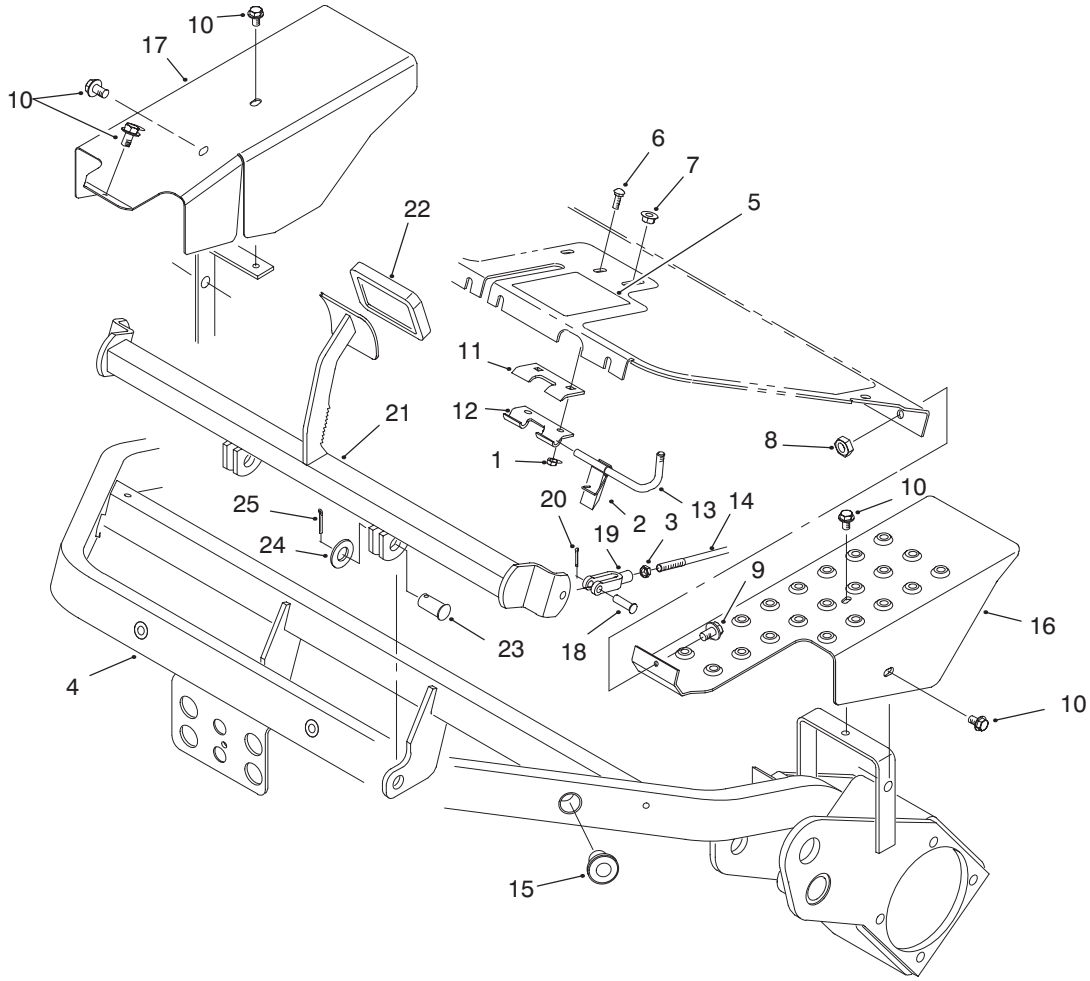
FORM NO. 3317–790 Rev. B

TORO®

MODEL NO. 04381–60001 & UP

PARTS CATALOG

GREENSMASTER 3200D
TRACTION UNIT



T–2222A

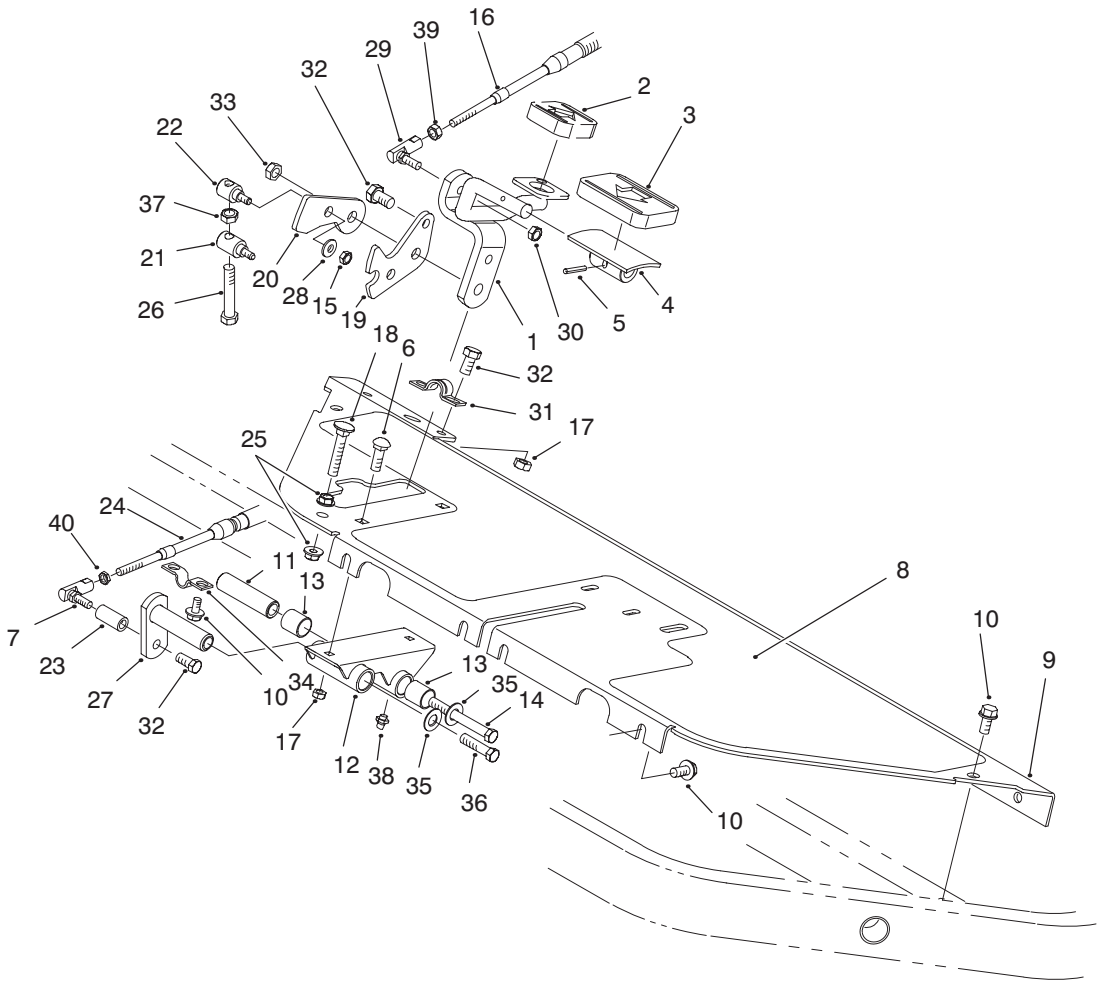
FRAME & BRAKE PEDAL ASSEMBLY

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	32141–111	Nut – Adjustable	1
8	33024–00	Nut – Lock	1
9	33114–020	Screw – HH	1
10	32144–14	Screw – HH	5
11	10–7880	Hinge – Upper	1
12	10–7890	Hinge – Lower	1
13	93–2080	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 –1995
All Rights Reserved

TPS



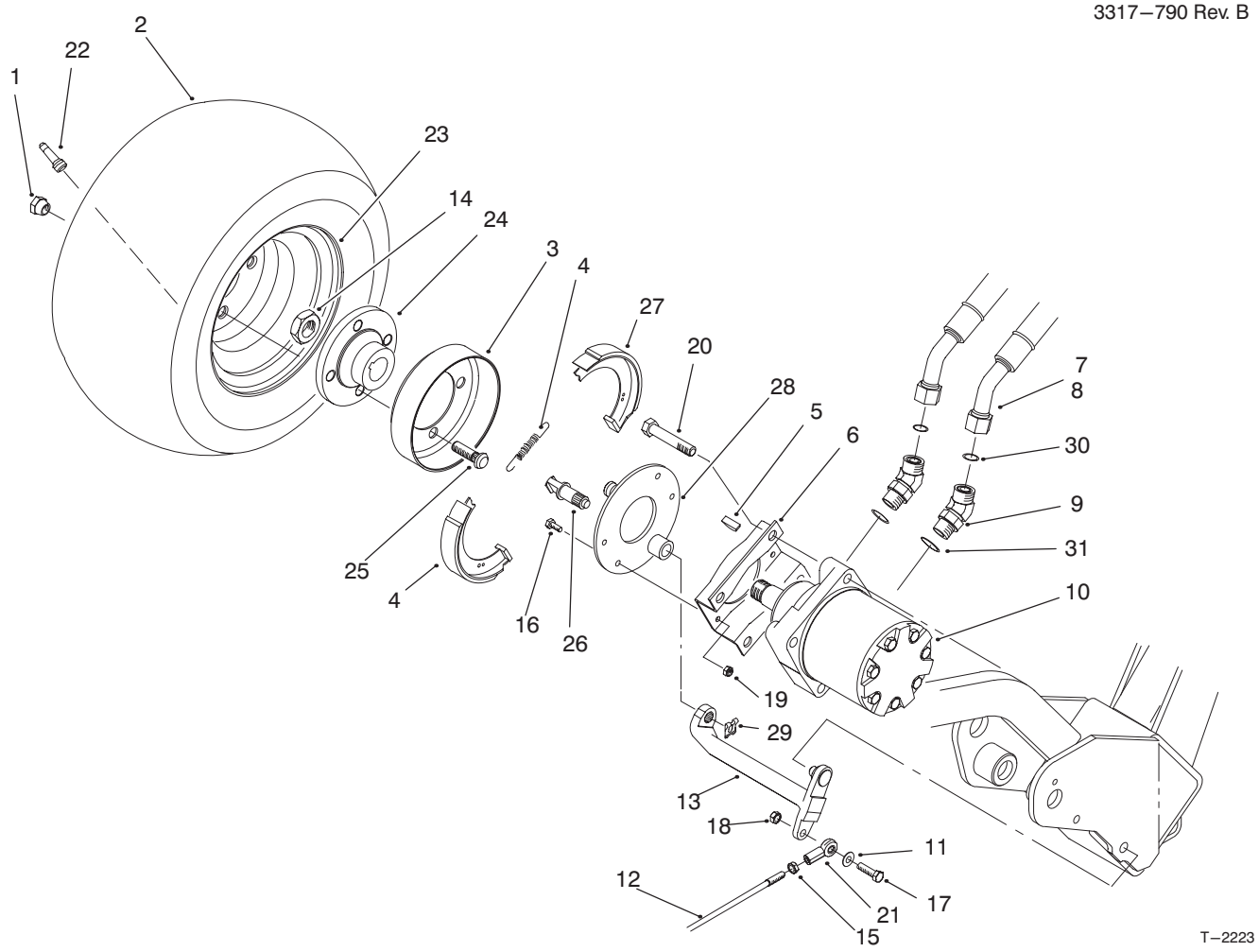
T–2242B

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	93–2141	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

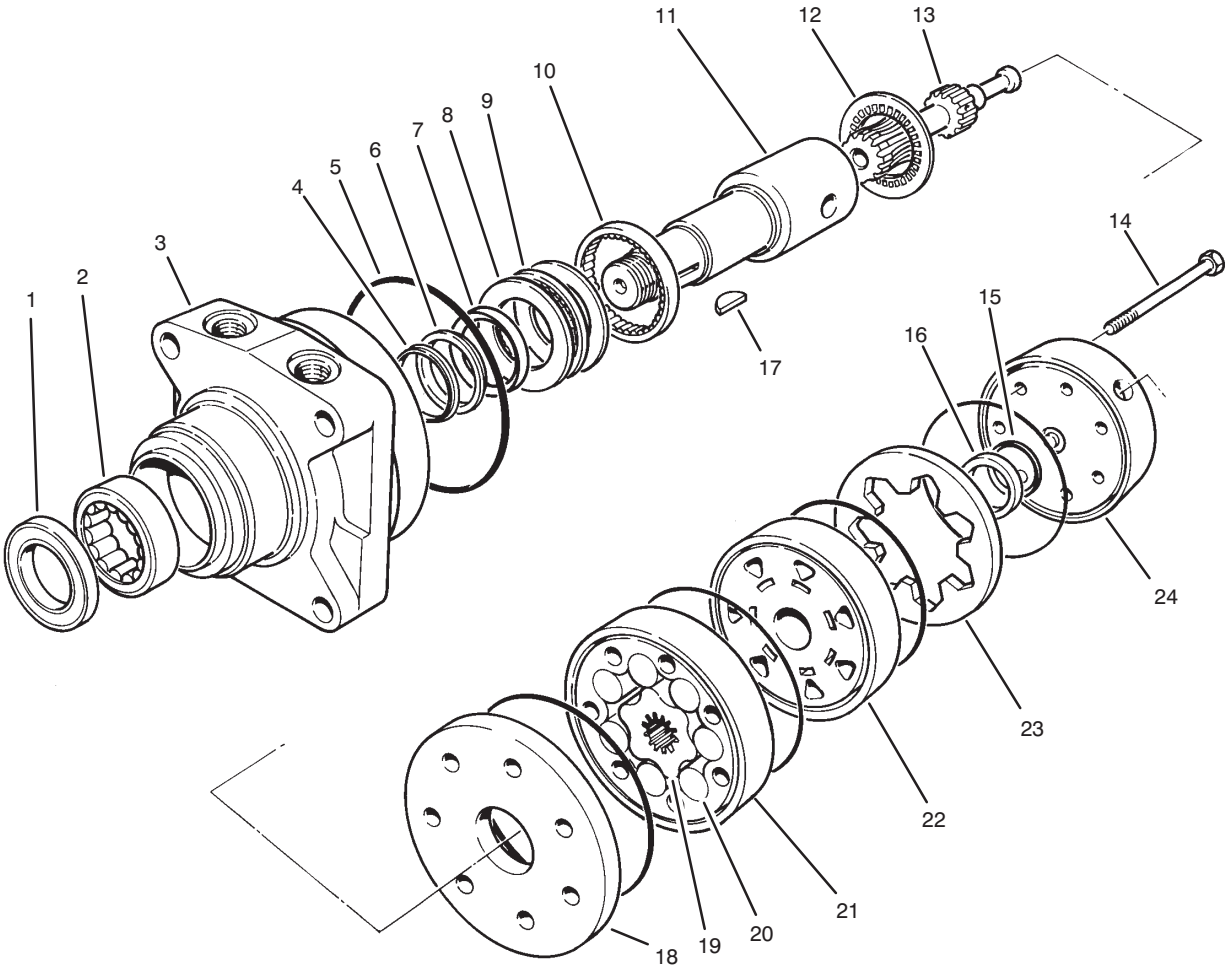
* Not Illustrated.



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
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



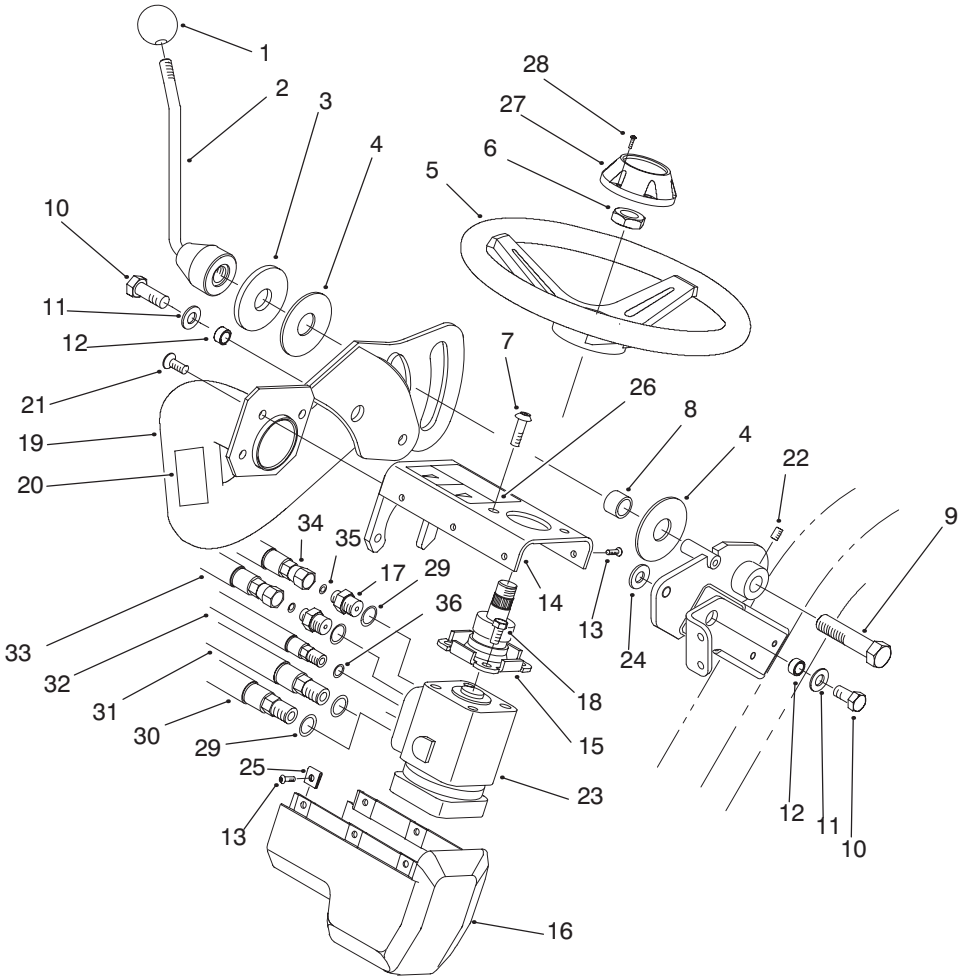
T–0983

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
*	76–0800	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

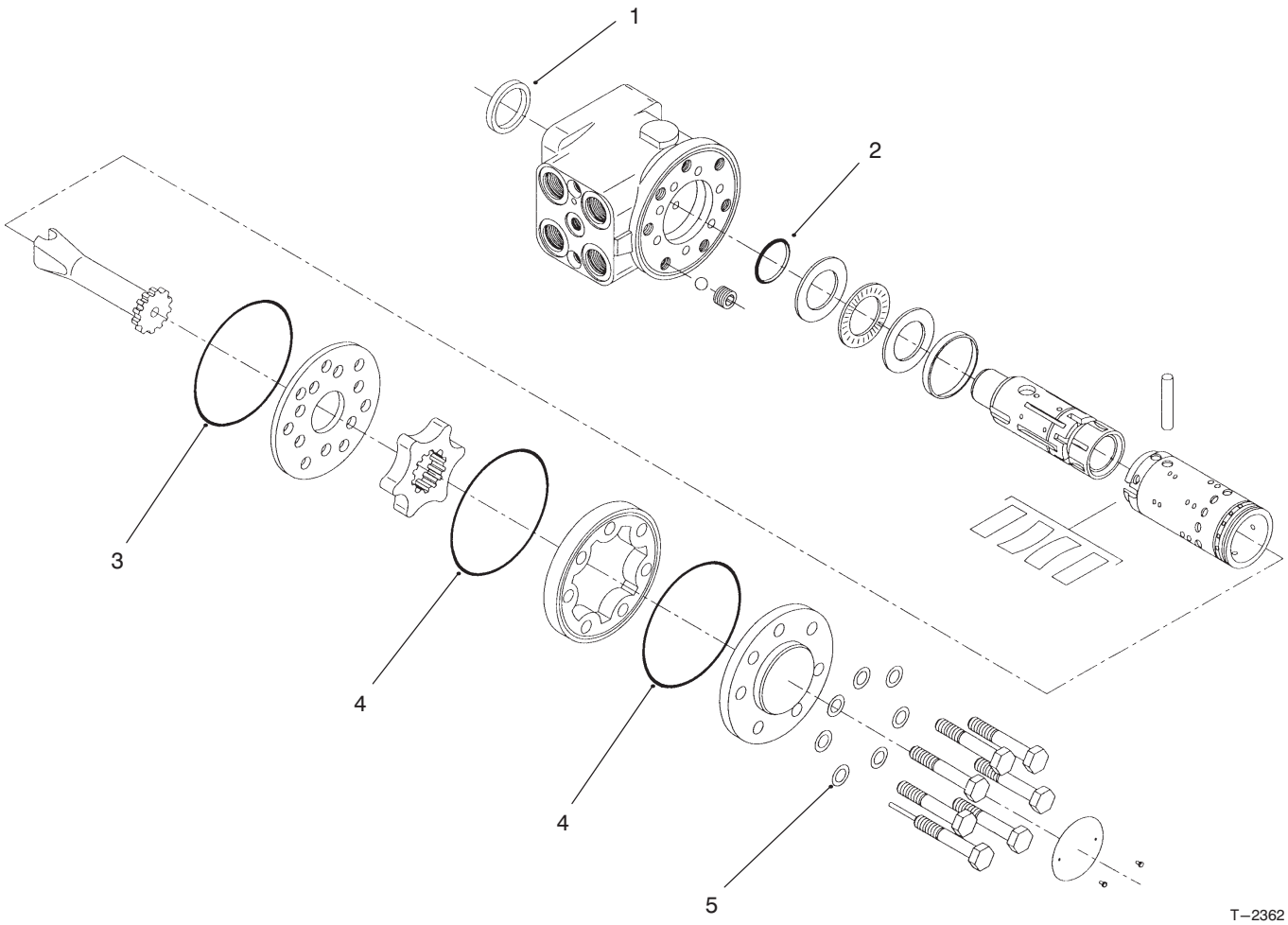


T−2224

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	94−3461	Steering Cover	1
15	83−1420	Steering Column Assembly	1
16	83−0810	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	3242−2	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

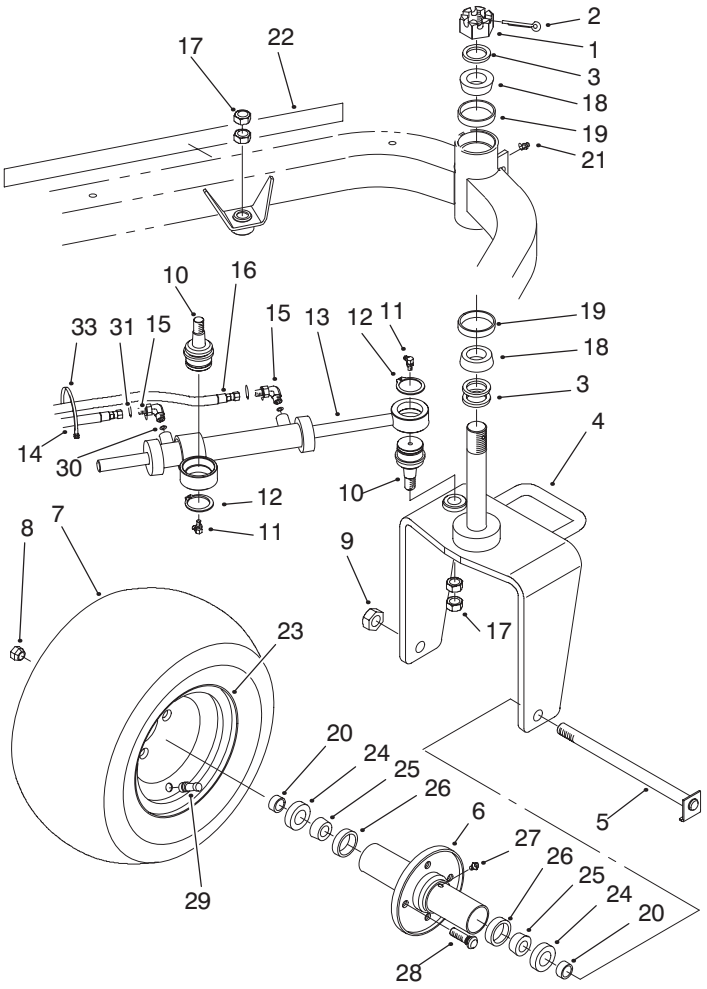


STEERING CONTROL VALVE NO. 93–2120

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



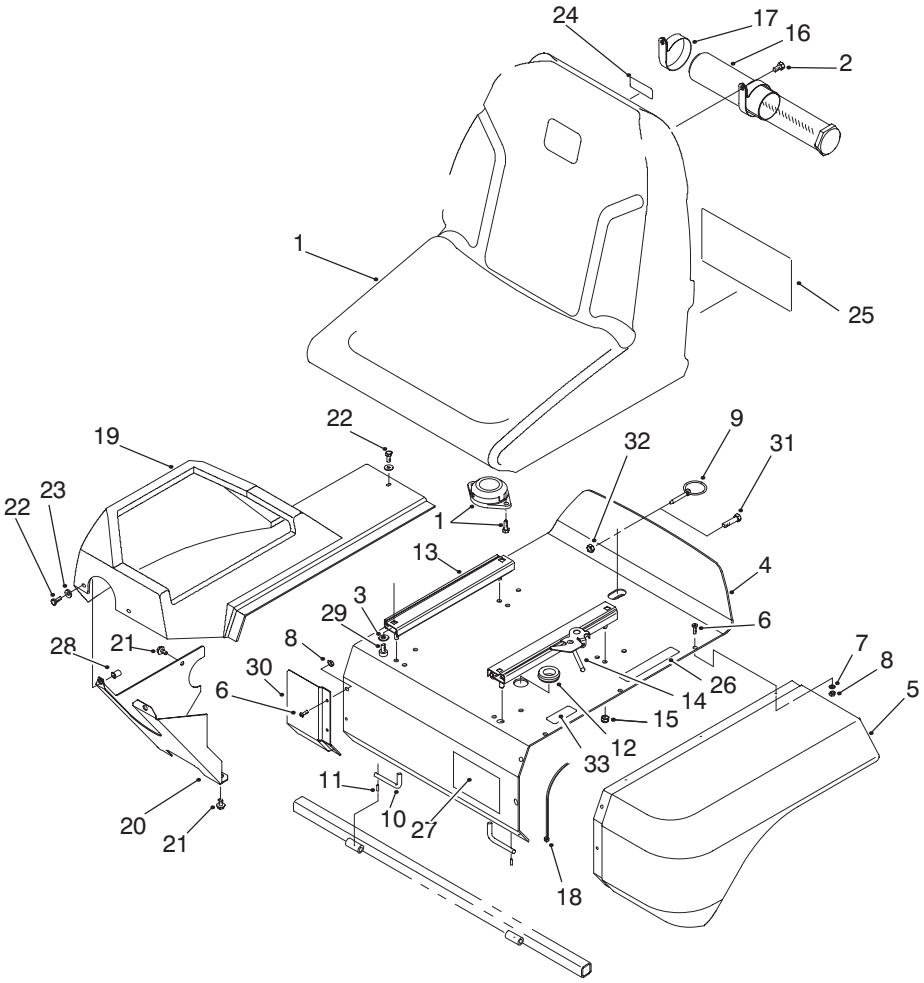
T–2225

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

Ref. No.	Part No.	Description	No. Used
17	3220–6	Nut – Jam	4
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	94–4398	Kit – Seal, Repair	1
33	3290–378	Tie – Cable	1

*Not Illustrated



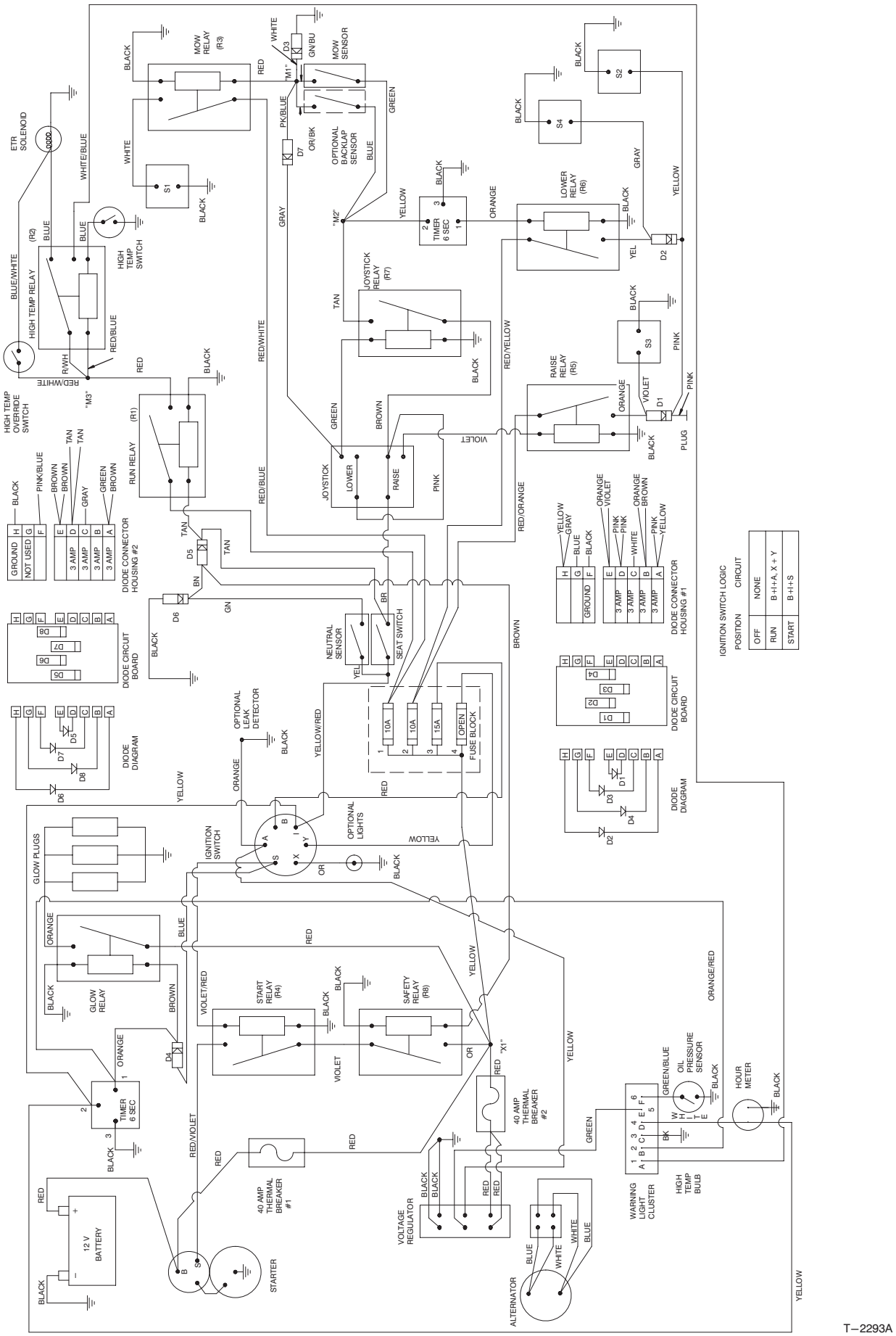
T−2226B

SEAT ASSEMBLY

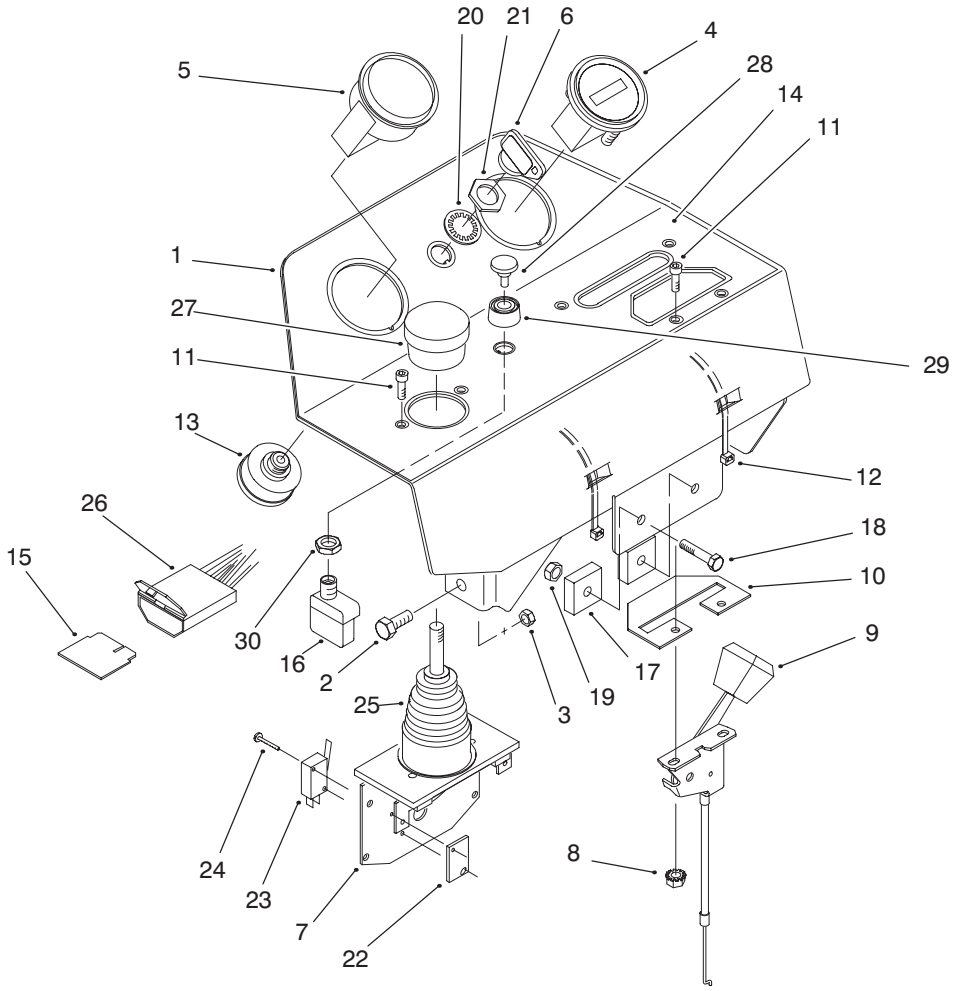
Ref. No.	Part No.	Description	No. Used
1	92−6280	Seat	1
2	322−2	Screw − HH	2
3	3256−23	Washer − Flat	4
4	93−2135	Support − Seat	1
5	93−2128	Panel − Seat Base	1
6	3274−39	Screw − HSBH	9
7	3256−77	Washer − Flat	6
8	3296−12	Nut − Lock	9
9	283−72	Pin − Lynch	1
10	93−2422	Rod − Seat Pivot	2
11	32121−7	Pin − 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	3
23	3256−1	Washer − Flat	3

Ref. No.	Part No.	Description	No. Used
24	93−6686	Decal − Hydraulic Oil	1
25	94−1351	Decal − Service	1
25	94−4561	Decal − Service (Danish)	1
25	94−4562	Decal − Service (Dutch)	1
25	94−4563	Decal − Service (Finnish)	1
25	94−4564	Decal − Service (French)	1
25	94−4565	Decal − Service (German)	1
25	94−4566	Decal − Service (Italian)	1
25	94−4567	Decal − Service (Japanese)	1
25	94−4568	Decal − Service (Norwegian)	1
25	94−4569	Decal − Service (Portuguese)	1
25	94−4570	Decal − Service (Spanish)	1
25	94−4571	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

ELECTRICAL SCHEMATIC



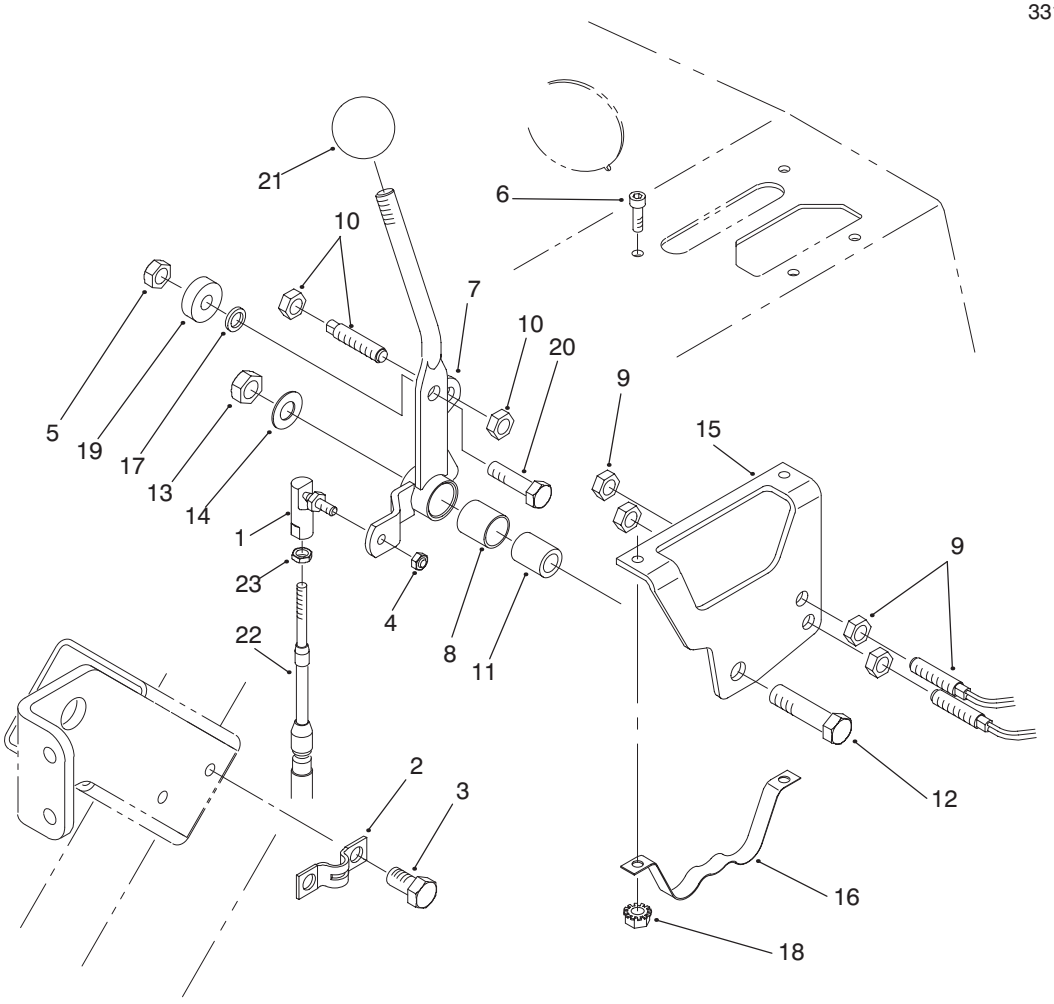
T−2293A



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	75−3420	Lever − Control	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
16	72−9760	Switch − Override (Incl. Ref. #30)	1

Ref. No.	Part No.	Description	No. Used
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

TRACTION HANDLE ASSEMBLY

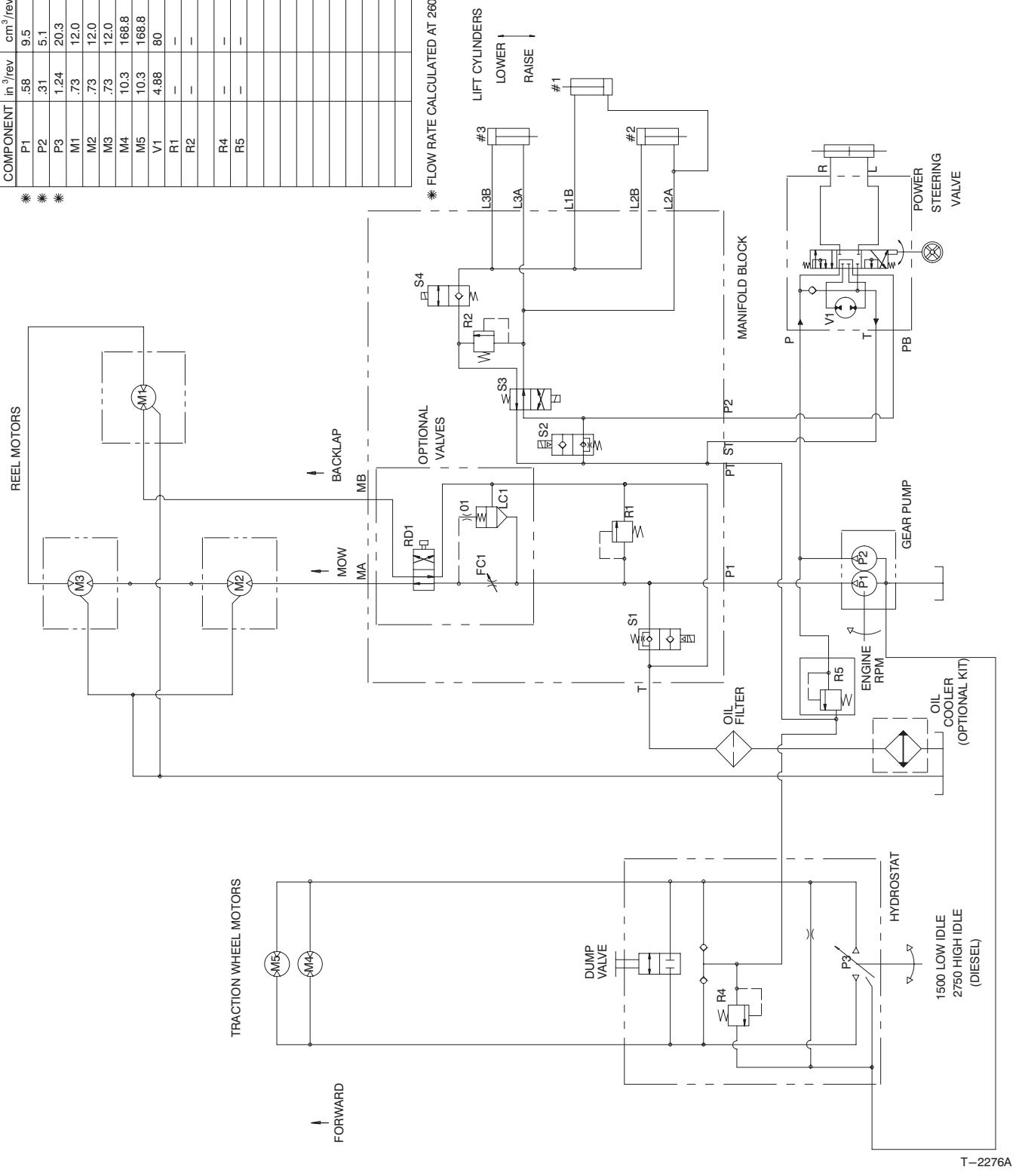
Ref. No.	Part No.	Description	No. Used
1	2411–38	Ball Joint	1
2	93–2279	Clamp – Cable	1
3	33113–008	Screw – HH	2
4	3296–27	Nut – Lock	1
5	33024–00	Nut – Lock NI	1
6	3273–26	Screw – HSH	2
7	94–1353	Handle	1
8	256–311	Bushing – Straight	1
9	93–2055	Reed Switch – Sensor	2
10	93–2056	Reed Switch – Actuator	1
11	94–1378	Tube – Handle Pivot	1
12	33115–040	Screw – HH	1

Ref. No.	Part No.	Description	No. Used
13	33025–00	Nut – Lock NI	1
14	3256–24	Washer – Flat	1
15	93–2058	Bracket – Traction	1
16	93–2064	Spring – Detent	1
17	75–5470	Spacer	1
18	32149–8	Nut – Keps	2
19	251–259	Bearing – Ball	1
20	33114–030	Screw – HH	1
21	233–42	Knob	1
22	94–1304	Cable – Neutral Lock (Incl. Ref. #23)	1
23	3219–14	Nut – Jam	1

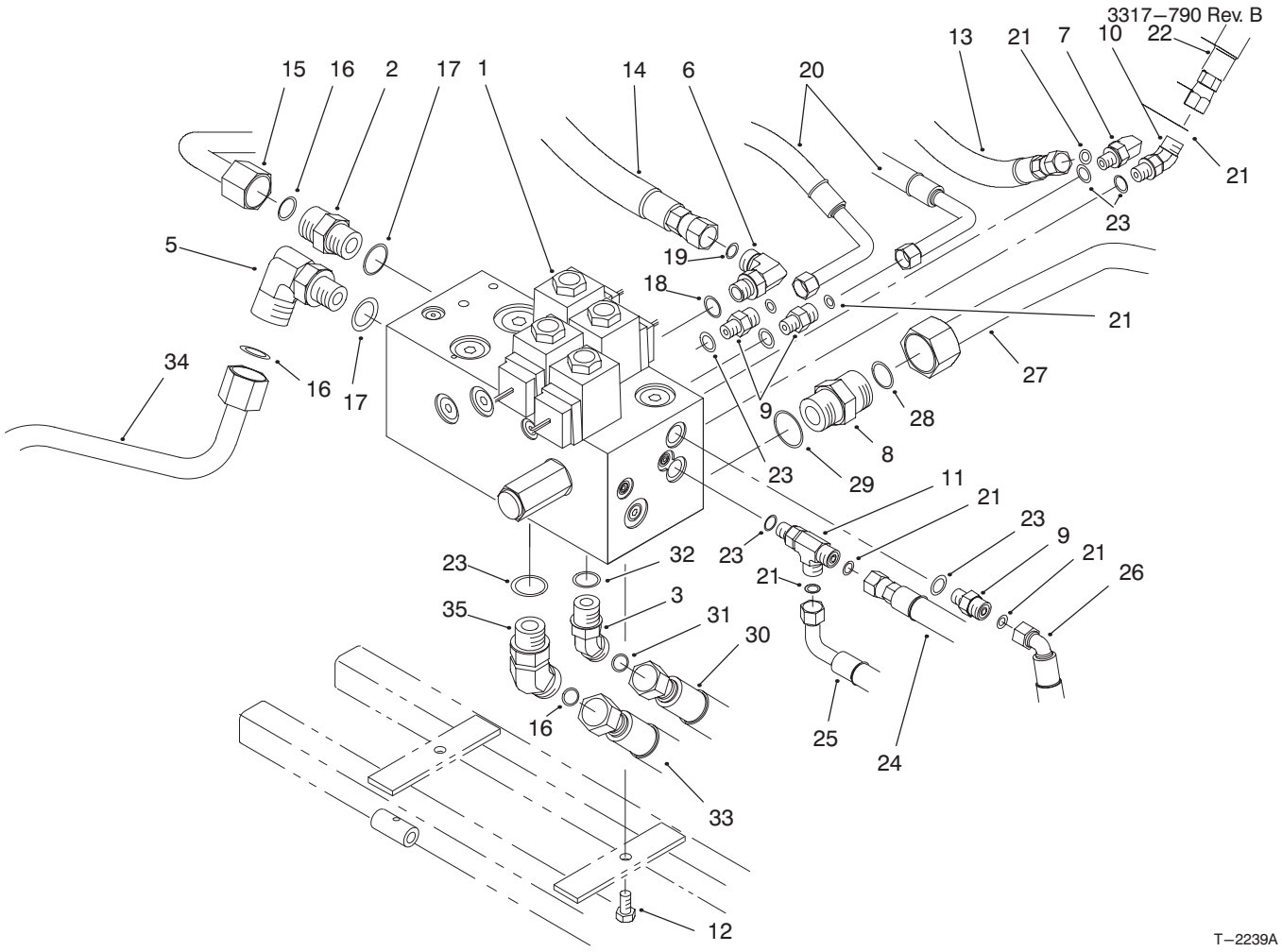
HYDRAULIC SCHEMATIC

DISPLACEMENT, FLOW RATE, AND PRESSURE CHART						
	DISPLACEMENT		PRESSURE		FLOW RATE	
COMPONENT	in^3/rev	cm^3/rev	lbs/in^2	BARS	GPM	LPM
P1	.58	9.5	–	–	6.4	24.2
P2	.31	5.1	–	–	3.4	12.7
P3	1.24	20.3	–	–	13.7	51.8
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	–	–	150	10	–	–
R4	–	–	100	7	–	–
R5	–	–	1000	69	–	–

✳✳✳ ✳ FLOW RATE CALCULATED AT 2600 RPM AND 98% EFFICIENCY



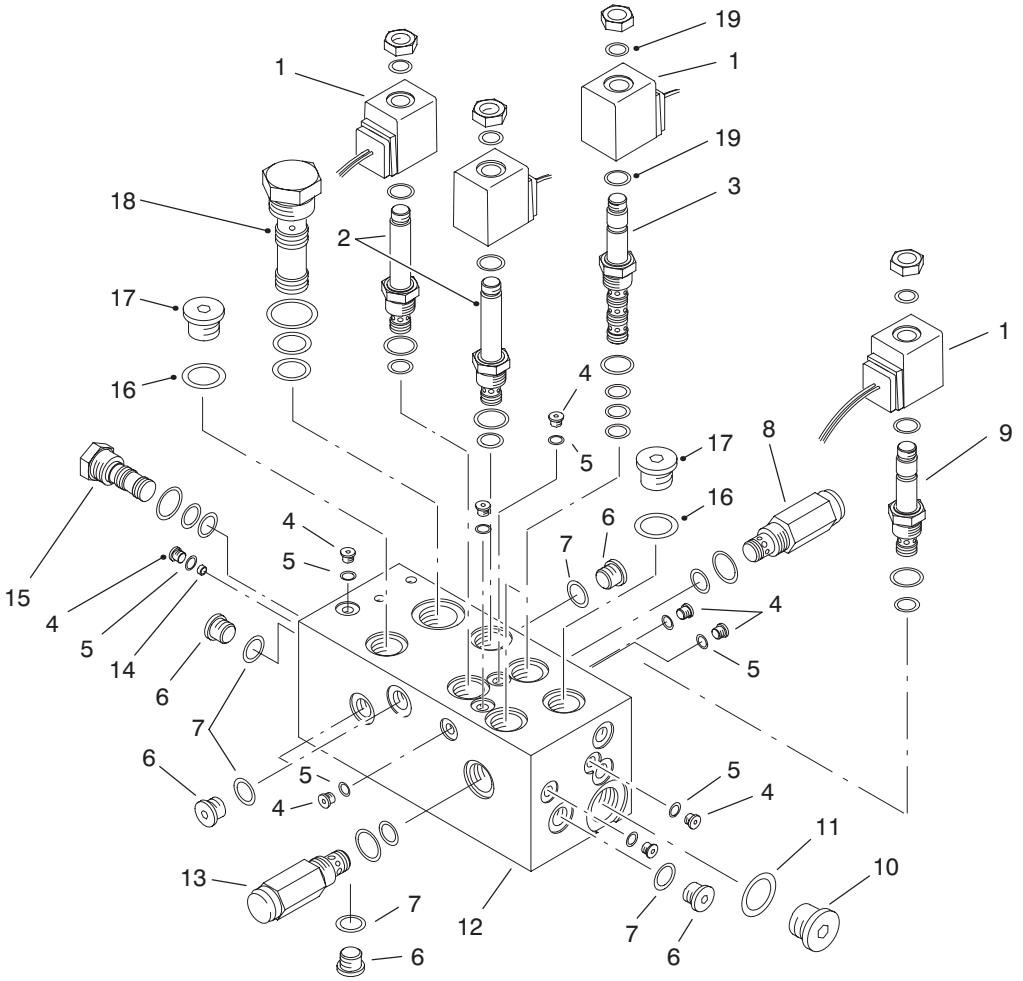
T–2276A



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)	3
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

Ref. No.	Part No.	Description	No. Used
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



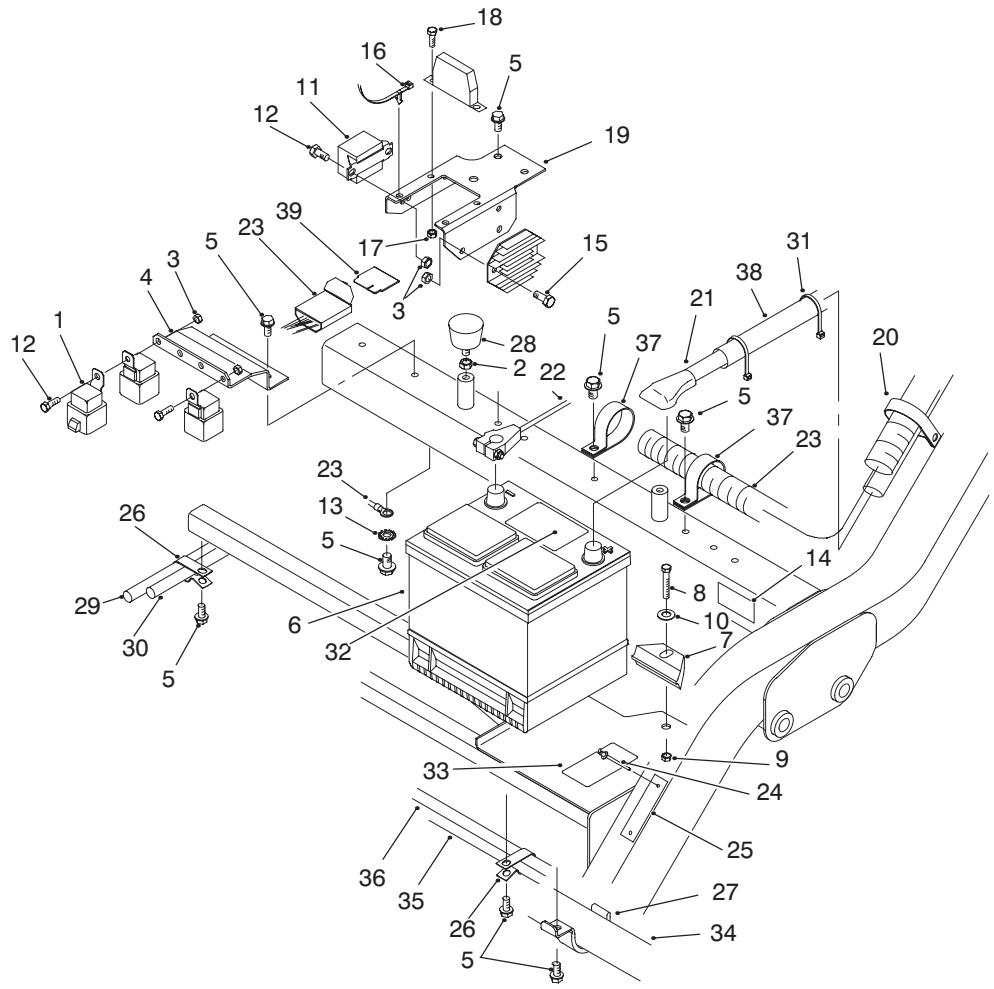
T−2251

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 2000 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	94−6354	Plug − Orifice	1
15	94−6353	Cartridge Valve Assembly (Use Seal Kit #69−4240)	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
*	69−4240	Seal Kit	1
*	75−2090	Seal Kit	1
*	94−3661	Seal Kit	1

*Not Illustrated
†Not serviced separately

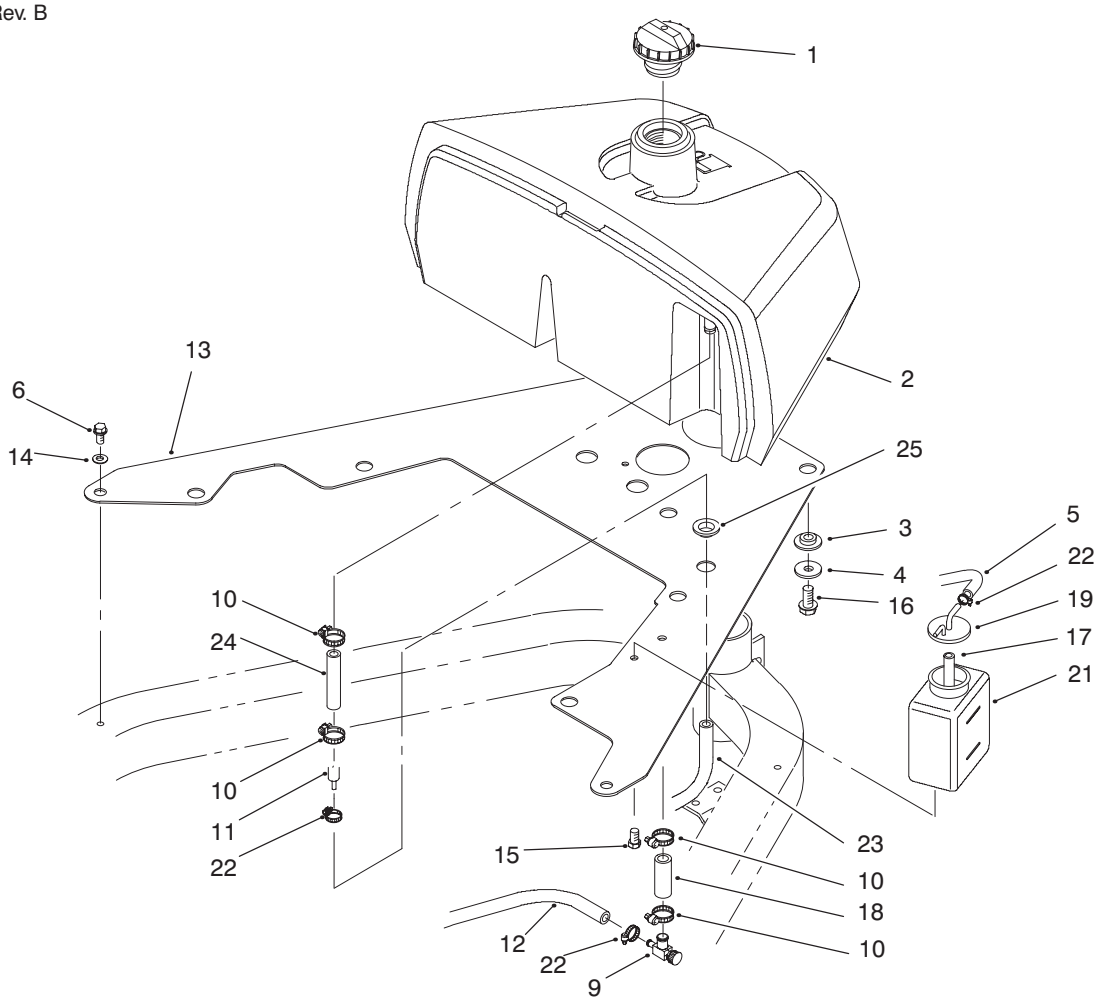


ELECTRONICS INSTALLATION ASSEMBLY

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	13
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	88–1270	Decal – Safety	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
20	2412–104	Clamp – R	3

Ref. No.	Part No.	Description	No. Used
21	93–2343	Cable – Battery Positive	1
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	2
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
37	2412–39	Clamp – R	2
38	94–4519	Tube – Convoluted	1
39	92–3188	Diode – Circuit Board	1

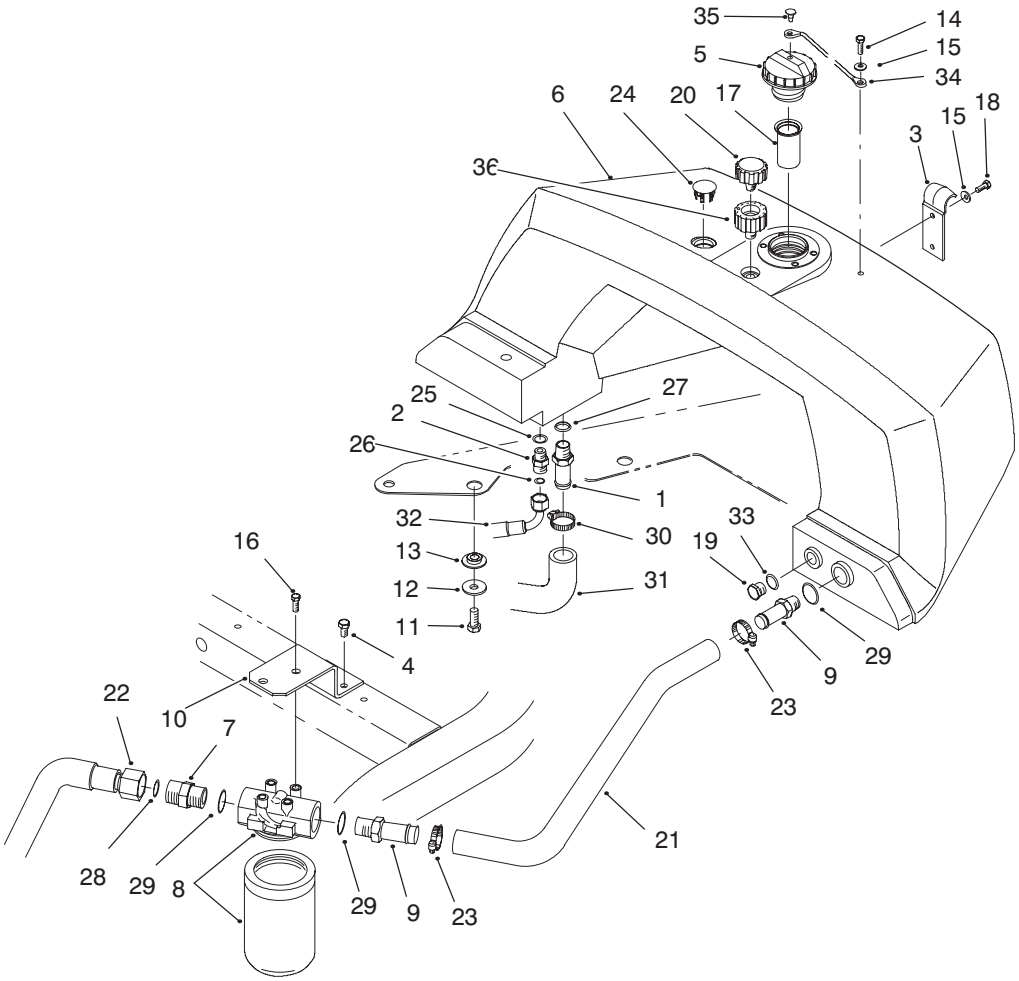
†Not serviced



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	63−8410	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

Ref. No.	Part No.	Description	No. Used
14	3256−23	Washer − Flat	2
15	33114−016	Screw − HH	2
16	33115−025	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	3
23	93−2298	Hose − Fuel	1
24	56−2230	Hose − Fuel	1
25	237−124	Grommet	1



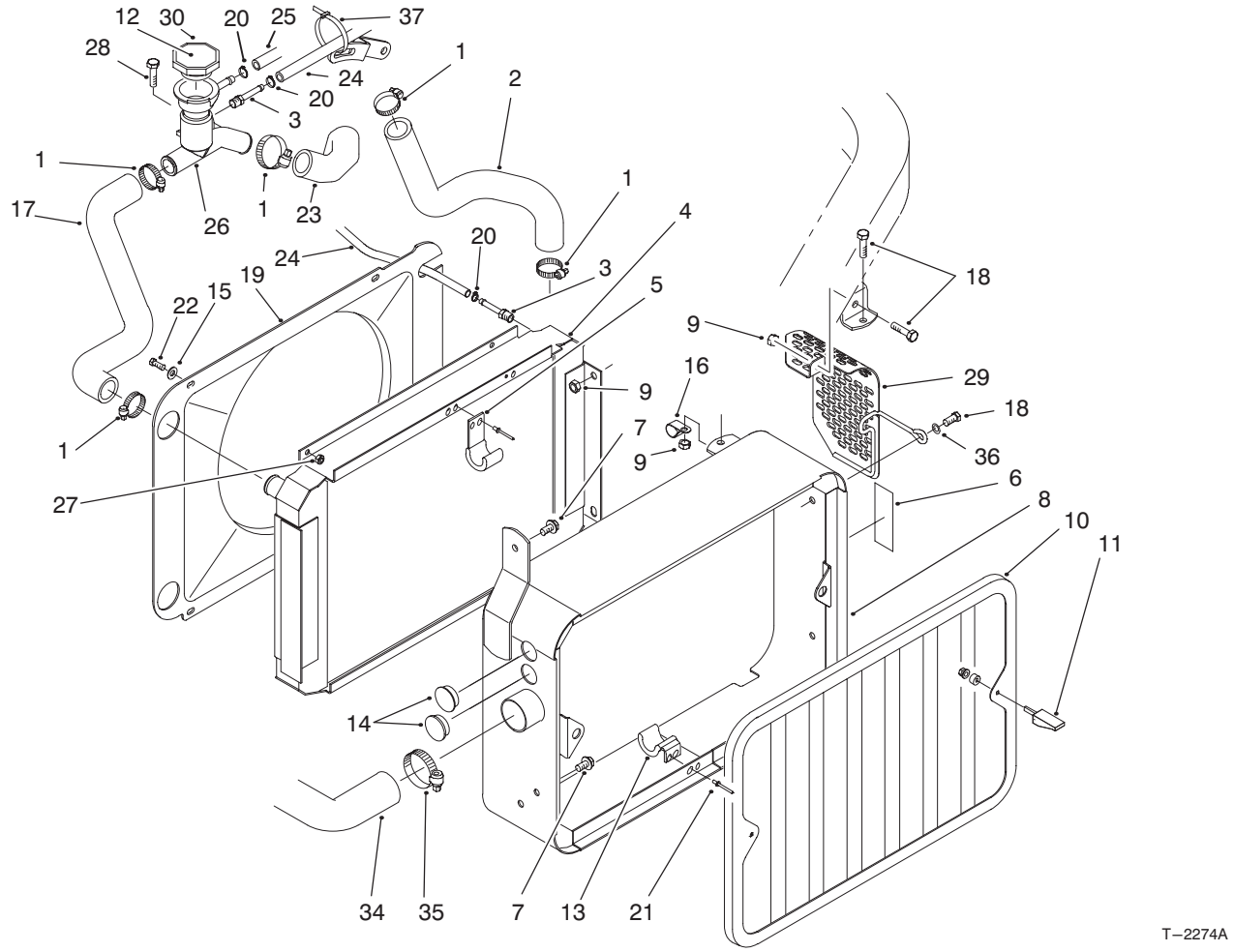
T–2272A

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	1
9	354–73	Fitting – Hydraulic, Barb (Incl. Ref. #29)	2
10	93–2236	Mount – Oil Filter	1
11	33115–025	Screw – HH	4
12	63–8410	Washer – Flat	4
13	240–11	Grommet	4
14	33113–016	Screw – HH	1
15	3256–1	Washer – Flat	3
16	33115–020	Screw – HH	2

Ref. No.	Part No.	Description	No. Used
17	93–2275	Screen – Filler	1
18	33113–016	Screw – HH	2
19	353–988	Plug (Incl. Ref. 33)	1
20	68–6150	Breather – Air	1
21	94–4517	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

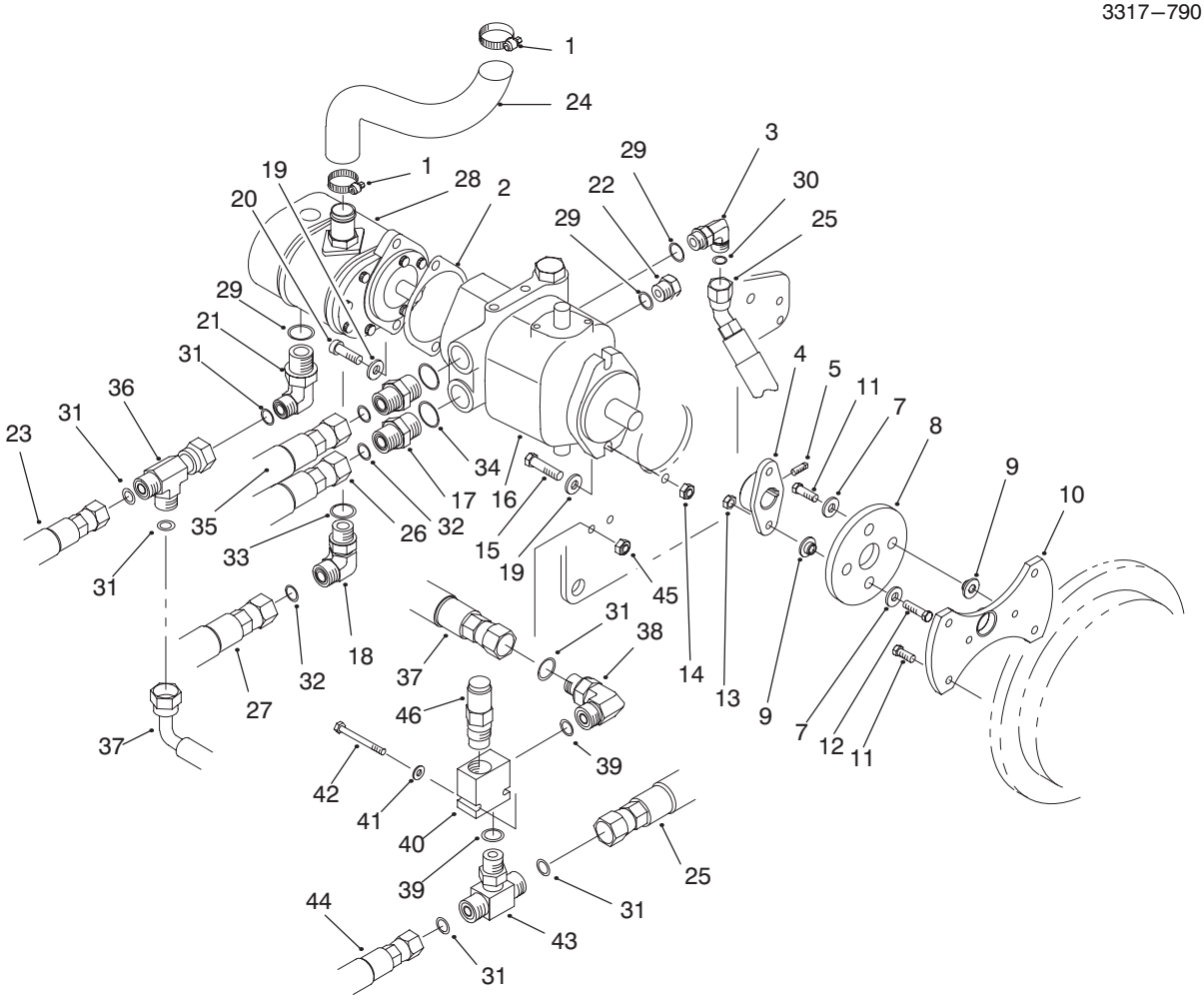
†Not serviced serarately



RADIATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412–34	Clamp – Hose	5
2	93–2031	Hose – Radiator	1
3	93–2071	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	93–2310	Radiator Support	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
16	2412–41	Clamp – R	1
17	93–2018	Hose – Radiator	1

Ref. No.	Part No.	Description	No. Used
18	33114–020	Screw – HH	6
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	2
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	1
37	3290–378	Tie – Cable	1



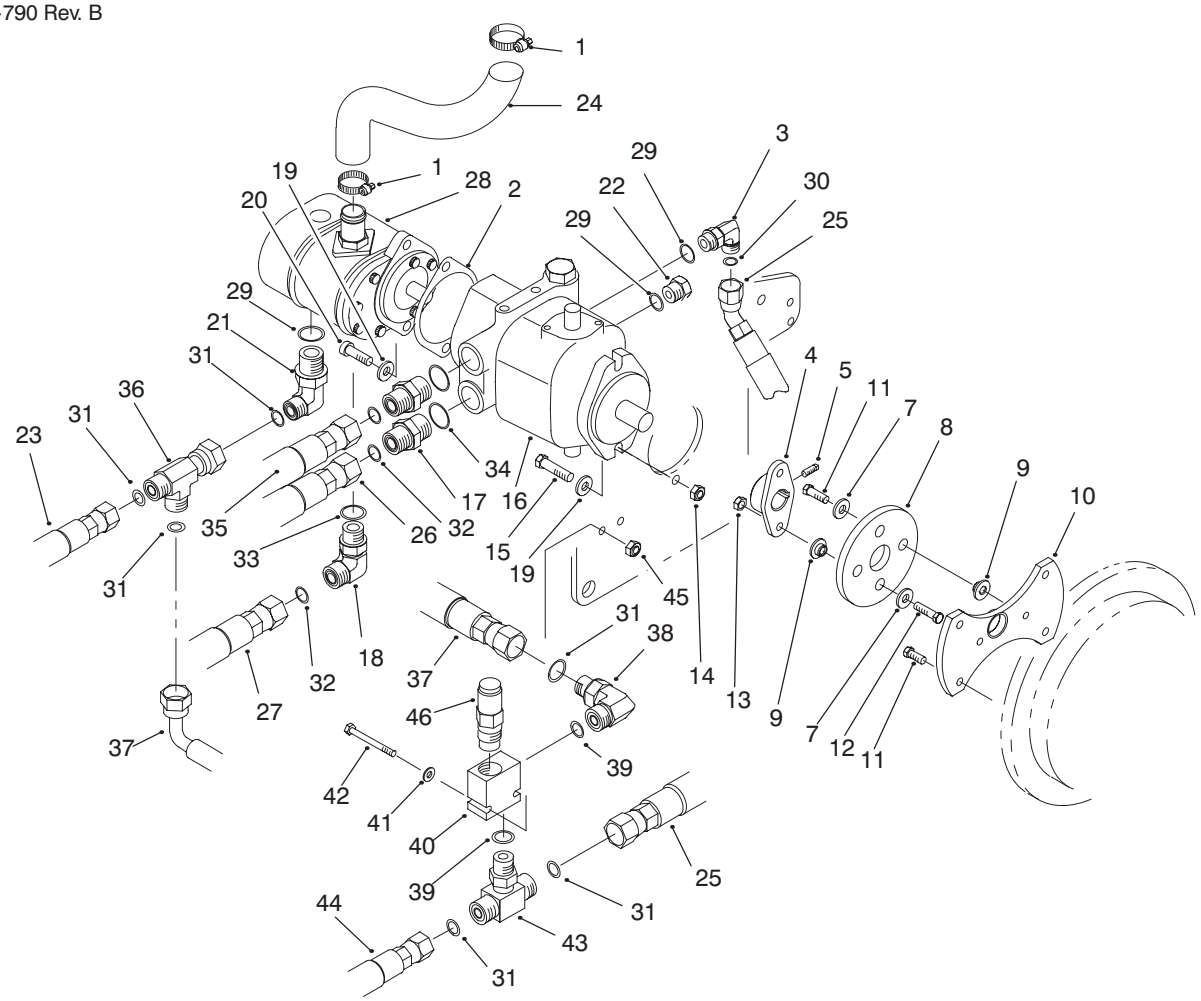
T−2270B

HYDRAULIC PUMP & HYDROSTAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412−34	Clamp − Hose	2
2	94−6358	Gasket (Serial No. 60001−60473)	1
*	94−8168	O−Ring (Serial No. 60474 & Up)	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	93−2586	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

Ref. No.	Part No.	Description	No. Used
21	340−18	Fitting − Hydraulic 90° (Incl. Ref. #29 & 31)	1
22	353−988	Plug (Incl. Ref. #29)	1
23	93−2252	Hose Assembly	1
24	93−2068	Hose − Pump Inlet (Serial No. 60001−60473)	1
*	94−8174	Hose − Pump Inlet (Serial No. 60474 & Up)	1
25	94−6384	Hose Assembly	1
26	94−5355	Hose Assembly	1
27	94−1332	Hose Assembly	1
28	93−2587	Gear Pump − 2 Section (Incl. Ref. #2) (Serial No. 60001−60473)	1
*	94−6390	Gear Pump − 2 Section (Serial No. 60474 & Up)	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	94−8167	Hose Assembly	1
38	340−77	Fitting − Hydraulic 90°	1

* Not Illustrated.

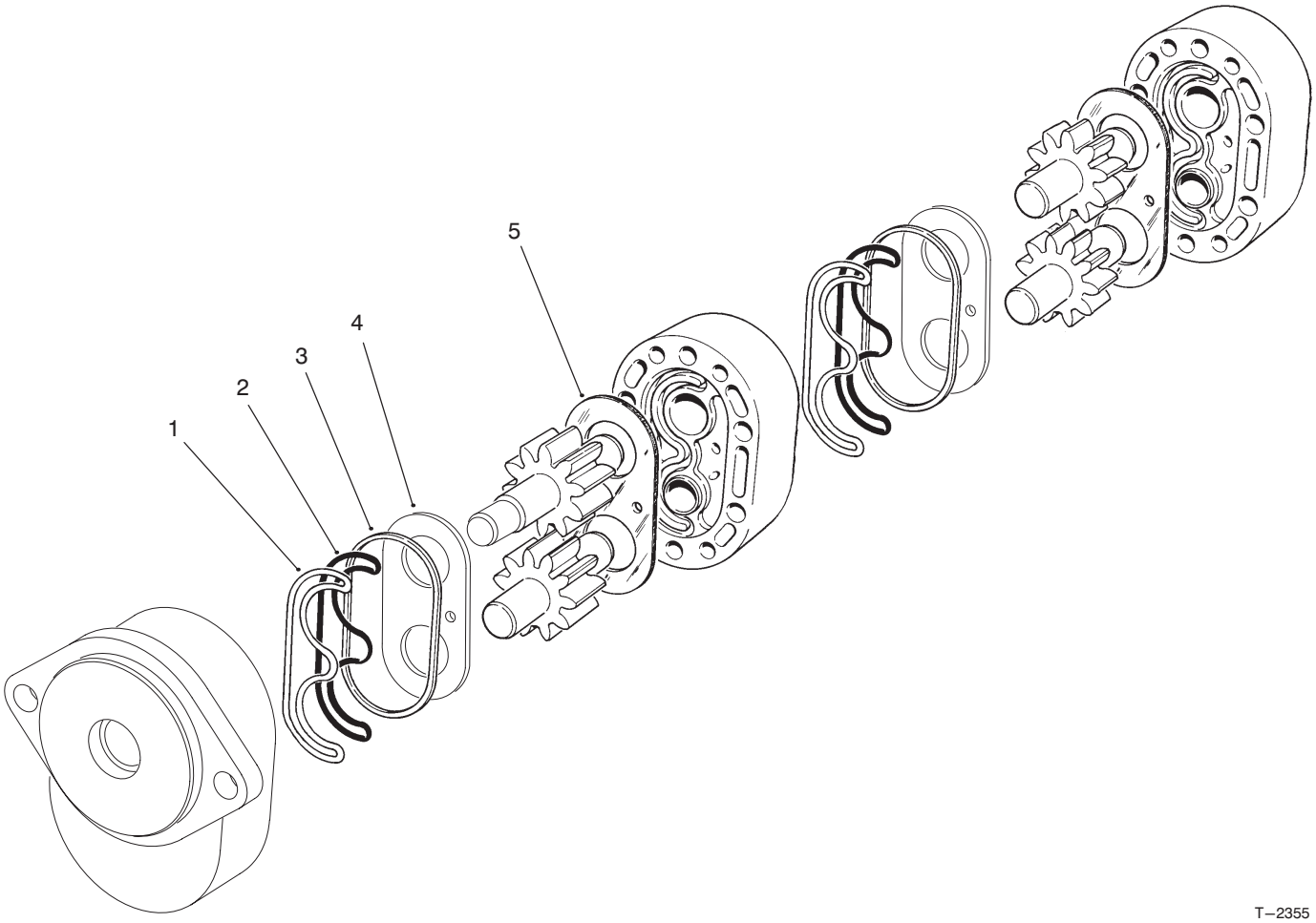


T–2270B

HYDRAULIC PUMP & HYDROSTAT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
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

Ref. No.	Part No.	Description	No. Used
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

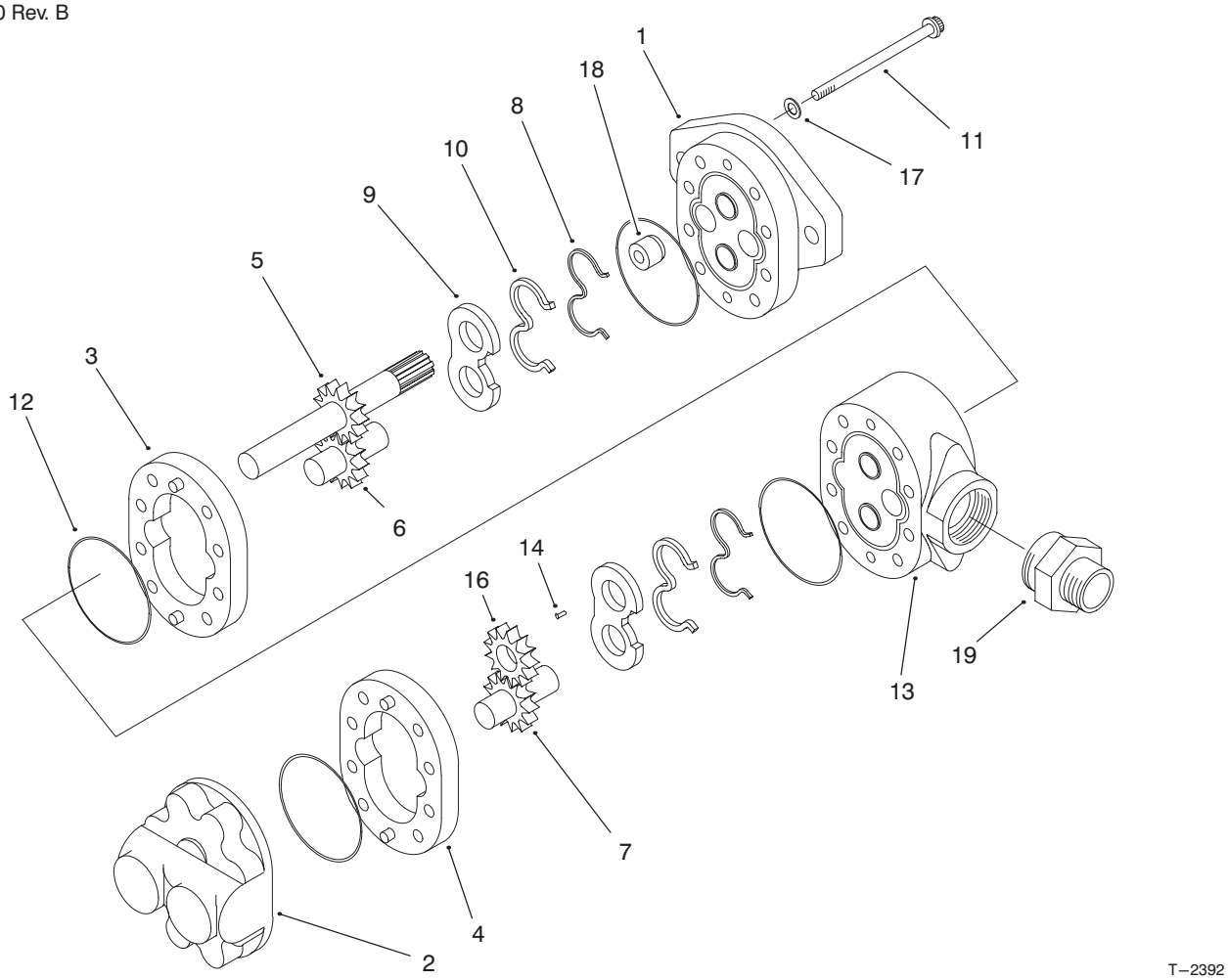


T–2355

GEAR PUMP ASSEMBLY NO. 93–2587
(Serial No. 60001–60473)

Ref. No.	Part No.	Description	No. Used
†1	69–2270	Seal – Pre–Load	2
†2	69–2260	Seal – Load	2
†3	69–2350	Ring – Sealing	2
†4		Plate – Wear	2
†5		Plate – Wear	2
*	94–4828	Repair Kit (Incl. Ref. #1–5)	1

†Not Serviced Separately
*Not Illustrated



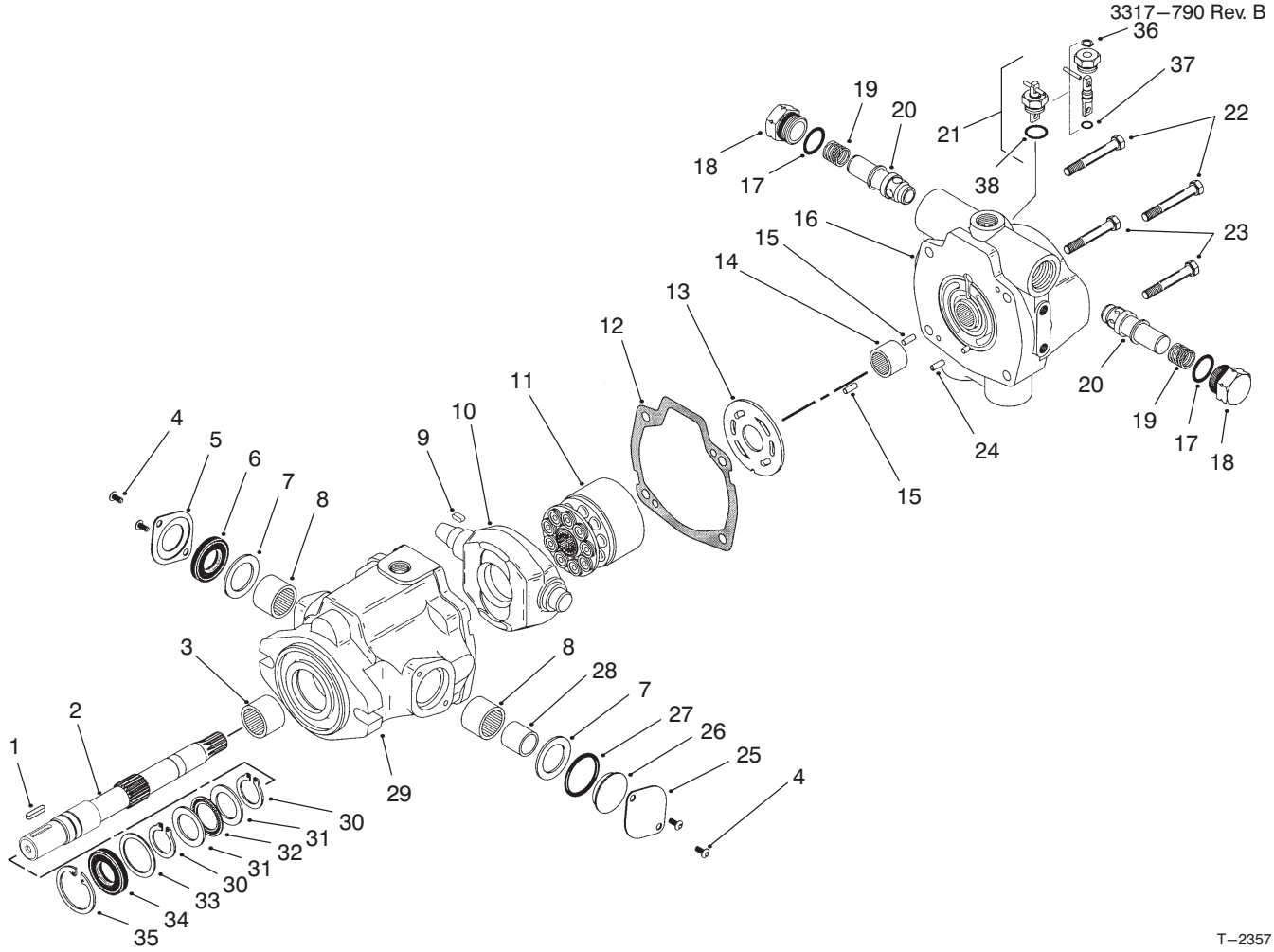
T–2392

GEAR PUMP ASSEMBLY NO. 94–6390
(Serial No. 60474 & Up)

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 & 14)	1

†Not Serviced Separately
*Not Illustrated



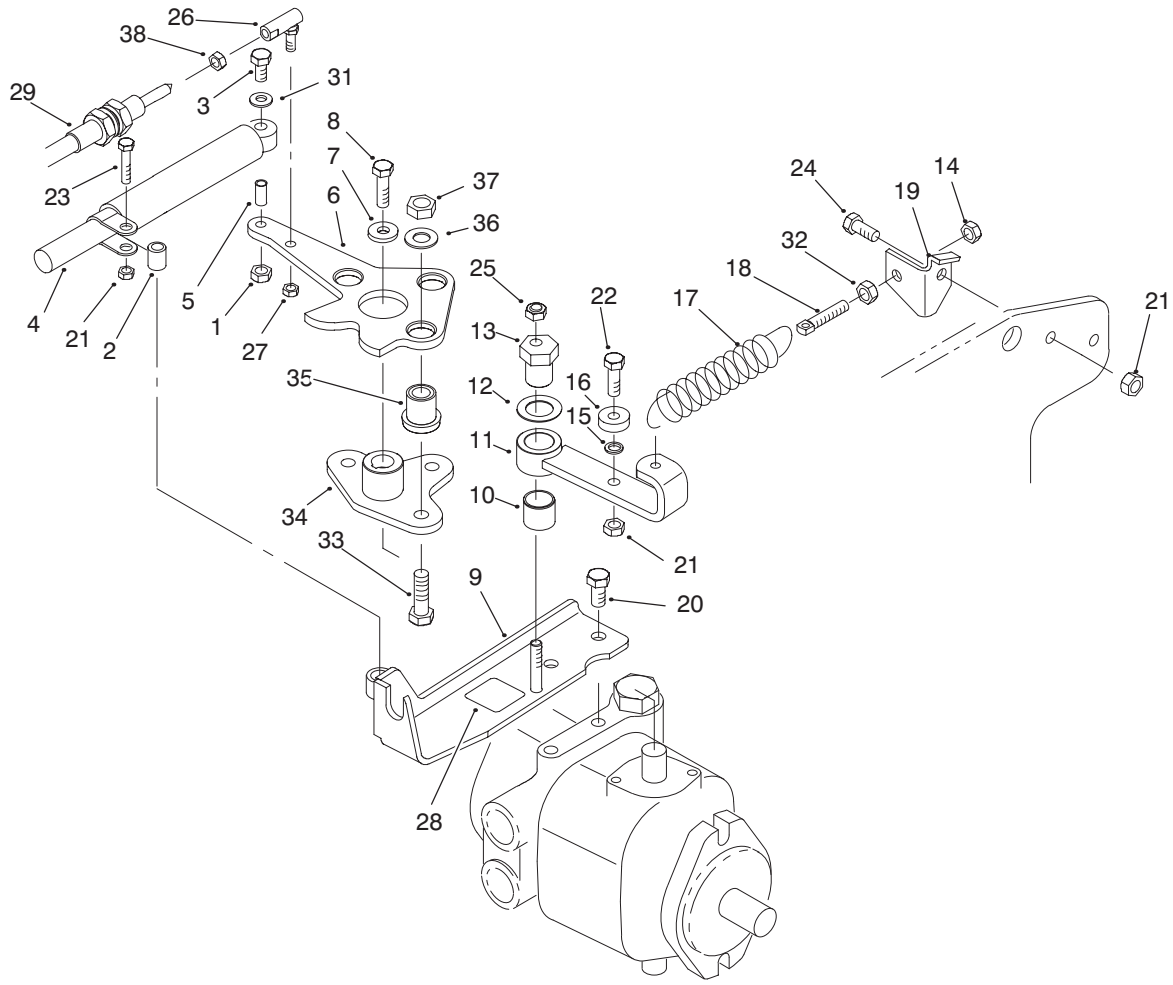
T–2357

HYDROSTAT ASSEMBLY NO. 93–2586

Ref. No.	Part No.	Description	No. Used
1	94–3645	Key	1
2	94–6359	Shaft – Drive	1
3	94–6363	Bearing	1
4	60–6330	Screw	4
5	76–6080	Seal – Cover	1
6	76–6190	Seal – Shaft	1
7	76–6180	Washer	2
8	252–95	Bearing – Thrust	2
9	94–3646	Key	1
10	94–3643	Plate – Cam	1
11	76–6070	Rotating Kit Assembly	1
†12		Gasket	1
13	94–6360	Plate – Valve	1
14	94–6368	Bearing	1
15	76–6150	Pin – Dowel	2
16	94–6361	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

Ref. No.	Part No.	Description	No. Used
21	39–2080	Dump Valve Assembly	1
22	76–6170	Screw – Cap	2
23	76–6160	Screw – Cap	2
†24		Pin – Roll	1
25	76–6090	Cover – Trunion	1
26	76–6100	Cover – Trunion O–Ring	1
27	76–6140	O–Ring	1
28	33–3750	Race – Inner	1
29	94–3641	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
*	94–6362	Seal Repair Kit (Incl. Ref. #6, 12, 17, 27, 30 & 34–38)	1

*Not Illustrated
†Not Serviced Separately

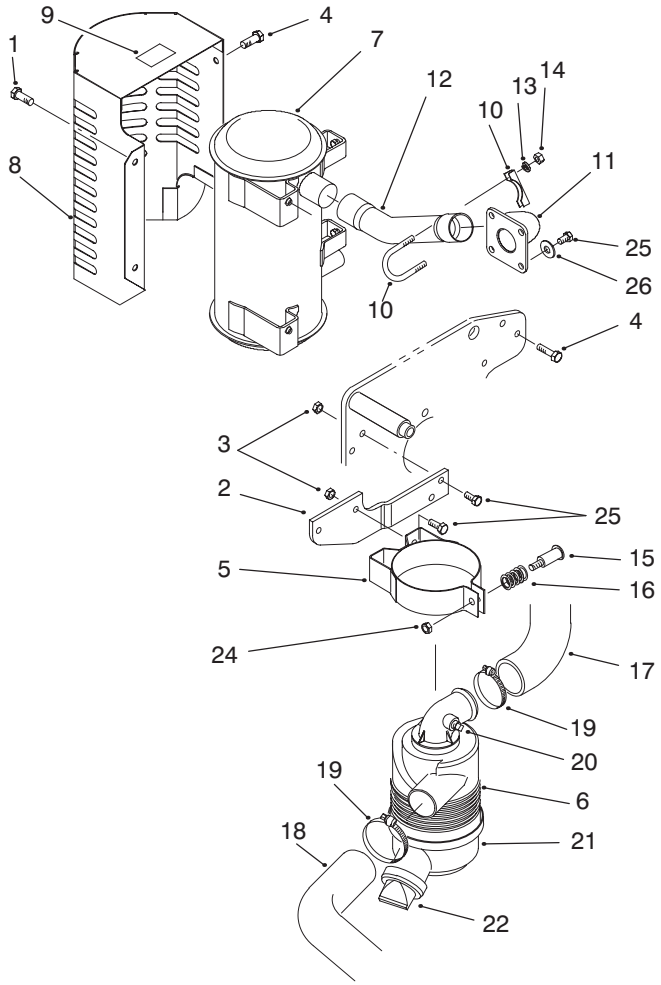


T−2228B

NEUTRAL SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	33023−00	Nut − Lock	1
2	94−3456	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	94−1307	Cable Support	1
10	93−2103	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	94−3491	Bracket − Spring	1

Ref. No.	Part No.	Description	No. Used
20	323−4	Screw − HH	2
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



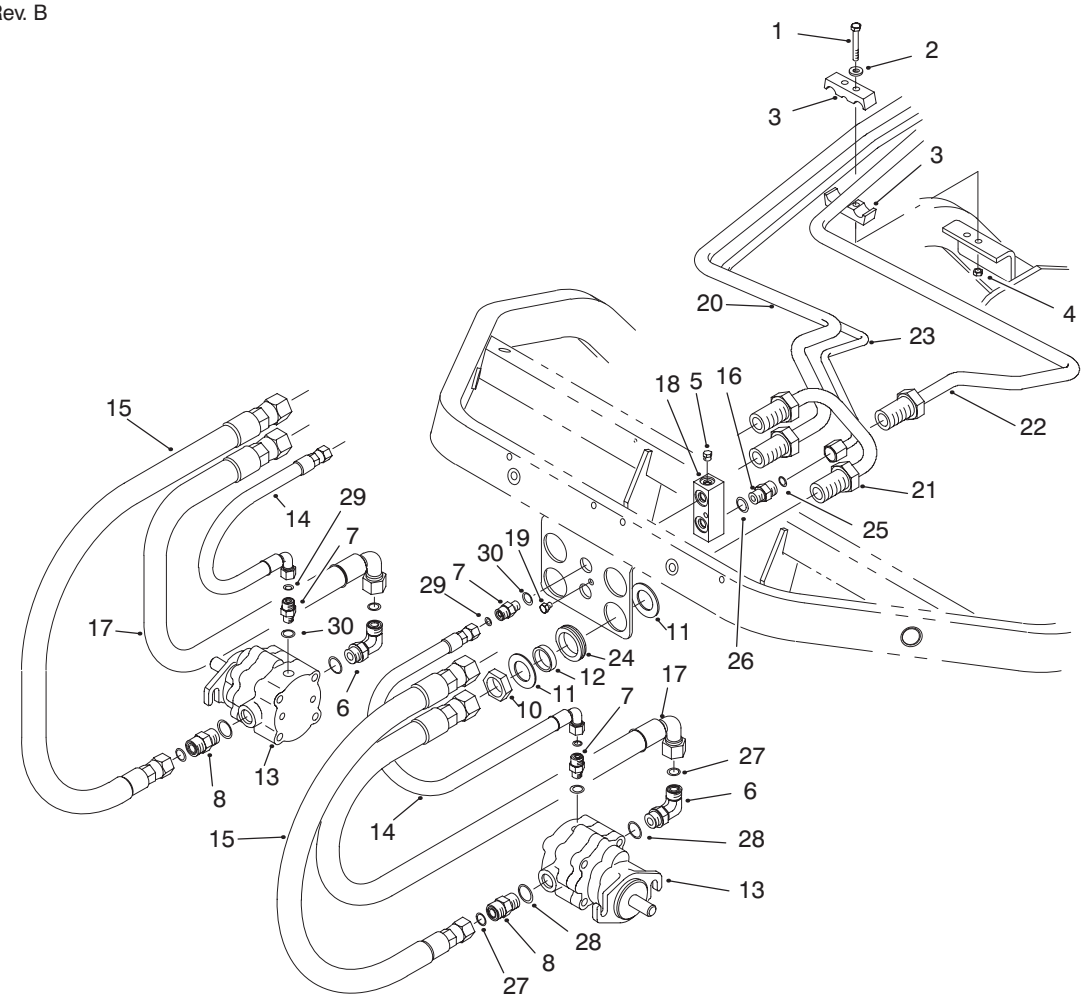
T−2291A

MUFFLER & AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32144−14	Screw − HH	2
2	94−5359	Bracket − Air Cleaner	1
3	33024−00	Nut − Lock	4
4	33114−020	Screw − HH	4
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
8	94−1339	Muffler Shield	1
9	93−8069	Decal − Hot Surface	1
10	2112−9	Clamp (Incl. Ref. #13 & 14)	2
11	93−2185	Exhaust Bracket	1
12	93−2183	Pipe − Exhaust	1

Ref. No.	Part No.	Description	No. Used
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	8
26	3253−4	Washer − Spring Lock	4

*Not Illustrated

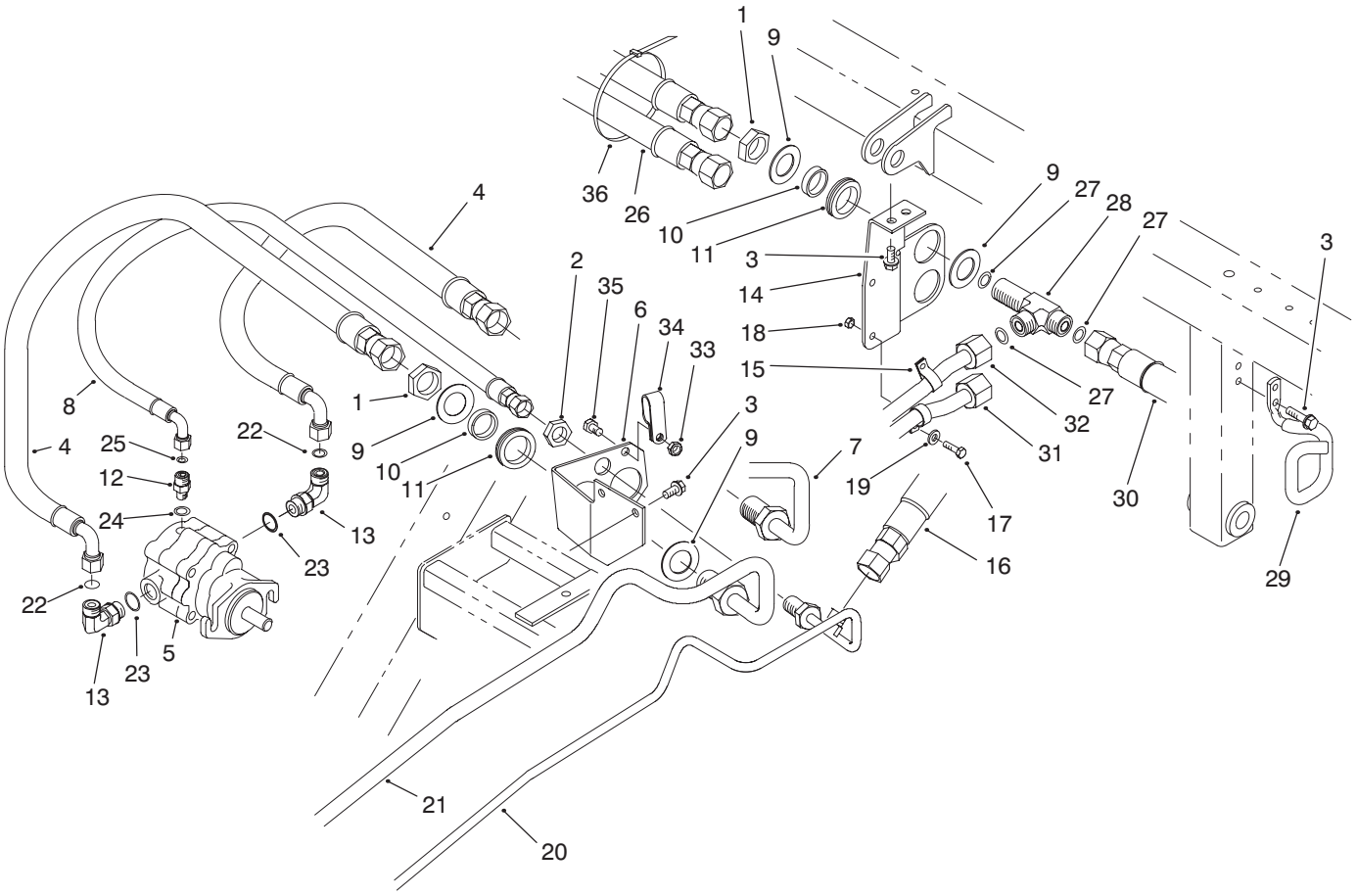


T−2240

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	93−2262	Hose Assembly	2

Ref. No.	Part No.	Description	No. Used
16	340−2	Fitting − Hydraulic (Incl. Ref. #25−26)	1
17	93−2263	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

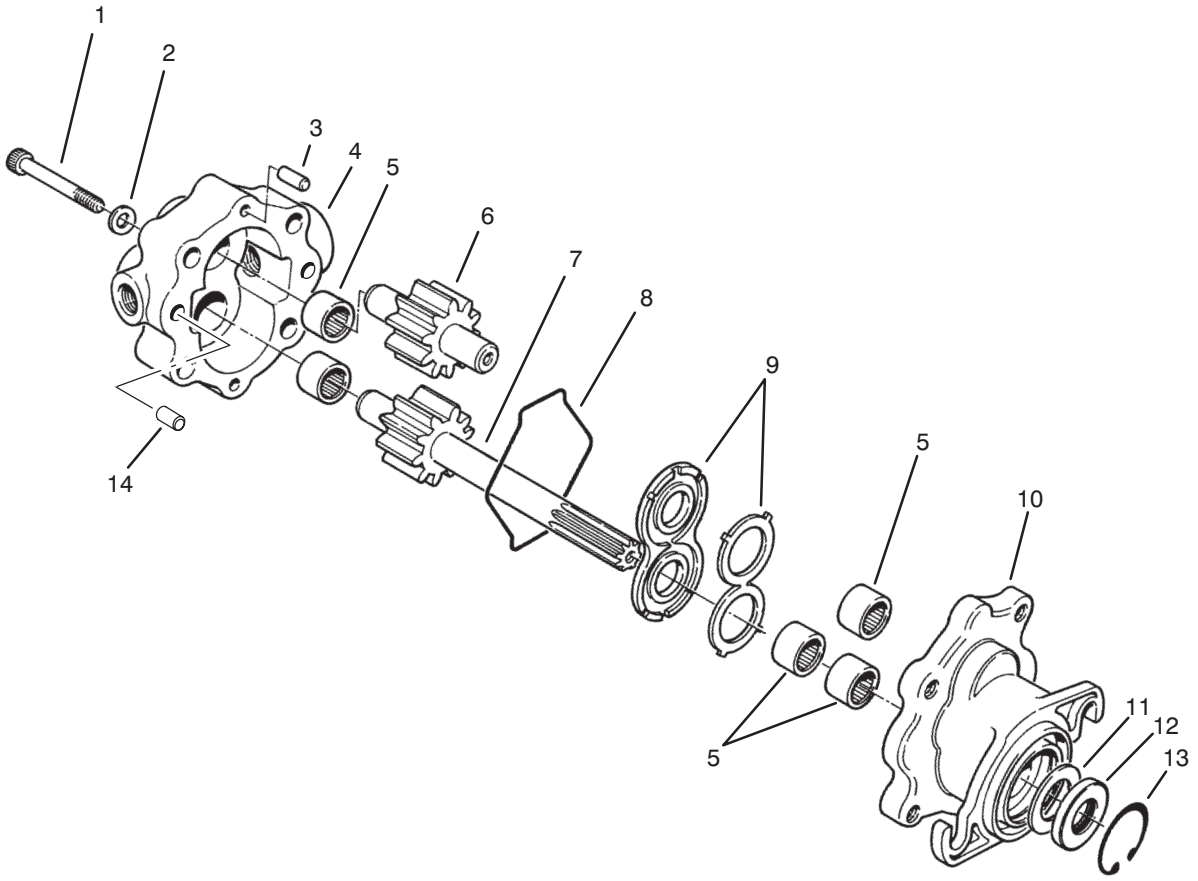


T–2241B

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	93–2259	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	33113–016	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



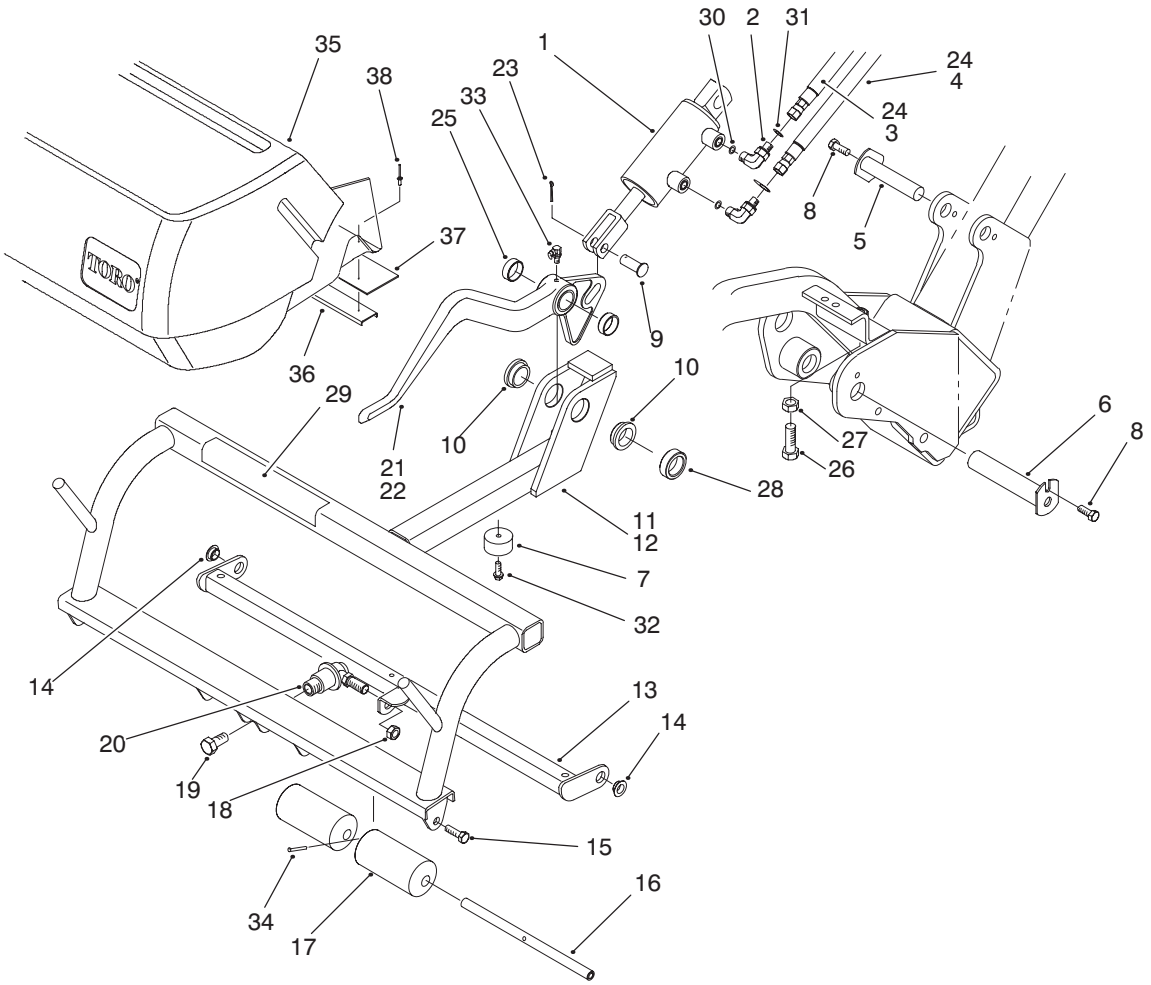
T–1872

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



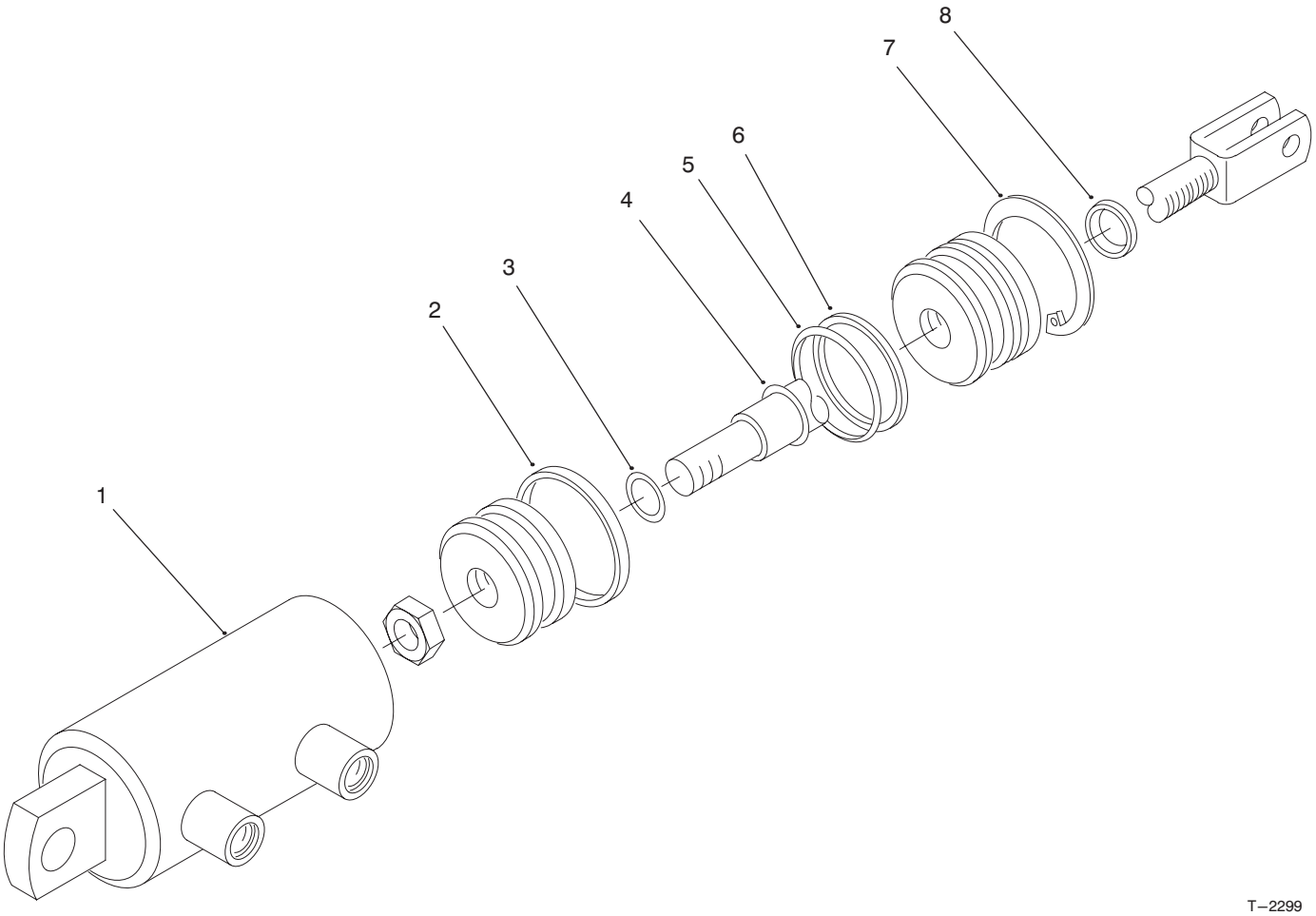
T–2230B

PULL FRAME ASSEMBLY – RH & LH

Ref. No.	Part No.	Description	No. Used
1	93–2246	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	93–2380	Pin	2
7	94–4548	Bumper	2
8	32144–14	Screw – HH	4
9	283–8	Pin – Clevis	2
10	93–2361	Bushing – Flange	4
11	93–2369	Carrier – RH	1
12	93–2360	Carrier – LH	1
13	94–3483	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	3213–1	Screw – HH	2
20	93–2133	Ball Joint	2

Ref. No.	Part No.	Description	No. Used
21	93–2405	Lift Arm – RH	1
22	93–2407	Lift Arm – LH	1
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	2
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	93–2553	Grass Basket Assembly (Incl. Ref. #36–38)	2
36	93–2552	Retainer	2
37	93–2551	Seal – Basket	2
38	3290–55	Rivet – Pop	16
*	65–8320	Bar – Guage	1

* Not Illustrated.



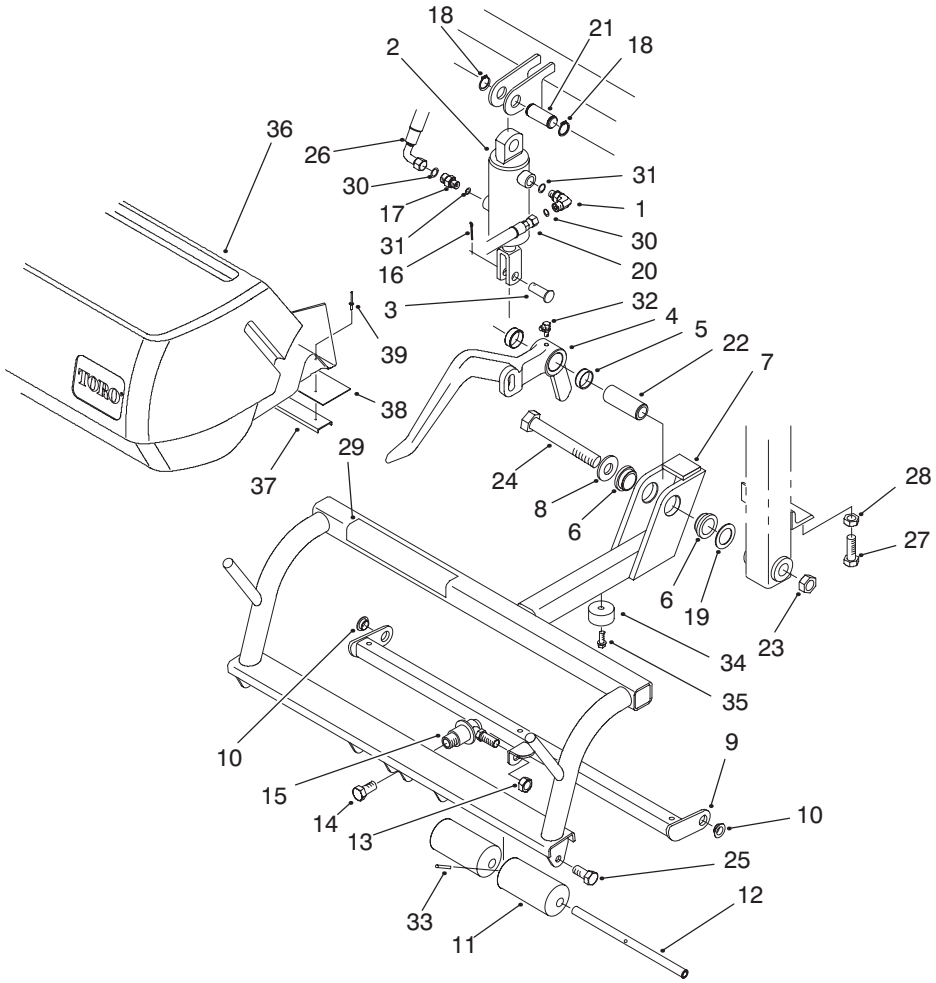
T–2299

HYDRAULIC CYLINDER NO. 93–2246

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

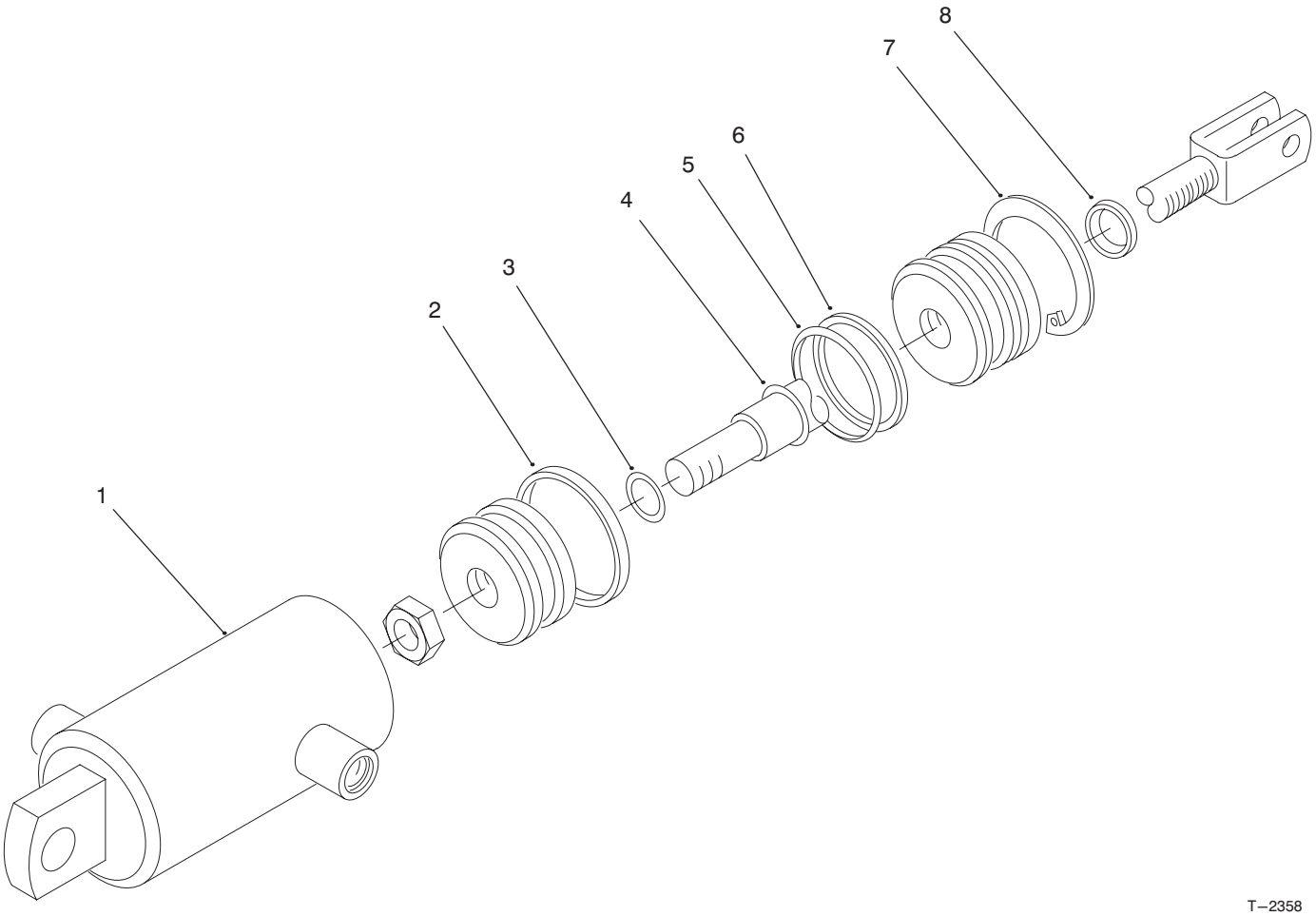
†Not Serviced Separately



T–2231B

PULL FRAME ASSEMBLY – REAR

Ref. No.	Part No.	Description	No. Used
1	340–132	Fitting – Hydraulic 90˚ (Incl. Ref. #30–31)	1
2	94–6357	Hydraulic Cylinder Assembly	1
3	283–8	Pin – Clevis	1
4	93–2403	Lift Arm – Center	1
5	92–8995	Bushing – Straight	2
6	93–2361	Bushing – Flange	2
7	93–2350	Carrier – Center	1
8	3256–7	Washer – Flat	1
9	94–3483	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	3213–1	Screw – HH	1
15	93–2133	Ball Joint	1
16	3272–11	Pin – Cotter	1
17	85–9720	Fitting – Hydraulic (Incl. Ref. #30–31)	1
18	32120–72	Ring – Retaining, Ext.	2
19	63–2290	Washer – Thrust	1
20	93–2258	Hose Assembly	1
21	94–3452	Pin – Cylinder	1
22	94–1398	Tube – Pivot	1
23	3296–53	Nut – Hex	1
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	1
29	93–8064	Decal – Warning	1
30	237–21	O–Ring	2
31	237–78	O–Ring	2
32	302–60	Fitting – Grease 90˚	1
33	32121–6	Pin – Roll	2
34	94–4548	Bumper – Recessed	1
35	32144–44	Screw – HWH	1
36	93–2553	Grass Basket Assembly (Incl. Ref. #37–39)	1
37	93–2552	Retainer	1
38	93–2551	Seal – Basket	1
39	3290–55	Rivet – Pop	8



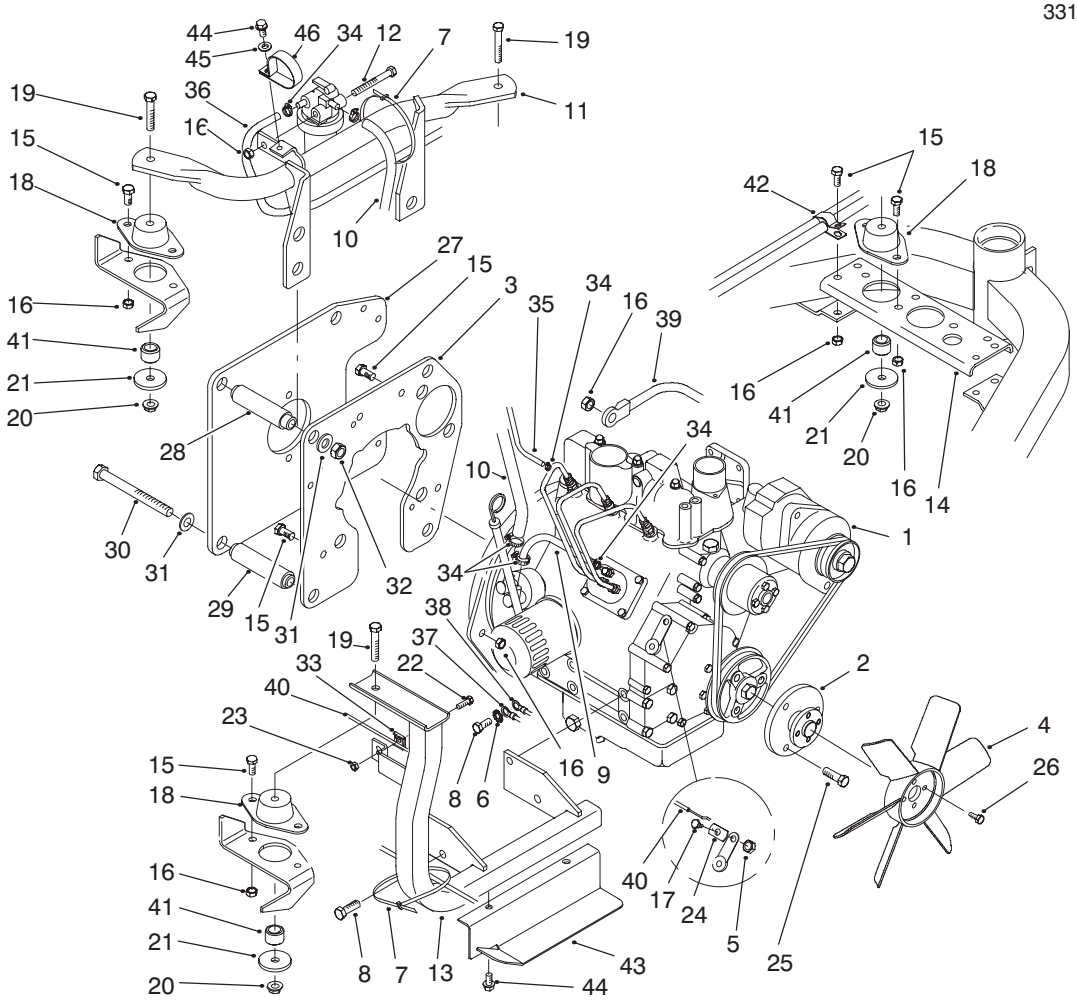
T–2358

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)	1

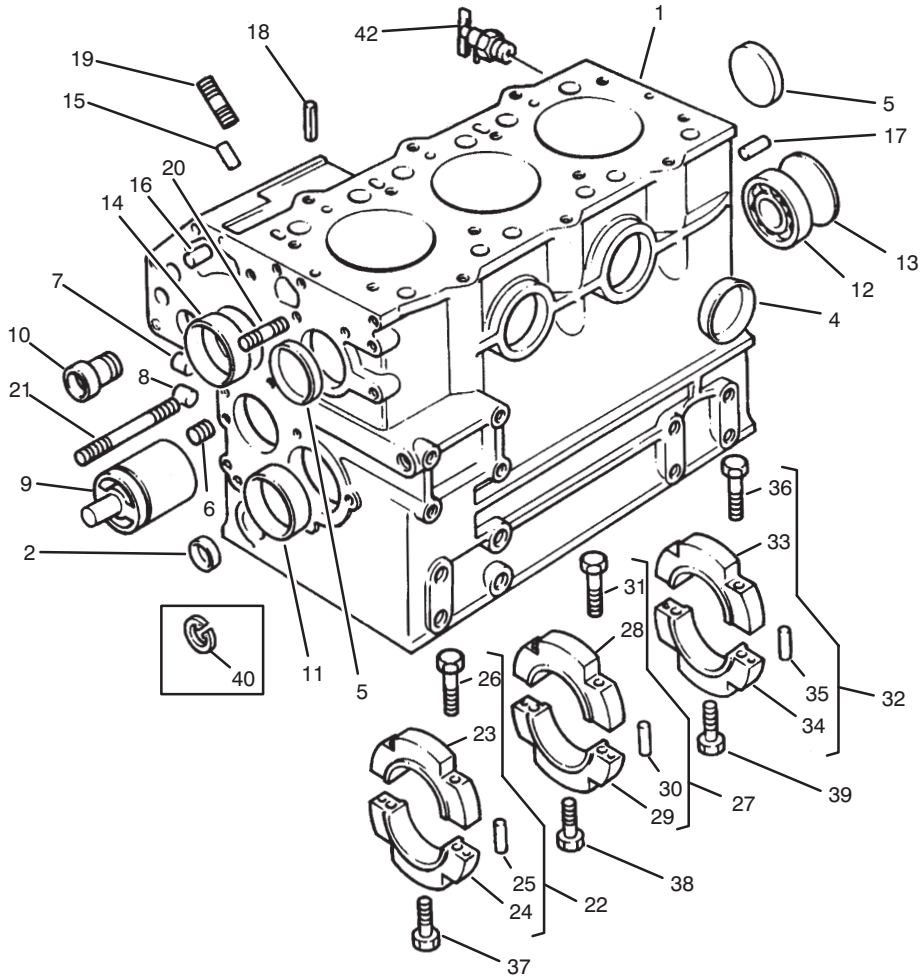
†Not Serviced Separately



ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93−2150	Engine − Perkins (Incl. Ref. #4)	1
2	93−2152	Adapter − Fan	1
3	93−2151	Plate − Backing	1
4		Fan	1
5	3296−21	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	93−2042	Hose − Fuel	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	41−4430	Plate − Washer	3
22	32105−13	Screw − HH	1
23	3296−2	Nut − Lock	1

Ref. No.	Part No.	Description	No. Used
24	92−3154	Tab − Throttle	1
25	33114−020	Screw − HH	3
26	33113−016	Screw − HH	4
27	93−2173	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	2412−108	Clamp − Hose	6
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



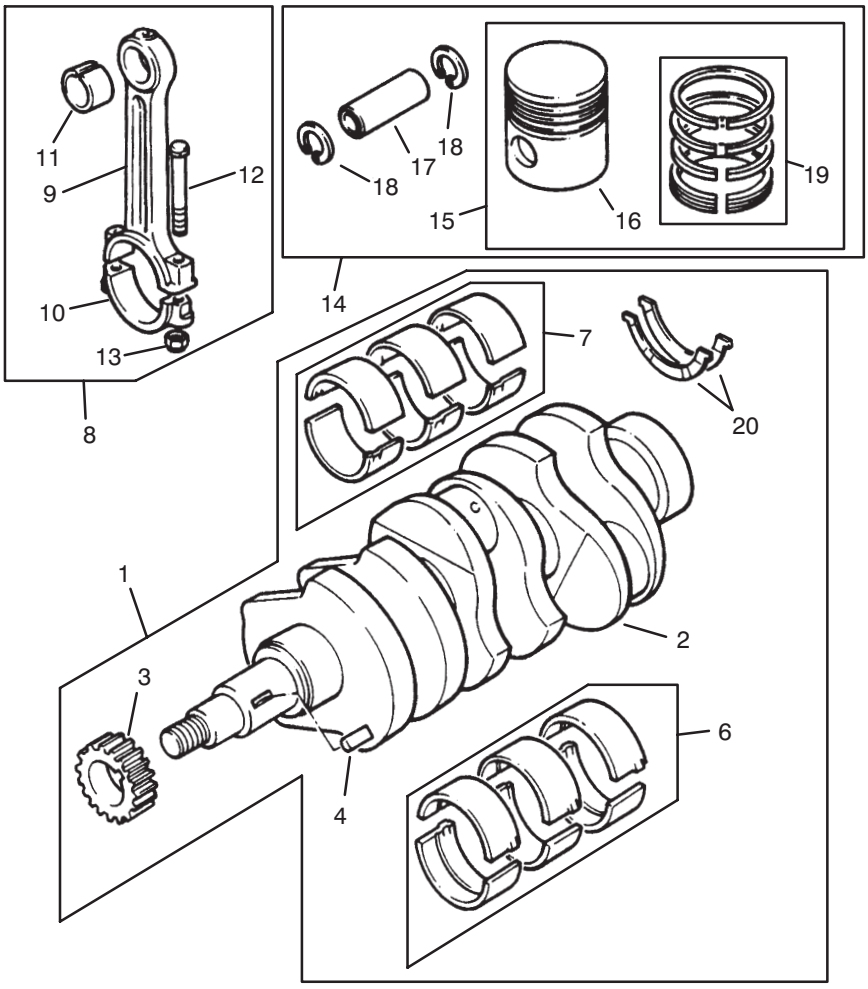
T–1377A

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



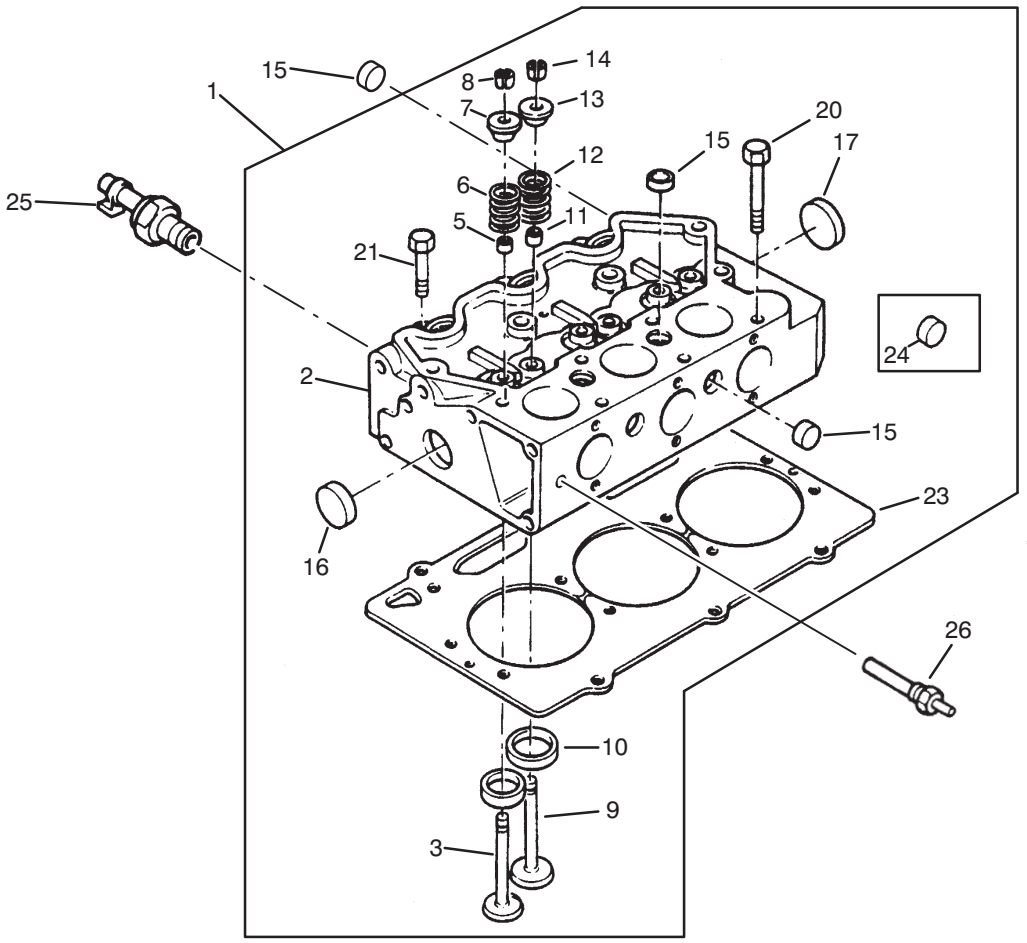
T–2174

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

Ref. No.	Part No.	Description	No. Used
11	198517325	Bushing	1
12	115176130	Screw	2
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

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



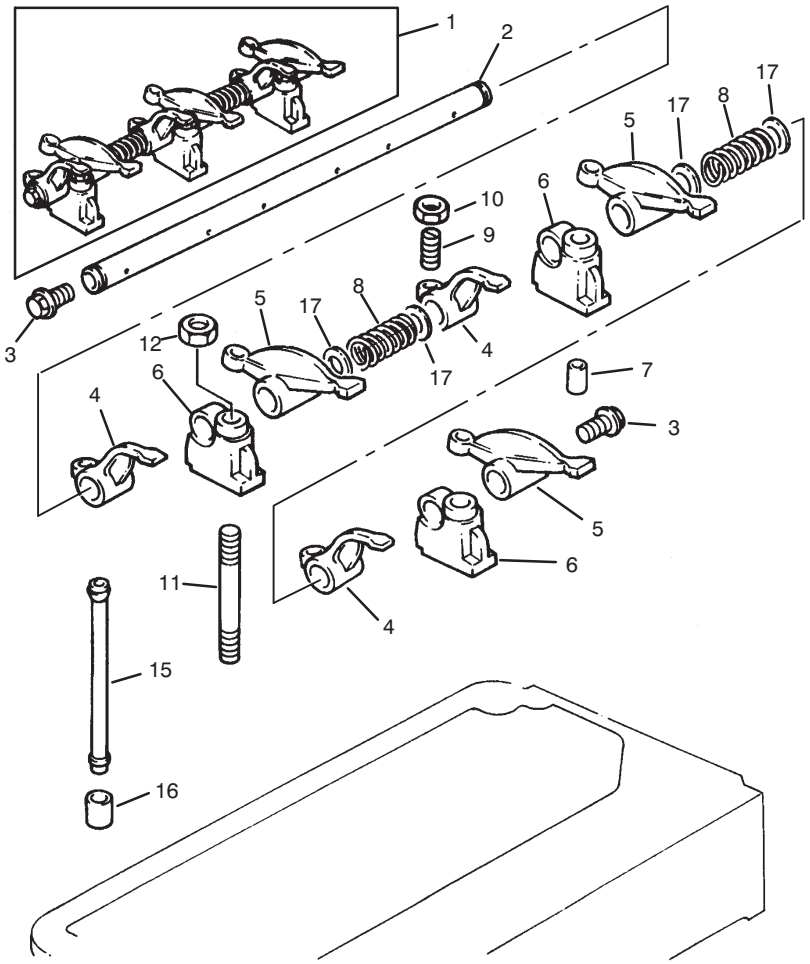
T–2175

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
5	120406080	Seal	3
6	198217070	Spring	3
7	120186100	Cap	3
8	120226080	Cotter	6
9	120176290	Valve Exhaust	3
10	110136290	Insert	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	385720230	Sender – Temperature	1

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



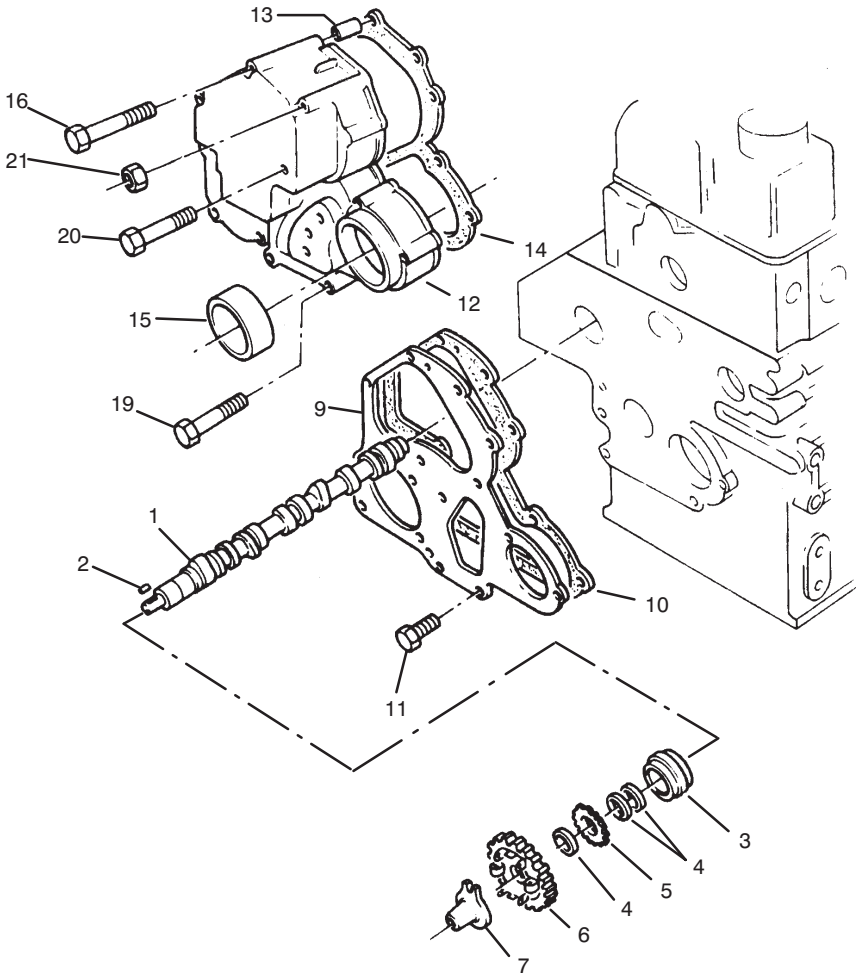
T–1380

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.



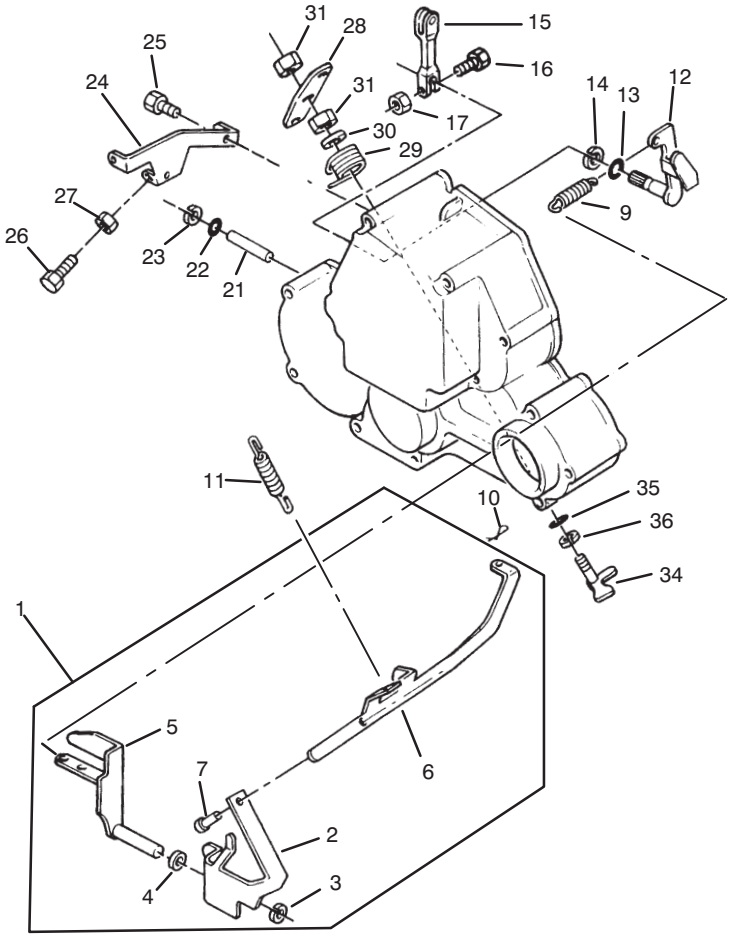
T–1381

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.



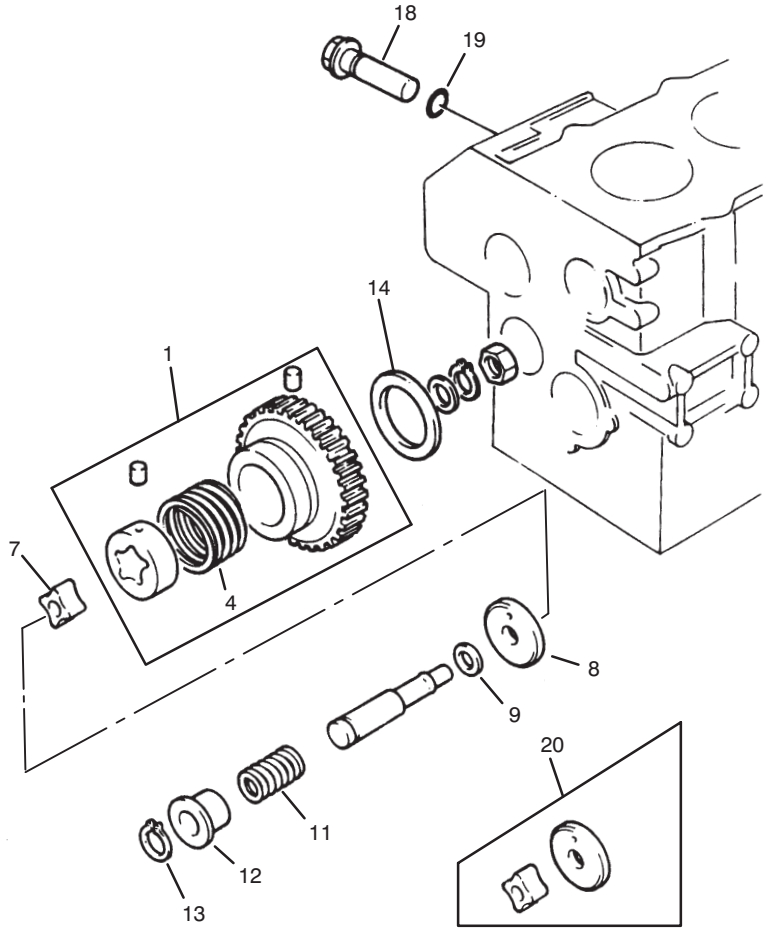
T−1382

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.



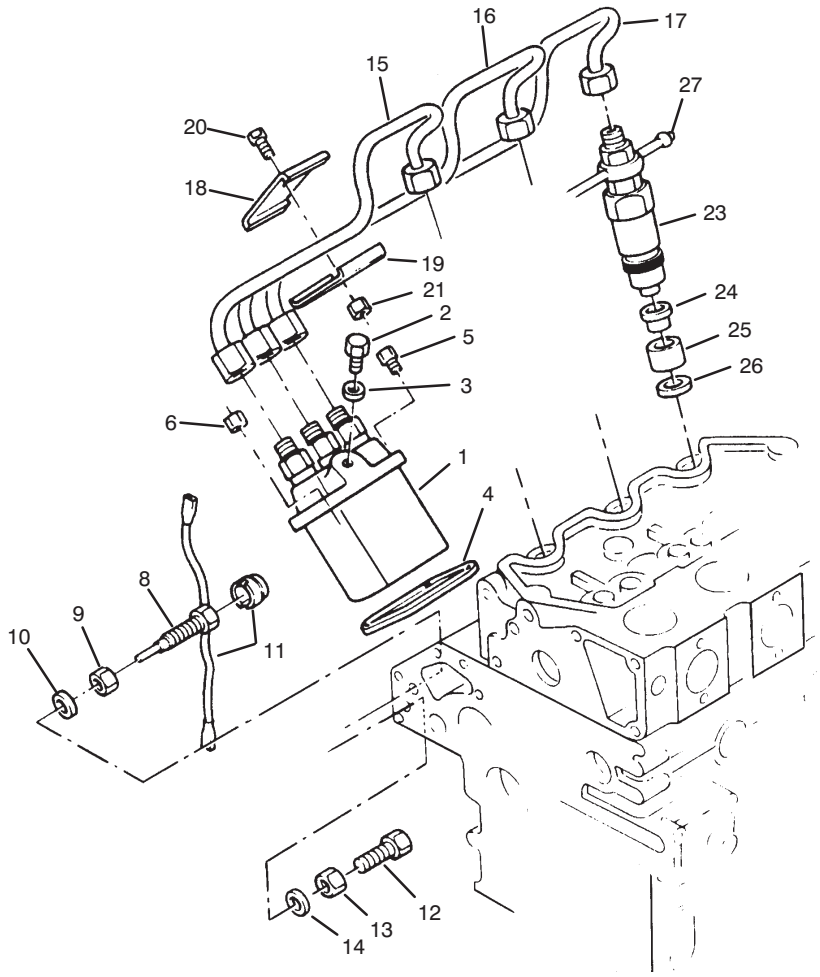
T–1383

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	Repalr Kit	1

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



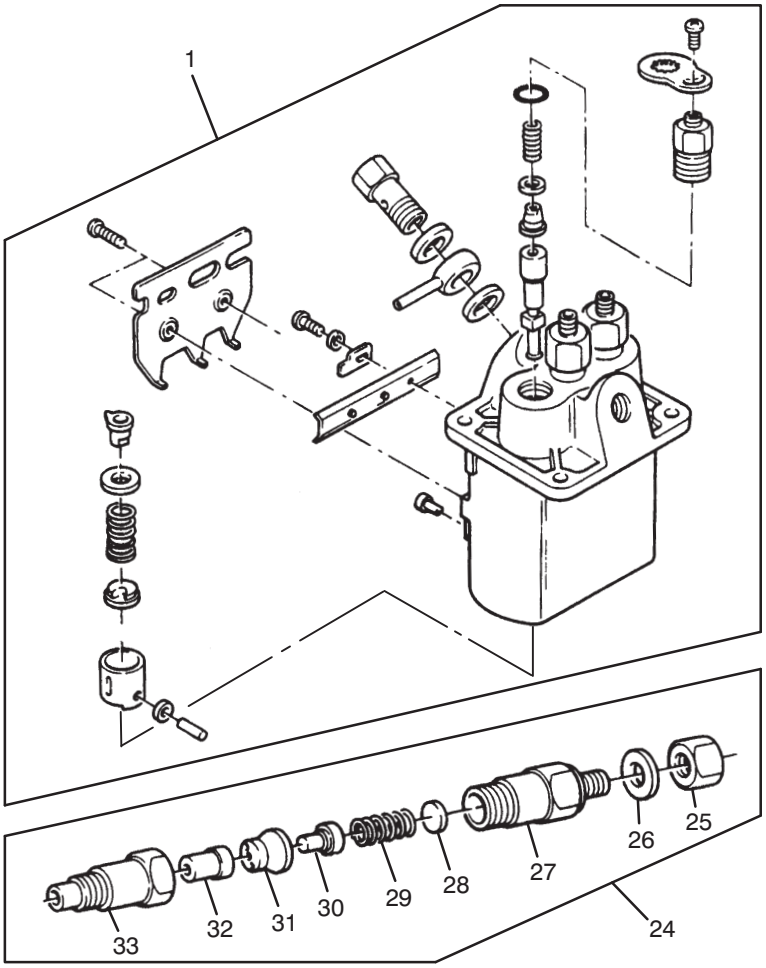
T–1384

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
*	131046110	Screw	1
9	023109002	Nut	1
10	025100010	Washer	1
11	198236030	Wire	1
12	010109271	Screw	1
13	023109002	Nut	1

Ref. No.	Part No.	Description	No. Used
14	025100010	Washer	1
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

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



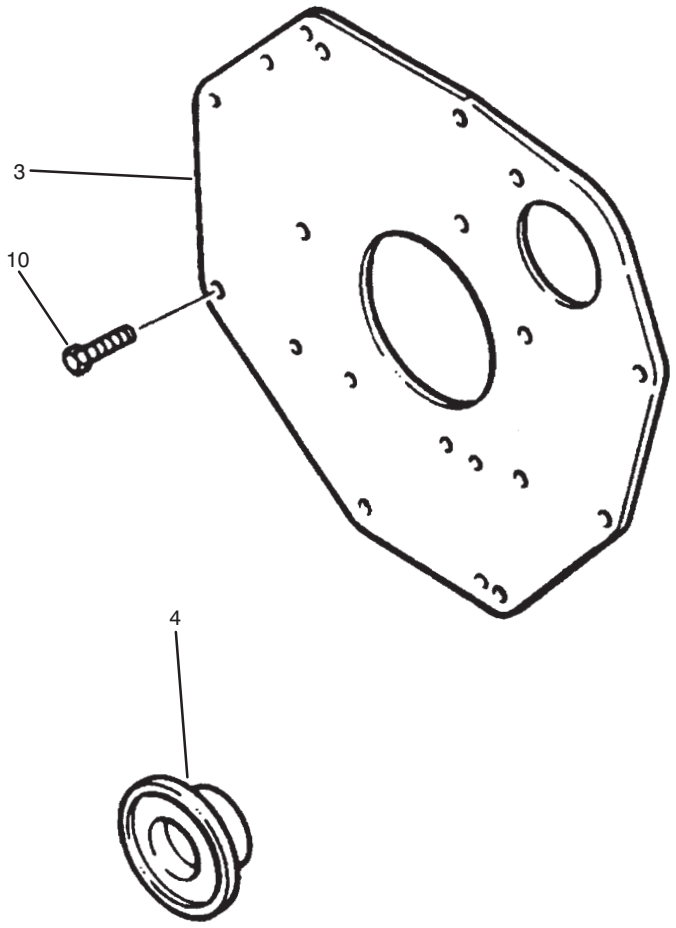
T—2176

INJECTION PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	131017610	Injection Pump	1
24	131406340	Atomiser	3
25	131446069	Nut	1
26	131426210	Washer	1
27	131446065	Body	1
28	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
*28	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
29	131446066	Spring	1
30	131446070	Pin	1
31	131446068	Spacer	1
32	131416150	Nozzle	1
33	131446067	Nut	1

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



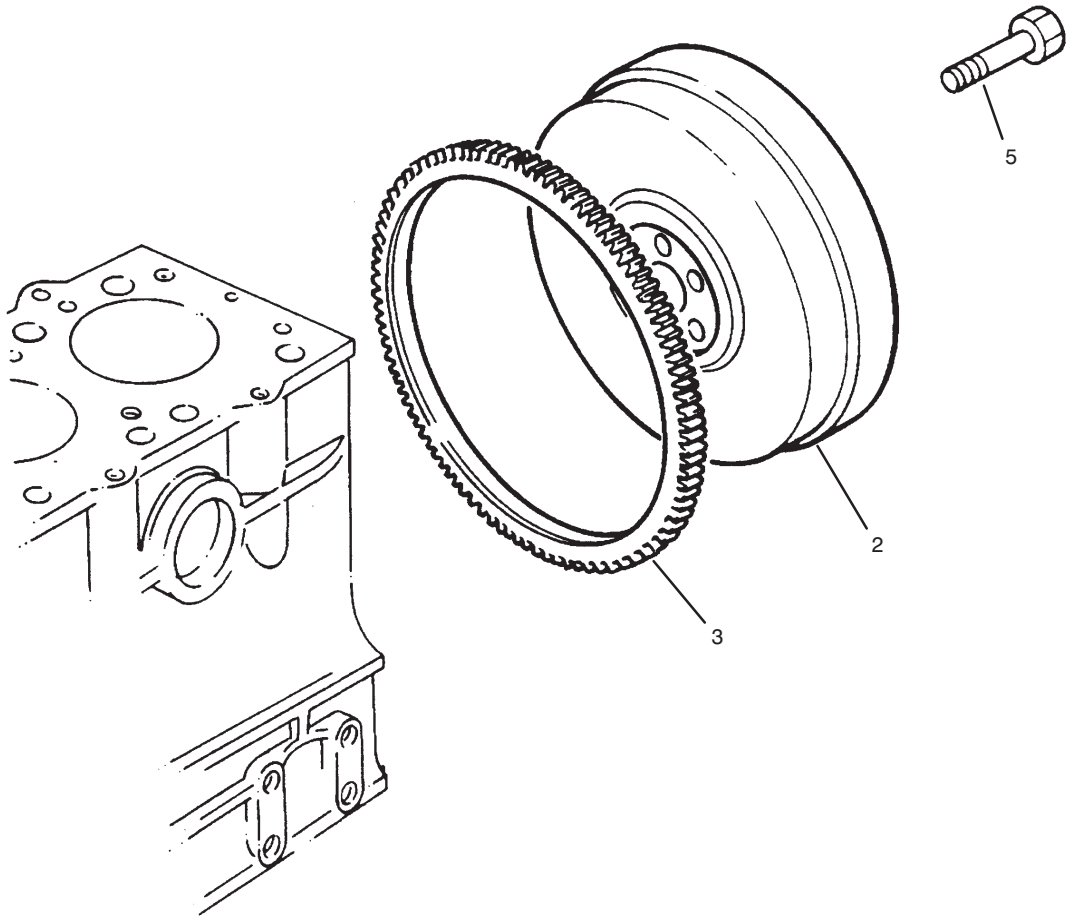
T–1386

REAR PLATE & SEAL

Ref. No.	Part No.	Description	No. Used
3	110366400	Plate	1
4	198636080	Seal	1

Ref. No.	Part No.	Description	No. Used
10	011310816	Screw	10

NOTE: Obtain replacement parts from your local Perkins Dealer.



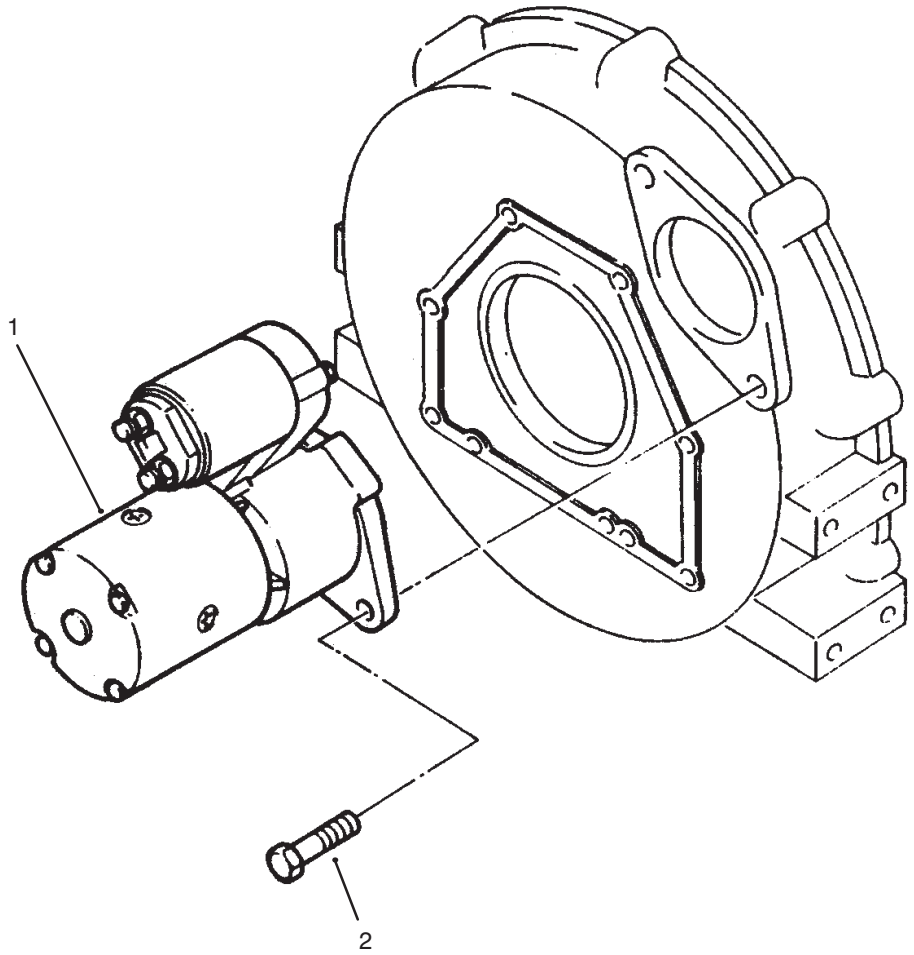
T–1387

FLYWHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	115357190	Flywheel	1
3	115376150	Gear – Ring	1

Ref. No.	Part No.	Description	No. Used
5	010109330	Screw	4

NOTE: Obtain replacement parts from your local Perkins Dealer.



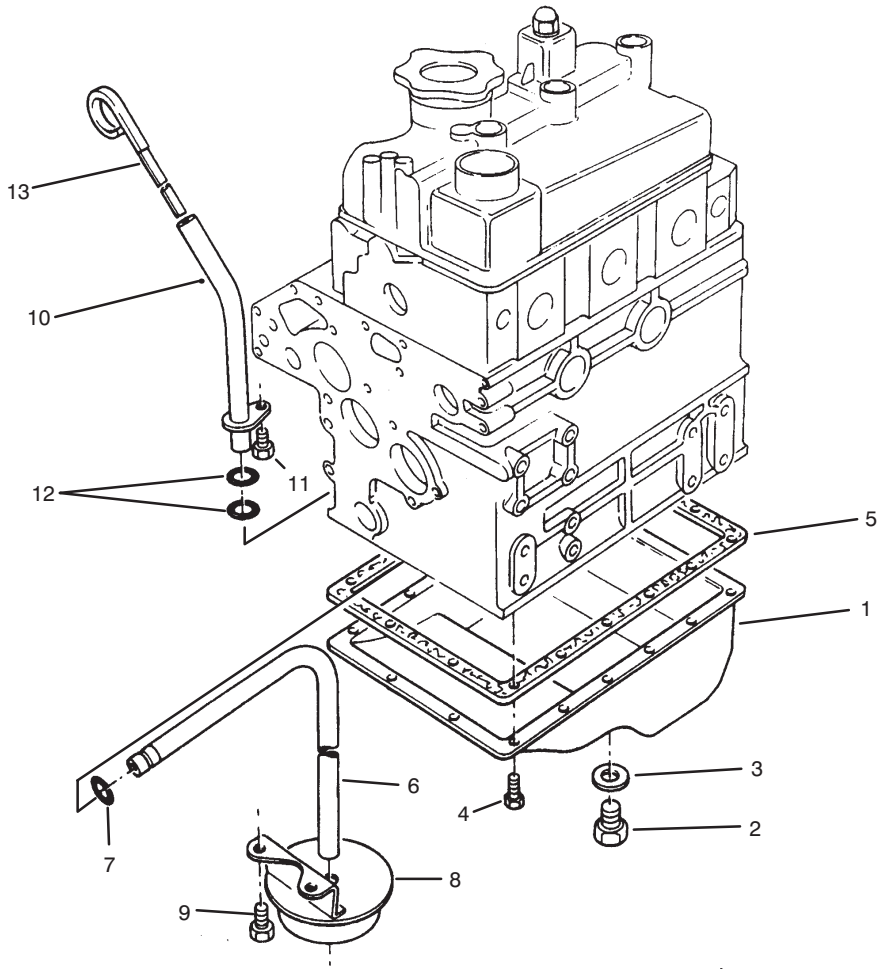
T–2191

STARTER INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	185086400	Startermotor	1

Ref. No.	Part No.	Description	No. Used
2	011401020	Screw	2

NOTE: Obtain replacement parts from your local Perkins Dealer.



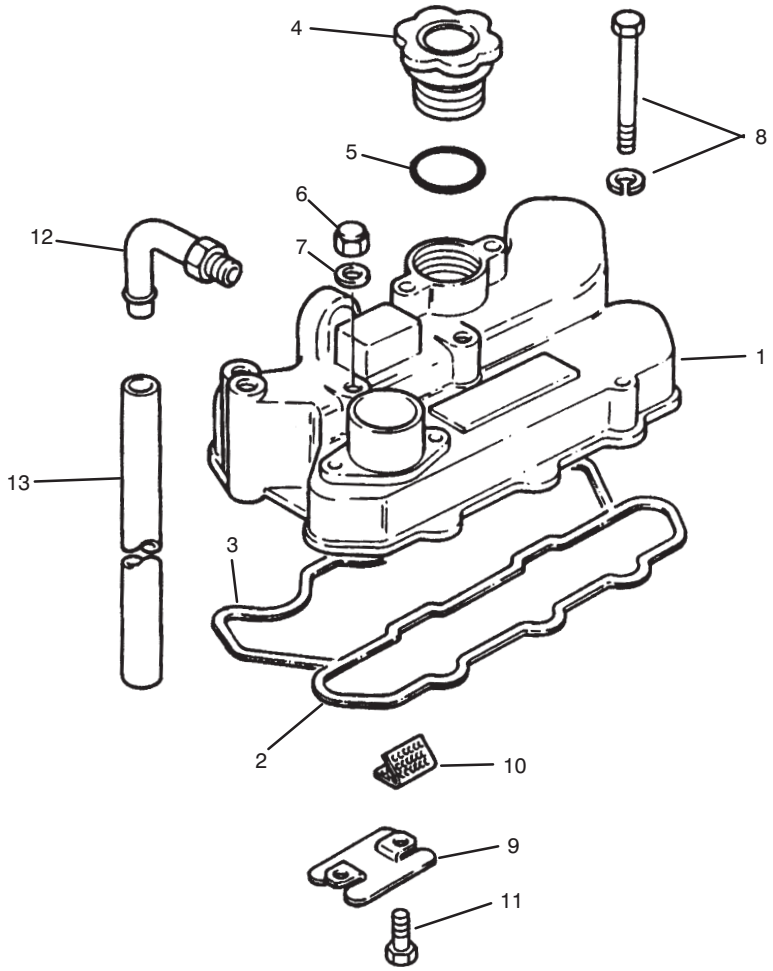
T–1390A

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

Ref. No.	Part No.	Description	No. Used
8	140406310	Strainer	1
9	011300612	Bolt	2
10	110756380	Tube	1
11	011300812	Screw	1
*	011300612	Bolt	1
12	052100100	Seal – O–Ring	2
13	198416371	Dipstick	1

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



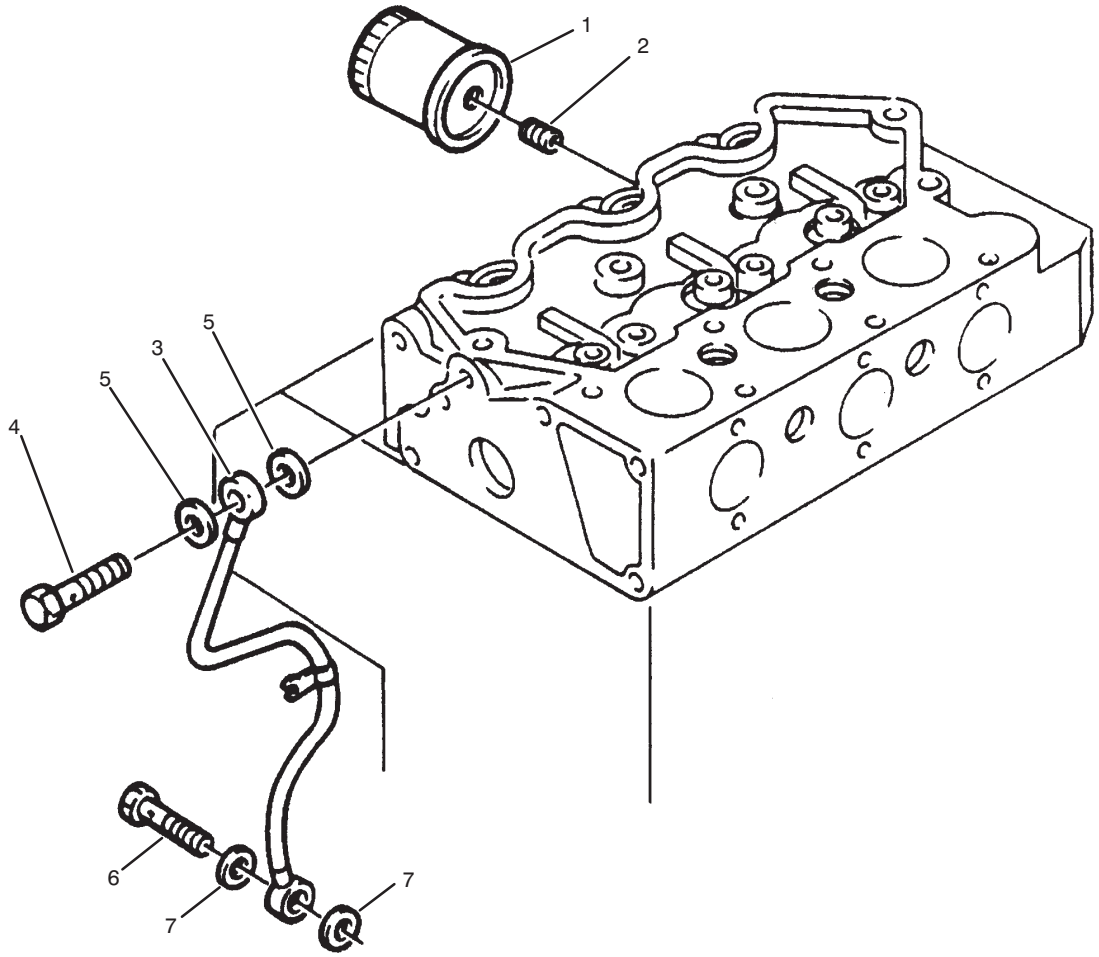
T–1391

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



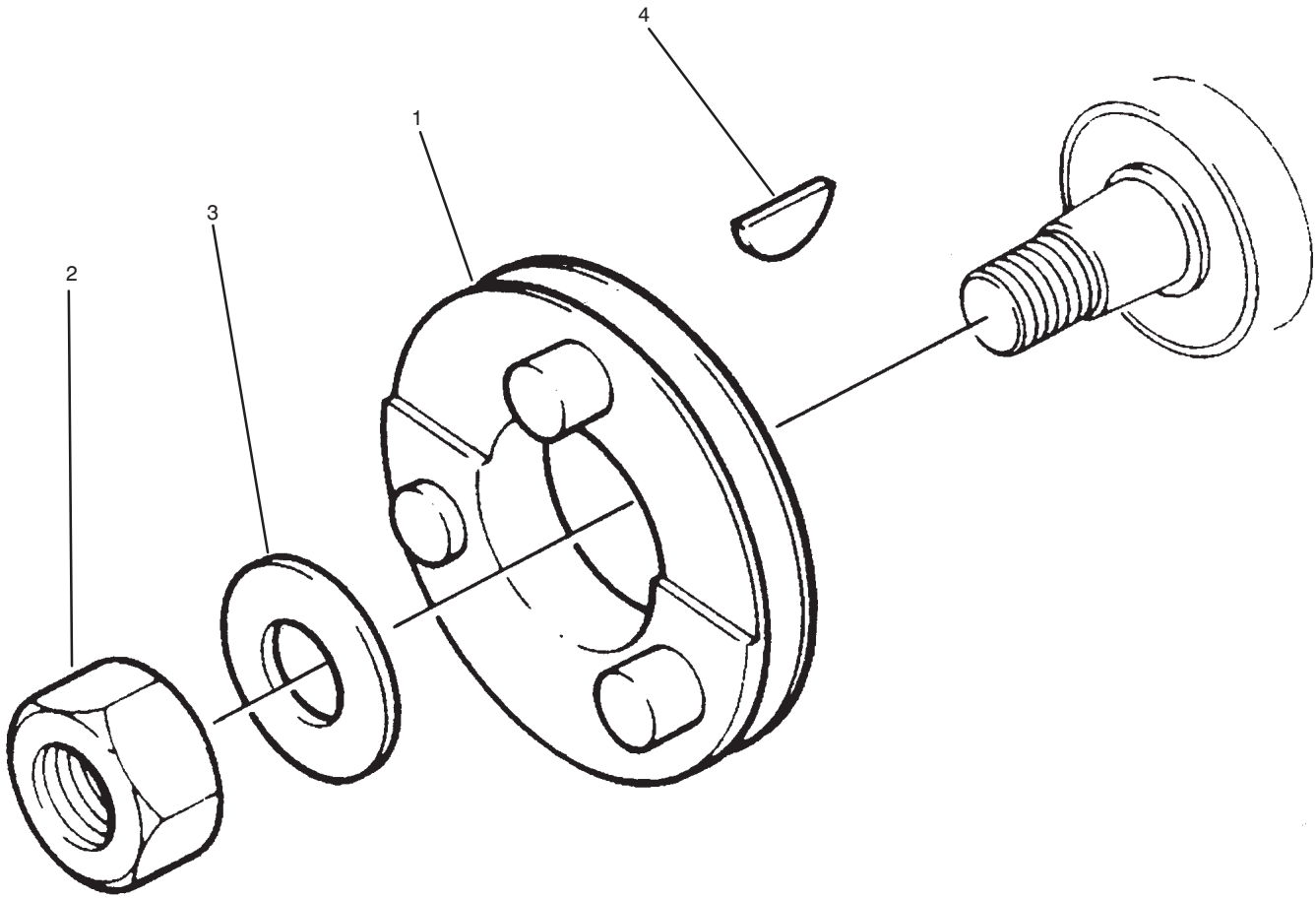
T–1392

OIL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	140516190	Filter – Oil	1
2	140546020	Connection	1
3	140606680	Pipe	1
4	198486780	Bolt	1

Ref. No.	Part No.	Description	No. Used
5	198996060	Washer	2
6	198486780	Bolt	1
7	198996060	Washer	2

NOTE: Obtain replacement parts from your local Perkins Dealer.

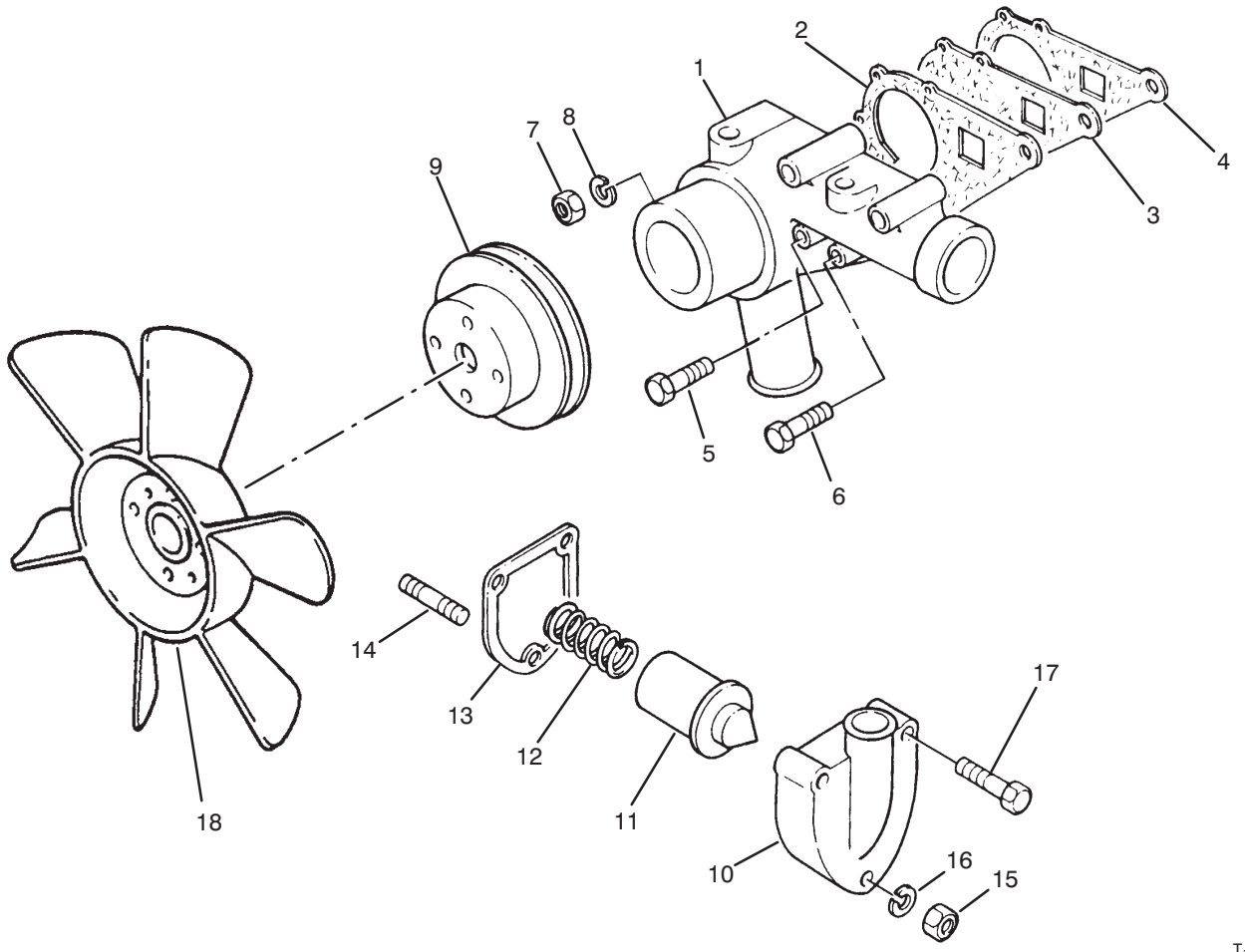


T–1393

FRONT DRIVE PULLEY ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	115396742	Pulley	1
2	020800018	Nut	1
3	026200018	Washer	1
4	134100508	Key	1

NOTE: Obtain replacement parts from your local Perkins Dealer.



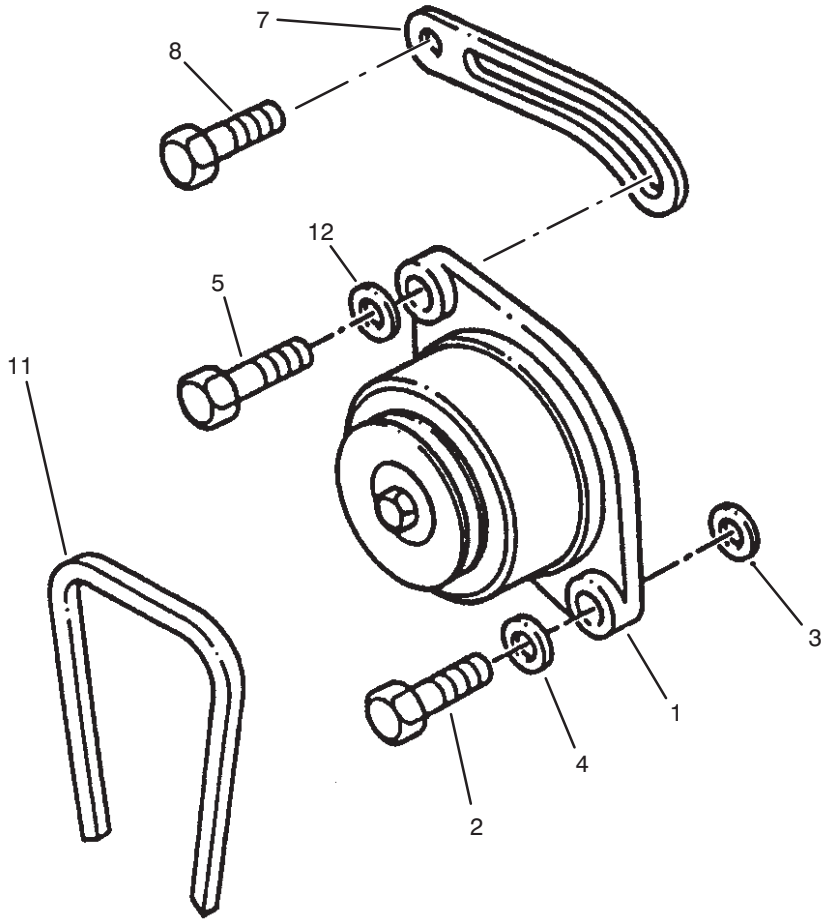
T—2177

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

Ref. No.	Part No.	Description	No. Used
10	145216161	Housing	1
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

NOTE: Obtain replacement parts from your local Perkins Dealer.



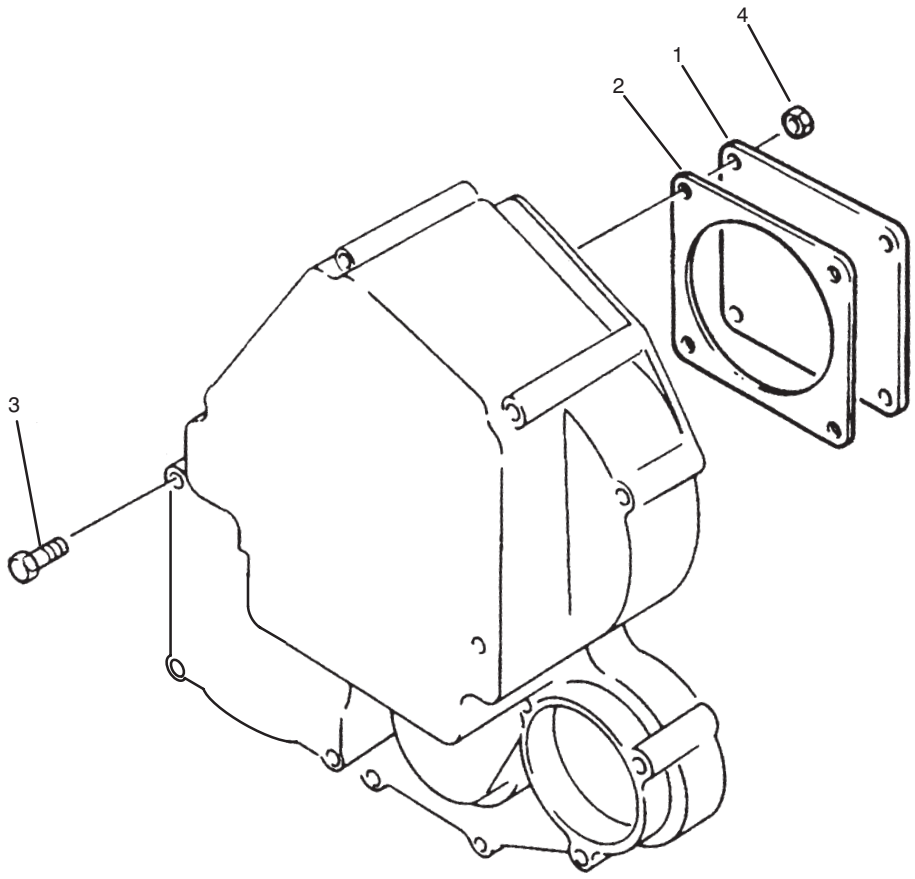
T–2192

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.



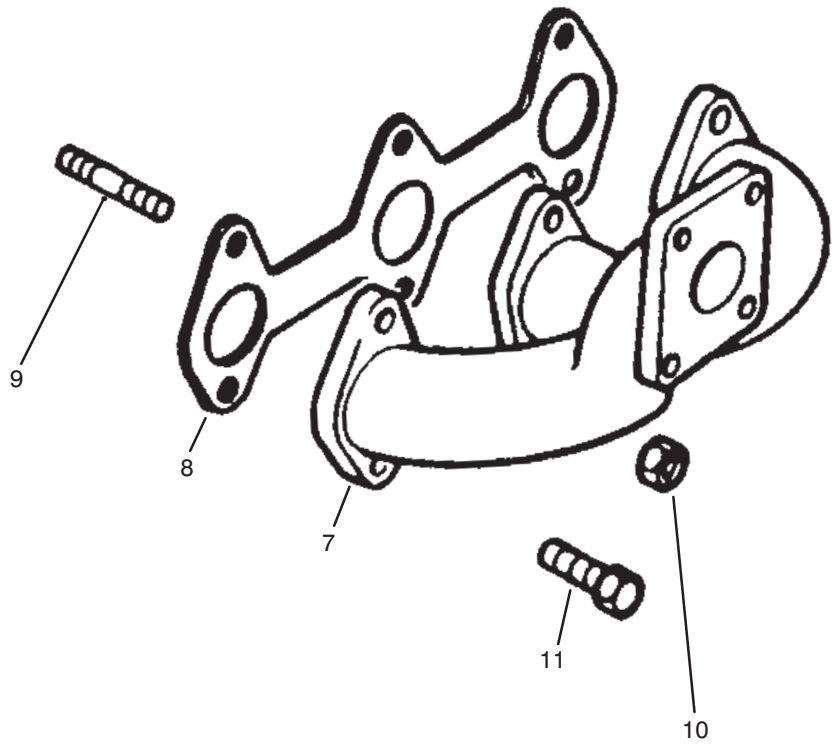
T–1398

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.

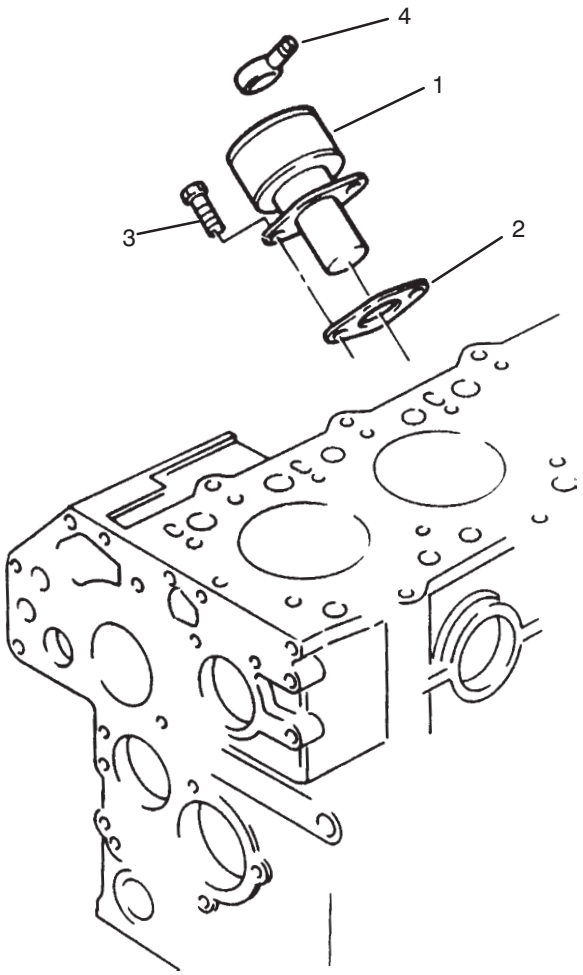


T–2193

EXHAUST MANIFOLD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
7	135616620	Manifold – Exhaust	1
8	135996520	Gasket	1
9	012110625	Stud	3
10	023100006	Nut	3
11	011310625	Screw	3

NOTE: Obtain replacement parts from your local Perkins Dealer.



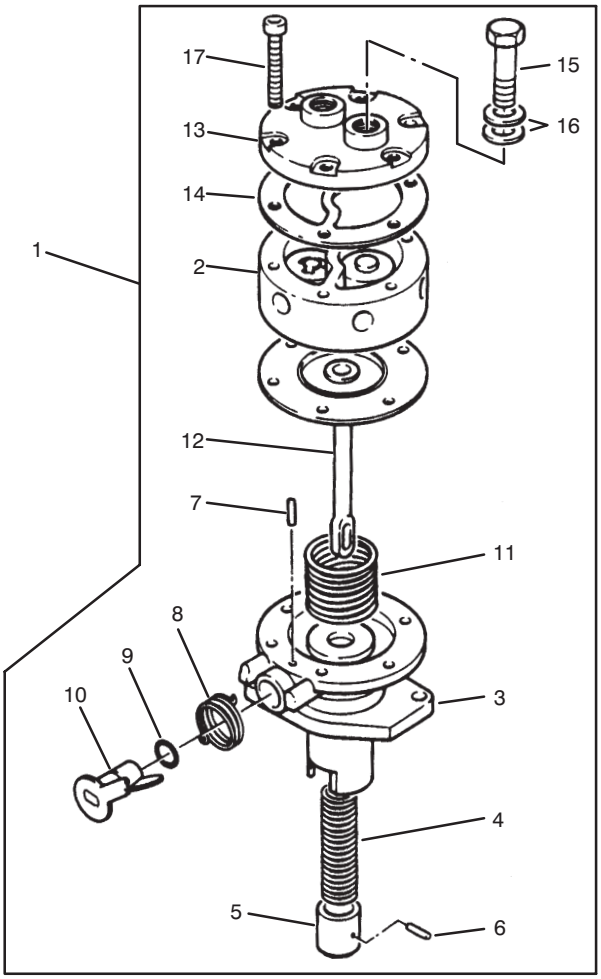
T–2179

LOW PRESSURE FUEL SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	130506140	Pump – Lift	1
2	130996070	Gasket	1

Ref. No.	Part No.	Description	No. Used
3	011140616	Screw	2
4	198486840	Connection	2

NOTE: Obtain replacement parts from your local Perkins Dealer.

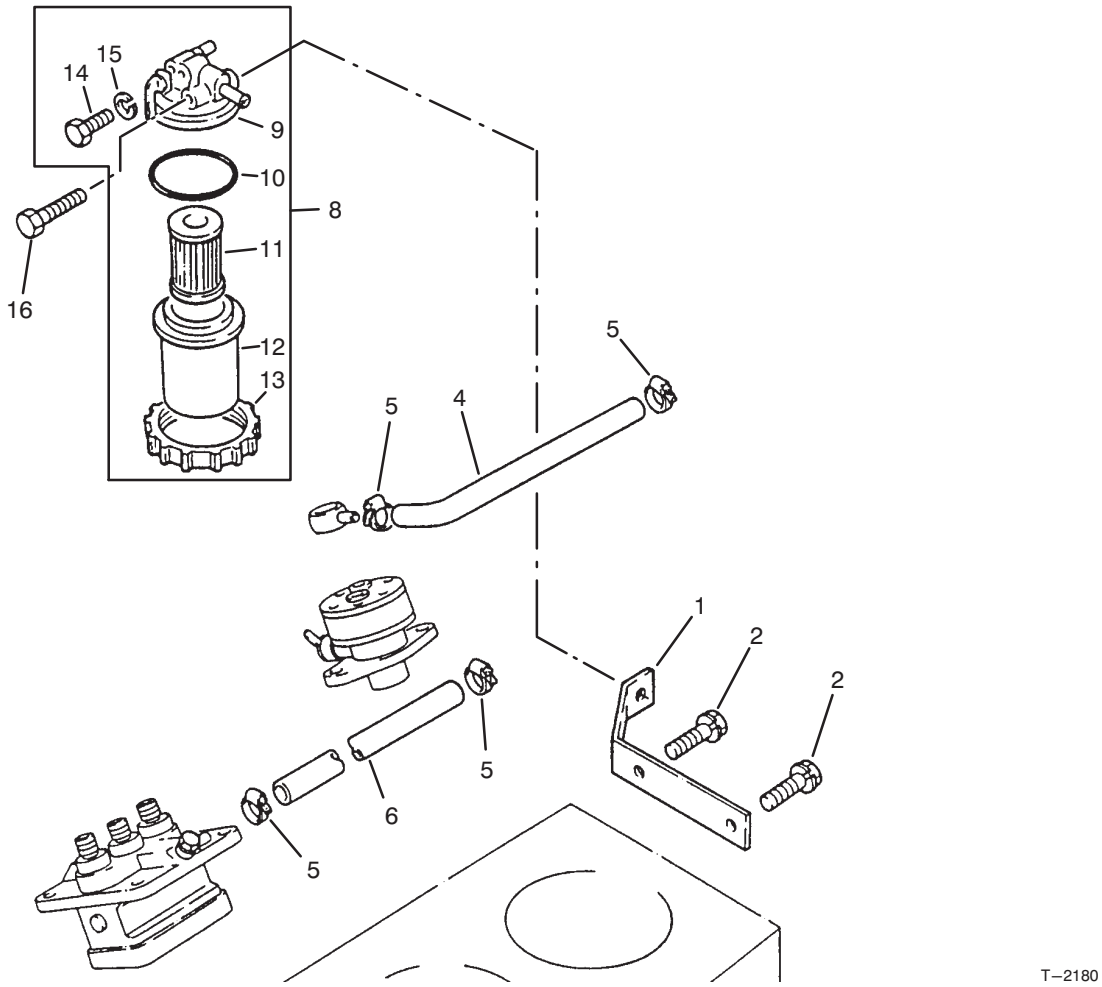


T−1401

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
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.

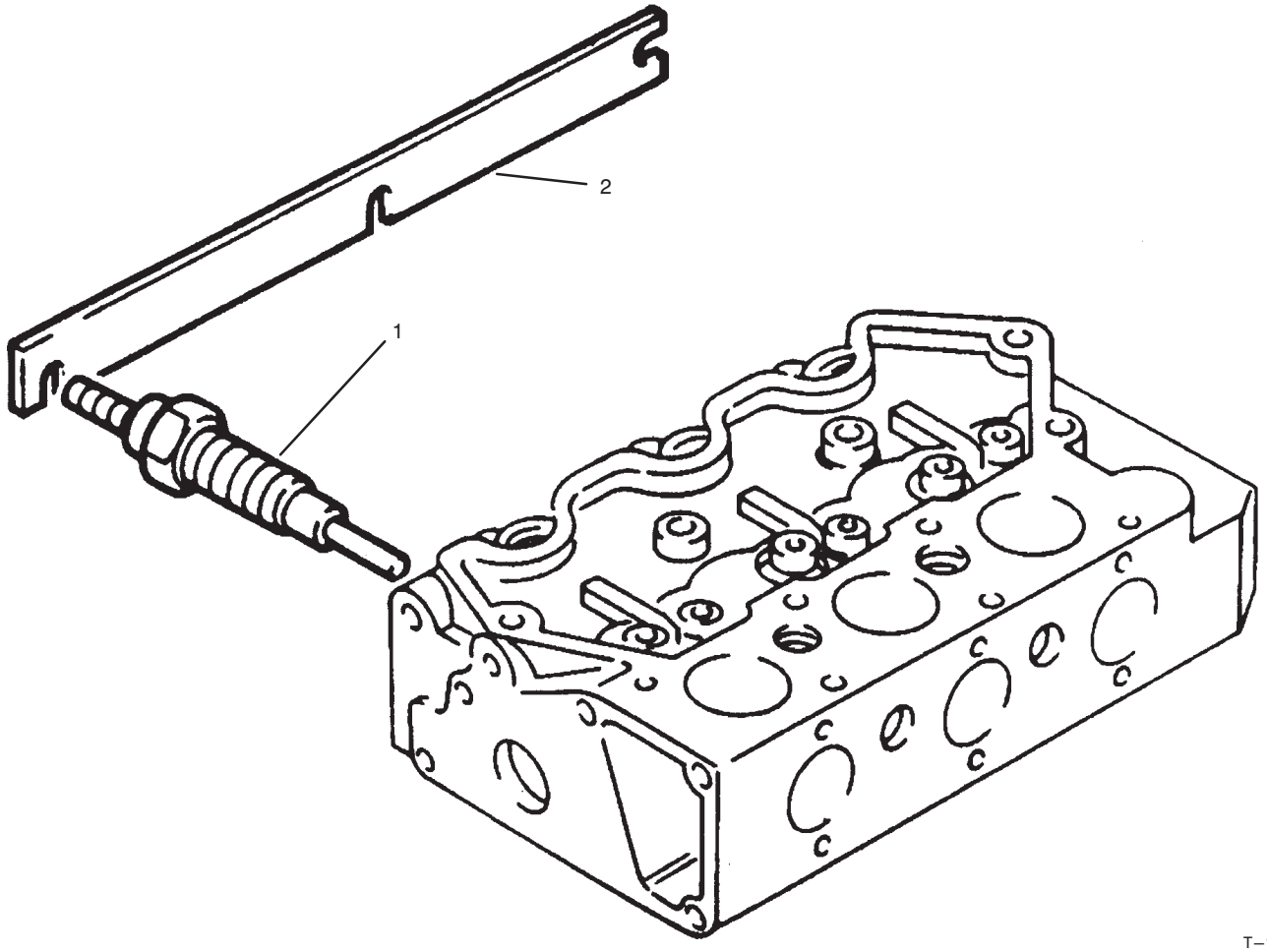


FUEL FILTER ASSEMBLY

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.

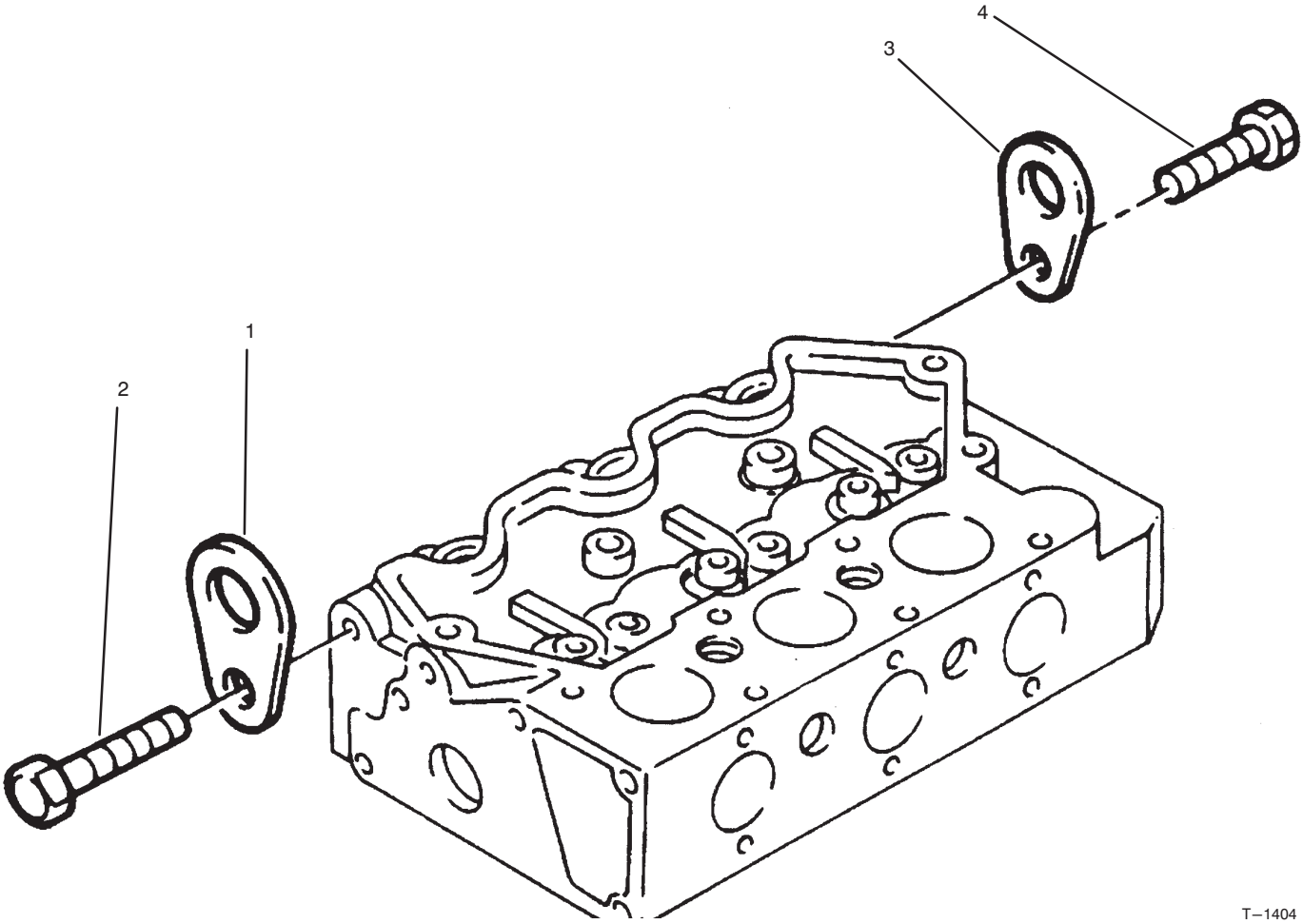


T–1403

COLD START SYSTEM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	185366190	Heater	3
2	185376170	Bar	1

NOTE: Obtain replacement parts from your local Perkins Dealer.

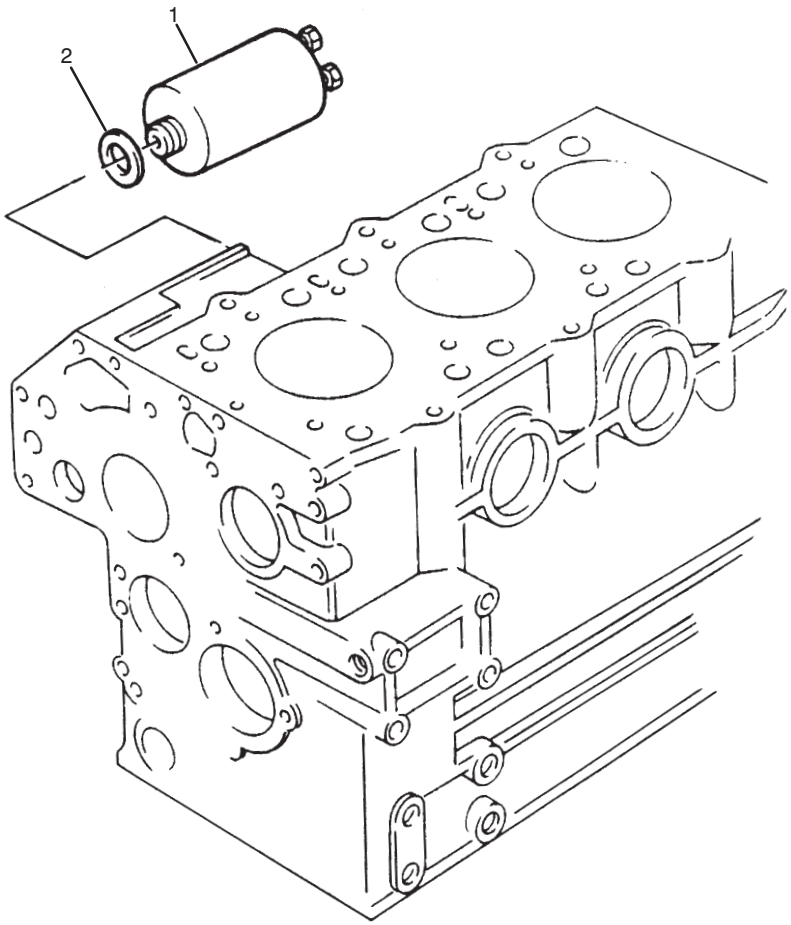


ENGINE LIFTING TAB ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	195816200	Plate	1
2	011310816	Screw	1

Ref. No.	Part No.	Description	No. Used
3	195816200	Plate	1
4	011310816	Screw	1

NOTE: Obtain replacement parts from your local Perkins Dealer.



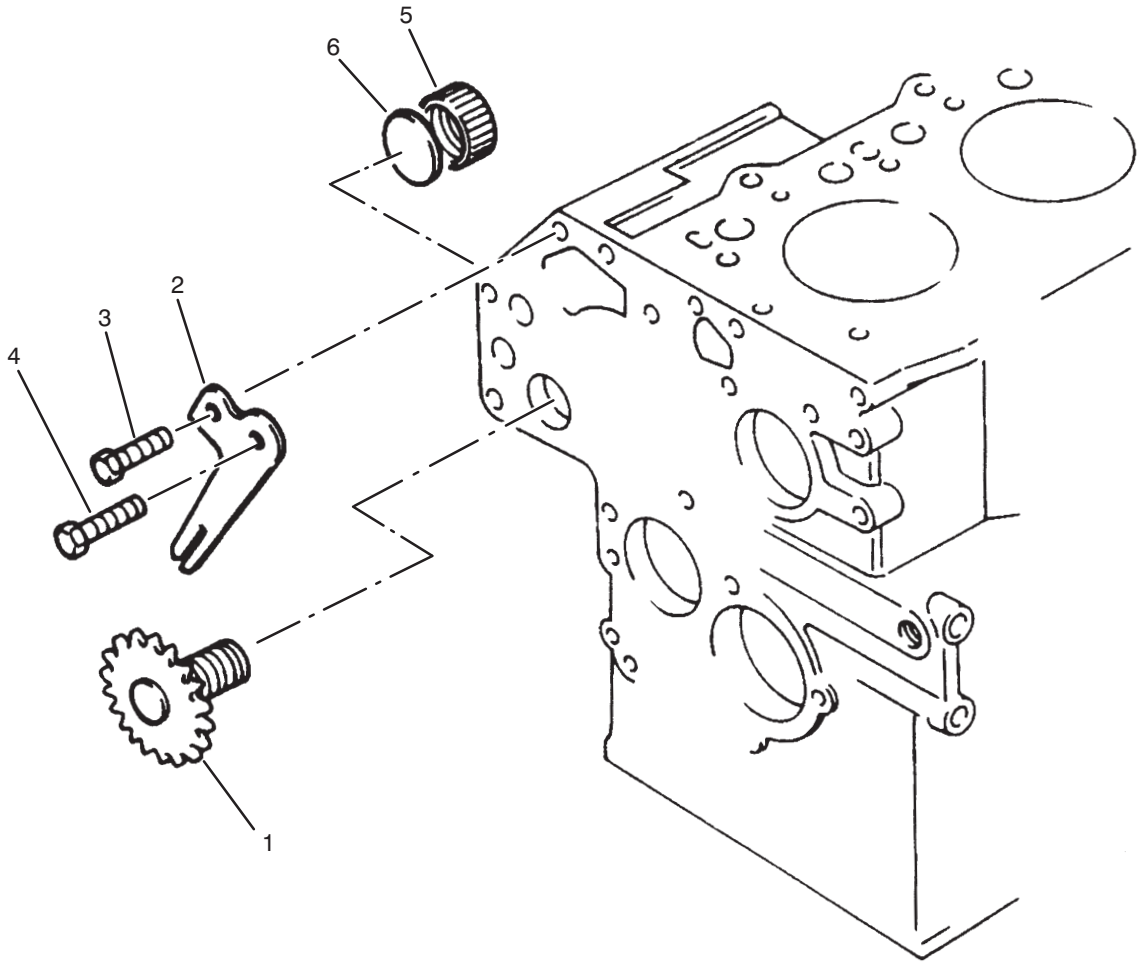
T–1405

THROTTLE STOP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	185206082	Solenoid	1

Ref. No.	Part No.	Description	No. Used
2	025100016	Washer	1

NOTE: Obtain replacement parts from your local Perkins Dealer.



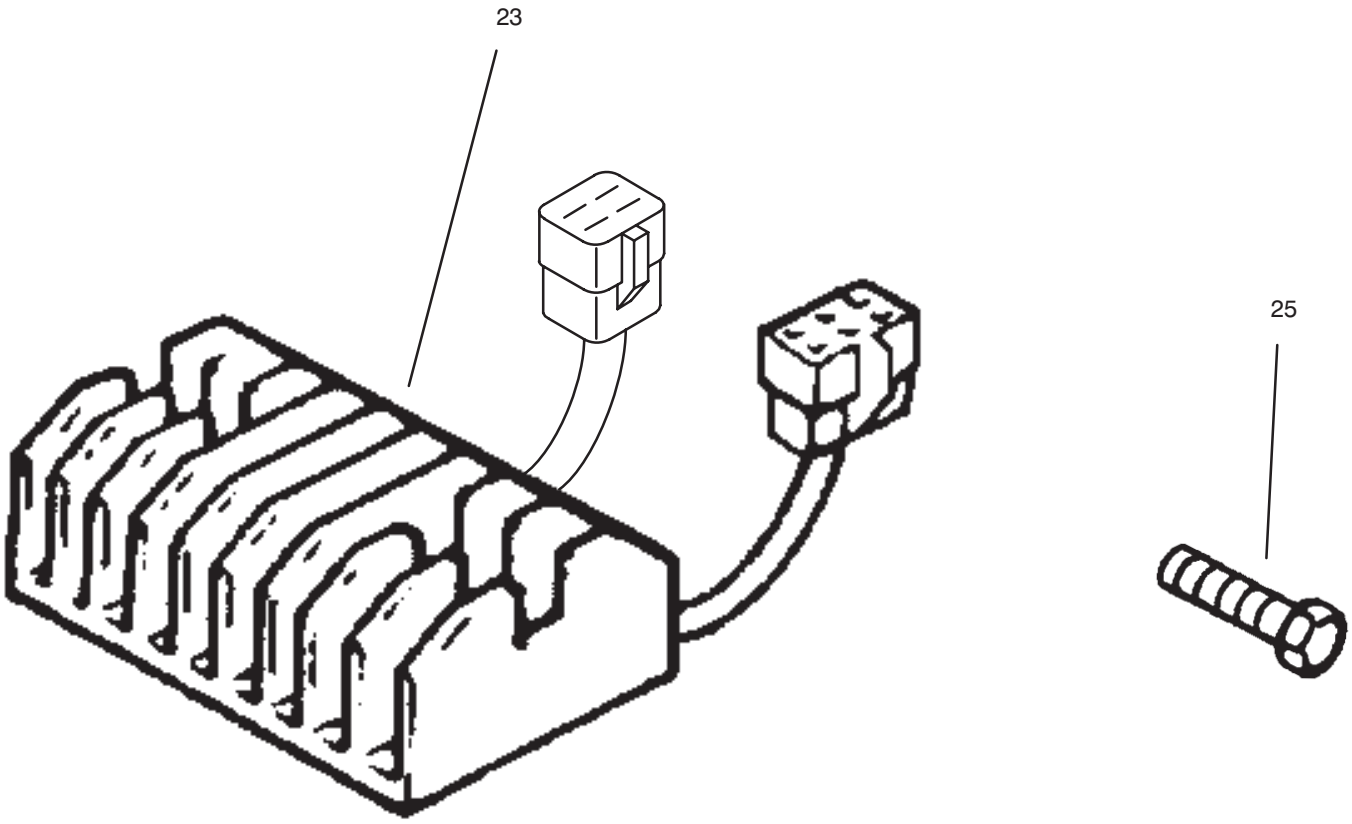
T–1406

RECORDER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	120076070	Shaft	1
2	199566651	Plate	1
3	011310612	Screw	1

Ref. No.	Part No.	Description	No. Used
4	010700610	Screw	1
5	199376230	Cap	1
6	120996060	Seal	1

NOTE: Obtain replacement parts from your local Perkins Dealer.



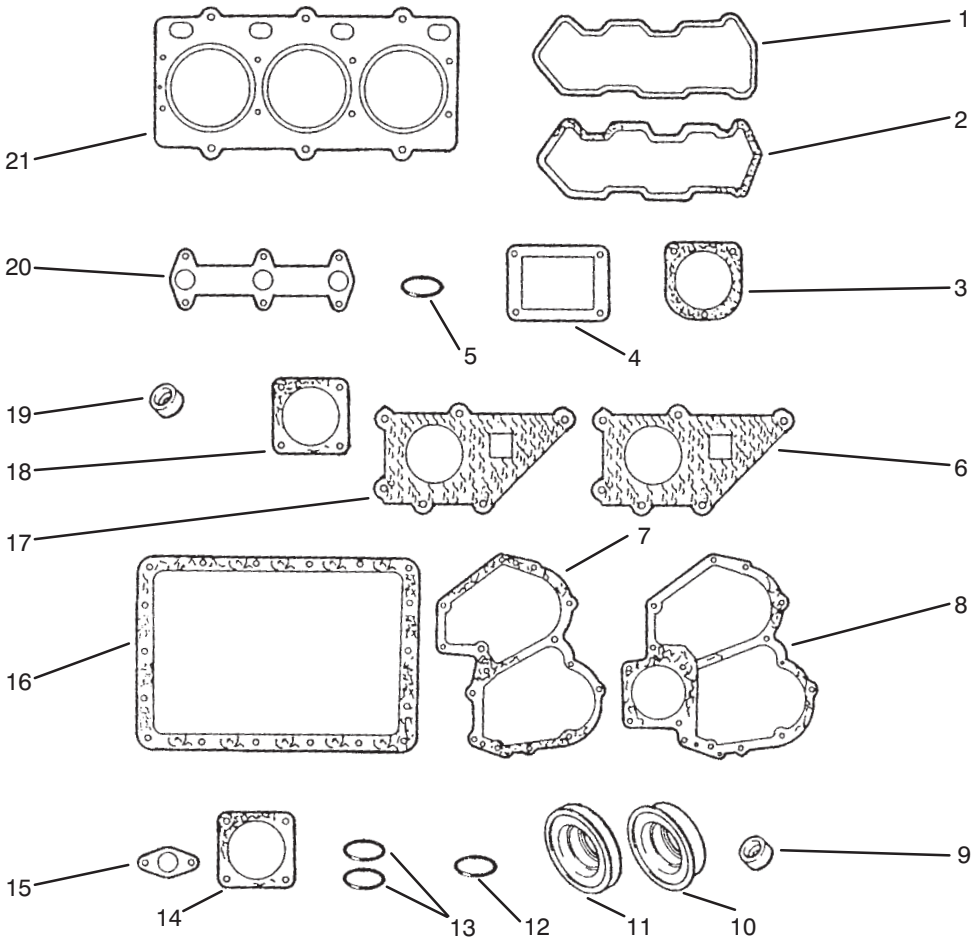
T–2194

ELECTRICAL COMPONENT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
23	185516140	Regulator	1

Ref. No.	Part No.	Description	No. Used
25	011310825	Screw	4

NOTE: Obtain replacement parts from your local Perkins Dealer.



T–1970

GASKET AND SEALS

Ref. No.	Part No.	Description	No. Used
1	111996060	Gasket	1
2	111996330	Gasket	1
3	145996440	Gasket	1
4	130996070	Gasket	1
5	052100400	Seal	1
6	145996430	Gasket	1
7	165996400	Gasket	1
8	165996410	Gasket	1
9	131426200	Gasket	3
10	198636080	Seal	1
11	198636090	Seal	1
12	052109076	O–Ring	1

Ref. No.	Part No.	Description	No. Used
13	052100100	O–Ring	2
14	165996420	Gasket	1
15	130996070	Gasket	1
16	110996590	Gasket	1
17	145996420	Gasket	1
18	314990013	Gasket	1
19	120406080	Seal	3
20	135996520	Gasket	1
21	111147390	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	24	36	3
3–6498	Washer – Thrust	24	12	1
5–3934	Bolt	7	5	1
10–6060	Pin – Ram Pivot	29	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
10–7880	Hinge – Upper	1	11	1
10–7890	Hinge – Lower	1	12	1
17–9420	Screw – Handle	2	18	1
18–6320	Washer – Steering	7	3	3
18–6380	Pin	24	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	23	33	1
33–3750	Race – Inner	23	28	1
39–2080	Dump Valve Assembly	23	21	1
41–4430	Plate – Washer	33	21	3
42–2720	Seal – Shaft	23	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	25	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
60–6330	Screw	23	4	4
63–2290	Washer – Thrust	31	19	1
63–8360	Key – Ignition	10	6	2
63–8410	Washer – Flat	16	4	3
63–8410	Washer – Flat	17	12	4
63–9750	Mount – Rubber	24	35	3
65–6390	Washer – Thrust	5	24	1
65–8320	Bar – Guage	29	*	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
69–2260	Seal – Load	21	2	2
69–2270	Seal – Pre–Load	21	1	2
69–2350	Ring – Sealing	21	3	2
69–4240	Seal Kit	14	*	1
69–9000	Spacer	27	10	4
69–9000	Spacer	26	12	4
69–9010	Washer	27	9	8
69–9010	Washer	26	11	8
70–1240	Plug Assembly	23	18	2
70–1480	Relay	15	1	8
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
74–3810	Assembly – Load Plate	28	9	1
74–5950	Latch – Swell	18	11	2
74–9100	Pad – Pedal Forward	2	3	1
74–9110	Pad – Pedal Reverse	2	2	1
75–2010	Cartridge – Relief 2000 psi	14	8	1
75–2080	Seal Kit	14	*	5
75–2090	Seal Kit	14	*	1
75–3420	Lever – Control	10	7	1
75–5470	Spacer	24	15	1
75–5470	Spacer	11	17	1
75–9440	Hub – Wheel	7	6	1
76–0800	Seal Kit	4	*	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	23	11	1
76–6080	Seal – Cover	23	5	1
76–6090	Cover – Trunion	23	25	1
76–6100	Cover – Trunion O–Ring	23	26	1
76–6140	O–Ring	23	27	1
76–6150	Pin – Dowel	23	15	2
76–6160	Screw – Cap	23	23	2
76–6170	Screw – Cap	23	22	2
76–6180	Washer	23	7	2
76–6190	Seal – Shaft	23	6	1
76–6200	Spring	23	19	2
76–8870	Lever Damper Assembly	24	4	1
80–8650	Coupling – Rubber	19	8	1
81–1690	Clamp – Throttle Cable	33	33	1
83–0730	Spacer – Lockup	5	8	1
83–0740	Disc – Friction	5	4	2
83–0760	Spacer – Lockup	5	3	1
83–0810	Cover – Steering Valve	5	16	1
83–1030	Mount – Engine	33	18	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
85–9720	Fitting – Hydraulic	31	17	1
86–5390	Kit – Seal, Repair	30	*	1
86–5390	Kit – Seal, Repair	32	*	1
88–1270	Decal – Safety	15	14	1
88–7200	Washer – Pivot	24	7	1
88–9190	Solenoid – 20 Watt	14	1	4
92–2538	Timer – Glow Plug	10	17	2
92–3154	Tab – Throttle	33	24	1
92–3188	Diode – Circuit Board	10	15	1
92–3188	Diode – Circuit Board	15	39	1
92–5753	Clamp – Hose Double	15	26	2
92–5753	Clamp – Hose, Double	33	42	1
92–5838	Ball Joint	7	10	2
92–6280	Seat	8	1	1
92–6315	Cartridge – N.C.	14	9	1
92–8020	Adapter – Breather	17	36	1
92–8795	Assembly – Body	28	10	1
92–8796	Pin – Dowel	28	14	2
92–8863	Repair Kit	28	*	1
92–8990	Adjuster – Seat	8	13	1
92–8991	Adjuster w/Latch	8	14	1
92–8995	Bushing – Straight	31	5	2
92–8995	Bushing – Straight	29	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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
92–9763	Rotor Set	4	*	1
92–9775	Warning Light Cluster	10	5	1
93–1375	Reel Motor	27	5	1
93–1375	Reel Motor	26	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	33	14	1
93–2031	Hose – Radiator	18	2	1
93–2035	Hose – Air Cleaner	25	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
93–2042	Hose – Fuel	33	10	1
93–2043	Hose – Fuel	33	9	1
93–2048	Cap – Overflow Tank	16	19	1
93–2049	Tank – Overflow	16	21	1
93–2050	Screen	18	10	1
93–2055	Reed Switch – Sensor	11	9	2
93–2056	Reed Switch – Actuator	11	10	1
93–2058	Bracket – Traction	11	15	1
93–2064	Spring – Detent	11	16	1
93–2068	Hose – Pump Inlet	19	24	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
93–2071	Fitting – Hydraulic Barb	18	3	2
93–2072	Shield – Wheel RH	1	17	1
93–2073	Shield – Wheel LH	1	16	1
93–2075	Brake Pedal	1	21	1
93–2080	Brake Latch	1	13	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	24	29	1
93–2103	Bushing – Straight	24	10	1
93–2111	Stud – Traction	24	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
93–2133	Ball Joint	31	15	1
93–2133	Ball Joint	29	20	2
93–2135	Support – Seat	8	4	1
93–2141	Plate – Floor	2	9	1
93–2142	Pad – Floor Plate	2	8	1
93–2150	Engine – Perkins	33	1	1
93–2151	Plate – Backing	33	3	1
93–2152	Adapter – Fan	33	2	1
93–2155	Engine Mount – Front	33	13	1
93–2160	Engine Mount – Rear	33	11	1
93–2169	Bracket – Relay	15	4	1
93–2170	Pump Adapter	19	10	1
93–2173	Plate – Pump	33	27	1
93–2177	Spacer – Upper	33	28	2
93–2178	Spacer – Lower	33	29	2
93–2183	Pipe – Exhaust	25	12	1
93–2185	Exhaust Bracket	25	11	1
93–2190	Air Cleaner Assembly	25	6	1
93–2191	Mounting Band Assembly	25	5	1
93–2195	Element – Air Cleaner	25	*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	33	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	26	18	1
93–2240	Manifold Assembly	13	1	1
93–2242	Filter Assembly – Oil	17	8	1
93–2246	Hydraulic Cylinder Assembly	29	1	2
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	29	24	2
93–2255	Hose Assembly	29	3	1
93–2255	Hose Assembly	13	26	1
93–2255	Hose Assembly	15	36	1
93–2256	Hose Assembly	29	4	1
93–2256	Hose Assembly	13	25	1
93–2256	Hose Assembly	15	35	1
93–2258	Hose Assembly	31	20	1
93–2258	Hose Assembly	13	24	1
93–2259	Hose Assembly	27	4	2
93–2260	Hose – Expansion Tank	16	5	1
93–2260	Hose – Expansion Tank	18	25	1
93–2262	Hose Assembly	26	15	2
93–2263	Hose Assembly	26	17	2
93–2264	Hose Assembly	26	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	33	35	1
93–2299	Fitting – Fuel	16	11	1
93–2300	Radiator	18	4	1
93–2310	Radiator Support	18	8	1
93–2320	Shroud – Fan	18	19	1
93–2322	Cable – Throttle Control	33	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	33	38	1
93–2343	Cable – Battery Positive	15	21	1
93–2343	Cable – Battery Positive	33	39	1
93–2344	Cable – Battery Negative	15	22	1
93–2344	Cable – Battery Negative	33	37	1
93–2350	Carrier – Center	31	7	1
93–2360	Carrier – LH	29	12	1
93–2361	Bushing – Flange	31	6	2
93–2361	Bushing – Flange	29	10	4
93–2362	Roller – Anti Scalp	31	11	4
93–2362	Roller – Anti Scalp	29	17	8
93–2363	Shaft – Roller	31	12	2
93–2363	Shaft – Roller	29	16	4
93–2368	Bushing – Flange	31	10	2
93–2368	Bushing – Flange	29	14	4
93–2369	Carrier – RH	29	11	1
93–2380	Pin	29	6	2
93–2384	Spacer – Carrier	29	28	2

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
93–2400	Lockup Handle	5	2	1
93–2403	Lift Arm – Center	31	4	1
93–2405	Lift Arm – RH	29	21	1
93–2407	Lift Arm – LH	29	22	1
93–2422	Rod – Seat Pivot	8	10	2
93–2423	Hose – Air Cleaner	25	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	26	3	2
93–2551	Seal – Basket	29	37	2
93–2551	Seal – Basket	31	38	1
93–2552	Retainer	29	36	2
93–2552	Retainer	31	37	1
93–2553	Grass Basket Assembly	29	35	2
93–2553	Grass Basket Assembly	31	36	1
93–2578	Shroud – Console	8	19	1
93–2586	Hydrostat	19	16	1
93–2587	Gear Pump – 2 Section	19	28	1
93–2589	Hub – Pump	19	4	1
93–3102	Fuel Cap – Diesel	16	1	1
93–3614	Assembly – Cover	28	4	1
93–3615	Assembly – Drive Shaft	28	7	1
93–3616	Assembly – Idler Gear	28	6	1
93–5447	Insert – Threaded	8	28	2
93–6668	Decal – Battery	15	33	1
93–6681	Decal – Warning	18	6	1
93–6686	Decal – Hydraulic Oil	8	24	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
93–7494	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	29	29	2
93–8064	Decal – Warning	31	29	1
93–8068	Decal – Steering Arm	5	20	1
93–8069	Decal – Hot Surface	25	9	1
93–9051	Decal – Eccentric Bolt	24	28	1
94–1300	Neutral Lock	2	27	1
94–1304	Cable – Neutral Lock	11	22	1
94–1304	Cable – Neutral Lock	2	24	1
94–1307	Cable Support	24	9	1
94–1312	Spacer – Pivot	24	5	1
94–1316	Bracket – Bulkhead	27	6	1
94–1317	Tube – Hydraulic	27	7	1
94–1317	Tube – Hydraulic	13	15	1
94–1318	Tube – Hydraulic	26	20	1
94–1318	Tube – Hydraulic	27	21	1
94–1319	Tube – Hydraulic	26	21	1
94–1320	Tube – Hydraulic	26	22	1
94–1320	Tube – Hydraulic	13	34	1
94–1321	Tube – Hydraulic	27	20	1
94–1321	Tube – Hydraulic	26	23	1
94–1325	Push Mount Tie	15	16	2
94–1328	Hose Assembly	27	8	1
94–1332	Hose Assembly	19	27	1
94–1332	Hose Assembly	13	33	1
94–1339	Muffler Shield	25	8	1
94–1348	Hose – Tank	16	17	1
94–1349	Hose – Breather	18	24	1
94–1351	Decal – Service	8	25	1
94–1353	Handle	11	7	1
94–1364	Plate	16	13	1
94–1369	Spring – Ext.	24	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	33	17	1
94–1398	Tube – Pivot	31	22	1
94–1414	Valve	25	22	1
94–2579	Decal – Toro	8	27	1
94–2627	Cartridge	14	3	1
94–3011	Plug	22	18	1
94–3452	Pin – Cylinder	31	21	1
94–3456	Tube – Pivot	24	2	1
94–3461	Steering Cover	5	14	1
94–3473	Elbow Assembly – Radiator	18	26	1
94–3477	Hose Assembly	13	22	1
94–3477	Hose Assembly	31	26	1
94–3480	Guard – Alternator	18	29	1
94–3483	Pull Arm	31	9	1
94–3483	Pull Arm	29	13	2
94–3486	Plate	24	34	1
94–3488	Lever – Pump	24	6	1
94–3489	Screw – HH	2	26	1
94–3491	Bracket – Spring	24	19	1
94–3641	Housing Assembly	23	29	1
94–3643	Plate – Cam	23	10	1
94–3644	Seat	23	20	2
94–3645	Key	23	1	1
94–3646	Key	23	9	1
94–3652	Cover Assembly	25	21	1
94–3653	Bolt	25	15	1
94–3654	Spring – Compression	25	16	1
94–3661	Seal Kit	14	*	1
94–4353	Hose – Fuel	16	18	1
94–4398	Kit – Seal, Repair	7	*32	1
94–4517	Hose – Formed	17	21	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	24	11	1
94–4528	Plug	18	14	2
94–4538	Spacer – Mount	33	41	3
94–4539	Hose Assembly	27	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	29	7	2
94–4548	Bumper – Recessed	31	34	1
94–4561	Decal – Service (Danish)	8	25	1
94–4562	Decal – Service (Dutch)	8	25	1
94–4563	Decal – Service (Finnish)	8	25	1
94–4564	Decal – Service (French)	8	25	1
94–4565	Decal – Service (German)	8	25	1
94–4566	Decal – Service (Italian)	8	25	1
94–4567	Decal – Service (Japanese)	8	25	1
94–4568	Decal – Service (Norwegian)	8	25	1
94–4569	Decal – Service	8	25	1
94–4570	Decal – Service (Spanish)	8	25	1
94–4571	Decal – Service (Swedish)	8	25	1
94–4828	Repair Kit	21	*	1
94–4929	Kit – Seal	6	*	1
94–5350	Fitting – Bulkhead Tee	27	28	2
94–5352	Retainer – Hose	27	29	1
94–5353	Tube – Hydraulic	27	31	1

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
94–5354	Tube – Hydraulic	27	32	1
94–5355	Hose Assembly	19	26	1
94–5356	Hose Assembly	19	35	1
94–5357	Hose Assembly	27	26	2
94–5357	Hose Assembly – RH	3	7	2
94–5358	Hose Assembly	27	30	2
94–5358	Hose Assembly – LH	3	8	2
94–5359	Bracket – Air Cleaner	25	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	Cartridge Valve Assembly	14	15	1
94–6354	Plug – Orifice	14	14	1
94–6357	Hydraulic Cylinder Assembly	31	2	1
94–6358	Gasket	19	2	1
94–6359	Shaft – Drive	23	2	1
94–6360	Plate – Valve	23	13	1
94–6361	Back Plate Assembly	23	16	1
94–6362	Seal Repair Kit	23	*	1
94–6363	Bearing	23	3	1
94–6368	Bearing	23	14	1
94–6383	Hose Assembly	13	30	1
94–6383	Hose Assembly	20	44	1
94–6384	Hose Assembly	19	25	1
94–6385	Valve – Relief	20	40	1
94–6386	Cartridge – Relief Valve	20	46	1
94–6390	Gear Pump – 2 Section	19	*	1
94–6953	Console	10	1	1
94–8077	Decal – Console	10	14	1
94–8153	Muffler	25	7	1
94–8155	Bracket – Bulkhead	27	14	1
94–8156	Shield – Dust	33	43	1
94–8158	Screw – Cap	22	11	8
94–8160	Washer	22	17	4
94–8161	Kit – Seal Repair	22	*	1
94–8167	Hose Assembly	19	37	1
94–8168	O–Ring	19	*	1
94–8174	Hose – Pump Inlet	19	*	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	25	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	27	25	1
237–21	O–Ring	26	29	4
237–21	O–Ring	31	30	2
237–21	O–Ring	29	31	4
237–21	O–Ring	7	31	2
237–21	O–Ring	5	35	2
237–22	O–Ring	13	19	1
237–22	O–Ring	26	25	1
237–22	O–Ring	17	26	1
237–22	O–Ring	19	31	7
237–30	O–Ring	27	22	2
237–30	O–Ring	26	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	26	26	1
237–42	O–Ring	5	36	1
237–42	O–Ring	20	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	27	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	27	24	1
237–78	O–Ring	26	30	4
237–78	O–Ring	29	30	4
237–78	O–Ring	7	30	2
237–78	O–Ring	31	31	2
237–79	O–Ring	14	11	1
237–79	O–Ring	27	23	2
237–79	O–Ring	26	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	27	11	4
240–3	Grommet – Rubber	26	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	24	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
2412–39	Clamp – R	15	37	2
2412–41	Clamp – R	18	16	1
2412–92	Clamp – Hose	25	19	2
2412–92	Clamp – Hose	18	35	1
2412–104	Clamp – R	15	20	3
2412–107	Clamp – R	33	46	1
2412–108	Clamp – Hose	18	20	3
2412–108	Clamp – Hose	16	22	3
2412–108	Clamp – Hose	33	34	6
2412–129	Clamp – Hose	17	23	2
2412–133	Clamp – R	8	17	2
2412–134	Clamp – R	27	15	2
2412–137	Clamp – Tube, Double	27	34	1
251–259	Bearing – Ball	24	16	1
251–259	Bearing – Ball	11	19	1
252–66	Bearing – Thrust	23	32	1
252–71	Race – Bearing	23	31	2
252–95	Bearing – Thrust	23	8	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

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
256–311	Bushing – Straight	11	8	1
256–311	Bushing – Straight	2	13	4
282–2	Clevis	1	19	2
283–8	Pin – Clevis	31	3	1
283–8	Pin – Clevis	29	9	2
283–61	Pin – Clevis	1	18	2
283–72	Pin – Lynch	8	9	1
283–87	Pin – Clevis	1	23	2
285–17	Plug	25	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˚	31	32	1
302–60	Fitting – Grease 90˚	29	33	2
302–60	Fitting – Grease, 90˚	7	11	2
322–2	Screw – HH	8	2	2
323–4	Screw – HH	5	18	2
323–4	Screw – HH	24	20	2
323–11	Screw – HH	33	19	3
325–4	Screw – HH	5	10	2
325–6	Screw – HH	29	26	2
325–6	Screw – HH	31	27	1
327–17	Screw – HH	31	24	1
3210–6	Screw – HH	24	8	1
3211–2	Screw – HH	29	15	8
3211–2	Screw – HH	31	25	4
3213–1	Screw – HH	31	14	1
3213–1	Screw – HH	29	19	2
3217–6	Nut – Hex.	25	14	4
3218–2	Nut – Hex Jam	15	2	2
3218–5	Nut – Jam	29	27	2
3218–5	Nut – Jam	31	28	1
3219–14	Nut – Hex.	2	40	1
3219–14	Nut – Jam	11	23	1
3220–1	Nut – Jam	24	38	1
3220–1	Nut – Jam	2	39	1
3220–2	Nut – Jam	1	3	2
3220–2	Nut – Jam	24	32	1
3220–6	Nut – Jam	7	17	4
3220–20	Nut – Jam	3	15	2
3241–6	Screw – SQH	19	5	2
3242–2	Screw – Set	5	22	1
3253–4	Washer – Lock	25	13	4
3253–4	Washer – Spring Lock	25	26	4
3254–2	Washer – Lock	15	13	1
3254–3	Washer – Lock	33	6	1
3256–1	Washer – Flat	26	2	2
3256–1	Washer – Flat	17	15	3
3256–1	Washer – Flat	8	23	3
3256–1	Washer – Flat	2	28	2
3256–3	Washer – Flat	19	7	4
3256–7	Washer – Flat	31	8	1
3256–22	Washer – Flat	18	15	4
3256–22	Washer – Flat	27	19	2
3256–22	Washer – Flat	24	31	1
3256–22	Washer – Flat	20	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	18	36	1
3256–23	Washer – Flat	33	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	33	31	8
3256–27	Washer – Flat	1	24	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	31	16	1
3272–11	Pin – Cotter	29	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
3290–55	Rivet – Pop	29	38	16
3290–55	Rivet – Pop	31	39	8
3290–93	Screw – HH	10	24	4
3290–277	Nut – Speed	5	25	6
3290–354	Plate – Nut	10	22	2
3290–357	Nut – Lock, Flange	33	20	3
3290–378	Tie – Cable	33	7	2
3290–378	Tie – Cable	10	12	2
3290–378	Tie – Cable	8	18	1
3290–378	Tie – Cable	15	31	2
3290–378	Tie – Cable	7	33	1
3290–378	Tie – Cable	27	36	1
3290–378	Tie – Cable	18	37	1
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	33	23	1
3296–4	Nut – Lock Elastic	24	14	1
3296–12	Nut – Lock	8	8	9
3296–13	Nut – Lock	24	27	1
3296–13	Nut – Lock	2	30	1
3296–19	Nut – Lock	31	13	1
3296–19	Nut – Lock	29	18	2
3296–21	Nut – Lock	33	5	1
3296–27	Nut – Lock	11	4	1
3296–29	Nut – Lock	8	15	4
3296–29	Nut –Hex	24	25	1
3296–53	Nut – Hex	31	23	1
3296–67	Nut – Lock NI	7	9	1
32105–13	Screw – HH	15	18	2
32105–13	Screw – HH	33	22	1
32120–8	Ring – Retaining	30	7	1
32120–8	Ring – Retaining	32	7	1
32120–72	Ring – Retaining, Ext.	31	18	2
32121–6	Pin – Roll	31	33	2
32121–6	Pin – Roll	29	34	4
32121–7	Pin – Spring	8	11	2
32121–45	Roll Pin	2	5	1
32128–20	Nut – Lock	2	25	2
32136–9	Nut – Hex	7	1	1
32141–111	Nut – Adjustable	1	7	1
32144–14	Screw – HH	25	1	2
32144–14	Screw – HH	27	3	6
32144–14	Screw – HH	17	4	2
32144–14	Screw – HH	15	5	13
32144–14	Screw – HH	16	6	3
32144–14	Screw – HH	18	7	2
32144–14	Screw – HH	29	8	4
32144–14	Screw – HH	1	10	5
32144–14	Screw – HH	2	10	8

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

Part No.	Description	Pg. No.	Ref. No.	Qty.
32144–14	Screw – HH	8	21	2
32144–14	Screw – HWH	33	44	3
32144–21	Screw – PPH	5	28	2
32144–44	Screw – HWH	29	32	2
32144–44	Screw – HWH	31	35	1
32149–8	Nut – Keps	10	8	2
32149–8	Nut – Keps	11	18	2
32151–13	Ring – Retaining	23	35	1
32151–29	Ring – Retaining	23	30	2
32151–41	Ring – Retaining	28	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	24	1	1
33023–00	Nut – Lock	15	3	8
33023–00	Nut – Lock	2	15	2
33023–00	Nut – Lock	18	27	4
33023–00	Nut – Lock	20	45	2
33023–00	Nut – Lock NI	26	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	27	18	2
33024–00	Nut – Lock	25	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	33	16	14
33024–00	Nut – Lock	2	17	4
33024–00	Nut – Lock	24	21	3
33024–00	Nut – Lock	27	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	24	37	3
33025–00	Nut – Lock NI	11	13	1
33026–00	Nut – Lock	33	32	4
33113–008	Screw – HH	11	3	2
33113–008	Screw – HH	26	19	1
33113–016	Screw – HH	15	12	6
33113–016	Screw – HH	17	14	1
33113–016	Screw – HH	27	17	2
33113–016	Screw – HH	17	18	2
33113–016	Screw – HH	18	22	4
33113–016	Screw – HH	8	22	3
33113–016	Screw – HH	33	26	4
33113–020	Screw – HH	3	16	8
33113–030	Screw – HH	24	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	26	1	2
33113–050	Screw – HH	20	42	2
33114–016	Screw – HH	13	12	2
33114–016	Screw – HH	16	15	2
33114–016	Screw – HH	18	28	2
33114–016	Screw – HH	2	32	4
33114–020	Screw – HH	10	2	4
33114–020	Screw – HH	25	4	4
33114–020	Screw – HH	1	9	1
33114–020	Screw – HH	19	11	6
33114–020	Screw – HH	33	15	14
33114–020	Screw – HH	18	18	6
33114–020	Screw – HH	24	24	1
33114–020	Screw – HH	33	25	3
33114–020	Screw – HH	27	35	1
33114–025	Screw – HH	24	22	1
33114–025	Screw – HH	25	25	8
33114–030	Screw – HH	19	12	2
33114–030	Screw – HH	3	17	2
33114–030	Screw – HH	11	20	1
33114–030	Screw – HH	24	23	1
33114–070	Screw – HH	33	12	1
33115–016	Screw – HH	2	36	1
33115–020	Screw – HH	33	8	5
33115–020	Screw – HH	17	16	2
33115–025	Screw – HH	17	11	4
33115–025	Screw – HH	16	16	3
33115–035	Screw – HH	24	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	33	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	26	16	1
340–4	Fitting – Hydraulic	26	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	27	2	1
340–74	Nut – Bulkhead	27	1	4
340–74	Nut – Bulkhead	26	10	4
340–77	Fitting – Hydraulic 90˚	13	6	1
340–77	Fitting – Hydraulic 90˚	19	38	1
340–92	Fitting – Hydraulic	26	7	4
340–92	Fitting – Hydraulic	13	9	3
340–92	Fitting – Hydraulic	27	12	1
340–94	Fitting – Tee	20	43	1
340–98	Fitting – Hydraulic 90˚	26	6	2
340–98	Fitting – Hydraulic 90˚	27	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˚	31	1	1
340–132	Fitting – Hydraulic 90˚	29	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
353–599	Pin–Dowel	28	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	26	5	1
353–991	Plug	14	4	9
354–46	Ring–Seal	28	8	1
354–50	Screw–Hex Socket Hd.	28	1	4
354–51	Washer	28	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 & Oil Cooler Assembly	18
Hydraulic Pump & Hydrostat Assembly	19
Gear Pump Assembly No. 93–2587	20
Hydrostat Assembly No. 93–2586	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. 93–2246	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
Rear Plate & Seal	41
Flywheel Assembly	42
Starter Installation Assembly	43
Oil Sump Assembly	44
Valve Cover Assembly	45
Oil Filter Assembly	46
Front Drive Pulley Assembly	47
Water Pump Assembly	48
Alternator Assembly	49
Timing Cover Plate Assembly	50
Exhaust Manifold Assembly	51
Low Pressure Fuel System Assembly	52
Lift Pump Assembly	53
Fuel Filter Assembly	54
Cold Start System Assembly	55
Engine Lifting Tab Assembly	56
Throttle Stop Assembly	57
Recorder Assembly	58
Electrical Component Assembly	59
Gasket and Seals	60
TORO Part Number Index	61–66

Compliance with Radio Interference Regulations Certified.
Certifie Conforme au Reglement sur le Brouillage Radioelectrique.

Litho in U.S.A.

MAINTENANCE RECORD

Date								