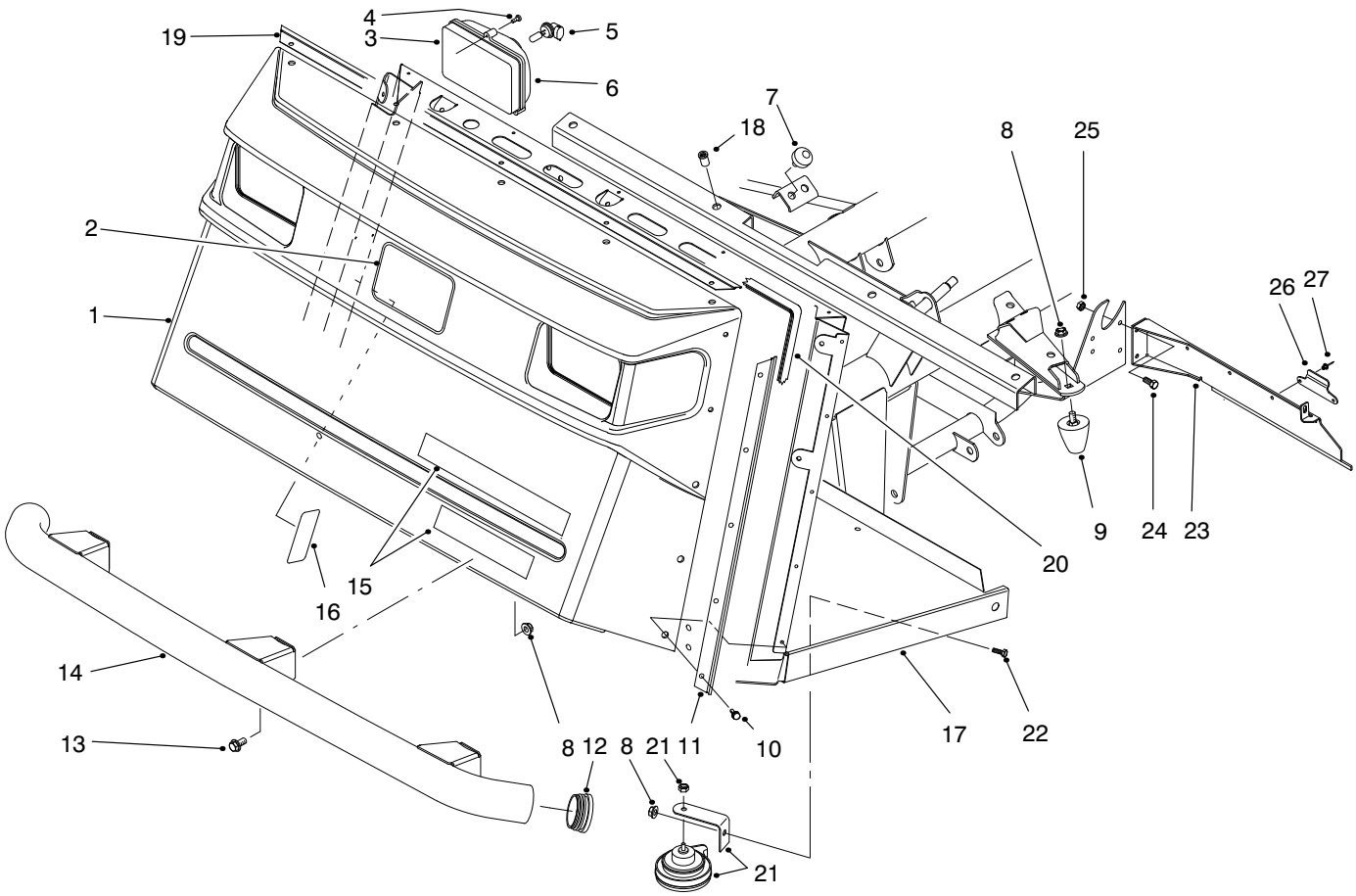
FORM NO. 3323–187

TORO®

MODEL NO. 07231–90001 & UP

PARTS CATALOG

WORKMAN® 3220



T–1581–1

FRONT BUMPER & HOOD ASM

Ref. No.	Part No.	Description	No. Used
1	98–2979	Hood	1
2	62–5550	Decal–TORO	1
3	87–2120	Asm–Headlight (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–HFH	8
9	26–0071	Bumper	2
10	87–6620	Screw	15
11	87-8120-03	Bracket–Trim Side	2
12	2410–42	Cap–Front Bumper	2
13	3234–1	Screw–HFH	6
14	87-4070-03	Bumper–Front	1

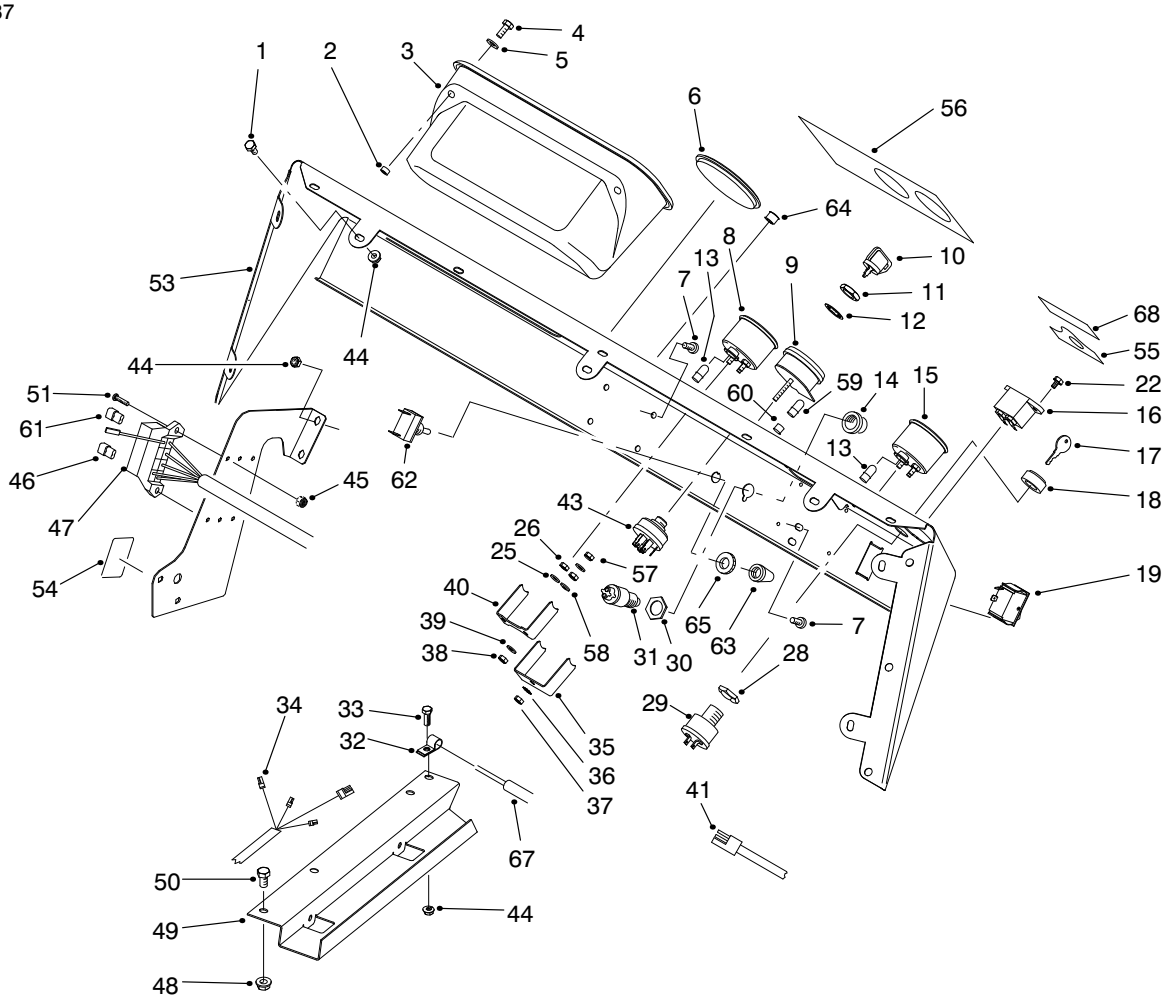
Ref. No.	Part No.	Description	No. Used
15	99–9434	Decal–Workman 3220	1
16	87–7000	Decal–Load	1
17	94–5240	Asm–Operators Platform (Incl. Ref. #18)	1
18	32148–7	Nut–Clinch	8
19	87-8130-03	Bracket–Trim Top	1
20	87–8160	Trim	1
21	116749	Asm–Horn	1
22	323–4	Screw–HH	1
23	94-3838-03	Bracket–Mudflap LH	1
*	94-3839-03	Bracket–Mudflap RH	1
24	321–4	Screw–HH	4
25	32128–33	Nut–HFH	4
26	100-4469-03	Bracket–Shroud	2
27	146489	Rivet	4

*Not Illustrated

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TPS

3323−187

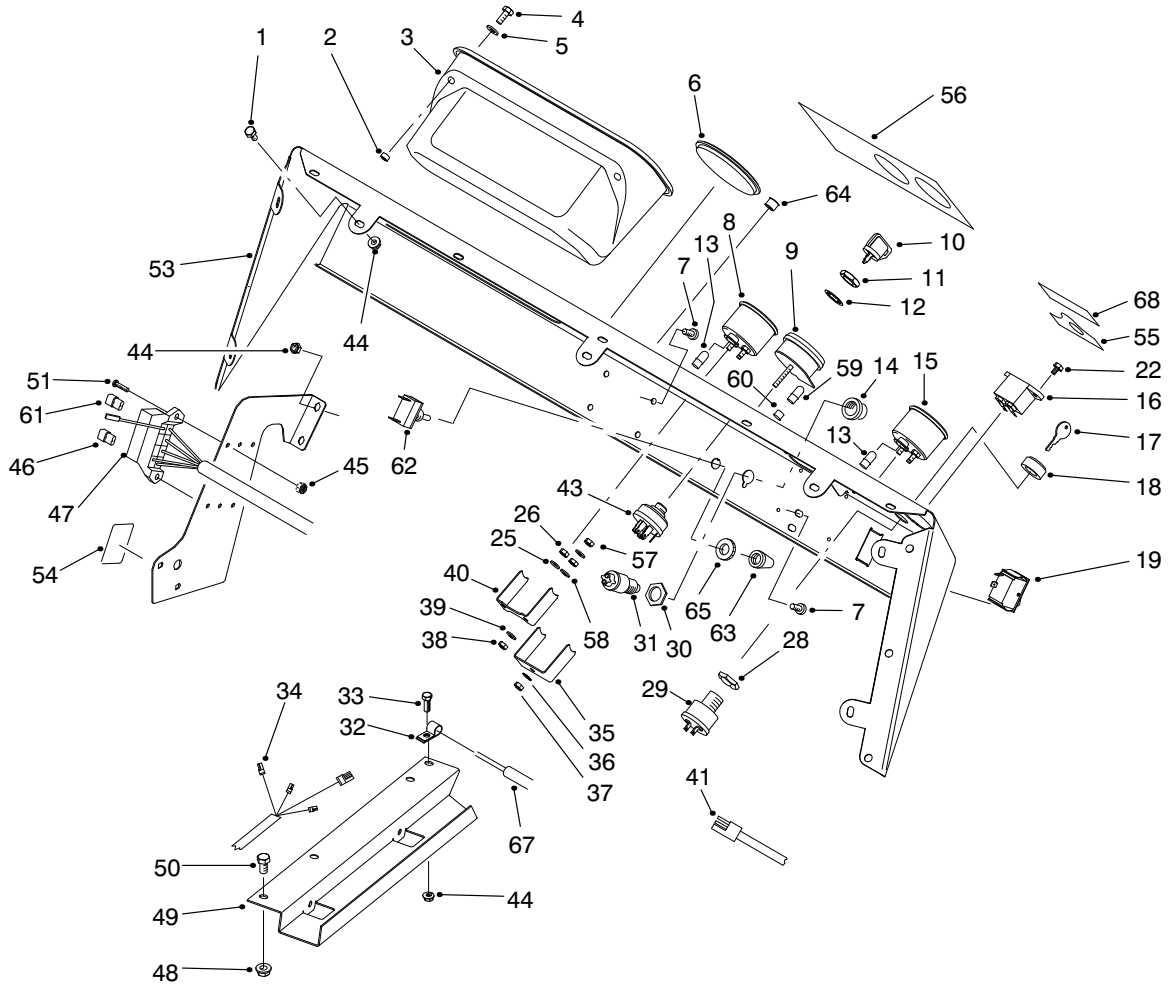


T−3297

CONTROL PANEL ASM

Ref. No.	Part No.	Description	No. Used
1	321−2	Screw−HH	7
2	32148−6	Insert−Threaded	2
3	87−3780	Box−Glove	1
4	321−3	Screw−HH	2
5	3256−22	Washer−Flat	2
6	2410−35	Plug−Hole	1
7	3274−31	Screw−HSBH	4
8	87−5590	Asm−Temperature Gauge (Incl. Ref. #38−40, 57 & 58)	1
9	93−7053	Asm−Warning Light (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	Asm−Fuel Gauge (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−HH	2
28		Nut−Hex.	1
29	94−5245	Asm−Supervisor Switch (Incl. Ref. #17, 18 & 28)	1

Ref. No.	Part No.	Description	No. Used
30		Nut−Hex.	1
31	18−2830	Asm−Horn Switch (Incl. Ref. #14 & 30)	1
32	2412−89	Clamp−R	1
33	321−4	Screw−HH	1
34	87−8500	Harness−Wire Rear	1
35		Clamp−Light	1
36	3254−1	Washer−Lock	1
37	3217−26	Hut−Jam	1
38	3217−25	Nut−Jam	2
39	3253−15	Washer−Lock	2
40		Clamp−Temp. Gauge	1
41	87−4230	Harness−Wire Front LH	1
43	27−2360	Asm−Ignition Switch (Incl. Ref. #11 & 12)	1
44	32128−33	Nut−HFH	12
45	3296−2	Nut−Lock	2
46	218−574	Fuse−7.5 Amp	2
47	99−9425	Asm−Front Wire Harness (Incl. Ref. #13)	1
48	32128−20	Nut−HFH	3
49	93-7094-03	Cover−Wire Harness	1
50	322−2	Screw−HH	3
51	3250−13	Screw−PPH	2
53	87−8540	Asm−Control Panel (Incl. Ref. #55−56 & 68)	1



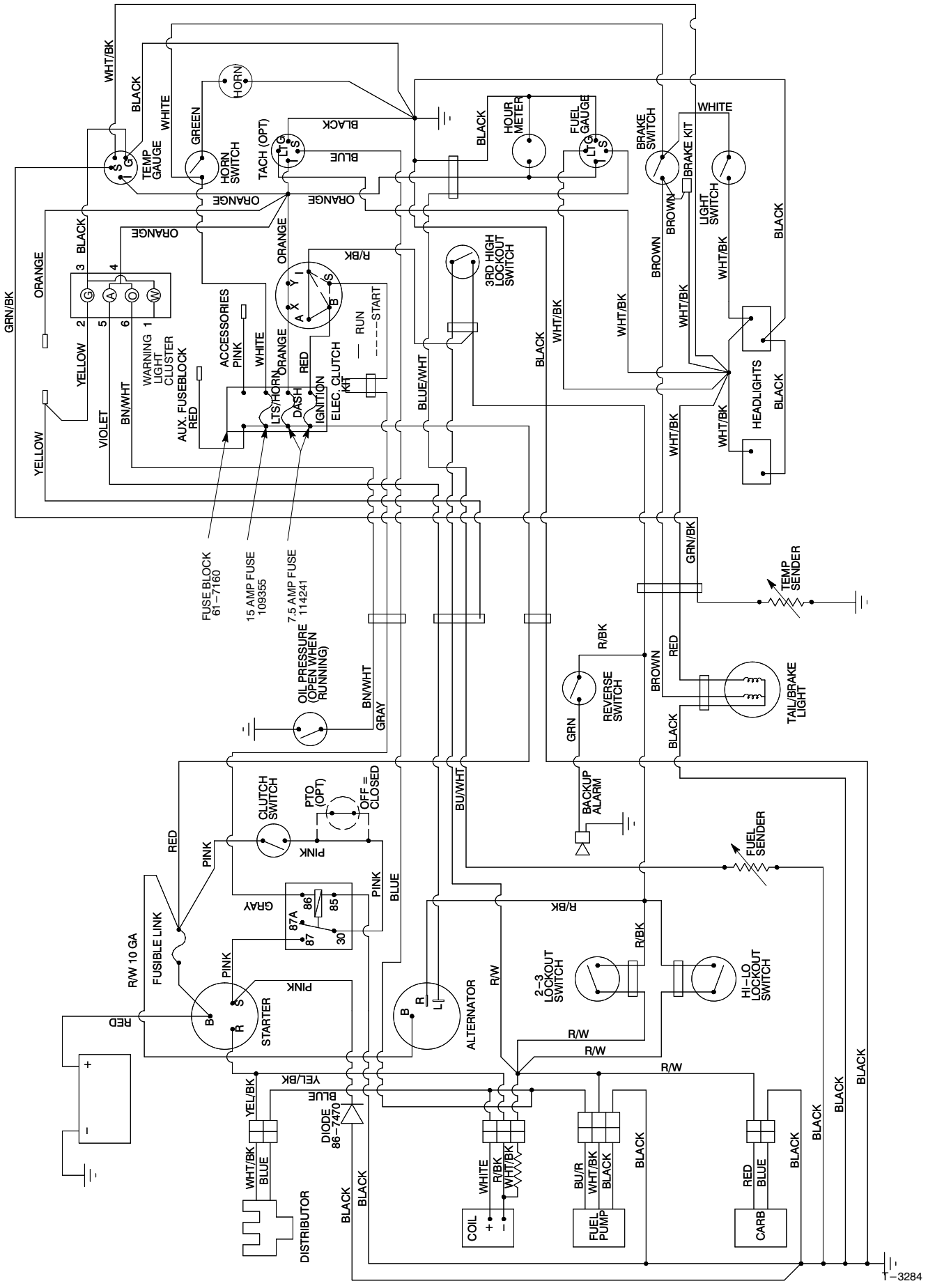
T−3297

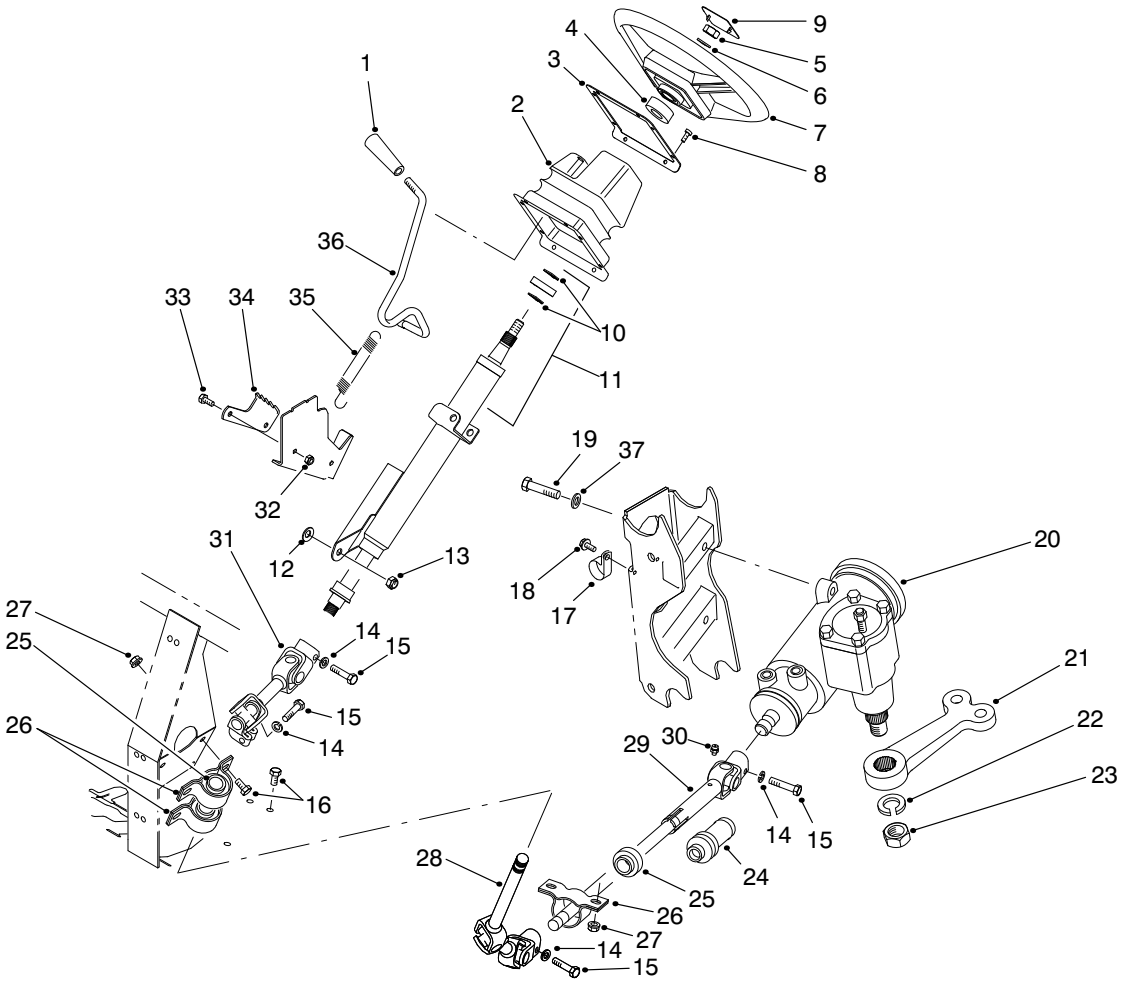
CONTROL PANEL ASM (Continued)

Ref. No.	Part No.	Description	No. Used
54	87−6670	Decal−Fuse	1
55	87−5910	Decal−Supervisor	1
56	87−8520	Decal−Dash	1
57	3253−19	Washer−Lock	3
58	3217−29	Nut−Jam	3
59	219−17	Bulb−Warning Light	4
60	87−6270	Asm−Socket & Bulb (Incl. Ref. #59)	4

Ref. No.	Part No.	Description	No. Used
61	218−581	Fuse−15 Amp	1
62	6−1659	Asm−Toggle Switch (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





T−1584−1

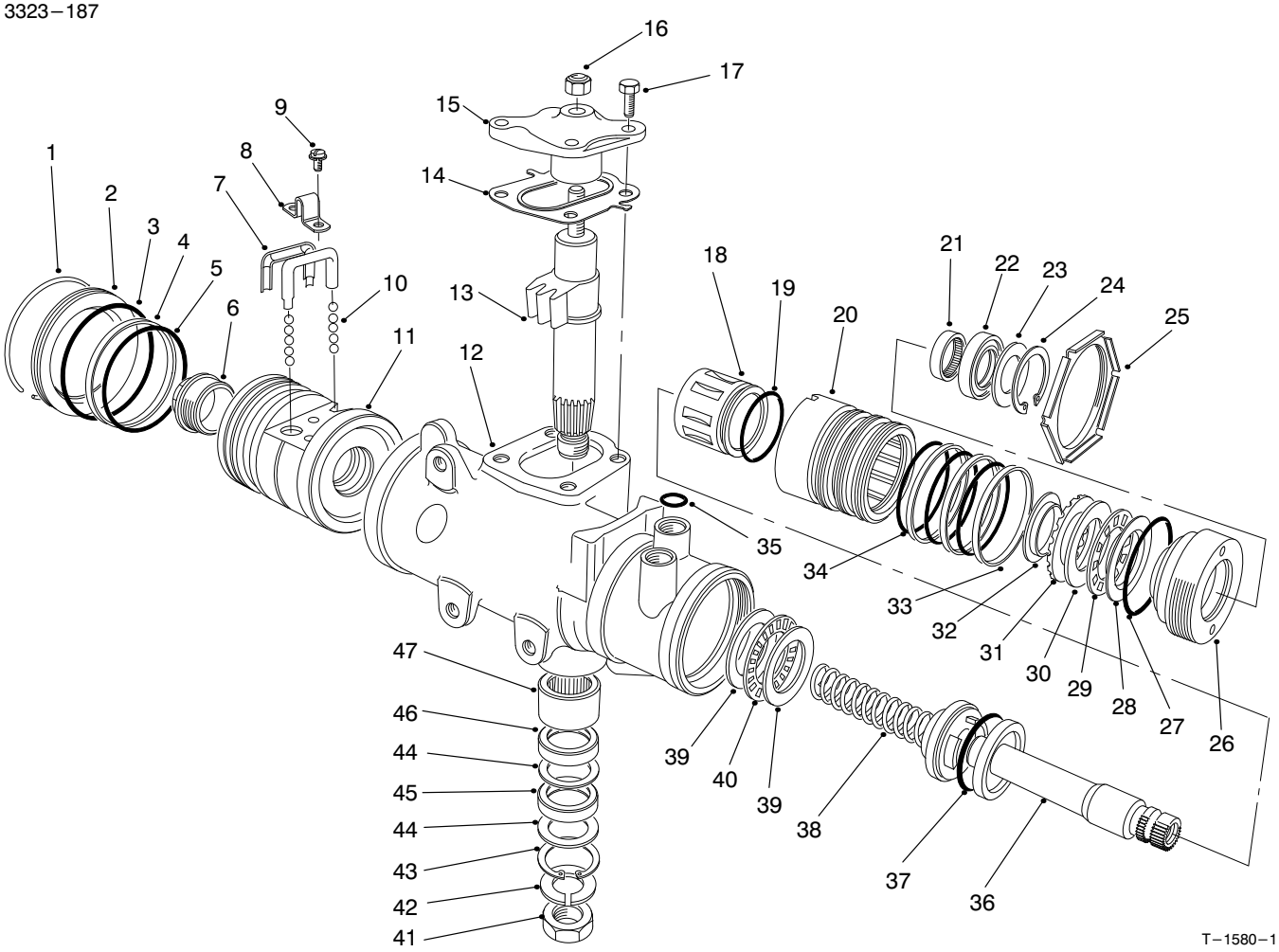
STEERING LINKAGE ASM

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−PH	8
9	87−3750	Cover−Steering Wheel	1
10	43−6550	Ring−Retaining	2
11	92−4153	Asm−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−HH	4
16	322−2	Screw−HH	6
17	2412−105	Clamp−R	2
18	32144−10	Screw−TAP	2
19	93−7145	Screw−HH	3
20	87−1500	Asm−Steering Gear (Incl. Ref. #22 & 23)	1

Ref. No.	Part No.	Description	No. Used
21	87−0370	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−HFH	6
28	92−4155	Asm−Slip Joint, Upper	1
29	92−4156	Asm−Slip Joint, Lower (Incl. Ref. #24 & 30)	1
30	302−5	Fitting−Grease	1
31	92−4154	Asm−Universal Joint	1
32	3296−42	Nut−Lock	2
33	321−3	Screw−HH	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	Asm−Lower Shaft (Incl. Ref. #24 & 28−30)	1
*	87−3120	Steering Column & Shaft (Incl. Ref. #10, 11 & 31)	1

*Not Illustrated

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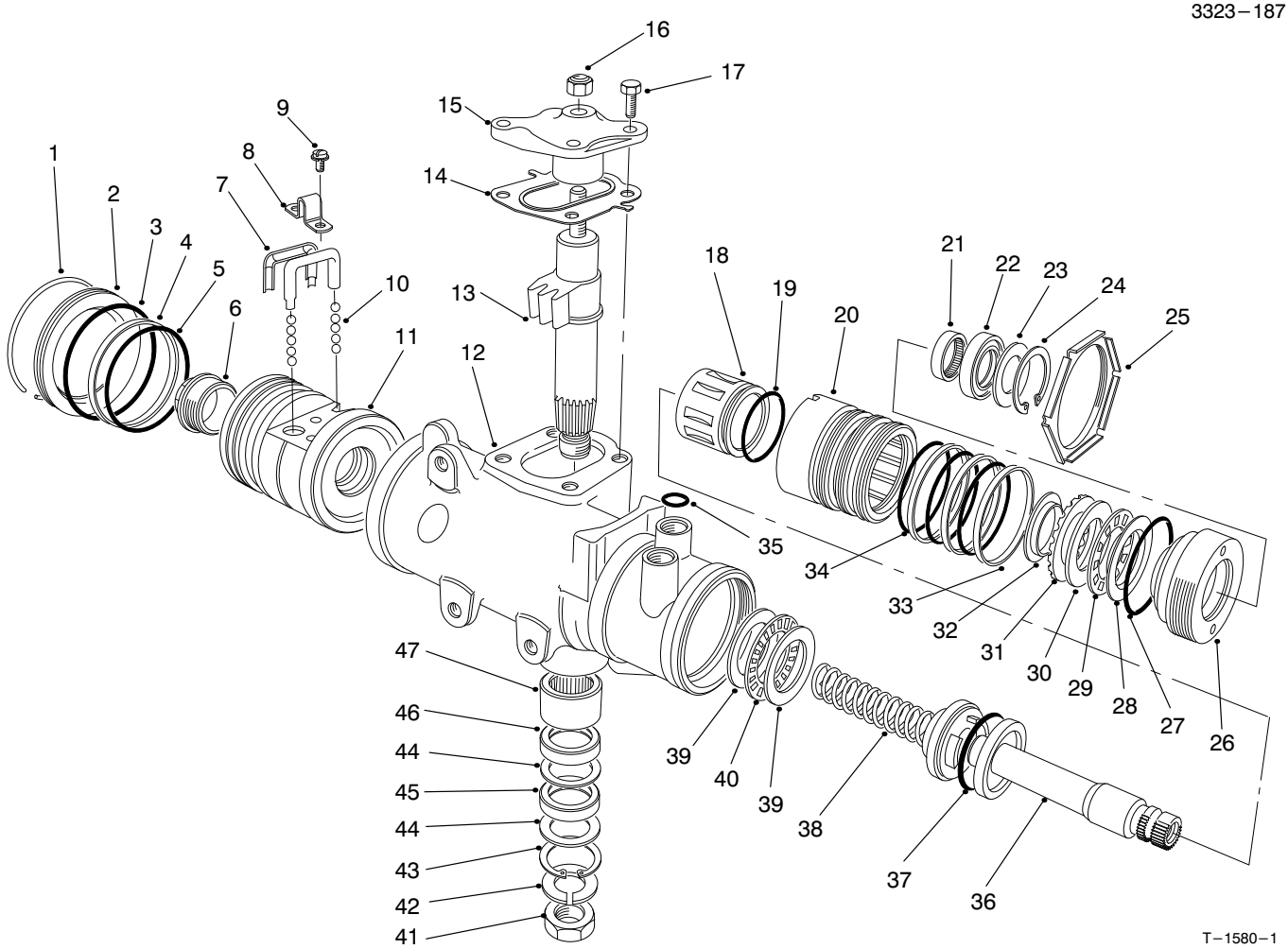


STEERING GEAR ASM NO. 87−1500

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	Asm−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	Kit−Seal, Side Cover (Incl. Ref. #17)	1
15		Cover−Housing Side	1
16	28−8220	Nut−Lash Adjuster	1
17	28−8210	Bolt−HFH	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	Asm−Cover Service Housing Side (Incl. Ref. #14−17)	1

*Not Illustrated



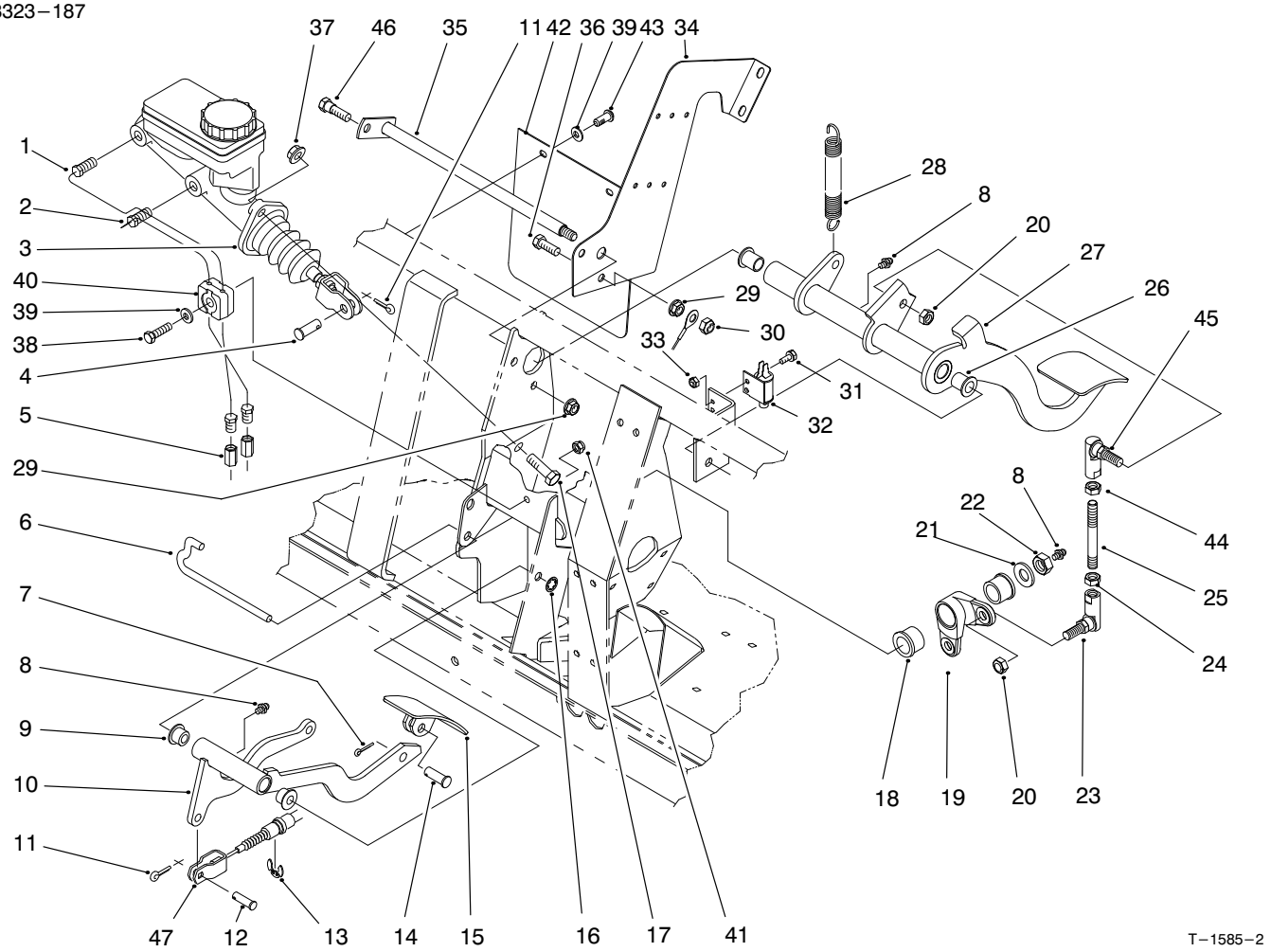
STEERING GEAR ASM NO. 87−1500

Ref. No.	Part No.	Description	No. Used
*	28−8270	Kit−Seal Service, End Plug (Incl. Ref. #1 & 3)	1
*	28−8290	Kit−Seal Service Rack/Piston (Incl. Ref. #4 & 5)	1
*	18−5180	Kit−Bearing, Lower Thrust (Incl. Ref. #39−40)	1
*	98−2962	Kit−Seal, Pitman Shaft (Incl. Ref. #43−46	1
*	18−5170	Kit−Seal, Valve Ring (Incl. Ref. #19, 33, 34 & 37)	1
*	92−4163	Asm−Steering Housing (Incl. Ref. #12 & 43−47)	1
*	92−4167	Asm−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	Asm−Valve, Hyd. Gear (Incl. Ref. #18−20, 33, 34, 36 & 37)	1
*	92−4160	Kit−Bearing Service, Upper (Incl. Ref. #28−32)	1
*	92−4166	Asm−Rack/Piston/Nut (Incl. Ref. #1−11 & 38)	1
*	92−4164	Asm−Plug, Service Adjust. (Incl. Ref. #21−24 & 26−32)	1
*	87−1500	Steering Gear (Complete)	1

*Not Illustrated

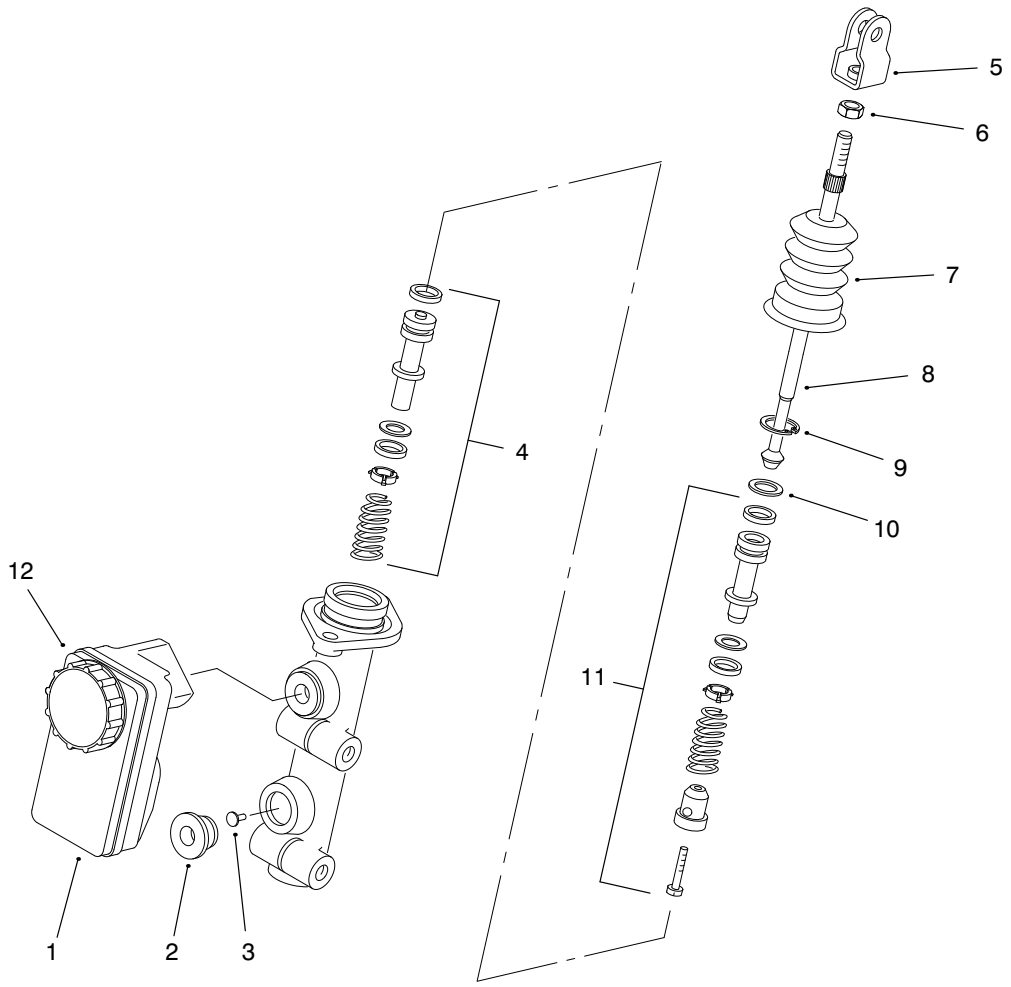
3323–187



BRAKE & ACCELERATOR PEDAL ASM

Ref. No.	Part No.	Description	No. Used
1	94–3814	Tube–Hydraulic	1
2	94–3815	Tube–Hydraulic	1
3	94–3800	Asm–Master Cylinder	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–HH	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–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–HFH	2
30	3296–29	Nut–Lock	1
31	3290–321	Screw–HFH	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–HH	1
37	3290–357	Nut–Flange	2
38	321–9	Screw–HH	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	Asm–Ball Joint	1
46	28–0540	Bolt–Shoulder	1
47	94–3836	Cable–Accelerator	1

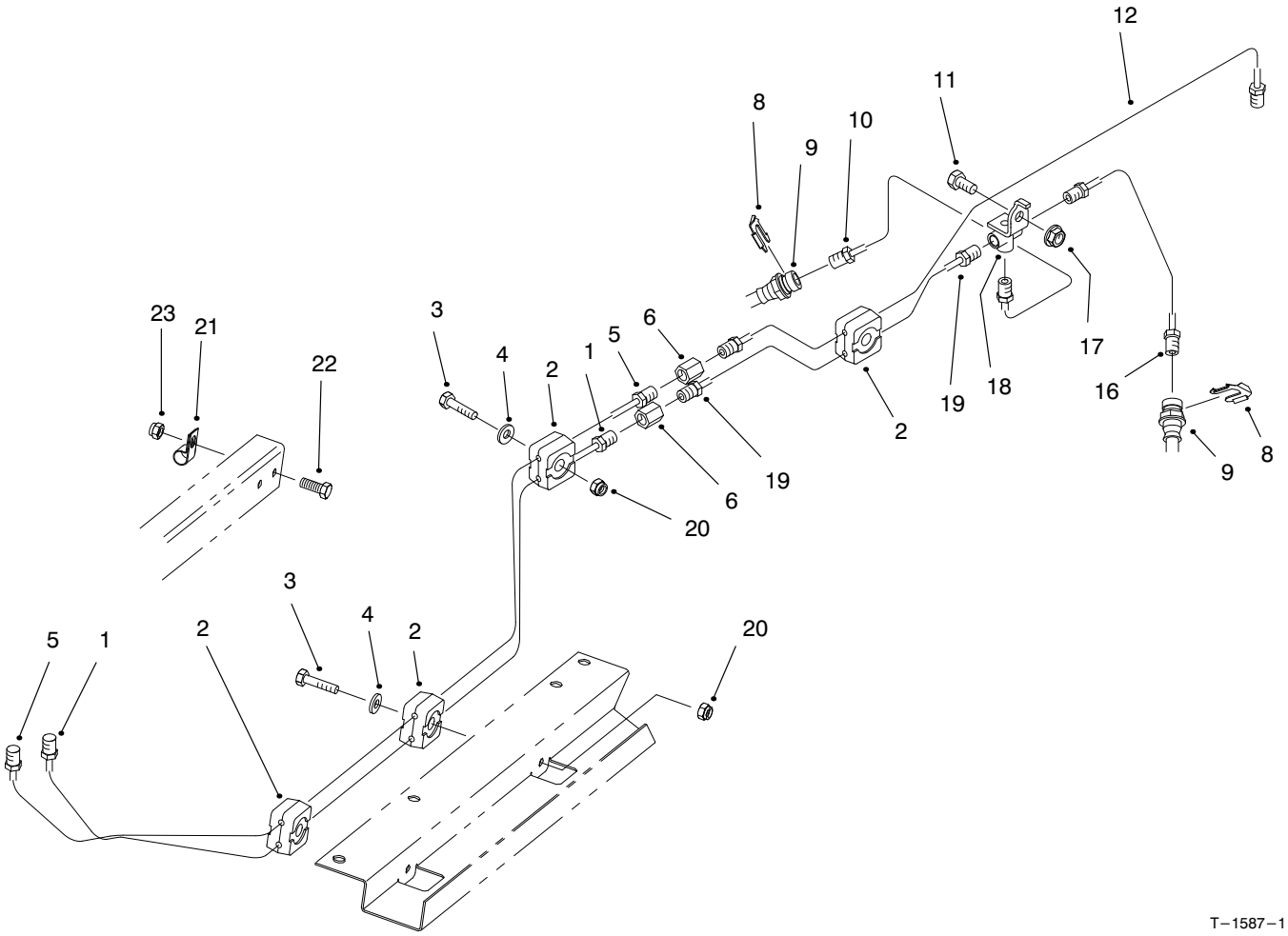


T−2339−1

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	Asm−Secondary Piston	1
5	92−4110	Clevis	1
6	21−0360	Nut−Hex.	1

Ref. No.	Part No.	Description	No. Used
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	Asm−Primary Piston	1
12	92−4112	Asm−Cap	1



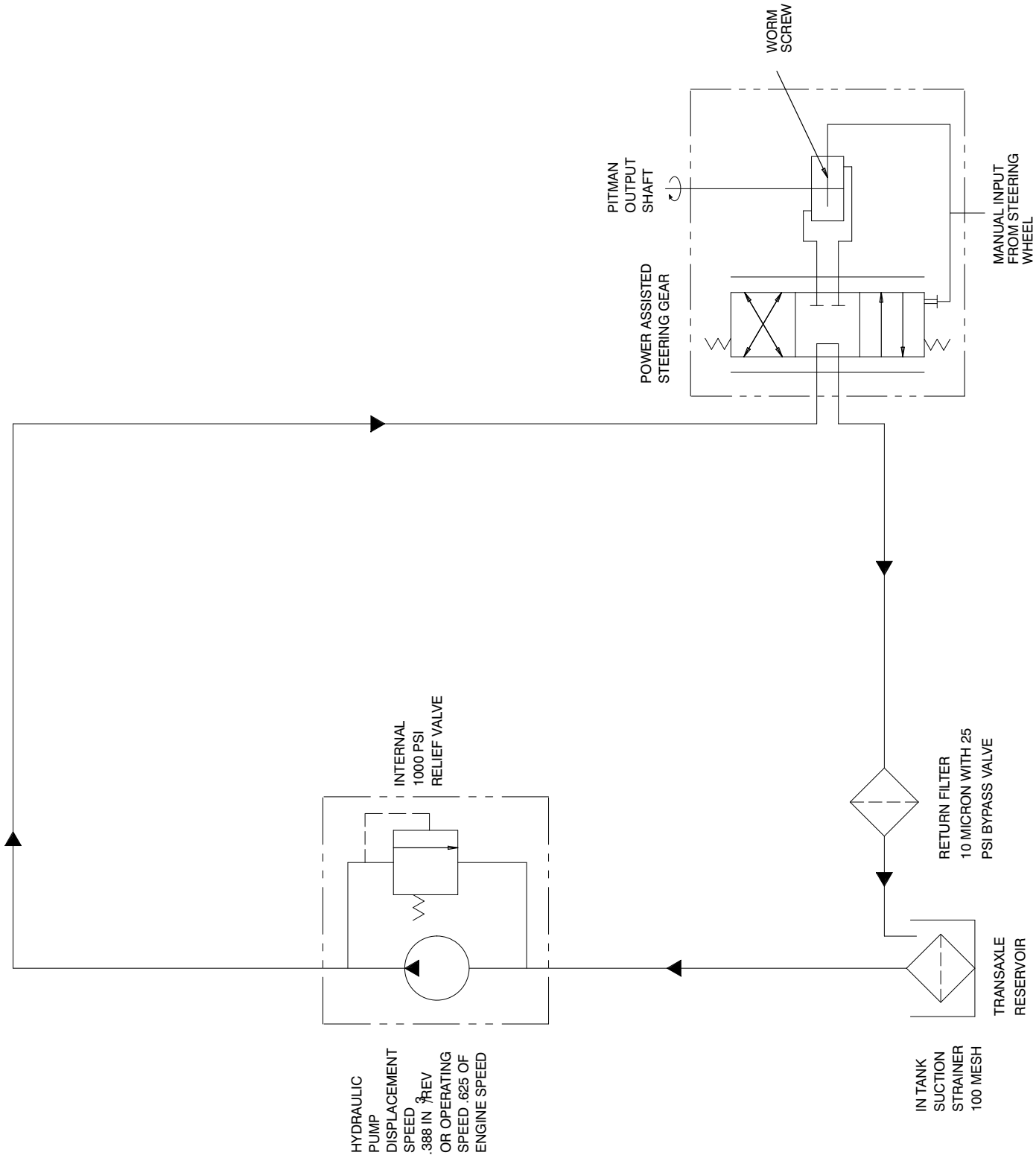
T−1587−1

HYDRAULIC BRAKE LINE ROUTING ASM

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−HH	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−HH	1

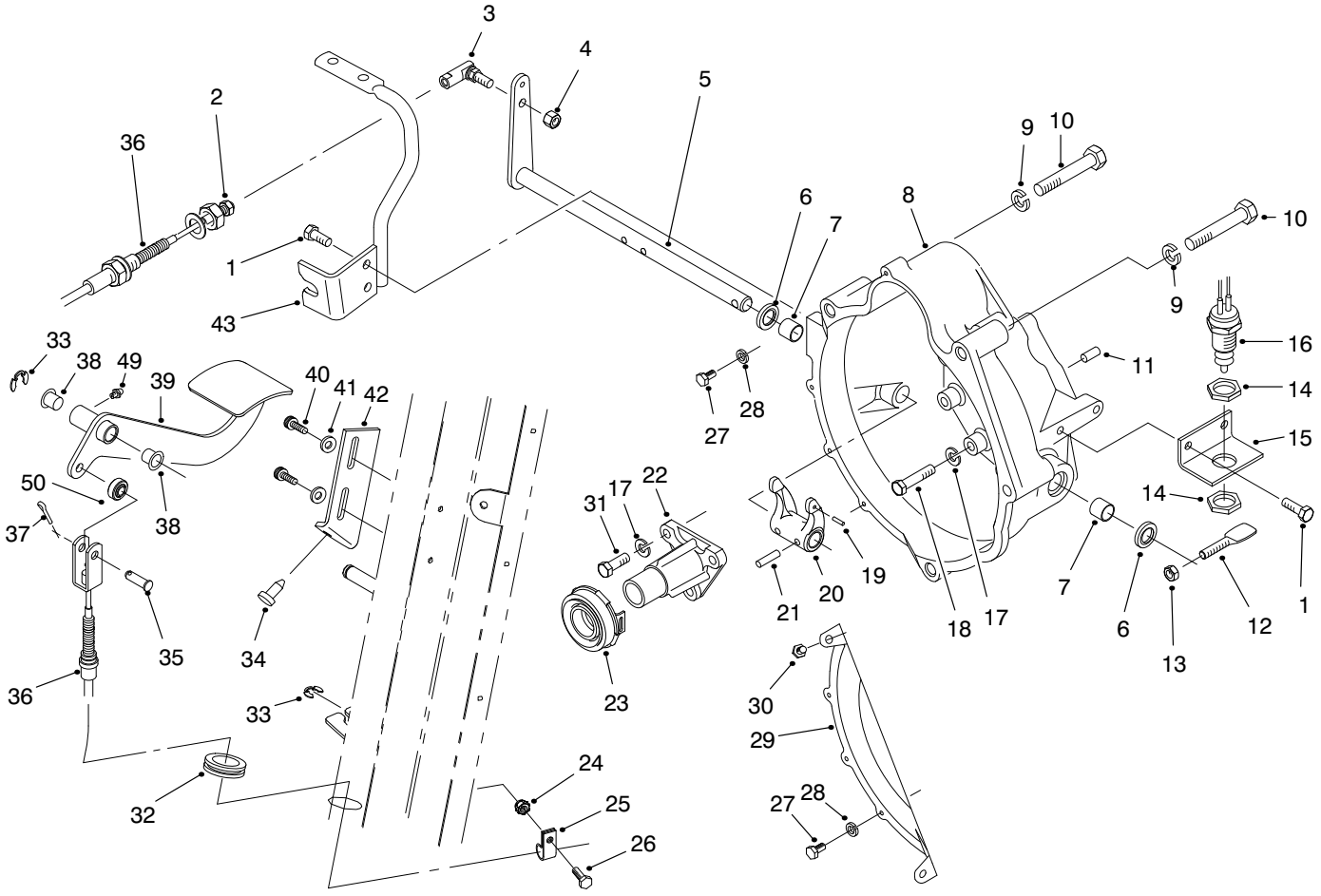
Ref. No.	Part No.	Description	No. Used
12	94−3842	Tube−Brake Rear	1
16	93−7082	Tube−Brake Front LH	1
17	32128−20	Nut−Flange	1
18	87−3560	Tee−Brake Line	1
19	93−7085	Tube−Brake Front	1
20	3296−42	Nut−Lock	4
21	2412−89	Clamp−R	1
22	321−4	Screw−HH	1
23	32128−33	Nut−Hex, Flange	1

HYDRAULIC SCHEMATIC



T−3285

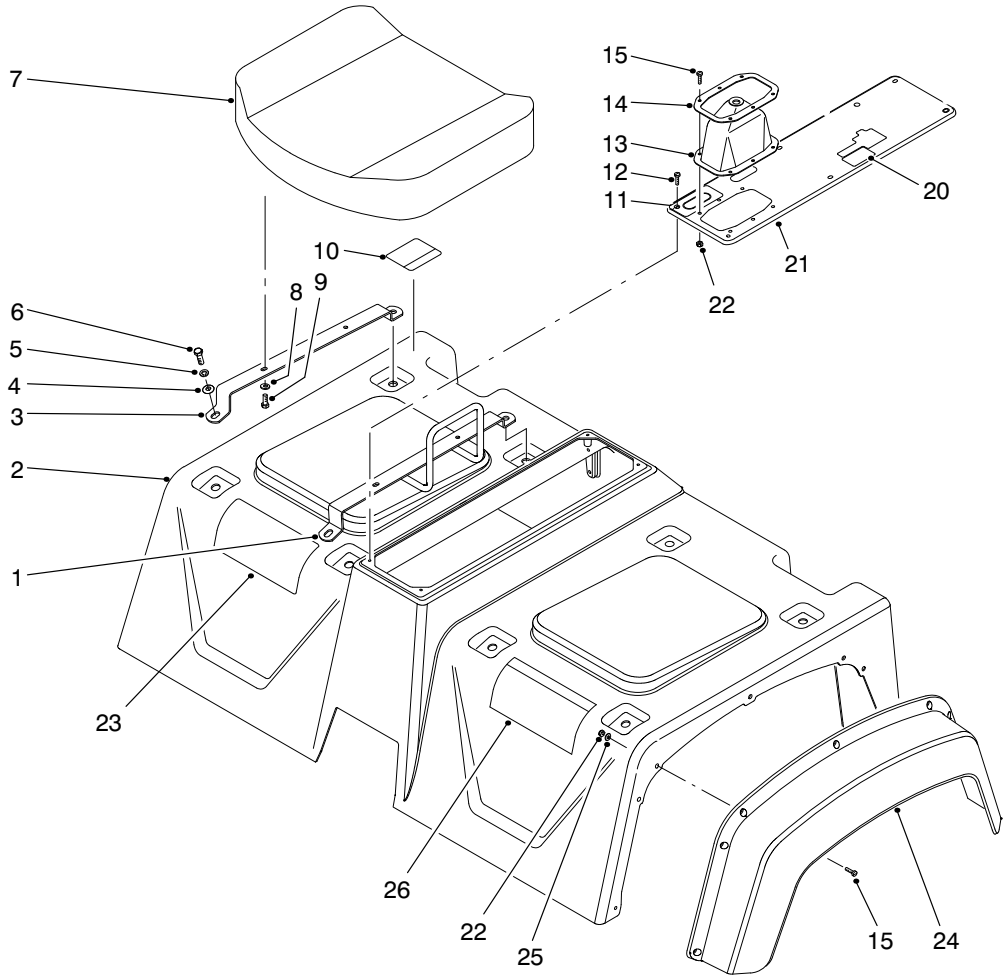
3323−187



CLUTCH LINKAGE ASM

Ref. No.	Part No.	Description	No. Used
1	66−3160	Screw−HH	2
2	3220−2	Nut−Jam	1
3	2411−33	Joint−Ball	1
4	3296−4	Nut−Lock	1
5	87−5290	Shaft−Release	1
6	87−1920	Seal−Shaft	2
7	87−3770	Bushing−Sleeve	2
8	93−7121	Housing−Bell	1
9	3253−22	Washer−Lock	4
10	56−2150	Screw−HH	4
11	87−1910	Pin−Alignment	2
12	87−5360	Lever	1
13	3296−29	Nut−Lock	1
14	3218−20	Nut−Jam	2
15	87−5350	Bracket−Switch	1
16	87−5490	Switch−Neutral	1
17	42−9850	Washer−Lock	12
18	42−9530	Screw−HH	9
19	32121−7	Pin−Roll	1
20	87−5300	Fork−Clutch	1
21	32121−24	Pin−Roll	2
22	87−5320	Guide−Release	1
23	87−2100	Bearing−Release	1

Ref. No.	Part No.	Description	No. Used
24	32128−33	Nut−HFH	1
25	2412−89	Clamp−R	1
26	321−4	Screw−HH	1
27	48−7610	Screw−HH	4
28	3253−3	Washer−Lock	4
29	92−1938	Cover−Bell Housing	1
30	92−2129	Screw−HH	2
31	57−6380	Screw−HH	3
32	240−5	Grommet	1
33	32120−47	Ring−E	2
34	87−8460	Bumper	1
35	283−75	Pin−Clevis	1
36	99−1201	Asm−Clutch Cable (Incl. Ref. #2)	1
37	3272−10	Pin−Cotter	1
38	256−156	Bushing−Flange	2
39	99-1199-03	Pedal−Clutch	1
40	87−6620	Screw−Torx Pan Hd.	2
41	3256−22	Washer−Flat	2
42	87−8710	Tab−Clutch	1
43	87−8480	Bracket−Clutch	1
49	302−5	Fitting−Grease	1
50	99−1202	Rod End	1

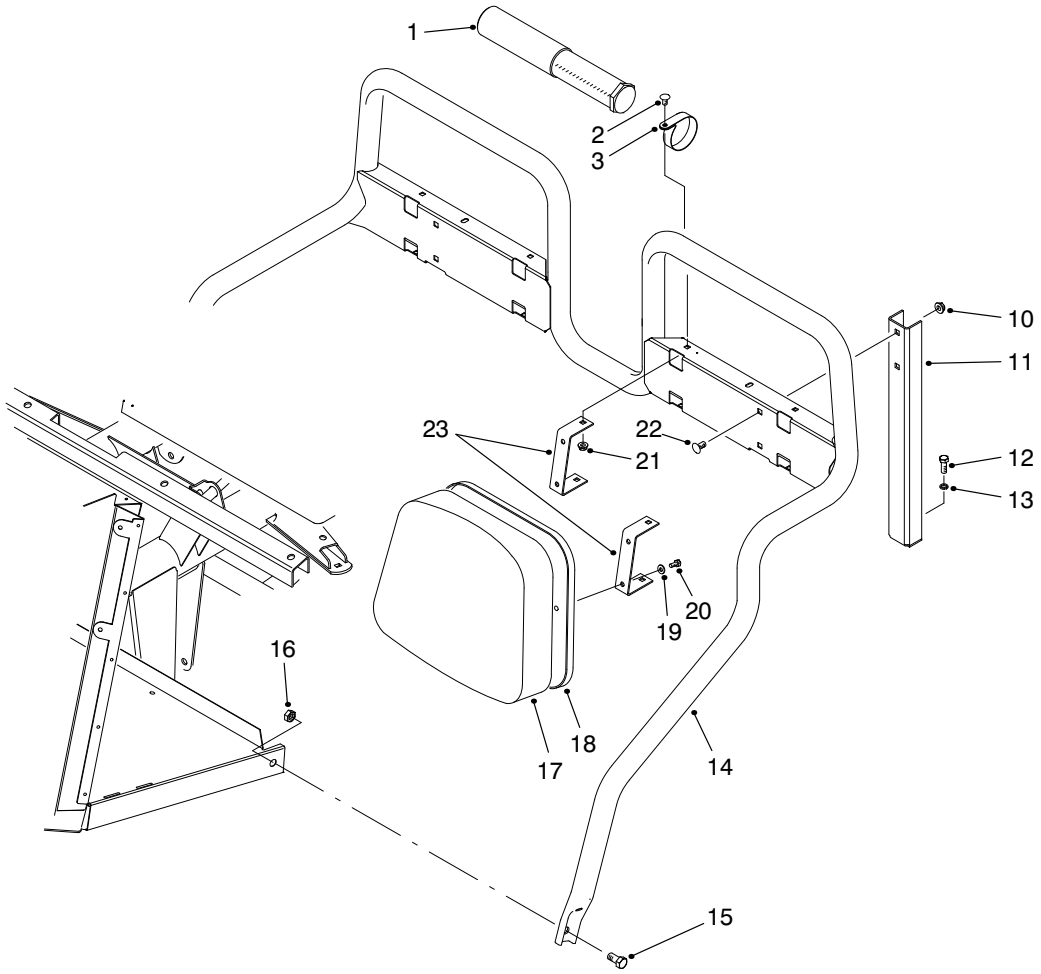


T−3286

SEAT BASE ASM

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−HH	8
7	87−5060	Cushion−Seat Bottom	2
8	3256−22	Washer−Flat	8
9	321−4	Screw−HH	8
10	87−5930	Decal−Caution	1
11	87−5960	Decal−Axle	1

Ref. No.	Part No.	Description	No. Used
12	32144−52	Screw−PH TAP	6
13	87−8620	Boot−Shift	1
14	87-3760-03	Plate−Shift Boot	1
15	3250−13	Screw−PPH	20
20	87−6020	Decal−Brake	1
21	99-9443-03	Cover−Console	1
22	3296−2	Nut−Lock	20
23	99−9138	Decal−Quick Ref.	1
24	87−9480	Fender−Front	2
25	3256−61	Washer−Flat	14
26	100−4451	Decal−Danger	1

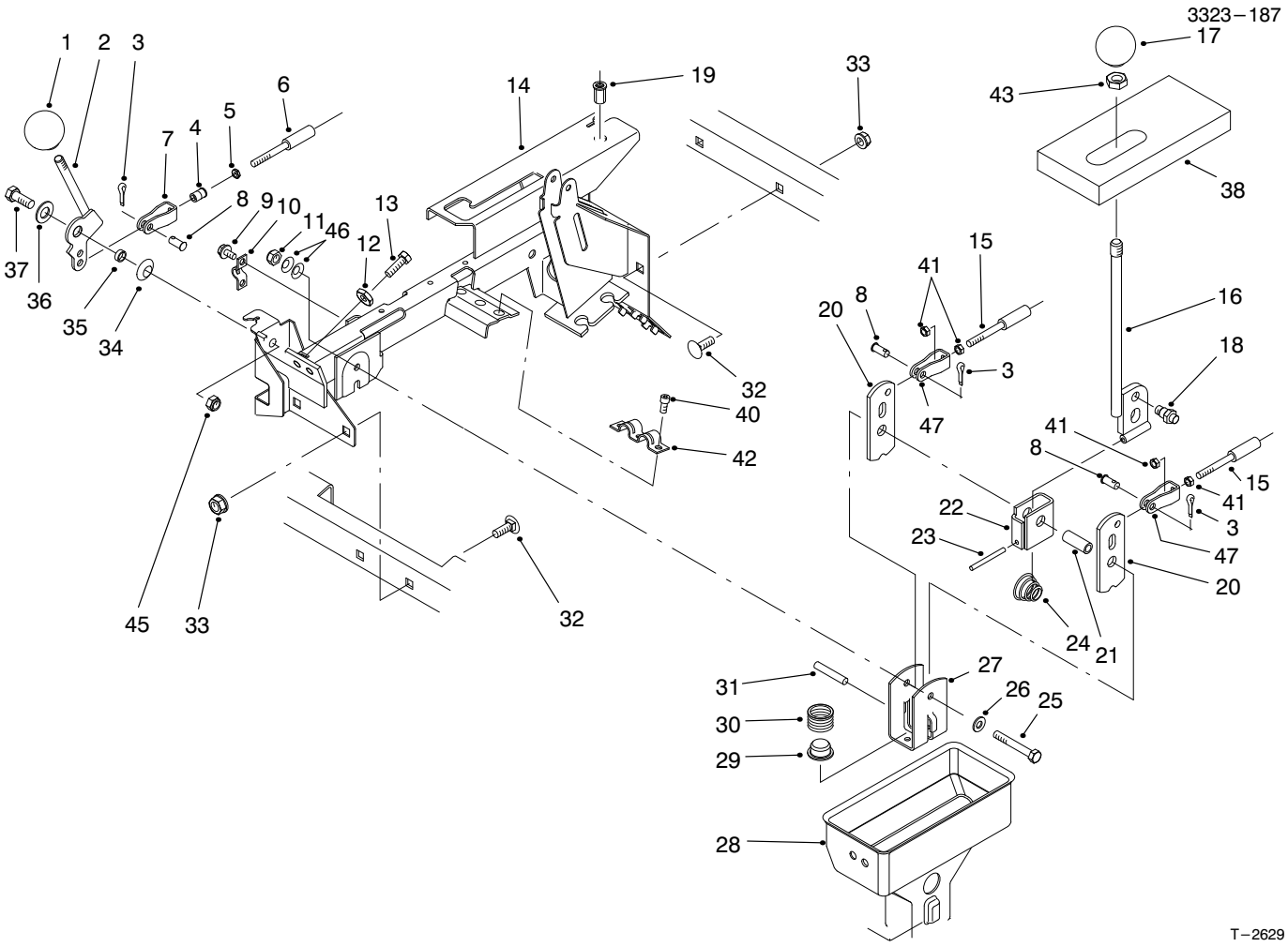


T−3287

SEAT BACK ASM

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

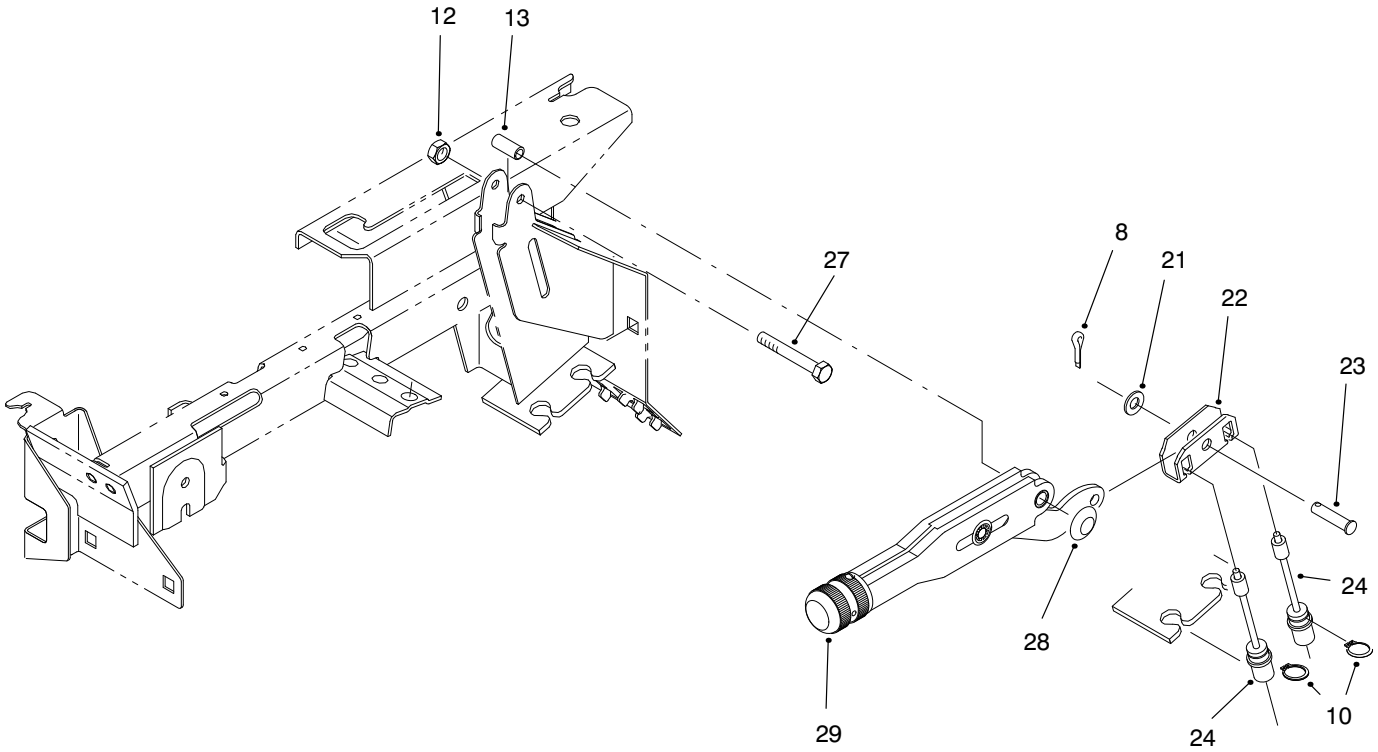
Ref. No.	Part No.	Description	No. Used
16	3296−23	Nut−Lock	2
17	87−6290	Cushion−Seat Back	2
18	87−6280	Plate−Seat Back	2
19	3256−22	Washer−Flat	8
20	321−4	Screw−HH	8
21	32128−20	Nut−Flange Lock	8
22	3231−21	Bolt−CARR	4
23	87-6240-03	Bracket−Seat Back	4



HI–LO & SHIFT LEVER ASM

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	Asm–Hi–Lo Cable (Incl. Ref. #5)	1
7	87–7160	Asm–Clevis, Cable (Incl. Ref. #4)	1
8	283–62	Pin–Clevis	3
9	32144–4	Screw–HFH	2
10	87–4340	Clamp–Cable	1
11	3296–58	Nut–Lock	2
12	3220–3	Nut–Jam	2
13	3211–8	Screw–HH	2
14	94–5202	Asm–Lever Support (Incl. Ref. #19)	1
15	93–7105	Asm–Cable (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–HH	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–CARR	4
33	3290–357	Nut–HFH	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–HH	1
38	87–6570	Foam–Seal	1
40	65–5220	Screw–HSH	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

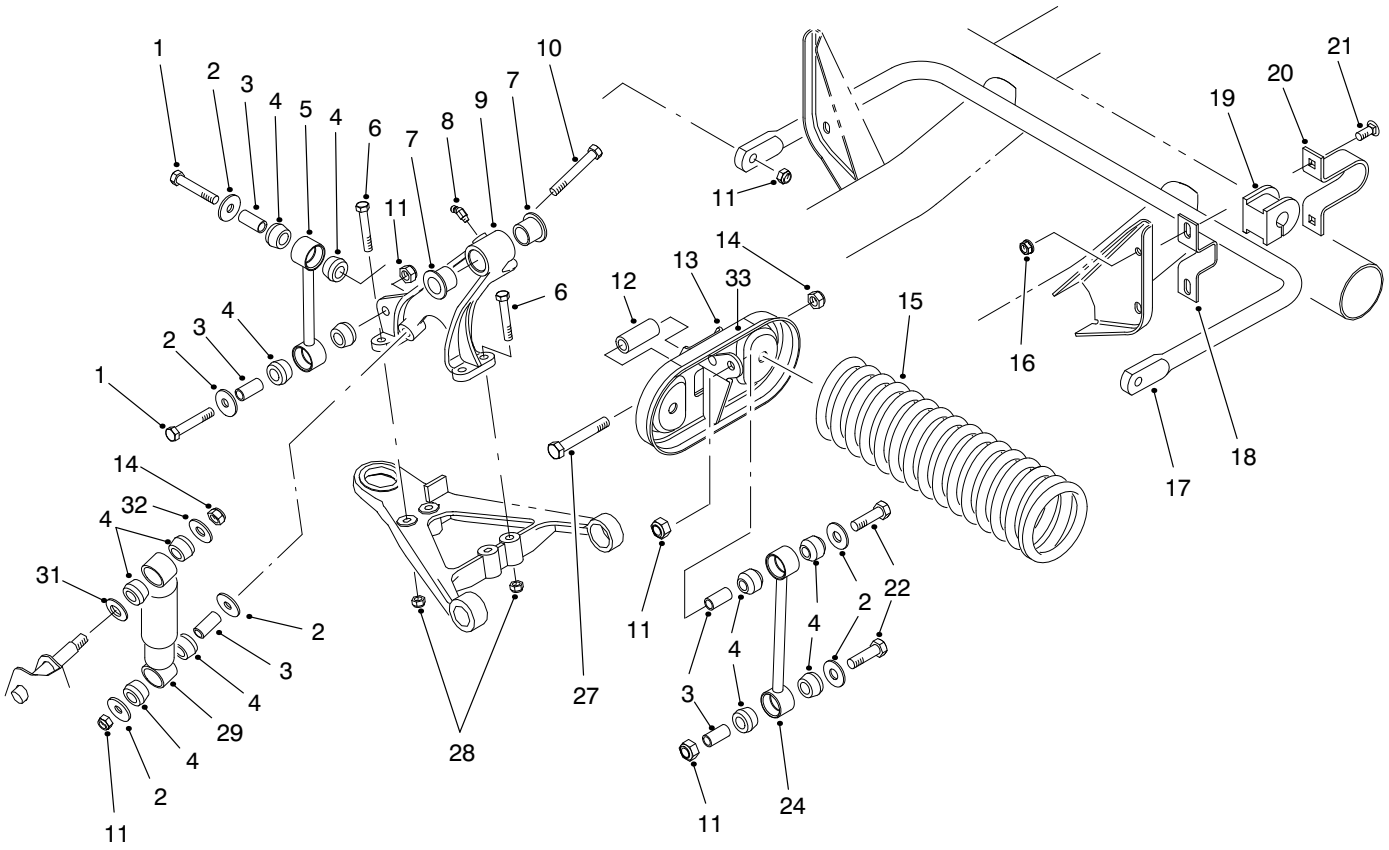


T−3288

PARKING BRAKE ASM

Ref. No.	Part No.	Description	No. Used
8	3272−6	Pin−Cotter	1
10	32120−47	Ring−Retaining	2
12	3296−42	Nut	1
13	87−4710	Spacer−Parking 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−HH	1
28	3290−477	Washer−Curved	1
29	87-2710-03	Lever−Parking Brake	1



T–1593–1

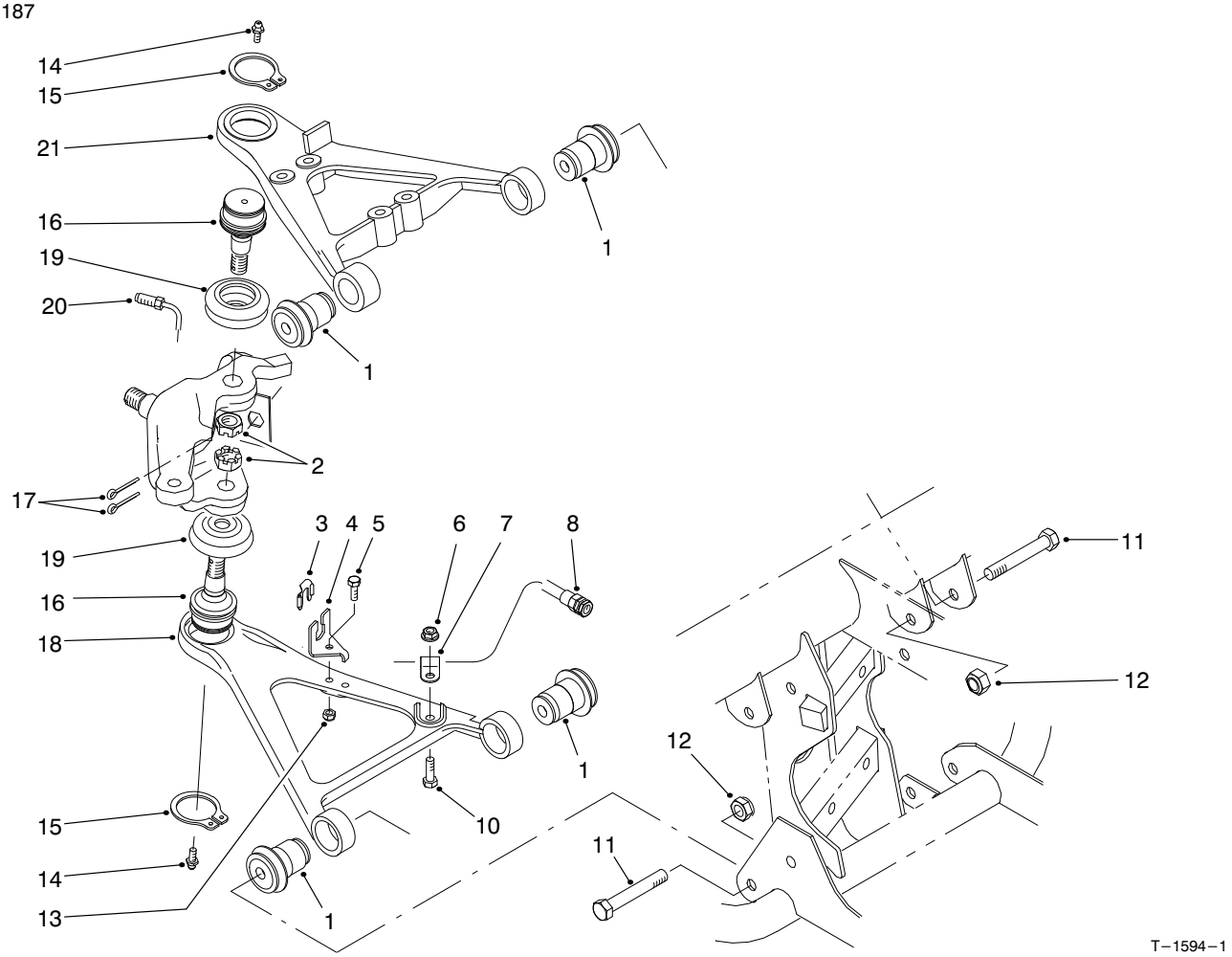
FRONT SUSPENSION ASM

Ref. No.	Part No.	Description	No. Used
1	324–10	Screw–HH	4
2	87–5330	Washer	8
3	87–3600	Spacer	10
4	87–3920	Bushing–Rubber	16
5	87-3860-03	Link–Anti–Sway Bar	2
6	323–12	Screw–HH	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–HH	2
11	3296–48	Nut–Lock	10
12	87–2500	Sleeve–Spring Pivot	2
13	87–7150	Asm–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–HFH	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	3231–3	Bolt–CARR	4
22	324–9	Screw–HH	4
24	87-2480-03	Link–Stabilizer	2
27	325–13	Screw–HH	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

3323−187

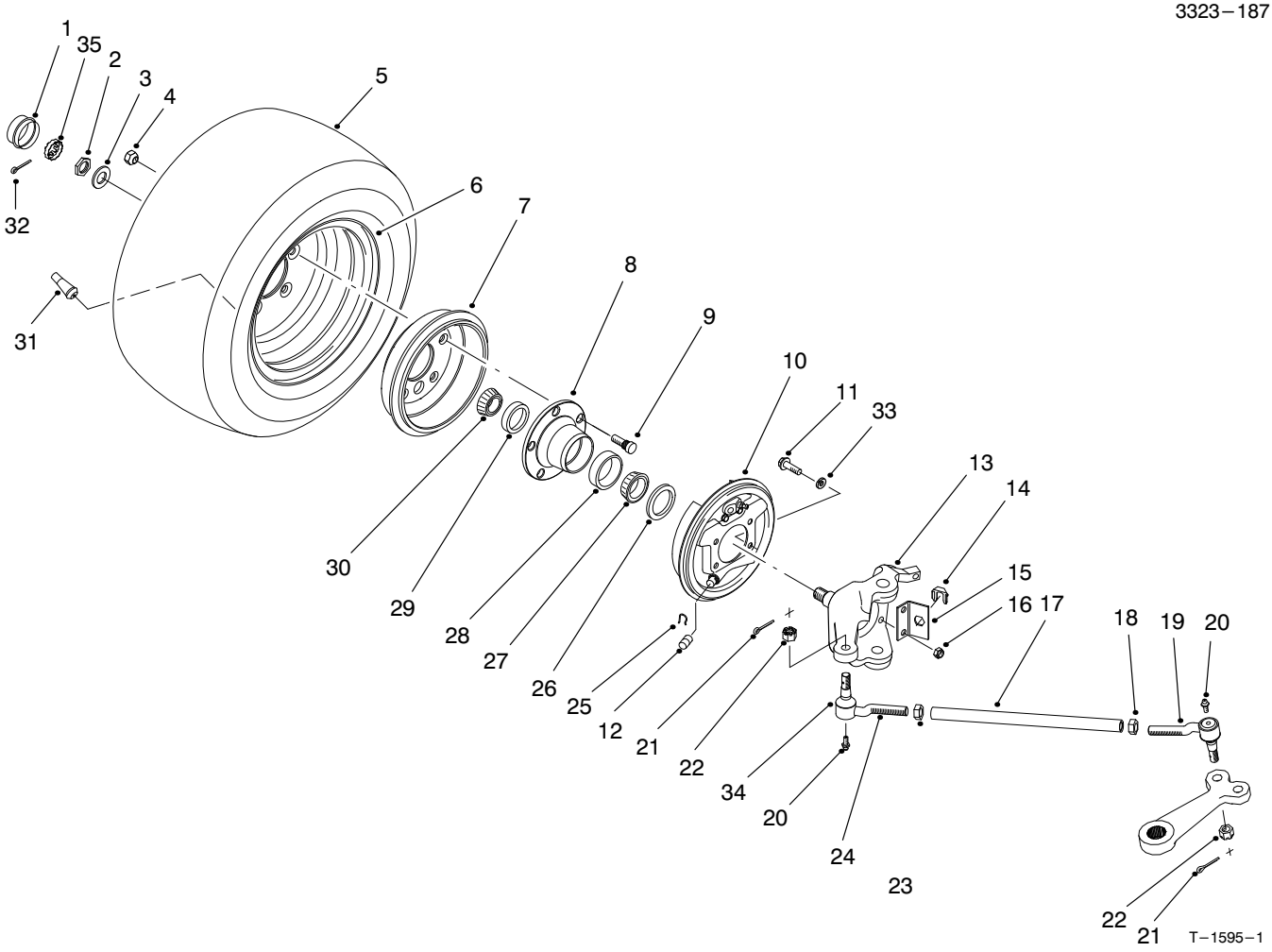


FRONT SUSPENSION CONTROL ARM ASM

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−HH	2
6	32128−20	Nut−HFH	2
7	2412−10	Clamp−R	2
8	93−7123	Hose−Brake Front	2
10	322−5	Screw−HH	2
11	325−13	Screw−HH	8
12	3296−23	Nut−HFH	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

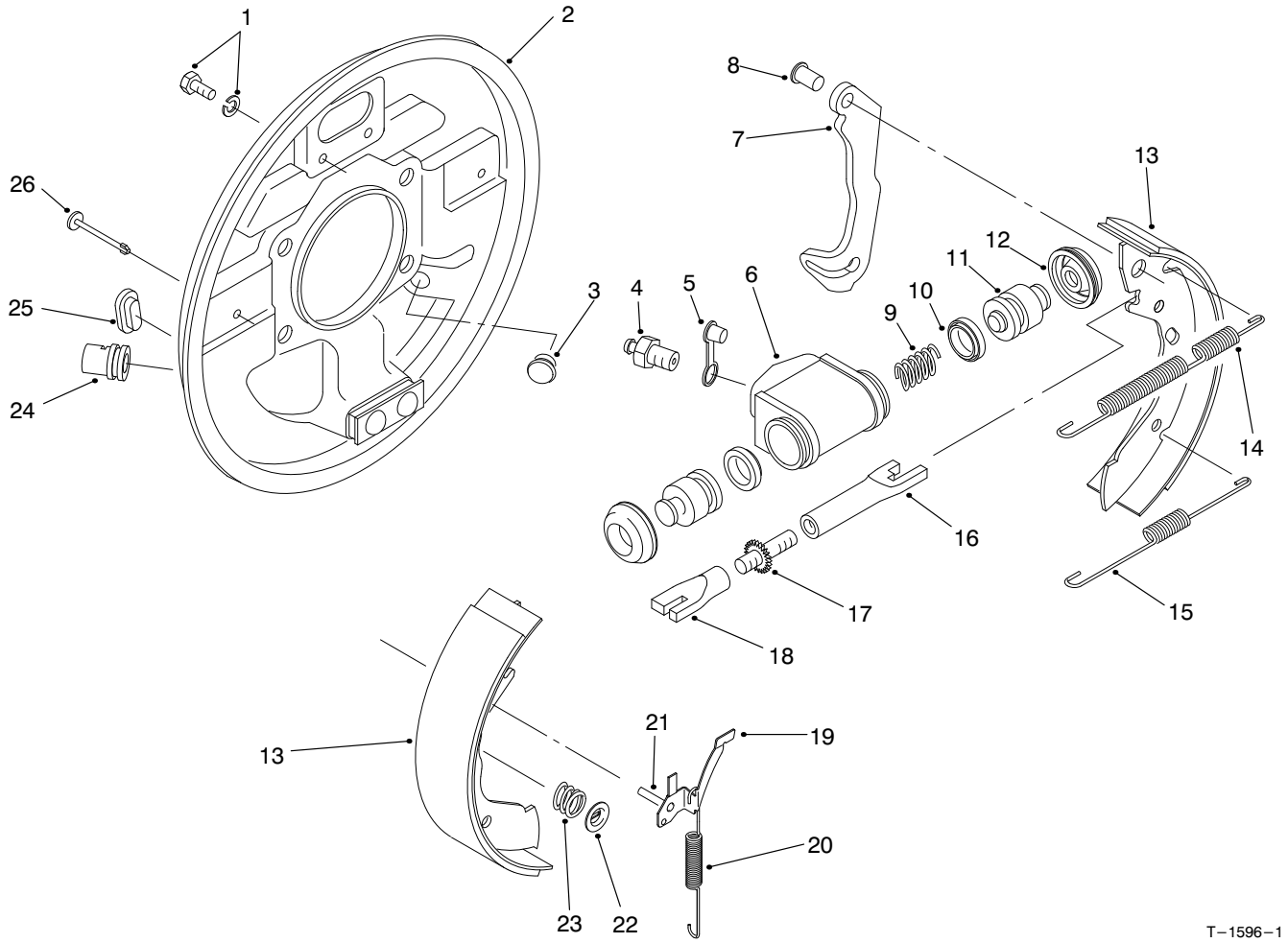


FRONT WHEEL ASM

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	Asm−Brake RH	1
*	87−3020	Asm−Brake LH	1
11	323−8	Screw−HH	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	Rod−Tie	2
18	3218−21	Nut−Jam	2
19	87−1470	Asm−Rod End, LH Thread (Incl. Ref. # 20−22 & 34)	2
*19	94−3804	Asm−Rod End, LH Thread (Incl. Ref. #21, 22 & 34) Heavy Duty (Optional)	2
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	Asm−Rod End, RH Thread (Incl. Ref. #20−22 & 34)	2
*	94−3807	Asm−Rod End, 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	Kit−Seal, Tie Rod End (Incl. Ref. #20−22 & 34)	4

*Not Illustrated

3323−187



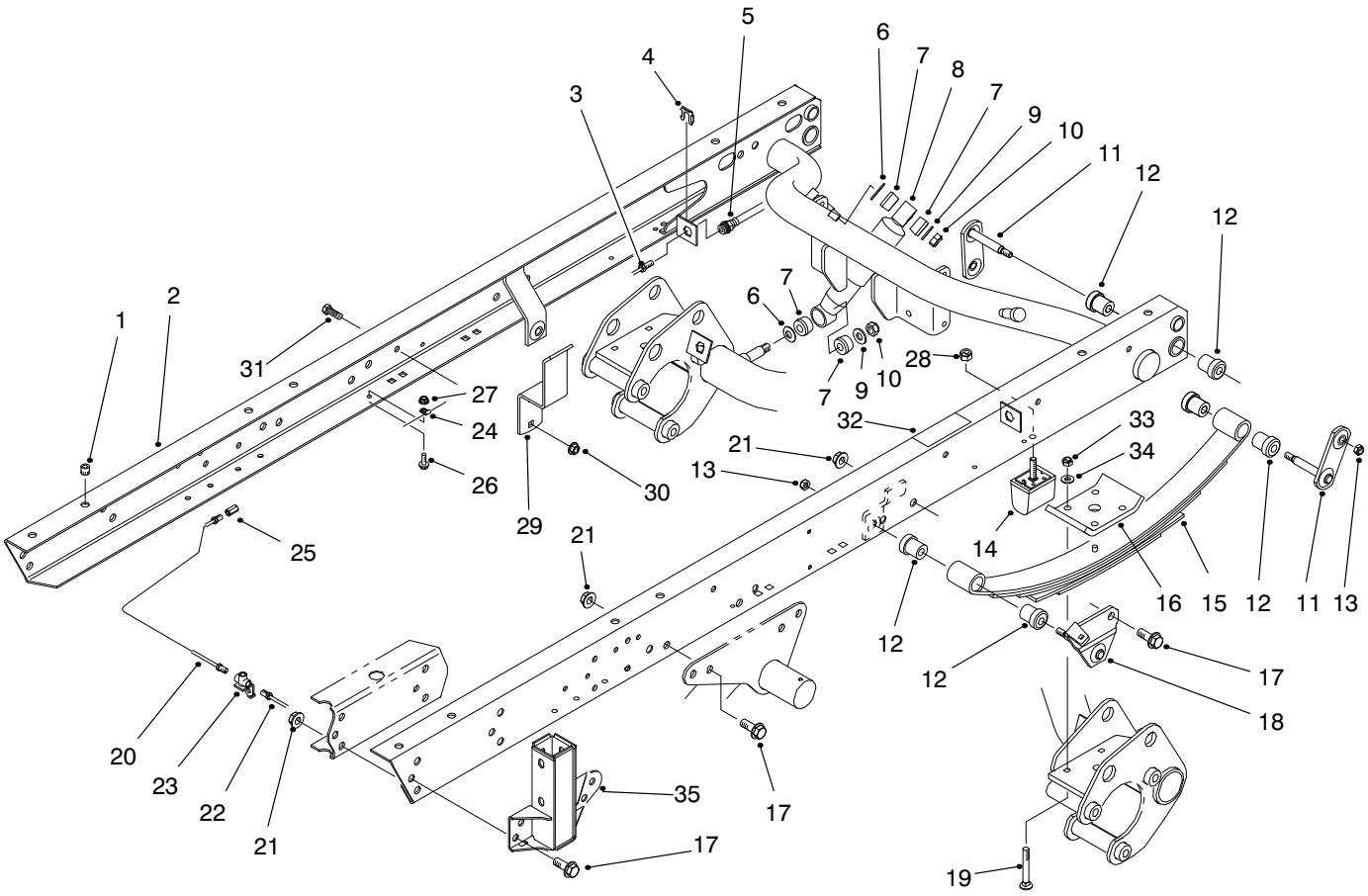
T−1596−1

FRONT BRAKE ASM

Ref. No.	Part No.	Description	No. Used
1	92−4135	Set Bolt	2
2	92−4115	Asm−Backplate LH (Incl. Ref. #24)	1
*	92−4116	Asm−Backplate 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	Asm−Pawl LH (Incl. Ref. #21)	1
*	92−4124	Asm−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	Asm−Adjuster LH (Inc. Ref. #16−18)	1
*	92−4122	Asm−Adjuster RH (Incl. Ref. #16−18)	1
*	92−4117	Asm−Wheel Cylinder LH (Incl. Ref. #4−6 & 9−12)	1
*	92−4118	Asm−Wheel Cylinder RH (Incl. Ref. #4−6 & 9−12)	1
*	92−4119	Kit−Seal (Incl. Ref. #10 & 12)	1
*	87−3010	Asm−Front Brake, RH (Complete)	1
*	87−3020	Asm−Front Brake, LH (Complete)	1

*Not Illustrated



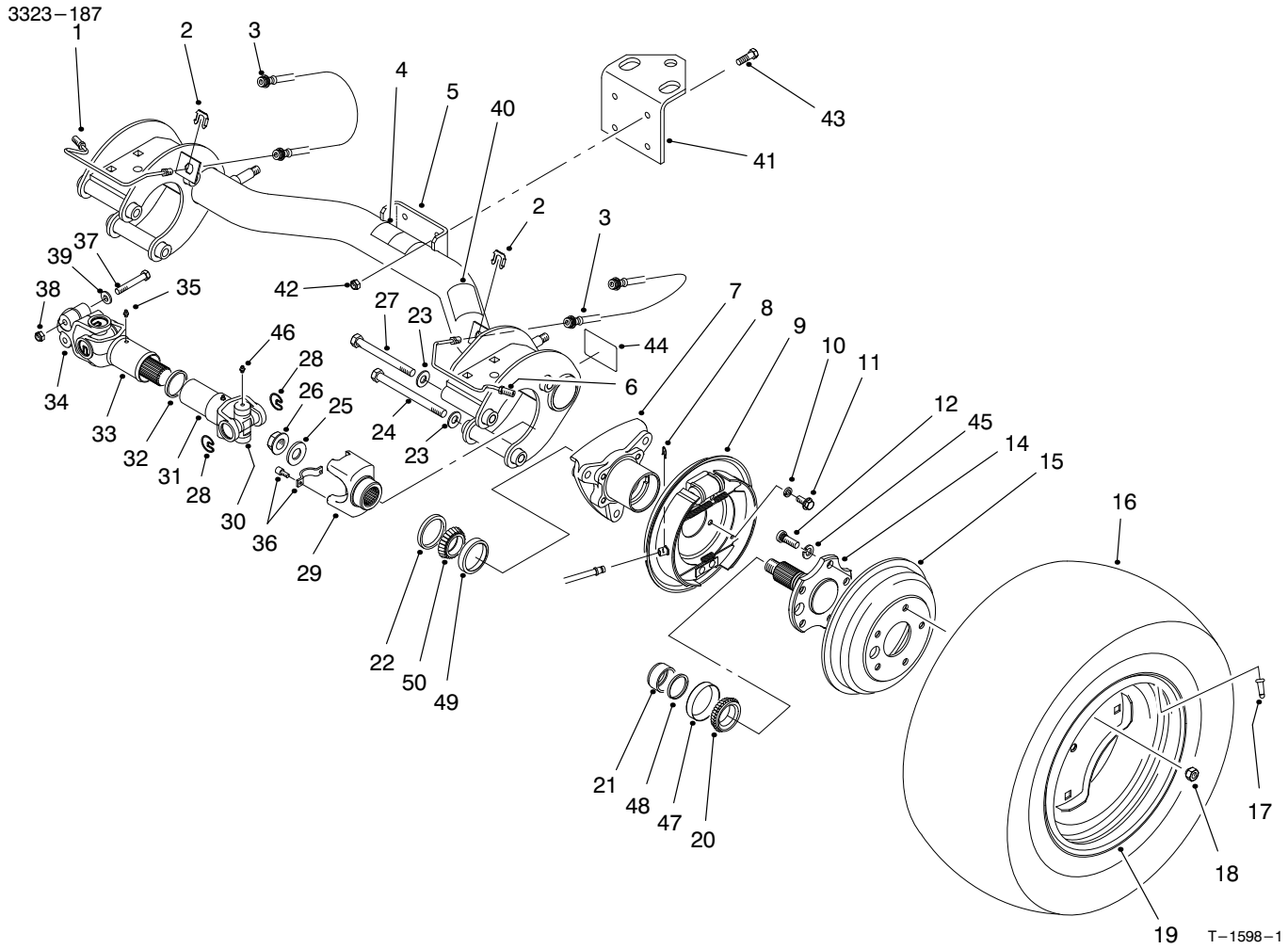
T−1597−1

REAR FRAME ASM

Ref. No.	Part No.	Description	No. Used
1	32148−9	Insert−Threaded	8
2	87−8440	Asm−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
17	3234−38	Screw−HHF	24
18	87−3960	Mount−Spring LH	1
*	87−3940	Mount−Spring RH	1

Ref. No.	Part No.	Description	No. Used
19	3232−17	Bolt−CARR	8
20	94−3845	Tube−Brake RH	1
21	32128−23	Nut−HFH	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	1
26	321−4	Screw−HHF	4
27	32128−33	Nut−HFH	4
28	48−9520	Nut−Lock	2
29	87-6690-03	Guard−Induction Chamber	1
30	3290−357	Nut−HFH	2
31	323−6	Screw−HH	2
32	66−6840	Decal−Warning	1
32	93−8071	Decal−Caution (Europe)	2
32	92−6479	Decal−Caution (Japan)	2
33	3296−76	Nut−Lock	8
34	87−7480	Washer−Flat	8
35	87-6950-03	Receiver−LH	1
*	87-6960-03	Receiver−RH	1

*Not Illustrated

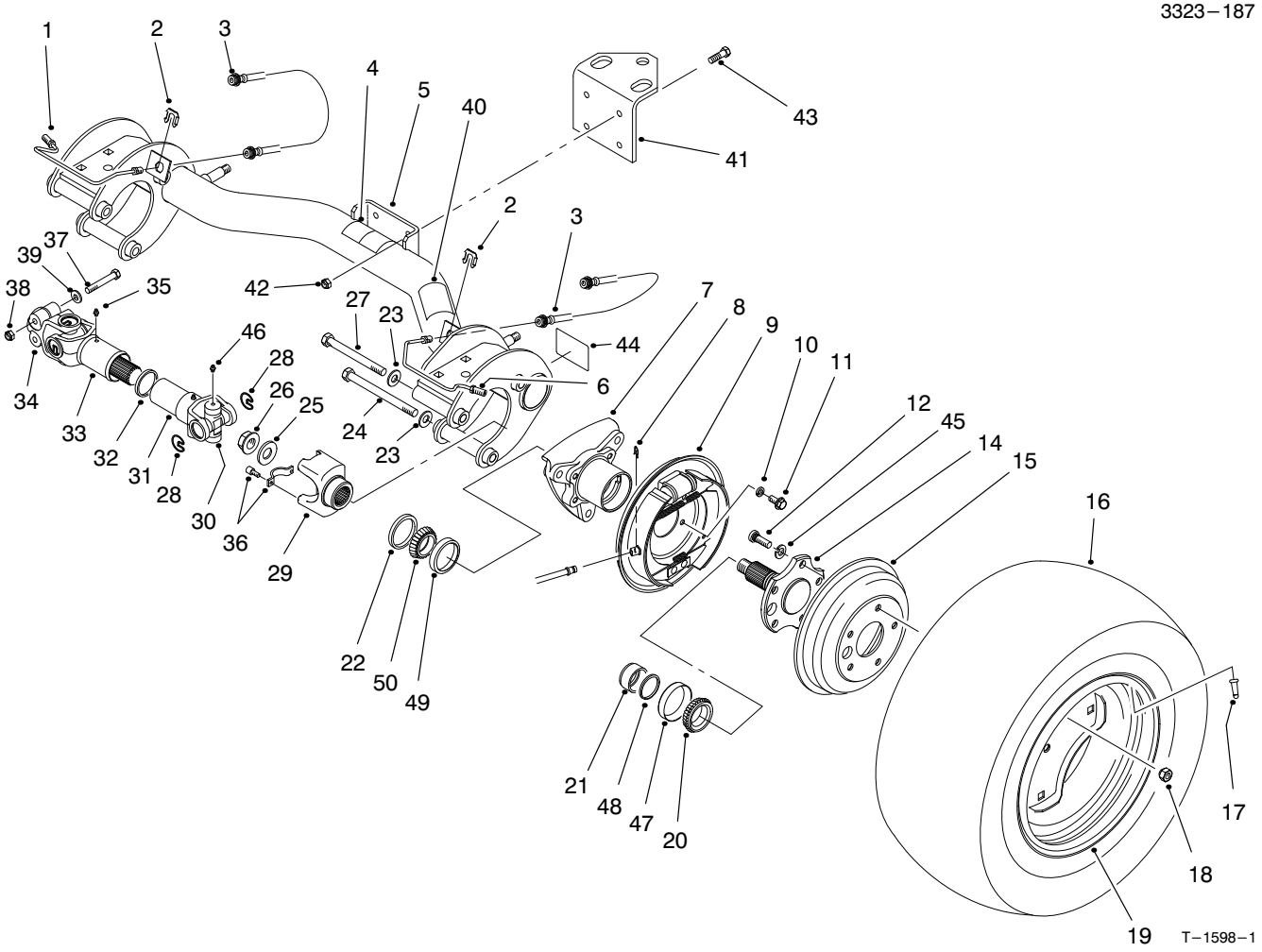


REAR AXLE ASM

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	Asm–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	Asm–Brake, LH	1
*	93–7125	Asm–Brake, RH	1
10	3253–21	Washer–Lock	8
11	323–6	Screw–HH	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	1
21	87–4060	Spacer–Bearing	2
22	87–3590	Seal–Bearing	2
23	87–7270	Washer–Flat	6
24	325–20	Screw–HH	5
25	87–3060	Washer–Flat	2
26	32128–53	Nut–HFH	2

Ref. No.	Part No.	Description	No. Used
27	325–19	Screw–HH	1
28	92–4188	Ring–Snap	12
29	92–4190	Yoke–End	2
30	92–4187	Kit–Cross & Bearing	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	4
36	92–4189	Kit–Strap & Bolt	2
37	98–2939	Screw–HH	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–HH	4
44	87–9080	Decal–Grease	2
45	3253–6	Washer–Lock	10
46	302–58	Fitting–Grease	16
†47		Cup–Bearing	1
†48		Spacer	1
†49		Cup–Bearing	1
†50		Cone–Bearing	1
*51	98–2918	Asm–Driveshaft (Incl. Ref. #28, 30–35 & 46)	2

*Not Illustrated
†Not Serviced Separately

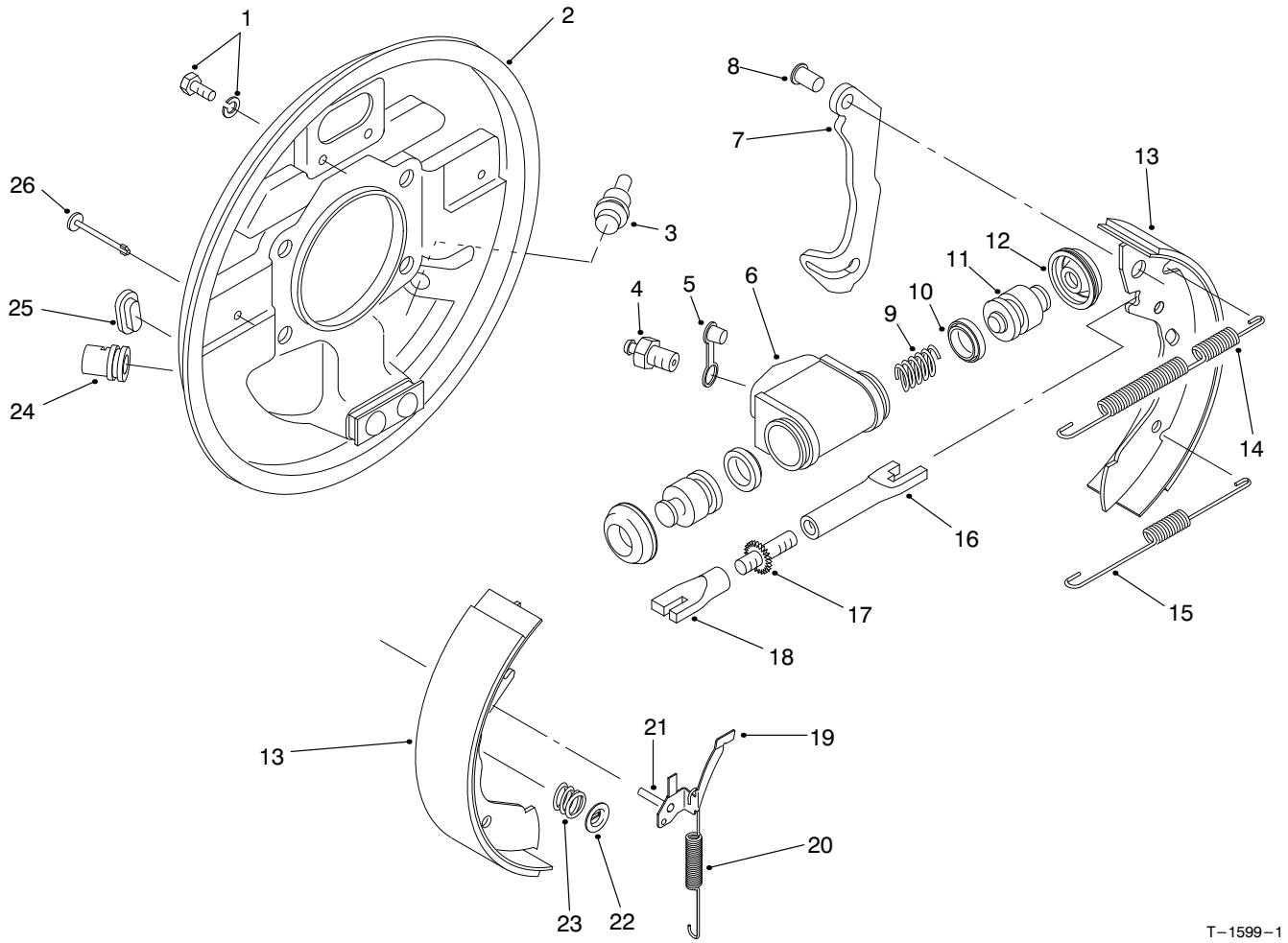


REAR AXLE ASM (Continued)

Ref. No.	Part No.	Description	No. Used
*	87−5370	Asm−Rear Tire & Wheel (24”)	2
*	99−9429	Asm−Rear Tire & Wheel (Optional 23”)	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
*	98−2967	Driveshaft Assembly Kit (Incl. Ref. #37 & 51)	2
*	98−2968	Yoke Kit (Incl. Ref. #34 & 37)	2

*Not Illustrated
†Not Serviced Separately

3323−187



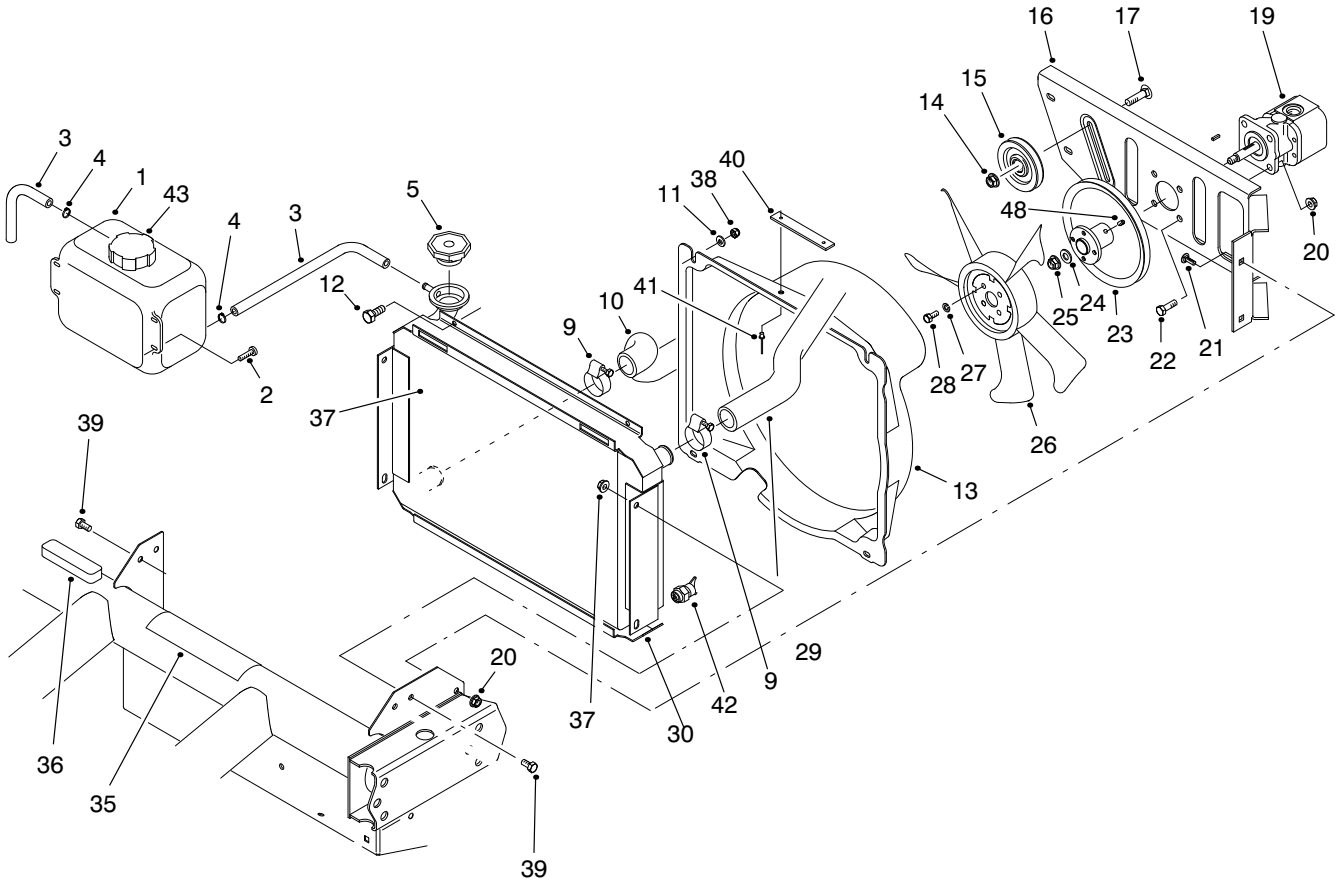
T−1599−1

REAR BRAKE ASM

Ref. No.	Part No.	Description	No. Used
1	92−4135	Set Bolt	2
2	92−4136	Asm−Backplate, LH (Incl. Ref. #24)	1
*	92−4100	Asm−Backplate, 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	Asm−Pawl, LH (Incl. Ref. #21)	1
*	92−4124	Asm−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	Asm−Adjuster, LH (Inc. Ref. #16−18)	1
*	92−4145	Asm−Adjuster, RH (Incl. Ref. #16−18)	1
*	92−4140	Asm−Wheel Cylinder, LH (Incl. Ref. #4−6 & 9−12)	1
*	92−4141	Asm−Wheel Cylinder, RH (Incl. Ref. #4−6 & 9−12)	1
*	92−4142	Kit−Seal (Incl. Ref. #10 & 12)	1
*	93−7125	Asm−Rear Brake, RH (Complete)	1
*	93−7126	Asm−Rear Brake, LH (Complete)	1

*Not Illustrated

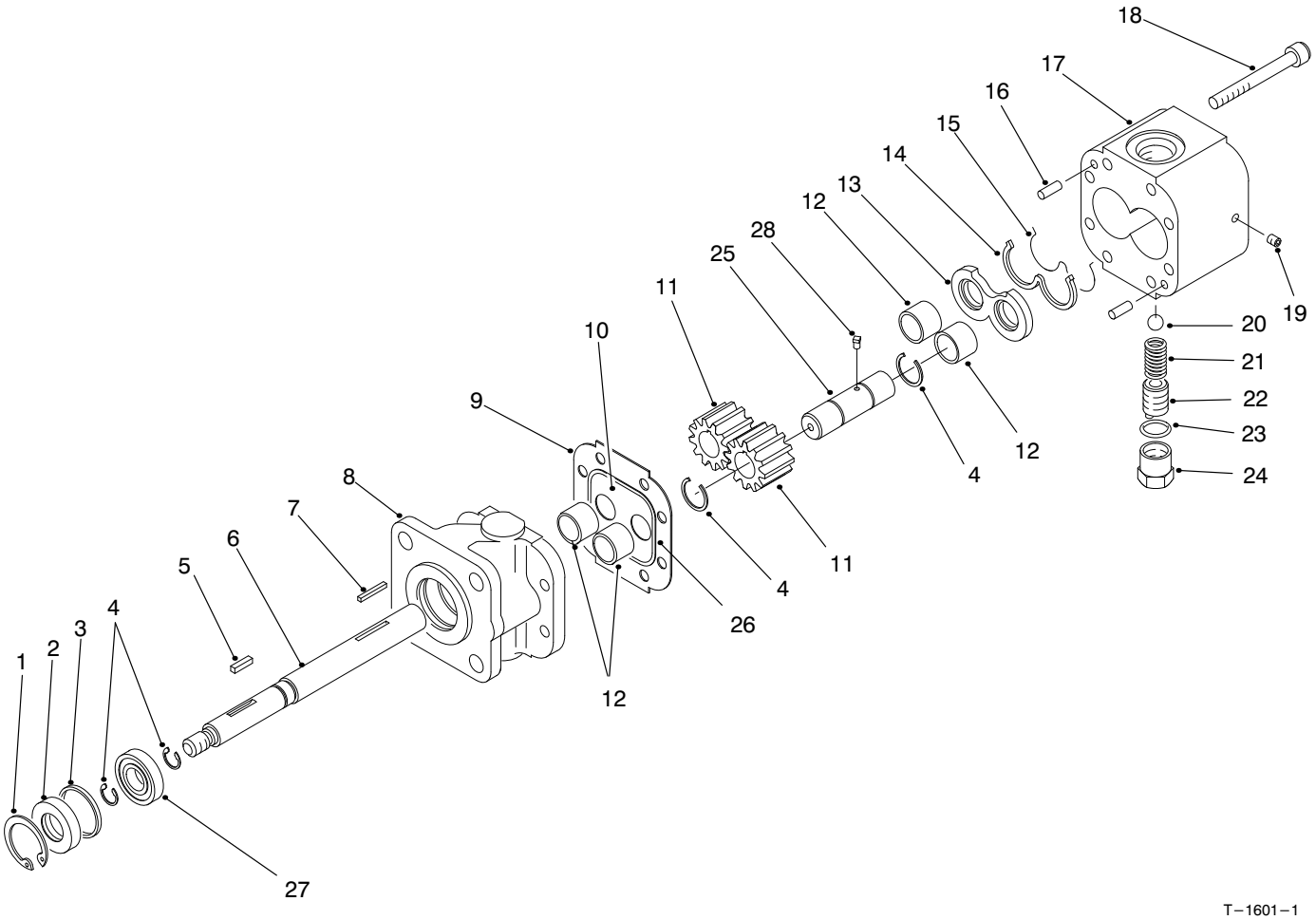


T−3289

RADIATOR & HYDRAULIC PUMP ASM

Ref. No.	Part No.	Description	No. Used
1	87−3710	Asm−Overflow Reservoir (Incl. Ref. #43)	1
2	3250−20	Screw−PH	4
3	71−3381	Tube−Overflow	2
4	92−2379	Clamp−Hose	2
5	66−3240	Cap−Radiator	1
9	2412−34	Clamp−Hose	2
10	87−5050	Hose−Radiator Lower	1
11	3256−22	Washer−Flat	4
12	321−4	Screw−HH	4
13	92−4198	Asm−Fan Shroud (Incl. Ref. #40 & 41)	1
14	3290−357	Nut−HFH	1
15	63−8140	Pulley	1
16	93-7088-03	Support−Fan	1
17	3231−28	Bolt−CARR	1
19	99−1054	Asm−Hydraulic Pump	1
20	3296−29	Nut−HFH	8
21	3230−23	Bolt−CARR	4
22	322−5	Screw−HH	4

Ref. No.	Part No.	Description	No. Used
23	94-5228-03	Pulley	1
24	3256−45	Washer−Flat	1
25	3296−5	Nut−HFH	1
26	43−1911	Fan	1
27	3253−3	Washer−Lock	4
28	321−3	Screw−HH	4
29	87−3430	Hose−Radiator Upper	1
30	93−7050	Asm−Radiator (Incl. Ref. #42)	1
35	87−9420	Decal−Caution	1
36	87−9810	Foam−Overflow Tank	1
37	32128−20	Nut−HFH	4
38	3296−42	Nut−Lock	4
39	322−2	Screw−HH	4
40	76−8750	Plate−Warning	1
41	3290−271	Rivet−Pop	2
42	92−4111	Petcock−Radiator	1
43	87−7050	Cap−Reservoir	1
48	3245−31	Screw−Set	1



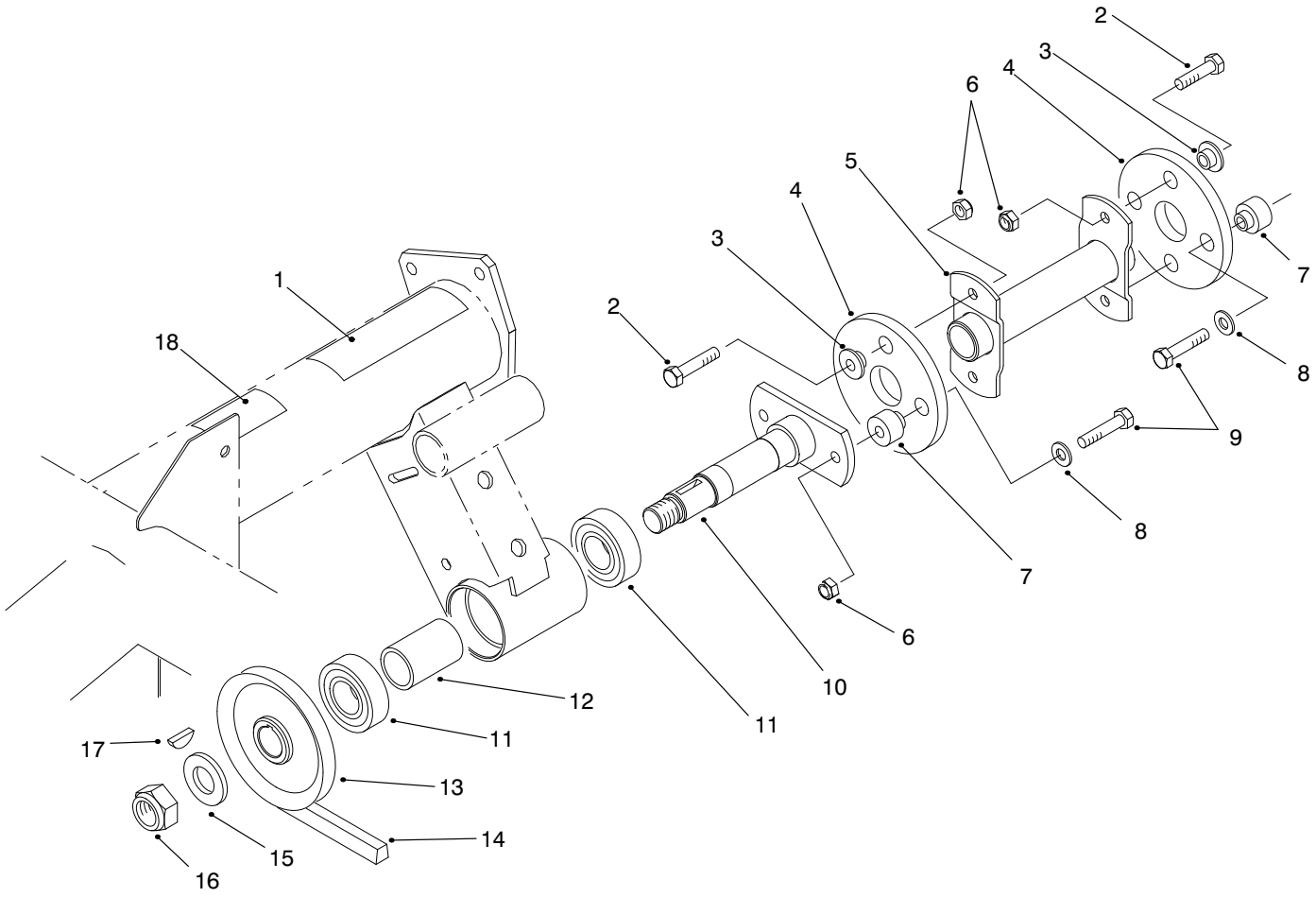
T–1601–1

HYDRAULIC PUMP ASM 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.



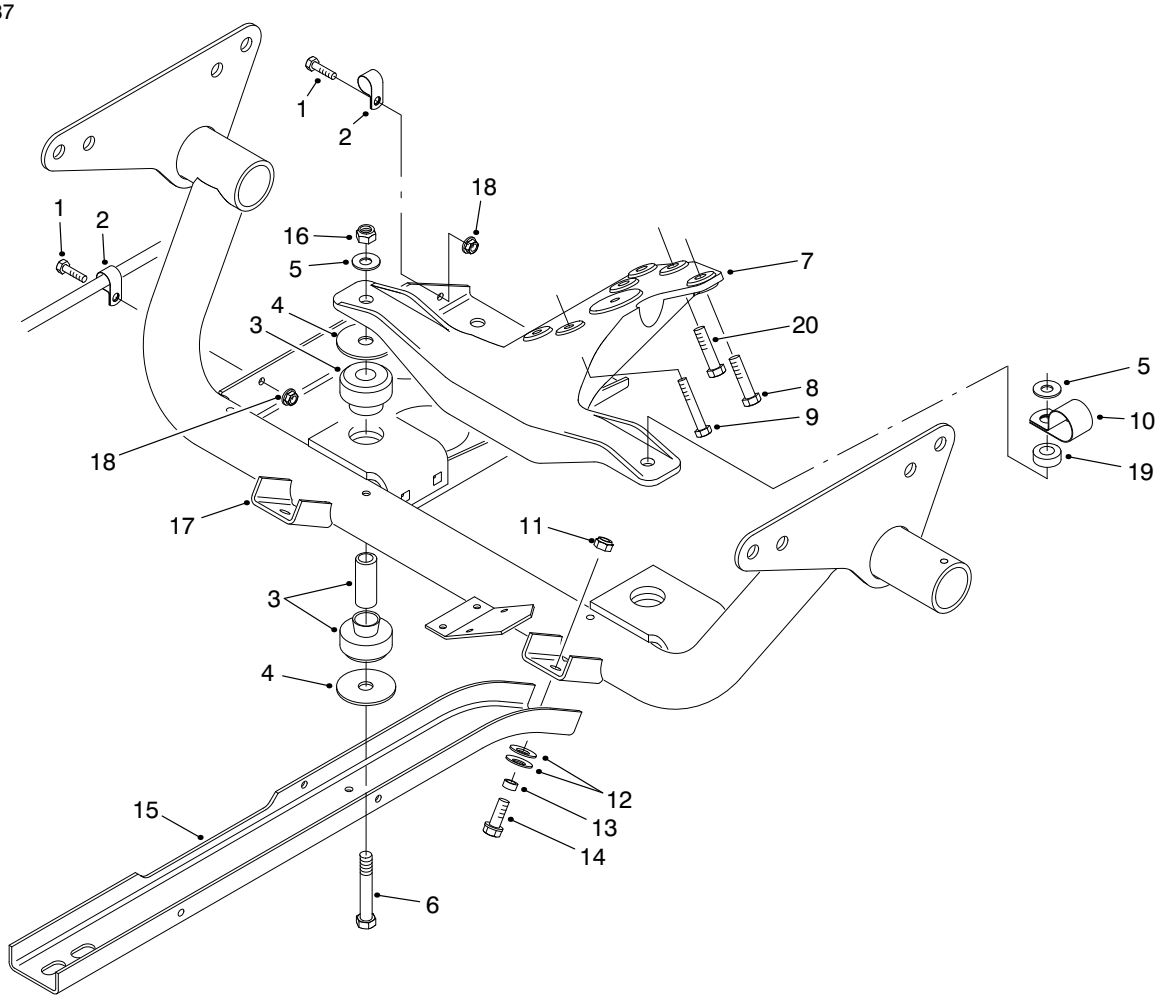
T−1660−2

HYDRAULIC PUMP DRIVE ASM

Ref. No.	Part No.	Description	No. Used
1	80−8040	Decal−Caution	1
2	322−5	Screw−HH	4
3	27−6600	Spacer−Thin	4
4	44−2230	Disc−Rubber	2
5	87-4440-03	Driveshaft	1
6	3296−29	Nut−Lock	6
7	27−6590	Spacer−Thick	4
8	3256−3	Washer−Flat	4
9	322−7	Screw−HH	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	87−3210	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

3323−187

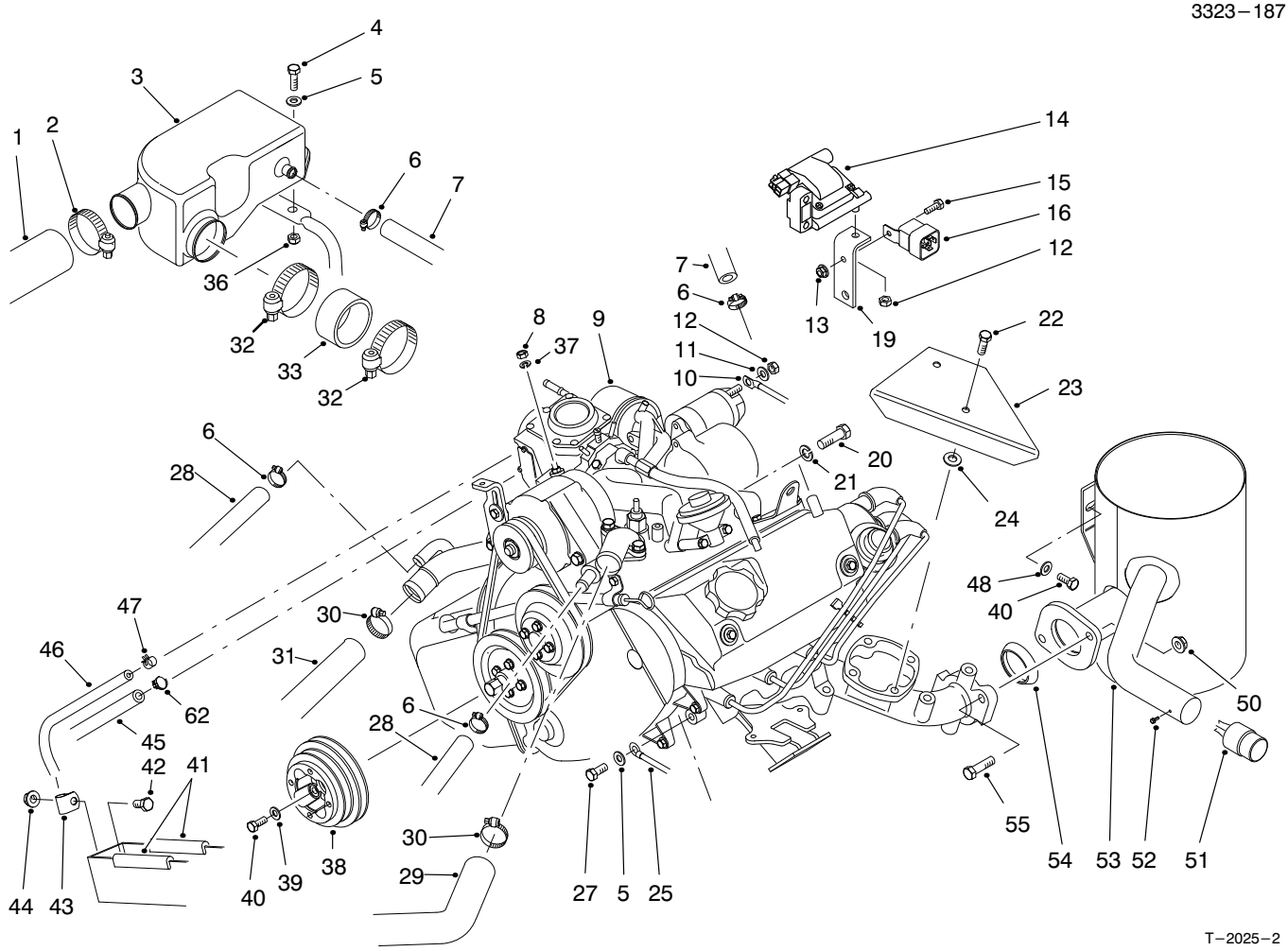


T−1603−1

ENGINE FRAME ASM

Ref. No.	Part No.	Description	No. Used
1	321−4	Screw−HH	2
2	2412−89	Clamp−R	2
3	87−4970	Asm−Engine Mount	2
4	87−5100	Washer−Flat	4
5	3256−25	Washer−Flat	2
6	324−19	Screw−HH	2
7	87-9830-03	Mount−Engine	1
8	87−3700	Screw−HH	3
9	48−7560	Screw−HH	3
10	2412−82	Clamp−R	1

Ref. No.	Part No.	Description	No. Used
11	3296−39	Nut−Lock	6
12	3290−413	Washer−Belleville	12
13	76−9100	Spacer	6
14	3234−11	Screw−HH	6
15	87-4730-03	Guard−Belly	2
16	3296−48	Nut−Lock	2
17	93-7095-03	Frame−Engine	1
18	32128−33	Nut−HFH	2
19	59−2290	Spacer	1
20	43−0090	Screw−HH	1

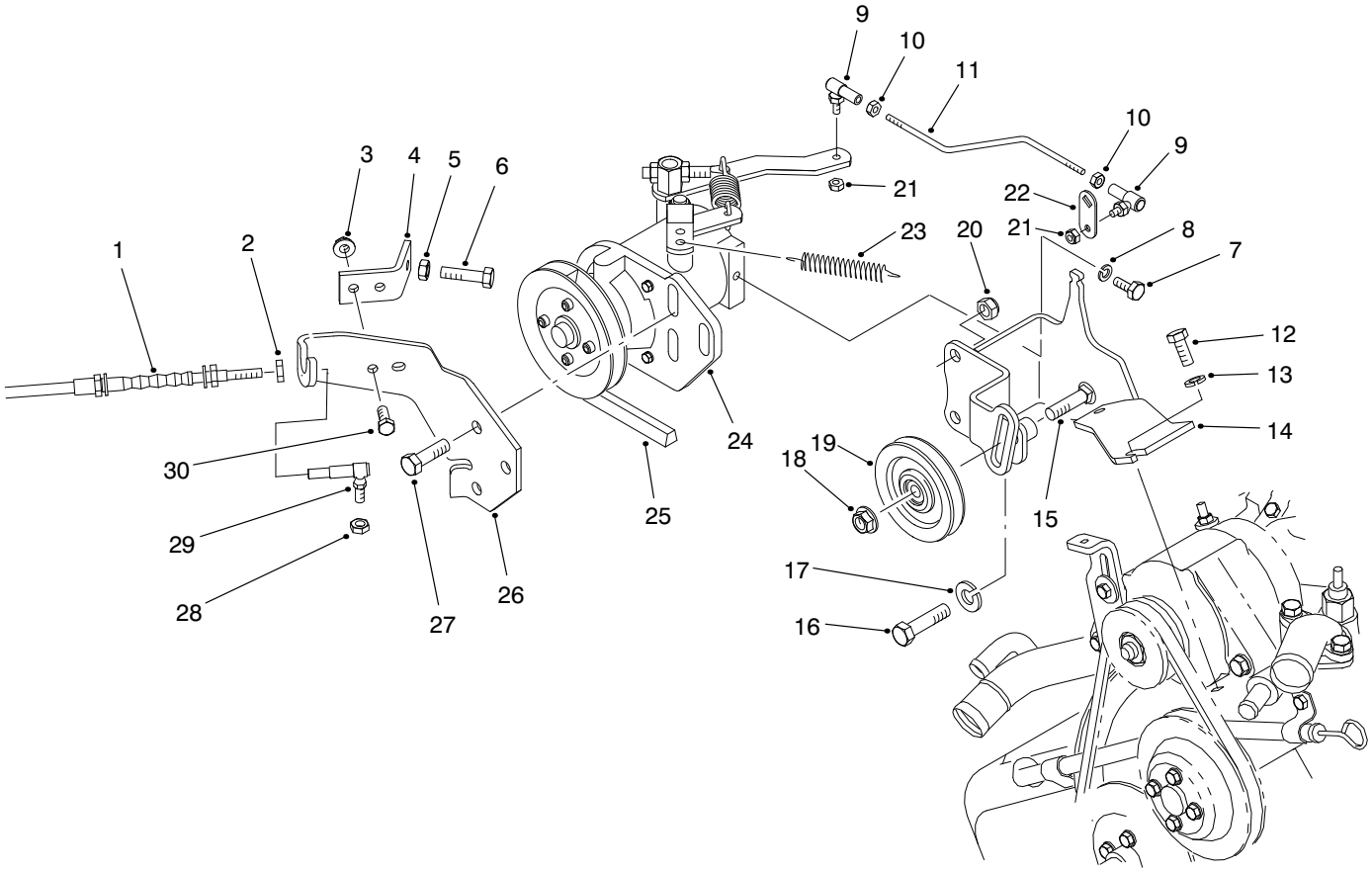


T−2025−2

ENGINE INSTALLATION ASM

Ref. No.	Part No.	Description	No. Used
1	87−3420	Hose−Air Cleaner	1
2	2412−92	Clamp−Hose	1
3	87−1680	Chamber−Air	1
4	322−6	Screw−HH	2
5	3256−23	Washer−Flat	2
6	2412−119	Clamp−Hose	3
7	87−3740	Hose−Breather	1
8	48−7890	Nut−Hex.	1
9	94−5249	Asm−Engine (Incl. Ref. #11, 12 & 14)	1
10	87−3070	Cable−Positive	1
11	3254−2	Washer−Lock	1
12	42−9580	Nut−Hex.	3
13	32128−33	Nut−HFH	1
14	92−2027	Coil−Ignition	1
15	321−4	Screw−HH	1
16	70−1480	Relay	1
19	87−2760	Bracket−Ignition Coil	1
20	48−9480	Screw−HH	2
21	3253−6	Washer−Lock	2
22	57−6380	Screw−HH	2
23	87−3620	Shield−Heat	1
24	52−2480	Spacer	2
25	87−3080	Wire−Ground	1
27	66−3160	Screw−HH	1
28	87−3730	Hose−Coolant	2
29	87−3430	Hose−Radiator Upper	1

Ref. No.	Part No.	Description	No. Used
30	2412−34	Clamp−Hose	2
31	87−5050	Hose−Radiator Lower	1
32	2412−130	Clamp−Hose	2
33	87−3500	Hose−Air Cleaner	1
36	3296−29	Nut−Lock	2
37	3253−3	Washer−Lock	1
38	87-5070-03	Pulley−Crankshaft	1
39	65−5390	Washer−Flat	4
40	66−3160	Screw−HH	4
41	43−4300	Trim	2
42	322−2	Screw−HH	1
43	2412−10	Clamp−R	1
44	32128−20	Nut−HFH	1
45	63−6940	Hose−Fuel	1
46	75−4701	Hose−Fuel	1
47	2412−108	Clamp−Hose	1
48	87−8640	Washer−Flat	1
49	66−3160	Screw−HH	1
50	3290−357	Nut−HFH	2
51	75−6880	Spark Arrestor (Optional) (Incl. Ref. #52)	1
52	32144−42	Screw−Spark Arrestor	1
53	87−1510	Muffler & Tailpipe	1
54	92−2044	Gasket−Exhaust	1
55	323−29	Screw−HH	2
62	2412−98	Clamp−Hose	1

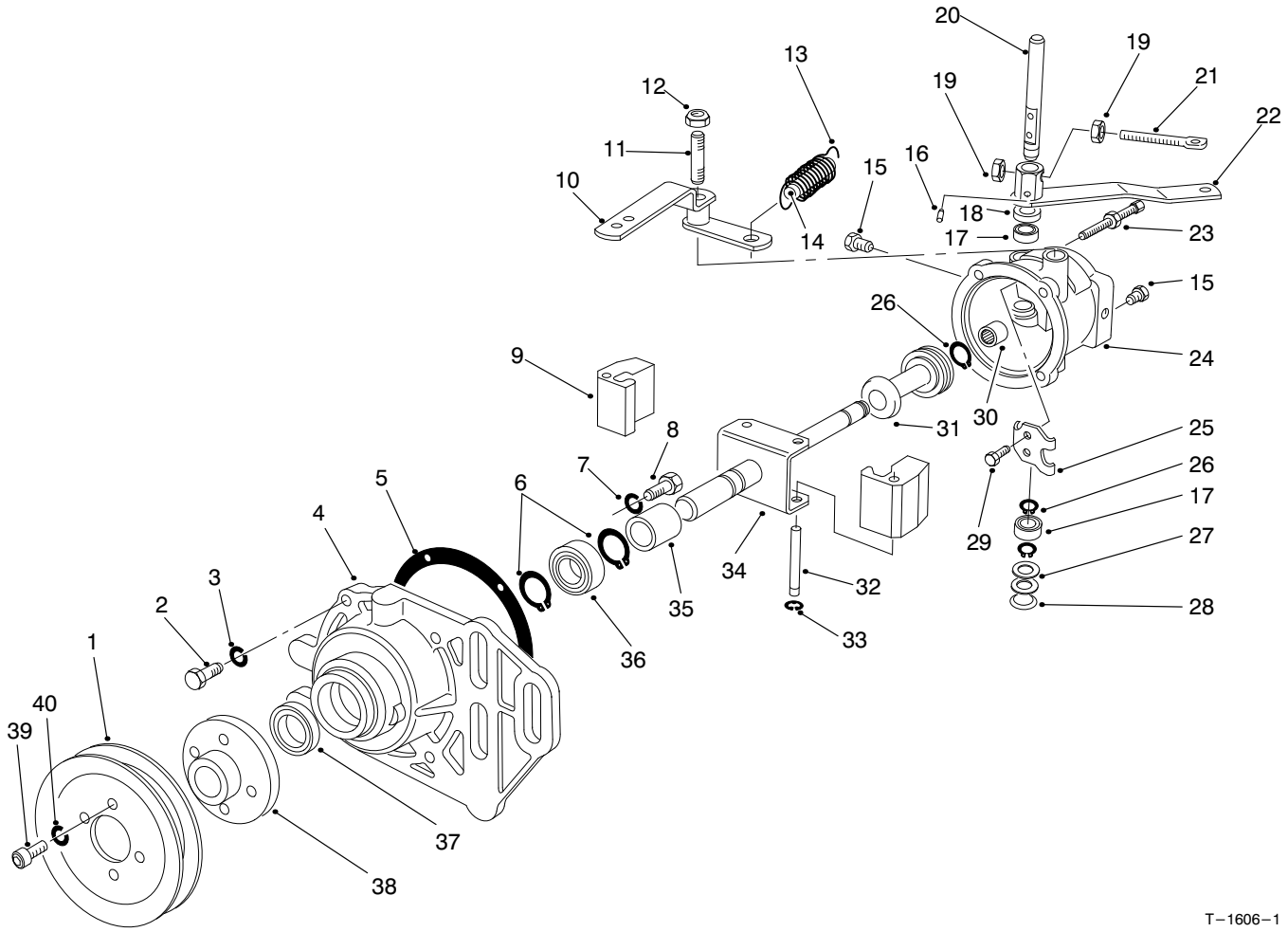


T−1605−1

GOVERNOR ASM

Ref. No.	Part No.	Description	No. Used
1	94−3836	Asm−Accelerator Cable (Incl. Ref. #2)	1
2	3220−1	Nut−Jam	1
3	32128−33	Nut−HFH	2
4	87−4770	Bracket−High Idle Stop	1
5	3220−2	Nut−Jam	1
6	3210−9	Screw−HH	1
7	321−3	Screw−HH	1
8	3253−3	Washer−Lock	1
9	21−5640	Joint−Ball	2
10	3219−14	Nut−Jam	2
11	87−4210	Rod−Linkage	1
12	66−3160	Screw−HH	2
13	3253−4	Washer−Lock	2
14	87-4750-03	Bracket−Governor	1
15	3231−26	Bolt−CARR	1

Ref. No.	Part No.	Description	No. Used
16	87−3700	Screw−HH	1
17	3253−22	Washer−Lock	1
18	3290−357	Nut−Flange	1
19	63−8140	Pulley	1
20	3296−39	Nut−Lock	3
21	3296−27	Nut−Lock	2
22	87−2400	Lever−Throttle	1
23	87−4020	Spring−Extension	1
24	87−8720	Asm−Governor	1
25	87−3200	Belt−V	1
26	87-3900-03	Bracket−Cable	1
27	323−7	Screw−HH	3
28	3296−3	Nut−Lock	1
29	18−1720	Joint−Ball	1
30	321−4	Screw−HH	2



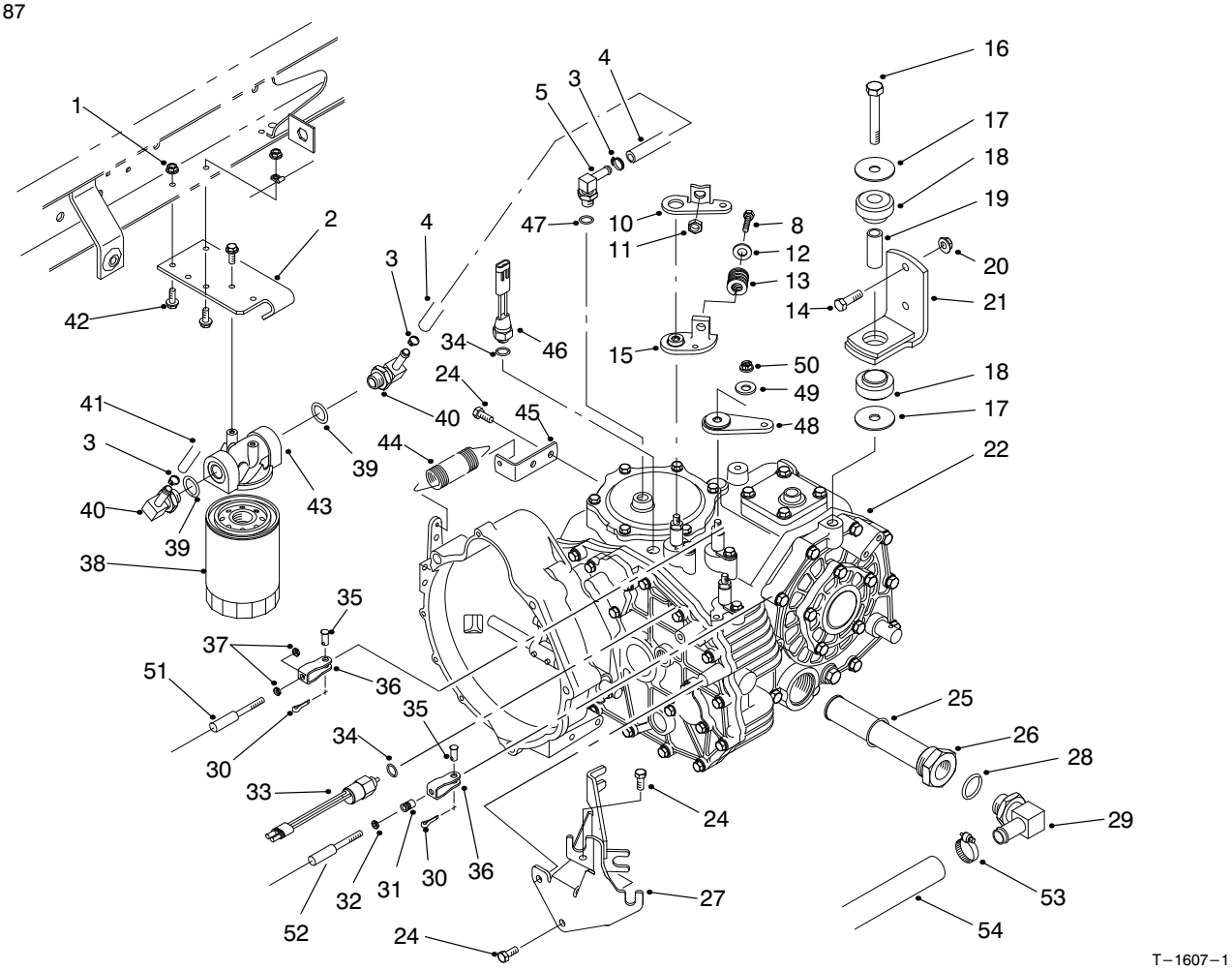
T−1606−1

GOVERNOR

Ref. No.	Part No.	Description	No. Used
1	87−8830	Pulley	1
2	18−5620	Screw	4
3	18−5630	Washer−Lock	4
4	87−6560	Cover	1
5	18−5790	Gasket	1
6	18−5640	Ring−Retaining	2
7	18−5770	Washer−Lock	2
8	32113−14	Screw	2
9	70−2150	Flyweight	2
10	87−6590	Asm−Lever & Fitting	1
11	87−6580	Stud−Lever Pivot	1
12	3296−5	Nut−Lock	1
13	87−6490	Spring	1
14	87−6550	Pin−Forced Idle	1
15	285−17	Plug−Pipe	2
16	18−5750	Pin	1
17	18−5450	Bearing	2
18	71−4780	Seal−Oil, Rocker Shaft	1
19	3219−2	Nut	2
20	72−5890	Shaft−Rocker	1
21	87−6540	Bolt−Eye	1

Ref. No.	Part No.	Description	No. Used
22	87−6530	Asm−Throttle Lever	1
23	72−5910	Asm−Bumper Screw	1
24	87−6520	Body	1
25	18−5520	Lever−Rocker	1
26	18−5540	Retainer−Sleeve Stop	3
27	18−5440	Spacer	2
28	18−5430	Plug−Expansion	1
29	18−5530	Screw & Lockwasher	2
30	72−5940	Bearing−Needle	1
31	70−2100	Asm−Thrust Sleeve & Bearing	1
32	18−5660	Pin−Pivot, Flyweight	2
33	18−5670	Retainer−Pivot Pin	2
34	87−6510	Asm−Shaft & Yoke	1
35	70−2120	Spacer	1
36	70−2140	Bearing−Front	1
37	18−5580	Seal−Oil, Front	1
38	87−8820	Hub−Pulley	1
39	3274−52	Screw−HH	4
40	3253−18	Washer−Lock	4

3323−187

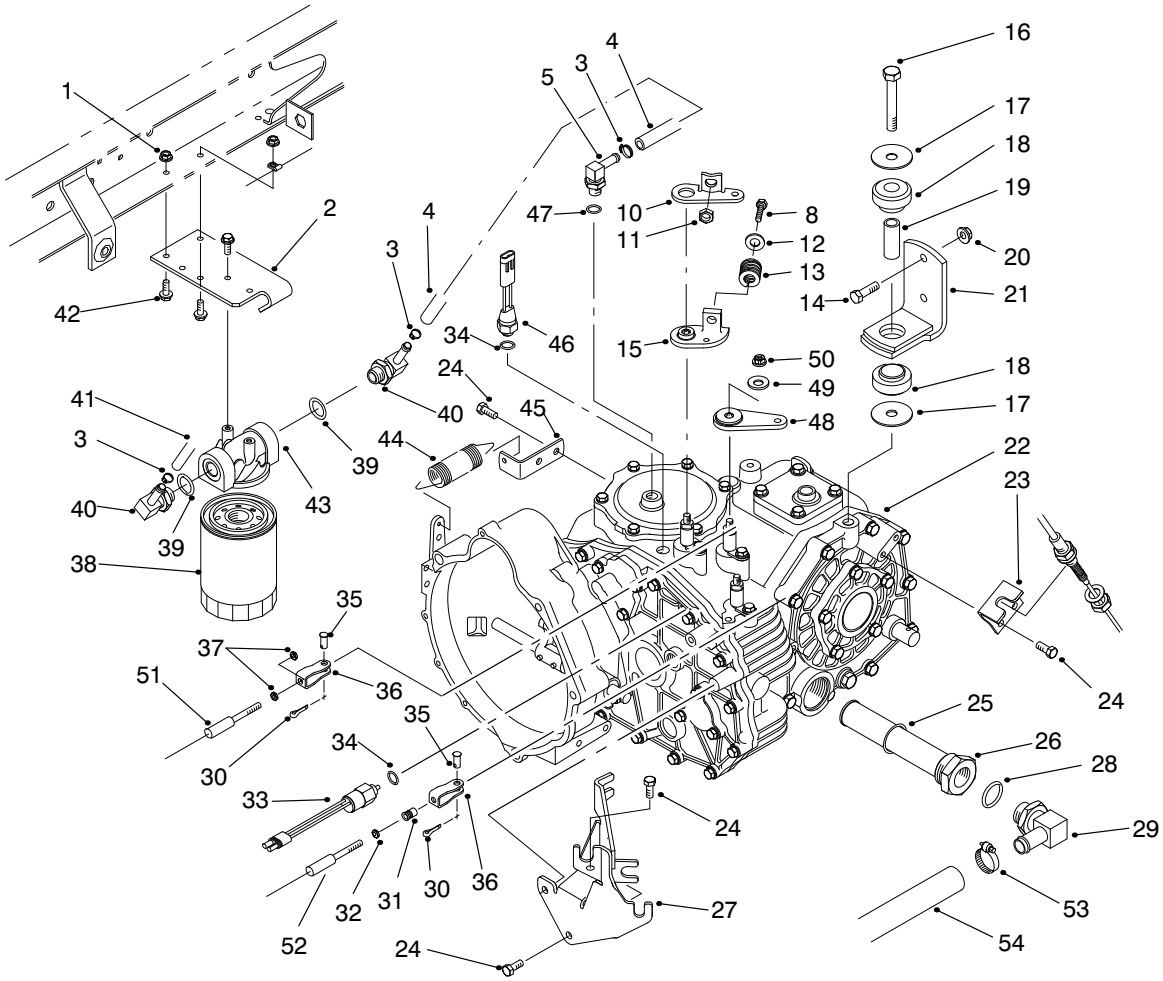


T−1607−1

TRANSAXLE INSTALLATION ASM

Ref. No.	Part No.	Description	No. Used
1	32128−33	Nut−HFH	1
2	87-7040-03	Bracket−Oil Filter	1
3	2412−36	Clamp−Hose	3
4	87−5730	Hose−Hydraulic	1
5	354−135	Fitting−Hydraulic 90° (Incl. Ref. #47)	1
8	323−10	Screw−HH	1
10	87−8250	Plate−Shift Arm	1
11	32128−21	Nut−Lock	1
12	3256−4	Washer−Flat	1
13	87−6910	Spring−Compression	1
14	323−7	Screw−HH	4
15	87−7970	Arm−Shift	1
16	3215−1	Screw−HH	2
17	87−5100	Washer	4
18	87−4970	Asm−Transaxle Mount (Incl. Ref. #19)	2
19		Spacer−Mount	2
20	3296−39	Nut−HFH	4
21	87-5800-03	Bracket−Mount	2
22	87−9250	Asm−Transaxle	1
24	33114−020	Screw−HH	5
25	237−123	O−Ring	1
26	87−3990	Asm−Oil Strainer (Incl. Ref. #25)	1
27	87-4820-03	Bracket−Cable	1

Ref. No.	Part No.	Description	No. Used
28	237−81	O−Ring	1
29	353−987	Fitting−Hydraulic 90° (Incl. Ref. #28)	1
30	3272−6	Pin−Cotter	3
31	32148−15	Nut−Clinch	1
32	3219−14	Nut−Jam	1
33	87−6710	Switch−Supervisor	1
34	237−30	O−Ring	2
35	283−62	Pin−Clevis	3
36	87−2310	Clevis−Cable	2
37	3220−1	Nut−Jam	4
38	54−0110	Element−Oil Filter	1
39	237−79	O−Ring	2
40	354−134	Fitting−Hydraulic 90° (Incl. Ref. #39)	2
41	99−1058	Hose−Hydraulic	1
42	3234−4	Screw−HFH	4
43	87−8780	Head−Oil Filter	1
44	68−9950	Spring−Extension	1
45	87−7170	Bracket−Clutch Spring	1
46	72−4310	Switch−Ball N.C.	1
47	237−42	O−Ring	1
48	87−7960	Lever−Shift Arm	2
49	80−6990	Washer−Flat	3
50	48−9520	Nut−Lock	3



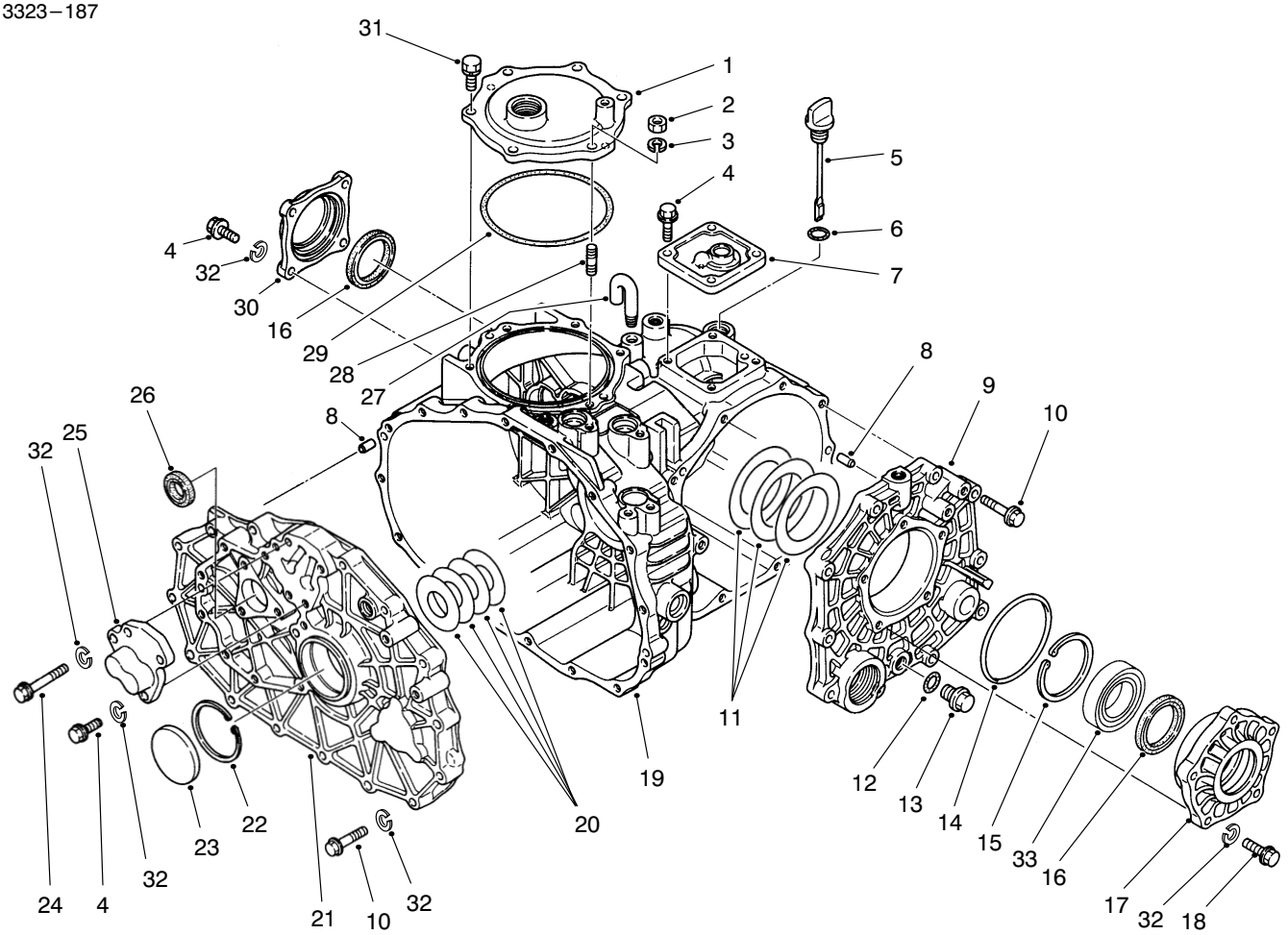
TRANSAXLE INSTALLATION ASM (Continued)

Ref. No.	Part No.	Description	No. Used
51	87−4260	Asm−Shift Cable (Incl. Ref. #37)	2
52	87−4420	Asm−Hi−Lo Cable (Incl. Ref. #32)	1
53	2412−34	Clamp−Hose	1

Ref. No.	Part No.	Description	No. Used
54	87−3670	Hose−Hydraulic	1
*	87−7160	Asm−Cable Clevis (Incl. Ref. #31)	1

*Not Illustrated

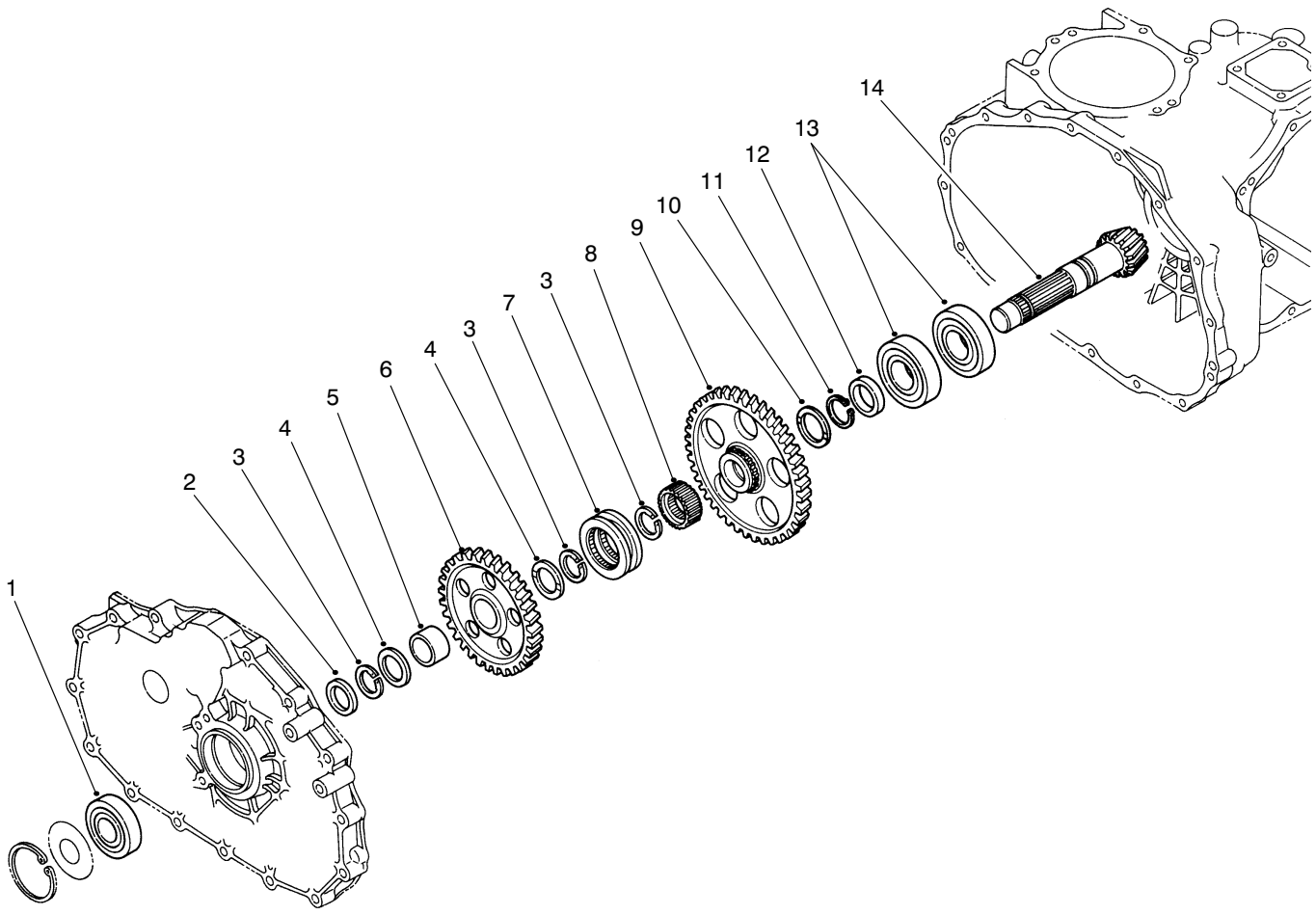
3323−187



TRANSAXLE CASE ASM

Ref. No.	Part No.	Description	No. Used
1	92−0656	Cover−Power Take Off	1
2	48−7930	Nut−Hex.	1
3	92−0762	Washer−Lock	1
4	60−6750	Screw−HH	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−HH	25
11	92−0809	Shim Set	1
12		O−Ring	1
13	92−0773	Asm−Drain Plug (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−HH	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−HH	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−HH	5
32	42−9850	Washer−Lock	42
33	92−0775	Bearing−Ball	2

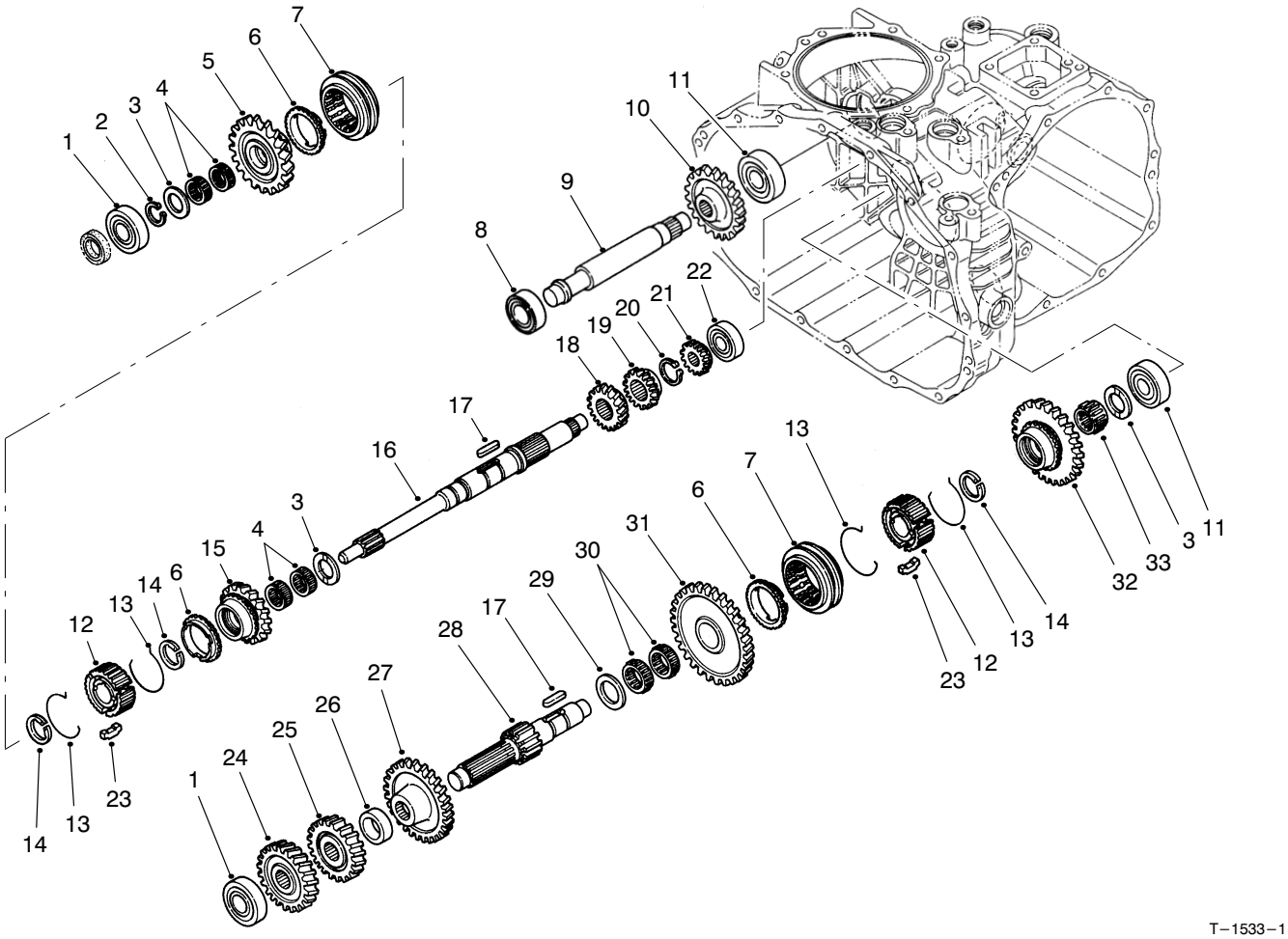


T−1536−1

COUNTERSHAFT ASM

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	Asm−Counter Shaft (Incl. Ring Gear)	1

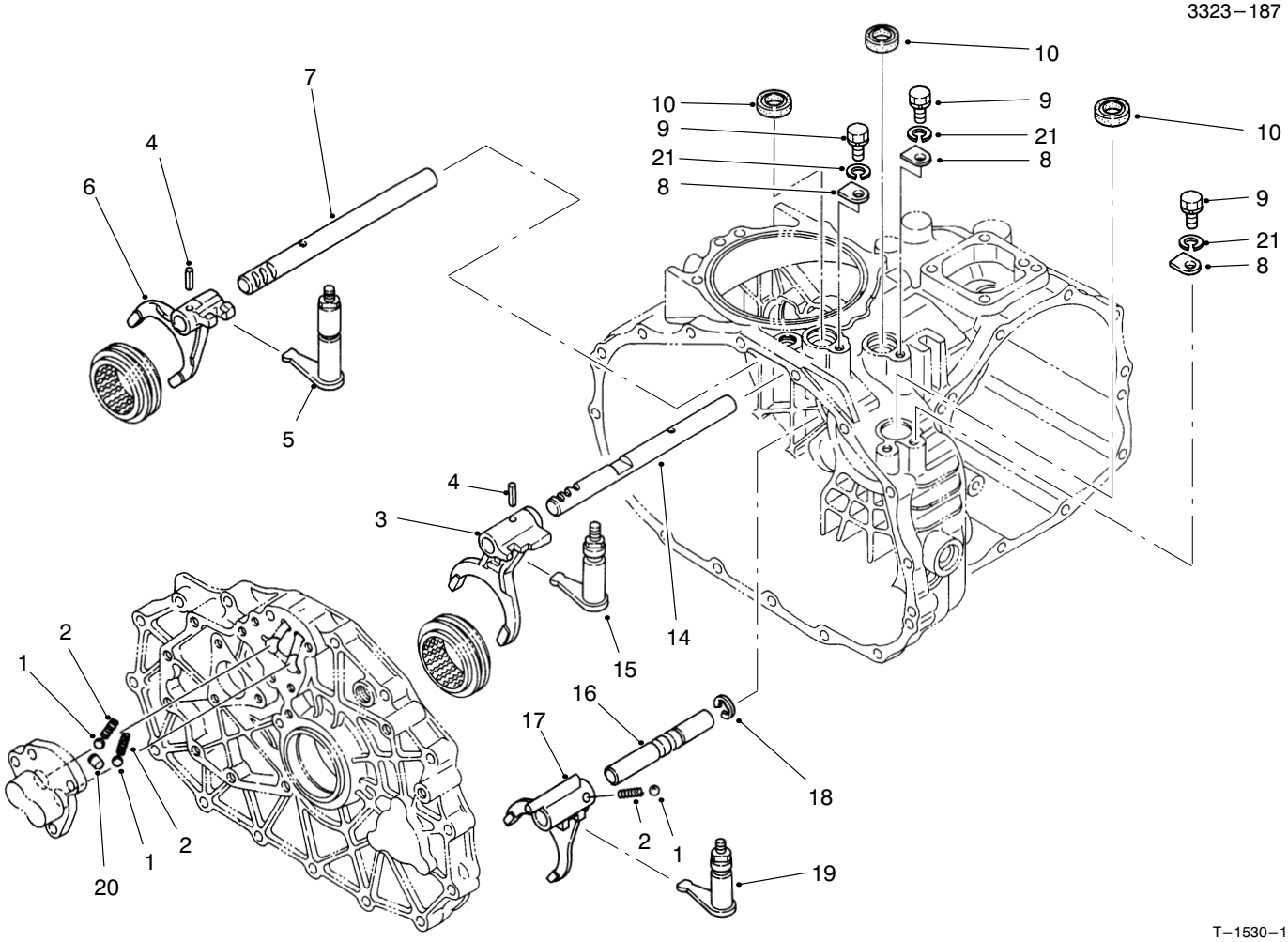


T−1533−1

TRANSAXLE GEAR SHAFTS ASM

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

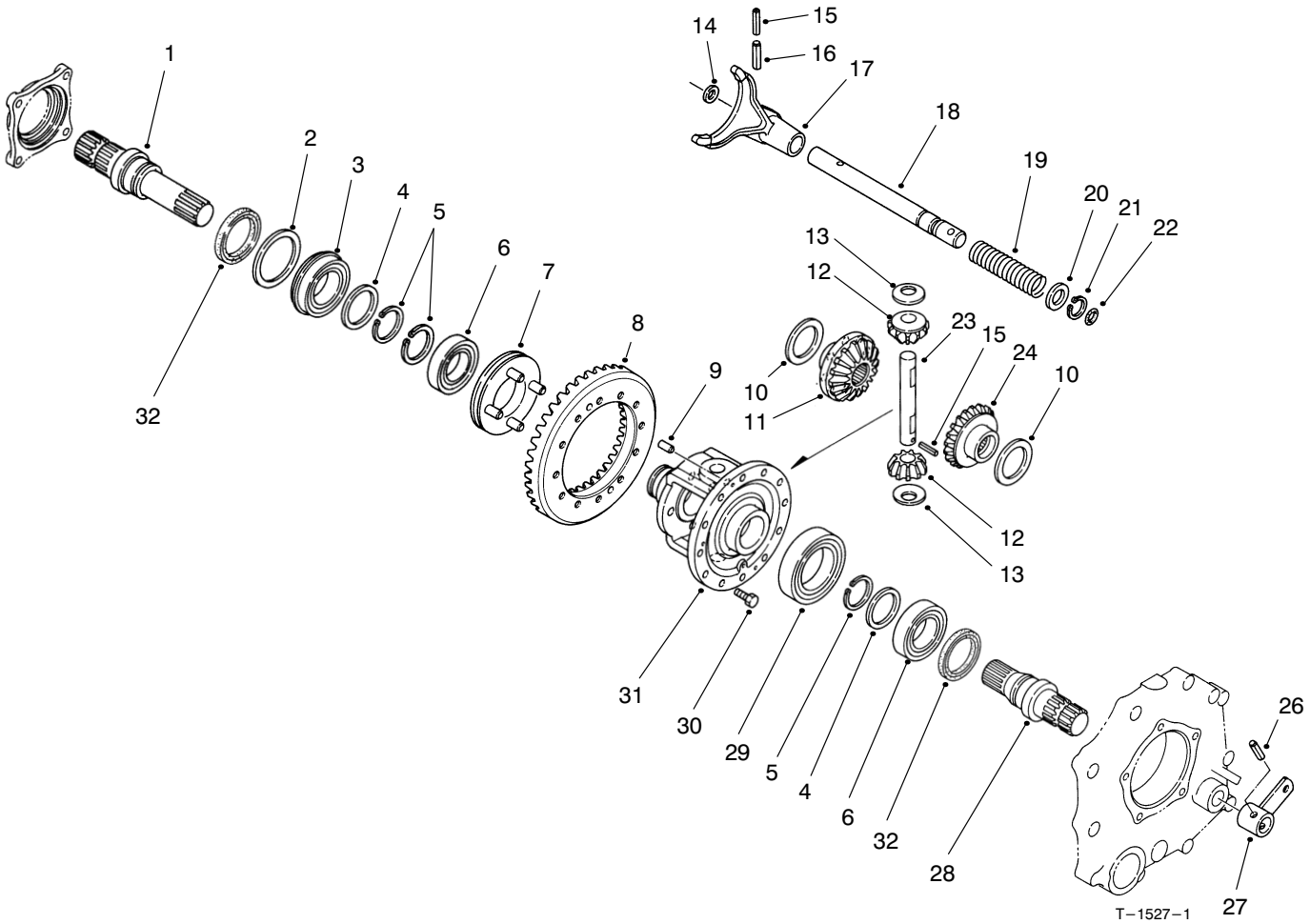


T−1530−1

SHIFT FORK ASM

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−HH	3

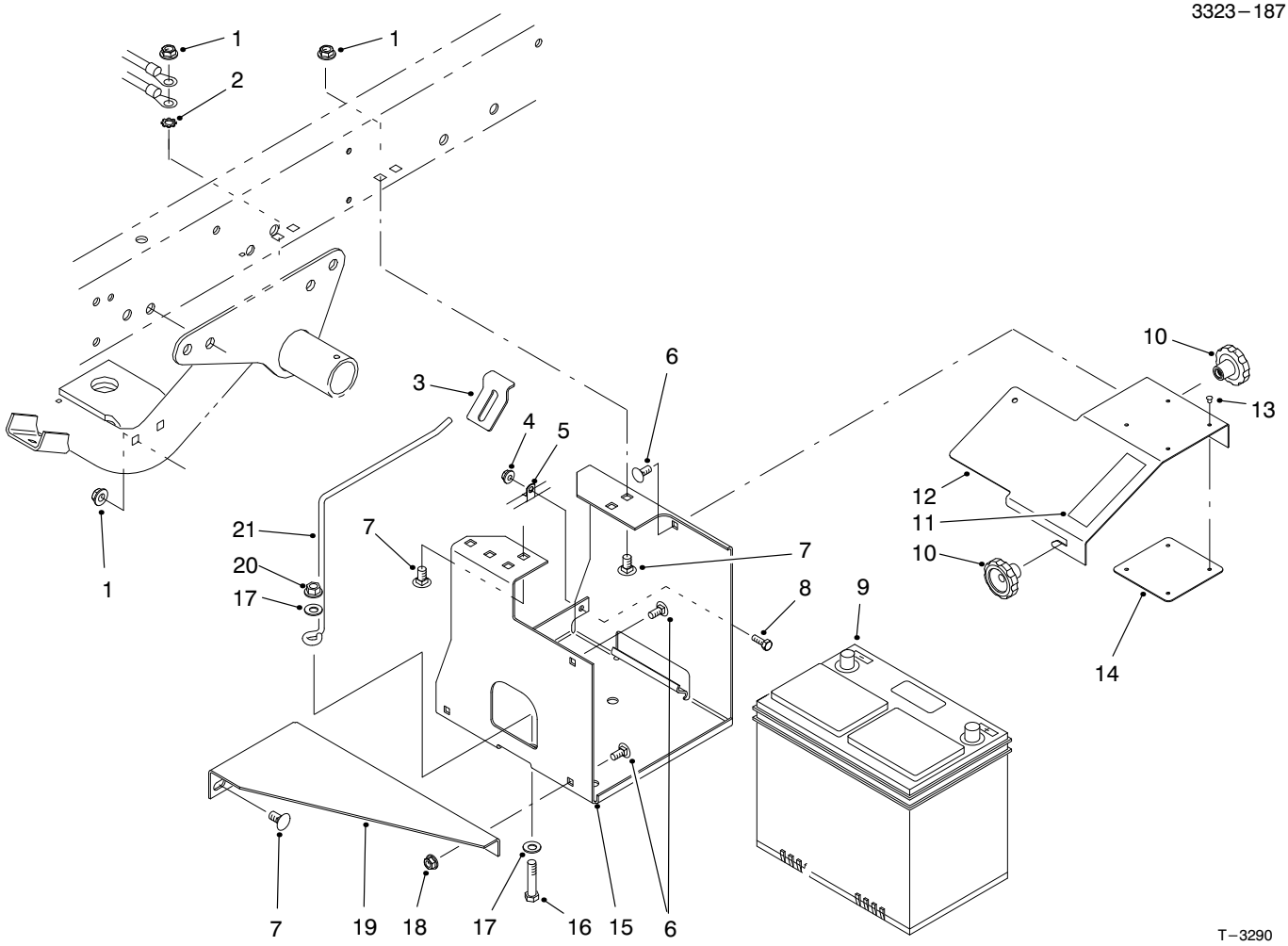
Ref. No.	Part No.	Description	No. Used
10	92−0729	Seal−Oil	3
14	92−0698	Shaft−Fork R−1	1
15	92−0816	Arm−Shift Fork R−1	1
16	92−0708	Shaft−Fork Hi−Lo	1
17	92−0709	Fork−Shift Hi−Lo	1
18	92−0761	Ring−Retaining	1
19	92−0818	Arm−Shift Fork Hi−Lo	1
20	92−0705	Lock−Spindle	1
21	42−9850	Washer−Lock	3



DIFFERENTIAL GEAR ASM

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	Asm−Ring Gear (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−HHF	12
31	92−0720	Case−Differential	1
32	92−0793	Seal−Oil	2

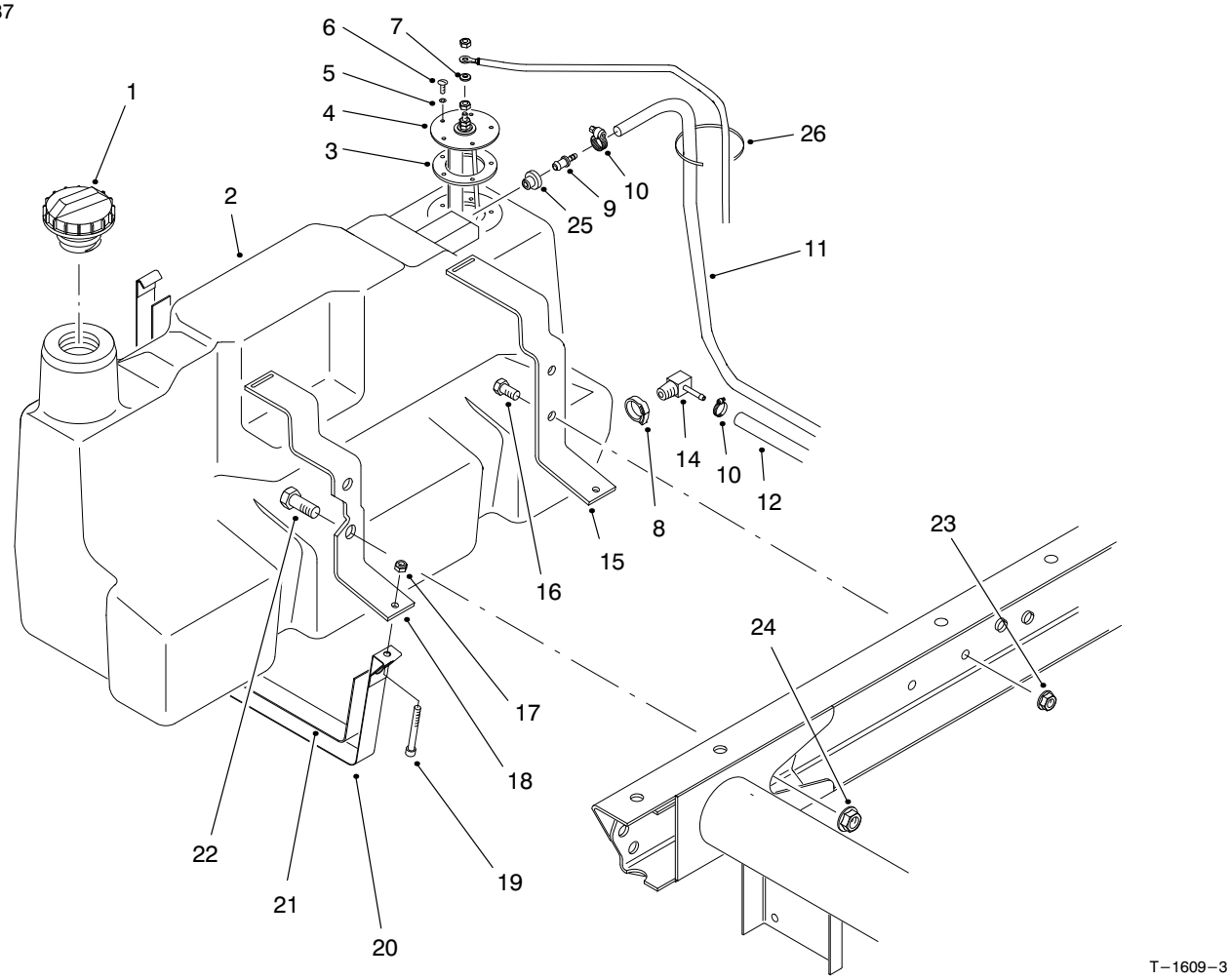


BATTERY MOUNT ASM

Ref. No.	Part No.	Description	No. Used
1	3290−357	Nut−HFH	6
2	3255−9	Washer−Lock ETLW	1
3	87−7610	Tab−Battery Support	1
4	32128−33	Nut−HFH	1
5	2412−89	Clamp−R	1
6	3230−23	Bolt−CARR	4
7	3231−21	Bolt−CARR	6
8	321−4	Screw−HH	1
9	55−7290	Battery	1
10	19−4050	Knob	2
11	36−3400	Decal−No Step	1

Ref. No.	Part No.	Description	No. Used
12	87-5130-03	Cover−Battery Base	1
13	3296−27	Rivet−Plastic	4
14	87−7620	Shield−Plastic	1
15	87-5120-03	Bracket−Battery Base	1
16	323−9	Screw−HH	1
17	3256−24	Washer−Flat	2
18	32128−20	Nut−HFH	2
19	87−5110	Support−Lower	1
20	3296−39	Nut−HFH	1
21	87−7600	Rod−Battery Support	1

3323−187



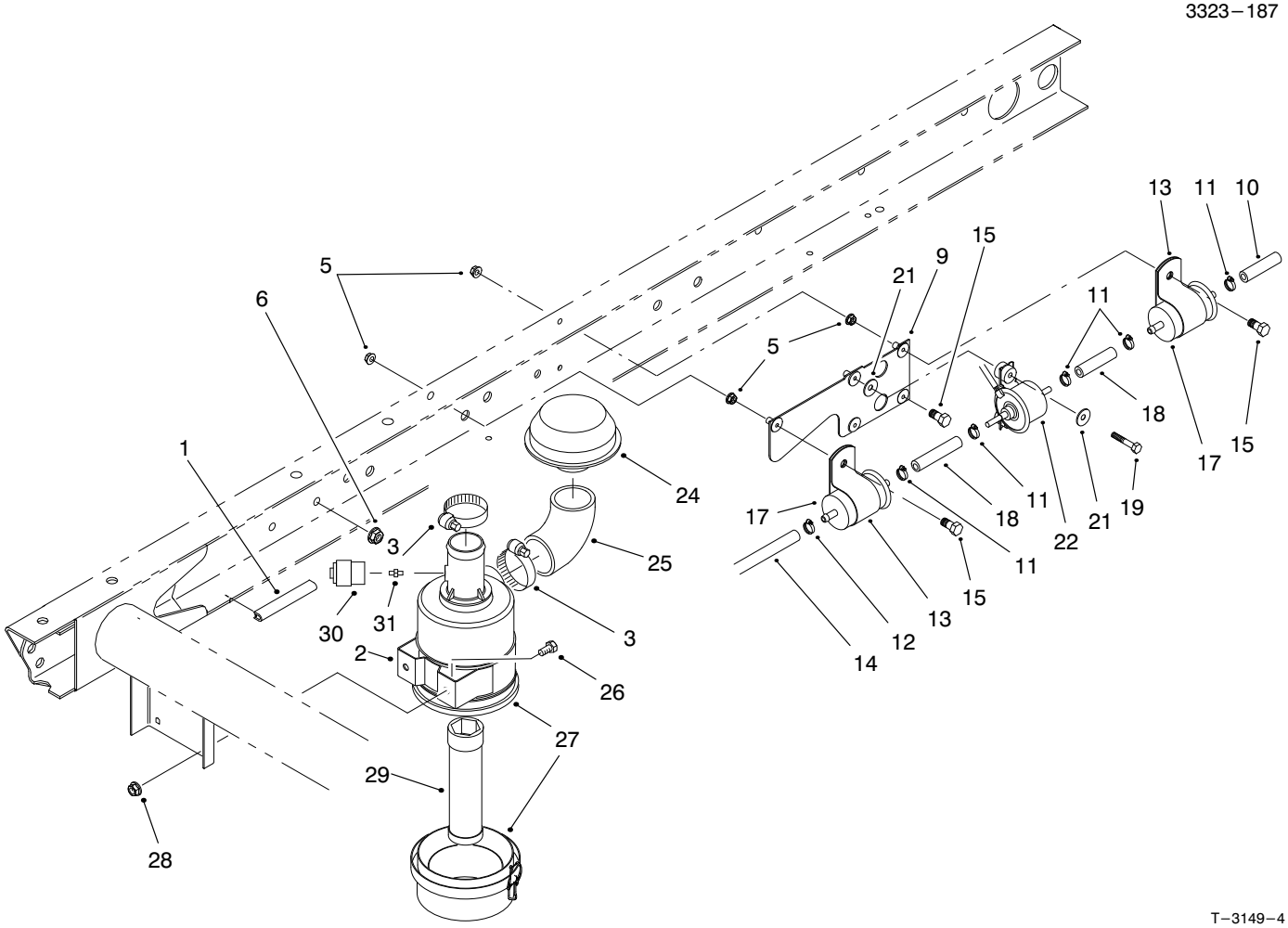
T−1609−3

FUEL TANK ASM

Ref. No.	Part No.	Description	No. Used
1	93−3101	Cap−Fuel (US)	1
*	93−7170	Cap−Fuel (CE)	1
2	98−2915	Asm−Fuel Tank (Incl. Ref. #8, 9,14 & 25)	1
3	62−7650	Gasket−Sending Unit	1
4	63−7640	Unit−Sending	1
5	3253−15	Washer−Lock	5
6	32122−24	Screw−RH	5
7	5−3637	Washer−Flat	1
8	2412−36	Clamp	1
9	98−2952	Fitting−Fuel Straight	1
10	2412−108	Clamp−Hose	2
11	93−2298	Hose−Fuel	1
12	63−9640	Hose−Fuel	1

Ref. No.	Part No.	Description	No. Used
14	353−781	Fitting−Fuel 90°	1
15	87-3140-03	Support−Rear	1
16	323−4	Screw−HH	2
17	3296−42	Nut−Lock	2
18	87-3150-03	Support−Front	1
19	3274−54	Screw−HSH	2
20	87−3160	Strap−Tank Support	2
21	87−3170	Pad−Tank Support Strap	2
22	3234−38	Screw−HH	2
23	3290−357	Nut−HFH	2
24	32128−23	Nut−HFH	2
25	46−6560	Bushing	1
26	3290−378	Tie−Cable	1

*Not Illustrated



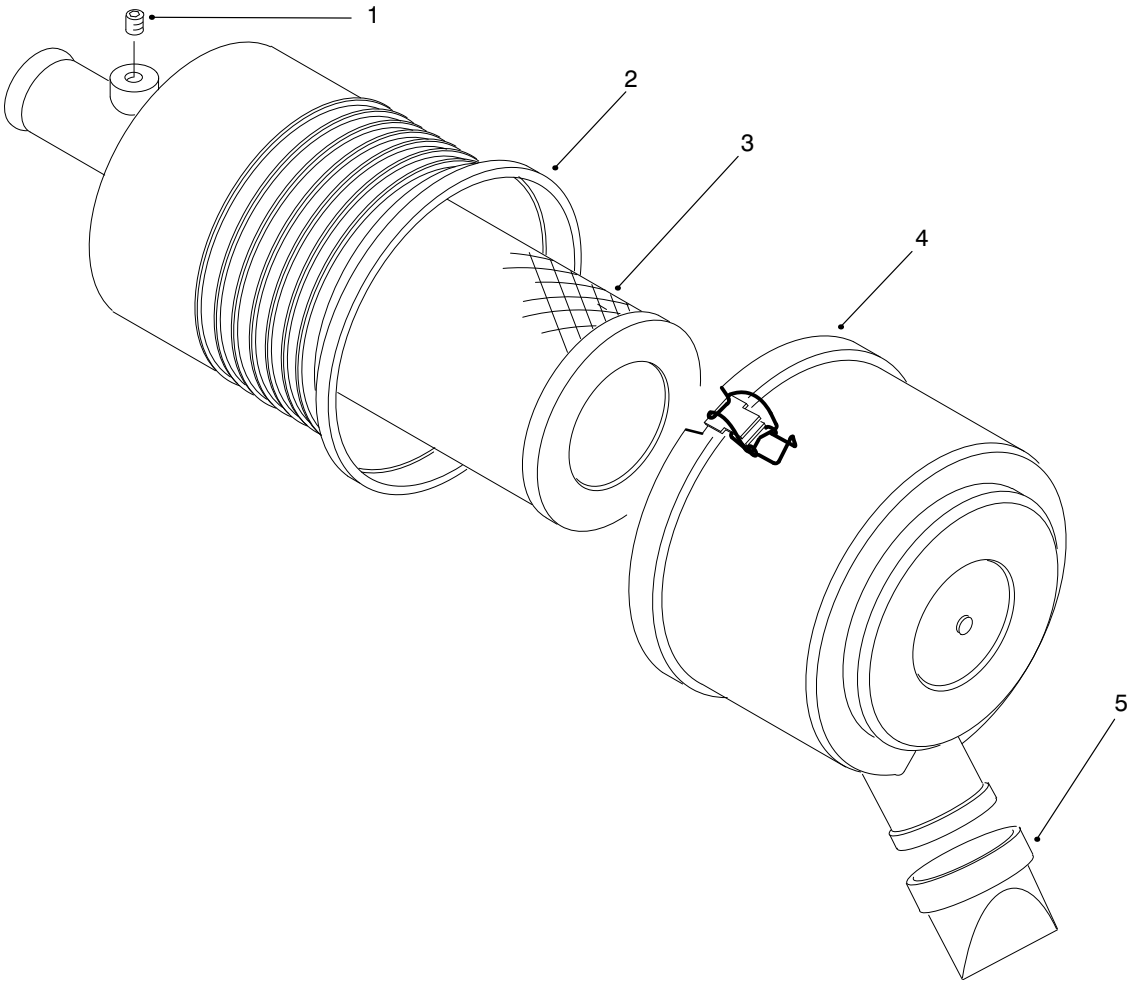
T−3149−4

AIR CLEANER & FUEL SUPPLY ASM

Ref. No.	Part No.	Description	No. Used
1	43−4300	Trim	3
2	93−2191	ASM−Band, Mounting	1
3	2412−92	Clamp−Hose	2
5	32128−33	Nut−Hex. Flange	6
6	3290−357	Nut−HFH	2
9	99−9402	Plate	1
10	94−9502	Hose−Fuel	1
11	2412−98	Clamp−Hose	2
12	2412−108	Clamp−Hose	1
13	2412−148	Clamp−R	2
14	63−9640	Hose−Fuel	1
15	3234−10	Screw−HFH	3
17	99−9404	Filter−Fuel	2
18	99−9415	Hose−Fuel	2

Ref. No.	Part No.	Description	No. Used
19	3234−21	Screw−HFH	2
21	3256−67	Washer−Flat	4
22	92−2007	Pump−Fuel	1
24	46−7510	Hood−Air Inlet	1
25	94−5248	Elbow−Intake, Air	1
26	322−2	Screw−HH	2
27	95−5805	ASM−Air Cleaner	1
28	32128−20	Nut−HFH	2
29	98−2982	Filter−Element, Safety (Optional)	1
30	93−9164	Indicator−Service (Optional)	1
31	94−1416	Asm−Adapter, Indicator (Optional)	1

3323−187



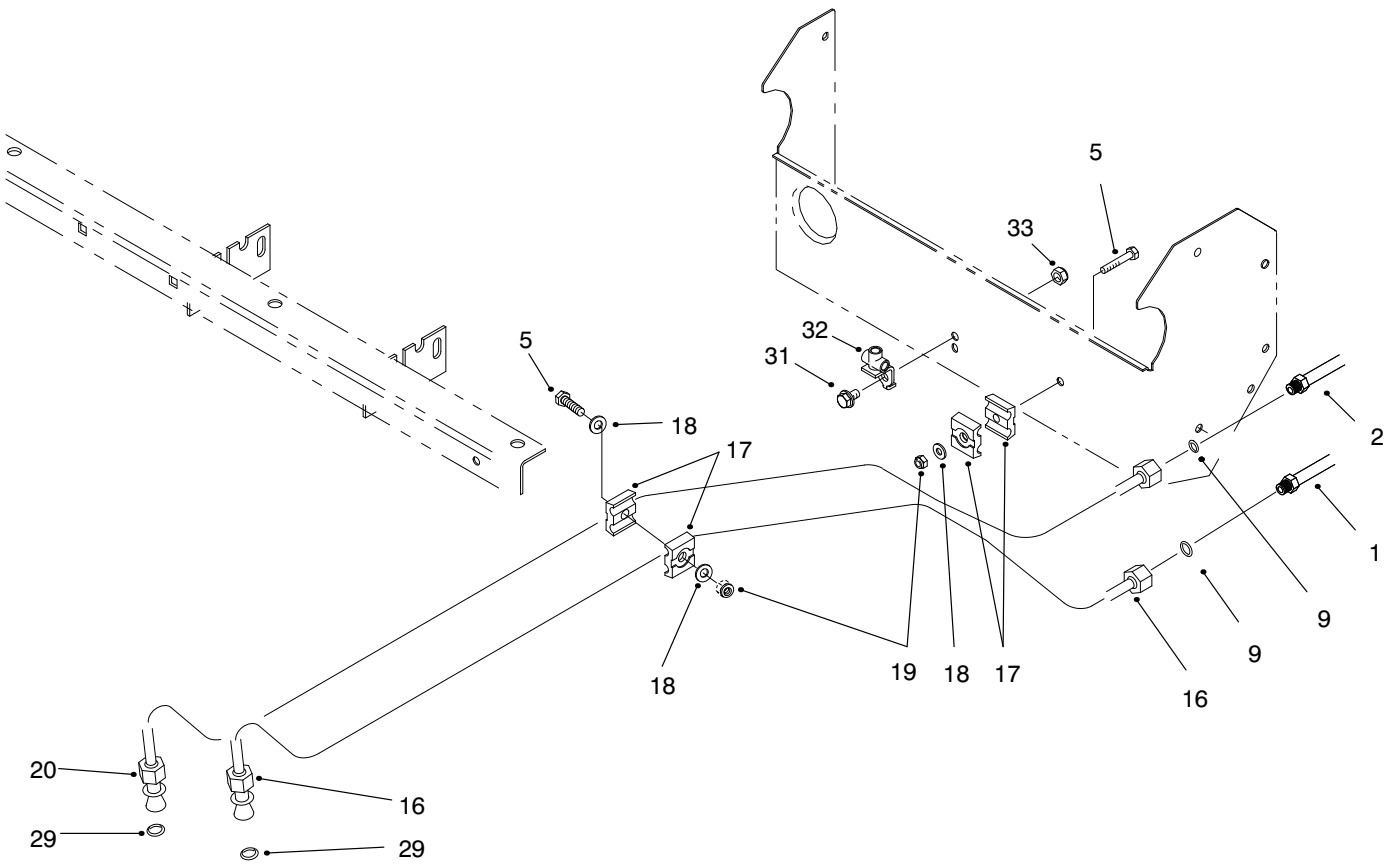
T−2607

AIR CLEANER ASM NO. 95−5805

Ref. No.	Part No.	Description	No. Used
1	285−17	Plug	1
2		Asm−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	Asm−Cover	1
5	94−1414	Vacuator	1

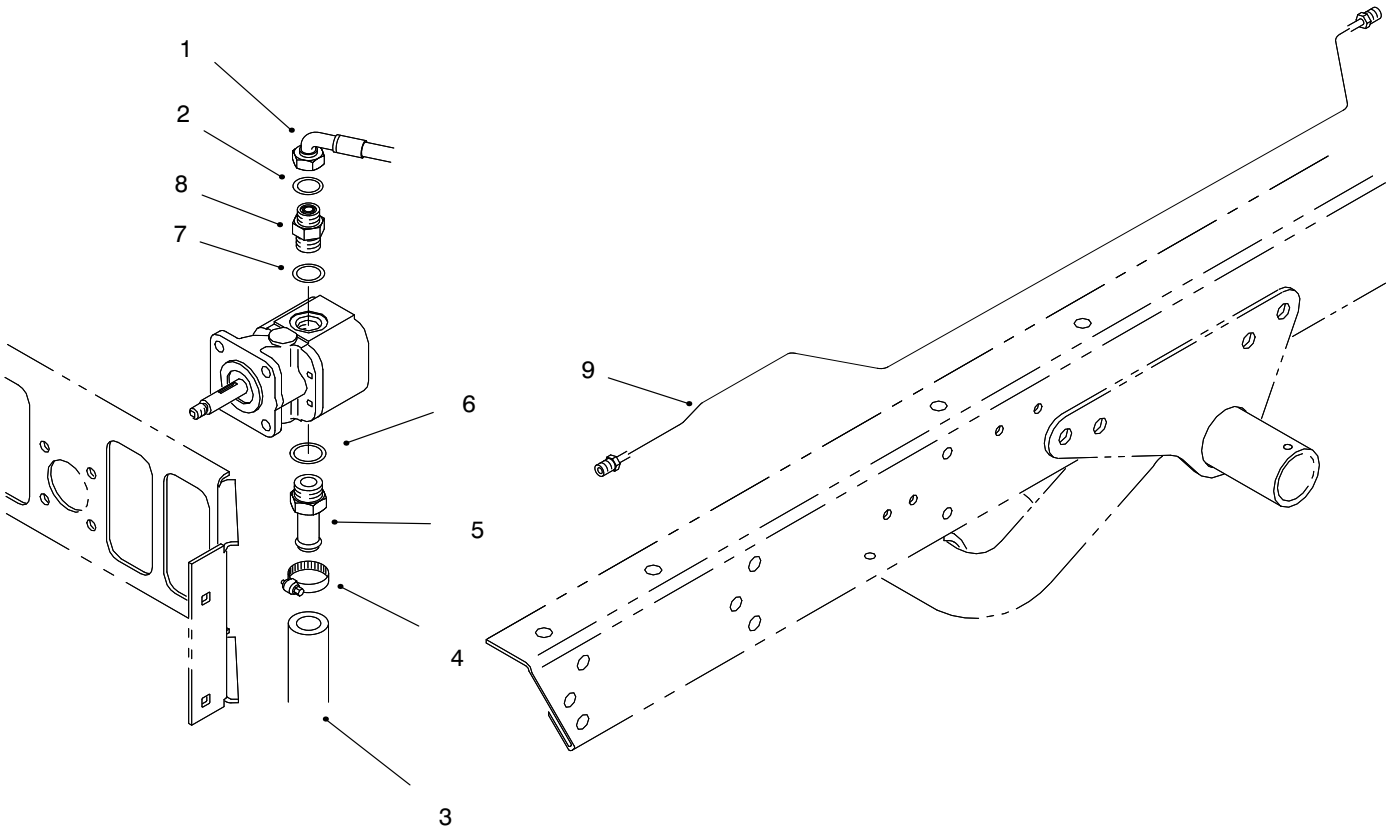
*Not Illustrated



T−3291

HYDRAULIC STEERING LINES ASM

Ref. No.	Part No.	Description	No. Used
1	99−1053	Hose Asm (Include Ref #9	1
2	99−1058	Hose Asm (Include Ref #9	1
5	321−9	Screw−HH	2
9	237−22	O−Ring	2
16	87−9350	Asm−Hydraulic Tube (Incl. Ref. #29)	1
17	56−7973	Clamp−Hydraulic Tube	4
18	3256−22	Washer−Flat	3
19	3296−42	Nut−Lock	2
20	87−4540	Asm−Hydraulic Tube (Incl. Ref. #29)	1
29	39−7310	O−Ring	2
31	322−2	Screw−HH	1
32	87−3560	Tee−Brake Tube	1
33	32128−20	Nut−HFH	1

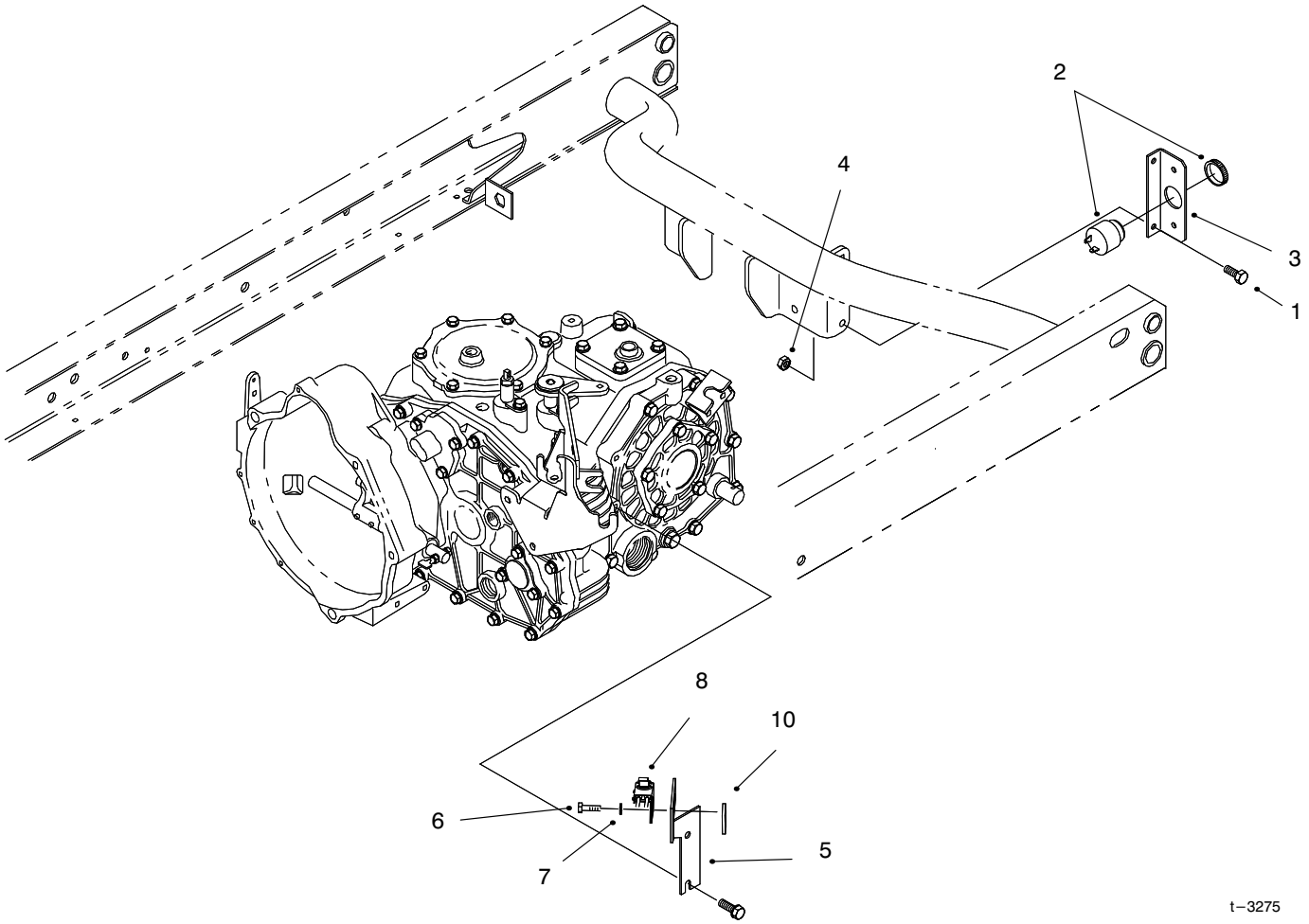


T−3292

PUMP ASM

Ref. No.	Part No.	Description	No. Used
1	99−1053	Hose−Hydraulic	1
2	237−22	O−Ring	1
3	87−3670	Hose−Hydraulic	1
4	2412−34	Clamp	1
5	354−136	Fitting−Hydraulic Straight (Incl. Ref. #6)	1

Ref. No.	Part No.	Description	No. Used
6	237−80	O−Ring	1
7	237−79	O−Ring	1
8	340−3	Fitting−Hydraulic Straight (Incl. Ref. #2 & 7)	1
9	94−3844	Tube Asm−Brake Rear LH	1

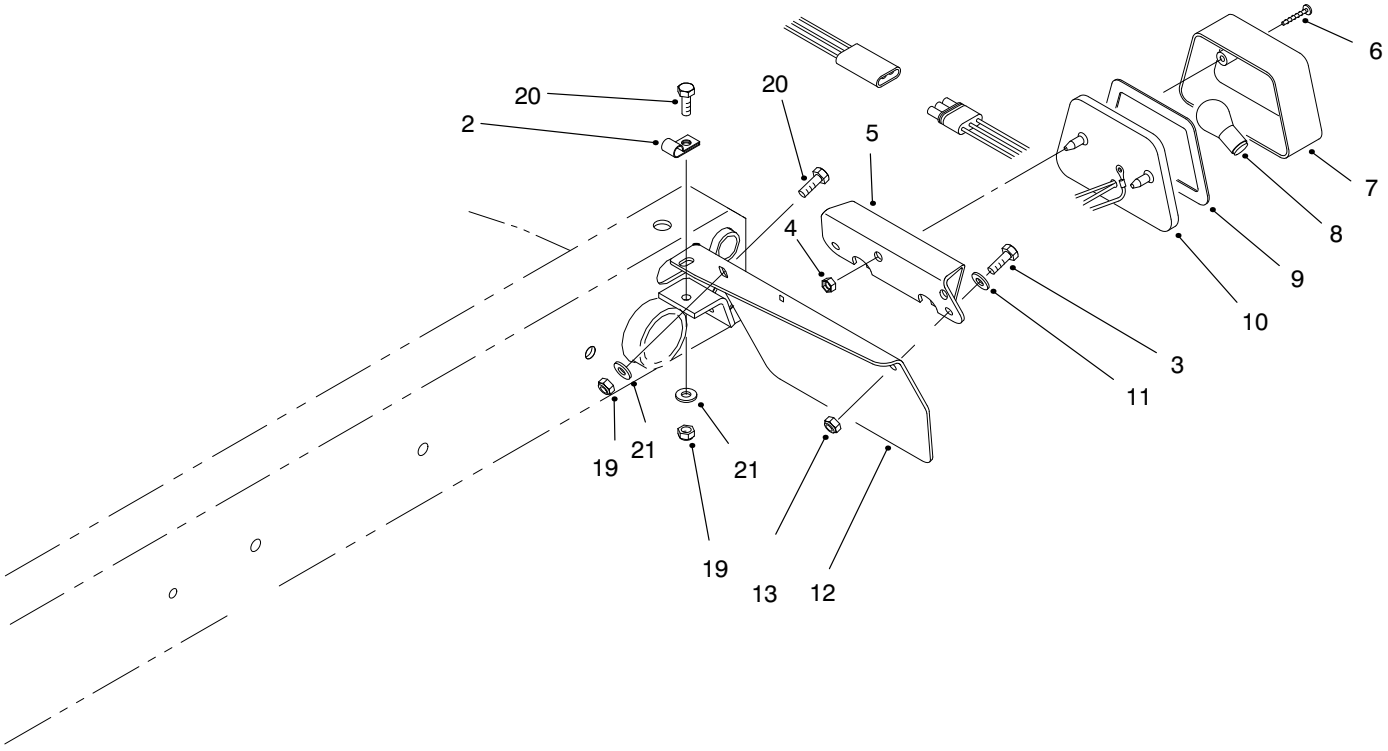


BACKUP ALARM

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

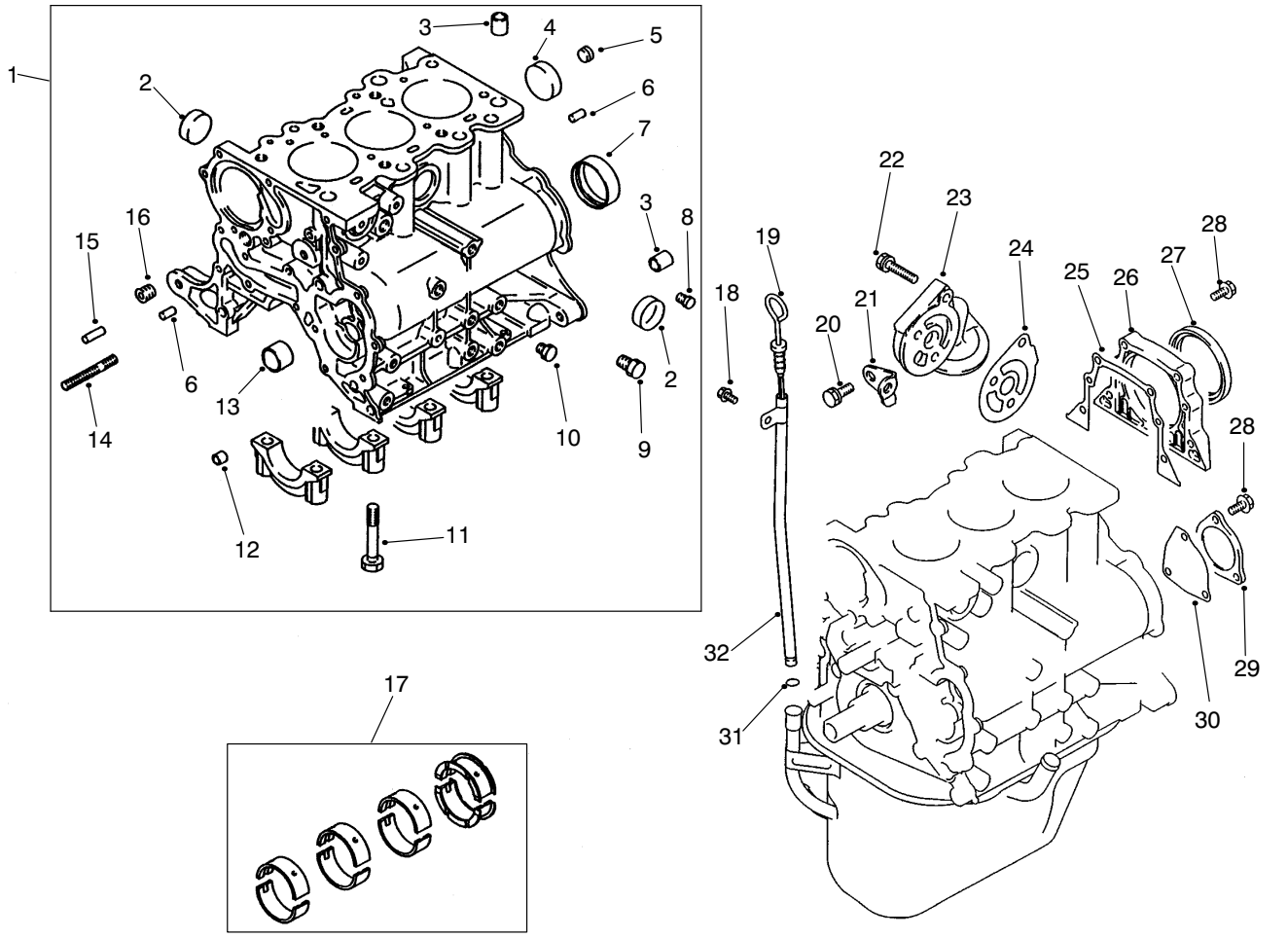


T−3293

TAIL LIGHT ASM

Ref. No.	Part No.	Description	No. Used
2	2412−93	Clamp−R	1
3	321−6	Screw−HH	2
4	3290−506	Palnut	2
5	87-5770-03	U−Bracket−Tail Light	1
6	32144−93	Screw−TAP	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	Asm−Tail Light (Incl. Ref. #6−9)	1
11	3256−22	Washer−Flat	2
12	100−4453	Plate−Tail Light LH	1
13	3296−42	Nut−Lock	2
19	3296−29	Nut−Lock	2
20	322−5	Screw−HH	2
21	3256−23	Washer−Flat	2



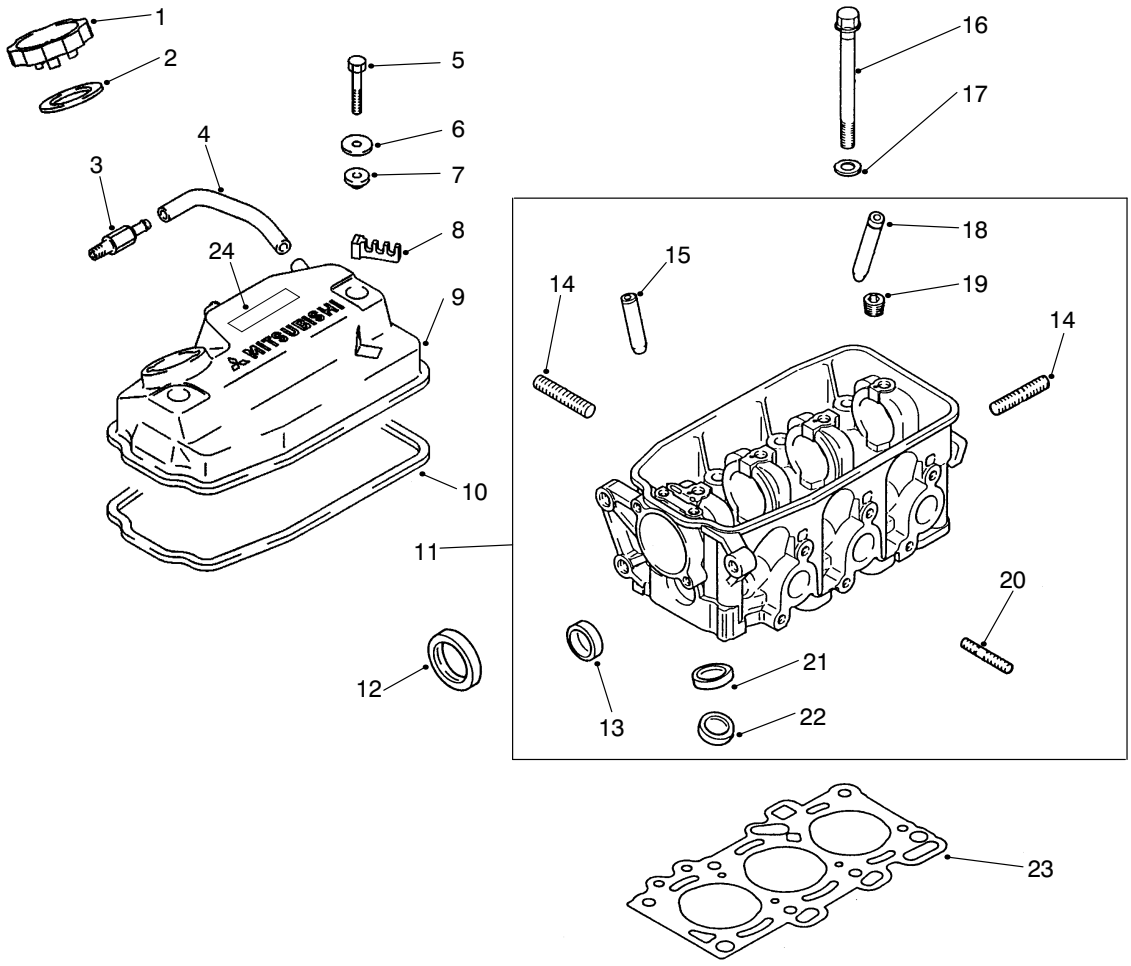
T−1631−1

CYLINDER BLOCK ASM

Ref. No.	Part No.	Description	No. Used
1	92−2006	Asm−Crankcase (Incl. Ref. #2−16)	1
2	92−2151	Cap−Sealing	3
3	92−2152	Bushing	4
4	92−1994	Cap−Sealing	1
5	92−1935	Plug−Taper	1
6	92−2148	Pin−Dowel	2
7	92−1982	Bearing−Ring	1
8	92−1902	Plug−Taper	1
9	56−0100	Plug−Taper	1
10	92−1910	Plug−Taper	1
11	67−2250	Bolt	8
12	67−2360	Bushing	4
13	92−1981	Bearing−Front	1
14	92−5107	Stud	1
15	92−1958	Pin−Dowel	1
16	67−2390	Plug−Taper	1

Ref. No.	Part No.	Description	No. Used
17	92−1956	Bearing−Set, Main	1
18	92−5112	Bolt−Flange Head	1
19	92−5110	Gauge−Oil Level	1
20	92−2144	Bolt	2
21	92−5109	Stay−Oil Filter	1
22	92−2143	Bolt	3
23	92−2012	Bracket−Oil Filter	1
24	92−5108	Gasket−Bracket	1
25	92−1987	Gasket	1
26	92−2045	Housing−Seal, Oil	1
27	92−1952	Seal−Oil	1
28	92−2131	Bolt−Flange Head	7
29	92−1945	Cover−Rear	1
30	92−1991	Gasket	1
31	92−1925	O−Ring	1
32	92−5111	Guide−Oil Level Gauge	1

3323−187



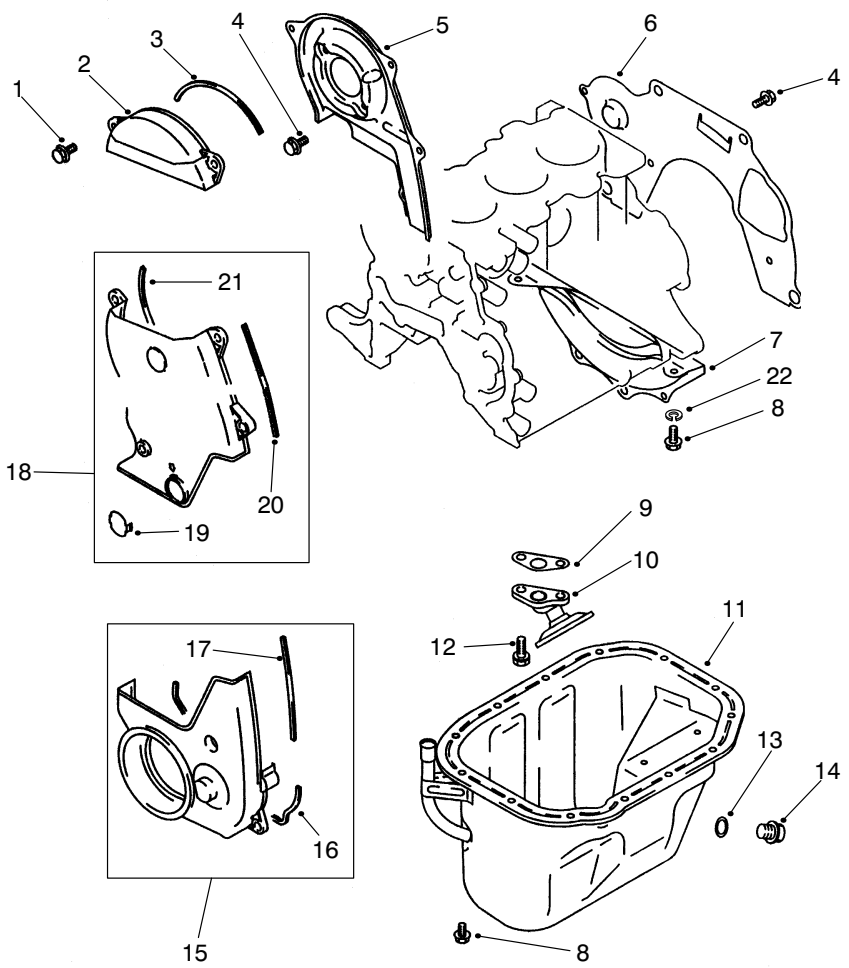
T−1630−2

ROCKER COVER & CYLINDER HEAD ASM

Ref. No.	Part No.	Description	No. Used
1	92−1975	Cap−Oil (Incl. Ref. #2)	1
2	92−1943	Packing	1
3	92−2050	PCV Valve	1
4	92−2026	Hose−PCV Valve	1
5	92−2128	Bolt−Cover	2
6	92−2063	Washer	2
7	92−1929	Seal−Oil	2
8	92−1915	Clamp−Cable	1
9	94−5295	Asm−Cover (Incl. Ref. #8,10 & 24)	1
10	92−1944	Gasket−Cover, Rocker	1
11	92−2034	Head−Cylinder (Incl. Ref. #13−15 & 18−22)	1
12	92−2021	Seal−Oil	1
13	92−2151	Cap−Sealing	1
14	42−9560	Stud	3
15	92−1926	Guide−Intake Valve (.05 mm OS)	3
*	92−5103	Guide−Intake Valve (.25 mm OS)	3
*	92−5104	Guide−Intake Valve (.50 mm OS)	3

Ref. No.	Part No.	Description	No. Used
16	92−1971	Bolt	8
17	92−1903	Washer	8
18	92−1911	Guide−Exhaust Valve (.05 mm OS)	1
*	92−5105	Guide−Exhaust Valve (.25 mm OS)	1
*	92−5106	Guide−Exhaust Valve (.50 mm OS)	1
19	92−1916	Plug−Taper	1
20	92−1905	Stud	6
21	92−1959	Seat−Intake Valve (.30 mm OS)	3
*	92−5102	Seat−Intake Valve (.60 mm OS)	3
22	92−1976	Seat−Exhaust Valve (.30 mm OS)	3
*	92−5101	Seat−Exhaust Valve (.60 mm OS)	3
23	92−1997	Gasket−Cylinder	1
24		Label−Emission	1

*Not Illustrated



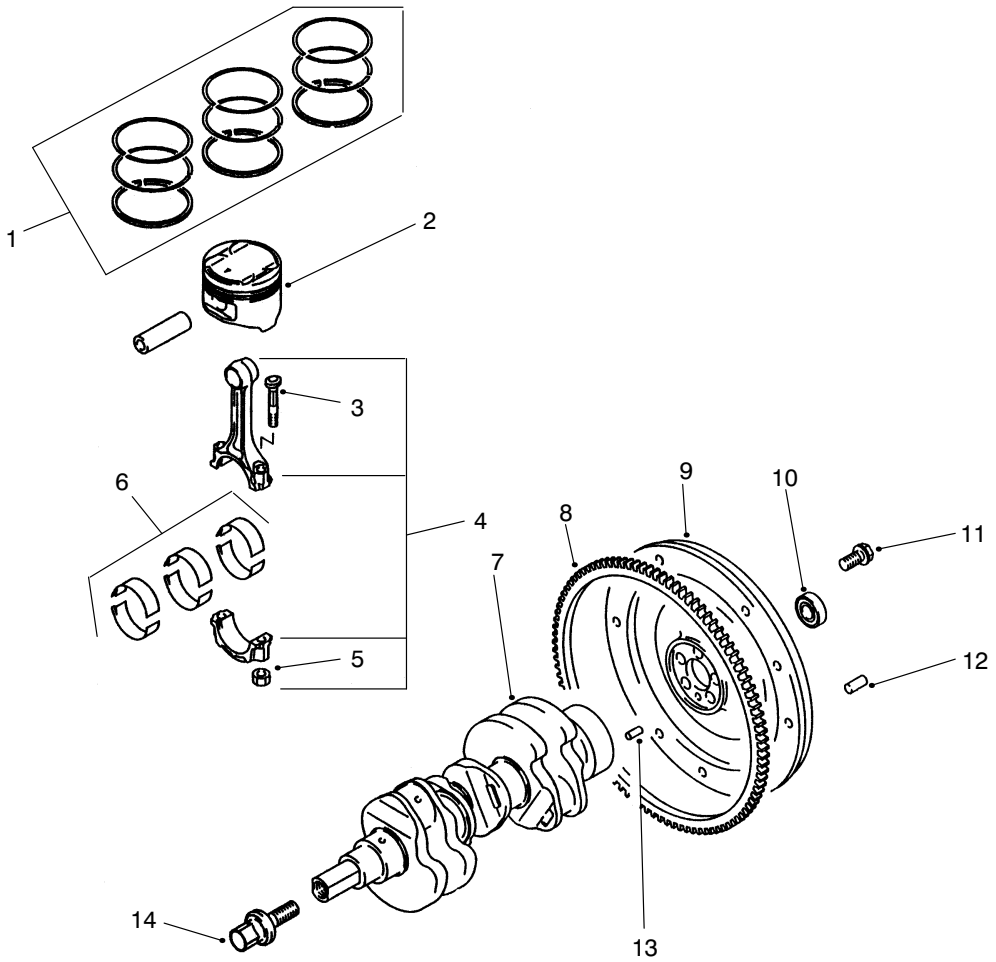
T−1632−1

COVERS & OIL PAN ASM

Ref. No.	Part No.	Description	No. Used
1	92−5113	Bolt−Flange Head	3
2	92−1965	Asm−Cover	
		(Incl. Ref.#3)	1
3	92−1962	Gasket	1
4	92−2131	Bolt−Flange Head	2
5	92−2035	Cover−Front	1
6	92−1937	Plate−Rear	1
7	92−1938	Cover−Bell Housing	1
8	48−7610	Bolt−HH	2
9	92−1988	Gasket−Oil	1
10	92−2019	Strainer−Oil	1
11	92−2053	Asm−Oil Pan	
		(Incl. Ref.#13−14)	1

Ref. No.	Part No.	Description	No. Used
12	92−2137	Bolt/washer	2
13	92−1921	Gasket−Oil	1
14	92−1920	Plug−Oil	1
15	92−1967	Asm−Cover	
		(Incl. Ref. #16−17)	1
16	92−1939	Gasket	1
17	92−1940	Gasket	1
18	92−1996	Asm−Cover, Front	
		(Incl. Ref.#19−21)	1
19	92−1907	Cover−Access	1
20	92−1962	Gasket	1
21	92−1966	Gasket	1
22	3253−3	Washer−Lock	2

3323−187



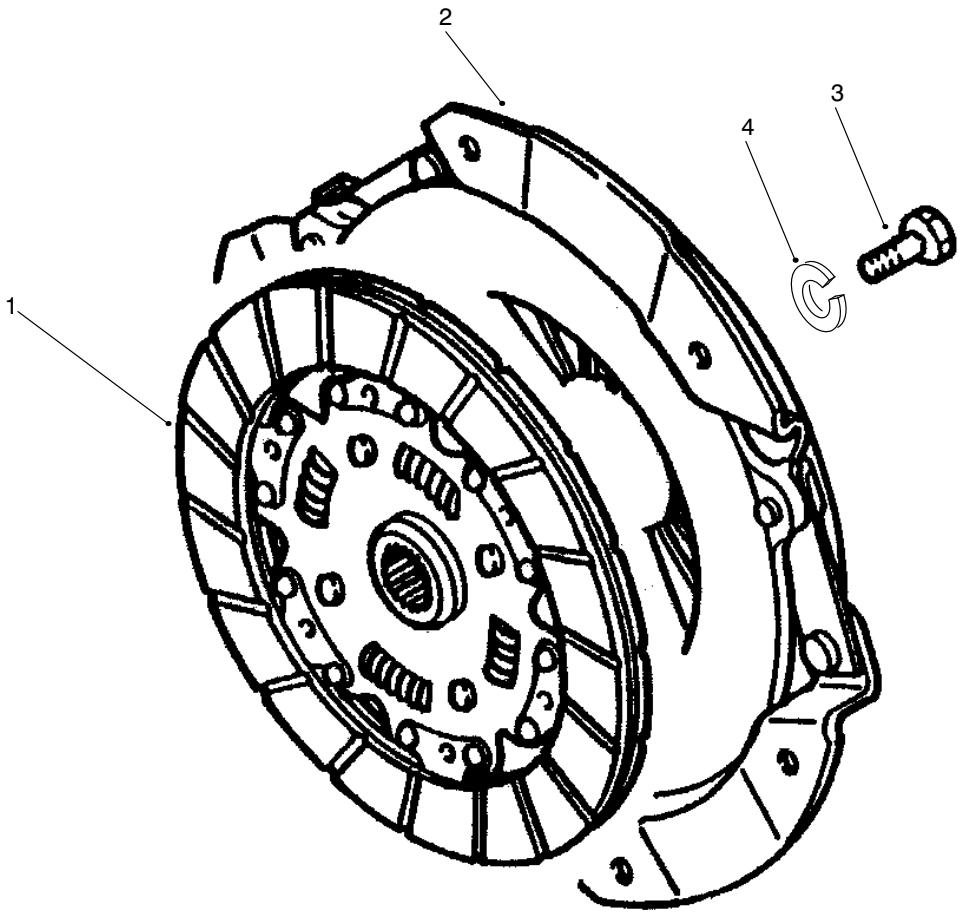
T−1633−1

PISTON & CRANKSHAFT ASM

Ref. No.	Part No.	Description	No. Used
1	92−2014	Piston Ring Set (Std.)	1
*	92−5118	Piston Ring Set (.25 mm OS)	1
*	92−2015	Piston Ring Set (.50 mm OS)	1
*	92−5120	Piston Ring Set (.75 mm OS)	1
*	92−5121	Piston Ring Set (1.00 mm OS)	1
2	92−2005	Piston & Pin (Std.)	3
*	92−2013	Piston & Pin (.50 mm OS)	3
*	92−5116	Piston & Pin (.75 mm OS)	3
*	92−5117	Piston & Pin (1.00 mm OS)	3

Ref. No.	Part No.	Description	No. Used
3	92−2003	Bolt−Connecting Rod	6
4	92−1999	Rod−Connecting (Incl. Ref. #3 & 5)	3
5	92−1923	Nut	6
6	92−1957	Rod Bearing Set	1
7	92−1995	Asm−Crankshaft	1
8	92−1942	Gear−Ring	1
9	92−1980	Flywheel	1
10	92−1914	Bearing−Ball	1
11	92−1934	Bolt−Flywheel	5
12	42−7160	Pin−Dowel	3
13	92−2148	Pin−Dowel	1
14	92−2057	Bolt−Crankshaft PTO	1

*Not Illustrated

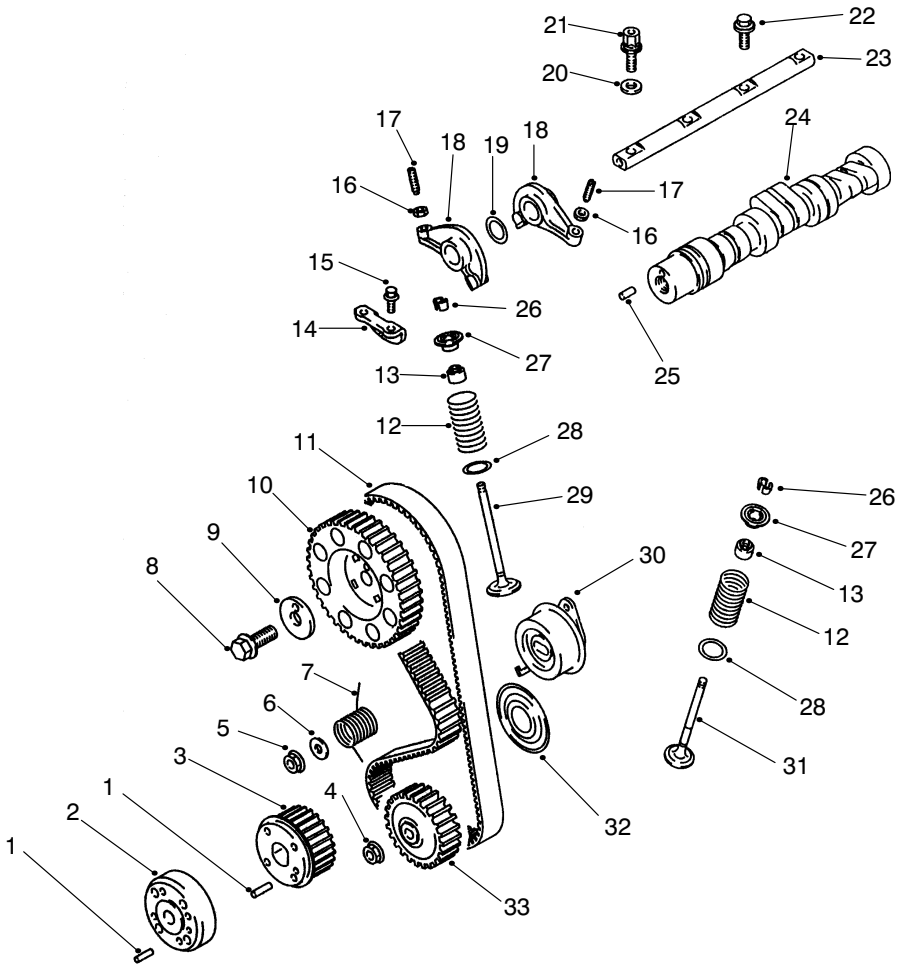


T–1644–1

CLUTCH & CLUTCH RELEASE ASM

Ref. No.	Part No.	Description	No. Used
1	98–2959	Disc–Clutch	1
2	98–2958	Cover–Clutch	1

Ref. No.	Part No.	Description	No. Used
3	48–7700	Bolt	6
4	3253–4	Washer–Lock	6

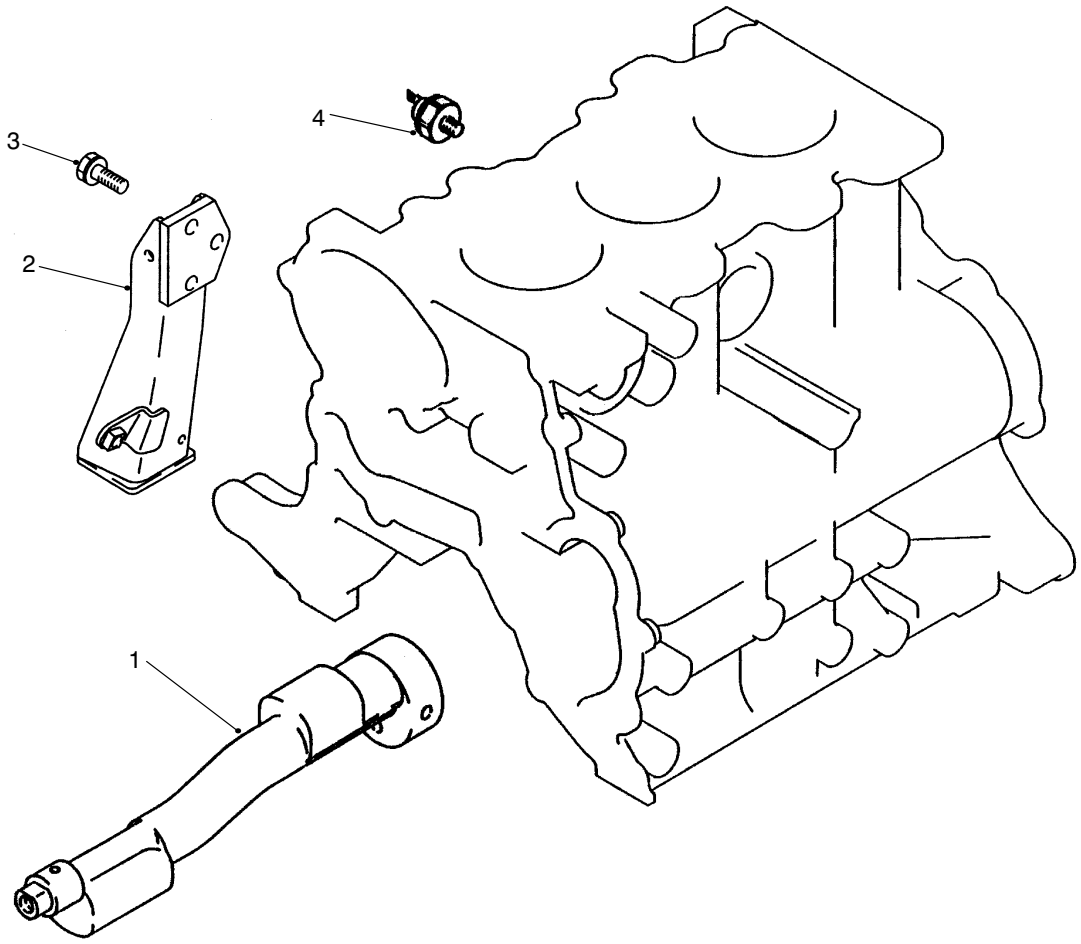


T–1634–1

CAMSHAFT & VALVES ASM

Ref. No.	Part No.	Description	No. Used
1	92–2149	Pin	2
2	92–2062	Asm–PTO Adapter (Incl. Ref.#1)	1
3	92–2061	Asm–PTO Sprocket (Incl. Ref.#1)	1
4	92–5122	Nut–Timing Belt	1
5	92–2145	Nut–HFH	1
6	92–2147	Washer	1
7	92–2001	Spring	1
8	92–2135	Bolt–HFH	1
9	92–1922	Washer	1
10	92–2000	Sprocket	1
11	92–2059	Belt–Timing	1
12	92–1977	Spring–Valve	6
13	92–1961	Seal–Valve	6
14	92–1964	Plate–Cam	1
15	92–2130	Bolt–HFH	2
16	92–1909	Nut	6

Ref. No.	Part No.	Description	No. Used
17	92–1953	Screw–Adjusting	6
18	92–1947	Arm–Rocker	6
19	92–1930	Washer–Wave	2
20	92–1972	Washer	2
21	92–2017	Bolt–Rocker Shaft	2
22	92–2018	Bolt–Rocker Shaft	2
23	92–1973	Shaft–Rocker Arm	1
24	92–2049	Asm–Camshaft (Incl. Ref.#25)	1
25	92–2010	Pin–Dowel	1
26	42–7860	Lock–Valve	12
27	92–1931	Retainer	6
28	92–1936	Seal–Valve	6
29	92–1954	Valve–Inlet	3
30	92–1968	Tensioner–Belt	1
31	92–1955	Valve–Exhaust	3
32	92–2056	Flange–PTO	1
33	92–2042	Sprocket–Oil	1

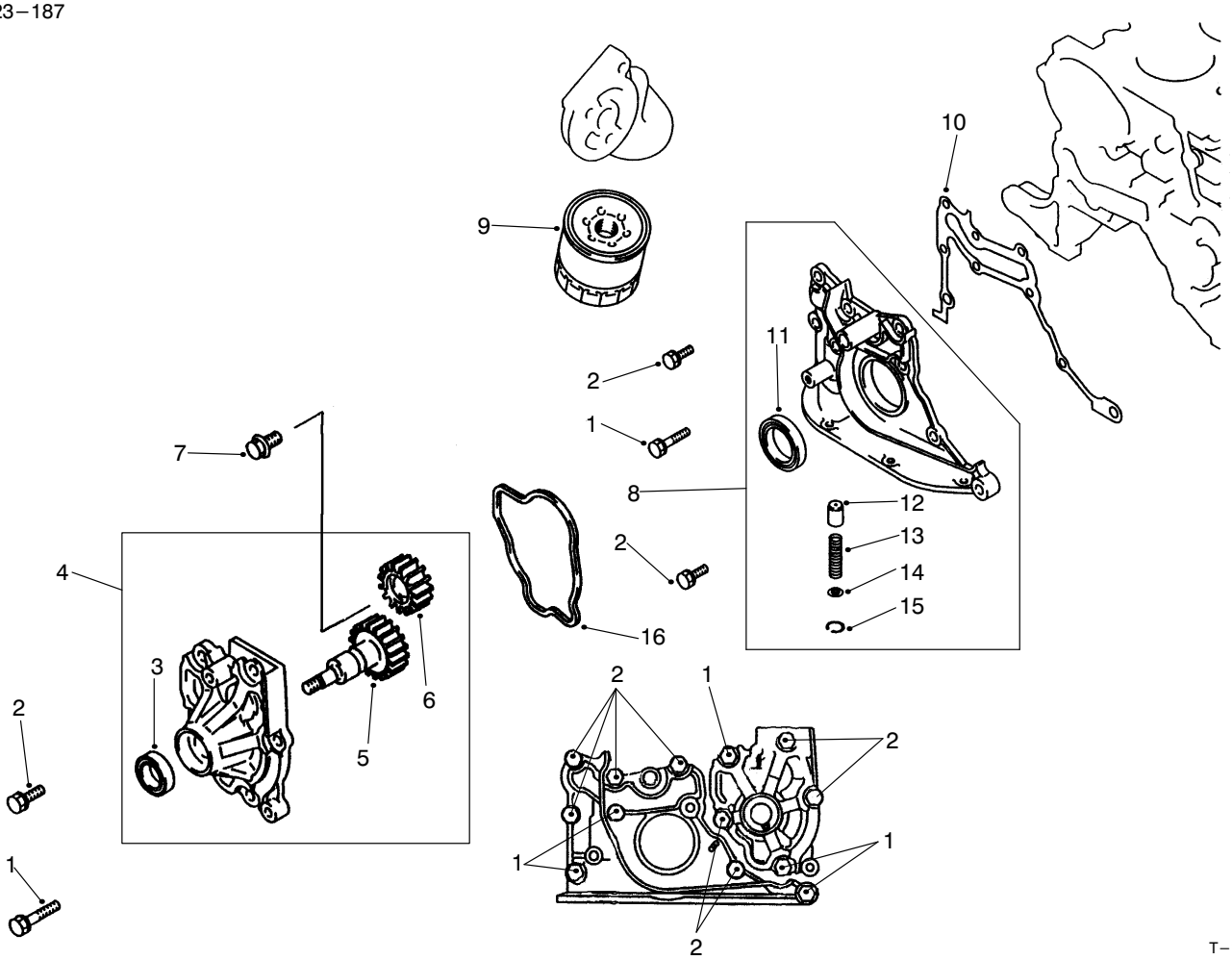


T–1635–1

BALANCER & OIL PRESSURE SWITCH & ENGINE MOUNT

Ref. No.	Part No.	Description	No. Used
1	92–1998	Shaft–Balancer	1
2	92–2022	Mount–Engine	1

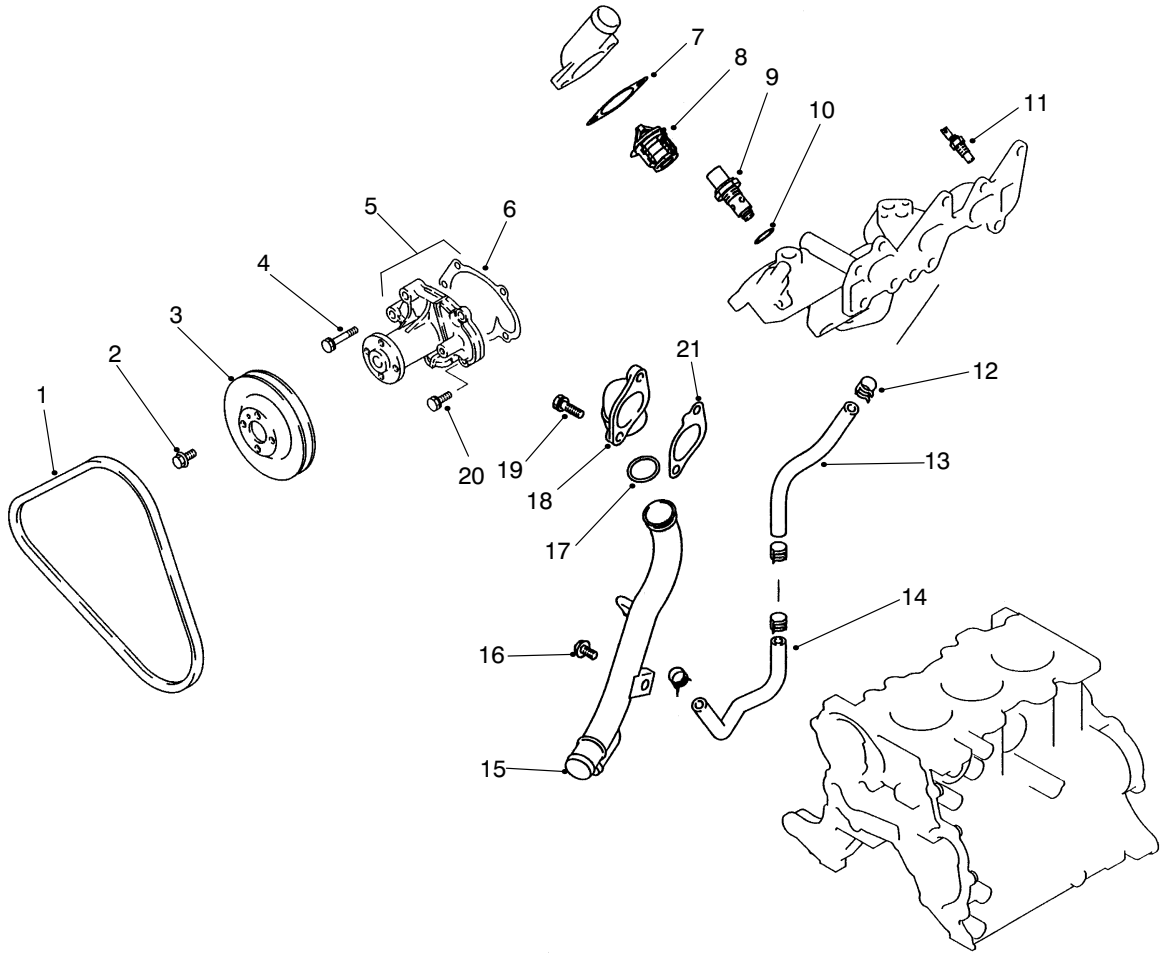
Ref. No.	Part No.	Description	No. Used
3	67–2440	Bolt–Engine Mount	3
4	92–1978	Switch–Oil Pressure	1



OIL PUMP & FILTER ASM

Ref. No.	Part No.	Description	No. Used
1	67−2560	Bolt/washer	5
2	42−9400	Bolt/washer	8
3	92−2032	Seal−Oil	1
4	92−2046	Asm−Oil Pump (Incl. Ref.#3, 5 & 6)	1
5	92−1948	Gear−Oil Pump	1
6	92−1949	Gear−Oil Pump	1
7	92−1918	Bolt−Flange Head	1
8	92−1974	Asm−Case (Incl. Ref.#11−15)	1

Ref. No.	Part No.	Description	No. Used
9	67−4330	Filter−Oil	1
10	92−1946	Gasket−Front	1
11	92−1960	Seal−Oil	1
12	92−1927	Plunger−Relief	1
13	92−1928	Spring−Relief	1
14	92−1983	Retainer	1
15	92−2150	Ring−Snap	1
16	92−1941	Gasket−Oil	1



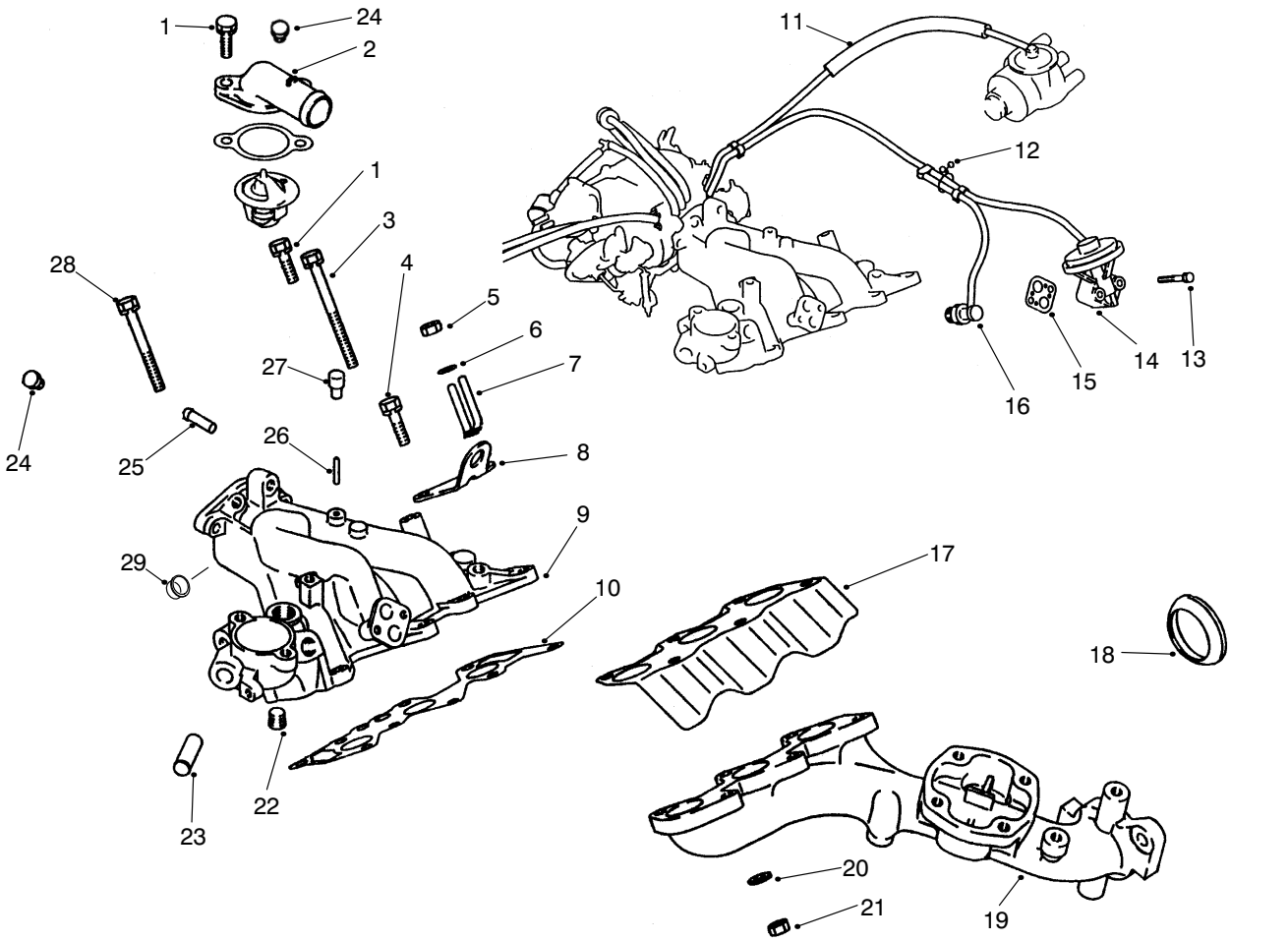
T–1639–1

WATER PUMP & THERMOSTAT ASM

Ref. No.	Part No.	Description	No. Used
1	92–2041	V–Belt	1
2	92–5112	Bolt–HFH	4
3	92–2040	Pulley	1
4	92–2142	Bolt/washer	3
5	92–2060	Asm–Water Pump (Incl. Ref.#6)	1
6	92–1989	Gasket	1
7	92–1950	Gasket	1
8	92–2039	Kit–Thermostat (Incl. Ref.#7)	1
9	92–5160	Valve–Thermostat	1
10	92–5161	Gasket	1

Ref. No.	Part No.	Description	No. Used
11	92–1933	Gauge–Water Temperature	1
12	54–1400	Clip	4
13	92–1924	Hose–Water By–Pass	1
14	92–2009	Hose–By–Pass	1
15	92–2024	Pipe–Water	1
16	92–2132	Bolt	1
17	92–1908	O–Ring	1
18	92–2008	Cover	1
19	92–2138	Bolt	2
20	42–9400	Bolt	2
21	92–2155	Gasket–Water Inlet	1

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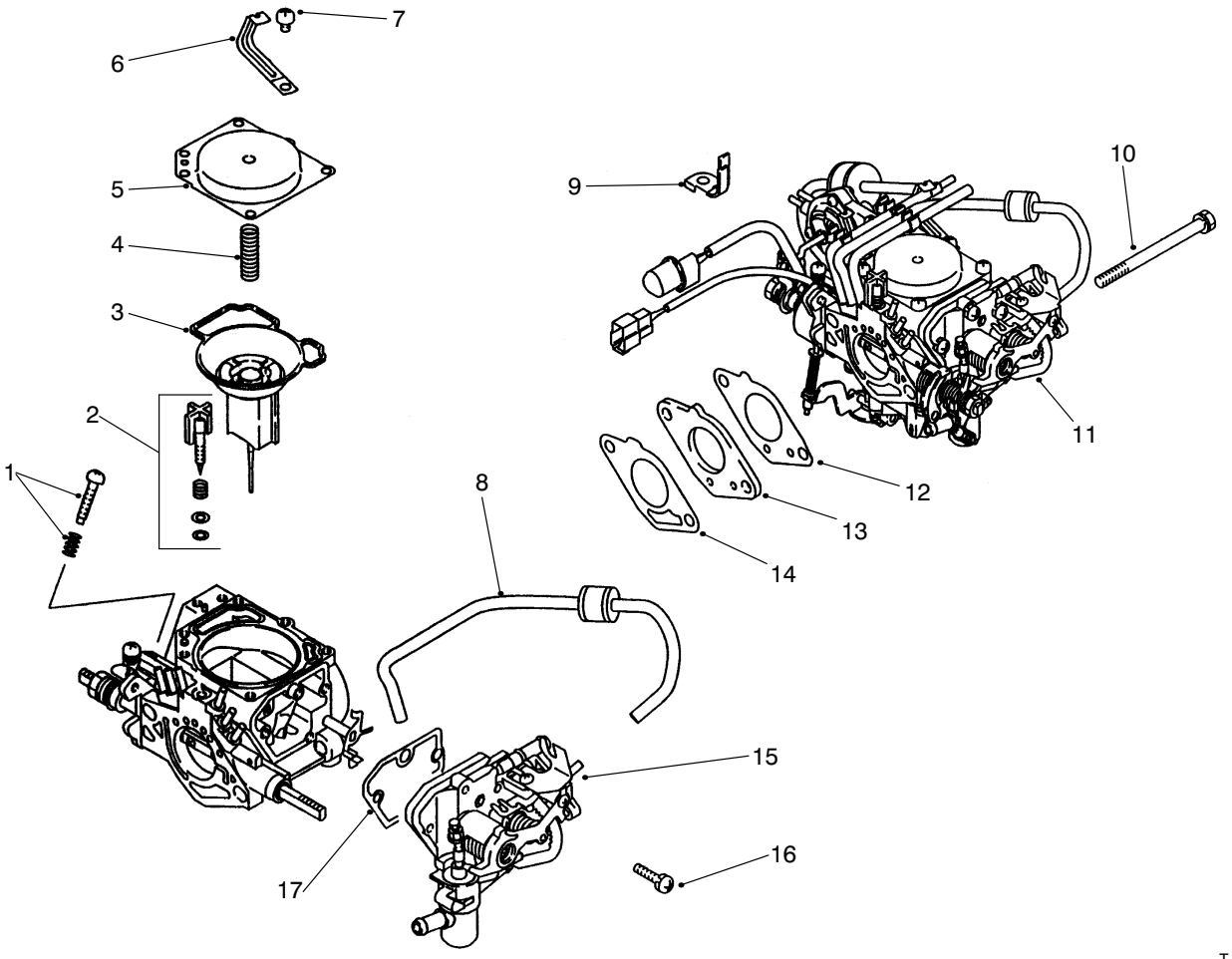


T−1640−1

EXHAUST & INTAKE MANIFOLD ASHFH

Ref. No.	Part No.	Description	No. Used
1	92−2138	Bolt	3
2	92−2157	Outlet−Water	1
3	92−2141	Bolt	2
4	92−2139	Bolt	1
5	67−4670	Nut	2
6	67−3260	Washer	2
7	92−1901	Clip	1
8	92−1963	Mount−Engine	1
9	92−2054	Manifold−Intake (Incl. Ref.#22, 23, 25 & 26)	1
10	92−1993	Gasket−Intake	1
11	92−5164	Asm−Hose	1
12	92−5165	Clip	1
13	92−5166	Bolt	2
14	94−5294	Valve−EGR	1

Ref. No.	Part No.	Description	No. Used
15	92−5163	Gasket−EGR Valve	1
16	92−1906	Asm−Valve	1
17	92−2036	Cover−Exhaust Manifold	1
18	92−2044	Gasket−Exhaust Ring	1
19	92−2023	Manifold−Exhaust	1
20	48−8030	Washer	6
21	48−7930	Nut	6
22	67−2390	Plug−Taper	1
23	92−1912	Pipe−Manifold	1
24	92−5162	Plug−Inlet	2
25	92−1917	Nipple	1
26	92−1951	Nipple	1
27	92−2002	Cap Inlet	1
28	92−2140	Bolt	1
29	92−2151	Cap−Plug	1

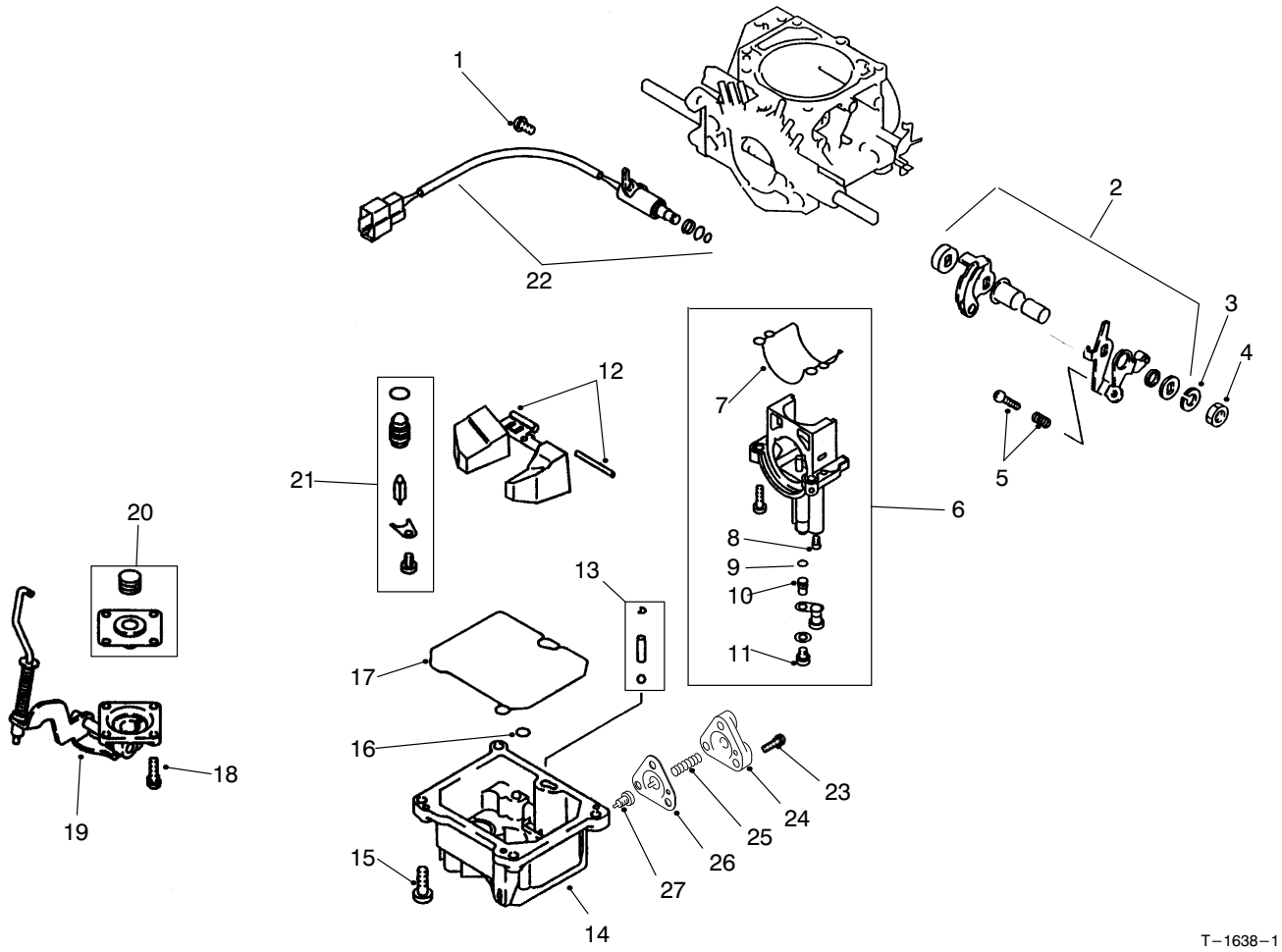


T−1637−1

CARBURETOR INSTALLATION ASM

Ref. No.	Part No.	Description	No. Used
1	92−5136	Kit−Adjusting Screw	1
†2		Kit−Mixing Screw	1
3	92−5142	Valve−Carburetor Piston	1
4	92−5137	Spring	1
5	92−5126	Cover−Carburetor Top	1
6	92−5156	Clamp−Carburetor INR	1
7	92−5145	Screw	6
8	92−5134	Orifice−Choke	1
9	92−5155	Clamp−Carburetor	1
10	92−5157	Bolt	2
11	94−5288	Carburetor	1
12	92−2038	Kit−Gasket	1
13	92−5128	Insulator−Carburetor	1
14	92−2037	Kit−Gasket	1
15	92−5124	Body−Choke, Auto	1
16	92−5149	Screw	1
17	92−5143	Gasket−Choke, Auto	1

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



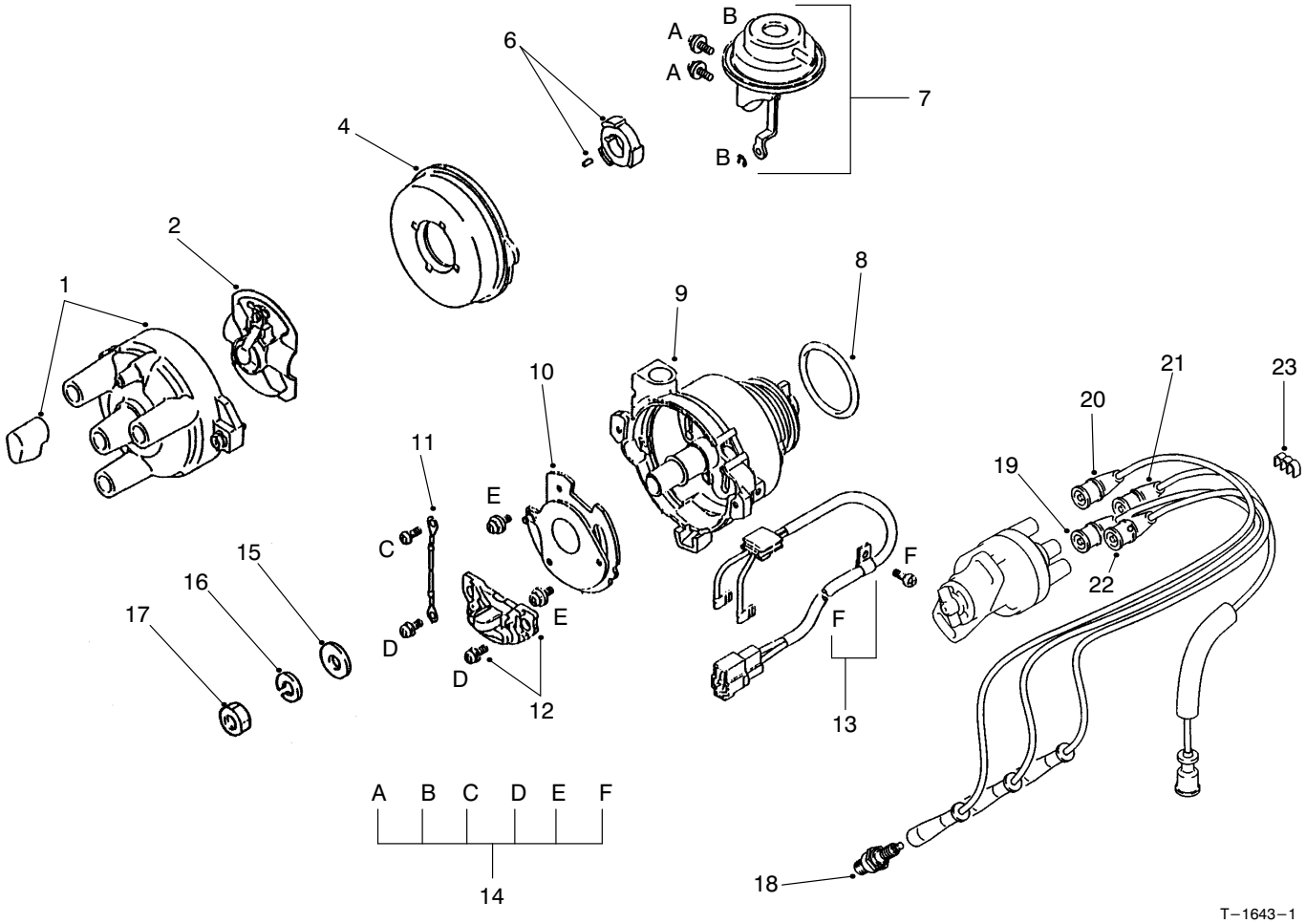
T−1638−1

CARBURETOR ASM

Ref. No.	Part No.	Description	No. Used
1	92−5148	Screw	1
2	92−5133	Kit−Lever, Throttle	1
3	67−3260	Washer	1
4	92−5154	Nut−Carburetor, INR	1
5	92−5135	Kit−Screw Adjusting, Idle	1
†6		Kit−Holder, Main Jet (Incl. Ref.#7−11)	1
†7		O−Ring	1
†8		Jet−Pilot	1
†9		O−Ring	1
†10		Jet−Main	1
†11		Jet−Power	1
12	92−5127	Kit−Float & Pin	1
13	92−5125	Kit−Check Valve	1

Ref. No.	Part No.	Description	No. Used
14	94−5293	Asm−Float Chamber Cover (Incl. Ref. #23−27)	1
15	92−5147	Screw	4
16	92−5151	O−Ring	1
17	92−5153	O−Ring	1
18	92−5146	Screw	4
19	92−2110	Cover−Acc. Pump	1
20	92−2154	Kit−Diaphragm	1
21	92−5140	Kit−Needle Valve	1
22	92−5141	Valve−Fuel Cut−Off	1
23		Screw	1
24		Cover−Diaphragm	1
25		Spring−Diaphragm	1
26		Diaphragm−Power Beyond	1
27		Jet−Power Beyond	1

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



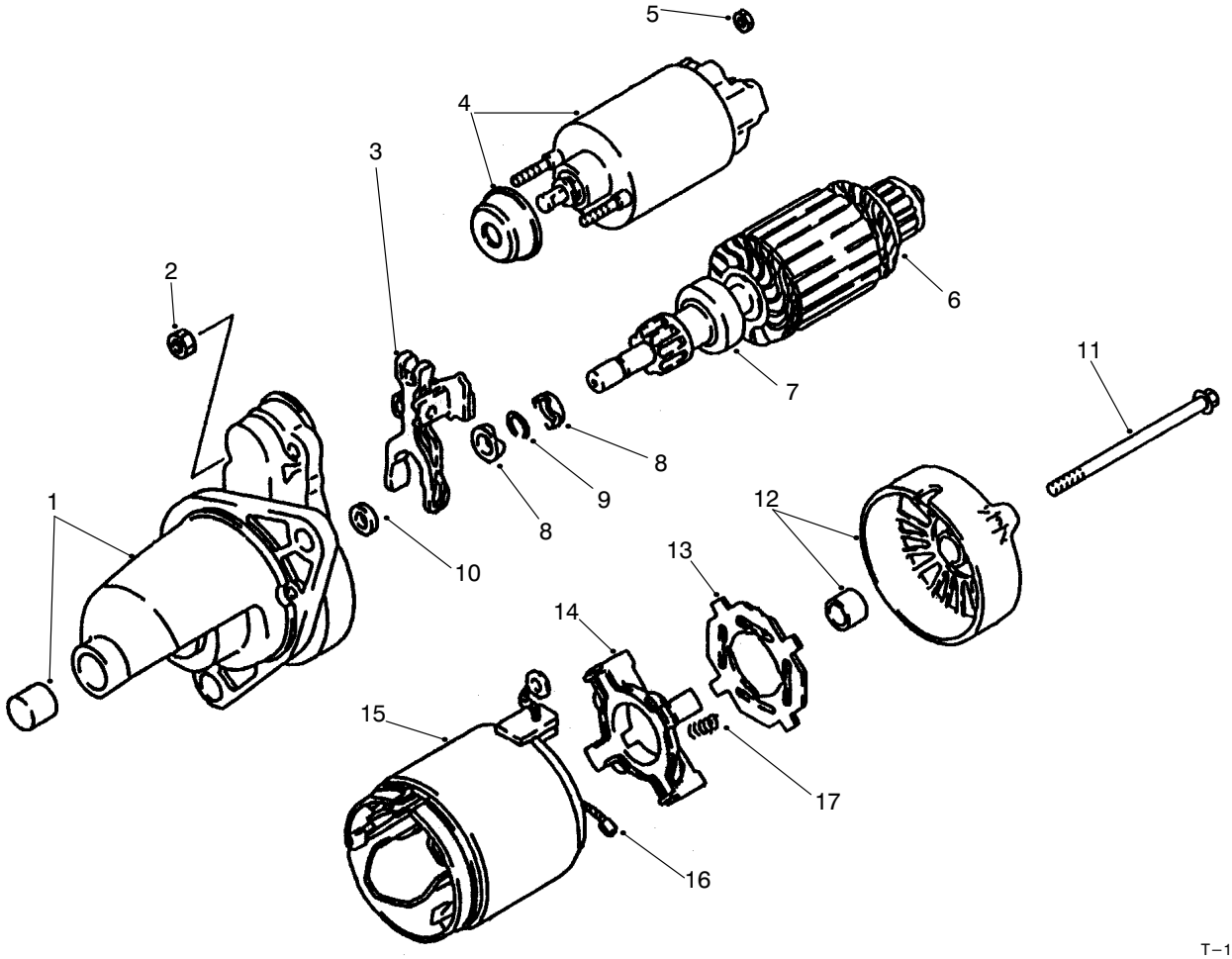
T−1643−1

DISTRIBUTOR ASM

Ref. No.	Part No.	Description	No. Used
1	92−2114	Asm−Cap	1
2	92−2113	Rotor	1
4	98−2953	Cover	1
6	92−2116	Asm−Signal Rotor	1
7	92−2117	Chamber−Vacuum	1
8	92−2109	O−Ring	1
9	92−2122	Housing	1
10	92−2118	Plate	1
11	92−2119	Wire−Lead	1
12	92−2108	Igniter Set	1
13	92−2121	Asm−Wire, Lead	1
14	92−2115	Screw Set	1
15	92−2146	Washer	1

Ref. No.	Part No.	Description	No. Used
16	67−3260	Washer	1
17	67−4670	Nut	1
18	92−2153	Plug−Spark (NGK BPR4ES)	3
19	94−5233	Wire−Spark Plug, #2	1
20	94−5232	Wire−Spark Plug, #1	1
21	92−2028	Wire−High Tension	1
22	94−5234	Wire−Spark Plug, #3	1
23	92−5172	Clamp	1
*	92−2043	Asm−Distributor (Incl. Ref.#1−14)	1
*	92−2125	Asm−Spark Plug Wire Set (Incl. Ref.#19−22)	1

*Not Illustrated



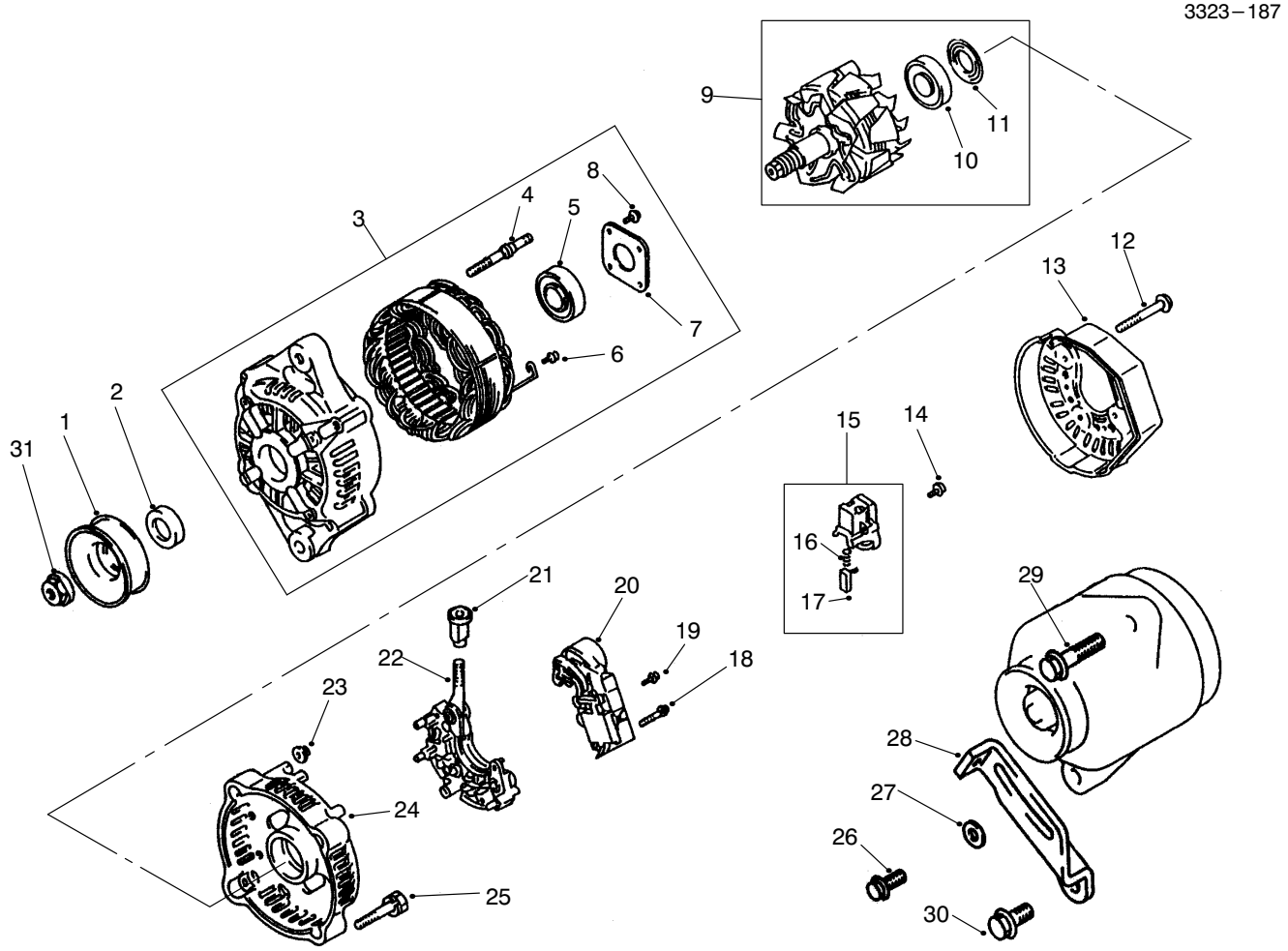
T−1641−1

STARTER ASM

Ref. No.	Part No.	Description	No. Used
1	92−5167	Bracket−Front	1
2	92−2106	Nut	2
3	92−2102	Lever−Clutch	1
4	92−2095	Kit−Switch	1
5	92−2107	Nut	1
6	92−2093	Armature	1
7	92−2094	Clutch	1
8	92−2097	Nut	2
9	92−2096	Ring−Snap	1
10	92−2098	Washer	1

Ref. No.	Part No.	Description	No. Used
11	92−2099	Bolt	2
12	92−5168	Bracket−Rear	1
13	92−2092	Insulator	1
14	92−2091	Asm−Holder	1
15	92−2088	Yoke (Incl. Ref.#16)	1
16	92−2089	Brush	4
17	92−2090	Spring	4
*	92−2055	Asm−Starter (Incl. Ref.#1−17)	1

*Not Illustrated



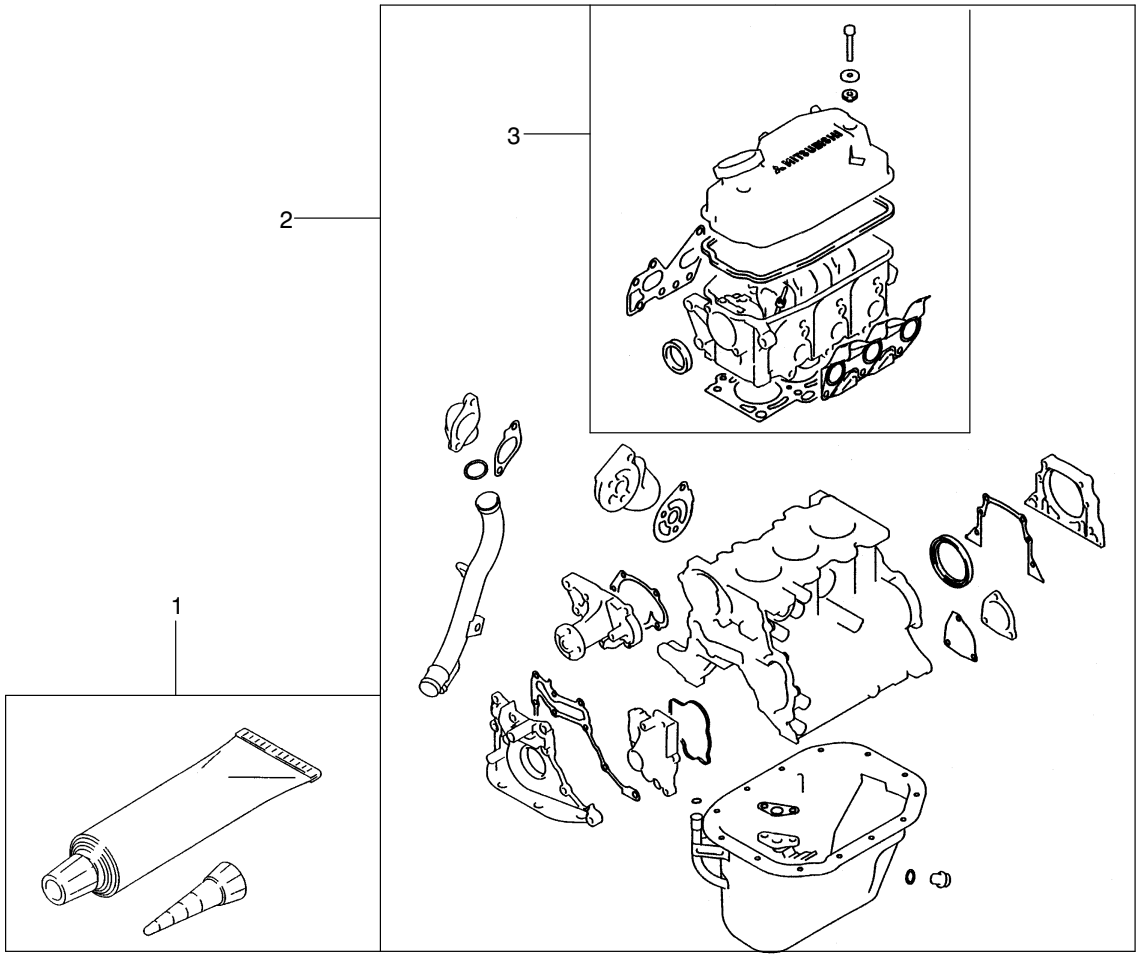
T−1642−1

ALTERNATOR ASM

Ref. No.	Part No.	Description	No. Used
1	92−5169	Pulley	1
2	92−2079	Collar	1
3	92−2103	Asm−Bracket, Front (Incl. Ref.#4−8)	1
4	92−2078	Bolt	2
5	92−2065	Bearing	1
6	92−2085	Screw W/washer	6
7	92−2076	Plate	1
8	92−2077	Screw	4
9	92−2075	Asm−Rotor (Incl. Ref.#10−11)	1
10	92−2070	Bearing	1
11	92−2069	Cover−Bearing	1
12	92−2087	Bolt W/washer	3
13	92−2081	Cover−End	1
14	92−2085	Screw W/washer	6
15	92−2073	Asm−Holder (Incl. Ref.#16−17)	1

Ref. No.	Part No.	Description	No. Used
16	92−2067	Spring−Brush	2
17	92−2068	Brush	2
18	92−2071	Screw	2
19	92−2086	Screw W/washer	1
20	92−2084	Regulator	1
21	92−2083	Bushing	1
22	92−2082	Rectifier	1
23	92−2066	Nut	2
24	92−2080	Frame−End	1
25	92−2100	Bolt	2
26	92−2133	Bolt−HFH	1
27	92−1984	Washer	1
28	92−2011	Brace	1
29	92−1932	Bolt	1
30	92−2134	Bolt−HFH	1
31	92−2156	Nut−Alternator	1
*	92−2025	Asm−Alternator (Incl. Ref.#1−25 & 31)	1

*Not Illustrated



T−1629−1

GASKET KIT

Ref. No.	Part No.	Description	No. Used
1	92−5100	Gasket−Liquid	1
2	92−2127	Kit−Overhaul Gasket	1

Ref. No.	Part No.	Description	No. Used
3	92−2126	Kit−Gasket, Upper	1

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 3220 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 3220, 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 3220.
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								