Form No. 3323–632

Reelmaster® 6500D 2WD/4WD

Traction Unit

Model No. 03803—200000001 and Up

Model No. 03804—200000001 and Up

Parts Catalog

Ordering Replacement Parts

To order replacement parts, please supply: the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form **a:b.** The **a** represents the reference number of the entire service assembly and the **b** represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number **6**, the tire by **6:1**, the valve by **6:2**, and the wheel by **6:3**. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually.

Reference numbers of this type appear in illustrations and in part lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form **nX y.** The **n** represents the quantity of the part, the **X** is the multiplication symbol, and the **y** represents the reference number.

For example, in an illustration, the reference number **2X 37** means that two of the parts identified by reference number 37 are indicated.

© The TORO Company — 1999
All Rights Reserved

Contents

Description	Page
Frame and Body Assembly	4
End Weight Assembly	6
Steering Tower Assembly	7
Traction and Brake Pedal Assembly	9
Seat Frame Assembly	10
Throttle Assembly	11
Seat Suspension Assembly	12
Control Console Assembly	13
Hydraulic Filter and Reservoir Assembly	15
Fuel Tank and Filter Assembly	16
Fuel Filter Assembly # 76–5300	17
Front Hydraulic Drive and Brake Assembly	18
Planetary Drive Assembly # 92–7415–03	20
LH – Brake Assembly	21
RH – Hydraulic Motor Assembly # 92–7385	22
RH – Brake Assembly	23
LH – Hydraulic Motor Assembly # 93–7476	24
Hydraulic Pump Installation Assembly	25
Gear Pump Assembly # 93–2175	26
Servo Controlled Piston Pump Asm # 98–3730	28
Manual Servo Control # 94–3019	30
Radiator and Shroud Assembly	31
Engine Installation Assembly	33
Engine Components Assembly	34
Air Cleaner Assembly # 93–7485	35
4WD – Rear Axle Assembly (Model # 03804)	36
Hydraulic Motor Assembly # 92–7386	39
2WD – Rear Axle Assembly (Model # 03803)	40
Hydraulic Cylinder Assembly # 94–8142	43
Rear Hydraulic Control Block and Tube Asm	44
Rear Manifold Block Assembly # 100–3797	46
Front Lift Arm Assembly	47
Hydraulic Cylinder Assembly # 99–6986	49
Hydraulic Cylinder Assembly # 93–2650	50
Rear Lift Arm Assembly	51

Description	Page
Hydraulic Cylinder Assembly # 99–2550	52
Front Hydraulic Control Block and Hose Asm	53
Front Manifold Block Assembly # 100–3800	54
Reel Motor and Hose Assembly	55
Reel Motor Assembly # 98–9999	56
Roll Over Protection System (ROPS)	57
Rear Axle Assembly No. 100–3784 Bevel Pinion Shaft Assembly	58
Differential Assembly	59
Axle Support Assembly	60
Bevel Gear Case Assembly	61
Bevel Gear Shaft Assembly	62
Axle Case Assembly	63
Axle Assembly	64
Crankcase Assembly	65
Crankshaft Assembly	66
Cylinder Head Assembly	67
Camshaft and Fan Support Assembly	71
Timing Cover Assembly	72
Intake and Exhaust Manifold Assembly	73
Oil Pump Assembly	74
Collector Assembly	75
Water Pump Assembly	76
Fuel Injection Pump Assembly	77
Fuel Injector Assembly	78
Alternator Assembly	79
Starter Assembly	80
Glow Plug and Glow Relay	81
Fuel Filter Assembly # 76–5300	82
Degassing Box Assembly	83
Hydraulic Schematic (Model 03803)	84
Hydraulic Schematic (Model 03804)	85
Electrical Schematic	86
Diagnostic ACE Display Assembly	87
Gauge Bar and Backlapping Brush Assembly	88

Accessories

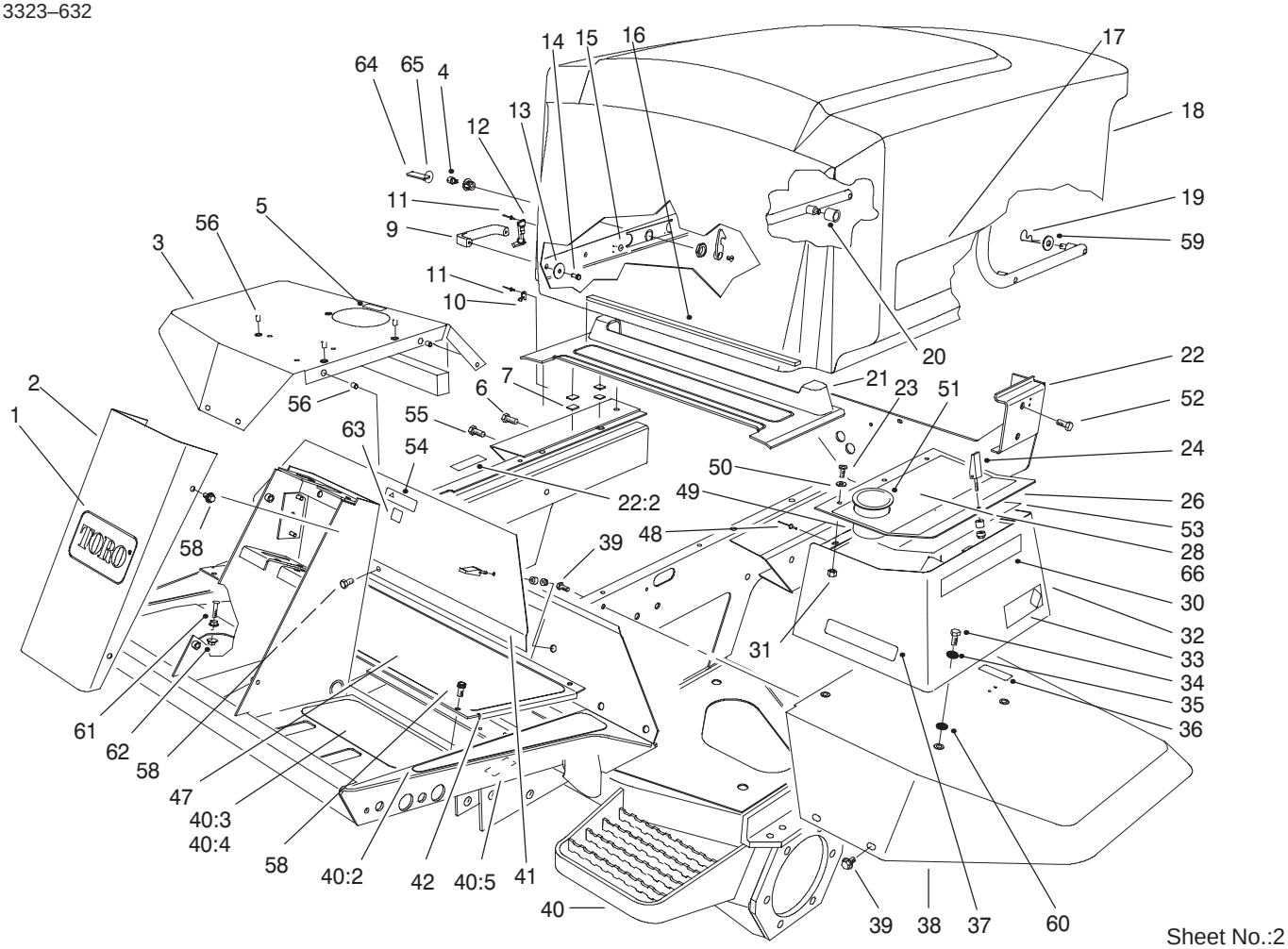
Description	Model / Part No.
5 Blade Cutting Unit	03857
7 Blade Cutting Unit	03858
11 Blade Cutting Unit	03859
Dethatching Cutting Unit	03871
Rear Weight Kit	94–2836
Rear Roller Scraper Kit	98–7996
Front Roller Scraper Kit	95–7737
High Height of Cut Kit	03880

Description	Model / Part No.
Arm Rest Kit	30707
Grass Basket Kit	03882
ROPS Accessories Kit (Comes with 4WD Model 03804)	92–7571
Accessory Kit	99–8957
Japanese, Decal Kit	94–2831
Electronic Leak Detector Kit	03521

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning
AR	as required
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
HH	hex head
HHF	hex head flange
HLH	hex lag head
HJ	hex jam
HOC	height-of-cut
HS	hex socket
HSBH	hex socket button head
HSFH	hex socket flat head
HSH	hex socket head
HWH	hex washer head
HWHTF	hex washer head thread forming
INC	incorporated
LH	left hand
NI	nylon insert
PPH	Phillips pan head
PTH	Phillips truss head
PTO	power take off
RH	right hand
SFH	slotted fillister head
SHH	slotted hex head
SQH	square head
SHWH	slotted hex washer head
SPH	slotted pan head
SRH	slotted round head
STD	standard
TAP	self tapping
TTH	Torx truss head
WH	wing head

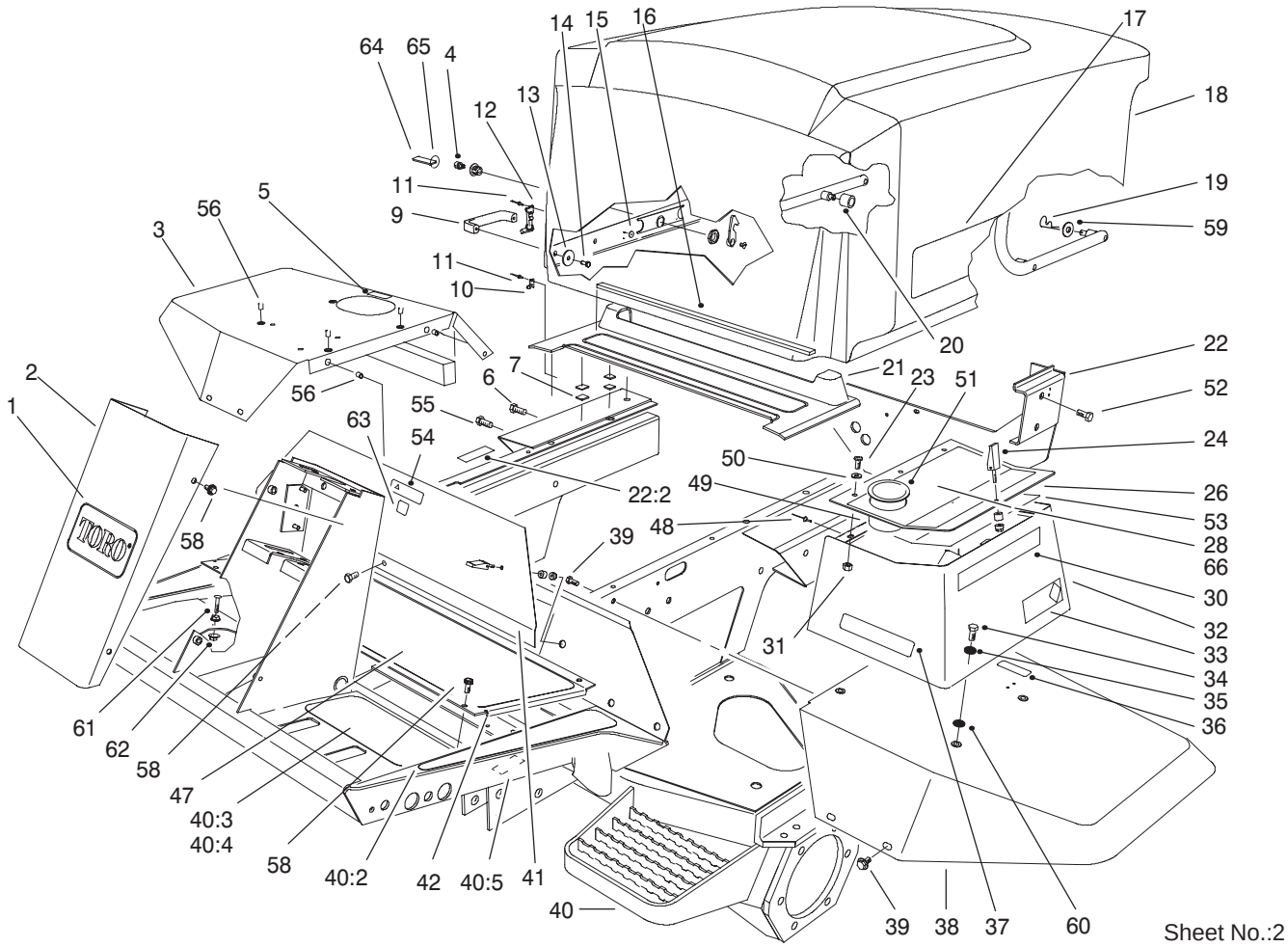


Sheet No.:2

Frame and Body Assembly

Ref. No.	Part No.	Qty.	Description
1	62–5550	1	Decal
2	93–7996–01	1	Cover–Tower
3	94–3049–01	1	Fender,RH
4	98–5398	1	Latch
5	93–6686	1	Decal–Oil, Hydraulic
6	33106–035	8	Screw–HHF
7	93–9155	2	Velcro
9	65–5100	1	Handle–Door
10	249–40	1	Keeper
11	3269–8	4	Rivet, 1/8” Dia
12	59–9740	1	Flex Draw Latch ASM
13	3256–78	2	Washer–Flat
14	46–8091	2	Special–HWH
15	3269–10	2	Washer–Back
16	92–7633	1	Bumper– Hood
17	92–7532	2	Decal–6500D
18	99–8952	1	Hood
19	3290–467	2	Pin–Hair
20	93–7582	1	Hose
21	94–2617	1	Pump Cover ASM
22	100–3825	1	Rear Frame ASM
22:2	93–1265	1	Decal–Hot Surface
23	3258–166	3	Screw
24	74–5950	3	Latch–Swell
26	93–9180–03	1	Cover–Tool Box
28	93–1262	1	Decal–Hillside

Ref. No.	Part No.	Qty.	Description
30	72–3560	1	Decal (Only On: 03804)
31	32128–33	3	Nut–HHF
32	75–5810–03	1	Box–Tool
33	93–0096	2	Decal–Ace
34	322–3	4	Screw–HH
35	3256–3	4	Washer–Flat
36	93–6680	1	Decal – Diesel Only
37	93–6689	1	Decal – No Riders
38	75–3860	1	Fender–LH
39	3234–14	10	Screw–HHF
40	100–3805	1	Front Frame ASM
40:2	93–7592	2	Tread Foot Rest – LH
40:3	75–0620	1	Tread–Foot, LH
40:4	75–0610	1	Tread–Foot, RH
40:5	93–6693	1	Decal–Plate, Floor
41	75–1390–01	1	Cover–Access, Front
42	75–1410–01	1	Plate–Access, Floor
47	75–0630	1	Tread–Foot, Center
48	93–8744	3	Pop – Rivet
49	75–5780	1	Hinge–Steel
50	3256–1	3	Washer–Flat
51	94–1410	1	Holder–Beverage, Can
52	33108–035	6	Screw
53	100–3738	1	Decal – Quick Reference

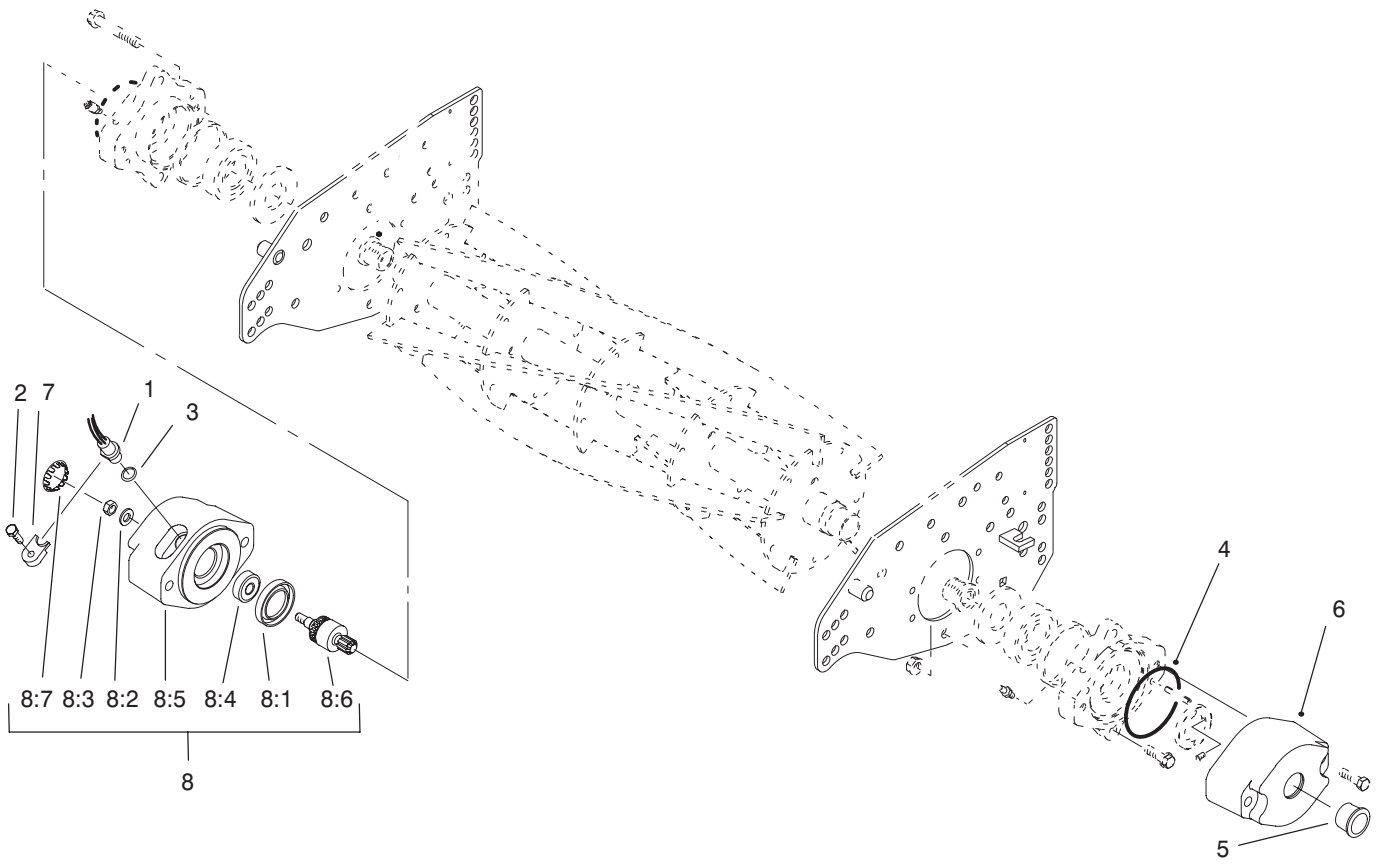


Sheet No.:2

Frame and Body Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
54	93–9425	1	Decal – Danger
55	3234–18	2	Capscrew
56	32148–7	5	Nut–Insert
58	3234–7	9	Screw–HHF
59	66–6480	2	Washer
60	52–2900	4	Washer
61	17–9420	1	Screw – Handle
62	32128–20	2	Nut–HF
63	93–7252	1	Decal–International
64	99–8970	1	Latch – Key, Hood
65	98–9321	1	Ring–Key
66	95–0832	1	Decal – Service

Ref. No.	Part No.	Qty.	Description

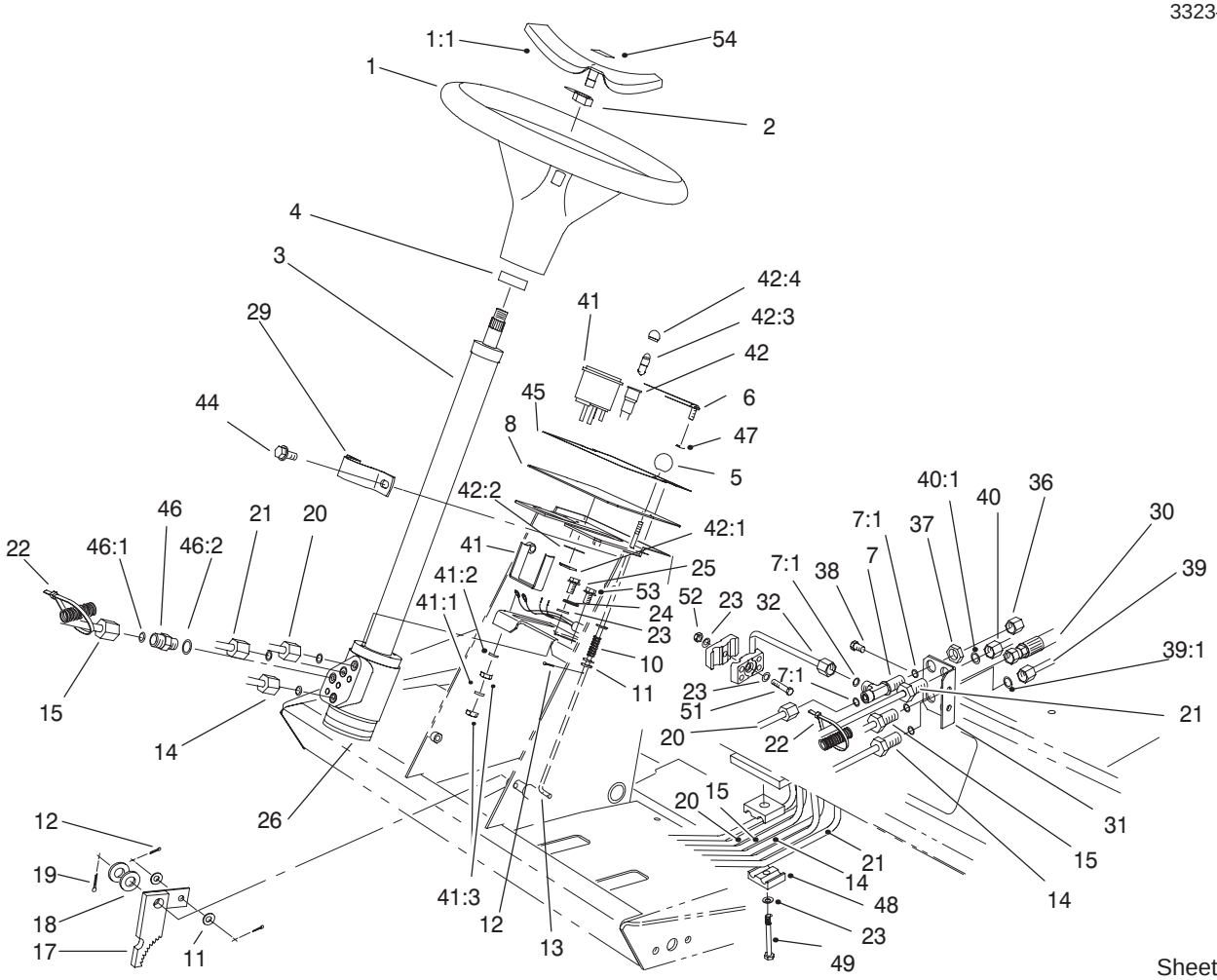


Sheet No.:C4

End Weight Assembly

Ref. No.	Part No.	Qty.	Description
1	95–7156	2	Sensor – Speed
2	33103–020	2	Screw–HHF
3	237–30	2	O–Ring
4	93–9783	10	O–Ring
5	93–8717	3	Plug–Pipe
6	94–4347–03	3	Weight–End
7	93–3088	2	Sensor Clamp
8	93–3076	2	End Weight ASM
8:1	253–165	1	Oil Seal
8:2	3256–23	1	Washer–Flat
8:3	33024–00	1	Nut–Lock, NI
8:4	93–2956	1	Bearing – Ball
8:5	93–3080–03	1	Housing–End Cap
8:6	93–3085	1	Magnet Shaft ASM
8:7	93–3094	1	Plug – Cap

Ref. No.	Part No.	Qty.	Description

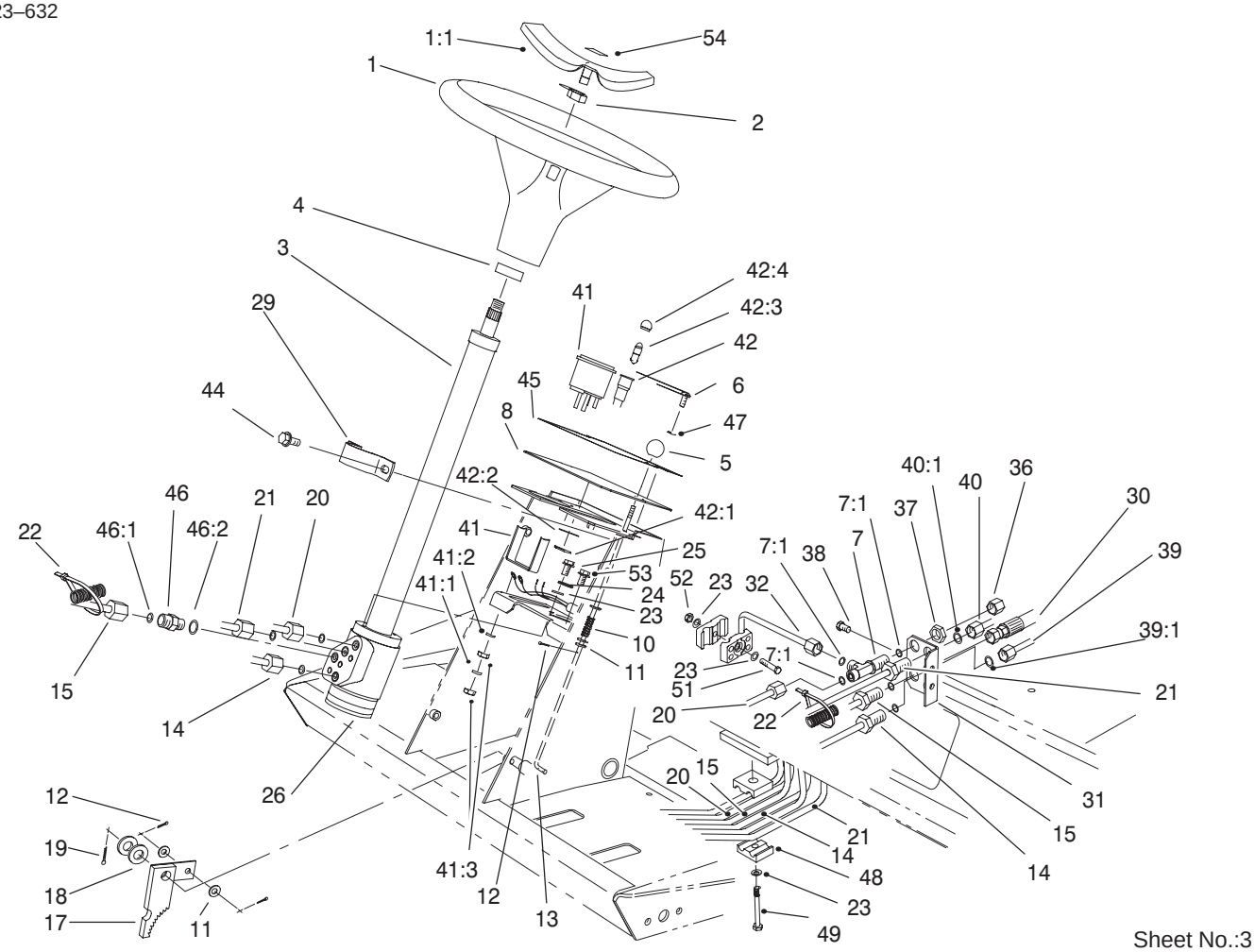


Sheet No.:3

Steering Tower Assembly

Ref. No.	Part No.	Qty.	Description
1	98–1471	1	Wheel – Steering 14”
1:1	98–1468	1	Cover – Wheel, Steering
2	94–9952	1	Nut – Hex
3	94–9951	1	Column – Steering
4	21–9260	1	Cover–Dust
5	233–17	1	Knob
6	87–6620	2	Screw–Special
7	340–68	1	Fitting–Tee, Bulkhead
7:1	237–22	3	O–Ring
8	93–7998–03	1	Plate – Instrument
10	95–1821–03	1	Spring – Compression
11	3256–22	5	Washer–Flat
12	3272–5	3	Pin–Cotter
13	75–1490	1	Rod–Brake, Parking
14	94–3059	1	Hyd Tube ASM
15	94–3061	1	Hyd Tube ASM
17	63–7900–03	1	Rack
18	3256–26	2	Washer–Flat
19	3272–10	1	Pin–Cotter
20	94–3062	1	Hyd Tube ASM
21	94–3060	1	Hyd Tube ASM
22	3290–378	4	Tie–Cable
23	3256–23	6	Washer–Flat
24	3255–8	1	Washer–Lock/Ext
25	33103–025	1	Screw–HHF

Ref. No.	Part No.	Qty.	Description
26	100–3790	1	Control–Steering
29	75–2810	1	Bracket–Column, Steering
30	92–7622	1	Hose ASM
31	92–7606–03	1	Bracket – Bulkhead
32	94–1447	1	Steering Return Tube ASM
36	340–117	1	Cap
37	340–70	4	Locknut–Bulkhead
38	32144–11	2	Screw–Tap
39	92–7494	1	Rear Stearing Tube ASM
39:1	237–22	1	O–Ring
40	92–7495	1	Steering Tube ASM
40:1	237–22	1	O–Ring
41	93–4213	1	Speedometer
41:1	3253–2	9	Washer–Lock/Sp
41:2	3256–14	2	Washer–Flat
41:3	3219–14	3	Nut–Hex
42	44–2210	1	Light–Indicator, Red
42:1	218–535	1	Nut–Hex
42:2	218–536	1	Washer–Lock
42:3	93–7480	1	Led–Miniature Bayonet
42:4	218–533	1	Lens

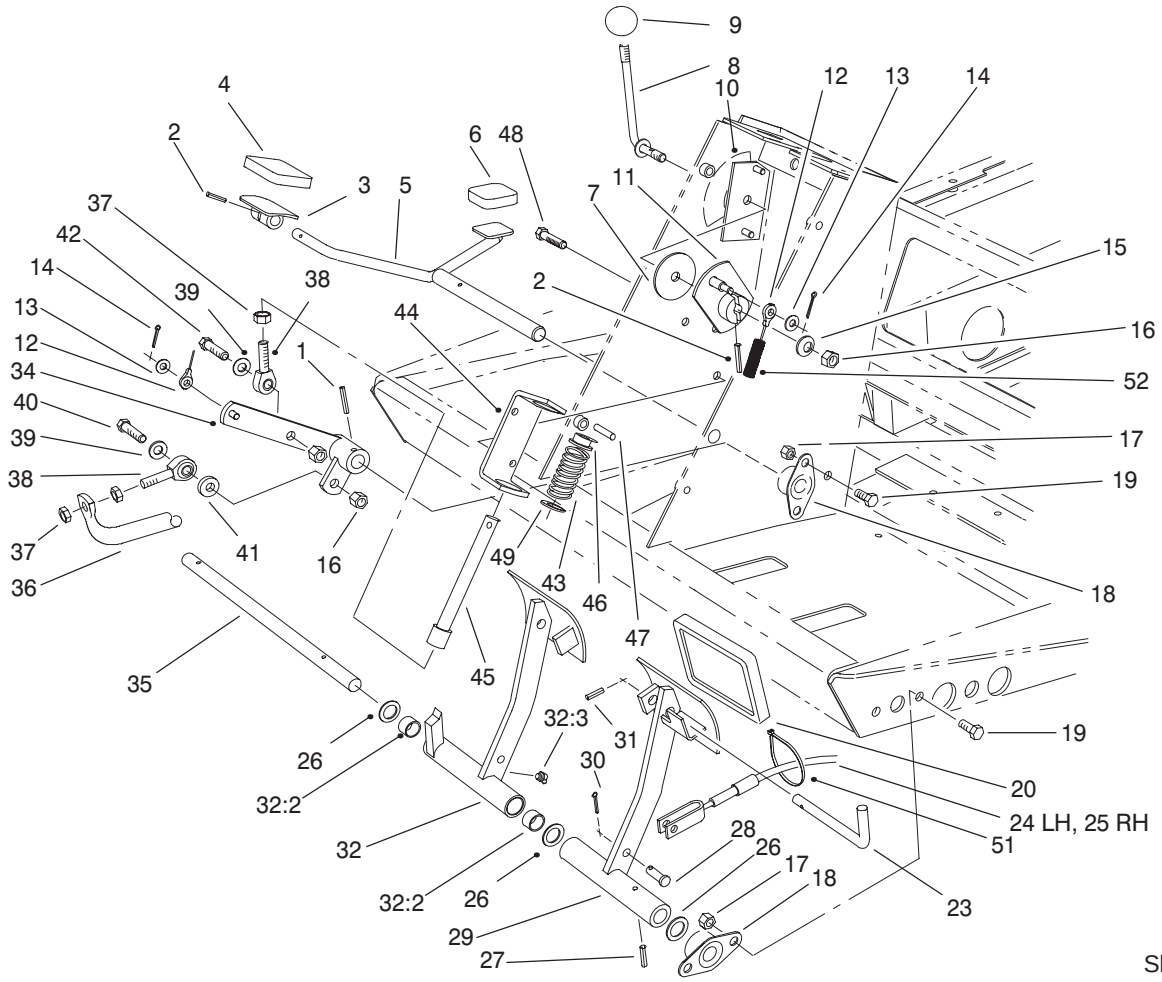


Sheet No.:3

Steering Tower Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
43	93–7480	1	Led–Miniature Bayonet
44	3234–7	2	Screw–HHF
45	93–1263	1	Decal–Tower
46	340–2	4	Adapter
46:1	237–22	1	O–Ring
46:2	237–42	1	O–Ring
47	3256–1	2	Washer–Flat
48	56–7973	6	Clamp–Tube
49	322–6	3	Screw–HH
50	56–7972	2	Tube Clamp
51	322–7	1	Screw–HH
52	3296–47	1	Nut–Lock, NI
53	33103–020	2	Screw–HHF
54	98–1459	1	Decal–Toro

Ref. No.	Part No.	Qty.	Description

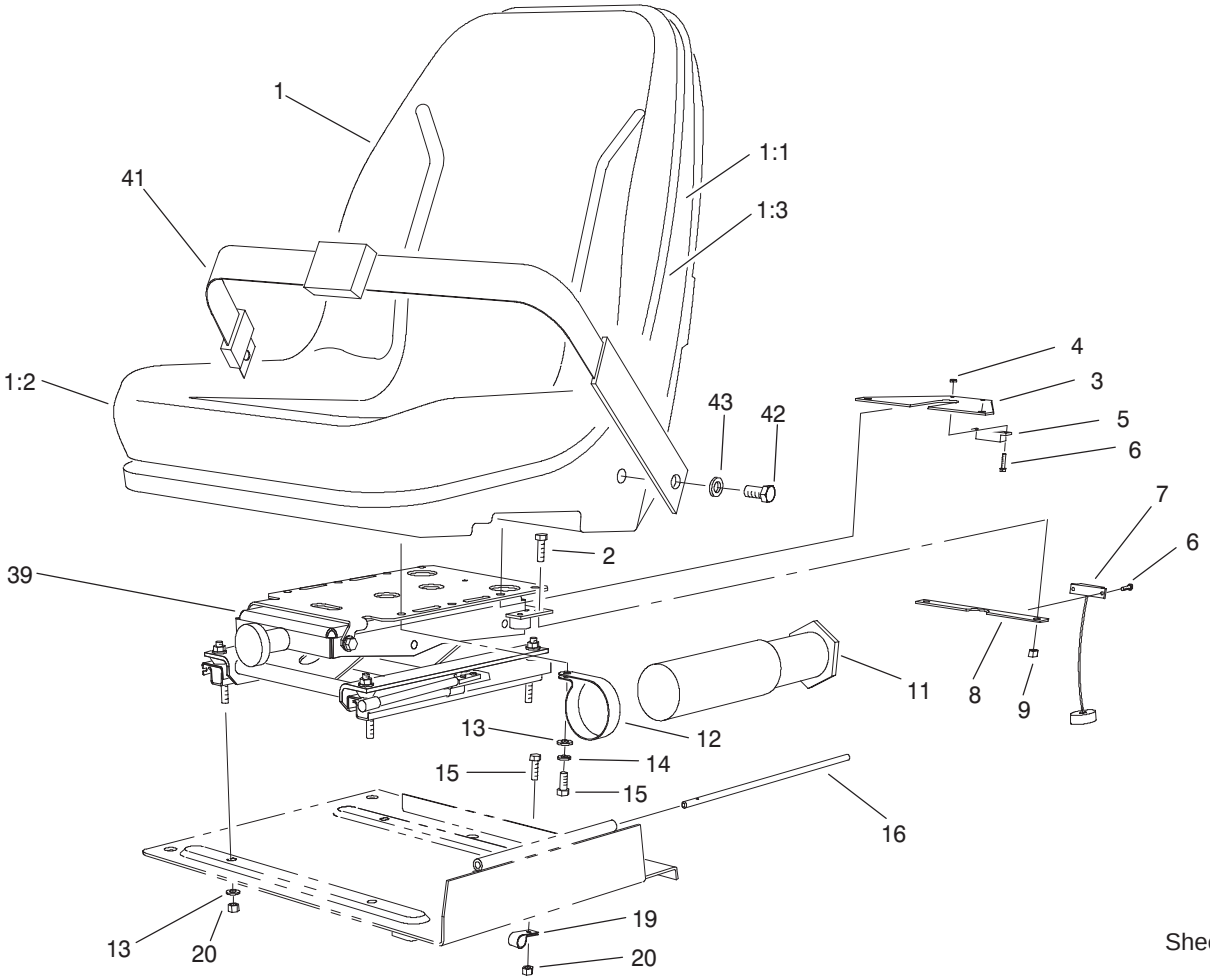


Sheet No.:4

Traction and Brake Pedal Assembly

Ref. No.	Part No.	Qty.	Description
1	32121–6	1	Pin–Roll
2	32121–45	2	Pin–Spring
3	49–6440–03	1	Pedal–Forward
4	74–9100	1	Pad–Pedal, Forward
5	75–2970	1	Pedal–Traction
6	74–9110	1	Pad–Pedal, Reverse
7	75–6550	1	Disc–Friction
8	75–6490	1	Lever
9	233–42	1	Knob
10	93–6699	1	Decal – Fast/Slow
11	75–6510	1	Bracket–Lever
12	75–6580	1	Cable – Pedal
13	3256–22	2	Washer–Flat
14	3272–2	2	Pin–Cotter
15	3290–461	1	Washer–Spring
16	3296–39	3	Nut–Lock, NI
17	32128–20	8	Nut–HF
18	256–236	4	Bearing–Mount, Flange
19	322–3	8	Screw–HH
20	93–8742	2	Footpad – Brake
23	63–7880	1	Pin–Latch, Brake
24	92–7530	1	LH Brake Cable ASM
25	92–7529	1	RH Brake Cable ASM
26	3256–69	3	Washer–Flat
27	32121–16	1	Pin–Spring

Ref. No.	Part No.	Qty.	Description
28	283–58	2	Pin–Clevis
29	75–1440–03	1	Pedal–Brake, LH
30	3272–10	2	Pin–Cotter
31	32121–50	1	Pin–Spring
32	75–1430	1	Pedal–Brake, RH
32:2	256–42	2	Bushing
32:3	302–5	1	Fitting–Lube
34	75–3270–03	1	Hub–Pivot, Traction
35	75–1470	1	Pin–Pivot, Brake
36	92–7531–03	1	Tube – Pump Control
37	3220–3	3	Nut–Jam
38	2411–36	2	Bearing–End, Rod
39	3256–24	2	Washer–Flat
40	323–9	1	Screw–HH
41	5–0652	1	Washer
42	323–29	1	Screw–HH
43	60–5700	1	Spring
44	92–7608–03	1	Bracket–Spring
45	92–7609	1	Shaft – Spring
46	92–7610	1	Retainer – Spring
47	32121–11	1	Pin–Roll
48	32144–14	2	Screw–HWH
49	3256–5	1	Washer–Flat
51	3290–378	1	Tie–Cable
52	95–7151	1	Tube–Convoluted

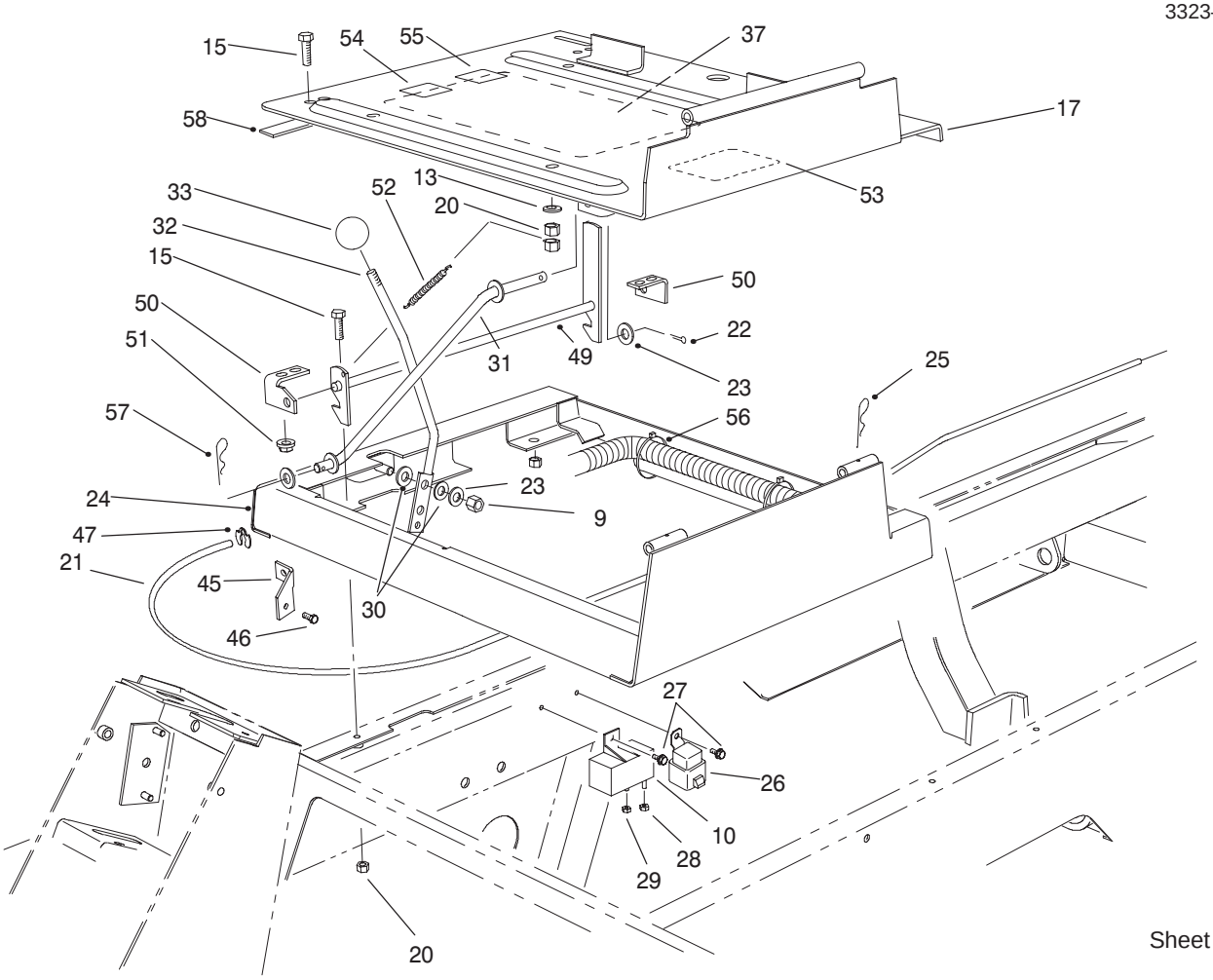


Sheet No.:5
T–3484

Seat Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	92–1180	1	Seat–Olympic
1:1	92–6534	1	Shell
1:2	92–6533	1	Kit–Cushion, Seat
1:3	351–78	1	Edging
2	323–4	2	Screw–HH
3	75–4370–03	1	Bracket–Seat
4	3296–54	4	Nut–Lock NI
5	92–8753	1	Magnet–Switch, Reed
6	3250–29	4	Screw–PPH
7	92–8001	1	Sensor–Switch, Reed
8	75–4360–03	1	Bracket–Suspension, Seat
9	3296–39	3	Nut–Lock, NI
10	76–5260	1	Relay–Glow Plug
11	74–0720	1	Tube–Manual
12	2412–133	2	R–Clamp
13	3256–23	8	Washer–Flat
14	3253–4	4	Washer
15	322–3	12	Screw–HH
16	75–3400	1	Shaft–Pivot, Seat
19	2412–93	1	R–Clamp
20	3296–29	10	Nut–Lock, NI
39	75–3000	1	Suspension–Seat
41	21–4191	1	Seat Belt ASM (Only On: 03804)

Ref. No.	Part No.	Qty.	Description
42	3212–4	2	Screw–HH (Only On: 03804)
43	3253–6	2	Washer–Lock/Sp (Only On: 03804)

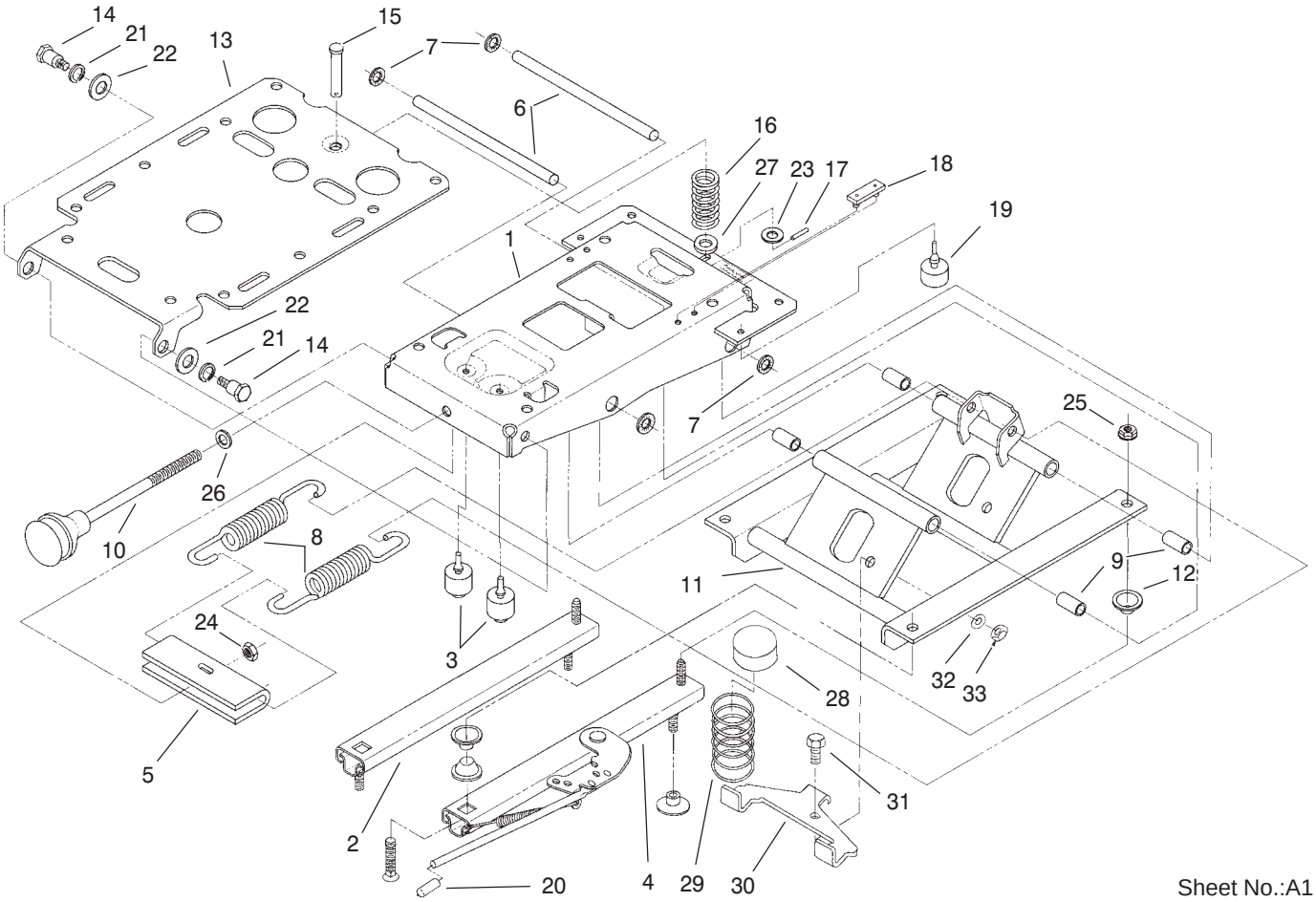


Sheet No.:A
T–3485

Throttle Assembly

Ref. No.	Part No.	Qty.	Description
9	3296–39	3	Nut–Lock, NI
10	76–5260	1	Relay–Glow Plug
13	3256–23	8	Washer–Flat
15	322–3	12	Screw–HH
17	98–2350–03	1	Plate–Seat
20	3296–29	10	Nut–Lock, NI
21	92–7520	1	Throttle Cable ASM
22	3272–10	1	Pin–Cotter
23	3256–24	3	Washer–Flat
24	98–2352–03	1	Frame–Seat
25	3290–467	1	Pin–Hair
26	70–1480	1	Relay
27	32144–10	2	Screw–HWH
28	48–7880	1	Nut
29	48–7890	1	Nut
30	52–2900	2	Washer
31	75–3680–03	1	Rod–Seat
32	93–7598–03	1	Lever – Throttle
33	233–42	1	Knob
37	98–8110	1	Decal – Clip
45	92–7396–03	1	Mount–Cable
46	49–2040	1	Screw–Taptite
47	52–5910	1	Ring–Retaining
49	98–2354–03	1	Latch–Seat
50	98–2353	2	Bracket–Latch, Seat
51	32128–25	4	Nut–Flange

Ref. No.	Part No.	Qty.	Description
52	66–4190–03	1	Spring–Idler, Clutch
53	98–8108	1	Decal–Rear Manifold
54	63–9920	1	Decal–Level, Noise
55	85–6910	1	Decal–Noise Rating
56	3290–379	3	Tie–Cable
57	3290–307	1	Hairpin
58	94–8146	1	Strip – Foam



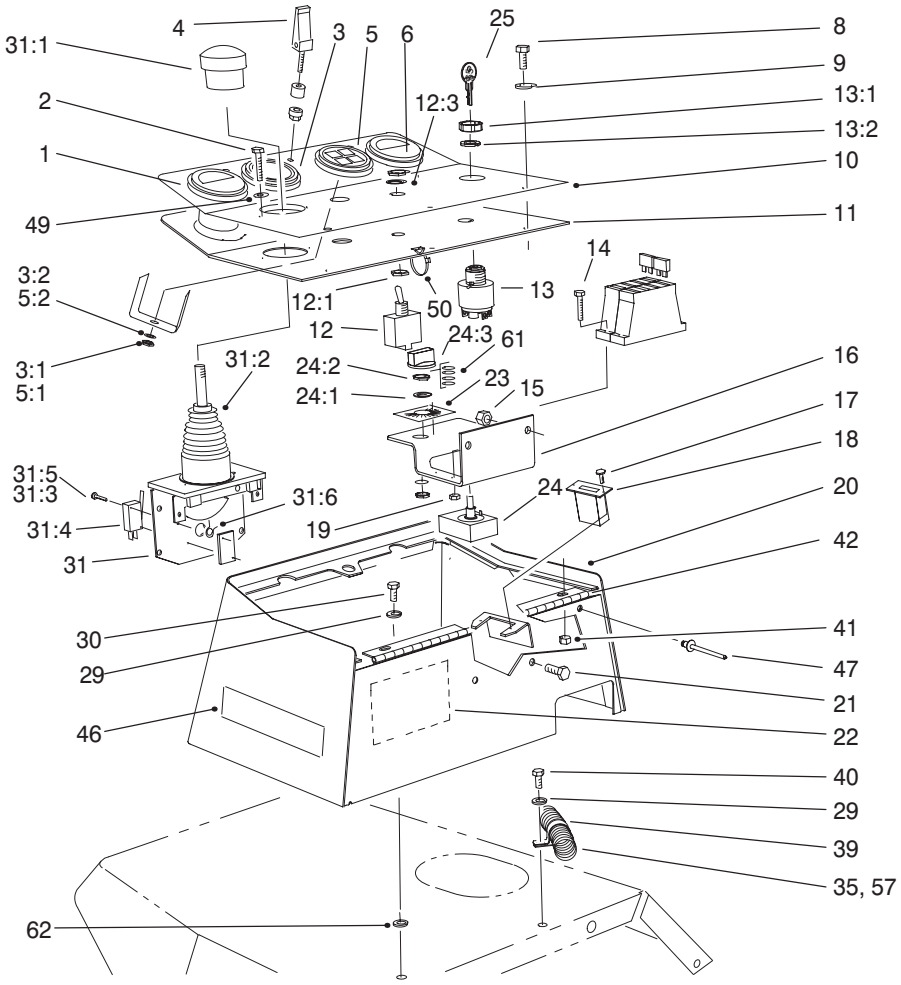
Sheet No.:A1

T–3437

Seat Suspension Assembly

Ref. No.	Part No.	Qty.	Description
1	75–3480	1	Frame–Upper
2	66–8530	1	Adjuster
3	66–8520	2	Bumper–Downstop
4	82–9060	1	Adjuster W/Handle
5	77–2870	1	Hanger–Spring
6	76–1910	2	Shaft–Pivot
7	66–8560	4	Nut–Push
8	76–1940	2	Spring–Extension
9	76–1920	4	Bearing–Sleeve
10	76–1930	1	Knob–Adjuster, Tension
11	66–8610	1	Frame–Lower
12	66–9290	6	Spacer–Suspension
13	75–3580	1	Plate–Seat
14	75–3510	2	Bolt
15	80–4860	1	Pin – Clevis
16	75–3530	1	Spring
17	75–3540	1	Pin–Roll
18	75–3550	2	Bumper
19	76–2940	2	Bumper
20	75–3570	1	Tip
21	3253–6	2	Washer–Lock/Sp
22	3256–26	2	Washer–Flat
23	3256–24	1	Washer–Flat
24	3296–44	1	Nut–Lock NI
25	32128–26	4	Nut–Flange

Ref. No.	Part No.	Qty.	Description
26	3256–46	1	Washer–Flat
27	3256–5	1	Washer–Flat
28	93–3164	2	Cap
29	93–3163	2	Spring
30	93–3165	1	Bracket
31	322–6	1	Screw–HH
32	3253–33	1	Washer–Lock/Sp
33	3217–6	1	Nut–Hex



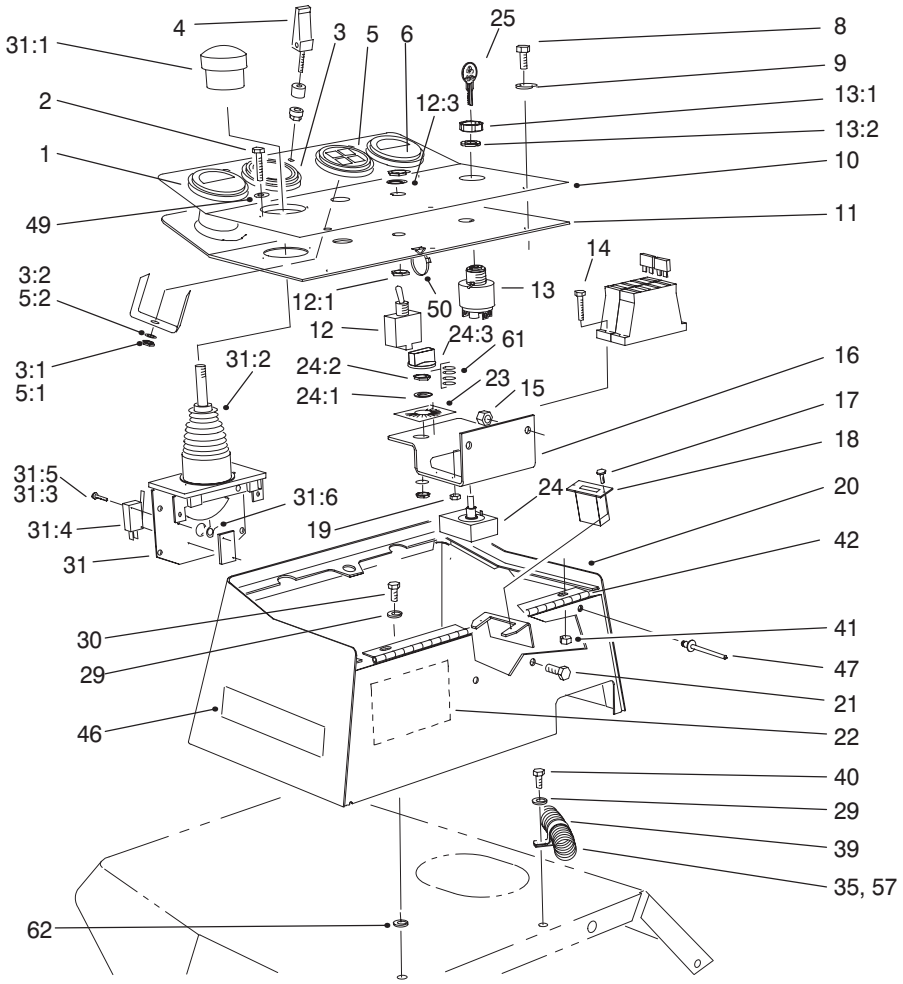
Sheet No.:6

Control Console Assembly

Ref. No.	Part No.	Qty.	Description
1	93–8497	1	Gauge–Fuel
2	3250–31	2	Screw–PPH
3	93–7484	1	Lamp Cluster
3:1	3217–26	1	Nut–Hex
3:2	3254–1	1	Washer–Lock/Int
*3:4	87–6270	4	Socket – Light
*3:5	219–17	4	Bulb
4	74–5950	1	Latch–Swell
5	93–7483	1	Lamp Cluster
5:1	3217–26	1	Nut–Hex
5:2	3254–1	1	Washer–Lock/Int
*5:4	87–6270	4	Socket – Light
*5:5	219–17	4	Bulb
6	76–9060	1	Gauge–Temperature
*6:1	3219–14	6	Nut–Hex
*6:2	3253–2	5	Washer–Lock/Sp
*6:3	3256–14	2	Washer–Flat
8	3258–166	3	Screw
9	3256–1	3	Washer–Flat
10	99–8967	1	Decal – Console
11	94–1417–03	1	Panel – Control
12	99–8352	1	Switch – Backlap
12:1	218–498	2	Locknut–Hex
*12:2	218–588	3	Screw
12:3	218–589	1	Washer
*12:4	3253–19	3	Washer–Lock/Sp

Ref. No.	Part No.	Qty.	Description
13	27–2360	1	Switch–Key
13:1	218–446	1	Nut–Hex
13:2	218–447	1	Washer–Lock
14	32105–13	4	Screw–Shh
15	3296–42	2	Nut–Lock
16	93–7587	1	Bracket–Fuse Block/Panel
17	32144–18	2	Screw–HH
18	75–6820	1	Hourmeter
19	3296–2	4	Nut–Lock
20	75–5740–03	1	Box–Control
21	321–39	2	Screw–HH
22	94–6349	1	Decal–Fuses
23	93–1268	1	Decal–HOC Selector
24	85–4470	1	Potentiometer ASM
24:1	3220–24	1	Nut–Lock
24:2	3254–6	1	Washer–Lock
24:3	85–4480	1	Knob
25	63–8360	1	Key–Ignition
29	3256–23	3	Washer–Flat
30	322–3	2	Screw–HH
31	98–2195	1	Joystick
31:1	3290–489	1	Knob
31:2	3290–488	1	Boot
31:3	3290–354	2	Nut–Speed
31:4	218–590	2	Switch

* Not illustrated

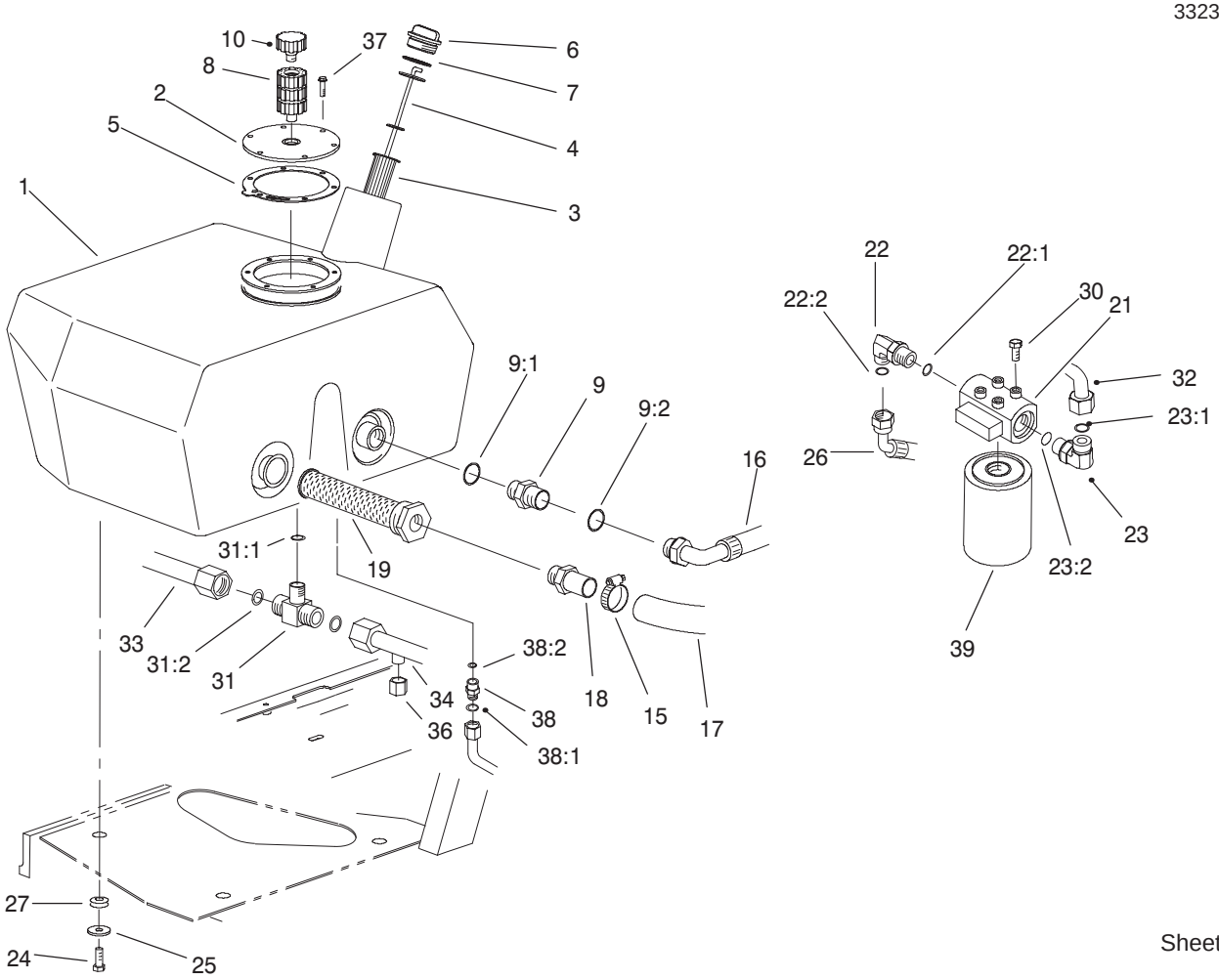


Sheet No.:6

Control Console Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
31:5	3290–93	4	Screw–Pan Hd
31:6	93–3625	1	Spring
35	100–8032	1	Harness–Wire, Main
39	2412–126	1	R–Clamp
40	322–5	1	Screw–HH
41	32128–33	3	Nut–HF
42	75–5780	1	Hinge–Steel
46	93–6689	1	Decal – No Riders
47	93–8744	3	Pop – Rivet
49	3256–14	2	Washer–Flat
50	3290–378	2	Tie–Cable
57	94–6343	1	Decal–I.D., Wire
61	237–7	4	O Ring
62	52–2900	3	Washer
99	99–8983	1	Decal–Controller

Ref. No.	Part No.	Qty.	Description

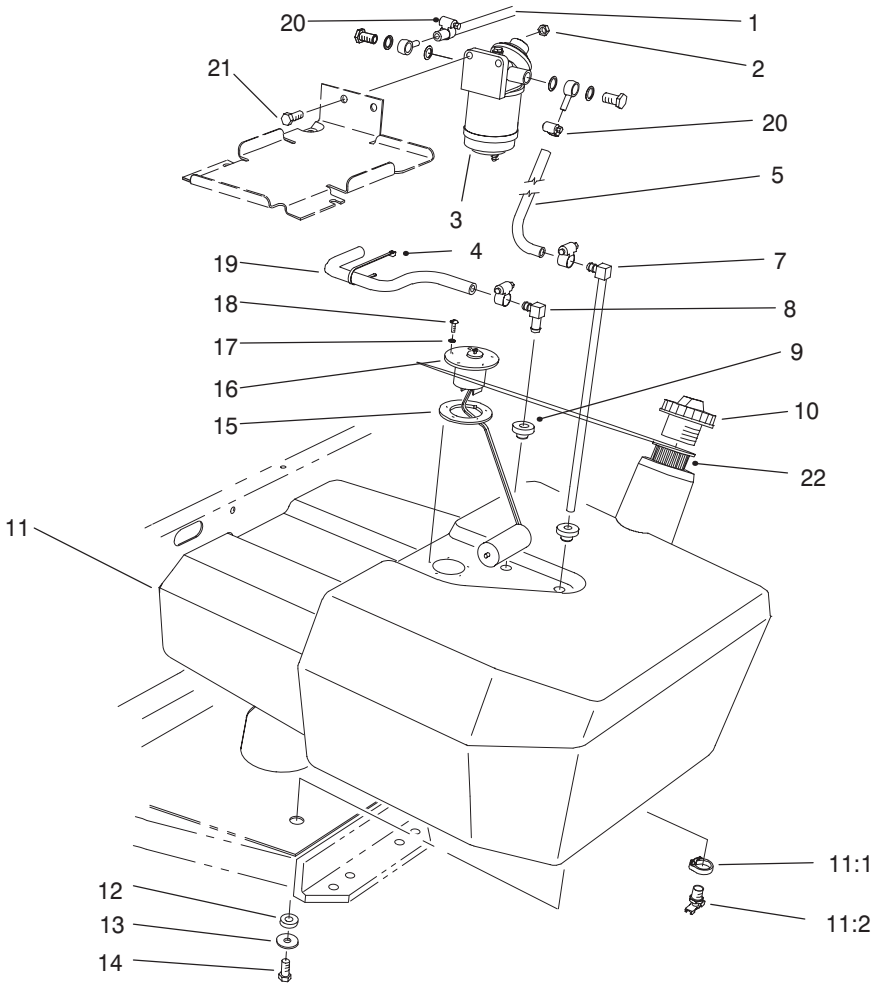


Sheet No.:7

Hydraulic Filter and Reservoir Assembly

Ref. No.	Part No.	Qty.	Description
1	104–0085	1	Tank – Oil
2	99–2580	1	Cover–Tank
3	61–2790	1	Filter–Screen
4	75–3710	1	Dipstick
5	93–7499	1	Gasket
6	93–7498	1	Plug–Plastic
7	94–8166	1	O–Ring
8	92–8020	3	Adapter – Breather
9	340–91	1	Adapter
9:1	237–58	1	O–Ring
9:2	237–146	1	O–Ring
10	68–6150	1	Breather–Air
15	2412–111	1	Clamp
16	92–7489	1	Pump Return Hose ASM
17	92–7465	1	Hose – Suction
18	92–7525	1	Fitting
19	92–7527	1	Strainer – Tank Mount
21	94–2620	1	Filter ASM – Oil
22	340–139	1	Fitting–90°
22:1	237–81	1	O–Ring
22:2	237–65	1	O–Ring
23	340–142	1	Elbow–90°
23:1	237–58	1	O–Ring
23:2	237–81	1	O–Ring
24	33105–025	3	Screw–HHF

Ref. No.	Part No.	Qty.	Description
25	63–8410	3	Washer
26	92–7490	1	Filter Hose ASM
27	240–11	3	Grommet–Tank Mount
30	3234–1	2	Screw–HHF
31	340–157	1	Fitting–Hydraulic
31:1	237–79	1	O–Ring
31:2	237–30	2	O–Ring
32	92–7493	1	Filter Tube ASM
33	92–7478	1	RH Motor Tube ASM
34	94–1446	1	Drain Tube ASM
36	92–7551	1	Fitting
37	33104–020	6	Screw–HHF
38	340–2	1	Adapter
38:1	237–22	1	O–Ring
38:2	237–42	1	O–Ring
39	94–2621	1	Filter Element

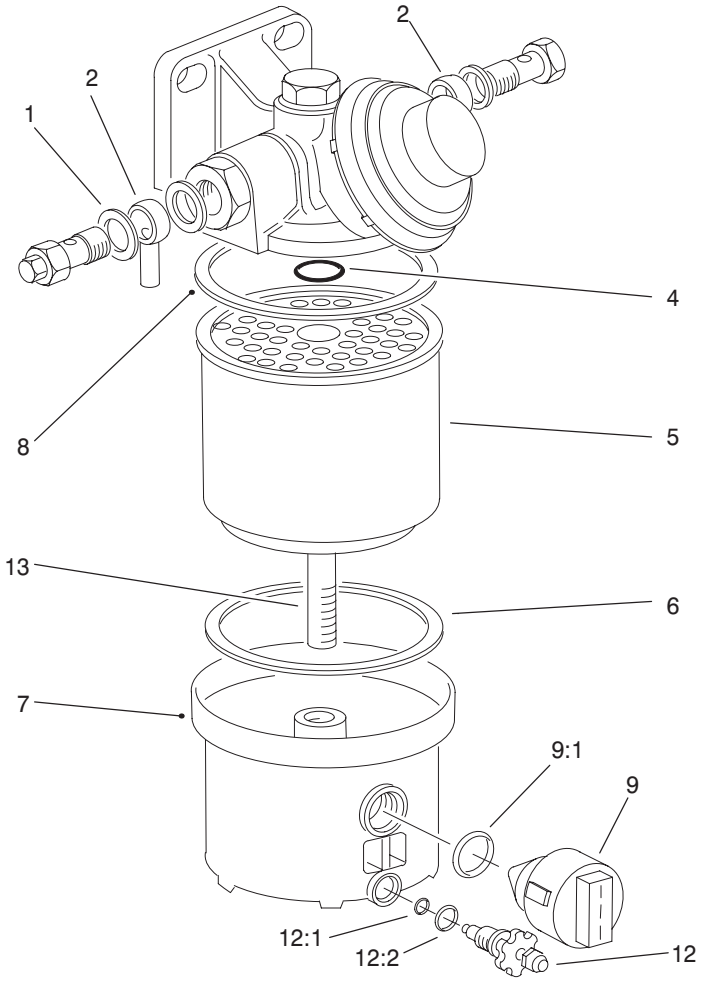


Sheet No.:8

Fuel Tank and Filter Assembly

Ref. No.	Part No.	Qty.	Description
1	63–7627	1	Hose–Fuel
2	33005–00	2	Nut–Hex Flange
3	76–5300	1	Fuel Filter ASM
4	2390–378	3	Tie–Cable
5	92–7522	1	Hose – Fuel Line
7	66–8121	1	Standpipe
8	46–6550	1	Elbow–Connector, 90°
9	46–6560	2	Bushing
10	93–3102	1	Cap–Fuel
11	92–7422	1	Tank – Fuel
11:1	2412–36	1	Clamp–Hose
11:2	304–46	1	Draincock
12	240–11	3	Grommet–Tank Mount
13	63–8410	3	Washer
14	33105–025	3	Screw–HHF
15	62–7650	1	Gasket
16	63–7640	1	Sender–Fuel
17	3253–15	5	Washer–Lock/Sp
18	32122–24	5	Screw–Pth
19	92–7521	1	Hose – Fuel Line
20	2412–108	4	Clamp–Worm
21	33105–030	2	Screw–HHF
22	61–2790	1	Filter–Screen

Ref. No.	Part No.	Qty.	Description



5 — 4, 6 & 8

Parts not listed in partlist are not serviced separately.

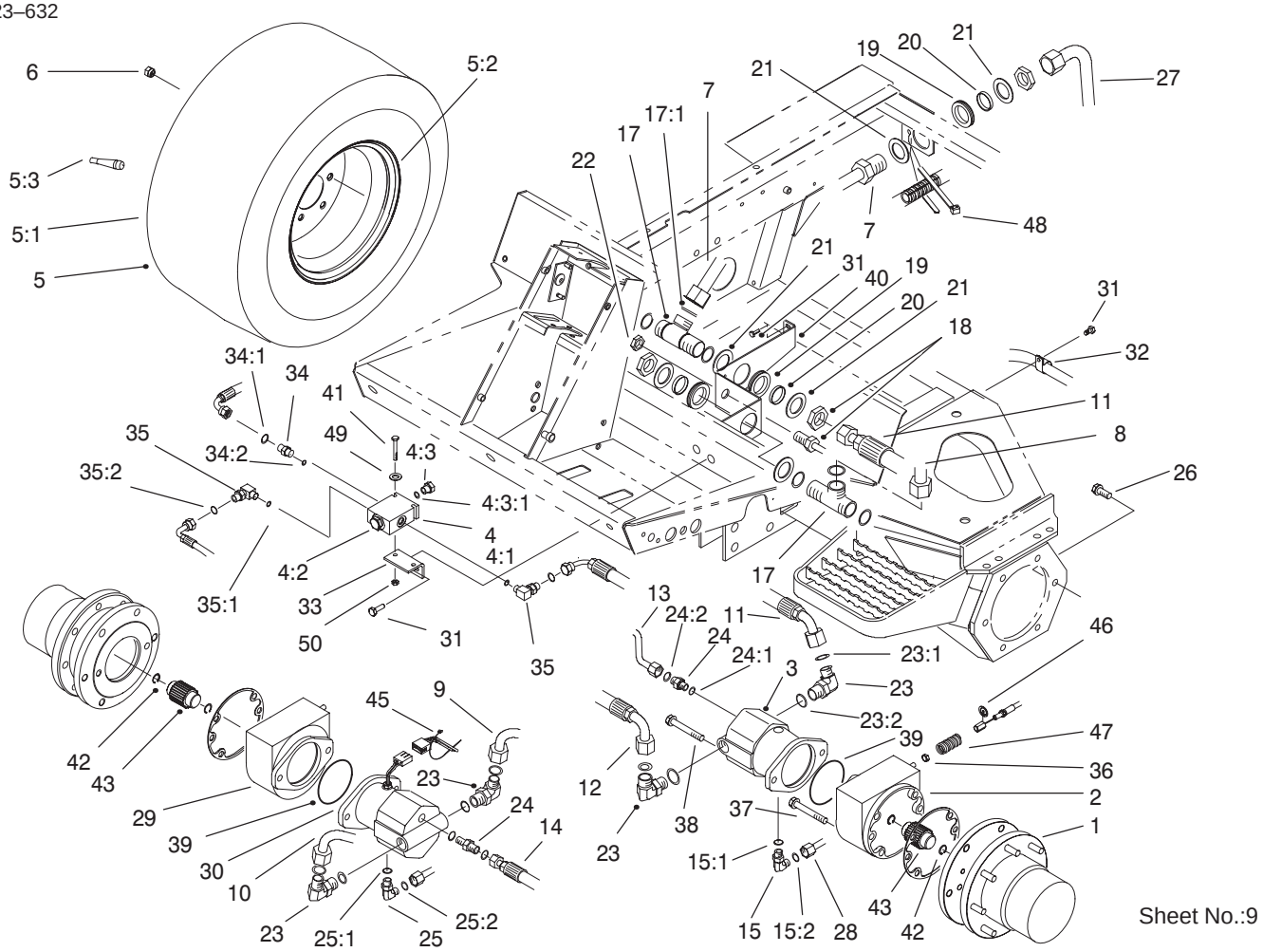
Sheet No.:A2

T–3486

Fuel Filter Assembly # 76–5300

Ref. No.	Part No.	Qty.	Description
1	76–5180	4	Copper Washer
2	76–5190	2	Fitting–Adj.
5	76–5220	1	Filter Element
9	76–5320	1	Probe–Water Sensor
9:1	94–8025	1	O–Ring
12	94–8026	1	Screw – Vent
12:1	94–8027	1	O–Ring
12:2	94–8028	1	O–Ring

Ref. No.	Part No.	Qty.	Description



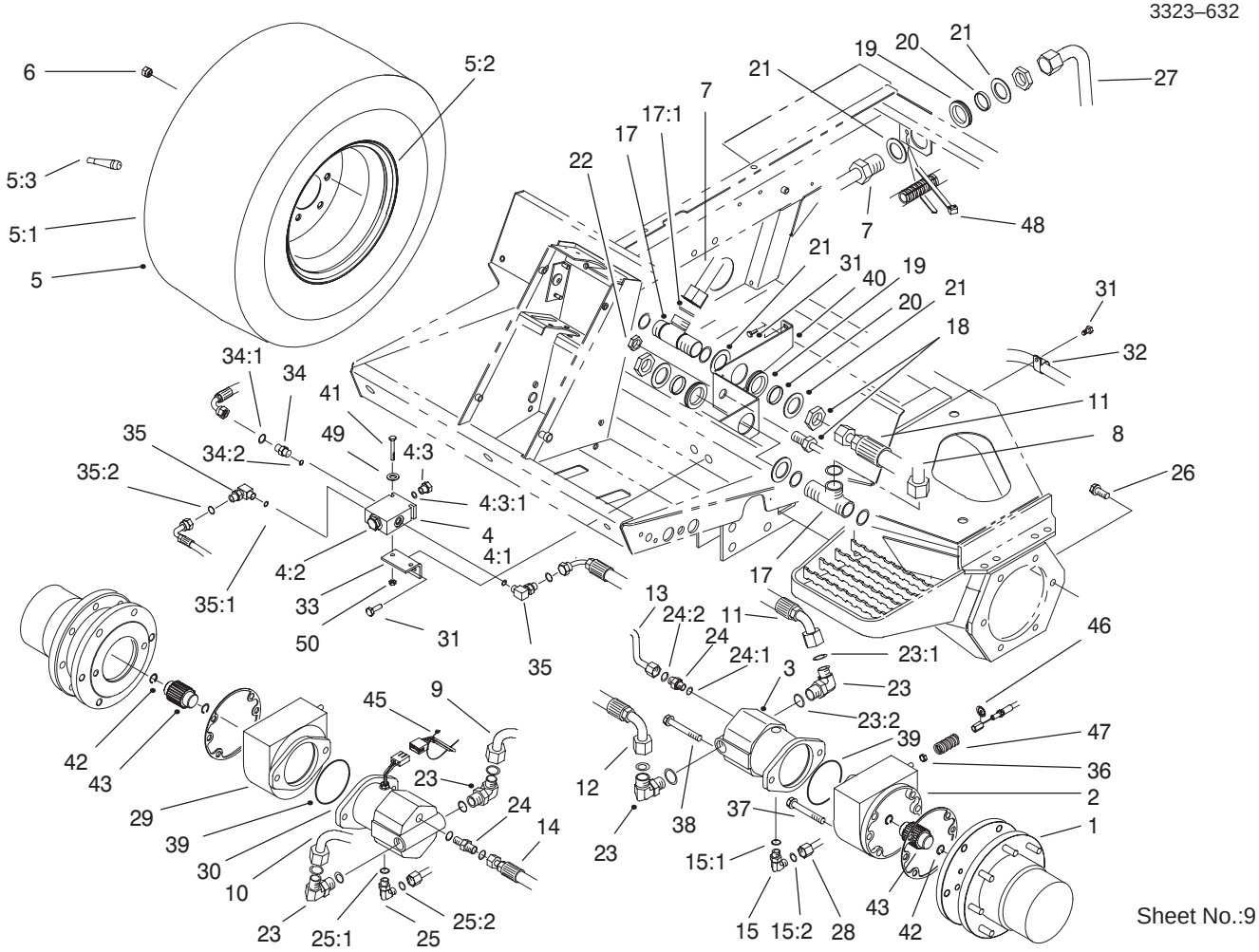
Sheet No.:9

Front Hydraulic Drive and Brake Assembly

Ref. No.	Part No.	Qty.	Description
1	92–7415–03	2	Planetary Drive ASM
2	92–7417–03	1	LH Brake ASM
3	92–7385	1	Motor–Planetary
4	99–6998	1	Divider–Flow
4:1	99–5645	1	Body
4:2	99–5646	1	Cartridge
4:3	353–989	1	Plug–Hollow Hex
4:3:1	237–42	1	O–Ring
*4:4	99–5647	1	Seal Kit
5	95–3463	2	Wheel & Tire ASM
5:1	95–3465	1	Tire
5:2	95–3464	1	Rim
5:3	232–24	1	Stem–Valve
6	92–7483	16	Lug Nut
7	92–7474	1	Front Tube ASM (Only On: 03804)
8	92–7485	1	Hydraulic Hose ASM
9	92–7475	1	Traction Tube ASM
10	92–7476	1	Traction Tube ASM
11	92–7486	1	Hydraulic Hose ASM
12	92–7487	1	Hydraulic Hose ASM
13	92–7477	1	Motor Drain Tube ASM
14	92–7488	1	Hydraulic Hose ASM
15	340–18	1	Fitting
15:1	237–79	1	O–Ring
15:2	237–22	1	O–Ring

Ref. No.	Part No.	Qty.	Description
17	92–7550	2	Fitting – Bulkhead Tee
17:1	340–65	3	O Ring
18	340–128	2	Nut–Bulkhead (Only On: 03803)
18	340–128	3	Nut–Bulkhead (Only On: 03804)
19	240–2	3	Grommet–Rubber (Only On: 03804)
19	240–2	2	Grommet–Rubber (Only On: 03803)
20	69–8950	3	Spacer (Only On: 03804)
20	69–8950	2	Spacer (Only On: 03803)
21	69–8920	6	Washer (Only On: 03804)
21	69–8920	4	Washer (Only On: 03803)
22	340–127	1	Nut–Bulkhead
23	340–142	4	Elbow–90°
23:1	237–58	1	O–Ring
23:2	237–81	1	O–Ring
24	340–5	2	Fitting–Straight
24:1	237–42	1	O–Ring
24:2	237–30	1	O–Ring
25	340–98	1	Fitting–Hyd, 90°

* Not illustrated



Sheet No.:9

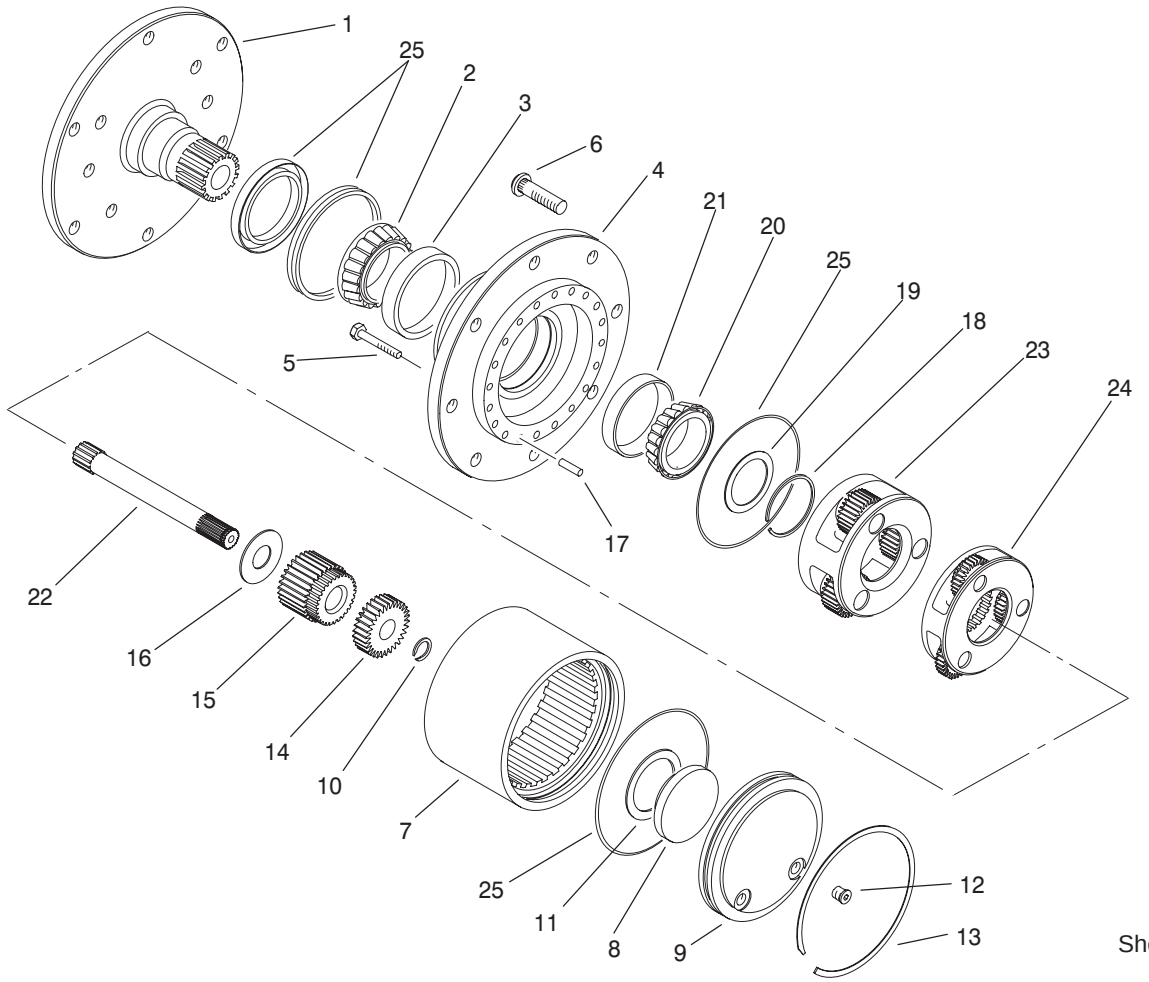
Front Hydraulic Drive and Brake Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
25:1	237–79	1	O–Ring
25:2	237–30	1	O–Ring
26	33106–030	12	Screw–HHF
27	92–7473	1	Rear Tube ASM (Only On: 03804)
*27:1	237–58	1	O–Ring (Only On: 03804)
28	92–7598	1	Front Drain Tube ASM
29	92–7414–03	1	RH Brake ASM
30	93–7476	1	Motor
31	32144–11	6	Screw–TAP
32	2412–93	2	R–Clamp
33	100–3807	1	Bracket–Flow Divider
34	340–1	1	Adapter
34:1	237–35	1	O–Ring
34:2	237–42	1	O–Ring
35	340–82	2	Adapter
35:1	237–42	1	O–Ring
35:2	237–35	1	O–Ring
36	3218–4	2	Nut–Jam
37	33106–090	8	Screw–HHF
38	33116–120	4	Screw–HH
39	237–166	2	O–Ring
40	92–7455–03	1	Plate – Bulkhead
41	321–11	2	Screw–HH
42	93–7972	4	Ring–Retaining, Int.

Ref. No.	Part No.	Qty.	Description
43	93–7966	2	Shaft–Splined Brake
44	92–7645	1	Elbow–Swivel, 90° (Only On: 03803)
45	3290–378	2	Tie–Cable
46	94–3050	2	Plate–Spring
47	94–3088	2	Spring–Compression Brake
48	3290–379	4	Tie–Cable
49	3256–2	2	Washer–Flat
50	3296–42	2	Nut–Lock

* Not illustrated

3323–632

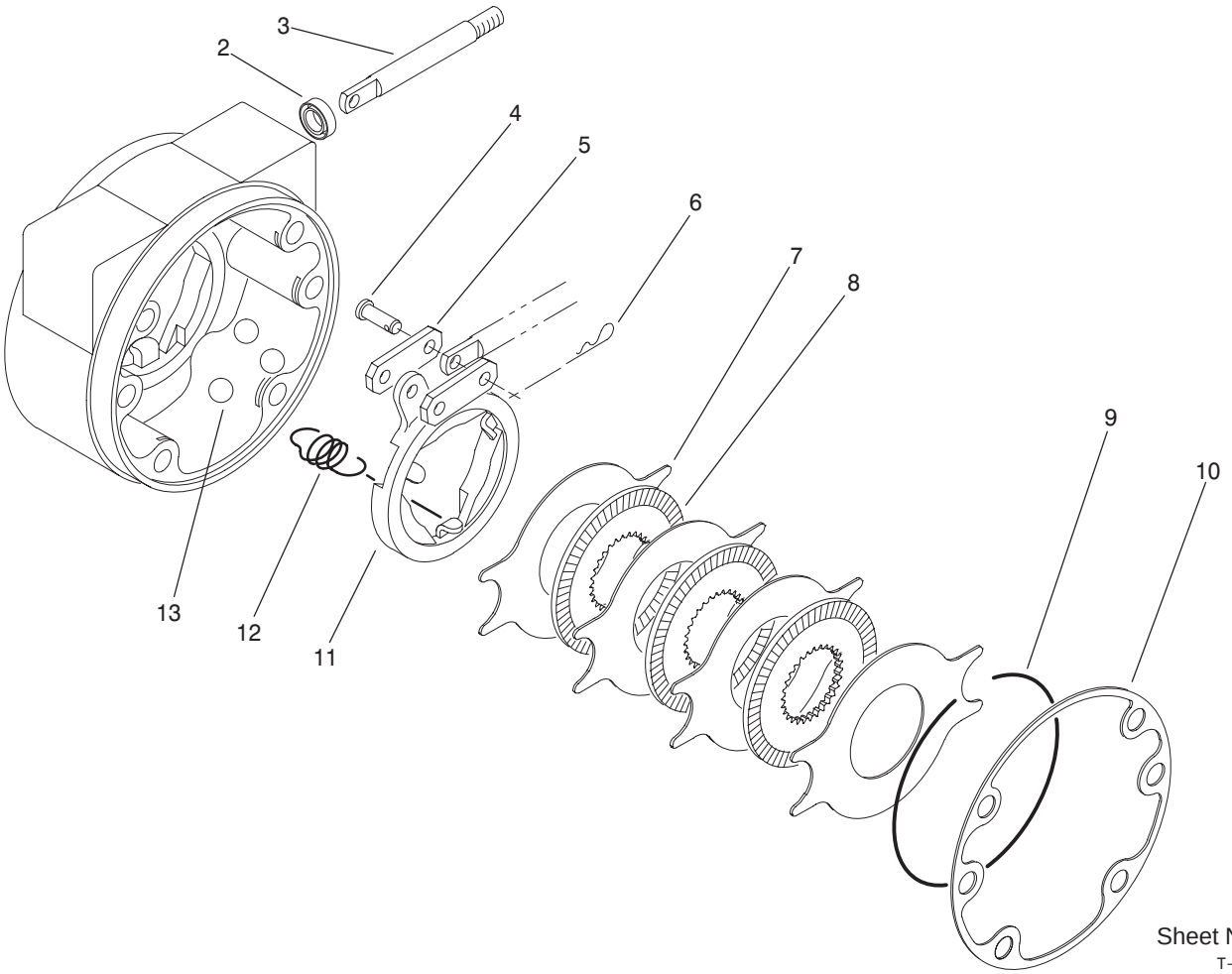


Sheet No.:A3
T–3487

Planetary Drive Assembly # 92–7415–03

Ref. No.	Part No.	Qty.	Description
1	93–7450	1	Spindle
2	93–7451	1	Cone–Bearing
3	93–7452	1	Cup–Bearing
4	93–7453	1	Housing
5	93–7454	18	Bolt–Hex Hd
6	93–7455	8	Stud–Wheel
7	93–7456	1	Gear–Ring
8	93–7457	1	Spacer–Input
9	93–7458	1	Plate–Cover
10	93–7459	1	Ring–Retaining, Ext
11	93–7460	1	Washer–Thrust
12	93–7461	2	Plug–Pipe
13	93–7462	1	Ring–Retaining, Int
14	93–7463	1	Gear–Sun
15	93–7464	1	Gear–Sun
16	93–7465	1	Washer–Thrust
17	93–7466	2	Pin–Dowel
18	93–7467	1	Ring–Retaining, Ext
19	93–7468	1	Washer–Thrust
20	93–7469	1	Cone–Bearing
21	93–7470	1	Cup–Bearing
22	93–7471	1	Shaft–Input
23	93–7472	1	Secondary Carrier ASM
24	93–7473	1	Primary Carrier ASM
25	93–7474	1	Seal Kit

Ref. No.	Part No.	Qty.	Description

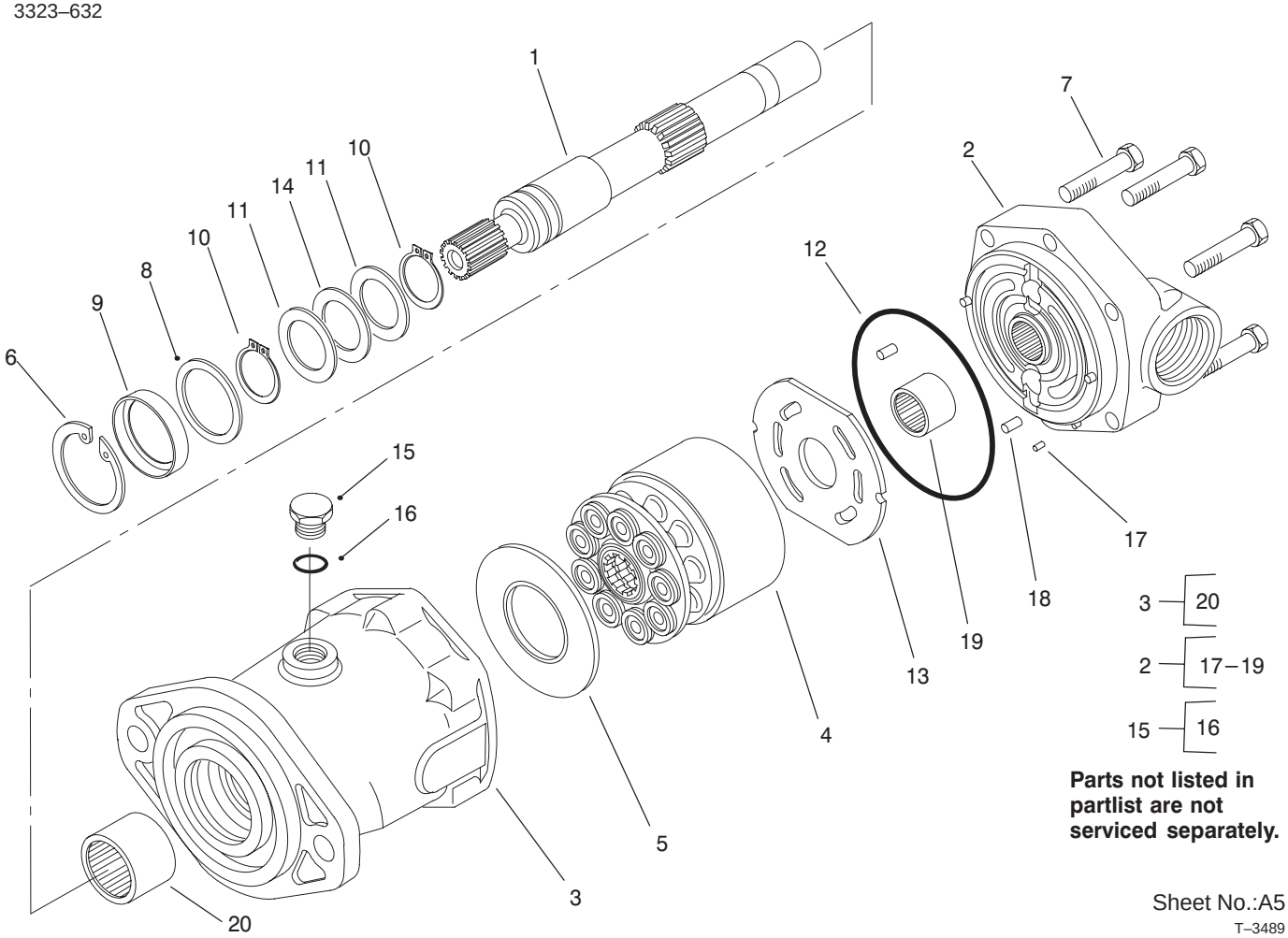


Sheet No.:A4
T–3488

LH – Brake Assembly

Ref. No.	Part No.	Qty.	Description
2	93–7977	1	Seal
3	93–7978	1	Rod–Pull
4	93–7983	2	Pin–Clevis
5	93–7980	2	Link
6	93–7979	2	Pin–Hitch
7	93–7986	4	Disc–Stationary
8	93–7981	3	Disc–Rotating
9	93–7976	1	Ring–Retaining
10	93–7984	1	Gasket
11	93–7982	1	Actuator
12	93–7987	3	Spring–Extension
13	93–7985	3	Ball

Ref. No.	Part No.	Qty.	Description

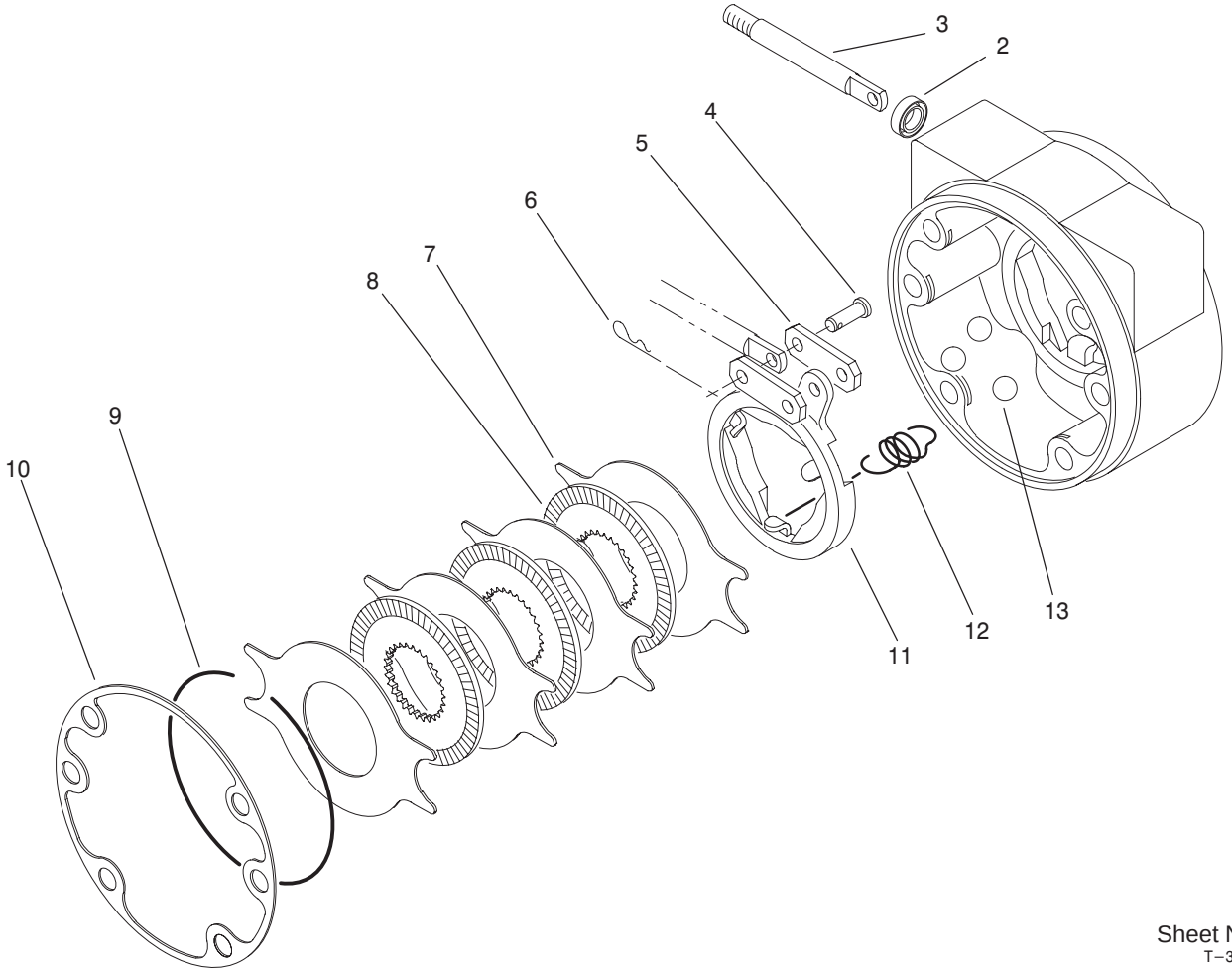


Sheet No.:A5
T–3489

RH – Hydraulic Motor Assembly # 92–7385

Ref. No.	Part No.	Qty.	Description
1	94–3004	1	Shaft – Drive, Splined
2	94–3005	1	Backplate ASM
3	94–3006	1	Housing ASM
4	76–6910	1	Rotating Kit ASM
5	76–6970	1	Insert–Cam Plate
6	76–7010	1	Ring–Retaining
7	94–3002	6	Capscrew
8	94–3007	1	Washer
9	94–3008	1	Seal – Shaft
10	76–7000	2	Ring–Retaining
11	76–6950	2	Thrust Race
12	76–6980	1	O–Ring
13	94–3003	1	Plate – Valve
14	76–6960	1	Bearing–Thrust
15	94–3009	1	Plug

Ref. No.	Part No.	Qty.	Description

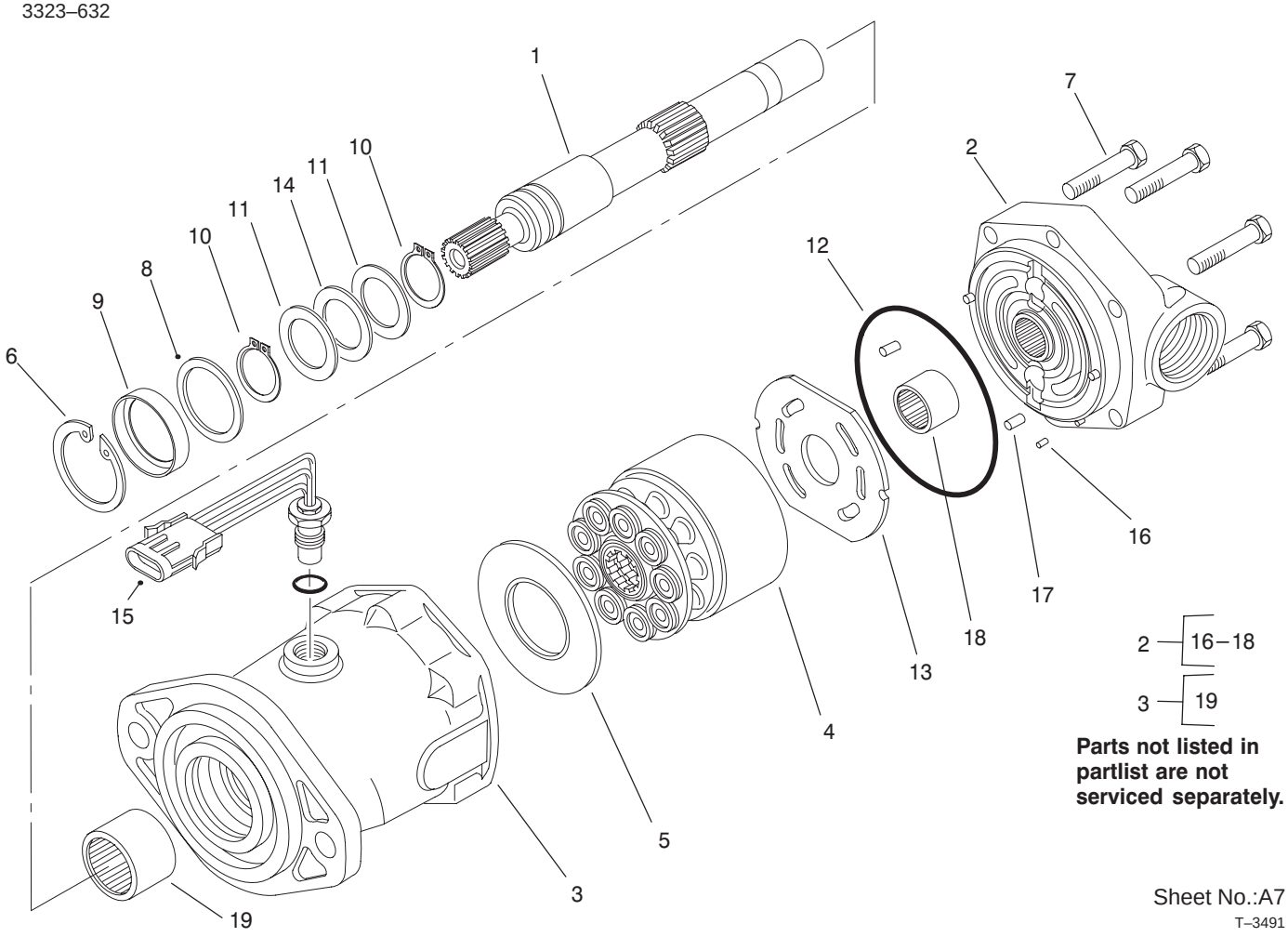


Sheet No.:A6
T–3490

RH – Brake Assembly

Ref. No.	Part No.	Qty.	Description
2	93–7977	1	Seal
3	93–7978	1	Rod–Pull
4	93–7983	2	Pin–Clevis
5	93–7980	2	Link
6	93–7979	2	Pin–Hitch
7	93–7986	4	Disc–Stationary
8	93–7981	3	Disc–Rotating
9	93–7976	1	Ring–Retaining
10	93–7984	1	Gasket
11	93–7982	1	Actuator
12	93–7987	3	Spring–Extension
13	93–7985	3	Ball

Ref. No.	Part No.	Qty.	Description

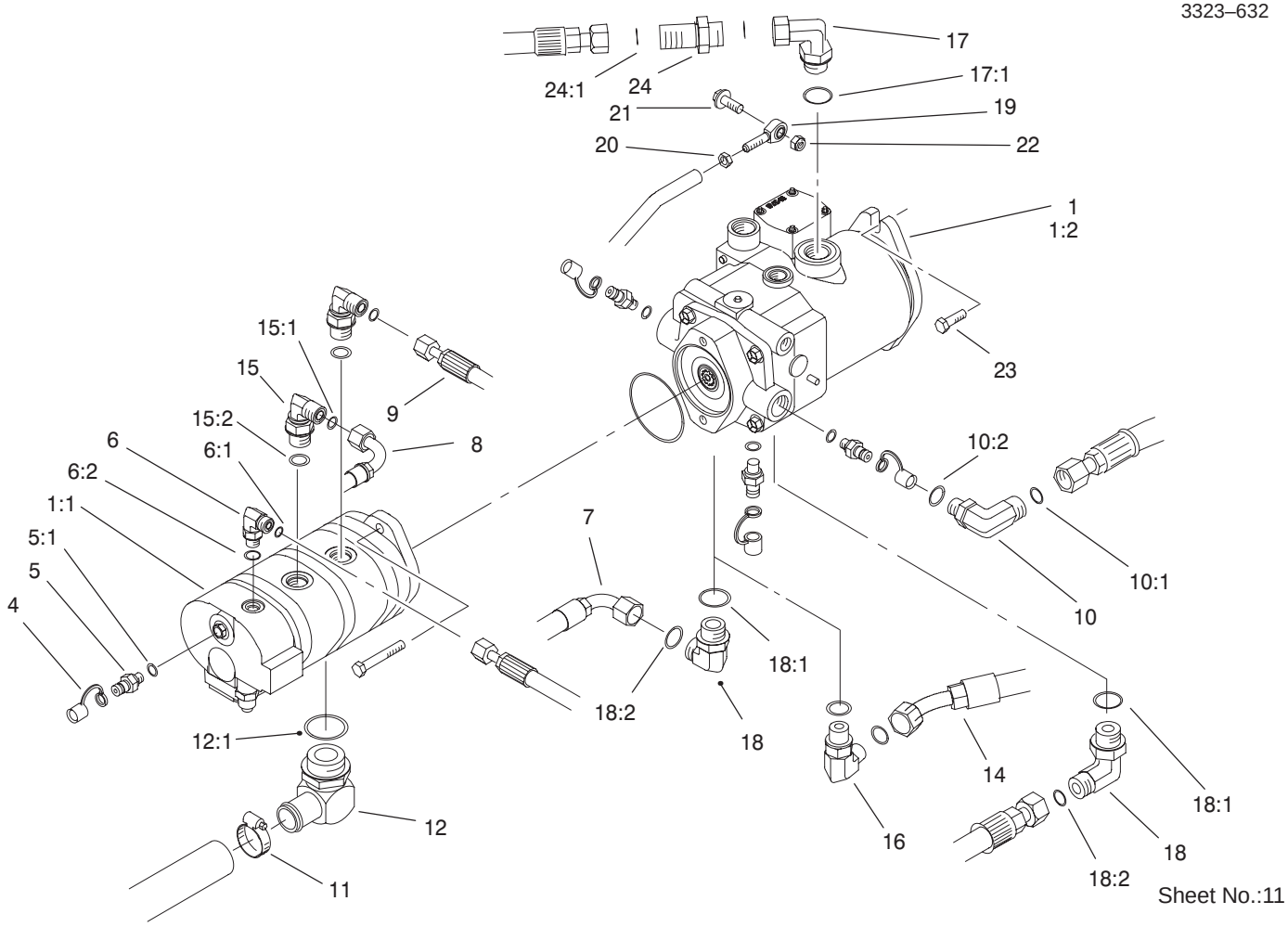


Sheet No.:A7
T–3491

LH – Hydraulic Motor Assembly # 93–7476

Ref. No.	Part No.	Qty.	Description
1	94–3004	1	Shaft – Drive, Splined
2	94–3005	1	Backplate ASM
3	94–3006	1	Housing ASM
4	76–6910	1	Rotating Kit ASM
5	76–6970	1	Insert–Cam Plate
6	76–7010	1	Ring–Retaining
7	94–3002	6	Capscrew
8	94–3007	1	Washer
9	94–3008	1	Seal – Shaft
10	76–7000	2	Ring–Retaining
11	76–6950	2	Thrust Race
12	76–6980	1	O–Ring
13	94–3003	1	Plate – Valve
14	76–6960	1	Bearing–Thrust
15	94–3010	1	Sensor – Speed Pickup

Ref. No.	Part No.	Qty.	Description

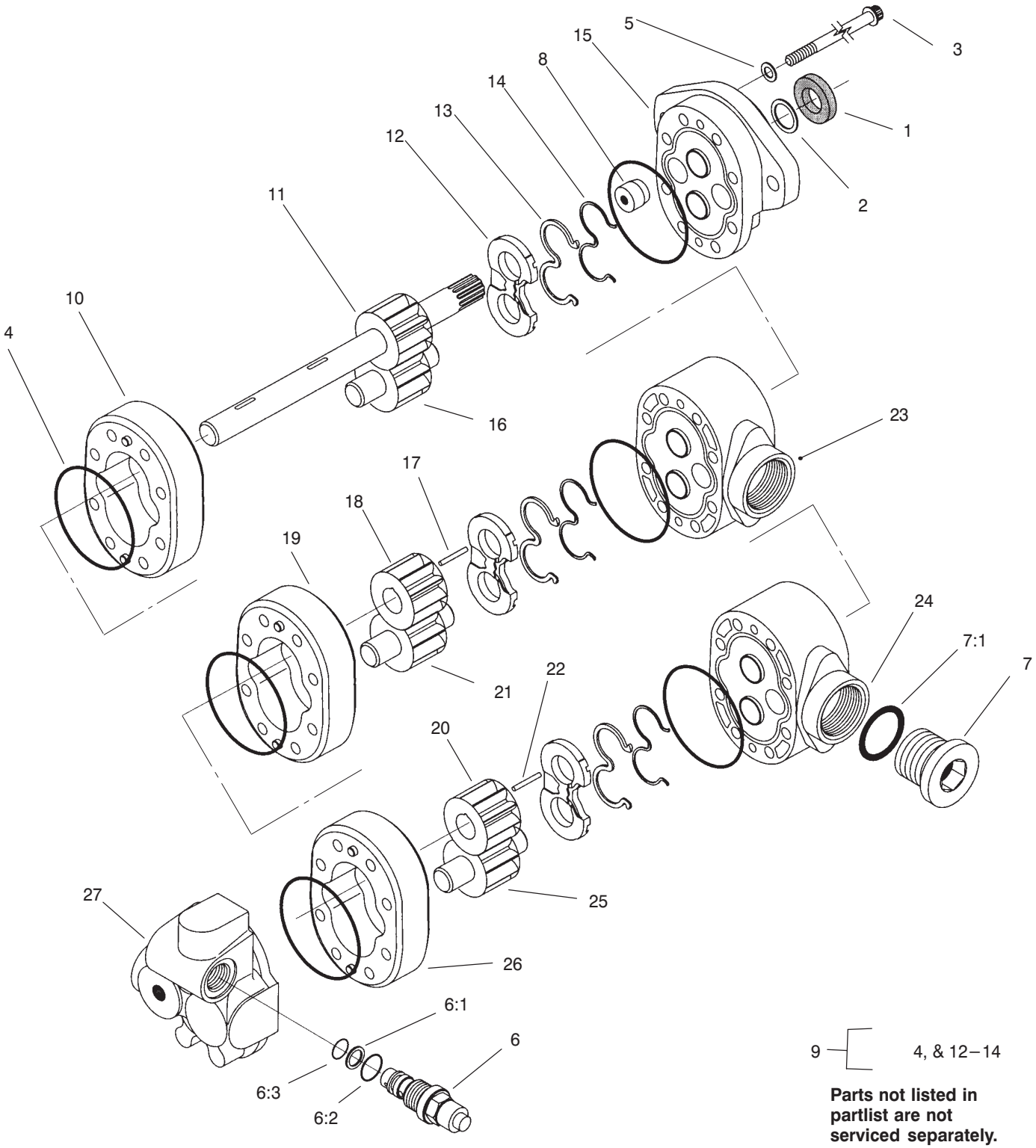


Hydraulic Pump Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	93–7475	1	Pump ASM
1:1		1	Gear Pump ASM
1:2		1	Servo Pump ASM
4	354–79	4	Cap – Fitting, Yellow
5	354–77	4	Fitting–Quick
5:1	237–78	1	O–Ring
6	340–77	1	Fitting–Hyd. 90°
6:1	237–22	1	O–Ring
6:2	237–42	1	O–Ring
7	92–7634	1	Hydraulic Hose ASM (Only On: 03803)
8	92–7491	1	Hose ASM
9	92–7492	1	Hose ASM
10	340–17	1	Adapter
10:1	237–65	1	O–Ring
10:2	237–80	1	O–Ring
11	2412–111	1	Clamp
12	92–7526	1	Fitting – 90°
12:1	237–101	1	O–Ring
14	100–3813	1	Hose ASM (Only On: 03804)
15	340–105	2	Fitting–Hyd., 90°
15:1	237–30	1	O–Ring

Ref. No.	Part No.	Qty.	Description
15:2	237–80	1	O–Ring
16	340–15	1	Adapter (Only On: 03804)
16:1	237–58	1	O–Ring (Only On: 03804)
16:2	237–146	1	O–Ring (Only On: 03804)
17	94–2636	1	Fitting – Hyd
17:1	237–81	1	O–Ring
18	340–129	2	Elbow–90° (Only On: 03803)
18	340–129	1	Elbow–90° (Only On: 03804)
18:1	237–146	1	O–Ring
18:2	340–65	1	O Ring
19	2411–36	1	Bearing–End, Rod
20	3220–3	1	Nut–Jam
21	3234–11	1	Screw–HHF
22	3296–59	1	Nut–Lock, NI
23	82–5050	2	Screw–HH
24	94–2637	1	Fitting – Hyd
24:1	237–58	2	O–Ring

Gear Pump Assembly # 93–2175



Parts not listed in partlist are not serviced separately.

Sheet No.:A8

T–3492

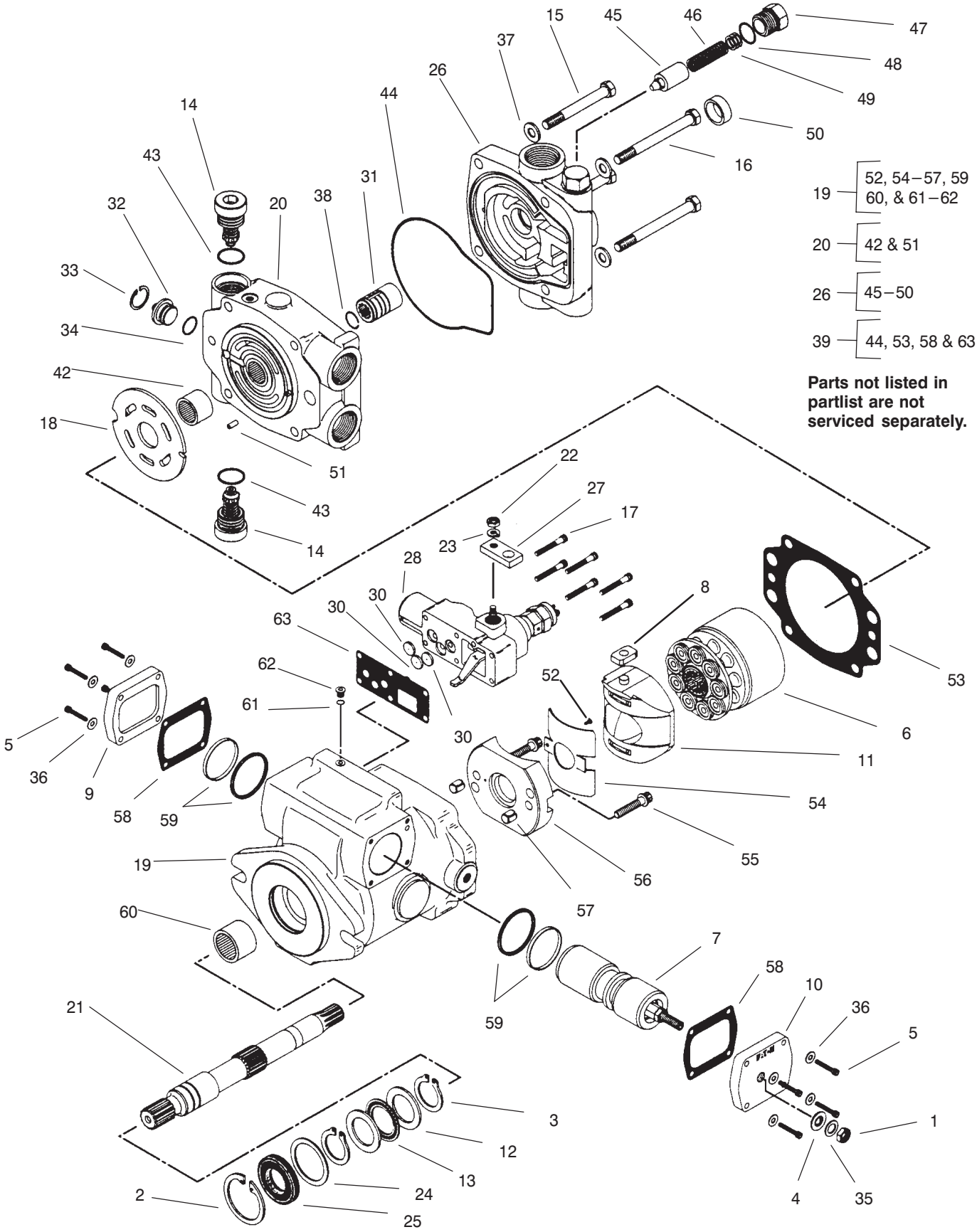
Gear Pump Assembly # 93–2175

Ref. No.	Part No.	Qty.	Description
1	49–2640	1	Shaft Seal
2	60–5890	1	Washer
3	94–3012	8	Capscrew
4	56–6710	6	O–Ring – Motor, Gear
5	74–8920	4	Washer – Copper

Ref. No.	Part No.	Qty.	Description
6	94–3014	1	Relief Valve ASM
7	94–3013	1	Plug
8	94–3011	1	Plug
9	94–3015	1	Seal Kit
9:1	56–6710	6	O–Ring – Motor, Gear

* Not illustrated

Servo Controlled Piston Pump Assembly # 98–3730



Sheet No.:A9

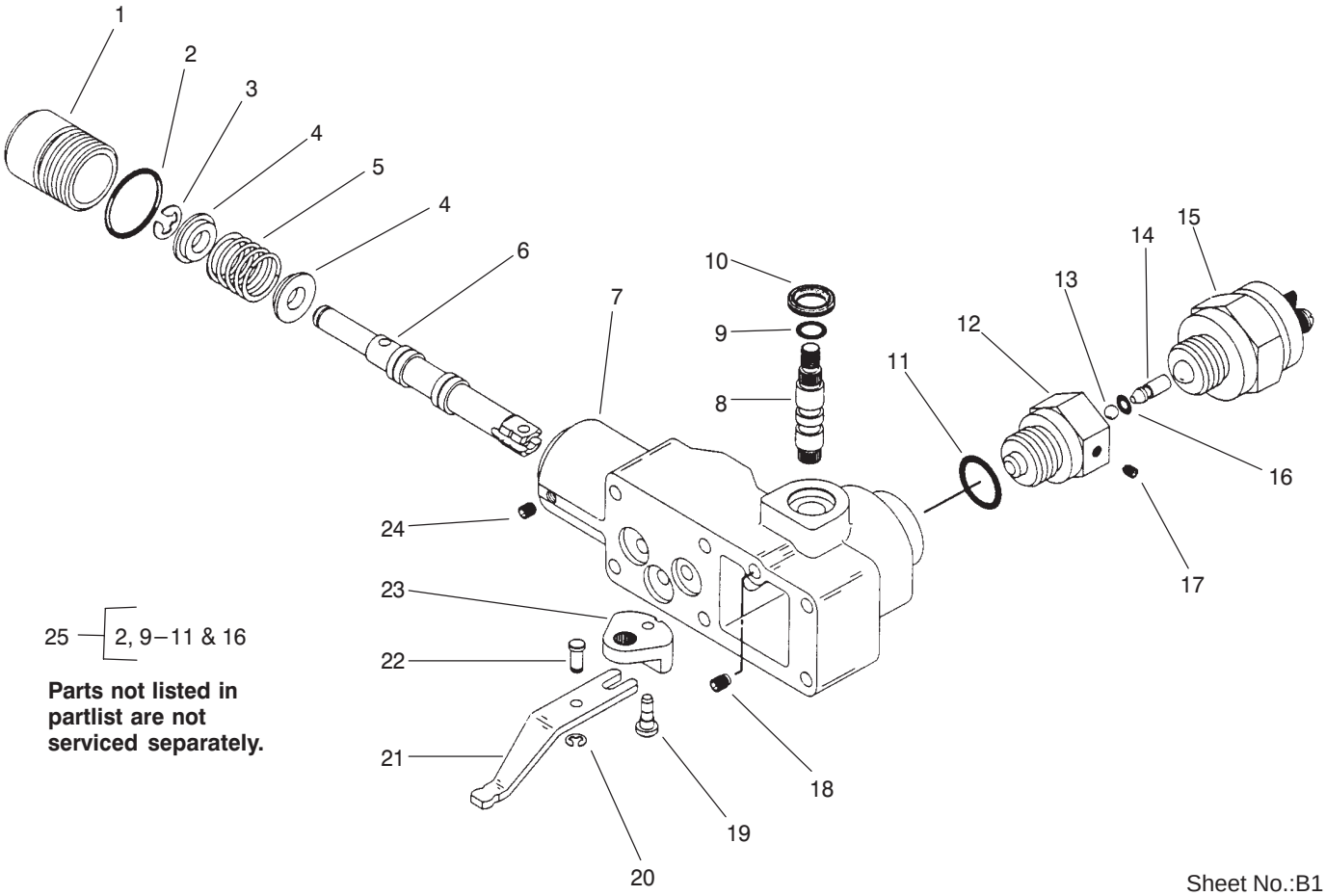
T–3493

Servo Controlled Piston Pump Assembly # 98–3730

Ref. No.	Part No.	Qty.	Description
1	3220–2	1	Nut–Jam
2	76–7010	1	Ring–Retaining
3	76–7000	2	Ring–Retaining
4	94–3027	1	Washer – Seal
5	3274–81	8	Screw–HSH
6	94–3021	1	Rotating Kit ASM
7	94–3025	1	Servo Piston ASM
8	94–3032	1	Follower – Piston
9	94–3033	1	Plate – Cover
10	94–3034	1	Plate – Cover
11	94–3026	1	Camplate ASM
12	76–6950	2	Thrust Race
13	76–6960	1	Bearing–Thrust
14	94–9999	2	Valve–Relief
15	94–3028	2	Capscrew
16	94–3029	2	Capscrew
17	3274–59	6	Screw–HSH
18	94–3022	1	Plate – Valve
19	94–3018	1	Housing ASM
20	98–3727	1	Backplate ASM
21	94–3020	1	Shaft – Drive
22	3217–5	1	Nut–Hex
23	3253–3	1	Washer–Lock/Sp
24	94–3007	1	Washer
25	94–3008	1	Seal – Shaft
26	94–3017	1	Charge Adapter ASM
27	94–3031	1	Arm – Control
28	94–3019	1	Manual Servo Control
30	94–3040	2	Orifice
31	94–3023	1	Coupler
32	94–3038	1	Actuator–Dump Valve
33	94–3037	1	Ring – Retaining
34	94–3036	1	Ring – Quad
35	94–3030	1	Washer
36	3256–77	8	Washer–Flat
37	3256–24	4	Washer–Flat
38	94–3035	1	Ring – Lock
*39	94–3039	1	Seal Kit
*40	94–3043	1	Switch–Safety, Neutral
*41	94–3044	1	Seal Kit

Ref. No.	Part No.	Qty.	Description

* Not illustrated

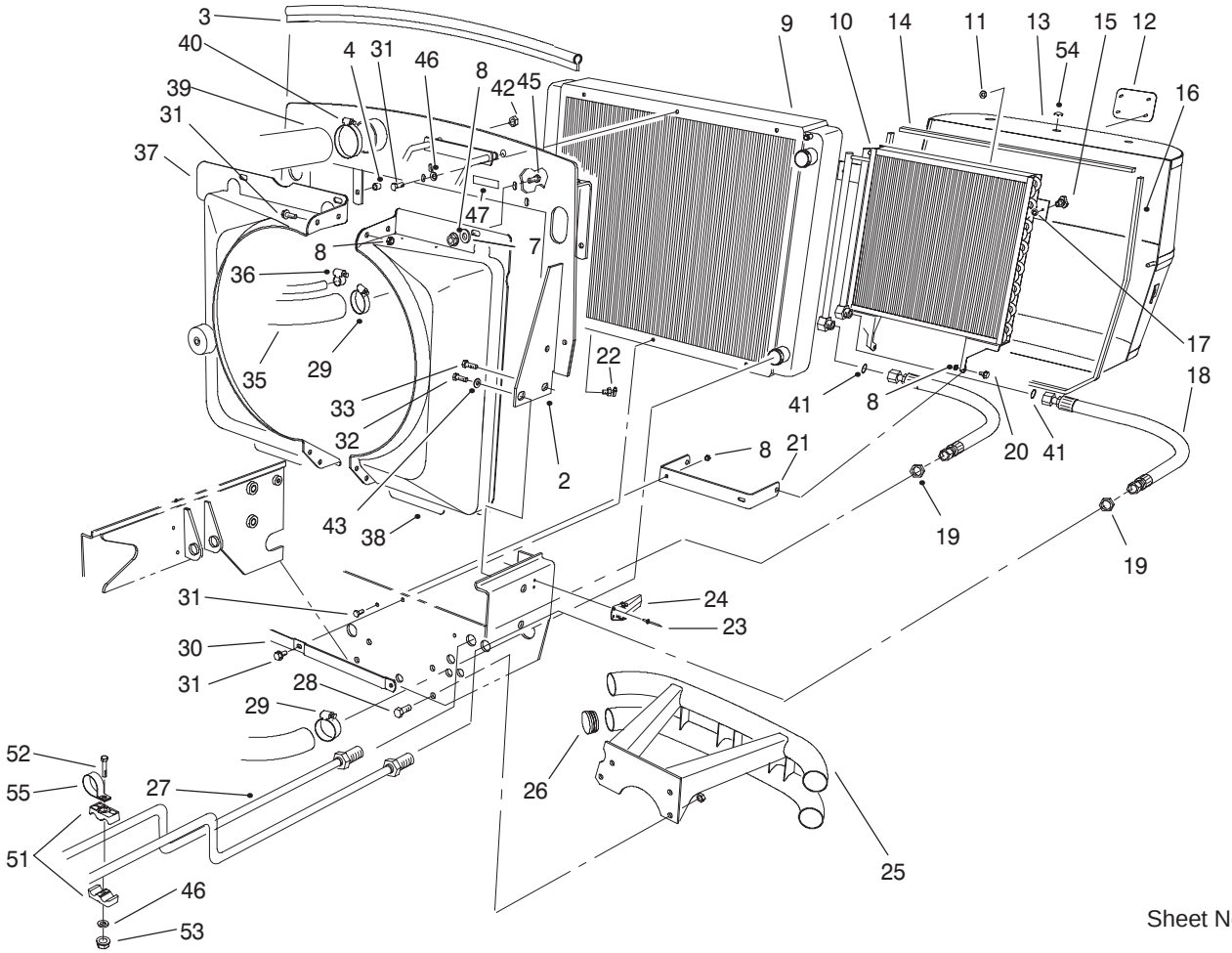


Sheet No.:B1
T–3494

Manual Servo Control # 94–3019

Ref. No.	Part No.	Qty.	Description
15	94–3043	1	Switch–Safety, Neutral
25	94–3044	1	Seal Kit

Ref. No.	Part No.	Qty.	Description

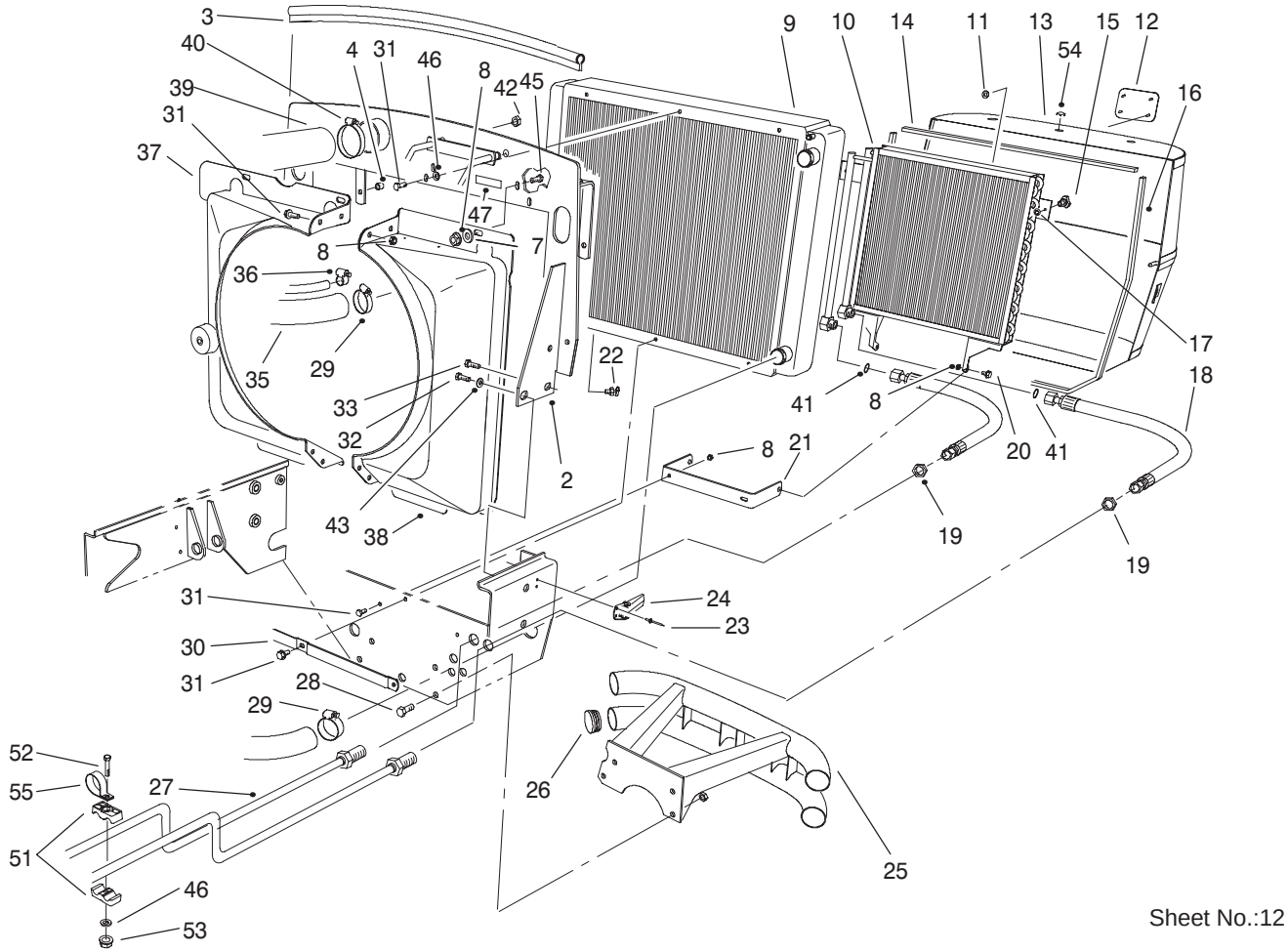


Sheet No.:12

Radiator and Shroud Assembly

Ref. No.	Part No.	Qty.	Description
2	92–7388–03	1	Support–Radiator
3	93–7553	1	Seal – Hood
4	32148–10	2	Nut–Insert
7	3256–56	3	Washer–Flat
8	32128–20	9	Nut–HF
9	74–3410	1	Radiator ASM
10	82–3740	1	Cooler–Oil
11	94–2638	4	Nut–Tinnerman
12	93–6028	1	Plate – Logo, Toro
13	92–7505–03	1	Screen
14	92–7631	1	Seal – Screen
15	77–3620	2	Knob
16	93–4208	1	Seal – Strip Screen
17	32151–72	2	Ring–Retaining
18	92–7535	2	Hose ASM
19	340–74	2	Locknut–Bulkhead
20	37–8771	2	Bolt–Shoulder
21	92–7516–03	1	Bracket–Support, Cooler Base
22	304–46	1	Draincock
23	3269–4	4	Rivet–Pop
24	69–3020	2	Latch–Camloc
25	100–3776–03	1	Bumper–Short (Only On: 03803)
25	100–3758–03	1	Bumper (Only On: 03804)

Ref. No.	Part No.	Qty.	Description
26	2410–42	2	Cap–End (Only On: 03803)
26	2410–42	4	Cap–End (Only On: 03804)
27	92–7558	1	Right Rear Cooler Tube ASM
28	325–6	4	Screw–HH
29	2412–3	2	Hose Clamp
30	92–7416–03	1	Strap – Radiator
31	3234–5	10	Screw–HHF
32	33118–025	2	Screw–HH
33	3234–18	2	Capscrew
35	93–4215	1	Hose–Radiator, Upper Rear
36	2412–36	1	Clamp–Hose
37	92–7374	1	Shroud – Fan, RH
38	92–7375	1	Shroud – Fan, LH
39	93–7584	1	Hose – Intake
40	2412–125	1	Clamp – Hose
41	237–65	2	O–Ring
42	3296–23	2	Nut–Lock, NI
43	3256–27	2	Washer–Flat
45	3230–2	3	Screw–CARR
46	3256–23	4	Washer–Flat
47	93–6681	1	Decal–Warning, Fan
51	94–8105	2	Clamp – Tube

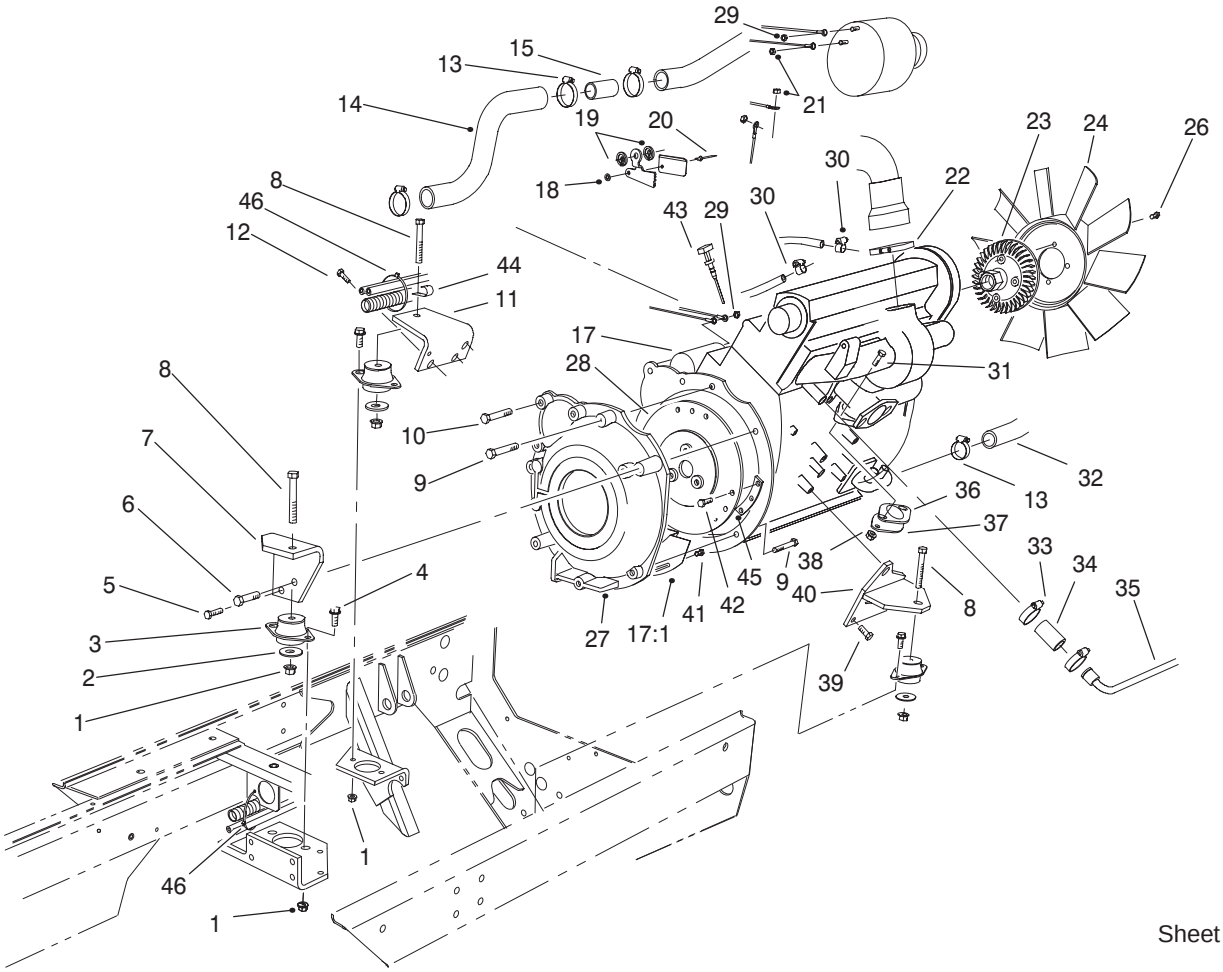


Sheet No.:12

Radiator and Shroud Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
52	322–9	1	Screw–HH
53	3296–47	1	Nut–Lock, NI
54	2410–64	3	Plug–Button
55	2412–147	1	Clamp
*	77–4280	8	Anti Freeze (Only On: 03803)

Ref. No.	Part No.	Qty.	Description

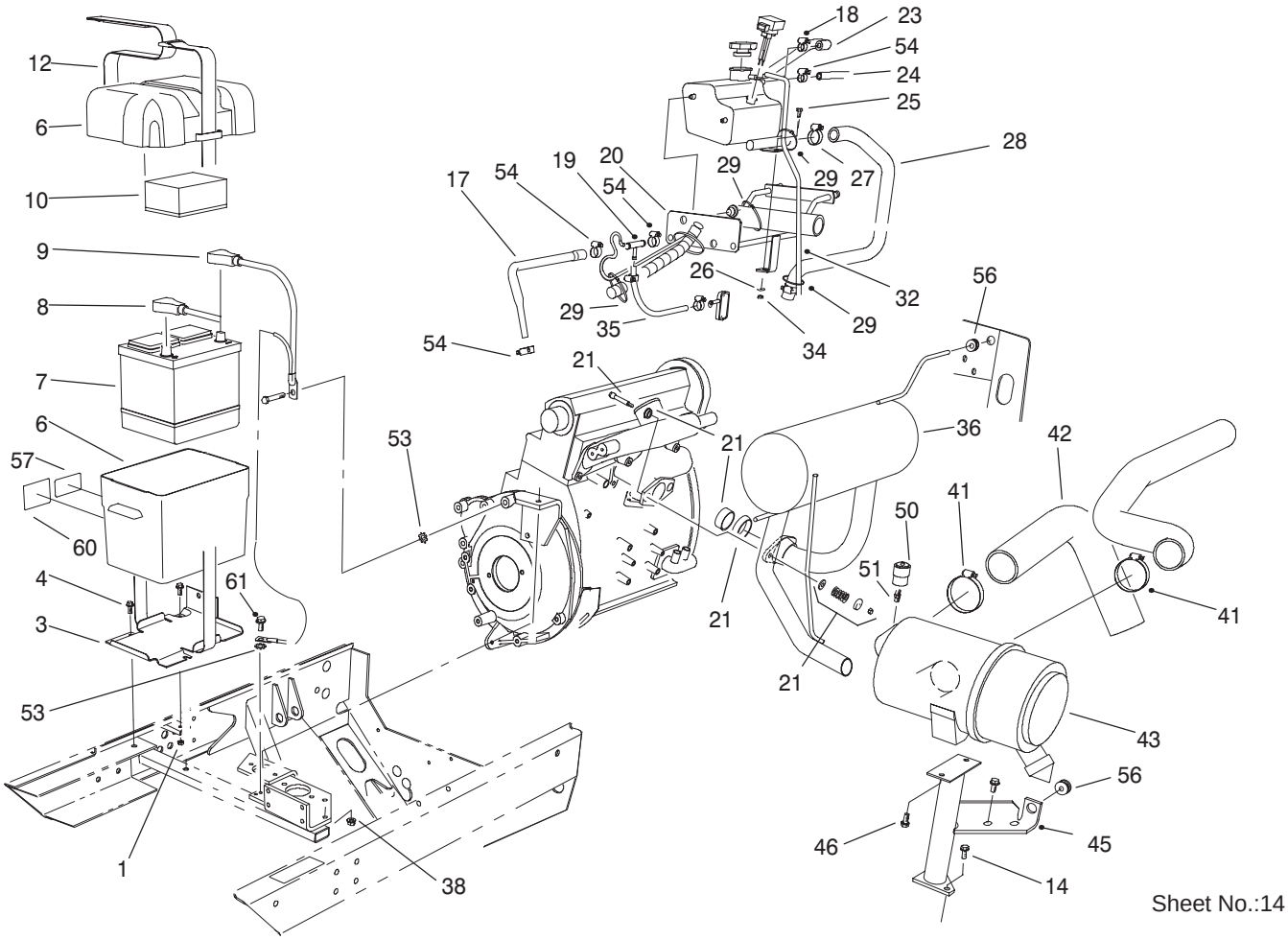


Sheet No.:13

Engine Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	33005–00	9	Nut–Hex Flange
2	87–5100	3	Washer – Snubbing
3	53–9681	3	Mount–Engine
4	33105–030	6	Screw–HHF
5	33115–030	1	Screw–HH
6	48–7840	1	Bolt
7	92–7425–03	1	Support–Engine Mount
8	33105–070	3	Screw–HHF
9	48–7570	3	Bolt–HH
10	48–7810	3	Screw
11	92–7429–03	1	Mount–Motor, RH
12	33114–020	4	Screw–HH
13	2412–3	4	Hose Clamp
14	94–1418	1	Hose–Radiator, Upper
15	93–7594	1	Spacer
17	100–3794	1	Engine ASM
17:1	77–3600	1	Shield–Adapter
18	3256–49	1	Washer–Flat
19	86–2990	2	Mount–Throttle Cable
20	3290–282	1	Rivet–Pop, Steel
21	48–7880	3	Nut
22	2412–125	1	Clamp – Hose
23	92–7466	1	Clutch – Fan
24	74–3650	1	Fan
26	33104–016	4	Screw–HHF

Ref. No.	Part No.	Qty.	Description
27	82–5120–03	1	Adapter Plate
28	94–1421	1	Coupling–Center Spring
29	33104–00	2	Nut–Jam
30	2412–108	2	Clamp–Worm
31	33104–020	2	Screw–HHF
32	92–7463	1	Hose–Radiator, Lower
33	2412–129	4	Clamp–Hose
34	74–6490	2	Hose –Water Line
35	92–7381	1	Tube – Water Return
36	77–3700	1	Gasket–Exhaust Muffler
37	92–7382–03	1	Cover
38	33004–00	2	Nut–HF
39	33115–025	3	Screw–HH
40	92–7426–03	1	Mount–Motor, LH
41	33113–012	3	Screw–HH
42	33114–016	6	Screw–HH
43	93–9176	1	Dipstick
44	2412–150	1	J–Clip
45	94–1422	3	Spacer – Coupling
46	3290–378	1	Tie–Cable



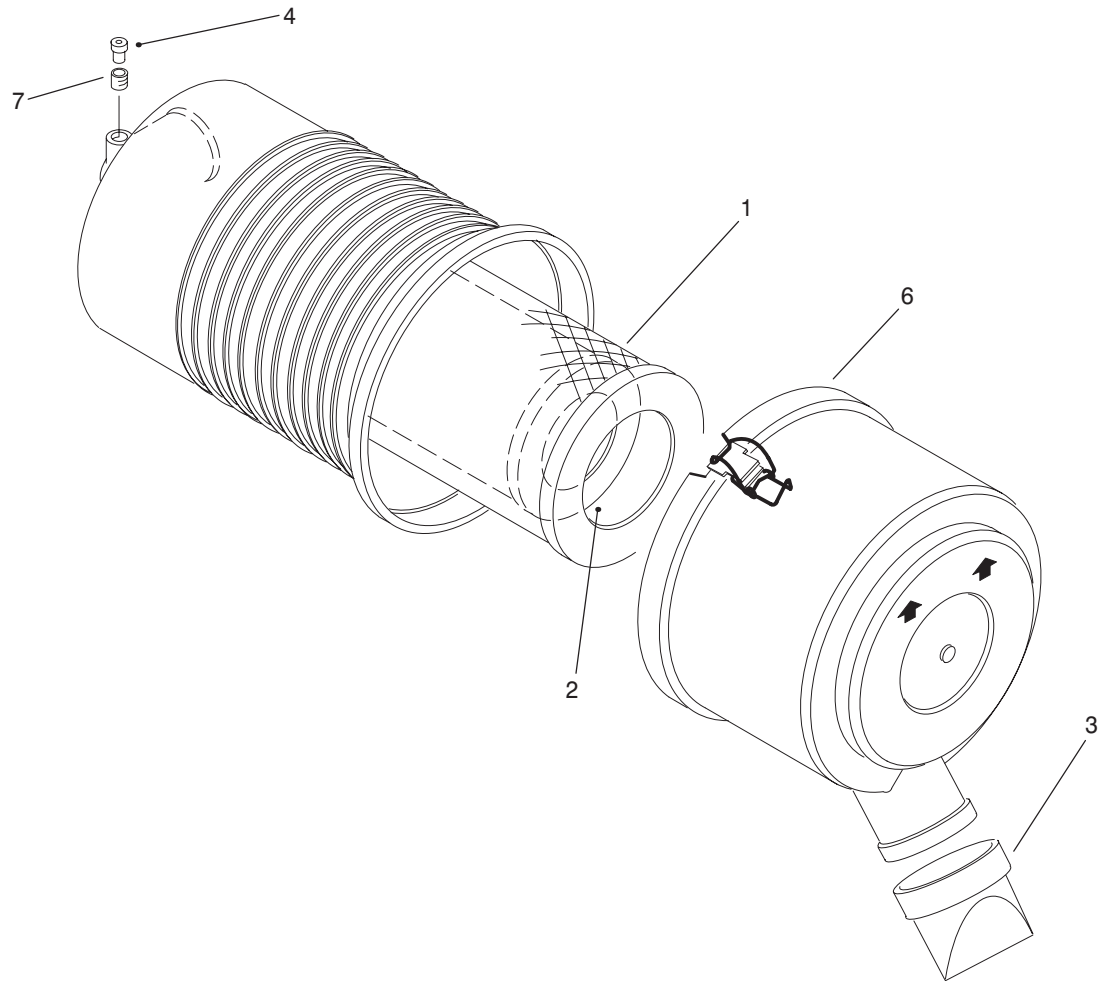
Sheet No.:14

Engine Components Assembly

Ref. No.	Part No.	Qty.	Description
1	3296–29	1	Nut–Lock, NI
3	93–7974–03	1	Plate – Battery Box
4	3234–5	3	Screw–HHF
6	93–7595	1	Box–Battery
7	93–3220	1	Battery
8	75–1370	1	Cable–Battery, Positive
9	94–1411	1	Cable – Battery
10	93–7968	1	Pad – Foam
12	94–1445	1	Strap – Battery
14	33105–030	2	Screw–HHF
17	94–2630	1	Hose – Return
18	2412–108	3	Clamp–Worm (Only On: 03804)
19	93–4207	1	Fitting – Hose Tee
20	94–1408–03	1	Support–Degass
†21	94–2814	1	Kit – Exhaust Coupler
23	93–7591	1	Hose – Return
24	92–7424	1	Hose – Radiator Overflow
25	33103–020	1	Screw–HHF
26	33093–00	1	Washer–Flat
27	2412–129	2	Clamp–Hose
28	93–7589	1	Hose – Overflow
29	3290–378	4	Tie–Cable
32	55–4130	1	Hose–Fuel Line

Ref. No.	Part No.	Qty.	Description
34	33023–00	1	Nut–Lock NI
35	63–7622	1	Hose–Fuel
36	93–9178	1	Muffler ASM
38	33005–00	2	Nut–Hex Flange
41	2412–125	2	Clamp – Hose
42	94–2624	1	Hose – Manifold
43	93–7485	1	Air Filter ASM
45	94–8108–03	1	Support–Air Filter
46	33104–016	2	Screw–HHF
50	93–9164	1	Indicator – Mini
51	94–1416	1	Indicator Adapter ASM
53	3255–9	2	Washer–Lock/Ext
54	2412–36	4	Clamp–Hose
56	94–2812	2	Grommet
57	93–6668	1	Decal – Battery
60	93–7276	1	Decal – Danger
61	32144–11	1	Screw–TAP

† Furnished with Engine

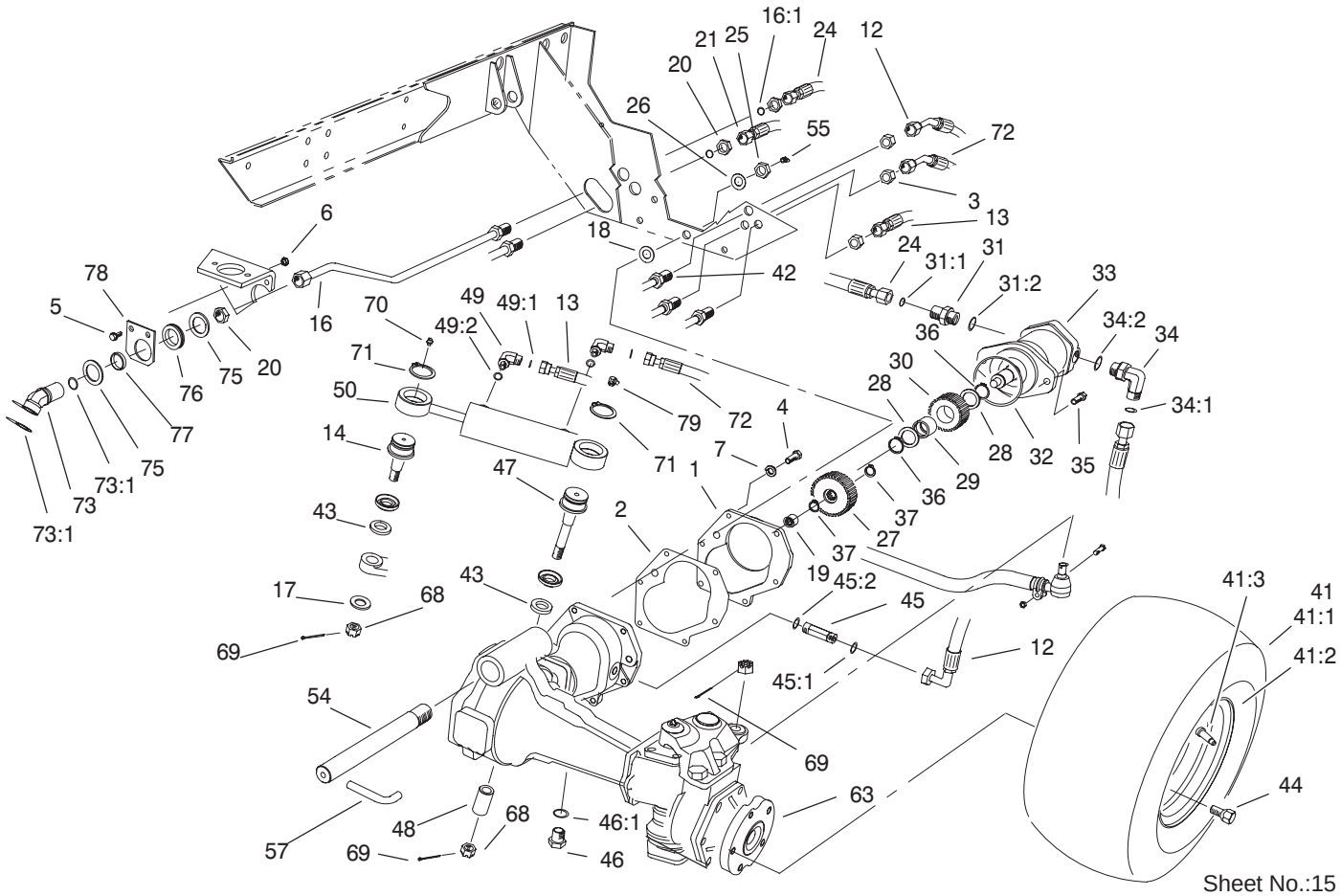


Sheet No.:B2
T–3495

Air Cleaner Assembly # 93–7485

Ref. No.	Part No.	Qty.	Description
1	93–9162	1	Filter – Primary
2	93–9163	1	Filter – Secondary
3	94–1414	1	Valve – Vacuator
4	93–9164	1	Indicator – Mini
6	93–5986	1	Cover ASM
7	94–1416	1	Indicator Adapter ASM

Ref. No.	Part No.	Qty.	Description

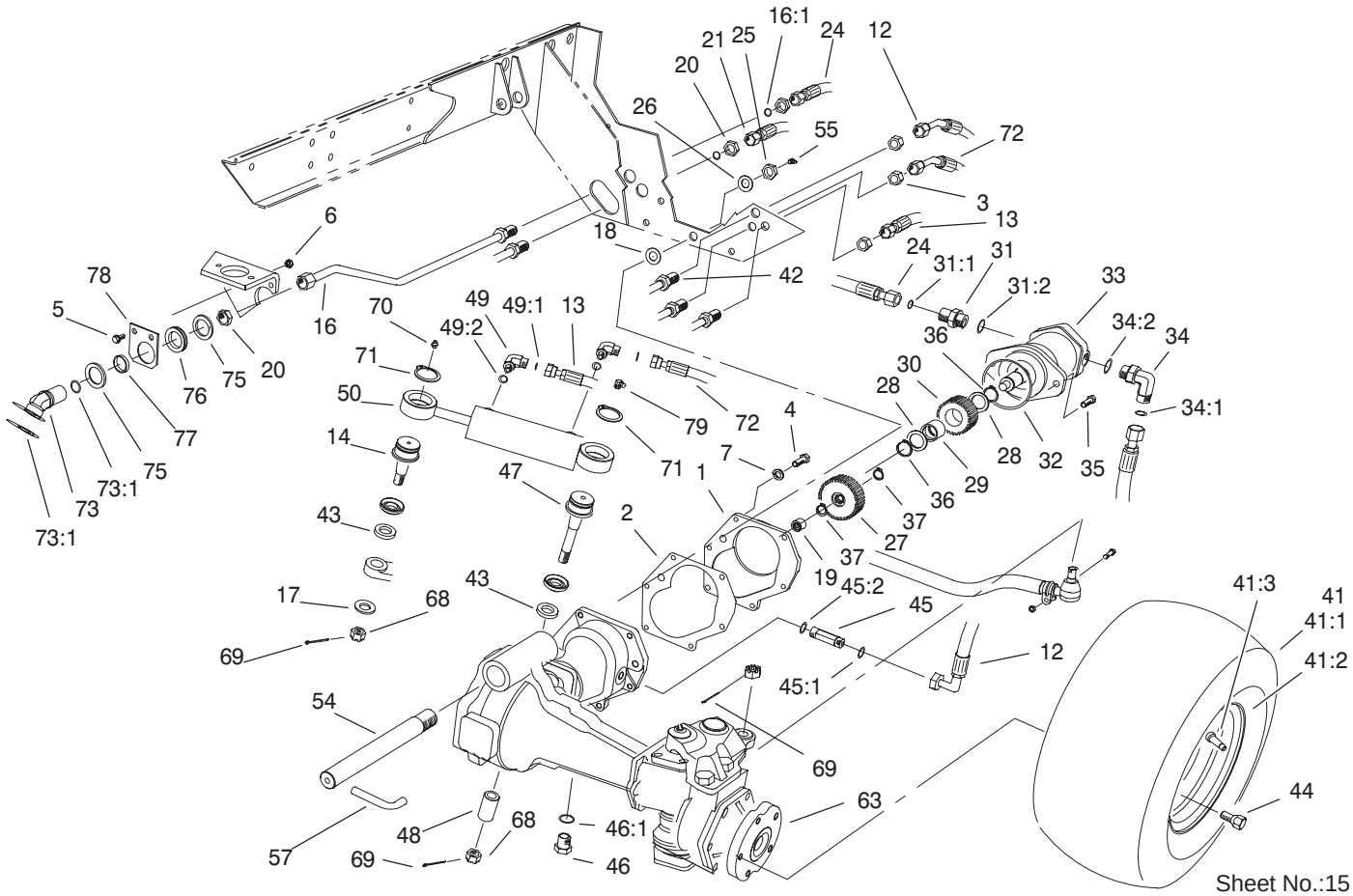


Sheet No.:15

4WD – Rear Axle Assembly (Model # 03804)

Ref. No.	Part No.	Qty.	Description
1	95–7541	1	Plate–Cover (Only On: 03804)
2	95–7540	1	Gasket (Only On: 03804)
3	340–70	3	Locknut–Bulkhead (Only On: 03804)
4	33114–025	6	Screw–HH (Only On: 03804)
5	323–6	2	Screw–HH (Only On: 03804)
6	32128–21	2	Nut–HF (Only On: 03804)
7	3253–4	6	Washer (Only On: 03804)
12	92–7534	1	Hose ASM (Only On: 03804)
13	92–7538	1	Hose ASM (Only On: 03804)
14	92–5838–01	1	Ball Joint (Only On: 03804)
16	92–7472	1	Rear Tube ASM (Only On: 03804)
16:1	237–58	1	O–Ring (Only On: 03804)
17	92–5836	1	Washer – Axle (Only On: 03804)

Ref. No.	Part No.	Qty.	Description
18	98–3867	2	Washer – Thrust (Only On: 03804)
19	74–5700	1	Bearing–Needle, Roller (Only On: 03804)
20	340–126	3	Nut–Bulkhead (Only On: 03804)
21	92–7537	1	Hose ASM (Only On: 03804)
24	92–7536	1	Hose ASM (Only On: 03804)
25	3296–68	1	Nut–Lock NI (Only On: 03804)
26	92–1765	1	Washer – Thrust (Only On: 03804)
27	100–3774	1	Gear–Driven,10 Pitch (Only On: 03804)
28	71–4590	2	Washer–Thrust (Only On: 03804)
29	71–4580	1	Bearing (Only On: 03804)
30	100–3775	1	Gear–Driver,10 Pitch (Only On: 03804)
31	340–9	1	Fitting–Straight (Only On: 03804)

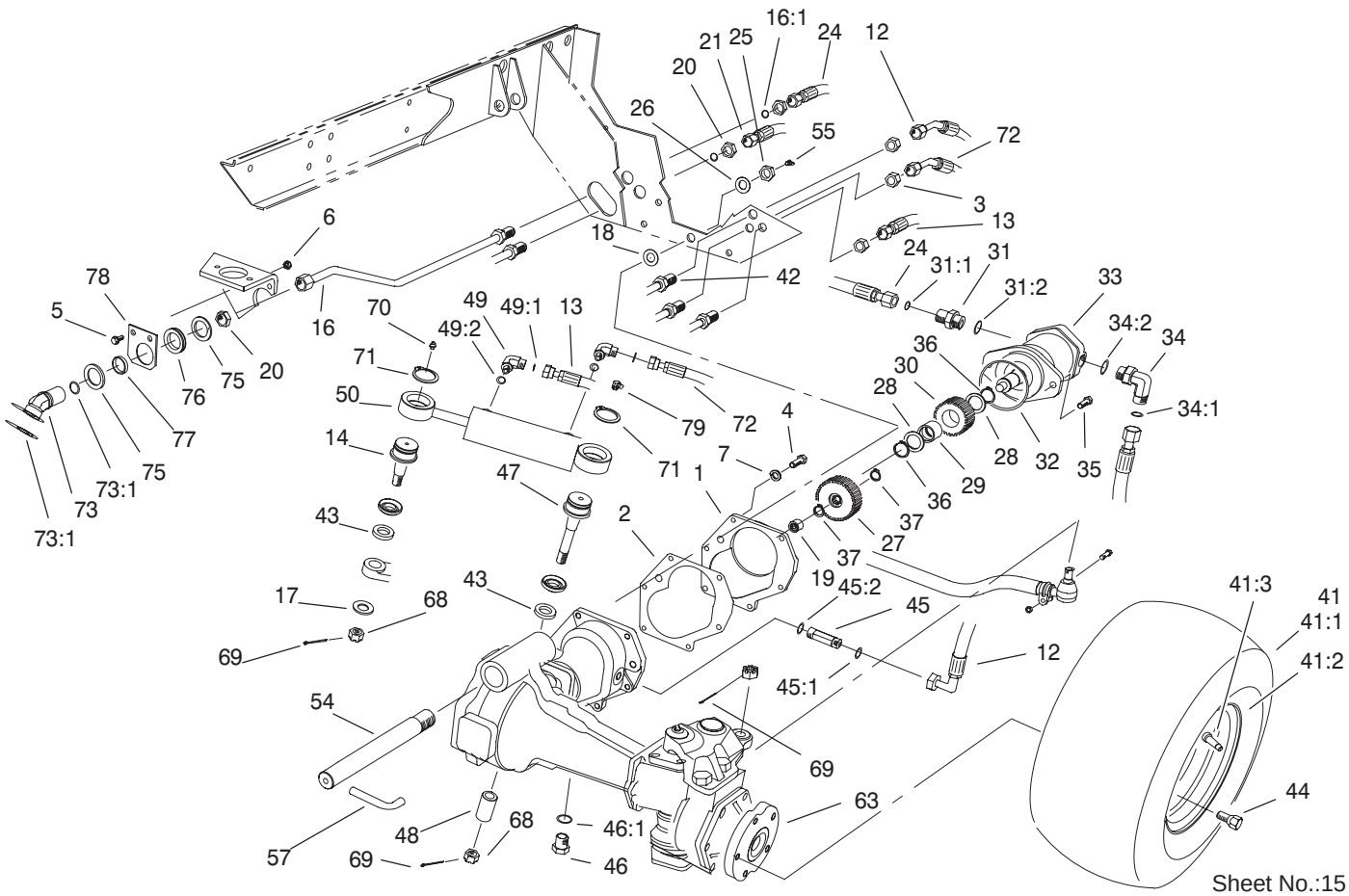


4WD – Rear Axle Assembly (Model # 03804–Continued)

Ref. No.	Part No.	Qty.	Description
31:1	237–58	1	O–Ring (Only On: 03804)
31:2	237–81	1	O–Ring (Only On: 03804)
32	237–166	1	O–Ring (Only On: 03804)
33	92–7386	1	Motor–Hydraulic (Only On: 03804)
34	340–142	1	Elbow–90° (Only On: 03804)
34:1	237–58	1	O–Ring (Only On: 03804)
34:2	237–81	1	O–Ring (Only On: 03804)
35	325–4	2	Screw–HH (Only On: 03804)
36	32151–96	2	Ring–Retaining (Only On: 03804)
37	32120–15	2	Ring–Snap, Ext. (Only On: 03804)
41	86–2820	2	Tire & Wheel ASM (Only On: 03804)
41:1	86–5910	1	Tire (Only On: 03804)
41:2	100–2582	1	Rim (Only On: 03804)
41:3	232–27	1	Stem–Valve (Only On: 03804)

Ref. No.	Part No.	Qty.	Description
42	92–7553	1	Tube – Rear Drain (Only On: 03804)
*42:1	237–22	1	O–Ring (Only On: 03804)
43	92–5833	2	Spacer – Ball Joint (Only On: 03804)
44	74–5500	10	Bolt – Wheel (Only On: 03804)
45	340–2	1	Adapter (Only On: 03804)
45:1	237–22	1	O–Ring (Only On: 03804)
45:2	237–42	1	O–Ring (Only On: 03804)
46	353–989	1	Plug–Hollow Hex (Only On: 03804)
46:1	237–42	1	O–Ring (Only On: 03804)
47	100–3795	1	Ball Joint (Only On: 03804)
48	100–3796	1	Spacer–Ball Joint (Only On: 03804)
49	340–97	2	Fitting–90° (Only On: 03804)
49:1	237–22	1	O–Ring (Only On: 03804)

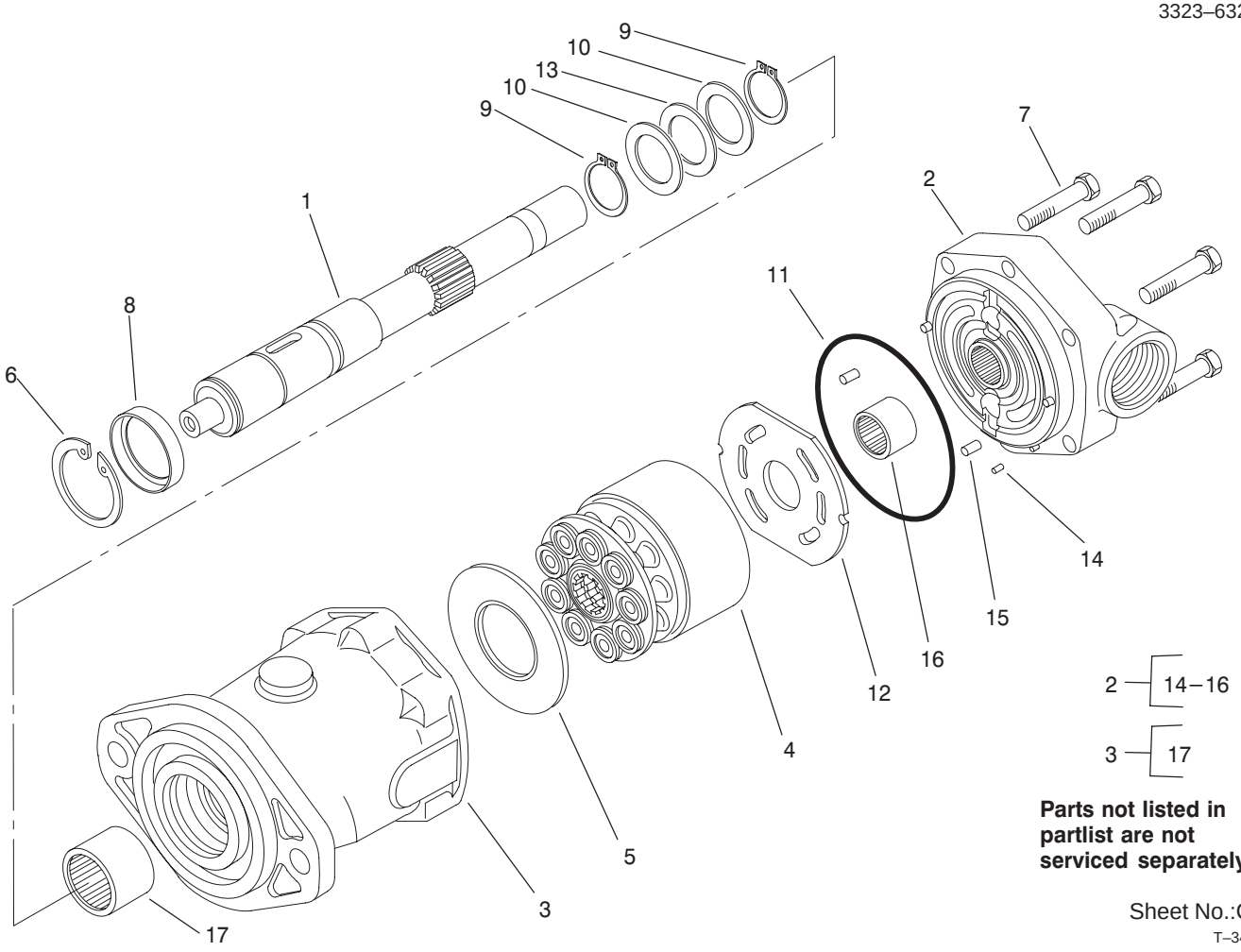
* Not illustrated



4WD – Rear Axle Assembly (Model # 03804–Continued)

Ref. No.	Part No.	Qty.	Description
49:2	237–78	1	O–Ring (Only On: 03804)
50	98–3806	1	Hyd. Cylinder ASM (Only On: 03804)
54	100–3770	1	Pin–Axle, Pivot (Only On: 03804)
55	302–33	1	Fitting–Grease (Only On: 03804)
57	100–3771	1	Pin–Stop (Only On: 03804)
63	100–3784	1	Drive Axle ASM (Only On: 03804)
68	32136–14	2	Nut–Hex Slotted (Only On: 03804)
69	3272–12	4	Pin–Cotter (Only On: 03804)
70	302–5	1	Fitting–Lube (Only On: 03804)
71	94–9973	2	Ring – Retaining (Only On: 03804)
72	92–7539	1	Hose ASM (Only On: 03804)
73	92–7646	1	Elbow–Bulkhead, 45° (Only On: 03804)
73:1	237–58	2	O–Ring (Only On: 03804)

Ref. No.	Part No.	Qty.	Description
75	69–8910	2	Washer (Only On: 03804)
76	240–7	1	Grommet–Rubber (Only On: 03804)
77	69–8900	1	Spacer (Only On: 03804)
78	92–7552–03	1	Bracket – Bulkhead (Only On: 03804)
79	302–60	1	Fitting–Lube (Only On: 03804)



Parts not listed in partlist are not serviced separately.

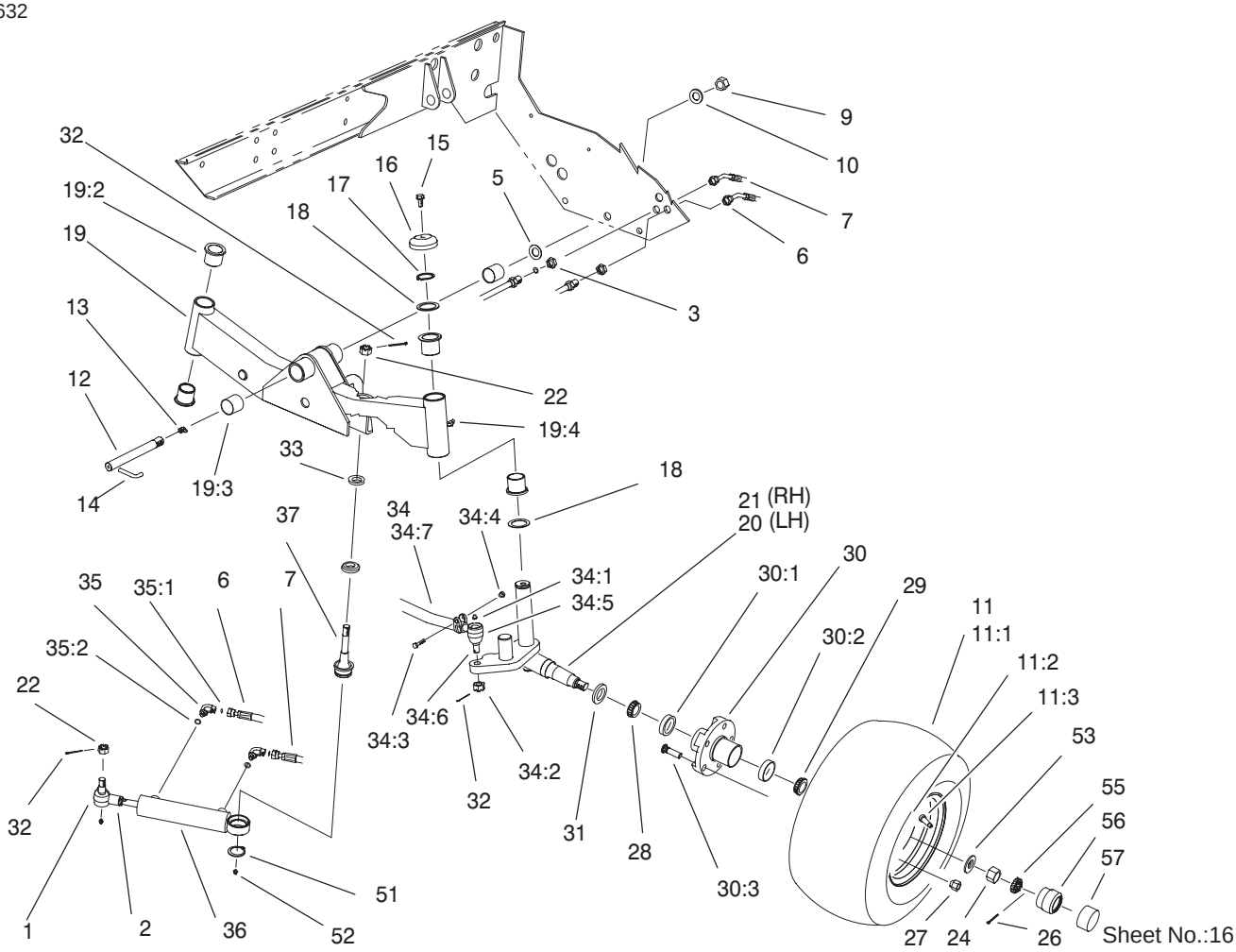
Sheet No.:C1

T–3496

Hydraulic Motor Assembly # 92–7386

Ref. No.	Part No.	Qty.	Description
1	76–6930	1	Shaft–Drive (Only On: 03804)
2	94–3000	1	Backplate ASM (Only On: 03804)
3	94–3001	1	Housing ASM (Only On: 03804)
4	76–6910	1	Rotating Kit ASM (Only On: 03804)
5	76–6970	1	Insert–Cam Plate (Only On: 03804)
6	76–7010	1	Ring–Retaining (Only On: 03804)
7	94–3002	6	Capscrew (Only On: 03804)
8	76–7020	1	Spacer (Only On: 03804)
9	76–7000	2	Ring–Retaining (Only On: 03804)
10	76–6950	2	Thrust Race (Only On: 03804)
11	76–6980	1	O–Ring (Only On: 03804)
12	94–3003	1	Plate – Valve (Only On: 03804)
13	76–6960	1	Bearing–Thrust (Only On: 03804)

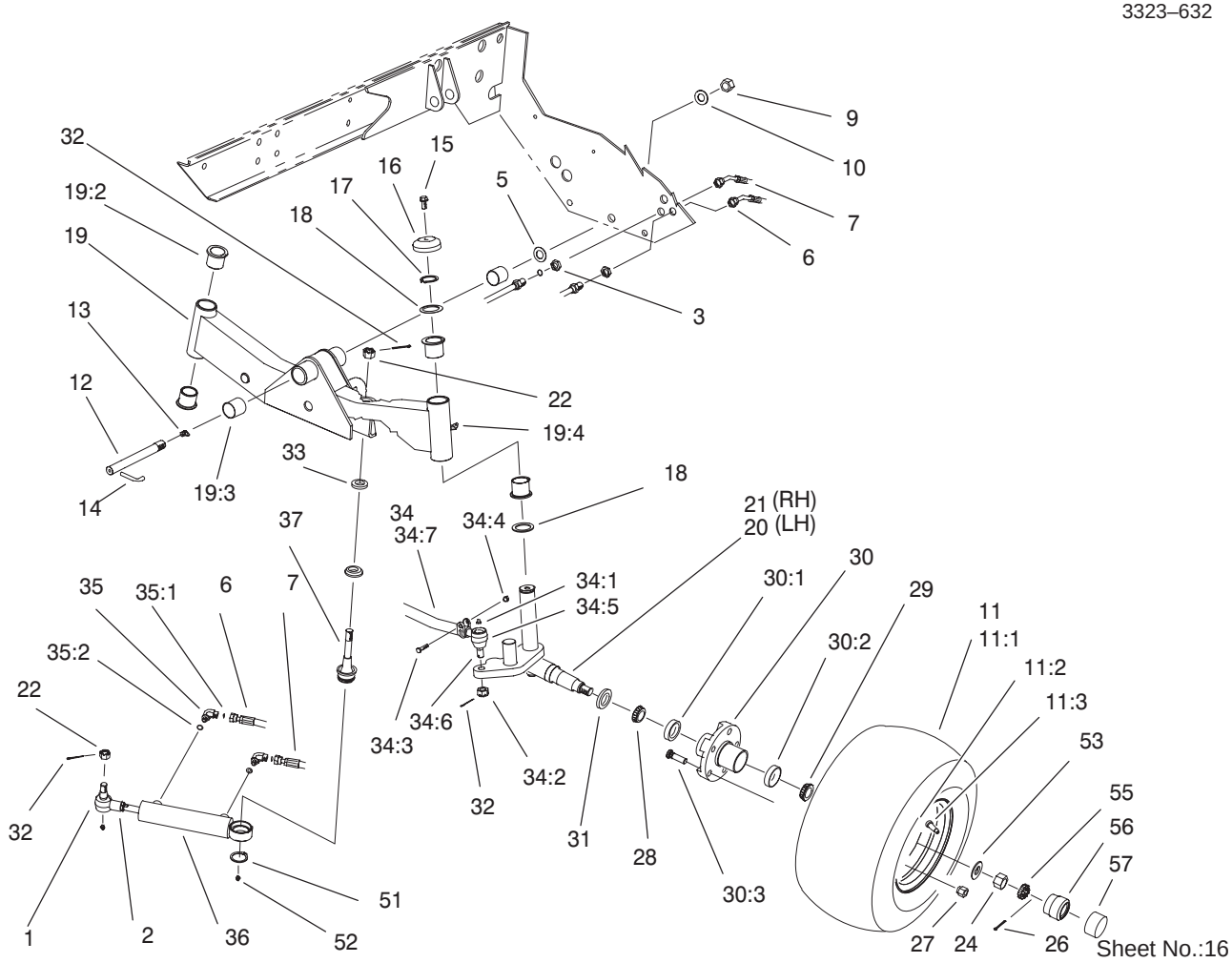
Ref. No.	Part No.	Qty.	Description



2WD – Rear Axle Assembly (Model # 03803)

Ref. No.	Part No.	Qty.	Description
1	92–5837	1	Rod End ASM (Only On: 03803)
2	3220–11	1	Nut (Only On: 03803)
3	340–70	2	Locknut–Bulkhead (Only On: 03803)
5	98–3867	2	Washer – Thrust (Only On: 03803)
6	92–7595	1	Hose ASM (Only On: 03803)
7	92–7594	1	Hose ASM (Only On: 03803)
9	3296–68	1	Nut–Lock NI (Only On: 03803)
10	92–1765	1	Washer – Thrust (Only On: 03803)
11		2	Tire & Wheel ASM (Only On: 03803)
11:1	86–5910	1	Tire (Only On: 03803)
11:2	100–2582	1	Rim (Only On: 03803)
11:3	232–27	1	Stem–Valve (Only On: 03803)
12	100–3770	1	Pin–Axle, Pivot (Only On: 03803)
13	302–33	1	Fitting–Grease (Only On: 03803)

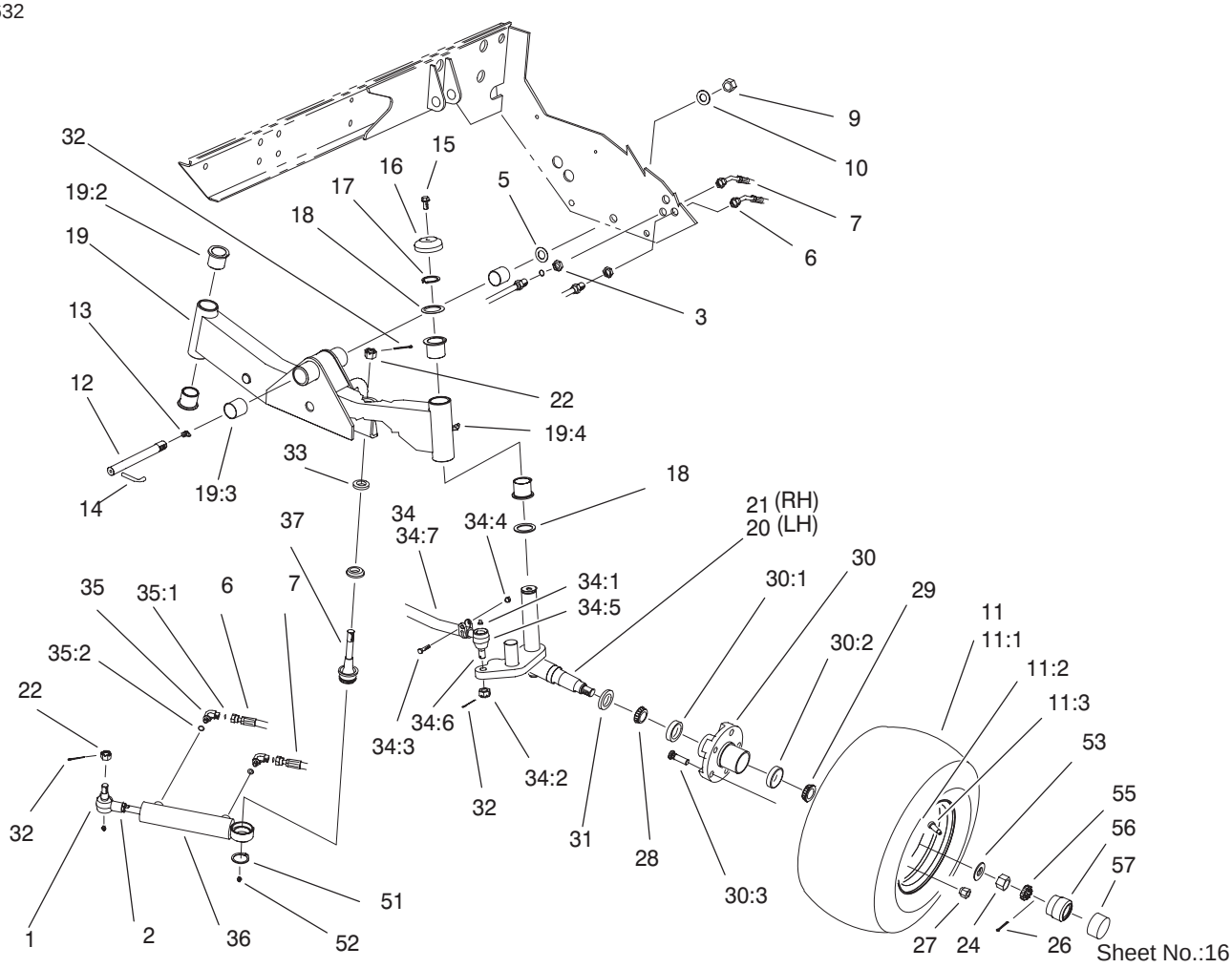
Ref. No.	Part No.	Qty.	Description
14	100–3771	1	Pin–Stop (Only On: 03803)
15	3234–12	2	Screw–HHF (Only On: 03803)
16	69–8890	2	Cap–Spindle (Only On: 03803)
17	32151–10	2	Ring–Snap (Only On: 03803)
18	62–2170	4	Washer–Thrust (Only On: 03803)
19	100–3785–03	1	Rear Axle ASM (Only On: 03803)
19:2	69–6470	4	Castor Bushing (Only On: 03803)
19:3	99–6964	2	Bushing–Axle (Only On: 03803)
19:4	302–11	2	Fitting–Lube, 45° (Only On: 03803)
20	92–9725–03	1	Spindle–LH (Only On: 03803)
21	92–9724	1	Spindle–RH (Only On: 03803)
22	32136–14	2	Nut–Hex Slotted (Only On: 03803)



2WD – Rear Axle Assembly (Model # 03803–Continued)

Ref. No.	Part No.	Qty.	Description
24	3220–7	2	Nut–Jam (Only On: 03803)
26	3272–13	2	Pin–Cotter (Only On: 03803)
27	242–50	10	Nut–Lug (Only On: 03803)
28	254–106	2	Bearing–Taper/Cone (Only On: 03803)
29	254–92	2	Cone–Outer Bearing (Only On: 03803)
30	92–9651	2	Hub Sub ASM (Only On: 03803)
30:1	254–107	1	Bearing–Taper/Cup (Only On: 03803)
30:2	254–72	1	Bearing–Taper/Cup (Only On: 03803)
30:3	92–9652	5	Stud – Bolt (Only On: 03803)
31	69–2980	2	Seal (Only On: 03803)
32	3272–12	4	Pin–Cotter (Only On: 03803)
33	92–5833	1	Spacer – Ball Joint (Only On: 03803)
34	98–8839	1	Tie Rod ASM (Only On: 03803)
34:1	302–55	2	Zerk (Only On: 03803)

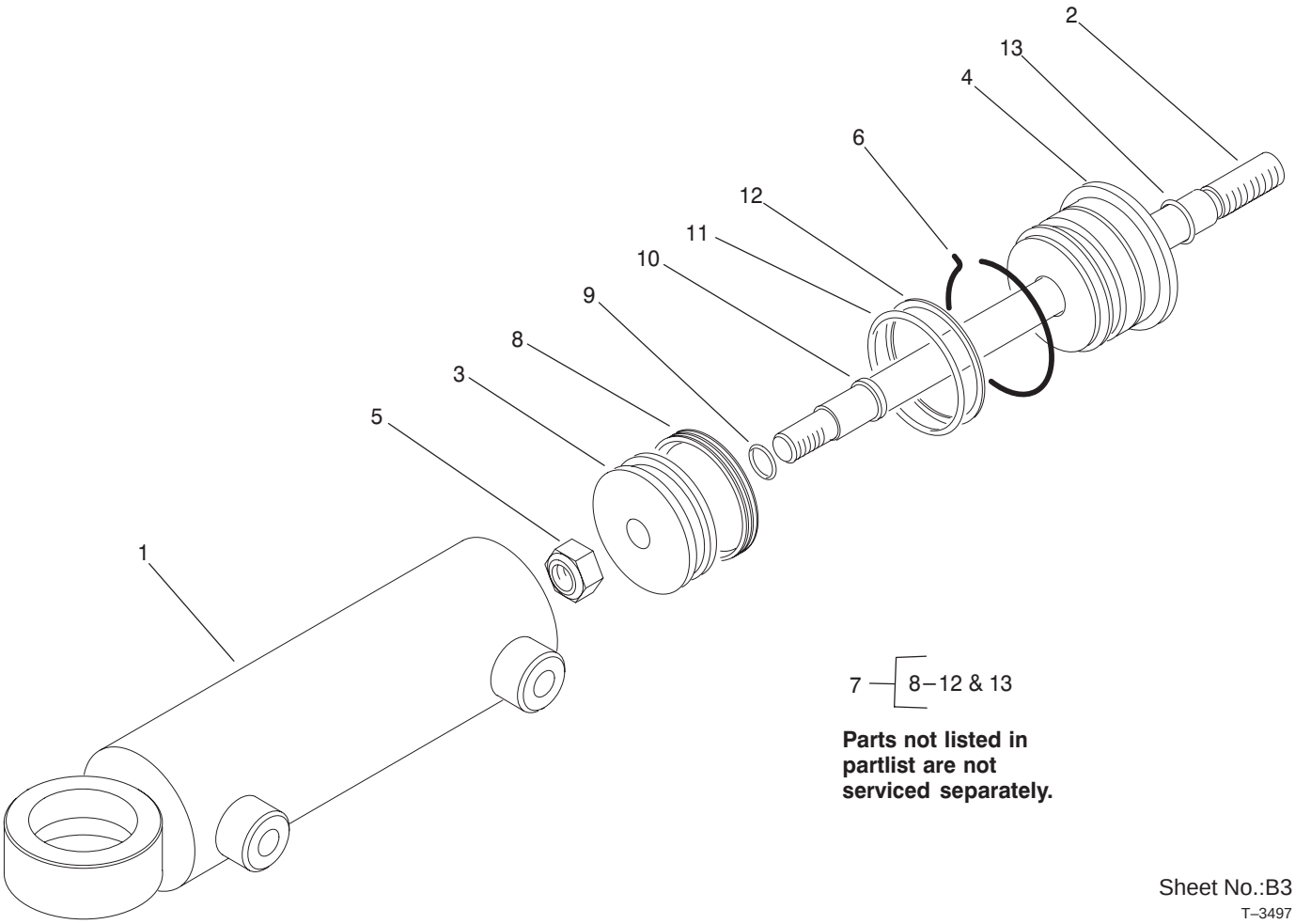
Ref. No.	Part No.	Qty.	Description
34:2	32136–13	2	Nut–Hex, Slotted (Only On: 03803)
34:3	323–9	2	Screw–HH (Only On: 03803)
34:4	3296–39	2	Nut–Lock, NI (Only On: 03803)
34:5	71–4740	2	End–Tie Rod, RH (Only On: 03803)
34:6	71–4760	2	Seal (Only On: 03803)
34:7	98–8840	1	Tube & Clamp ASM (Only On: 03803)
35	340–97	2	Fitting–90° (Only On: 03803)
35:1	237–22	1	O–Ring (Only On: 03803)
35:2	237–78	1	O–Ring (Only On: 03803)
36	94–8142	1	Hyd Cylinder ASM (Only On: 03803)
37	92–5839	1	Ball Joint (Only On: 03803)
51	94–9973	1	Ring – Retaining (Only On: 03803)
52	302–5	1	Fitting–Lube (Only On: 03803)



2WD – Rear Axle Assembly (Model # 03803–Continued)

Ref. No.	Part No.	Qty.	Description
53	93–0309	2	Washer – Tab (Only On: 03803)
55	93–0307	2	Nut Retainer–Lock (Only On: 03803)
56	100–3769	2	Buddy–Bearing (Only On: 03803)
57	100–3809	2	Cap–Bearing Protector (Only On: 03803)

Ref. No.	Part No.	Qty.	Description



Parts not listed in partlist are not serviced separately.

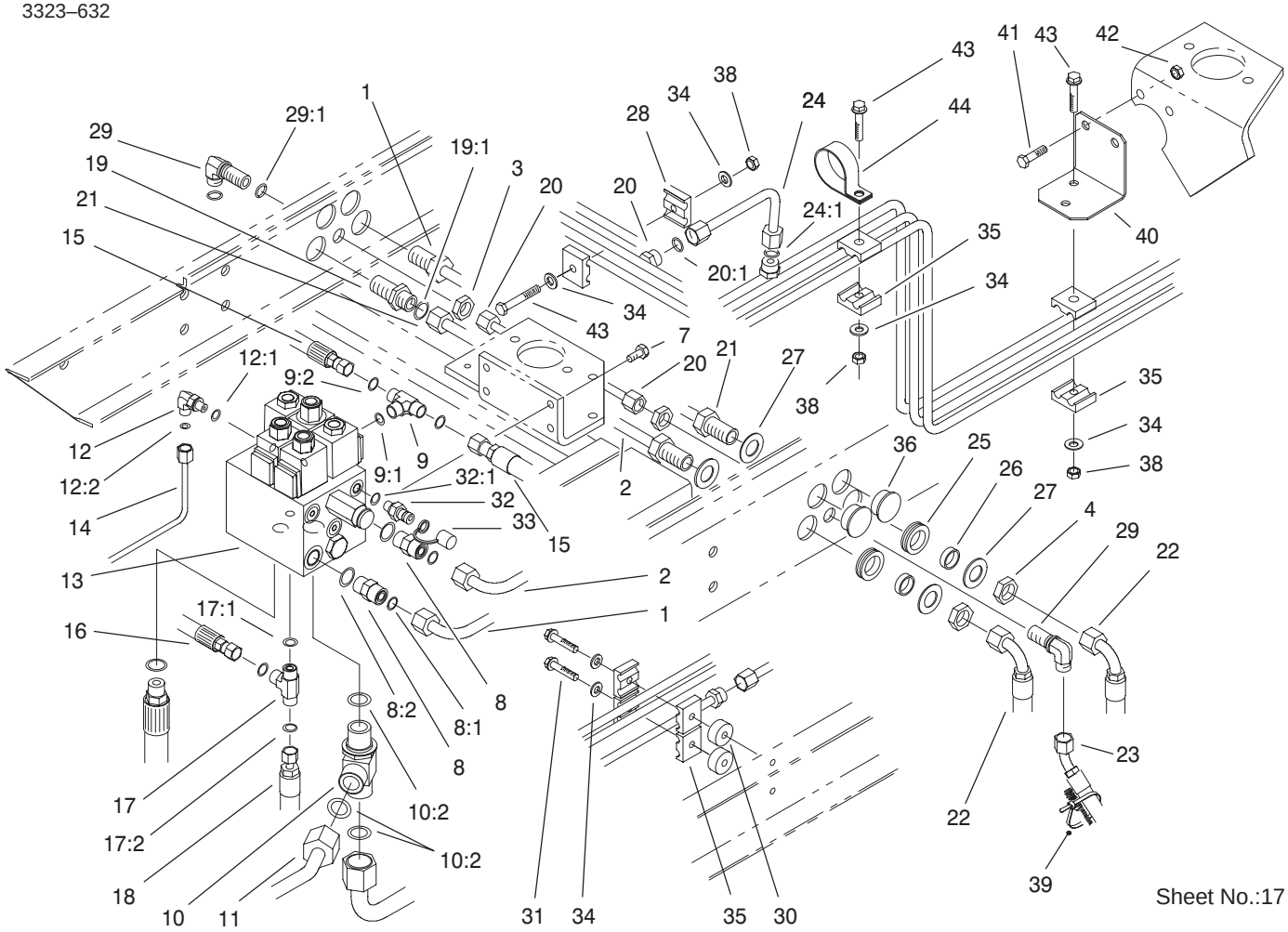
Sheet No.:B3

T–3497

Hydraulic Cylinder Assembly # 94–8142

Ref. No.	Part No.	Qty.	Description
1	94–9959	1	Barrel ASM (Only On: 03803)
2	94–9960	1	Piston Rod ASM (Only On: 03803)
3	94–9961	1	Piston (Only On: 03803)
4	94–9962	1	Gland – Cylinder (Only On: 03803)
5	32152–10	1	Locknut–Deform, Top (Only On: 03803)
6	94–9963	1	Ring–Retaining (Only On: 03803)
7	94–9964	1	Kit – Seal Repair (Only On: 03803)

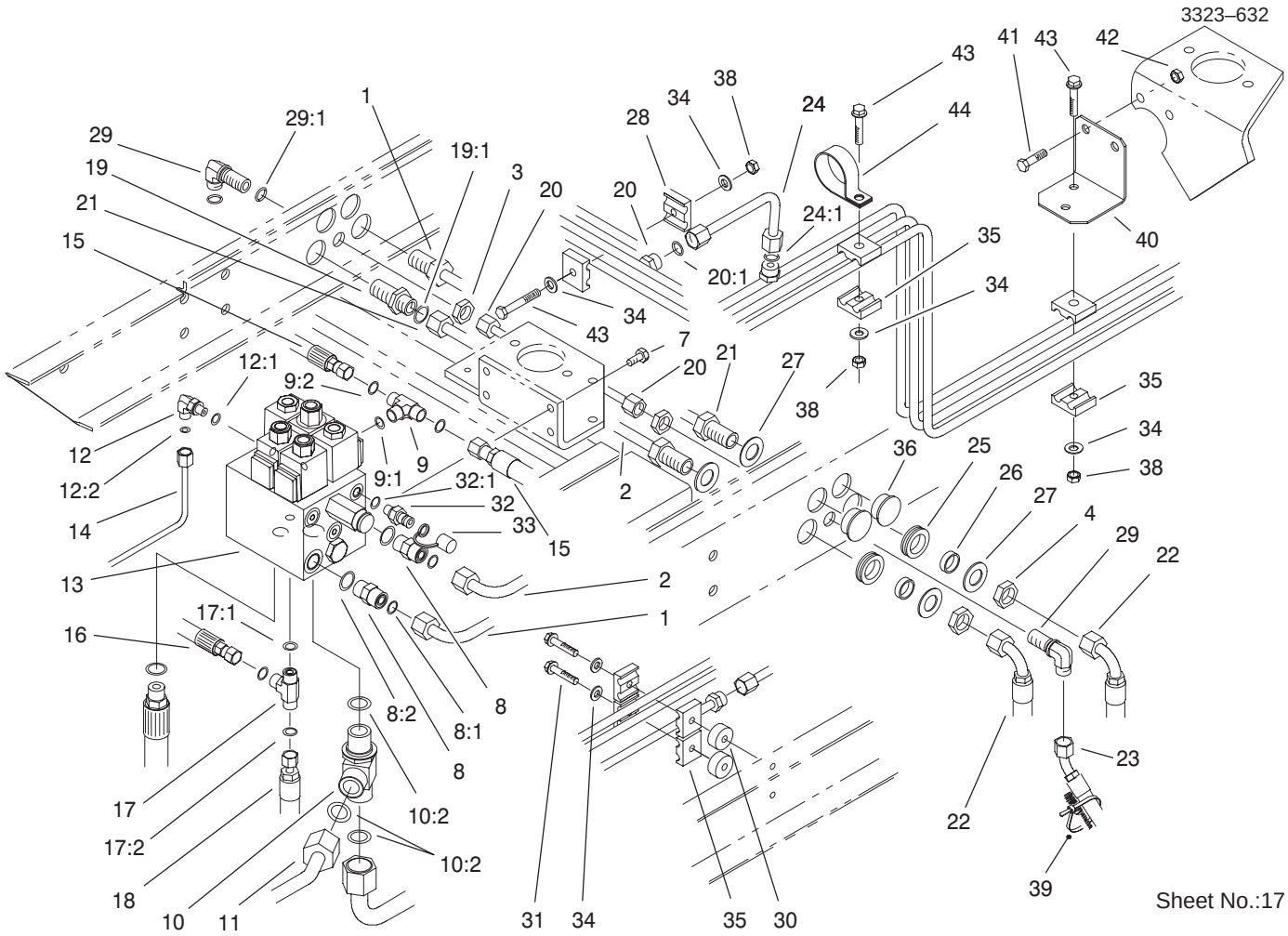
Ref. No.	Part No.	Qty.	Description



Rear Hydraulic Control Block and Tube Assembly

Ref. No.	Part No.	Qty.	Description
1	92–7584	1	Tube ASM
2	92–7585	1	Tube ASM
3	340–70	2	Locknut–Bulkhead
4	340–127	4	Nut–Bulkhead
7	33104–025	4	Screw–HHF
8	340–4	2	Adapter
8:1	237–30	1	O–Ring
8:2	237–79	1	O–Ring
9	340–125	1	Adapter
9:1	237–21	2	O–Ring
9:2	237–78	1	O–Ring
10	340–148	1	Fitting
10:1	237–81	1	O–Ring
10:2	237–58	2	O–Ring
11	92–7557	1	Front Cooler Tube ASM
12	340–132	1	Elbow–90°
12:1	237–78	1	O–Ring
12:2	237–21	1	O–Ring
13	100–3797	1	Rear Manifold Block ASM
14	92–7591	1	Tube ASM
15	92–7638	2	Hose ASM
16	100–3798	1	Hose ASM (Only On: 03803)
17	340–140	1	Adapter Tee

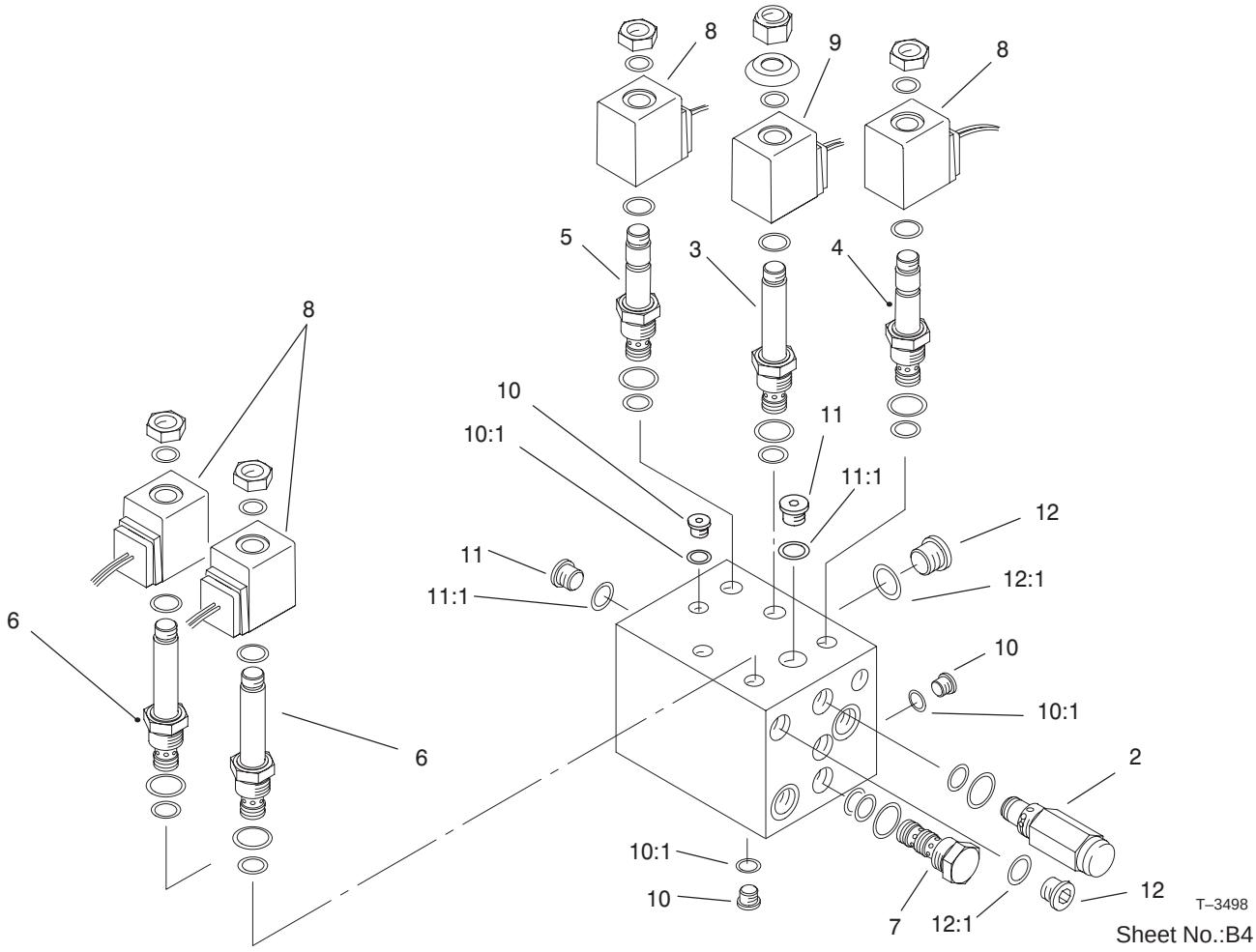
Ref. No.	Part No.	Qty.	Description
17:1	237–21	2	O–Ring
17:2	237–78	1	O–Ring
18	100–3833	1	Hose ASM
19	340–161	1	Fitting–Bulkhead
19:1	237–30	2	O–Ring
20	92–7647	1	Drain Tube ASM
20:1	237–22	1	O–Ring
21	92–7648	1	Tube ASM
22	99–5613	4	Hyd Hose ASM
23	99–5614	2	Hyd Hose ASM
24	93–4205	1	Drain Tube ASM (Only On: 03803)
24	93–4206	1	Drain Tube ASM (Only On: 03804)
25	240–5	4	Grommet
26	69–8960	4	Spacer
27	69–8930	8	Washer
28	56–7972	4	Tube Clamp
29	340–154	2	Bulkhead Union
29:1	237–22	2	O–Ring
30	80–8660	2	Spacer – Coupler
31	32104–37	2	Screw–HWH
32	354–77	1	Fitting–Quick
32:1	237–78	1	O–Ring
33	354–79	1	Cap – Fitting, Yellow



Rear Hydraulic Control Block and Tube Assembly (Cont.)

Ref. No.	Part No.	Qty.	Description
34	3256–23	8	Washer–Flat (Only On: 03803)
34	3256–23	9	Washer–Flat (Only On: 03804)
35	56–7973	10	Clamp–Tube (Only On: 03804)
35	56–7973	8	Clamp–Tube (Only On: 03803)
36	94–1402	4	Plug – Hole
38	3296–47	5	Nut–Lock, NI (Only On: 03804)
38	3296–47	4	Nut–Lock, NI (Only On: 03803)
39	3290–378	6	Tie–Cable
40	94–2834–03	1	Bracket – Clamp
41	323–6	2	Screw–HH
42	32128–21	2	Nut–HF
43	322–7	4	Screw–HH
44	2412–147	1	Clamp

Ref. No.	Part No.	Qty.	Description



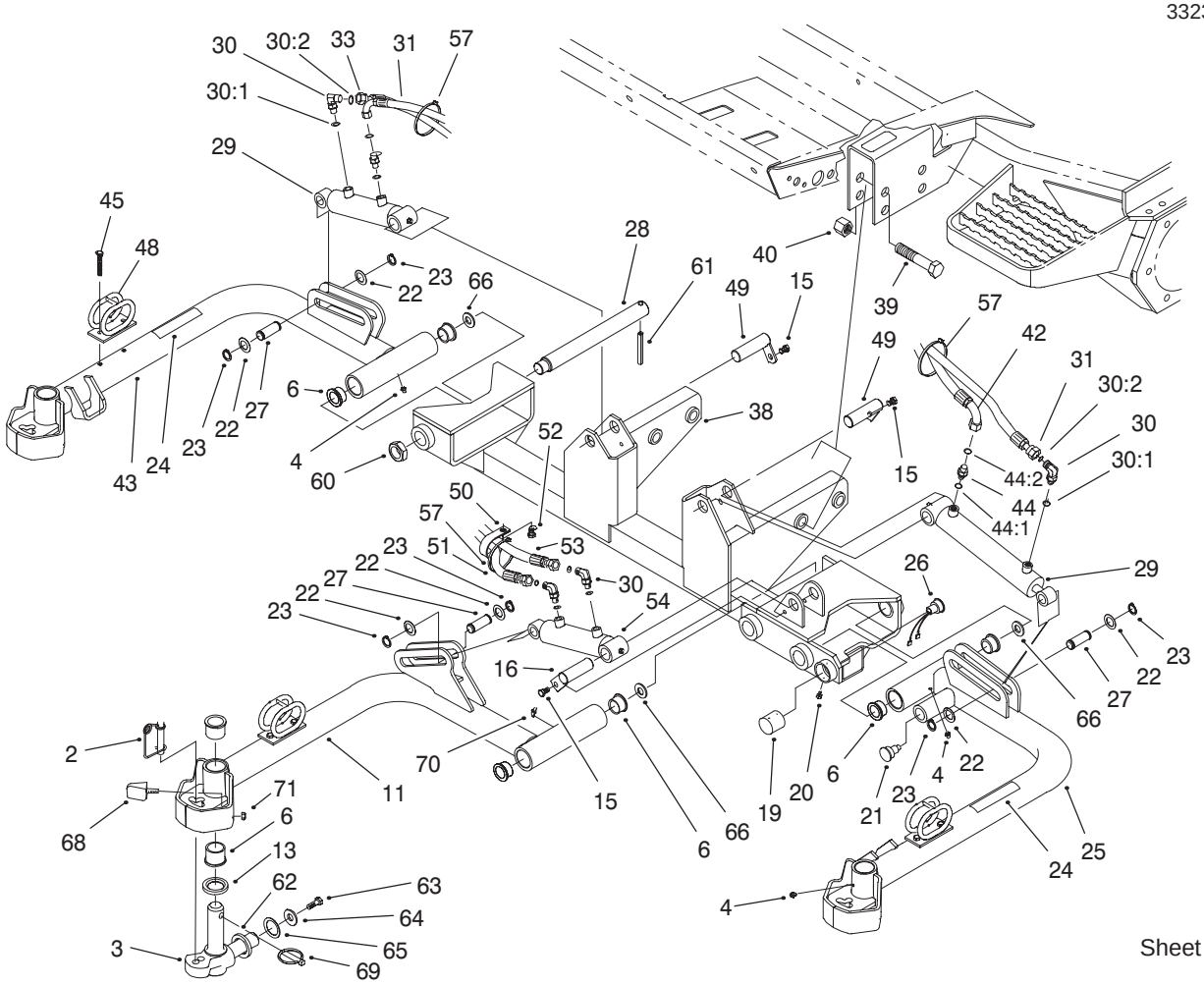
Sheet No.:B4

Rear Manifold Block Assembly # 100–3797

Ref. No.	Part No.	Qty.	Description
2	75–0920	1	Cartridge–Relief
*2:1	95–5645	1	Seal Kit
3	95–3459	1	Cartridge–N.o. Flow Control
*3:1	75–2080	1	Seal Kit
4	88–6980	1	Cartridge–N.c.
*4:1	75–2080	1	Seal Kit
5	94–2685	1	Cartridge – N.c. Spool
*5:1	95–5645	1	Seal Kit
6	93–7494	2	Cartridge – N.o.
*6:1	75–2080	1	Seal Kit
7	93–7491	1	Cartridge – Pilot Check
*7:1	69–4260	1	Seal Kit
8	88–9190	4	Solenoid Coil Kit
9	88–9200	1	Solenoid Coil Kit
10	353–991	4	Plug–Hollow Hex
10:1	237–156	1	O–Ring
11	353–990	4	Plug
11:1	237–78	1	O–Ring
12	353–989	5	Plug–Hollow Hex
12:1	237–42	1	O–Ring
*16	75–2080	5	Seal Kit
*17	69–4260	1	Seal Kit

Ref. No.	Part No.	Qty.	Description

* Not illustrated



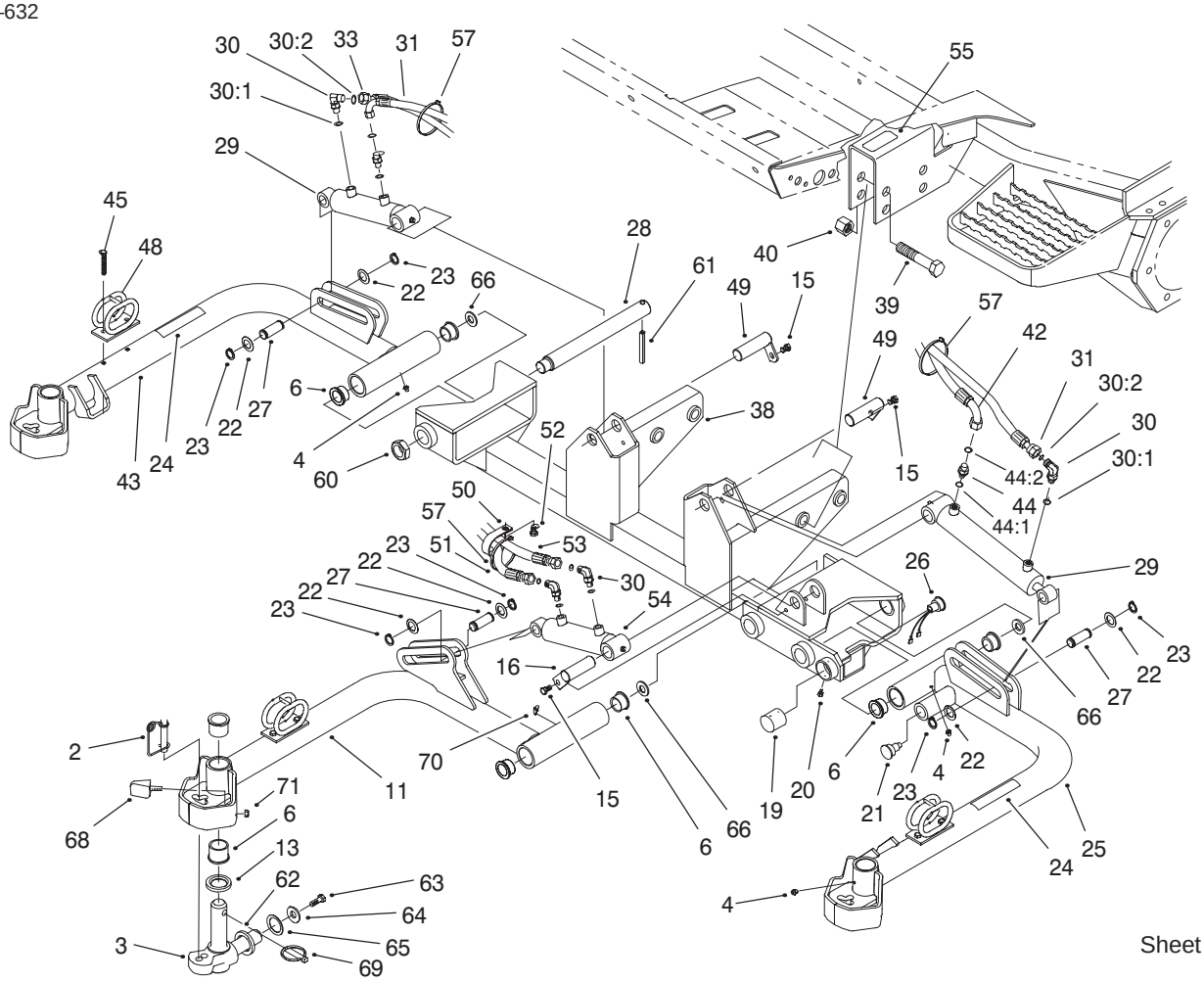
Sheet No.:18

Front Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description
*1	3334–945	2	Tie–Cable
2	99–5610	3	Pin
3	98–1880–01	3	Knuckle – Pivot
4	302–5	5	Fitting–Lube
6	94–8947	12	Bushing – Flange
11	99–2561	1	Arm–Lift #1
13	94–8946	3	Washer
15	32144–14	3	Screw–HWH
16	83–6790	1	Pin–Cylinder
19	75–6370	1	Cap – Sensor
20	32104–76	2	Screw–Slot, Acorn
21	92–8754	1	Plug–Reed Switch, Magnet
22	94–9998	6	Washer – Thrust
23	94–9974	6	Ring–Retaining
24	93–6687	2	Decal–Step, No
25	99–2564	1	Arm–Lift, #4
26	92–8002	1	Plug–Reed Switch, Magnet
27	75–5350	3	Pin–Slide, Cylinder
28	95–7158	3	Pin – Pivot
29	99–6986	2	Cylinder–Hydraulic
30	340–132	4	Elbow–90°
30:1	237–78	1	O–Ring
30:2	237–21	1	O–Ring
31	99–5642	2	Hose–Hydraulic

Ref. No.	Part No.	Qty.	Description
33	100–3799	1	Hose ASM
38	99–5615	1	Frame
39	328–7	4	Screw–HH
40	3296–51	4	Nut–Lock NI
42	100–3811	1	Hyd Hose ASM
43	99–2565	1	Arm–Lift, #5
44	340–92	2	Fitting
44:1	237–78	1	O–Ring
44:2	237–21	1	O–Ring
45	33114–020	6	Screw–HH
48	99–5621	3	Guide–Hose
49	83–6780–01	2	Pin–Cylinder
50	2412–96	1	Clamp–R
51	92–7565	1	Hose ASM
52	322–4	1	Screw–HH
53	92–7562	1	Hose ASM
54	93–2650	1	Cylinder – Lift
57	3290–378	3	Tie–Cable
60	3296–49	3	Nut–Lock NI
61	32121–110	3	Pin–Roll, Slotted
62	98–7974	3	Washer – Thrust
63	98–7993	3	Screw–HHF
64	3256–6	3	Washer–Flat
65	3–6781	3	Washer–Thrust
66	76–2980	3	Washer–Thrust

* Not illustrated

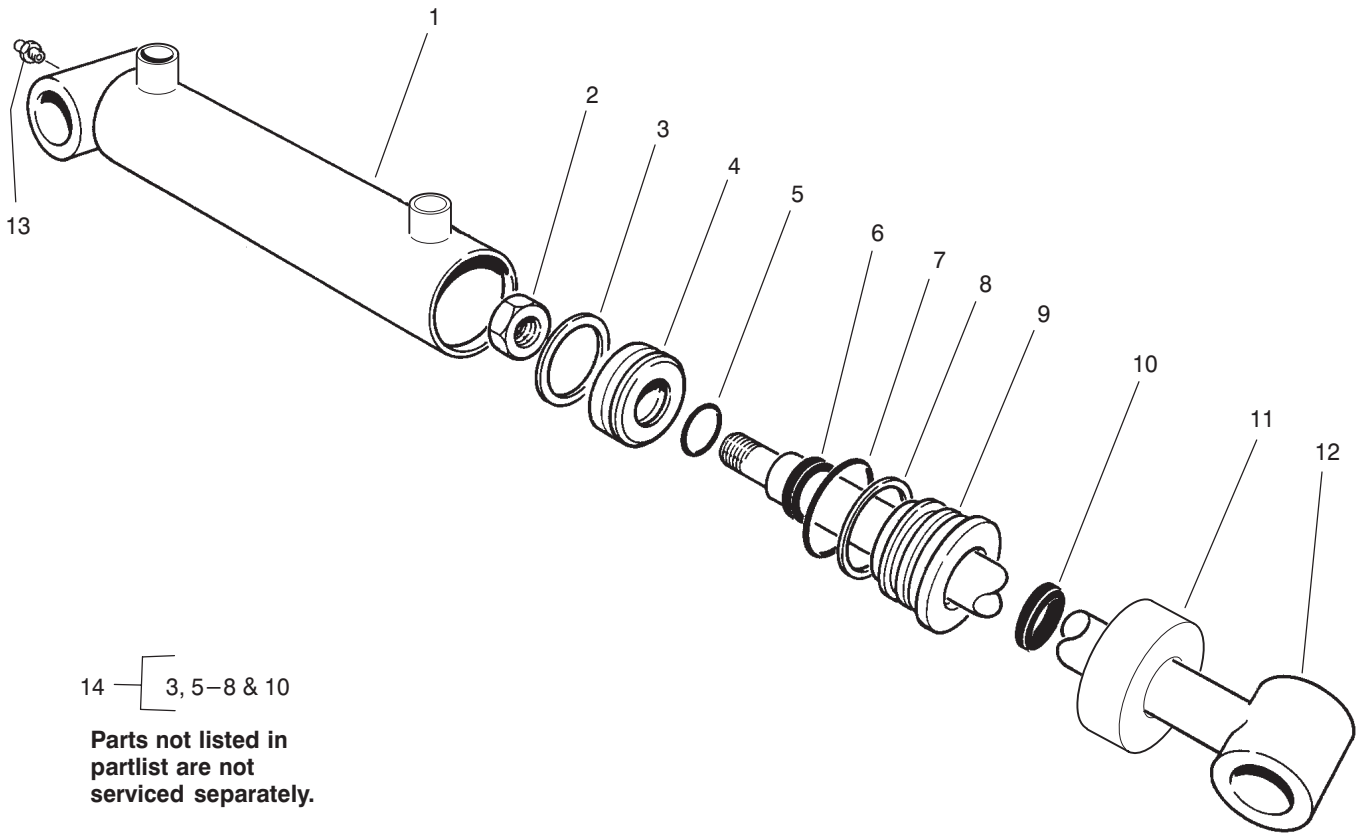


Sheet No.:18

Front Lift Arm Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
68	99–5605	6	Bumper ASM
69	283–71	3	Pin–Lynch
70	302–60	1	Fitting–Lube
71	3296–29	6	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description



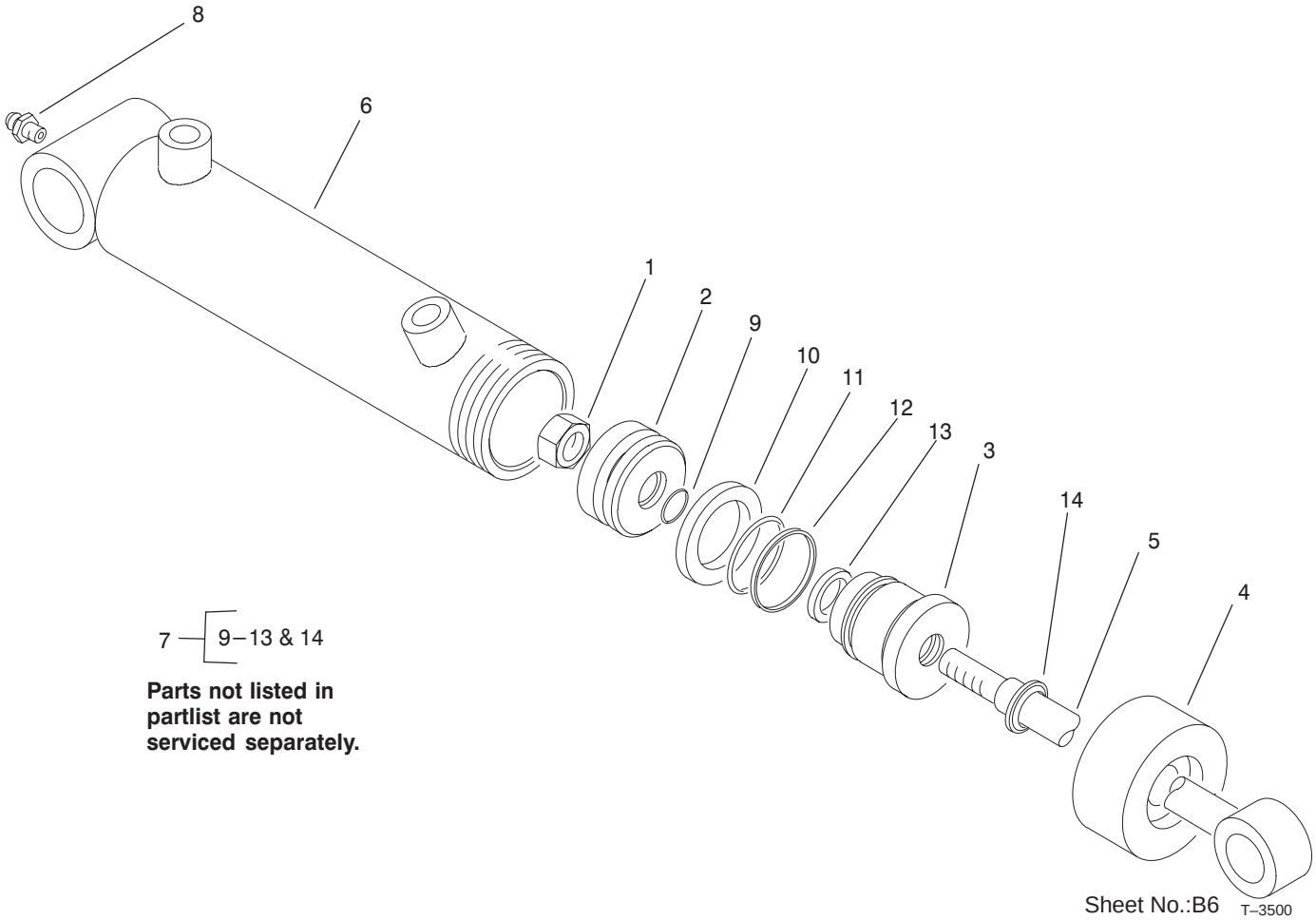
Parts not listed in partlist are not serviced separately.

Sheet No.:B5
T–3499

Hydraulic Cylinder Assembly # 99–6986

Ref. No.	Part No.	Qty.	Description
2	32152–10	1	Locknut–Deform, Top
14	100–8023	1	Kit–Repair, Seal

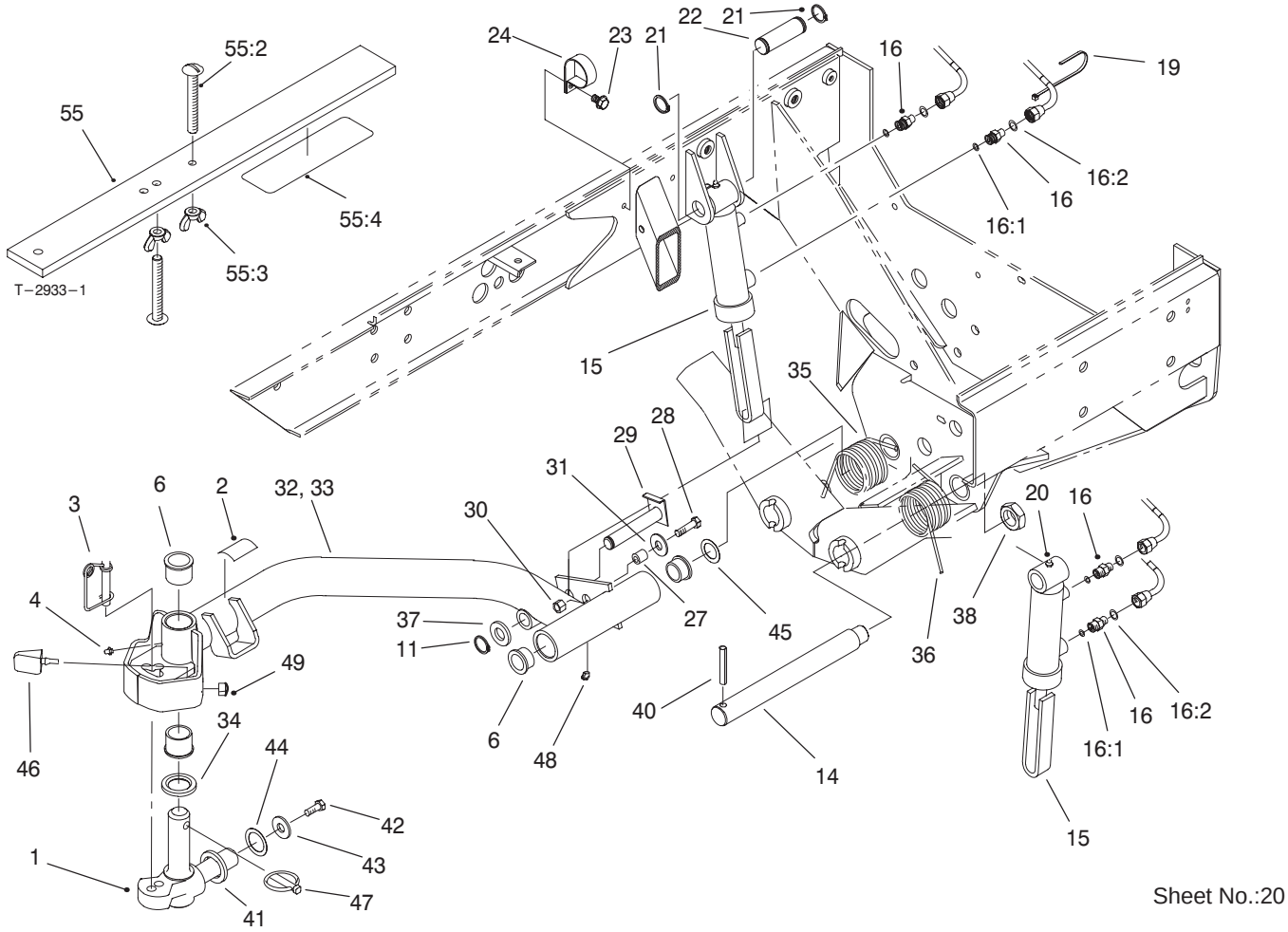
Ref. No.	Part No.	Qty.	Description



Hydraulic Cylinder Assembly # 93–2650

Ref. No.	Part No.	Qty.	Description
1	32152–10	1	Locknut–Deform, Top
2	70–2780	1	Piston
3	93–7990	1	Head
4	93–7991	1	Collar
5	94–2644	1	Shaft With Tube
7	86–7330	1	Kit–Seal
8	302–5	1	Fitting–Lube

Ref. No.	Part No.	Qty.	Description

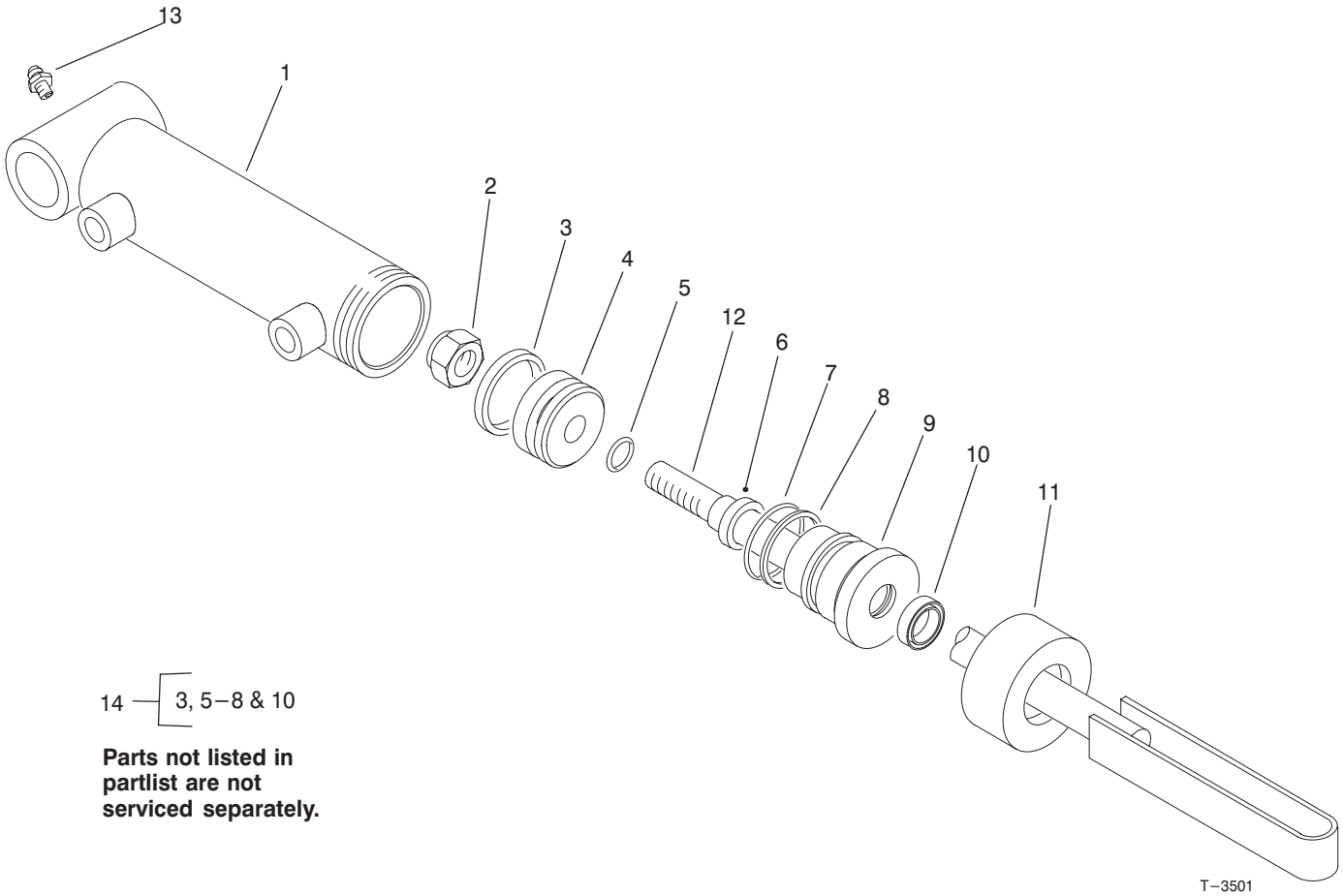


Sheet No.:20

Rear Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	98–1880–01	2	Knuckle – Pivot
2	93–6696	2	Decal–Loaded, Spring
3	99–5610	2	Pin
4	302–5	2	Fitting–Lube
6	94–8947	8	Bushing – Flange
11	94–9974	2	Ring–Retaining
14	95–7158	2	Pin – Pivot
15	99–2550	2	Cylinder–Hyd
16	340–92	4	Fitting
16:1	237–78	1	O–Ring
16:2	237–21	1	O–Ring
19	3290–378	2	Tie–Cable
20	302–61	2	Zerk
21	32151–36	4	Ring–Retaining
22	92–7548	2	Pin–Cylinder
23	32144–11	1	Screw–TAP
24	2412–96	1	Clamp–R
27	82–6840	2	Spacer
28	322–7	2	Screw–HH
29	99–2560	2	Pin
30	3296–29	2	Nut–Lock, NI
31	3256–3	2	Washer–Flat
32	99–2563	1	Arm–Lift #3,
33	99–2562	1	Arm–Lift, #2
34	94–8946	2	Washer
35	99–5608	1	Spring–Torsion, RH

Ref. No.	Part No.	Qty.	Description
36	99–5609	1	Spring–Torsion, LH
37	67–6570	2	Spacer–Wheel
38	3296–49	2	Nut–Lock NI
40	32121–110	2	Pin–Roll, Slotted
41	98–7974	2	Washer – Thrust
42	98–7993	2	Screw–HHF
43	3256–6	2	Washer–Flat
44	3–6781	2	Washer–Thrust
45	76–2980	2	Washer–Thrust
46	99–5605	4	Bumper ASM
47	283–71	2	Pin–Lynch
48	302–11	2	Fitting–Lube, 45°
49	3296–29	4	Nut–Lock, NI
55	98–1852	1	Guage Bar ASM
55:2	32122–54	2	Screw–Head, Truss
55:3	32103–3	2	Nut–Wing
55:4	98–7976	1	Decal–Bar, Guage

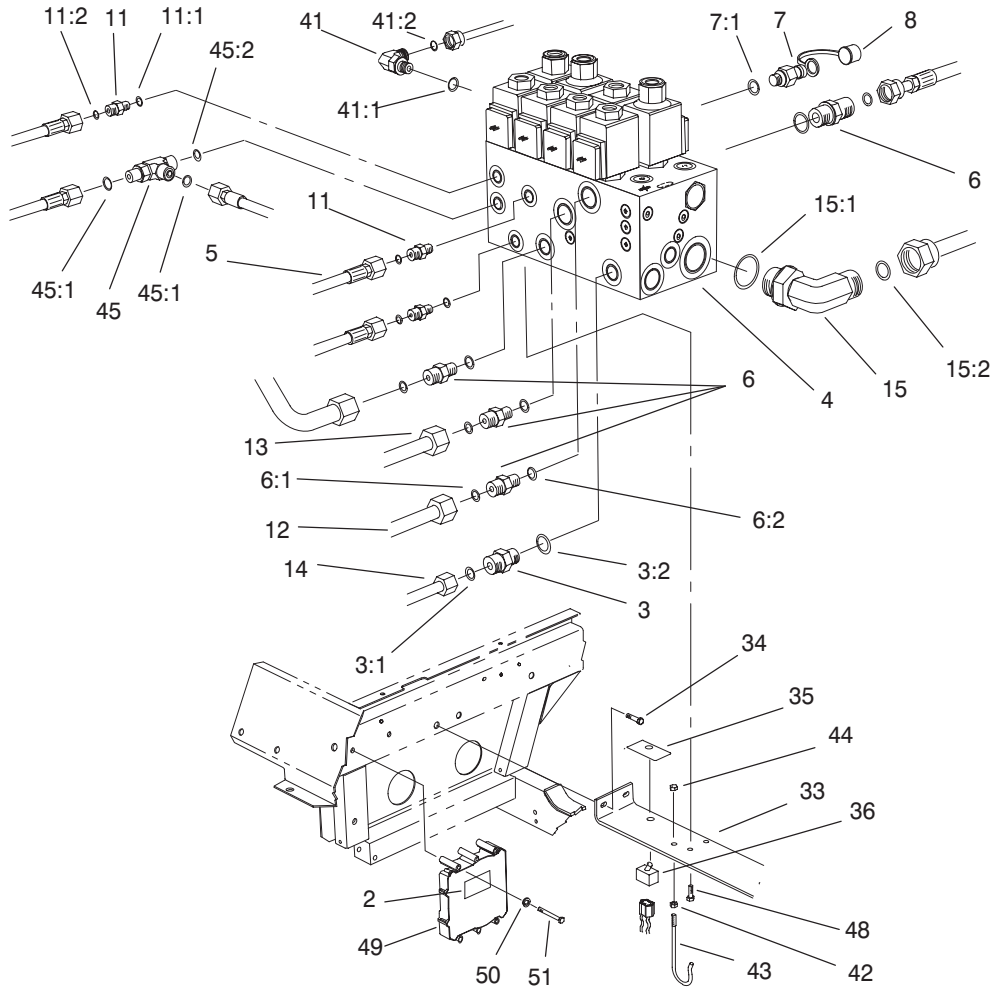


Sheet No.:B7

Hydraulic Cylinder Assembly # 99–2550

Ref. No.	Part No.	Qty.	Description
2	32152–10	1	Locknut–Deform, Top
13	302–5	1	Fitting–Lube
14	100–8023	1	Kit–Repair, Seal

Ref. No.	Part No.	Qty.	Description



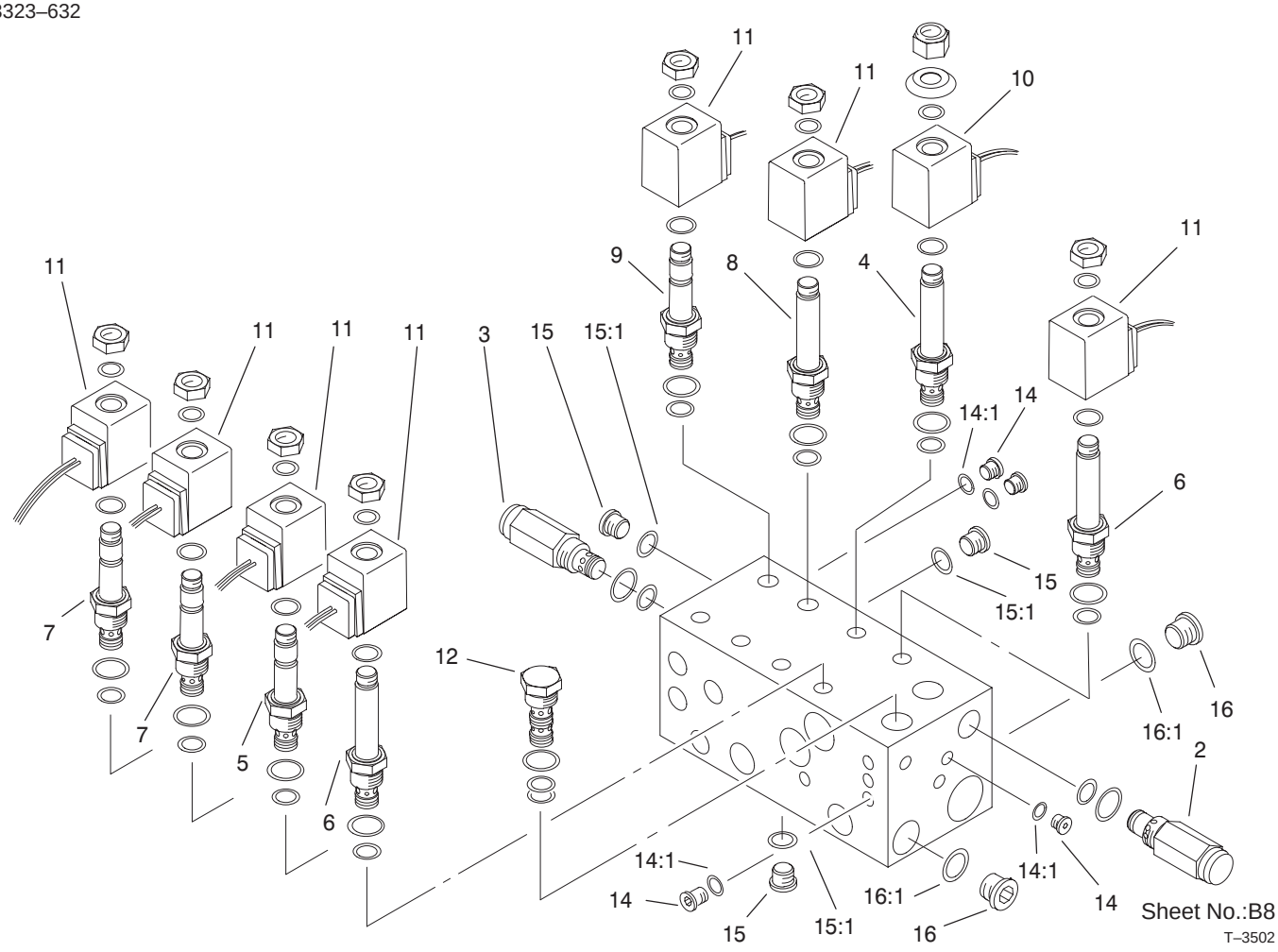
Sheet No.:21

Front Hydraulic Control Block and Hose Assembly

Ref. No.	Part No.	Qty.	Description
2	93–8053	1	Decal
3	340–2	1	Adapter
3:1	237–22	1	O–Ring
3:2	237–42	1	O–Ring
4	100–3800	1	Front Manifold Block ASM
5	100–3783	1	Hose ASM
6	340–4	4	Adapter
6:1	237–30	1	O–Ring
6:2	237–79	1	O–Ring
7	354–77	1	Fitting–Quick
7:1	237–78	1	O–Ring
8	354–79	1	Cap – Fitting, Yellow
11	340–92	3	Fitting
11:1	237–78	1	O–Ring
11:2	237–21	1	O–Ring
12	93–4216	1	Tube ASM
*12:1	237–30	1	O–Ring
13	93–4217	1	Tube ASM
14	93–4222	1	Drain Return Tube ASM
15	340–139	1	Fitting–90°
15:1	237–81	1	O–Ring
15:2	237–65	1	O–Ring
33	92–7519–01	1	Bracket–Manifold Block

Ref. No.	Part No.	Qty.	Description
34	3234–17	4	Screw–HHF
35	93–1264	1	Decal – Backlap Switch
36	93–7487	1	Switch – Toggle
41	340–132	1	Elbow–90°
41:1	237–78	1	O–Ring
41:2	237–21	1	O–Ring
42	3217–6	1	Nut–Hex
43	93–7970	1	Wireform – Hose Hanger
44	3296–29	1	Nut–Lock, NI
45	340–140	1	Adapter Tee
45:1	237–21	2	O–Ring
45:2	237–78	1	O–Ring
48	33104–016	4	Screw–HHF
49	92–5720	1	Controller–Electronic
50	3253–3	3	Washer–Lock/Sp
51	321–15	3	Screw–HH

* Not illustrated

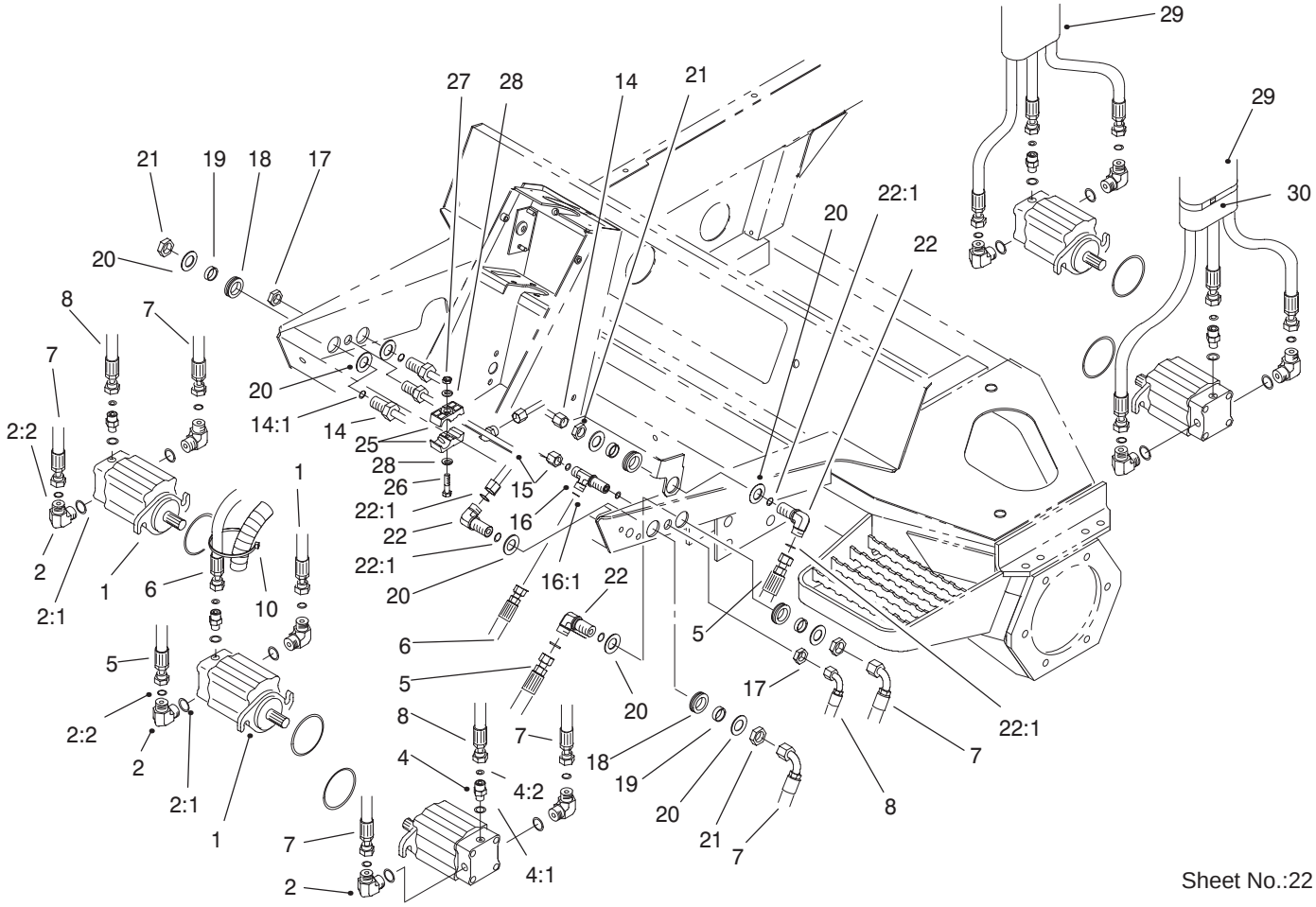


Front Manifold Block Assembly # 100–3800

Ref. No.	Part No.	Qty.	Description
2	75–0920	1	Cartridge–Relief
*2:1	95–5645	1	Seal Kit
3	93–7492	1	Cartridge – Relief
*3:1	75–2080	1	Seal Kit
4	95–3459	1	Cartridge–N.o. Flow Control
*4:1	75–2080	1	Seal Kit
5	88–6980	1	Cartridge–N.c.
*5:1	75–2080	1	Seal Kit
6	93–7494	2	Cartridge – N.o.
*6:1	75–2080	1	Seal Kit
7	92–6315	1	Cartridge–N.c. Poppet
*7:1	69–4230	1	Seal Kit
8	92–3071	1	Solenoid
*8:1	69–4260	1	Seal Kit
9	94–2685	2	Cartridge – N.c. Spool
*9:1	95–5645	1	Seal Kit
10	88–9200	1	Solenoid Coil Kit
11	88–9190	7	Solenoid Coil Kit
12	93–7491	1	Cartridge – Pilot Check
*12:1	69–4260	1	Seal Kit
14	353–991	10	Plug–Hollow Hex
14:1	237–156	1	O–Ring
15	353–990	10	Plug
15:1	237–78	1	O–Ring

Ref. No.	Part No.	Qty.	Description
16	353–989	5	Plug–Hollow Hex
16:1	237–42	1	O–Ring
20	75–2080	7	Seal Kit
21	69–4260	2	Seal Kit

* Not illustrated



Sheet No.:22

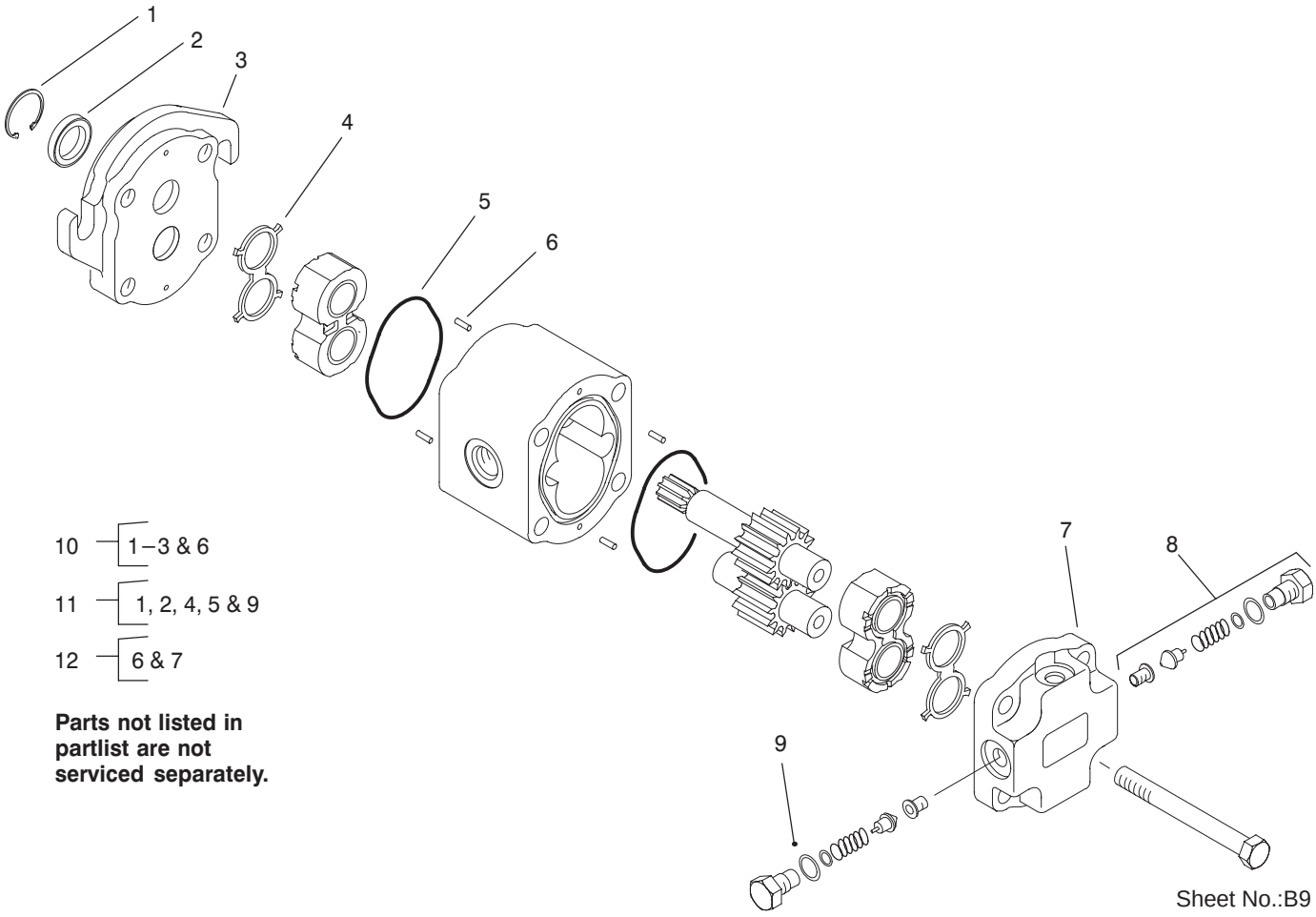
Reel Motor and Hose Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9999	5	Hydraulic Motor
2	340–98	10	Fitting–Hyd, 90°
2:1	237–79	1	O–Ring
2:2	237–30	1	O–Ring
4	340–92	5	Fitting
4:1	237–78	1	O–Ring
4:2	237–21	1	O–Ring
5	99–5629	2	Hose ASM
6	92–7560	1	Hydraulic Hose ASM
7	99–5630	4	Hose ASM
8	92–7555	4	Hydraulic Hose ASM (Only On: 03804)
8	92–7559	2	Hydraulic Hose ASM (Only On: 03803)
10	3290–378	5	Tie–Cable
14	93–4219	1	Tube ASM
14:1	237–30	1	O–Ring
15	93–4223	1	Front Drain Tube ASM
15:1	237–22	1	O–Ring
16	340–68	1	Fitting–Tee, Bulkhead
16:1	237–22	3	O–Ring
17	340–70	2	Locknut–Bulkhead
18	240–5	5	Grommet
19	69–8960	5	Spacer
20	69–8930	10	Washer
21	340–127	5	Nut–Bulkhead

Ref. No.	Part No.	Qty.	Description
22	93–9151	3	Fitting–Hyd
22:1	237–30	2	O–Ring
25	56–7972	4	Tube Clamp
26	322–7	2	Screw–HH
27	3296–47	2	Nut–Lock, NI
28	3256–23	4	Washer–Flat
29	99–5617	5	Sleeve – Protection
30	3290–379	10	Tie–Cable
31	93–9783	10	O–Ring

* Not illustrated

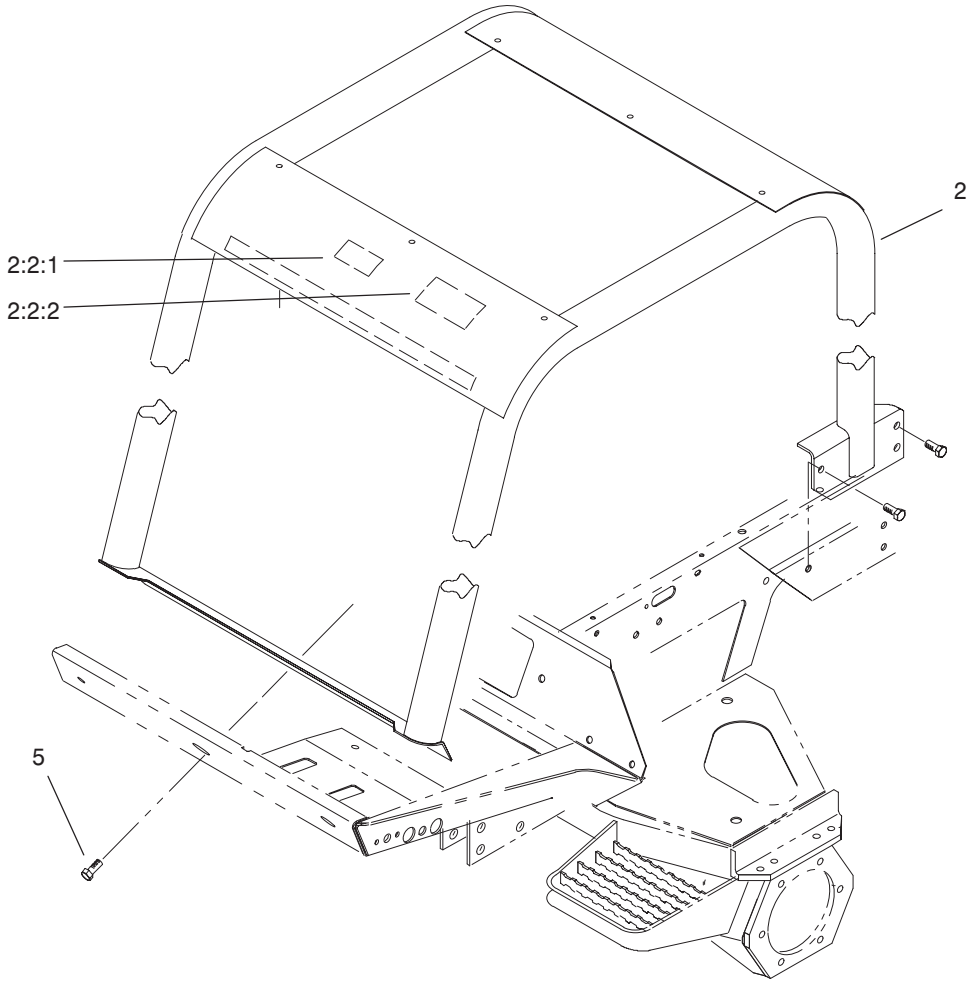
3323–632



Reel Motor Assembly # 98–9999

Ref. No.	Part No.	Qty.	Description
10	93–9152	1	Flange Kit
11	98–9997	1	Seal Kit
12	93–9154	1	Valve Block Kit

Ref. No.	Part No.	Qty.	Description

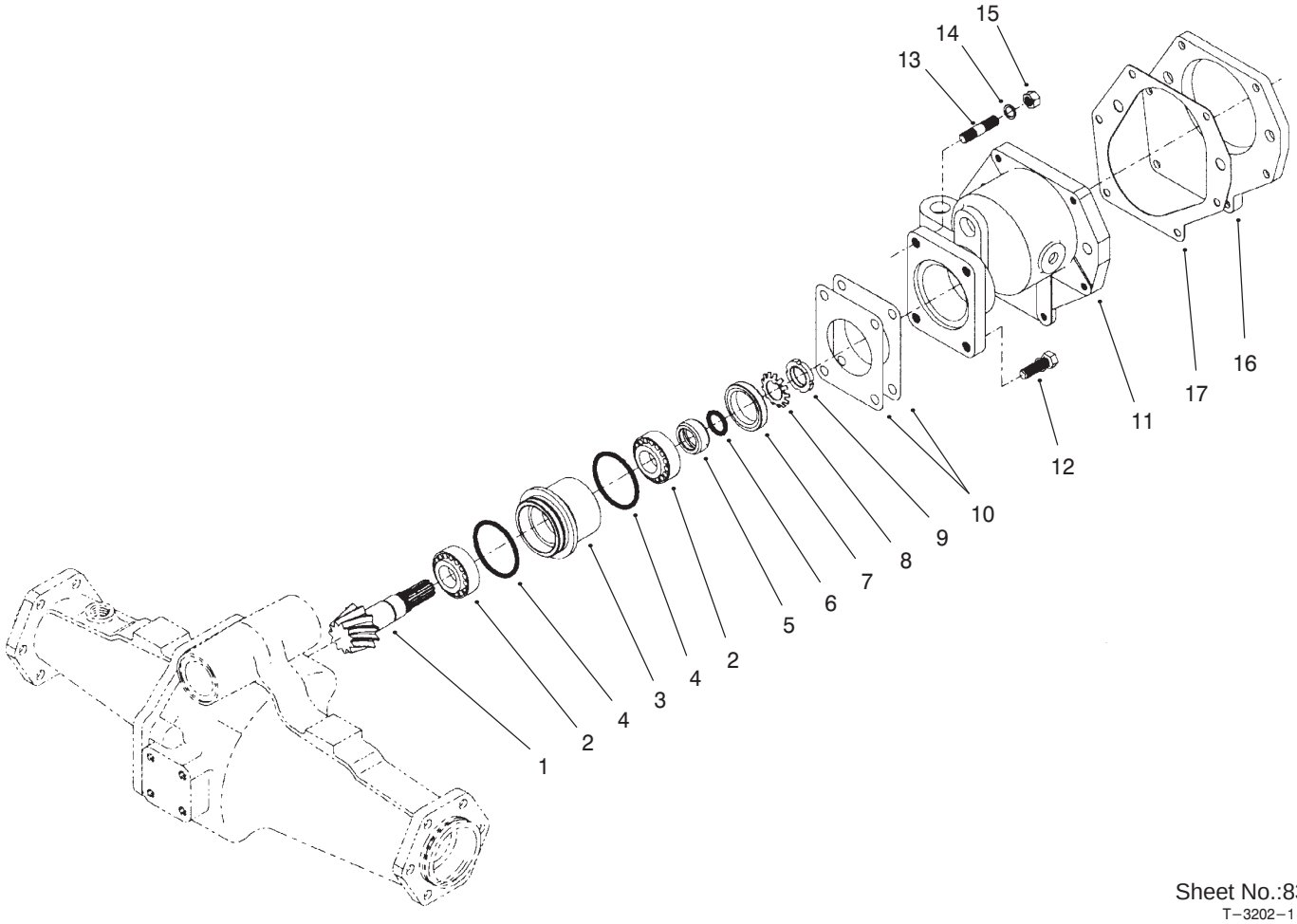


Sheet No.:25

Roll Over Protection System (ROPS)

Ref. No.	Part No.	Qty.	Description
2	92–7571–03	1	Rops (only on: 03804)
2:2:1	92–6073	1	Decal F/W Rops (only on: 03804)
2:2:2	92–7540	1	Decal – Rops F/W (only on: 03804)
5	33106–035	3	Screw–HHF (only on: 03804)

Ref. No.	Part No.	Qty.	Description

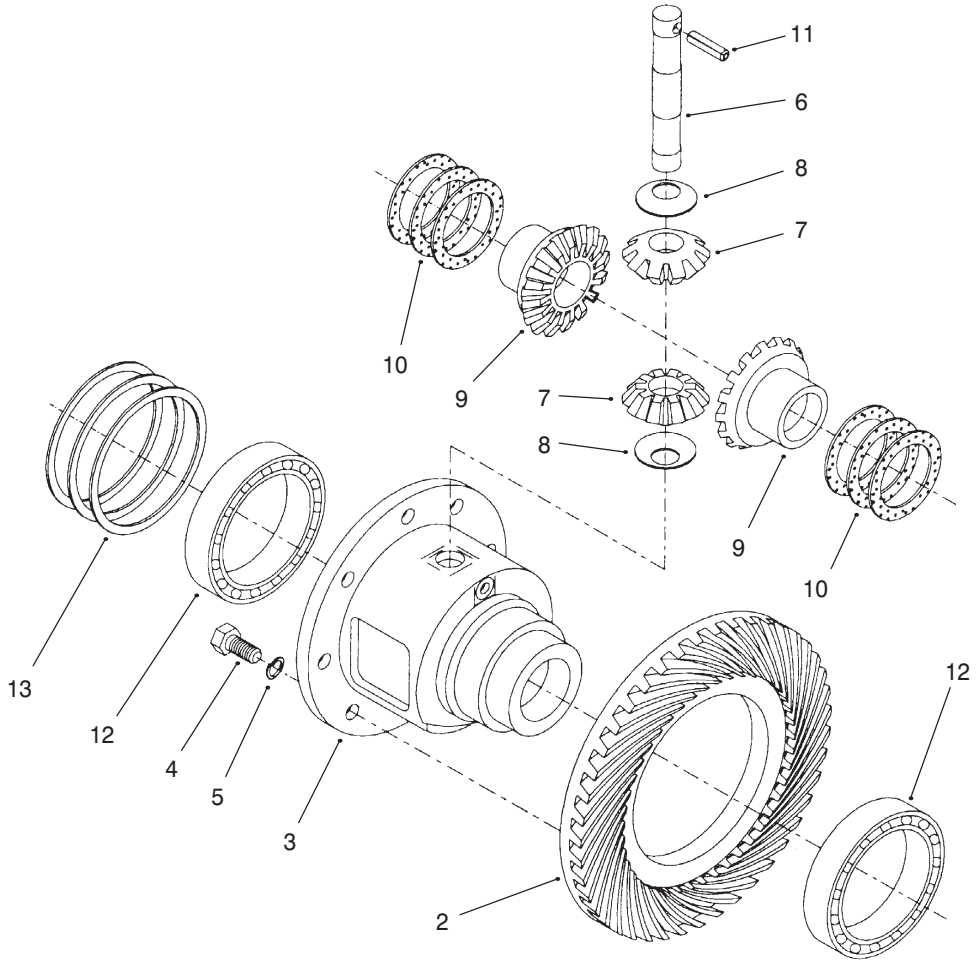


Sheet No.:83
T–3202–1

Rear Axle Assembly No. 100–3784
Bevel Pinion Shaft Assembly

Ref. No.	Part No.	Qty.	Description
1	100–2555	1	Ring And Pinion Matched Set
2	99–7570	2	Bearing–Taper Roller
3	95–7534	1	Case, Bearing
4	99–7571	2	O–Ring
5	99–7572	1	Collar–Oil Seal
6	99–7573	1	O–Ring
7	99–7574	1	Seal–Oil
8	99–7559	1	Washer–Lock
9	99–7560	1	Nut–Lock
10	99–7550	2	Shim 0.1
10	99–7551	2	Shim 0.2
11	95–7533	1	Case, Gear
12	99–7575	2	Bolt
13	100–2556	2	Stud
14	99–7527	2	Washer–Spring
15	99–7526	2	Nut
16	95–7541	1	Cover Plate
17	95–7540	1	Gasket

Ref. No.	Part No.	Qty.	Description

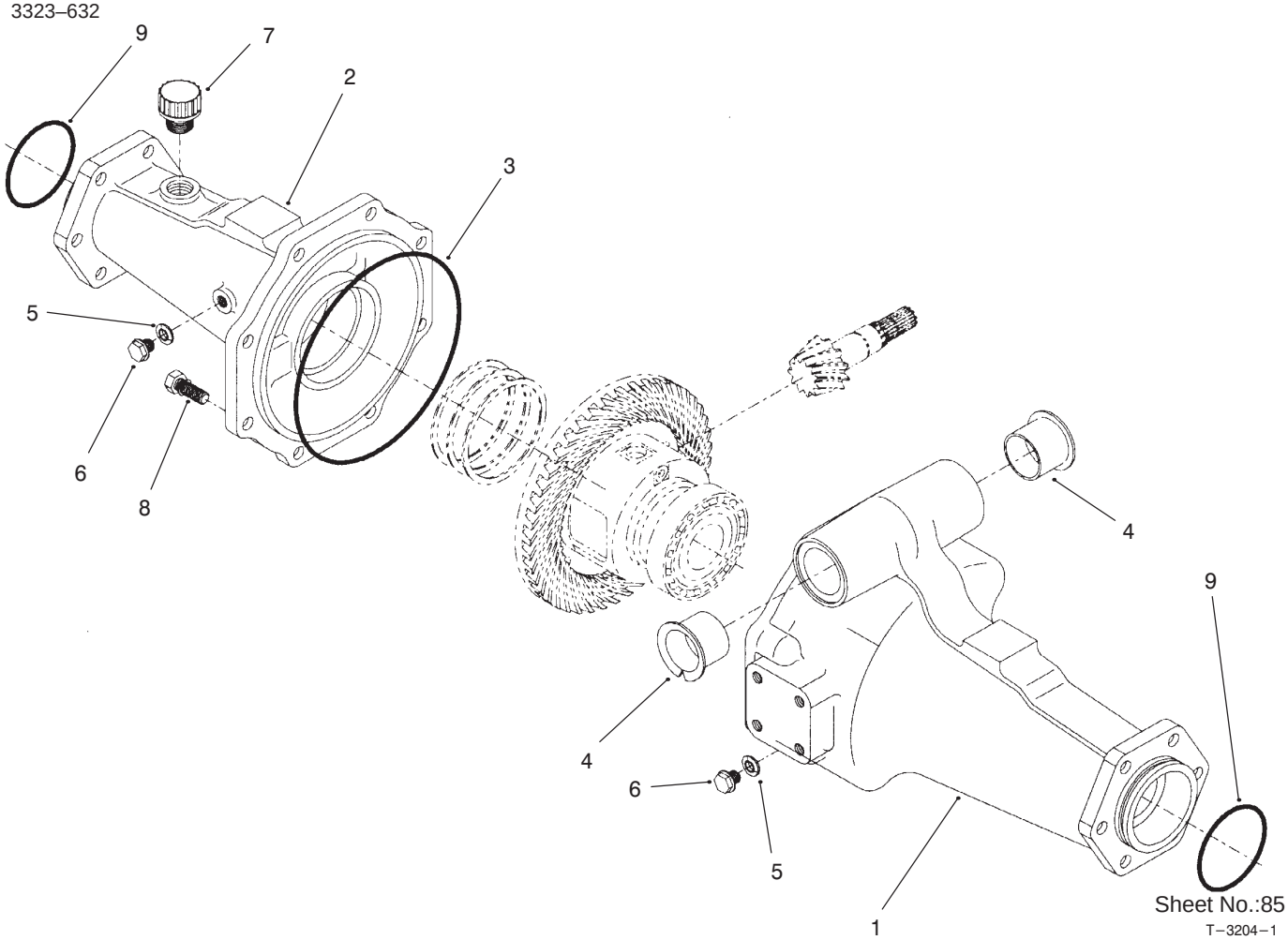


Sheet No.:84
T–3203–1

Rear Axle Assembly No. 100–3784 (Continued)
Differential Assembly

Ref. No.	Part No.	Qty.	Description
1	95–7503	1	Differential ASM
2	100–2555	1	Ring And Pinion Matched Set
3	95–7502	1	Case–Differential
4	99–7576	8	Bolt
5	99–7577	8	Washer–Spring
6	99–7578	1	Shaft–Diff. Pinion
7	99–7579	2	Pinion–Differential
8	99–7580	2	Washer–Diff. Pinion
9	99–7581	2	Gear–Differential
10	99–7582	2	Washer–Differential
10	99–7583	2	Washer–Differential
10	99–7584	2	Washer–Differential
11	99–7588	1	Pin–Spring
12	99–7562	2	Bearing–Ball
13	99–7585	2	Shim 0.1
13	99–7586	2	Shim 0.2
13	99–7587	2	Shim 0.4

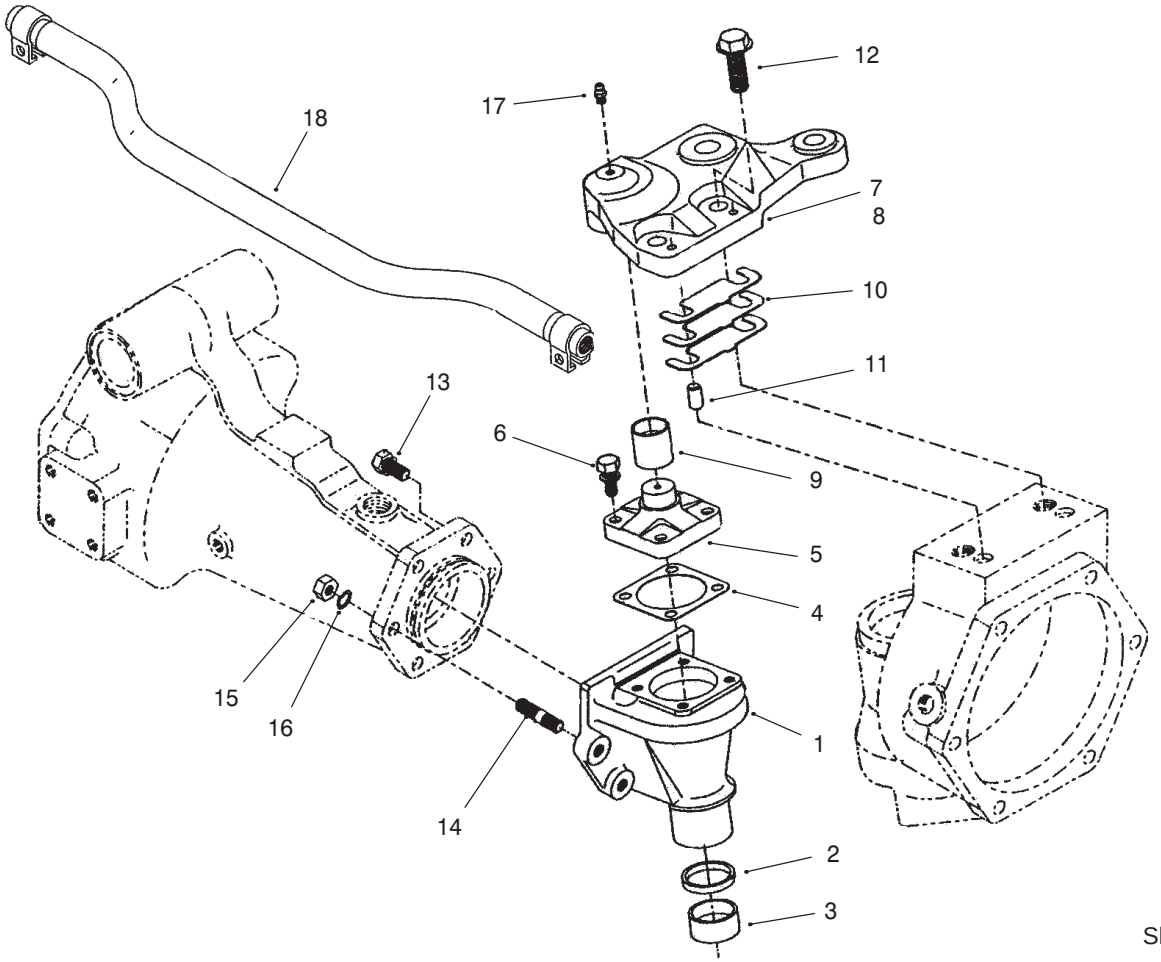
Ref. No.	Part No.	Qty.	Description



Rear Axle Assembly No. 100–3784 (Continued)
Axle Support Assembly

Ref. No.	Part No.	Qty.	Description
1	95–7508	1	Support–Axle
2	95–7506	1	Support–Axle
3	95–7507	1	O–Ring
4	95–7537	2	Bushing–Flanged
5	99–7589	2	Plug
6	99–7590	2	Washer–Seal
7	99–7591	1	Oil Plug ASM
8	99–7592	8	Bolt
9	99–7593	2	O–Ring

Ref. No.	Part No.	Qty.	Description



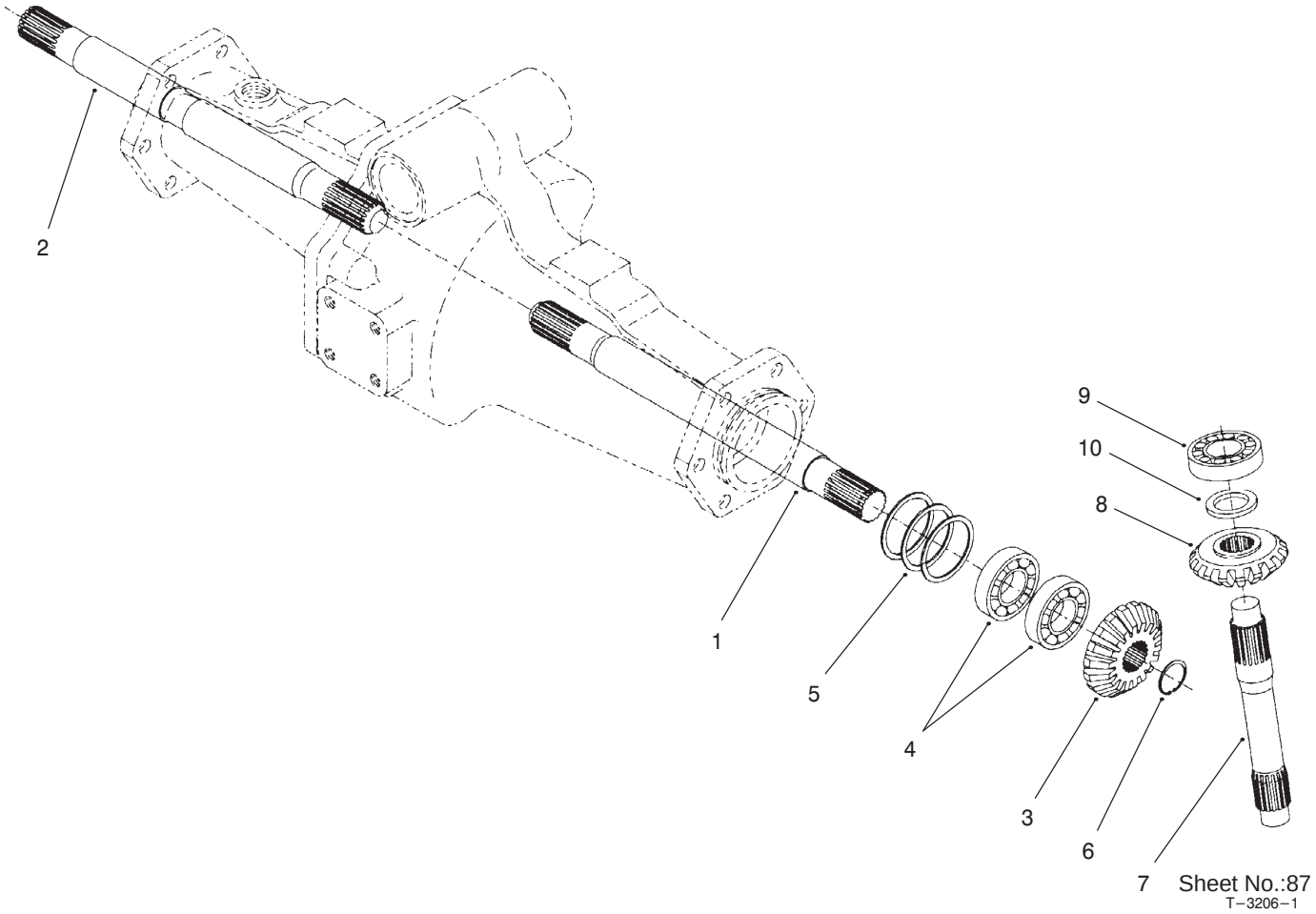
Sheet No.:86

T–3503

Rear Axle Assembly No. 100–3784 (Continued)
Bevel Gear Case Assembly

Ref. No.	Part No.	Qty.	Description
1	95–7539	2	Case–Bevel Gear
2	100–2557	2	Seal, Oil
3	100–2558	2	Bushing
4	95–7511	2	Gasket
5	95–7510	2	Pin–Knuckle
6	99–7596	8	Bolt
7	100–3768	1	Steering Arm–LH
8	100–3766	1	Steering Arm–RH
9	99–7529	2	Bushing
10	95–7547	2	Shim 0.1
10	95–7548	2	Shim 0.2
10	95–7549	2	Shim 0.4
11	99–7597	4	Pin–Dowel
12	99–7598	4	Bolt
13	99–7599	8	Bolt
14	99–7525	4	Stud
15	99–7526	4	Nut
16	99–7527	4	Washer–Spring
17	99–7528	2	Nipple–Grease
18	100–3762	1	Tie Rod ASM

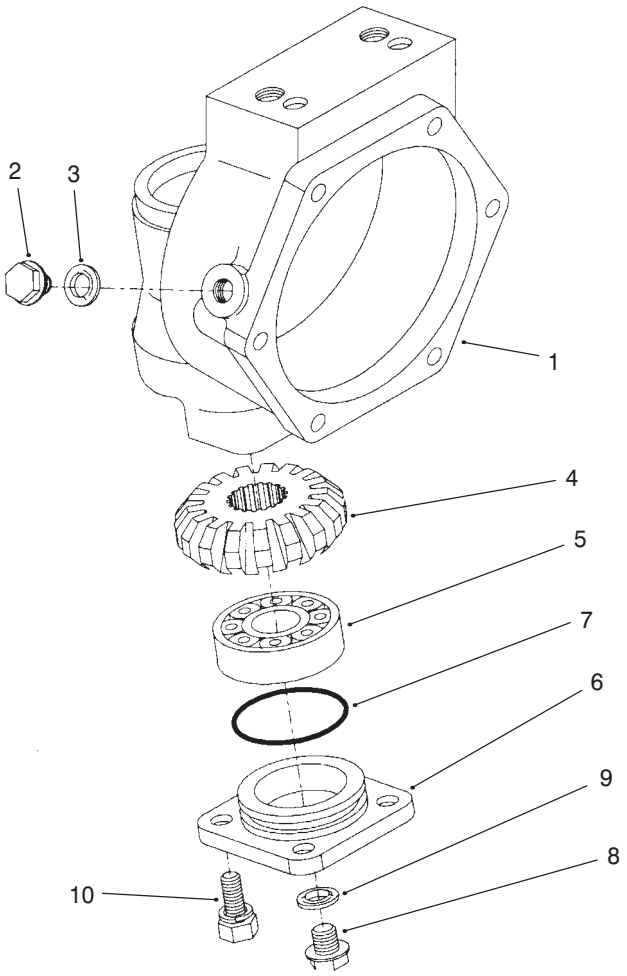
Ref. No.	Part No.	Qty.	Description



Rear Axle Assembly No. 100–3784 (Continued)
Bevel Gear Shaft Assembly

Ref. No.	Part No.	Qty.	Description
1	95–7509	1	Shaft–Diff Gear
2	95–7512	1	Shaft–Diff Gear
3	95–7517	2	Gear, 15 Tooth Bevel
4	99–7530	4	Bearing–Ball
5	99–7552	2	Shim 0.1
5	99–7553	2	Shim 0.2
5	99–7554	2	Shim 0.5
6	99–7531	2	Cir–Clip
7	95–7529	2	Shaft, Bevel Gear
8	95–7519	2	Gear, 17 Tooth Bevel
9	99–7532	2	Bearing–Taper Roller
10	99–7558	2	Collar

Ref. No.	Part No.	Qty.	Description

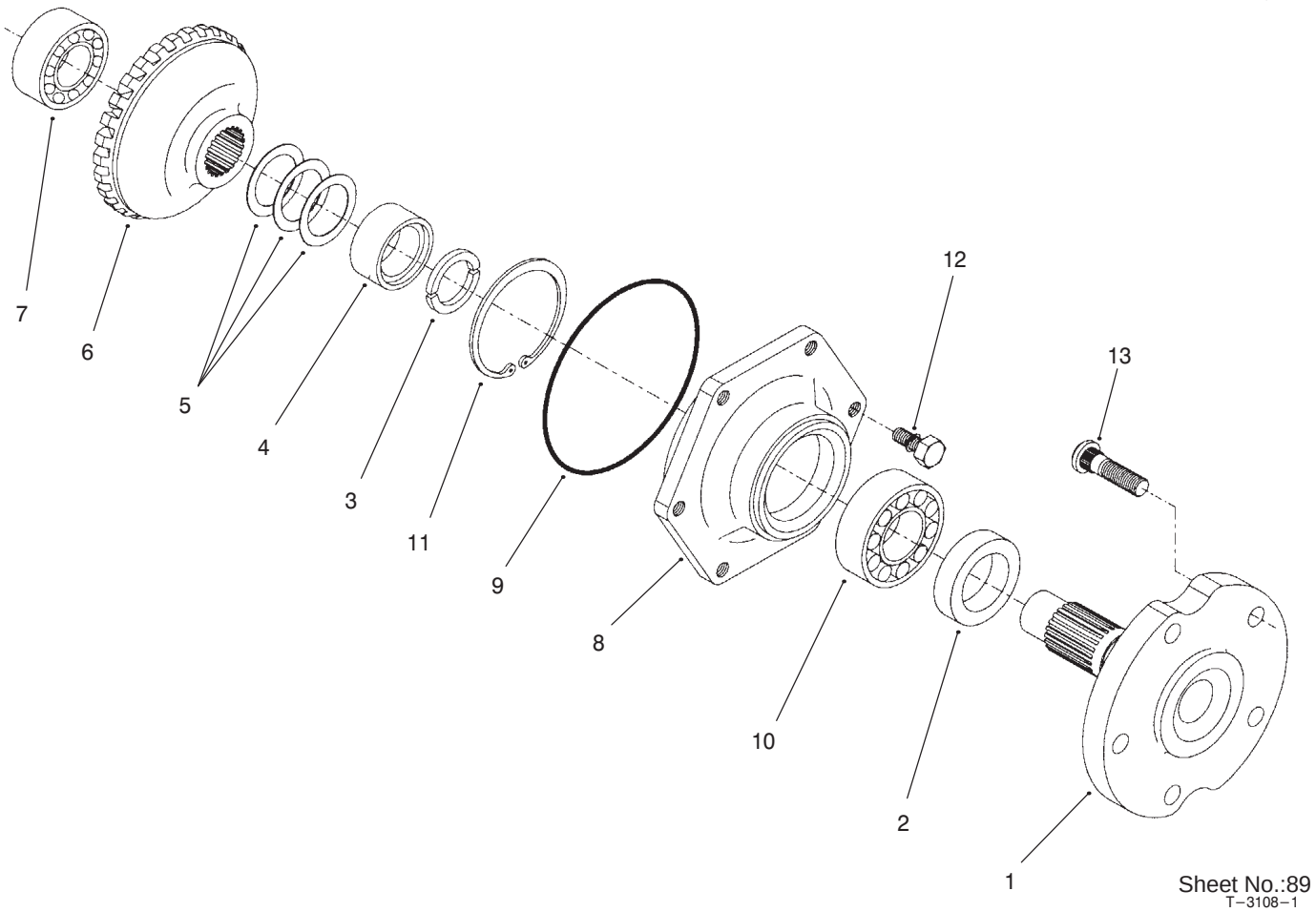


Sheet No.:88
T–3207–1

Rear Axle Assembly No. 100–3784 (Continued)
Axle Case Assembly

Ref. No.	Part No.	Qty.	Description
1	95–7531	2	Case, Axle
2	99–7535	2	Plug
3	99–7536	2	Washer–Seal
4	95–7527	2	Gear, 17 Tooth Bevel
5	99–7532	2	Bearing–Taper Roller
6	100–2560	2	Cover
7	100–2561	2	O–Ring
8	99–7589	2	Plug
9	99–7590	2	Washer–Seal
10	100–2562	8	Bolt

Ref. No.	Part No.	Qty.	Description

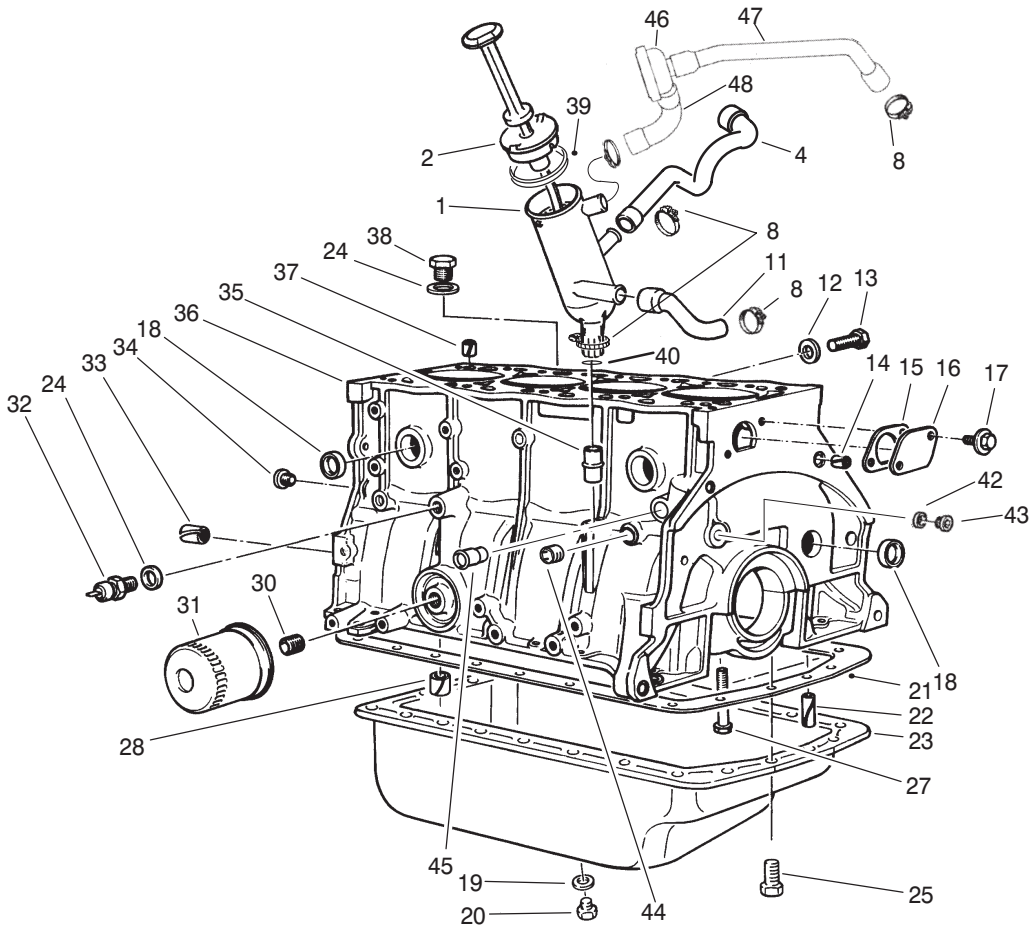


Sheet No.:89
T–3108–1

Rear Axle Assembly No. 100–3784 (Continued)
Axle Assembly

Ref. No.	Part No.	Qty.	Description
1	95–7522	2	Axle
2	99–7564	2	Seal–Oil
3	95–7544	4	Cir–Clip
4	95–7523	2	Spacer
5	99–7555	2	Shim 0.3
5	99–7556	2	Shim 0.2
5	99–7557	2	Shim 0.5
6	95–7524	2	Gear, 29 Tooth Bevel
7	99–7534	2	Bearing–Ball
8	95–7521	2	Cover–Axle
9	99–7538	2	O–Ring
10	99–7561	2	Bearing–Ball
11	99–7539	2	Cir–Clip
12	99–7596	12	Bolt
13	99–7563	10	Stud

Ref. No.	Part No.	Qty.	Description



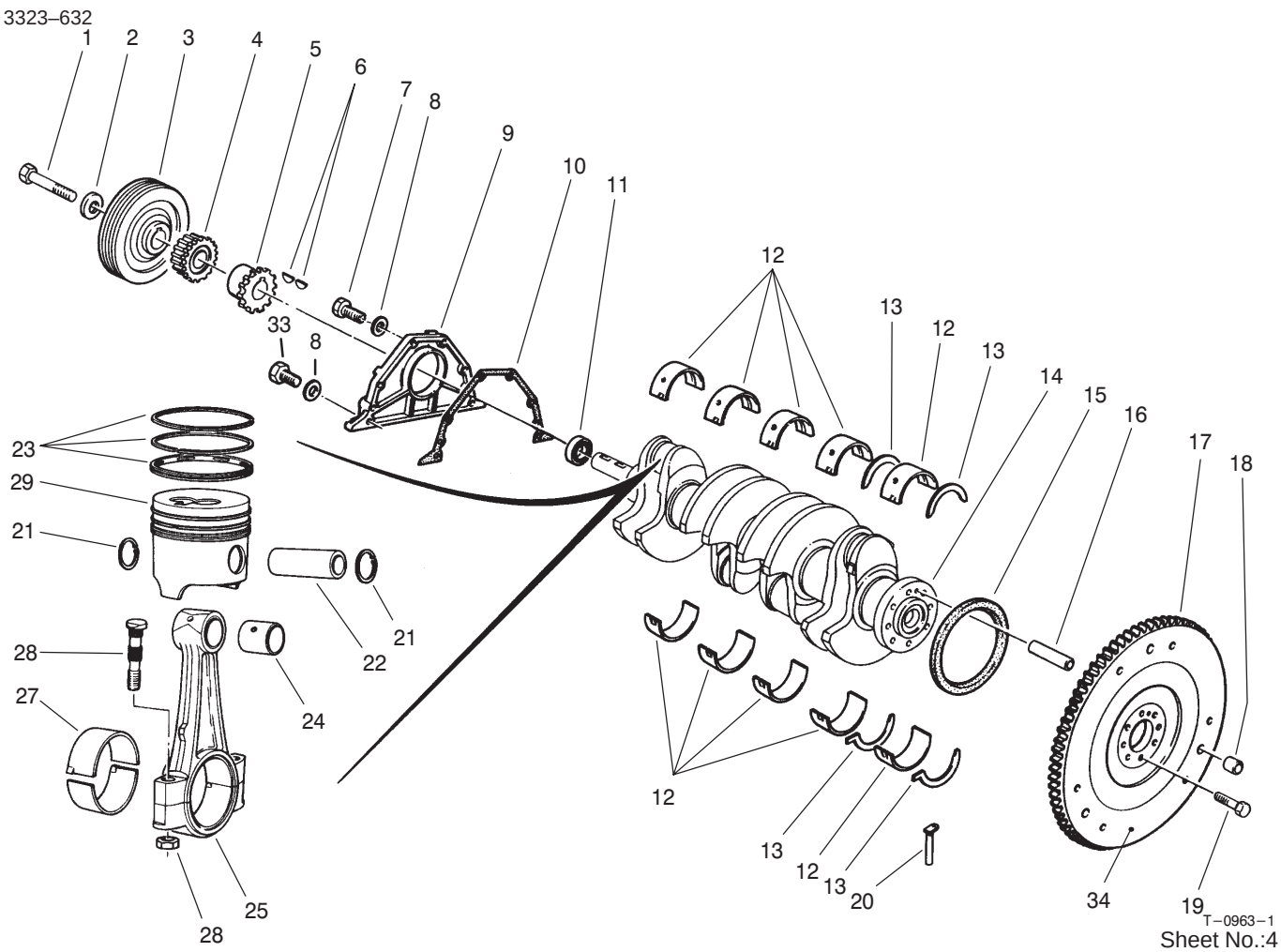
Sheet No.:3
T–2142–1

Crankcase Assembly

Ref. No.	Part No.	Qty.	Description
1	94–3181	1	Oil Filler
2	94–3182	1	Plug
4	94–3184	1	Hose–Crankcase
8	2412–129	8	Clamp–Hose
11	74–7770	1	Hose – Crank Case
12	74–7780	1	Gasket
13	74–7790	1	Screw
14	74–7800	2	Spring Pin
15	74–7810	1	Gasket–Plate
16	74–7820	1	Plate
17	94–3112	2	Screw
18	74–7840	8	Plug
18	94–3108	8	Plug–27.5mm
18	94–3109	9	Plug–28.5mm
19	74–7320	1	Gasket–Oil Drain Plug
20	74–7310	1	Oil Drain Plug
21	74–7380	1	Oil Sump Gasket
22	94–3111	2	Pin
23	74–7300	1	Oil Sump Assy
24	74–7850	2	Gasket
25	74–7330	23	Screw–HH
26	77–3790	1	Drain Plug
27	74–7930	10	Capscrew–Bearing
28	74–7940	1	Spring Bushing
29	74–7950	6	Plate Screw
30	74–7960	1	Filter Stud

Ref. No.	Part No.	Qty.	Description
31	74–7970	1	Oil Filter
32	94–3180	1	Pressure Switch
33	74–7990	4	Spring Pin
34	74–8000	2	Plug
35	74–8010	1	Tube
36	94–3100	1	Cylinder Block
37	74–8030	1	Spring Pin
38	74–8040	1	Plug
39	94–3183	1	Gasket
40	94–3186	1	O–Ring
42	94–3106	2	Gasket
43	94–3104	2	Plug–Threaded
44	94–3103	1	Plug–Threaded
45	94–3110	1	Stud
46	74–5760	1	Valve Pvc F/W
47	94–3192	1	Hose–Manifold
48	94–3191	1	Hose–Pcv Valve
*52	94–3101	1	Gasket Set
*53	77–3600	1	Shield–Adapter

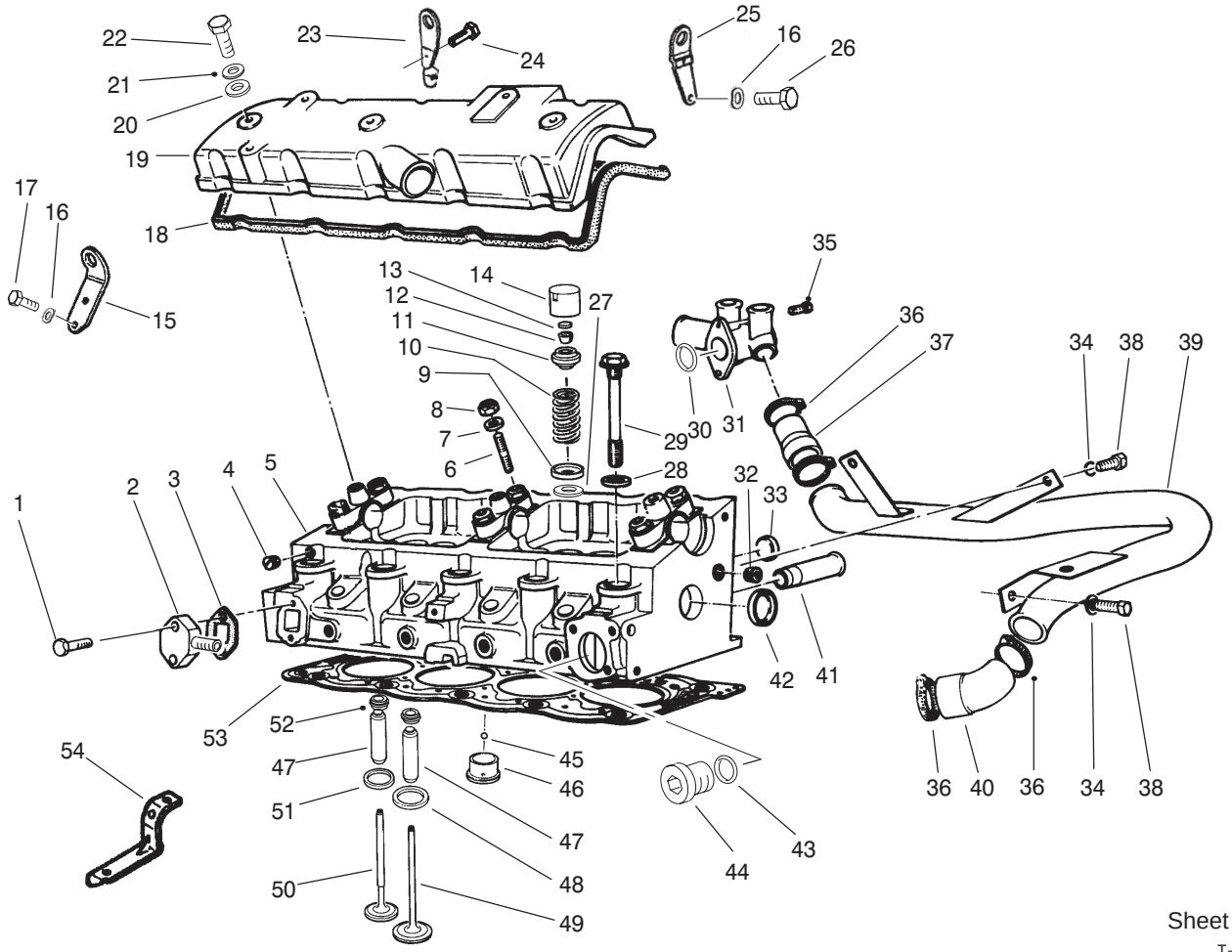
* Not illustrated



Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description
1	94–3145	1	Screw–Pulley
2	74–8080	1	Washer
3	94–3144	1	Pulley–Crankshaft
4	74–8100	1	Pinion Gear
5	74–8110	1	Oil Pump Sprocket
6	74–8120	2	Key – Woodruff
7	94–3150	4	Screw–HH
8	94–3151	6	Washer–Spring
9	74–8140	1	Cover
10	74–8150	1	Cover Gasket
11	94–3148	1	Gasket
12	74–8170	5	Bearing Set (STD)
12	74–8180	2	Bearing Set (.30mm Os)
13	74–8200	2	Thrust Bearing Set
13	74–8210	2	Thrust Bearing Set
13	74–8220	2	Thrust Bearing Set
13	94–3141	2	Flange Set
14	74–8230	1	Crank Shaft
15	74–8240	1	Seal
16	74–7990	1	Spring Pin
17	94–3149	1	Gear–Flywheel
18	74–8270	3	Pin
19	74–8280	8	Screw Hex Hd
20	74–8290	2	Cap–Bearing
21	74–8300	8	Piston Pin Clip

Ref. No.	Part No.	Qty.	Description
22	74–8310	4	Piston Pin
23	74–8320	4	Piston Ring Set
23	74–8330	4	Piston Ring Set
23	74–8340	4	Piston Ring Set
23	94–3158	4	Piston Ring Set
24	94–3154	4	Bushing
25	94–3153	4	Connecting Rod Set
27	74–8380	4	Bearing–Connecting Rod
27	94–3155	1	Bearing Set–1st Repair
28	74–8400	8	Bolt – Connecting Rod
29	74–8420	1	Piston Set
29	74–8430	1	Piston Set
29	74–8440	1	Piston Set
29	94–3157	1	Piston Set
33	94–3152	2	Screw–HH
34	74–8260	1	Flywheel



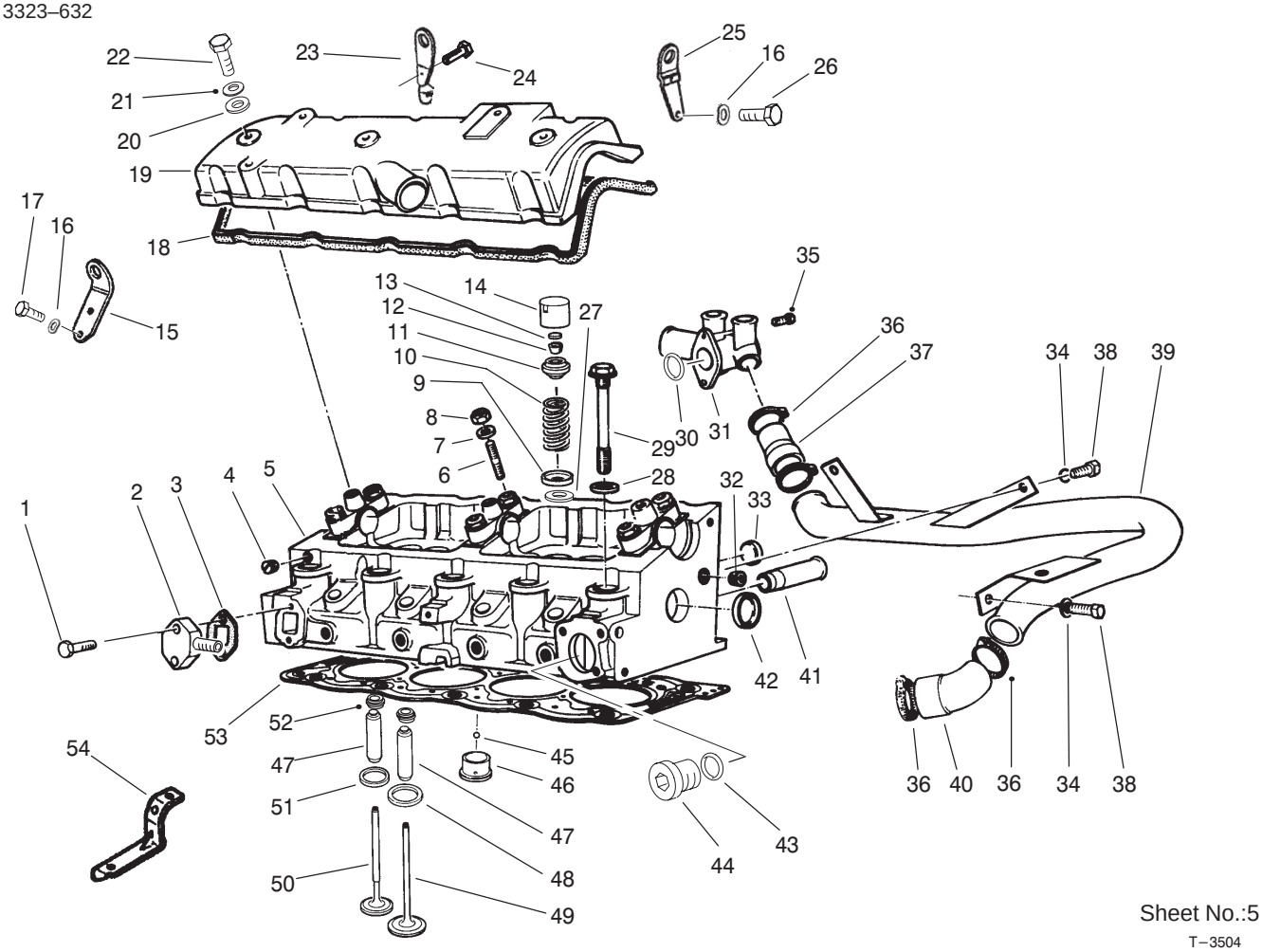
Sheet No.:5

T–3504

Cylinder Head Assembly

Ref. No.	Part No.	Qty.	Description
1	94–3123	2	Capscrew
2	94–3117	1	Plate
3	94–3116	1	Gasket
4	74–7600	4	Plug
5	94–3113	1	Cylinder Head
5	94–9965	1	Cylinder Head ASM
6	76–5130	6	Stud
7	74–8900	6	Washer – Flat
8	94–3115	6	Nut
9	74–6570	8	Cup–Lower Valve Spring
10	74–6560	8	Valve Spring
11	74–6550	8	Cup
12	74–7240	16	Split Collar
13	74–6580	8	Insert – Valve (1.65mm)
13	74–6590	8	Insert –Valve (1.725mm)
13	74–6600	8	Insert –Valve (1.800mm)
13	74–6610	8	Insert –Valve (1.900mm)
13	74–6620	8	Insert –Valve (1.975mm)
13	74–6630	8	Insert –Valve (2.050mm)

Ref. No.	Part No.	Qty.	Description
13	74–6640	8	Insert –Valve (2.125mm)
13	74–6650	8	Insert –Valve (2.225mm)
13	74–6660	8	Insert –Valve (2.250mm)
13	74–6670	8	Insert –Valve (2.275mm)
13	74–6680	8	Insert –Valve (2.300mm)
13	74–6690	8	Insert –Valve (2.325mm)
13	74–6700	8	Insert –Valve (2.350mm)
13	74–6710	8	Insert –Valve (2.375mm)
13	74–6720	8	Insert –Valve (2.400mm)
13	74–6730	8	Insert –Valve (2.425mm)
13	74–6740	8	Insert –Valve (2.450mm)
13	74–6750	8	Insert –Valve (2.475mm)
13	74–6760	8	Insert –Valve (2.500mm)



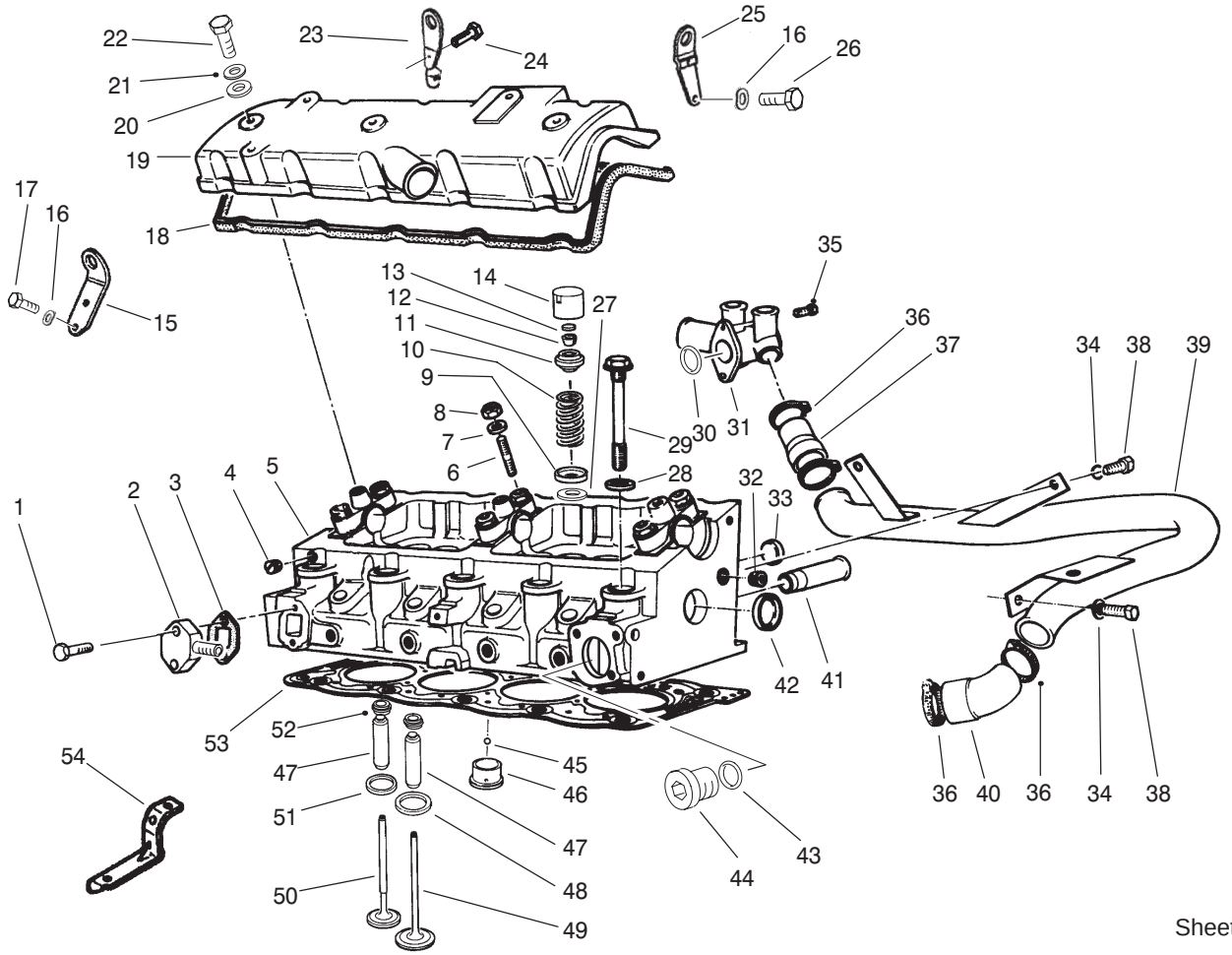
Sheet No.:5

T–3504

Cylinder Head Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
13	74–6770	8	Insert –Valve (2.525mm)
13	74–6780	8	Insert –Valve (2.550mm)
13	74–6790	8	Insert –Valve (2.575mm)
13	74–6800	8	Insert –Valve (2.600mm)
13	74–6810	8	Insert –Valve (2.625mm)
13	74–6820	8	Insert –Valve (2.650mm)
13	74–6830	8	Insert –Valve (2.675mm)
13	74–6840	8	Insert –Valve (2.700mm)
13	74–6850	8	Insert –Valve (2.725mm)
13	74–6860	8	Insert –Valve (2.750mm)
13	74–6870	8	Insert –Valve (2.775mm)
13	74–6880	8	Insert –Valve (2.800mm)
13	74–6890	8	Insert –Valve (2.825mm)

Ref. No.	Part No.	Qty.	Description
13	74–6900	8	Insert –Valve (2.850mm)
13	74–6910	8	Insert –Valve (2.875mm)
13	74–6920	8	Insert –Valve (2.900mm)
13	74–6930	8	Insert –Valve (2.925mm)
13	74–6940	8	Insert –Valve (2.950mm)
13	74–6950	8	Insert –Valve (2.975mm)
13	74–6960	8	Insert –Valve (3.000mm)
13	74–6970	8	Insert –Valve (3.025mm)
13	74–6980	8	Insert –Valve (3.050mm)
13	74–6990	8	Insert –Valve (3.075mm)
13	74–7000	8	Insert –Valve (3.100mm)
13	74–7010	8	Insert –Valve (3.125mm)
13	74–7020	8	Insert –Valve (3.150mm)



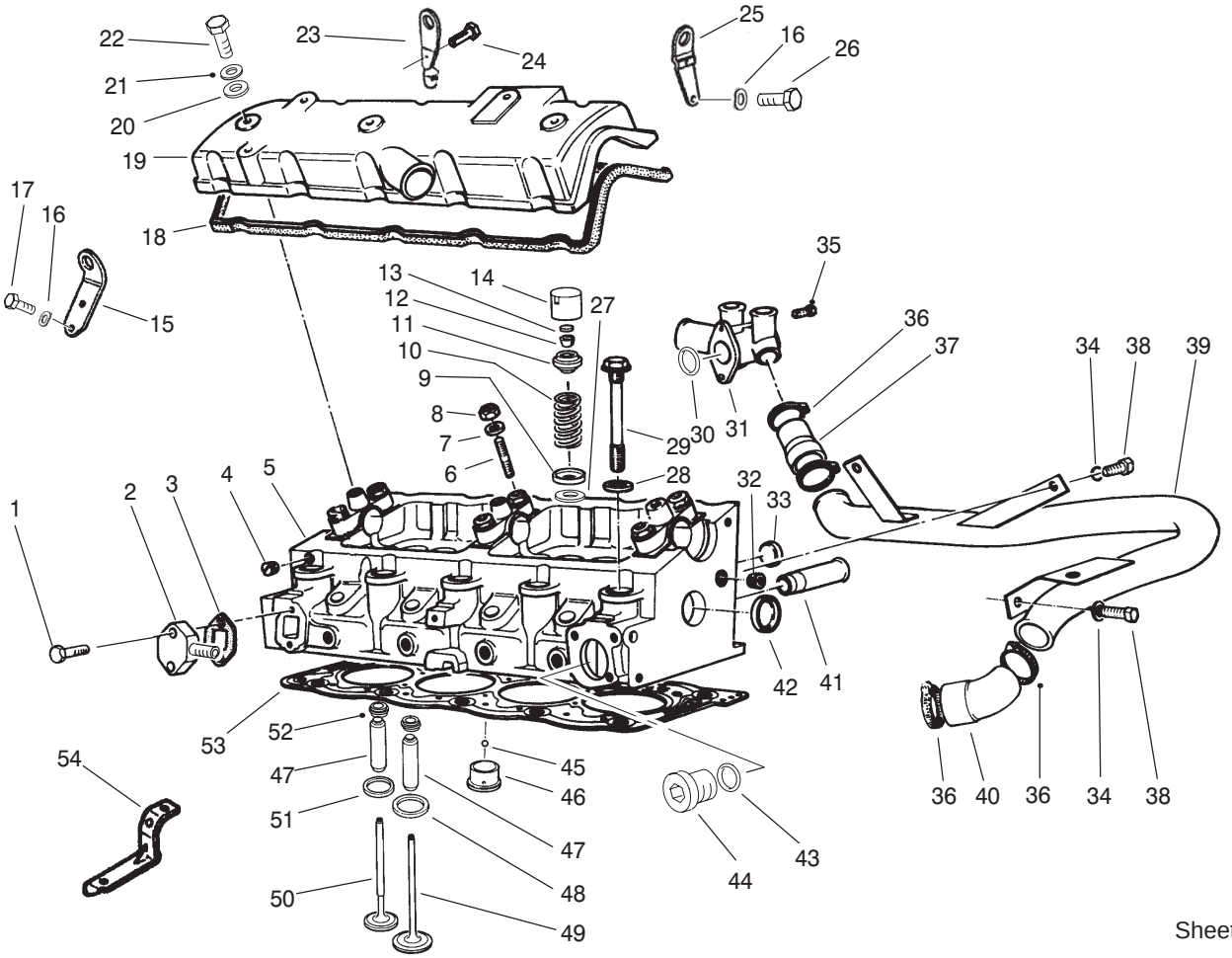
Sheet No.:5

T–3504

Cylinder Head Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
13	74–7030	8	Insert –Valve (3.175mm)
13	74–7040	8	Insert –Valve (3.200mm)
13	74–7050	8	Insert –Valve (3.225mm)
13	74–7060	8	Insert –Valve (3.250mm)
13	74–7070	8	Insert –Valve (3.275mm)
13	74–7080	8	Insert –Valve (3.300mm)
13	74–7090	8	Insert –Valve (3.325mm)
13	74–7100	8	Insert –Valve (3.350mm)
13	74–7110	8	Insert –Valve (3.375mm)
13	74–7120	8	Insert –Valve (3.400mm)
13	74–7130	8	Insert –Valve (3.425mm)
13	74–7140	8	Insert –Valve (3.450mm)
13	74–7150	8	Insert –Valve (3.475mm)

Ref. No.	Part No.	Qty.	Description
13	74–7160	8	Insert –Valve (3.500mm)
13	74–7170	8	Insert –Valve (3.550mm)
13	74–7180	8	Insert –Valve (3.625mm)
13	74–7190	8	Insert –Valve (3.700mm)
13	74–7200	8	Insert –Valve (3.775mm)
13	74–7210	8	Insert –Valve (3.850mm)
13	74–7220	8	Insert –Valve (3.925mm)
13	74–7230	8	Insert –Valve (4.000mm)
14	74–6540	8	Tappet – Valve
15	94–3155	1	Bearing Set–1st Repair
16	74–7560	3	Lockwasher
17	76–5470	2	Capscrew – Hex Head
18	74–7630	1	Gasket – Valve Cover
19	74–7640	1	Valve Cover
20	74–7650	3	Washer – Flat
21	94–3125	3	Washer–Plate
22	94–3124	3	Screw–HH



Sheet No.:5

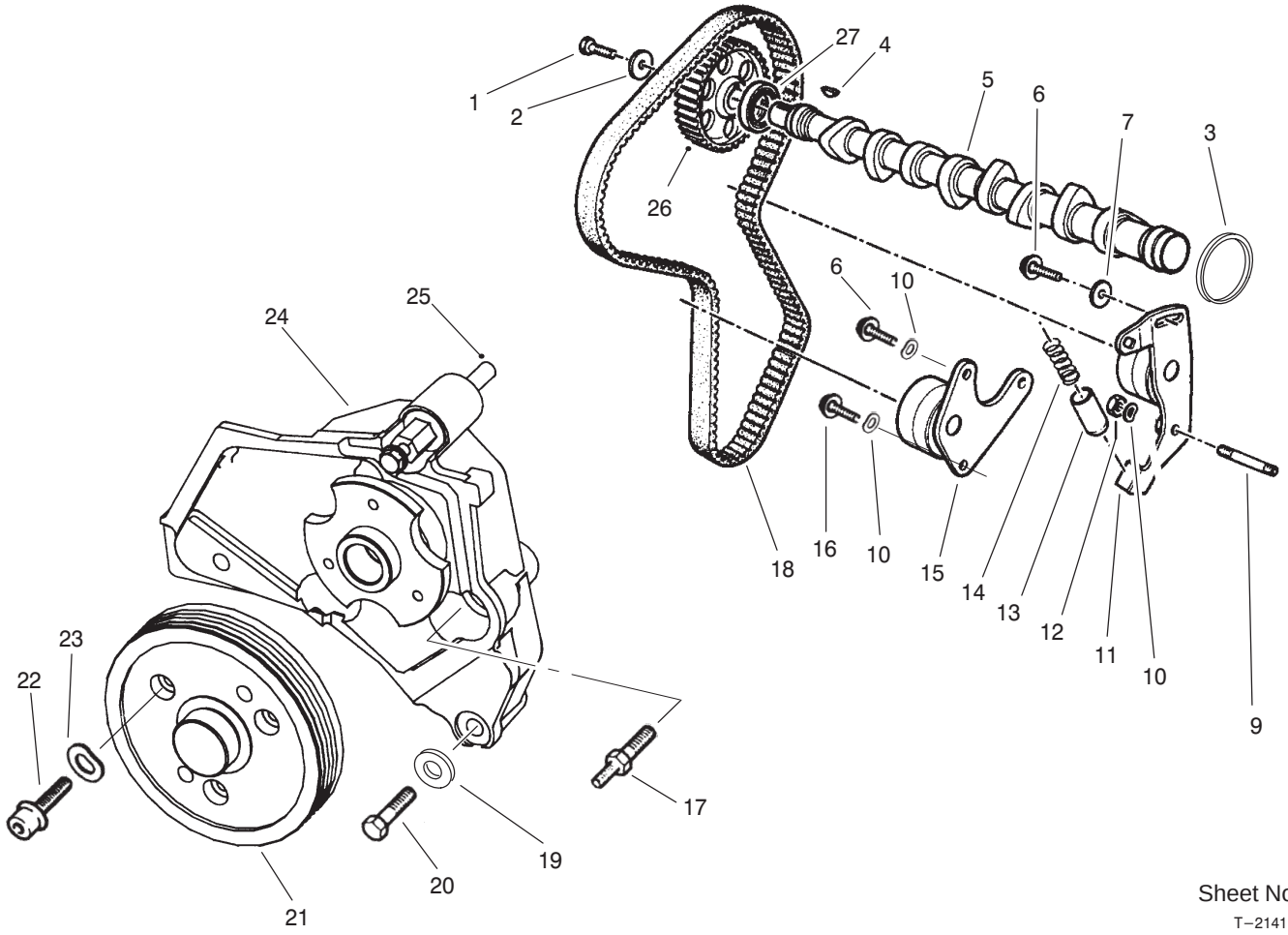
T–3504

Cylinder Head Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
23	94–3136	1	Bracket–Lifting
24	94–3138	1	Screw–HH
25	94–3137	1	Bracket–Lifting
26	94–3139	1	Screw
27	94–3174	8	Washer–Repair
28	74–7270	10	Washer–Flat
29	74–7260	10	Head Bolt
30	94–3197	1	O–Ring
31	94–3196	1	Water–Inlet
32	94–3118	1	Plug
33	74–7840	2	Plug
33	94–3108	2	Plug–27.5mm
33	94–3109	2	Plug–28.5mm
34	68–9420	5	Washer–Lock
35	48–9460	2	Capscrew–Hex
36	2412–129	4	Clamp–Hose
37	94–3200	1	Hose–By Pass
38	48–7700	3	Screw
39	94–3199	1	Pipe–By Pass
40	94–3201	1	Hose–By Pass
41	74–7400	1	Tube
42	74–7840	2	Plug
43	94–3122	1	Gasket
44	94–3121	1	Plug
45	74–7420	4	Ball
46	74–7430	4	Chamber–Turbulence

Ref. No.	Part No.	Qty.	Description
46	74–7440	4	Chamber – Turbulence
47	92–7792	8	Valve Guide (14.29 Mm)
47	92–7793	8	Valve Guide (14.59 Mm)
48	74–7450	4	Exhaust Valve Seat
48	74–7460	4	Seat–Intake Valve (39.5)
49	74–7480	4	Intake Valve
50	92–7794	4	Valve – Exhaust
51	92–7795	4	Valve Seat
52	92–7791	8	Valve – Stem Seal
53	94–8132	1	Gasket – Head, 1.48
53	94–8133	1	Gasket – Head, 1.52
53	94–8134	1	Gasket – Head, 1.58
53	94–8135	1	Gasket – Head, 1.62
54	94–3120	1	Bracket
*55	74–7670	1	Head Bolt & Washer Set
*56	94–3119	1	Gasket Set

* Not illustrated



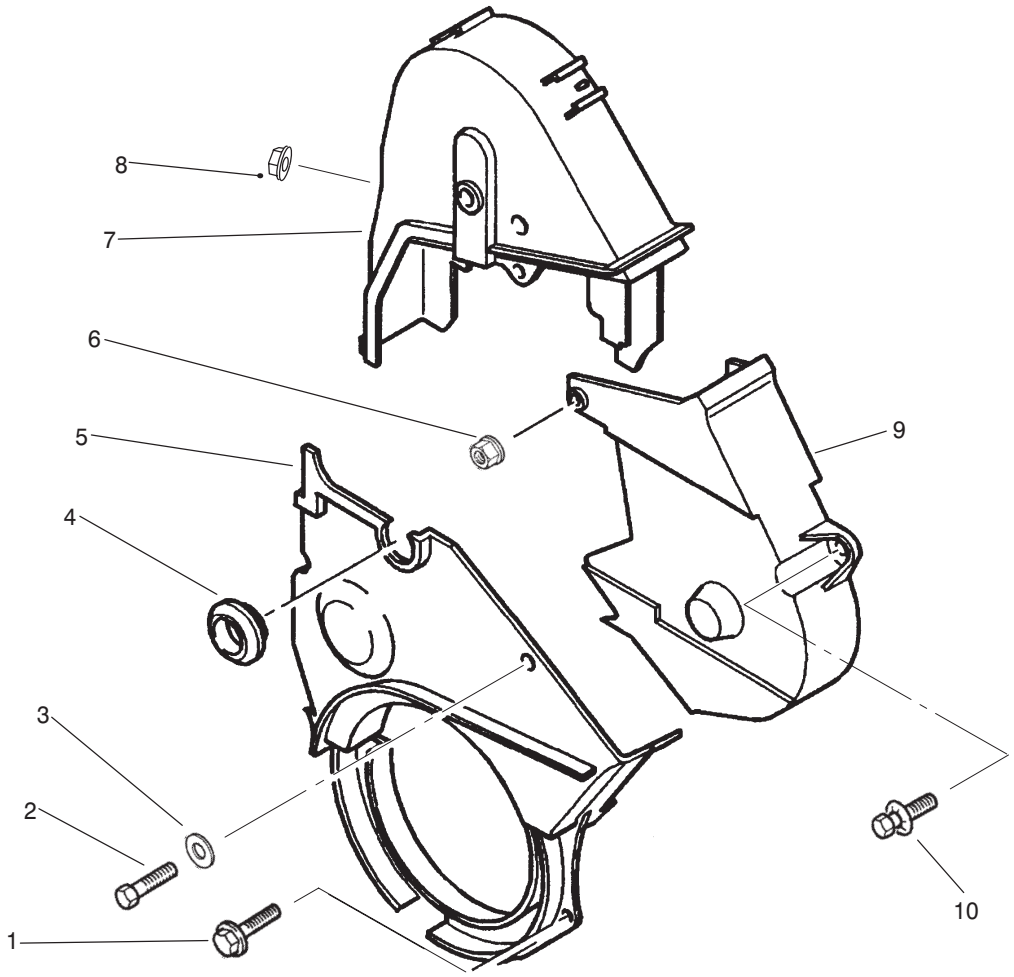
Sheet No.:6

T–2141–2

Camshaft and Fan Support Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9968	2	Screw
2	77–3450	2	Washer
3	77–3420	1	Gasket
4	98–9967	1	Key
5	77–3400	1	Cam Shaft
6	94–3163	1	Screw–HH
7	94–3166	1	Washer–Plate
8	94–9994	1	Gasket – Camshaft
9	94–3162	1	Stud
10	94–3164	4	Washer–Spring
11	94–3159	1	Tensioner
12	94–3165	1	Nut–Hex
13	77–3520	1	Cup
14	77–3510	1	Spring
15	94–3160	1	Roller
16	94–3161	2	Screw–HH
17	94–3170	1	Screw
18	74–8830	1	Belt – Timing
19	94–3172	3	Washer
20	94–3171	2	Screw–HH
21	94–3168	1	Pulley–Fan
22	94–3173	3	Capscrew
23	76–5010	3	Washer–Spring
24	94–3167	1	Bracket–Fan
25	94–3169	1	Screw
26	98–9966	1	Gear – Camshaft

Ref. No.	Part No.	Qty.	Description

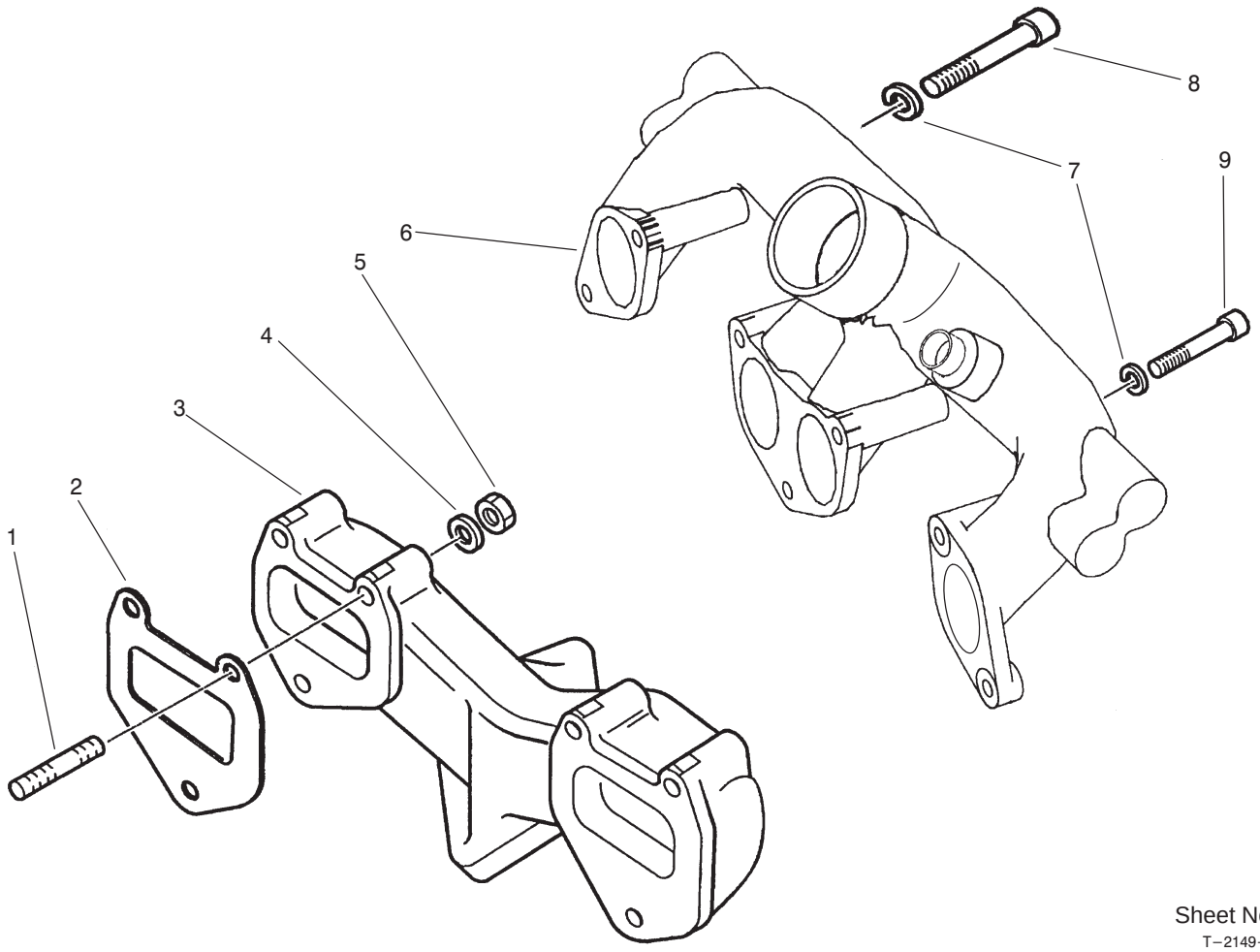


Sheet No.:7
T–2140–1

Timing Cover Assembly

Ref. No.	Part No.	Qty.	Description
1	94–3132	2	Screw–HHF
2	94–3130	1	Screw–HH
3	94–3125	1	Washer–Plate
4	94–3129	1	Plug
5	94–3126	1	Protector–Lower
6	94–3133	1	Nut–w/Washer
7	94–3127	1	Timing Case–Left
8	94–3134	1	Nut
9	94–3128	1	Timing Case Right
10	94–3131	1	Screw–HH

Ref. No.	Part No.	Qty.	Description



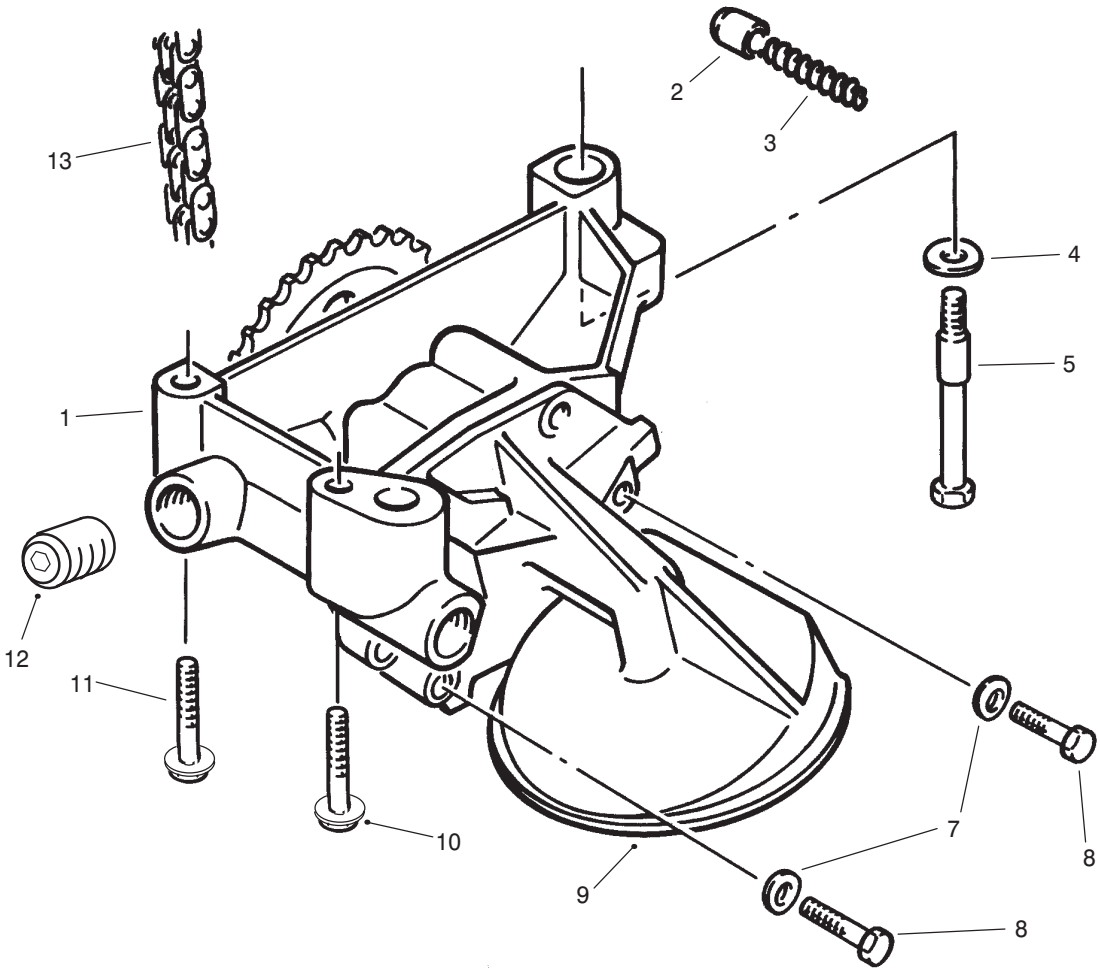
Sheet No.:8
T–2149–2

Intake and Exhaust Manifold Assembly

Ref. No.	Part No.	Qty.	Description
1	77–3300	6	Stud
2	77–3310	2	Gasket
3	77–3340	1	Manifold – Exhaust
4	68–9420	6	Washer–Lock
5	77–3320	6	Nut – Hex
6	94–3215	1	Manifold–Intake
7	94–3164	7	Washer–Spring
8	94–3216	5	Capscrew
9	94–3217	4	Capscrew
9	94–3218	1	Screw
*11	94–2815	1	Sleeve – Exhaust Flange
*12	94–2814	1	Kit – Exhaust Coupler

Ref. No.	Part No.	Qty.	Description

* Not illustrated

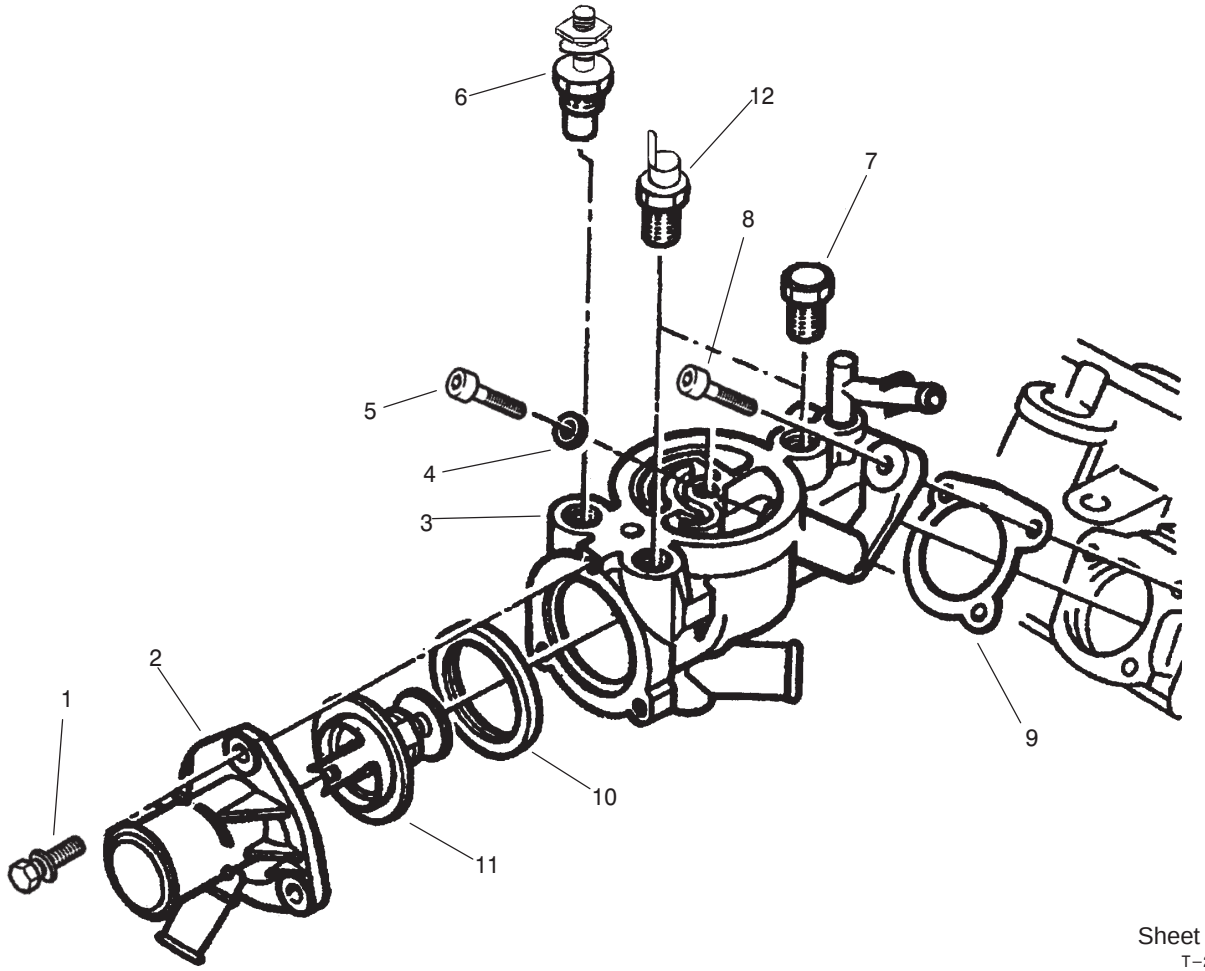


Sheet No.:9
T–0964–1

Oil Pump Assembly

Ref. No.	Part No.	Qty.	Description
1	76–5070	1	Oil Pump ASM
2	94–3176	1	Valve–Relief
3	76–5090	1	Piston Spring
4	94–3179	3	Washer–Spring
5	76–5100	1	Bolt–Shoulder
6	76–5010	5	Washer–Spring
7	94–3124	2	Screw–HH
9	94–3178	1	Strainer
10	77–3470	1	Screw
11	77–3490	1	Screw
12	94–3177	2	Plug
13	76–5170	1	Chain–Drive, Pump

Ref. No.	Part No.	Qty.	Description

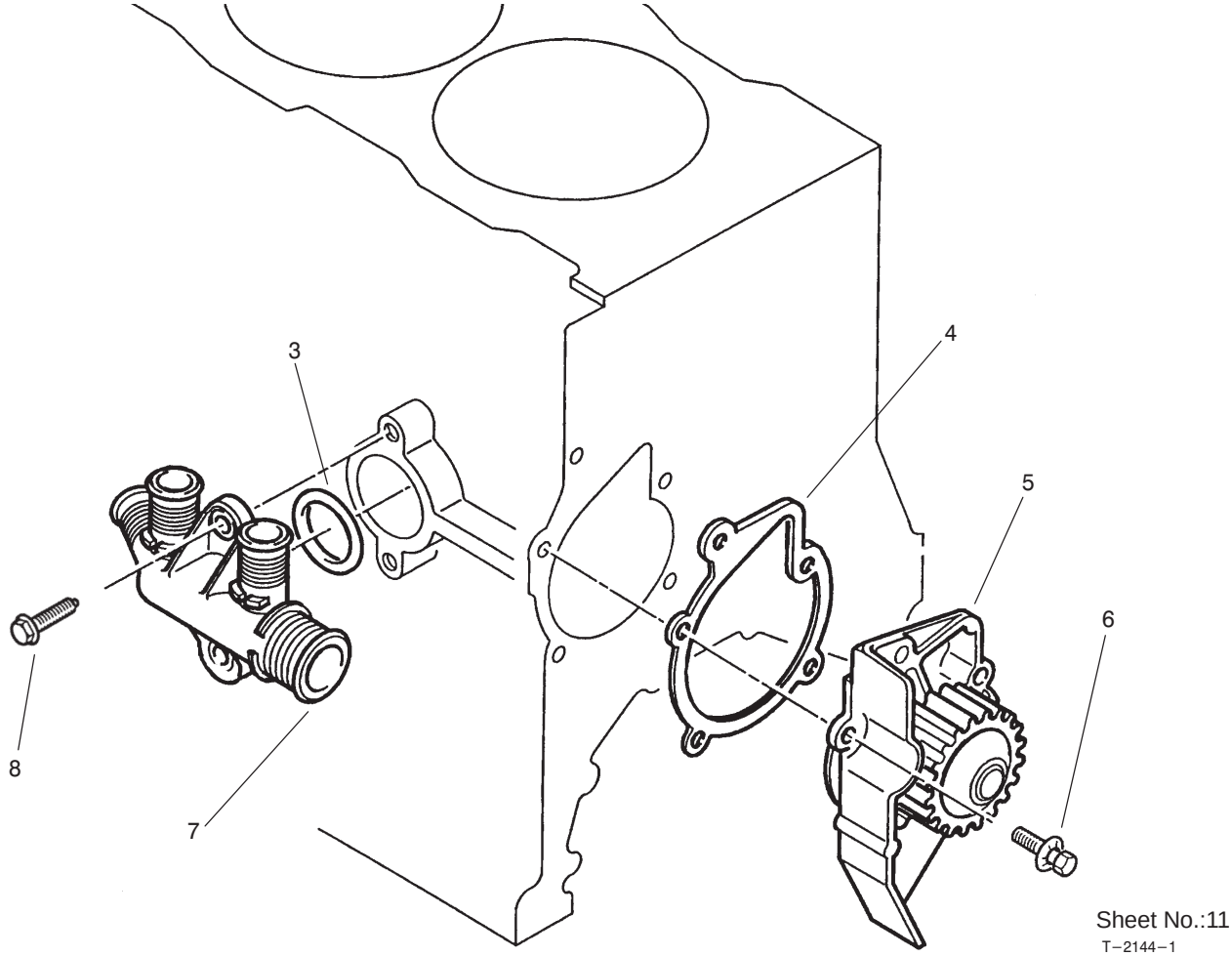


Sheet No.:10
T–2143–1

Collector Assembly

Ref. No.	Part No.	Qty.	Description
1	94–3131	3	Screw–HH
2	94–3208	1	Outlet Stub
3	94–3205	1	Outlet Box
4	94–3207	1	Ring
5	94–3214	1	Capscrew
6	76–5380	1	Temp Sending Unit
7	94–3212	1	Plug
8	94–3213	1	Capscrew
9	94–3206	1	Gasket
10	94–3210	1	Gasket
11	94–3209	1	Thermostat
12	76–5400	1	Switch – Temp 105 DEG C

Ref. No.	Part No.	Qty.	Description



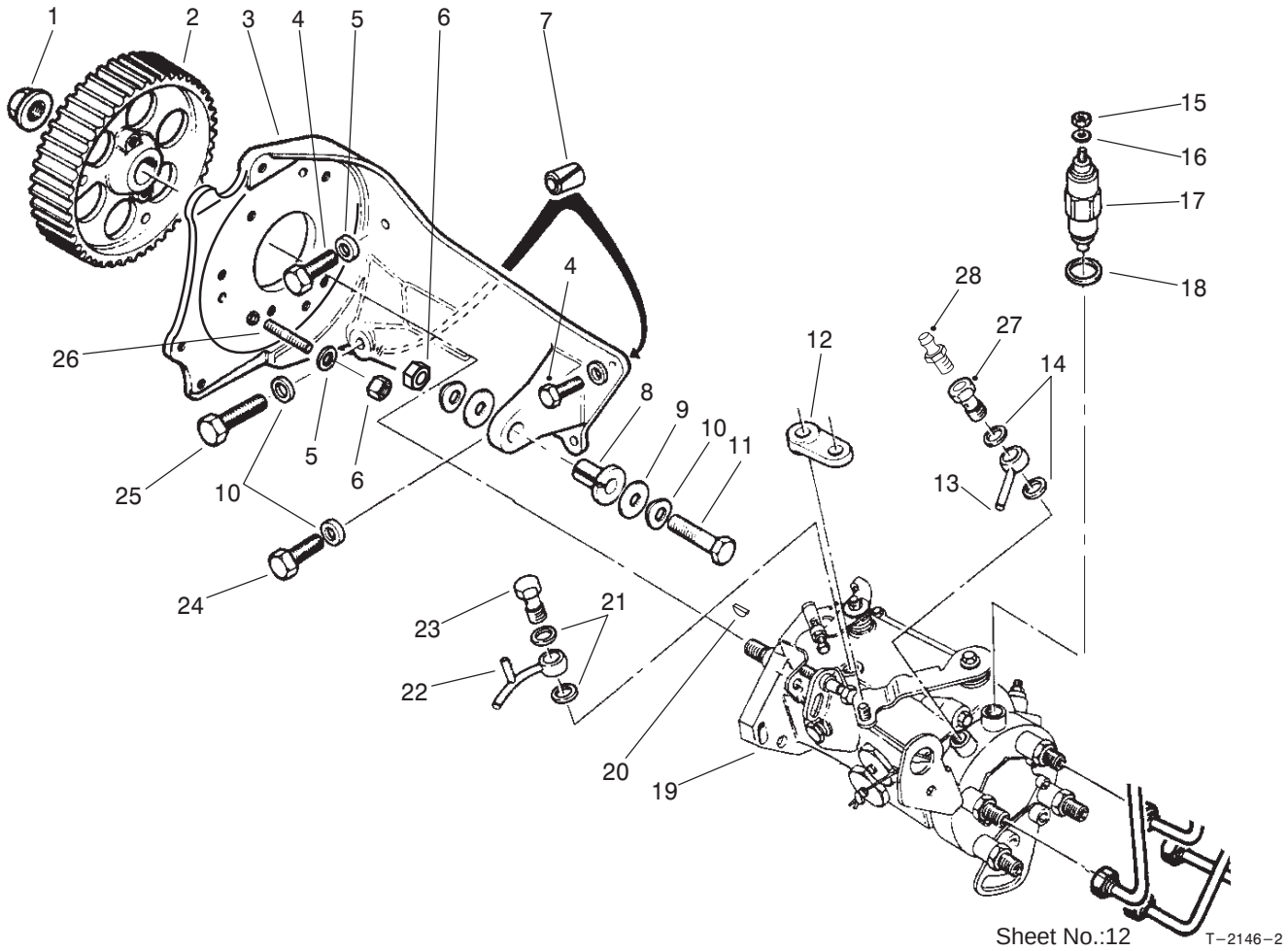
Sheet No.:11
T–2144–1

Water Pump Assembly

Ref. No.	Part No.	Qty.	Description
3	94–3197	1	O–Ring
4	94–3195	1	Gasket–Water Pump
5	94–3194	1	Cover–Water Pump
6	76–5500	5	Capscrew Hex Hd
7	94–3196	1	Water–Inlet
8	94–3198	2	Screw–HHF

Ref. No.	Part No.	Qty.	Description

* Not illustrated

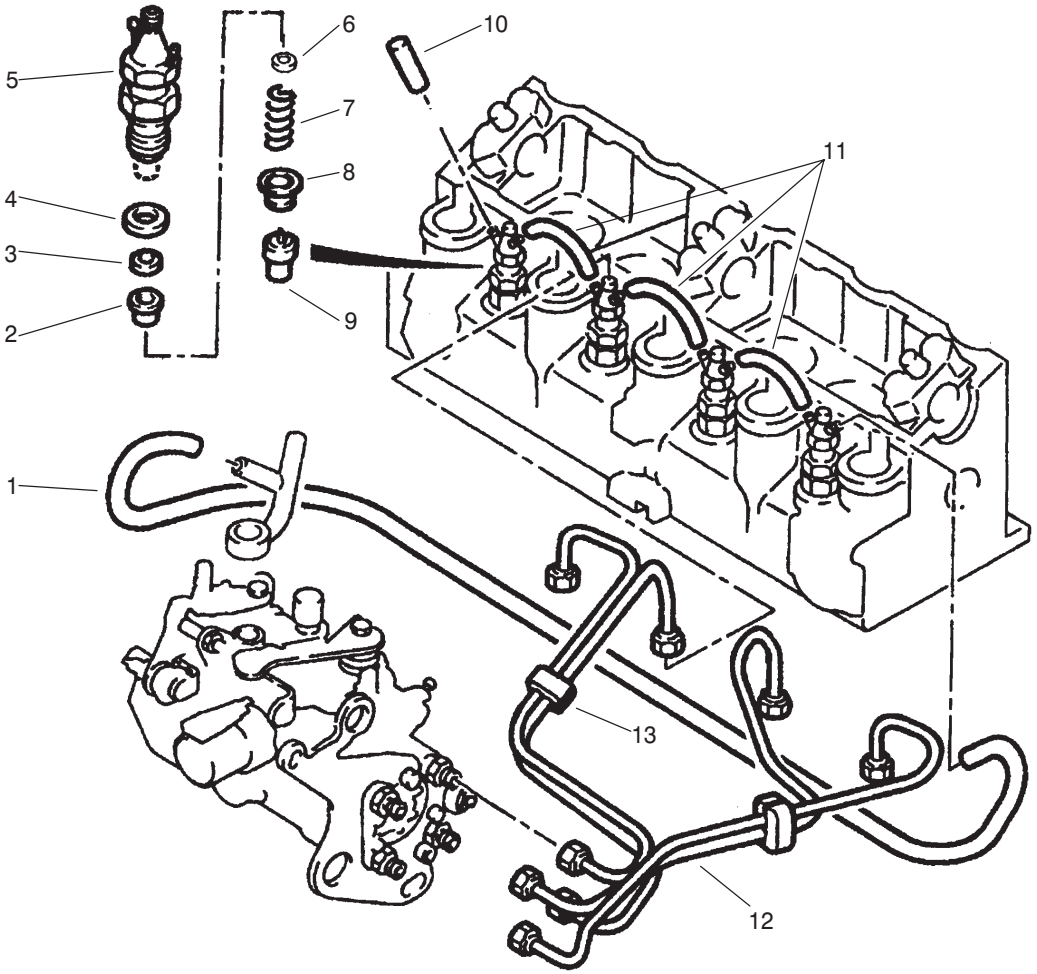


Sheet No.:12 T–2146–2

Fuel Injection Pump Assembly

Ref. No.	Part No.	Qty.	Description
1	76–4950	1	Flange Nut
2	76–4940	1	Pump Pulley
3	94–3220	1	Bracket
4	94–3225	2	Screw–HH
5	76–4930	3	Washer
6	94–3165	4	Nut–Hex
7	74–8610	2	Spring Pin
8	74–8630	1	Flange Bushing
9	94–3224	2	Washer–Plate
10	94–3164	6	Washer–Spring
11	94–3221	1	Screw–HH
12	74–8650	1	Pacer
13	74–8670	1	Fuel Inlet ASM
14	74–8680	2	Gasket
15	94–3251	1	Nut–Lock
16	74–8710	1	Washer
17	93–5856	1	Solenoid Valve
18	94–3274	1	O–Ring
19	94–3219	1	Pump–Injection
20	94–3222	1	Key
21	74–8870	2	Gasket
22	94–3249	1	Outlet Tube
23	94–3250	1	Screw
24	94–3161	1	Screw–HH
25	94–3223	1	Screw–HH
26	76–4910	3	Stud

Ref. No.	Part No.	Qty.	Description
27	94–9969	1	Screw – Connection
28	94–9970	1	Screw – Purge



Sheet No.:13

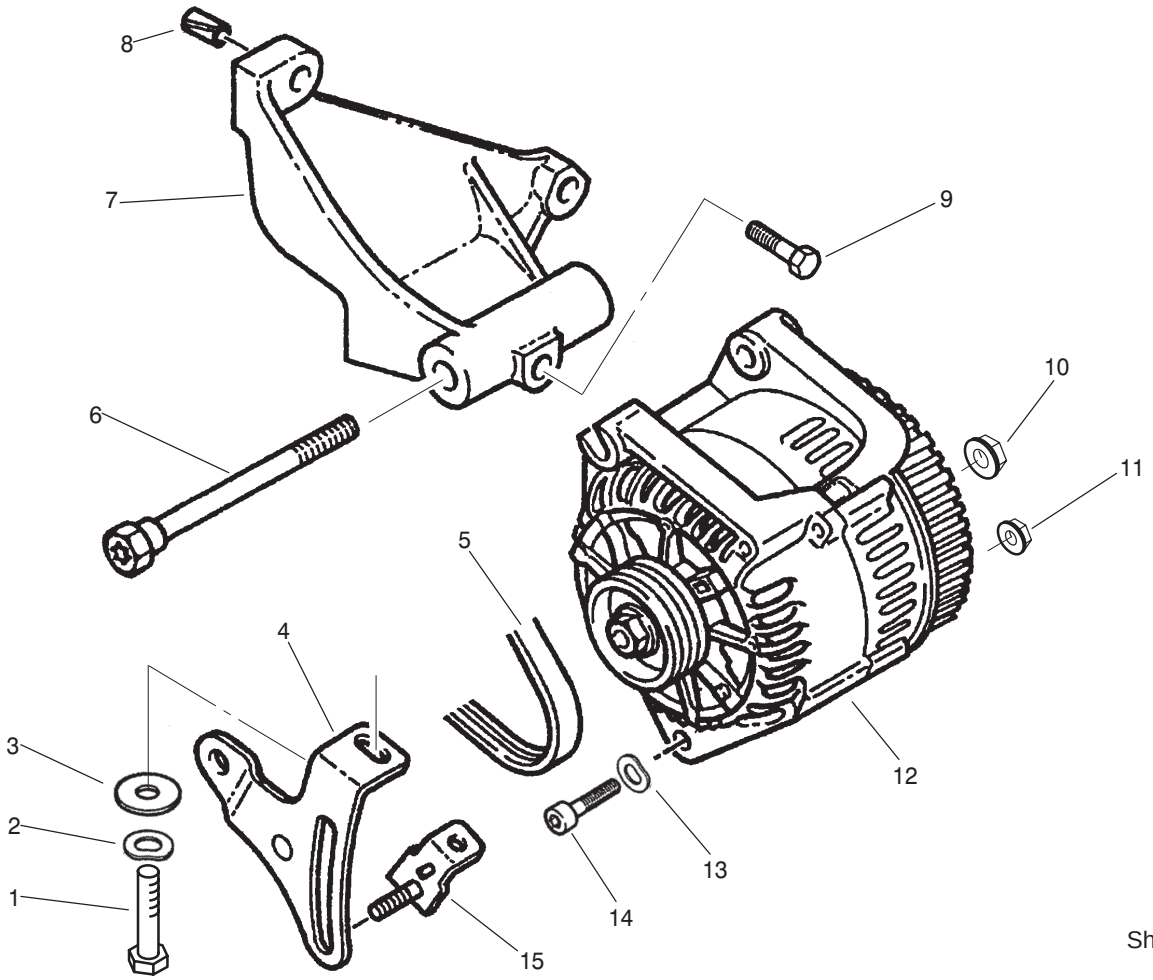
T–2145–1

Fuel Injector Assembly

Ref. No.	Part No.	Qty.	Description
1	94–3230	1	Hose – Injection
2	76–5540	4	Injector Bushing
3	76–5530	4	Washer
4	94–3226	4	Gasket–Injector
5	76–5520	4	Fuel Injector Holder
6	94–3232	4	Washer–Calibration (.79)
6	94–3233	4	Washer–Calibration (.82)
6	94–3234	4	Washer–Calibration (.85)
6	94–3235	4	Washer–Calibration (.88)
6	94–3236	4	Washer–Calibration (.91)
6	94–3237	4	Washer–Calibration (.94)
6	94–3238	4	Washer–Calibration (.97)
6	94–3239	4	Washer–Calibration (1.0)
6	94–3240	4	Washer–Calibration (1.03)
6	94–3241	4	Washer–Calibration (1.06)

Ref. No.	Part No.	Qty.	Description
6	94–3242	4	Washer–Calibration (1.30)
6	94–3243	4	Washer–Calibration (1.33)
6	94–3244	4	Washer–Calibration (1.36)
6	94–3245	4	Washer–Calibration (1.39)
6	94–3246	4	Washer–Calibration (1.42)
6	94–3247	4	Washer–Calibration (1.45)
6	94–3248	4	Washer–Calibration (1.48)
7	94–3228	4	Spring
8	94–3227	4	Spacer
9	94–8147	4	Nozzle – Injector
10	74–8770	1	Plug
11	94–3229	3	Hose – Injector
12	74–8750	1	Injection Tube Set
13	94–3231	2	Bracket
*14	76–5600	4	Fuel Injector ASM

* Not illustrated

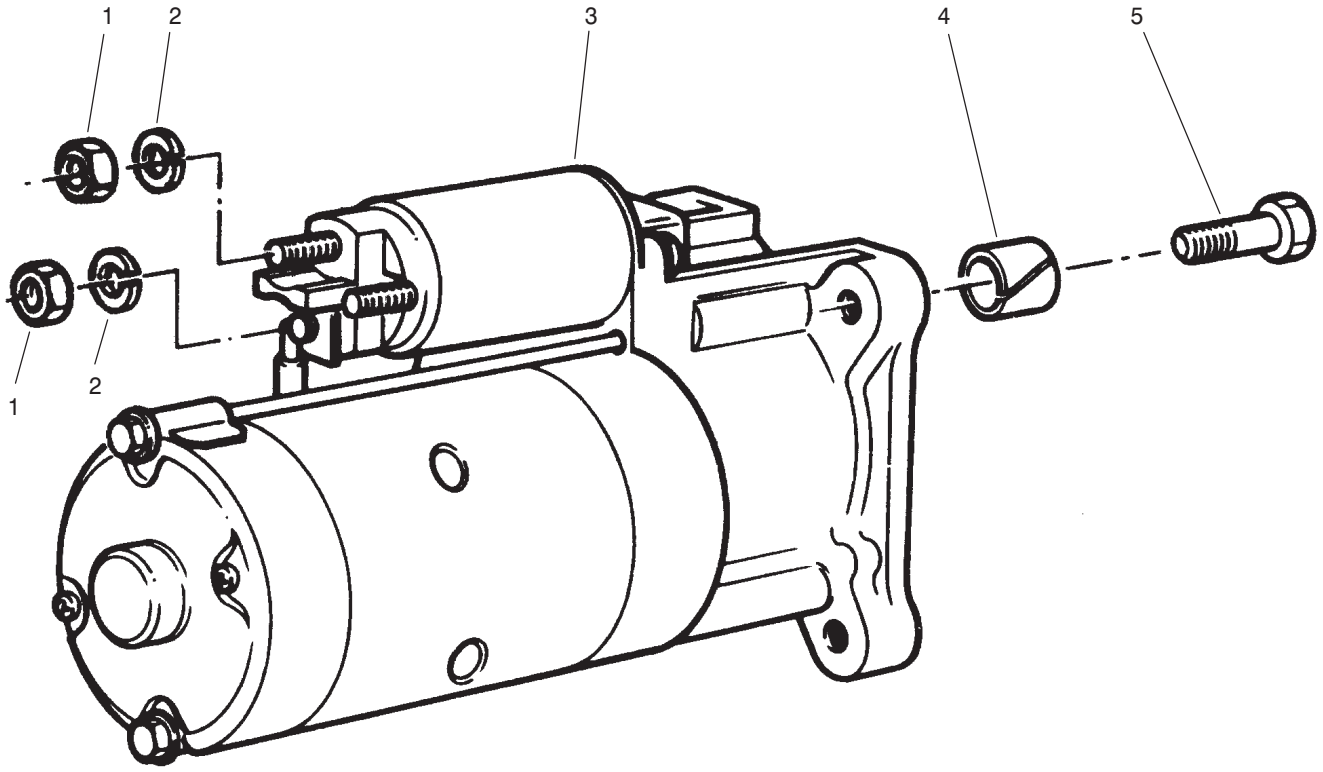


Sheet No.:14
T–2147–1

Alternator Assembly

Ref. No.	Part No.	Qty.	Description
1	76–5060	1	Screw–HH
2	76–5010	1	Washer–Spring
3	94–3260	1	Washer–Flat
4	94–3255	1	Slide
5	94–3256	1	Belt
6	94–3254	1	Screw
7	94–3253	1	Bracket–Alternator
8	74–8610	2	Spring Pin
9	76–5000	1	Adj Bolt
10	94–3262	1	Nut–HHF
11	94–3261	1	Nut–HHF
12	94–3252	1	Alternator
13	94–3257	1	Washer–Spring
14	94–3258	1	Capscrew
15	76–4990	1	Bolt–Slide

Ref. No.	Part No.	Qty.	Description

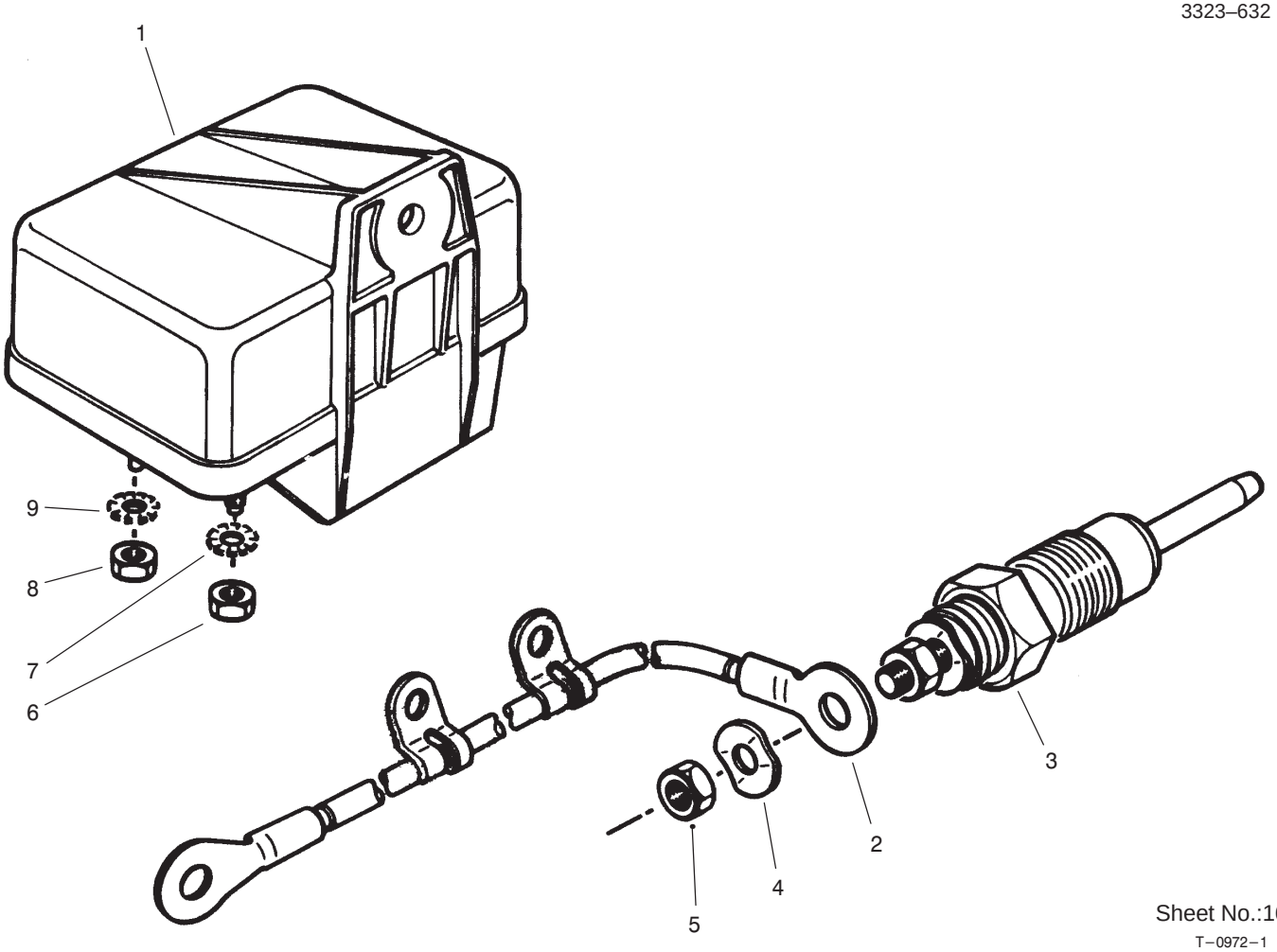


Sheet No.:15
T–0968–1

Starter Assembly

Ref. No.	Part No.	Qty.	Description
1	46–0330	2	Nut–Lock
2	76–5570	2	Lockwasher
3	94–3263	1	Starter
4	76–5590	1	Sleeve–Spring
5	48–7810	3	Screw

Ref. No.	Part No.	Qty.	Description



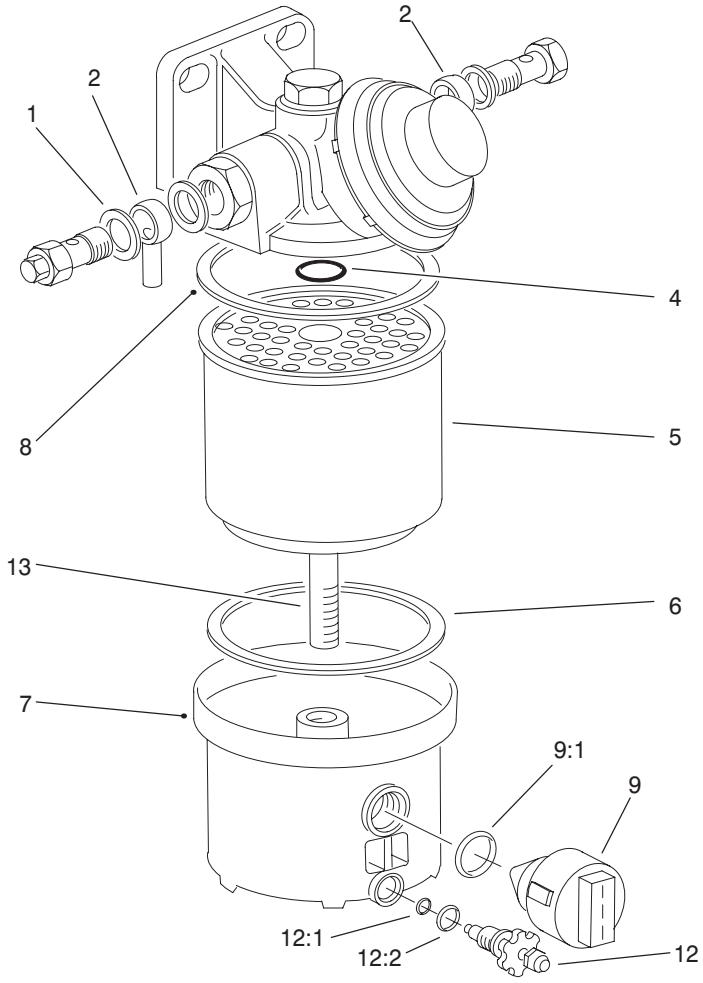
Sheet No.:16

T–0972–1

Glow Plug and Glow Relay

Ref. No.	Part No.	Qty.	Description
1	76–5260	1	Relay–Glow Plug
2	94–3265	4	Glow Plug Cable ASM
3	94–3264	4	Plug–Glow
4	76–5290	4	Spring Washer
5	94–3266	4	Nut
6	94–3267	1	Nut–Lock
7	76–5310	1	Washer
8	94–3251	1	Nut–Lock
9	74–8710	1	Washer

Ref. No.	Part No.	Qty.	Description



5 — 4, 6 & 8

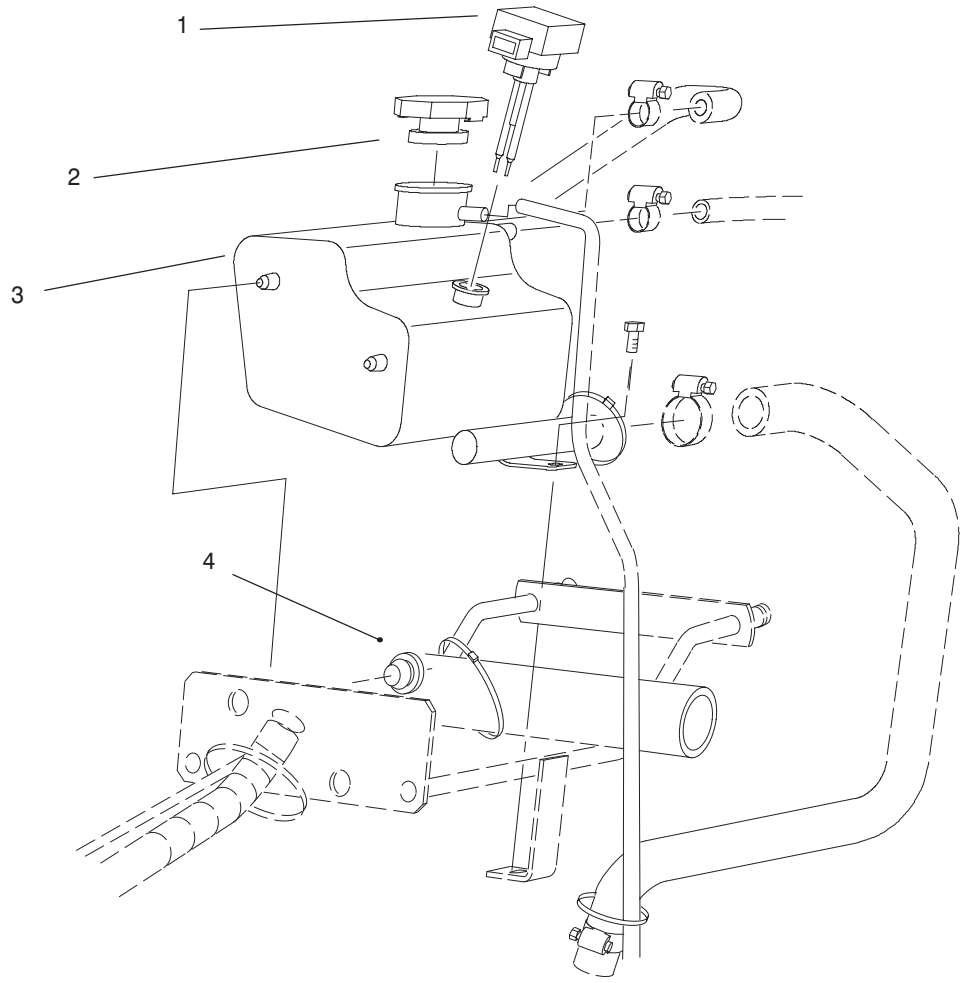
Parts not listed in partlist are not serviced separately.

Sheet No.:17
T–0966–2

Fuel Filter Assembly # 76–5300

Ref. No.	Part No.	Qty.	Description
1	76–5180	4	Copper Washer
2	76–5190	2	Fitting–Adj.
5	76–5220	1	Filter Element
9	76–5320	1	Probe–Water Sensor
9:1	94–8025	1	O–Ring
12	94–8026	1	Screw – Vent
12:1	94–8027	1	O–Ring
12:2	94–8028	1	O–Ring

Ref. No.	Part No.	Qty.	Description



Sheet No.:18

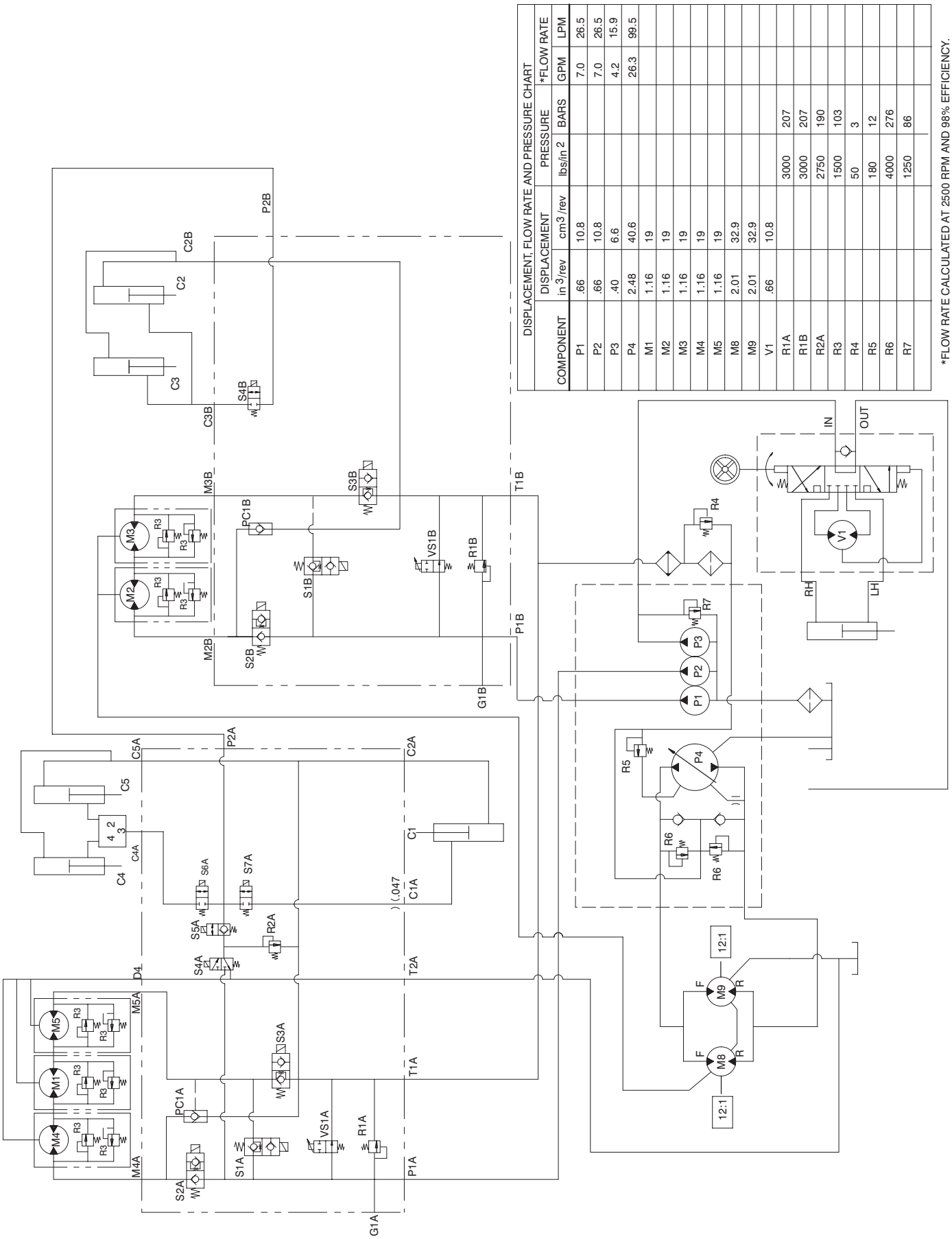
T–3508

Degassing Box Assembly

Ref. No.	Part No.	Qty.	Description
1	94–9984	1	Sensor–Water Level
2	94–2800	1	Cap–Pressure
3	98–1805	1	Degasing Box
4	94–2801	2	Grommet–Rubber

Ref. No.	Part No.	Qty.	Description

Hydraulic Schematic (Model 03803)



DISPLACEMENT, FLOW RATE AND PRESSURE CHART

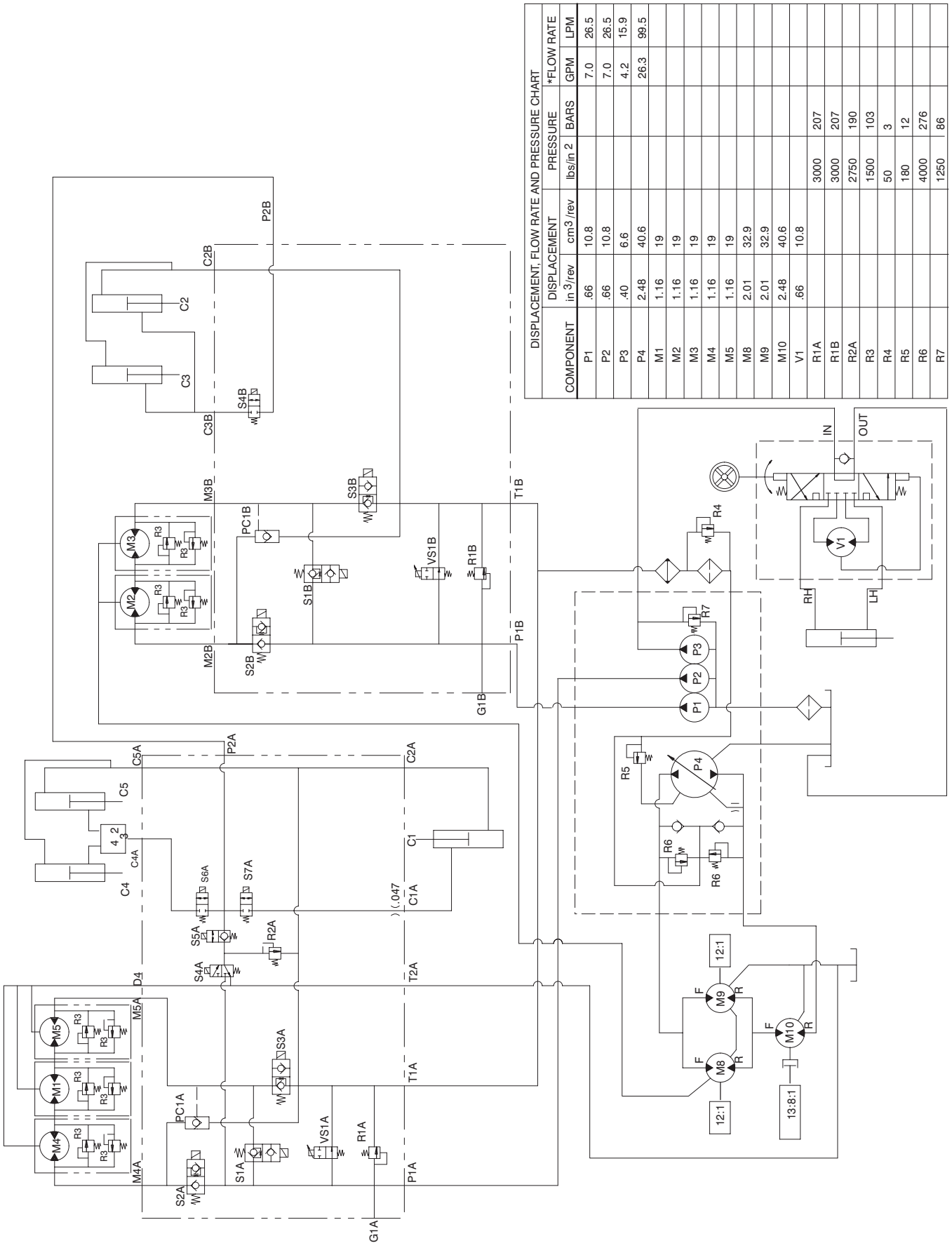
COMPONENT	DISPLACEMENT in³/rev	DISPLACEMENT cm³/rev	PRESSURE lbs/in 2	PRESSURE BARS	*FLOW RATE GPM	*FLOW RATE LPM
P1	.66	10.8			7.0	26.5
P2	.66	10.8			7.0	26.5
P3	.40	6.6			4.2	15.9
P4	2.48	40.6			26.3	99.5
M1	1.16	19				
M2	1.16	19				
M3	1.16	19				
M4	1.16	19				
M5	1.16	19				
M8	2.01	32.9				
M9	2.01	32.9				
V1	.66	10.8				
R1A			3000	207		
R1B			3000	207		
R2A			2750	190		
R3			1500	103		
R4			50	3		
R5			180	12		
R6			4000	276		
R7			1250	86		

*FLOW RATE CALCULATED AT 2500 RPM AND 98% EFFICIENCY.

Sheet No.:29

T–3505

Hydraulic Schematic (Model 03804)



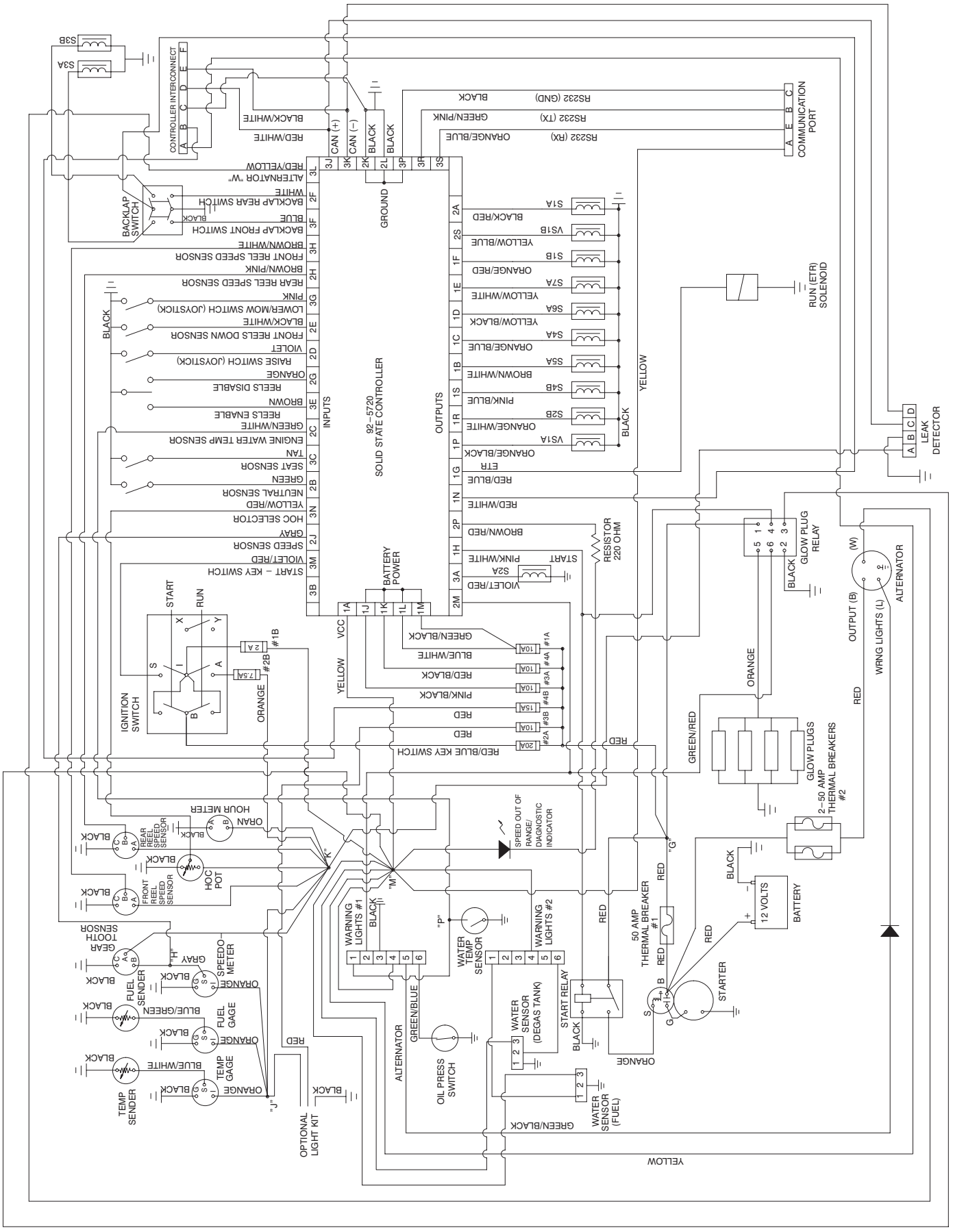
DISPLACEMENT, FLOW RATE AND PRESSURE CHART						
COMPONENT	DISPLACEMENT		PRESSURE		*FLOW RATE	
	in^3/rev	cm^3/rev	lbs/in 2	BARS	GPM	LPM
P1	.66	10.8			7.0	26.5
P2	.66	10.8			7.0	26.5
P3	.40	6.6			4.2	15.9
P4	2.48	40.6			26.3	99.5
M1	1.16	19				
M2	1.16	19				
M3	1.16	19				
M4	1.16	19				
M5	1.16	19				
M8	2.01	32.9				
M9	2.01	32.9				
M10	2.48	40.6				
V1	.66	10.8				
R1A			3000	207		
R1B			3000	207		
R2A			2750	190		
R3			1500	103		
R4			50	3		
R5			180	12		
R6			4000	276		
R7			1250	86		

*FLOW RATE CALCULATED AT 2500 RPM AND 98% EFFICIENCY.

Sheet No.:30

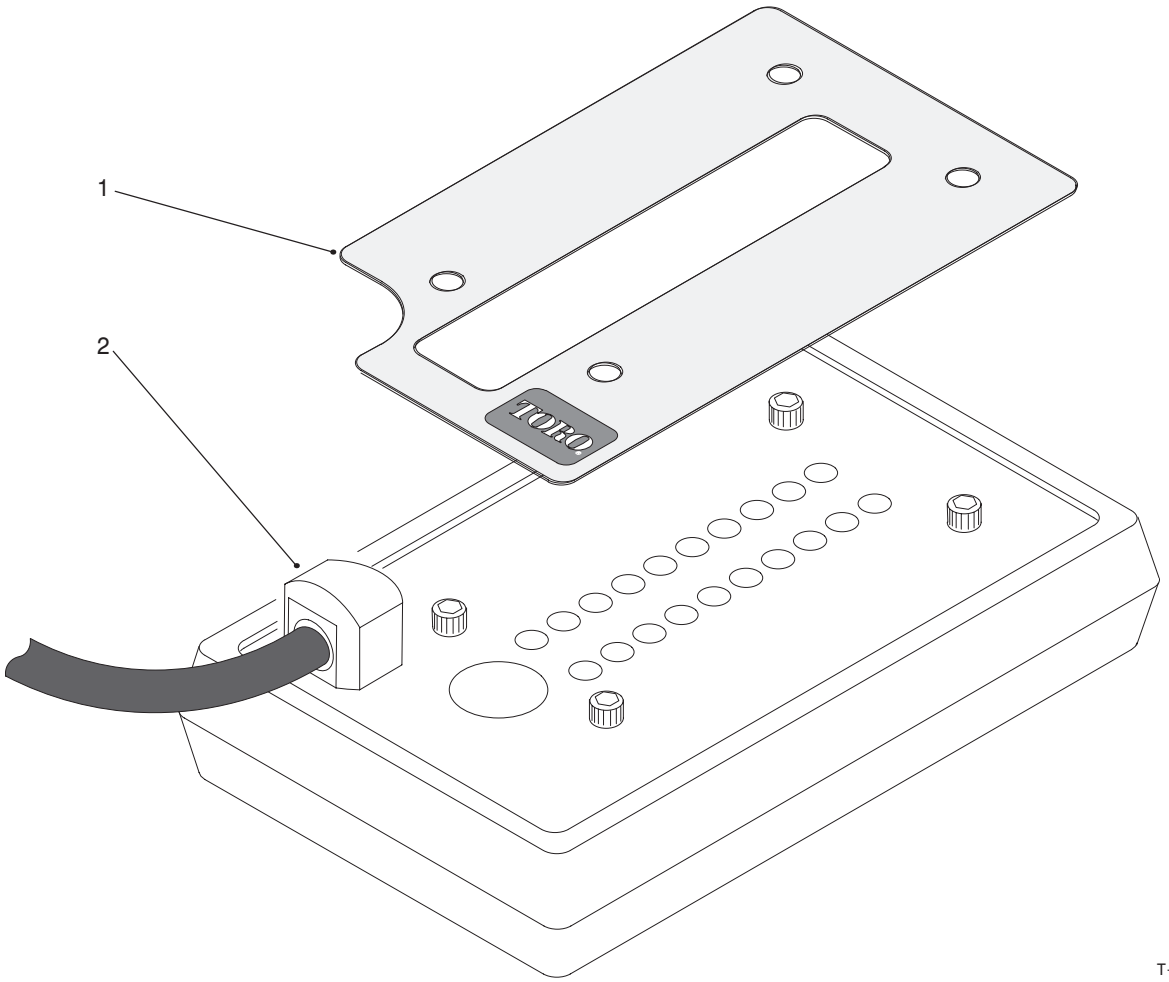
T–3506

Electrical Schematic



Sheet No.:34

T–3507

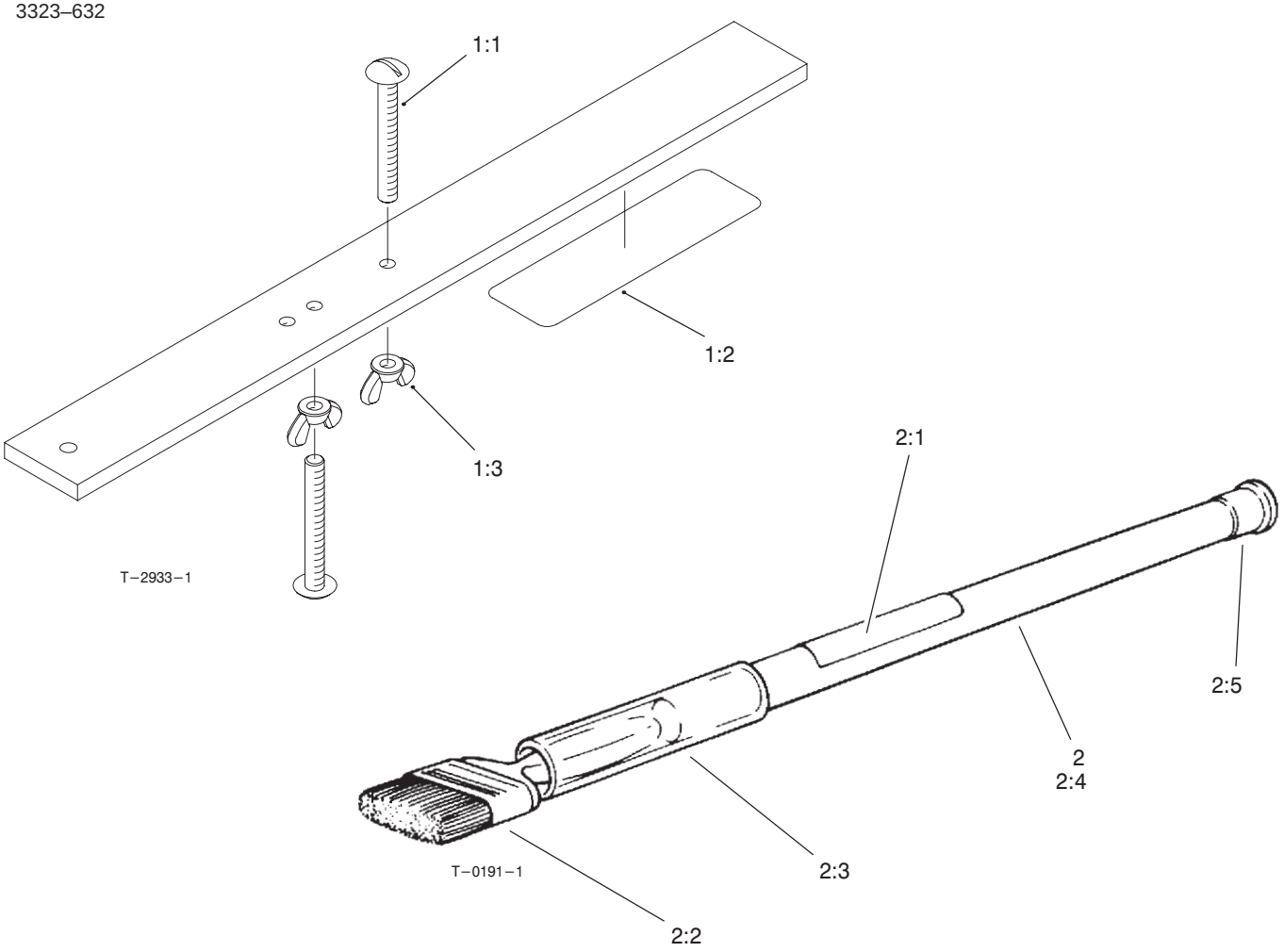


T–1458–1

Diagnostic ACE Display Assembly

Ref. No.	Part No.	Qty.	Description
1	99–8993	1	Decal–Diagonstic
1	99–8985	1	Decal–Diagonstic (Danish)
1	99–8986	1	Decal–Diagonstic (Dutch)
1	99–8987	1	Decal–Diagonstic (Finnish)
1	99–8988	1	Decal–Diagonstic (French)
1	99–8989	1	Decal–Diagonstic (German)
1	99–8990	1	Decal–Diagonstic (Italian)
1	99–8991	1	Decal–Diagonstic (Norwegian)
1	99–8992	1	Decal–Diagonstic (Portuguese)
1	99–8993	1	Decal–Diagonstic (Spanish)
1	99–8994	1	Decal–Diagonstic (Swedish)
1	99–8984	1	Decal–Diagonstic (Japan)
2	85–4750	1	Display–Diagnostic ACE

Ref. No.	Part No.	Qty.	Description



Gauge Bar and Backlapping Brush Assembly

Ref. No.	Part No.	Qty.	Description
1	98–1852	1	Gauge Bar ASM
1:1	32122–54	2	Screw
1:2	98–7976	1	Decal
1:3	32103–3	2	Nut–Wing
2	29–9100	1	Backlapping Brush ASM
2:1	12–9140	1	Decal
2:2	36–4310	1	Brush
2:3	29–9090	1	Hose–Handle
2:4	29–9080	1	Handle
2:5	2410–18	1	Plug

Ref. No.	Part No.	Qty.	Description

Maintenance Record

Date								

Maintenance Record

Date								

Maintenance Record

Date								


TORO®