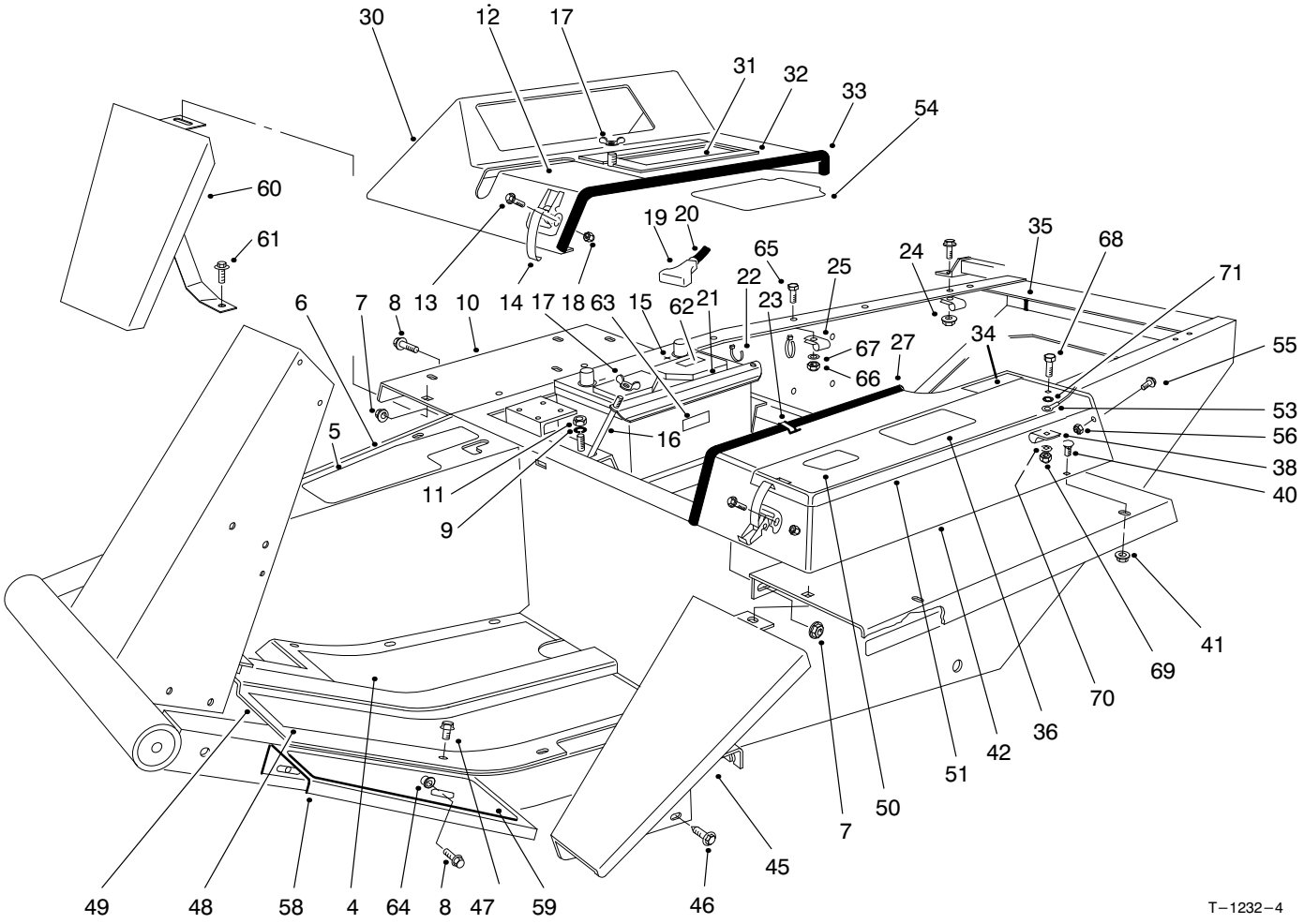
FORM NO. 3323–224

TORO®

MODEL NO. 30741–90001 & UP

PARTS CATALOG

GROUNDSMASTER® 325D Intl. 4WD
TRACTION UNIT



T–1232–4

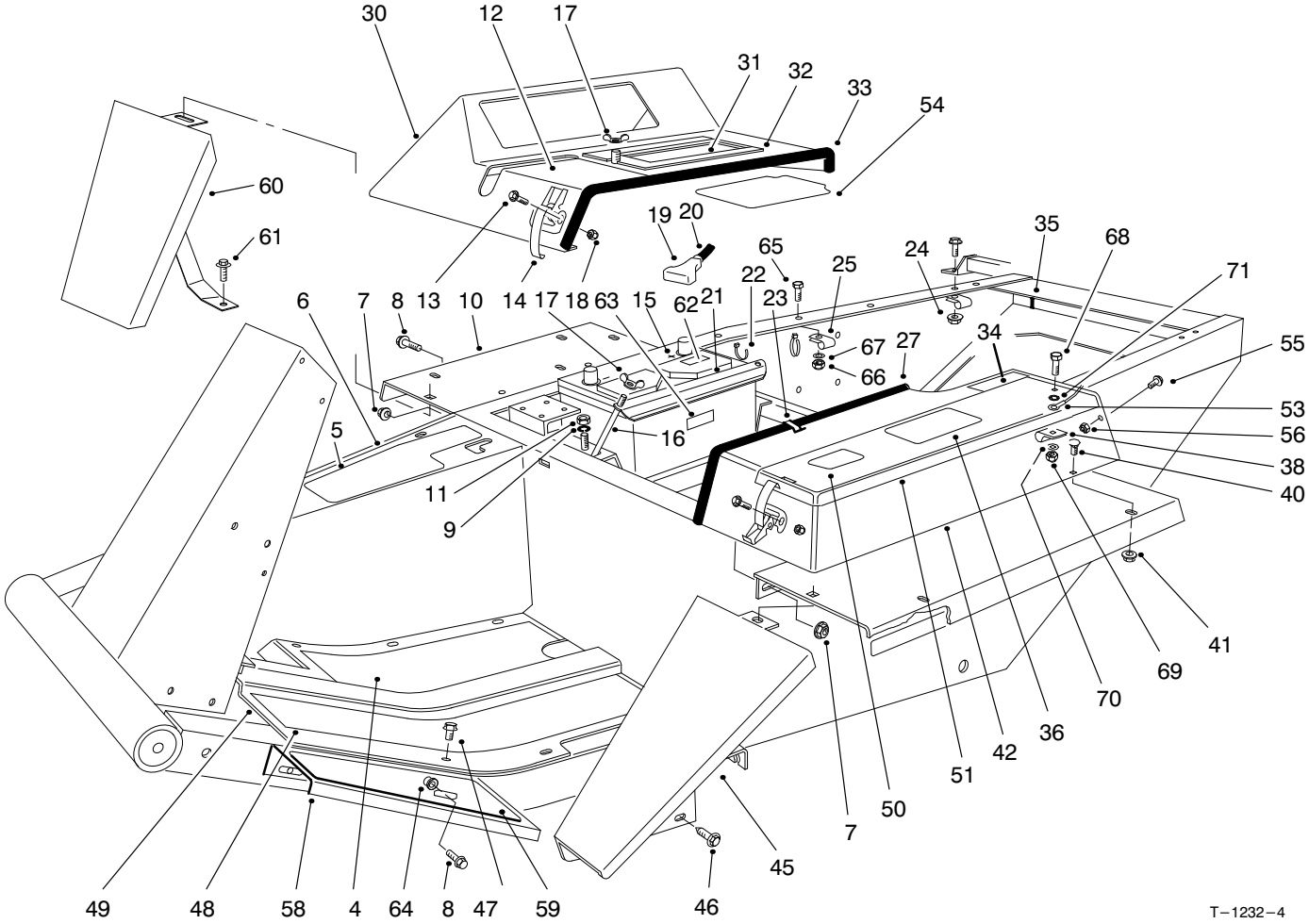
MAIN FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
4	21–2770	Pad–Foot Rest RH	1
5	93–7832	Decal–Caution	1
6	21–2660	Footrest	1
7	32128–19	Nut–HFH	6
8	3234–12	Screw–HFH	5
9	3253–4	Washer–Lock	2
10	72–3690	Fender	2
11	3217–6	Nut–Hex.	2
12	93–7806	Decal–Power Take Off	1
13	3290–144	Screw–Machine	6
14	249–21	Clamp–Hook	3
15	63–9230	Battery–Type MF214–78, Dry	1
16	24–6390	Stud–Battery Hold Down	2
17	32103–2	Nut–Wing	3
18	3296–2	Nut–Lock	6
19	28–1280	Boot–Cable	1

Ref. No.	Part No.	Description	No. Used
20	70–1180	Cable–Battery Positive (Incl. Ref.#19)	1
21	24–6420	Hold Down–Battery	1
22	3290–378	Tie–Cable	2
23	2412–61	Clip–Tinnermann	2
24	3290–357	Nut–HFH	4
25	2412–4	Clamp	3
26	3234–11	Screw–HFH	4
27	37–9650	Trim	1
30	38–4550	Cover–Instruments	1
31	95–2746	Decal–Instructions Start.	1
32	24–9740	Cover–Access Battery	1
33	39–8020	Trim–Cover Instruments	1
34	93–6680	Decal–Fuel Diesel	1
35	43–4300	Trim–Frame Rear	2
36	93–7822	Decal–Refueling	1
37	322–5	Screw–HH	1

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TPS

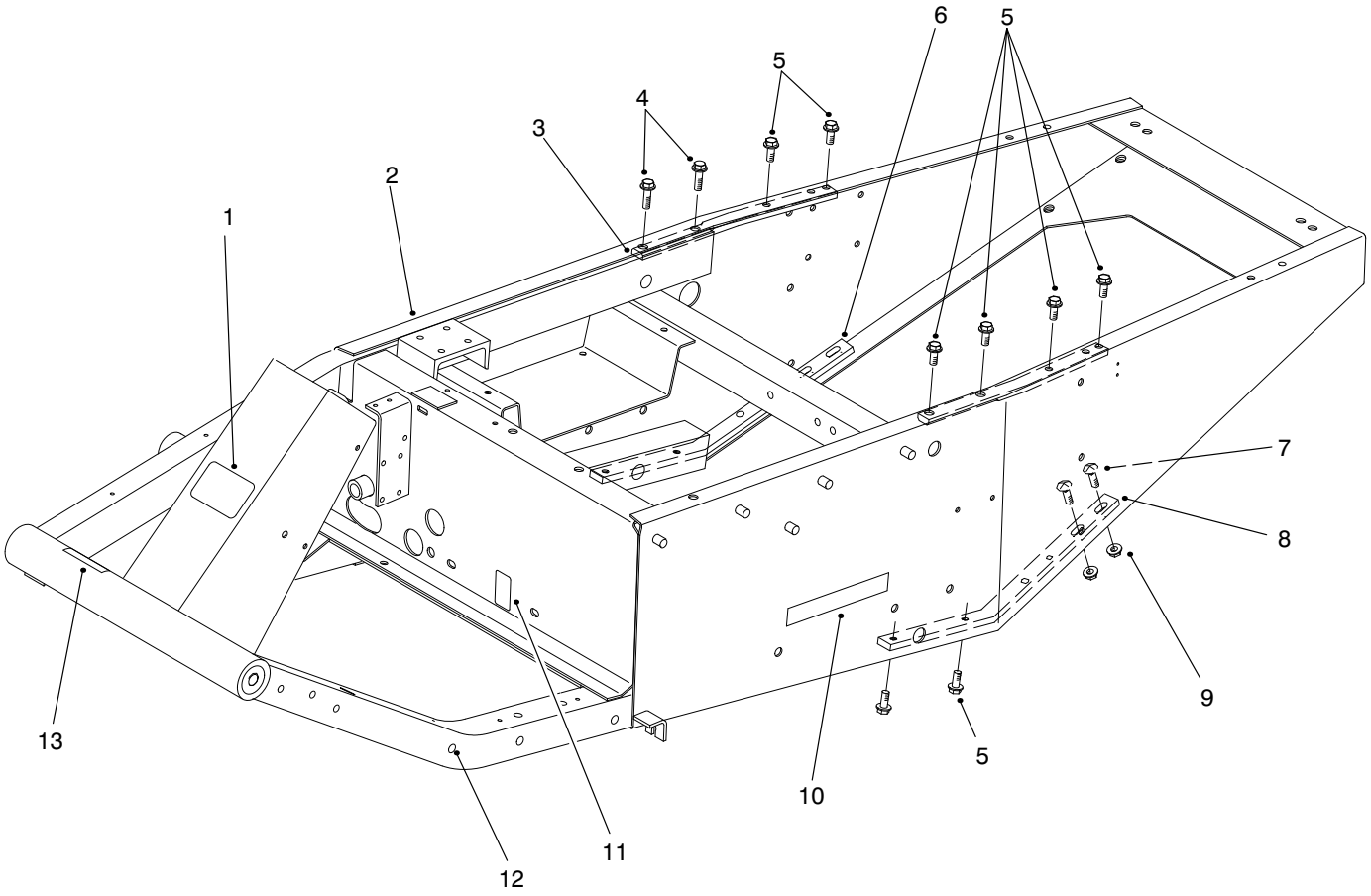


MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
38	98−3883	Clamp	1
39	32128−20	Nut−HFH	1
40	3229−1	Bolt−Carriage	6
41	32128−33	Nut−HFH	6
42	93−3183	Tool Box (Incl. Ref. #28)	1
45	68−8610	Fender−Extension	1
46	3234−14	Screw−HFH	2
47	32144−10	Screw−TAP	11
48	21−2760	Pad−Foot Rest LH	1
49	88−0070	Plate−Floor	1
50	93−7839	Decal−Caution	2
51	93−3185	Asm−Cover (Incl. Ref. #36 & 50)	1
52	3254−2	Washer−Lock	1
53	18−2770	Cable−Ground	1
54	92−7801	Shield−Cover, Battery	1

Ref. No.	Part No.	Description	No. Used
55	3290−144	Screw−HH	3
56	3296−2	Nut−Lock	3
58	93−7410	Panel−Footrest	1
59	66−3200	Tread−Foot, LH	1
60	93−7626	Fender−RH	1
61	3234−33	Screw−HFH	1
62	93−7276	Decal−Danger	1
63	93−6668	Decal−Charging	1
†64	32148−9	Nut−Insert	1
65	322−8	Screw−HH	2
66	3296−29	Nut−Lock	2
67	3256−23	Washer−Flat	2
68	323−7	Screw−HH	1
69	3296−39	Nut−Lock	1
70	3256−24	Washer−Flat	1
71	3254−6	Washer−Lock	1

† Special tool required

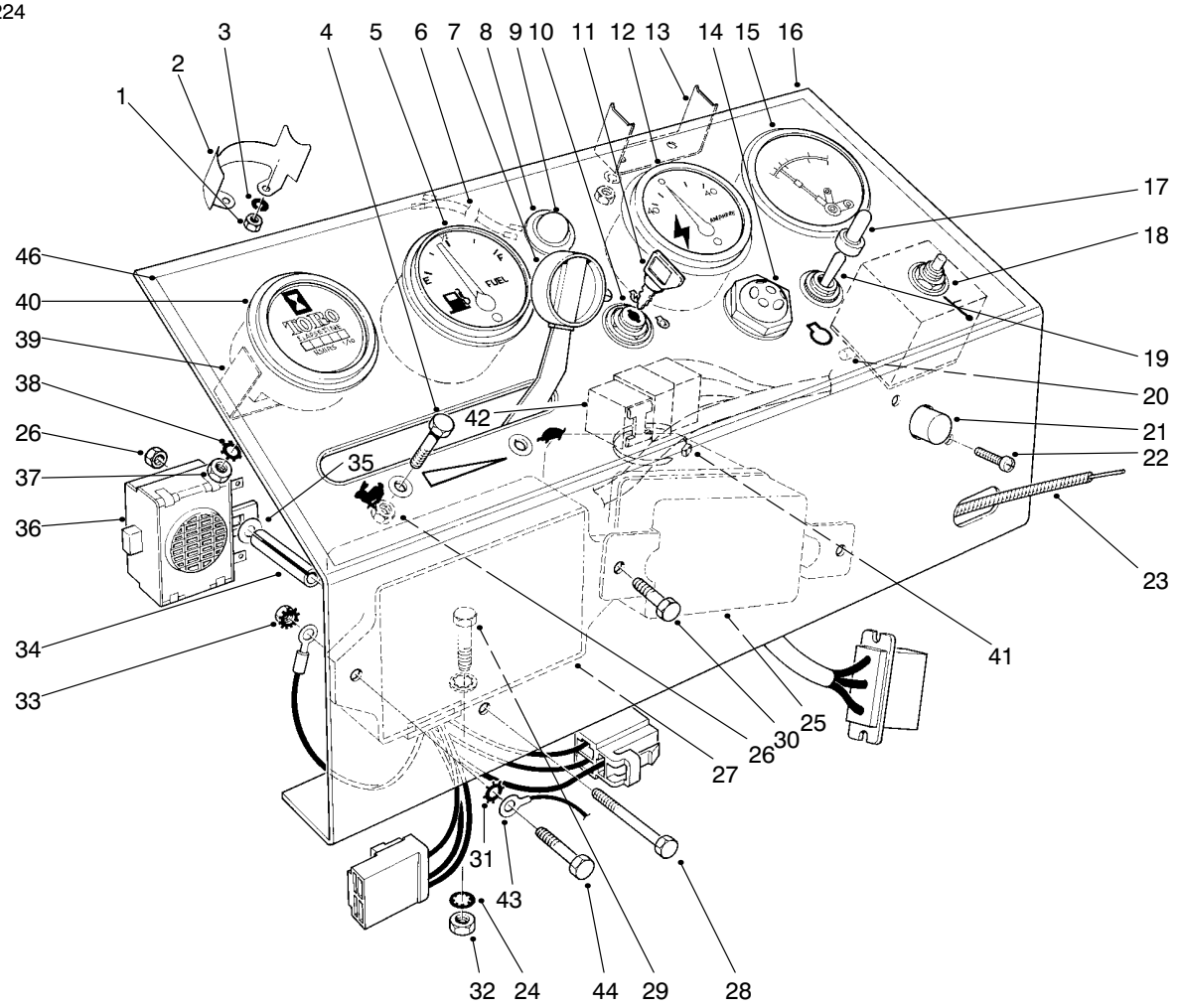


T−2802−3

MAIN FRAME ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	70−2200	Decal−Toro	1
2	98−3879	Asm−Frame (Incl. Ref. #1 & 3−13)	1
3	98−3866	Brace−Upper	2
4	3234−24	Screw−HHF	2
5	3234−25	Screw−HHF	10
6	98−3865	Brace−Lower Right	1
7	3231−25	Screw−Carriage	4
8	98−3864	Brace−Lower Left	1
9	32128−21	Nut−HFH	4
10	67−1720	Decal−Torque	2
11	53−4430	Decal−Oil Fill	1
†12	32148−9	Insert−Insert	1
13	27−7320	Decal−Traction Pedal	1

† Special tool required



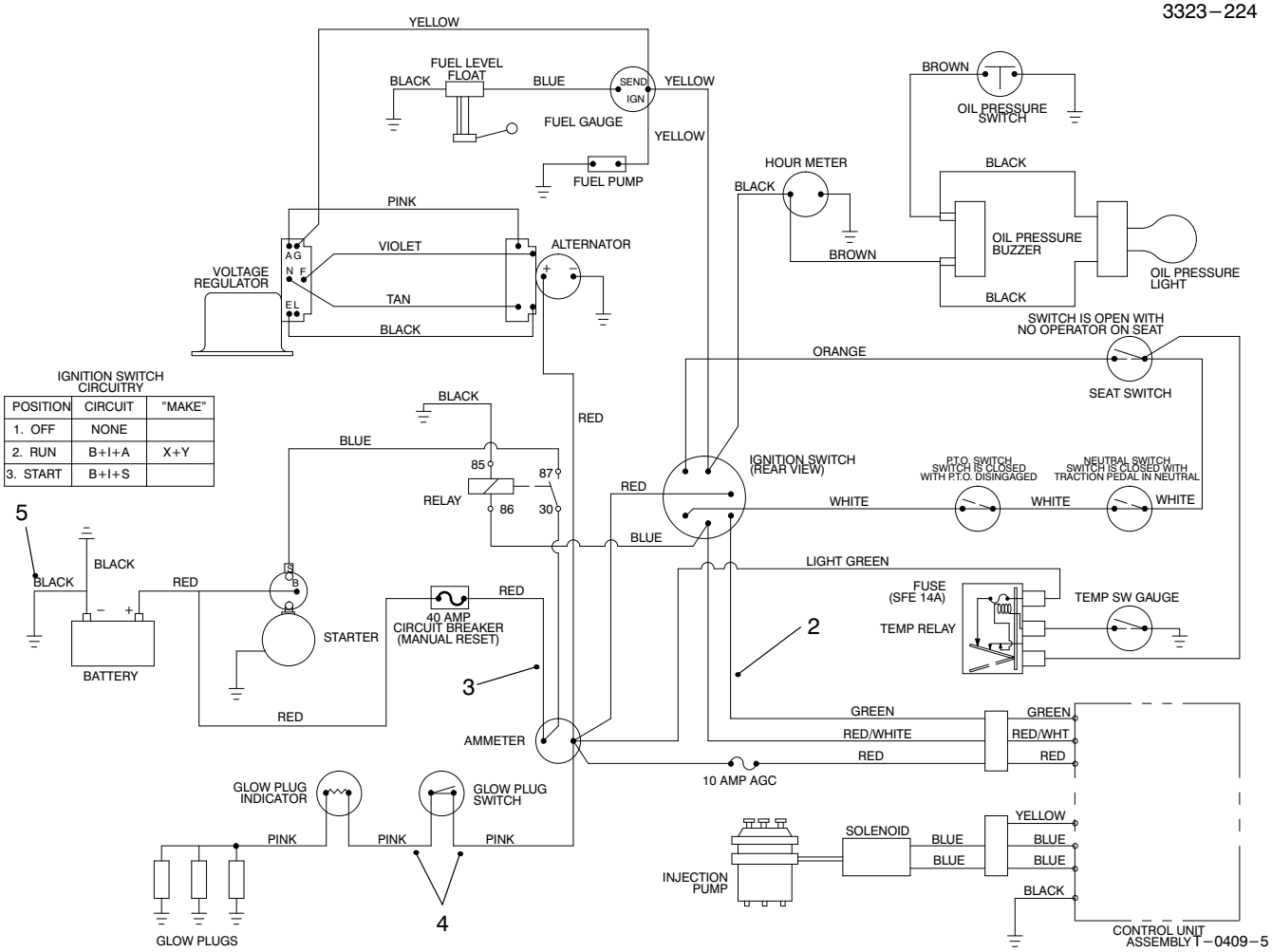
T−0408−3

INSTRUMENT PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3219−14	Nut−Hex.	6
2	38−1670	Clamp Mounting	2
3	3253−17	Washer−Lock	6
4	3290−134	Screw−HH	2
5	38−1650	Fuel Gauge (Incl. Ref. #1−3)	1
6	44−2220	Wire Lead	1
7	233−35	Knob	2
8	44−2210	Warning Light (Incl. Ref. #9)	1
9	218−533	Lens	1
10	27−2360	Key Switch (Incl. Ref. #11)	1
11	63−8360	Key	1
12	38−1660	Ammeter (Incl. Ref. #1−3)	1
13	218−539	Clamp	1
14	42−9190	Glow Lamp	1
15	26−6750	Engine Temperature Gauge (Incl. Ref. #1, 3, & 13)	1
16	43−3970	Panel−Instrument	1
17	218−473	Toggle Switch Boot	1
18	26−6740	Temperature Reset Relay	1
19	6−1659	Toggle Switch (Incl. Ref. #17)	1
†20		Fuse−Temp. Relay 14 Amp. SFE	1

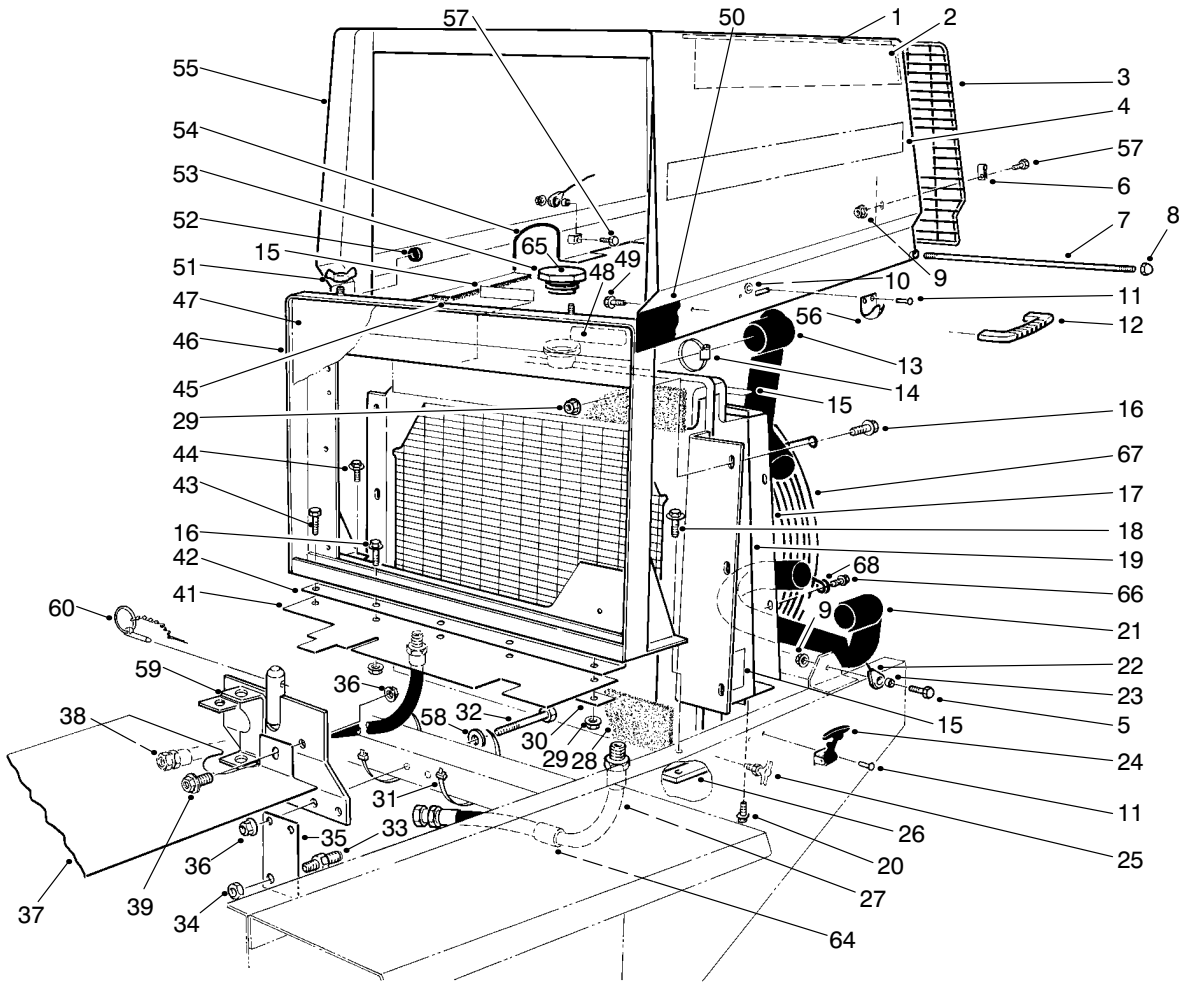
Ref. No.	Part No.	Description	No. Used
21	43−4000	Circuit Breaker	1
22	3250−17	Screw−Pan Hd.	2
23	43−3990	Throttle Control (Incl. Ref. #7)	1
24	3254−2	Washer−Lock	6
25	43−0410	Asm−Regulator	1
26	3296−12	Nut−Lock	3
27	43−1880	Asm−Control Unit	1
28	3290−424	Screw−HH	1
29	322−5	Screw−HH	2
30	321−4	Screw−HH	2
31	3255−7	Washer−Lock	3
32	3217−6	Nut−Hex.	2
33	32149−2	Nut−Lock	3
34	43−3820	Spacer	1
35	3256−14	Washer−Flat	1
36	22−7820	Asm−Buzzer	1
37	3217−26	Nut−Hex.	1
38	3255−5	Washer−Lock	1
39	218−515	Mounting Bracket	1
40	12−9990	Hour Meter (Incl. Ref. #37−39)	1
41	3290−379	Cable Tie	1
42	63−7590	Relay	1
43	70−1190	Cable−Ground	1
44	321−6	Screw−HH	1
46	93−7813	Decal−Panel, Instrument	1

† Obtain locally



ELECTRICAL SCHEMATIC

Ref. No.	Part No.	Description	No. Used
2	88−1790	Asm−Wire Harness	1
3	43−4040	Asm−Wire	1
4	43−4010	Asm−Wire	2
5	70−1190	Ground Cable	1

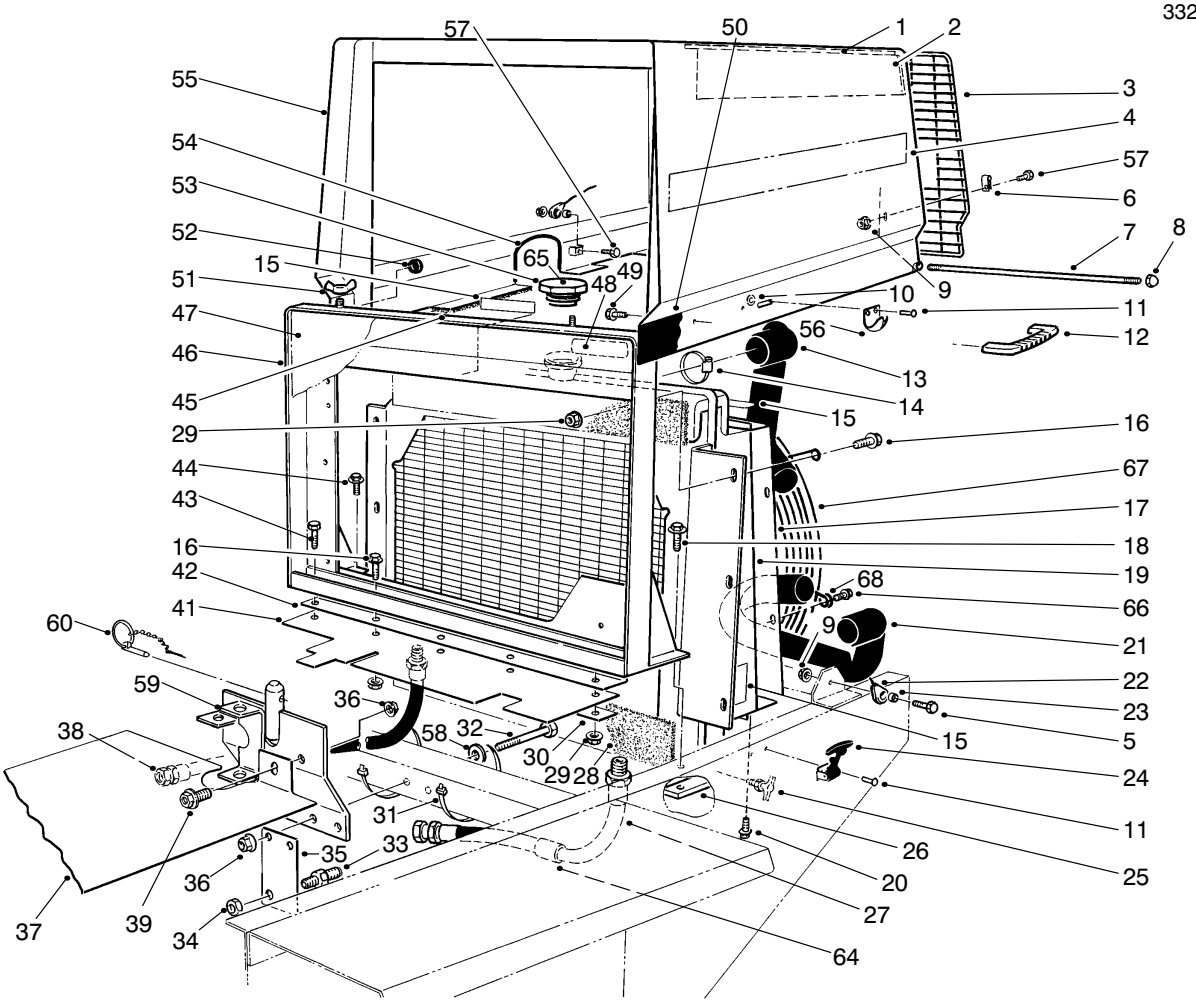


T−1185−3

RADIATOR & HOOD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	77−5170	Foam−Top	1
2	77−5160	Foam−Side	1
3	67−9000	Screen−Rear	1
4	93−3188	Decal−Groundsmaster	2
5	321−4	Screw−HH	2
6	2412−127	Clamp	4
7	67−8840	Pin−Hinge	1
8	32111−8	Nut−Acorn	2
9	32128−32	Nut−HFH	8
10	3269−10	Washer−Backup	2
11	3290−55	Rivet	4
12	65−5100	Handle−Hood	1
13	43−3350	Hose−Upper Radiator	1
14	2412−3	Clamp−Hose	4
15	93−7272	Decal−Warning	3
16	3234−14	Screw−HFH	11
17	43−3330	Shroud−Radiator	1
18	3234−25	Screw−HFH	2
19	33−2570	Asm−Radiator	1
20	32104−116	Screw−Self Tapping	4
21	43−7020	Hose−Lower Radiator	1
22	77−3170	Stop−Cable Hood	2
23	77−5250	Spacer−Cable Hood	4
24	249−39	Latch−Draw Flexible	1
25	304−46	Drain Cock	1
26	38−4600	Bar−Frame LH	1

Ref. No.	Part No.	Description	No. Used
27	63−9010	Asm−Hose, Cooler/Pump	1
28	43−3320	Foam−Radiator	2
29	32128−20	Screw−HFH	11
30	67−8470	Strip−Retainer	1
31	3290−379	Tie−Cable	4
32	323−14	Screw−HH	3
33	340−71	Union−Bulkhead	2
34	340−70	Nut−Lock Bulkhead	2
35	68−9160	Bracket	1
36	32128−21	Nut−HFH	4
37	88−3390	Plate−Sealing	1
38	63−8960	Asm−Hose, Valve/Cooler	1
39	3234−11	Screw−HFH	2
41	67−8570	Strip−Sealing	1
42	43−3340	Plate−Sealing, Grille	1
43	322−6	Screw−HH	1
44	11−0590	Screw−Self Tapping	2
45	82−8950	Foam−Hood Flange	2
46	67−8870	Support−Radiator	1
47	67−9030	Grille	1
48	93−7821	Decal−Coolant Radiator	1
49	46−8091	Screw−HFH	2
50	77−5140	Decal−Hood 4wd LH	1
*	77−5150	Decal−Hood 4wd RH	1
51	32103−2	Nut−Wing	2
52	237−141	Bumper−Radiator	2

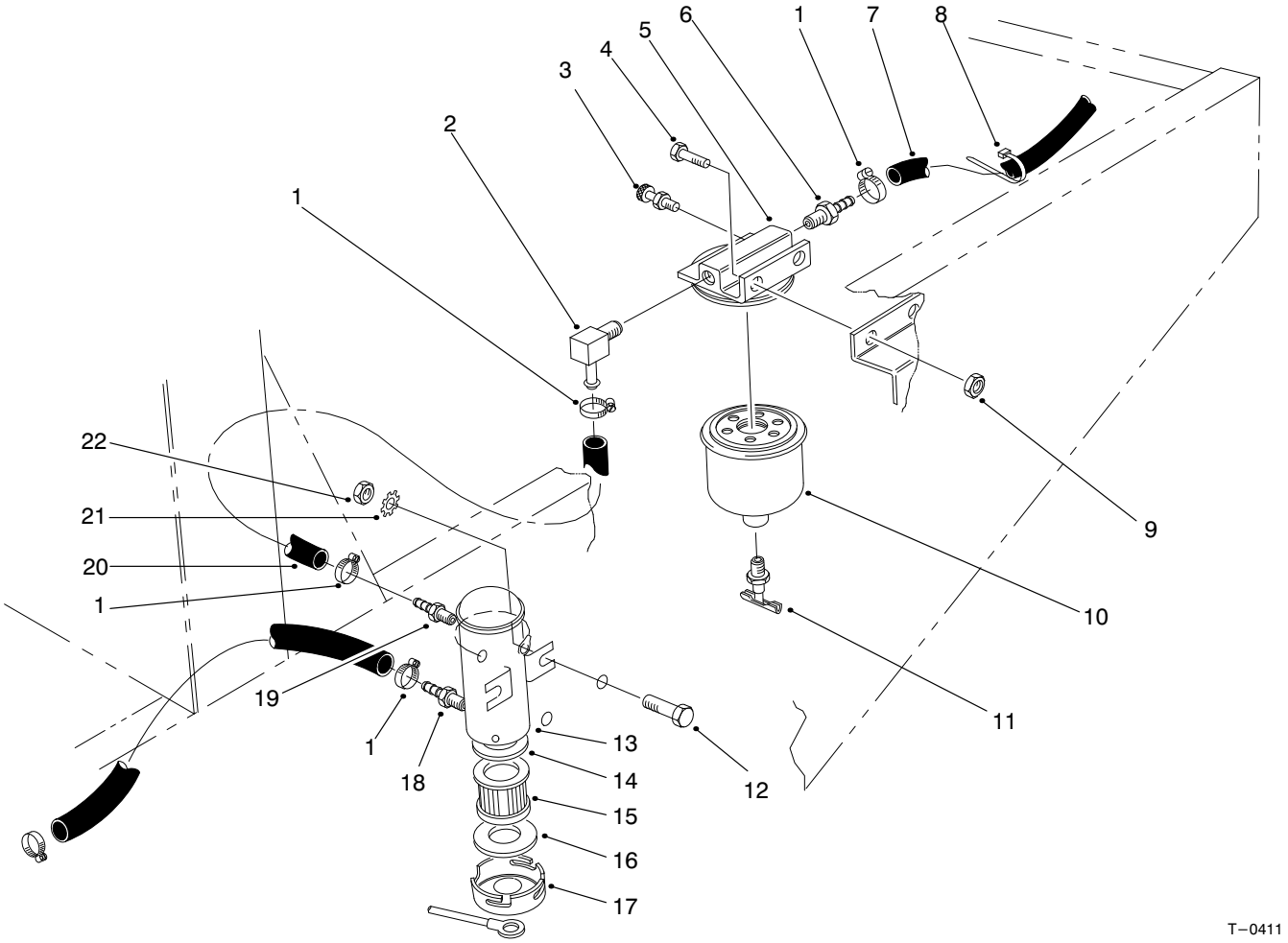


RADIATOR & HOOD ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
53	66−3240	Cap−Pressure Radiator	1
54	66−8111	Trim−Hood Cutout	1
55	14−4149	Hood	1
56	249−40	Keeper	1
57	3274−69	Screw−HSH	6
58	5−0838	Washer−Flat	3
59	86−9410	Bracket−Seat Support	1

Ref. No.	Part No.	Description	No. Used
60	283−76	Pin−Lynch	1
64	38−3400	Guard−Rubber	1
65	93−7840	Decal−Radiator Cap	1
66	32104−109	Screw−HH	4
67	93−9729	Guard−Fan	1
68	3256−22	Washer−Flat	4

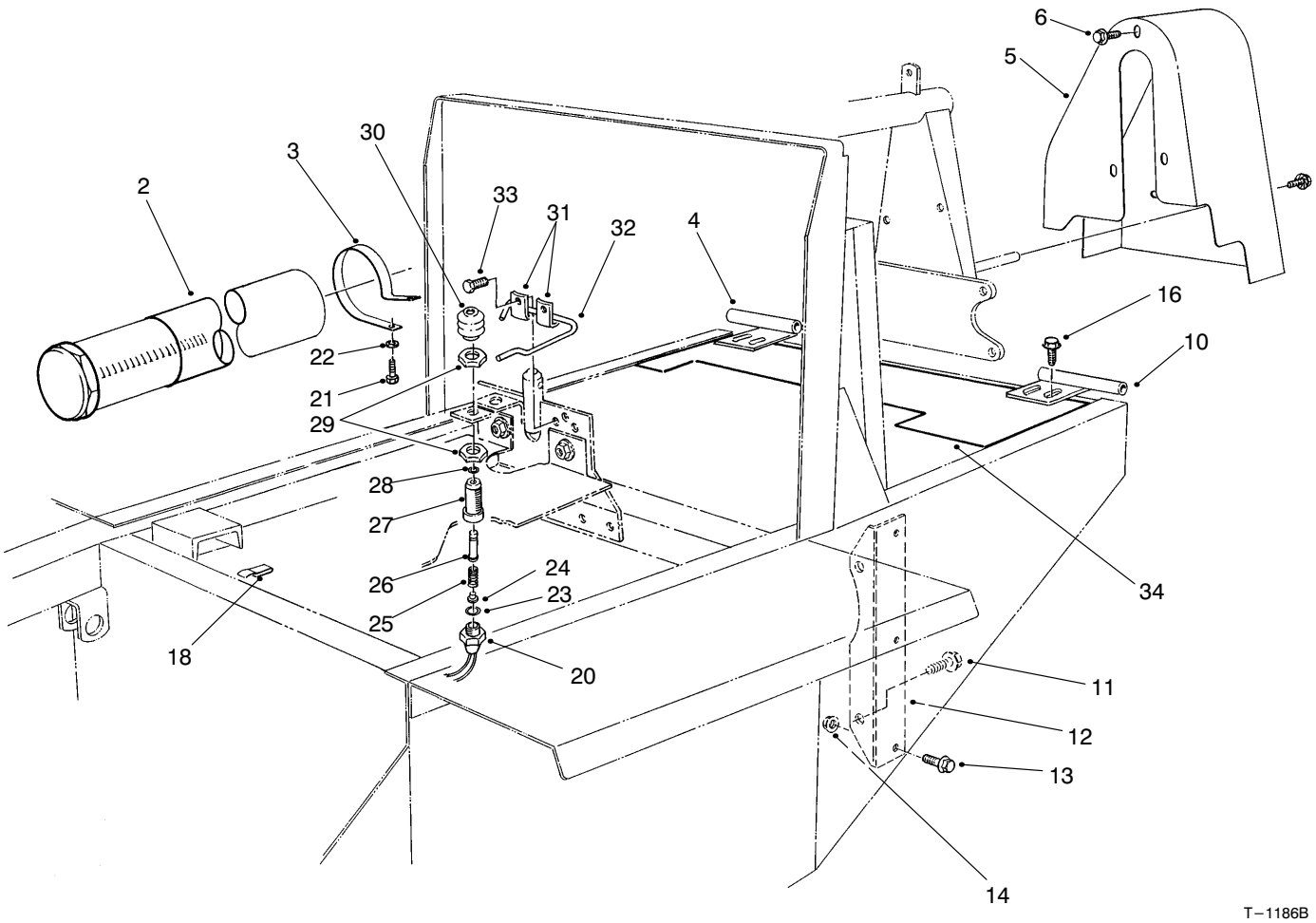
* Not Illustrated



FUEL FILTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	2412−108	Hose Clamp	5
2	304−96	90˚ Hose Barb	1
3	63−8290	Vent	1
4	321−4	Screw−HH	2
5	63−8280	Asm−Head	1
6	353−975	Hose Barb	1
7	63−9720	Hose	1
8	3290−378	Cable Tie	A/R
9	32149−2	Nut	2
10	63−8300	Element−Fuel Filter (Incl. Ref. #11)	1
11	63−8310	Drain Valve	1
12	321−6	Screw−HH	2

Ref. No.	Part No.	Description	No. Used
13	53−8150	Asm−Pump, Fuel, Electric (Incl. Ref. #14−17)	1
14	43−2570	Gasket	1
15	43−2550	Filter	1
16	43−2560	Gasket	1
17	43−2580	Magnet	1
18	353−702	Hose Barb	1
19	304−73	Hose Barb	1
20	63−9650	Hose	1
21	3255−7	Washer−Lock	2
22	32149−2	Nut−Lock	2
*	95−3092	Kit−400 Hour Filter (Incl. Ref. #10 & 15)	1

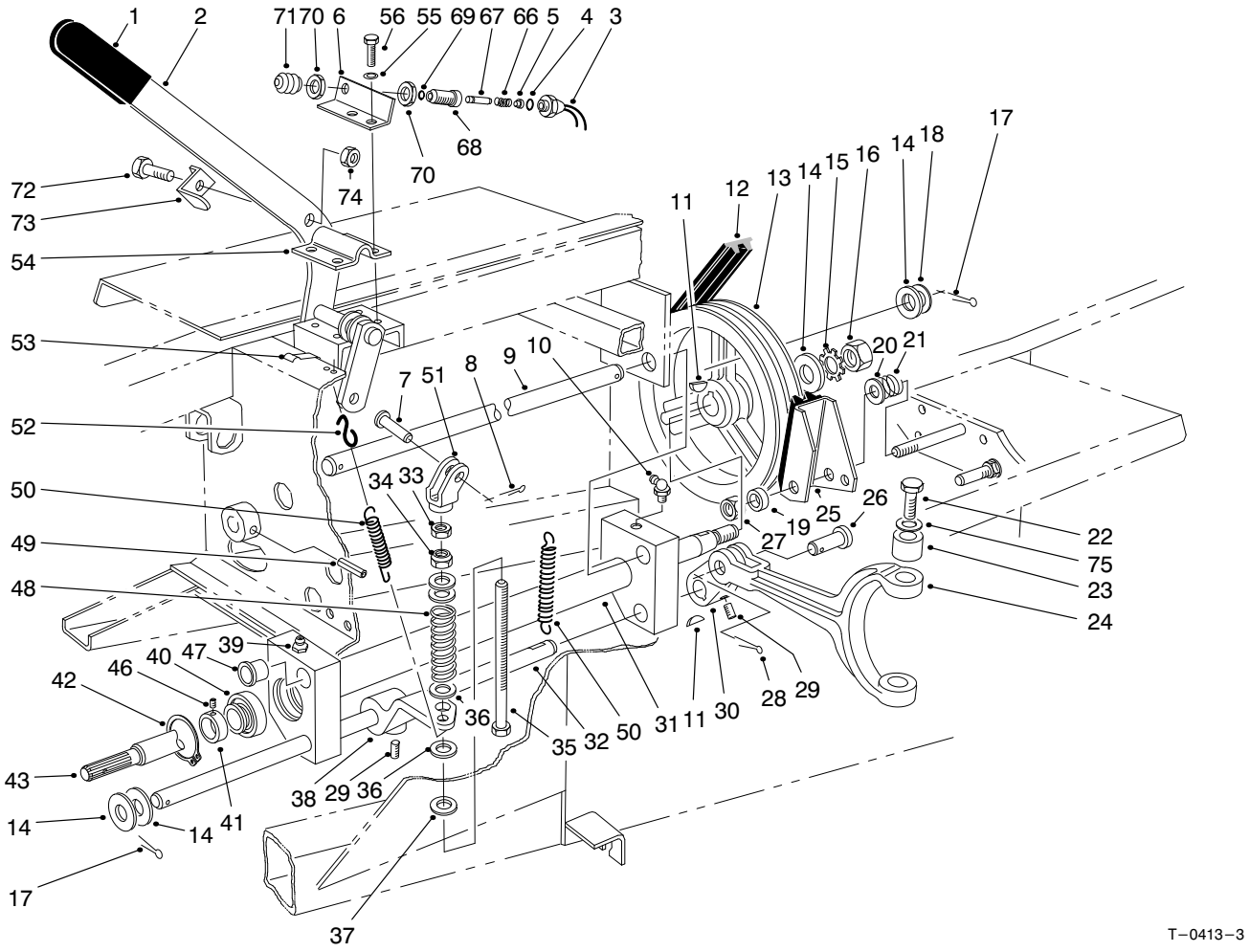


INTERLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	74−0720	Tube−Manual	1
3	2412−133	R−Clamp	2
4	67−8820	Hinge RH	1
5	43−3900	Guard−Fan Belt	1
6	3234−14	Screw−HH	5
9	3256−23	Washer−Flat	1
10	67−8810	Hinge LH	1
11	3234−32	Screw−HFH	2
12	67−8190	Bracket−Engine Support	2
13	3234−11	Screw−HFH	6
14	3290−357	Nut−HFH	6
16	3234−17	Screw−HFH	4
18	212−93	Wire Clip	2
20	72−4320	Switch−Ball	1
21	322−2	Screw−HH	2
22	3256−23	Washer−Flat	2

Ref. No.	Part No.	Description	No. Used
23	237−30	O−Ring	1
24	43−8610	Guide−Spring & Ball Seat	1
25	43−8600	Spring−Compression	1
26	43−8860	Plunger−Switch	1
27	43−8620	Guide−Switch Pin	1
28	237−7	O−Ring	1
29	218−461	Nut−Jam	2
30	43−8870	Boot−Switch	1
31	3−6657	Clip	2
32	86−7040	Rod−Seat Prop	1
33	32144−10	Screw−HFH	2
34	93−8472	Guard−Flywheel	1
*	43−9071	Asm−Switch (Incl. Ref. #20, 23−30, & 1 of #29 Required)	1

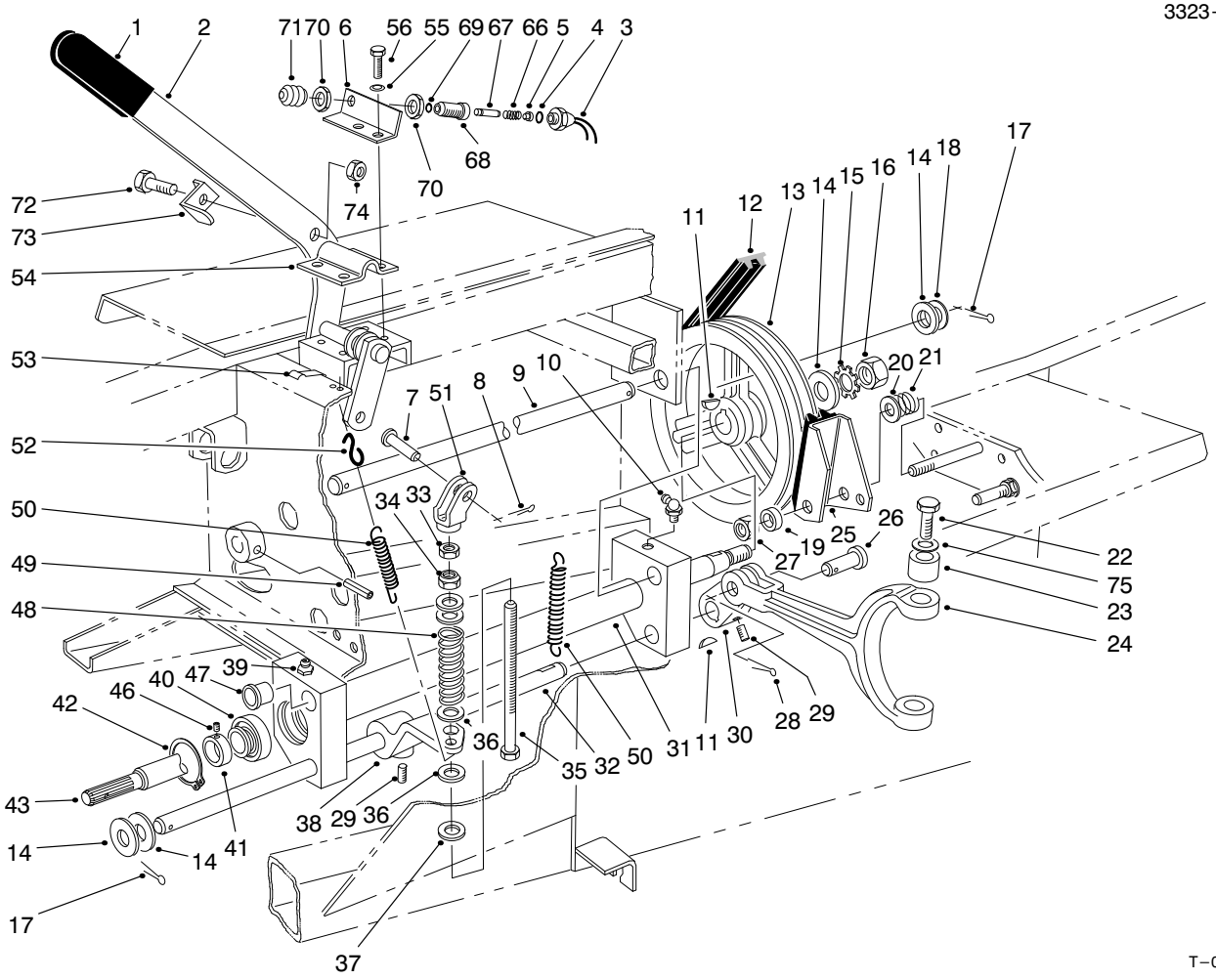
3323−224



POWER TAKE OFF ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	21−1880	Grip Handle	1
2	84−8500	Lever−P.T.O.	1
3	72−4320	Switch−Ball	1
4	237−30	O−Ring	1
5	43−8610	Guide−Spring & Ball Seat	1
6	84−8520	Bracket−P.T.O. Switch	1
7	283−42	Clevis Pin	1
8	3272−10	Cotter Pin	1
9	43−3860	Shaft−Pivot P.T.O.	1
10	302−10	Fitting−Grease	1
11	3257−5	Key−Woodruff	3
12	53−9660	V−Belt Torque Team	1
13	21−0230	Pulley P.T.O.	1
14	3256−28	Washer−Flat	4
15	3254−7	Washer−Lock	1
16	3219−7	Nut−Hex.	1
17	3272−22	Cotter Pin	2
18	3−6498	Washer	A/R
19	3−8812	Spacer	1
20	3256−6	Washer−Flat	1
21	5−1747	Spring	1
22	92−5727	Screw−HH	2
23	92−5723	Bushing−P.T.O. Fork	2
24	92−4060	Fork P.T.O.	1
25	27−7370	Asm−Brake, P.T.O.	1
26	93−3769	Clevis Pin	1

Ref. No.	Part No.	Description	No. Used
27	3296−28	Nut−Lock	1
28	3272−11	Cotter Pin	1
29	3246−3	Set Screw	4
30	92−4058	Arm−P.T.O.	1
31	43−5500	Pivot P.T.O.	1
32	43−5550	Shaft−Actuator P.T.O.	1
33	3219−3	Nut−Hex.	1
34	3296−6	Nut−Lock	1
35	27−7900	Screw−Adjusting	1
36	3256−41	Washer−Flat	4
37	5−0652	Spacer	1
38	43−5570	Arm, Actuator−P.T.O.	1
39	302−2	Grease Fitting	1
40	251−252	Ball Bearing (Incl. Ref. #41)	2
41	251−234	Lock Collar (Incl. Ref. #46)	2
42	32120−22	Ring−Retaining	2
43	43−5540	Shaft P.T.O.	1
46	3245−1	Set Screw	2
47	256−113	Bushing−Flange	4
48	21−0400	Spring−Compression	1
49	32121−9	Pin−Roll	1
50	21−1830	Spring−Tension	2
51	43−5630	Yoke−P.T.O.	1
52	5−0701	Spring Anchor	1



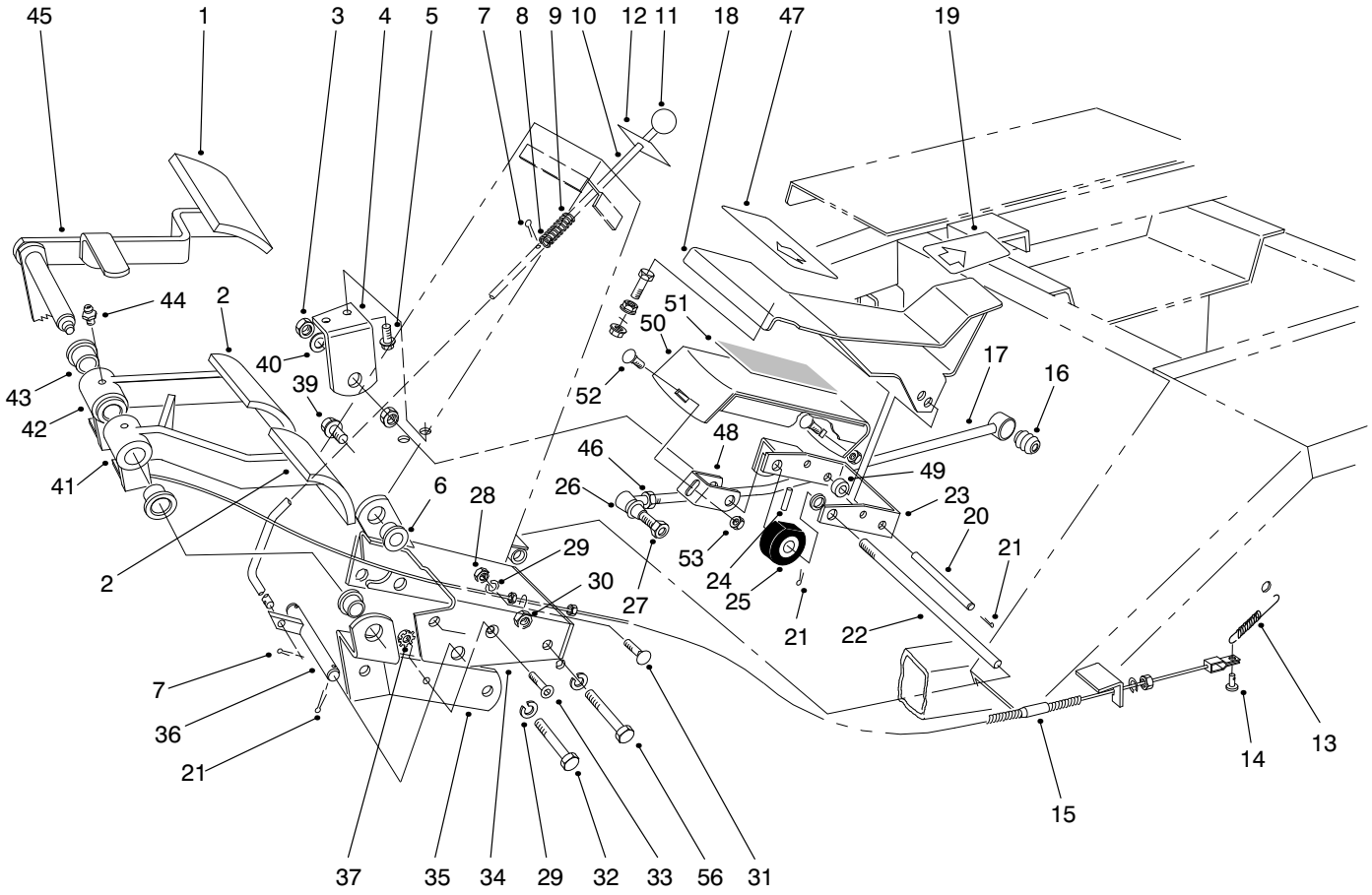
T−0413−3

POWER TAKE OFF ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
53	212−93	Wire Clip	1
54	21−1600	Clamp P.T.O. Lever	1
55	3253−21	Washer−Lock	4
56	32104−6	Screw−HFH	4
66	43−8600	Spring−Compression	1
67	43−8860	Plunger−Switch	1
68	43−8620	Guide−Switch Pin	1
69	237−7	O−Ring	1
70	218−461	Nut−Jam	2

Ref. No.	Part No.	Description	No. Used
71	43−8870	Boot−Switch	1
72	321−4	Screw−HH	1
73	86−7050	Bracket−Switch Actuator	1
74	3296−16	Nut−Lock	1
75	75−9890	Washer−Shim	A/R
*	43−9071	Asm−Switch (Incl. Ref. #3−5. 66−71: Qty. 1 of #70 Req'd.)	1

* Not Illustrated



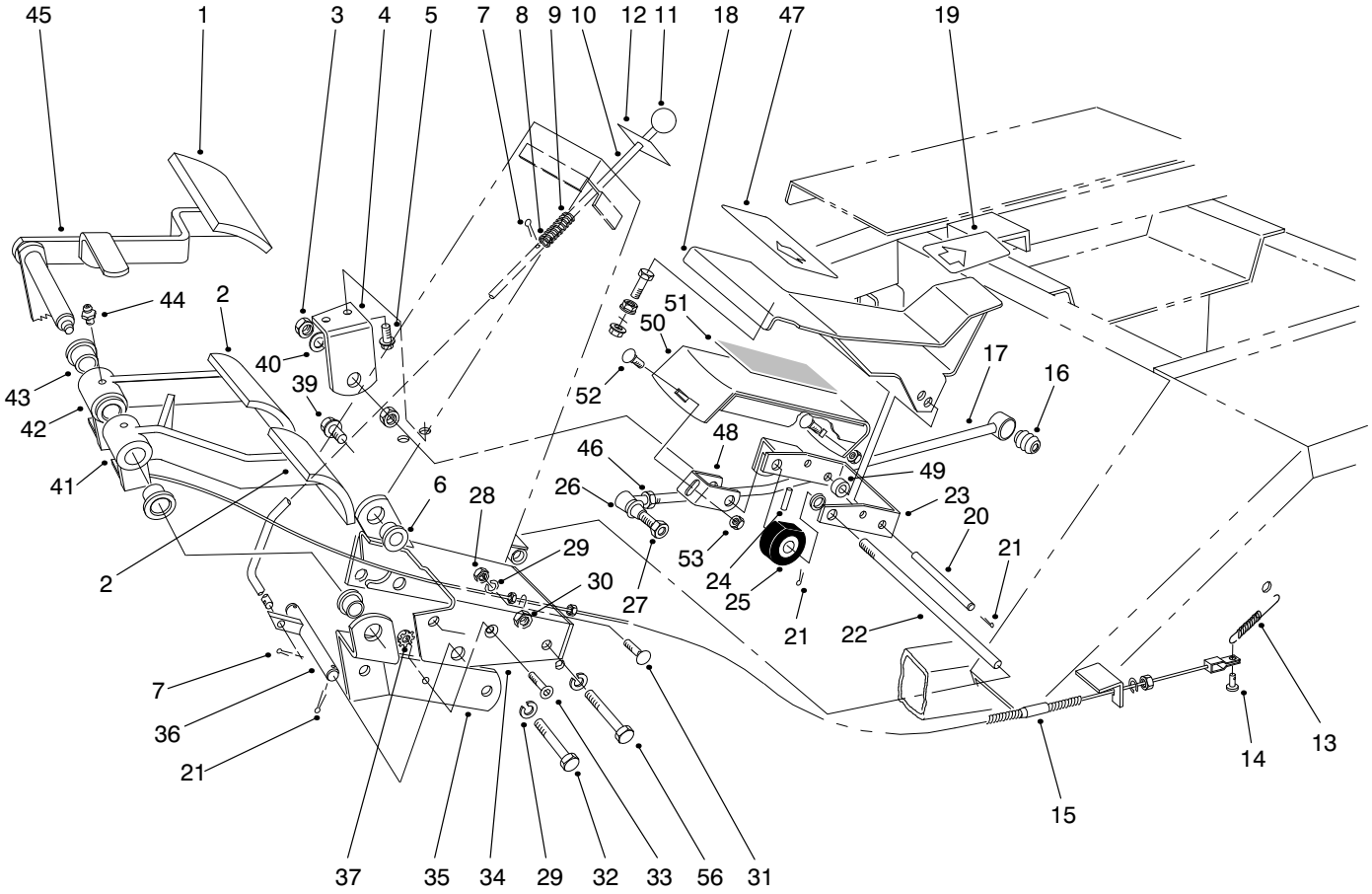
T−0415−7

BRAKE PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93−8742	Pad−Brake	1
2	93−8743	Pad−Turn	2
3	3218−5	Nut−Jam	2
4	21−2850	Mount−RH Pedal	1
5	11−0590	Screw−Hex. Hd. Tapping	2
6	256−156	Bushing	5
7	3272−5	Pin−Cotter	3
8	3256−22	Washer−Flat	1
9	95−1821	Spring−Compression	1
10	82−8670	Rod−Brake Latch	1
11	233−17	Knob	1
12	93−7831	Decal−Parking Brake	1
13	3−7243	Spring−Extension	2
14	283−58	Pin−Clevis	2
15	21−3380	Cable−LH Brake	1
*	21−3370	Cable−RH Brake	1
16	23−2270	Bushing−Rubber	1
17	23−2240	Rod−Pump Control	1
18	94−3304	Pedal−Traction	1
19	94−3308	Pad−Pedal Rear	1
20	88−1640	Pin−Traction Pedal	1
21	3272−6	Pin−Cotter	6
22	88−1650	Shaft−Traction Pedal	1
23	88−1670	Bracket−Pivot (Incl. Ref. #6)	1
24	32121−6	Pin−Roll	1

Ref. No.	Part No.	Description	No. Used
25	28−5220	Wheel−Friction	1
26	21−0141	Socket, RH	1
27	3220−3	Asm−Nut−Jam	1
28	3217−7	Nut−Hex.	2
29	3253−21	Washer−Lock	4
30	32153−2	Nut−Lock	2
31	3231−21	Bolt−Carriage	2
32	323−13	Screw−HH	1
33	3274−47	Screw−Flat Hd. Socket	1
34	27−7590	Mount−Brake	1
35	27−9270	Mount−Brake Pivot Shaft	1
36	27−7640	Shaft−Brake Latch	1
37	32149−2	Nut−Lock	1
39	3234−11	Screw−HH	3
40	3256−26	Washer−Flat	1
41	27−7490	Pedal−LH Brake (Incl. Ref. #43)	1
42	27−7510	Pedal−RH Brake (Incl. Ref. #43)	1
43	256−10	Bushing	4
44	302−5	Fitting−Grease	2
45	27−8550	Pedal−Parking Bake	1
46	3220−5	Nut−Jam	1
47	94−3307	Pad−Front Pedal	1
48	88−1680	Bracket−Footrest	1

* Not Illustrated



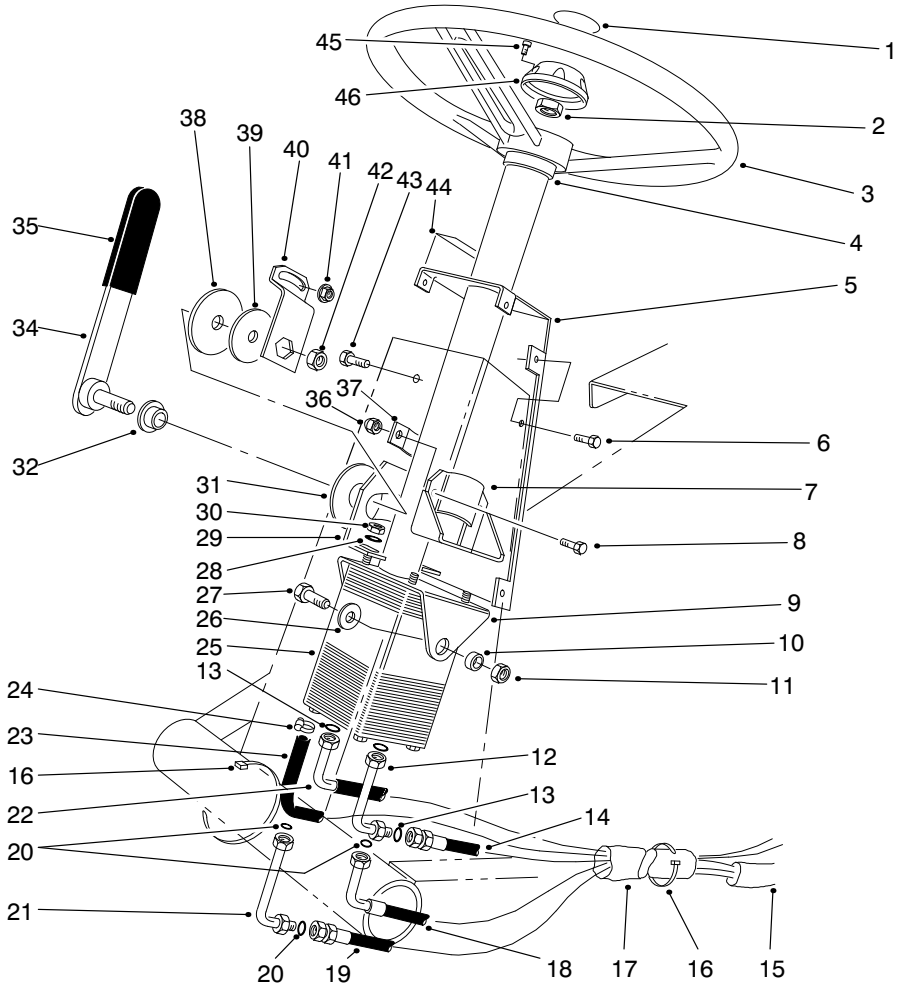
T−0415−7

BRAKE PEDAL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	88−0470	Tube−Pedal, Spacer	1
50	88−1710	Footrest	1
51	88−1720	Pad−Footrest	1
52	3230−1	Bolt−Carriage	2

Ref. No.	Part No.	Description	No. Used
53	32128−25	Nut−HFH	2
54	323−42	Screw−HH	1
55	32128−43	Nut−HFH	2
56	323−14	Screw−HH	1

* Not Illustrated

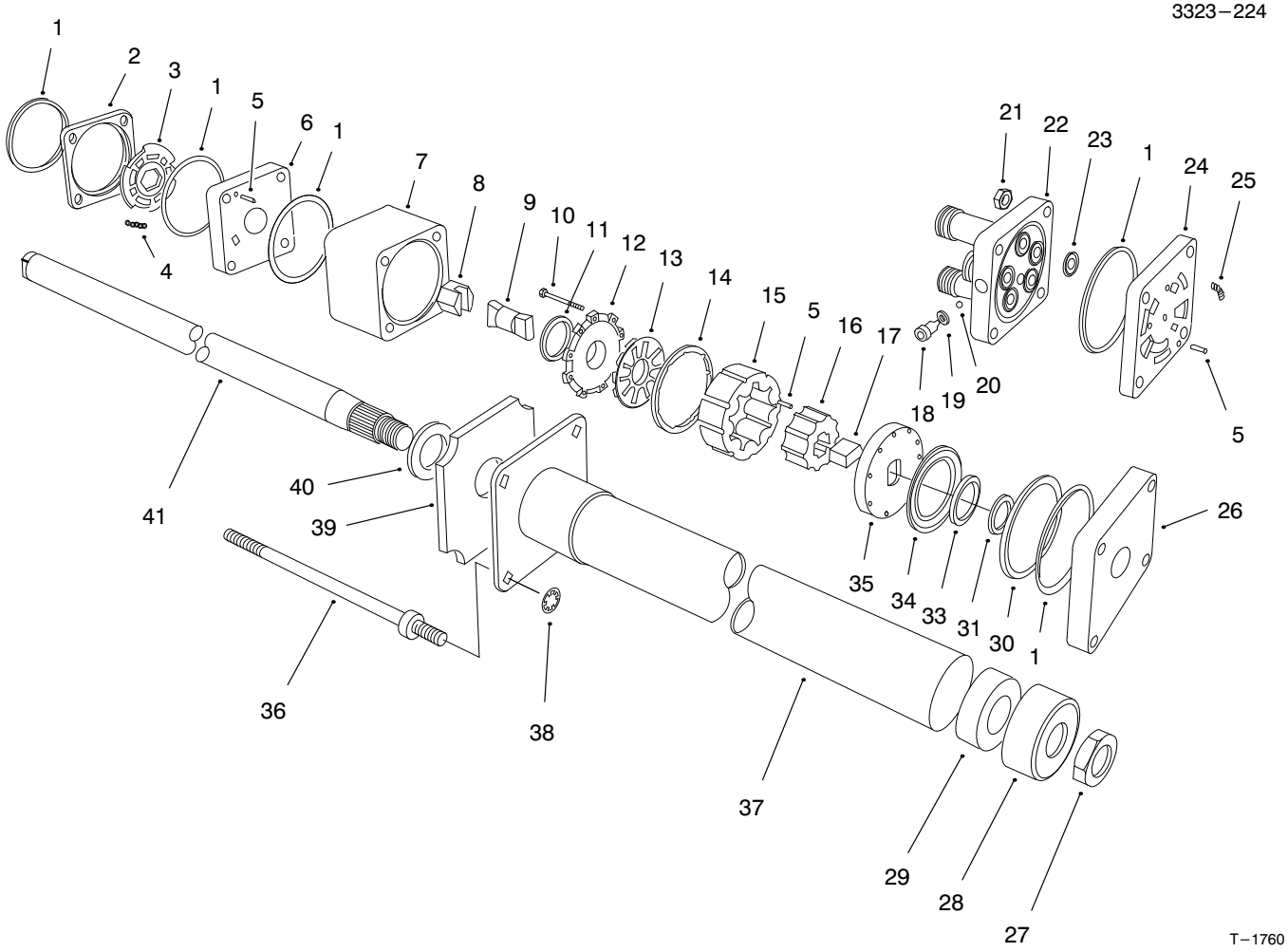


T−1187−3

POWER STEERING ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	68−5370	Decal−Toro	1
2	66−9760	Nut−Hex.	1
3	75−0560	Asm−Steering Wheel (Incl. Ref. #45 & 46)	1
4	21−9260	Cover−Dust	1
5	82−8660	Cover−Tower	1
6	32144−10	Screw−HFH	6
7	67−8690	Support−Column	1
8	3234−17	Screw−HH	2
9	77−3120	Bracket−Mount Column	1
10	80−2960	Spacer−Tower	2
11	32153−2	Nut−Hex.	2
12	82−8760	Elbow	1
13	237−30	O−Ring	3
14	63−8970	Hose−Trans. to Steering	1
15	70−1390	Sleeve−Protective	1
16	3290−379	Tie−Cable	3
17	70−1380	Sleeve−Protective	1
18	68−9730	Hose−Steering to Cylinder	1
19	68−9720	Hose−Cylinder to Steering	1
20	237−22	O−Ring	3
21	82−8770	Elbow	1
22	63−8980	Hose−Aux. to Valve	1

Ref. No.	Part No.	Description	No. Used
23	63−8990	Hose	1
24	2412−36	Clamp	2
25	92−7308	Valve−Steering Power	1
26	3256−46	Washer−Flat	2
27	323−6	Screw−HH	2
28	3256−3	Washer−Flat	4
29	80−2940	Plate−Pivot	1
30	3296−20	Nut−Lock	4
31	31−0390	Disc−Friction	1
32	80−2980	Boss−Pin	1
34	93−1353	Handle−Steering Tilt	1
35	21−1880	Grip−Handle	1
36	3296−29	Nut−Lock	2
37	82−8650	Clamp−Half	1
38	82−9010	Disc−Friction	1
39	80−2930	Washer	1
40	80−2880	Bracket−Steering Tilt	1
41	32128−20	Nut−HFH	1
42	3218−7	Nut−Jam	1
43	322−4	Screw−HH	1
44	82−8940	Decal−Steering Tilt	1
45	32144−21	Screw−Pan Head	1
46	68−5140	Cap−Wheel Steering	1



T–1760

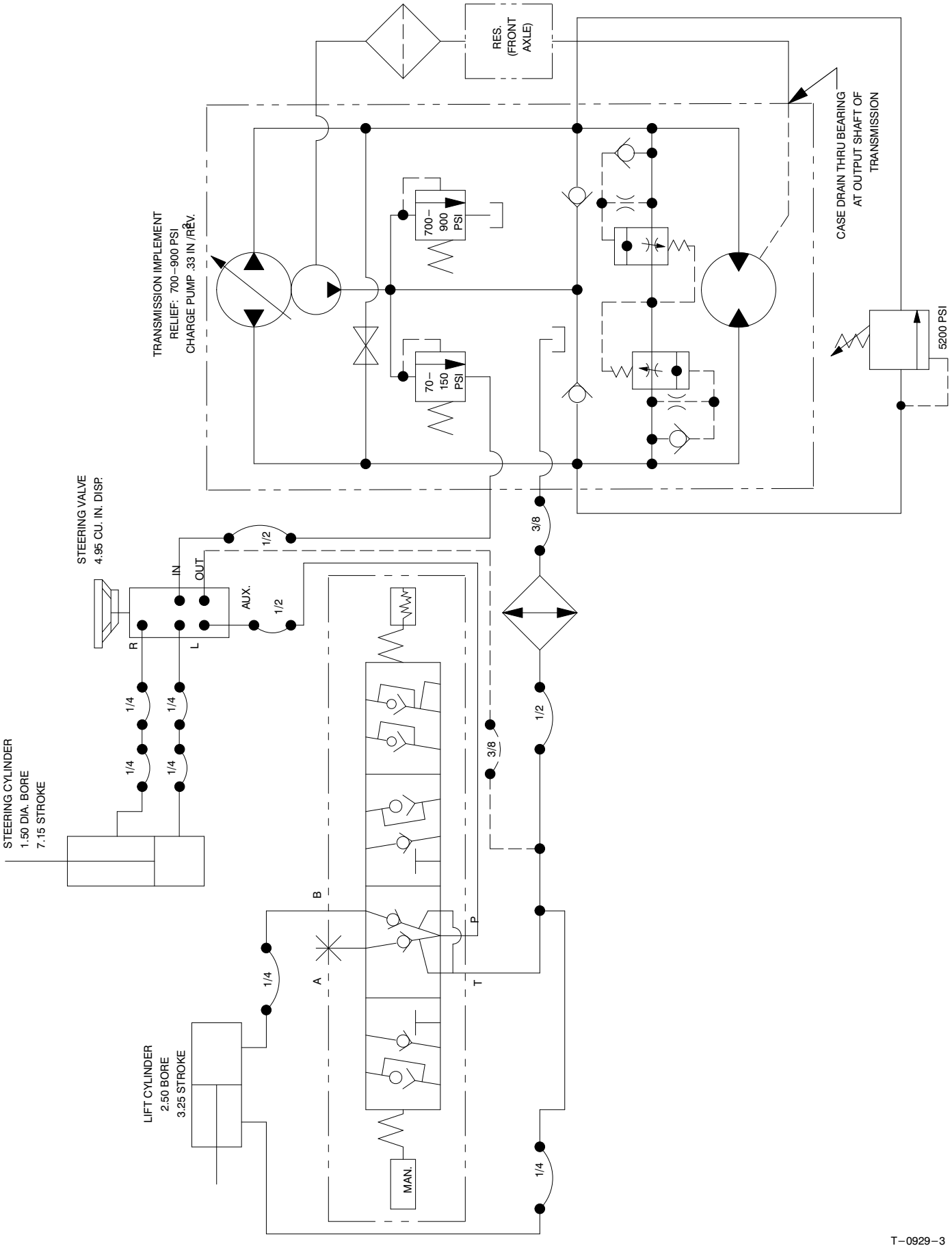
POWER STEERING VALVE ASSEMBLY NO. 92–7308

Ref. No.	Part No.	Description	No. Used
1		Ring–Seal	5
2		Ring–Valve	1
3		Plate–Valve	1
4		Spring	3
5		Pin–Alignment	9
6		Manifold–Isolation	1
7		Ring–Metering	1
8		Asm–Hex Drive	1
9		Link–Drive	1
10		Screw–Hex. Hd. Socket	11
11		Seal–Commutator	1
12		Cover–Commutator	1
13		Commutator	1
14		Ring–Commutator	1
15		Stator	1
16		Rotor	1
17		Spacer–Drive Link	1
18		Plug	1
19		O–Ring	1
20		Ball	1
21		Nut–Hex	4
22		Cover–Port	1
23		O–Ring	5
24		Manifold–Port	1
25		Spring	3

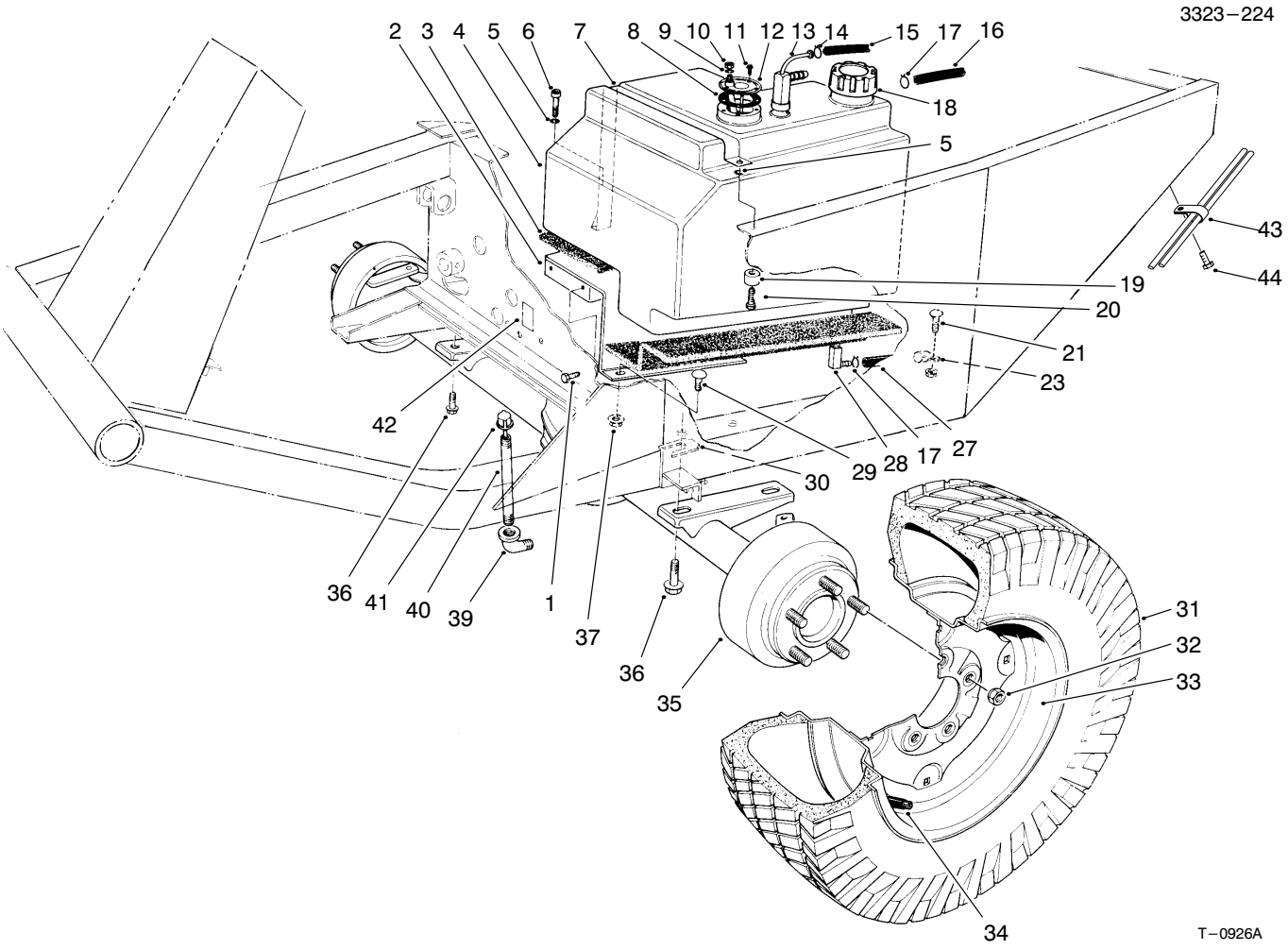
Ref. No.	Part No.	Description	No. Used
26		Plate–Upper Cover	1
27	3220–6	Nut	1
28	92–7315	Seal	1
29		Bearing	1
30		Spacer–Thrust Bearing	1
31		Spacer–Seal	1
33		Seal–Face	1
34		Bearing–Thrust	1
35		Plate–Drive	1
36	92–7310	Bolt–Special	4
37		Upper Cover & Jacket	1
38	92–7316	Nut–Push On	4
39	92–7317	Foam	1
40		Washer–Retaining	1
41		Shaft–Input	1
*	66–9970	Kit–Spring (Incl. Ref. #4 & 25)	1
*	66–9980	Kit–Seal (Incl. Ref. #1, 11, 19, 23, 31 & 33)	1
*	66–9990	Kit–Needle Roller (Incl. Ref. #5)	1
*	92–7314	Asm–Column (Incl. Ref. #27–29 & 37–41)	1

* Not Illustrated

HYDRAULIC SCHEMATIC



T–0929–3

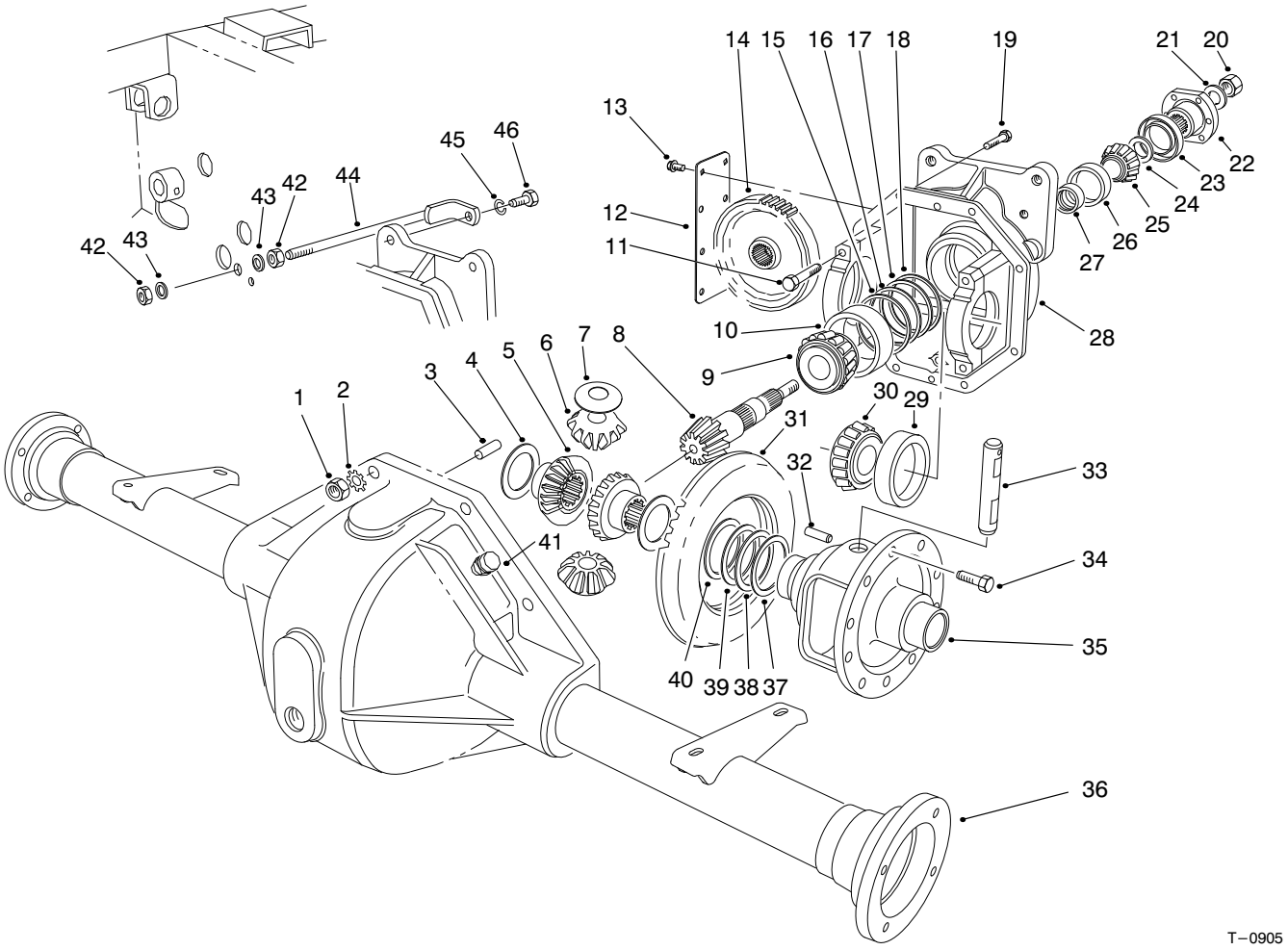


FRONT AXLE & FUEL TANK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3234−11	Screw−HFH	2
2	68−9760	Fuel Tank Base	1
3	21−3600	Foam−Tank Support	1
4	43−4150	Fuel Tank (Incl. Ref. #13 & 14)	1
5	3253−3	Washer−Lock	2
6	32104−96	Screw−HH	1
7	37−9550	Strap−Fuel Tank	1
8	62−7650	Gasket	1
9	3253−17	Washer−Lock	1
10	3219−14	Nut	1
11	32144−53	Screw−HFH	5
12	62−6840	Sender−Fuel Level	1
13	43−4160	Fitting−Return & Vent	1
14	2412−79	Clamp	1
15	43−4230	Hose−Return	1
16	43−5690	Hose−Vent, Fuel Tank	1
17	2412−6	Clamp	2
18	55−3572	Fuel Cap	1
19	22−7810	Spacer	1
20	321−6	Screw−HH	1
21	21−3610	Foam−Tank Support	1
23	2412−4	Clamp	1
27	63−9640	Hose−Fuel	1
28	43−4190	Asm−Fitting	1
29	3230−2	Bolt−Carriage	3
30	42−6080	Shim−Axle	A/R
31	231−138	Tire−6 Ply	2

Ref. No.	Part No.	Description	No. Used
*	231−95	Tire−23x10.5x12 (4 Ply) (Optional)	2
*	69−9880	Tire−23x10.5x12 (6 Ply) (Optional)	2
32	23−7270	Nut−Wheel	10
33	217−117	Rim	2
*	217−116	Rim−23x10.5x12 (Optional)	2
34	232−31	Valve Stem w/Cap	2
*	232−27	Valve Stem (For 23x10.5x12 Rim Opt.)	1
35	86−9630	Asm−Front Axle	1
36	32144−67	Screw−HFH	4
37	32128−20	Nut−HFH	3
39	2811−9	Street Elbow	1
40	289−37	Nipple−Pipe	1
41	23−5180	Dipstick	1
42	53−4430	Decal−Oil	1
*	231−90	Tube−Inner	2
*	62−7020	Asm−Wheel & Tire (23”x10.5”x12” 4 Ply) (Optional)	2
*	69−9870	Asm−Wheel & Tire (23”x10.5”x12” 6 Ply) (Optional)	2
43	2412−74	Clamp−R	1
44	32144−14	Screw HH	1

* Not Illustrated

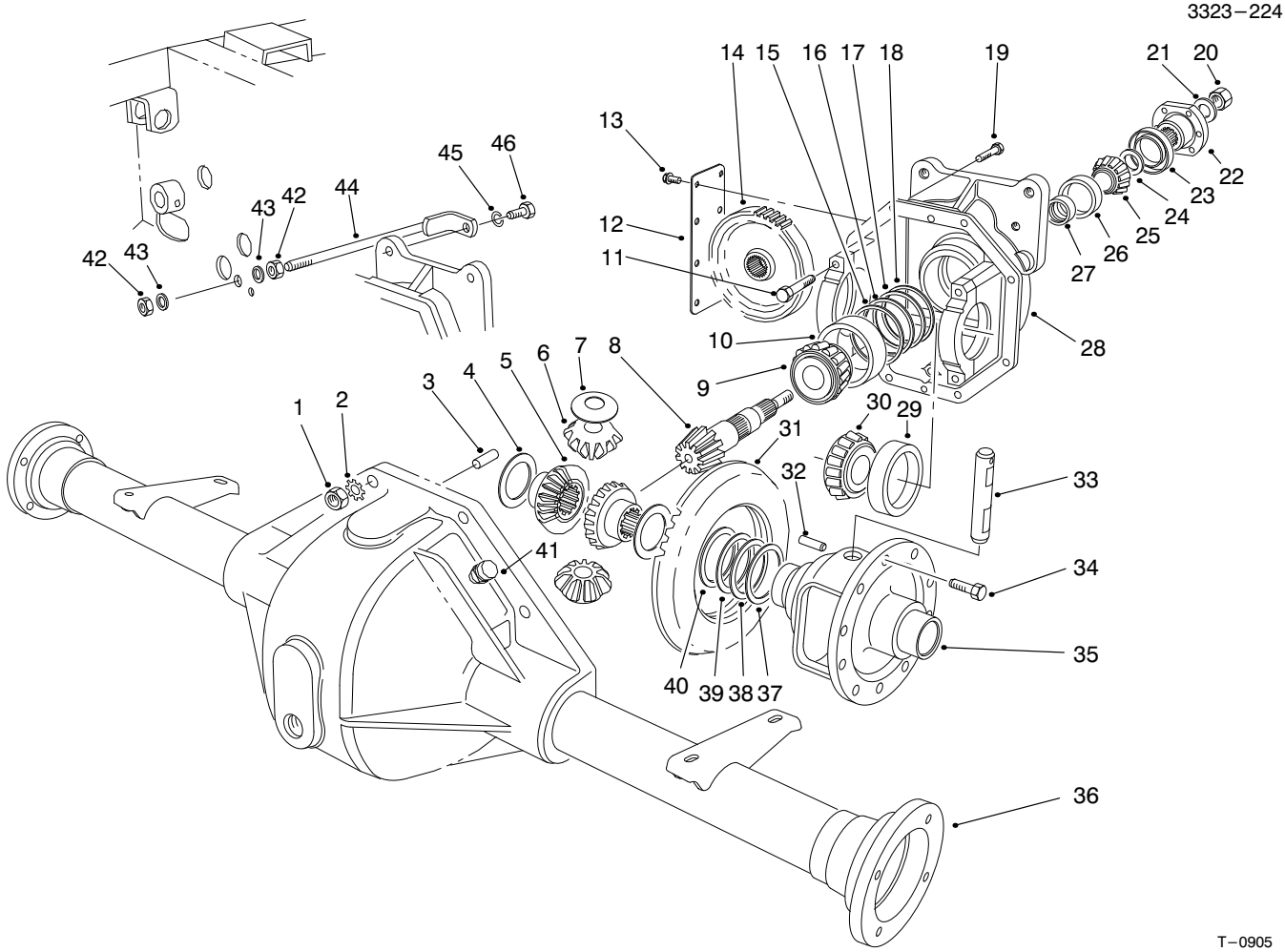


FRONT AXLE ASSEMBLY NO. 86−9630

Ref. No.	Part No.	Description	No. Used
1	3219−2	Nut	8
2	3255−8	Washer−Lock	8
3	21−8270	Pin−Dowel	2
4	21−7720	Washer−Thrust	2
5	24−8790	Gear−Bevel, Diff. Side	2
6	21−7690	Gear−Pinion	2
7	21−7730	Washer−Thrust	2
8		Pinion−Drive	1
9	43−6760	Cone−Bearing, Tapered	1
10	43−6750	Cup−Bearing, Tapered	1
11	92−1773	Screw−HH	4
12	21−7830	Cover−Gear	1
13	12−5450	Screw−Thread Forming	8
14	86−7230	Gear−Spur	1
15	43−6710	Shim .003−Diff. Adjust.	A/R
16	43−6711	Shim .005−Diff. Adjust.	A/R
17	43−6712	Shim .010−Diff. Adjust.	A/R
18	43−6713	Shim .030−Diff. Adjust.	A/R
19	3210−7	Screw−HH	8
20	71−4350	Nut	1
21	71−4340	Washer	1
22	68−7010	Flange	1
23	71−4330	Seal	1
24	72−3570	Shim .094−Diff. Adjust.	A/R
*	72−3571	Shim .096−Diff. Adjust.	A/R
*	72−3572	Shim .098−Diff. Adjust.	A/R

Ref. No.	Part No.	Description	No. Used
*24	72−3573	Shim .100−Diff. Adjust.	A/R
*	72−3574	Shim .102−Diff. Adjust.	A/R
*	72−3575	Shim .104−Diff. Adjust.	A/R
*	72−3576	Shim .106−Diff. Adjust.	A/R
*	72−3577	Shim .108−Diff. Adjust.	A/R
*	72−3578	Shim .110−Diff. Adjust.	A/R
*	72−3580	Shim .112−Diff. Adjust.	A/R
*	72−3581	Shim .114−Diff. Adjust.	A/R
*	72−3582	Shim .116−Diff. Adjust.	A/R
*	72−3583	Shim .118−Diff. Adjust.	A/R
*	72−3584	Shim .120−Diff. Adjust.	A/R
*	72−3585	Shim .125−Diff. Adjust.	A/R
*	72−3586	Shim .127−Diff. Adjust.	A/R
*	72−3587	Shim .129−Diff. Adjust.	A/R
*	72−3588	Shim .131−Diff. Adjust.	A/R
*	72−3590	Shim .133−Diff. Adjust.	A/R
*	72−3591	Shim .135−Diff. Adjust.	A/R
*	72−3592	Shim .137−Diff. Adjust.	A/R
*	72−3593	Shim .139−Diff. Adjust.	A/R
*	72−3594	Shim .141−Diff. Adjust.	A/R
*	72−3595	Shim .143−Diff. Adjust.	A/R
*	72−3596	Shim .145−Diff. Adjust.	A/R
*	72−3597	Shim .147−Diff. Adjust.	A/R
*	72−3598	Shim .149−Diff. Adjust.	A/R
*	72−3600	Shim .151−Diff. Adjust.	A/R
25	254−91	Cone−Bearing	1

* Not Illustrated



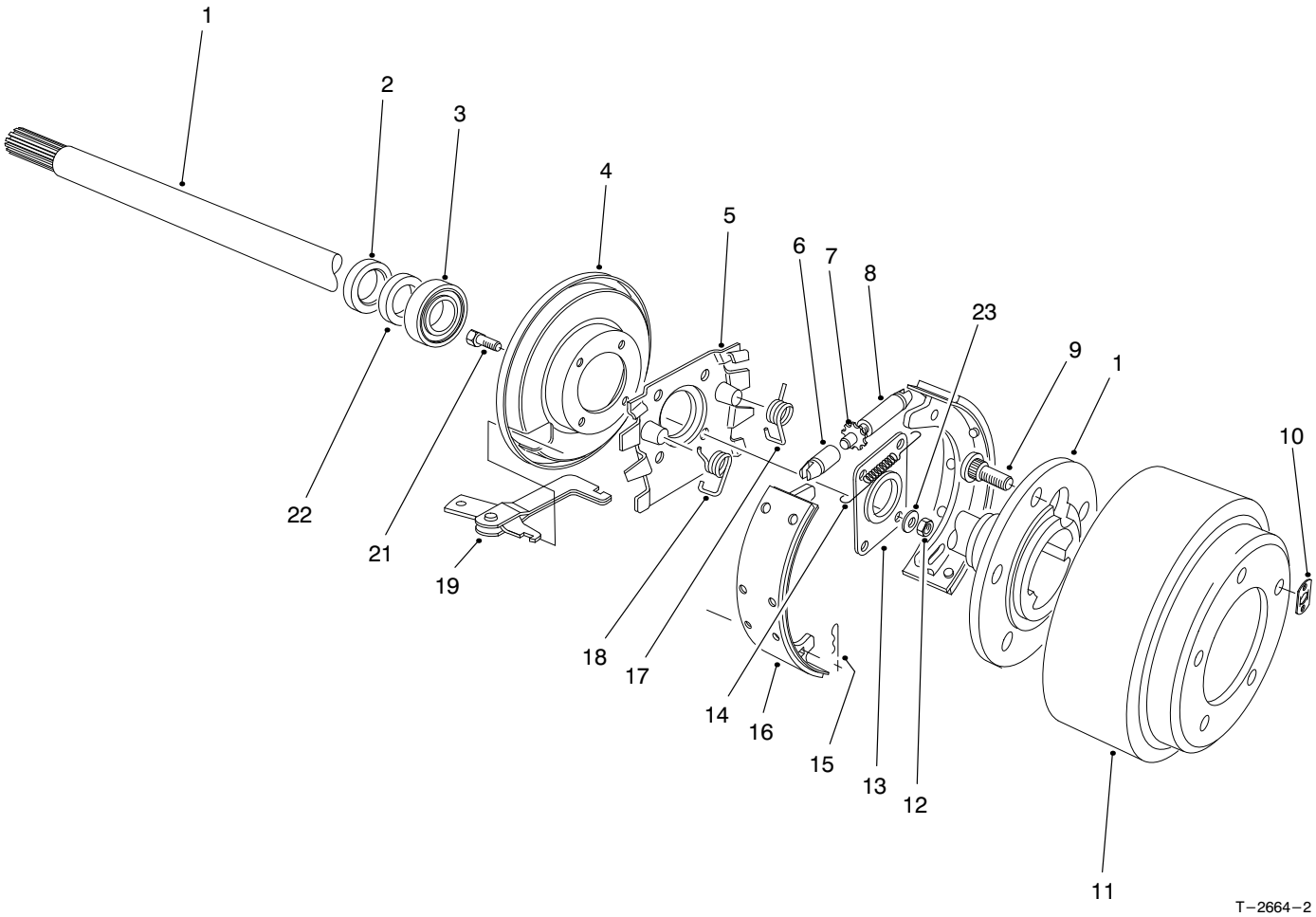
T−0905

FRONT AXLE ASSEMBLY NO. 86−9630 (Continued)

Ref. No.	Part No.	Description	No. Used
26	254−90	Cup−Bearing	1
27	21−8020	Spacer−Bearing, Pinion Ft.	1
28	86−9610	Asm−Carrier (Incl. Ref.#11)	1
29	254−66	Cup−Bearing, Tapered	2
30	254−65	Cone−Bearing, Tapered	2
31		Gear−Ring	1
32	32121−15	Pin−Roll	1
33	21−7700	Shaft−Pinion, Mate	1
34	21−7770	Screw−Gear, Drive	5
35	21−7670	Case−Differential	1
36	43−6840	Housing−Lower	1
37	21−8120	Shim .030−Diff. Adjust.	A/R

Ref. No.	Part No.	Description	No. Used
38	21−8110	Shim .010−Diff. Adjust.	A/R
39	21−8100	Shim .005−Diff. Adjust.	A/R
40	21−8090	Shim .003−Diff. Adjust.	A/R
41	72−9420	Asm−Vent	1
42	3217−9	Nut−Hex.	2
43	3256−6	Washer−Flat	2
44	24−9830	Support−Axle	1
45	3253−21	Washer−Lock	1
46	323−6	Screw−HH	1
*	92−1676	Asm−Gear & Pinion (Incl. Ref. #8 & 31)	1
*	92−4902	Asm−Upper Housing (Incl. Ref. #4−35 & 37−40)	1

* Not Illustrated

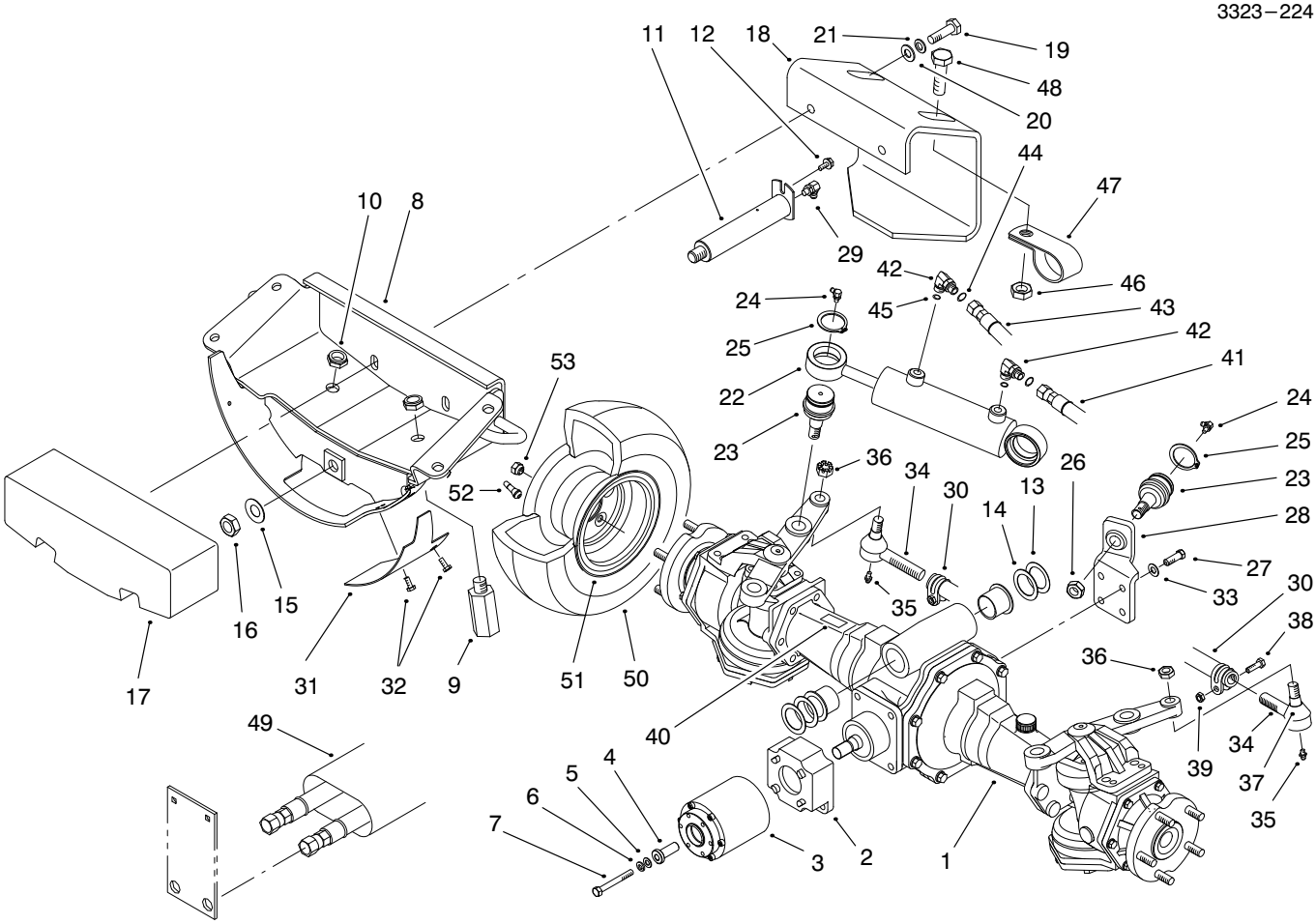


BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	28−0650	Shaft−Flanged, Axle	2
2	92−1774	Seal−Oil	2
3	21−8180	Bearing	2
4	21−9450	Dust Shield	2
5	43−6810	Torque−Spider	2
6	21−9390	Socket−Adjusting Screw	2
7	21−9370	Screw−Adjusting	2
8	21−9380	Nut−Pivot	2
9	242−34	Stud−Flanged, Axle	10
10	21−8360	Clip−Retaining	2
11	28−0680	Brake Drum	2
12	94−6935	Nut−Lock	8

Ref. No.	Part No.	Description	No. Used
13	28−0670	Seal−Oil	2
14	21−9440	Spring−Adjusting Screw	2
15	21−9460	Retainer−Brake Lever	4
16	84−8600	Asm−Shoe & Lining (Set of 4)	1
17	21−9420	Spring−Shoe Return LH	2
18	21−9430	Spring−Shoe Return RH	2
19	24−9180	Strut & Lever Parking Brake	2
21	94−6934	Screw−HH	8
22	24−8840	Ring−Wheel Bearing	2
23	94−6936	Washer	8
*	92−8775	Kit−Gasket, Liquid	2

* Not Illustrated



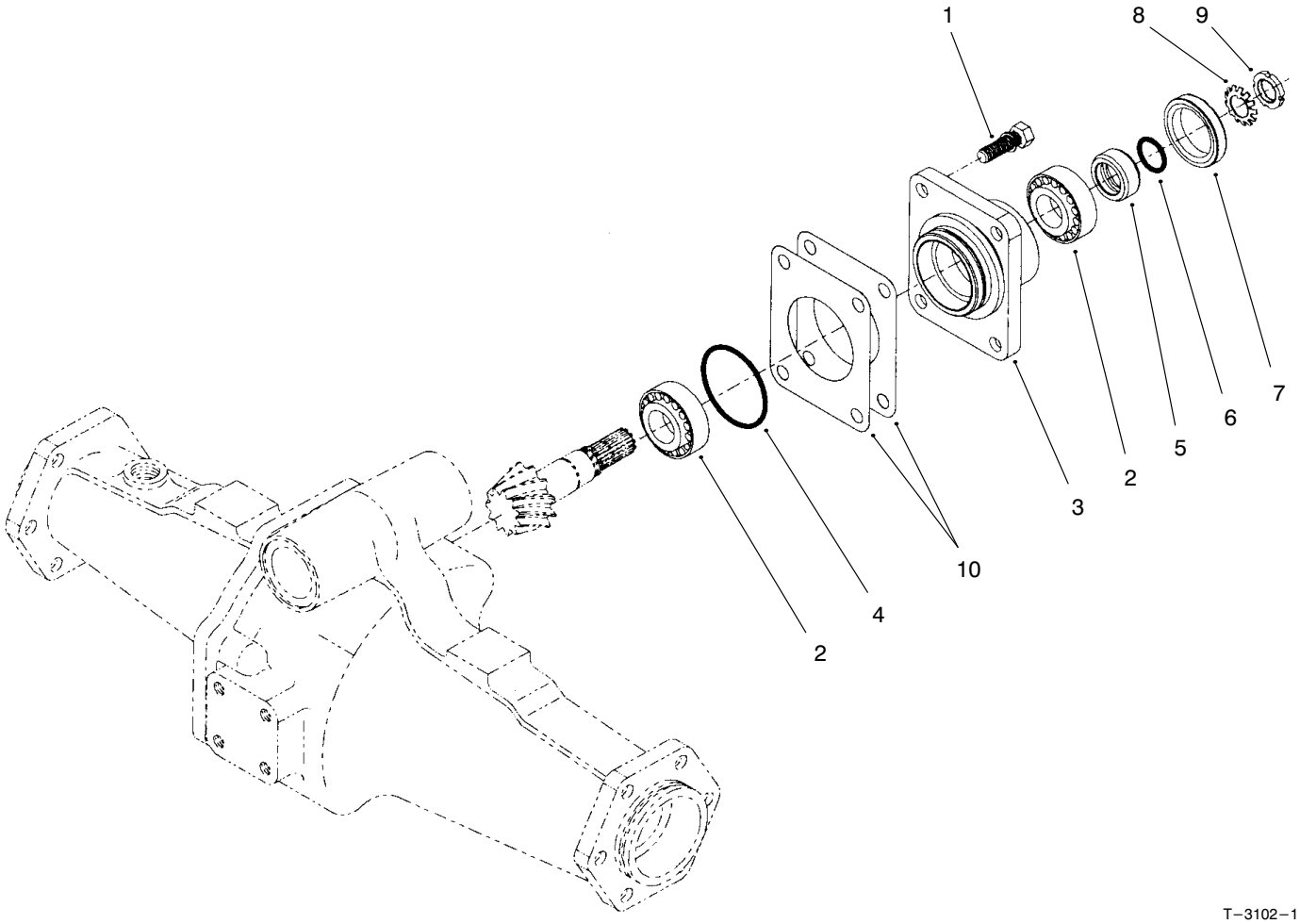
T−3110−2

REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95−7501	Asm−Drive Axle	1
2	98−3860	Adapter−Clutch	1
3	95−6296	Clutch−Bidirectional	1
4	99−8436	Spacer	1
5	33094−00	Washer−Flat	1
6	3253−4	Washer−Lock	1
7	33114−070	Screw−HH	1
8	98−3855	Axle Support	1
9	98−3863	Stop−Oscillation	2
10	3296−15	Nut−Hex.	2
11	98−3858	Rear Axle Pin	1
12	32144−14	Screw−HWH	1
13	99−8431	Washer−Thrust (Thin)	A/R
14	99−8432	Washer−Thrust (Thick)	A/R
15	71−4540	Washer−Thrust	1
16	32146−20	Nut−Lock Jam	1
17	98−3869	Weight−Rear	1
18	98−3880	Bumper	1
19	325−7	Screw−HH	2
20	3256−26	Washer−Flat	2
21	3253−7	Washer−Lock	2
22	99−2415	Cylinder−Hydraulic	1
23	92−5838	Ball Joint	2
24	302−11	Fitting−Grease 45°	2
25	32151−104	Ring−Retaining	2
26	3220−6	Nut−Jam	4
27	95−8812	Screw−HH	4
28	98−3862	Bracket−Cylinder Support	1

Ref. No.	Part No.	Description	No. Used
29	302−33	Fitting−Lube	1
30	99−2412	Asm−Tube & Clamp	1
31	99−2413	Cover−Guard, Flywheel	1
32	32144−10	Screw−HH	2
33	48−9220	Washer	4
34	71−4740	Tie Rod End	2
35	302−55	Fitting−Lube	2
36	3220−11	Nut−Jam	2
37	71−4760	Seal	2
38	323−9	Screw−HH	2
39	3296−39	Nut−Hex. Lock	2
40	70−2560	Decal−Lube	1
41	99−2407	Hose−Hydraulic	1
42	340−97	Fitting−Hydraulic 90° (Incl. Ref. #44 & 45)	2
43	99−2408	Hose−Hydraulic	1
44	237−22	O−Ring	2
45	237−78	O−Ring	2
46	32128−20	Nut−Lock	1
47	2412−74	R−Clamp	1
48	3234−17	Screw−HH	1
49	56−7985	Sleeve	1
50	231−122	Tire	2
51	99−2410	Rim	2
52	232−31	Stem−Valve	2
53	93−5268	Nut−Lug	10
*	98−3871	Asm−Tie Rod (Incl. Ref. #30 & 34−39)	1

* Not Illustrated



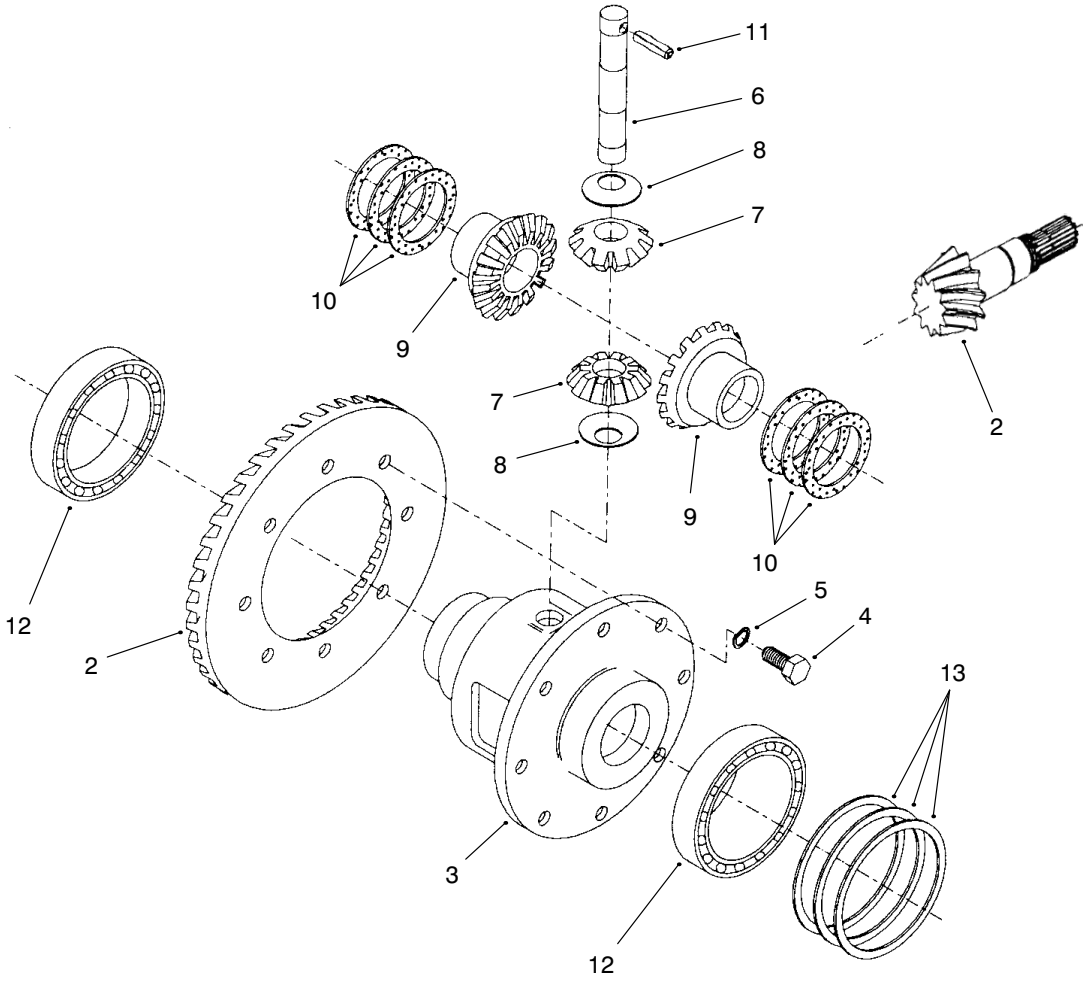
T−3102−1

REAR AXLE ASSEMBLY NO. 95−7501
BEVEL PINION SHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	99−7575	Bolt	4
2	99−7570	Bearing−Taper Roller	2
3	95−7535	Case−Bearing	1
4	99−7571	O−Ring	1
5	99−7572	Collar−Oil Seal	1
6	99−7573	O−Ring	1

Ref. No.	Part No.	Description	No. Used
7	99−7574	Seal−Oil	1
8	99−7559	Washer−Lock	1
9	99−7560	Nut−Lock	1
10	99−7550	Shim−0.1	2
*	99−7551	Shim−0.2	2

* Not Illustrated

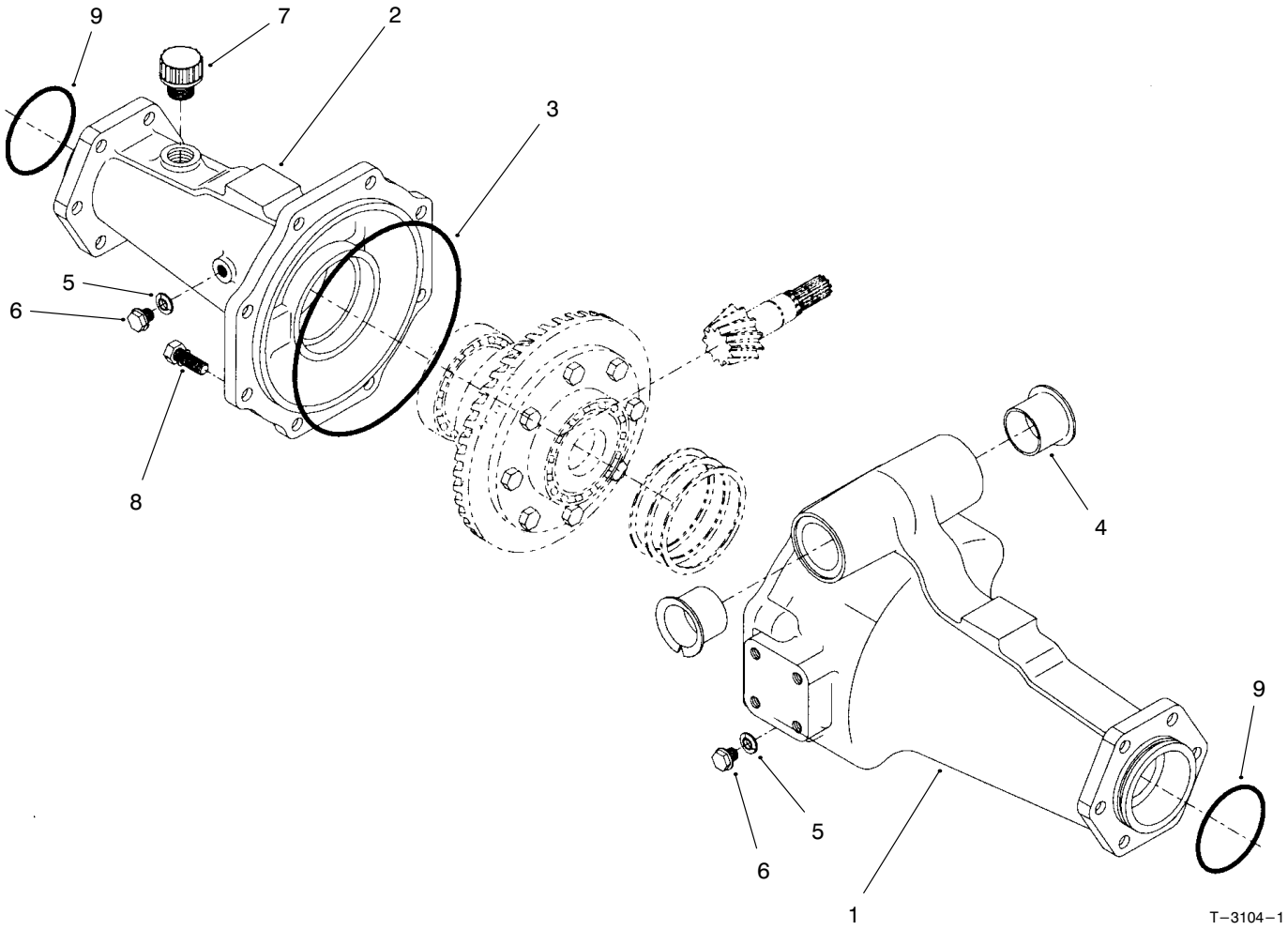


T−3103−1

REAR AXLE ASSEMBLY NO. 95−7501 (Continued)
DIFFERENTIAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95−7503	Asm−Differential (Incl. Ref. #2−11)	1
2	100−2555	Ring & Pinion Matched Set	1
3	95−7502	Case−Differential	1
4	99−7576	Bolt	8
5	99−7577	Washer−Spring	8
6	99−7578	Shaft−Differential Pinion	1
7	99−7579	Pinion−Differential	2
8	99−7580	Washer−Differential Pinion	2
9	99−7581	Gear−Differential, Side	2
10	99−7582	Washer−Differential	2
*	99−7583	Washer−Differential	2
*	99−7584	Washer−Differential	2
11	99−7588	Pin−Spring	1
12	99−7562	Bearing−Ball	2
13	99−7585	Shim−0.1	2
*	99−7586	Shim−0.2	2
*	99−7587	Shim−0.4	2

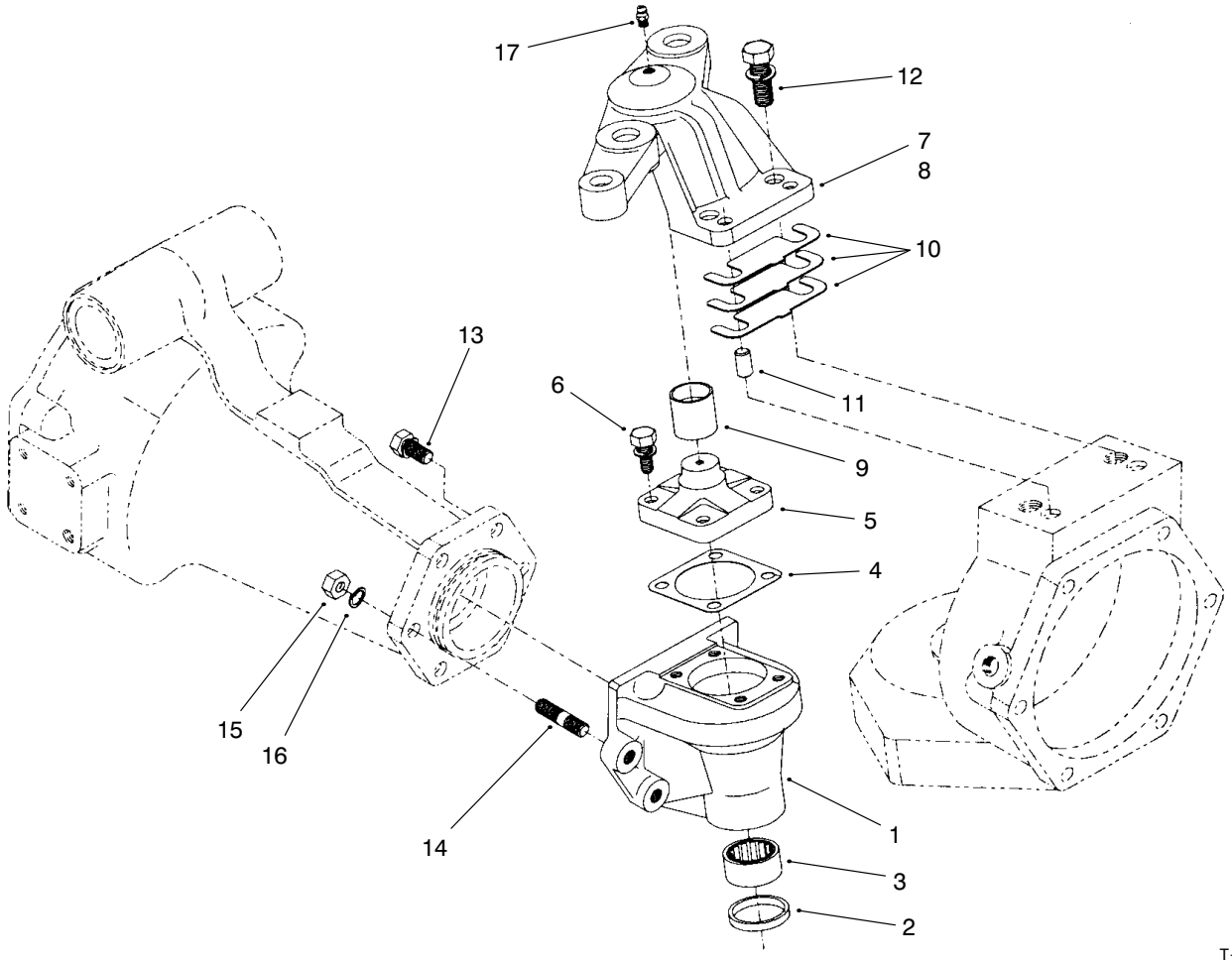
* Not Illustrated



REAR AXLE ASSEMBLY NO. 95−7501 (Continued)
AXLE SUPPORT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95−7508	Support #1−Axle	1
2	95−7506	Support #2−Axle	1
3	95−7507	O−Ring	1
4	95−7537	Bushing−Flange	2
5	99−7589	Plug	2

Ref. No.	Part No.	Description	No. Used
6	99−7590	Washer−Seal	2
7	99−7591	Asm−Oil Plug	1
8	99−7592	Bolt	8
9	99−7593	O−Ring	2



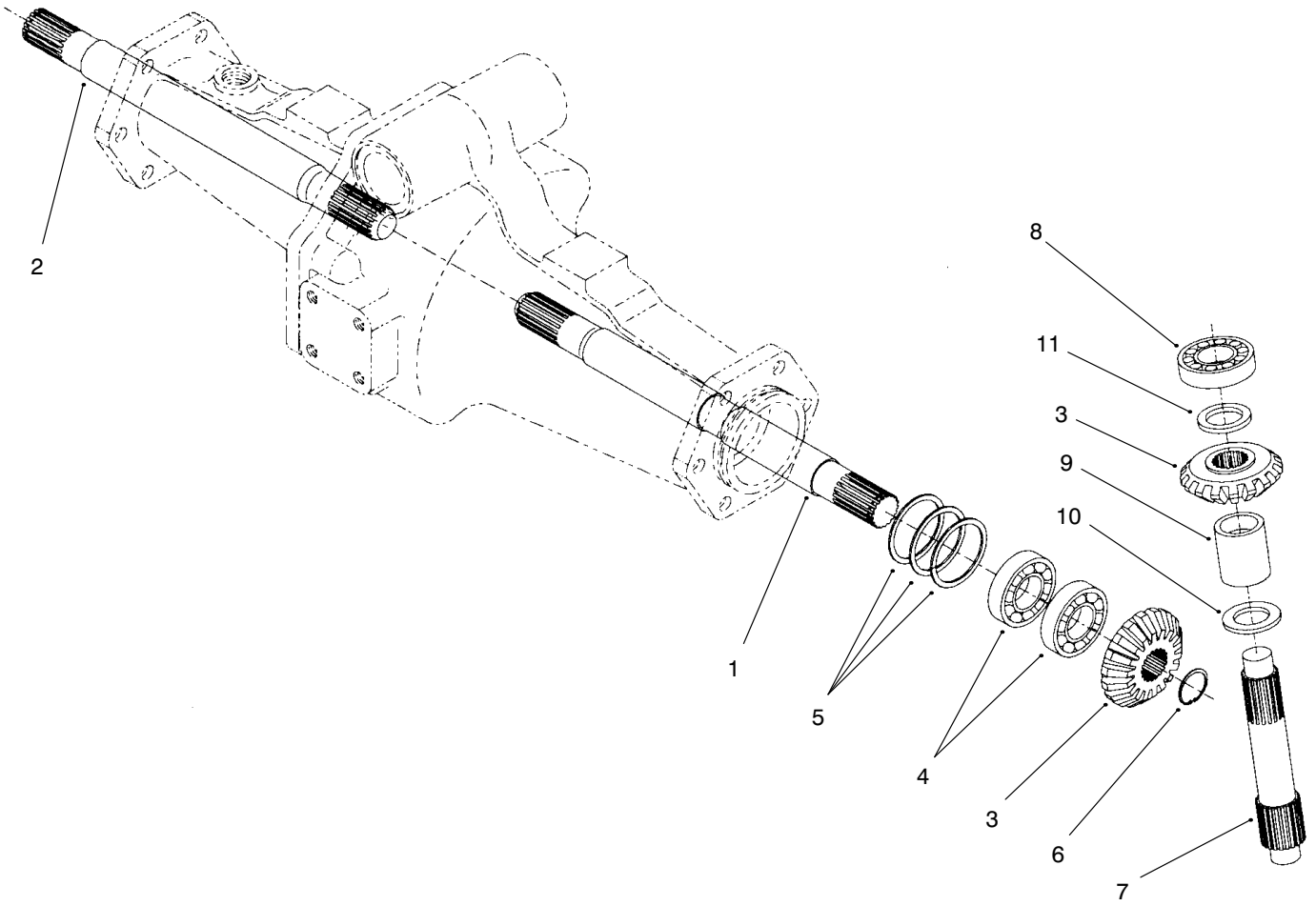
T−3105−1

REAR AXLE ASSEMBLY NO. 95−7501 (Continued)
BEVEL GEAR CASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95−7539	Case−Bevel Gear	2
2	99−7594	Seal−Oil	2
3	99−7595	Bearing−Needle	2
4	95−7511	Gasket	2
5	95−7510	Pin−Knuckle	2
6	99−7596	Bolt	8
7	95−7514	Support−Axle Case, LH	1
8	95−7516	Support−Axle Case, RH	1
9	99−7529	Bushing	2

Ref. No.	Part No.	Description	No. Used
10	95−7547	Shim−0.1	2
*	95−7548	Shim−0.2	2
*	95−7549	Shim−0.4	2
11	99−7597	Pin−Straight	4
12	99−7598	Bolt	4
13	99−7599	Bolt	8
14	99−7525	Stud	4
15	99−7526	Nut	4
16	99−7527	Washer−Spring	4
17	99−7528	Nipple−Grease	2

* Not Illustrated

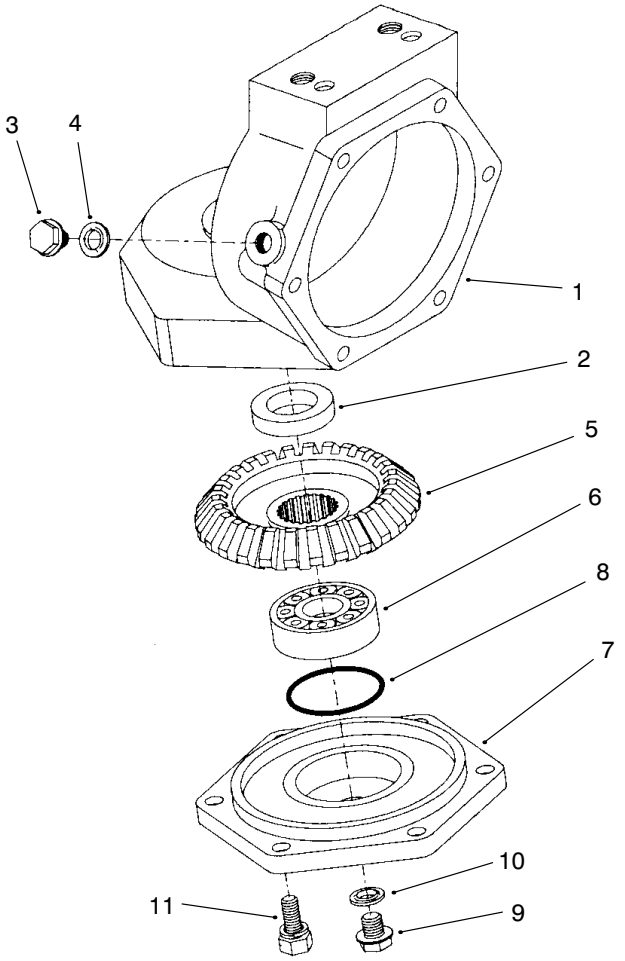


REAR AXLE ASSEMBLY NO. 95−7501 (Continued)
BEVEL GEAR SHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95−7509	Shaft−Differential Gear, LH	1
2	95−7512	Shaft−Differential Gear, RH	1
3	95−7518	Gear−18 Bevel	4
4	99−7530	Bearing−Ball	4
5	99−7552	Shim−0.1	2
*	99−7553	Shim−0.2	2
*	99−7554	Shim−0.5	2

Ref. No.	Part No.	Description	No. Used
6	99−7531	Clip	2
7	95−7530	Shaft−Bevel Gear	2
8	99−7532	Bearing−Taper Roller	2
9	95−7543	Spacer	2
10	99−7533	Collar−Thrust	2
11	99−7558	Collar	2

* Not Illustrated

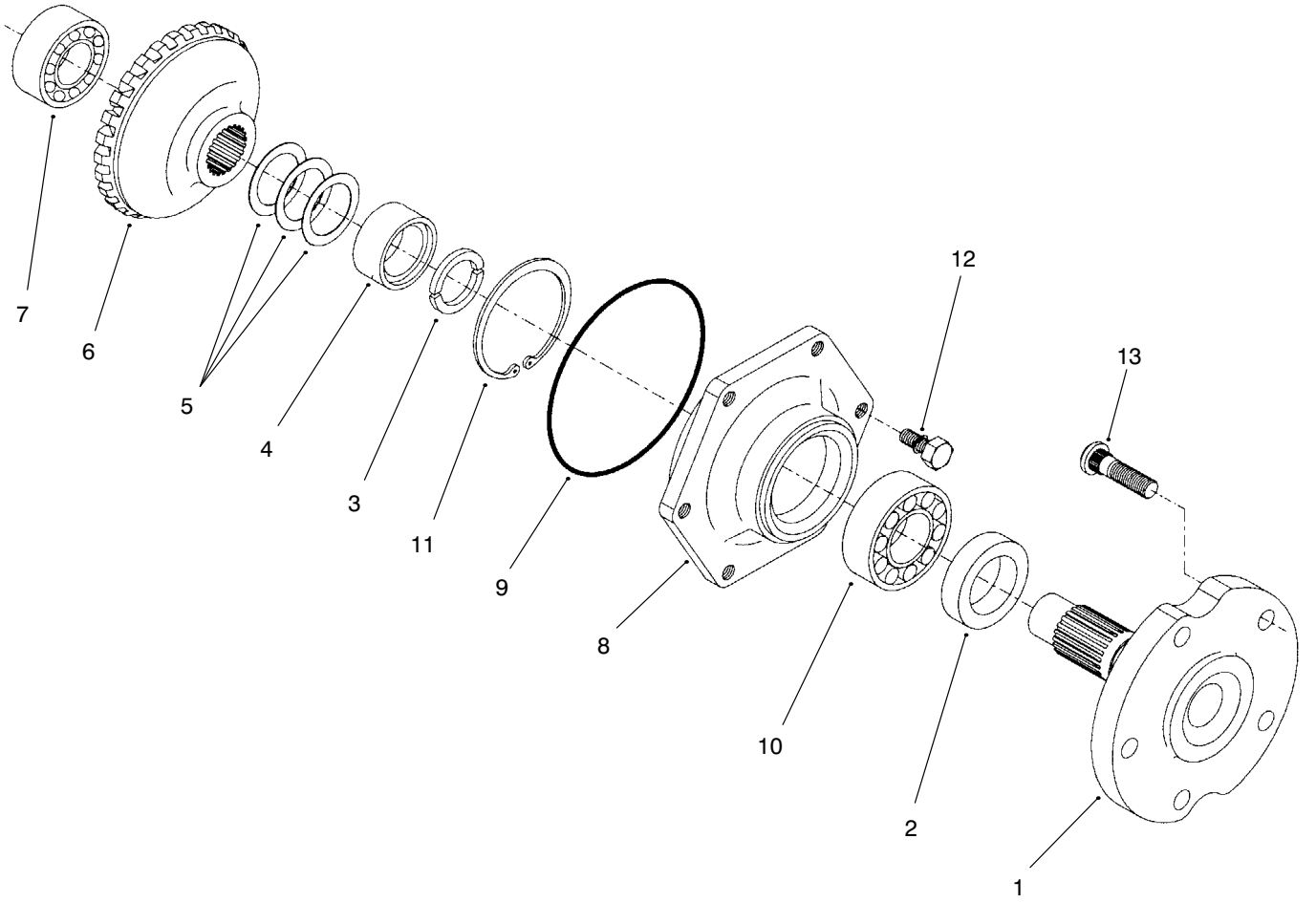


T−3107−1

REAR AXLE ASSEMBLY NO. 95−7501 (Continued)
AXLE CASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95−7532	Case−Axle	2
2	99−7594	Seal−Oil	2
3	99−7535	Plug	2
4	99−7536	Washer−Seal	2
5	95−7528	Gear−27 Bevel	2
6	99−7532	Bearing−Taper Roller	2

Ref. No.	Part No.	Description	No. Used
7	95−7526	Cover−Axle	2
8	99−7537	O−Ring	2
9	99−7589	Plug	2
10	99−7590	Washer−Seal	2
11	99−7596	Bolt	12



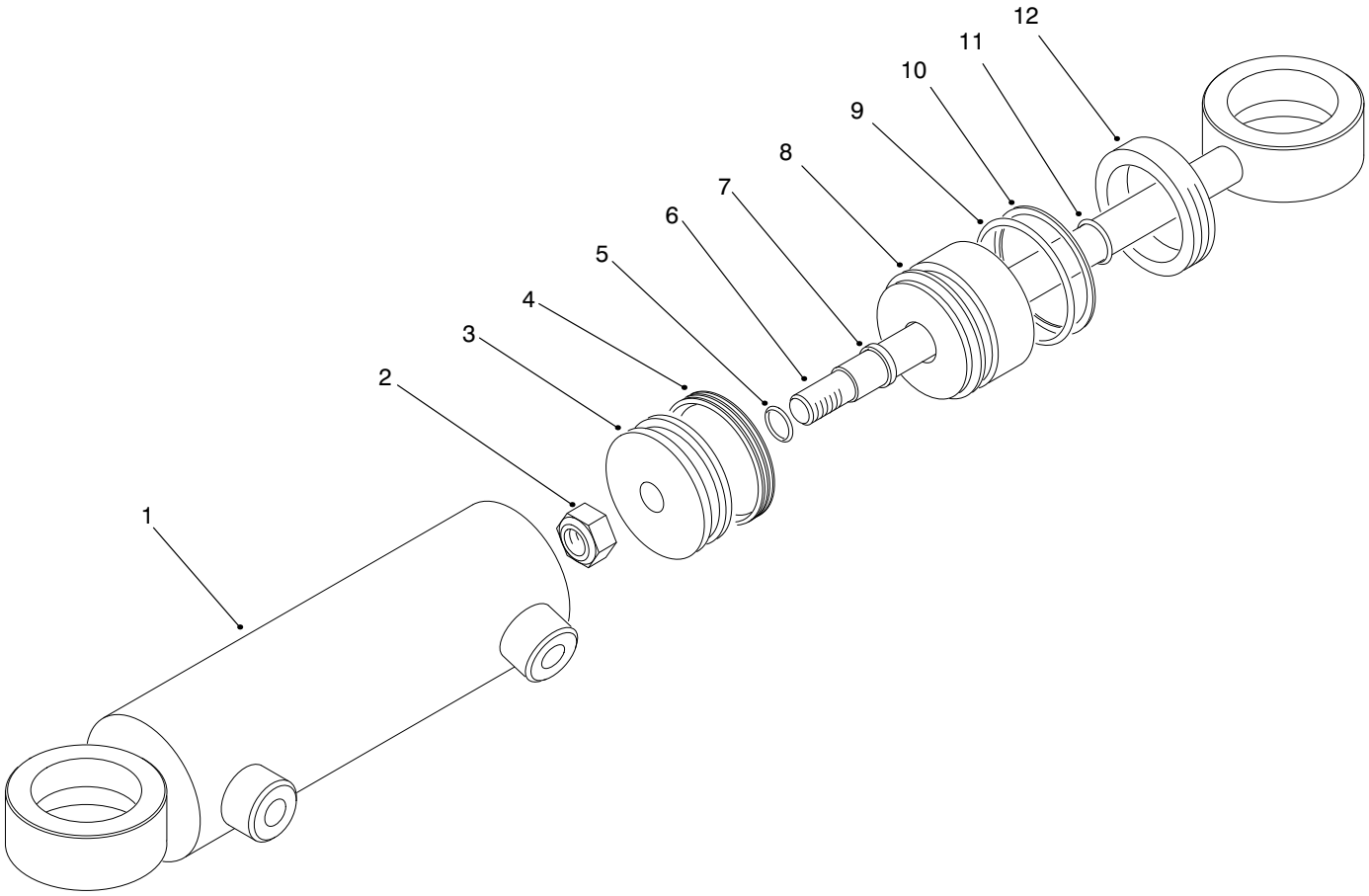
T−3108−1

REAR AXLE ASSEMBLY NO. 95−7501 (Continued)
AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	95−7522	Axle	2
2	99−7564	Seal−Oil	2
3	95−7544	Clip	4
4	95−7523	Spacer	2
5	99−7555	Shim−0.3	2
*	99−7556	Shim−0.2	2
*	99−7557	Shim−0.5	2
6	95−7525	Gear−27 Bevel	2

Ref. No.	Part No.	Description	No. Used
7	99−7534	Bearing−Double Ball	2
8	95−7521	Cover−Axle	2
9	99−7538	O−Ring	2
10	99−7561	Bearing−Ball	2
11	99−7539	Clip	2
12	99−7596	Bolt	12
13	99−7563	Stud	10

* Not Illustrated



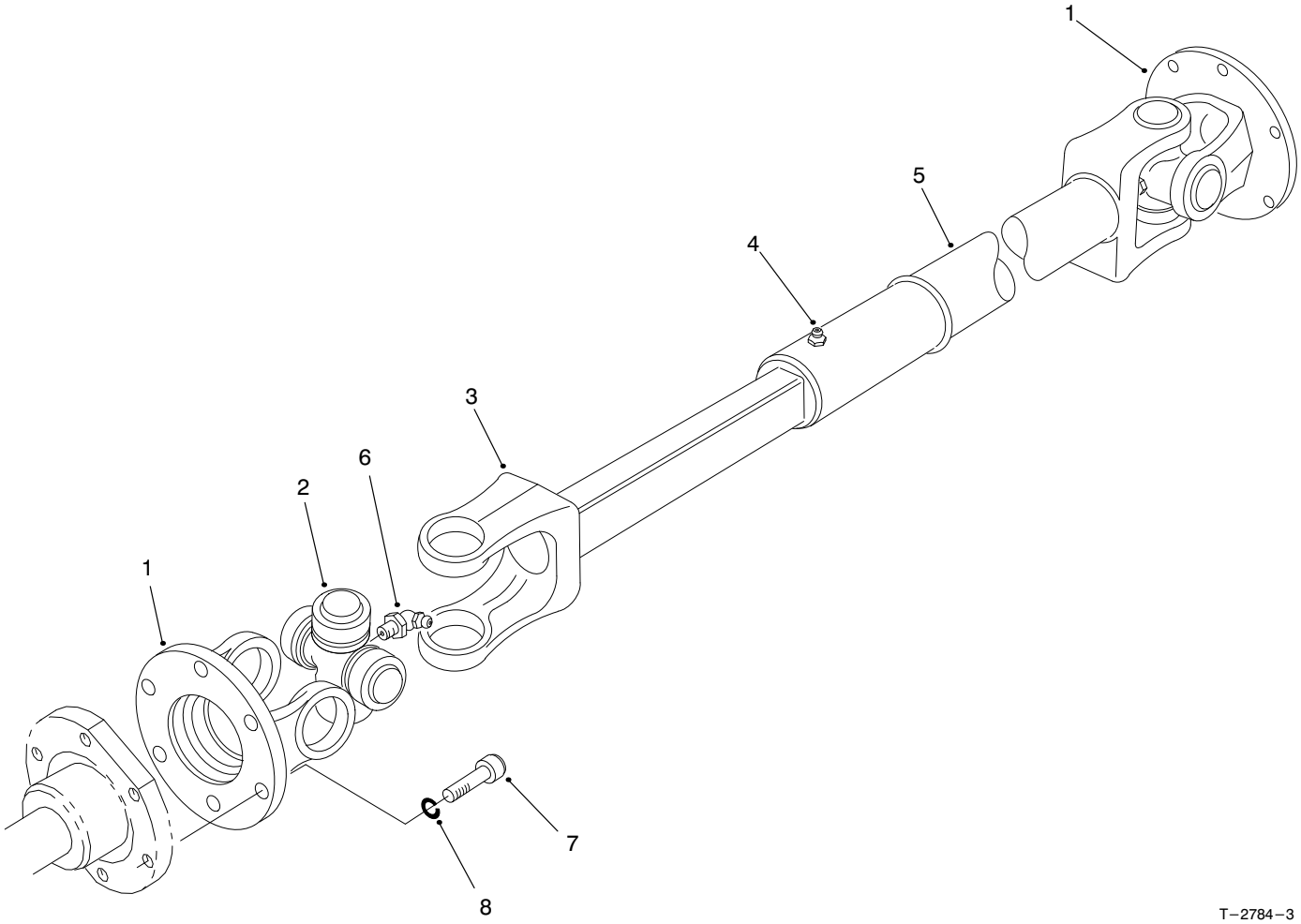
T−3111−1

STEERING CYLINDER NO. 99−2415

Ref. No.	Part No.	Description	No. Used
†1		Asm−Barrel	1
2	32152−10	Nut−Lock	1
†3		Piston	1
†4		Uniring	1
†5		O−Ring	1
†6		Rod	1
†7		Seal−Rod	1

Ref. No.	Part No.	Description	No. Used
†8		Head	1
†9		O−Ring	1
†10		Seal−Backup	1
†11		Seal−Dust	1
†12		Collar−Internal	1
*	86−5390	Kit−Seal Repair (Incl. Ref. #4, 5, 7 & 9−11)	1

* Not Illustrated
† Not Serviced Separately



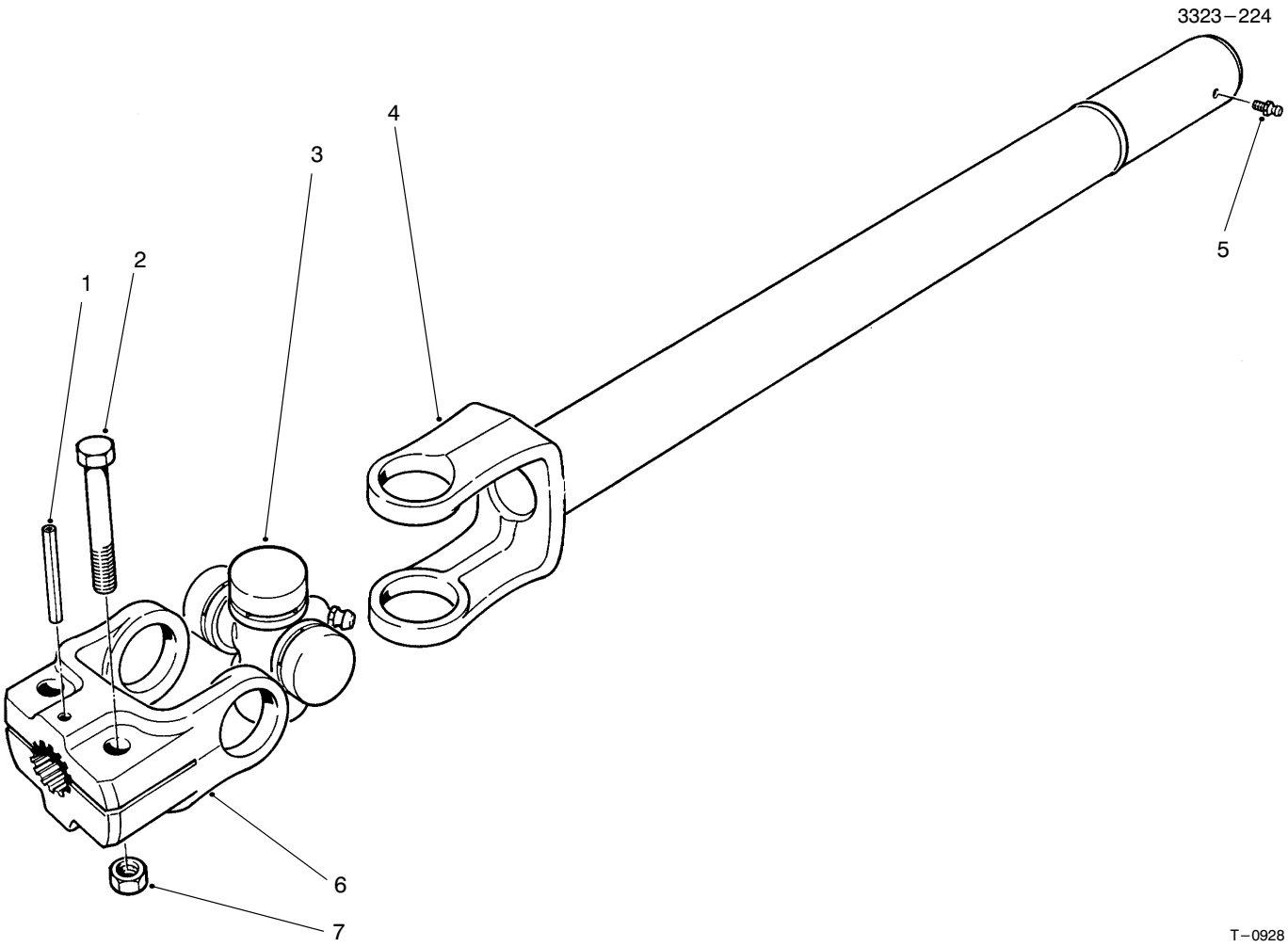
T–2784–3

DRIVE SHAFT ASSEMBLY NO. 98–5009

Ref. No.	Part No.	Description	No. Used
1	72–3410	Yoke–Flange	2
2	54–9180	Kit–Universal Joint	2
3	72–3420	Shaft–Yoke, Slip	1
4	302–58	Fitting–Grease	1
5	72–3431	Tube–Yoke, Slip	1
6	62–3820	Fitting–Grease 65°	2

Ref. No.	Part No.	Description	No. Used
†7	3274–8	Screw–HFH	6
†8	3253–3	Washer–Lock	6
*	98–5009	Driveshaft (Complete)	1
*	92–5096	Asm–Joint & Shaft (Incl. Ref. #1–3 & 6)	1

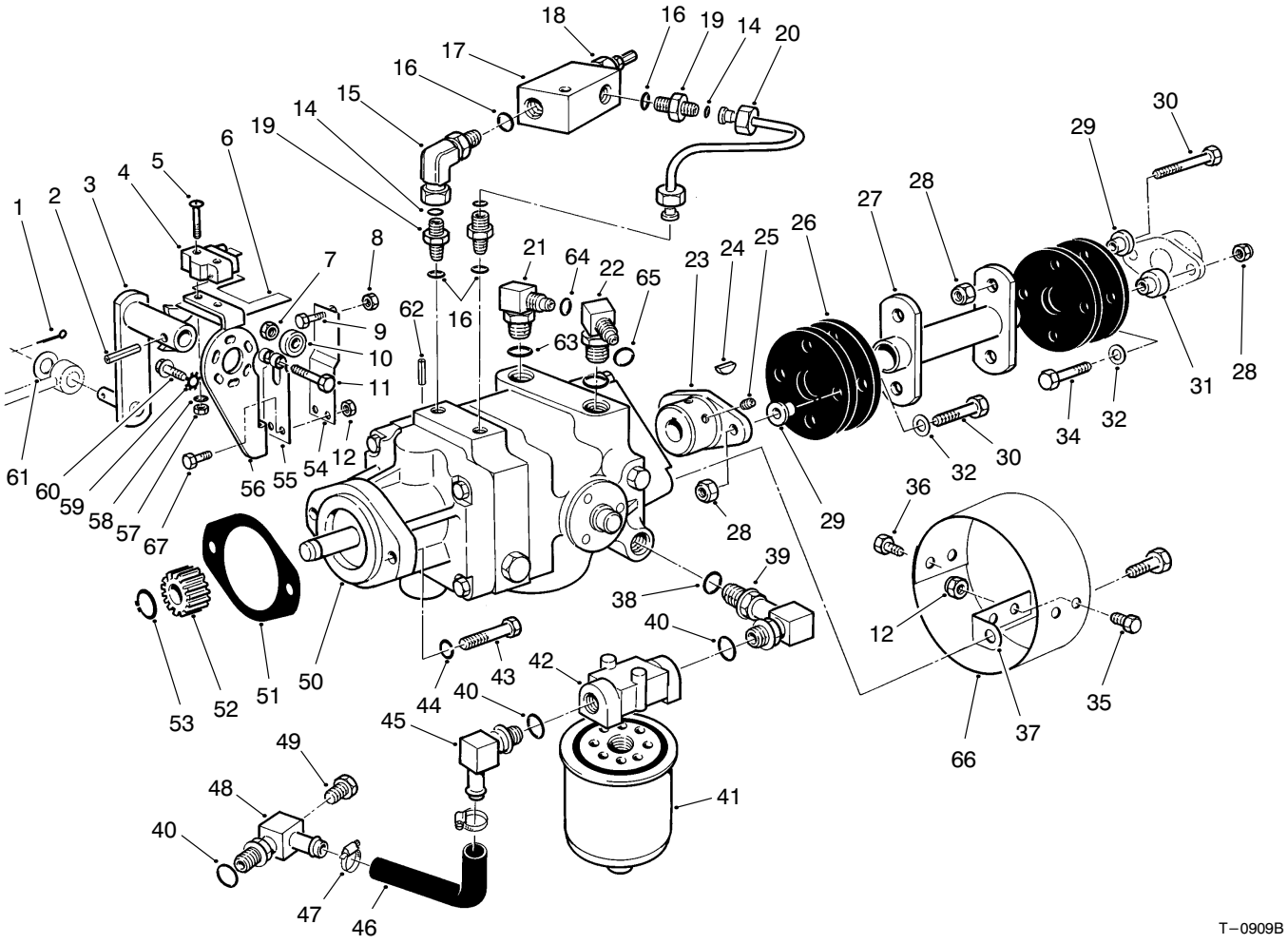
* Not Illustrated
† Order item Separately



DRIVE SHAFT ASSEMBLY NO. 72–3741

Ref. No.	Part No.	Description	No. Used
1	32121–34	Pin–Roll	1
2	323–9	Screw–HH	2
3	54–9180	Kit–Joint, Universal	1
4	72–3461	Tube–Yoke, Half–Slip	1

Ref. No.	Part No.	Description	No. Used
5	302–58	Fitting–Grease	1
6	72–3450	Yoke–Flange, Split	1
7	32153–2	Nut–Lock	2

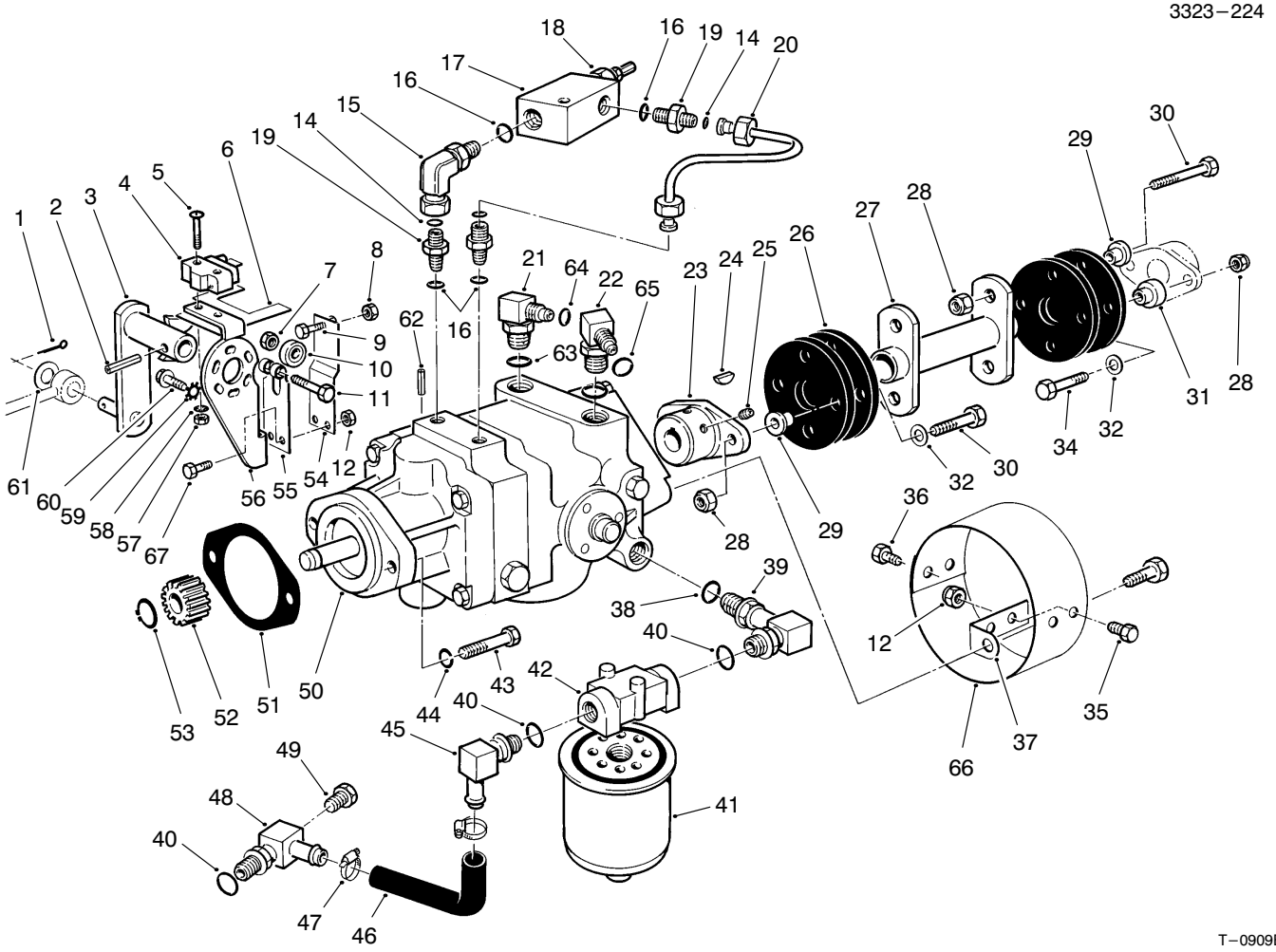


HYDROSTATIC TRANSMISSION

Ref. No.	Part No.	Description	No. Used
1	3272−10	Pin−Cotter	1
2	32121−24	Pin−Roll	1
3	28−9570	Lever−Pump	1
4	29−6163	Switch−Micro	1
5	3249−11	Screw−Mach. Rd. Hd.	2
6	46−8810	Stop−Leaf, Spring	1
7	3296−29	Nut−Lock	1
8	3219−2	Nut−Hex	1
9	3210−7	Screw−HH	1
10	251−259	Bearing−Ball	1
11	322−17	Screw−HH	1
12	3296−42	Nut−Lock	6
14	237−21	O−Ring	3
15	340−143	Elbow−Swivel	1
16	237−78	O−Ring	4
17	72−3710	Body−Valve, Relief	1
18	72−3720	Cartridge−Valve, Relief	1
*	72−3730	Kit−Seal (Relief Valve)	1
*	72−3540	Valve−Relief Adj. (Incl. Ref.#17 & 18)	1
19	340−92	Adapter−Straight	3
20	72−3550	Asm−Tube	1
21	340−77	Elbow−Fitting	1
22	340−99	Elbow−Fitting	1
23	33−4380	Hub−Pump	1
24	3257−32	Key−Woodruff	1

Ref. No.	Part No.	Description	No. Used
25	3241−5	Screw−Set, Sq. Hd.	2
26	44−2230	Coupling−Rubber	4
27	71−4400	Coupling−Drive	1
28	32152−1	Nut−Lock	8
29	71−4411	Spacer−Coupling, Rubber	6
30	322−8	Screw−HH	6
31	71−4410	Spacer−Coupling, Rubber	2
32	3256−3	Washer−Flat	4
34	322−10	Screw−HH	2
35	321−2	Screw−HH	2
36	321−4	Screw−HH	2
37	54−9290	Bracket	2
38	237−80	O−Ring	1
39	68−8660	Elbow−Fitting	1
40	237−81	O−Ring	3
41	23−9740	Filter−Oil	1
42	68−8990	Head−Filter	1
43	323−7	Screw−HH	2
44	3253−21	Washer−Lock	2
45	353−987	Elbow−Fitting	1
46	68−9650	Hose−Axle	1
47	2412−34	Clamp−Hose	2
48	70−2620	Elbow−Fitting	1
49	353−508	Plug−Drain	1
50	92−8947	Transmission−Inline	1
51	41−8760	Gasket−Transmission	1

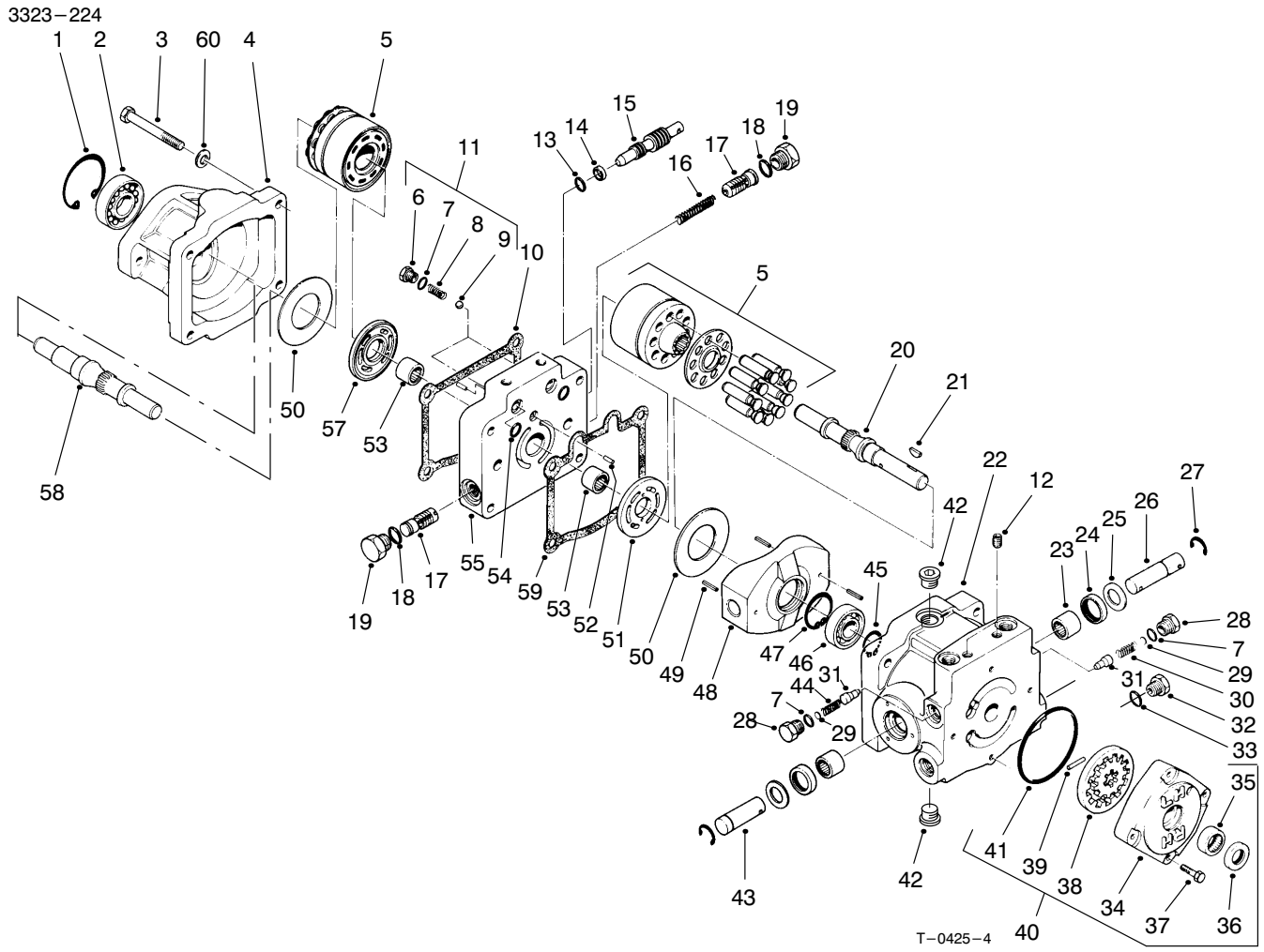
* Not Illustrated



HYDROSTATIC TRANSMISSION (Continued)

Ref. No.	Part No.	Description	No. Used
52	86−7220	Gear−Output, Trans.	1
53	32120−72	Ring−Retaining	1
54	29−6170	Spring−Leaf, Extended	1
55	29−6150	Spring−Leaf	1
56	29−6120	Plate−Pump	1
57	3217−6	Nut−Hex	2
58	3254−9	Washer−Lock	2
59	3255−7	Washer−Lock	3
60	49−2040	Screw−Self Tapping	3

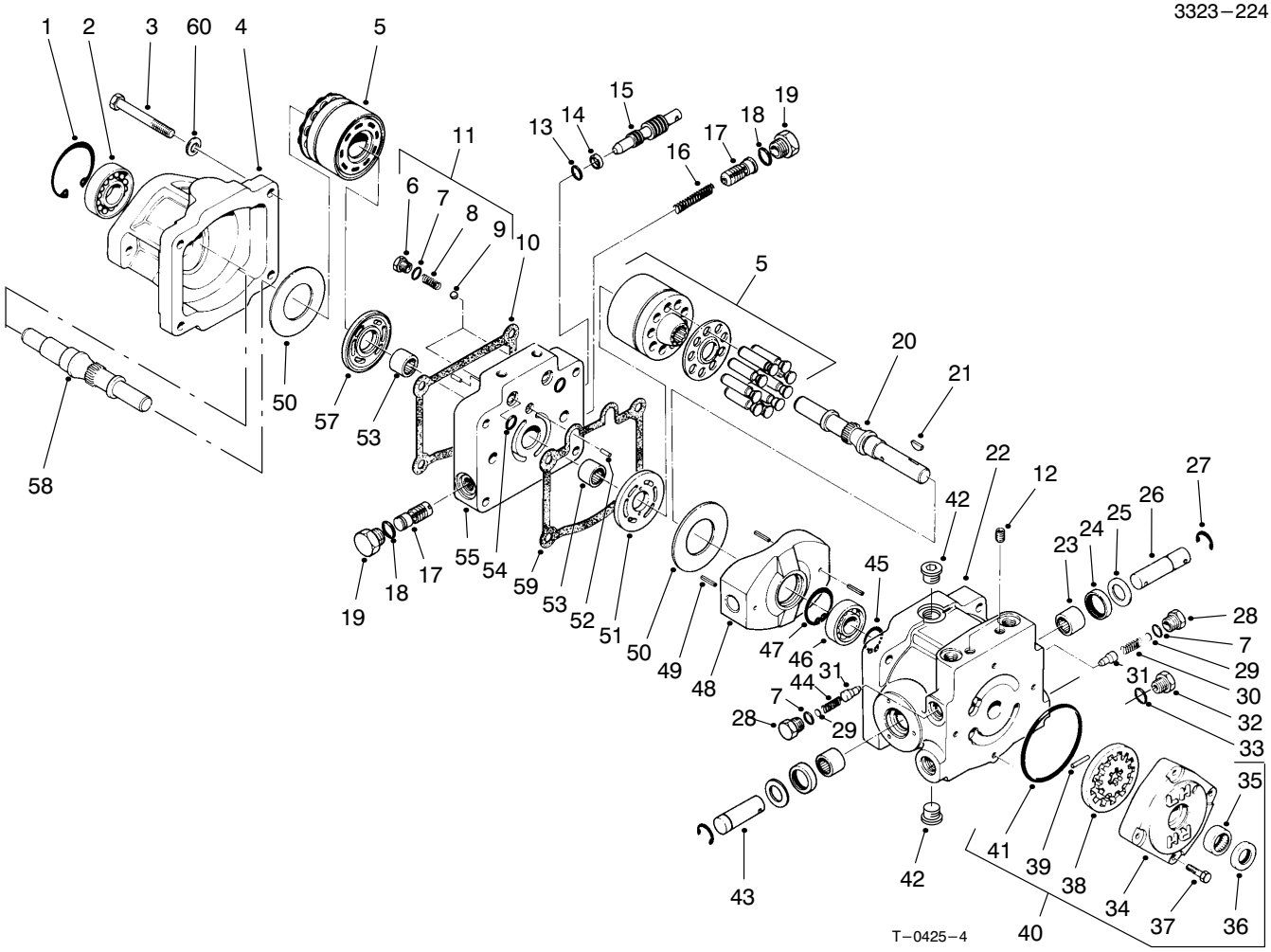
Ref. No.	Part No.	Description	No. Used
61	3256−6	Washer−Flat	1
62	32121−6	Pin−Roll	1
63	237−42	O−Ring	2
64	237−22	O−Ring	1
65	237−30	O−Ring	1
66	54−9300	Cover	1
67	321−6	Screw−HH	2
*	95−3092	Kit−400 Hour Filter (Incl. Ref. #41)	1



TRANSMISSION ASSEMBLY NO. 92−8947

Ref. No.	Part No.	Description	No. Used
1	32120−8	Ring−Retaining	1
2	72−3750	Bearing−Ball	1
3	323−56	Screw−HH	4
4	67−9080	Housing−Motor	1
5	48−1800	Kit−Cylinder Block	2
6	25−2650	Check Valve Plug	2
7	237−86	O−Ring	4
8	25−2640	Valve Spring	2
9	25−2490	Ball	2
10	67−9100	Gasket	1
11	25−3180	Kit−Check Valve (Incl. Ref. #6−9)	2
12	285−17	Pipe Plug	4
13	237−22	O−Ring	1
14	25−2630	Back−Up Ring	1
15	88−8220	By−Pass Valve	1
16	25−2610	Accel. Valve Spring	1
17	25−2410	Asm−Accel. Valve	2
18	76−1900	O−Ring	2
19	353−550	Plug−Hex. Hd.	2
20	67−8020	Pump Shaft	1
21	3257−32	Key−Woodruff	1
22	54−7890	Pump Housing (Incl. Ref. #12 & 23−25)	1
23	252−82	Bearing−Bearing	2
24	25−3210	Lip Seal	2

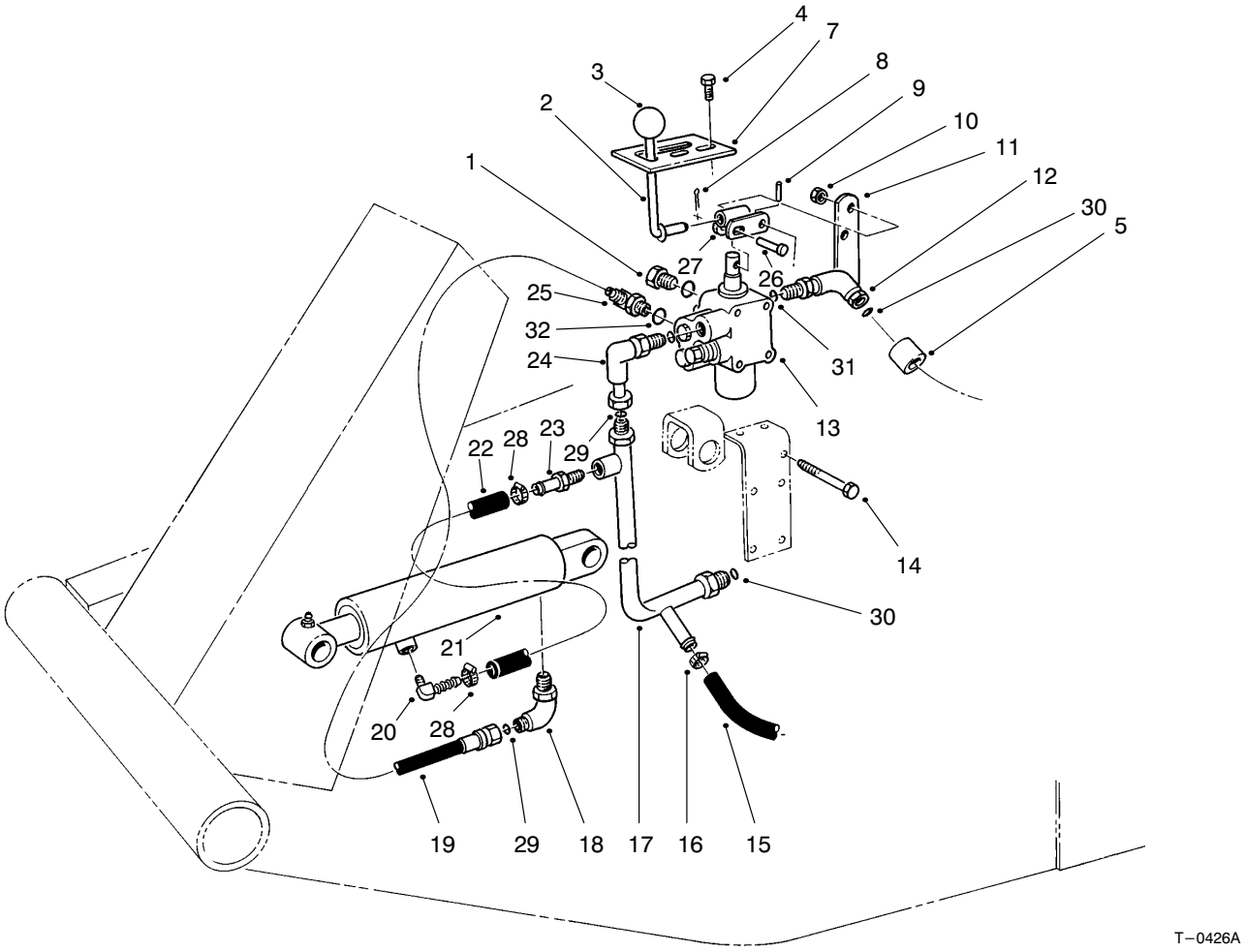
Ref. No.	Part No.	Description	No. Used
25	25−2510	Washer−Flat	2
26	25−2580	Trunnion Shaft	1
27	32151−46	Ring−Retaining	2
28	25−2460	Plug−Hex. Hd.	2
29	25−2470	Shim Pack	2
30	25−2570	Valve Spring	1
31	83−7260	Relief Valve Cone	2
32	353−551	Plug−Hex. Hd.	1
33	237−80	O−Ring	1
34	25−2550	Charge Pump Housing	1
35	67−8050	Bearing−Needle	1
36	93−4133	Lip Seal	1
37	322−4	Screw−HH	4
38	25−2680	Asm−Gerotor	1
39	25−2530	Headless Straight Pin	1
40	25−3190	Charge Pump (Incl. Ref. #34−39 & 41)	1
41	237−95	O−Ring	1
42	67−9090	Plug	2
43	25−2500	Trunnion Shaft	1
44	25−2480	Valve Spring	1
45	32120−15	Ring−Retaining	1
46	251−8	Bearing−Ball	1
47	32120−11	Ring−Retaining	1
48	25−2450	Variable Swashplate	1
49	32121−91	Pin−Coil ,Spring	3



TRANSMISSION ASSEMBLY NO. 92−8947 (Continued)

Ref. No.	Part No.	Description	No. Used
50	25−2380	Thrust Plate	2
51	25−2440	Pump Valve Plate	1
52	25−2430	Dowel Pin	2
53	46−8400	Bearing−Needle	2
54	93−4132	O−Ring	2
55	92−8918	Center Section	1

Ref. No.	Part No.	Description	No. Used
57	25−2390	Motor Valve Plate	1
58	46−8410	Motor Shaft	1
59	25−2400	Gasket	1
60	93−0312	Washer−Hardened	4
61	92−8776	Plug	4
62	92−8777	O−Ring	2



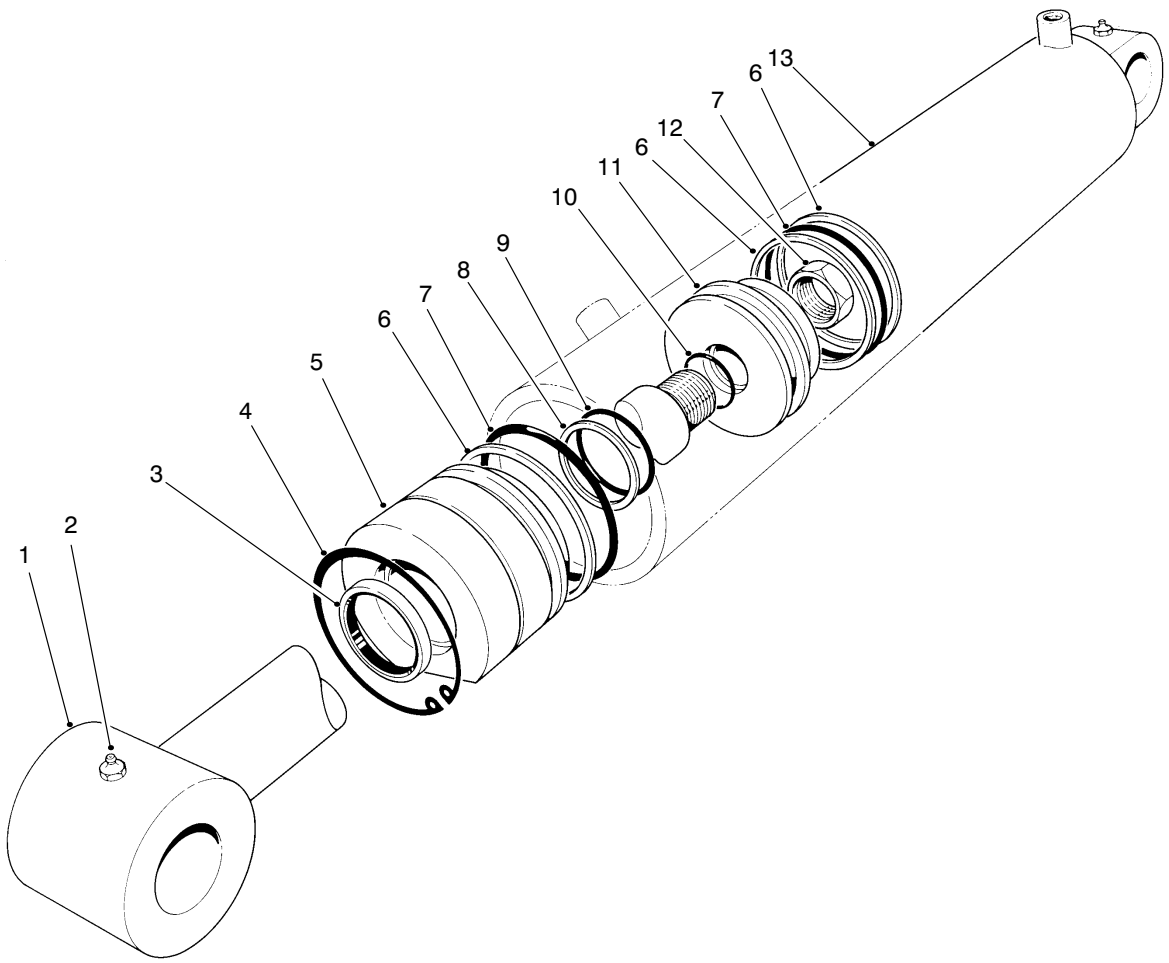
T−0426A

VALVE & CYLINDER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	353−512	Plug	1
2	21−8620	Lever Valve	1
3	233−21	Knob	1
4	32144−10	Screw−HFH	2
5	38−3400	Guard−Rubber	1
7	21−8640	Latch−Valve Lever	1
8	3272−6	Pin−Cotter	1
9	32121−73	Pin−Slotted Spring	1
10	3296−42	Nut−Lock	5
11	21−9010	Pivot Mount−Valve Lever	1
12	340−99	Fitting−90˚ Elbow	1
13	43−1710	Asm−Valve	1
14	321−23	Screw−HH	5
15	63−8990	Hose	1
16	2412−36	Clamp Hose	1
17	63−9260	Manifold−Valve	1
18	340−112	Elbow−90˚	1

Ref. No.	Part No.	Description	No. Used
19	92−7833	Hose−(Valve to Cylinder)	1
20	304−75	Fitting−90˚ Barb	1
21	62−4250	Cylinder−Hydraulic	1
*	66−1250	Cylinder−Hydraulic (Optional)	1
22	92−7834	Hose	1
23	304−73	Fitting−Straight Barb	1
24	340−110	Elbow−90˚	1
25	340−97	Fitting−90˚	1
26	283−17	Pin	1
27	21−8590	Link−Valve Lever	1
28	2412−108	Clamp−Hose	2
29	237−22	O−Ring	2
30	237−30	O−Ring	2
31	237−42	O−Ring	2
32	237−78	O−Ring	2

* Not Illustrated



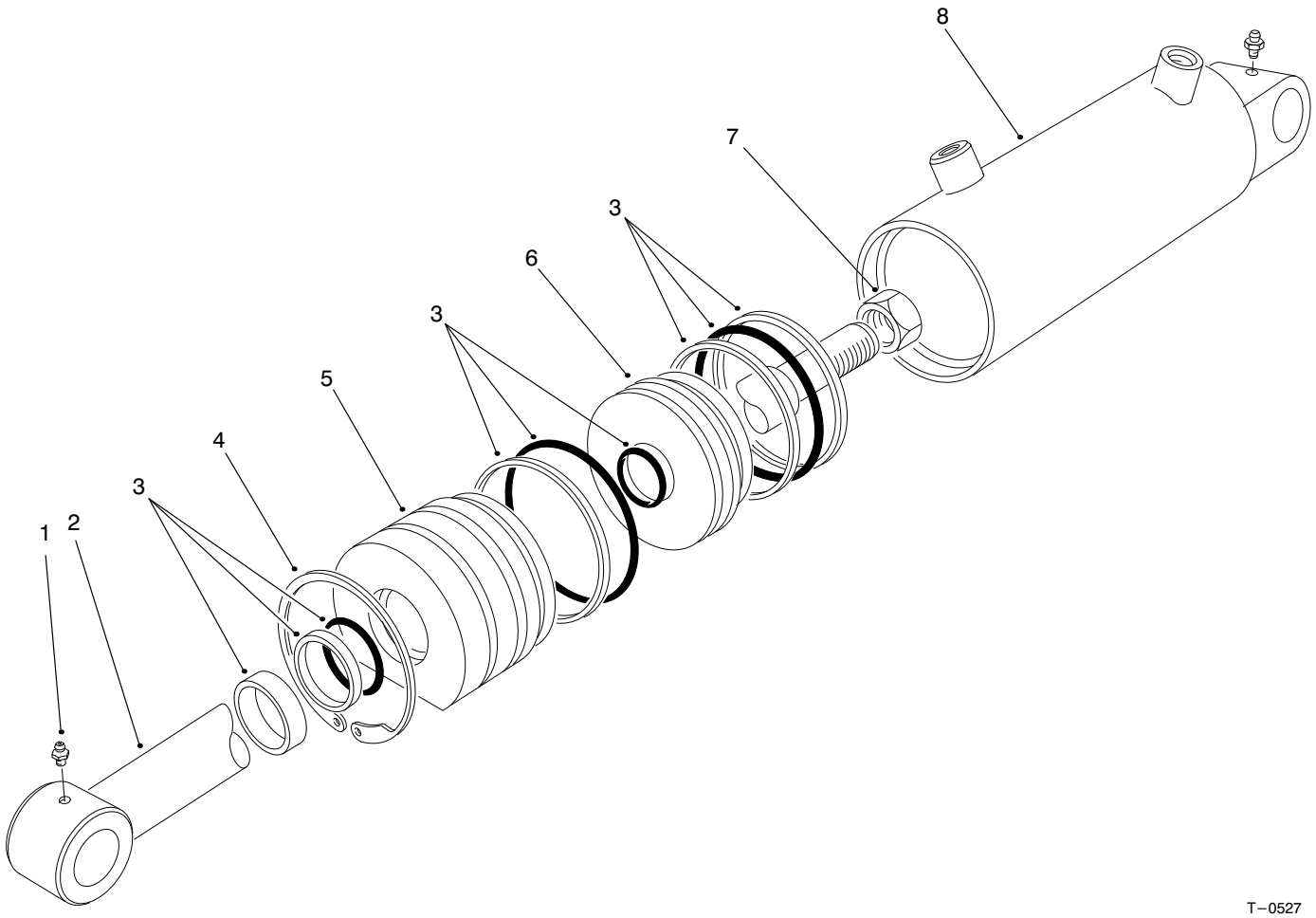
T−0859

HYDRAULIC LIFT CYLINDER ASSEMBLY NO. 62−4250 (2−1/2" Bore)

Ref. No.	Part No.	Description	No. Used
1	61−4980	Shaft−w/Clevis	1
2	302−55	Fitting−Grease	2
3		Seal−Dust	1
4	61−4990	Ring−Retaining	1
5	60−9780	Head	1
6		Ring−Backup	3
7		O−Ring	2
8		Ring−Backup	1

Ref. No.	Part No.	Description	No. Used
9		O−Ring	1
10		O−Ring	1
11	60−9770	Piston	1
12	60−9760	Nut	1
†13		Barrel	1
*	61−4960	Kit−Seal Repair (Incl. Ref. #3, 6−10)	1

* Not Illustrated
† Not Available Separately

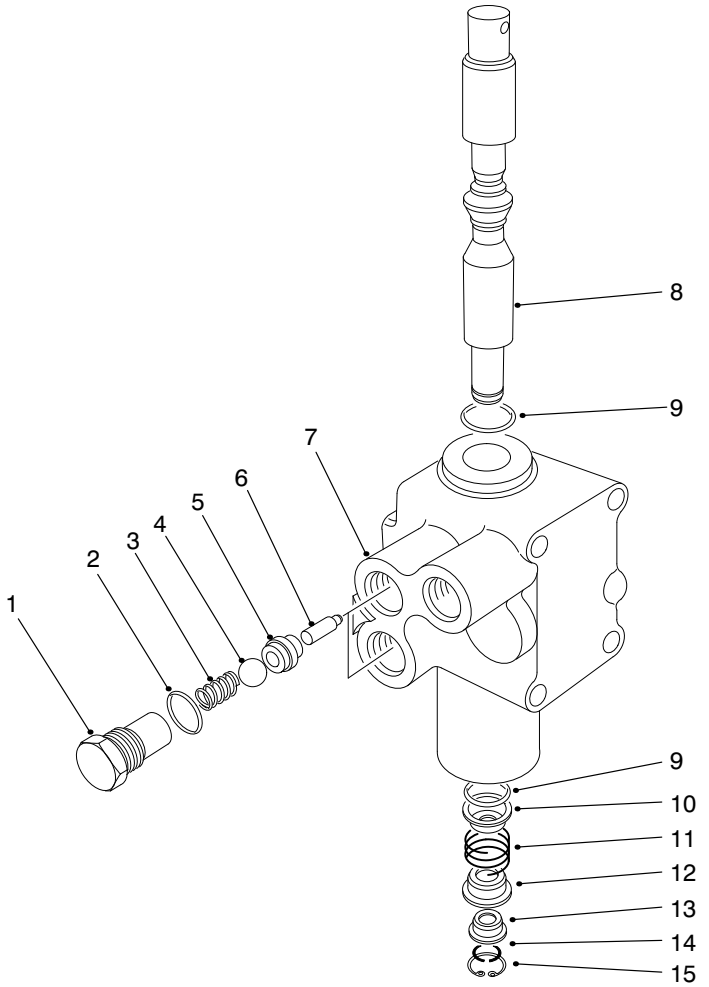


T–0527

HYDRAULIC LIFT CYLINDER ASSEMBLY NO. 66–1250 (3” Bore)

Ref. No.	Part No.	Description	No. Used
1	302–55	Fitting–Grease	2
2	67–5480	Shaft	1
3	67–5500	Kit–Repair	1
4	67–5470	Ring–Retaining	1
5	67–5460	Head	1
6	67–5450	Piston	1
7	60–9760	Nut–Hex	1
*8		Barrel	1

* Not Available Separately

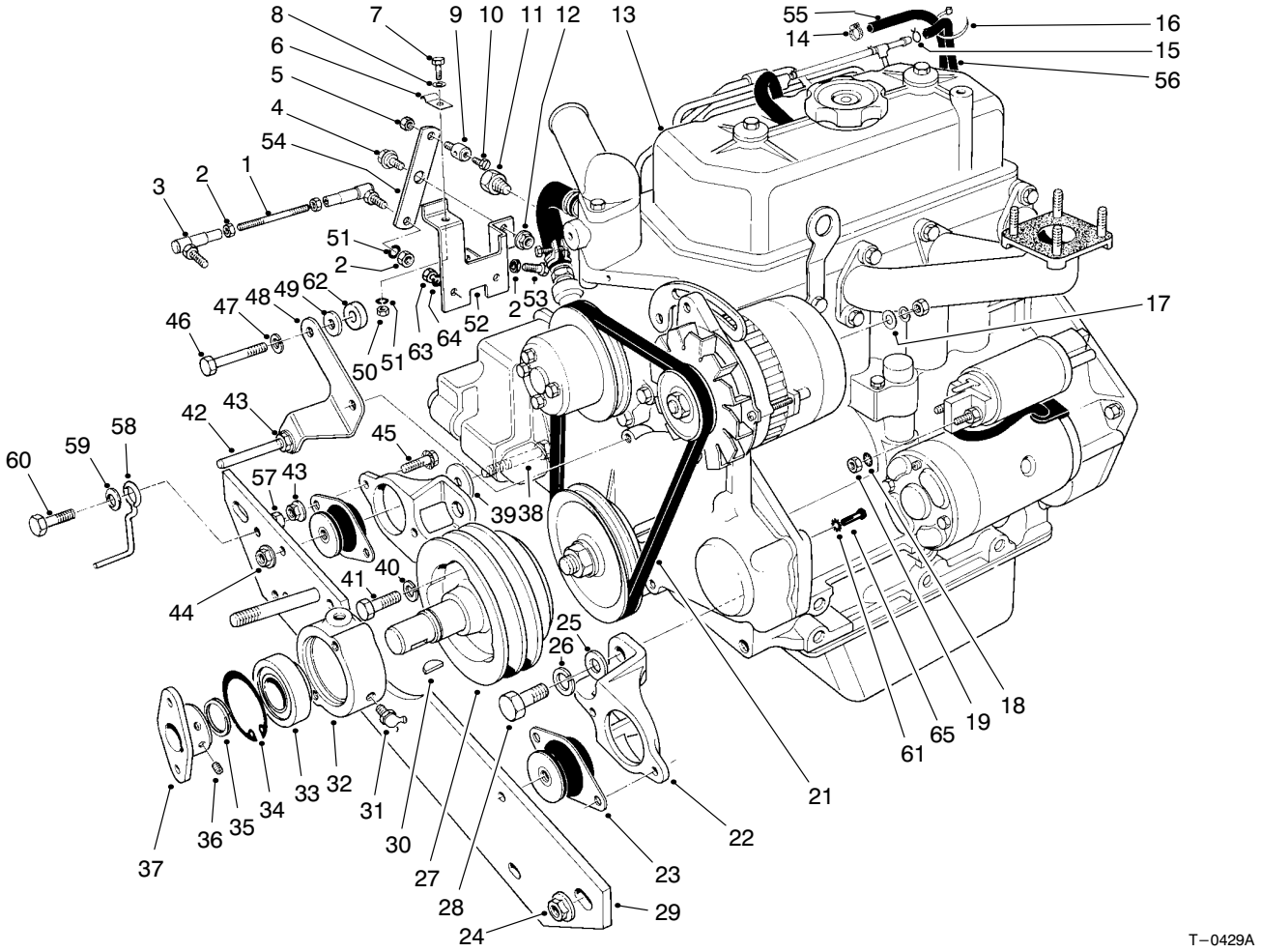


T−0428−2

CONTROL VALVE ASSEMBLY NO. 43−1710

Ref. No.	Part No.	Description	No. Used
1	22−8330	Plug	2
2	237−42	O−Ring	2
3	22−8340	Spring	2
4	22−8350	Ball	2
5	22−8370	Seat−Check Valve	2
6	22−8360	Pin−Cam	2
7		Body	1
8	22−8420	Spool	1

Ref. No.	Part No.	Description	No. Used
9	22−8500	O−Ring	2
10	22−8380	Spring Retainer	1
11	22−8410	Spring	1
12	22−8390	Spring Retainer	1
13	22−8400	Spacer Float	1
14	22−8480	Spring Ring Spool	1
15	22−8490	Snap Ring	1

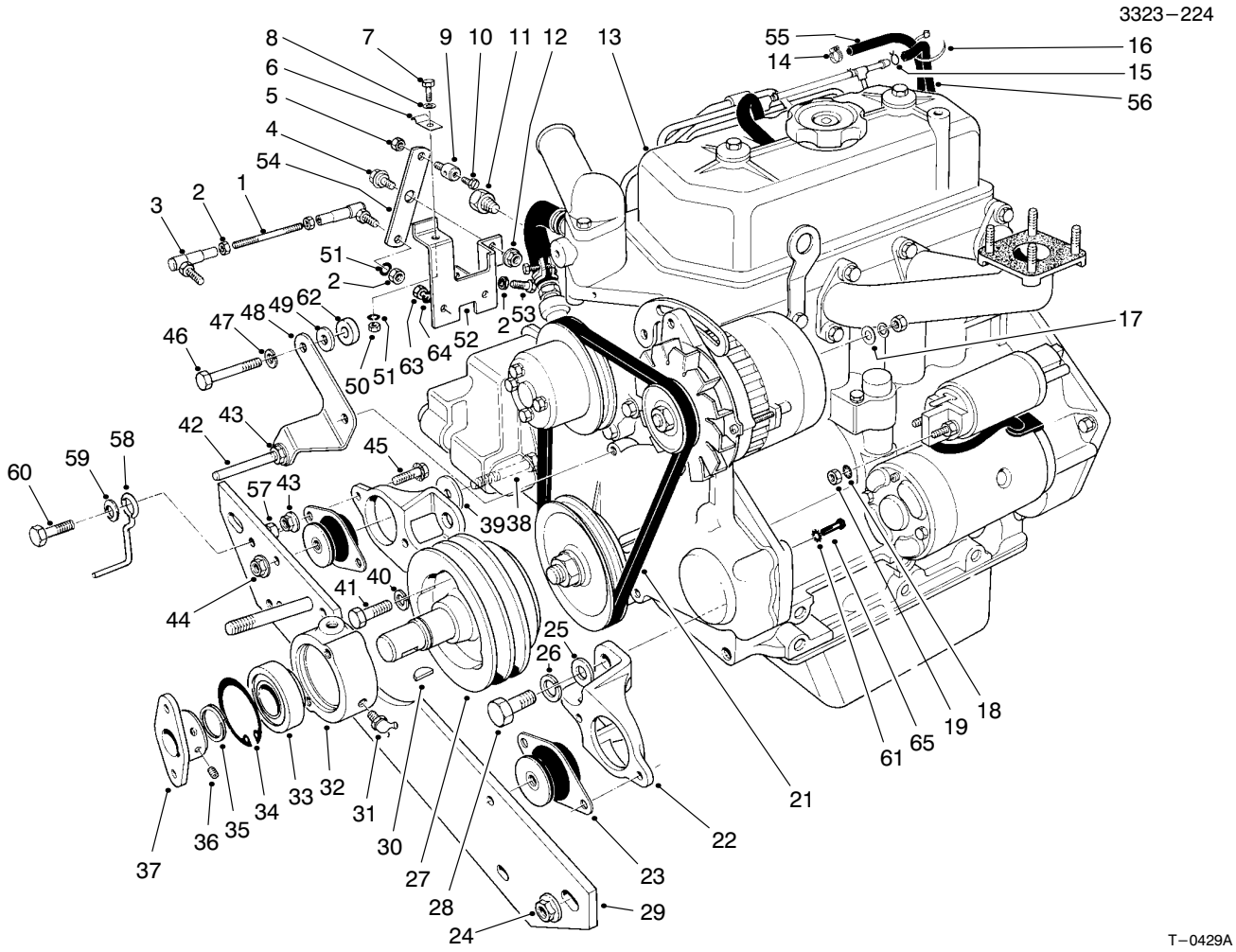


T−0429A

ENGINE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	43−3770	Link−Throttle	1
2	3219−1	Nut	5
3	18−1720	Asm−Ball Joint	2
4	37−8770	Bolt−Shoulder	1
5	3296−20	Nut−Lock	1
6	2412−31	Clamp−Bodine	1
7	321−4	Screw−HH	1
8	3256−22	Washer−Flat	1
9	43−3780	Swivel−Throttle Control	1
10	25−8640	Screw−Machine	1
11	43−1940	Adapter−Temp. Gauge	1
12	32152−1	Nut−HFH	1
13	94−9160	Engine	1
14	2412−108	Clamp−Worm Drive	1
15	2412−79	Clamp	1
16	3290−379	Cable Tie	1
17	5−3637	Washer	1
18	3254−2	Washer−Lock	2
19	33014−00	Nut−Hex.	1
21	42−9100	Belt−Fan	1
22	53−9710	Engine Mount	2
23	53−9680	Engine Mount−Rubber	2
24	32128−23	Nut−HFH	2
25	3256−64	Washer−Flat	4
26	43−5950	Washer−Lock	4

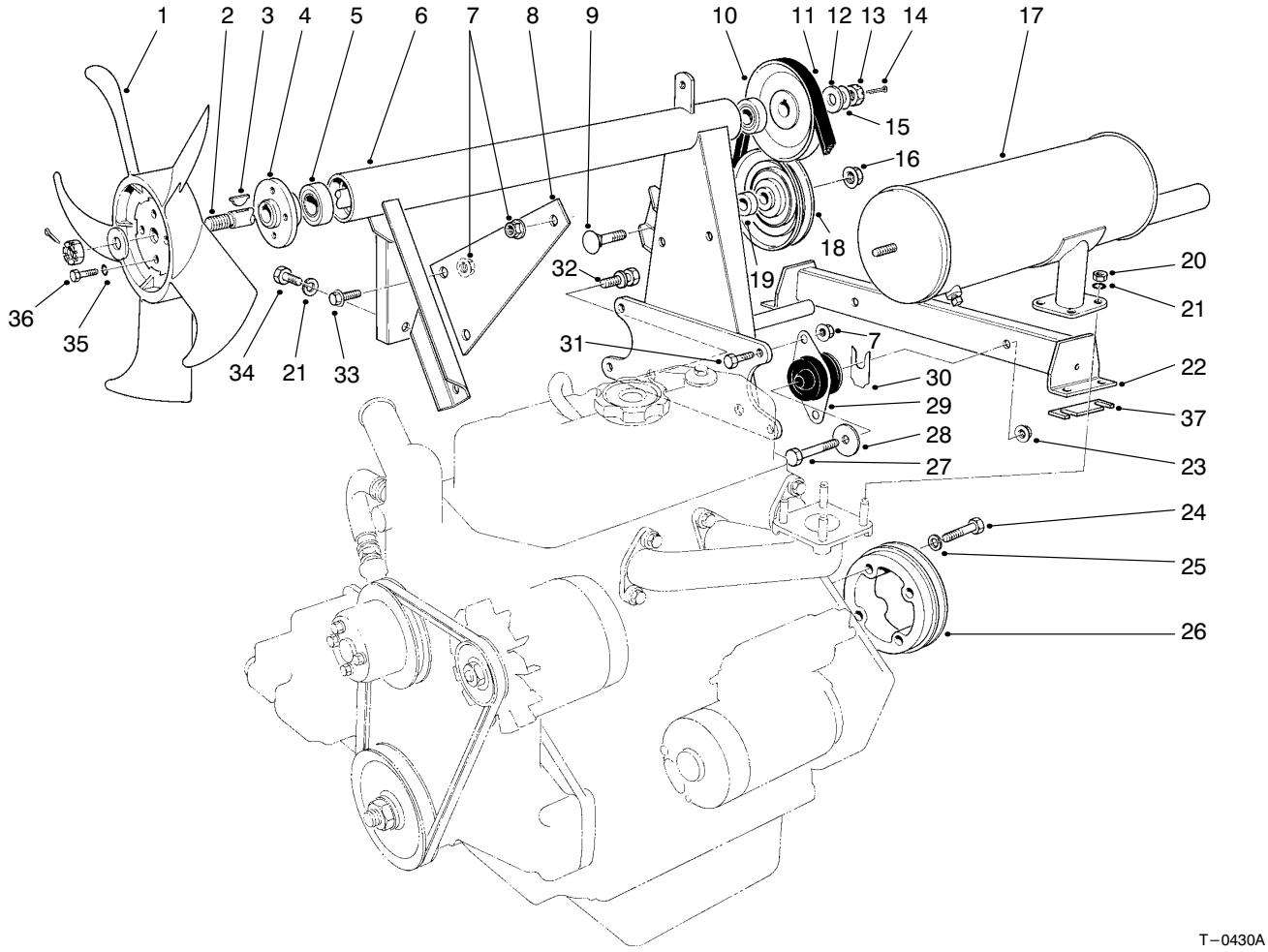
Ref. No.	Part No.	Description	No. Used
27	43−3510	Pulley−Engine	1
28	82−5050	Screw−HH	4
29	75−9900	Engine Support−Front	1
30	3257−33	Key−Woodruff	1
31	302−10	Fitting−Grease	1
32	43−3720	Collar−Bearing	1
33	251−252	Bearing−Ball	1
34	32120−22	Ring−Retaining Internal	1
35	32120−69	Ring−Retaining External	1
36	3241−5	Screw−Set Socket Head	2
37	27−1960	Hub−Engine	1
38	324−12	Screw−HH	2
39	53−9480	Washer	2
40	48−9590	Washer−Lock	3
41	43−3190	Screw−HH	3
42	21−1820	Stud−Belt Retainer	2
43	3290−357	Nut−HFH	7
44	32128−37	Nut−HFH	2
45	3234−11	Screw−HH	4
46	42−9510	Screw−HH	2
47	3253−4	Washer−Lock	2
48	43−3790	Bracket−Belt Guide	1
49	4−2390	Washer	2
50	3217−5	Nut	1
51	3253−3	Washer−Lock	3



ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
52	43−3730	Bracket Throttle Control	1
53	329−7	Screw−HH	1
54	43−3760	Lever−Throttle	1
55	47−7420	Hose	1
56	43−4230	Hose	1
57	32153−2	Nut−Lock	1
58	63−1400	Belt Guide	1

Ref. No.	Part No.	Description	No. Used
59	3290−224	Washer−Lock	1
60	3234−18	Screw−HH	1
61	3254−2	Washer−Lock	1
62	5−0652	Spacer	2
63	33113−020	Screw−HH	2
64	43−5930	Washer−Lock	2
65	66−3160	Screw	1

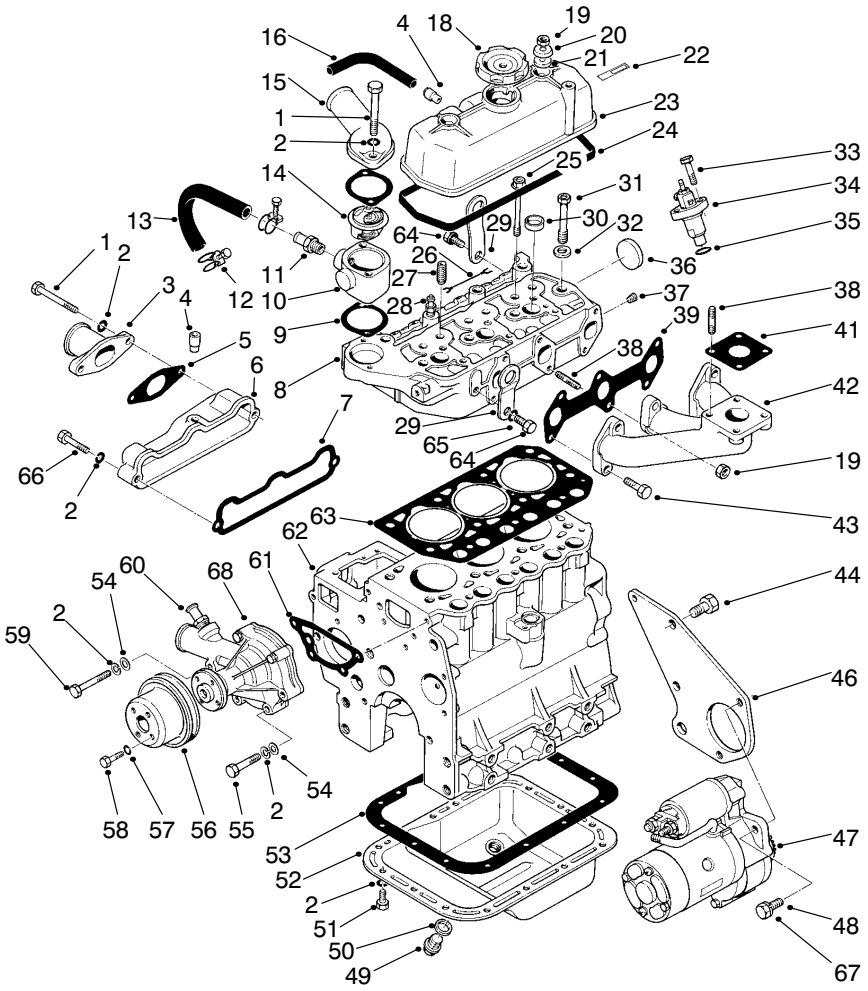


ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	43−1911	Fan−Cooling	1
2	43−3690	Fan−Shaft	1
3	3257−30	Key−Woodruff	2
4	43−3700	Hub−Fan	1
5	38−7820	Bearing	2
6	53−9750	Fan Mount	1
7	3290−357	Nut−HFH	8
8	43−3870	Support−Muffler	1
9	3233−14	Bolt−Carriage	1
10	43−3880	Pulley	1
11	43−5910	V−Belt	1
12	29−8910	Washer	2
13	32136−3	Nut−Hex. Slotted	2
14	3272−16	Pin−Cotter	2
15	3−6803	Washer	A/R
16	32128−23	Nut−HFH	1
17	43−3850	Muffler	1
18	66−5310	Idler Pulley	1
19	66−5320	Spacer	1
20	33014−00	Nut−Hex.	4

Ref. No.	Part No.	Description	No. Used
21	3253−4	Washer−Lock	5
22	77−3140	Engine Mount	1
23	32128−37	Nut−HFH	2
24	43−3200	Screw−HH	4
25	48−9590	Washer−Lock	4
26	43−3530	Pulley Flywheel	1
27	324−11	Screw−HH	2
28	53−9480	Washer	2
29	53−9680	Engine Mount−Rubber	2
30	42−6080	Shim	A/R
31	3234−11	Screw−HH	4
32	66−7030	Screw−Cap w/Washer	2
33	3234−12	Screw−HFH	2
34	42−9230	Screw−HH	1
35	3253−3	Washer−Lock	4
36	321−3	Screw−HH	4
37	68−9110	Shim	A/R
*	68−9111	Shim	A/R
*	68−9112	Shim	A/R

* Not Illustrated

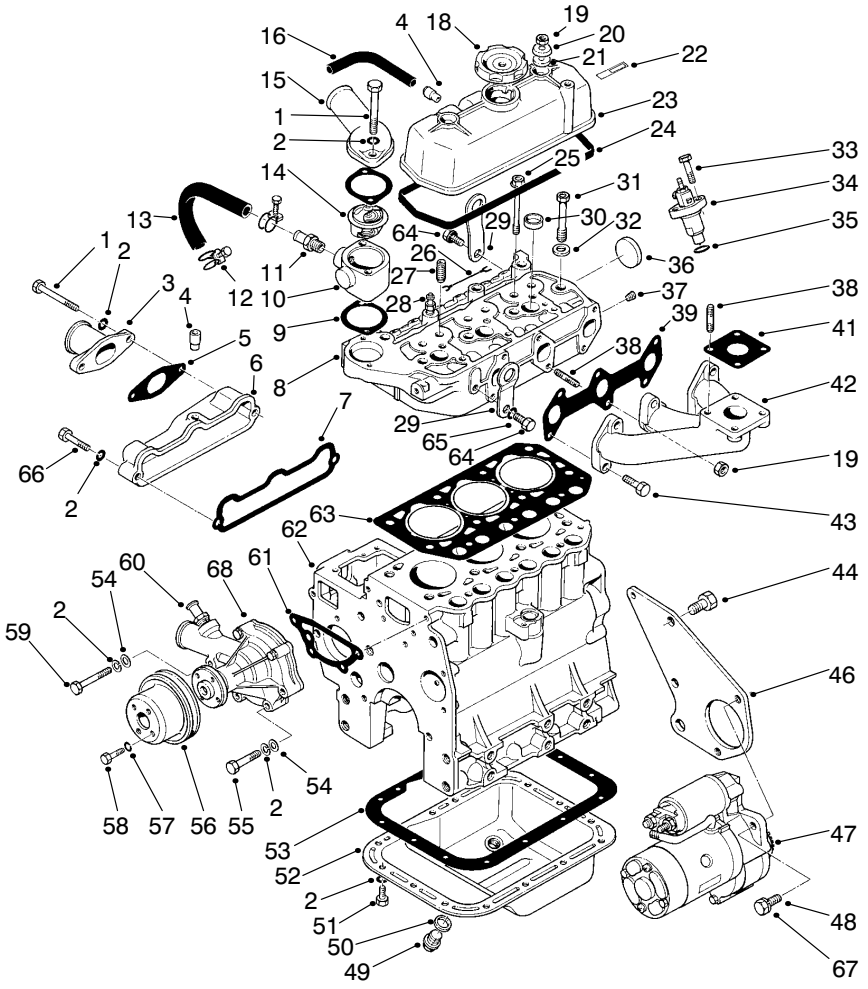


T−0431A

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	42−9310	Screw−HH	4
2	42−9850	Washer−Lock	24
3	42−9150	Pipe Inlet	1
4	42−7510	Pipe	2
5	42−9160	Gasket−Inlet Pipe	1
6	42−9120	Asm−Intake Manifold	1
7	42−9140	Gasket−Intake Manifold	1
8	93−1369	Asm−Head, Cylinder	1
9	42−7550	Gasket	2
10	43−1790	Fitting−Thermostat	1
11	42−7740	Nipple−Hose	1
12	43−3140	Clamp−Hose	2
13	43−3130	Hose−Water (Incl. Ref. #12)	1
14	93−3524	Thermostat	1
15	42−7540	Fitting−Water Outlet	1
16	93−3685	Pipe−Air Breather	1
18	42−7420	Cap−Oil Filter	1
19	33014−00	Nut−Hex.	3
20	42−9800	Washer	2
21	42−7490	Seal−Oil	2
22	42−7530	Label−Engine No.	1
23	42−7500	Asm−Cover, Rocker	1
24	42−7520	Gasket−Rocker Cover	1
25	93−3180	Bolt−Cylinder Head	3
26	42−9180	Wire−Glow Plug Lead	2

Ref. No.	Part No.	Description	No. Used
27	42−7460	Guide−Valve	6
28	42−7480	Glow Plug	3
29	42−7440	Hanger−Engine	2
30	42−7080	Cap−Sealing	3
31	42−9320	Bolt−Cylinder Head	8
32	42−9790	Washer−Head Bolt	8
33	42−9390	Bolt	6
34	44−8070	Asm−Nozzle & Holder	3
35	42−8120	Gasket−Nozzle Holder	3
36	42−7090	Cap−Sealing	1
37	67−2570	Plug−Taper 1/8	1
38	42−9570	Stud	5
39	42−9170	Gasket−Exhaust Manifold	1
41	42−9110	Gasket	1
42	43−1870	Manifold−Exhaust	1
43	42−9520	Screw−HH	5
44	42−9240	Screw−HH	3
46	43−1770	Plate−Rear	1
47	46−7610	Asm−Starter	1
48	43−0090	Screw−HH	2
49	42−9260	Plug−Oil Drain	1
50	42−7290	Gasket−Oil Drain Plug	1
51	33114−016	Screw−Cap	15
52	42−7280	Asm−Oil Pan (Incl. Ref. #49 & 50)	1
53	42−7300	Gasket−Oil Pan	1

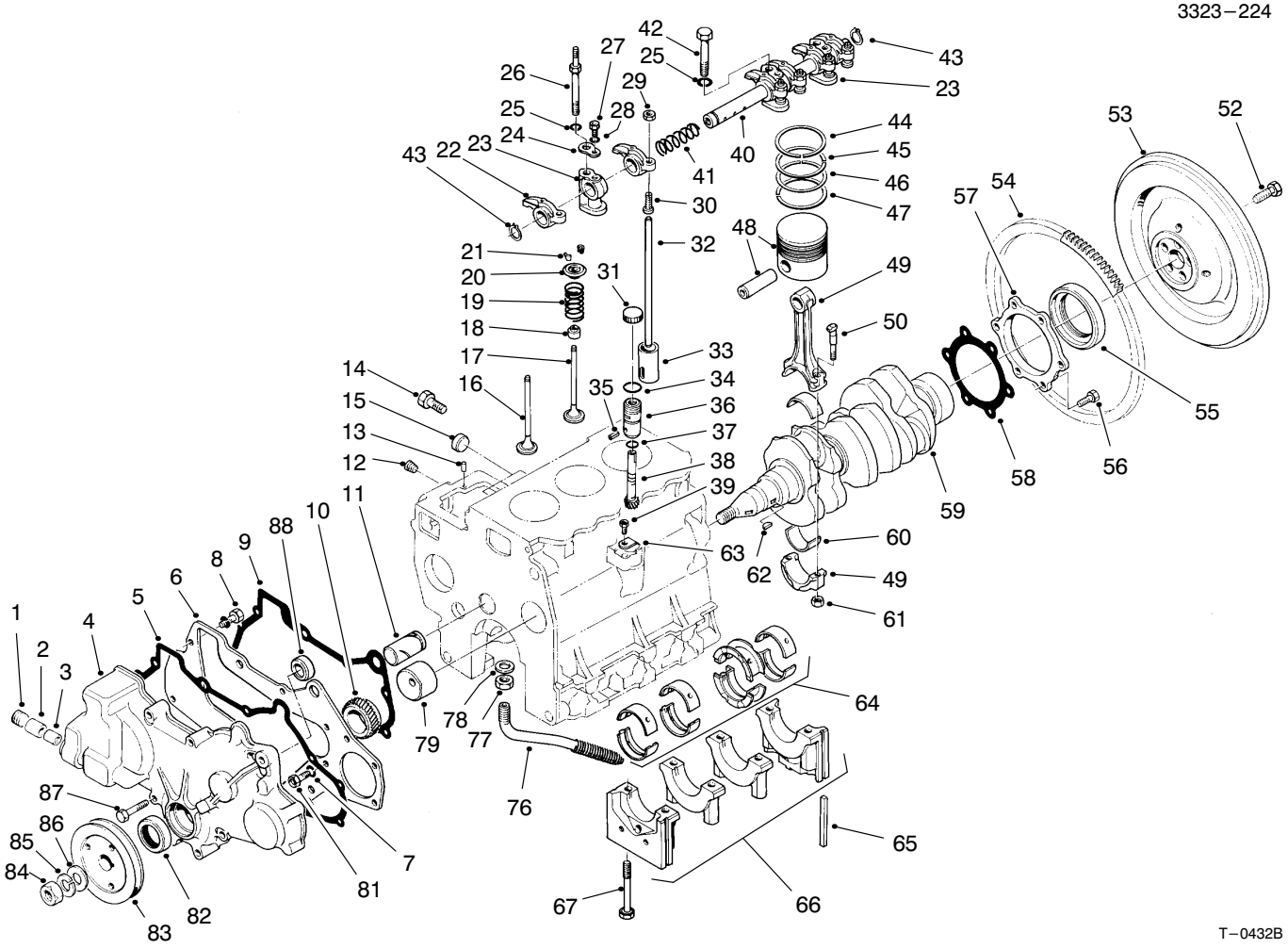


ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
54	42−9660	Washer−Plain	4
55	42−9500	Screw−HH	3
56	42−9070	Pulley−Water Pump	1
57	43−5930	Washer−Lock	4
58	42−9490	Screw−HH	4
59	33114−060	Screw−HH	1
60	42−9080	Asm−Water Pump	1
61	42−9090	Gasket−Water Pump	1

Ref. No.	Part No.	Description	No. Used
62	48−2020	Sub Asm−Cylinder Block	1
63	42−7470	Gasket−Cylinder Head	1
64	42−9300	Screw−HH	2
65	48−9590	Washer−Lock	2
66	42−9530	Screw−HH	1
67	48−9590	Washer−Lock	2
68	93−3656	Gasket−Pump, Water	1
*	42−9200	Complete Gasket Set	1

* Not Illustrated

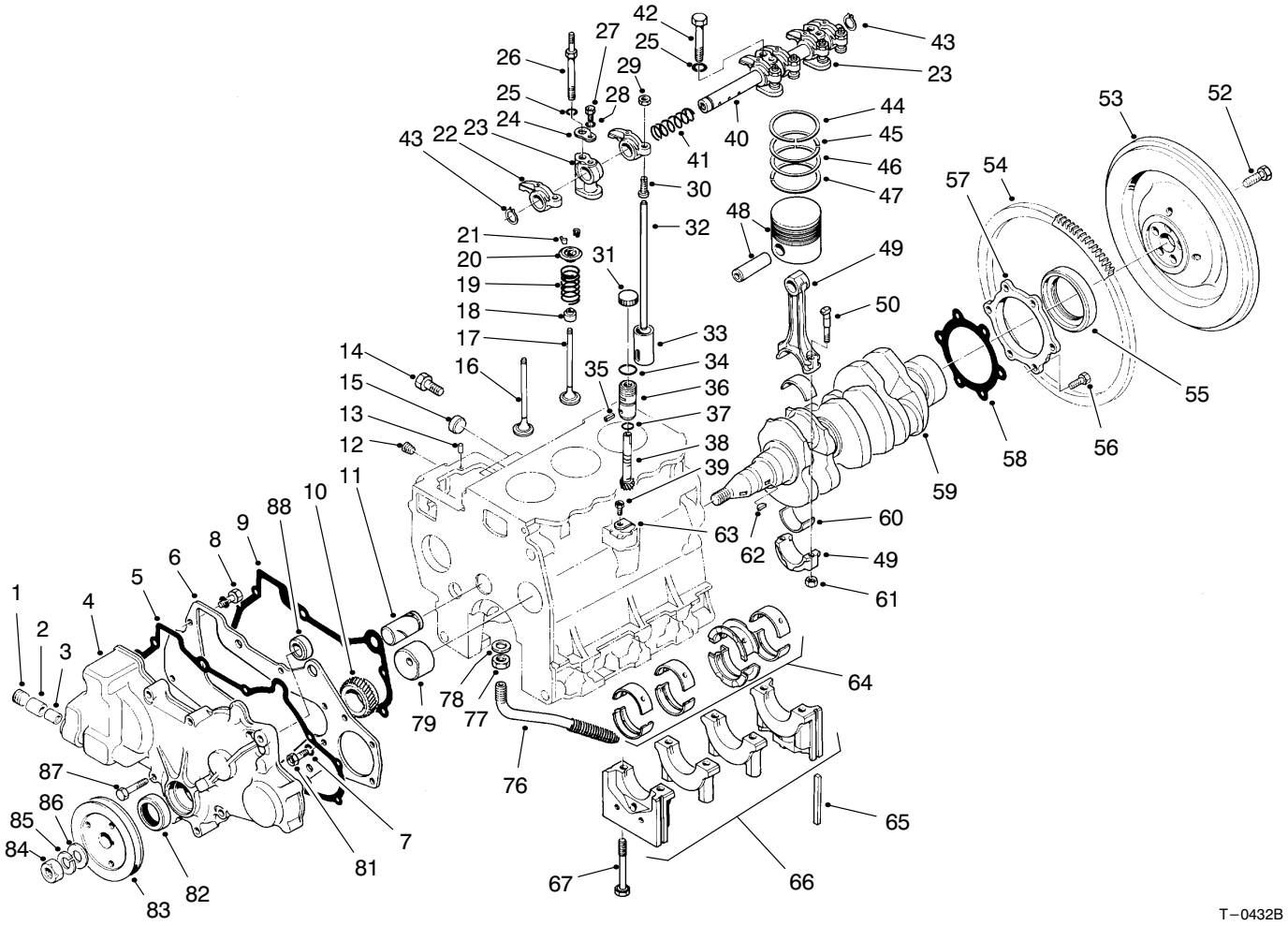


ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
1	42−7400	Plug−Taper	1
2	42−7320	Bearing−Needle	1
3	42−7310	Bearing−Needle	1
4	93−3689	Case−Gear	1
5	42−7340	Gasket−Gear Case	1
6	62−3740	Plate−Front	1
7	42−9850	Washer−Lock	5
8	67−2340	Screw−Cap w/Washer	2
9	42−7150	Gasket−Front Plate	1
10	42−7700	Gear−Crankshaft	1
11	42−7110	Shaft−Idler	1
12	67−2390	Plug−Taper	2
13	56−0220	Pin−Dowel	2
14	42−9250	Screw−HH	4
15	42−7080	Cap−Sealing	2
16	93−1351	Valve−Intake	3
17	93−1352	Valve−Exhaust	3
18	92−1961	Seal−Valve Stem	6
19	42−7880	Spring−Valve	6
20	42−7850	Retainer−Valve Spring	6
21	42−7860	Lock−Spring Retainer	12
22	42−7940	Arm−Rocker	6
23	42−7970	Stay−Rocker	3
24	42−7950	Washer−Seat	2
25	48−9590	Washer−Spring	3

Ref. No.	Part No.	Description	No. Used
26	42−9360	Bolt	2
27	42−9350	Screw−HH	2
28	43−5930	Washer−Lock	2
29	42−9620	Nut−Jam	6
30	42−7980	Screw−Adjusting	6
31	93−3688	Cap−Shipping	1
32	42−7920	Rod−Push	6
33	42−7890	Tappet	6
34	42−9010	O−Ring	1
35	42−8970	Pin−Spring	1
36	42−8980	Sleeve−Gear	1
37	42−8990	O−Ring	1
†38		Gear−Driven	1
39	42−9440	Screw−HH	1
40	42−7960	Asm−Shaft, Rocker	1
41	42−7930	Spring−Rocker Shaft LH	1
42	42−9370	Screw−HH	1
43	42−7990	Ring−Snap	2
44	72−4200	Ring−Set−Piston Std.	3
45	72−4210	Ring Set−Piston 0.25 (.010 in.) 0.5.	3
46	72−4220	Ring Set−Piston 0.50 (.020 in.) 0.5.	3
47	72−4230	Ring Set−Piston 075 (.030 in.) 0.5.	3

† Not Serviced Separately

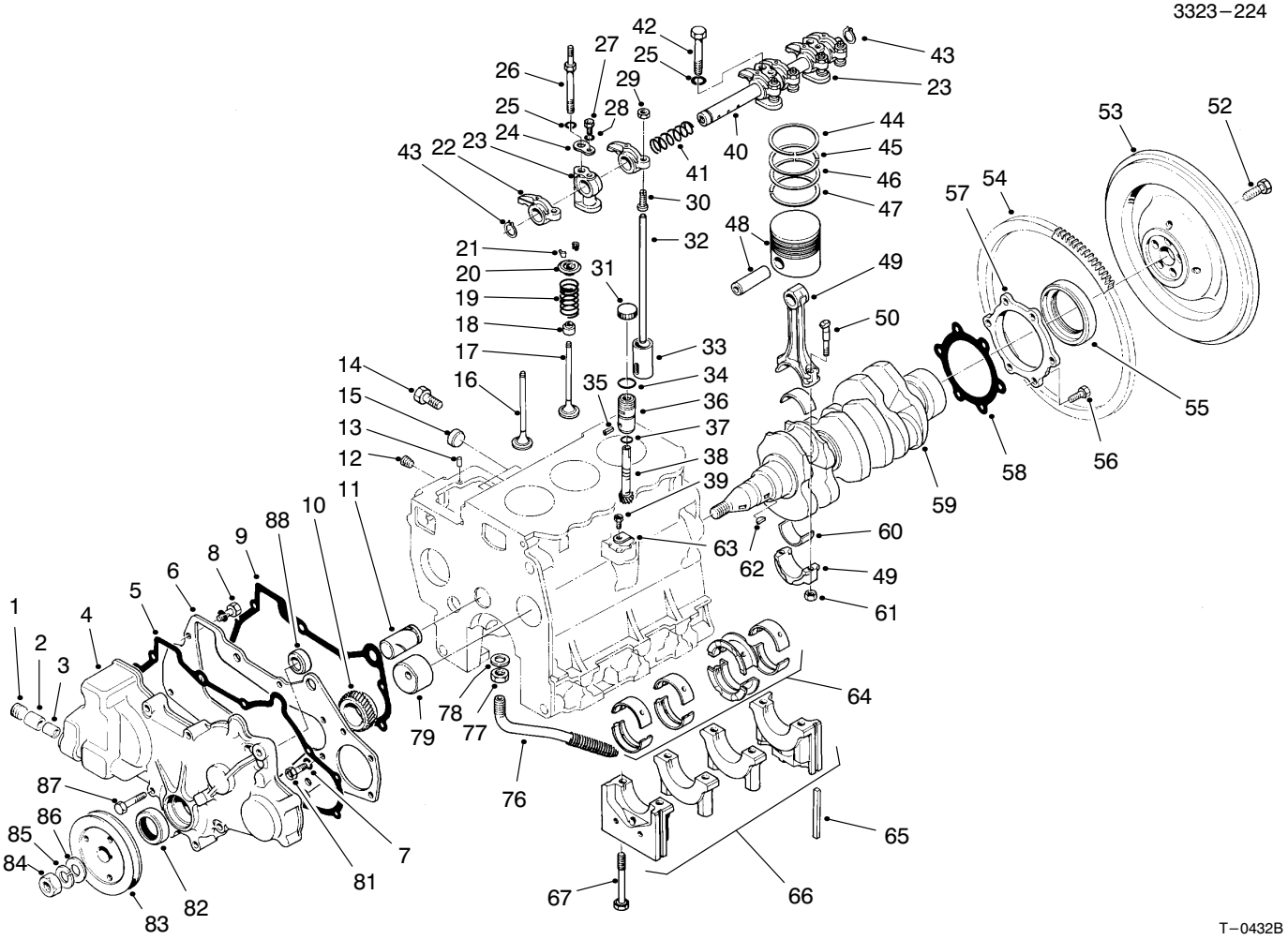


ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
48	72−4240	Piston & Piston Pin Std.	3
*	72−4250	Piston & Piston Pin 0.25 (.010 in.) 0.5.	3
*	72−4260	Piston & Piston Pin 0.50 (.020 in.) 0.5.	3
*	72−4270	Piston & Piston Pin 0.75 (.030 in.) 0.5.	3
49	42−7650	Asm−Connecting Rod	3
50	67−2860	Bolt−Connecting Rod	6
52	54−8670	Bolt−Flywheel	5
53	43−1800	Flywheel (Incl. Ref. #54)	1
54	43−1810	Gear−Ring	1
55	42−7060	Seal−Oil	1
56	42−9220	Screw−HH	6
57	42−7120	Case−Oil Seal	1
58	42−7130	Gasket−Oil Seal	1
59	42−7710	Crankshaft	1
60	42−7660	Bearing Set Connecting Rod Std.	3
*	42−7670	Bearing Set Connecting Rod 0.25 (.010 in.) U.S.	3
*	42−7680	Bearing Set Connecting Rod 0.50 (.020 in.) U.S.	3

Ref. No.	Part No.	Description	No. Used
*60	42−7690	Bearing Set Connecting Rod 0.75 (.030 in.) U.S.	3
61	42−9590	Nut−Connecting Rod	6
62	42−7730	Key−Woodruff	2
63	42−9020	Plate−Locking	1
64	93−3387	Bearing Set Crankshaft Std.	1
*	42−7240	Bearing Set−Crankshaft 0.25 (.010 in.) U.S.	1
*	93−3388	Bearing Set−Crankshaft 0.50 (.020 in.) U.S.	1
*	42−7260	Bearing Set−Crankshaft 0.75 (.030 in.) U.S.	1
65	42−7040	Seal−Side	4
†66		Asm−Bearing Cap	1
67	42−9210	Bolt−Bearing Cap	8
76	48−2010	Asm−Screen, Oil	1
77	48−1990	Nut−Jam	1
78	48−1980	Gasket	1
79	42−7100	Bushing−Camshaft	1
81	42−9230	Screw−HH	3
82	42−7390	Seal−Oil	1
83	42−7720	Pulley−Crankshaft	1
84	43−6470	Nut	1
85	42−9860	Washer−Spring	1

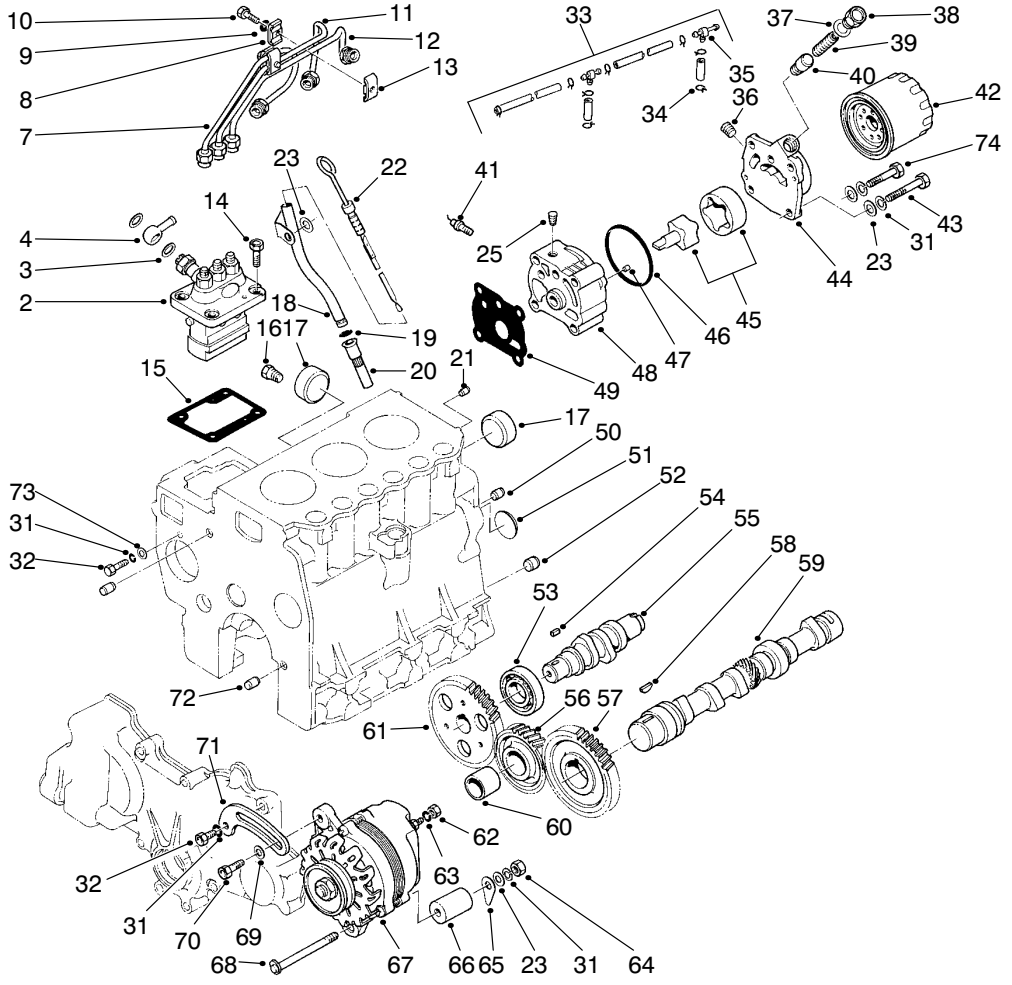
* Not Illustrated
† Not Serviceable



ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
86	42−9810	Washer−Flat	1
87	42−9500	Screw−HH	8
88	82−2590	Plug−Thrust	1
*	42−8960	Driven Unit−Speedometer (Incl. Ref. #34−38)	1

* Not Illustrated
† Not Available



T−0433−3

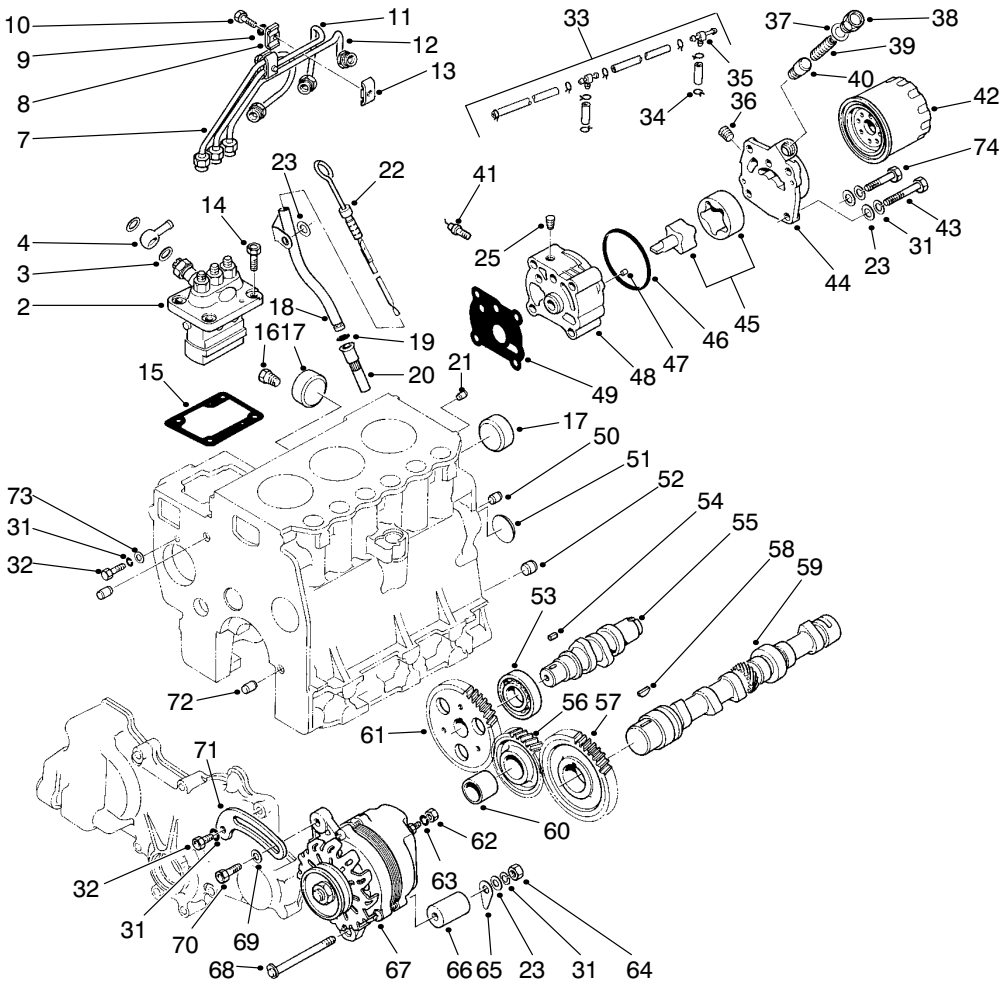
ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
†2		Asm−Pump, Fuel Injection	1
3	42−9830	Washer−Seal	2
4	42−8100	Collar−Union	1
7	42−8130	Asm−Pipe, Fuel Injection (No. 1)	1
8	56−0750	Clamp	2
9	43−5930	Washer−Lock	1
10	46−2600	Capscrew	2
11	42−8140	Asm−Pipe, Fuel Injection (No. 2)	1
12	42−8150	Asm−Pipe, Fuel Injection (No.3)	1
13	56−0760	Clamp	2
†14	63−3160	Screw−HH	3
15	42−8010	Shim−0.2 (.008 in.)	A/R
*	42−8020	Shim−0.3 (.012 in.)	A/R
*	42−8030	Shim−0.4 (.016 in.)	A/R
*	42−8040	Shim−0.5 (.020 in.)	A/R
*	42−8050	Shim−0.6 (.024 in.)	A/R
*	42−8060	Shim−0.7 (.028 in.)	A/R
*	42−8070	Shim−0.8 (.032 in.)	A/R
*	42−8080	Shim−0.9 (.036 in.)	A/R
*	42−8090	Shim−1.0 (.039 in.)	A/R
16	281−1	Plug−Taper	1
17	42−7090	Cap−Sealing	2

Ref. No.	Part No.	Description	No. Used
18	42−7050	Guide−Oil Level Gauge	1
19	43−2710	O−Ring	1
20	72−6950	Retainer−Oil Level Guide	1
21	42−7160	Pin−Dowel	1
22	42−7270	Asm−Gauge, Oil Level	1
23	42−9660	Washer−Flat	6
25	67−2570	Plug−Taper	1
31	42−9850	Washer−Lock	7
32	42−9230	Screw−HH	2
33	42−8180	Asm−Fuel Return Pipe	1
34	2412−79	Clamp−Hose	8
35	42−8190	Joint	2
36	67−2390	Plug−Taper	1
37	42−7290	Gasket	1
38	67−2520	Plug	1
39	42−8930	Spring−Relief	1
40	67−2500	Plunger−Relief	1
41	56−1310	Asm−Oil Pressure Switch	1
42	67−4330	Asm−Filter, Oil	1
43	42−9480	Screw−HH	3
44	42−8920	Cover−Oil Pump	1
45	42−8910	Asm−Rotor, Oil Pump	1
46	42−8940	O−Ring	1
47	93−3657	Pin−Dowel	2
48	42−8900	Body−Oil Pump	1

* Not Illustrated

† Items must be servied by a Mitsubishi Authorized Toro Dealer/Distributor.



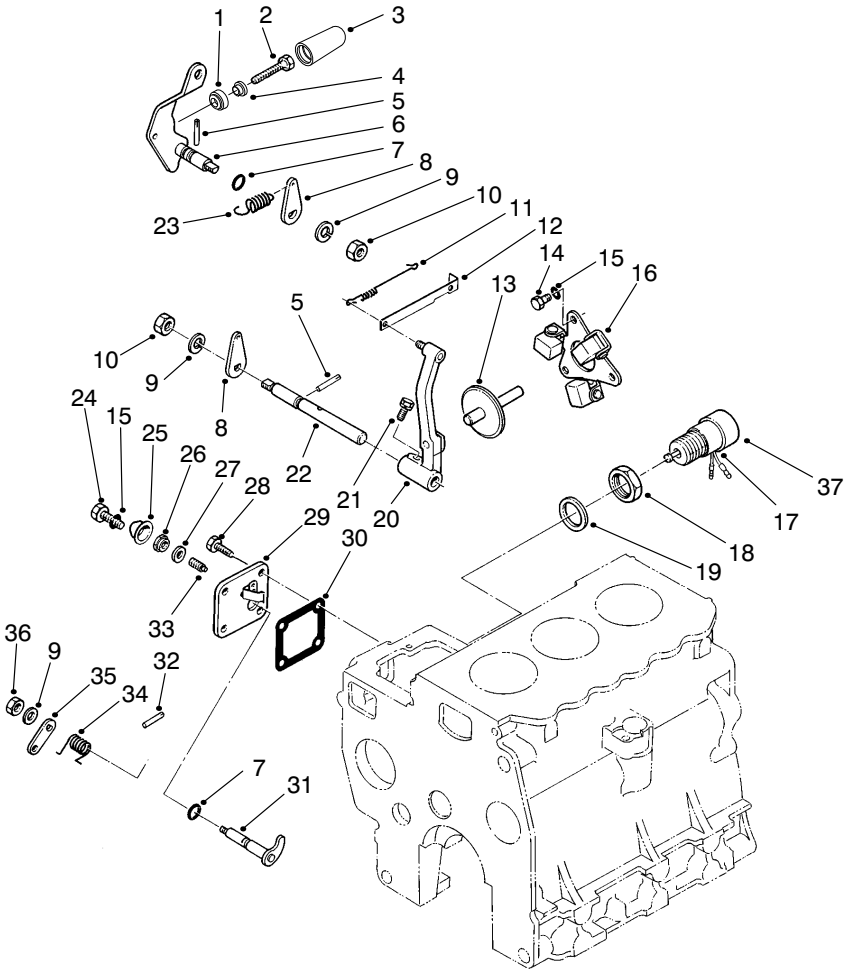
T−0433−3

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
49	42−8950	Gasket−Oil Pump Body	1
50	42−7180	Bushing−Knock	2
51	42−7170	Plug−Expansion	1
52	42−7200	Bushing−Knock	1
53	93−3409	Bearing−Ball	1
54	42−7840	Key−Sunk	1
55	42−7810	Shaft−Injection Pump Cam	1
56	42−7790	Asm−Idler Gear (Incl. Ref. #60)	1
57	42−7780	Gear−Camshaft	1
58	42−7730	Key−Woodruff	1
59	72−4280	Camshaft	1
60		Bushing−Idler Gear	1
61	42−7830	Gear−Injection Pump Cam	1
62	43−5970	Nut	1
63	43−5920	Washer−Lock	1

Ref. No.	Part No.	Description	No. Used
64	33014−00	Nut−Hex.	1
65	43−0370	Shim	AIR
66	43−0380	Spacer	1
67	43−0390	Alternator (Model AH2035M4)	1
68	43−1900	Screw−HH	1
69	54−8660	Washer	1
70	67−4660	Screw−HFH	1
71	43−0400	Brace−Alternator	1
72	42−7190	Bushing−Knock	2
73	42−9820	Washer	1
74	56−2120	Screw−Hex. Hd.	1
*	42−8850	Asm−Oil Pump (Incl. Ref. #36−40 & 44−48)	1
*	95−3092	Kit−400 Hour Filter (Incl. Ref. #42)	1

* Not Illustrated



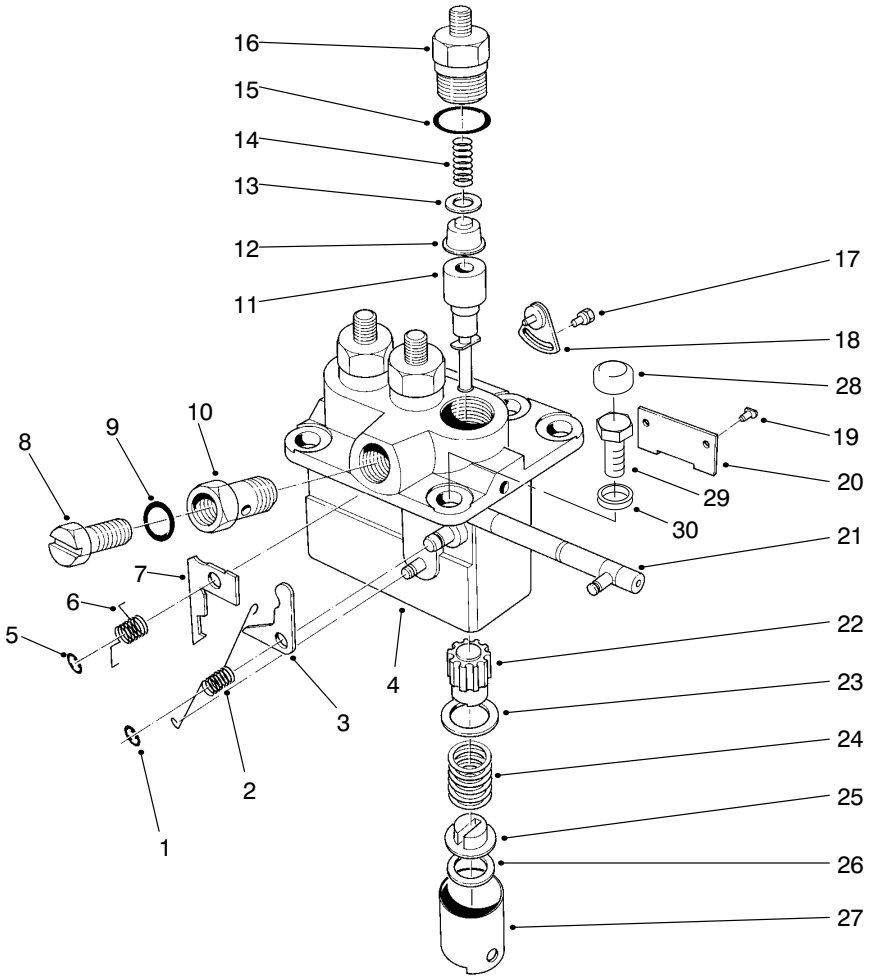
T−2434

ENGINE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
†1		C−Ring, High Speed Set	1
†2		Bolt−High Speed Set	1
†3		Cover−High Speed Set	1
†4		Nut−High Speed Set	1
5	42−8810	Pin−Grooved	2
6	42−8780	Asm−Speed Control Lever	1
7	42−8830	O−Ring	2
8	42−8770	Lever−Governor Spring	2
9	42−9850	Washer−Lock	2
10	42−9580	Nut−Jam	2
11	42−8740	Spring−Tie Rod	1
12	42−8750	Tie Rod	1
13	42−8720	Asm−Sliding Shaft	1
14	42−9430	Screw−HH	3
15	43−5930	Washer−Lock	4
16	67−4040	Asm−Weight/Governor	1
17	43−2730	Solenoid−Tubular	1
18	43−2750	Nut	1
19	43−2740	Gasket	1

Ref. No.	Part No.	Description	No. Used
20	42−8730	Asm−Governor Lever	1
21	42−9450	Asm−Bolt/Washer	1
22	42−8760	Governor Shaft	1
23	42−8820	Governor Spring	1
24	43−2800	Screw−HH	1
25	43−2820	Sealing Cap	1
26	43−5960	Nut−Special	1
27	43−3120	Washer−Seal	1
28	67−2560	Screw−HH	3
29	42−8790	Asm−Cover (Incl. Ref. #25, 27 & 33)	1
30	42−8800	Gasket Cover	1
31	44−8090	Asm−Lever, Stop	1
32	42−8810	Pin−Grooved	1
33	43−3160	Screw−Adjusting	1
34	44−8100	Spring Return	1
35	43−2770	Lever−Stop	1
36	42−9640	Nut−Jam	1
37	62−6940	Cap	1

† Items must be serviced by a Mitsubishi Authorized Toro Dealer/Distributor.



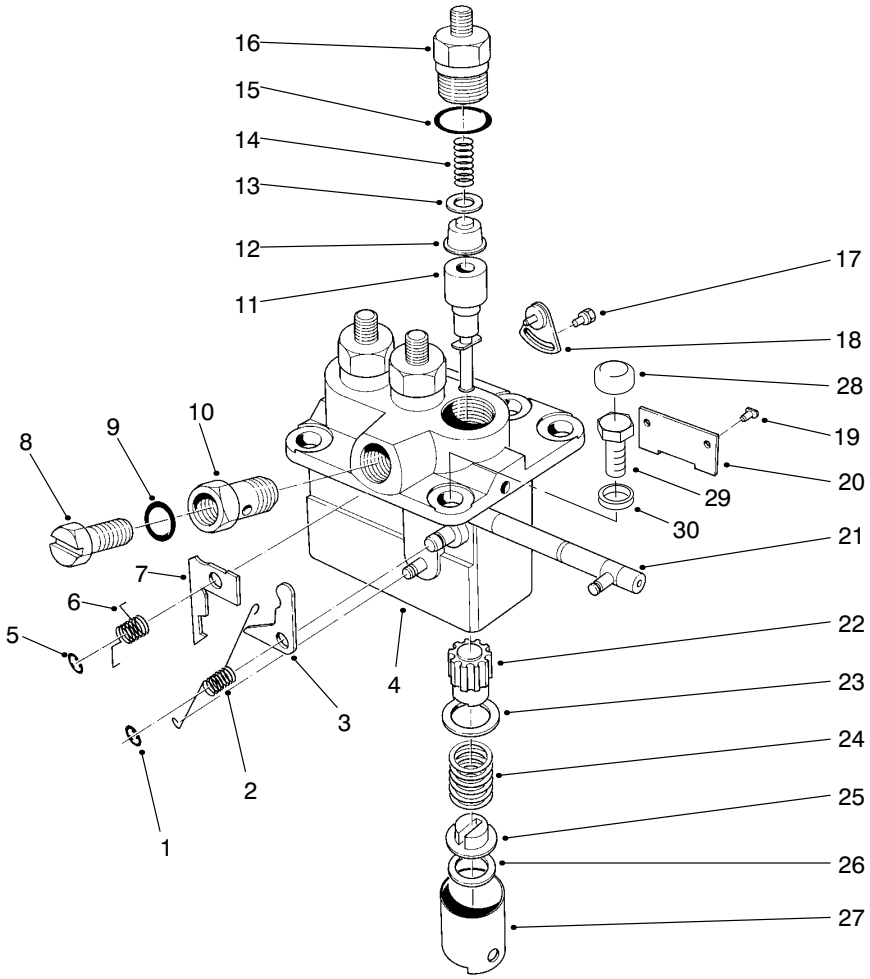
T−2435

FUEL INJECTION PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	70−4240	E−Ring	1
2	43−3110	Spring−Ungleich Set	1
3	95−1566	Plate−Ungleich Set 17.0 (.669 in.) Mark 6	A/R
*	95−1567	Plate−Ungleich Set 16.9 (.665 in.) Mark 7	A/R
*	95−1568	Plate−Ungleich Set 16.8 (.661 in.) Mark 8	A/R
*	95−1569	Plate−Ungleich Set 16.7 (.657 in.) Mark 9	A/R
*	95−1570	Plate−Ungleich Set 16.6 (.654 in.) Mark 10	A/R
*	95−1571	Plate−Ungleich Set 16.85 (.663 in.) Mark 11	A/R
*	95−1572	Plate−Ungleich Set 16.75 (.659 in.) Mark 12	A/R
4		Sub Asm−Pump Housing	1
5	54−8780	E−Ring	1
6	42−8460	Spring Return	1
7	54−8700	Plate−Smoke Set 2.3 (.091 in.) Mark 60	A/R
*	43−3010	Plate−Smoke Set 2.4 (.095 in.) Mark 61	A/R
*	56−0950	Plate−Smoke Set 2.5 (.098 in.) Mark 62	A/R

Ref. No.	Part No.	Description	No. Used
7	43−3020	Plate−Smoke Set 2.6 (.102 in.) Mark 63	A/R
*	95−1573	Plate−Smoke Set 1.2 (.047 in.) Mark 49	A/R
*	95−1574	Plate−Smoke Set 1.3 (.051 in.) Mark 50	A/R
*	95−1576	Plate−Smoke Set 1.4 (.055 in.) Mark 51	A/R
*	56−0900	Plate−Smoke Set 1.5 (.059 in.) Mark 52	A/R
*	56−0990	Plate−Smoke Set 1.6 (.063 in.) Mark 53	A/R
*	56−0910	Plate−Smoke Set 1.7 (.067 in.) Mark 54	A/R
*	56−1000	Plate−Smoke Set 1.8 (.071 in.) Mark 55	A/R
*	56−0920	Plate−Smoke Set 1.9 (.075 in.) Mark 56	A/R
*	56−0930	Plate−Smoke Set 2.0 (.079 in.) Mark 57	A/R
*	43−3000	Plate−Smoke Set 2.1 (.083 in.) Mark 58	A/R
*	54−8770	Plate−Smoke Set 2.2 (.087 in.) Mark 59	A/R
8	42−8370	Screw−Air Breather	1

* Not Illustrated



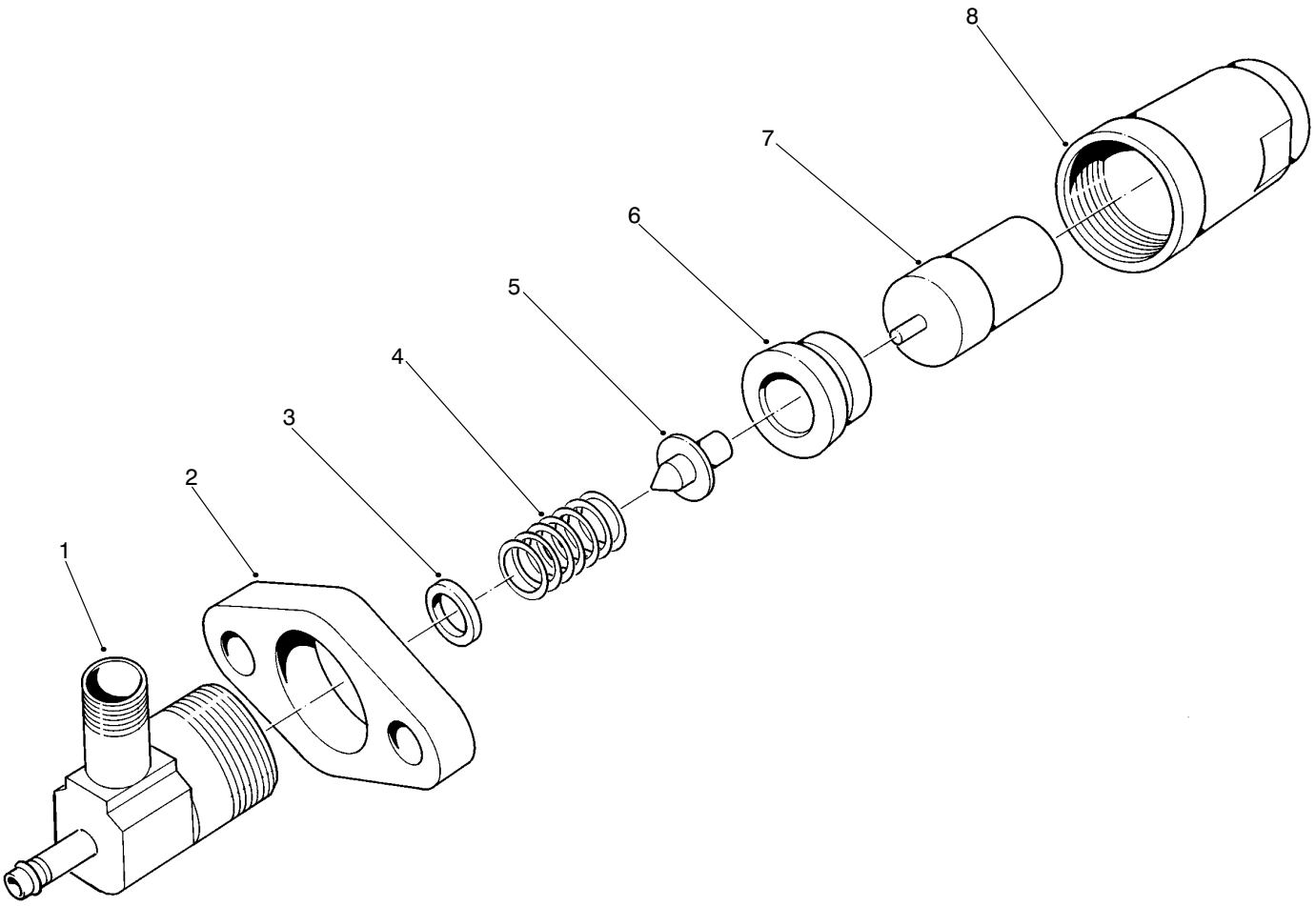
T−2435

FUEL INJECTION PUMP ASSEMBLY (Cont.)

Ref. No.	Part No.	Description	No. Used
9	42−9770	Washer	1
10	42−8380	Screw−Hollow	1
11	42−8260	Sub Asm−Element	3
12	42−8250	Sub Asm−Delivery Valve	3
13	42−8240	Gasket−Delivery Valve	3
14	42−8230	Spring−Delivery Valve	3
15	42−8330	O−Ring	3
16	42−8220	Holder−Delivery Valve	3
17	43−3150	Asm−Bolt/Washer	2
18	42−8360	Asm−Plate, Adjusting	2
19	42−8340	Pin−Tappet Guide	3
20	42−8350	Plate	1
21	42−8310	Asm−Rack, Control	1
22	42−8270	Sleeve−Plunger Control	3
23	42−8280	Seat−Spring, Upper	3
24	42−8290	Spring−Pump Plunger	3
25	42−8320	Seat−Spring, Lower	3
26	70−3970	Shim−Plate 0.6 (.0241 in.)	A/R
*	70−4070	Shim−Plate 0.2 (.008 in.)	A/R
26	70−4080	Shim−Plate 0.3 (.0121 in.)	A/R
*	70−4090	Shim−Plate 0.4 (.016 in.)	A/R
*	70−4100	Shim−Plate 0.5 (.020 in.)	A/R
*	42−8440	Shim−Plate 0.25 (.010 in.)	A/R
*	42−8450	Shim−Plate 0.35 (.014 in.)	A/R
*	43−6240	Shim−Plate 0.45 (.018 in.)	A/R
*	54−8680	Shim−Plate 0.55 (.022 in.)	A/R
*	54−8690	Shim−Plate 0.65 (.026 in.)	A/R
27	42−8300	Asm−Tappet Sub	3
†28		Cover	1
†29		Screw−HH	1
†30		C−Ring	1

* Not Illustrated

† Items must be servied by a Mitsubishi Authorized Toro Dealer/Distributor.

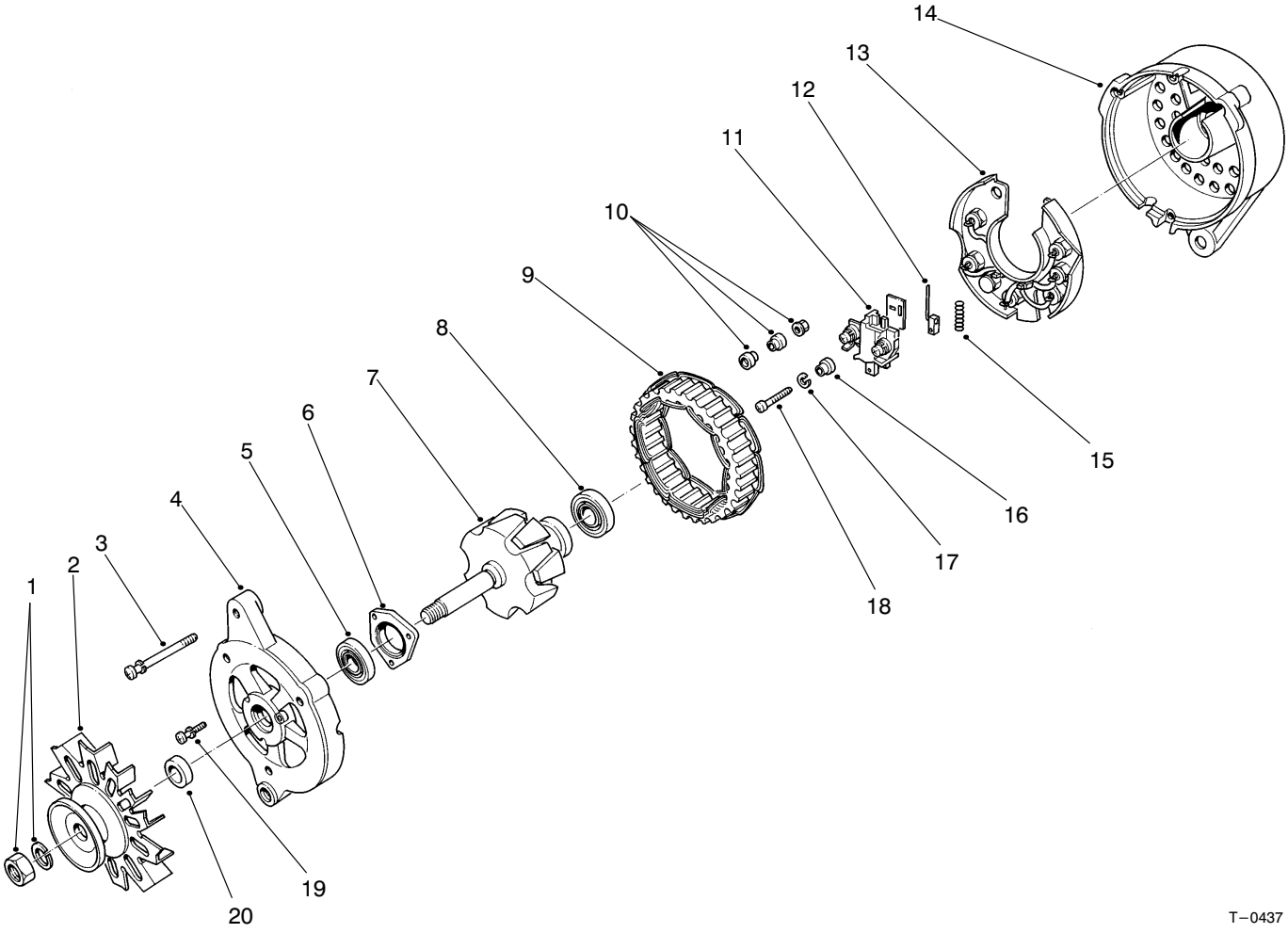


T−0436A

NOZZLE & HOLDER ASSEMBLY NO. 44−8070

Ref. No.	Part No.	Description	No. Used
1	44−8080	Body	3
2	42−8670	Flange	3
3	42−9680	Washer 1.3 (.051 in.)	A/R
*	42−9690	Washer 1.35 (.053 in.)	A/R
*	42−9700	Washer 1.4 (.055 in.)	A/R
*	42−9710	Washer 0.9 (.035 in.)	A/R
*	42−9720	Washer 1.0 (.039 in.)	A/R
*3	42−9730	Washer 1.1 (.043 in.)	A/R
*	42−9740	Washer 1.2 (.047 in.)	A/R
*	42−9750	Washer 0.1 (.004 in.)	A/R
4	51−7500	Spring−Pressure	3
5	93−3181	Pin−Pressure	3
6	51−7520	Piece−Distance	3
7	42−8680	Asm−Nozzle	3
8	42−8650	Nut−Retaining	3

* Not Illustrated

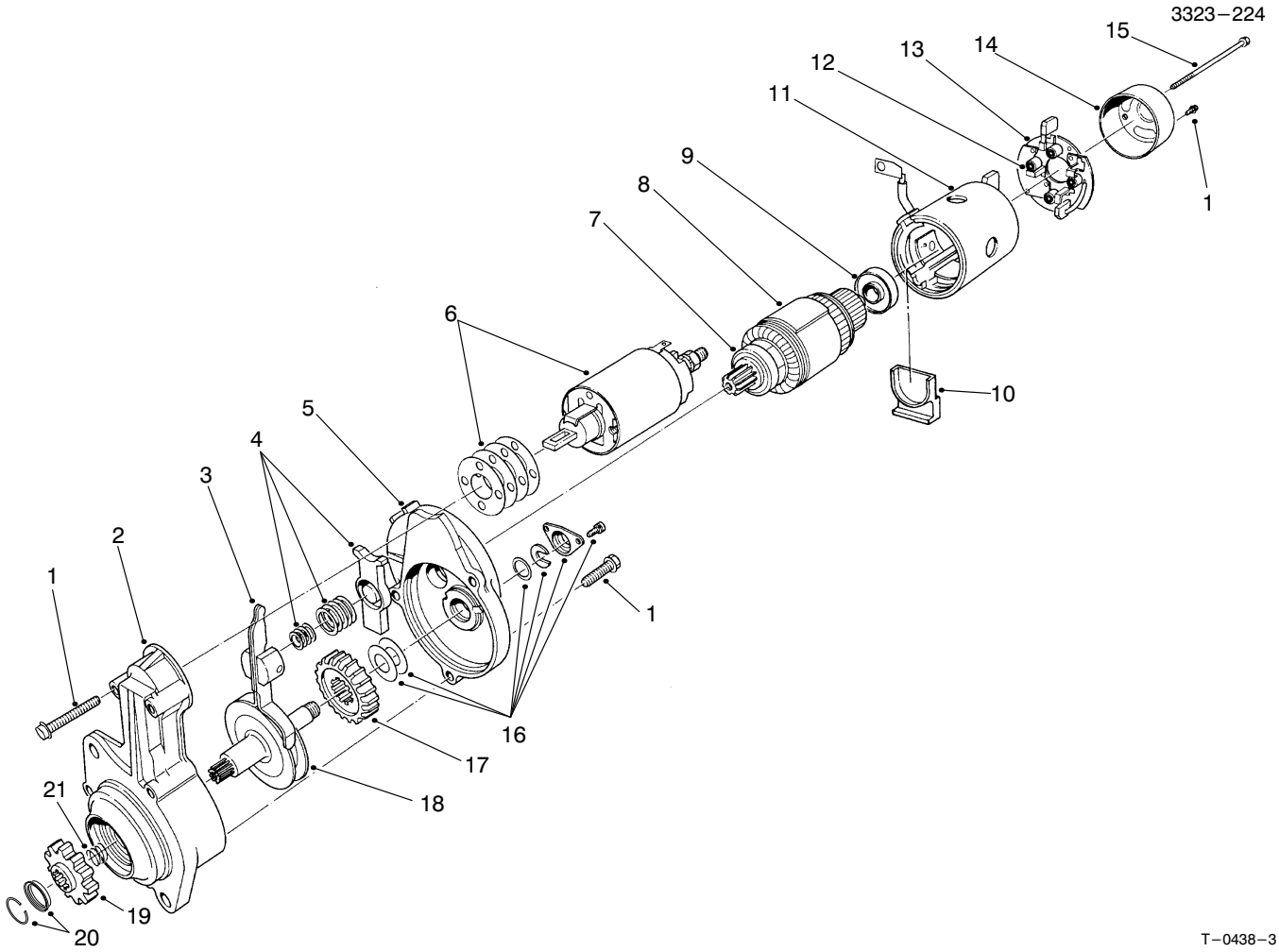


T−0437

ALTERNATOR ASSEMBLY NO. 43−0390

Ref. No.	Part No.	Description	No. Used
1	51−7850	Nut Set	1
2	43−0420	Asm−Pulley (Incl. Ref. #20)	1
3	43−0120	Screw−Set	1
4	43−0430	Asm−Bracket, Front (Incl. Ref. #5−6 & 19)	1
5	70−3320	Bearing−Front	1
6		Plate−Bearing Retainer	1
7	51−7910	Asm−Rotor (Incl. Ref. #8)	1
8	51−7920	Bearing−Rear	1
9	43−0470	Stator	1
10	43−0080	Nut−Set	1

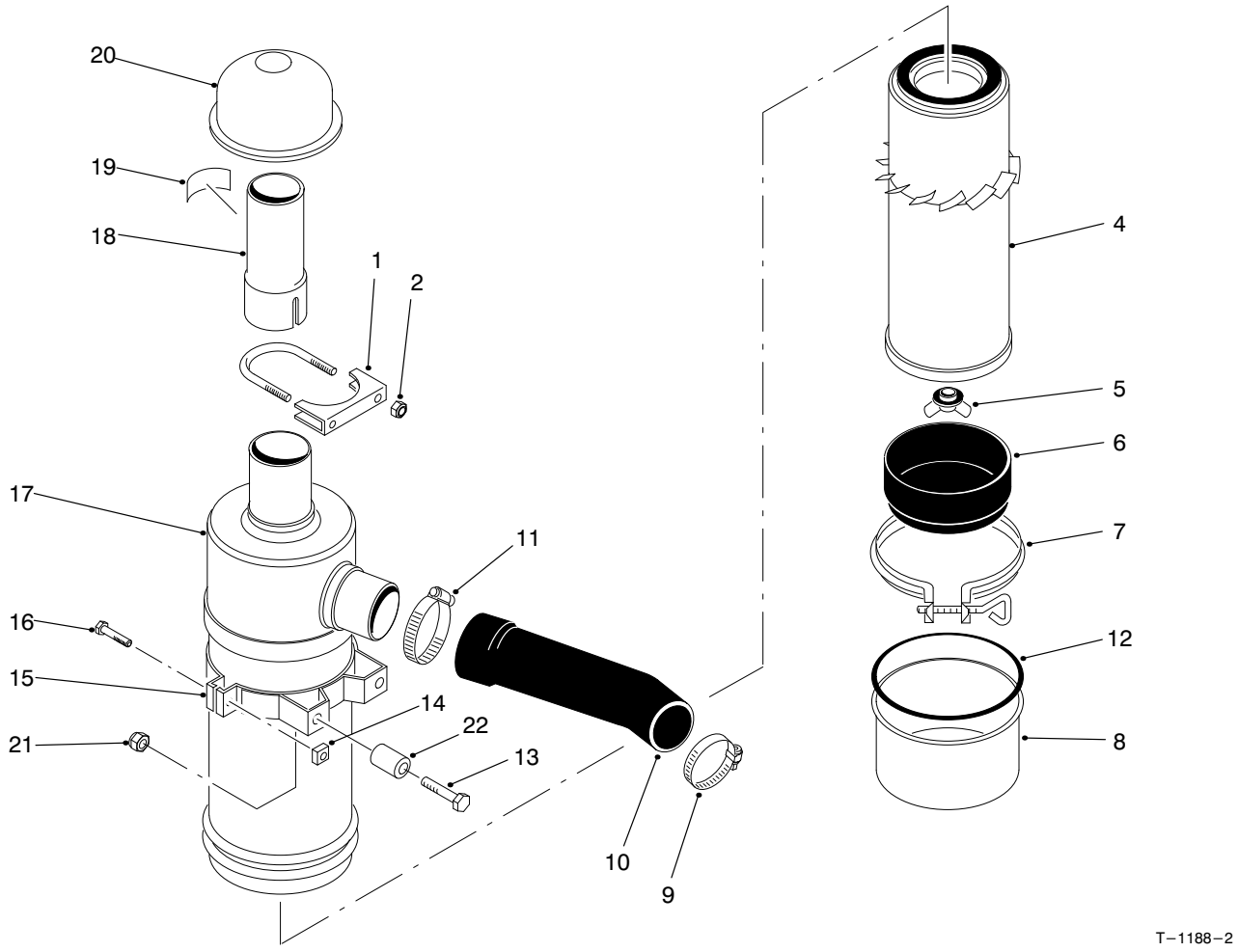
Ref. No.	Part No.	Description	No. Used
11	43−0490	Asm−Holder, Brush (Incl. Ref. #12 & 15)	1
12	43−0500	Brush	2
13	43−0520	Asm−Rectifier	1
14	43−0480	Asm−Rear Bracket (Incl. Ref. #10−13 & 15−18)	1
15	70−2810	Spring−Brush	1
16	43−2720	Mold	1
17	43−5920	Washer−Lock	1
18	93−3654	Screw	1
19	51−7890	Screw−Set	1
20		Collar−Shaft	1



STARTER ASSEMBLY NO. 46–7610

Ref. No.	Part No.	Description	No. Used
1	93–3655	Screw–Set	1
2	46–7630	Asm–Bracket, Front	1
3	46–7640	Asm–Lever	1
4	43–0190	Spring Set	1
5	46–7650	Asm–Bracket, Center	1
6	46–7660	Asm–Switch	1
7	46–7680	Bearing–Front	1
8	46–7670	Armature Set (Incl. Ref. #7 & 9)	1
9	60–5400	Bearing–Rear	1
10	46–8050	Packing	1
11	46–7780	Asm–Yoke	1
12	51–7820	Spring–Brush	4
13	51–7810	Asm–Brush Holder (Incl. Ref. #12)	1
14	51–7830	Bracket–Rear	1
15	93–3687	Bolt Set	1
16	51–7780	Cover Set	1
17	46–7760	Gear	1
18	46–7750	Asm–Shaft, Pinion	1
19	46–7720	Pinion Set (Incl. Ref. #20)	1
20	51–7740	Stopper	1
21		Spring	1
*	46–7740	Gear Set (Incl. Ref. #17 & 18)	1
*	46–7710	Asm–Shaft, Clutch (Incl. Ref. #16–20)	1

* Not Illustrated

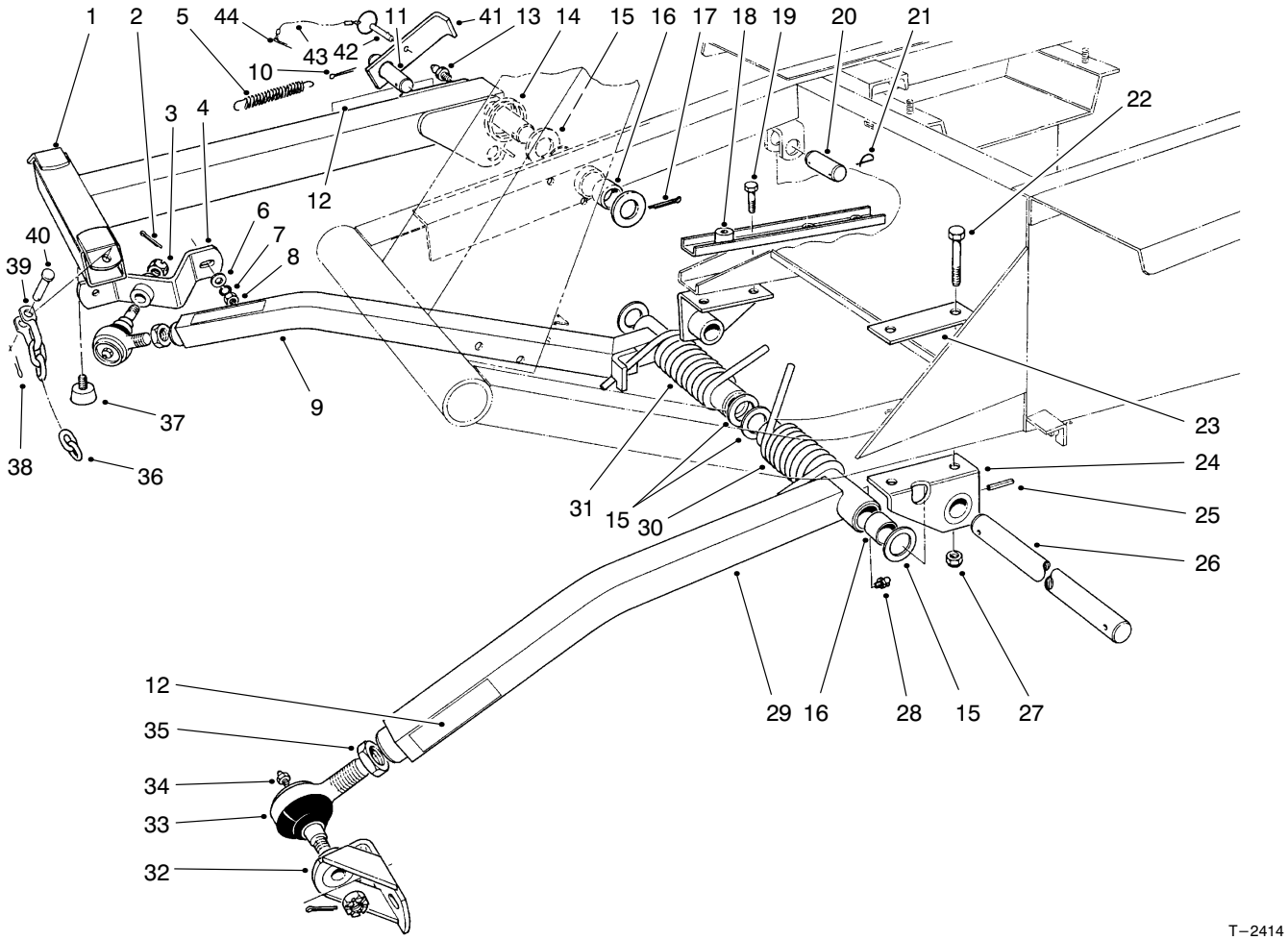


T−1188−2

AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	20−4840	Muffler Clamp (Incl. Ref. #2)	1
2	3217−6	Nut	2
4	27−7110	Asm−Element	1
5	27−7120	Asm−Nut & Gasket	1
6	27−7140	Skirt−Baffle	1
7	27−7130	Asm−Clamp	1
8	27−7150	Asm−Cup	1
9	2412−3	Hose−Clamp	1
10	95−1836	Hose−Air Cleaner	1
11	2412−42	Hose Clamp	1
12	80−3330	Gasket	1
13	322−10	Screw−HH	4

Ref. No.	Part No.	Description	No. Used
14	32107−11	Nut	2
15	27−7170	Asm−Band (Incl. Ref. #14 & 16)	2
16	3258−19	Screw−Mach. Rd. Hd.	2
17	27−7100	Asm−Air Cleaner (Incl. Ref. #3−8)	1
18	44−8950	Tube−Air Cleaner	1
19	93−7275	Decal−Starting Fluid	1
20	27−7180	Asm−Cap, Air Inlet	1
21	3296−29	Nut−Lock	4
22	77−3180	Spacer	4
*	95−3092	Kit−400 Hour Filter (Incl. Ref. #4)	1

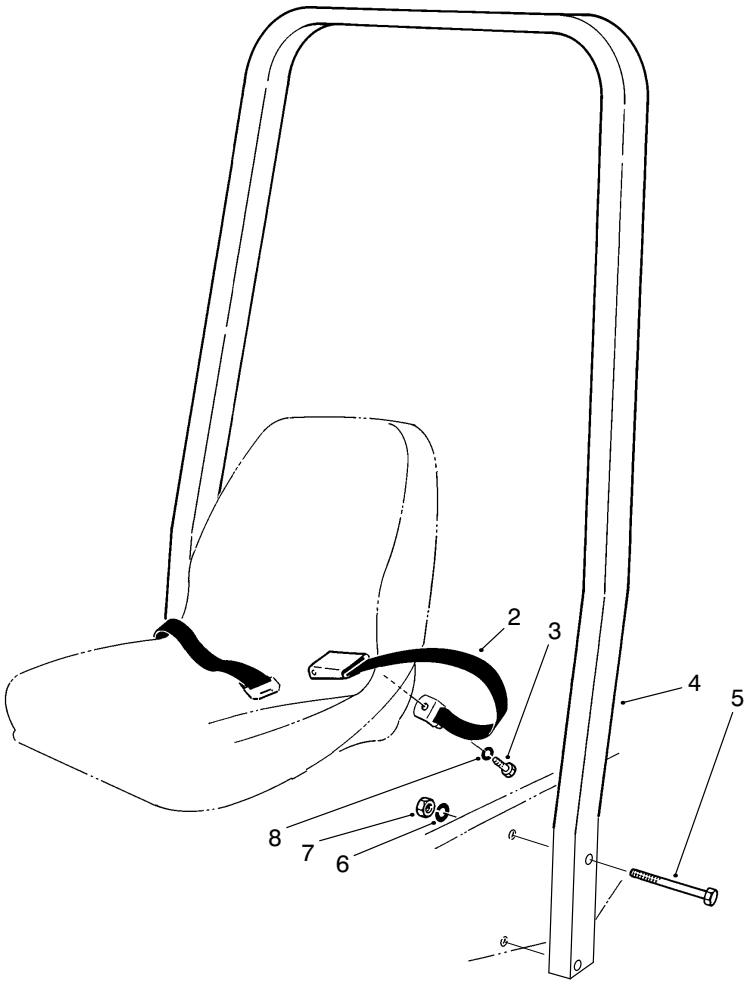


T−2414

PUSH ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	66−6370	Lift Arm	1
2	3272−11	Pin−Cotter	2
3	32136−2	Nut−Hex. Slotted	2
4	21−3020	Ball Joint Mount RH	1
5	21−1830	Spring Tension	1
6	3256−25	Washer−Flat	1
7	3253−6	Washer−Lock	2
8	3217−8	Nut−Full	2
9	66−7150	Push Arm RH (Incl. Ref. #16 & 28)	1
10	3272−24	Cotter Pin	1
11	24−9510	Pin	1
12	93−6696	Warning Decal	3
13	302−5	Fitting−Grease	1
14	46−8840	Spring−Lift Arm	1
15	5−1754	Washer	6
16	256−126	Bushing	6
17	3272−33	Pin−Cotter	1
18	93−7040	Support−Reinforcement	1
19	324−4	Screw−HH	2
20	3−7292	Pin	1
21	5−3126	Pin−Spring	3
22	324−11	Screw−HH	2

Ref. No.	Part No.	Description	No. Used
23	21−3750	Support Plate	1
24	21−2860	Push Arm Bracket	2
25	32121−84	Pin−Roll	2
26	21−2990	Shaft−Pivot	1
27	32128−42	Nut	4
28	302−33	Fitting−Grease	2
29	21−2960	Push Arm LH (Incl. Ref. #16 & 28)	1
30	21−2900	Spring−Torsion LH	1
31	21−2890	Spring−Torsion RH	1
32	21−3050	Ball Joint Mount LH	1
33	86−8100	Asm−Ball Joint	2
34	302−5	Fitting−Grease	2
35	21−3000	Nut−Jam	2
36	3−1365	Chain−Lift	3
37	68−3270	Bumper	1
38	3272−10	Pin−Cotter	3
39	5−2942	Shackle	3
40	283−10	Pin	3
41	93−7650	Lever−Locking	1
42	93−7644	Pin−Hitch	1
43	28−8070	Lanyard	1
44	3272−7	Pin−Cotter	1



T−0927−3

ROLL OVER PROTECTION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
†2	72−9390	Asm−Seat Belt	1
3	3212−4	Screw−HH	2
*4	2−15023	Asm−Roll Bar	1
5	328−12	Screw−HH	4

Ref. No.	Part No.	Description	No. Used
6	3253−9	Washer−Lock	4
7	3217−12	Nut−Hex.	4
8	3253−6	Washer−Lock	2

* Obtain from Custom Products, Litchfield, MN 55355.
† Do not use without installing Roll Over Protection Unit.

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 Groundsmaster 325D 4 Wheel Drive has two identification numbers; a model number and a serial number. The two numbers are stamped on a plate which is located on the main frame under the seat. In any correspondence concerning the Groundsmaster 325D 4 Wheel Drive – 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 Groundsmaster 325D 4 Wheel Drive.
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.

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MAINTENANCE RECORD

Date								