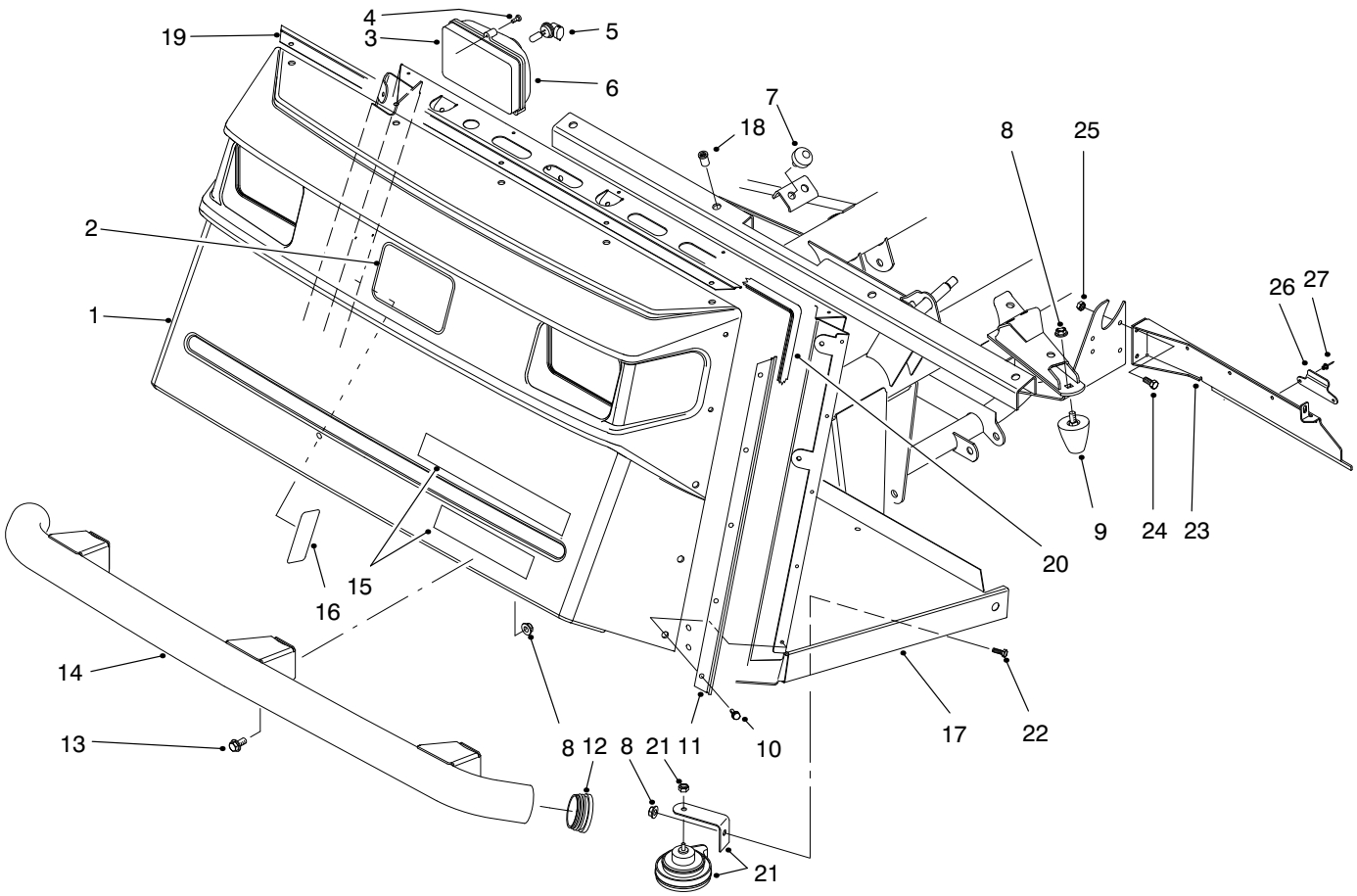
FORM NO. 3323−195

TORO®

MODEL NO. 07230−90001 & UP

PARTS CATALOG

WORKMAN® 3320D



T−1581

FRONT BUMPER & HOOD ASSEMBLY

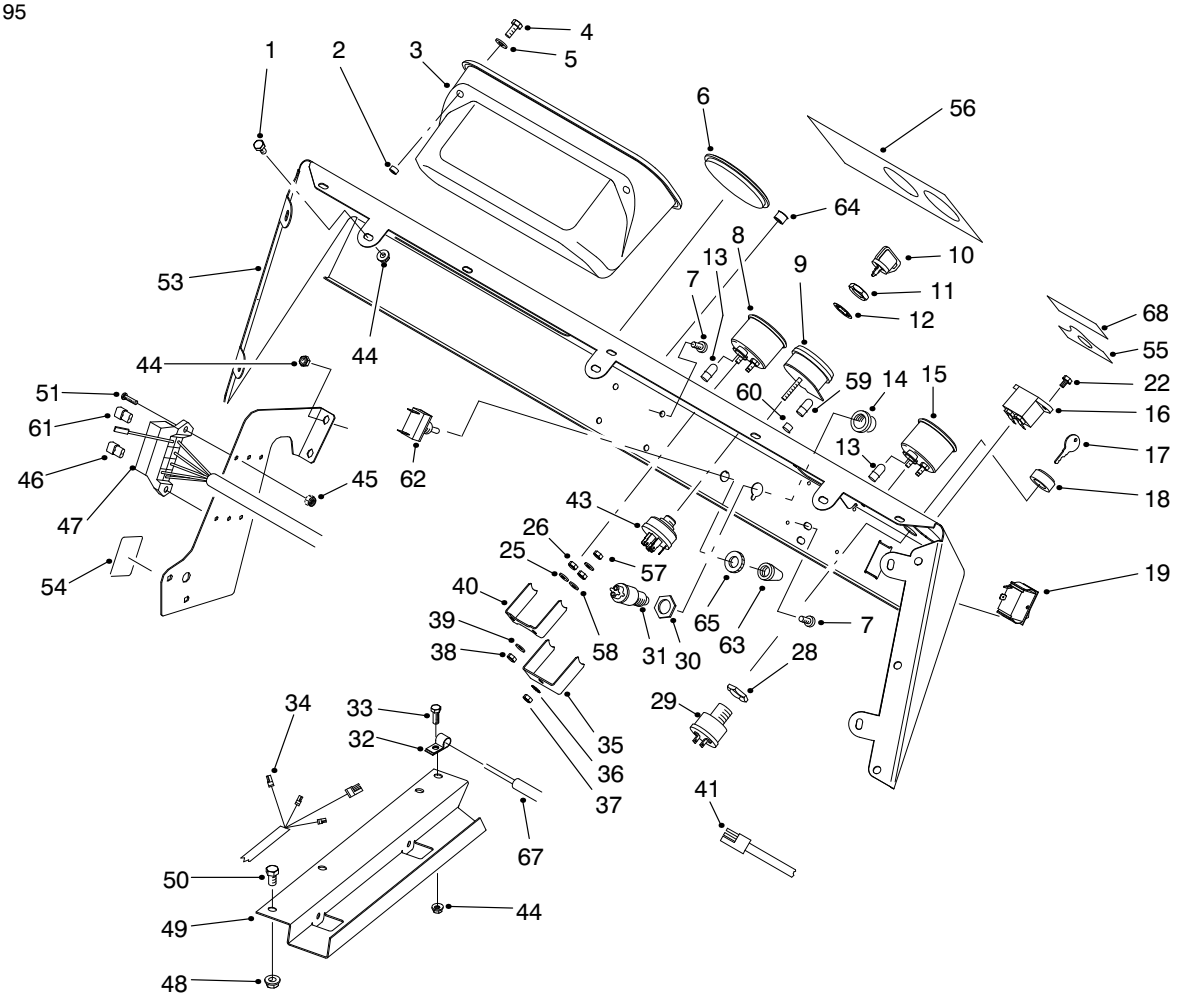
Ref. No.	Part No.	Description	No. Used
1	98−2979	Hood	1
2	62−5550	Decal − TORO	1
3	87−2120	Headlight Assembly (Incl. Ref. #5−6)	2
4	32104−88	Screw	6
5	87−6320	Bulb − Headlight	2
6	87−6330	Lens − Headlight	2
7	87−2440	Bumper	2
8	3290−357	Nut − Flange Lock	9
9	26−0071	Bumper	2
10	87−6620	Screw	15
11	87−8120	Bracket − Trim Side	2
12	2410−42	Cap − Front Bumper	2
13	3234−1	Screw − Hex. Flange Hd.	6
14	87-4070-03	Bumper − Front	1

Ref. No.	Part No.	Description	No. Used
15	99−9436	Decal − Workman 3320D	1
16	87−9500	Decal − Load	1
17	94−5240	Operators Platform Assy. (Incl. Ref. #18)	1
18	32148−7	Nut − Clinch	8
19	87-8130-03	Bracket − Trim Top	1
20	87−8160	Trim	1
21	116749	Horn Assembly	1
22	323−4	Screw − Cap Hex. Hd.	1
23	94-3838-03	Bracket − Mudflap LH	1
*	94-3839-03	Bracket − Mudflap RH	1
24	321−4	Screw − Cap Hex. Hd.	4
25	32128−33	Nut − Lock	4
26	100-4469-03	Bracket−Shroud	2
27	146489	Rivet	4

*Not Illustrated

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3323−195

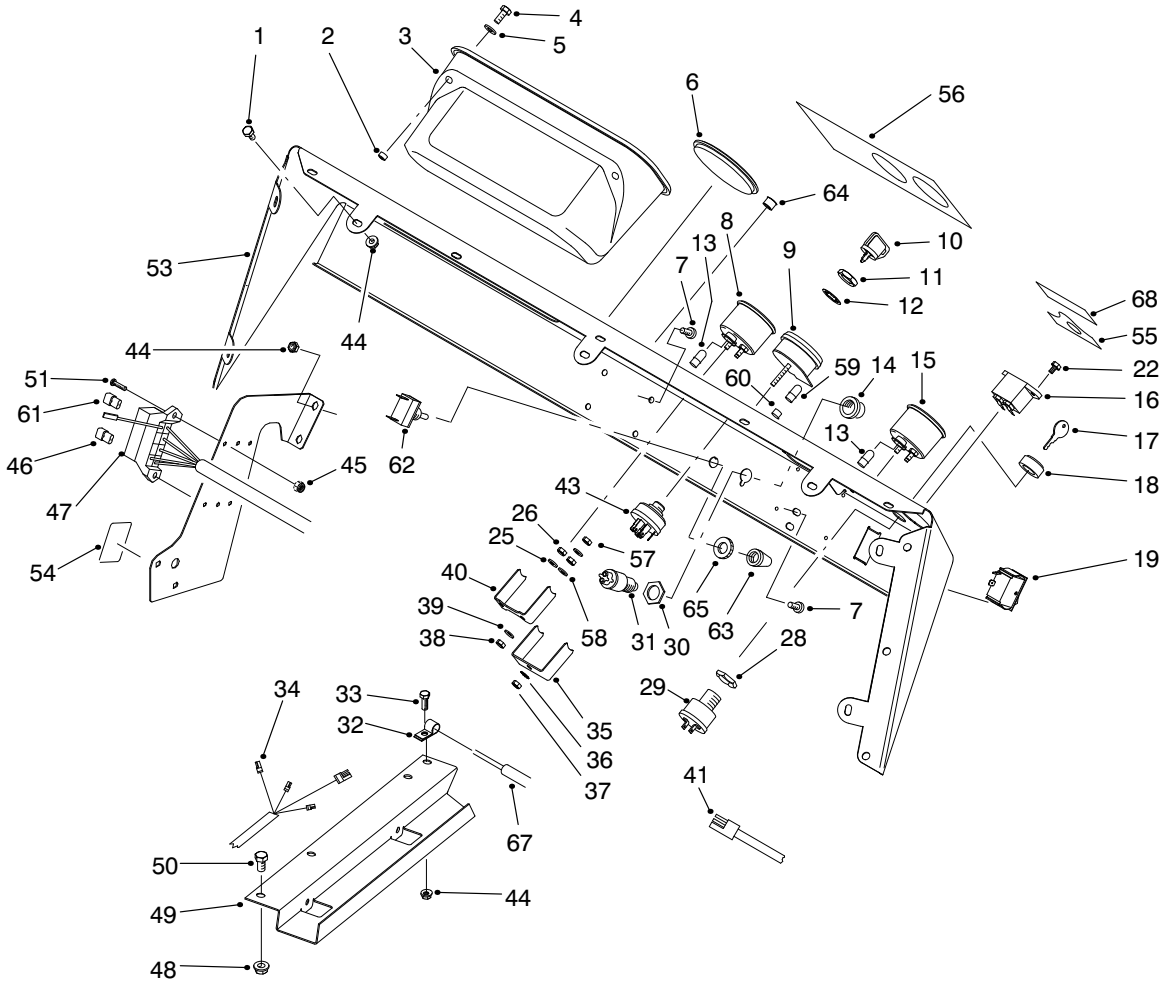


T−3297

CONTROL PANEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	321−2	Screw − Cap Hex. Hd.	7
2	32148−6	Insert − Threaded	2
3	87−3780	Box − Glove	1
4	321−3	Screw − Cap Hex. Hd.	2
5	3256−22	Washer − Flat	2
6	2410−35	Plug	1
7	3274−31	Screw − Button Hd.	4
8	87−5590	Temperature Gauge Assy. (Incl. Ref. #38−40, 57 & 58)	1
9	93−7053	Warning Light Assembly (Incl. Ref. #35−37, 59 & 60)	1
10	63−8360	Key − Ignition	1
11	218−446	Nut − Hex.	1
12	218−447	Washer − Lock	1
13	218−600	Bulb	2
14		Button − Horn	1
15	87−5580	Fuel Gauge Assembly (Incl. Ref. #38−40, 57 & 58)	1
16	75−6820	Hourmeter	1
17	87−0740	Key − Supervisor Switch	1
18	87−1720	Nut − Supervisor Switch	1
19	87−3790	Switch − Light	1
22	32144−18	Screw − Cap Hex. Hd.	2
28		Nut − Hex.	1
29	94−5245	Supervisor Switch Assembly (Incl. Ref. #17, 18 & 28)	1

Ref. No.	Part No.	Description	No. Used
30		Nut − Hex.	1
31	18−2830	Horn Switch Assembly (Incl. Ref. #14 & 30)	1
32	2412−89	Clamp − R	1
33	321−4	Screw − Cap Hex. Hd.	1
34	99−9426	Harness − Wire Rear	1
35		Clamp − Light	1
36	3254−1	Washer − Lock	1
37	3217−26	Hut − Hex.	1
38	3217−25	Nut − Hex.	4
39	3253−15	Washer − Lock	4
40		Clamp − Temp. Gauge	1
41	87−4230	Harness − Wire Front LH	1
43	27−2360	Ignition Switch Assembly (Incl. Ref. #11 & 12)	1
44	32128−33	Nut − Flange	12
45	3296−2	Nut − Lock	2
46	218−574	Fuse − 7.5 Amp	2
47	87−8500	Front Wire Harness Assy. (Incl. Ref. #13)	1
48	32128−20	Nut − Flange	3
49	93-7094-03	Cover − Wire Harness	1
50	322−2	Screw − Cap Hex. Hd.	3
51	3250−13	Screw	2
53	87−8550	Control Panel Assembly (Incl. Ref. #55−56 & 68)	1



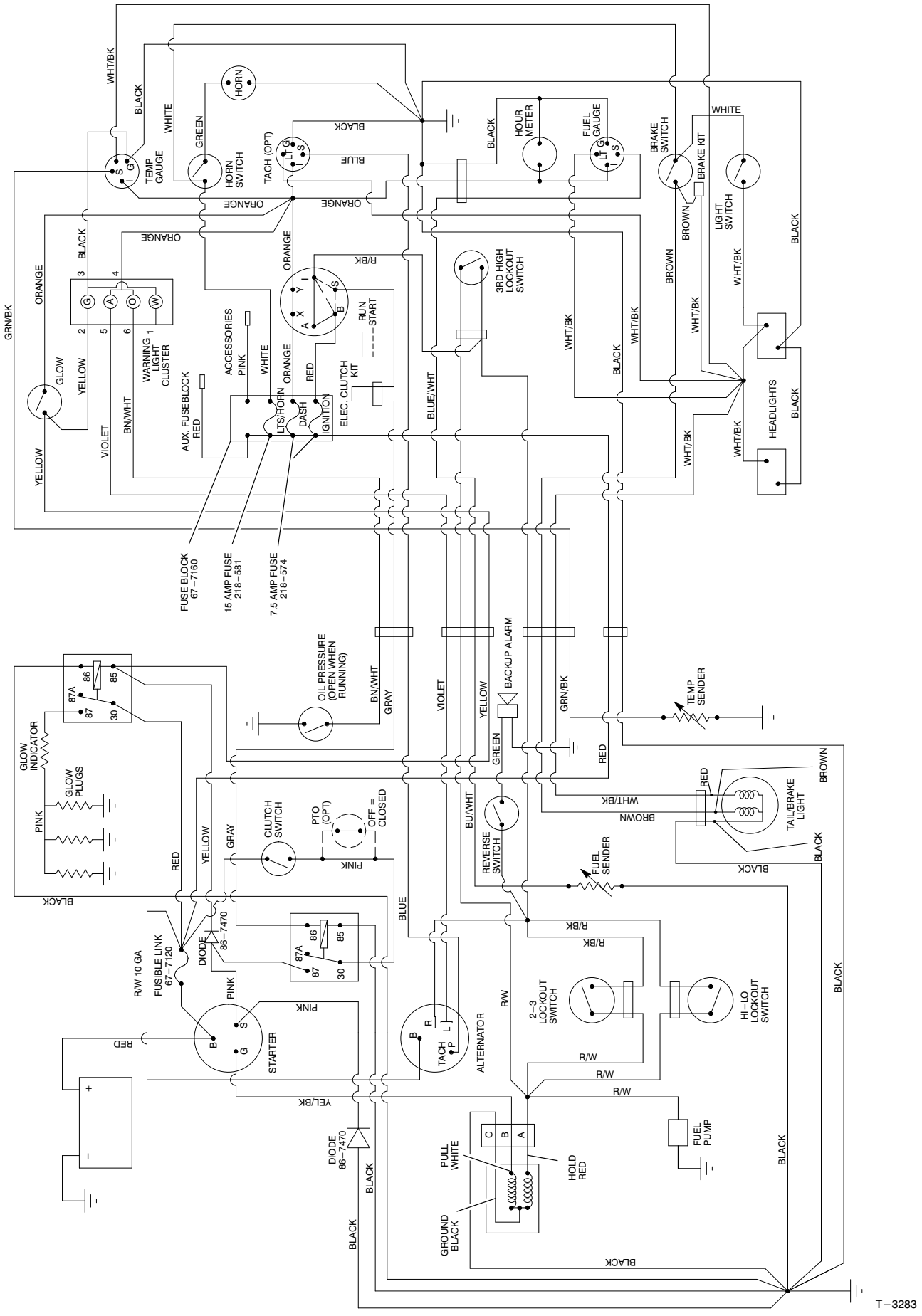
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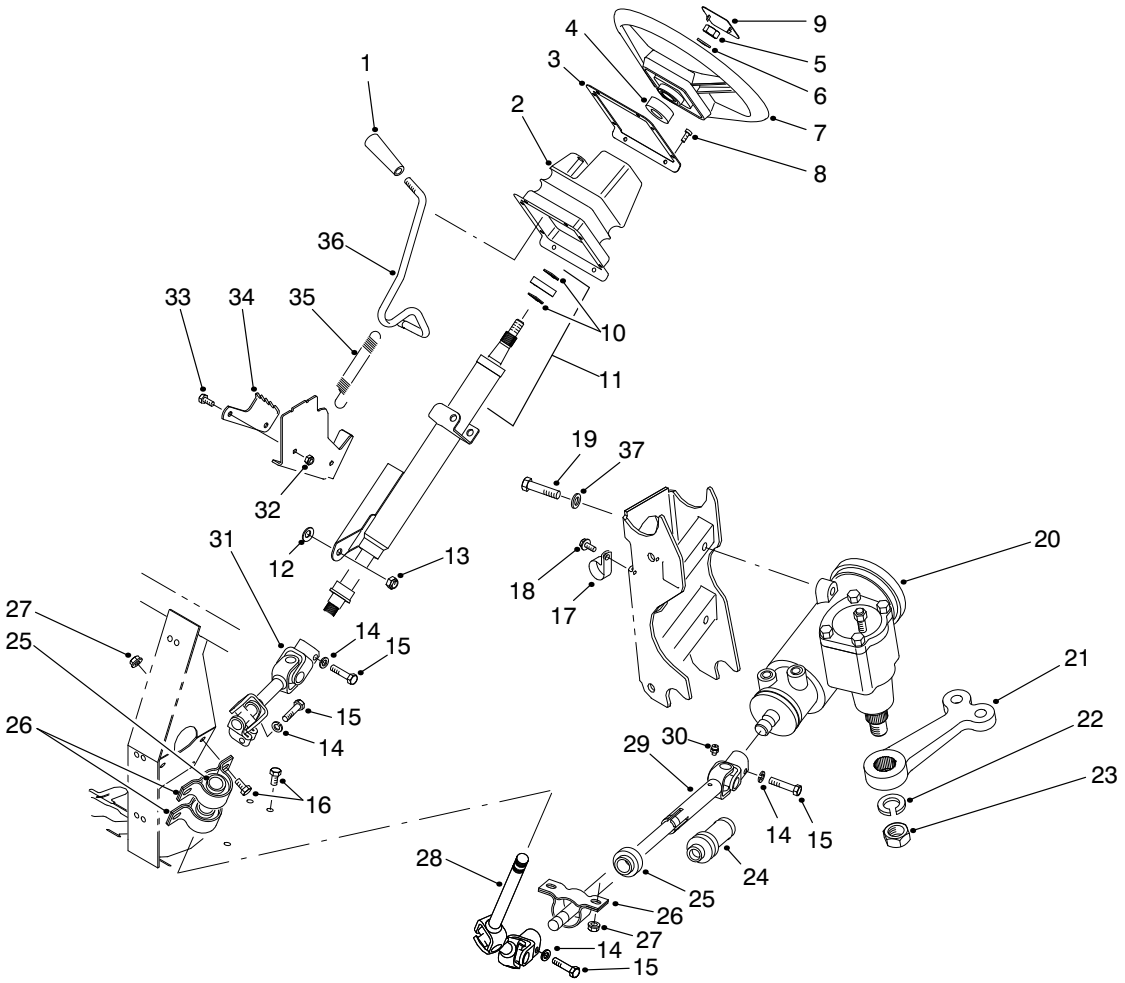
CONTROL PANEL ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
54	87−6670	Decal − Fuse	1
55	87−5910	Decal − Supervisor	1
56	87−8530	Decal − Dash	1
57	3217−29	Nut − Jam	3
58	3253−19	Washer − Lock	3
59	219−17	Bulb − Warning Light	4
60	87−6270	Socket & Bulb Assembly (Incl. Ref. #59)	4

Ref. No.	Part No.	Description	No. Used
61	218−578	Fuse − 10 Amp	1
62	6−1659	Toggle Switch Assembly (Incl. Ref. #63 & 65)	1
63	218−473	Boot − Switch	1
64	2410−64	Plug − Hole	1
65		Nut − Lock	1
67	99−1201	Cable − Clutch	1
68	94−5272	Decal − Warning	1

ELECTRICAL SCHEMATIC



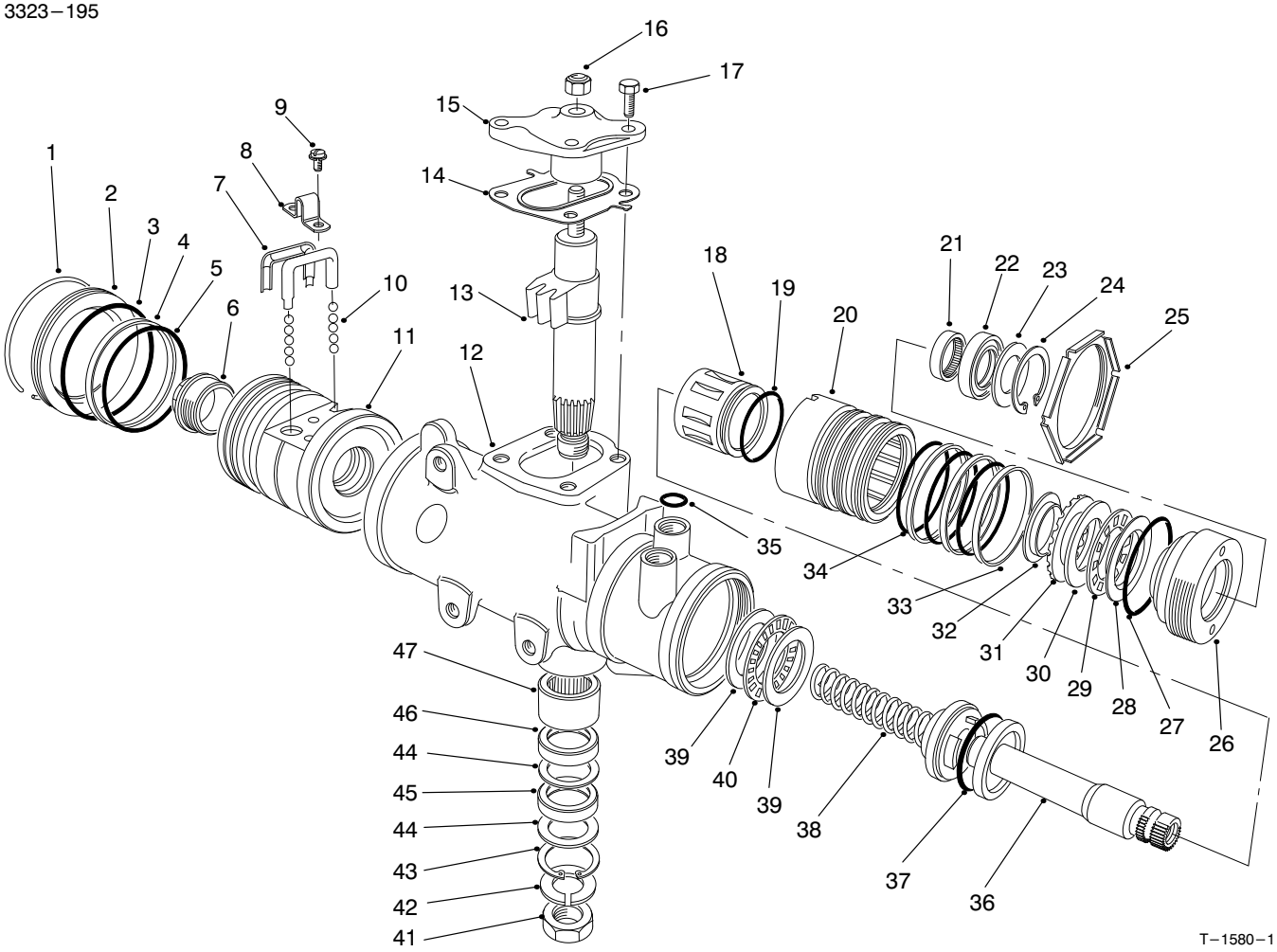


STEERING LINKAGE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	233−39	Knob	1
2	87−3460	Boot − Tilt Steering	1
3	87-4720-03	Plate − Steering Boot	1
4	21−9260	Spacer	1
5	3277−1	Nut − Hex.	1
6	48−8070	Washer − Flat	1
7	87−3820	Wheel − Steering	1
8	32144−116	Screw − Pan Head	8
9	87−3750	Cover − Steering Wheel	1
10	43−6550	Ring − Retaining	2
11	92−4153	Assembly −Steering Column (Incl. Ref. #10)	1
12	3290−455	Washer	1
13	3296−59	Nut − Lock	1
14	3253−4	Washer − Lock	4
15	48−7740	Screw − Cap Hex. Hd.	4
16	322−2	Screw − Cap Hex. Hd.	6
17	2412−105	Clamp − R	2
18	32144−10	Screw − Self Tapping	2
19	93−7145	Screw − Cap Hex. Hd.	3
20	87-1500-03	Steering Gear Assembly (Incl. Ref. #22 & 23)	1

Ref. No.	Part No.	Description	No. Used
21	87-0370-03	Arm − Pitman	1
22	39−7420	Washer − Lock	1
23	39−7440	Nut − Lock	1
24	92−4157	Boot − Steering Shaft	1
25	87−2280	Bearing	3
26	87−3250	Mount − Bearing	3
27	32128−20	Nut − Flange	6
28	92−4155	Slip Joint Assembly − Upper	1
29	92−4156	Slip Joint Assembly − Lower (Incl. Ref. #24 & 30)	1
30	302−5	Fitting − Grease	1
31	92−4154	Universal Joint Assembly	1
32	3296−42	Nut − Lock	2
33	321−3	Screw − Cap Hex. Hd.	2
34	87−3610	Bracket − Detent	1
35	65−5360	Spring − Extension	1
36	87−3130	Lever − Tilt Steering	1
37	87−7480	Washer − Flat	3
*	87−3100	Lower Shaft Assembly (Incl. Ref. #24 & 28−30)	1
*	87−3120	Steering Column & Shaft (Incl. Ref. #10, 11 & 31)	1

*Not Illustrated

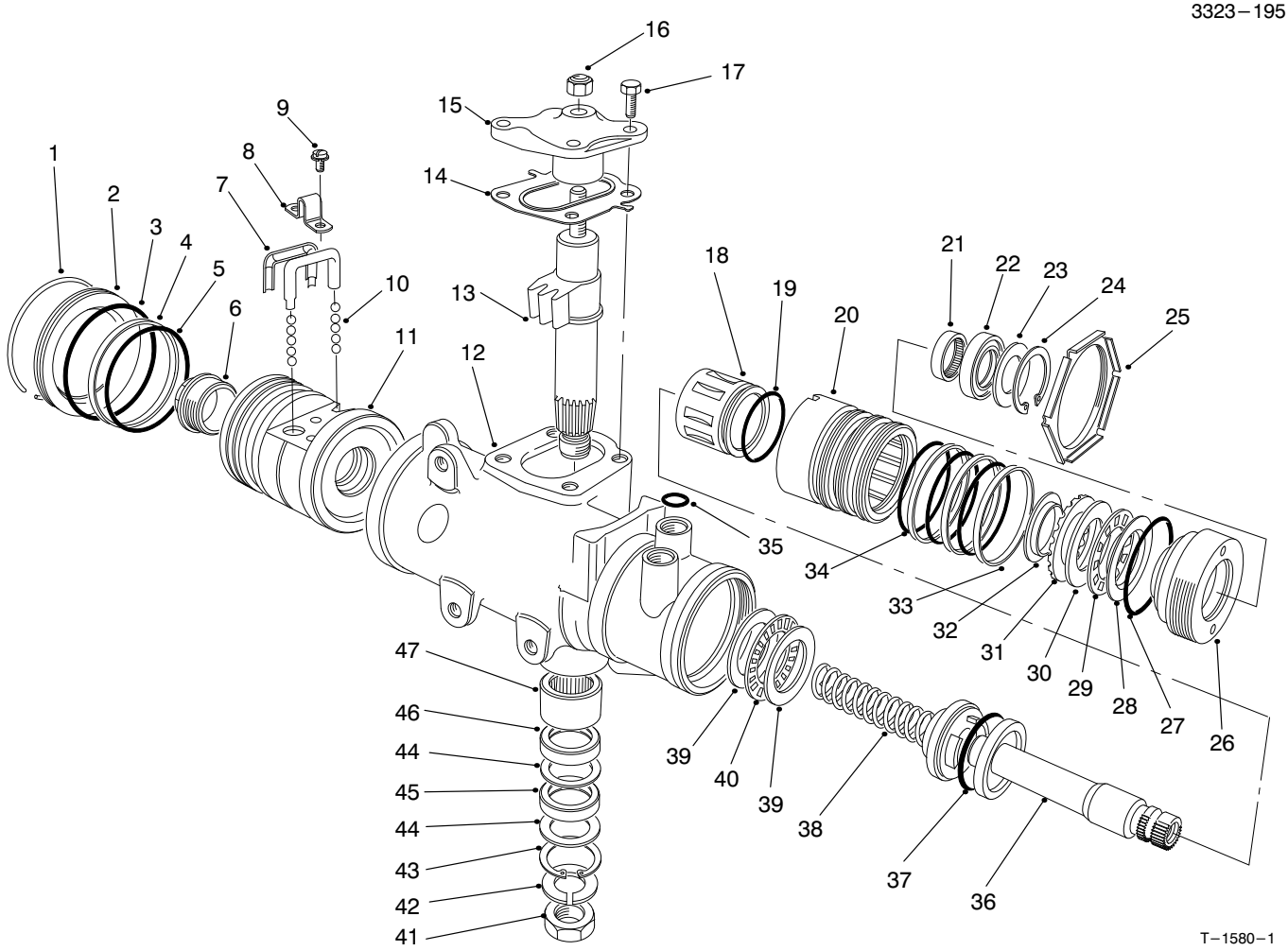


STEERING GEAR ASSEMBLY NO. 87−1500

Ref. No.	Part No.	Description	No. Used
1		Ring − Retaining	1
2	92−4165	Plug − Housing End	1
3		Seal − Housing End Plug	1
4		Ring − Rack Piston	1
5		O−Ring, Rack Piston	1
6	18−4340	Plug − Rack Piston End	1
7	92−4168	Return − Guide Ball	2
8	18−4270	Clamp − Ball Return Guide	1
9	18−4260	Assy. − Screw/Lockwasher	2
10	18−5190	Kit−Ball, Recirculating (Consists of 12 each of .2806 Dia. & .2812 Dia. Chrome Balls)	1
11		Nut − Rack Piston	1
12		Housing − Steering Gear	1
13		Gear − Pitman Shaft	1
14	28−8280	Seal Kit − Side Cover (Incl. Ref. #17)	1
15		Cover − Housing Side	1
16	28−8220	Nut − Lash Adjuster	1
17	28−8210	Bolt − Flange Hex. Hd.	4
18		Spool Valve	1
19		O−Ring, Spool Valve	1
20		Valve Body	1
21	92−4169	Bearing − Needle	1
22		Seal − Stub Shaft	1
23		Seal − Stub Shaft Dust	1

Ref. No.	Part No.	Description	No. Used
24		Ring − Retaining	1
25	92−4159	Nut − Adjuster Plug Lock	1
26		Plug − Adjuster	1
27	28−8200	O−Ring	1
28		Race − Upper Bearing	1
29		Bearing − Roller, Thrust	1
30		Race − Thrust Bearing	1
31		Spacer − Thrust Bearing	1
32		Retainer − Bearing	1
33		Ring − Valve Body	3
34		O−Ring	3
35	39−7310	O−Ring	3
36		Shaft − Stub	1
37		O−Ring	1
38		Worm − Steering	1
39		Race − Thrust Bearing	2
40		Bearing − Roller, Thrust	1
41	39−7440	Nut − Pitman Arm	1
42	39−7420	Washer − Lock	1
43		Ring − Retaining	1
44		Washer − Seal, Backup	2
45		Seal − Pitman Shaft	1
46		Seal − Pitman Shaft	1
47	92−4170	Bearing − Pitman Shaft	1
*	92−4161	Assembly − Cover Service Housing Side (Incl. Ref. #14−17)	1

*Not Illustrated



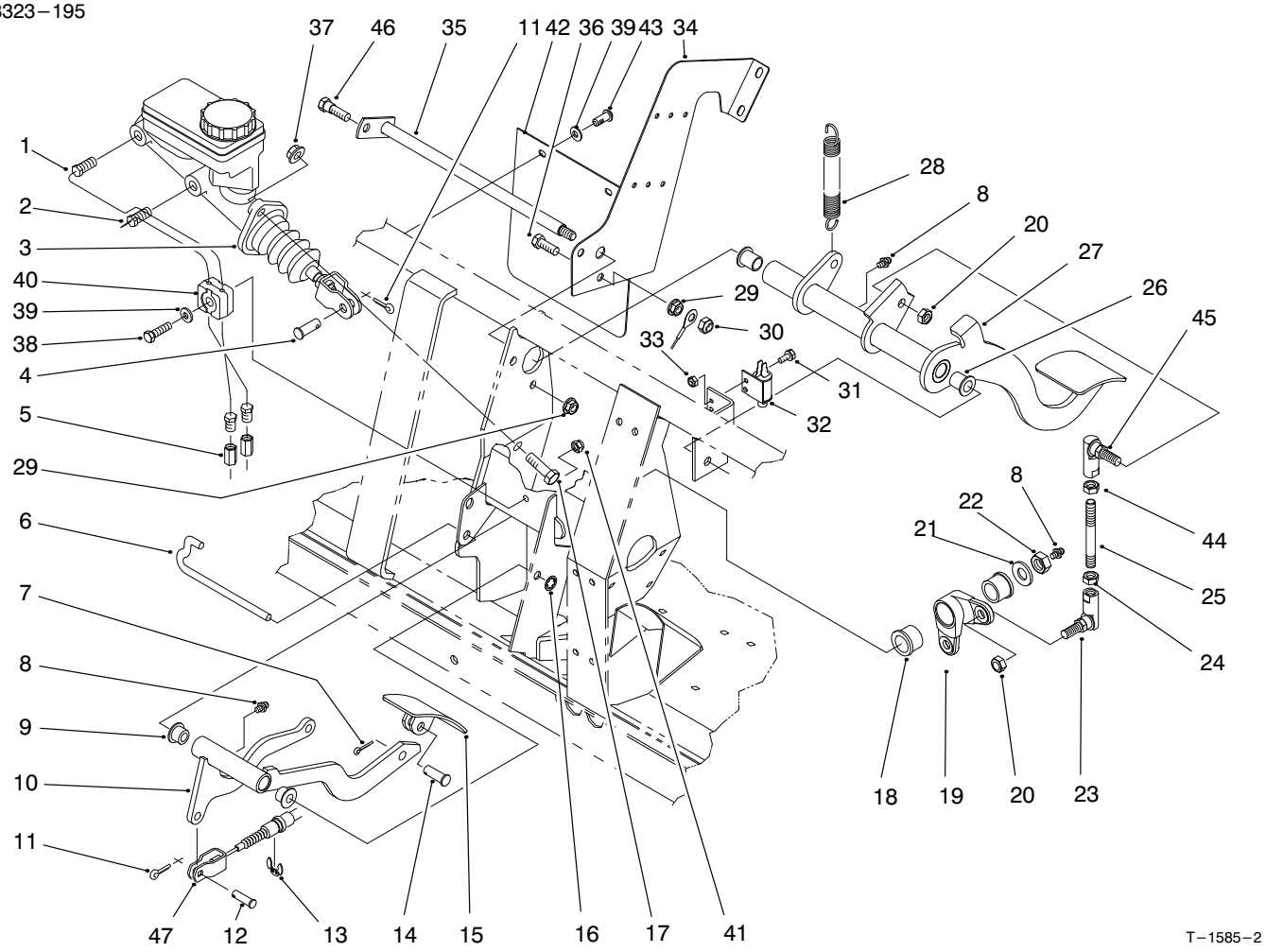
STEERING GEAR ASSEMBLY NO. 87−1500 (Continued)

Ref. No.	Part No.	Description	No. Used
*	28−8270	Seal Service Kit − End Plug (Incl. Ref. #1 & 3)	1
*	28−8290	Seal Service Kit Rack/Piston (Incl. Ref. #4 & 5)	1
*	18−5180	Bearing Kit − Lower Thrust (Incl. Ref. #39−40)	1
*	98−2962	Seal Kit − Pitman Shaft (Incl. Ref. #43−46	1
*	18−5170	Seal Kit − Valve Ring (Incl. Ref. #19, 33, 34 & 37)	1
*	92−4163	Assy. − Steering Housing (Incl. Ref. #12 & 43−47)	1
*	92−4167	Assembly − Plug Service (Incl. Ref. #22−24 & 27)	1

Ref. No.	Part No.	Description	No. Used
*	92−4162	Pitman Shaft − Gear Service (Incl. Ref. #13−14 & 17)	1
*	92−4158	Valve Assy. − Hyd. Gear (Incl. Ref. #18−20, 33, 34, 36 & 37)	1
*	92−4160	Bearing Service Kit − Upper (Incl. Ref. #28−32)	1
*	92−4166	Rack/Piston/Nut Assembly (Incl. Ref. #1−11 & 38)	1
*	92−4164	Plug Assy. − Service Adjust. (Incl. Ref. #21−24 & 26−32)	1
*	87−1500	Steering Gear (Complete)	1

*Not Illustrated

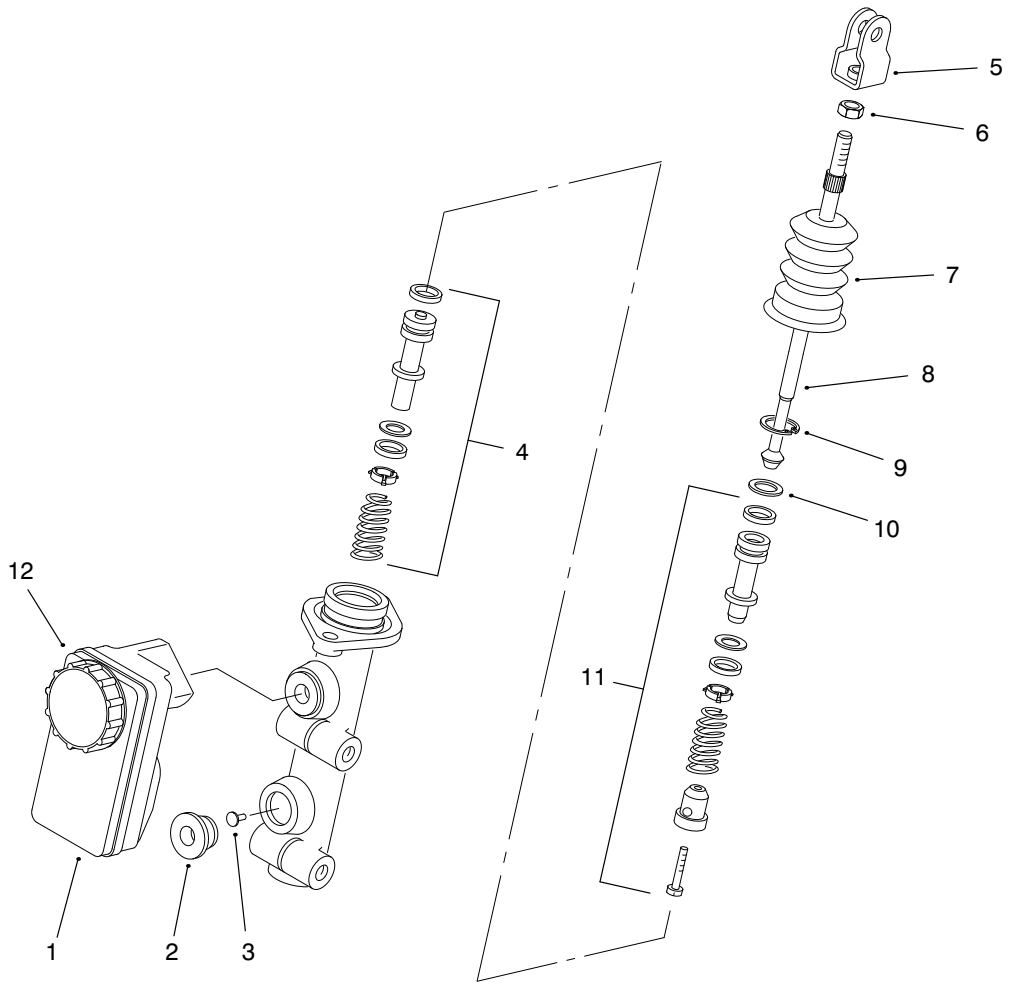
3323−195



BRAKE & ACCELERATOR PEDAL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94−3814	Tube − Hydraulic	1
2	94−3815	Tube − Hydraulic	1
3	94−3800	Master Cylinder Assembly	1
4	283−2	Pin − Clevis	1
5	87−3570	Union − Brake Line	2
6	87−2880	Shaft − Accelerator Pedal	1
7	3272−6	Pin − Cotter	1
8	302−5	Fitting − Grease	3
9	256−259	Bushing − Flange	2
10	93-8961-03	Arm − Accelerator Pedal	1
11	3272−10	Pin − Cotter	2
12	283−30	Pin − Clevis	1
13	32120−47	Ring − E	1
14	283−85	Pin − Clevis	1
15	93-8969-03	Pedal − Accelerator	1
16	32151−56	Ring − Retaining	1
17	323−7	Screw − Cap Hex. Hd.	2
18	256−247	Bushing − Flange	2
19	94−5223	Bell Crank	1
20	3296−6	Nut − Lock	2
21	3256−26	Washer − Flat	1
22	3296−23	Nut − Lock	1
23	68−3840	Ball Joint	1
24	3220−3	Nut − Hex. Jam	1

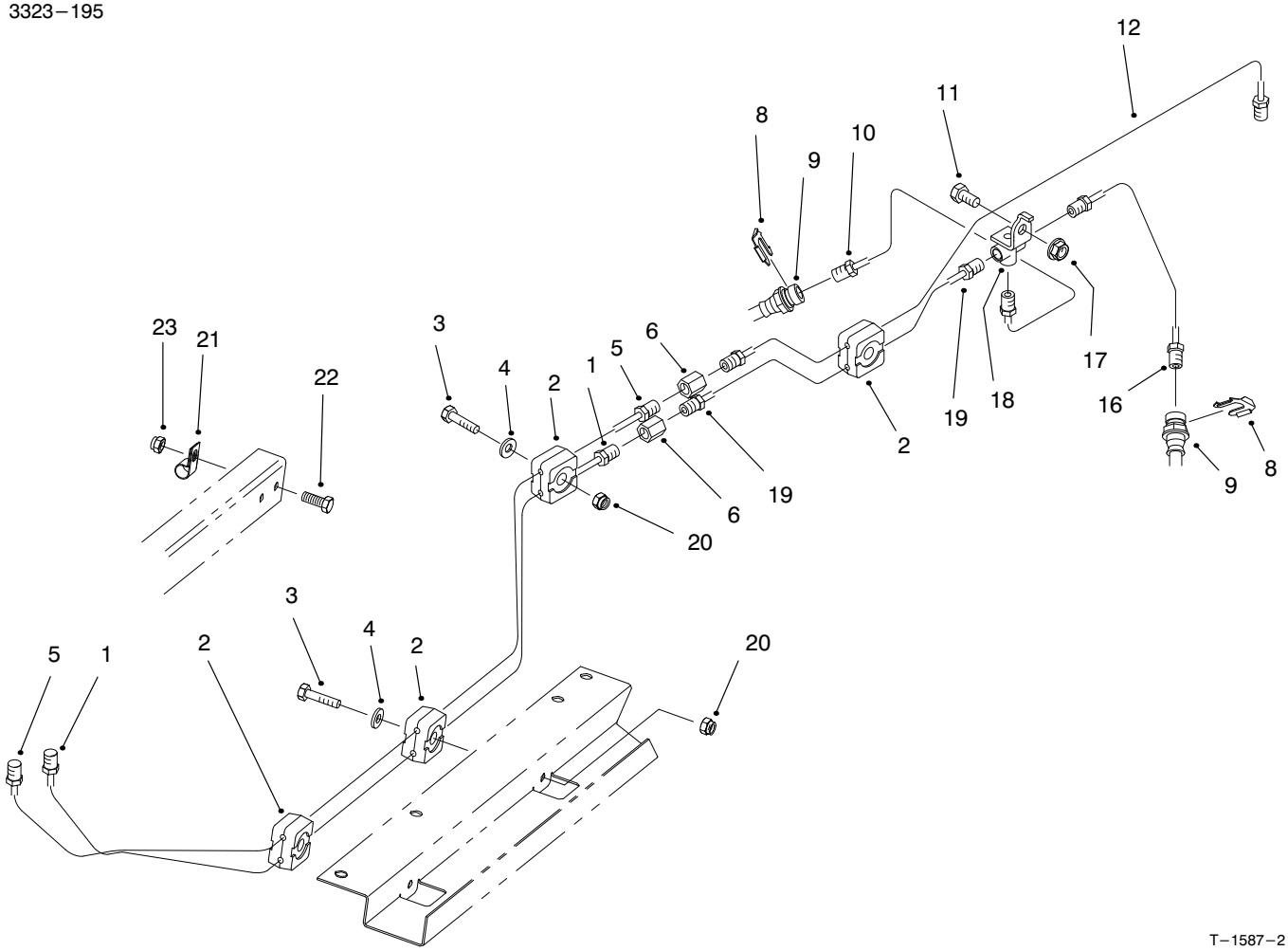
Ref. No.	Part No.	Description	No. Used
25	94−5299	Rod − Link	1
26	256−155	Bushing − Flange	2
27	93-8965-03	Pedal − Brake	1
28	76-9430-03	Spring − Extension	1
29	32128−20	Nut − Flange Lock	2
30	3296−29	Nut − Lock	1
31	3290−321	Screw − Hex. Flange Hd.	2
32	55−7120	Switch − Brake Light	1
33	3296−2	Nut − Lock	2
34	94-3821-03	Plate − Center, Frame	1
35	95−7394	Shaft − Brake	1
36	322−5	Screw − Cap Hex. Hd.	1
37	3290−357	Nut − Flange	2
38	321−9	Screw − Cap Hex. Hd.	1
39	3256−22	Washer − Flat	3
40	87−7660	Clamp − Tube	2
41	3296−42	Nut − Lock	1
42	94−5221	Flap − Master Cylinder	1
43	87−6620	Screw − Torx Pan Hd.	2
44	3220−16	Nut − Hex. Jam	1
45	68−3841	Ball Joint Assembly	1
46	28−0540	Bolt − Shoulder	1
47	94−3836	Cable − Accelerator	1



T−2339−1

MASTER BRAKE CYLINDER NO. 94−3800

Ref. No.	Part No.	Description	No. Used
1	87−3040	Reservoir − Master Cylinder (Incl. Ref. #12)	1
2	93−8971	Seal − Port, Flange	2
3	92−4103	Pin − Stop	1
4	92−4102	Secondary Piston Assembly	1
5	92−4110	Clevis	1
6	21−0360	Nut − Hex.	1
7	94−5209	Cover − Dust	1
8	94−5210	Rod − Push	1
9	92−4109	Circlip	1
10	92−4108	Washer − Retainer	1
11	92−4101	Primary Piston Assembly	1
12	92−4112	Cap Assembly	1



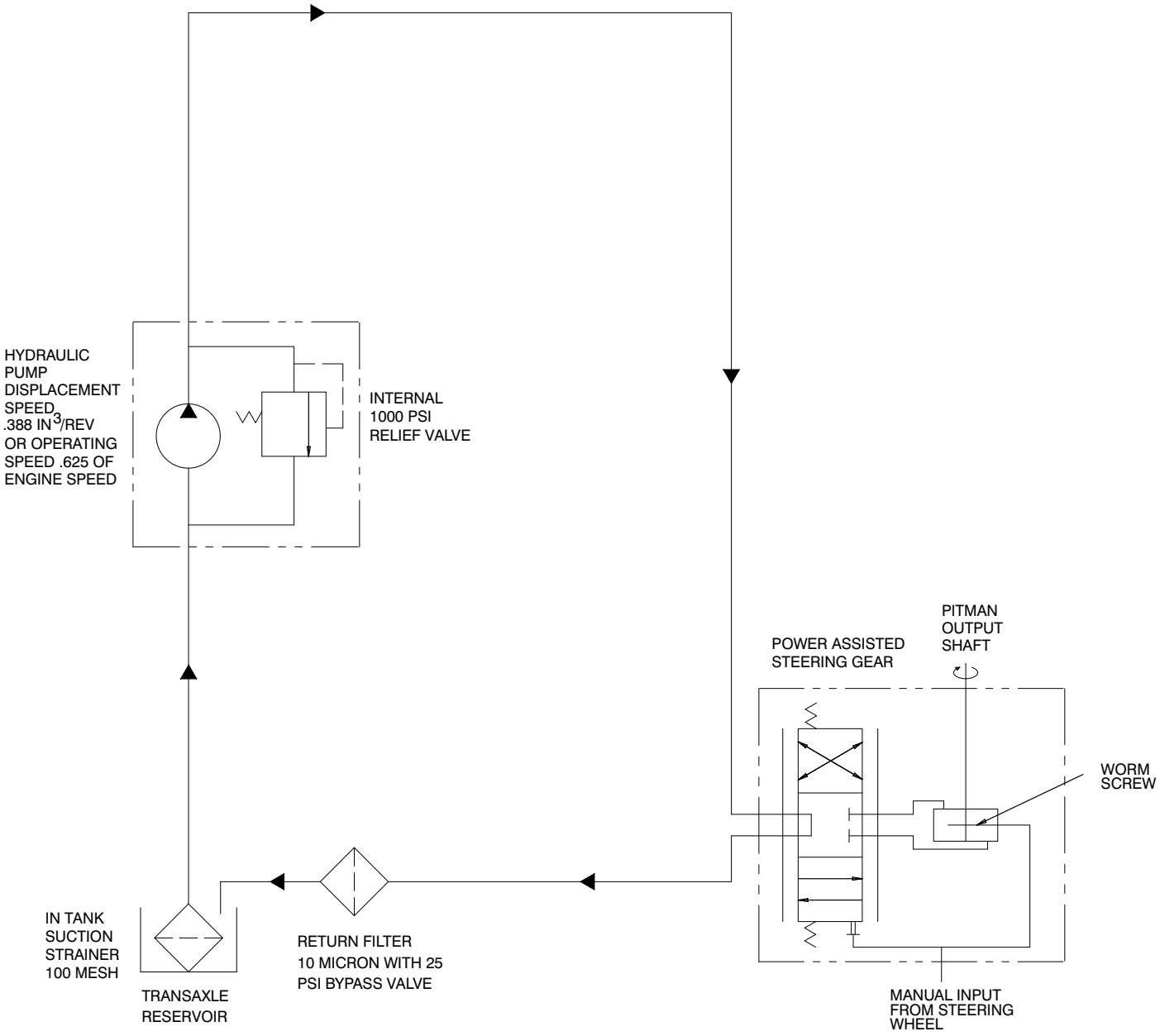
T−1587−2

HYDRAULIC BRAKE LINE ROUTING ASSEMBLY

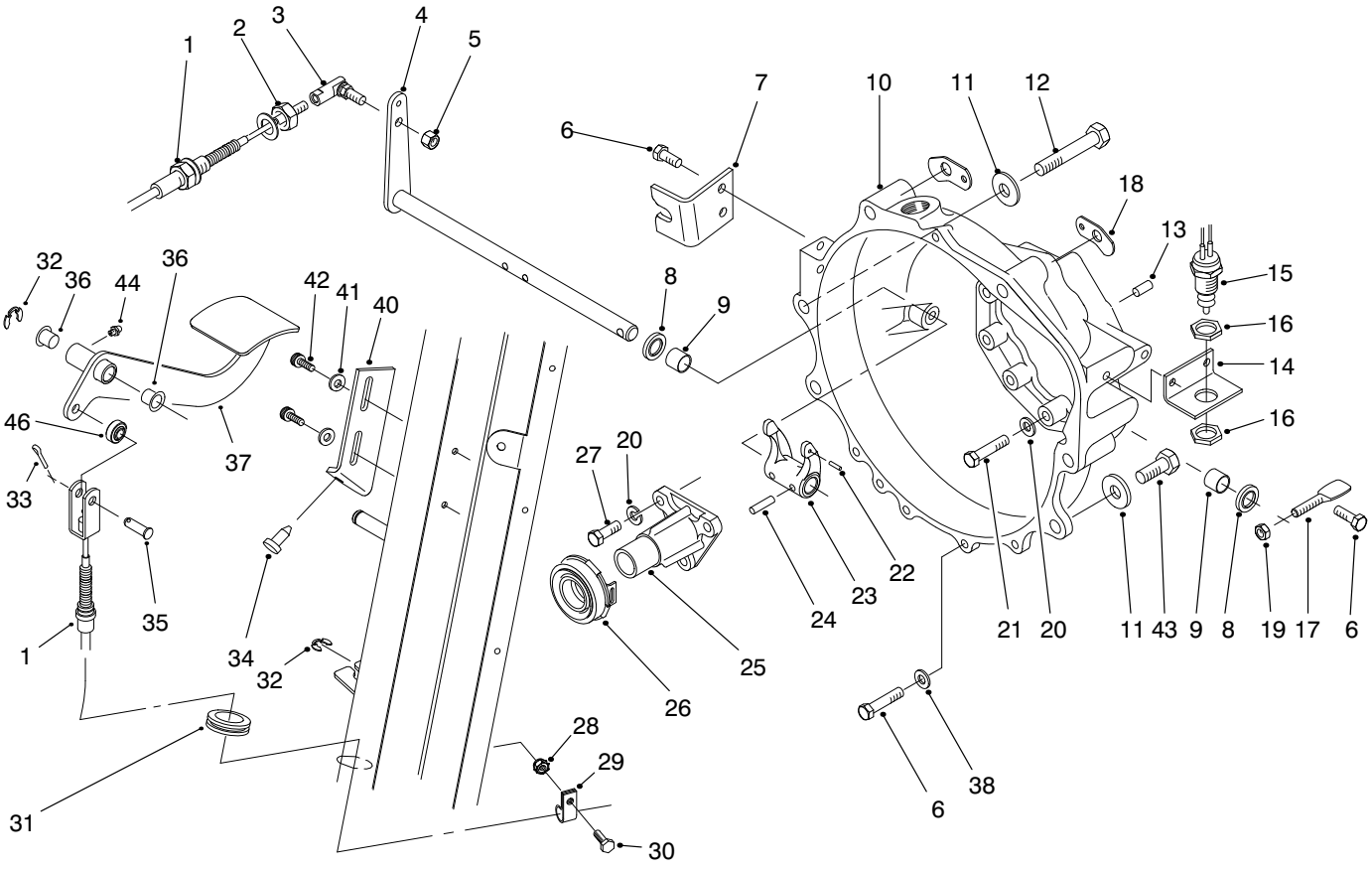
Ref. No.	Part No.	Description	No. Used
1	94−3820	Tube − Brake Front	1
2	87−7660	Clamp − Brake Line	8
3	321−9	Screw − Cap Hex. Hd.	4
4	3256−22	Washer − Flat	4
5	94−3819	Tube − Brake Rear	1
6	87−3570	Fitting − Union	2
8	87−3580	Retainer − Brake Hose	2
9	93−7123	Hose − Brake Front	2
10	93−7081	Tube − Brake Front RH	1
11	322−2	Screw − Cap Hex. Hd.	1

Ref. No.	Part No.	Description	No. Used
12	94−3842	Tube − Brake Rear	1
16	93−7082	Tube − Brake Front LH	1
17	32128−20	Nut − Flange	1
18	87−3560	Tee − Brake Line	1
19	93−7085	Tube − Brake Front	1
20	3296−42	Nut − Lock	4
21	2412−89	Clamp − R	1
22	321−4	Screw − Cap Hex. Hd.	1
23	32128−33	Nut−Hex. Flange	1

HYDRAULIC SCHEMATIC



T−3285

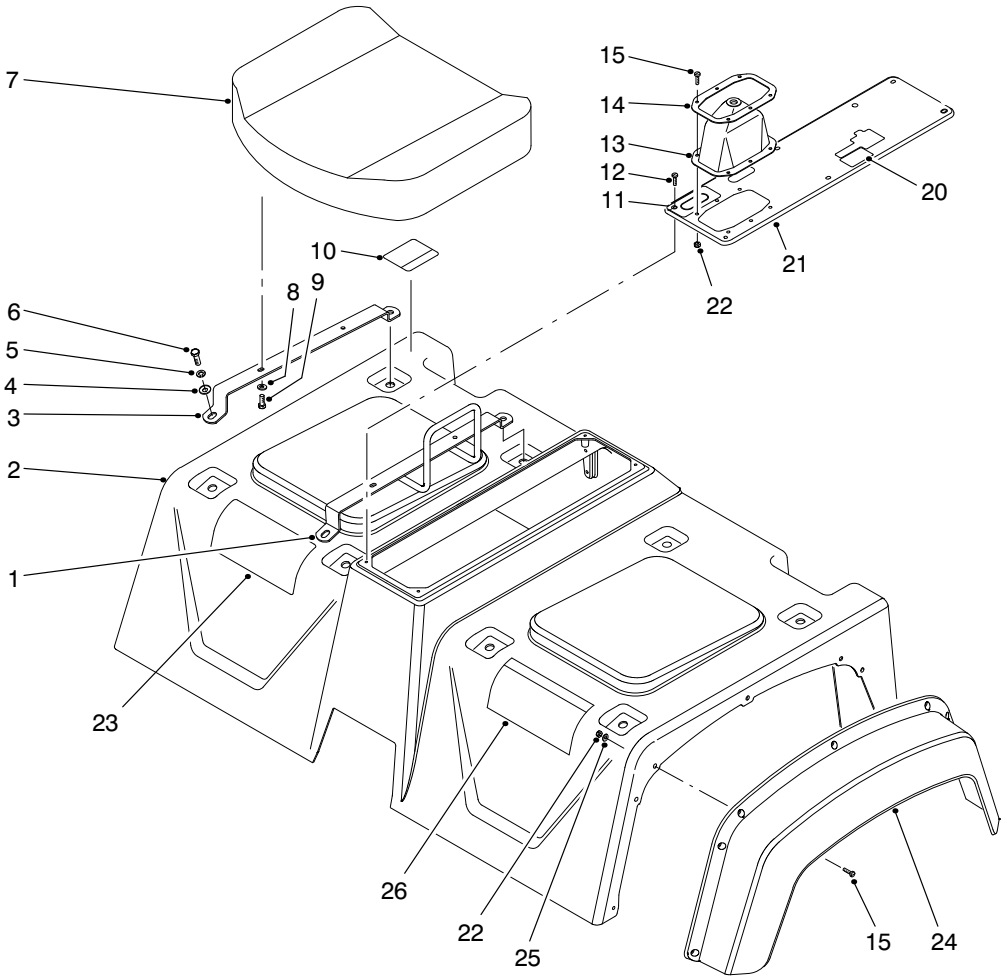


T−1658−3

CLUTCH LINKAGE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	99−1201	Clutch Cable Assembly (Incl. Ref. #2)	1
2	3220−2	Nut − Jam	1
3	2411−33	Joint − Ball	1
4	87−5280	Shaft − Release	1
5	3296−4	Nut − Lock	1
6	33114−020	Screw − Cap Hex. Hd.	8
7	87−8471	Bracket − Clutch	1
8	87−1920	Seal − Shaft	2
9	87−3770	Bushing − Sleeve	2
10	93−7120	Housing − Bell	1
11	3256−26	Washer − Flat	4
12	3215−2	Screw − Cap Hex. Hd.	5
13	87−1910	Pin − Alignment	2
14	87−5350	Bracket − Switch	1
15	87−5490	Switch − Neutral	1
16	3218−20	Nut − Jam	2
17	87−5360	Lever	1
18	87−6410	Bracket − Harness	2
19	3296−29	Nut − Lock	1
20	42−9850	Washer − Lock	12
21	33114−040	Screw − Cap Hex. Hd.	9
22	32121−7	Pin − Roll	1

Ref. No.	Part No.	Description	No. Used
23	87−5300	Fork − Clutch	1
24	32121−24	Pin − Roll	2
25	87−5320	Guide − Release	1
26	87−2100	Bearing − Release	1
27	33114−025	Screw − Cap Hex. Hd.	3
28	32128−33	Nut − Flange Lock	1
29	2412−89	Clamp − R	1
30	321−4	Screw − Cap Hex. Hd.	1
31	240−5	Grommet	1
32	32120−47	Ring − E	2
33	3272−10	Pin − Cotter	1
34	87−8460	Bumper	1
35	283−75	Pin − Clevis	1
36	256−156	Bushing − Flange	2
37	99-1199-03	Pedal − Clutch	1
38	3256−23	Washer − Lock	4
40	87−8710	Tab − Clutch	1
41	3256−22	Washer − Flat	2
42	87−6620	Screw − Torx Hd.	2
43	42−9250	Screw − Cap Hex. Hd.	1
44	302−5	Fitting − Grease	1
46	99−1202	Rod End	1

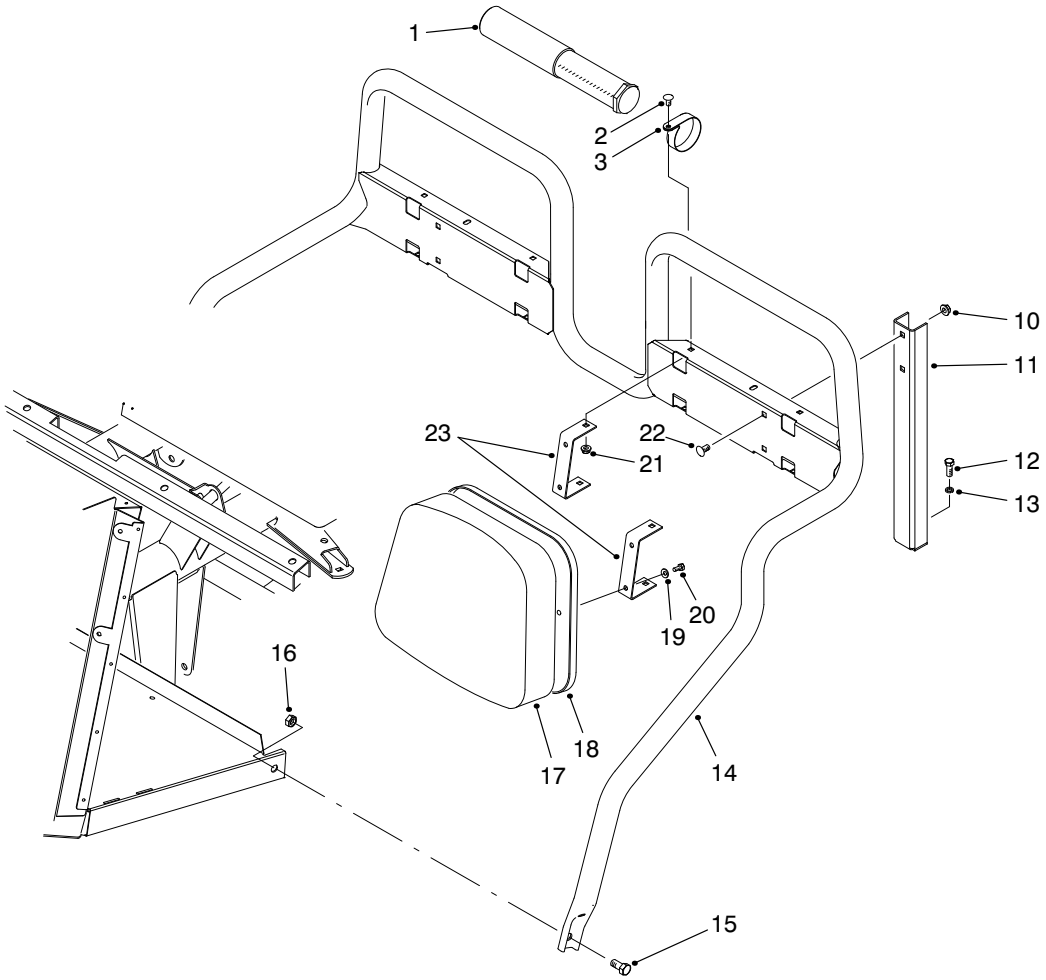


T−3286

SEAT BASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	87-6890-03	Hold − Hand	1
2	98−2986	Shroud−Yellow	1
3	87-3800-03	Bracket − Seat Bottom	3
4	3256−23	Washer − Flat	8
5	3253−4	Washer − Lock	8
6	322−5	Screw − Cap Hex. Hd.	8
7	87−5060	Cushion − Seat Bottom	2
8	3256−22	Washer − Flat	8
9	321−4	Screw − Cap Hex. Hd.	8
10	87−5930	Decal − Caution	1
11	87−5960	Decal − Axle	1

Ref. No.	Part No.	Description	No. Used
12	32144−52	Screw − Hex. Hd.	6
13	87−8620	Boot − Shift	1
14	87-3760-03	Plate − Shift Boot	1
15	3250−13	Screw − Hex. Hd.	20
20	87−6020	Decal − Brake	1
21	99-9443-03	Cover−Console	1
22	3296−2	Nut − Lock	20
23	99−9440	Decal − Quick Ref.	1
24	87−9480	Fender − Front	2
25	3256−61	Washer − Flat	14
26	100−4451	Decal − Danger	1

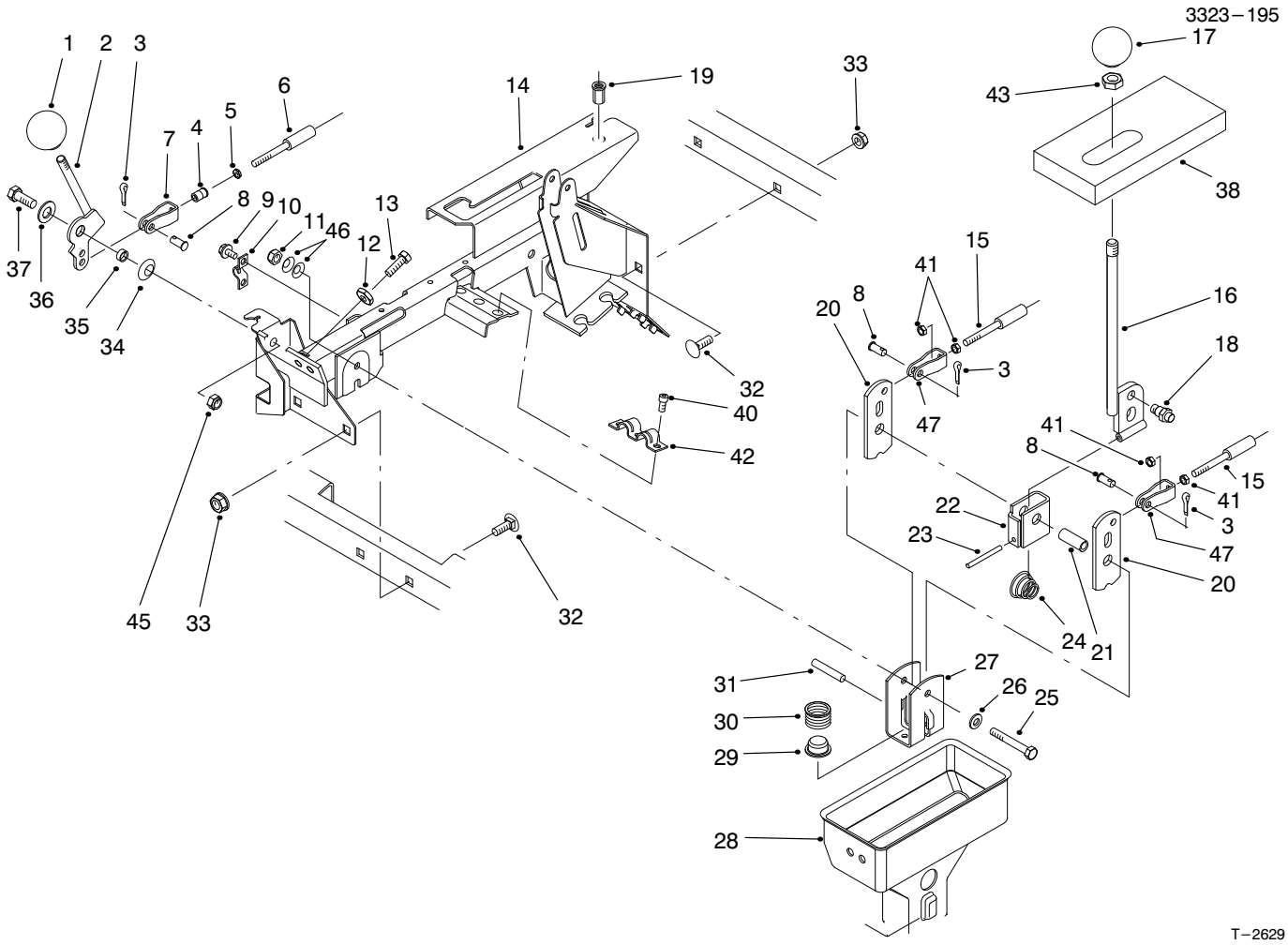


T−3287

SEAT BACK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	74−0720	Tube − Manual	1
2	3230−18	Bolt − Carriage	8
3	2412−133	Clamp − R	2
10	3290−357	Nut − Flange Lock	4
11	87-2510-03	Bracket − Seat Frame	2
12	323−6	Screw − Cap Hex. Hd.	2
13	3253−21	Washer − Lock	2
14	87-6170-03	Frame − Seat	1
15	325−4	Screw − Cap Hex. Hd.	2

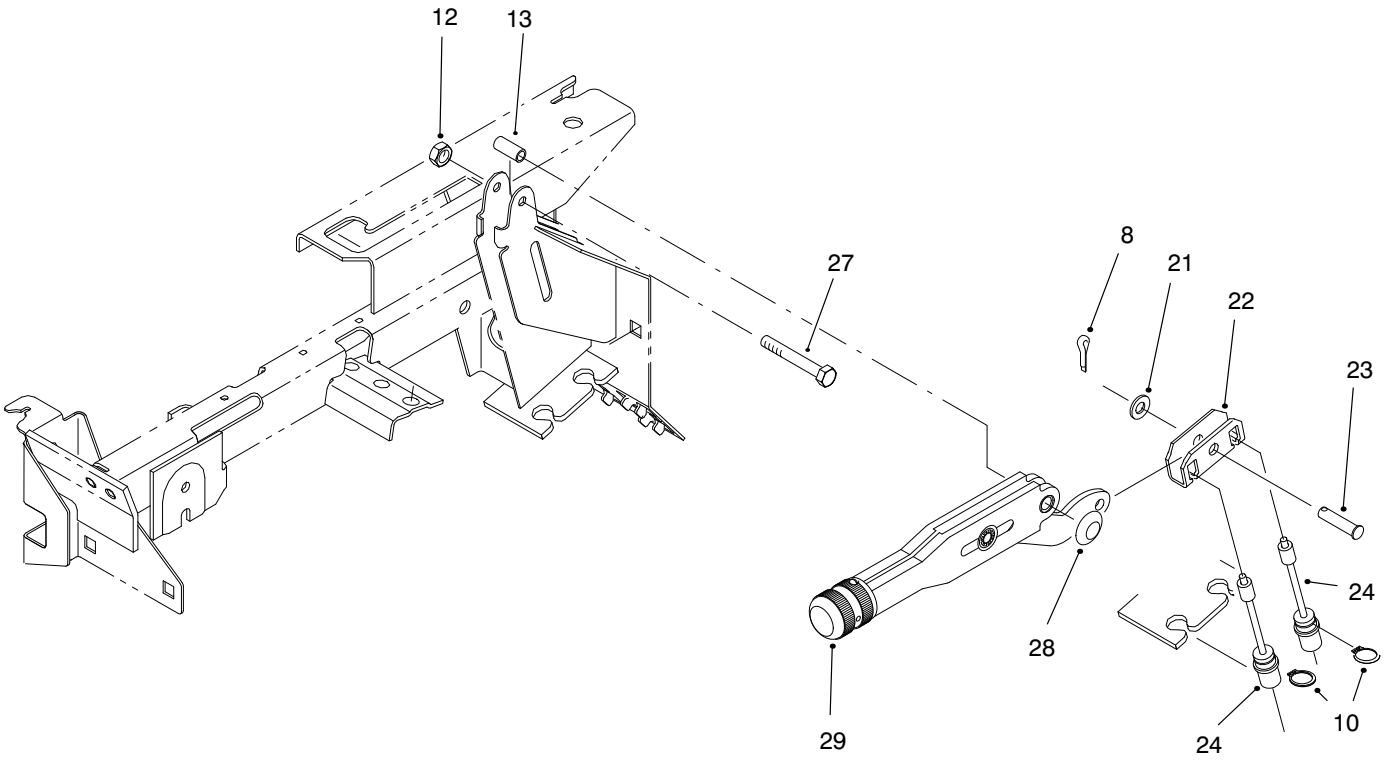
Ref. No.	Part No.	Description	No. Used
16	3296−23	Nut − Lock	2
17	87−6290	Cushion − Seat Back	2
18	87−6280	Plate − Seat Back	2
19	3256−22	Washer − Flat	8
20	321−4	Screw − Cap Hex. Hd.	8
21	32128−20	Nut − Flange Lock	8
22	3231−21	Bolt − Carriage	4
23	87-6240-03	Bracket − Seat Back	4



HI−LO SHIFT LEVER ASSEMBLIES

Ref. No.	Part No.	Description	No. Used
1	233−37	Knob	1
2	87−4350	Lever − Hi−Lo	1
3	3272−6	Pin − Cotter	3
4	32148−15	Insert − Threaded	1
5	3219−14	Nut	1
6	93−7106	Hi−Lo Cable Assembly (Incl. Ref. #5)	1
7	87−7160	Assembly − Clevis, Cable (Incl. Ref. #4)	1
8	283−62	Pin − Clevis	3
9	32144−4	Screw − Hex. Washer Hd.	2
10	87−4340	Clamp − Cable	1
11	3296−58	Nut − Lock	1
12	3220−3	Nut − Jam	2
13	3211−8	Screw − Cap Hex. Hd.	2
14	94−5202	Lever Support Assembly (Incl. Ref. #19)	1
15	93−7105	Cable Assembly (Incl. Ref. #41)	2
16	87−2040	Lever − Shift	1
17	87−6720	Knob	1
18	87−3650	Pin − Shift	1
19	32148−7	Nut − Clinch	2
20	87−3540	Link − Shift	2
21	87−2520	Tube − Pivot	1

Ref. No.	Part No.	Description	No. Used
22	87−6040	Bracket − Shifter	1
23	32121−48	Pin − Roll	1
24	87−2900	Spring − Compression	1
25	322−12	Screw − Cap Hex. Hd.	1
26	87−8640	Washer − Flat	1
27	87−3520	Clevis	1
28	87−2260	Boot − Shift Lower	1
29	87−3530	Button − Shifter	1
30	87−3660	Spring − Compression	1
31	3290−507	Pin − Dowel	1
32	3231−21	Bolt − Carriage	4
33	3290−357	Nut − Flange Lock	4
34	3290−221	Washer − Spring	1
35	76−9100	Spacer − Hi−Lo Lever	1
36	49−9150	Washer − Flat	1
37	323−6	Screw − Cap Hex. Hd.	1
38	87−6570	Foam − Seal	1
40	65−5220	Screw − Hex. Socket Hd.	3
41	3220−1	Nut − Jam	4
42	87−4960	Clamp − Cable	1
43	3218−18	Nut − Jam	1
45	3296−39	Nut − Lock	1
46	3290−456	Washer − Belleville	2
47	87−2310	Clevis − Cable	2

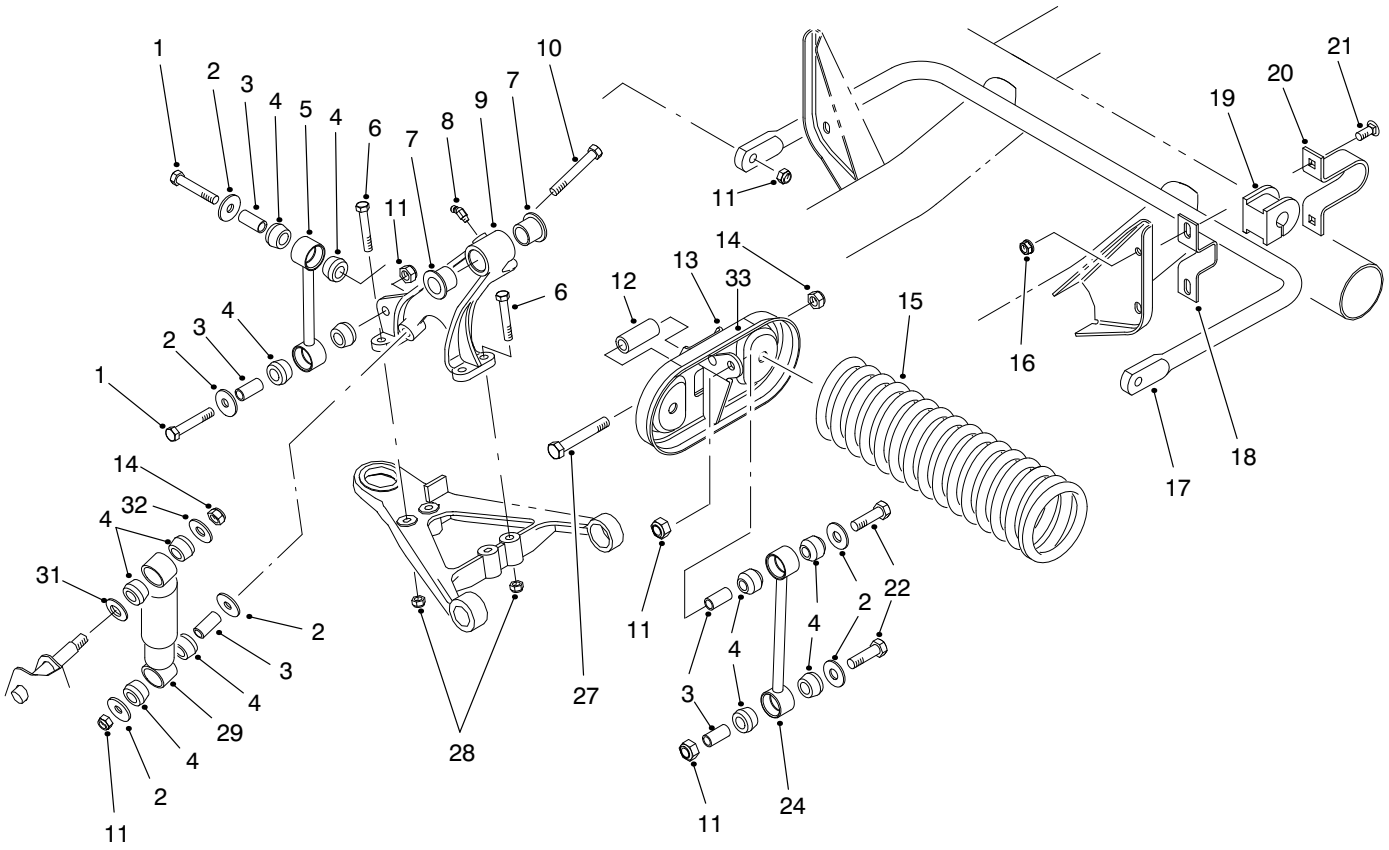


T−3288

DIFFERENTIAL LOCK & PARKING BRAKE ASSEMBLIES

Ref. No.	Part No.	Description	No. Used
8	3272−6	Pin − Cotter	1
10	32120−47	Ring − Retaining	2
12	3296−42	Nut − Lock	1
13	87−4710	Spacer − Barking Brake	1
21	3256−23	Washer − Flat	1
22	87−3480	Plate − Brake Equalizer	1

Ref. No.	Part No.	Description	No. Used
23	94−3829	Pin − Clevis	1
24	87−8240	Cable − Parking Brake	2
27	321−9	Screw − Cap Hex. Hd.	1
28	3290−477	Washer − Curved	1
29	87-2710-03	Lever − Parking Brake	1



T−1593−1

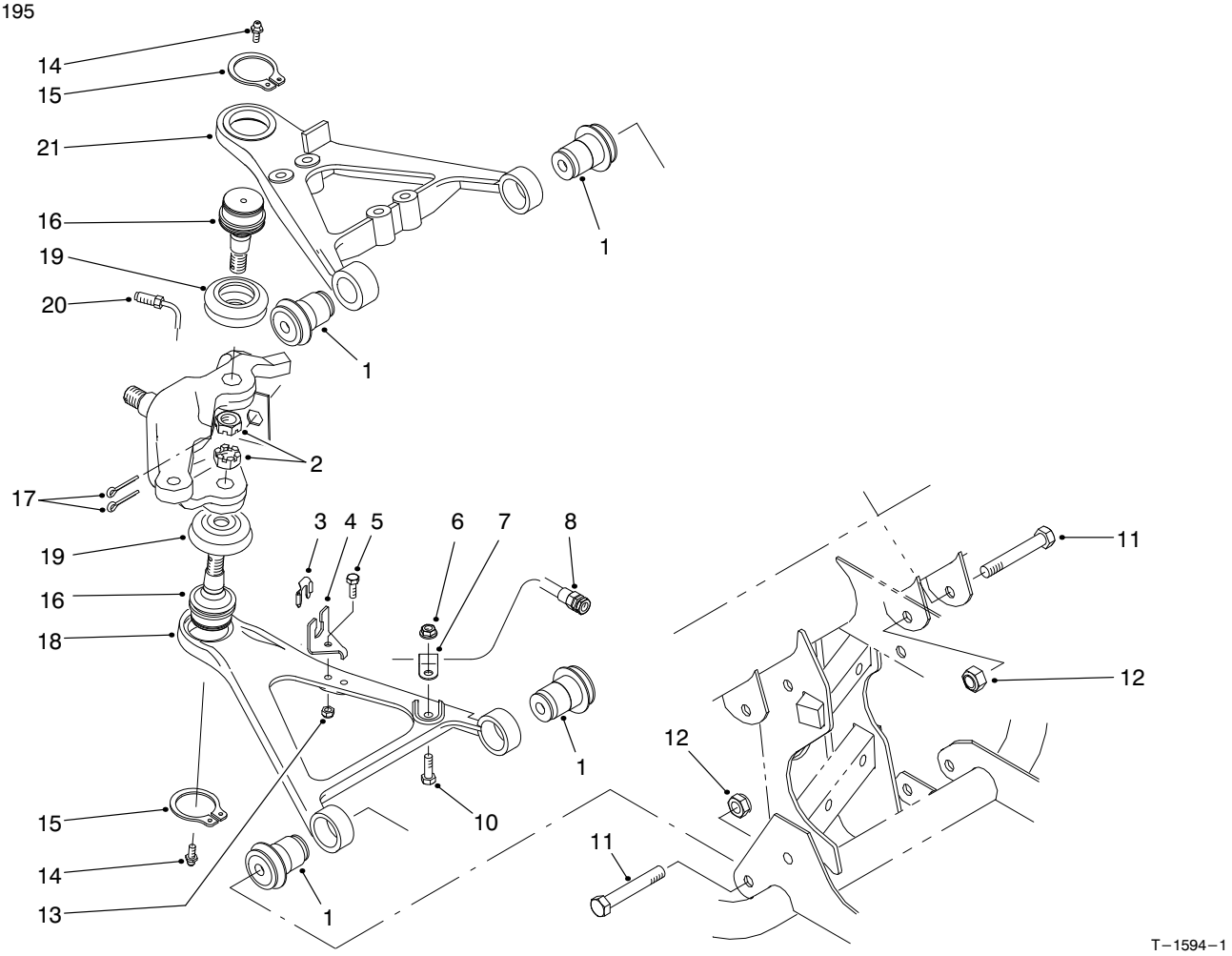
FRONT SUSPENSION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	324−10	Screw − Cap Hex. Hd.	4
2	87−5330	Washer	12
3	87−3600	Spacer	10
4	87−3920	Bushing − Rubber	24
5	87-3860-03	Link − Anti−Sway Bar	2
6	323−12	Screw − Cap Hex. Hd.	8
7	33−3090	Bushing − Flange	4
8	302−11	Fitting − Grease	1
9	87-0150-03	Tower − Control Arm RH	1
*	87-0160-03	Tower − Control Arm LH	1
10	324−13	Screw − Cap Hex. Hd.	2
11	3296−48	Nut − Lock	10
12	87−2500	Sleeve −Spring Pivot	2
13	87−7150	Assembly − Cradle, Spring (Incl. Ref. #33)	2
14	3296−23	Nut − Lock	4

Ref. No.	Part No.	Description	No. Used
15	87-0690-03	Spring − Compression	2
16	3290−357	Nut − Flange Lock	4
17	87-3850-03	Bar − Anti−Sway	1
18	87-3890-03	Bracket − Anti−Sway Bar	2
19	87−3910	Bushing − Anti−Sway Bar	2
20	87-4010-03	Clamp − Anti−Sway Bar	2
21	3231−25	Bolt − Carriage	4
22	324−9	Screw − Cap Hex. Hd.	4
24	87-2480-03	Link − Stabilizer	2
27	325−13	Screw − Cap Hex. Hd.	4
28	3296−39	Nut − Lock	8
29	87−3110	Absorber − Shock	2
31	3256−27	Washer − Flat	2
32	3256−6	Washer − Flat	2
33	44−0760	Decal − Warning	2

*Not Illustrated

3323−195

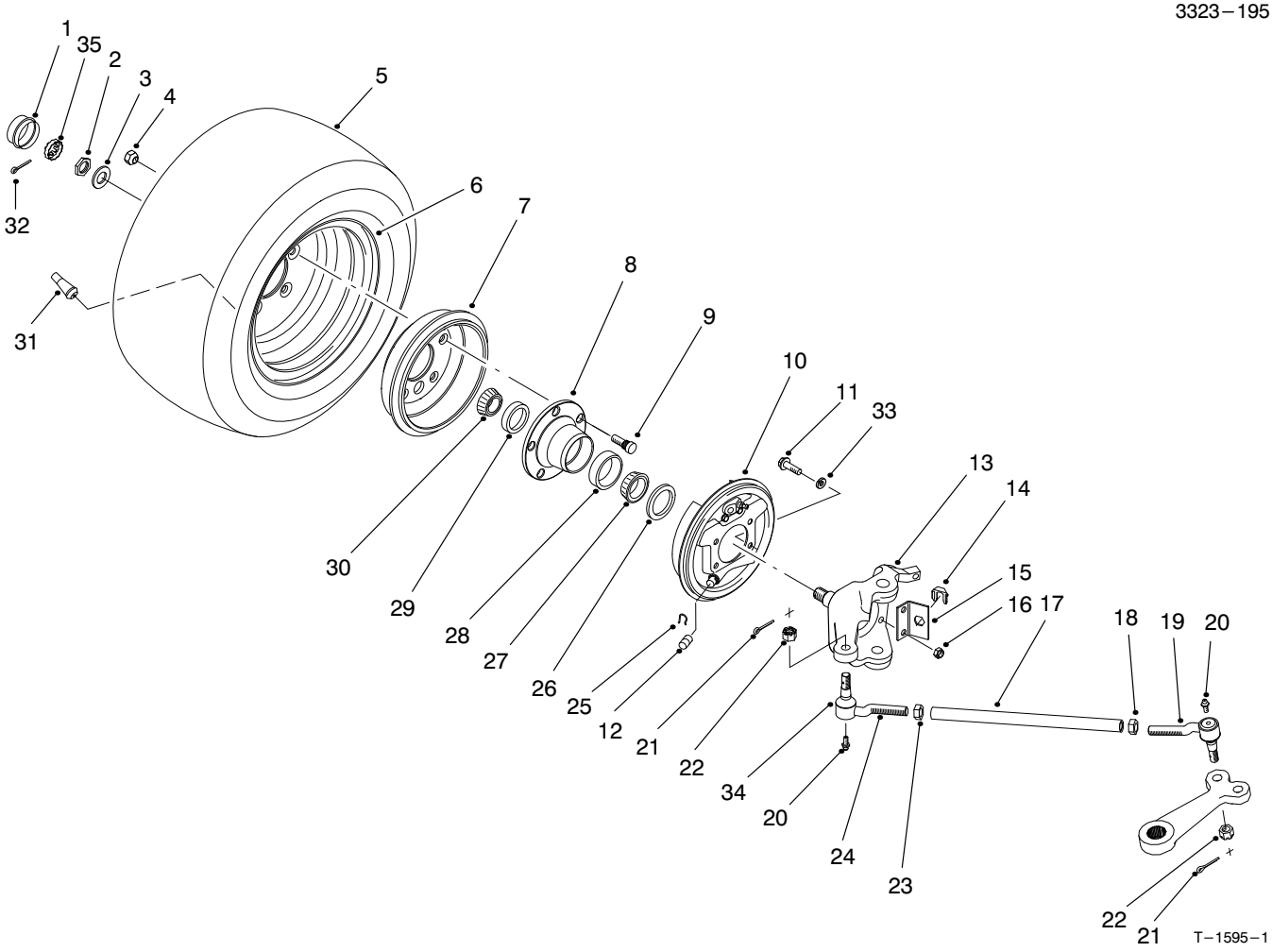


FRONT SUSPENSION CONTROL ARM ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	87−1450	Bushing − Rubber	8
2	32136−2	Nut − Slotted	2
3	87−3580	Retainer − Brake Hose	2
4	87−2870	Bracket − Brake Hose	2
5	321−6	Screw − Cap Hex. Hd.	2
6	32128−20	Nut − Flange Lock	2
7	2412−10	Clamp − R	2
8	93−7123	Hose − Brake Front	2
10	322−5	Screw − Cap Hex. Hd.	2
11	325−13	Screw − Cap Hex. Hd.	8
12	3296−23	Nut − Flange Lock	8
13	3296−42	Nut − Lock	2

Ref. No.	Part No.	Description	No. Used
14	302−5	Fitting − Grease	4
15	32151−104	Ring − Snap	4
16	87−1430	Joint − Ball	4
17	3272−12	Pin − Cotter	4
18	87-0210-03	Arm − Control Lower RH	1
*	87-0220-03	Arm − Control Lower LH	1
19	87−2420	Boot	4
20	87−2800	Tube − Brake RH	1
*	87−2790	Tube − Brake LH	1
21	93-7135-03	Arm − Control Upper RH	1
*	93-7133-03	Arm − Control Upper LH	1

*Not Illustrated



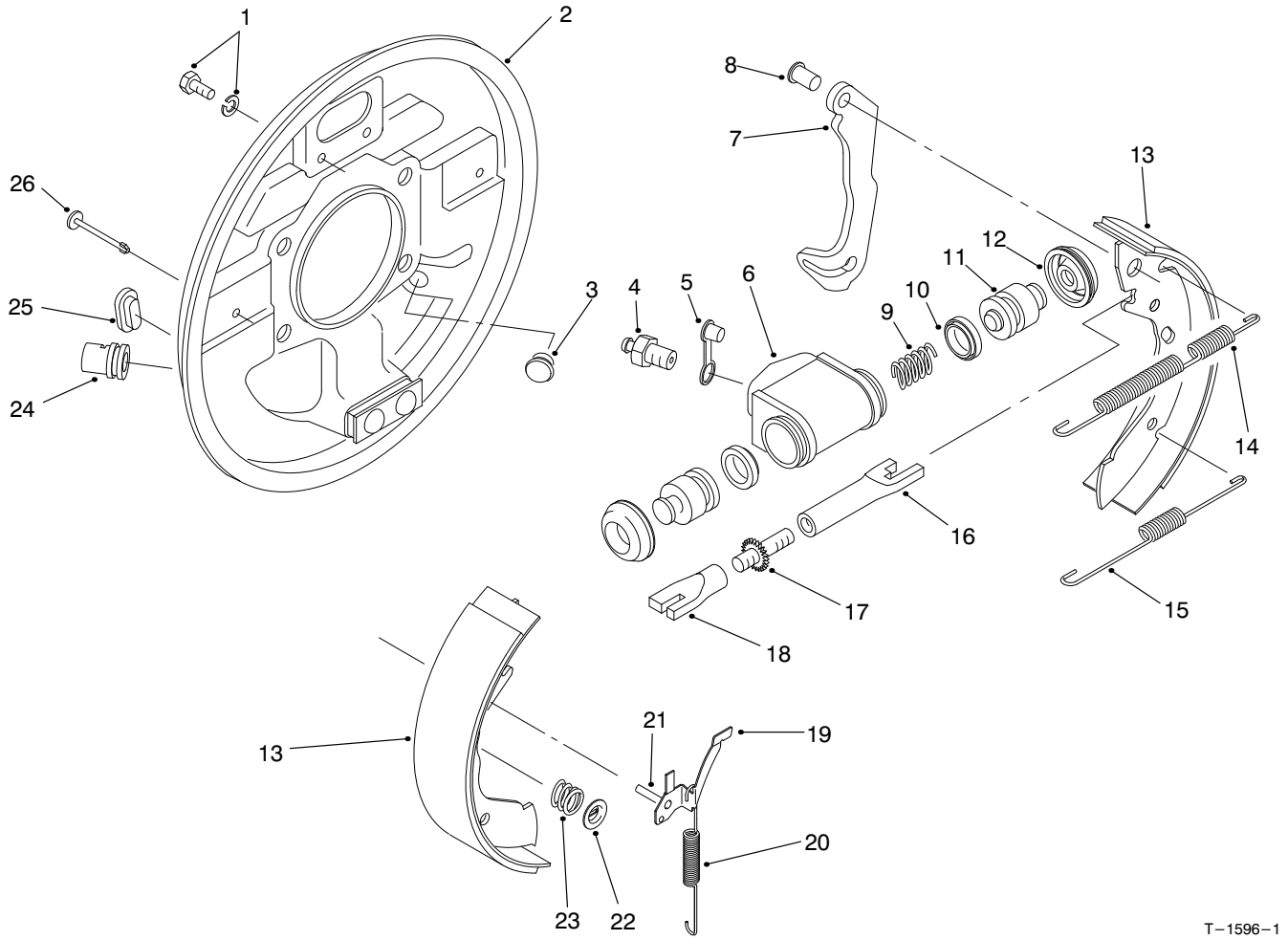
FRONT WHEEL ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	241−119	Cap Dust	2
2	3220−7	Nut − Jam	2
3	93−0309	Washer − Tab	2
4	23−7270	Nut − Lug	10
5	100−4412	Tire	2
6	100−4413	Rim	2
7	87−0270	Drum − Brake	2
8	87−5560	Hub − Wheel	2
9	87−8730	Stud − Drive	10
10	87−3010	Brake Assembly − RH	1
*	87−3020	Brake Assembly − LH	1
11	323−8	Screw − Hex. Flange Hd.	8
12	87−3450	Plug	2
13	87-9430-03	Spindle − RH	1
*	87-9440-03	Spindle − LH	1
14	87−3580	Retainer	2
15	87−2820	Bracket − Hose	2
16	3296−39	Nut − Lock	8
17	87-2410-03	Rod − Tie	2
18	3218−21	Nut − Jam	2
19	87-1470-03	Rod End Assy. − LH Thread (Incl. Ref. # 20−22 & 34)	2
*19	94−3804	Rod End Assy. LH Thread (Incl. Ref. #21, 22 & 34) Heavy Duty (Optional)	2

Ref. No.	Part No.	Description	No. Used
20	302−5	Fitting − Grease	4
21	3272−12	Pin − Cotter	4
22	32136−3	Nut − Slotted	4
23	3220−11	Nut − Jam	2
24	87-1480-03	Rod End Assy. − RH Thread (Incl. Ref. #20−22 & 34)	2
*	94−3807	Rod End Assy. RH Thread (Incl. Ref. #21, 22 & 34) Heavy Duty (Optional)	2
25	87−3310	Clip − Brake Cable	2
26	87−3590	Seal − Bearing	2
27	254−106	Cone − Bearing	2
28	254−107	Cup − Bearing	2
29	254−72	Cup − Bearing	2
30	254−94	Cone − Bearing	2
31	232−27	Stem − Valve	2
32	3272−12	Pin − Cotter	2
33	3253−21	Washer − Lock	8
34		Seal − Rod End	4
35	93−0307	Nut − Retainer	2
*	87−5340	Seal Kit − Tie Rod End (Incl. Ref. #20−22 & 34)	4

*Not Illustrated

3323−195



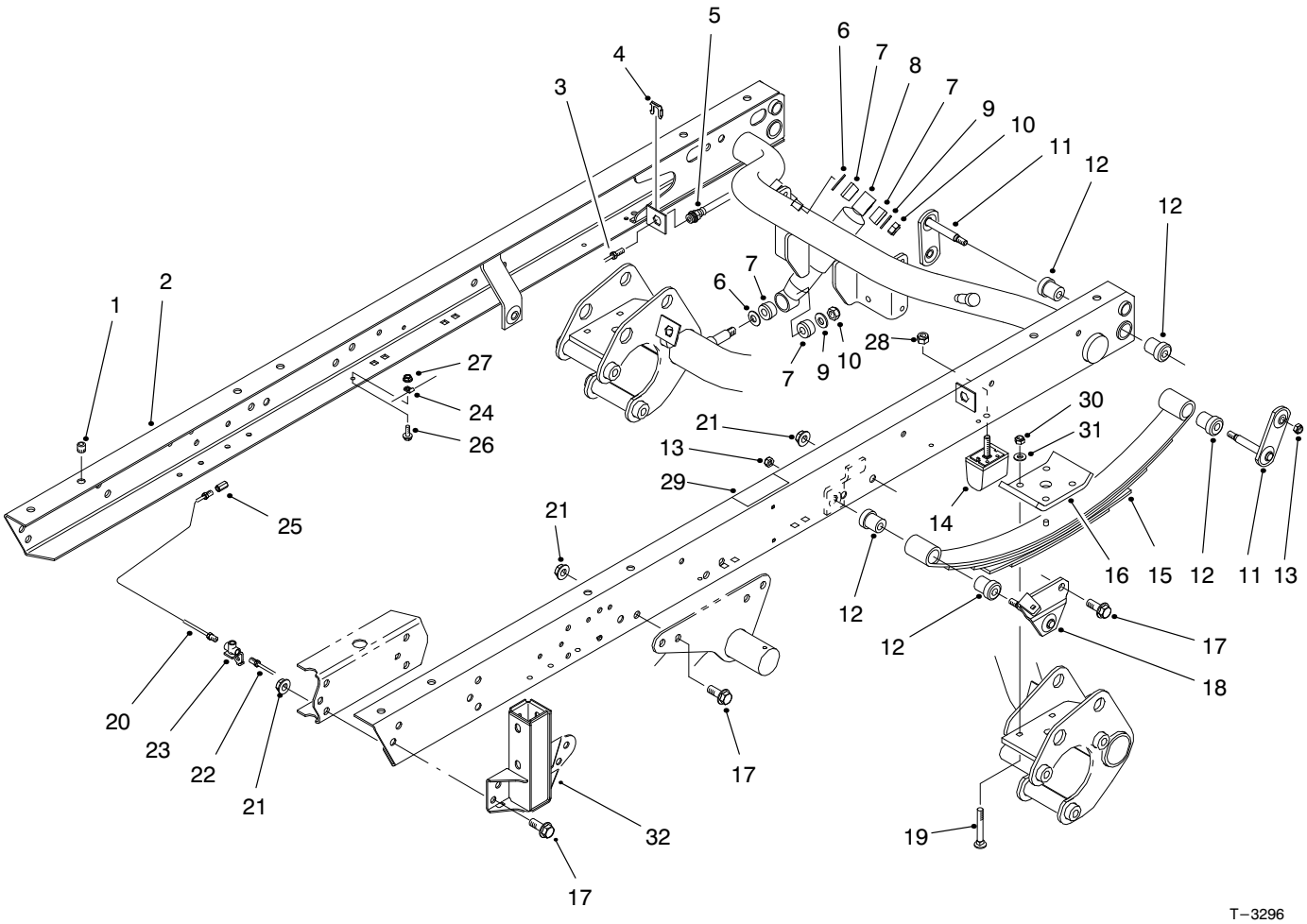
T−1596−1

FRONT BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92−4135	Set Bolt	2
2	92−4115	Backplate Assembly LH (Incl. Ref. #24)	1
*	92−4116	Backplate Assembly RH (Incl. Ref. #24)	1
3	92−4125	Plug	1
4	92−4113	Screw − Bleed	1
5	92−4114	Cap − Bleed Screw	1
6		Body	1
7		Lever − Operating LH/RH	1
8		Pin	1
9		Spring	1
10		Seal − 'L' Type	2
11		Piston	2
12		Cover − Dust	2
13	92−4120	Shoe & Lining Set (Incl. Ref. #7 & 8)	1
14	92−4126	Spring − Shoe, Upper LH	1
*	92−4127	Spring − Shoe, Upper RH	1
15	92−4128	Spring − Shoe, Lower	1
16		Pushrod − Female LH	1
*		Pushrod − Female RH	1
17		Bolt − Adjuster	1
18		Sleeve − Adjuster	1

Ref. No.	Part No.	Description	No. Used
19	92−4123	Assembly − Pawl LH (Incl. Ref. #21)	1
*	92−4124	Assembly − Pawl RH (Incl. Ref. #21)	1
20	92−4129	Spring − Adjuster, LH	1
*	92−4130	Spring − Adjuster, RH	1
21		Pin − Pawl	1
22	92−4131	Washer − Hold Down	2
23	92−4132	Spring − Hold Down	2
24		Guide − Pipe	1
25	92−4134	Plug − Inspection	1
26	92−4133	Pin − Hold Down	2
*	92−4121	Assembly − Adjuster LH (Inc. Ref. #16−18)	1
*	92−4122	Assembly − Adjuster RH (Incl. Ref. #16−18)	1
*	92−4117	Assy. − Wheel Cylinder LH (Incl. Ref. #4−6 & 9−12)	1
*	92−4118	Assy. − Wheel Cylinder RH (Incl. Ref. #4−6 & 9−12)	1
*	92−4119	Kit − Seal (Incl. Ref. #10 & 12)	1
*	87−3010	Front Brake Assembly − RH (Complete)	1
*	87−3020	Front Brake Assembly − LH (Complete)	1

*Not Illustrated



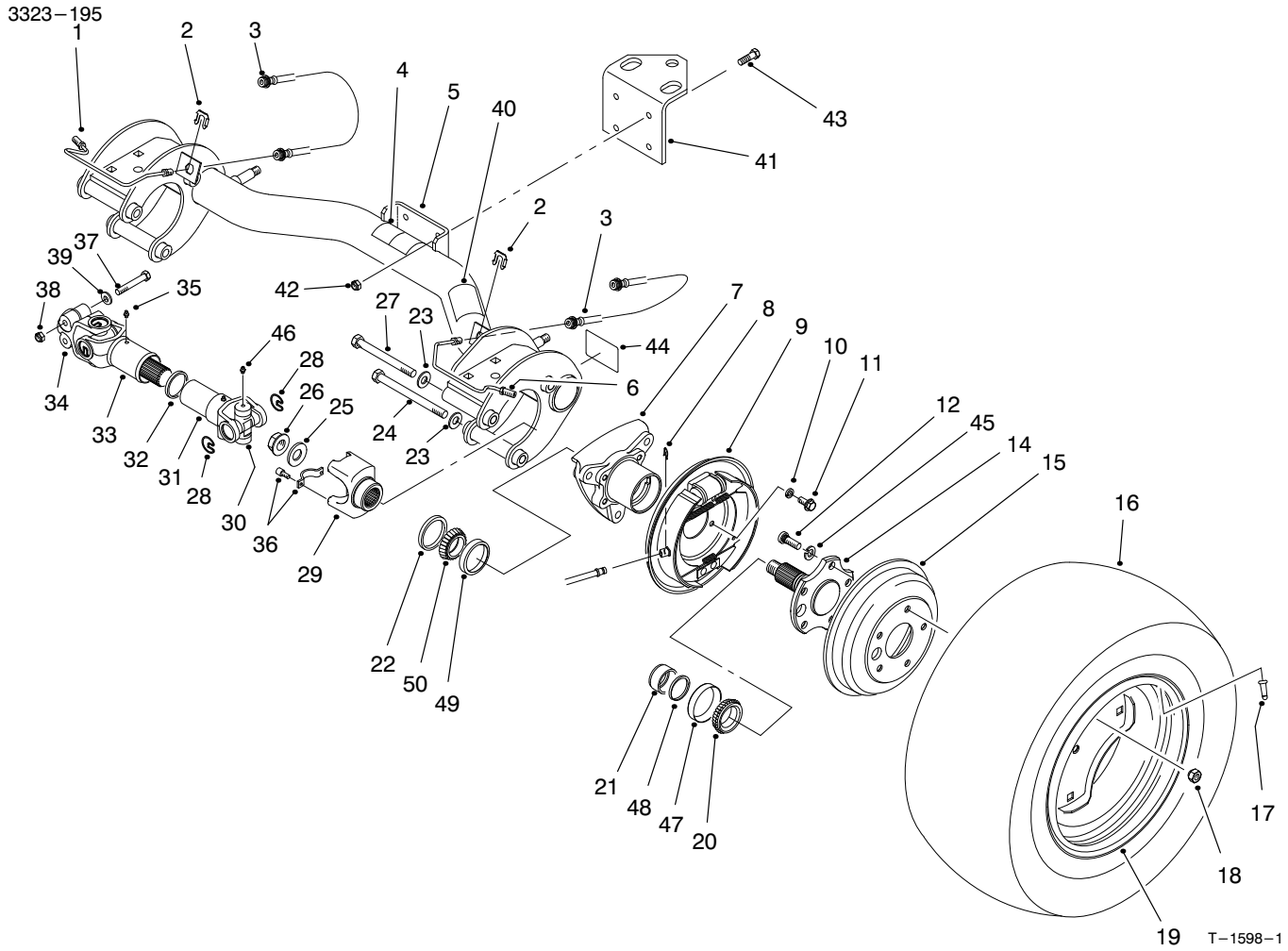
T−3296

REAR FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	32148−9	Insert − Threaded	8
2	87−8440	Assembly − Rear Frame (Incl. Ref. #1 & 32)	1
3	94−3846	Tube − Brake RH	1
*	94−3844	Tube − Brake LH	1
4	87−3580	Retainer	2
5	87−4100	Hose − Brake	2
6	3256−27	Washer − Flat	4
7	87−3920	Bushing − Rubber	8
8	87−3110	Shock Absorber	2
9	3256−6	Washer − Flat	4
10	3296−23	Nut − Lock	4
11	87−3980	Shackle − Spring	4
12	87−4760	Bushing	12
13	3296−39	Nut − Lock	6
14	87−3470	Bumper − Spring	2
15	87−1490	Spring − Leaf	2
16	87-7470-03	Plate − Clamp	2

Ref. No.	Part No.	Description	No. Used
17	3234−38	Screw − Hex. Flange Hd.	24
18	87−3960	Mount − Spring LH	1
*	87−3940	Mount − Spring RH	1
19	3232−17	Bolt − Carriage	8
20	94−3845	Tube − Brake RH	1
21	32128−23	Nut − Flange Lock	24
22	94−3843	Tube − Brake LH	1
23	87−3560	Tee − Brake Tube	1
24	2412−149	Clamp − Tube	4
25	87−3570	Union − Brake Line	2
26	3234−4	Screw − Hex. Flange Hd.	4
27	32128−33	Nut − Flange Lock	4
28	48−9520	Nut − Lock	2
29	66−6840	Decal − Caution	2
30	3296−76	Nut − Lock	8
31	87−7480	Washer − Flat	8
32	87-6950-03	Receiver−LH	1
*33	87-6960-03	Receiver−RH	1

*Not Illustrated

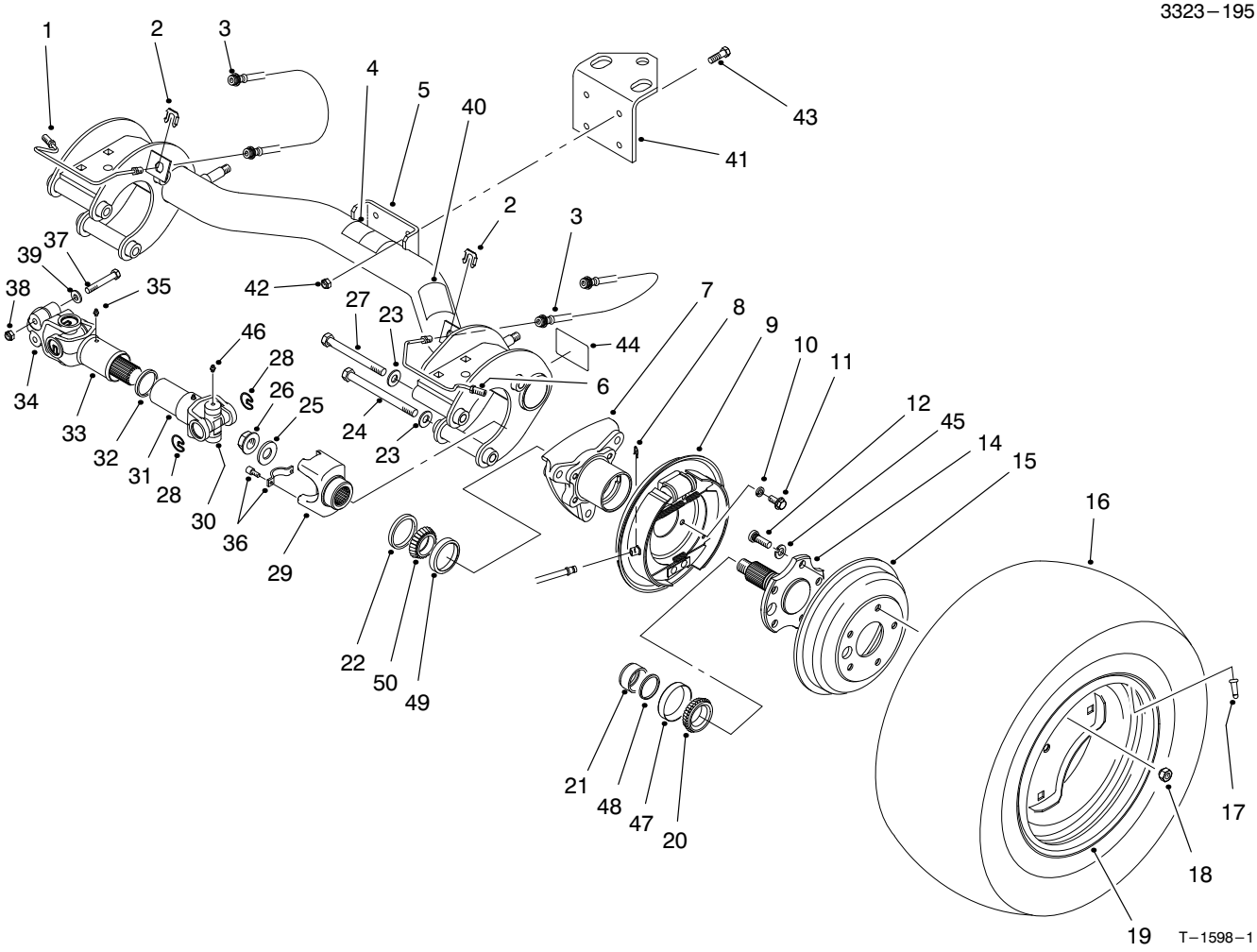


REAR AXLE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	87−4090	Tube − Brake RH	1
2	87−3580	Retainer − Brake Hose	2
3	87−4100	Hose − Brake	2
4	87−6060	Decal − ATF	1
5	87−7110	Assembly − Axle, Rear (Incl. Ref. #4, 40 & 44)	1
6	87−4080	Tube − Brake LH	1
7	87-2240-03	Housing − Axle	2
8	87−3310	Clip − Brake Cable	2
9	93−7126	Brake Assembly LH	1
*	93−7125	Brake Assembly RH	1
10	3253−21	Washer − Lock	8
11	323−6	Screw − Cap Hex. Hd.	8
12	87−2080	Stud − Drive	10
14	93-7090-03	Stub − Axle	2
15	93−7128	Drum − Brake	2
16	100−4414	Tire − Rear	2
17	232−27	Valve − Stem	2
18	23−7270	Nut − Lug	10
19	100−4415	Rim − Rear	2
†20		Cone − Bearing	2
21	87−4060	Spacer − Bearing	2
22	87−3590	Seal − Bearing	2
23	87−7270	Washer − Flat	6
24	325−20	Screw − Cap Hex. Hd.	5
25	87−3060	Washer − Flat	2
26	32128−53	Nut − Flange Lock	2

Ref. No.	Part No.	Description	No. Used
27	325−19	Screw − Cap Hex. Hd.	1
28	92−4188	Ring − Snap	12
29	92−4190	Yoke − End	2
30	92−4187	Cross & Bearing Kit	4
31	92−4182	Yoke & Hub	2
32	92−4180	Seal	2
33	92−4179	Yoke, Shaft & Seal Tube	2
34	98−2940	Yoke − Double Clamp	2
35	302−5	Fitting − Grease	2
36	92−4189	Strap & Bolt Kit	2
37	98−2939	Screw − Cap Hex. Hd.	4
38	32128−36	Nut − Lock	4
39	80−6990	Washer	4
40	87−5990	Decal − PTO	1
41	92-5951-03	Angle − Hitch	1
42	3296−39	Nut − Lock	4
43	323−7	Screw − Cap Hex. Hd.	4
44	87−9080	Decal − Grease	2
45	3253−6	Washer − Lock	10
46	302−58	Fitting − Grease	16
†47		Cup − Bearing	2
†48		Spacer	2
†49		Cup − Bearing	2
†50		Cone − Bearing	2
*51	98−2918	Driveshaft Assembly (Incl. Ref. #28, 30−35 & 46)	2

*Not Illustrated
†Not Serviced Separately.



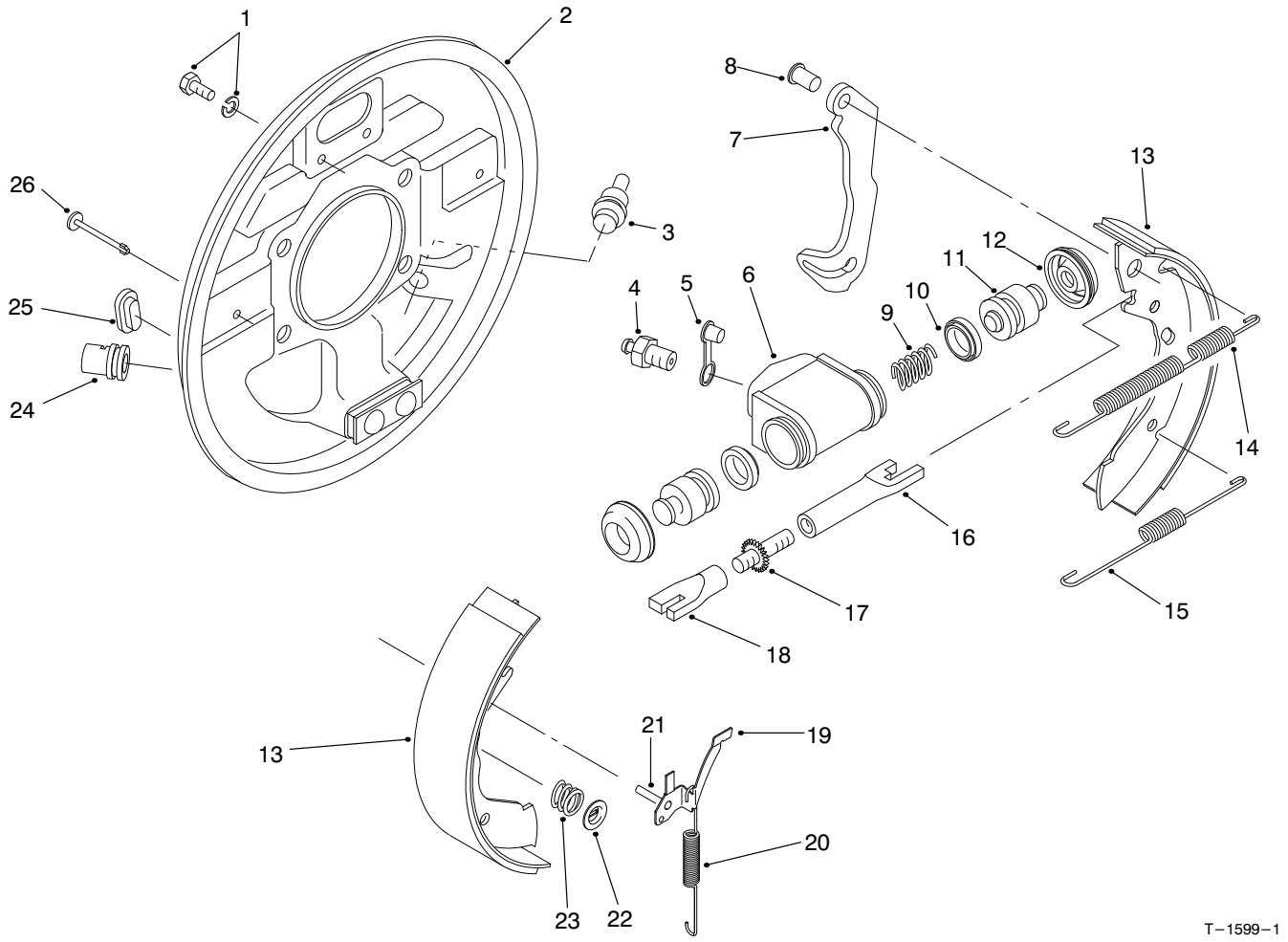
REAR AXLE ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
*	99–9429	Rear Tire & Wheel Assembly	2
*	87–1970	Bearing–Matched Set (Use 1 set per wheel) (Incl. Ref. #20 & 47–50)	2
*	98–2969	1/2 Yoke Kit (Incl. Ref. #29 & 36)	2

Ref. No.	Part No.	Description	No. Used
*	98–2967	Driveshaft Assembly Kit (Incl. Ref. #37 & 51)	2
*	98–2968	Yoke Kit (Incl. Ref. #34 & 37)	2

*Not Illustrated

3323−195



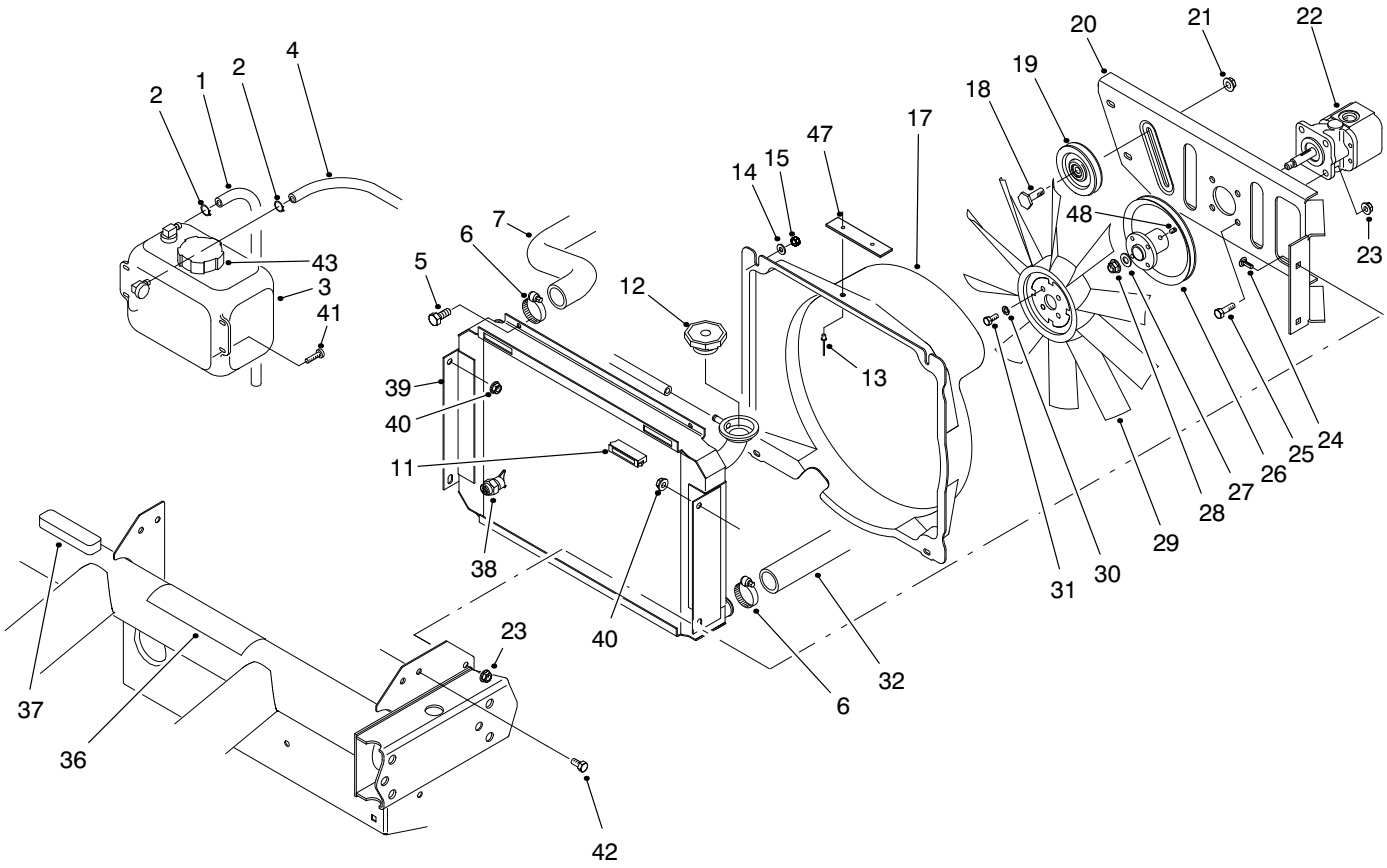
T−1599−1

REAR BRAKE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92−4135	Set Bolt	2
2	92−4136	Backplate Assembly LH (Incl. Ref. #24)	1
*	92−4100	Backplate Assembly RH (Incl. Ref. #24)	1
3	92−4146	Plug	1
4	92−4137	Screw − Bleed	1
5	92−4114	Cap − Bleed Screw	1
6		Body	1
7		Lever − Operating LH/RH	1
8		Pin	1
9		Spring	1
10		Seal − 'L' Type	2
11		Piston	2
12		Cover − Dust	2
13	92−4143	Shoe & Lining Set (Incl. Ref. #7 & 8)	1
14	92−4147	Spring − Shoe, Upper LH	1
*	92−4148	Spring − Shoe, Upper RH	1
15	92−4149	Spring − Shoe, Lower	1
16		Pushrod − Female LH	1
*		Pushrod − Female RH	1
17		Bolt − Adjuster	1
18		Sleeve − Adjuster	1

Ref. No.	Part No.	Description	No. Used
19	92−4123	Assembly − Pawl LH (Incl. Ref. #21)	1
*	92−4124	Assembly − Pawl RH (Incl. Ref. #21)	1
20	92−4150	Spring − Adjuster, LH	1
*	92−4151	Spring − Adjuster, RH	1
21		Pin − Pawl	1
22	92−4131	Washer − Hold Down	2
23	92−4152	Spring − Hold Down	2
24		Guide − Pipe	1
25	92−4134	Plug − Inspection	1
26	92−4133	Pin − Hold Down	2
*	92−4144	Assembly − Adjuster LH (Inc. Ref. #16−18)	1
*	92−4145	Assembly − Adjuster RH (Incl. Ref. #16−18)	1
*	92−4140	Assy. − Wheel Cylinder LH (Incl. Ref. #4−6 & 9−12)	1
*	92−4141	Assy. − Wheel Cylinder RH (Incl. Ref. #4−6 & 9−12)	1
*	92−4142	Seal Kit (Incl. Ref. #10 & 12)	1
*	93−7125	Rear Brake Assembly − RH (Complete)	1
*	93−7126	Rear Brake Assembly − LH (Complete)	1

*Not Illustrated

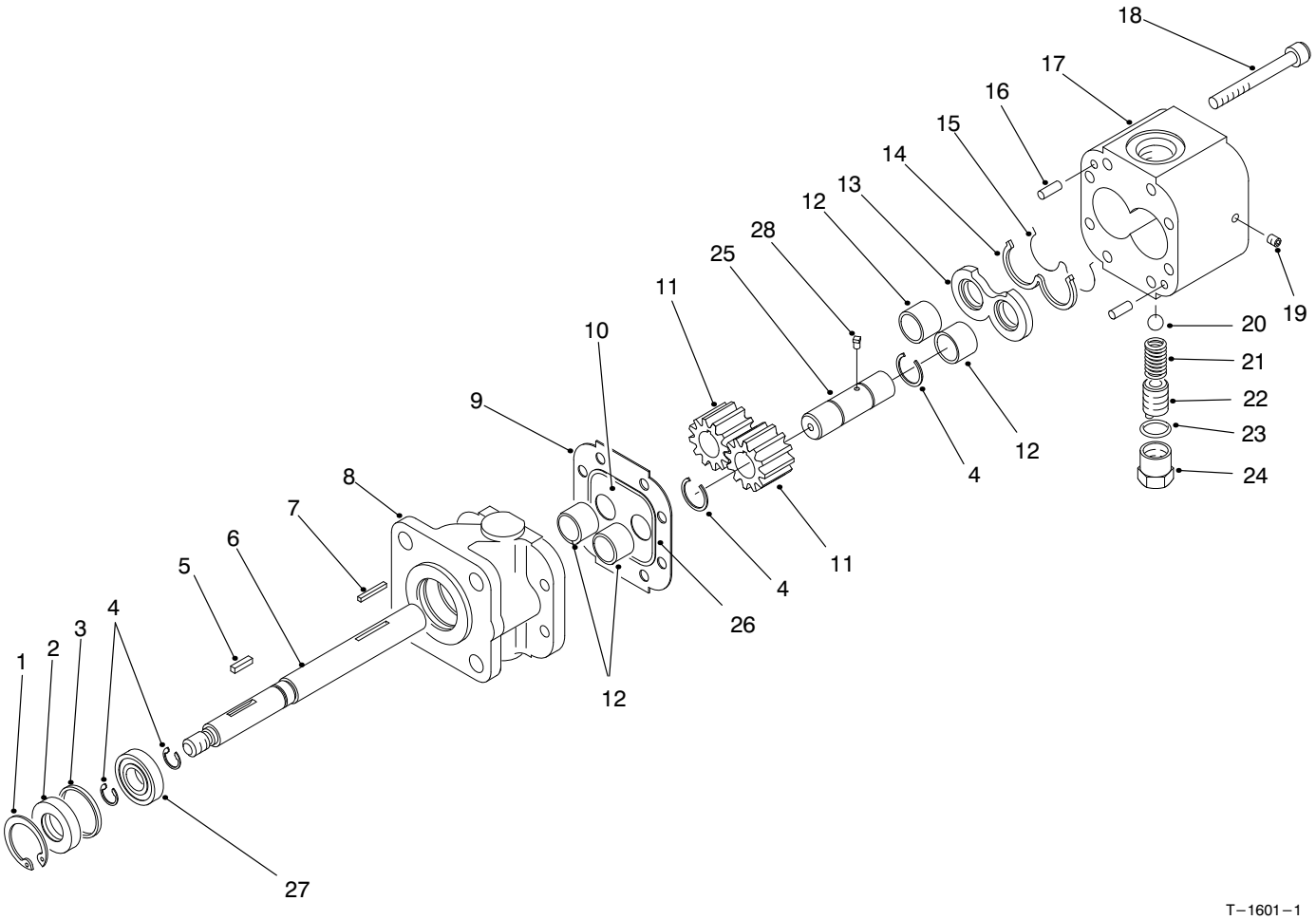


T−3294

RADIATOR & HYDRAULIC PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	71−3381	Tube − Overflow	2
2	92−2379	Clamp − Hose	2
3	87−3710	Overflow Reservoir Assembly (Incl. Ref. #43)	1
4	71−3383	Hose − Overflow	1
5	321−4	Screw − Cap Hex. Hd.	4
6	2412−34	Clamp − Hose	2
7	87−7330	Hose − Radiator Upper	1
12	66−3240	Cap − Radiator	1
13	3290−271	Rivet − Pop	2
14	3256−22	Washer − Flat	4
15	3296−42	Nut − Lock	4
17	92−4198	Fan Shroud Assembly (Incl. Ref. #13 & 47)	1
18	32141−86	Screw − Leveler	1
19	63−8140	Pulley	1
20	93-7088-03	Support − Fan	1
21	3290−357	Nut − Flange Lock	1
22	99−1054	Hydraulic Pump Assembly	1
23	3296−29	Nut − Flange Lock	8

Ref. No.	Part No.	Description	No. Used
24	3230−23	Bolt − Carriage	4
25	322−5	Screw − Cap Hex. Hd.	4
26	94−5237	Pulley	1
27	3256−45	Washer − Flat	1
28	3296−5	Nut − Flange Lock	1
29	84−1880	Fan	1
30	3253−3	Washer − Lock	4
31	321−3	Screw − Cap Hex. Hd.	4
32	87−4150	Hose − Radiator Lower	1
36	87−9420	Decal − Caution	1
37	87−9810	Foam − Overflow Tank	1
38	92−4111	Petcock − Radiator	1
39	93−7051	Radiator Assembly (Incl. Ref. #38)	1
40	32128−20	Nut − Lock	4
41	3250−20	Screw − Round Hd.	4
42	322−2	Screw − Cap Hex. Hd.	4
43	87−7050	Cap − Reservoir	1
47	98−9335	Plate−Warning, Fan	1
48	3245−31	Screw − Set	1



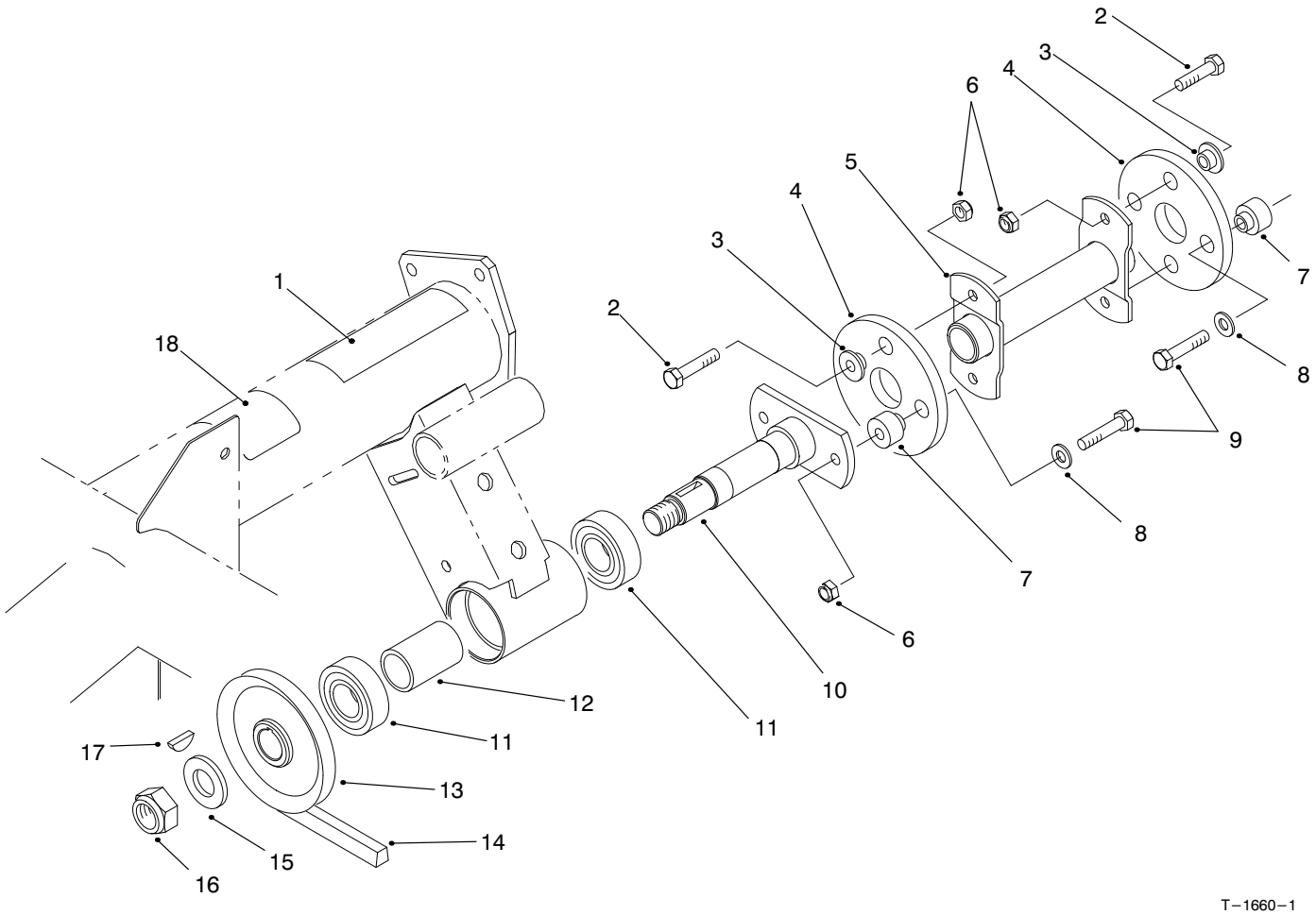
T−1601−1

HYDRAULIC PUMP ASSEMBLY NO. 99−1054

Ref. No.	Part No.	Description	No. Used
1	32151−41	Ring − Retaining	1
2	92−2195	Seal − Oil	1
3	92−2186	Spacer	1
4	92−2178	Ring − Crescent	4
5	92−2179	Key − Square	1
6	92−2189	Shaft − Drive	1
7	92−2177	Pin − Shear	1
†8		Stator	1
9	92−2182	Plate − Seal	1
10	92−2183	Plate − Wear	1
11	92−2175	Gear	2
12	92−2192	Bearing	4
13	92−2181	Plate − Pressure	1
14	92−2197	Seal − Back Up	1

Ref. No.	Part No.	Description	No. Used
15	92−2196	Seal − Pressure Plate	1
16	92−2176	Pin − Dowel	2
17	92−2187	Housing − Gear, End	1
18	92−2173	Screw − Cap Socket Head	8
19	92−2185	Plug	1
20	92−2193	Ball	1
21	99−1060	Spring	1
22	92−2174	Screw − Adjusting	1
23	92−2180	Gasket − Copper	1
24	92−2184	Cap − Relief Valve	1
25	92−2190	Shaft − Idler	1
26	92−2198	Seal	1
27	92−2191	Bearing	1
28	92−2199	Key − Ball	1

† Not Serviced Separately.

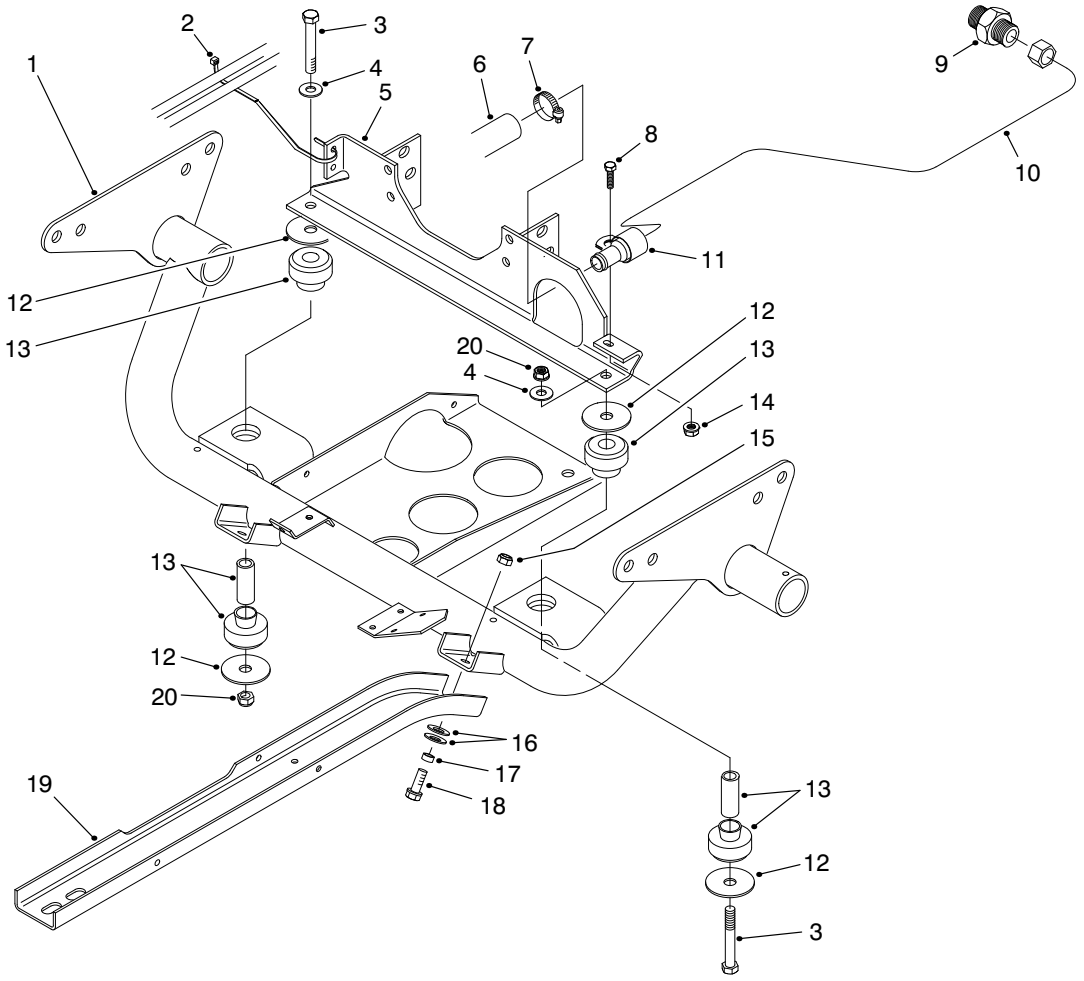


T−1660−1

HYDRAULIC PUMP DRIVE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	80−8040	Decal − Caution	1
2	322−5	Screw − Cap Hex. Hd.	4
3	27−6600	Spacer − Thin	4
4	44−2230	Disc − Rubber	2
5	87-4120-03	Driveshaft	1
6	3296−29	Nut − Lock	6
7	27−6590	Spacer − Thick	4
8	3256−3	Washer − Flat	4
9	322−7	Screw − Cap Hex. Hd.	4

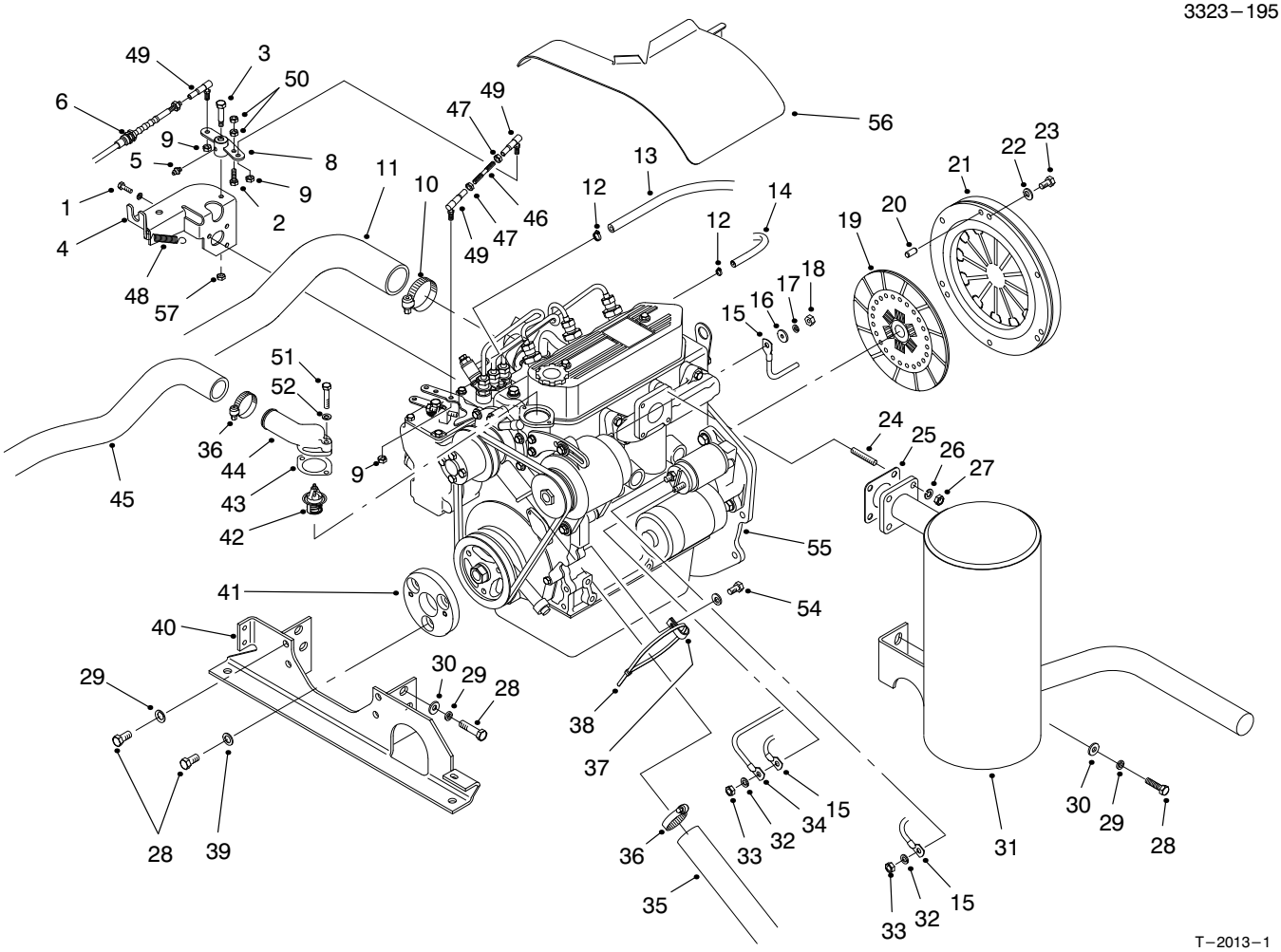
Ref. No.	Part No.	Description	No. Used
10	87-2720-03	Driveshaft	1
11	251−82	Bearing − Ball	2
12	87−2750	Spacer − Bearing	1
13	87-3370-03	Pulley	1
14	93−7140	Belt − V	1
15	3256−28	Washer − Flat	1
16	3296−15	Nut − Lock	1
17	3257−7	Key − Woodruff	1
18	83−9150	Decal − Fluid	1



ENGINE FRAME ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93-7099-03	Frame − Engine	1
2	3290−378	Tie − Cable	1
3	324−12	Screw − Cap Hex. Hd.	2
4	3256−25	Washer − Flat	2
5	93-7100-03	Mount − Engine	1
6	87−7350	Hose − Suction	1
7	2412−34	Clamp − Hose	1
8	321−4	Screw − Cap Hex. Hd.	1
9	87−7290	Fitting − Hydraulic	1
10	87−6900	Tube − Hydraulic	1

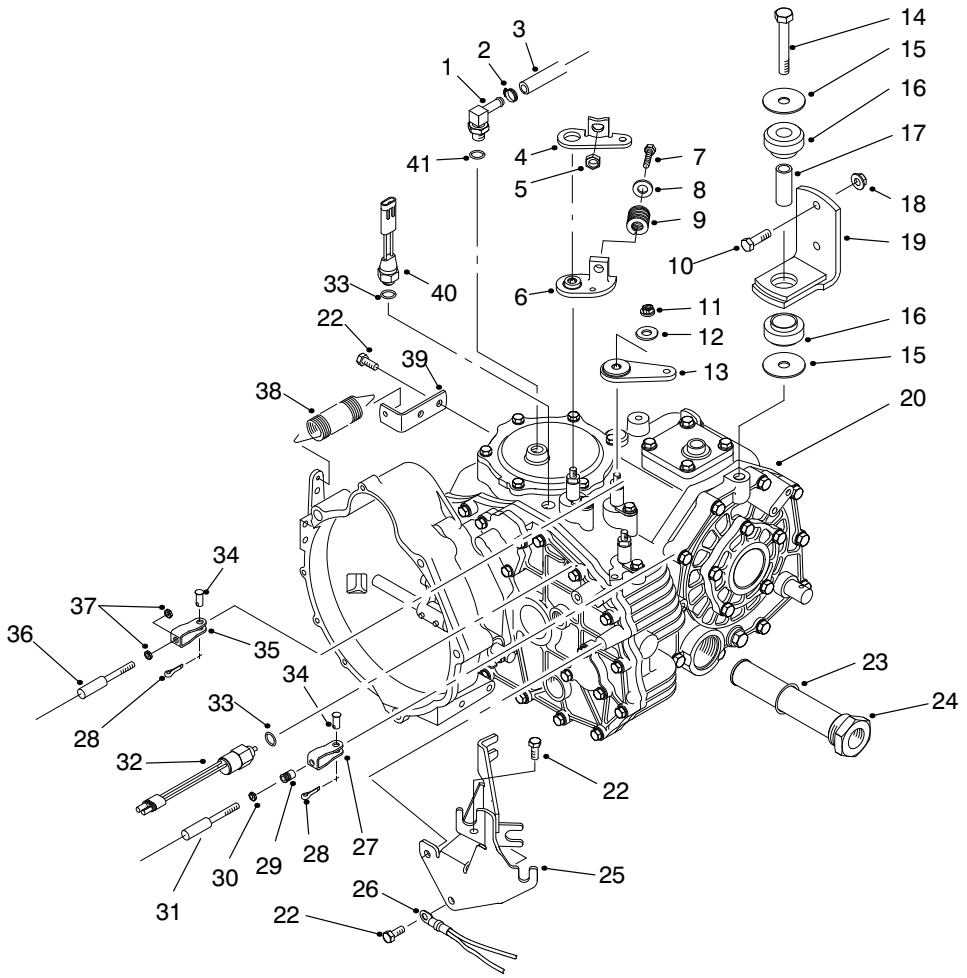
Ref. No.	Part No.	Description	No. Used
11	2412−106	Clamp − R	1
12	87−5100	Washer − Flat	4
13	87−4970	Engine Mount Assembly	2
14	32128−33	Nut − Flange	1
15	3296−39	Nut − Lock	6
16	3290−413	Washer − Belleville	12
17	76−9100	Spacer	6
18	3234−11	Screw − Cap Hex. Hd.	6
19	87-4730-03	Guard − Belly	2
20	3296−48	Nut − Lock	2



ENGINE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	42−9440	Screw − Cap Hex. Hd.	3
2	321−5	Screw − Cap Hex. Hd.	1
3	7−0030	Bolt − Shoulder	1
4	94-5259-03	Bracket − Accelerator	1
5	302−5	Fitting − Grease	1
6	94−3836	Cable − Accelerator	1
8	94-5256-03	Bell Crank	1
9	3296−3	Nut − Lock	3
10	2412−92	Clamp − Hose	1
11	93−8989	Hose − Air Intake	1
12	2412−108	Clamp − Hose	2
13	27−5360	Hose − Fuel	1
14	98−2945	Hose	1
15	99−1114	Harness − Wire	1
16	5−3637	Washer − Flat	1
17	43−5920	Washer − Lock	1
18	48−7880	Nut − Lock	1
19	87−4700	Disc − Clutch	1
20	51−5610	Pin − Alignment	3
21	87−4690	Cover − Clutch	1
22	3253−4	Washer − Lock	6
23	33114−016	Screw − Cap Hex. Hd.	6
24	42−9570	Stud − Muffler	4
25	42−9110	Gasket − Muffler	1
26	42−9850	Washer − Lock	4
27	33014−00	Nut	4
28	63−7790	Screw − Cap Hex. Hd.	12
29	48−9590	Washer − Lock	10

Ref. No.	Part No.	Description	No. Used
30	3256−25	Washer	6
31	94−5213	Muffler	1
32	3254−2	Washer − Lock	2
33	33014−00	Nut − Lock	2
34	87−3070	Cable − Battery Pos.	1
35	87−4150	Hose − Radiator Lower	1
36	2412−34	Clamp	2
37	2412−149	Clamp − R	1
38	3290−379	Tie − Cable	1
39	36−4790	Washer − Thrust	3
40	93−7100	Mount − Engine	1
41	87−4110	Puck − Engine Adapter	1
42	93−8974	Thermostat	1
43	67−4430	Gasket − Thermostat	1
44	87−3410	Housing − Thermostat	1
45	87−7330	Hose − Radiator Upper	1
46	93−8995	Rod − Threaded	1
47	3220−1	Nut − Jam	2
48	86−4760	Spring	3
49	18−1720	Joint − Ball	3
50	3296−56	Nut − Lock	2
51	33113−045	Screw − Cap Hex. Hd.	2
52	33093−00	Washer − Lock	2
54	42−9440	Bolt & Washer	1
55	98−2920	Engine	1
56	98−2946	Cover − Engine	1
57	3296−29	Nut − Lock	1

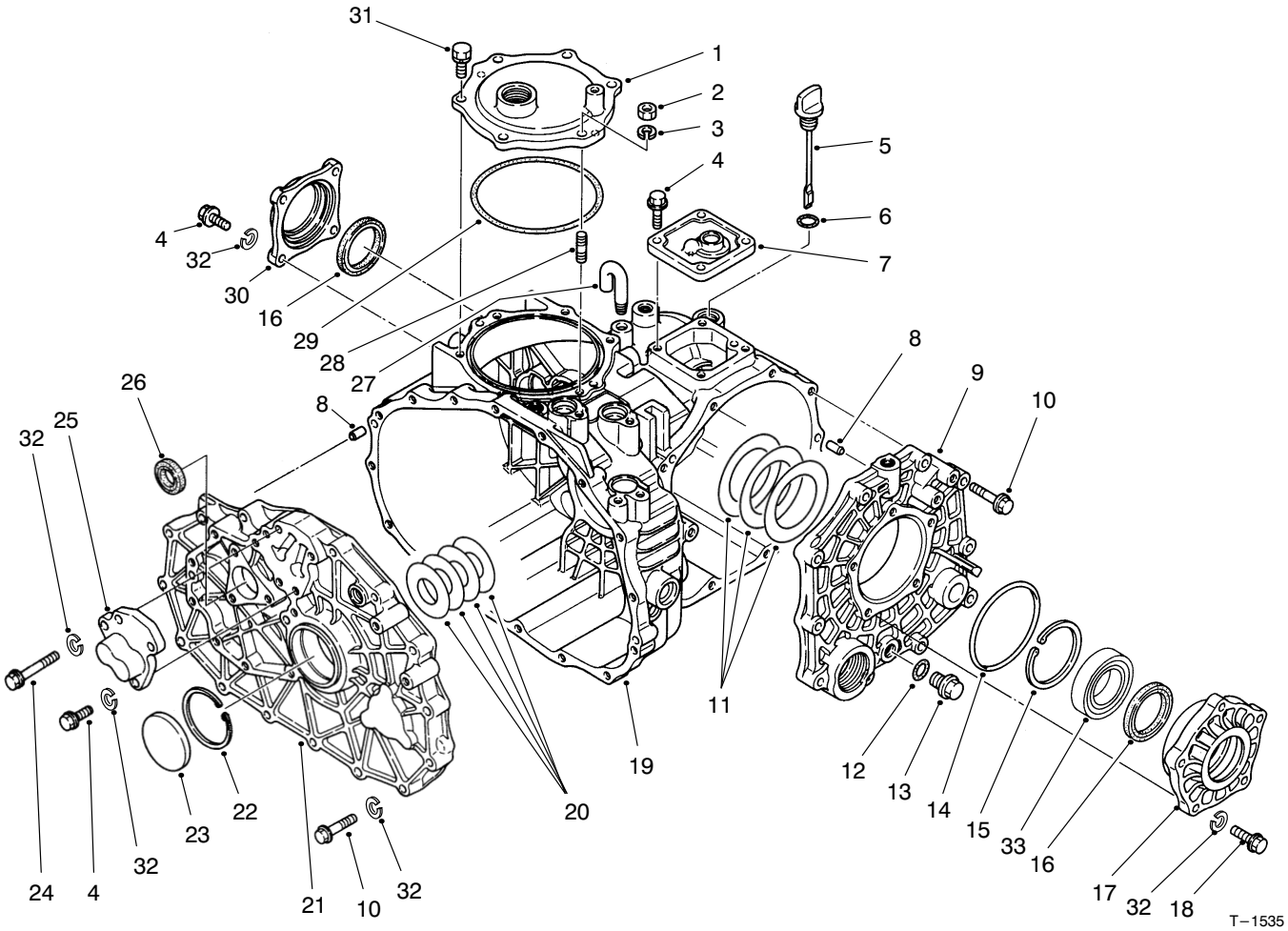


T−1707

TRANSAXLE INSTALLATION ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	354−135	Fitting − Hydraulic 90° (Incl. Ref. #41)	1
2	2412−36	Clamp − Hose	1
3	87−5730	Hose − Hydraulic	1
4	87−8250	Plate − Shift Arm	1
5	32128−21	Nut − Lock	1
6	87−7970	Arm − Shift	1
7	323−10	Screw − Cap Hex. Hd.	1
8	3256−4	Washer − Flat	1
9	87−6910	Spring − Compression	1
10	323−7	Screw − Cap Hex. Hd.	4
11	48−9520	Nut − Lock	3
12	80−6990	Washer − Flat	3
13	87−7960	Lever − Shift Arm	2
14	3215−1	Screw − Cap Hex. Hd.	2
15	87−5100	Washer	4
16	87−4970	Transaxle Mount Assembly (Incl. Ref. #17)	2
17		Spacer − Mount	2
18	3296−39	Nut − Flange Lock	4
19	87-5800-03	Bracket − Mount	2
20	87−9250	Transaxle Assembly	1
22	33114−020	Screw − Cap Hex. Hd.	5

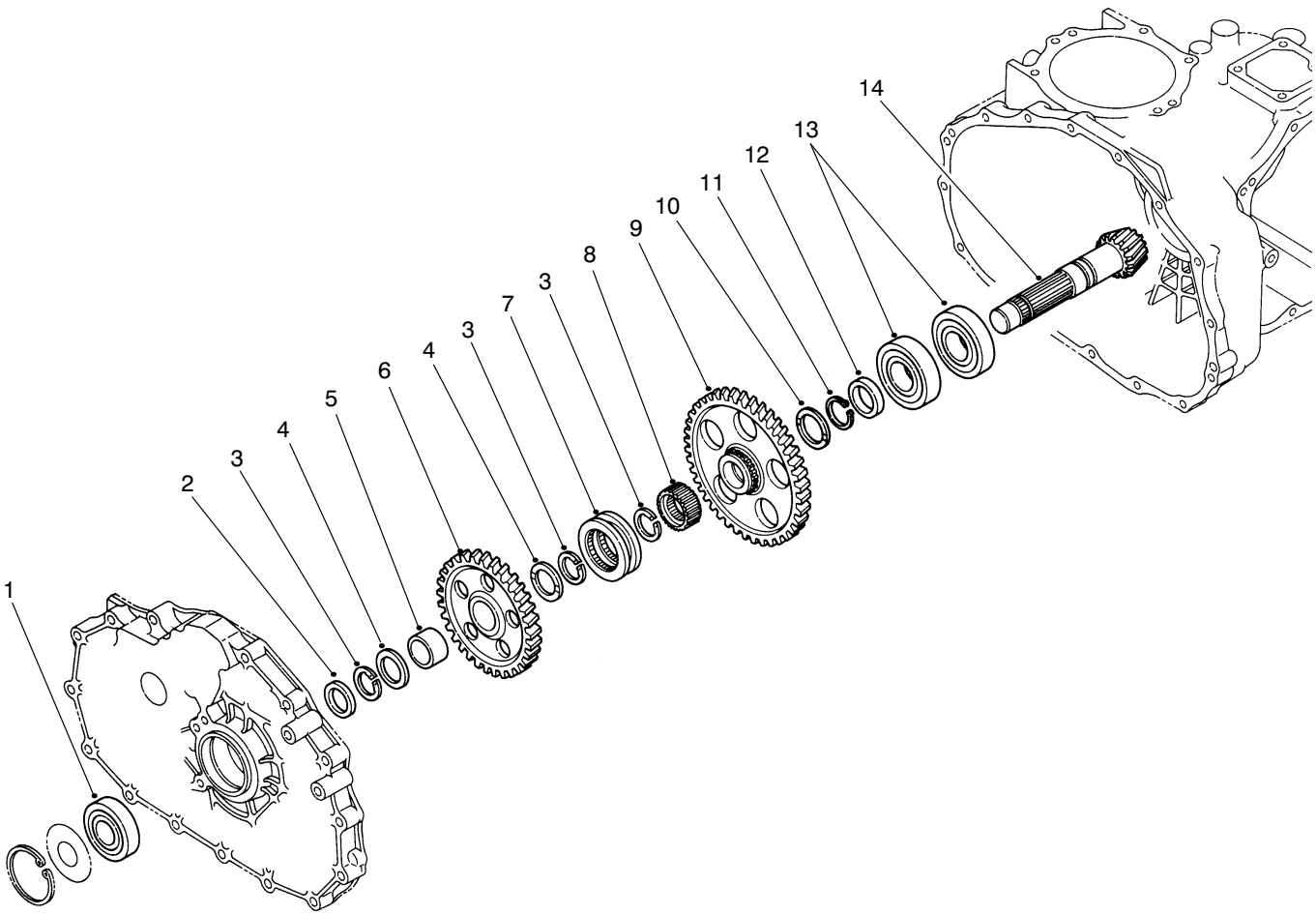
Ref. No.	Part No.	Description	No. Used
23	237−123	Seal − O−Ring	1
24	87−3990	Oil Strainer Assembly (Incl. Ref. #23)	1
25	87-4820-03	Bracket − Cable	1
26	87−3080	Cable − Battery Neg.	1
27	87−7160	Cable Clevis Assembly (Incl. Ref. #29)	1
28	3272−6	Pin − Cotter	3
29	32148−15	Nut − Clinch	1
30	3219−14	Nut − Hex.	1
31	87−4420	Hi−Lo Cable Assembly (Incl. Ref. #30)	1
32	87−6710	Switch − Supervisor	1
33	237−30	Seal − O−Ring	2
34	283−62	Pin − Clevis	3
35	87−2310	Clevis − Cable	2
36	87−4260	Shift Cable Assembly (Incl. Ref. #37)	2
37	3220−1	Nut − Jam	4
38	68−9950	Spring − Extension	1
39	87−7170	Bracket − Clutch Spring	1
40	72−4310	Switch − Ball N.C.	1
41	237−42	Seal − O−Ring	1



TRANSAXLE CASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92−0656	Cover − P.T.O.	1
2	48−7930	Nut − Hex.	1
3	92−0762	Washer − Lock	1
4	60−6750	Screw − Cap Hex. Hd.	11
5	92−0662	Cap − Oil	1
6	92−0788	O−Ring	1
7	92−0652	Cover − Upper	1
8	92−0765	Pin − Alignment	4
9	92−0653	Cover − Side	1
10	42−9530	Screw − Cap Hex. Hd.	25
11	92−0809	Shim Set	1
12	92−0787	O−Ring	1
13	92−0773	Drain Plug Assembly (Incl. Ref. #12)	1
14	92−0789	O−Ring	1
15	92−0760	Ring − Retaining	1
16	92−0793	Seal − Oil	2

Ref. No.	Part No.	Description	No. Used
17	92−0654	Carrier − Differential	1
18	48−7730	Screw − Cap Hex. Hd.	5
19	92−0651	Case − Transaxle	1
20	92−0808	Shim Set	1
21	92−0657	Plate − Center	1
22	92−0759	Ring − Retaining	1
23	92−0807	Cap − Sealing	1
24	48−7560	Screw − Cap Hex. Hd.	1
25	92−0706	Cap − Fork Shaft	1
26	92−0791	Seal − Oil	1
27	92−0743	Breather − Air	1
28	92−0804	Stud	1
29	92−0790	O−Ring	1
30	92−0655	Cover − Seal	1
31	92−0796	Screw − Cap Hex. Hd.	5
32	42−9850	Washer − Lock	42
33	92−0775	Bearing − Ball	2

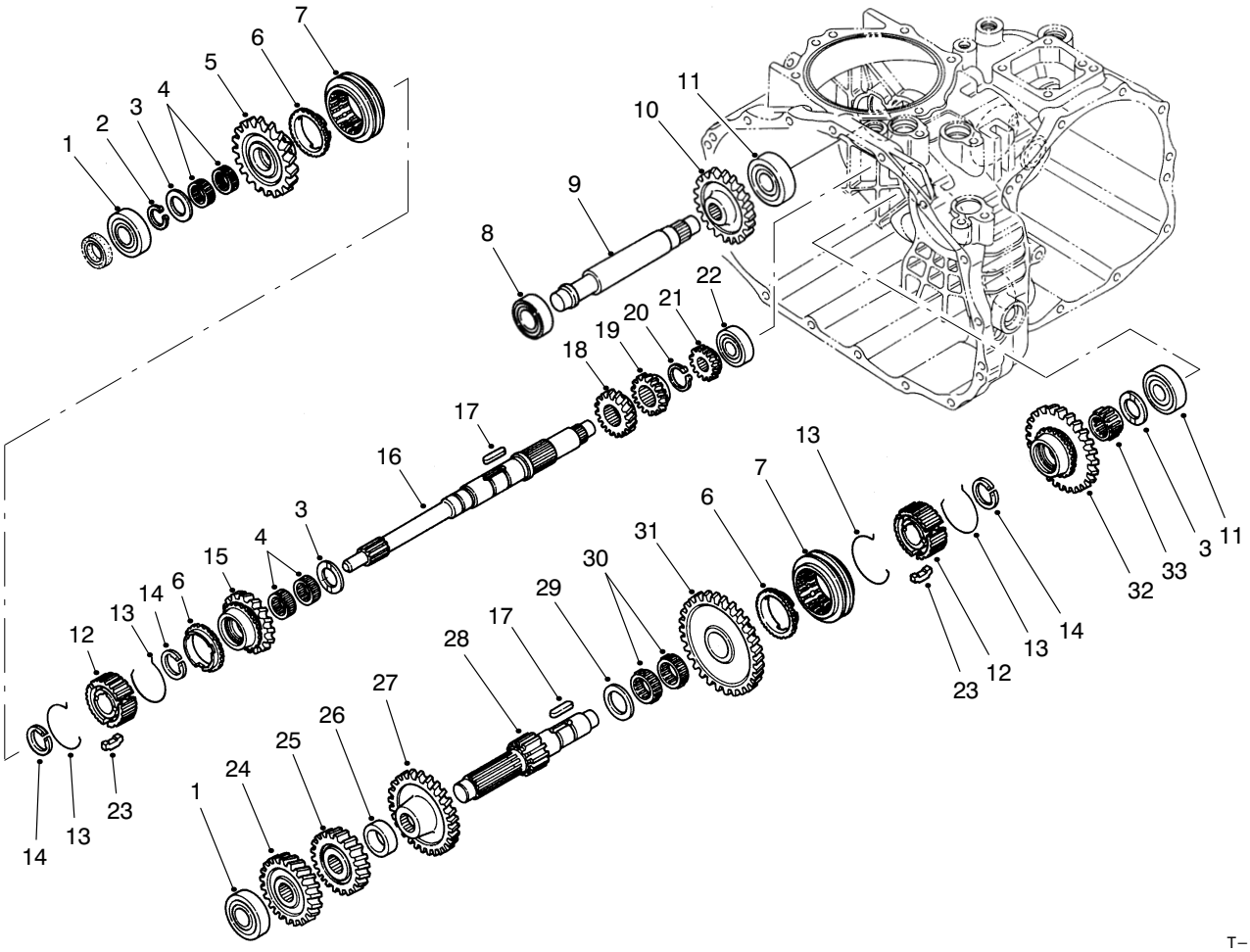


T−1536

COUNTERSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92−0712	Bearing − Ball	1
2	92−0716	Collar	1
3	92−0764	Ring − Retaining	3
4	92−0711	Washer − Thrust	2
5	92−0783	Sleeve − Inner	1
6	92−0715	Gear − 49T	1
7	92−0718	Shifter − Hi−Lo	1
8	92−0719	Collar − Spline	1

Ref. No.	Part No.	Description	No. Used
9	92−0717	Gear − 71T	1
10	92−0741	Washer − Thrust	1
11	92−0755	Ring − Retaining	1
12	92−0713	Collar	1
13	92−0714	Bearing − Ball	2
14	92−0710	Counter Shaft Assembly (Incl. Ring Gear)	1

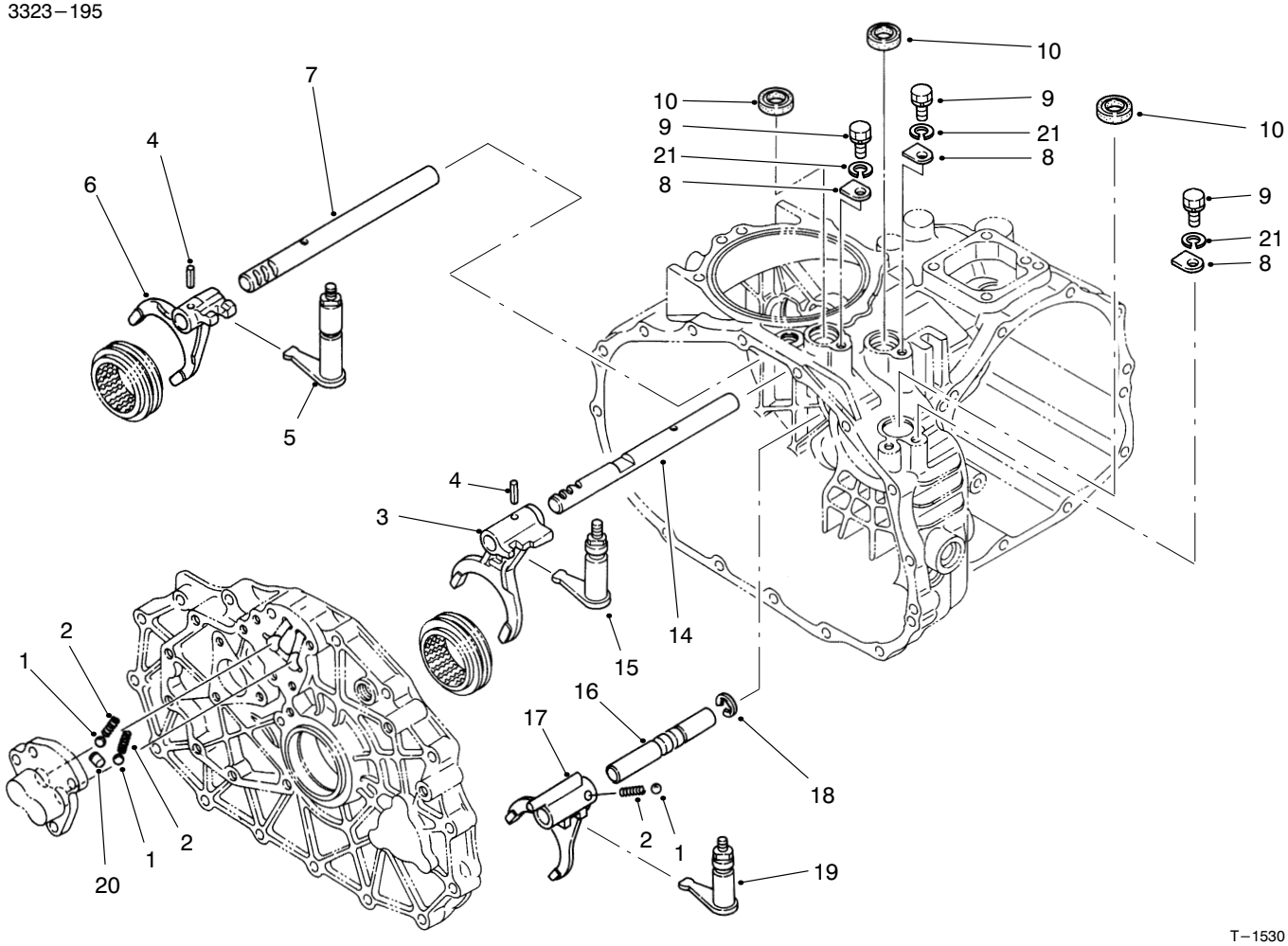


T−1533

TRANSAXLE GEAR SHAFTS ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	251−8	Bearing − Ball	2
2	92−0753	Ring − Retaining	1
3	92−0740	Washer − Thrust	3
4	92−0781	Bearing − Needle	4
5	92−0820	Gear − 27T	1
6	92−0667	Ring − Synchro	3
7	92−0668	Shifter − Synchro	2
8	251−346	Bearing − Ball	1
9	92−0824	Shaft − Reverse Idler	1
10	92−0684	Gear − 33T	1
11	92−0778	Bearing − Ball	2
12	92−0664	Hub − Synchro	2
13	92−0666	Spring − Synchro	4
14	92−0763	Ring − Retaining	3
15	92−0821	Gear − 24T	1
16	92−0663	Shaft − Main	1
17	92−0772	Key	2

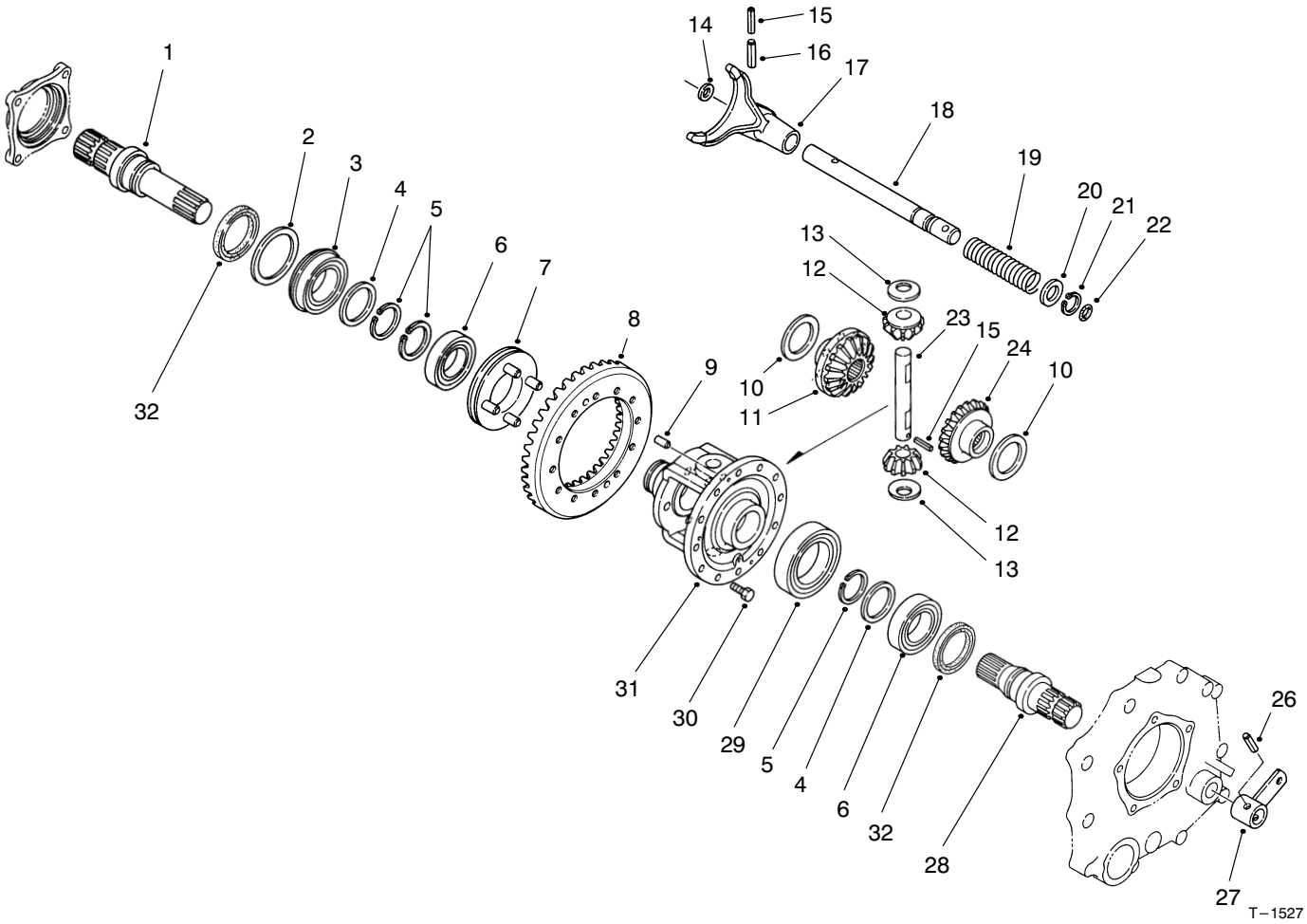
Ref. No.	Part No.	Description	No. Used
18	92−0687	Gear − 16T	1
19	92−0672	Gear − 18T	1
20	92−0754	Ring − Retaining	1
21	92−0673	Gear − 14T	1
22	92−0650	Bearing − Ball	1
23	92−0665	Key − Synchro	6
24	92−0822	Gear − 28T	1
25	92−0679	Gear − 23T	1
26	92−0680	Collar	1
27	92−0823	Gear − 43T	1
28	92−0674	Shaft − Reduction	1
29	92−0682	Washer − Thrust	1
30	92−0681	Bearing − Needle	2
31	92−0677	Gear − 49T	1
32	92−0819	Gear − 40T	1
33	92−0782	Bearing − Needle	1



SHIFT FORK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92−0785	Ball	3
2	92−0731	Spring − Compression	3
3	92−0700	Fork − Shift R−1	1
4	92−0769	Pin − Spring	2
5	92−0817	Arm − Shift Fork 2−3	1
6	92−0701	Fork − Shift 2−3	1
7	92−0699	Shaft − Fork 2−3	1
8	92−0732	Plate − Keeper	3
9	48−7700	Screw − Cap Hex. Hd.	3

Ref. No.	Part No.	Description	No. Used
10	92−0729	Seal − Oil	3
14	92−0698	Shaft − Fork R−1	1
15	92−0816	Arm − Shift Fork R−1	1
16	92−0708	Shaft − Fork Hi−Lo	1
17	92−0709	Fork − Shift Hi−Lo	1
18	92−0761	Ring − Retaining	1
19	92−0818	Arm − Shift Fork Hi−Lo	1
20	92−0705	Lock − Spindle	1
21	42−9850	Washer − Lock	3

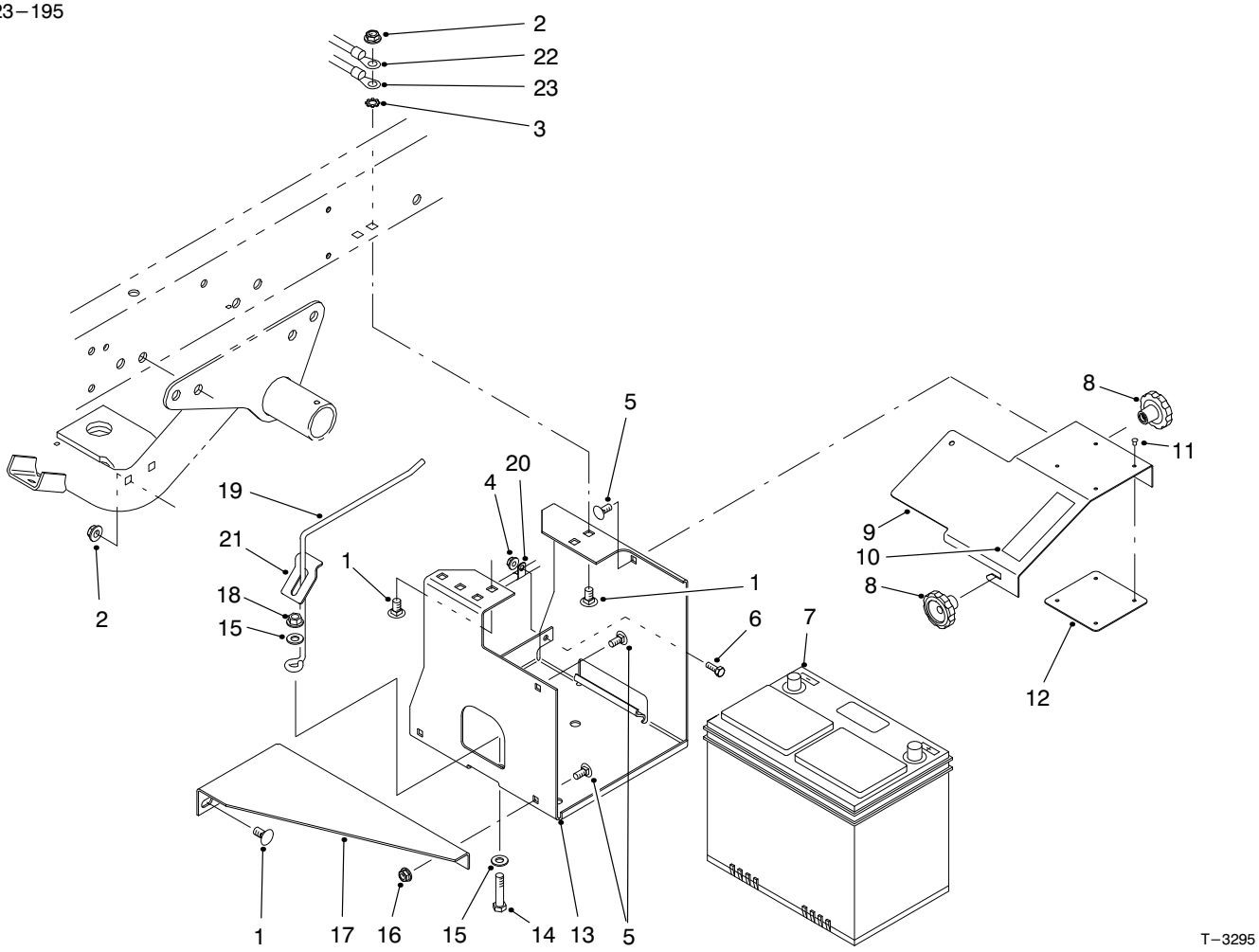


DIFFERENTIAL GEAR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	92−0726	Shaft − Axle R.H.	1
2	92−0728	Washer	1
3	92−0780	Bearing − Ball	1
4	92−0727	Washer	2
5	92−0756	Ring − Retaining	3
6	92−0775	Bearing − Ball	2
7	92−0730	Slider − Differential Lock	1
8	92−0710	Ring Gear Assembly (Incl. Counter Shaft)	1
9	92−0765	Pin − Alignment	2
10	92−0747	Washer − Thrust	2
11	92−0746	Gear − Side R.H.	1
12	92−0748	Gear − Pinion	2
13	92−0750	Washer	2
14	92−0744	Washer	1
15	92−0768	Pin − Spring	2

Ref. No.	Part No.	Description	No. Used
16	92−0771	Pin − Spring	1
17	92−0721	Fork − Differential Lock	1
18	92−0722	Shaft − Lock Fork	1
19	92−0723	Spring − Compression	1
20	92−0733	Washer	1
21	92−0753	Ring − Retaining	1
22	92−0787	O−Ring	1
23	92−0749	Shaft − Pinion	1
24	92−0745	Gear − Side L.H.	1
26	92−0770	Pin − Spring	1
27	92−0724	Arm − Differential Lock	1
28	92−0725	Shaft − Axle L.H.	1
29	92−0776	Bearing − Ball	1
30	92−0803	Screw − Hex. Flange Hd.	12
31	92−0720	Case − Differential	1
32	92−0793	Seal − Oil	2

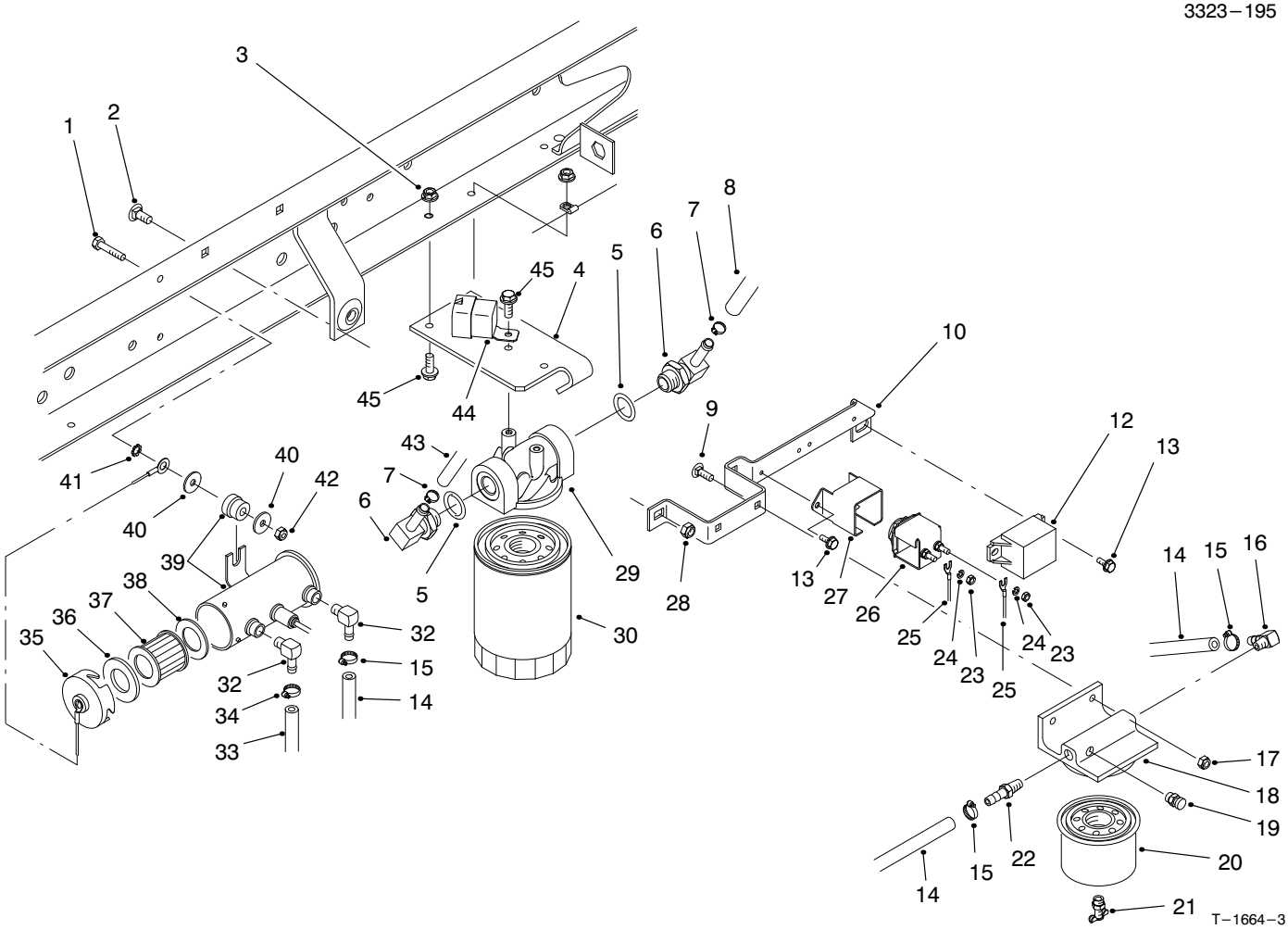
3323−195



BATTERY MOUNT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	3231−21	Bolt − Carriage	6
2	3290−357	Nut − Flange Lock	6
3	3255−9	Washer − Lock ETLW	1
4	32128−33	Nut − Flange Lock	1
5	3230−23	Bolt − Carriage	4
6	321−4	Screw − Cap Hex. Hd.	1
7	63−9230	Battery	1
8	19−4050	Knob	2
9	87-5130-03	Cover − Battery Base	1
10	36−3400	Decal − No Step	1
11	3296−27	Rivet − Plastic	4
12	87−7620	Shield − Plastic	1

Ref. No.	Part No.	Description	No. Used
13	87-5120-03	Bracket − Battery Base	1
14	323−9	Screw − Cap Hex. Hd.	1
15	3256−24	Washer − Flat	2
16	32128−20	Nut − Flange Lock	2
17	87-5110-03	Support − Lower	1
18	3296−39	Nut − Flange Lock	1
19	87−7600	Rod − Battery Support	1
20	2412−89	Clamp − R	1
21	87−7610	Tab − Battery Support	1
22	99−1114	Harness − Wire Rear	1
23	87−3080	Cable − Battery Neg.	1

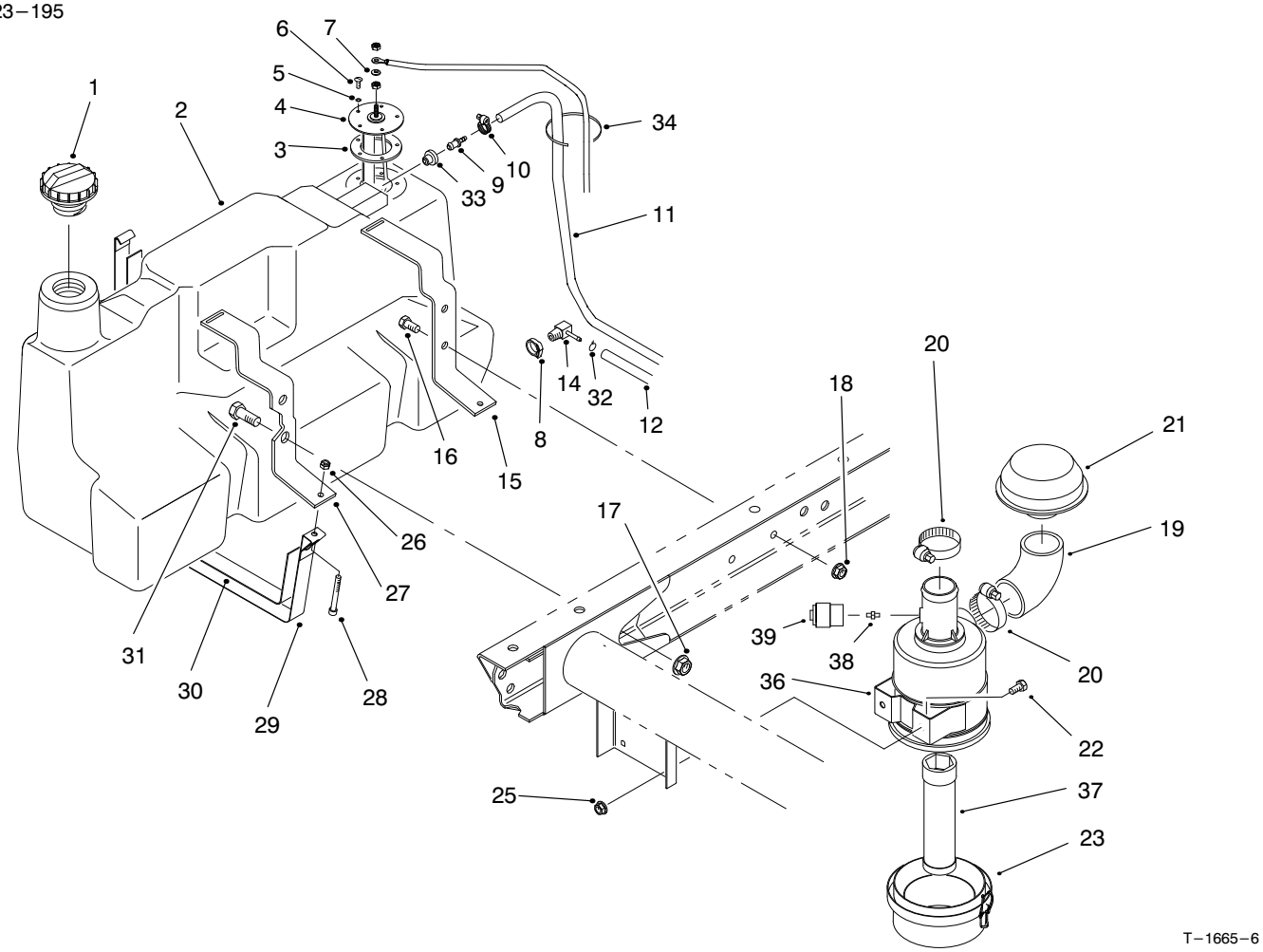


FUEL FILTER, FUEL PUMP & RELAY MOUNTING

Ref. No.	Part No.	Description	No. Used
1	48−7650	Screw − Cap Hex. Hd.	2
2	3230−23	Bolt − Carriage	2
3	32128−33	Nut − Flange Lock	1
4	87-7040-03	Bracket − Oil Filter	1
5	237−79	Seal − O−Ring	2
6	354−134	Fitting − Hydraulic 90˚ (Incl. Ref. #5)	2
7	2412−36	Clamp − Hose	2
8	87−5730	Hose − Hydraulic	1
9	3229−25	Nut − Lock	2
10	87-7380-03	Bracket − Relay/Indicator	1
12	66−8800	Relay	1
13	12−5450	Screw − Hex. Hd.	4
14	27−5360	Hose − Fuel	2
15	2412−108	Clamp − Hose	3
16	353−707	Fitting − 90˚ Barb	1
17	3296−42	Nut − Lock	2
18	63−8280	Head − Filter	1
19	63−8290	Vent − Air	1
20	63−8300	Element − Filter	1
21	63−8310	Drain − Filter	1
22	353−783	Fitting − Straight	1
23	43−5970	Nut	2

Ref. No.	Part No.	Description	No. Used
24	48−8000	Washer − Lock	2
25	99−1114	Harness − Wire	1
26	66−8700	Glow Plug Indicator Assy. (Incl. Ref. #23, 24 & 27)	1
27	70−8560	Retainer − Indicator	1
28	3296−29	Nut − Lock	2
29	87−8780	Head − Oil Filter	1
30	54−0110	Element − Oil Filter	1
32	46−3710	Fitting − 90˚	2
33	63−9640	Hose − Fuel Tank to Pump	1
34	92−2379	Clamp − Hose	1
35	43−2580	Magnet	1
36	43−2560	Gasket	1
37	43−2550	Filter	1
38	43−2570	Gasket	1
39	53−8150	Fuel Pump Assembly (Incl. Ref. #35−38)	1
40	3256−67	Washer − Flat	3
41	3255−7	Washer − ETLW	1
42	49−7810	Nut − Lock	2
43	99−1058	Hose − Hydraulic	1
44	70−1480	Relay − S.P.D.T.	1
45	3234−4	Screw − Hex. Flange Hd.	4

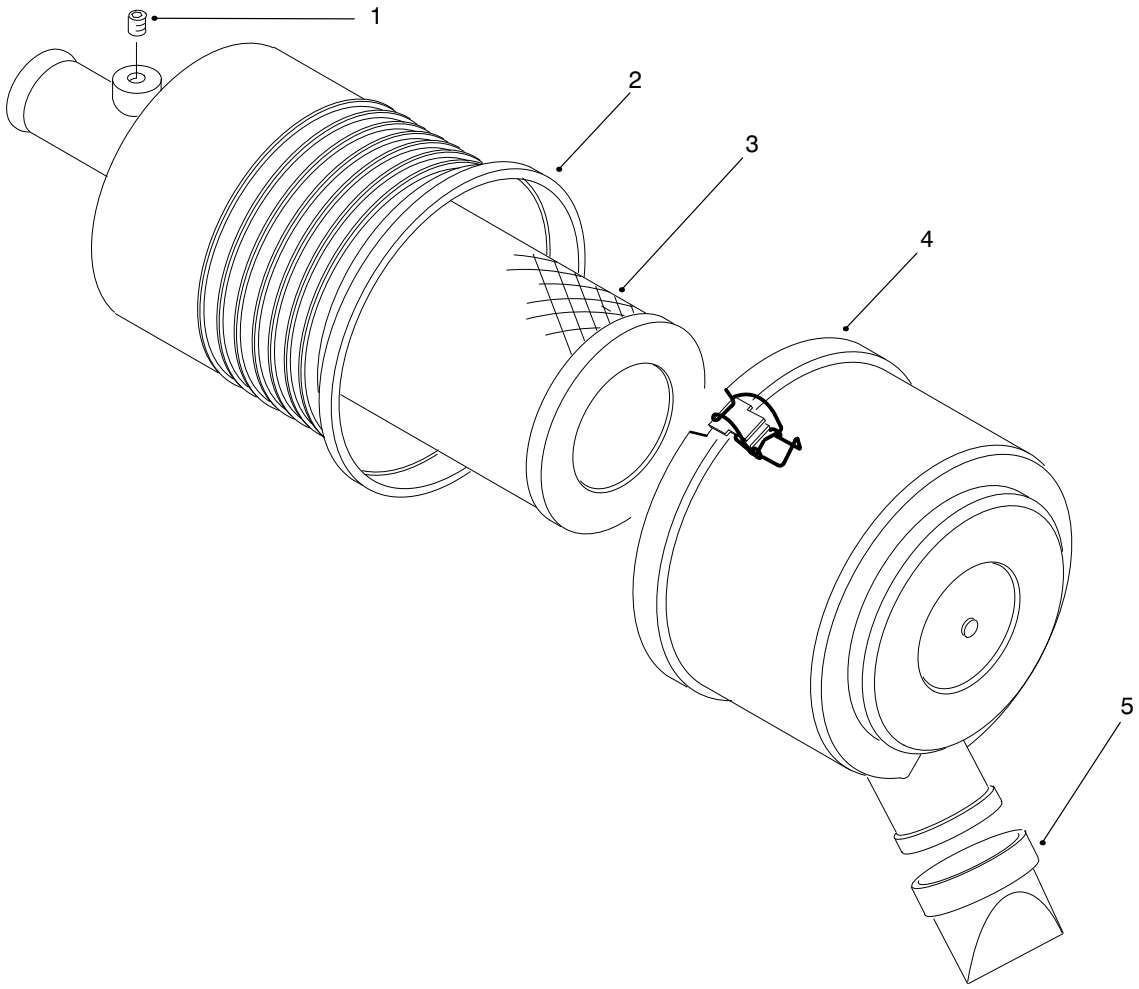
3323−195



FUEL TANK & AIR CLEANER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	93−3102	Cap − Fuel	1
2	98−2915	Fuel Tank Assembly (Incl. Ref. #8, 9, 14 & 33)	1
3	62−7650	Gasket − Sending Unit	1
4	63−7640	Unit − Sending	1
5	3253−15	Washer − Lock	5
6	32122−24	Screw − Round Hd.	5
7	5−3637	Washer − Flat	1
8	2412−36	Clamp	1
9	98−2952	Fitting − Straight	1
10	2412−108	Clamp − Hose	1
11	98−2945	Hose − Fuel	1
12	63−9640	Hose − Fuel	1
14	353−781	Fitting − Fuel 90˚	1
15	87-3140-03	Support − Rear	1
16	323−4	Screw − Cap Hex. Hd.	2
17	32128−23	Nut − Flange	2
18	3290−357	Nut − Flange	2
19	94−5248	Elbow − Air Intake	1
20	2412−92	Clamp − Hose	2

Ref. No.	Part No.	Description	No. Used
21	46−7510	Hood − Inlet, Air	1
22	322−2	Screw − Cap Hex. Hd.	2
23	95−5805	Air Cleaner Assembly	1
25	32128−20	Nut − Flange Lock	2
26	3296−42	Nut − Lock	2
27	87-3150-03	Support − Front	1
28	3274−54	Screw − Hex. Socket Hd.	2
29	87−3160	Strap − Tank Support	2
30	87−3170	Pad − Tank Support Strap	2
31	3234−38	Screw − Cap Hex. Hd.	2
32	92−2379	Clamp − Hose	1
33	46−6560	Bushing	1
34	3290−378	Cable − Tie	1
36	93−2191	Mounting Band Assembly	1
37	98−2982	Filter−Element, Safety (Optional)	1
38	94−1416	Asm−Adapter, Indicator (Optional)	1
39	93−9164	Indicator−Service (Optional)	1



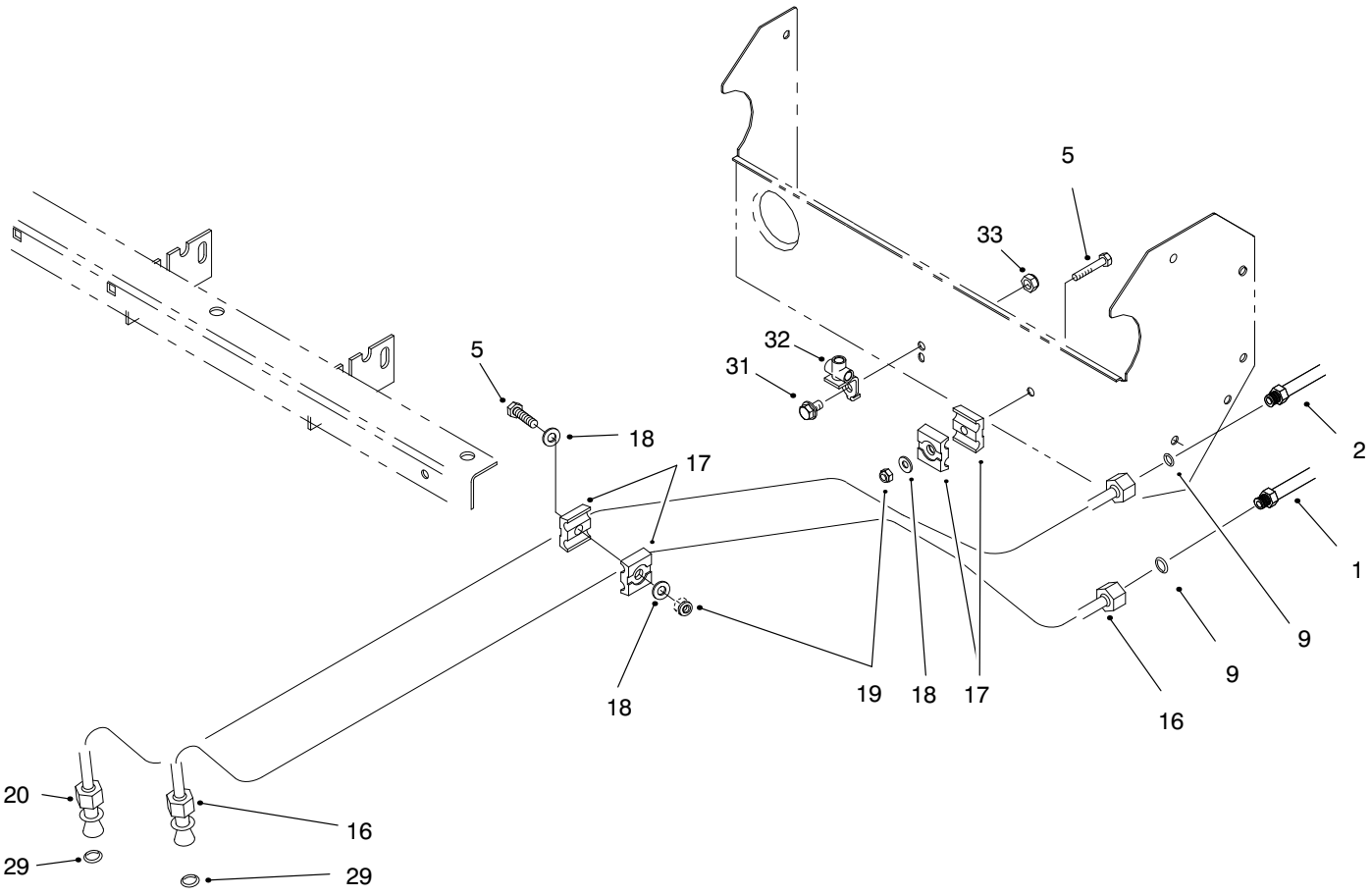
T−2607−2

AIR CLEANER ASSEMBLY NO. 95−5805

Ref. No.	Part No.	Description	No. Used
1	285−17	Plug	1
2		Assembly − Body	1
3	93−2195	Element − Air Cleaner	1
*	98−2982	Element − Filter, Safety (Optional)	1

Ref. No.	Part No.	Description	No. Used
4	94−3652	Assembly − Cover	1
5	94−1414	Valve − Vacuator	1

*Not Illustrated

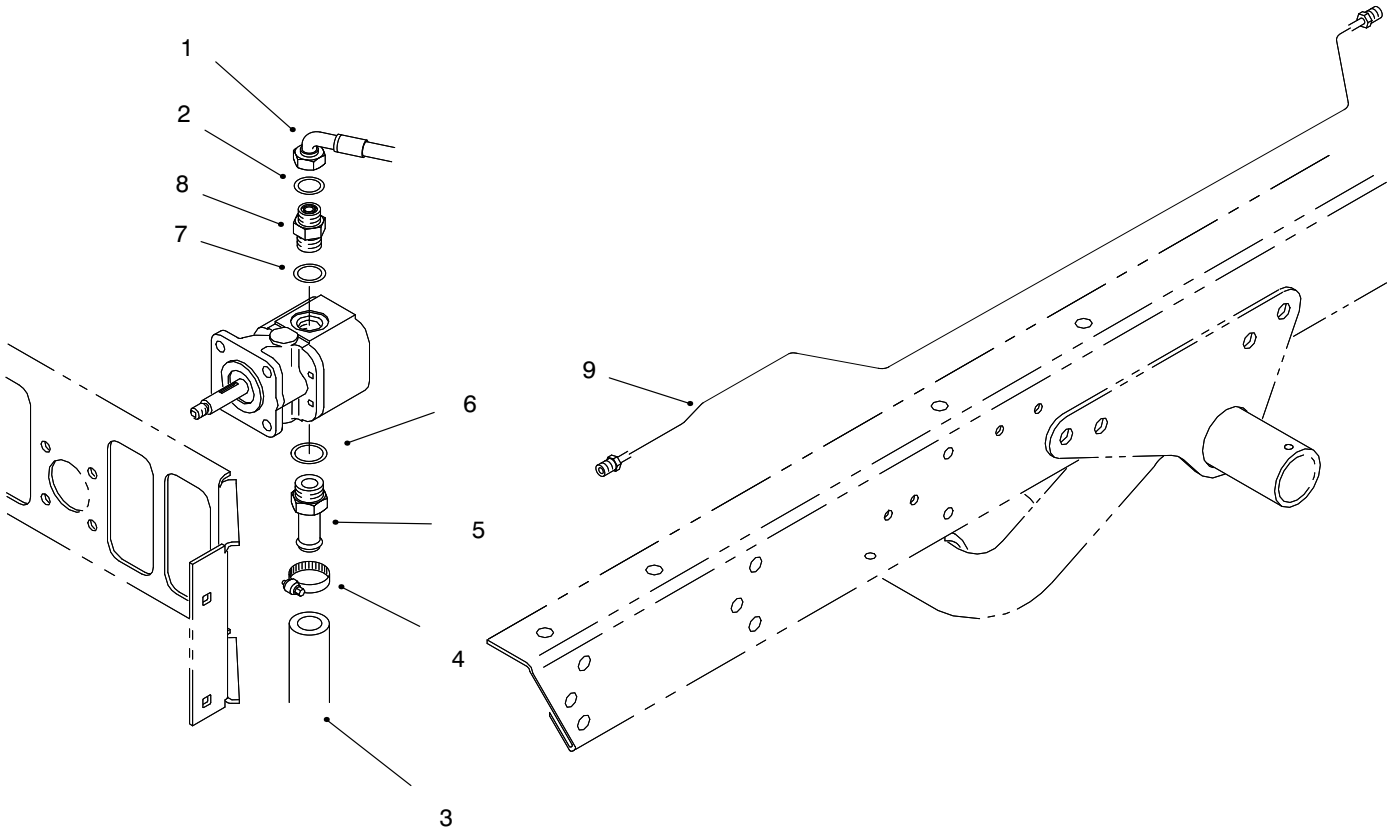


T−3291

HYDRAULIC STEERING LINES ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	99−1053	Hose Assembly (Incl. Ref. #9)	1
2	99−1058	Hose Assembly (Incl. Ref. #9)	1
5	321−9	Screw − Cap Hex. Hd.	2
9	237−22	Seal − O−Ring	2
16	87−9350	Hydraulic Tube Assembly (Incl. Ref. #29)	1

Ref. No.	Part No.	Description	No. Used
17	56−7973	Clamp − Hydraulic Tube	4
18	3256−22	Washer − Flat	3
19	3296−42	Nut − Lock	2
20	87−4540	Hydraulic Tube Assembly (Incl. Ref. #29)	1
29	39−7310	Seal − O−Ring	2

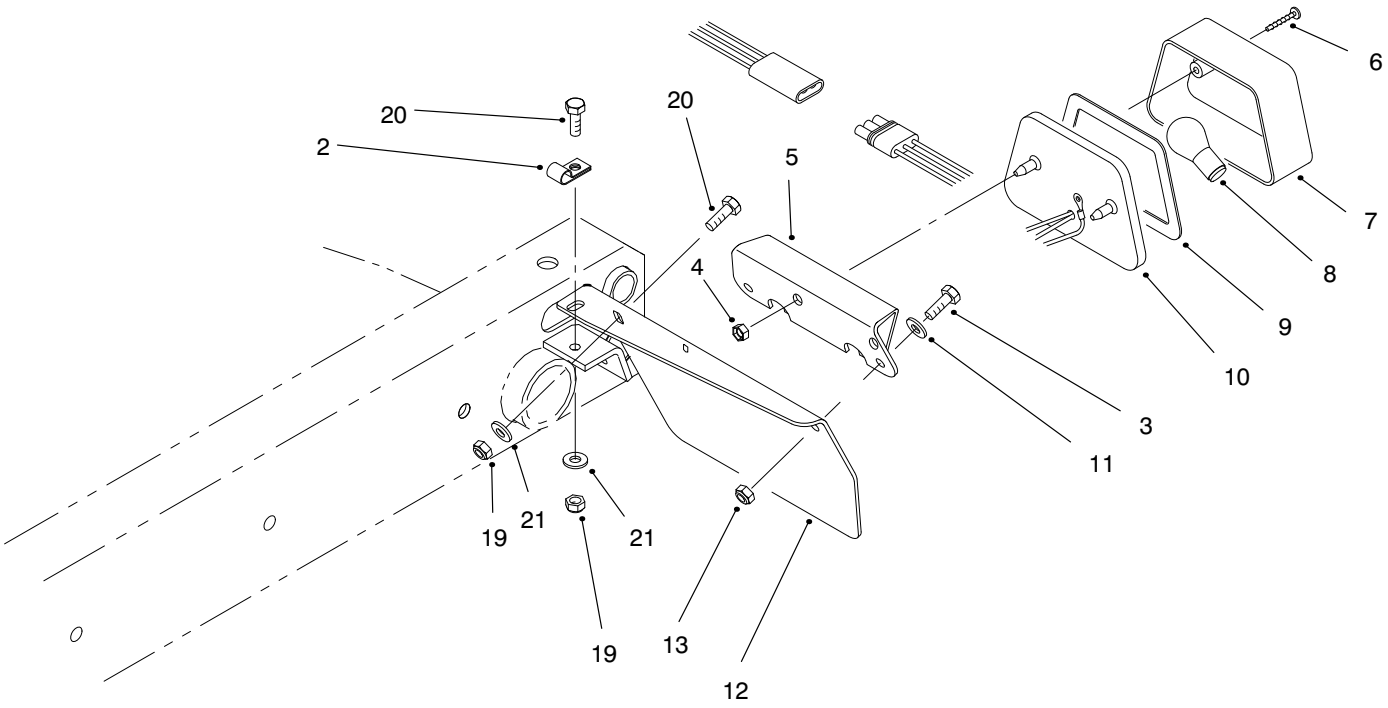


T−3292

PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	99−1053	Hose − Hydraulic	1
2	237−22	Seal − O−Ring	1
3	87−7350	Hose − Hydraulic	1
4	2412−34	Clamp	1
5	354−136	Fitting − Hydraulic Straight (Incl. Ref. #24)	1

Ref. No.	Part No.	Description	No. Used
6	237−80	Seal − O−Ring	1
7	237−79	Seal − O−Ring	1
8	340−3	Fitting − Hydraulic Straight (Incl. Ref. #5 & 25)	1
9	94−3844	Tube ASM−Brake Rear LH	1

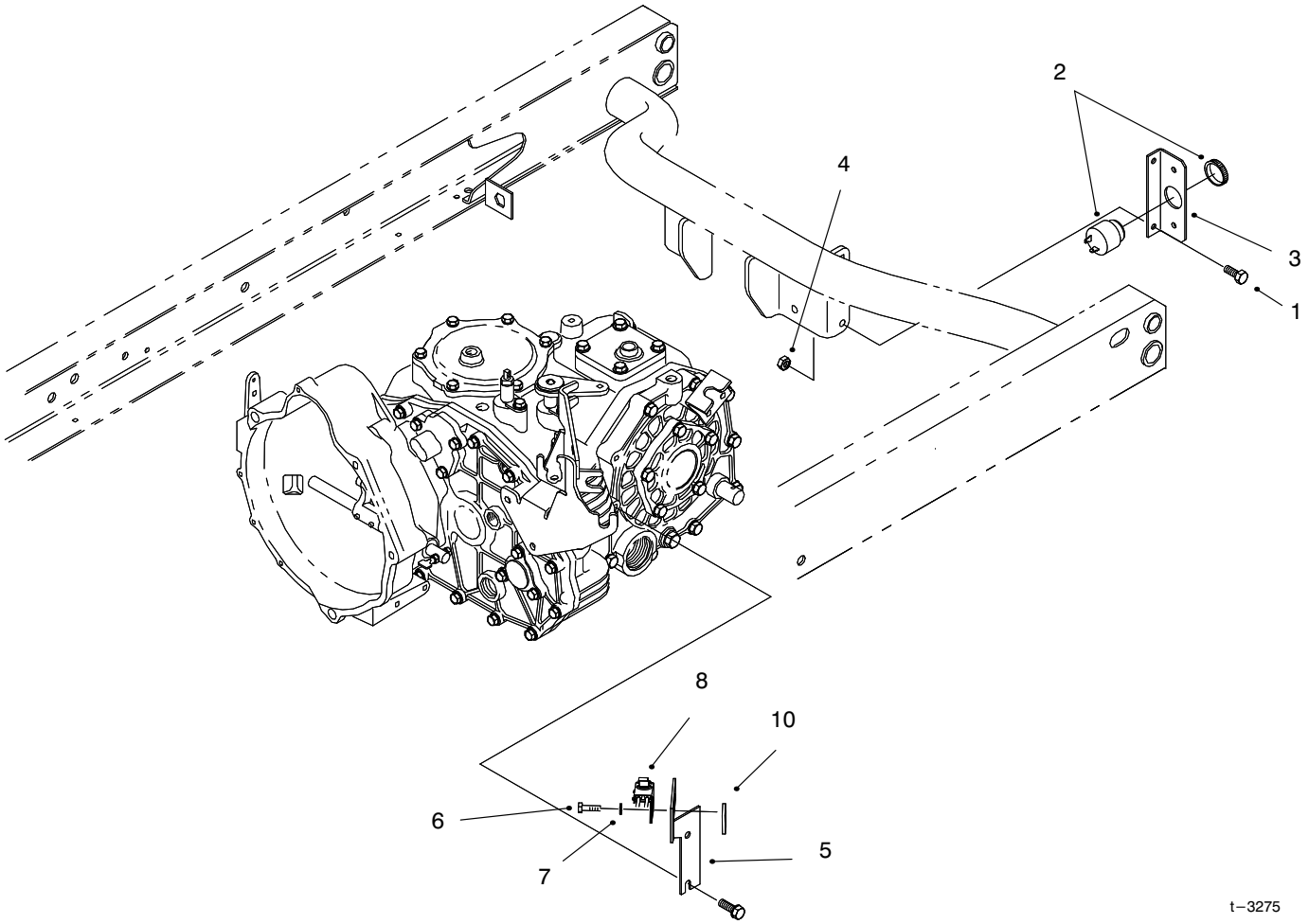


T−3293

TAIL LIGHT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
2	2412−93	Clamp − R	1
3	321−6	Screw − Cap Hex. Hd.	2
4	3290−506	Palnut	2
5	87-5770-03	U−Bracket − Tail Light	1
6	32144−93	Screw − Self Tapping	2
7	87−6300	Lens	1
8		Bulb (#1157 Std. 12 Volt)	1
9	87−6310	Gasket	1

Ref. No.	Part No.	Description	No. Used
10	87−2110	Tail Light Assembly (Incl. Ref. #6−9)	1
11	3256−22	Washer − Flat	2
12	93-8943-03	Plate − Tail Light LH	1
13	3296−42	Nut − Lock	2
19	3296−29	Nut − Lock	2
20	322−5	Screw − Cap Hex. Hd.	2
21	3256−23	Washer − Flat	2

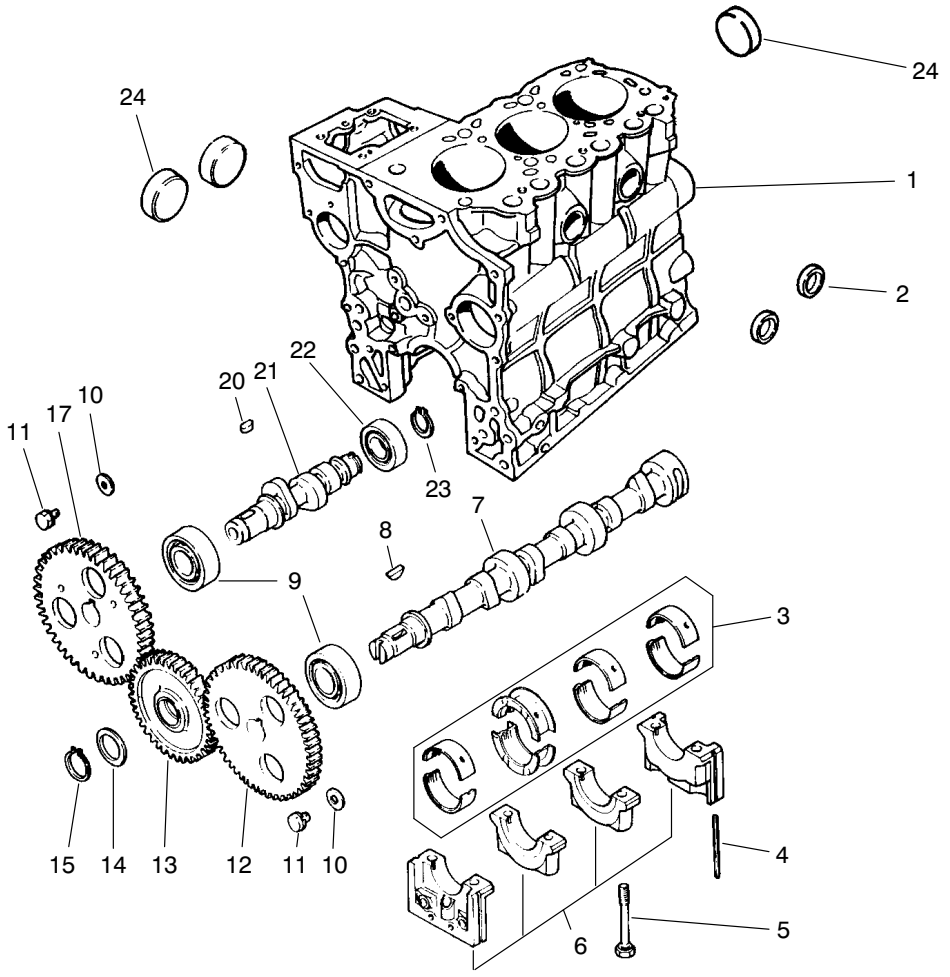


BACKUP ALARM

Ref. No.	Part No.	Description	No. Used
1	321–5	Screw–HH	2
2	80–9330	Alarm–Audio	1
3	93-3921-03	Bracket–Reverse Alarm	1
4	3296–42	Nut–Lock NI	2
5	93-3919-03	Bracket–Reverse Switch	1

Ref. No.	Part No.	Description	No. Used
6	32105–13	Screw	2
7	3256–14	Washer–Flat	2
8	92–7905	Switch & Bracket Asm	1
*9	3290–379	Tie–Cable	1
10	93–9539	Strip–Tapped	1

*Not Illustrated



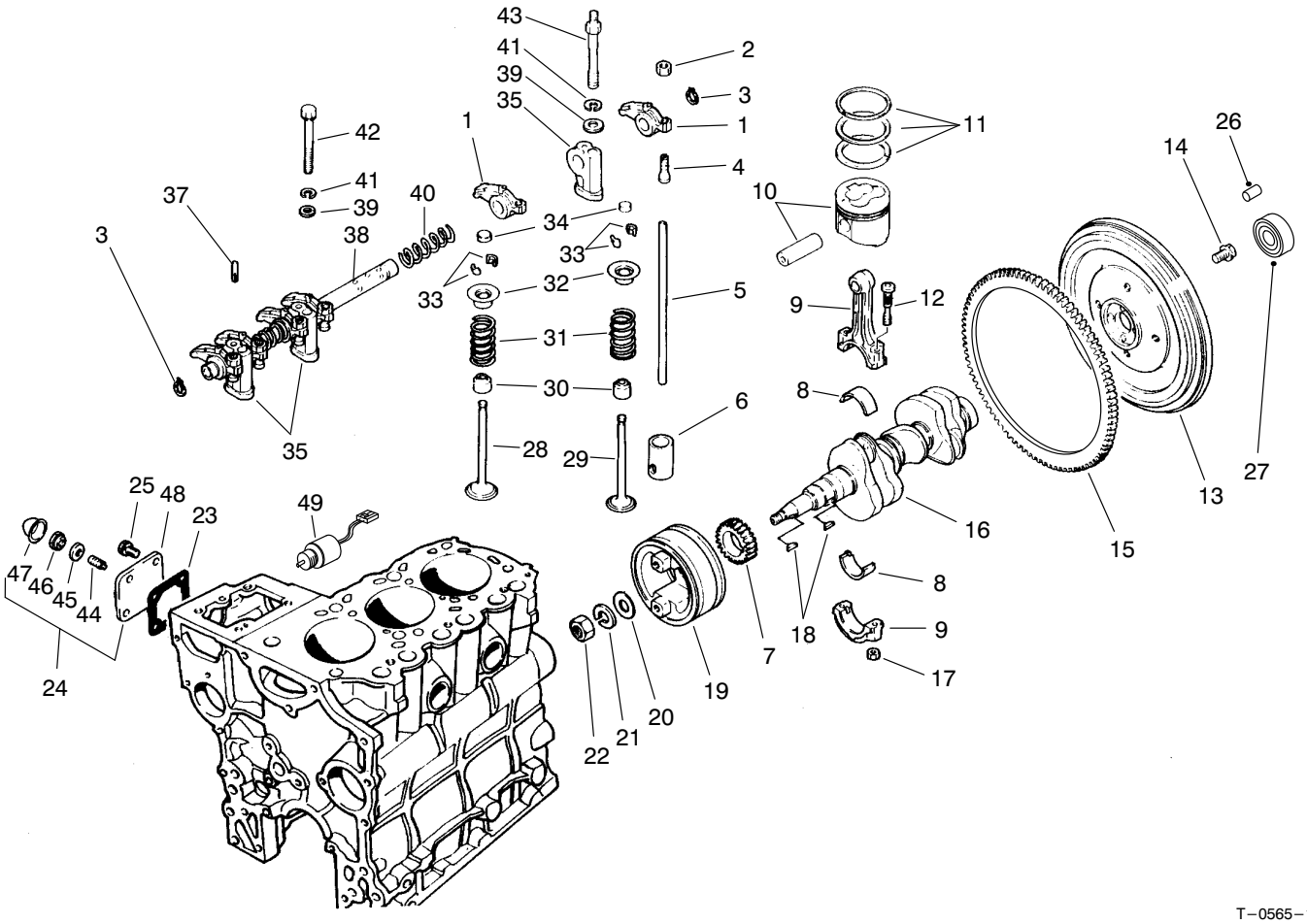
T−0564−1

CAMSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94−1257	Block Sub−Assembly (Incl. Ref. #2, 5, 6 & 24)	1
2	42−7080	Cap	2
3	75−4900	Bearing Set STD	1
*	67−2410	Bearing Set 0.25	1
*	67−2420	Bearing Set 0.50	1
4	67−2200	Seal	4
5	67−2250	Bolt	8
6		Cap Assembly	1
7	67−3010	Cam Shaft	1
8	56−0480	Key − Woodruff	1
9	67−3030	Bearing	2

Ref. No.	Part No.	Description	No. Used
10	67−3000	Washer	2
11	42−9490	Bolt w/Washer	2
12	92−0827	Gear	1
13	92−0842	Gear Assembly	1
14	92−0839	Plate	1
15	92−0841	Ring − Retaining	1
17	92−0840	Gear	1
20	42−7840	Key	1
21	67−3060	Shaft	1
22	67−3050	Bearing	1
23	67−3080	Ring − Retaining	1
24	56−0020	Plug	3

*Not Illustrated



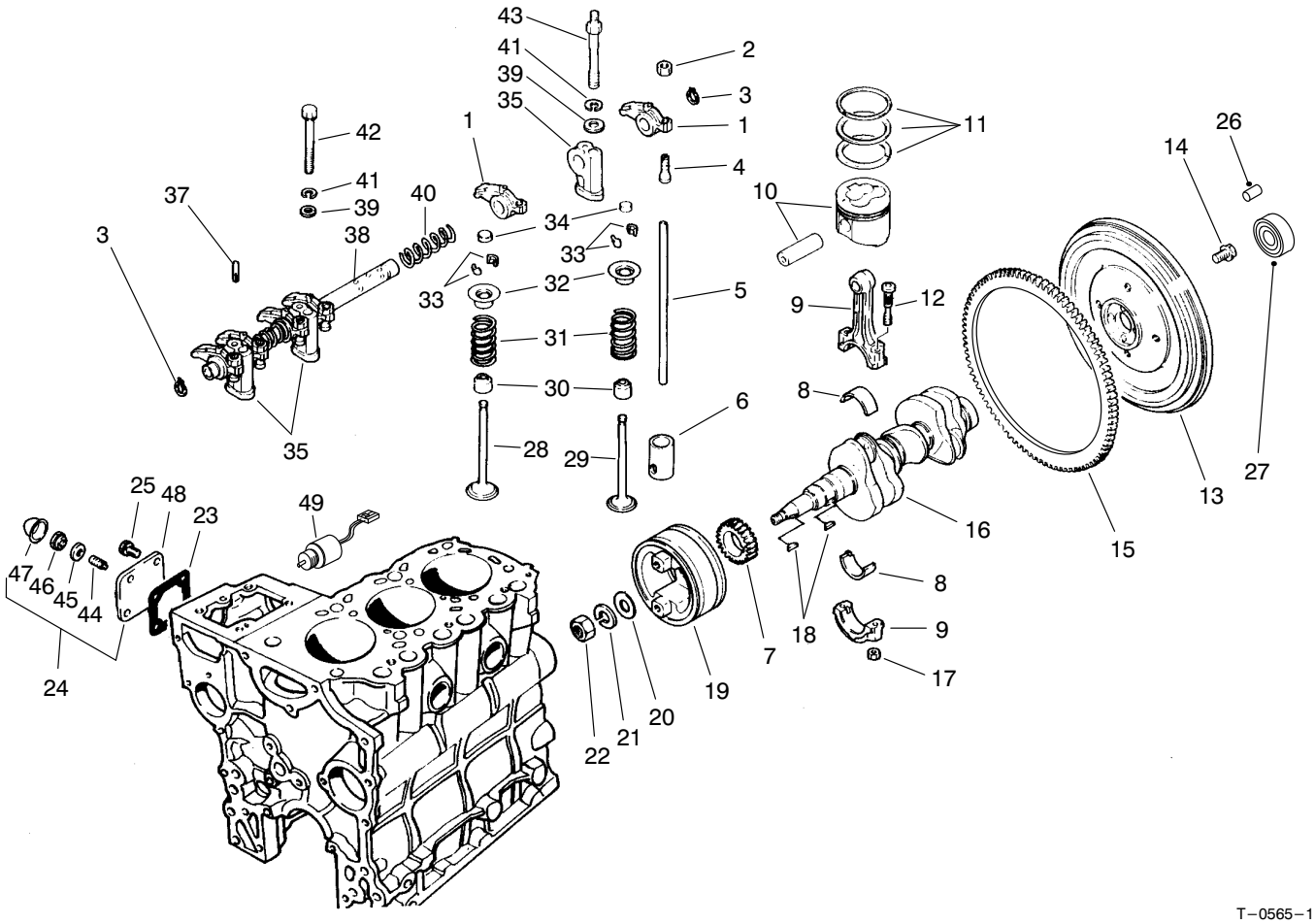
T−0565−1

VALVES AND CRANKSHAFT ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67−3160	Arm − Rocker	6
2	67−3230	Nut − Jam	6
3	67−3240	Ring − Retaining	2
4	67−3210	Screw − Adjusting	6
5	67−3150	Rod − Push	6
6	67−3120	Tappet	6
7	92−0835	Gear	1
8	75−5010	Bearing Set STD	3
*	67−2890	Bearing Set 0.25 US	3
*	67−2900	Bearing Set 0.50 US	3
9	67−2850	Connecting Rod Assembly (Incl. Ref. #12 & 17)	3
10	93−8973	Piston & Pin Set STD	3
*	93−8975	Piston & Pin Set 0.25 OS	3
*	93−8976	Piston & Pin Set 0.50 OS	3
11	75−5050	Ring Set STD	3
*	75−5060	Ring Set 0.25 OS	3
*	75−5070	Ring Set 0.50 OS	3
12	67−2860	Bolt	6
13	92−0836	Flywheel Assembly (Incl. Ref. #15)	1
14	67−2990	Bolt	4
15	67−2980	Gear − Ring	1
16	92−0845	Crankshaft	1
17	42−9590	Nut	6
18	56−0480	Key − Woodruff	2

Ref. No.	Part No.	Description	No. Used
19	70−8680	Pulley − Crankshaft	1
20	67−2950	Washer	1
21	67−2960	Washer − Lock	1
22	67−2940	Nut − Jam	1
23	67−4310	Gasket	1
24	75−5110	Cover Assembly (Incl. Ref. #44−48)	1
25	42−9440	Bolt W/Washer	4
26	51−5610	Pin − Dowel	3
27	92−1914	Bearing − Ball	1
28	67−3130	Valve − Intake	3
29	67−3140	Valve − Exhaust	3
30	42−7870	Seal	6
31	67−3110	Spring	6
32	67−3100	Retainer	6
33	42−7860	Lock	12
34	67−3180	Cap	6
35	67−3200	Stay − Rocker	3
37	67−3220	Pin	1
38	67−3190	Rocker Shaft Assembly	1
39	42−9660	Washer	4
40	67−3170	Spring	2
41	67−3260	Washer	6
42	42−9510	Bolt	1
43	67−3250	Bolt − Rockers Stay	2
44	43−3160	Screw − Adjusting	1

*Not Illustrated

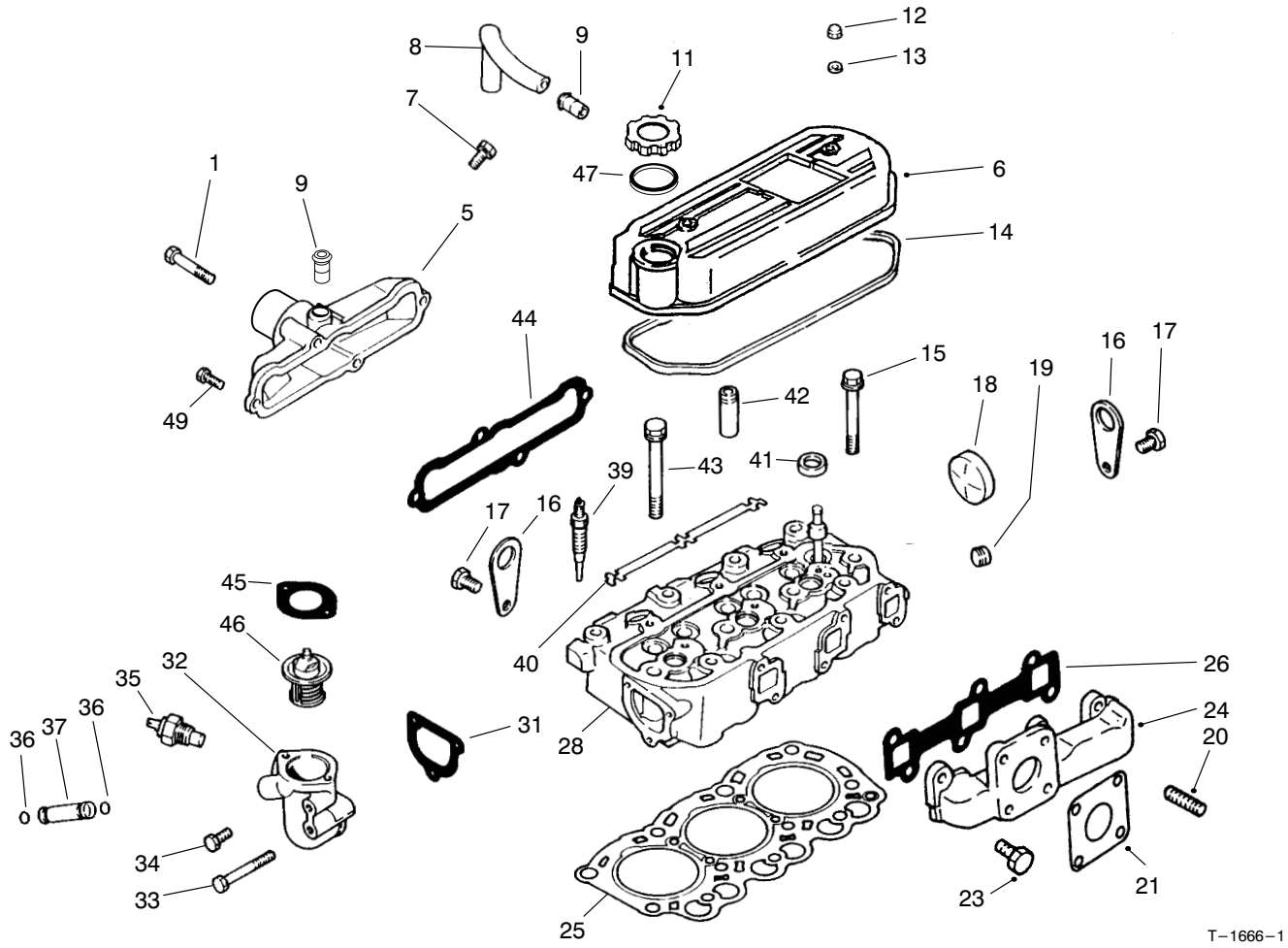


T−0565−1

VALVES AND CRANKSHAFT ASSEMBLY (Continued)

Ref. No.	Part No.	Description	No. Used
45	75−5120	Gasket	1
46	43−5960	Nut − Special	1
47	43−2820	Cap − Sealing	1

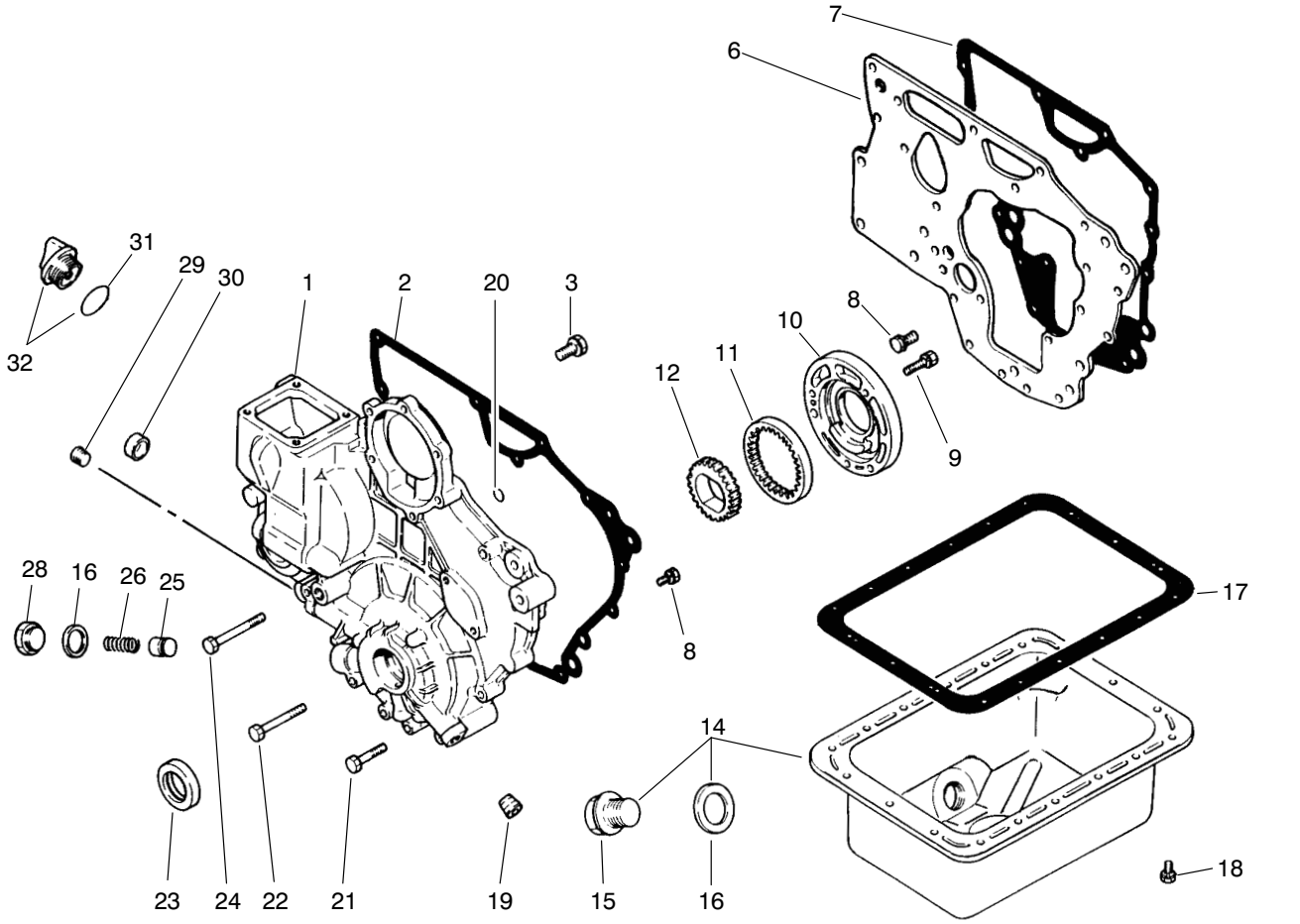
Ref. No.	Part No.	Description	No. Used
48	67−4250	Cover	1
49	63−7440	Solenoid − Shutoff	1



CYLINDER HEAD ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67−4400	Bolt	2
5	94−3533	Cover (Intake)	1
6	67−2750	Cover Assembly (Incl. Ref. #9)	1
7	42−9430	Bolt w/Washer	1
8	67−2670	Hose − Breather	1
9	42−7510	Pipe	2
11	67−2650	Cap − Oil Filler	1
12	67−2770	Nut − Cap	2
13	67−2780	Washer	2
14	67−2760	Gasket	1
15	67−2740	Bolt − Flange	3
16	67−2680	Hanger − Engine	2
17	67−2340	Bolt w/Washer	2
18	56−0020	Plug − Expansion	1
19	67−2570	Plug − Taper	1
20	42−9570	Stud	4
21	42−9110	Gasket	1
23	67−4590	Bolt	6
24	70−8750	Manifold − Exhaust	1

Ref. No.	Part No.	Description	No. Used
25	67−2720	Gasket − Cylinder Head	1
26	67−4570	Gasket − Exhaust Manifold	1
28	93−8970	Cylinder Head Assembly (Incl. Ref. #18, 41 & 42)	1
31	67−4460	Gasket (Thermostat Fitting)	1
32	92−0837	Fitting − Thermostat	1
33	67−4470	Bolt	1
34	67−2330	Bolt	4
35	67−4510	Gauge Nut − Water Temp.	1
36	43−2710	O−Ring	2
37	67−4480	Pipe − By−Pass	1
39	92−0844	Plug − Glow	3
40	67−4690	Plate − Glow Plug	1
41	67−2710	Cap − Sealing	3
42	67−2700	Guide − Valve	6
43	67−2730	Bolt	8
44	67−4550	Gasket − Intake Manifold	1
45	93−8974	Thermostat	1
46	67−4430	Gasket − Thermostat	1
47	67−2660	Seal − O−Ring	1



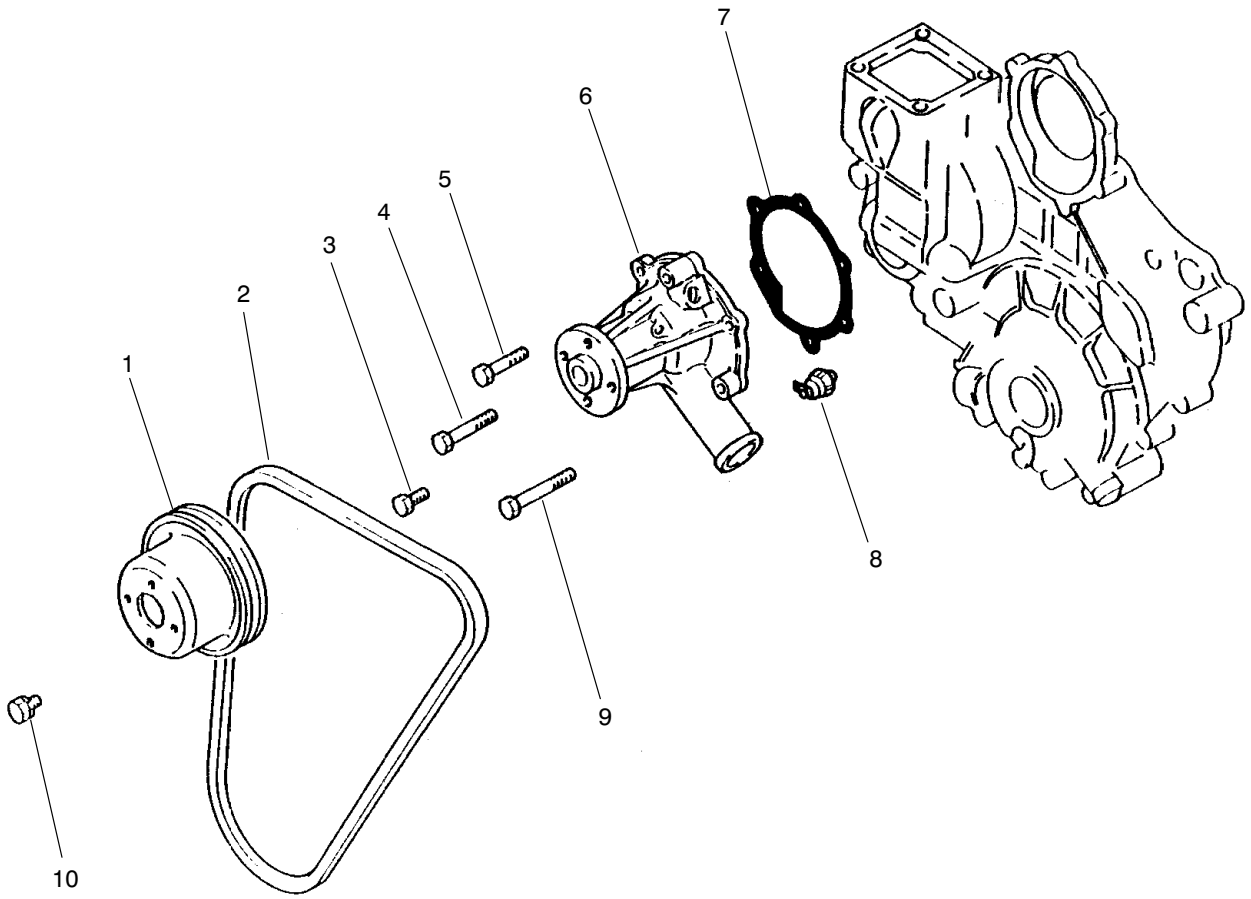
T−0567−1

CRANKCASE ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	94−1259	Case Sub−Assembly	1
2	67−2580	Gasket − Case	1
3	67−2340	Bolt w/Washer	3
6	67−2310	Plate	1
7	67−2320	Gasket − Plate	1
8	42−9440	Bolt w/Washer	11
9	67−2560	Bolt w/Washer	3
10	67−2550	Housing − Oil Pump	1
11	67−2540	Gear − Outer	1
12	67−2530	Gear − Inner	1
14	75−4910	Oil Pan Assembly (Incl. Ref. #15−16)	1
15	42−9260	Plug	1
16	42−7290	Gasket − Oil Drain	2
17	67−2480	Gasket − Oil Pan	1
18	42−9490	Bolt w/Washer	18

Ref. No.	Part No.	Description	No. Used
19	42−7210	Plug	1
20	67−2630	O−Ring	2
21	67−2600	Bolt	3
22	67−2610	Bolt	4
23	67−2590	Oil Seal	1
24	67−2620	Bolt	1
25	67−2500	Plunger	1
26	67−2510	Spring	1
28	67−2520	Plug	1
29	67−2570	Plug	1
30	67−2640	Cap	1
31	67−2660	O−Ring	1
32	67−2650	Oil Fill Cap Assembly (Inc. Ref. #31)	1
*	75−5040	Gasket Kit (Incl. Ref. #2, 7, 16 & 17)	1

*Not Illustrated

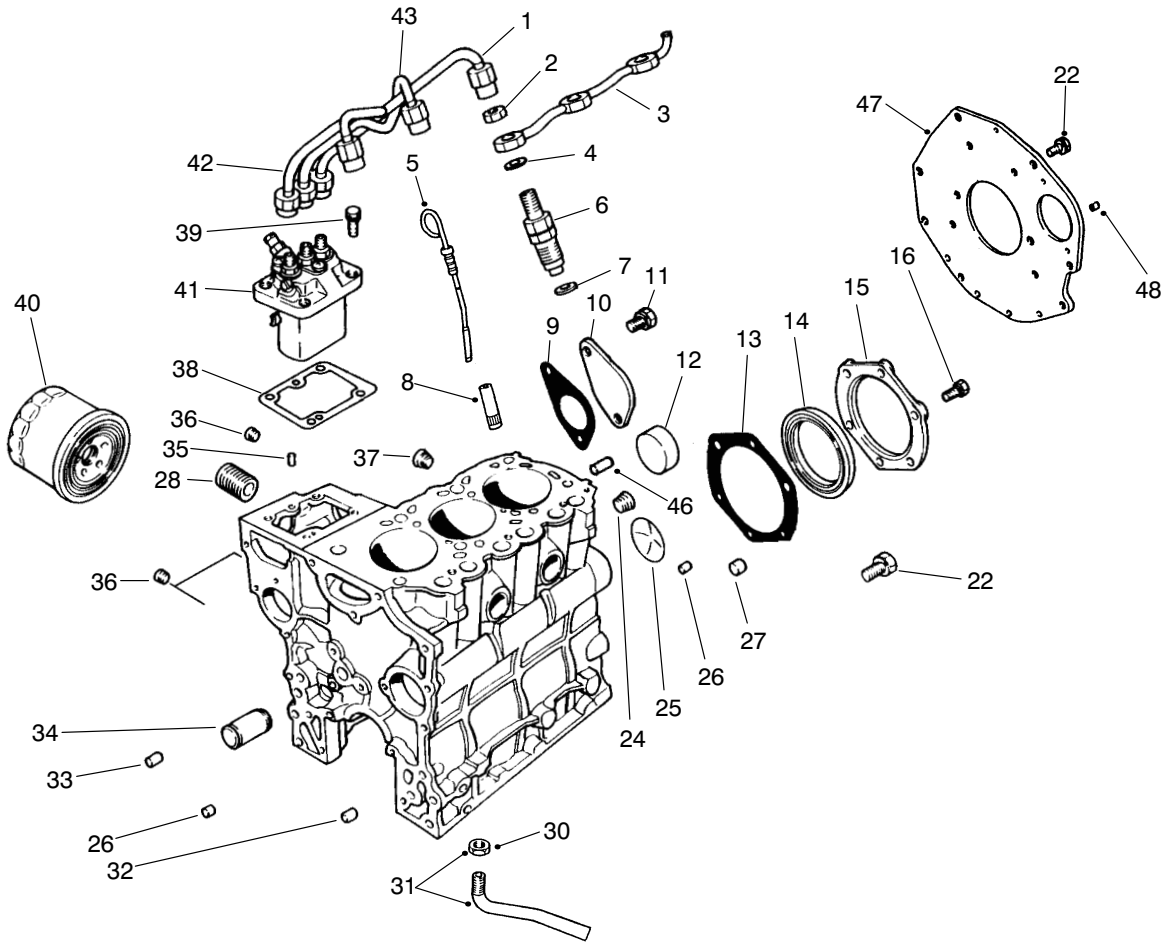


T−0568−1

WATER PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67−4360	Pulley	1
2	98−2947	V−Belt	1
3	67−2330	Bolt	2
4	67−4400	Bolt	1
5	67−2600	Bolt	1

Ref. No.	Part No.	Description	No. Used
6	67−4380	Pump Assembly	1
7	67−4390	Gasket	1
8	67−4350	Oil Pressure Switch	1
9	67−2610	Bolt	2
10	42−9490	Bolt w/Washer	4



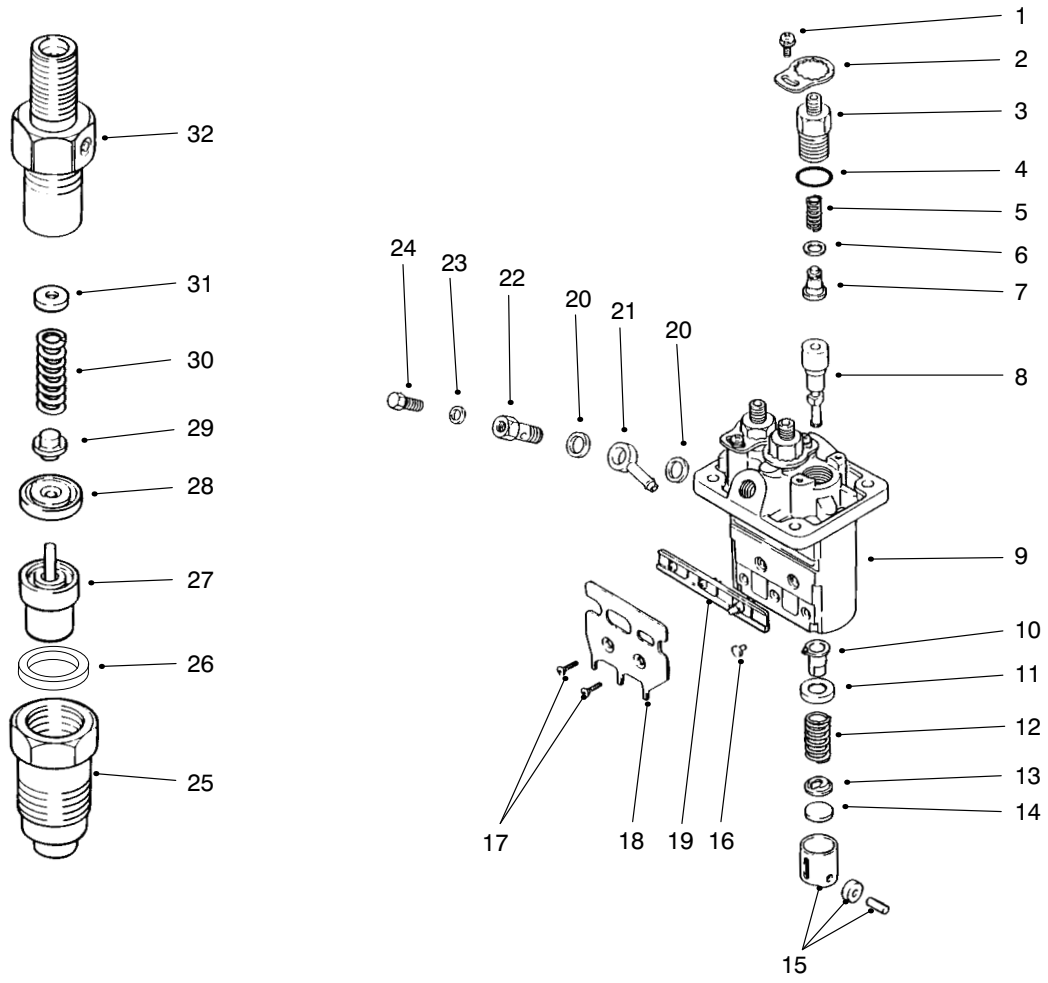
T−1667−1

FUEL SUPPLY & ENGINE BLOCK ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67−3420	Assy. − Pipe No. 3	1
2	67−3430	Nut	3
3	70−8700	Pipe − Fuel Return	1
4	67−3440	Gasket	3
5	67−2450	Dipstick	1
6	67−3380	Nozzle & Holder Assembly	1
7	67−3390	Gasket	3
8	67−2220	Guide	1
9	67−2300	Gasket	1
10	67−2290	Cover	1
11	67−2340	Bolt w/Washer	2
12	56−0020	Plug	3
13	67−2280	Gasket	1
14	67−2230	Oil Seal	1
15	67−2270	Case	1
16	67−2330	Bolt	6
22	67−2440	Bolt w/Washer	6
24	67−2390	Plug	1
25	67−2350	Plug	1
26	67−2360	Bushing	2
27	67−2380	Bushing	3
28	56−1230	Shaft − Oil Filter	1
30	42−9650	Nut − Jam	1
31	67−4340	Screen Assembly (Incl. Ref. #30)	1

Ref. No.	Part No.	Description	No. Used
32	67−2370	Bushing	1
33	42−7190	Bushing	2
34	93−8972	Shaft − Idler	1
35	56−0220	Pin	2
36	67−2210	Plug	3
37	56−0100	Plug	1
38	67−3280	Shim 0.2	1
*	67−3290	Shim 0.3	1
*	67−3300	Shim 0.5	1
*	67−3310	Shim 0.4	1
*	67−3320	Shim 0.6	1
*	67−3330	Shim 0.7	1
*	67−3340	Shim 0.8	1
*	67−3350	Shim 0.9	1
*	67−3360	Shim 1.0	1
39	67−3370	Bolt w/Washer	4
40	67−4330	Oil Filter Assembly	1
41	75−5020	Pump Assembly	1
42	67−3400	Pipe No. 1 Assembly	1
43	67−3410	Pipe No. 2 Assembly	1
46	42−7160	Pin − Dowel	1
47	92−0830	Plate − Rear	1
48	92−0831	Pin − Knock	1

*Not Illustrated



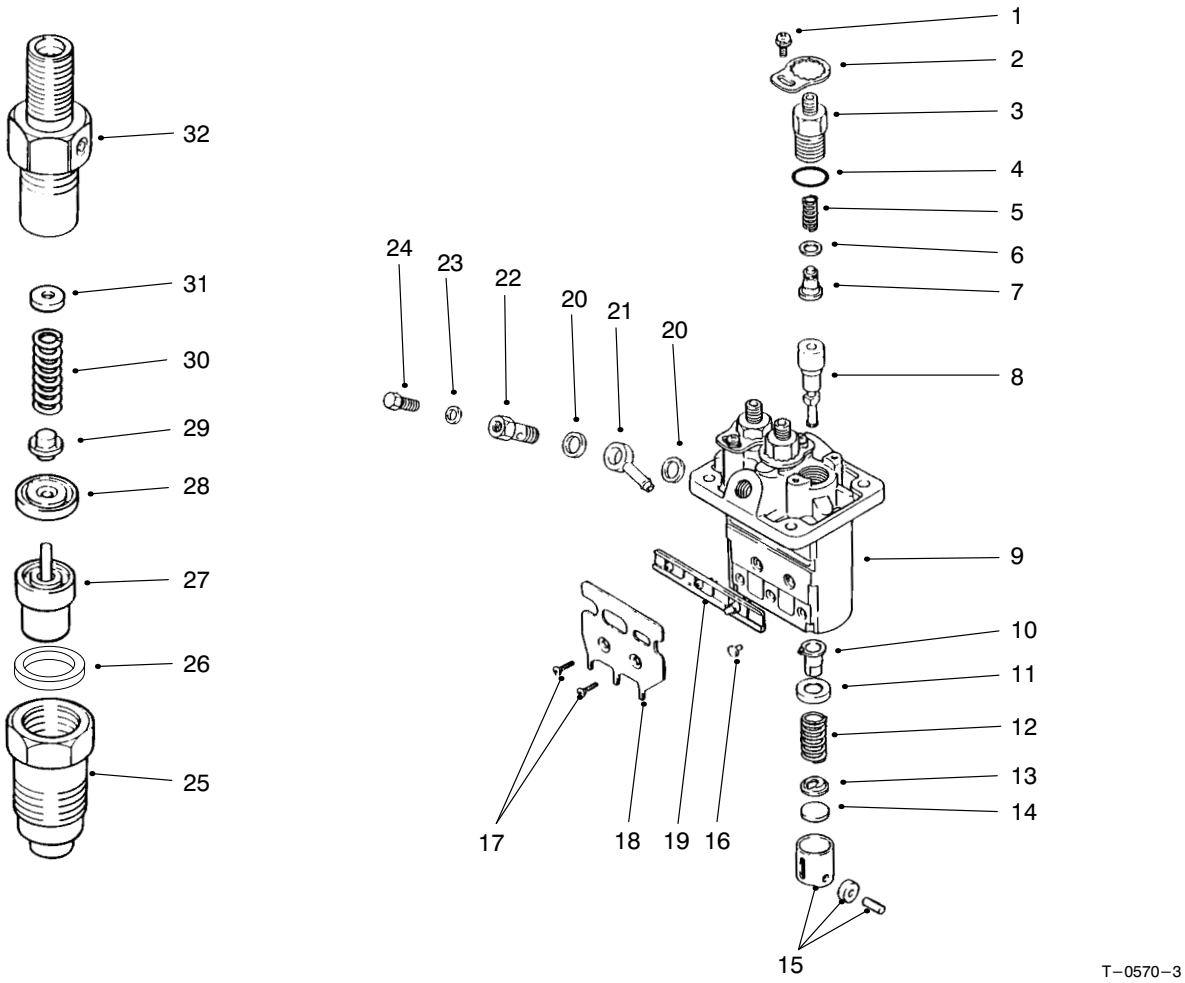
T−0570−3

FUEL INJECTION PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67−3770	Screw w/Washer	3
2	67−3760	Plate − Lock	3
3	67−3470	Holder − Delivery Valve	3
4	67−3480	O−Ring	3
5	67−3490	Spring	3
6	42−8240	Gasket	3
7	67−3500	Sub−Assy. − Valve	3
8	75−4970	Sub−Assy. − Element	3
9	67−3460	Sub−Assy. − Housing	1
10	67−3520	Sub−Assy. − Sleeve	3
11	67−3530	Seat	3
12	67−3540	Spring	3
13	67−3550	Seat	3
14	67−3560	Plate − Shim 1.85	1
*	67−3570	Plate − Shim 1.9	1
*	67−3580	Plate − Shim 1.95	1
*	67−3590	Plate − Shim 2.0	1
*	67−3600	Plate − Shim 2.05	1
*	67−3610	Plate − Shim 2.1	1
*	67−3620	Plate − Shim 2.15	1
*	67−3630	Plate − Shim 2.2	1

Ref. No.	Part No.	Description	No. Used
*14	67−3640	Plate − Shim 2.25	1
*	67−3650	Plate − Shim 2.3	1
*	67−3660	Plate − Shim 2.35	1
*	67−3670	Plate − Shim 2.4	1
*	67−3680	Plate − Shim 2.45	1
*	67−3690	Plate − Shim 2.5	1
15	67−3700	Tappet Assembly	3
16	67−3810	Pin	3
17	67−3790	Screw	2
18	67−3800	Bracket	1
19	67−3780	Rack Assembly	1
20	67−3750	Washer	2
21	67−3740	Nipple	1
22	67−3730	Screw	1
23	67−3720	Washer	1
24	67−3710	Screw − Air Bleed	1
25	67−3970	Nut	3
26	67−3980	Gasket	3
27	67−3960	Nozzle Assembly	3
28	67−3950	Piece	3
29	67−3940	Pin	3
30	67−3930	Spring	3

*Not Illustrated

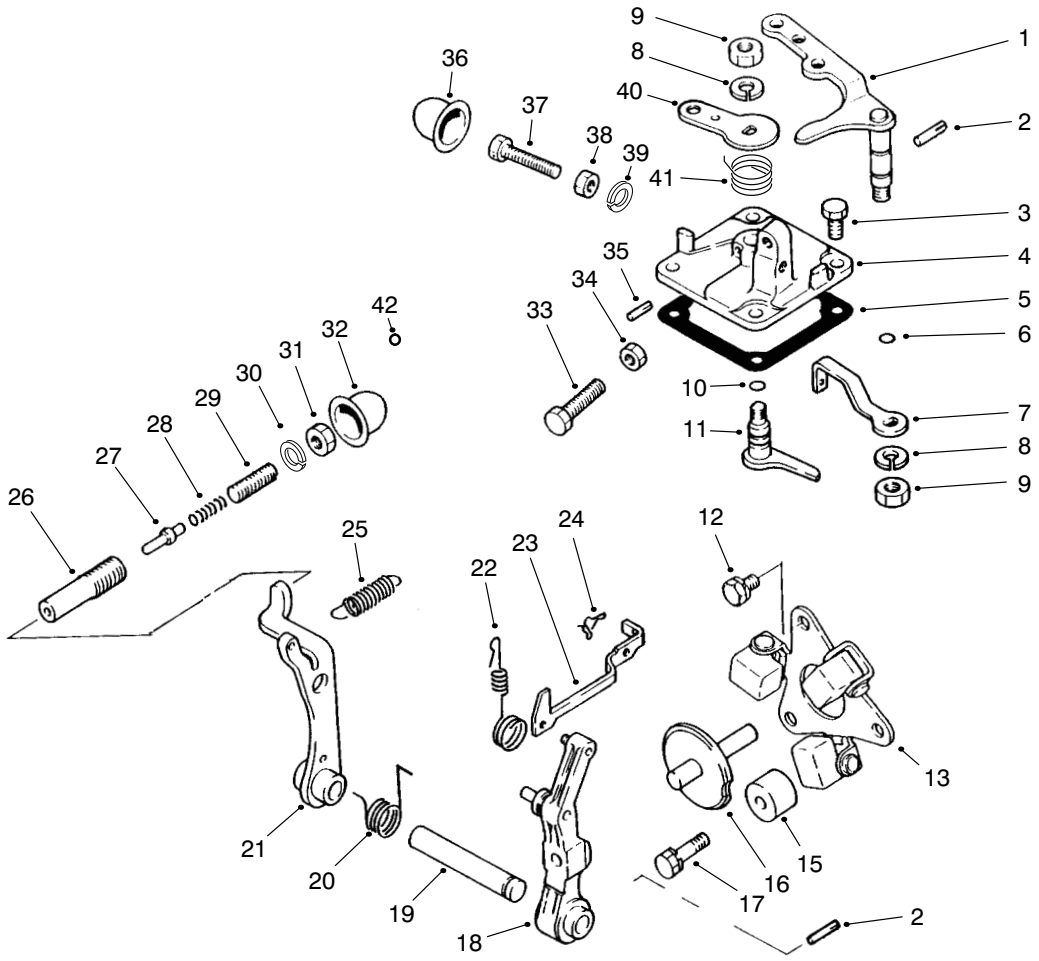


FUEL INJECTION PUMP ASSEMBLY

Ref. No.	Part No.	Description	No. Used
31	67−3830	Washer 1.25	1
*	67−3840	Washer 1.3	1
*	67−3850	Washer 1.35	1
*	67−3860	Washer 1.4	1
*	67−3870	Washer 1.45	1
*	67−3880	Washer 1.5	1
*	67−3890	Washer 1.55	1
*	67−3900	Washer 1.6	1
*	67−3910	Washer 1.65	1
*	67−3920	Washer 1.7	1

Ref. No.	Part No.	Description	No. Used
32	75−5000	Body Sub−Assy.	3
*	53−8150	Pump Assembly (Incl. Ref. #1−24)	1
*	67−3380	Nozzle & Holder Assembly (Incl. Ref. #25−32)	3

*Not Illustrated



T−0571−2

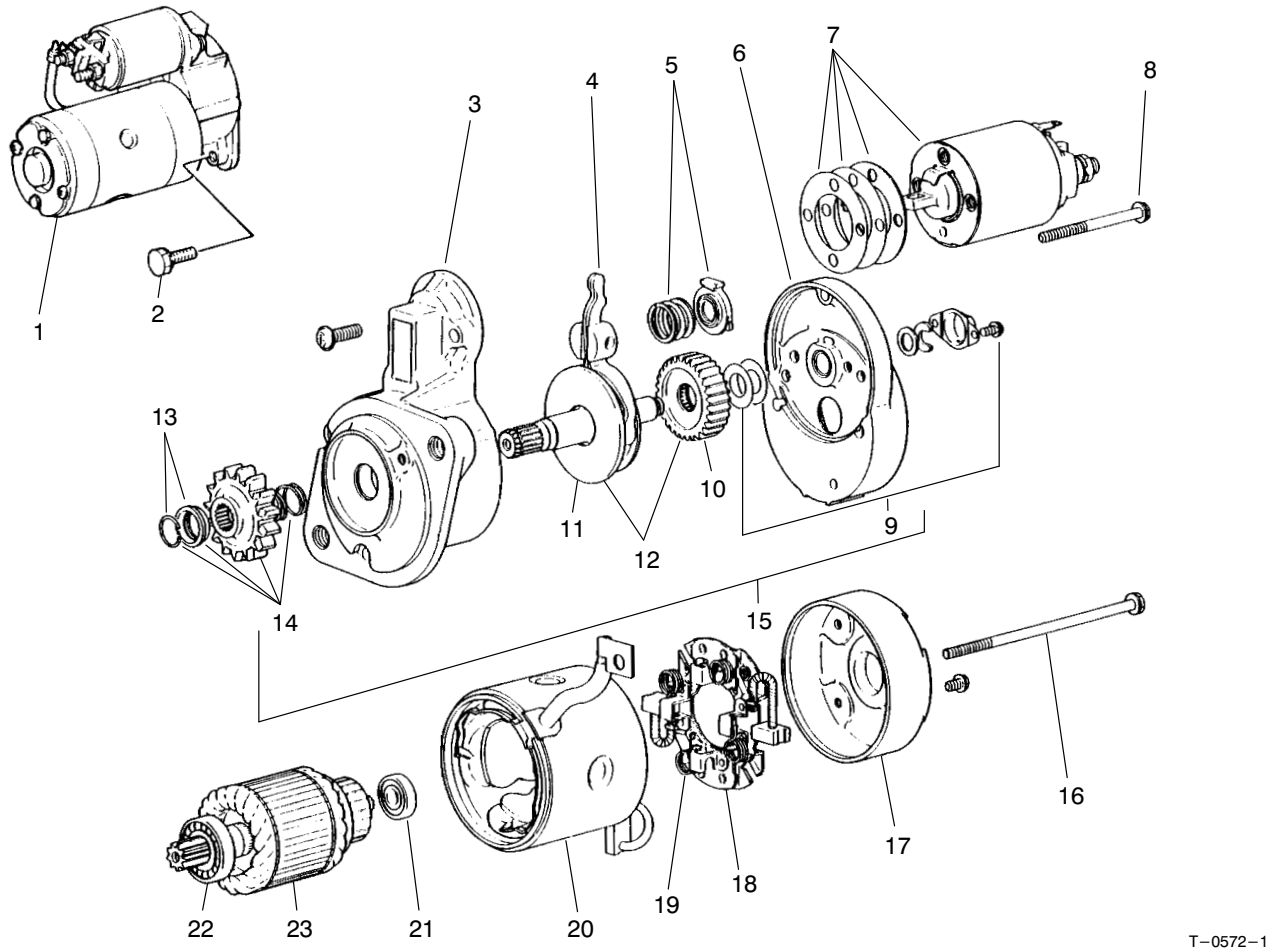
GOVERNOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	67−3990	Lever − Speed Control	1
2	67−4000	Pin	2
3	67−4270	Bolt	4
†4		Cover − Governor	1
5	67−4160	Gasket	1
6	42−8830	Seal − O−Ring	1
7	75−4980	Lever − Governor Spring	1
8	67−3260	Washer	2
9	42−9640	Nut − Jam	2
10	42−8830	Seal − O−Ring	1
11	67−4140	Lever − Stop	1
12	42−9430	Bolt W/Washer	2
13	67−4040	Weight Assembly	1
15	67−4010	Stopper	1
16	67−4070	Shaft − Sliding	1
17	67−4280	Bolt W/Washer	1
18	67−4060	Lever − Governor	1
19	67−4050	Shaft − Governor	1
20	67−5040	Spring	1
21	67−4090	Lever − Tension	1
22	70−8720	Spring − Tie Rod	1

Ref. No.	Part No.	Description	No. Used
23	67−4030	Rod − Tie	1
24	67−4080	Clip	1
25	75−4990	Spring − Governor	1
†26		Case − Torque Set	1
†27		Stopper − Torque Set	1
†28		Spring − Torque Set	1
†29		Screw − Adjusting	1
†30		C−Ring − Torque Set	1
†31		Nut − Torque Set	1
†32		Cover − Torque Set	1
33	42−9420	Bolt − Speed Set	1
34	67−4290	Nut	1
35	67−4120	Pin − Grooved	1
†36		Cover − High Speed Set	1
†37		Bolt − High Speed Set	1
†38		Nut − High Speed Set	1
†39		C−Ring − High Speed Set	1
40	67−4150	Lever − Stop	1
41	94−3827	Spring − Return	1
*†		Torque Spring Set (Incl. Ref. #26−31)	1

*Not Illustrated

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

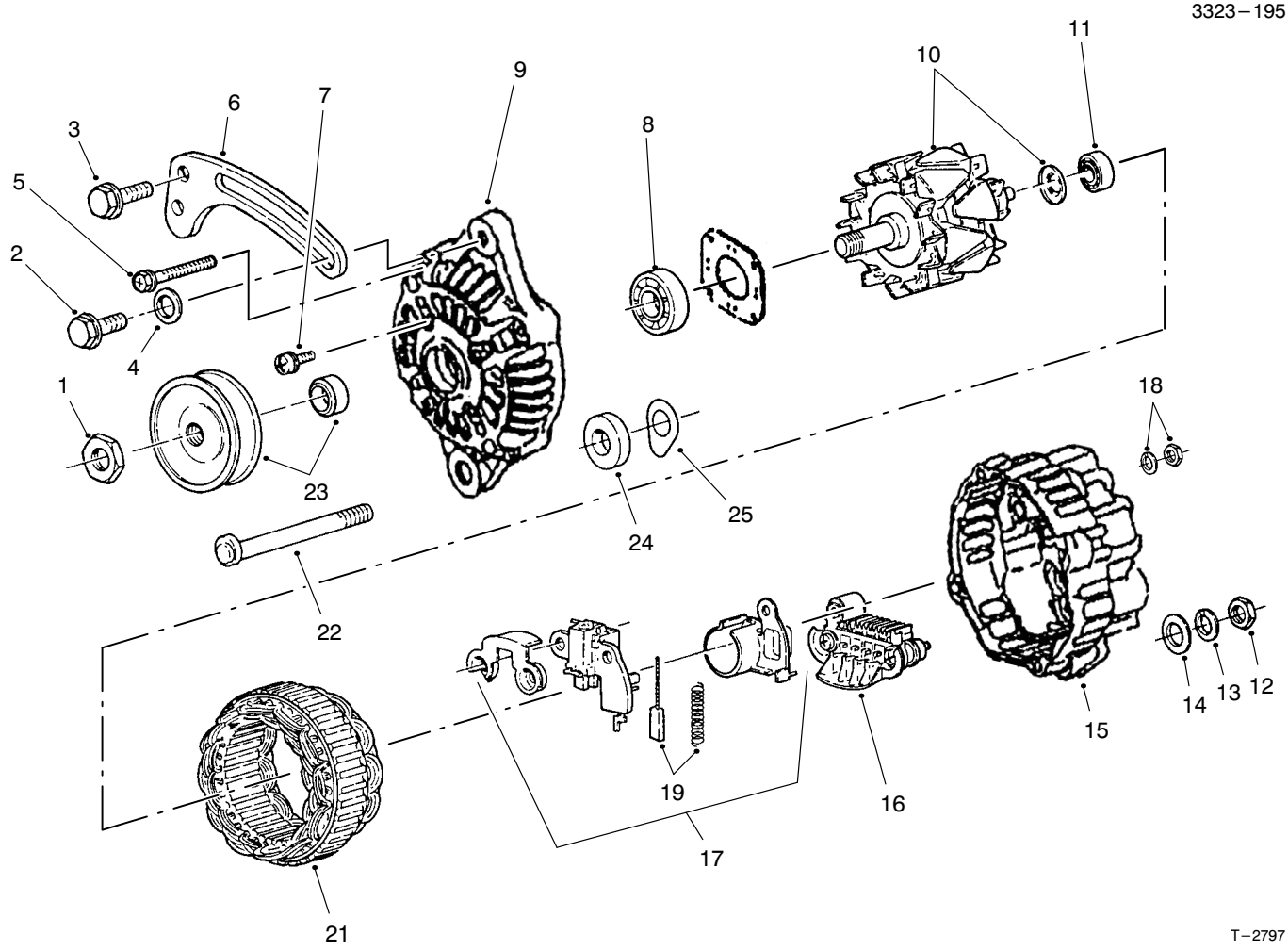


T−0572−1

STARTER ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	70−8760	Starter Assembly (Incl. Ref. #3−23)	1
2	92−0843	Bolt w/Washer	2
3	70−8770	Front Bracket Assembly	1
4	67−4720	Lever Assembly	1
5	67−4730	Spring Set	1
6	70−8780	Center Bracket Assembly	1
7	67−4750	Switch Assembly	1
8	52−1570	Bolt Set	1
9	56−1680	Cover Set	1
10	56−1670	Gear	1
11	67−4790	Shaft Assembly	1
12	67−4780	Gear Set (Incl. Ref. #10 & 11)	1
13	56−1640	Stopper Set	1

Ref. No.	Part No.	Description	No. Used
14	67−4770	Pinion Set (Incl. Ref. #13)	1
15	67−4760	Shaft Assembly (Incl. Ref. #9 − 12 & 14)	1
16	56−1610	Bolt	1
17	56−1720	Assy. − Bracket (Rear)	1
18	56−1700	Brush Holder Assembly (Incl. Ref. #19)	1
19	56−1710	Spring − Brush	4
20	67−4800	Yoke Assembly	1
21	56−1600	Bearing − Rear	1
22	56−1590	Bearing − Front	1
23	56−1580	Armature Set (Incl. Ref. #21 & 22)	1



T−2797

ALTERNATOR ASSEMBLY

Ref. No.	Part No.	Description	No. Used
1	98−2929	Nut − Set	1
2	67−4660	Bolt − Flange	1
3	42−9440	Bolt w/Washer	1
4	54−8660	Washer − Flat	1
5	98−2931	Bolt Set (4 Bolts)	1
6	98−2948	Brace − Generator	1
7	98−2926	Screw Set (3 Screws)	1
8	98−2927	Bearing − Front	1
9	98−2925	Front Housing Assembly (Incl. Ref. #7 & 8)	1
10	98−2928	Rotor Assembly (Incl. Ref. #11)	1
11	98−2932	Bearing − Rear	1
12	67−4670	Nut	1
13	67−3260	Washer − Lock	1
14	42−9660	Washer − Flat	1

Ref. No.	Part No.	Description	No. Used
15	98−2934	Rear Housing Assembly (Incl. Ref. #12−19)	1
16	98−2937	Rectifier Assembly	1
17	98−2935	Regulator Assembly (Incl. Ref. #18 & 19)	1
18	98−2938	Nut Set − Terminal	1
19	98−2936	Brush Assembly	2
21	98−2933	Stator Assembly	1
22	67−4640	Bolt	1
23	98−2930	Pulley Set	1
24	67−4620	Spacer	1
25	43−0370	Shim	5
*	98−2949	Alternator Assembly (Incl. Ref. #1, 5, 7−11, 15−21 & 23)	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 Workman 3320D 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. In any correspondence concerning the Workman 3320D, 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 Workman 3320D.
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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