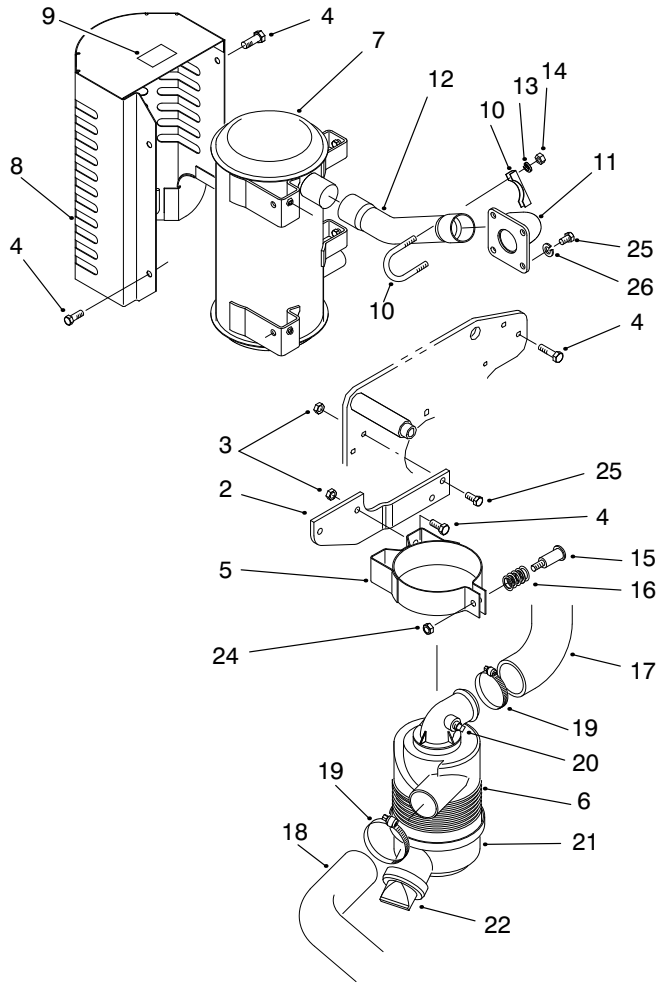


T−2228−3

NEUTRAL SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	33023−00	Nut − Lock	1
2	94−8197	Tube − Pivot	1
3	33113−030	Screw − HH	1
4	76−8870	Lever Damper Assembly	1
5	94−1312	Spacer − Pivot	1
6	94−3488	Lever − Pump	1
7	88−7200	Washer − Pivot	1
8	3210−6	Screw − HH	1
9	94−9603	Cable Support	1
10	94−9609	Bushing − Straight	1
11	94−4527	Neutral Arm	1
12	3−6498	Washer − Thrust	1
13	93−2111	Stud − Traction	1
14	3296−4	Nut − Lock Elastic	1
15	75−5470	Spacer	1
16	251−259	Bearing − Ball	1
17	94−1369	Spring − Ext.	1
18	18−6380	Pin	1
19	98−4607	Bracket − Spring	1
20	323−8	Screw − HH	2

Ref. No.	Part No.	Description	No. Used
21	33024−00	Nut − Lock	3
22	33114−025	Screw − HH	1
23	33114−030	Screw − HH	1
24	33114−020	Screw − HH	1
25	3296−29	Nut −Hex	1
26	2411−34	Ball Joint	1
27	3296−13	Nut − Lock	1
28	93−9051	Decal − Eccentric Bolt	1
29	93−2099	Cable − Traction Control	1
31	3256−22	Washer − Flat	1
32	3220−2	Nut − Jam	1
33	33115−035	Screw − HH	3
34	94−3486	Plate	1
35	63−9750	Mount − Rubber	3
36	2844	Washer	3
37	33025−00	Nut − Lock	3
38	3220−1	Nut − Jam	1
39	94−8196	Washer − Nylon	2
40	92−5723	Spacer	2



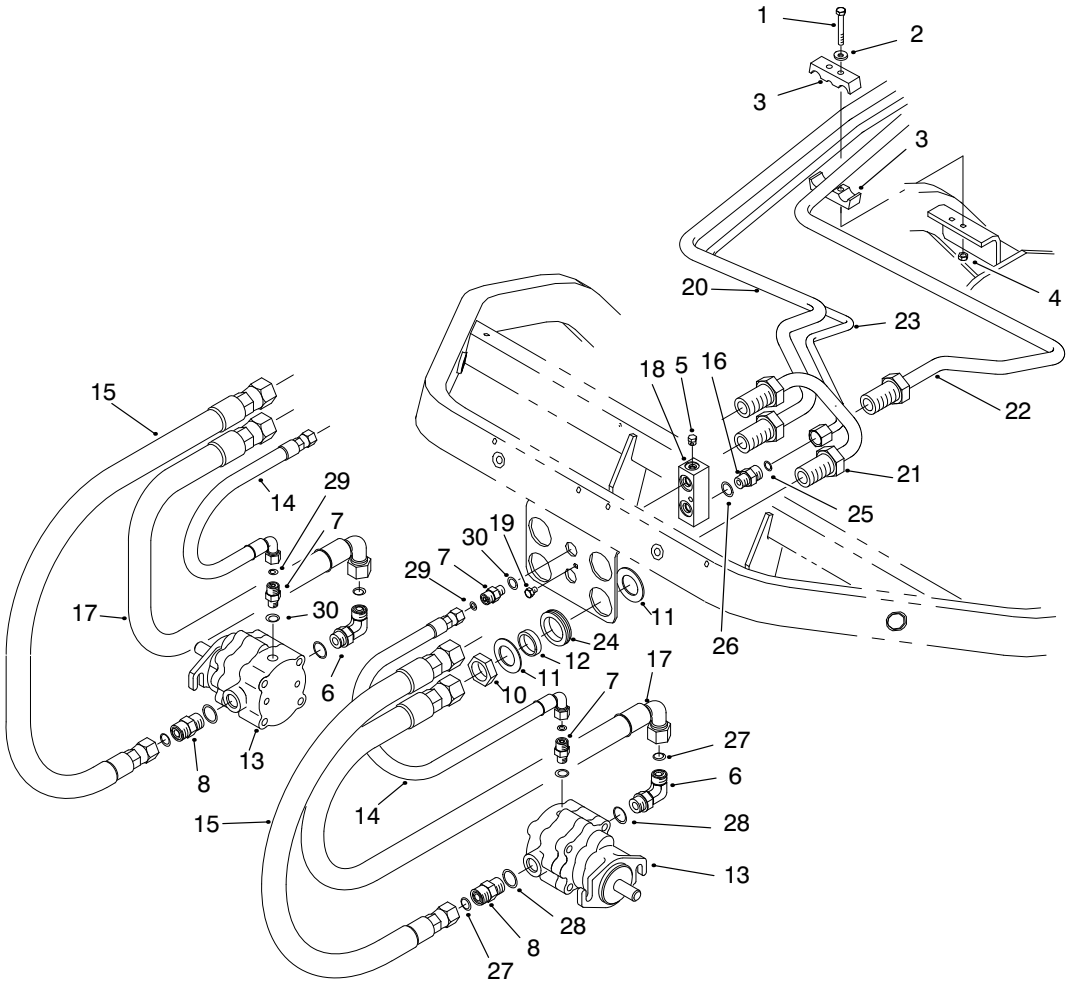
T−2291−3

MUFFLER & AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	94−5359	Bracket − Air Cleaner	1
3	33024−00	Nut − Lock	4
4	33114−020	Screw − HH	8
5	93−2191	Mounting Band Assembly (Incl. Ref. #24−26)	1
6	93−2190	Air Cleaner Assembly (Incl. Ref. #20−23)	1
7	94−8153	Muffler	1
*	94−8157	Arrester − Spark (Optional)	1
8	94−9629	Muffler Shield Asm (Incl. Ref. #9)	1
9	93−8069	Decal − Hot Surface	1
10	2112−9	Clamp (Incl. Ref. #13 & 14)	2
11	93−2185	Exhaust Bracket	1

Ref. No.	Part No.	Description	No. Used
12	93−2183	Pipe − Exhaust	1
13	3253−4	Washer − Lock	4
14	3217−6	Nut − Hex.	4
15	94−3653	Bolt	1
16	94−3654	Spring − Compression	1
17	93−2423	Hose − Air Cleaner	1
18	93−2035	Hose − Air Cleaner	1
19	2412−92	Clamp − Hose	2
20	285−17	Plug	1
21	94−3652	Cover Assembly	1
22	94−1414	Valve	1
*23	93−2195	Element − Air Cleaner	1
24	48−9510	Nut − Lock	1
25	33114−025	Screw − HH	6
26	3253−4	Washer − Spring Lock	4

*Not Illustrated

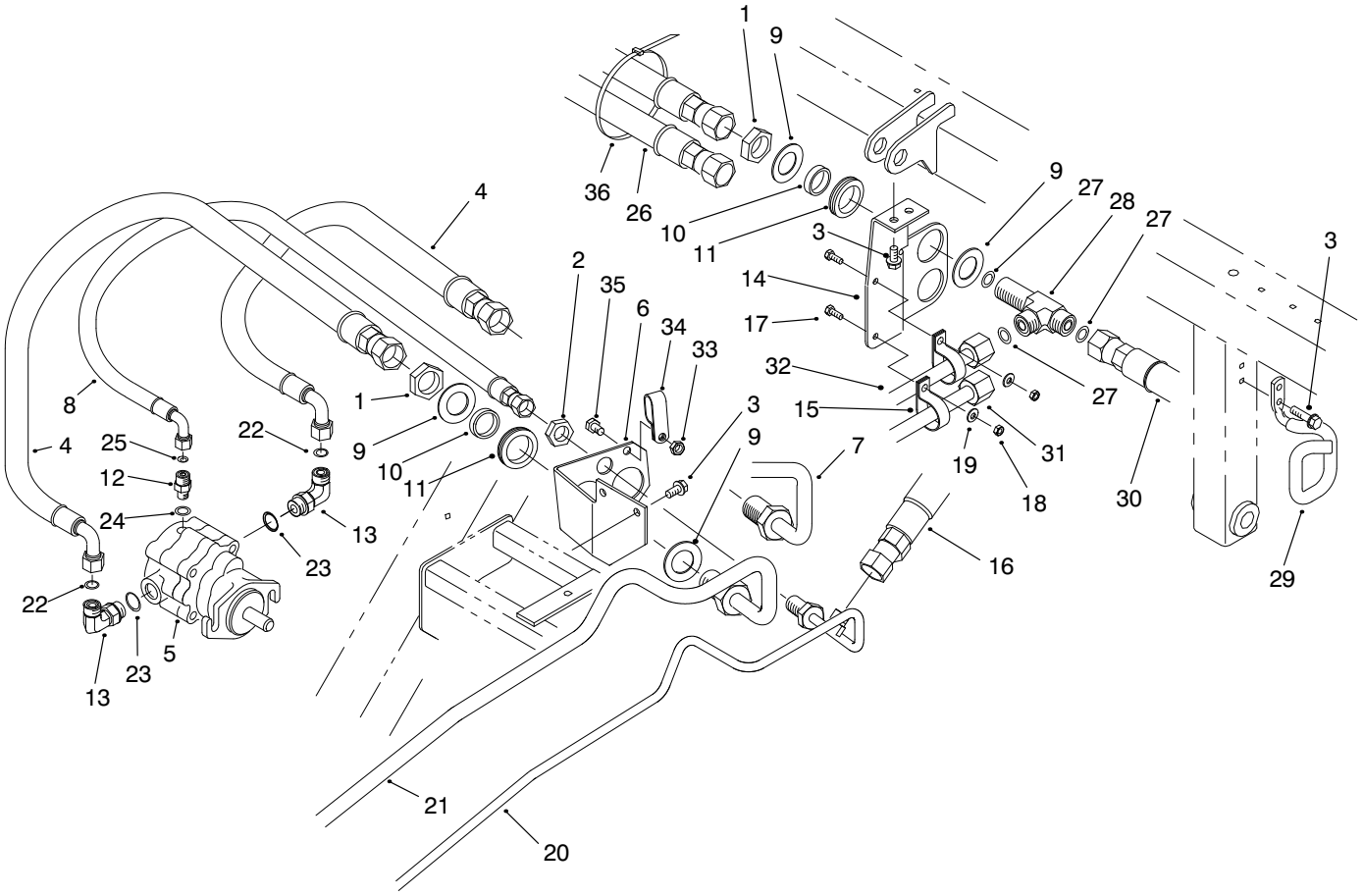


T−2240−1

REEL MOTOR INSTALLATION ASSEMBLY − RH & LH

Ref. No.	Part No.	Description	No. Used
1	33113−050	Screw − HH	2
2	3256−1	Washer − Flat	2
3	93−2509	Clamp − Tube	2
4	33023−00	Nut − Lock NI	2
5	353−991	Plug	1
6	340−98	Fitting − Hydraulic 90˚ (Incl. Ref. #27−28)	2
7	340−92	Fitting − Hydraulic (Incl. Ref. #29−30)	4
8	340−4	Fitting − Hydraulic (Incl. Ref. #27−28)	2
10	340−74	Nut − Bulkhead	4
11	69−9010	Washer	8
12	69−9000	Spacer	4
13	93−1375	Reel Motor	2
14	93−2264	Hose Assembly	2
15	95−2908	Hose Assembly	2

Ref. No.	Part No.	Description	No. Used
16	340−2	Fitting − Hydraulic (Incl. Ref. #25−26)	1
17	95−2909	Hose Assembly	2
18	93−2238	T−Block (Incl. Ref. #5)	1
19	33113−008	Screw − HH	1
20	94−1318	Tube − Hydraulic	1
21	94−1319	Tube − Hydraulic	1
22	94−1320	Tube − Hydraulic	1
23	94−1321	Tube − Hydraulic	1
24	240−3	Grommet − Rubber	4
25	237−22	O−Ring	1
26	237−42	O−Ring	1
27	237−30	O−Ring	4
28	237−79	O−Ring	4
29	237−21	O−Ring	4
30	237−78	O−Ring	4

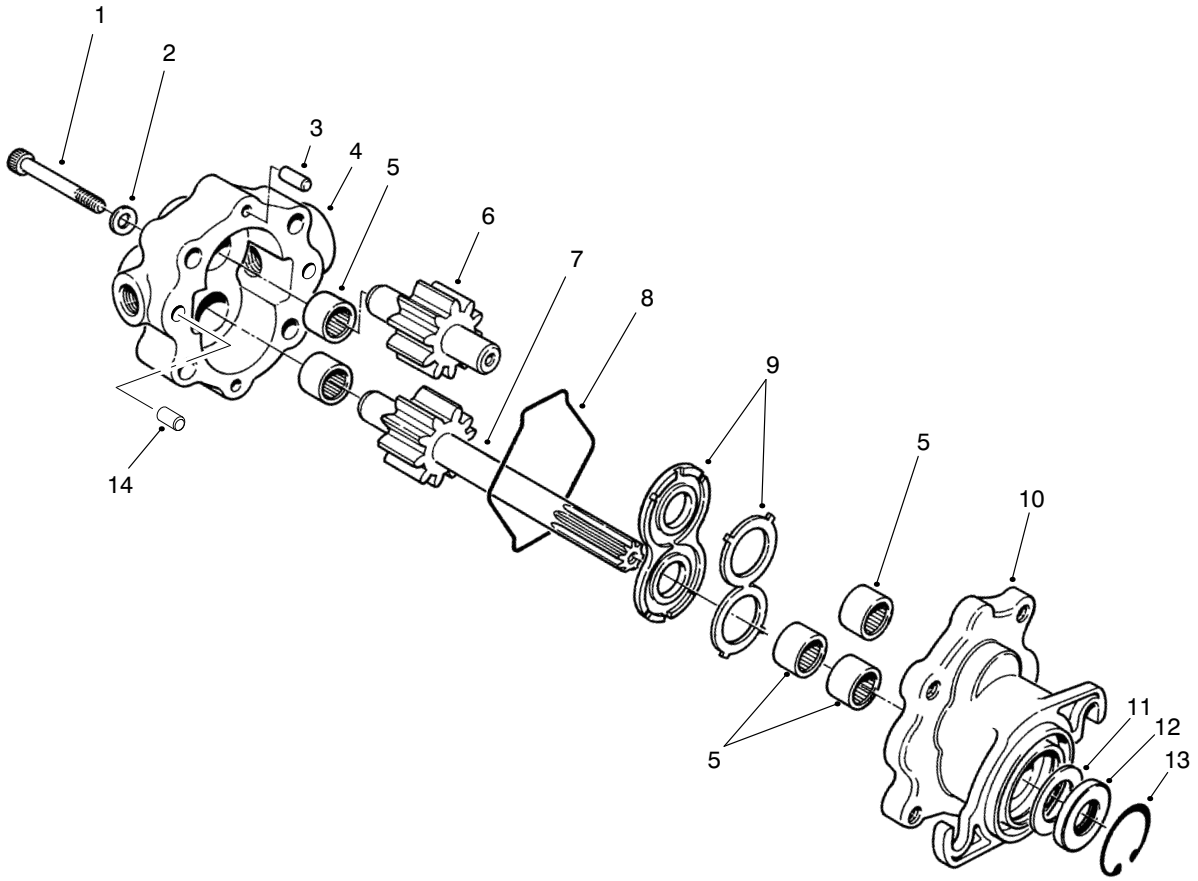


T−2241−2

REEL MOTOR INSTALLATION ASSEMBLY − REAR

Ref. No.	Part No.	Description	No. Used
1	340−74	Nut − Bulkhead	4
2	340−70	Nut − Bulkhead	1
3	32144−14	Screw − HH	6
4	95−2907	Hose Assembly	2
5	93−1375	Reel Motor	1
6	94−1316	Bracket − Bulkhead	1
7	94−1317	Tube − Hydraulic	1
8	94−1328	Hose Assembly	1
9	69−9010	Washer	8
10	69−9000	Spacer	4
11	240−3	Grommet − Rubber	4
12	340−92	Fitting − Hydraulic (Incl. Ref. #24−25)	1
13	340−98	Fitting − Hydraulic 90° (Incl. Ref. #22−23)	2
14	94−8155	Bracket − Bulkhead	1
15	2412−134	Clamp − R	2
16	94−4539	Hose Assembly	1
17	33113−020	Screw − HH	2
18	33023−016	Nut − Lock NI	2

Ref. No.	Part No.	Description	No. Used
19	3256−22	Washer − Flat	2
20	94−1321	Tube − Hydraulic	1
21	94−1318	Tube − Hydraulic	1
22	237−30	O−Ring	2
23	237−79	O−Ring	2
24	237−78	O−Ring	1
25	237−21	O−Ring	1
26	94−5357	Hose Assembly	2
27	237−65	O−Ring	3
28	94−5350	Fitting − Bulkhead Tee (Incl. Ref. #27)	2
29	94−5352	Retainer − Hose	1
30	94−5358	Hose Assembly	2
31	94−5353	Tube − Hydraulic	1
32	94−5354	Tube − Hydraulic	1
33	33024−00	Nut − Lock	1
34	2412−137	Clamp − Tube, Double	1
35	33114−020	Screw − HH	1
36	3290−378	Tie − Cable	1



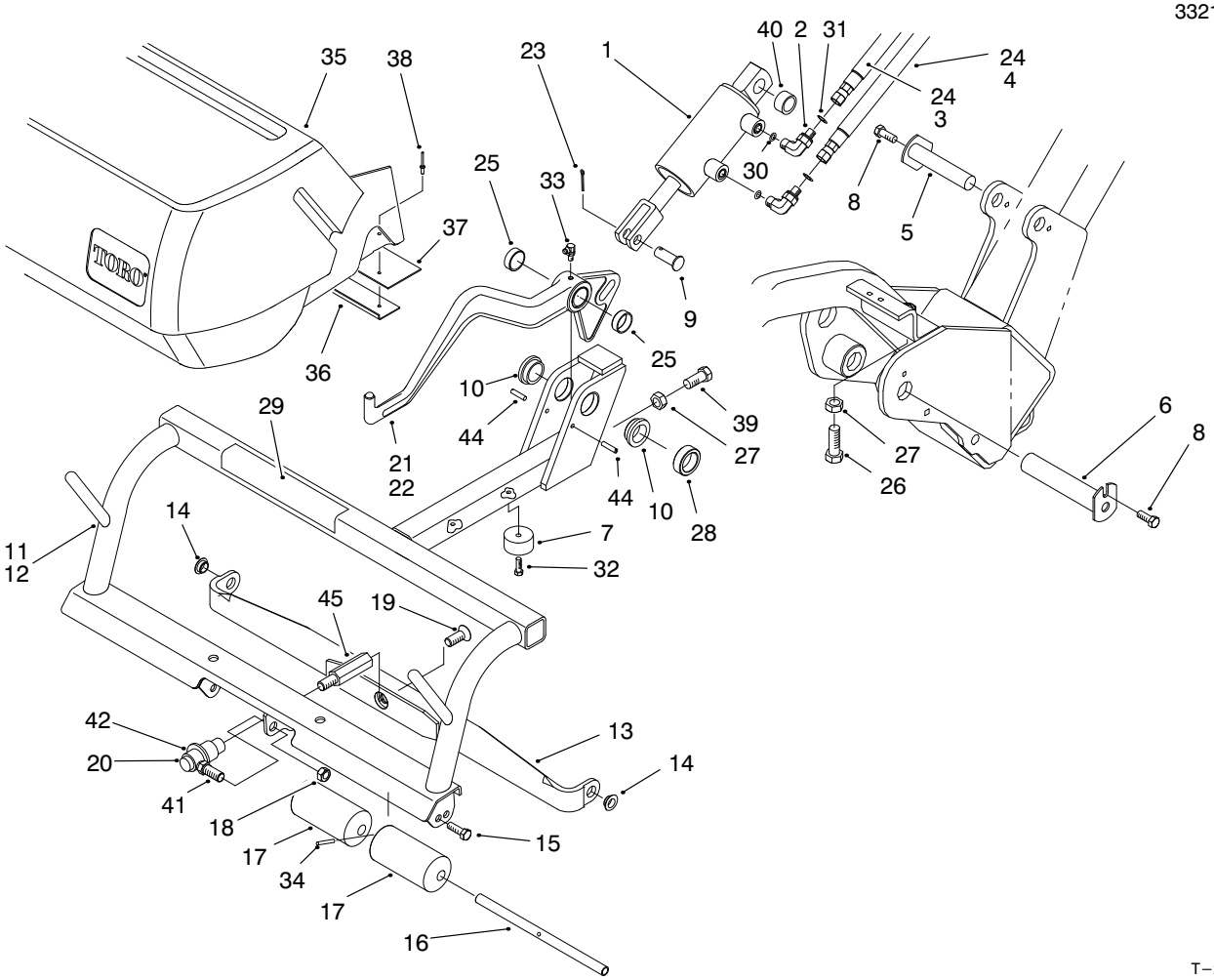
T−1872−2

REEL MOTOR ASSEMBLY NO. 93−1375

Ref. No.	Part No.	Description	No. Used
1	354−50	Screw−Hex Socket Hd.	4
2	354−51	Washer	4
3	353−599	Pin−Dowel	2
4	93−3614	Assembly − Cover (Incl. Ref. #5)	1
†5		Bearing−Needle	5
6	93−3616	Assembly − Idler Gear	1
7	93−3615	Assembly − Drive Shaft	1
8	354−46	Ring−Seal	1

Ref. No.	Part No.	Description	No. Used
9	74−3810	Assembly − Load Plate	1
10	92−8795	Assembly − Body (Incl. Ref. #5)	1
†11		Spacer	1
†12		Seal−Shaft	1
13	32151−41	Ring − Retaining	1
14	92−8796	Pin − Dowel	2
*	92−8863	Repair Kit (Incl. Ref. #8, & 11−13)	1

*Not Illustrated
†Not Serviced Separately



T−2230−6

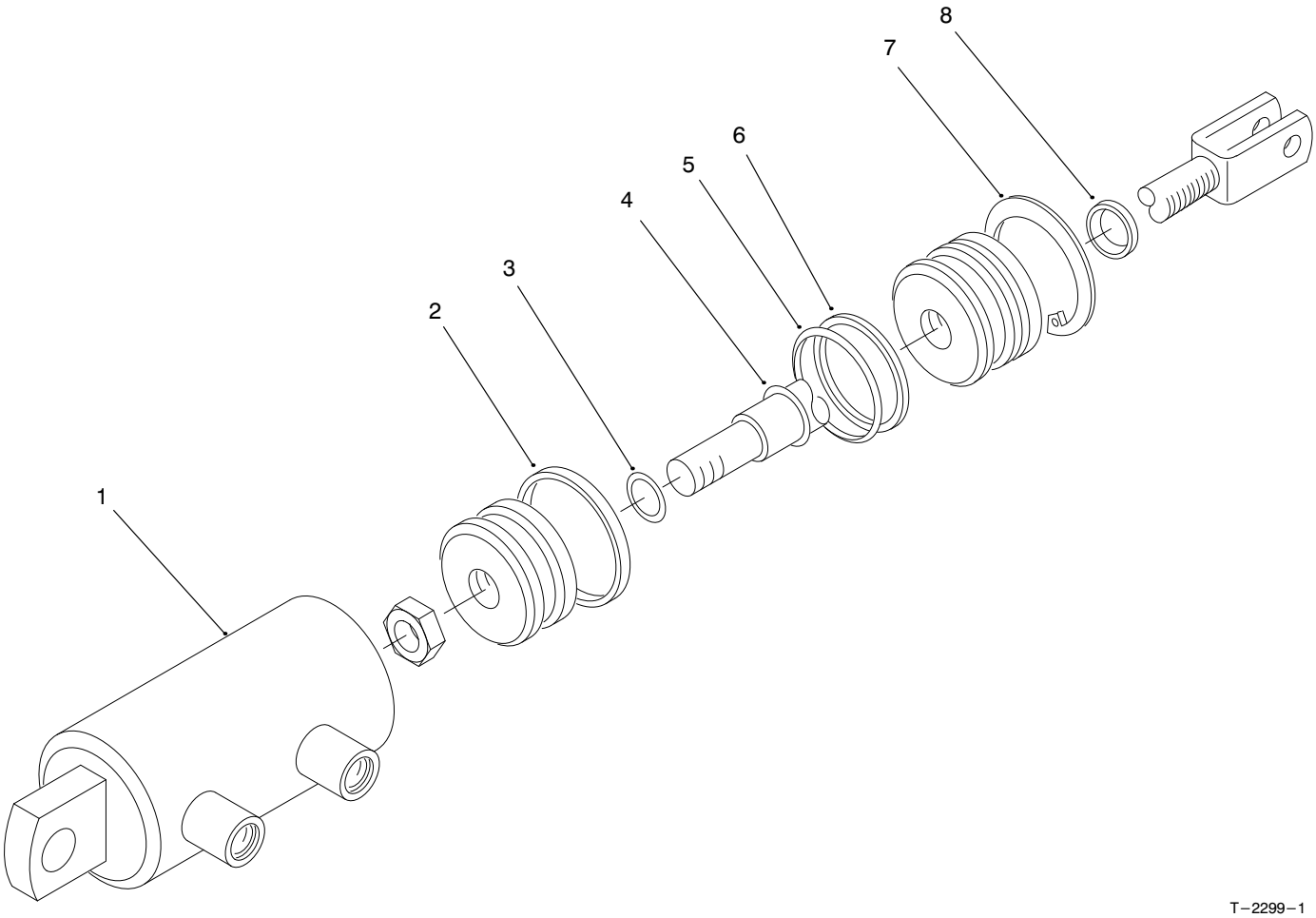
PULL FRAME ASSEMBLY − RH & LH

Ref. No.	Part No.	Description	No. Used
1	98−4605	Hydraulic Cylinder Assembly	2
2	340−132	Fitting − Hydraulic 90˚ (Incl. Ref. #30−31)	4
3	93−2255	Hose Assembly	1
4	93−2256	Hose Assembly	1
5	10−6060	Pin − Ram Pivot	2
6	94−8198	Pin	2
7	94−4548	Bumper	2
8	32144−14	Screw − HH	4
9	283−8	Pin − Clevis	2
10	94−9610	Bushing − Flange	4
11	99−1455	Carrier − RH (Incl. Ref. #10 & 29)	1
12	99−1454	Carrier − LH (Incl. Ref. #10 & 29)	1
13	98−4624	Pull Arm	2
14	93−2368	Bushing − Flange	4
15	3211−2	Screw − HH	8
16	93−2363	Shaft − Roller	4
17	93−2362	Roller − Anti Scalp	8
18	3296−19	Nut − Lock	2
19	98−2178	Screw	2
20	94−9647	Ball Joint (Incl. Ref. #41 & 42)	2
21	98−2174	Lift Arm − RH	1
22	98−2176	Lift Arm − LH	1

Ref. No.	Part No.	Description	No. Used
23	3272−11	Pin − Cotter	2
24	93−2254	Hose Assembly	2
25	92−8995	Bushing − Straight	4
26	325−6	Screw − HH	2
27	3218−5	Nut − Jam	4
28	93−2384	Spacer − Carrier	2
29	93−8064	Decal − Warning	2
30	237−78	O−Ring	4
31	237−21	O−Ring	4
32	32144−44	Screw − HWH	2
33	302−60	Fitting − Grease 90˚	2
34	32121−6	Pin − Roll	4
35	98−2199	Grass Basket Assembly (Incl. Ref. #36−38)	2
36	95−2903	Angle − Basket Seal	2
37	93−2551	Seal − Basket	2
38	3290−382	Rivet − Pop	16
39	325−4	Screw − HH	2
40	74−3730	Spacer − Cylinder	2
41	94−9648	Ball Stud	2
42	98−2179	Shell & Housing Assembly	2
44	32121−26	Pin − Slotted	4
45	98−0632	Adapter − Pull Link	2
*	65−8320	Bar − Guage	1
*†	99−1456	Pad	3

* Not Illustrated.

†To be installed on cutting unit grass shields as required.



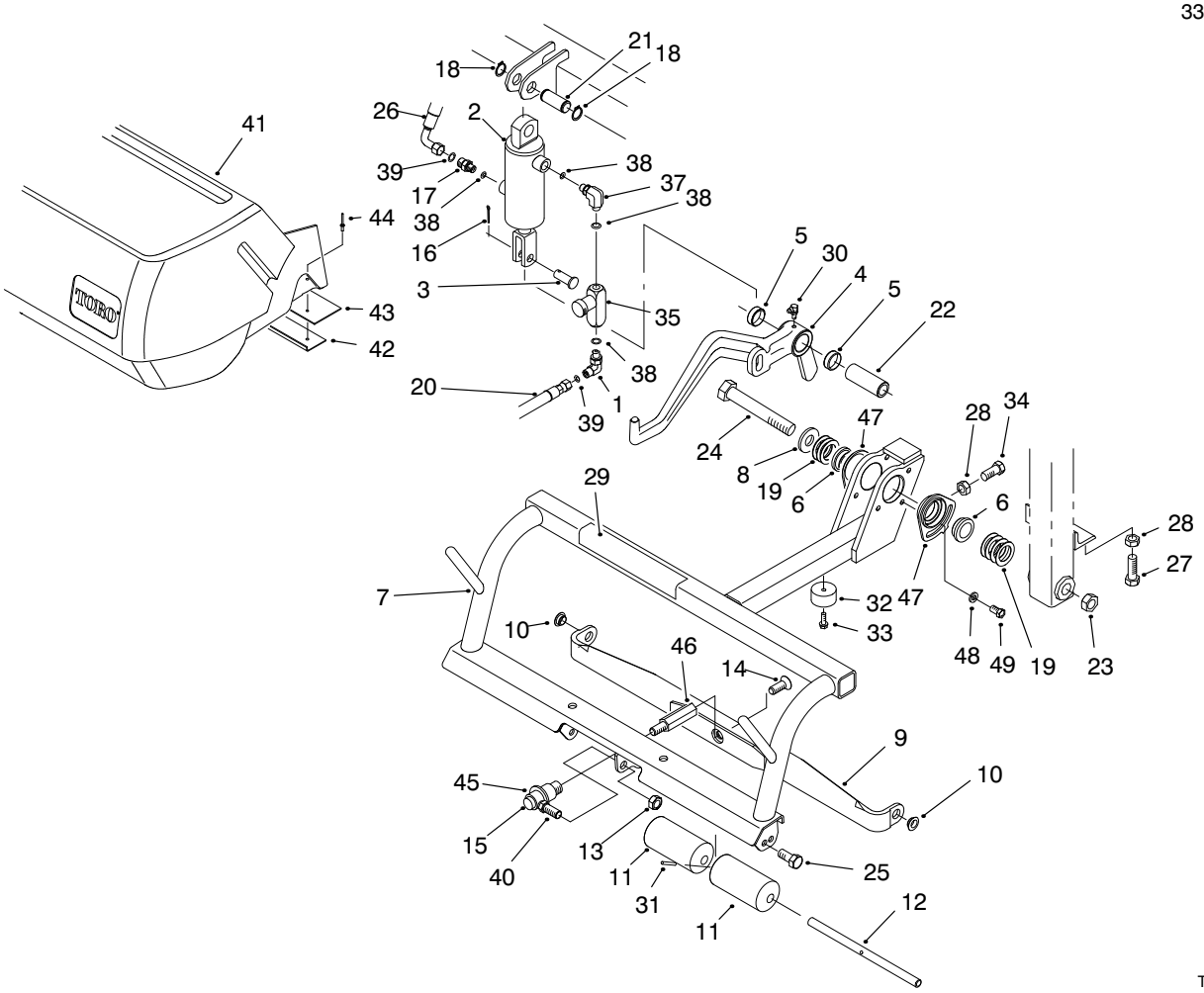
T−2299−1

HYDRAULIC CYLINDER NO. 98−4605

Ref. No.	Part No.	Description	No. Used
†1		Barrel	1
†2		Uniring	1
†3		O−Ring	1
†4		Seal − PDF	1
†5		O−Ring	1

Ref. No.	Part No.	Description	No. Used
†6		Washer − Back−Up	1
7	32120−8	Ring − Retaining	1
†8		Seal − Dust	1
*	86−5390	Kit − Seal, Repair (Incl. Ref. #2−6 & 8)	1

†Not Serviced Separately

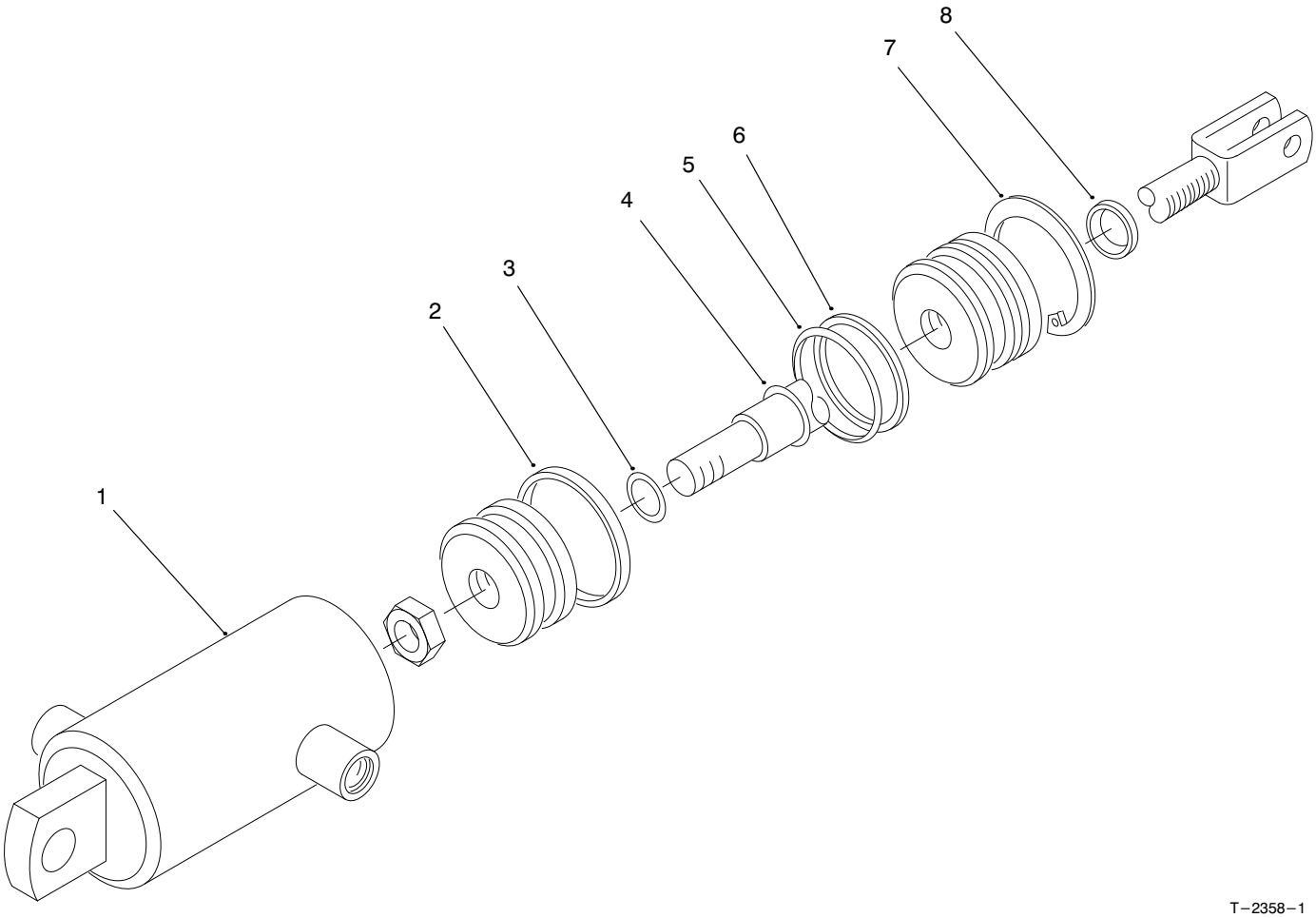


T−2231−7

PULL FRAME ASSEMBLY − REAR

Ref. No.	Part No.	Description	No. Used
1	340−132	Fitting − Hydraulic 90˚ (Incl. Ref. #38 & 39)	1
2	94−6357	Hydraulic Cylinder Assembly	1
3	283−8	Pin − Clevis	1
4	98−2172	Lift Arm − Center	1
5	92−8995	Bushing − Straight	2
6	98−2197	Bushing − Flange	2
7	99−1453	Center Carrier Asm (Incl. Ref. #29)	1
8	69−8940	Washer − Flat	1
9	98−4624	Pull Arm	1
10	93−2368	Bushing − Flange	2
11	93−2362	Roller − Anti Scalp	4
12	93−2363	Shaft − Roller	2
13	3296−19	Nut − Lock	1
14	98−2178	Screw − HH	1
15	94−9647	Ball Joint (Incl. Ref. #40 & 45)	1
16	3272−11	Pin − Cotter	1
17	95−1639	Fitting − Hydraulic (Incl. Ref. #38 & 39)	1
18	32120−72	Ring − Retaining, Ext.	2
19	63−2290	Washer − Thrust	9
20	93−2258	Hose Assembly	1
21	94−3452	Pin − Cylinder	1
22	94−8199	Tube − Pivot	1
23	3296−53	Nut − Hex	1

Ref. No.	Part No.	Description	No. Used
24	327−17	Screw − HH	1
25	3211−2	Screw − HH	4
26	94−3477	Hose Assembly	1
27	325−6	Screw − HH	1
28	3218−5	Nut − Jam	2
29	93−8064	Decal − Warning	1
30	302−60	Fitting − Grease 90˚	1
31	32121−6	Pin − Roll	2
32	94−4548	Bumper − Recessed	1
33	32144−44	Screw − HWH	1
34	325−4	Screw − HH	1
35	93−7489	Valve − Flow Control	1
37	95−2927	Fitting − Hydraulic 90˚ (Incl. Ref. #38)	1
38	237−78	O−Ring	4
39	237−21	O−Ring	2
40	94−9648	Ball Stud	1
41	98−2199	Grass Basket Assembly (Incl. Ref. #42−44)	1
42	95−2903	Angle − Basket Seal	1
43	93−2551	Seal − Basket	1
44	3290−382	Rivet − Pop	8
45	98−2179	Shell & Housing Assembly	1
46	98−0632	Adapter − Pull Link	1
47	98−4618	Bushing − Eccentric	2
48	3256−74	Washer − Flat	2
49	33114−016	Screw − Cap Hex. Hd.	2



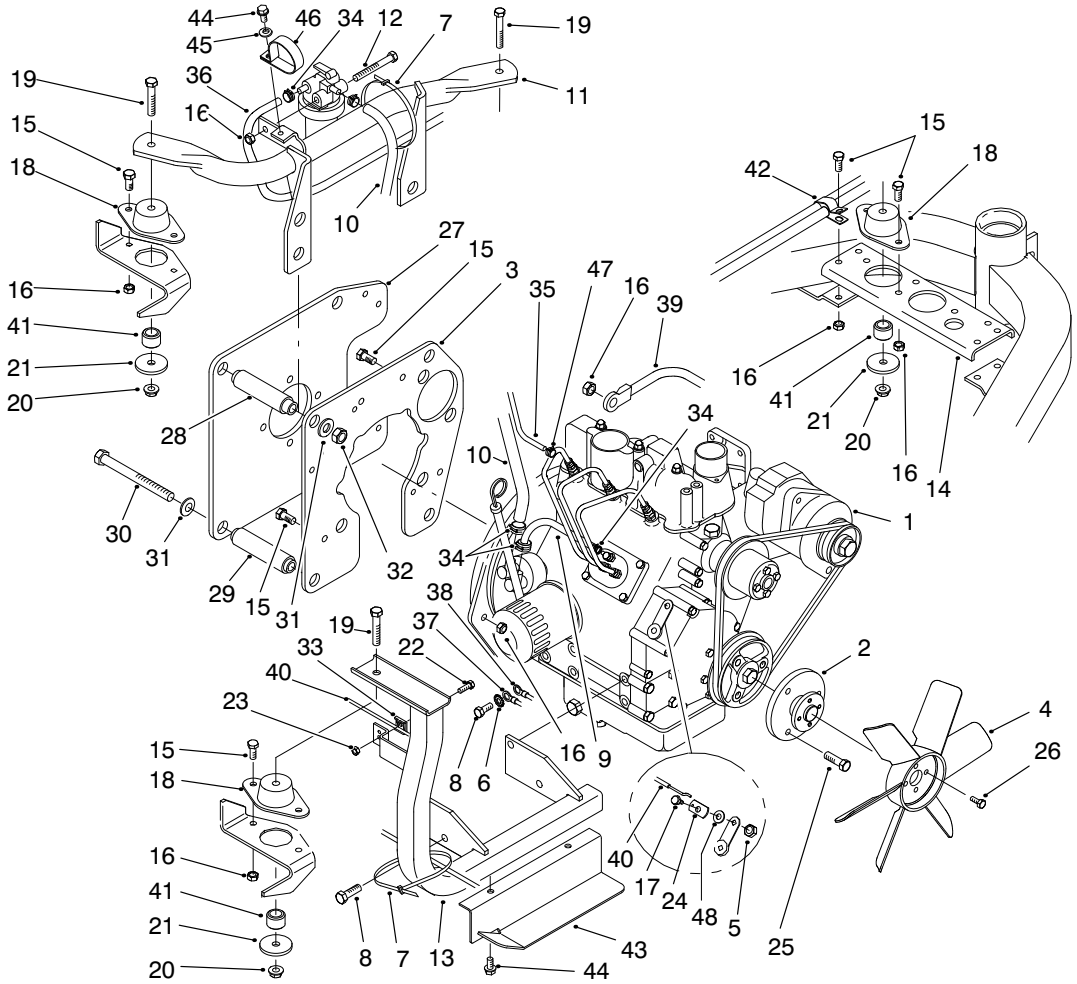
T−2358−1

HYDRAULIC CYLINDER NO. 94−6357

Ref. No.	Part No.	Description	No. Used
†1		Barrel	1
†2		Uniring	1
†3		O−Ring	1
†4		Seal − PDF	1
†5		O−Ring	1

Ref. No.	Part No.	Description	No. Used
†6		Washer − Back−Up	1
7	32120−8	Ring − Retaining	1
†8		Seal − Dust	1
*	86−5390	Kit − Seal, Repair (Incl. Ref. #2−6 & 8)	

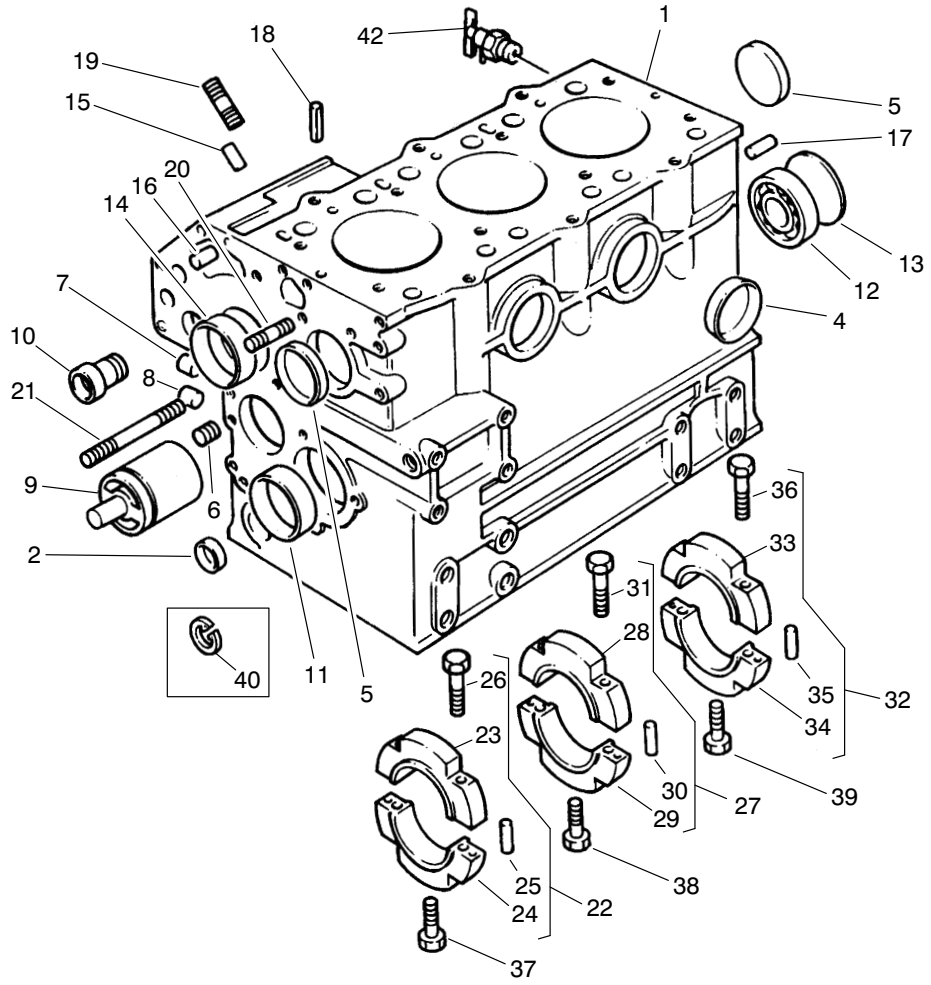
†Not Serviced Separately



ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95−0535	Engine − Perkins (Incl. Ref. #4)	1
2	93−2152	Adapter − Fan	1
3	93−2151	Plate − Backing	1
4		Fan	1
5	3296−27	Nut − Lock	1
6	3254−3	Washer − Lock	1
7	3290−378	Tie − Cable	2
8	33115−020	Screw − HH	5
9	93−2043	Hose − Fuel	1
10	93−2260	Hose − Expansion Tank	1
11	93−2160	Engine Mount − Rear	1
12	33114−070	Screw − HH	1
13	93−2155	Engine Mount − Front	1
14	93−2020	Bracket − Support	1
15	33114−020	Screw − HH	14
16	33024−00	Nut − Lock	14
17	94−1390	Screw − Shoulder	1
18	83−1030	Mount − Engine	3
19	323−11	Screw − HH	3
20	3290−357	Nut − Lock, Flange	3
21	83−1040	Plate − Washer	3
22	32105−13	Screw − HH	1
23	3296−2	Nut − Lock	1
24	92−3154	Tab − Throttle	1

Ref. No.	Part No.	Description	No. Used
25	33114−020	Screw − HH	3
26	33113−016	Screw − HH	4
27	98−4608	Plate − Pump	1
28	93−2177	Spacer − Upper	2
29	93−2178	Spacer − Lower	2
30	33116−130	Screw − HH	4
31	3256−26	Washer − Flat	8
32	33026−00	Nut − Lock	4
33	81−1690	Clamp − Throttle Cable	1
34	94−8191	Clamp − Hose	5
35	93−2298	Hose − Fuel	1
36	93−2230	Hose − Fuel	1
37	93−2344	Cable − Battery Negative	1
38	93−2340	Wire Harness	1
39	93−2343	Cable − Battery Positive	1
40	93−2322	Cable − Throttle Control	1
41	94−4538	Spacer − Mount	3
42	92−5753	Clamp − Hose, Double	1
43	94−8156	Shield − Dust	1
44	32144−14	Screw − HWH	3
45	3256−23	Washer − Flat	1
46	2412−107	Clamp − R	1
47	94−8189	Clamp − Hose	1
48	3256−51	Washer − Flat	1



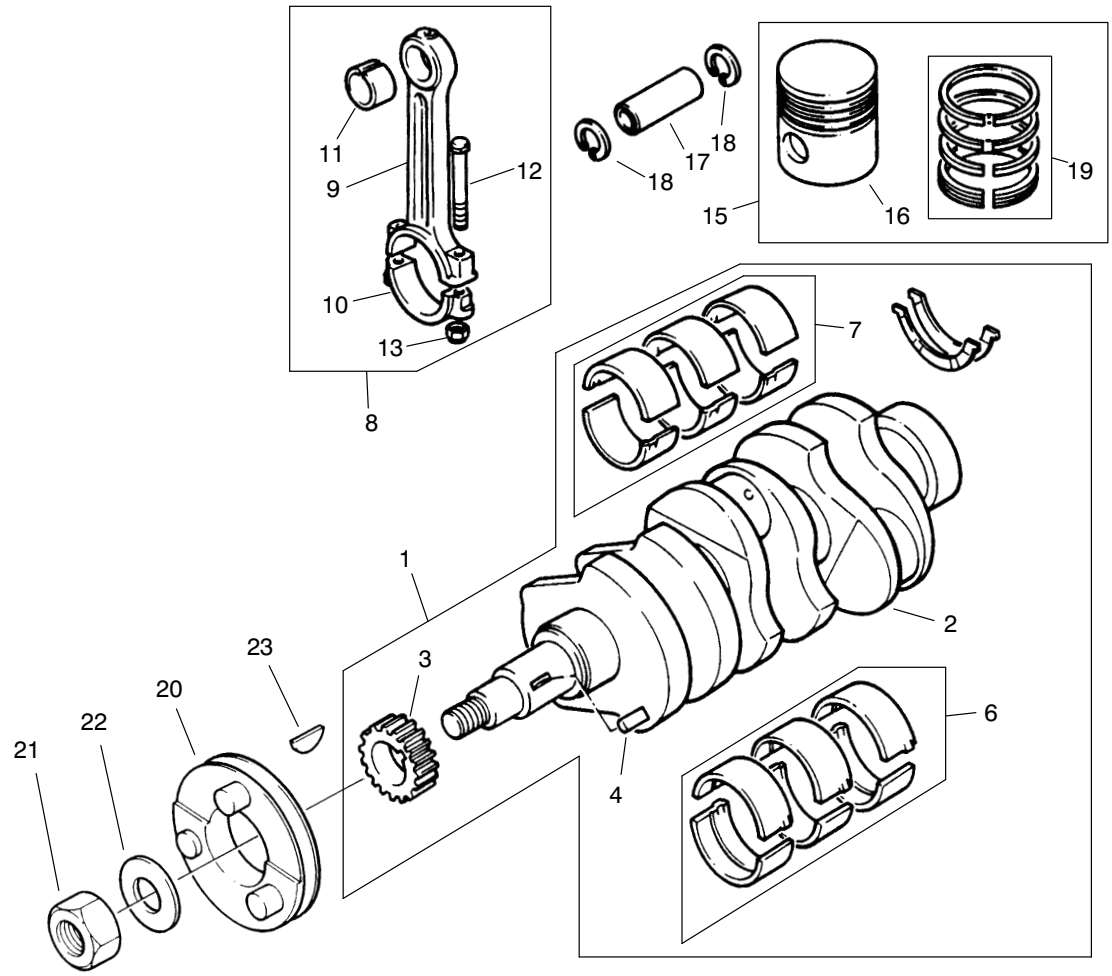
T−1377−1

CYLINDER BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	110186150	Kit − Cylinder Block	1
2	064200015	Plug	1
4	064200040	Plug	2
5	064200040	Plug	2
6	198466050	Plug	3
7	198466010	Plug	4
8	198466070	Plug	2
9	165296160	Shaft	1
10	198517090	Bush	1
11	198517300	Bush	1
*	198517304	Bush, 0.25mm u/s	1
*	198517307	Bush, 0.50mm u/s	1
12	040106203	Bearing − Ball	1
13	064100045	Plug	1
14	042303015	Bush	1
15	030500512	Dowel	2
16	030500616	Dowel	2
17	030500820	Dowel	2
18	030309005	Pin	2
19	012100620	Stud	2
20	012100635	Stud	1
21	012100660	Stud	1
22	110156220	Holder (Incl. Ref. #23 & 24)	1

Ref. No.	Part No.	Description	No. Used
23		Cap	1
24		Cap	1
25	030500612	Dowel	2
26	010810840	Screw	2
27	110156230	Holder (Incl. Ref. #28 & 29)	1
28		Cap	1
29		Cap	1
30	030500612	Dowel	2
31	010810840	Screw	2
32	110156240	Holder (Incl. Ref. #33 & 34)	1
33		Cap	1
34		Cap	1
35	030500612	Dowel	2
36	010810840	Screw	2
37	011310850	Screw	1
38	011310850	Screw	1
39	010700845	Screw	2
40	036509005	Circlip	1
41	064200018	Plug	2
42	198736052	Cock	1
*	195906840	Kit − Gasket	1

NOTE: Obtain replacement parts from your local Perkins Dealer.
*Not Illustrated



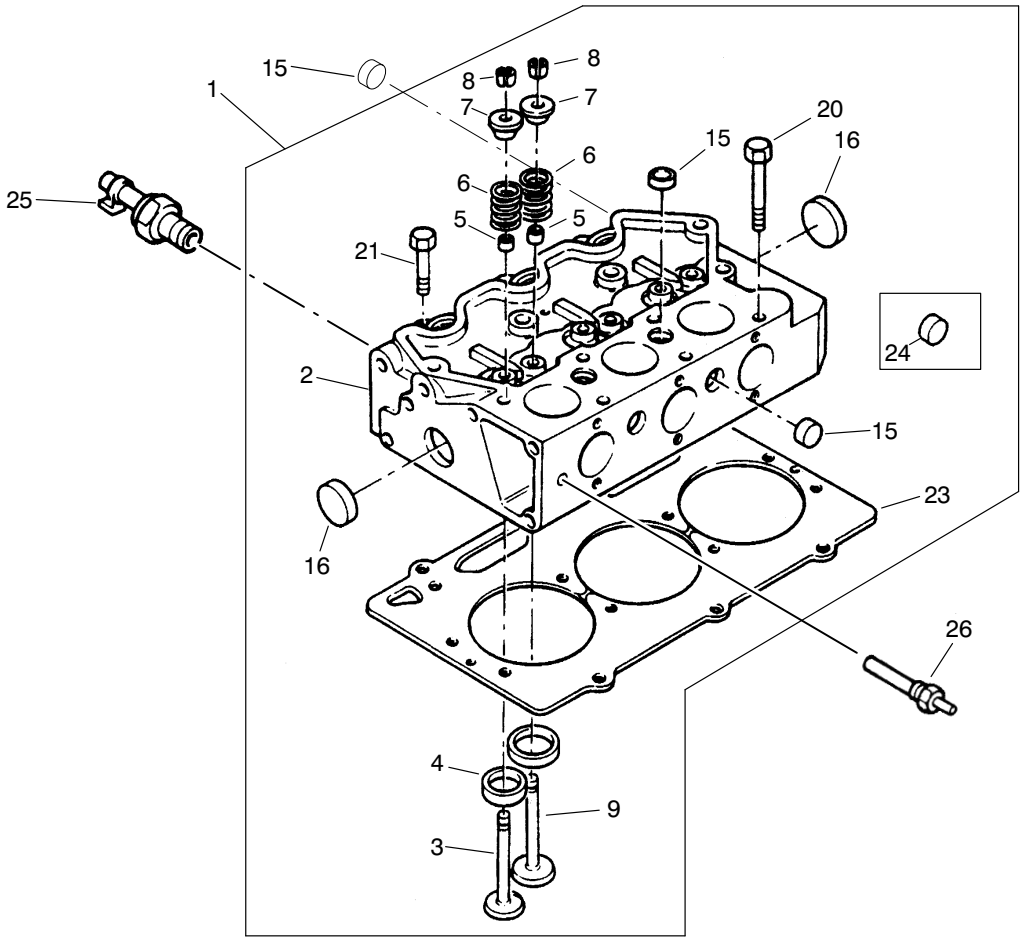
T–2174–3

CRANKSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	115236020	Kit – Crankshaft (Inc. Ref. #2)	1
2		Crankshaft	1
3	115276210	Gear	1
4	030509020	Key	1
6	198586030	Kit – Bearing, Std.	1
*	198586034	Kit – Bearing, 0.25mm u/s	1
*	198586037	Kit – Bearing, 0.50mm u/s	1
7	198586060	Kit – Bearing, Std.	1
*	198586064	Kit – Bearing, 0.25mm u/s	1
*	198586067	Kit – Bearing, 0.50mm u/s	1
8	115026240	Connecting Rod Assembly (Incl. Ref. # 9 & 10)	3
9		Rod	1
10		Cap	1
11	198517325	Bushing	1
12	115176130	Screw	2

Ref. No.	Part No.	Description	No. Used
13	020109103	Nut	2
14	115017090	Kit – Piston, Std.	3
*	115017100	Kit – Piston, 0.5mm o/s	1
15	115016960	Kit – Piston, Std. (Incl. Ref. #16)	1
*	115016970	Kit – Piston, 0.5mm o/s (Incl. Ref. #16)	1
16		Piston	1
17	115326260	Pin	1
18	036500019	Circlip	2
19	115107400	Kit – Piston Ring, Std.	1
*	115107410	Kit – Piston Ring, 0.5mm o/s	1
20	115396742	Pulley	1
21	020800018	Nut	1
22	026200018	Washer	1
23	134100508	Key	1

NOTE: Obtain replacement parts from your local Perkins Dealer.
*Not Illustrated



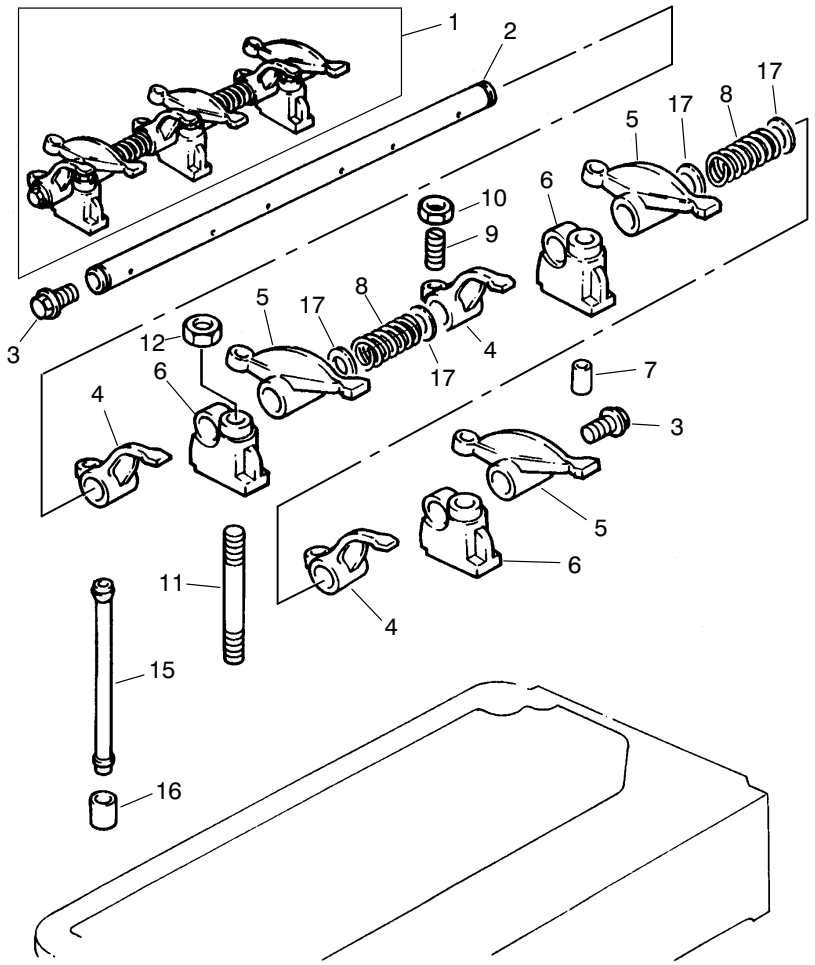
T−2175−1

CYLINDER HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	111016911	Kit − Cylinder Head	1
2	111086030	Kit − Cylinder Head	1
3	120166280	Valve Inlet	3
4	110136290	Insert	3
5	120406080	Seal	3
6	198217070	Spring	3
7	120186100	Cap	3
8	120226080	Cotter	6
9	120176290	Valve Exhaust	3
11	120406080	Seal	3
12	198217070	Spring	3

Ref. No.	Part No.	Description	No. Used
13	120186100	Cap	3
14	120226080	Cotter	6
15	198466070	Plug	4
16	064200022	Plug	3
17	064200022	Plug	3
20	111136340	Screw	11
21	111136350	Screw	3
23	111147400	Gasket, o/s 1.3mm	1
24	064200018	Plug	2
25	185246060	Switch − Oil Pressure	1
26	385720101	Sender − Temperature	1

NOTE: Obtain replacement parts from your local Perkins Dealer.
*Not Illustrated



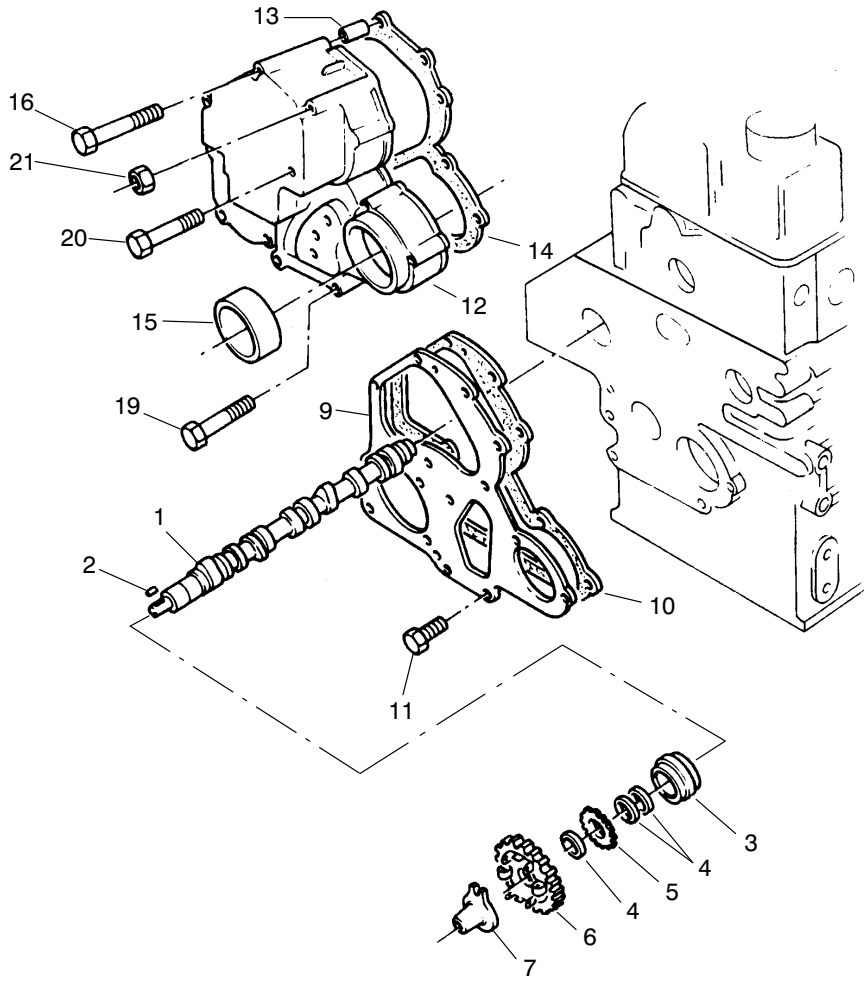
T–1380–1

ROCKER ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	120036330	Rocker Shaft Assembly	1
2	120316190	Shaft	1
3	064609006	Plug	2
4	120356120	Lever	3
5	120356110	Lever	3
6	120346170	Bracket	3
7	030300325	Pin	1
8	198217080	Spring	2

Ref. No.	Part No.	Description	No. Used
9	199486220	Adjusting Screw	6
10	020109076	Nut	6
11	012109177	Stud	3
12	023100008	Nut	3
15	120456240	Rod	6
16	120116100	Tappet	6
17	199280280	Washer	4

NOTE: Obtain replacement parts from your local Perkins Dealer.



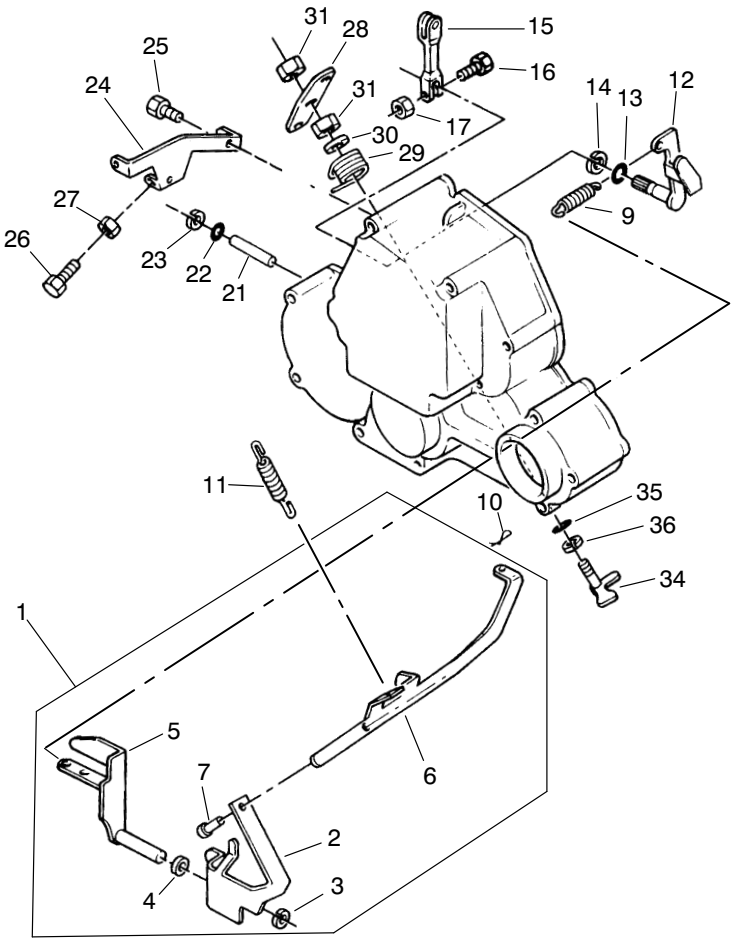
T–1381–1

CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	120026121	Camshaft	1
2	034100508	Key	1
3	040109059	Bearing	1
4	199216230	Spacer	3
5	120736081	Gear	1
6	120016030	Gear	1
7	125256120	Tappet	1
9	165166260	Plate	1
10	165996400	Joint	1

Ref. No.	Part No.	Description	No. Used
11	011300612	Bolt	3
12	165106131	Cover	1
13	030300414	Pin	1
14	165996410	Joint	1
15	198636090	Seal	1
16	011300680	Screw	2
19	011300640	Screw	4
20	011300660	Screw	2
21	023100006	Nut	1

NOTE: Obtain replacement parts from your local Perkins Dealer.



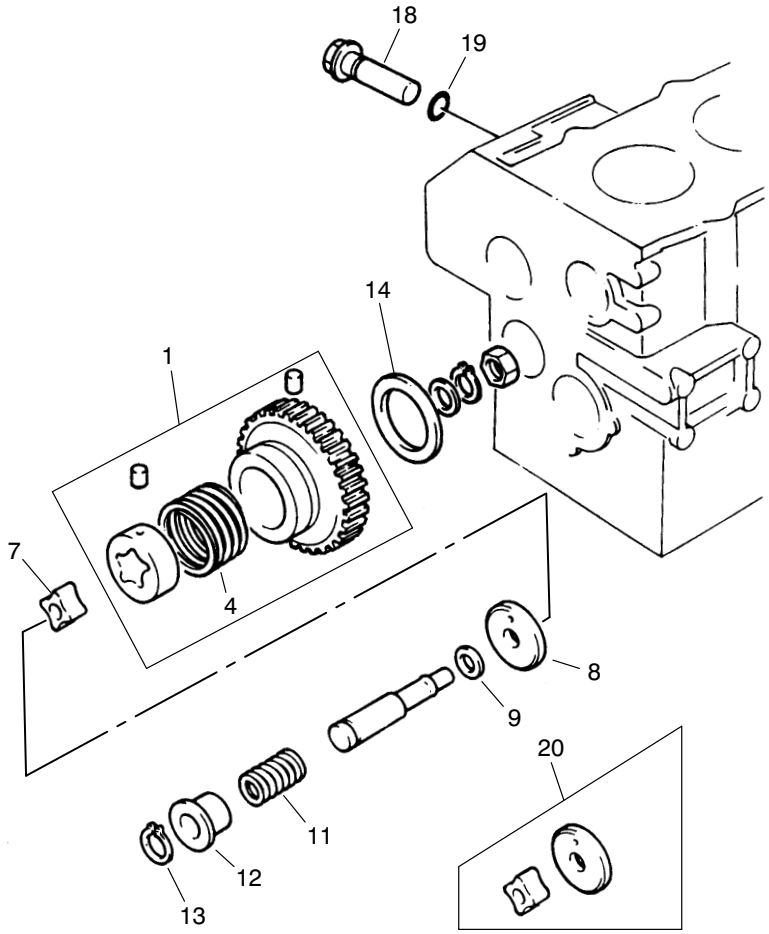
T−1382−1

TIMING COVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	125046250	Lever	
		(Incl. Ref. #2, 6 & 7)	1
2		Lever	1
3	036800008	Circlip	1
4	026200010	Washer	1
5	125406071	Lever	1
6		Link	1
7		Pin	1
9	198217110	Spring	1
10	031100004	Pin	1
11	198216731	Spring	1
12	125156170	Arm	1
13	052100070	O Ring	1
14	036800008	Circlip	1
15	125416300	Lever	1
16	010110630	Screw	1

Ref. No.	Part No.	Description	No. Used
17	023100006	Nut	1
21	125116130	Shaft	1
22	052100030	Seal − O−Ring	1
23	036800005	Circlip	1
24	125976120	Stay	1
25	011300616	Screw	2
26	010109264	Screw	2
27	023100006	Nut	2
28	125176080	Lever	1
29	198216760	Spring	1
30	026200008	Washer	1
31	020300008	Nut	2
34	125156180	Arm	1
35	052100050	O Ring	1
36	036800006	Circlip	1

NOTE: Obtain replacement parts from your local Perkins Dealer.



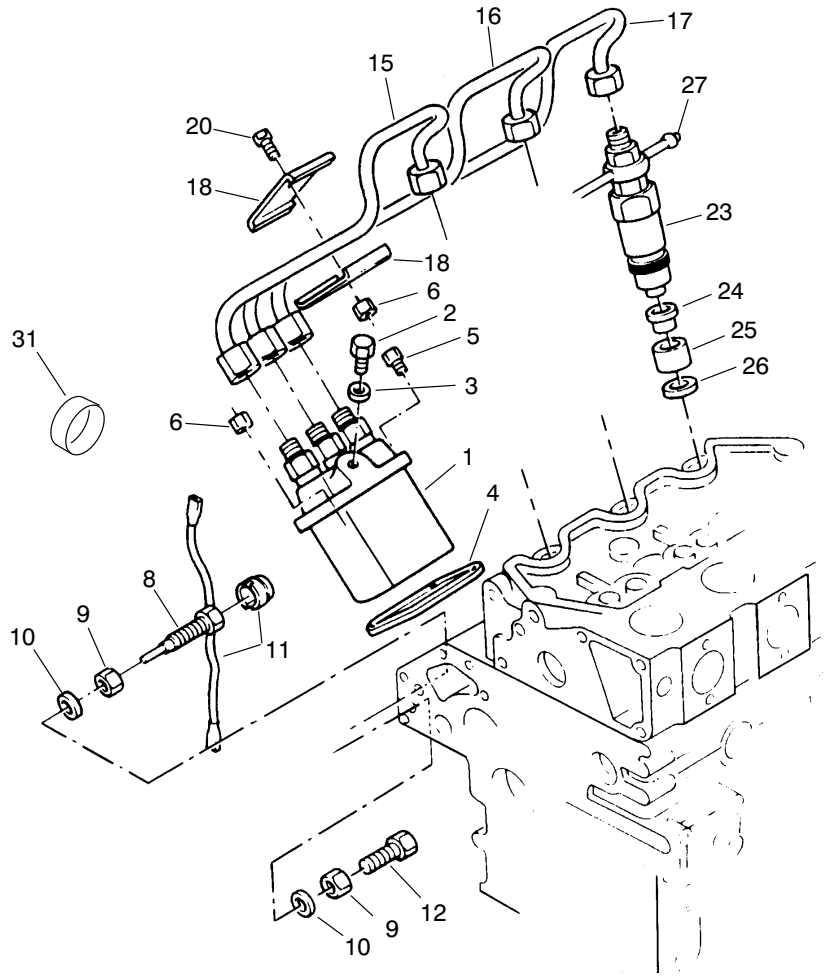
T−1383−1

OIL PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	165026110	Gear	1
4	198216821	Spring	1
7	140166130	Rotor	1
8	140116140	Cover	1
9	199286150	Shim, 0.10mm o/s	1
*	199286160	Shim, 0.15mm o/s	1
*	199286170	Shim, 0.20mm o/s	1
*	199286180	Shim, 0.50mm o/s	1

Ref. No.	Part No.	Description	No. Used
11	198216720	Spring	1
12	199236540	Collar	1
13	036800010	Circlip	1
14	199266180	Washer	1
18	140036120	Valve	1
19	052100150	Seal − O−Ring	1
20	140186010	Repair Kit	1

NOTE: Obtain replacement parts from your local Perkins Dealer.
*Not Illustrated



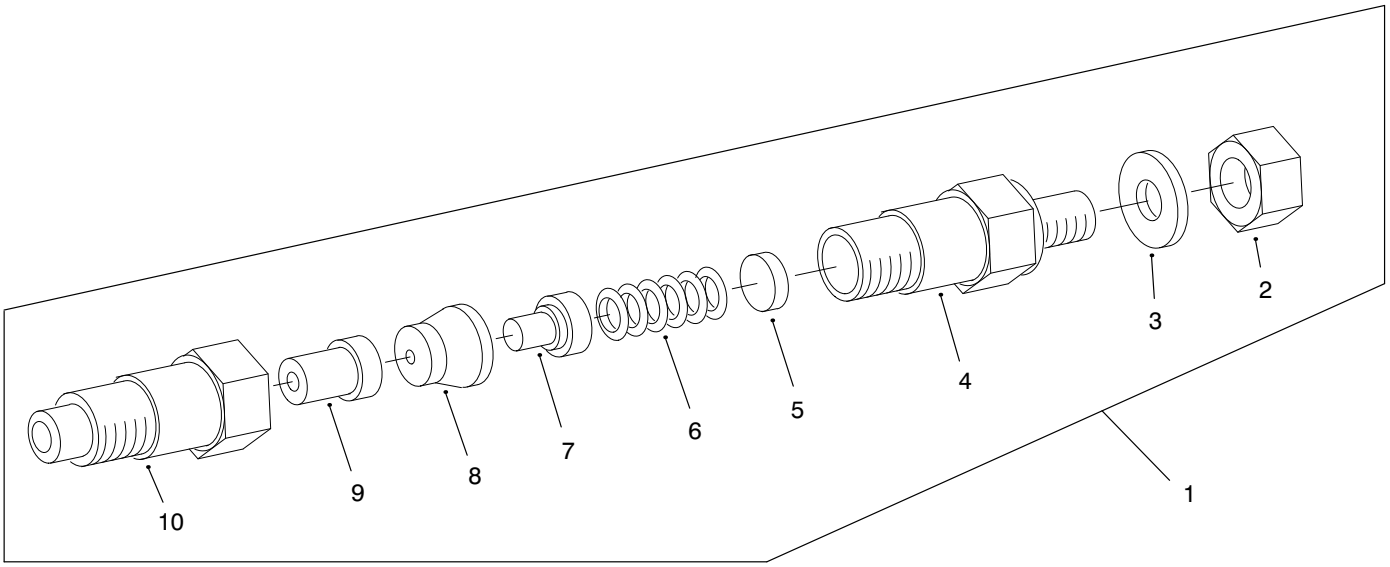
T–1384–1

FUEL INJECTION SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	131017610	Injection Pump	1
2	131236280	Screw	1
3	025100006	Washer	1
4	131426300	Shim	1
5	011300620	Screw	2
6	023100006	Nut	2
8	131046160	Screw	1
9	023109002	Nut	1
10	025100010	Washer	1
11	198236030	Wire	1
12	010109475	Screw	1
13	023109008	Nut	1
14	025100010	Washer	1

Ref. No.	Part No.	Description	No. Used
15	131507010	Injection Pipe No. 1 Cyl.	1
16	131507020	Injection Pipe No. 2 Cyl.	1
17	131507030	Injection Pipe No. 3 Cyl.	1
18	199106020	Damper	2
19	199106020	Damper	2
20	010100625	Screw	2
21	023100006	Nut	2
23	131406340	Atomiser	3
24	131426200	Gasket	3
25	111316280	Insert	3
26	198996090	Seal	3
27	131606260	Pipe	1
31	198466060	Plug	2

NOTE: Obtain replacement parts from your local Perkins Dealer.



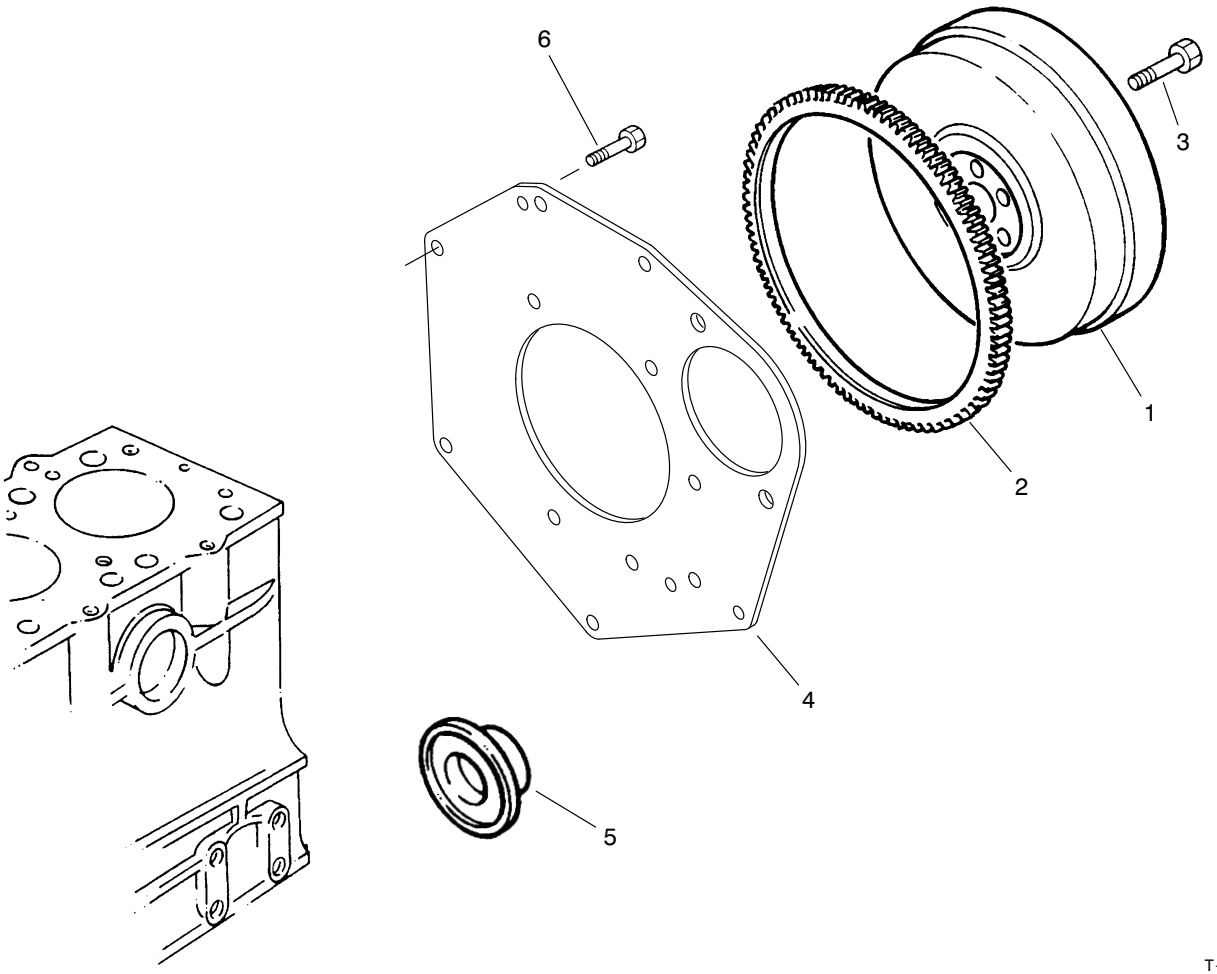
T–2495

INJECTION PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	131406340	Atomiser	3
2	131446069	Nut	1
3	131426210	Washer	1
4	131446065	Body	1
5	131437250	Shim, 0.90mm o/s	1
*	131437251	Shim, 0.925mm o/s	1
*	131437252	Shim, 0.95mm o/s	1
*	131437253	Shim, 0.975mm o/s	1
*	131437354	Shim, 1.00mm o/s	1
*	131437255	Shim, 1.025mm o/s	1
*	131437256	Shim, 1.05mm o/s	1
*	131437257	Shim, 1.075mm o/s	1
*	131437258	Shim, 1.10mm o/s	1
*	131437259	Shim, 1.125mm o/s	1
*	131437260	Shim, 1.15mm o/s	1
*	131437261	Shim, 1.175mm o/s	1

Ref. No.	Part No.	Description	No. Used
*5	131437262	Shim, 1.20mm o/s	1
*	131437263	Shim, 1.225mm o/s	1
*	131437264	Shim, 1.250mm o/s	1
*	131437265	Shim, 1.275mm o/s	1
*	131437266	Shim, 1.30mm o/s	1
*	131437267	Shim, 1.325mm o/s	1
*	131437268	Shim, 1.35mm o/s	1
*	131437269	Shim, 1.375mm o/s	1
*	131437270	Shim, 1.40mm o/s	1
*	131437271	Shim, 1.425mm o/s	1
*	131437272	Shim, 1.45mm o/s	1
6	131446066	Spring	1
7	131446070	Pin	1
8	131446068	Spacer	1
9	131416150	Nozzle	1
10	131446067	Nut	1

NOTE: Obtain replacement parts from your local Perkins Dealer.
*Not Illustrated

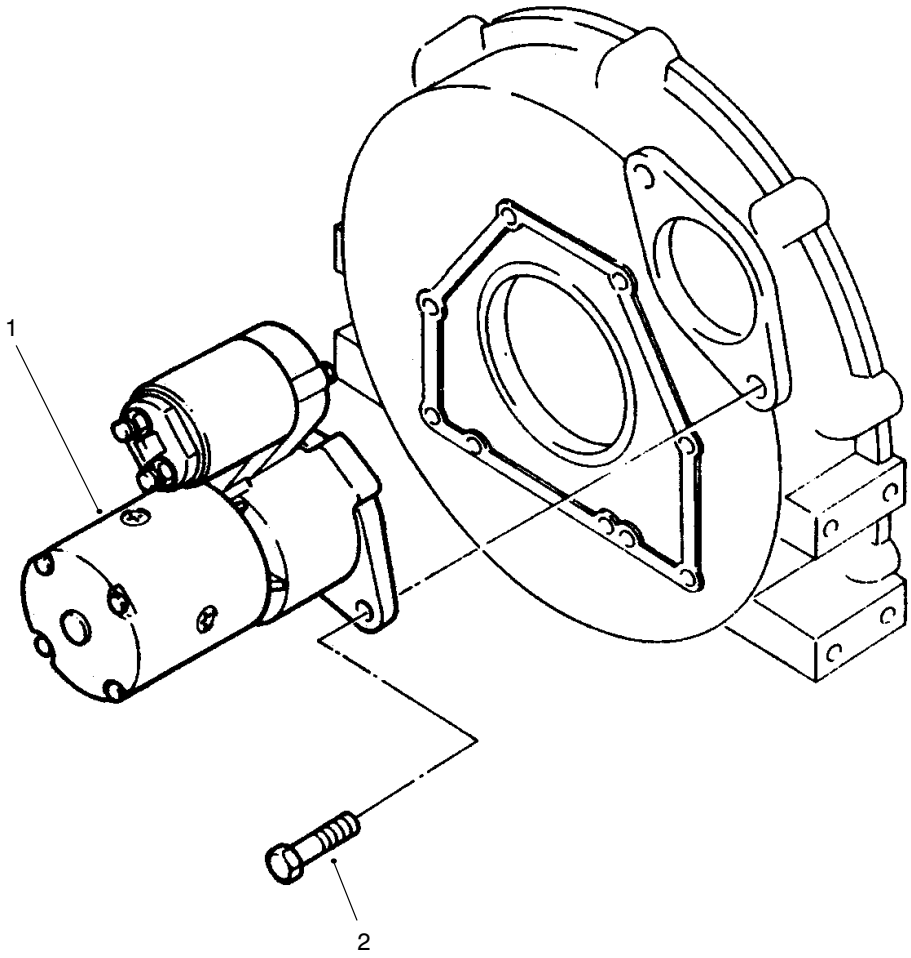


T–1387–3

FLYWHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	115357190	Flywheel	1
2	115376150	Gear – Ring	1
3	010109330	Screw	4
4	110366400	Plate	1
5	198636080	Seal	1
6	011310816	Screw	10

NOTE: Obtain replacement parts from your local Perkins Dealer.

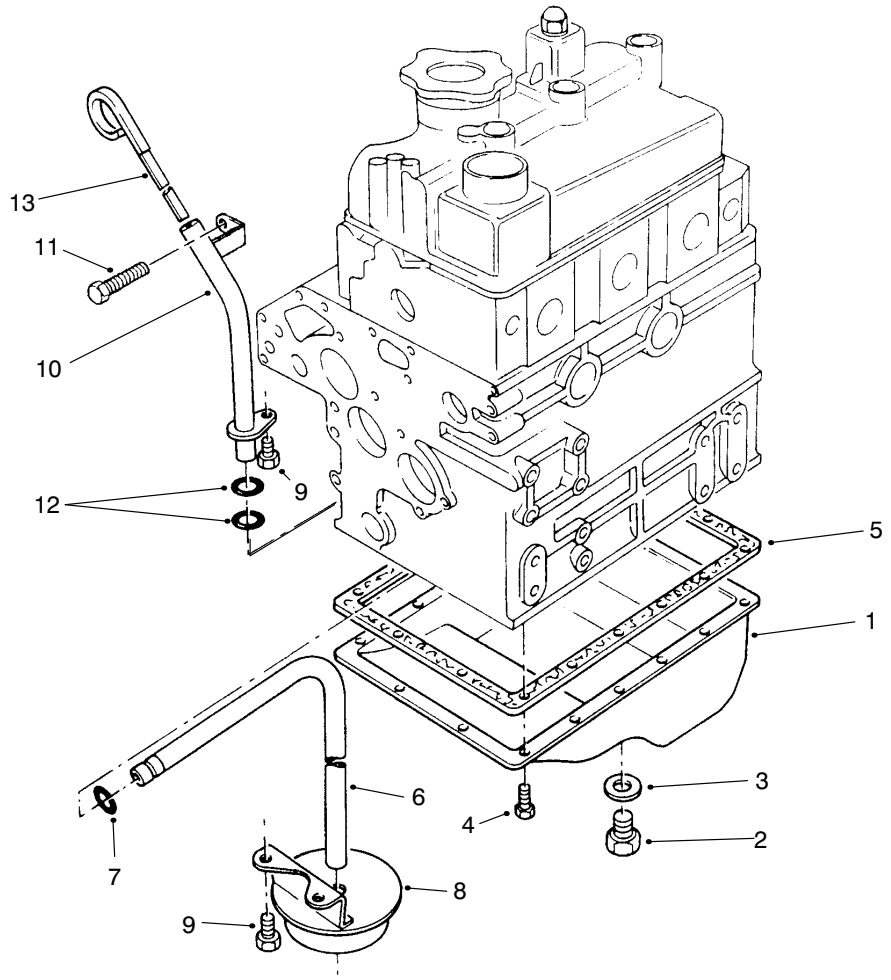


T–2191–1

STARTER INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	185086400	Starter Motor	1
2	011401020	Screw	2

NOTE: Obtain replacement parts from your local Perkins Dealer.

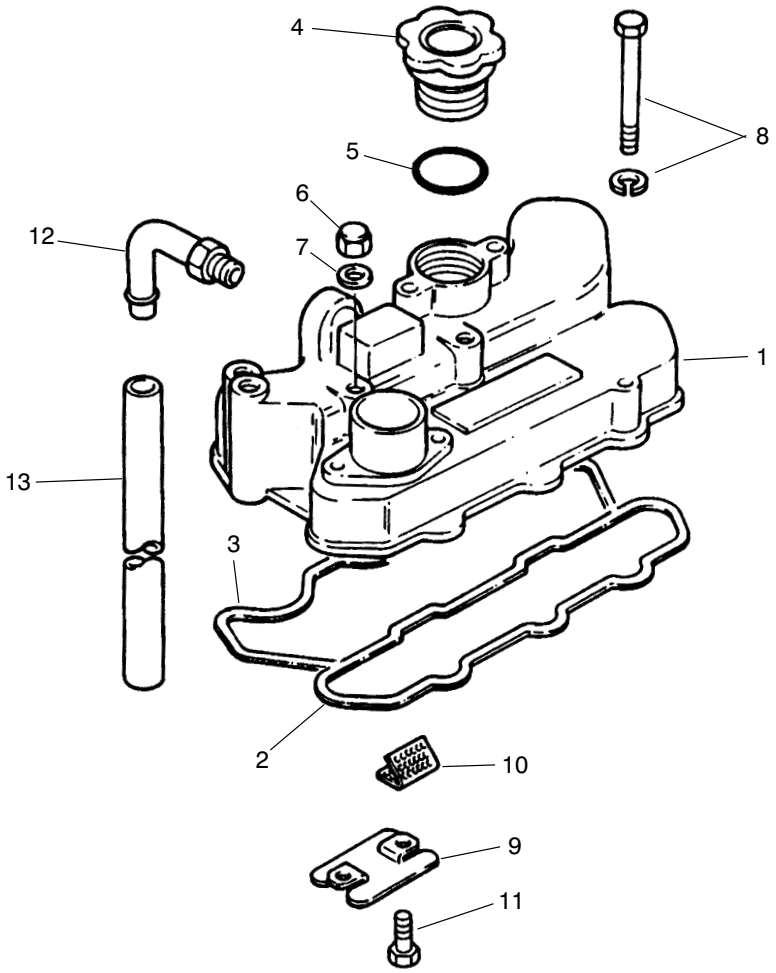


T–1390–1

OIL SUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	110706860	Sump	1
2	010401212	Plug	2
3	025100012	Washer	2
4	010109235	Screw	18
5	110996590	Gasket	1
6	140986590	Pipe	1
7	052109076	Seal – O–Ring	1
8	140406310	Strainer	1
9	011300612	Bolt	3
10	110756380	Tube	1
11	011300812	Screw	1
12	052100100	Seal – O–Ring	2
13	198416371	Dipstick	1

NOTE: Obtain replacement parts from your local Perkins Dealer.



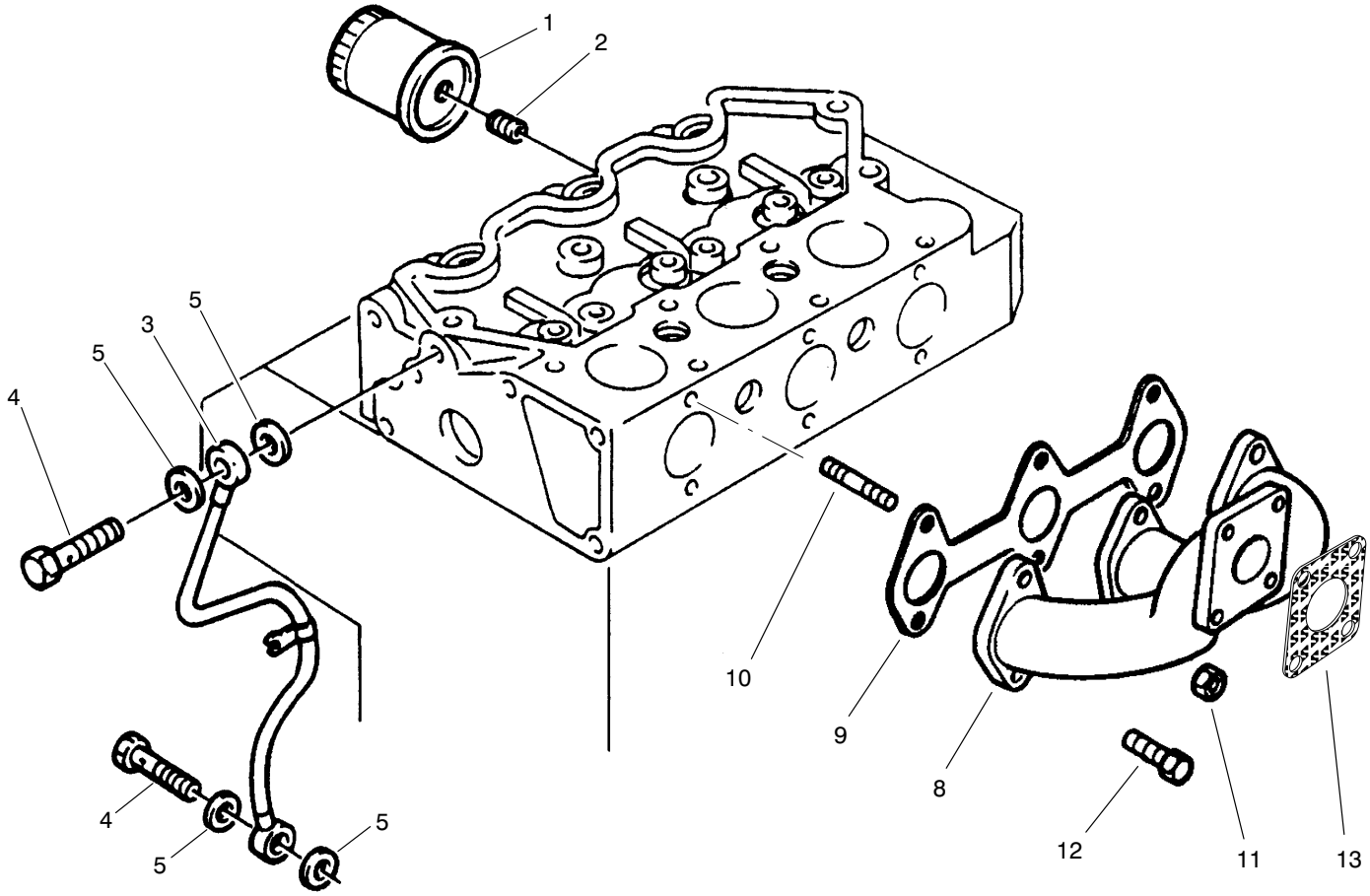
T–1391–1

VALVE COVER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	111026371	Cover	1
2	111996330	Gasket	1
3	111996060	Gasket	1
4	198436010	Cap	1
5	052100400	Seal	1
6	024500008	Nut	3
7	198996060	Washer	3

Ref. No.	Part No.	Description	No. Used
8	011300650	Screw	2
9	110666110	Plate	1
10	110666120	Gauze	1
11	011300612	Bolt	2
12	110986500	Pipe	1
13	068122560	Hose	1

NOTE: Obtain replacement parts from your local Perkins Dealer.
*Not Illustrated



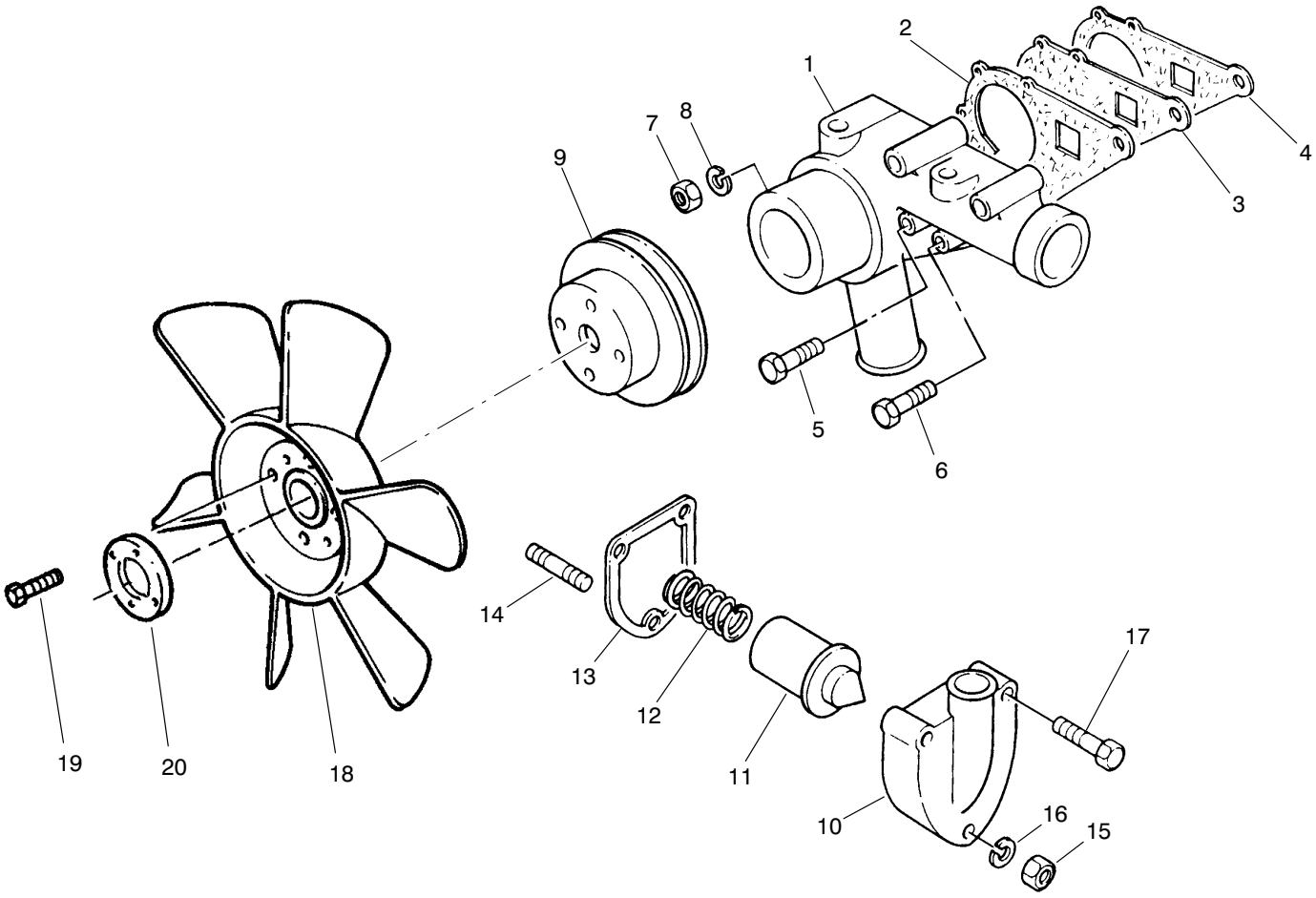
T–1392–2

OIL FILTER & EXHAUST MANIFOLD ASSEMBLIES

Ref. No.	Part No.	Description	No. Used
†1	85–4930	Filter – Oil	1
2	140546020	Connection	1
3	140606680	Pipe	1
4	198486780	Bolt	1
5	198996060	Washer	2
6	198486780	Bolt	1
7	198996060	Washer	2

Ref. No.	Part No.	Description	No. Used
8	135616620	Manifold – Exhaust	1
9	135996520	Gasket	1
10	012110625	Stud	3
11	023100006	Nut	3
12	011310625	Screw	3
13	314990013	Gasket – Muffler	1

NOTE: Obtain replacement parts from your local Perkins Dealer.
†Available from your local TORO Distributor.



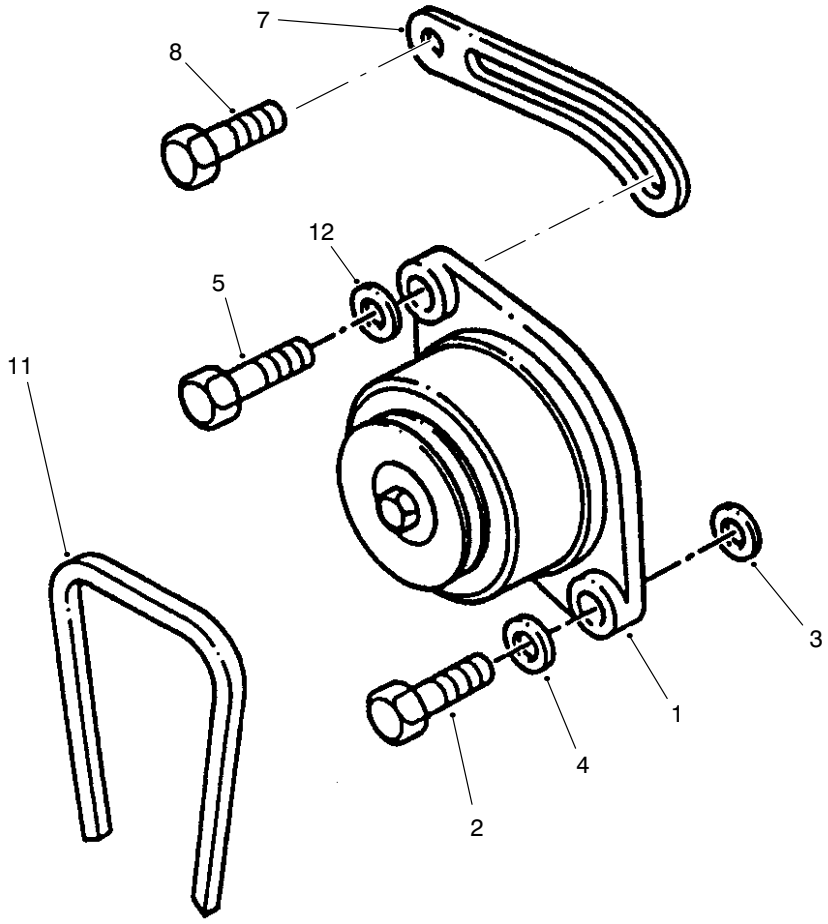
T–2454–1

WATER PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	145017400	Pump – Water	1
2	145996430	Gasket	1
3	145146270	Backplate	1
4	145996420	Gasket	1
5	011300635	Screw	3
6	011300650	Screw	4
7	023100006	Nut	1
8	027100006	Washer	1
9	145336490	Pulley	1
10	145216161	Housing	1

Ref. No.	Part No.	Description	No. Used
11	145206062	Thermostat	1
12	198217410	Spring	1
13	145996440	Gasket	1
14	012100650	Stud	1
15	023100006	Nut	1
16	027100006	Washer	1
17	011300650	Screw	2
18	145306590	Fan	1
19	011310620	Screw	4
20	145386520	Plate	1

NOTE: Obtain replacement parts from your local Perkins Dealer.



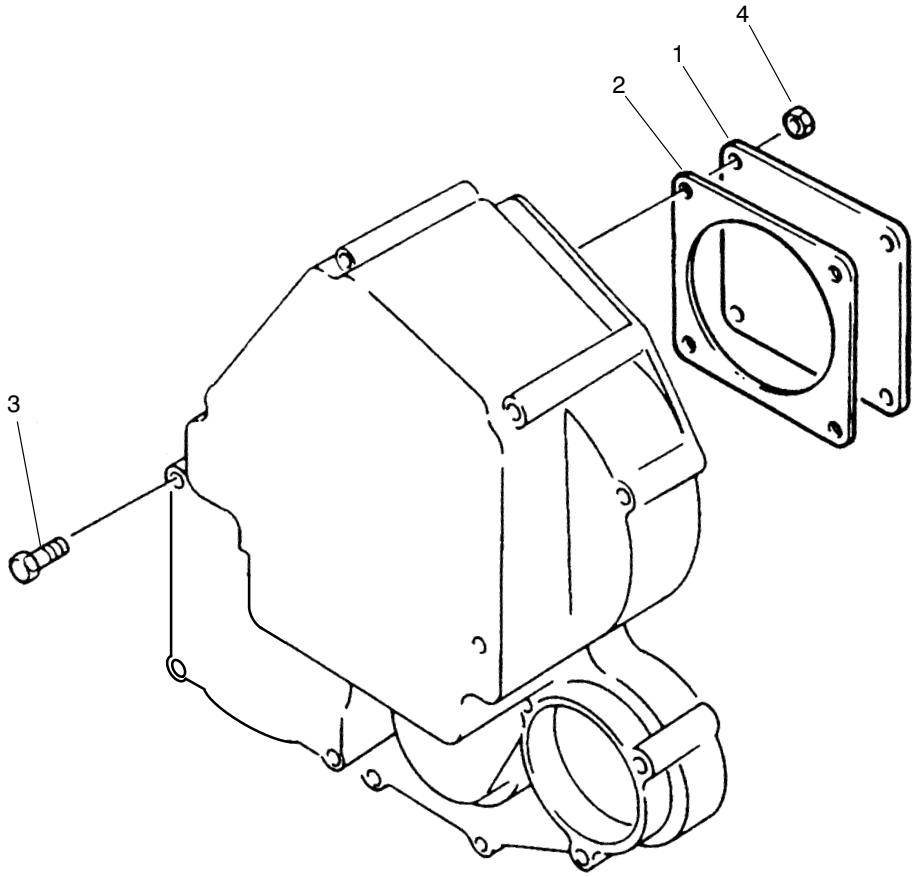
T–2192–1

ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	185046300	Alternator	1
2	010110850	Screw	1
3	199236850	Washer	1
4	026109017	Washer	1
5	011310825	Screw	1

Ref. No.	Part No.	Description	No. Used
7	185726910	Lever	1
8	011300816	Screw	1
11	080109083	Belt	1
12	026109017	Washer	1

NOTE: Obtain replacement parts from your local Perkins Dealer.



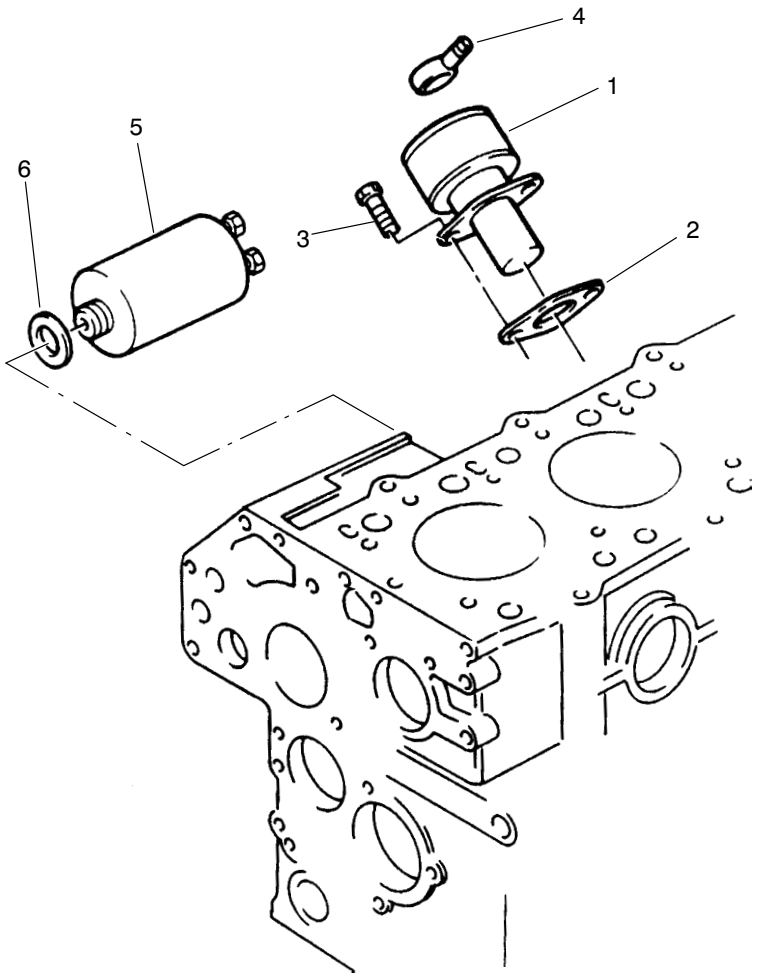
T–1398–1

TIMING COVER PLATE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	165206360	Plate	1
2	165996420	Gasket	1

Ref. No.	Part No.	Description	No. Used
3	010110850	Screw	4
4	023100008	Nut	4

NOTE: Obtain replacement parts from your local Perkins Dealer.

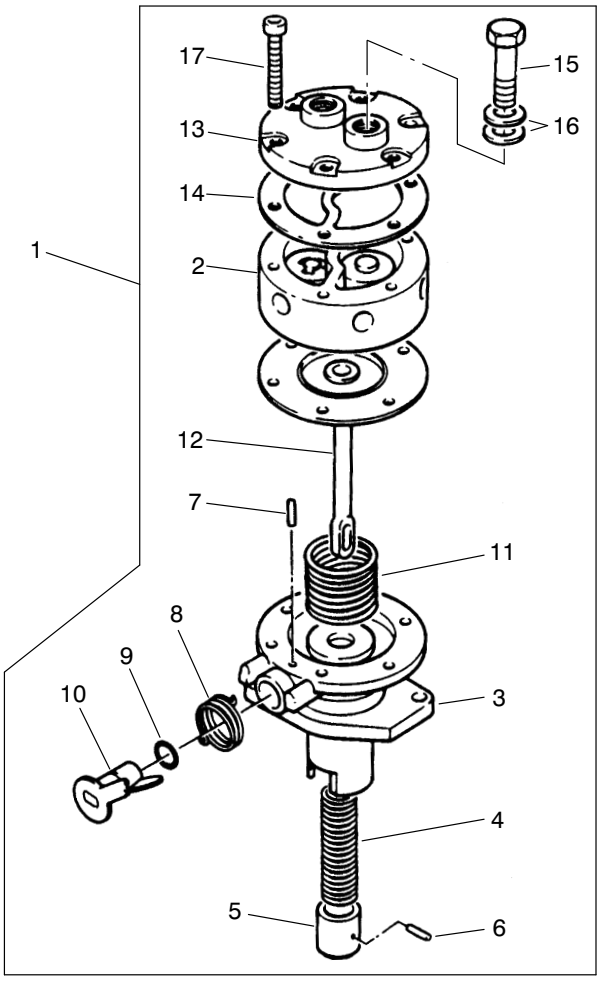


T–2179–2

LOW PRESSURE FUEL SYSTEM & THROTTLE STOP ASSEMBLIES

Ref. No.	Part No.	Description	No. Used
1	130506140	Pump – Lift	1
2	130996130	Gasket	1
3	011140616	Screw	2
4	198486840	Connection	2
5	185206082	Solenoid	1
6	025100016	Washer	1

NOTE: Obtain replacement parts from your local Perkins Dealer.



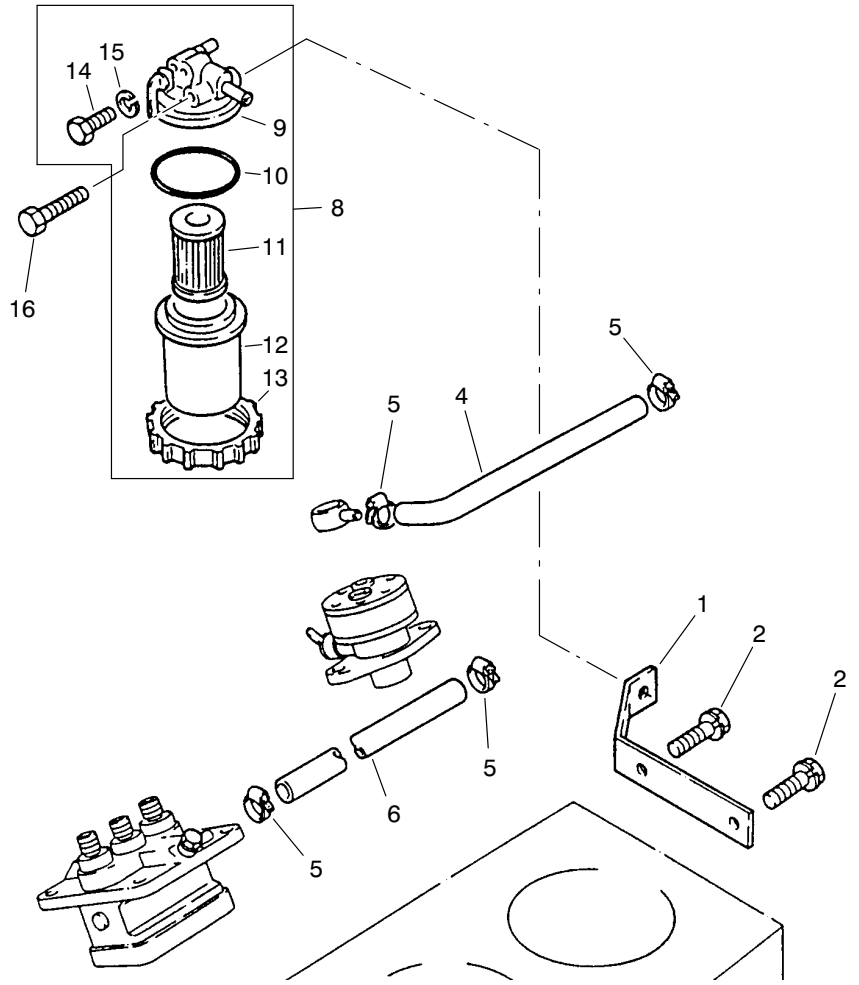
T−2455−1

LIFT PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	130506140	Lift Pump Assembly (Incl. Ref. #2)	1
2		Body	1
3	130516080	Body	1
4	130516081	Spring	1
5	130516082	Plunger	1
6	130516085	Pin	1
7	130516088	Pin	1
8	130516083	Spring	1

Ref. No.	Part No.	Description	No. Used
9	131226180	Seal − O−Ring	1
10	130516086	Lever	1
11	130516087	Spring	1
12	130516084	Diaphragm	1
13	130516090	Cap	1
14	130516089	Gasket	1
15	130516092	Bolt	2
16	130516069	Washer	4
17	130516091	Screw	6

NOTE: Obtain replacement parts from your local Perkins Dealer.



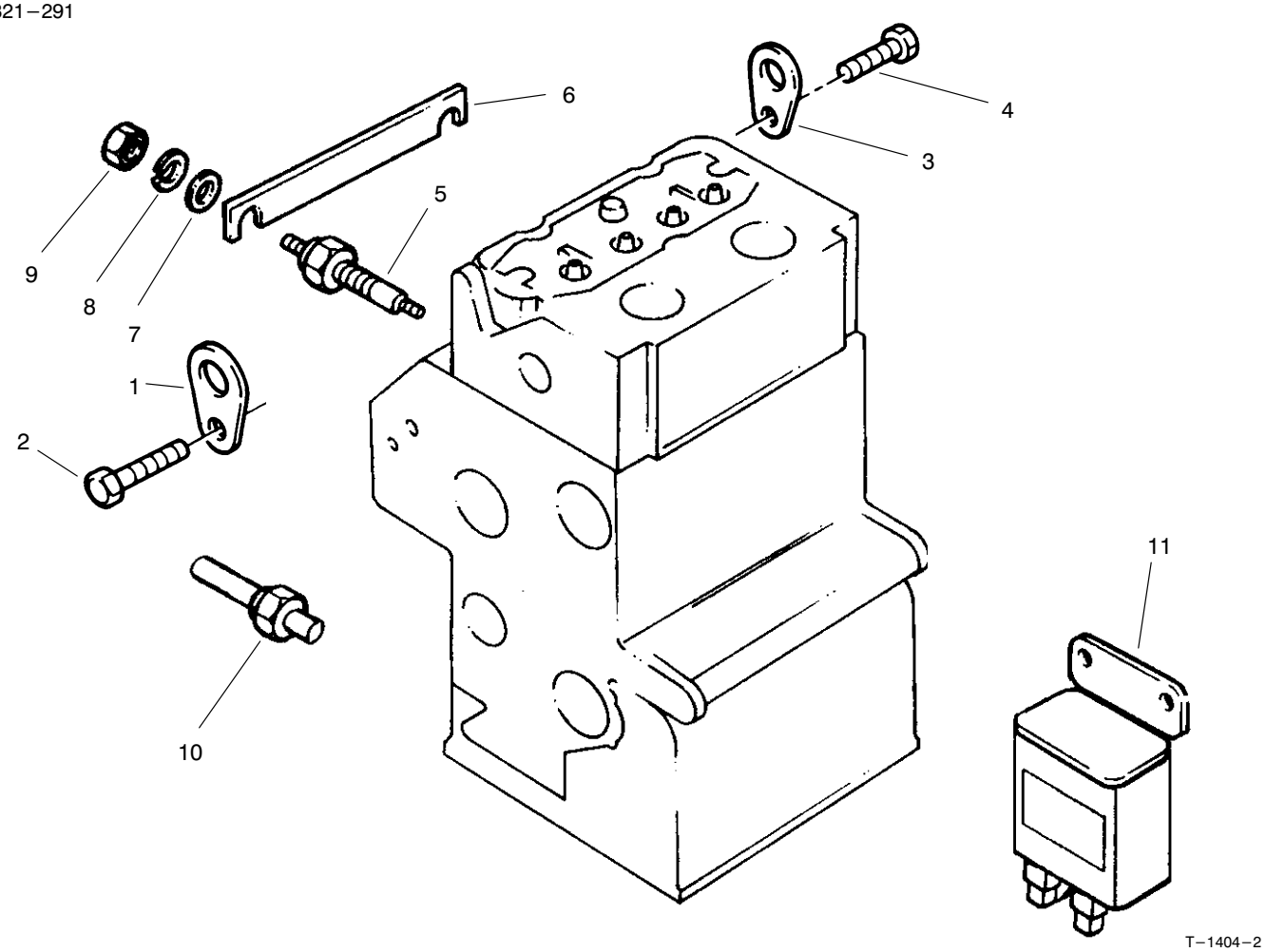
T−2180−1

FUEL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	130976222	Bracket	1
2	011310816	Screw	1
4	068207224	Pipe − Fuel	1
5	198346020	Clip	4
6	068207400	Pipe − Fuel	1
8	130306041	Fuel Filter Assembly (Incl. Ref. #9)	1
9		Head − Filter	1

Ref. No.	Part No.	Description	No. Used
10	052100440	Seal − O−Ring	1
11	130336040	Element − Filter	1
12	130336031	Container	1
13	130446090	Ring	1
14	130446080	Plug	2
15	130326120	Washer	2
16	010100865	Screw	1

NOTE: Obtain replacement parts from your local Perkins Dealer.

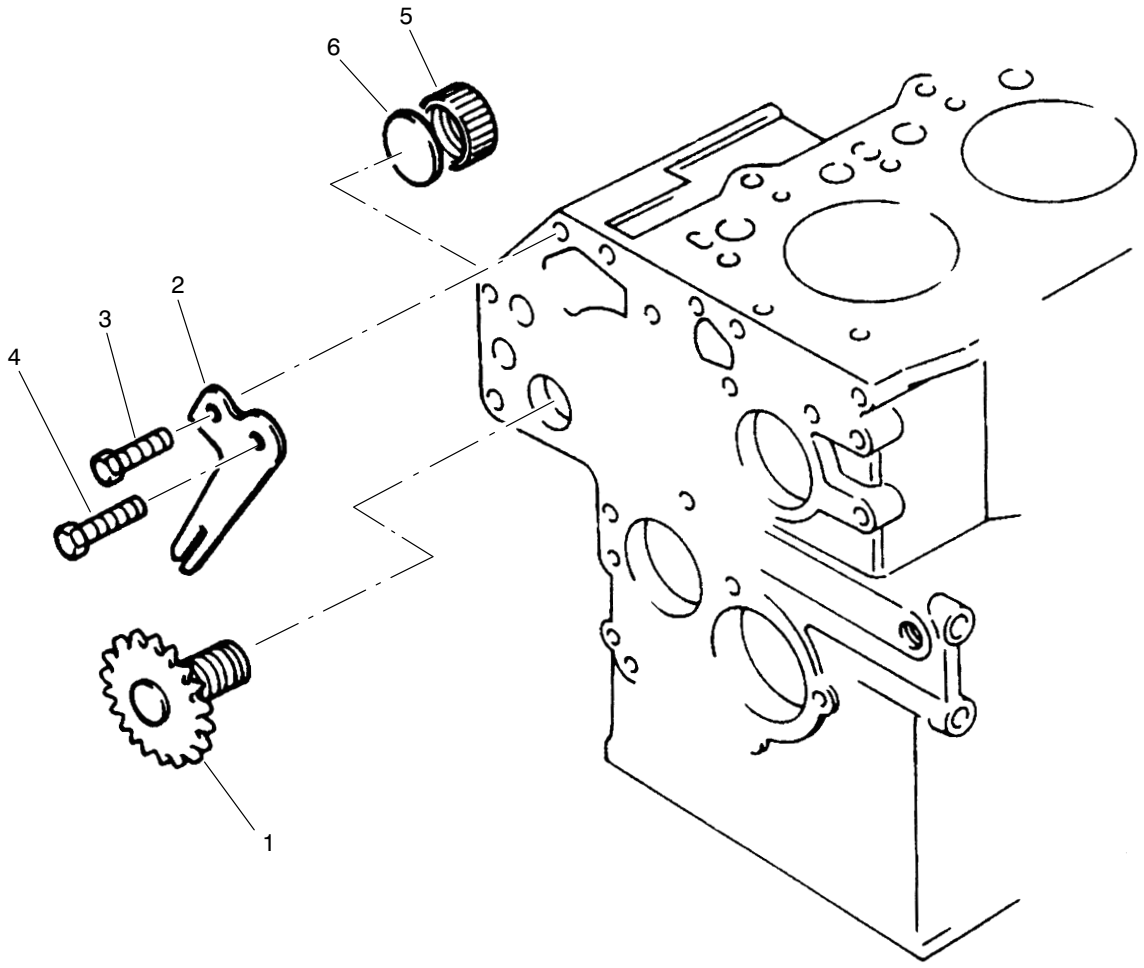


ENGINE LIFTING TAB & COLD START ASSEMBLIES

Ref. No.	Part No.	Description	No. Used
1	195816200	Plate	1
2	011310816	Screw	1
3	195816200	Plate	1
4	011310816	Screw	1
5	185366190	Heater	3
6	185376170	Bar	1

Ref. No.	Part No.	Description	No. Used
7		Washer	3
8		Washer	3
9		Nut	3
10	385720260	Sending Unit	1
11	385230120	Relay	1

NOTE: Obtain replacement parts from your local Perkins Dealer.

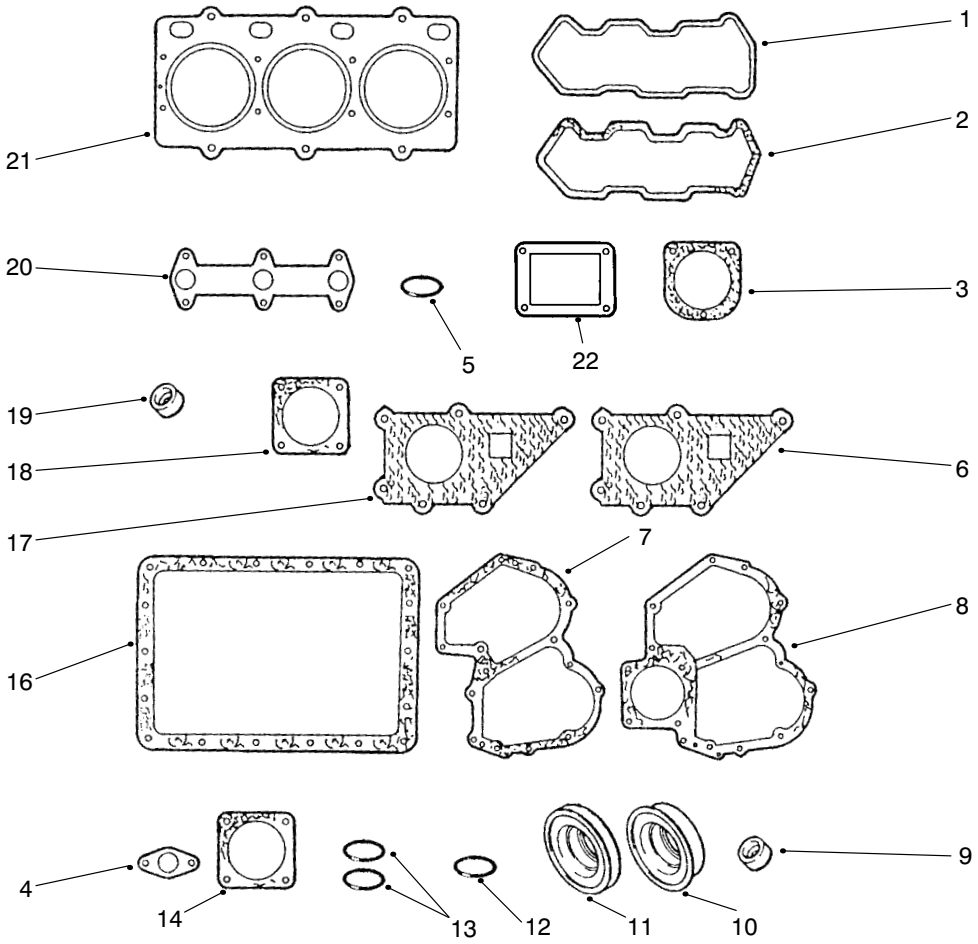


T–1406

TACHOMETER & HOUR RECORDER DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	120076070	Shaft	1
2	199566651	Plate	1
3	011310612	Screw	1
4	010700610	Screw	1
5	199376230	Cap	1
6	120996060	Seal	1

NOTE: Obtain replacement parts from your local Perkins Dealer.
*Not Illustrated



T−1970−2

GASKET AND SEALS

Ref. No.	Part No.	Description	No. Used
1	111996060	Gasket − Valve Cover	1
2	111996330	Gasket − Valve Cover	1
3	145996440	Gasket	1
4	130996130	Gasket − Lift Pump	2
5	052100400	Seal − Oil Filler Cap	1
6	145996430	Gasket − Water Pump	1
7	165996400	Gasket	1
8	165996410	Gasket	1
9	131426200	Gasket	3
10	198636080	Seal − Crankshaft	1
11	198636090	Seal	1
12	052109076	O−Ring	1

Ref. No.	Part No.	Description	No. Used
13	052100100	O−Ring − Dipstick Tube	2
14	165996420	Gasket − Timing Cover	1
16	110996590	Gasket − Oil Pan	1
17	145996420	Gasket − Water Pump	1
18	314990013	Gasket − Muffler	1
19	120406080	Seal	3
20	135996520	Gasket − Exhaust Manifolt	1
21	111147390	Gasket − Cylinder Head	1
22	130996070	Gasket	1
*	195906840	Kit − Gasket & Seals (Incl. Ref. #1−21)	1

NOTE: Obtain replacement parts from your local Perkins Dealer.

*Not Illustrated

TORO PART NUMBER INDEX

Part No.	Description	Pg. No.	Ref. No.	Qty.
2844	Washer	22	36	3
3−6498	Washer − Thrust	22	12	1
5−3934	Bolt	7	5	1
10−6060	Pin − Ram Pivot	27	5	2
10−6821	Brake Drum Assembly	3	*	2
10−6830	Stud − Drive	7	28	4
10−6850	Drum − Brake	3	3	2
10−6870	Hub − Wheel	3	24	2
17−9420	Screw − Handle	2	18	1
18−6320	Washer − Steering	7	3	3
18−6380	Pin	22	18	1
26−3790	Nut − Lock	3	14	2
27−2360	Switch − Ignition	10	13	1
27−6600	Spacer − Coupling	19	9	4
28−3680	Tire	3	2	2
28−3680	Tire	7	7	1
33−3720	Washer	21	33	1
33−4930	Gasket	21	12	1
42−2720	Seal − Shaft	21	34	1
43−6280	Button − Push	10	28	1
43−6420	Bezel	10	29	1
47−2890	Bushing	5	12	2
47−6990	Nut − Steering Wheel	5	6	1
48−9510	Nut − Lock	23	24	1
49−6440	Pedal − Accelerator	2	4	1
56−2230	Hose − Fuel	16	24	1
56−2520	Fitting − Fuel Shut Off	16	9	1
60−3520	O−Ring	19	2	1
63−2290	Washer − Thrust	29	19	9
63−8360	Key − Ignition	10	6	2
63−9750	Mount − Rubber	22	35	3
65−6390	Washer − Thrust	5	24	1
65−8320	Bar − Guage	27	*	1
66−2490	Retainer − Battery	15	7	1
66−2750	Battery	15	6	1
66−2950	Gauge − Hour Meter	10	4	1
66−3240	Cap − Radiator	18	30	1
66−8800	Relay − Glow Plug	15	11	1
68−3270	Bumper	15	28	2
68−5130	Wheel − Steering	5	5	1
68−5140	Cap − Steering Wheel	5	27	1
68−6150	Breather − Air	17	20	1
69−8940	Washer − Flat	29	8	1
69−9000	Spacer	25	10	4
69−9000	Spacer	24	12	4
69−9010	Washer	25	9	8
69−9010	Washer	24	11	8
70−1240	Plug Assembly	21	18	2
70−1480	Relay	15	1	8
70−8570	Circuit Breaker − 40 Amp	15	*	2
70−9840	Shoe − Brake	3	27	4
70−9850	Clip − Retaining	3	29	2
70−9860	Cam − Brake	3	26	2
70−9870	Plate − Backing	3	28	2
70−9880	Spring − Return	3	4	4
71−1500	Brake Assembly	3	*	2
72−9760	Switch − Override	10	16	1
74−0720	Tube − Manual	8	16	1
74−3730	Spacer − Cylinder	7	20	2
74−3730	Spacer − Cylinder	27	40	2
74−3810	Assembly − Load Plate	26	9	1
74−5950	Latch − Swell	18	11	2
74−9040	Coupler	21	42	1
74−9100	Pad − Pedal Forward	2	3	1
74−9110	Pad − Pedal Reverse	2	2	1
75−1310	Element − Filter	17	37	1
75−2010	Cartridge − Relief 2400 psi	14	8	1
75−2080	Seal Kit	14	*	5
75−2090	Seal Kit	14	*	1
75−5470	Spacer	22	15	1
75−5470	Spacer	11	17	1
75−9440	Hub − Wheel	7	6	1
76−0810	Housing Assembly	4	*	1
76−0840	Manifold	4	22	1
76−0850	Bearing − Thrust	4	12	1
76−0860	Shaft − Coupling	4	11	1
76−0870	Plate − Wear	4	18	1
76−0880	Commutator Assembly	4	*	1
76−0940	End Cover Assembly	4	24	1
76−6070	Rotating Kit Assembly	21	11	1
76−6150	Pin − Dowel	21	15	2
76−6160	Screw − Cap	21	23	2
76−6170	Screw − Cap	21	22	2
76−6200	Spring	21	19	2
76−8870	Lever Damper Assembly	22	4	1
77−3780	Lynch Pin & Lanyard Assy.	8	9	
80−8650	Coupling − Rubber	19	8	1
81−1690	Clamp − Throttle Cable	31	33	1
83−0730	Spacer − Lockup	5	8	1
83−0740	Disc − Friction	5	4	2
83−0760	Spacer − Lockup	5	3	1
83−1030	Mount − Engine	31	18	3
83−1040	Plate − Washer	31	21	3
83−1420	Steering Column Assembly	5	15	1
83−1700	Bushing − Flange	1	15	3
84−2000	Bracket − Brake	3	6	2
85−6540	Stud − Drive	3	25	8
85−9190	Plate − Control	10	10	1
86−5390	Kit − Seal, Repair	28	*	1
86−5390	Kit − Seal, Repair	30	*	
88−7200	Washer − Pivot	22	7	1
88−9190	Solenoid − 20 Watt	14	1	4
92−2379	Clamp − Hose	16	27	1
92−2538	Timer − Glow Plug	10	17	2
92−3154	Tab − Throttle	31	24	1
92−3188	Diode − Circuit Board	10	15	1
92−3188	Diode − Circuit Board	15	39	1
92−5723	Spacer	22	40	2
92−5753	Clamp − Hose Double	15	26	2
92−5753	Clamp − Hose Double	7	33	1
92−5753	Clamp − Hose, Double	31	42	1
92−5838	Ball Joint	7	10	2
92−6280	Seat Assembly	8	1	1
92−6282	Switch − Seat	8	40	1
92−6315	Cartridge − N.C.	14	9	1
92−6533	Kit − Cushion Repair	8	38	1
92−6534	Shell − Seat	8	37	1
92−8020	Adapter − Breather	17	36	1
92−8795	Assembly − Body	26	10	1
92−8796	Pin − Dowel	26	14	2
92−8863	Repair Kit	26	*	1
92−8990	Adjuster − Seat	8	13	1
92−8991	Adjuster w/Latch	8	14	1
92−8995	Bushing − Straight	29	5	2
92−8995	Bushing − Straight	27	25	4
92−9199	Hydraulic Motor − Wheel	3	10	2
92−9761	Link − Drive	4	13	7
92−9762	Screw − Cap Hex. Hd.	4	14	1
92−9763	Rotor Set	4	*	1
92−9775	Warning Light Cluster	10	5	1
93−1375	Reel Motor	25	5	1
93−1375	Reel Motor	24	13	2
93−2010	Frame	1	4	1
93−2016	Hose − Radiator	18	23	1
93−2018	Hose − Radiator	18	17	1
93−2020	Bracket − Support	31	14	1
93−2031	Hose − Radiator	18	2	1
93−2035	Hose − Air Cleaner	23	18	1
93−2035	Hose − Air Cleaner	15	34	1
93−2035	Hose − Air Cleaner	18	34	1
93−2036	Clamp − Air Hose	15	27	1
93−2043	Hose − Fuel	31	9	1
93−2048	Cap − Overflow Tank	16	19	1
93−2049	Tank − Overflow	16	21	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
93−2050	Screen	18	10	1
93−2055	Reed Switch − Sensor	11	9	2
93−2056	Reed Switch − Actuator	11	10	1
93−2068	Hose − Pump Inlet	17	31	1
93−2069	Rod − Brake	3	12	2
93−2069	Rod − Brake	1	14	2
93−2070	Clevis − Swivel	3	21	2
93−2072	Shield − Wheel RH	1	17	1
93−2073	Shield − Wheel LH	1	16	1
93−2075	Brake Pedal	1	21	1
93−2085	Rod	2	1	1
93−2092	Clamp − Cable	2	31	1
93−2096	Lever − Brake	3	13	2
93−2099	Cable − Traction Control	2	16	1
93−2099	Cable − Traction Control	22	29	1
93−2111	Stud − Traction	22	13	1
93−2115	Steering Arm	5	19	1
93−2120	Steering Control Valve	5	23	1
93−2122	Cylinder Asm − Steering	7	13	1
93−2123	Bracket − Fuse Block	15	19	1
93−2125	Castor Fork	7	4	1
93−2128	Panel − Seat Base	8	5	1
93−2142	Pad − Floor Plate	2	8	1
93−2151	Plate − Backing	31	3	1
93−2152	Adapter − Fan	31	2	1
93−2155	Engine Mount − Front	31	13	1
93−2160	Engine Mount − Rear	31	11	1
93−2169	Bracket − Relay	15	4	1
93−2170	Pump Adapter	19	10	1
93−2177	Spacer − Upper	31	28	2
93−2178	Spacer − Lower	31	29	2
93−2183	Pipe − Exhaust	23	12	1
93−2185	Exhaust Bracket	23	11	1
93−2190	Air Cleaner Assembly	23	6	1
93−2191	Mounting Band Assembly	23	5	1
93−2195	Element − Air Cleaner	23	*23	1
93−2199	Screw − HH	5	9	1
93−2225	Tank − Fuel	16	2	1
93−2230	Hose − Fuel	16	12	1
93−2230	Hose − Fuel	31	36	1
93−2233	Decal −GR3200	7	22	2
93−2235	Tank − Hydraulic	17	6	1
93−2236	Mount − Oil Filter	17	10	1
93−2238	T−Block	24	18	1
93−2240	Manifold Assembly	13	1	1
93−2242	Filter Assembly − Oil	17	8	1
93−2252	Hose Assembly	19	23	1
93−2252	Hose Assembly	5	31	1
93−2254	Hose Assembly	13	20	2
93−2254	Hose Assembly	27	24	2
93−2255	Hose Assembly	27	3	1
93−2255	Hose Assembly	13	26	1
93−2255	Hose Assembly	15	36	1
93−2256	Hose Assembly	27	4	1
93−2256	Hose Assembly	13	25	1
93−2256	Hose Assembly	15	35	1
93−2258	Hose Assembly	29	20	1
93−2258	Hose Assembly	13	24	1
93−2260	Hose − Expansion Tank	16	5	1
93−2260	Hose − Expansion Tank	31	10	1
93−2260	Hose − Expansion Tank	18	25	1
93−2264	Hose Assembly	24	14	2
93−2269	Hose Assembly	7	16	1
93−2269	Hose Assembly	15	30	1
93−2269	Hose Assembly	5	32	1
93−2270	Hose Assembly	7	14	1
93−2270	Hose Assembly	15	29	1
93−2270	Hose Assembly	5	33	1
93−2271	Hose Assembly	13	13	1
93−2271	Hose Assembly	5	34	1
93−2272	Hose Assembly	13	14	1
93−2272	Hose Assembly	5	30	1
93−2275	Screen − Filler	17	17	1
93−2276	Spring − Brake Latch	1	2	1
93−2279	Clamp − Cable	11	2	1
93−2279	Clamp − Cable	2	34	1
93−2298	Hose − Fuel	16	23	1
93−2298	Hose − Fuel	31	35	1
93−2299	Fitting − Fuel	16	11	1
93−2300	Radiator	18	4	1
93−2320	Shroud − Fan	18	19	1
93−2322	Cable − Throttle Control	31	40	1
93−2322	Control − Throttle	10	9	1
93−2340	Harness − Wire	10	26	1
93−2340	Wire Harness	15	23	1
93−2340	Wire Harness	31	38	1
93−2343	Cable − Battery Positive	15	21	1
93−2343	Cable − Battery Positive	31	39	1
93−2344	Cable − Battery Negative	15	22	1
93−2344	Cable − Battery Negative	31	37	1
93−2362	Roller − Anti Scalp	29	11	4
93−2362	Roller − Anti Scalp	27	17	8
93−2363	Shaft − Roller	29	12	2
93−2363	Shaft − Roller	27	16	4
93−2368	Bushing − Flange	29	10	2
93−2368	Bushing − Flange	27	14	4
93−2384	Spacer − Carrier	27	28	2
93−2400	Lockup Handle	5	2	1
93−2422	Rod − Seat Pivot	8	10	2
93−2423	Hose − Air Cleaner	23	17	1
93−2424	Bracket − Cooler Lower	18	13	2
93−2425	Bracket − Cooler Upper	18	5	2
93−2437	Plug − Serrated	17	24	1
93−2438	Clamp − Fuel Tank	17	3	1
93−2509	Clamp − Tube	24	3	2
93−2551	Seal − Basket	27	37	2
93−2551	Seal − Basket	29	43	1
93−2578	Shroud − Console	8	19	1
93−2589	Hub − Pump	19	4	1
93−3102	Fuel Cap − Diesel	16	1	1
93−3614	Assembly − Cover	26	4	1
93−3615	Assembly − Drive Shaft	26	7	1
93−3616	Assembly − Idler Gear	26	6	1
93−4637	Washer − Flat	16	4	3
93−4637	Washer − Flat	17	12	4
93−5447	Insert − Threaded	8	28	2
93−6668	Decal − Battery	15	33	1
93−6681	Decal − Warning	18	6	1
93−6689	Decal − No Rider	8	26	1
93−7160	Cap − Hydraulic Oil	17	5	1
93−7252	Decal − CE Mark	8	33	1
93−7276	Decal − Danger	15	32	1
93−7489	Valve − Flow Control	29	35	1
93−7494	Cartridge − N.O. Poppet	14	2	2
93−7629	Pad − Foot Brake	1	22	1
93−7840	Decal − Radiator Cap	18	12	1
93−8062	Decal − Parking Brake	1	5	1
93−8063	Decal − Warning	5	26	1
93−8064	Decal − Warning	27	29	2
93−8064	Decal − Warning	29	29	1
93−8067	Decal − Hydraulic Oil	8	24	1
93−8068	Decal − Steering Arm	5	20	1
93−8069	Decal − Hot Surface	23	9	1
93−9051	Decal − Eccentric Bolt	22	28	1
94−1300	Neutral Lock	2	27	1
94−1304	Cable − Neutral Lock	2	24	1
94−1312	Spacer − Pivot	22	5	1
94−1316	Bracket − Bulkhead	25	6	1
94−1317	Tube − Hydraulic	25	7	1
94−1317	Tube − Hydraulic	13	15	1
94−1318	Tube − Hydraulic	24	20	1
94−1318	Tube − Hydraulic	25	21	1
94−1319	Tube − Hydraulic	24	21	1
94−1320	Tube − Hydraulic	24	22	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
94−1320	Tube − Hydraulic	13	34	1
94−1321	Tube − Hydraulic	25	20	1
94−1321	Tube − Hydraulic	24	23	1
94−1325	Push Mount Tie	15	16	2
94−1328	Hose Assembly	25	8	1
94−1332	Hose Assembly	19	27	1
94−1332	Hose Assembly	13	33	1
94−1348	Hose − Tank	16	17	1
94−1349	Hose − Breather	18	24	1
94−1364	Plate	16	13	1
94−1369	Spring − Ext.	22	17	1
94−1371	Spacer	2	11	1
94−1372	Bracket − Mow	2	20	1
94−1373	Bracket −Lock	2	19	1
94−1374	Trunion Mow Bracket	2	22	1
94−1375	Trunion Lock Bracket	2	21	1
94−1378	Tube − Handle Pivot	11	11	1
94−1383	Pedal Pivot	2	12	1
94−1386	Shaft − Pedal Lock	2	23	1
94−1390	Screw − Shoulder	31	17	1
94−1414	Valve	23	22	1
94−2579	Decal − Toro	8	27	1
94−2627	Cartridge	14	3	1
94−3011	Plug	20	18	1
94−3452	Pin − Cylinder	29	21	1
94−3473	Elbow Assembly − Radiator	18	26	1
94−3477	Hose Assembly	13	22	1
94−3477	Hose Assembly	29	26	1
94−3480	Guard − Alternator	18	29	1
94−3486	Plate	22	34	1
94−3488	Lever − Pump	22	6	1
94−3489	Screw − HH	2	26	1
94−3644	Seat	21	20	2
94−3645	Key	21	1	1
94−3646	Key	21	9	1
94−3650	Dump Valve Assembly	21	21	1
94−3652	Cover Assembly	23	21	1
94−3653	Bolt	23	15	1
94−3654	Spring − Compression	23	16	1
94−3661	Seal Kit	14	*	1
94−4353	Hose − Fuel	16	18	1
94−4398	Kit − Seal, Cylinder Repair	7	*	1
94−4518	Hose − Assembly	17	22	1
94−4518	Tube − Hydraulic	13	27	1
94−4519	Tube − Convoluted	15	38	1
94−4527	Neutral Arm	22	11	1
94−4528	Plug	18	14	2
94−4538	Spacer − Mount	31	41	3
94−4539	Hose Assembly	25	16	1
94−4539	Hose Assembly	17	32	1
94−4546	Panel − Extension	8	30	1
94−4547	Panel − Lower	8	20	1
94−4548	Bumper	27	7	2
94−4548	Bumper − Recessed	29	32	1
94−4929	Kit − Seal	6	*	1
94−5350	Fitting − Bulkhead Tee	25	28	2
94−5352	Retainer − Hose	25	29	1
94−5353	Tube − Hydraulic	25	31	1
94−5354	Tube − Hydraulic	25	32	1
94−5355	Hose Assembly	19	26	1
94−5356	Hose Assembly	19	35	1
94−5357	Hose Assembly	25	26	2
94−5357	Hose Assembly − RH	3	7	2
94−5358	Hose Assembly	25	30	2
94−5358	Hose Assembly − LH	3	8	2
94−5359	Bracket − Air Cleaner	23	2	1
94−5438	Seal − Solenoid	14	19	8
94−6351	Cartridge − Relief 150 psi	14	13	1
94−6352	Plug − Cavity	14	18	1
94−6353	Plug − Cavity	14	15	1
94−6357	Hydraulic Cylinder Assembly	29	2	1
94−6359	Shaft − Drive	21	2	1
94−6360	Plate − Valve	21	13	1
94−6363	Bearing	21	3	1
94−6366	Cover − Steering Valve	5	16	1
94−6368	Bearing	21	14	1
94−6383	Hose Assembly	13	30	1
94−6383	Hose Assembly	19	44	1
94−6384	Hose Assembly	19	25	1
94−6385	Valve − Relief	19	40	1
94−6386	Cartridge − Relief Valve	19	46	1
94−6398	Bracket − Traction	11	15	1
94−6399	Plate − Floor	2	9	1
94−6953	Console	10	1	1
94−8077	Decal − Console	10	14	1
94−8153	Muffler	23	7	1
94−8155	Bracket − Bulkhead	25	14	1
94−8156	Shield − Dust	31	43	1
94−8157	Arrester − Spark	23	*	1
94−8158	Screw − Cap	20	11	8
94−8160	Washer	20	17	4
94−8161	Kit − Seal Repair	20	*	1
94−8178	Seal Kit	4	*	1
94−8189	Clamp − Hose	31	47	1
94−8191	Clamp − Hose	31	34	5
94−8196	Washer − Nylon	22	39	2
94−8197	Tube − Pivot	22	2	1
94−8198	Pin	27	6	2
94−8199	Tube − Pivot	29	22	1
94−9600	Brake Latch	1	13	1
94−9603	Cable Support	22	9	1
94−9607	Hose − Formed	17	21	1
94−9609	Bushing − Straight	22	10	1
94−9610	Bushing − Flange	27	10	4
94−9611	Handle	11	7	1
94−9614	Roller − Pivot	11	22	1
94−9617	Pin − Spring	11	20	1
94−9618	Spacer − Spring	11	25	1
94−9619	Bushing	11	23	1
94−9620	Spring − Torsion	11	26	1
94−9623	Radiator Support Asm	18	8	1
94−9627	Seat Support Asm	8	4	1
94−9628	Steering Cover Asm	5	14	1
94−9629	Muffler Shield Asm	23	8	1
94−9633	Decal − Service	8	25	1
94−9634	Decal − Service (Spanish)	8	25	1
94−9635	Decal − Service (French)	8	25	1
94−9636	Decal − Service (German)	8	25	1
94−9637	Decal − Service (Swedish)	8	25	1
94−9638	Decal − Service (Italian)	8	25	1
94−9639	Decal − Service	8	25	1
94−9640	Decal − Service (Norwegian)	8	25	1
94−9641	Decal − Service (Finnish)	8	25	1
94−9642	Decal − Service (Danish)	8	25	1
94−9643	Decal − Service (Dutch)	8	25	1
94−9644	Decal − Service (Japanese)	8	25	1
94−9647	Ball Joint	29	15	1
94−9647	Ball Joint	27	20	2
94−9648	Ball Stud	29	40	1
94−9648	Ball Stud	27	41	2
95−0533	Gear Pump	19	28	1
95−0535	Engine − Perkins	31	1	1
95−1628	Hinge − Upper	1	11	1
95−1629	Hinge − Lower	1	12	1
95−1639	Fitting − Hydraulic	29	17	1
95−1639	Fitting − Orificed	13	36	2
95−2903	Angle − Basket Seal	27	36	2
95−2903	Angle − Basket Seal	29	42	1
95−2907	Hose Assembly	25	4	2
95−2908	Hose Assembly	24	15	2
95−2909	Hose Assembly	24	17	2
95−2927	Fitting − Hydraulic 90˚	29	37	1
95−5641	Seal Kit	14	*	1
95−5999	Plug − Orifice	14	14	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
98−0632	Adapter − Pull Link	27	45	2
98−0632	Adapter − Pull Link	29	46	1
98−2172	Lift Arm − Center	29	4	1
98−2174	Lift Arm − RH	27	21	1
98−2176	Lift Arm − LH	27	22	1
98−2178	Screw	27	19	2
98−2178	Screw − HH	29	14	1
98−2179	Shell & Housing Assembly	27	42	2
98−2179	Shell & Housing Assembly	29	45	1
98−2195	Lever − Control	10	7	1
98−2197	Bushing − Flange	29	6	2
98−2199	Grass Basket Assembly	27	35	2
98−2199	Grass Basket Assembly	29	41	1
98−4605	Hydraulic Cylinder Assembly	27	1	2
98−4606	Hose Assembly	19	37	1
98−4607	Bracket − Spring	22	19	1
98−4608	Plate − Pump	31	27	1
98−4609	Hydrostat	19	16	1
98−4618	Bushing − Eccentric	29	47	2
98−4624	Pull Arm	29	9	1
98−4624	Pull Arm	27	13	2
98−4633	Cover Plate Assembly	21	5	1
98−4634	Cover Plate Assembly	21	25	1
98−4635	Insert − Camplate	21	39	1
98−4636	Seal Repair Kit	21	*	1
98−4637	Plate − Cam	21	10	1
98−4638	Housing Assembly	21	29	1
98−4639	Bearing − Cone	21	8	2
98−4640	Screw − Cap	21	4	6
98−4641	Back Plate Assembly	21	16	1
98−4642	Shim	21	7	A/R
99−1453	Center Carrier Asm	29	7	1
99−1454	Carrier − LH	27	12	1
99−1455	Carrier − RH	27	11	1
99−1456	Pad	27	*	3
99−1905	Hose − Pump Inlet	19	24	1
217−60	Rim	3	23	2
217−60	Rim	7	23	1
218−446	Washer − Lock	10	20	1
218−447	Nut − Hex.	10	21	1
218−498	Nut − Hex.	10	30	1
218−590	Switch − Micro	10	23	2
2112−9	Clamp	23	10	2
232−24	Stem − Valve	3	22	2
232−27	Valve Stem w/Cap	7	29	1
233−42	Knob	11	21	1
233−48	Knob	5	1	1
237−21	O−Ring	13	21	7
237−21	O−Ring	25	25	1
237−21	O−Ring	24	29	4
237−21	O−Ring	27	31	4
237−21	O−Ring	7	31	2
237−21	O−Ring	5	35	2
237−21	O−Ring	29	39	2
237−22	O−Ring	13	19	1
237−22	O−Ring	24	25	1
237−22	O−Ring	17	26	1
237−22	O−Ring	19	31	7
237−30	O−Ring	25	22	2
237−30	O−Ring	24	27	4
237−30	O−Ring	13	31	1
237−42	O−Ring	14	7	6
237−42	O−Ring	13	18	1
237−42	O−Ring	17	25	1
237−42	O−Ring	24	26	1
237−42	O−Ring	5	36	1
237−42	O−Ring	19	39	2
237−58	O−Ring	13	28	1
237−58	O−Ring	17	28	1
237−65	O−Ring	13	16	3
237−65	O−Ring	25	27	3
237−65	O−Ring	3	30	4
237−65	O−Ring	19	32	3
237−78	O−Ring	13	23	7
237−78	O−Ring	25	24	1
237−78	O−Ring	24	30	4
237−78	O−Ring	27	30	4
237−78	O−Ring	7	30	2
237−78	O−Ring	29	38	4
237−79	O−Ring	14	11	1
237−79	O−Ring	25	23	2
237−79	O−Ring	24	28	4
237−79	O−Ring	19	29	3
237−79	O−Ring	5	29	4
237−79	O−Ring	13	32	1
237−79	O−Ring	17	33	1
237−80	O−Ring	14	16	2
237−80	O−Ring	13	17	2
237−80	O−Ring	3	31	4
237−80	O−Ring	19	33	1
237−81	O−Ring	13	29	1
237−81	O−Ring	17	29	3
237−81	O−Ring	19	34	2
237−100	Grommet	8	12	1
237−124	Grommet	16	25	1
237−146	O−Ring	17	27	1
237−156	O−Ring	14	5	9
240−3	Grommet − Rubber	25	11	4
240−3	Grommet − Rubber	24	24	4
240−11	Grommet	16	3	3
240−11	Grommet	17	13	4
242−50	Nut − Lug	3	1	8
242−50	Nut − Lug	7	8	4
2411−34	Ball Joint	22	26	1
2411−34	Ball Joint	2	29	1
2411−38	Ball Joint	11	1	1
2411−38	Ball Joint Assembly	2	7	1
2412−34	Clamp − Hose	18	1	5
2412−34	Clamp − Hose	19	1	2
2412−34	Clamp − Hose	17	30	1
2412−36	Clamp − Hose	16	10	4
2412−92	Clamp − Hose	23	19	2
2412−92	Clamp − Hose	18	35	1
2412−107	Clamp − R	31	46	1
2412−108	Clamp − Hose	18	20	3
2412−108	Clamp − Hose	16	22	1
2412−108	Clamp − Hose	16	26	1
2412−129	Clamp − Hose	17	23	2
2412−133	Clamp − R	8	17	2
2412−134	Clamp − R	25	15	2
2412−137	Clamp − Tube, Double	25	34	1
251−259	Bearing − Ball	22	16	1
251−259	Bearing − Ball	11	19	1
252−66	Bearing − Thrust	21	32	1
252−71	Race − Bearing	21	31	2
253−111	Seal − Shaft	7	24	2
254−61	Bearing − Cup	7	19	2
254−70	Bearing Cone	7	18	2
254−78	Cone − Bearing	7	25	2
254−79	Cup − Bearing	7	26	2
256−311	Bushing − Straight	11	8	1
256−311	Bushing − Straight	2	13	4
282−2	Clevis	1	19	2
283−8	Pin − Clevis	29	3	1
283−8	Pin − Clevis	27	9	2
283−61	Pin − Clevis	1	18	2
283−87	Pin − Clevis	1	23	2
285−17	Plug	23	20	1
302−5	Fitting − Grease	2	38	1
302−5	Fitting − Grease, Str.	7	21	1
302−55	Fitting − Grease	7	27	1
302−60	Fitting − Grease 90˚	29	30	1
302−60	Fitting − Grease 90˚	27	33	2
302−60	Fitting − Grease, 90˚	7	11	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
304−73	Fitting − Hydraulic Barb	18	3	2
321−3	Screw − Hex. Hd.	8	41	2
322−2	Screw − HH	8	2	2
323−4	Screw − HH	5	18	2
323−8	Screw − HH	22	20	2
323−11	Screw − HH	31	19	3
325−4	Screw − HH	5	10	2
325−4	Screw − HH	29	34	1
325−4	Screw − HH	27	39	2
325−6	Screw − HH	27	26	2
325−6	Screw − HH	29	27	1
327−17	Screw − HH	29	24	1
3210−6	Screw − HH	22	8	1
3211−2	Screw − HH	27	15	8
3211−2	Screw − HH	29	25	4
3217−6	Nut − Hex.	23	14	4
3218−2	Nut − Hex Jam	15	2	2
3218−5	Nut − Jam	27	27	4
3218−5	Nut − Jam	29	28	2
3219−14	Nut − Hex.	2	40	1
3220−1	Nut − Jam	22	38	1
3220−1	Nut − Jam	2	39	1
3220−2	Nut − Jam	1	3	2
3220−2	Nut − Jam	22	32	1
3220−6	Nut − Jam	7	17	4
3220−20	Nut − Jam	3	15	2
3241−6	Screw − SQH	19	5	2
3246−3	Screw − Set	5	22	1
3253−4	Washer − Lock	23	13	4
3253−4	Washer − Spring Lock	23	26	4
3254−2	Washer − Lock	15	13	1
3254−3	Washer − Lock	31	6	1
3256−1	Washer − Flat	24	2	2
3256−1	Washer − Flat	17	15	3
3256−1	Washer − Flat	8	23	3
3256−1	Washer − Flat	11	24	1
3256−1	Washer − Flat	2	28	2
3256−3	Washer − Flat	19	7	4
3256−22	Washer − Flat	18	15	4
3256−22	Washer − Flat	25	19	2
3256−22	Washer − Flat	22	31	1
3256−22	Washer − Flat	19	41	2
3256−23	Washer − Flat	8	3	4
3256−23	Washer − Flat	3	11	2
3256−23	Washer − Flat	16	14	2
3256−23	Washer − Flat	11	28	1
3256−23	Washer − Flat	18	36	2
3256−23	Washer − Flat	31	45	1
3256−24	Washer − Flat	15	10	1
3256−24	Washer − Flat	11	14	1
3256−24	Washer − Flat	19	19	4
3256−24	Washer − Flat	2	35	2
3256−26	Washer − Flat	5	11	2
3256−26	Washer − Flat	31	31	8
3256−27	Washer − Flat	1	24	2
3256−49	Washer − Flat	8	35	1
3256−51	Washer − Flat	31	48	1
3256−74	Washer − Flat	29	48	2
3256−77	Washer − Flat	8	7	6
3257−42	Key − Woodruff	3	5	2
3257−42	Key − Woodruff	4	17	1
3269−15	Rivet − Pop	18	21	8
3272−6	Pin − Cotter	1	20	2
3272−11	Pin − Cotter	29	16	1
3272−11	Pin − Cotter	27	23	2
3272−11	Pin − Cotter	1	25	2
3272−37	Pin − Cotter	7	2	1
3273−26	Screw − HSH	11	6	2
3273−26	Screw − PPH	10	11	4
3274−1	Screw − HSH	19	20	2
3274−12	Screw − HSH	8	29	4
3274−39	Screw − HSBH	8	6	9
3274−39	Screw − HSBH	5	13	6
3274−63	Screw − HSBH	5	7	2
3274−80	Screw − HSBH	5	21	3
3290−93	Screw − HH	10	24	4
3290−277	Nut − Speed	5	25	6
3290−282	Rivet − Pop	8	34	1
3290−354	Plate − Nut	10	22	2
3290−357	Nut − Lock, Flange	31	20	3
3290−378	Tie − Cable	31	7	2
3290−378	Tie − Cable	10	12	2
3290−378	Tie − Cable	8	18	1
3290−378	Tie − Cable	15	31	7
3290−378	Tie − Cable	25	36	1
3290−378	Tie − Cable	18	37	1
3290−379	Tie − Cable	5	37	1
3290−382	Rivet − Pop	27	38	16
3290−382	Rivet − Pop	29	44	8
3290−415	Rivet − Pop	15	24	2
3290−488	Boot − Control, Lift	10	25	1
3290−489	Knob − Control, Lift	10	27	1
3296−2	Nut − Lock	15	17	2
3296−2	Nut − Lock	31	23	1
3296−4	Nut − Lock Elastic	22	14	1
3296−12	Nut − Lock	8	8	9
3296−13	Nut − Lock	22	27	1
3296−13	Nut − Lock	2	30	1
3296−19	Nut − Lock	29	13	1
3296−19	Nut − Lock	27	18	2
3296−27	Nut − Lock	11	4	1
3296−27	Nut − Lock	31	5	1
3296−27	Nut − Lock	11	18	2
3296−29	Nut − Lock	8	15	4
3296−29	Nut −Hex	22	25	1
3296−53	Nut − Hex	29	23	1
3296−67	Nut − Lock NI	7	9	1
32105−13	Screw − HH	15	18	2
32105−13	Screw − HH	31	22	1
32120−8	Ring − Retaining	28	7	1
32120−8	Ring − Retaining	30	7	1
32120−72	Ring − Retaining, Ext.	29	18	2
32121−6	Pin − Roll	29	31	2
32121−6	Pin − Roll	27	34	4
32121−7	Pin − Spring	8	11	2
32121−26	Pin − Slotted	27	44	4
32121−45	Roll Pin	2	5	1
32121−50	Pin − Roll	1	7	1
32128−20	Nut − Lock	2	25	2
32136−9	Nut − Hex	7	1	1
32144−14	Screw − HH	11	3	2
32144−14	Screw − HH	25	3	6
32144−14	Screw − HH	17	4	2
32144−14	Screw − HH	15	5	8
32144−14	Screw − HH	16	6	3
32144−14	Screw − HH	18	7	2
32144−14	Screw − HH	27	8	4
32144−14	Screw − HH	1	10	5
32144−14	Screw − HH	2	10	8
32144−14	Screw − HH	8	21	2
32144−14	Screw − HWH	31	44	3
32144−14	Screw − Hex. Washer Hd.	7	32	1
32144−21	Screw − PPH	5	28	2
32144−44	Screw − HWH	27	32	2
32144−44	Screw − HWH	29	33	1
32149−8	Nut − Keps	10	8	2
32151−13	Ring − Retaining	21	35	1
32151−29	Ring − Retaining	21	30	2
32151−41	Ring − Retaining	26	13	1
32151−104	Ring − Retaining, Ext.	7	12	2
33014−00	Nut − Hex	2	37	1
33023−00	Nut − Lock	1	1	2
33023−00	Nut − Lock	22	1	1
33023−00	Nut − Lock	15	3	8

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
33023−00	Nut − Lock	2	15	2
33023−00	Nut − Lock	11	27	1
33023−00	Nut − Lock	18	27	4
33023−00	Nut − Lock	19	45	2
33023−00	Nut − Lock NI	24	4	2
33023−00	Nut − Lock NI	10	19	2
33023−00	Nut − Lock NI	3	19	8
33023−00	Nut − Lock NI (Europe)	8	32	1
33023−016	Nut − Lock NI	25	18	2
33024−00	Nut − Lock	23	3	4
33024−00	Nut − Lock	1	8	1
33024−00	Nut − Lock	18	9	6
33024−00	Nut − Lock	19	13	2
33024−00	Nut − Lock	31	16	14
33024−00	Nut − Lock	2	17	4
33024−00	Nut − Lock	22	21	3
33024−00	Nut − Lock	25	33	1
33024−00	Nut − Lock NI	10	3	4
33024−00	Nut − Lock NI	11	5	1
33024−00	Nut − Lock NI	3	18	2
33025−00	Nut − Lock	15	9	1
33025−00	Nut − Lock	19	14	2
33025−00	Nut − Lock	2	33	1
33025−00	Nut − Lock	22	37	3
33025−00	Nut − Lock NI	11	13	1
33026−00	Nut − Lock	31	32	4
33113−008	Screw − HH	24	19	1
33113−012	Sctew − Hex. Hd.	8	36	1
33113−016	Screw − HH	15	12	6
33113−016	Screw − HH	17	18	3
33113−016	Screw − HH	18	22	4
33113−016	Screw − HH	8	22	2
33113−016	Screw − HH	31	26	4
33113−020	Screw − HH	3	16	8
33113−020	Screw − HH	25	17	2
33113−030	Screw − HH	22	3	1
33113−030	Screw − HH	15	15	2
33113−030	Screw − HH	10	18	2
33113−030	Screw − HH (Europe)	8	31	1
33113−050	Screw − HH	24	1	2
33113−050	Screw − HH	19	42	2
33114−016	Screw − Cap Hex. Hd.	29	49	2
33114−016	Screw − HH	13	12	2
33114−016	Screw − HH	16	15	2
33114−016	Screw − HH	18	28	3
33114−016	Screw − HH	2	32	4
33114−020	Screw − HH	10	2	4
33114−020	Screw − HH	23	4	8
33114−020	Screw − HH	1	9	1
33114−020	Screw − HH	19	11	6
33114−020	Screw − HH	31	15	14
33114−020	Screw − HH	18	18	5
33114−020	Screw − HH	22	24	1
33114−020	Screw − HH	31	25	3
33114−020	Screw − HH	25	35	1
33114−025	Screw − HH	22	22	1
33114−025	Screw − HH	23	25	6
33114−030	Screw − HH	19	12	2
33114−030	Screw − HH	3	17	2
33114−030	Screw − HH	22	23	1
33114−070	Screw − HH	31	12	1
33115−016	Screw − HH	2	36	1
33115−020	Screw − HH	31	8	5
33115−020	Screw − HH	16	16	3
33115−020	Screw − HH	17	16	6
33115−035	Screw − HH	22	33	3
33115−040	Screw − HH	15	8	1
33115−040	Screw − HH	11	12	1
33115−040	Screw − HH	19	15	2
33115−090	Screw − HH	2	14	1
33116−060	Screw − HH	3	20	8
33116−130	Screw − HH	31	30	4
33123−016	Screw − Carriage	1	6	2
33124−020	Screw − Carr.	2	6	2
340−2	Fitting − Hydraulic	17	2	1
340−2	Fitting − Hydraulic	24	16	1
340−4	Fitting − Hydraulic	24	8	2
340−7	Fitting − Hydraulic	13	2	1
340−8	Fitting − Hydraulic	19	17	2
340−9	Fitting − Hydraulic	17	7	1
340−9	Fitting − Hydraulic	13	8	1
340−14	Fitting − 45˚	3	9	4
340−14	Fitting − Hydraulic	13	35	1
340−17	Fitting − Hydraulic 90˚	13	5	1
340−17	Fitting − Hydraulic 90˚	19	18	1
340−18	Fitting − Hydraulic 90˚	19	3	1
340−18	Fitting − Hydraulic 90˚	19	21	1
340−70	Nut − Bulkhead	25	2	1
340−74	Nut − Bulkhead	25	1	4
340−74	Nut − Bulkhead	24	10	4
340−77	Fitting − Hydraulic 90˚	13	6	1
340−77	Fitting − Hydraulic 90˚	19	38	1
340−92	Fitting − Hydraulic	24	7	4
340−92	Fitting − Hydraulic	13	9	1
340−92	Fitting − Hydraulic	25	12	1
340−94	Fitting − Tee	19	43	1
340−98	Fitting − Hydraulic 90˚	24	6	2
340−98	Fitting − Hydraulic 90˚	25	13	2
340−103	Fitting − Hydraulic 45˚	13	10	1
340−115	Fitting − Tee	19	36	1
340−132	Fitting − Hydraulic	7	15	2
340−132	Fitting − Hydraulic 90˚	29	1	1
340−132	Fitting − Hydraulic 90˚	27	2	4
340−132	Fitting − Hydraulic 90˚	13	7	1
340−133	Fitting − Hydraulic	5	17	2
340−138	Fitting − Hydraulic 45˚	13	3	1
340−140	Tee − Hydraulic	13	11	1
351−78	Edging	8	39	1
351−80	Clip − Edging	8	42	1
353−599	Pin−Dowel	26	3	2
353−988	Plug	17	19	1
353−988	Plug	19	22	1
353−988	Plug	14	10	1
353−989	Plug	14	6	6
353−991	Plug	24	5	1
353−991	Plug	14	4	9
354−46	Ring−Seal	26	8	1
354−50	Screw−Hex Socket Hd.	26	1	4
354−51	Washer	26	2	4
354−70	Plug	14	17	2
354−73	Fitting − Hydraulic, Barb	17	9	2
354−78	Fitting − Hydraulic	17	1	1

*Not Illustrated

PRODUCT CHANGES

In an effort to make improvements available to TORO owners as quickly as possible, minor changes are incorporated into Toro's products from time to time that do not become immediately shown in the Parts Catalog. If such a change has been made in your unit, which is not reflected in your manual, see your TORO Distributor or his Authorized TORO Service Dealer for information and part numbers.

IDENTIFICATION AND ORDERING

MODEL AND SERIAL NUMBERS

The Greensmaster 3200D has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the left hand frame rail. In any correspondence concerning the Greensmaster 3200D, supply model and serial numbers to assure that correct information and replacement parts are obtained.

To order replacement parts from an Authorized TORO Service Dealer, supply the following information:
1. Model and serial number of the Greensmaster 3200D.
2. Part number, description, and the quantity of part(s) desired.

NOTE: Do not order by reference number if a parts catalog is being used; use the PART NUMBER.

TABLE OF CONTENTS

Description	Page
Frame & Brake Pedal Assembly	1
Floor Panel & Traction Pedal Assembly	2
Front Wheel & Brake Assembly	3
Hydraulic Drive Motor Assembly No. 92–9199	4
Steering Arm Assembly	5
Steering Control Valve No. 93–2120	6
Rear Wheel Assembly	7
Seat Assembly	8
Electrical Schematic	9
Control Panel Assembly	10
Traction Handle Assembly	11
Hydraulic Schematic	12
Manifold Installation Assembly	13
Manifold Assembly No. 93–4420	14
Electronics Installation Assembly	15
Fuel Tank Assembly	16
Hydraulic Reservoir Assembly	17
Radiator Assembly	18
Hydraulic Pump & Hydrostat Assembly	19
Gear Pump Assembly No. 95–0533	20
Hydrostat Assembly No. 98–4609	21
Neutral System Assembly	22
Muffler & Air Cleaner Assembly	23
Reel Motor Installation Assembly – RH & LH	24
Reel Motor Installation Assembly – Rear	25
Reel Motor Assembly No. 93–1375	26
Pull Frame Assembly – RH & LH	27
Hydraulic Cylinder No. 98–4650	28
Pull Frame Assembly – Rear	29
Hydraulic Cylinder No. 94–6357	30
Engine Installation Assembly	31
Cylinder Block Assembly	32
Crankshaft Assembly	33
Cylinder Head Assembly	34
Rocker Arm Assembly	35
Camshaft Assembly	36
Timing Cover Assembly	37
Oil Pump Assembly	38
Fuel Injection System Assembly	39
Injection Pump Assembly	40
Flywheel Assembly	41
Starter Installation Assembly	42
Oil Sump Assembly	43
Valve Cover Assembly	44
Oil Filter & Exhaust Manifold Assemblies	45
Water Pump Assembly	46
Alternator Assembly	47
Timing Cover Plate Assembly	48
Low Pressure Fuel System & Throttle Stop Assemblies	49
Lift Pump Assembly	50
Fuel Filter Assembly	51
Engine Lifting Tab & Cold Start Assemblies	52
Tachometer & Hour Recorder Drive Assembly	53
Gasket and Seals	54
TORO Part Number Index	55–60

MAINTENANCE RECORD

Date								

MAINTENANCE RECORD

Date								

MAINTENANCE RECORD

Date								