Form No. 3327–537 REV A

Reelmaster® 5500–D

2 and 4 Wheel Drive Reelmaster® Traction Unit

Model No. 03551—220000001 and Up

Model No. 03550—220000001 and Up

Parts Catalog

PROTOTYPE

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.

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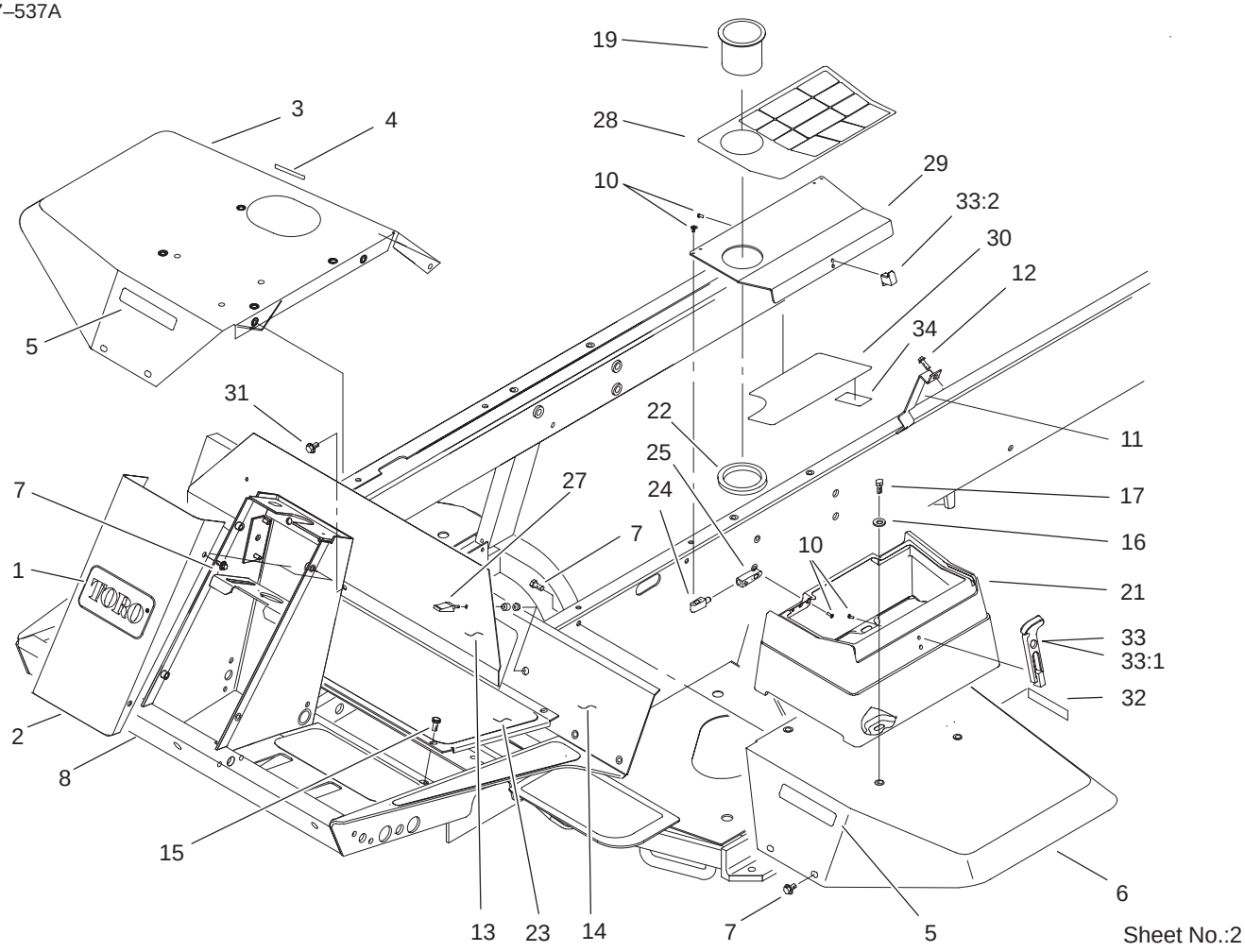
PROTOTYPE

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

PROTOTYPE



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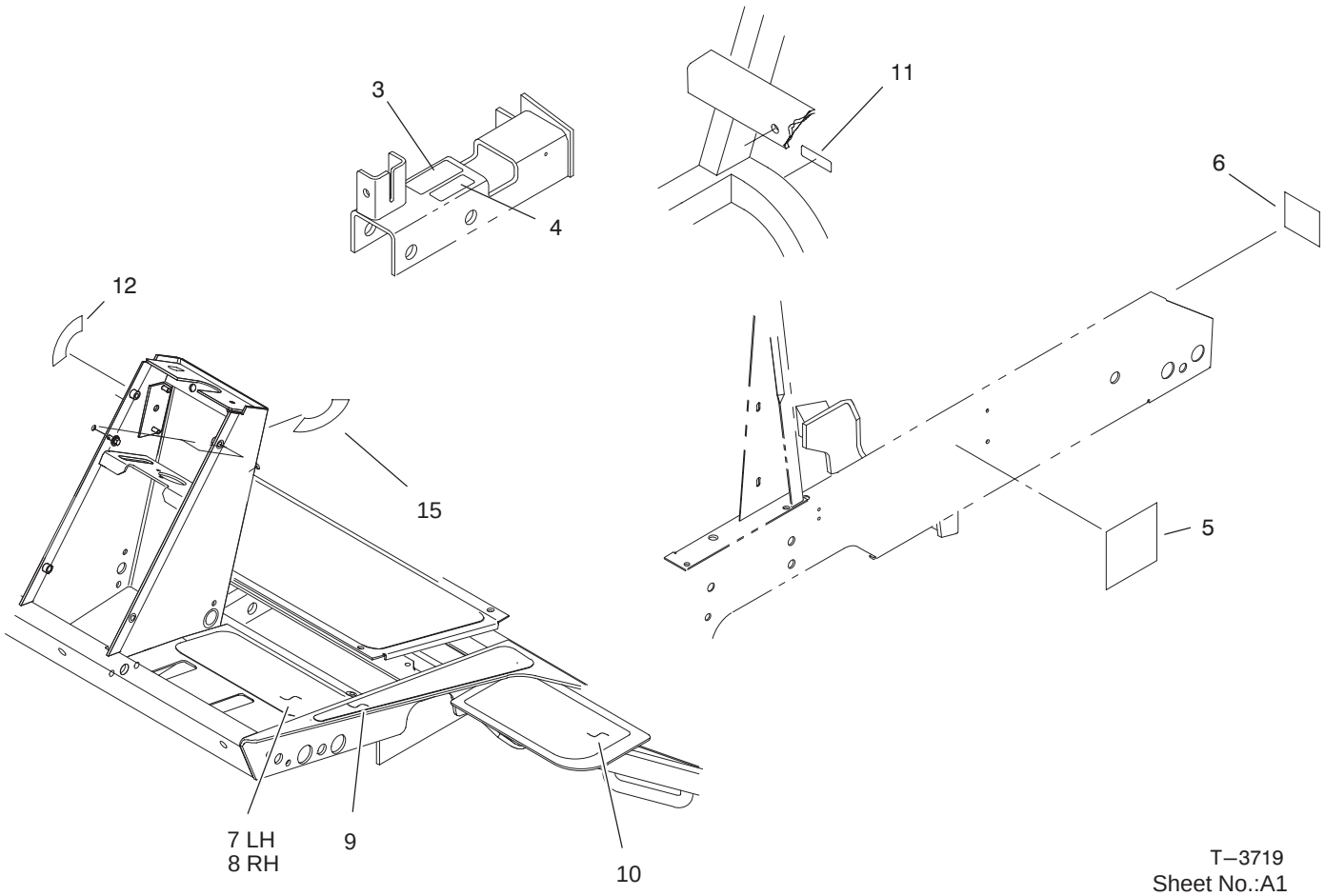
Frame and Body Assembly

Ref. No.	Part No.	Qty.	Description
1	62–5550	1	Decal–Toro
2	93–7996–01	1	Cover–Tower
3	93–7579	1	Fender–RH
4	93–6686	1	Decal–Oil, Hydraulic
5	93–6689	2	Decal–No Riders
6	75–3860	1	Fender–LH
7	3234–14	14	Screw–HHF
8	104–1425	1	Frame ASM
10	32144–1	11	Screw–Taptite
11	98–4572	1	Bracket–Clamp, Hose
12	32144–14	2	Screw–HWH
13	75–1390–01	1	Cover–Access, Front
14	75–1410–01	1	Plate–Access, Floor
*15	75–6840	4	Knob–Knurled
15	3234–7	1	Screw–HHF
16	3256–3	4	Washer–Flat
17	322–5	4	Screw–HH
19	94–1410	1	Holder–Can, Beverage
21	104–0026	1	Toolbox
22	104–1476	1	Ring–Rubber
23	75–0630	1	Tread–Foot, Center
24	104–1496	2	Hinge–Pin
25	104–1497	2	Hinge–Receiver
27	74–5950	2	Latch–Swell
28	104–9295	1	Decal–Warning, Ce
28	104–9294	1	Decal–Warning

Ref. No.	Part No.	Qty.	Description
29	104–1489–03	1	Cover–Toolbox
30	104–1434	1	Decal–Service, Blank
30	105–7515	1	Decal–Service
31	3234–5	1	Screw
32	93–6680	1	Decal–Diesel
33	94–5626	1	Latch–Draw, Flexible
33:1	100–5806	1	Handle–Latch
33:2	100–5807	1	Keeper–Latch
34	105–7527	1	Decal–Filter Numbers

PROTOTYPE

* Not illustrated



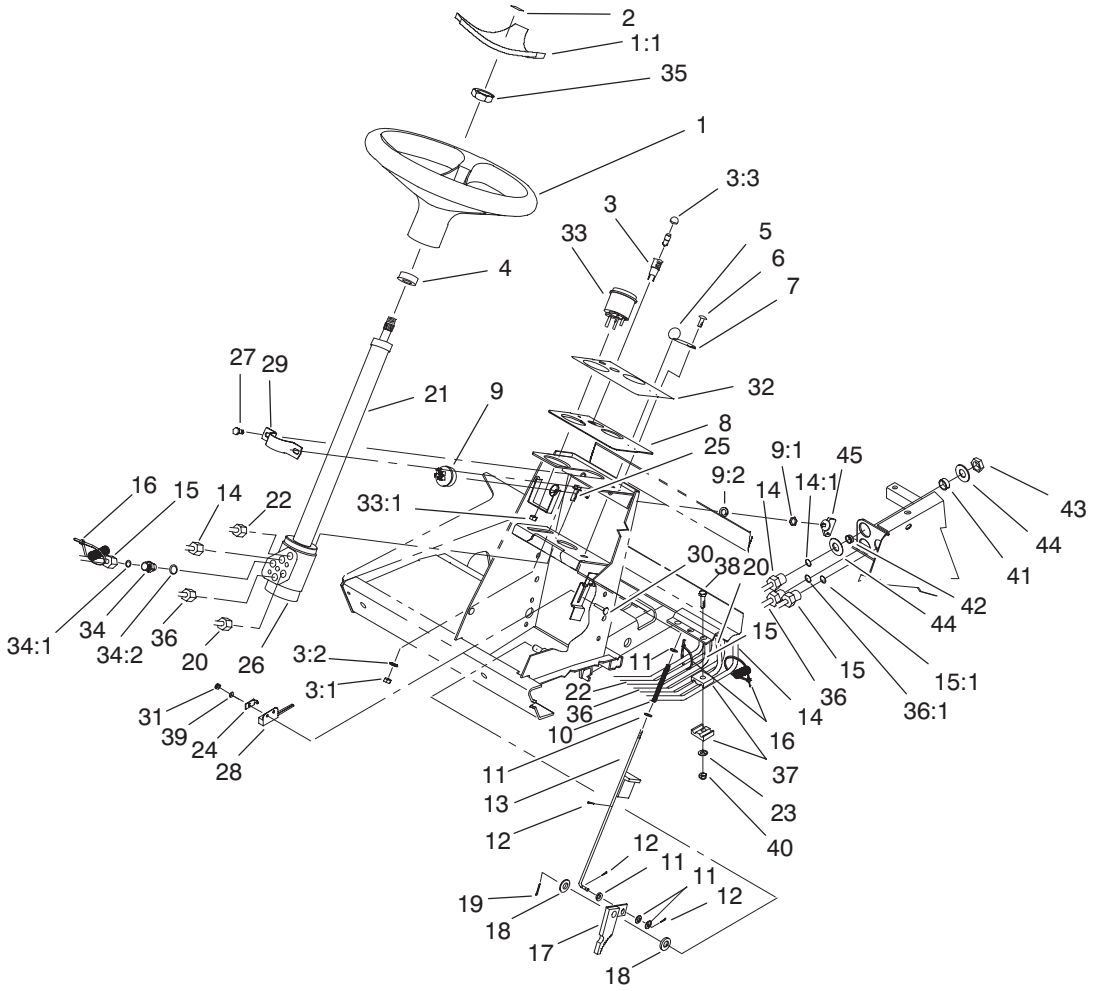
T–3719
Sheet No.:A1

Frame Assembly No. 104–1425

Ref. No.	Part No.	Qty.	Description
3	93–6693	1	Decal–Plate, Floor
4	93–6686	1	Decal–Oil, Hydraulic
5	104–0049	2	Cover–Side Rail
6	62–7400	1	Decal–Toro
7	75–0620	1	Tread–Foot, LH
8	75–0610	1	Tread–Foot, RH
9	93–7592	2	Tread–Foot Rest, LH
10	104–0048	1	Tread–Step
11	93–6691	1	Decal–Bolt, Eccentric
12	93–6699	1	Decal–Fast/Slow
15	105–7506	1	Decal–Key Switch

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



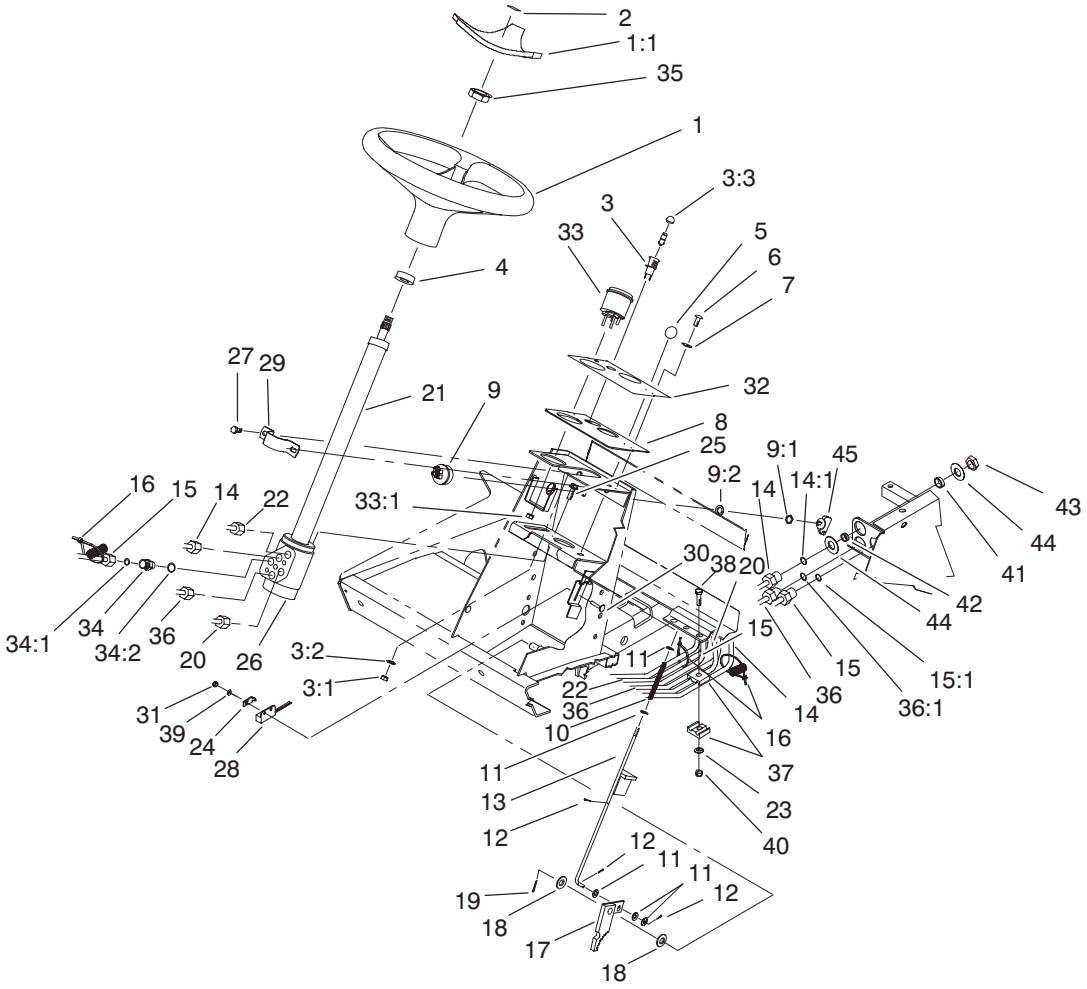
Sheet No.:3

Steering Tower Assembly

Ref. No.	Part No.	Qty.	Description
1	98–1471	1	Wheel–Steering
1:1	98–1468	1	Cover–Wheel, Steering
2	98–1459	1	Decal–Toro
3	44–2210	1	Light–Indicator, Red
3:1	218–535	1	Nut–Hex
3:2	218–536	1	Washer–Lock
3:3	218–533	1	Lens
4	21–9260	1	Cover–Dust
5	233–17	1	Knob
6	87–6620	2	Screw–Special
7	3256–1	2	Washer–Flat
8	93–7998–03	1	Plate–Instrument
9	27–2360	1	Switch–Key
9:1	218–446	1	Nut–Hex
9:2	218–447	1	Washer–Lock
10	95–1821–03	1	Spring–Compression
11	3256–22	5	Washer–Flat
12	3272–5	3	Pin–Cotter
13	104–1492	1	Rod ASM
14	98–3912	1	Tube ASM
14:1	237–22	1	O–Ring
15	98–3910	1	Tube ASM
15:1	237–22	1	O–Ring
16	3290–378	3	Tie–Cable
17	63–7900–03	1	Rack ASM

Ref. No.	Part No.	Qty.	Description
18	3256–26	2	Washer–Flat
19	3272–10	1	Pin–Cotter
20	98–3908	1	Tube ASM
21	94–9951	1	Column–Steering
22	98–3909	1	Tube ASM
23	3256–23	3	Washer–Flat
24	100–4872	1	Plate–Switch, Neutral
25	33103–020	3	Screw–HHF
26	99–8959	1	Control–Steering
27	32144–11	2	Screw–TAP
28	100–1270	1	Switch–Proximity
29	75–2810	1	Bracket–Column, Steering
30	104–1450	1	Bolt–CARR
31	3296–2	1	Nut–Lock
32	93–1263	1	Decal–Tower
33	104–9324	1	Speedometer
33:1	3296–1	4	Nut–Lock NI
34	340–2	5	Fitting–Hyd, Straight
34:1	237–22	1	O–Ring
34:2	237–42	1	O–Ring
35	94–9952	1	Nut–Hex
36	98–3911	1	Tube ASM
36:1	237–22	1	O–Ring
37	56–7973	6	Clamp–Tube
38	322–7	3	Screw–HH

PROTOTYPE



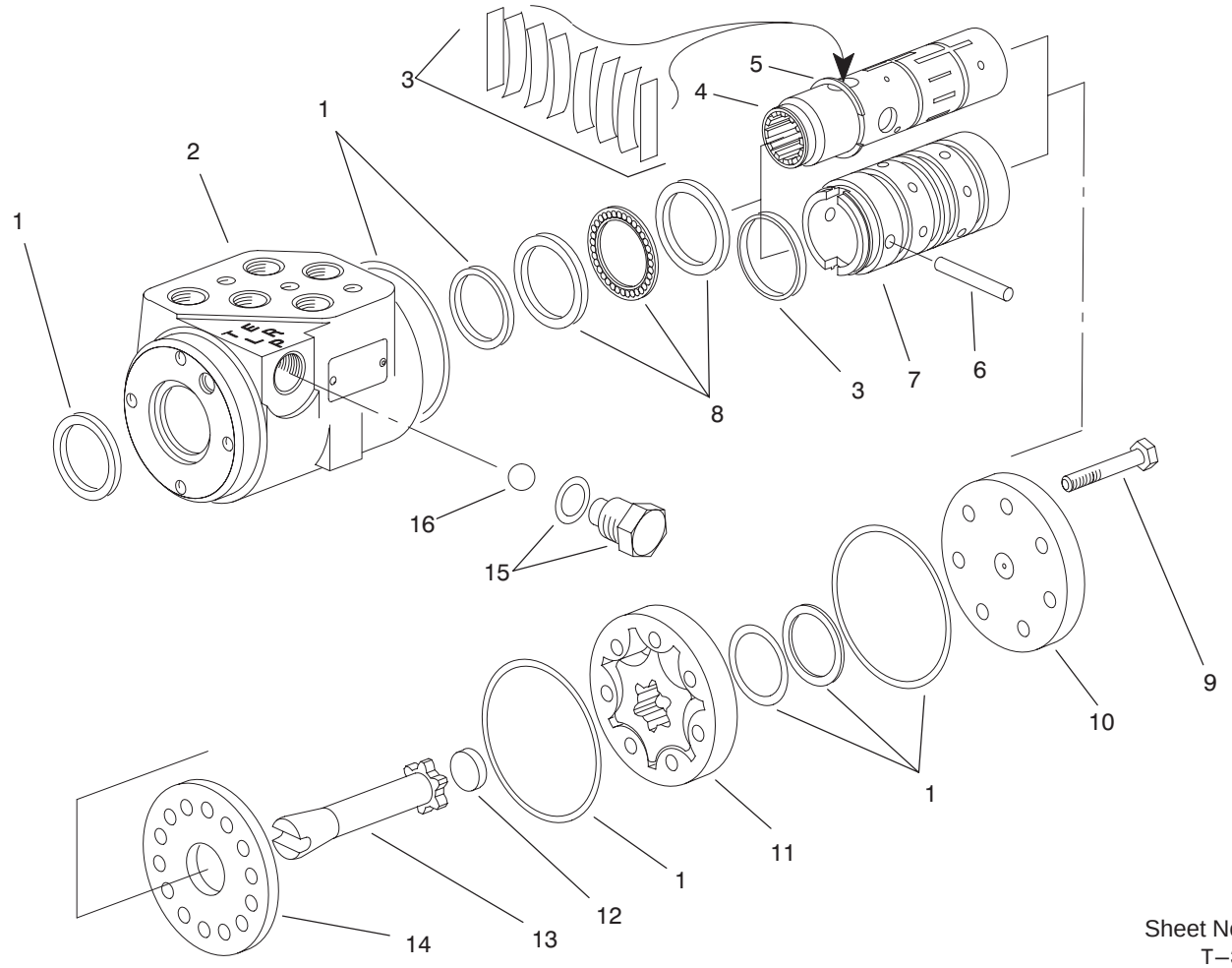
Sheet No.:3

Steering Tower Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
39	3256–14	1	Washer–Flat
40	3296–29	3	Nut–Lock, NI
41	69–8970	3	Spacer
42	240–4	3	Grommet–Rubber
43	340–70	3	Locknut–Bulkhead
44	69–8940	6	Washer
45	63–8360	1	Key–Ignition

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:A2
T–3216

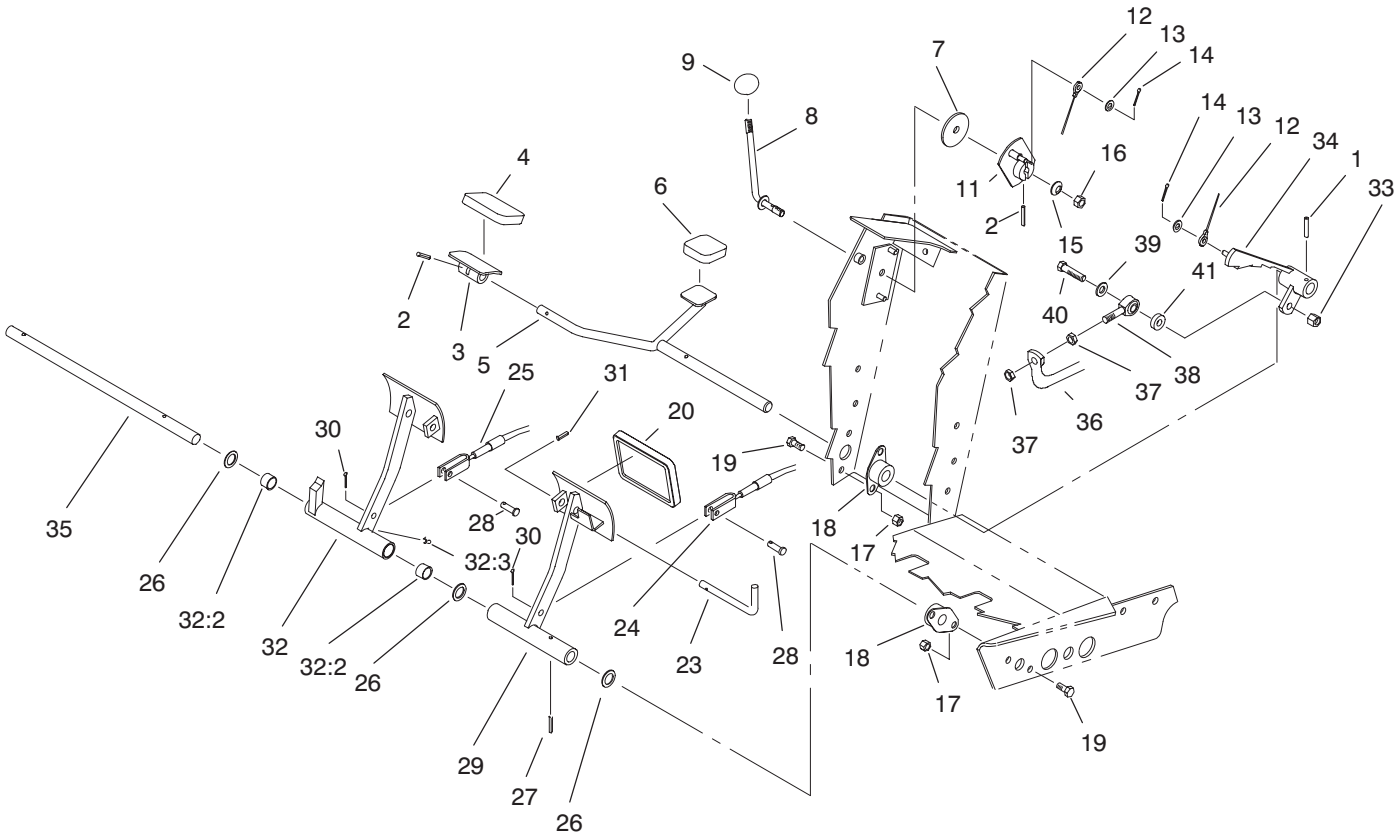
Steering Valve Assembly No. 99–8959

Ref. No.	Part No.	Qty.	Description
1	94–4099	1	Seal Kit
☆2		1	Housing
3	94–4095	1	Centering Spring Kit
☆4		1	Spool
5	94–4098	1	Ring–Retaining
6	94–4094	1	Pin
☆7		1	Sleeve
8	94–4096	1	Bearing Kit
9	94–4088	7	Screw–Cap
10	94–4089	1	Cap–End
11	94–4090	1	Gerotor
12	94–4091	1	Spacer
13	94–4093	1	Drive
14	94–4092	1	Plate–Wear
15	94–4097	1	Plug ASM
16	94–4100	1	Ball

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

☆ Not serviced separately



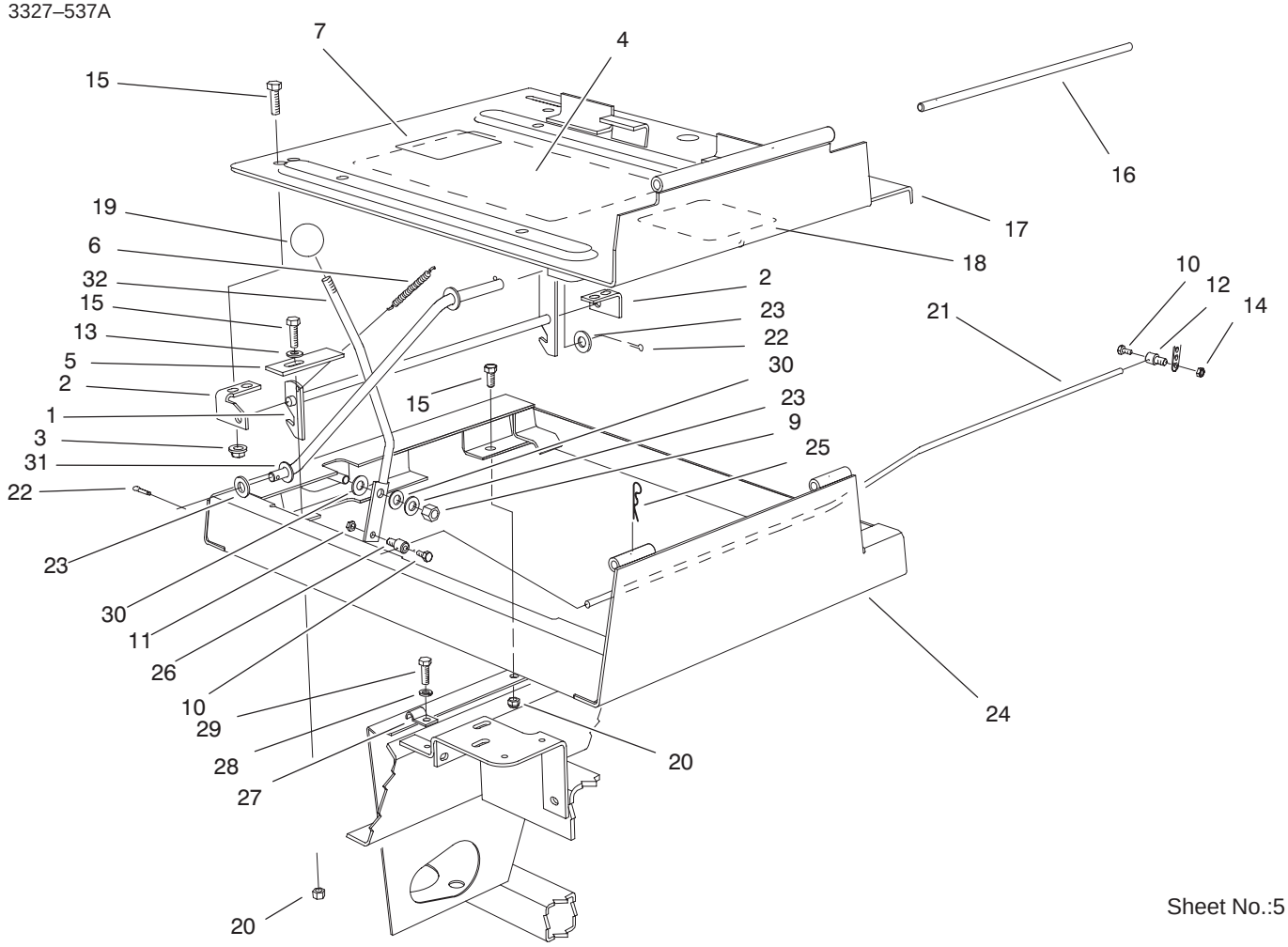
Sheet No.:4

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
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	3296–59	1	Nut–Lock, NI
17	3296–29	8	Nut–Lock, NI
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	63–7733	1	LH Brake Cable ASM
25	63–7732	1	RH Brake Cable ASM
26	3256–69	3	Washer–Flat
27	32121–16	1	Pin–Spring
28	283–58	2	Pin–Clevis

Ref. No.	Part No.	Qty.	Description
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–Grease
33	3296–39	1	Nut–Lock, NI
34	75–3270–03	1	Hub–Pivot, Traction
35	75–1470	1	Pin–Pivot, Brake
36	75–2170–03	1	Tube–Control, Pump
37	3220–3	2	Nut–Jam
38	2411–36	1	Bearing–End, Rod
39	3256–24	1	Washer–Flat
40	323–9	1	Screw–HH
41	5–0652	1	Spacer

PROTOTYPE



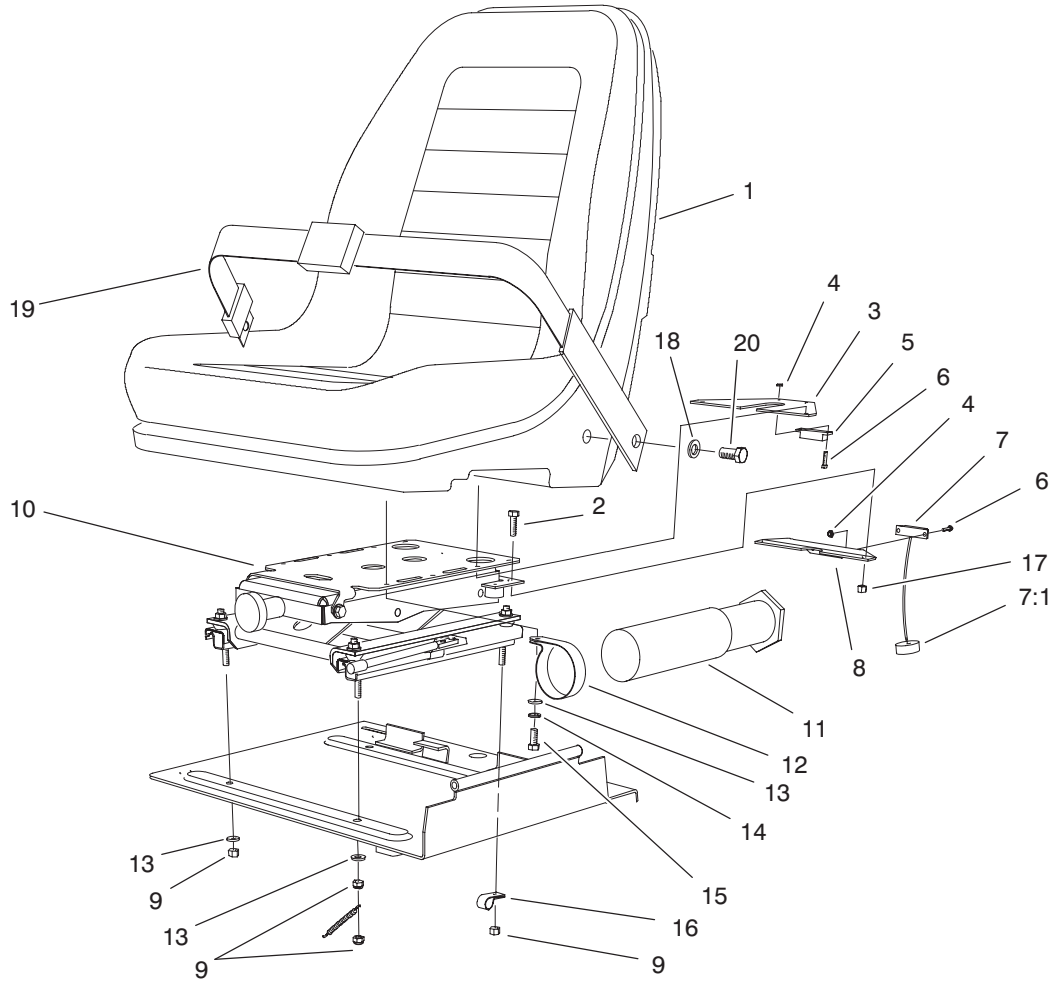
Sheet No.:5

Seat Frame and Throttle Assembly

Ref. No.	Part No.	Qty.	Description
1	98–2354–03	1	Latch–Seat
2	98–2353	2	Bracket–Latch, Seat
3	32128–25	4	Nut–Flange
4	105–7528	1	Decal–Solenoid Information
5	98–9302	1	Plate–Stop, Idler
6	66–4190–03	1	Spring–Idler, Clutch
7	105–4674	1	Decal–Noise, Intl
9	3296–39	1	Nut–Lock, NI
10	25–8640	2	Screw–HH
11	3296–3	1	Nut–Lock NI
12	98–9311	1	Swivel–Throttle
13	3256–23	1	Washer–Flat
14	3296–20	1	Nut–Lock, NI
15	322–3	8	Screw–HH
16	75–3400	1	Shaft–Pivot, Seat
17	98–2350–03	1	Plate–Seat
18	93–8060	1	Decal–Reels
19	233–42	1	Knob
20	3296–29	4	Nut–Lock, NI
21	98–3926	1	Cable–Throttle
22	3272–10	2	Pin–Cotter
23	3256–24	3	Washer–Flat
24	98–2352–03	1	Frame–Seat
25	3290–467	1	Pin–Hair
26	93–0021	1	Swivel–Cable, Throttle

Ref. No.	Part No.	Qty.	Description
27	3–6657	1	Clip–Skid
28	3253–3	1	Washer–Lock
29	321–4	1	Screw–HH
30	66–2920	2	Washer–Friction
31	75–3680–03	1	Rod–Seat
32	75–3430–03	1	Lever–Throttle

PROTOTYPE



Sheet No.:6

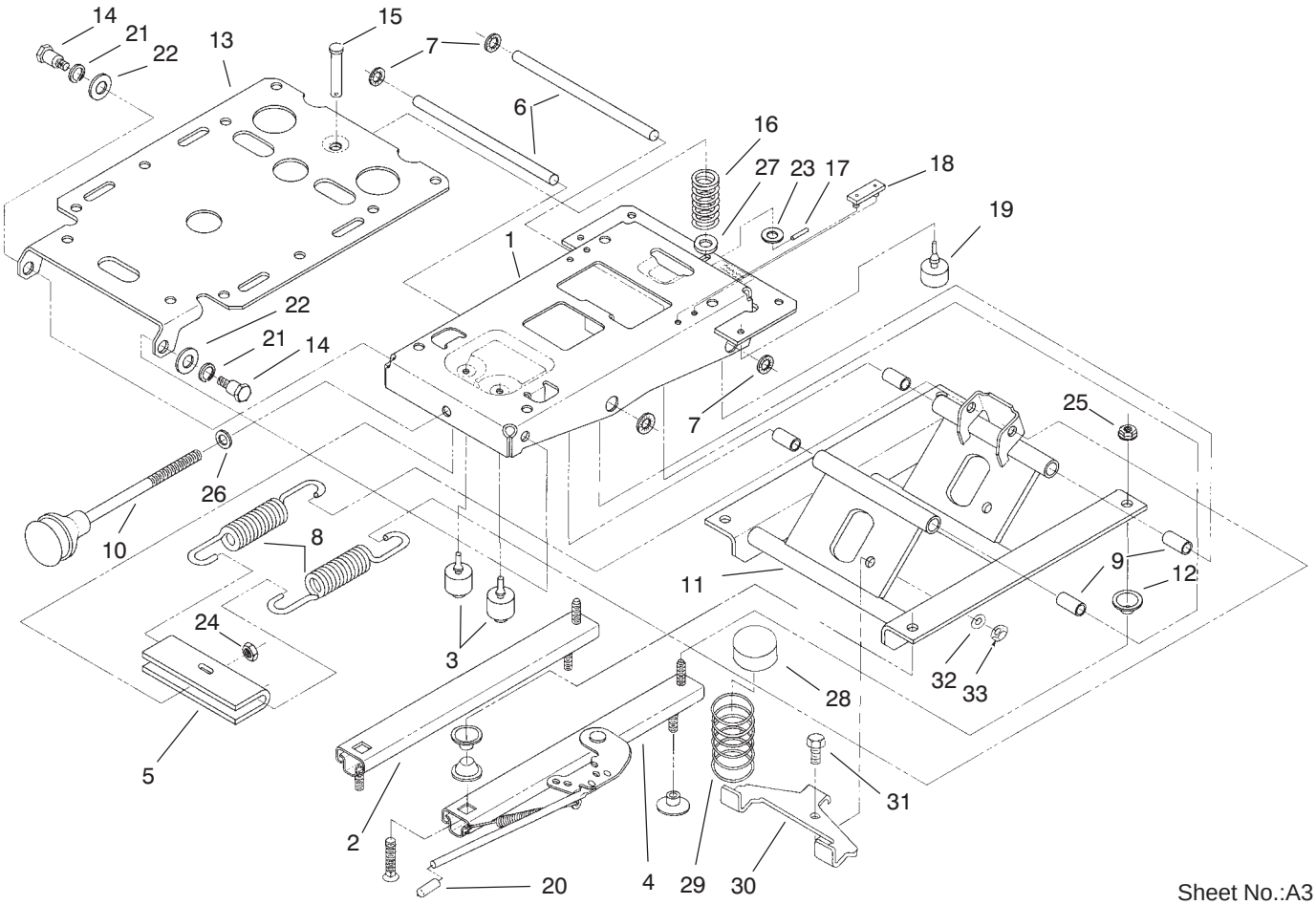
Seat and Suspension Assembly

Ref. No.	Part No.	Qty.	Description
1	104–4620	1	Seat–Olympic, Toro
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
7:1	93–0140	1	Grommet–Rubber
8	75–4360–03	1	Bracket–Suspension, Seat
9	3296–29	5	Nut–Lock, NI
10	75–3000	1	Suspension–Seat
11	74–0720	1	Tube–Manual
12	2412–133	2	R–Clamp
13	3256–23	8	Washer–Flat
14	3253–4	4	Washer–Lock
15	322–3	4	Screw–HH
16	2412–93	1	Clamp–R
17	3296–39	2	Nut–Lock, NI
18	3253–6	2	Washer–Lock (only on: 03551)
19	21–4191	1	Seat Belt ASM (only on: 03551)
20	3212–4	2	Screw–HH (only on: 03551)

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

3327–537A



Sheet No.:A3

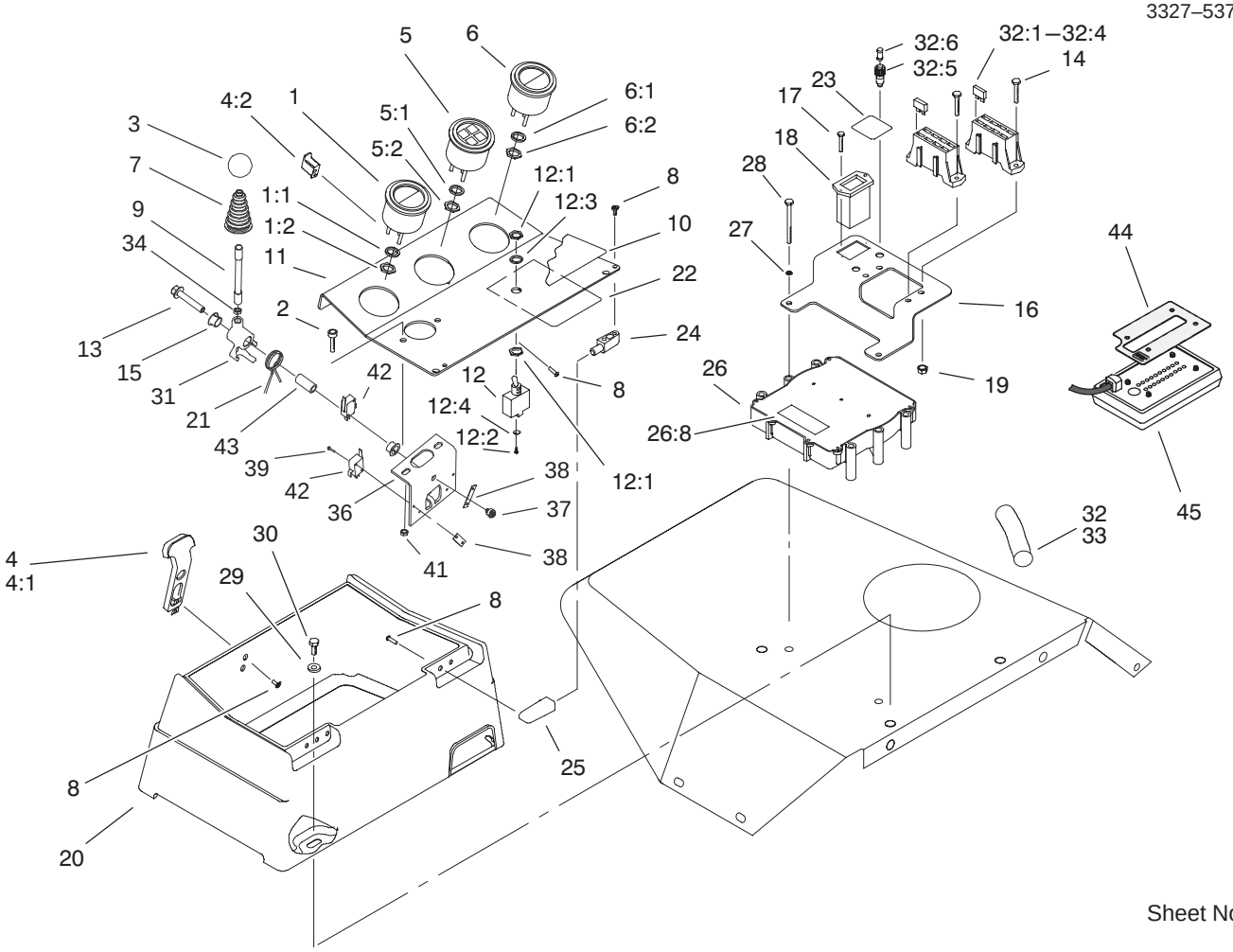
T–3437

Seat Suspension Assembly No. 75–3000

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	Sleeve–Bearing
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
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
33	3217–6	1	Nut–Hex

PROTOTYPE



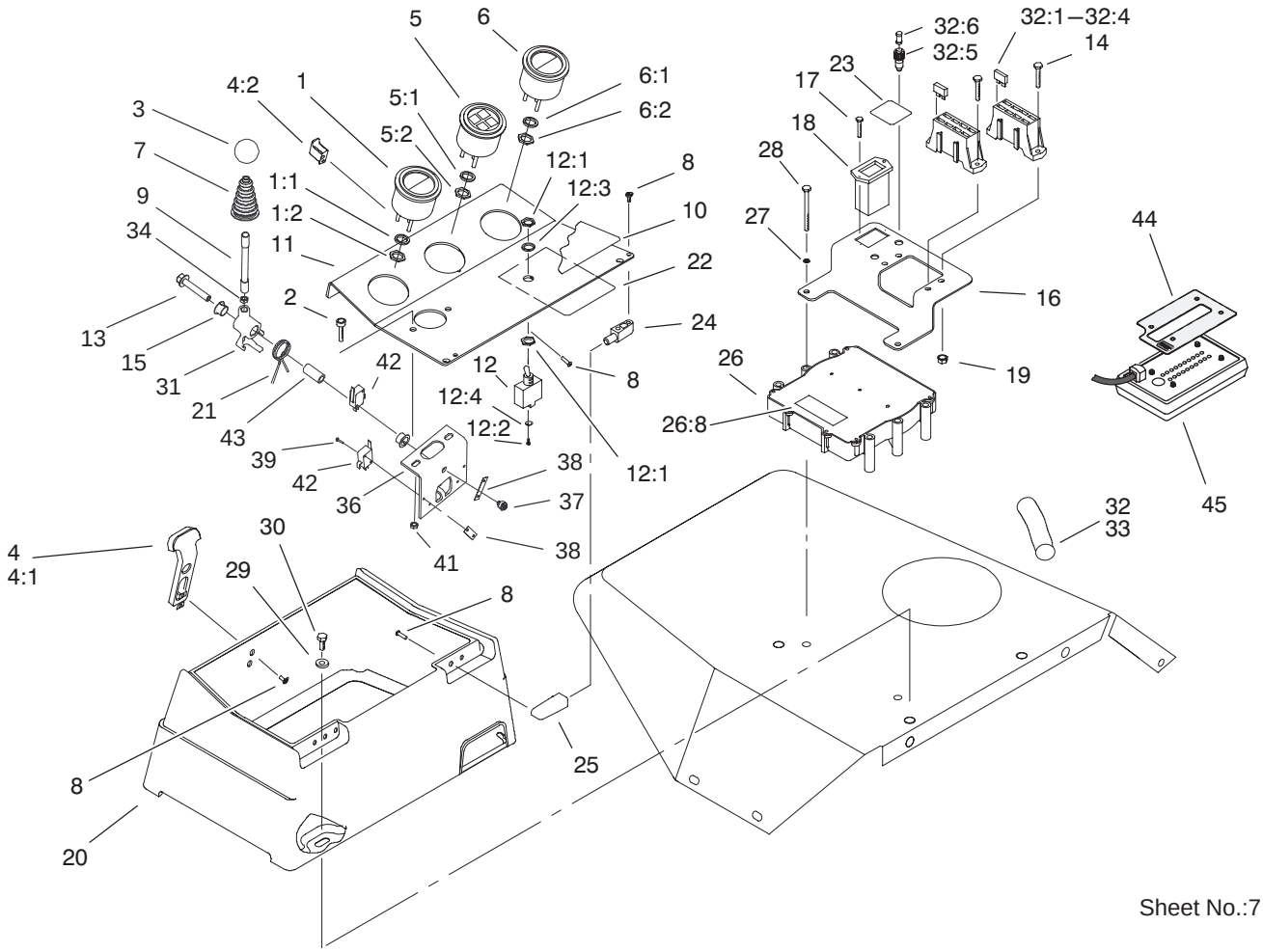
Sheet No.:7

Control Console Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9339	1	Gauge–Fuel
1:1	3254–1	3	Washer–Lock, Internal
1:2	3217–27	3	Nut–Hex
2	3258–166	2	Screw
3	233–42	1	Knob
4	94–5626	1	Latch–Draw, Flexible
4:1	100–5806	1	Handle–Latch
4:2	100–5807	1	Keeper–Latch
5	98–9306	1	Light–Warning
5:1	3254–1	1	Washer–Lock, Internal
5:2	3217–27	1	Nut–Hex
6	98–9308	1	Gauge–Temperature
6:1	3254–1	3	Washer–Lock, Internal
6:2	3217–27	3	Nut–Hex
7	93–5961	1	Boot–Lever
8	32144–1	11	Screw–Taptite
9	105–7508	1	Lever–Joystick
10	104–9296	1	Decal–Control
11	104–9251–03	1	Plate–Instrument
12	99–8352	1	Switch–Backlap, Master
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
13	94–5780	1	Bolt–Head

Ref. No.	Part No.	Qty.	Description
14	32105–13	4	Screw–Shh
15	93–5547	2	Bushing–Nylon
16	104–1499–03	1	Bracket–Fuse Block
17	32144–18	2	Screw–HH
18	75–6820	1	Hourmeter
19	3296–2	4	Nut–Lock
20	104–0027	1	Box–Control
21	93–5509	1	Spring–Tension
22	94–6767	1	Decal–Fuses
23	104–9298	1	Decal–Controller
24	104–1496	2	Hinge–Pin
25	104–1497	2	Hinge–Receiver
26	92–5720	1	Controller–Electronic
26:8	93–8053	1	Decal
27	3253–3	2	Washer–Lock
28	321–14	2	Screw–HH
29	3256–3	3	Washer–Flat
30	322–5	3	Screw–HH
31	105–7507	1	Hub–Pivot, Joystick
32	104–9338	1	Harness–Electrical
32:1	94–9157	1	Fuse–Blade, 4 Amp
32:2	114241	1	Fuse–7.5 Amp
32:3	218–578	3	Fuse–10 Amp
32:4	109101	1	Fuse–20 Amp
32:5	85–4490	1	Light–Indicator
32:6	219–19	1	Lamp–Green

PROTOTYPE



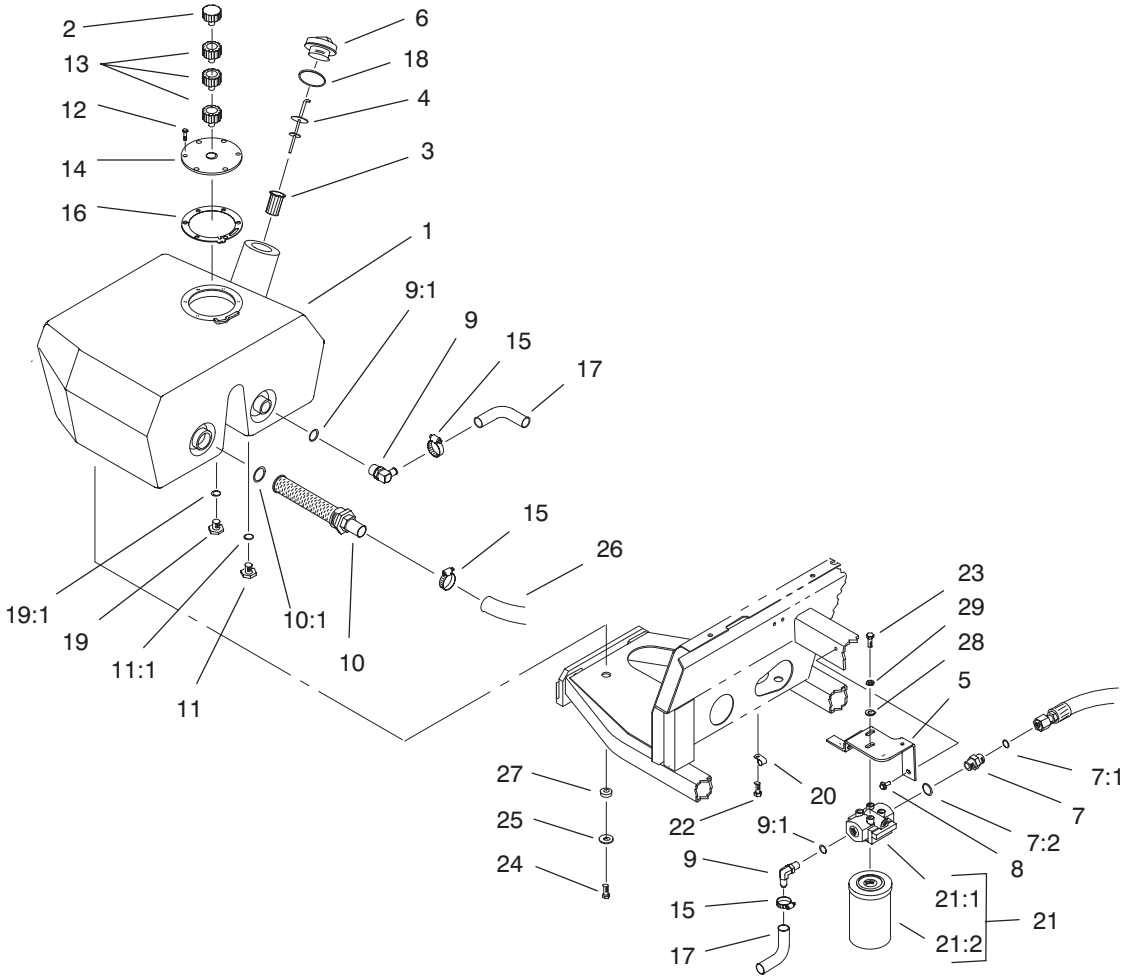
Sheet No.:7

Control Console Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
33	94–6343	1	Decal–I.d., Wire
34	3218–3	1	Nut–Jam
36	105–7513–03	1	Bracket–Lift Lever
37	3296–29	1	Nut–Lock, NI
38	3290–354	2	Nut–Speed
39	3290–329	4	Screw–PPH
41	32128–33	2	Nut–HF
42	111332	2	Switch
43	93–5512	1	Spacer
44	105–7529	1	Decal–Diagnostic
45	85–4750	1	Box–Display, Diagnostic

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:8

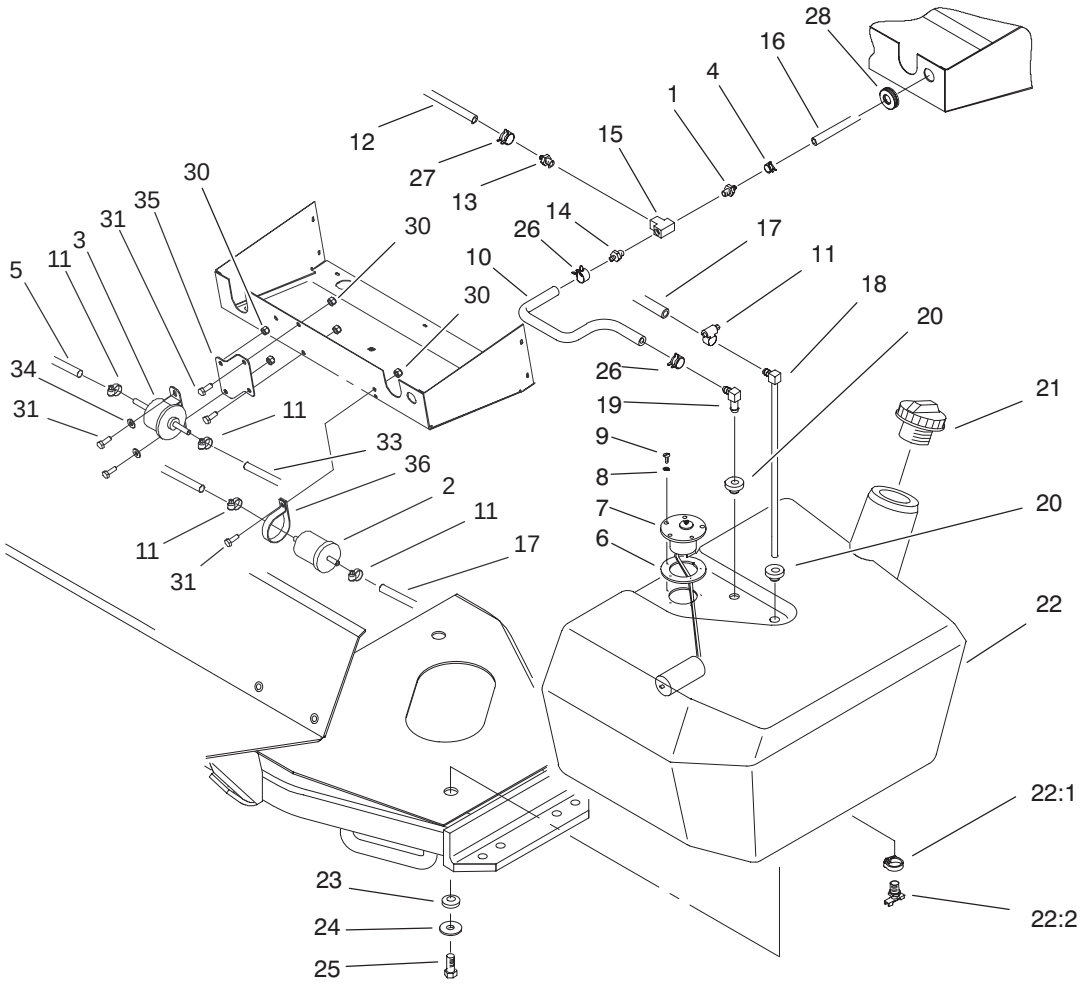
Hydraulic Filter and Reservoir Assembly

Ref. No.	Part No.	Qty.	Description
1	104–9254	1	Tank–Oil
2	68–6150	1	Breather–Air
3	61–2790	1	Filter–Screen
4	94–9411	1	Dipstick
5	98–3917–01	1	Bracket–Filter
6	93–7498	1	Plug–Plastic
7	340–91	1	Adapter
7:1	237–58	1	O–Ring
7:2	237–146	1	O–Ring
8	32144–14	2	Screw–HWH
9	23–8910	2	Stem–Barb, 90°
9:1	237–146	1	O–Ring
10	104–7546	1	Strainer–Tank
10:1	340–136	1	O–Ring
11	353–508	1	Plug
11:1	237–42	1	O–Ring
12	33104–020	6	Screw–HHF
13	92–8020	3	Adapter–Breather
14	93–7588	1	Cover–Tank
15	2412–34	3	Clamp–Hose
16	93–7499	1	Gasket
17	98–3931	2	Hose–Formed
18	237–101	1	O–Ring
19	353–550	1	Plug–Hyd
19:1	237–79	1	O–Ring
20	2412–93	2	Clamp–R

Ref. No.	Part No.	Qty.	Description
☆21		1	Oil Filter ASM
21:1	104–0080	1	Filter Head ASM
21:2	94–2621	1	Element–Filter
22	32144–10	2	Screw–HWH
23	323–4	2	Screw–HH
24	33105–025	3	Screw–HHF
25	63–8410	3	Washer
26	75–6870	1	Hose–Inlet, Pump
27	240–11	3	Grommet–Mount, Tank
28	3256–24	2	Washer–Flat
29	3253–21	2	Washer–Lock

PROTOTYPE

☆ Not serviced separately



Sheet No.:9

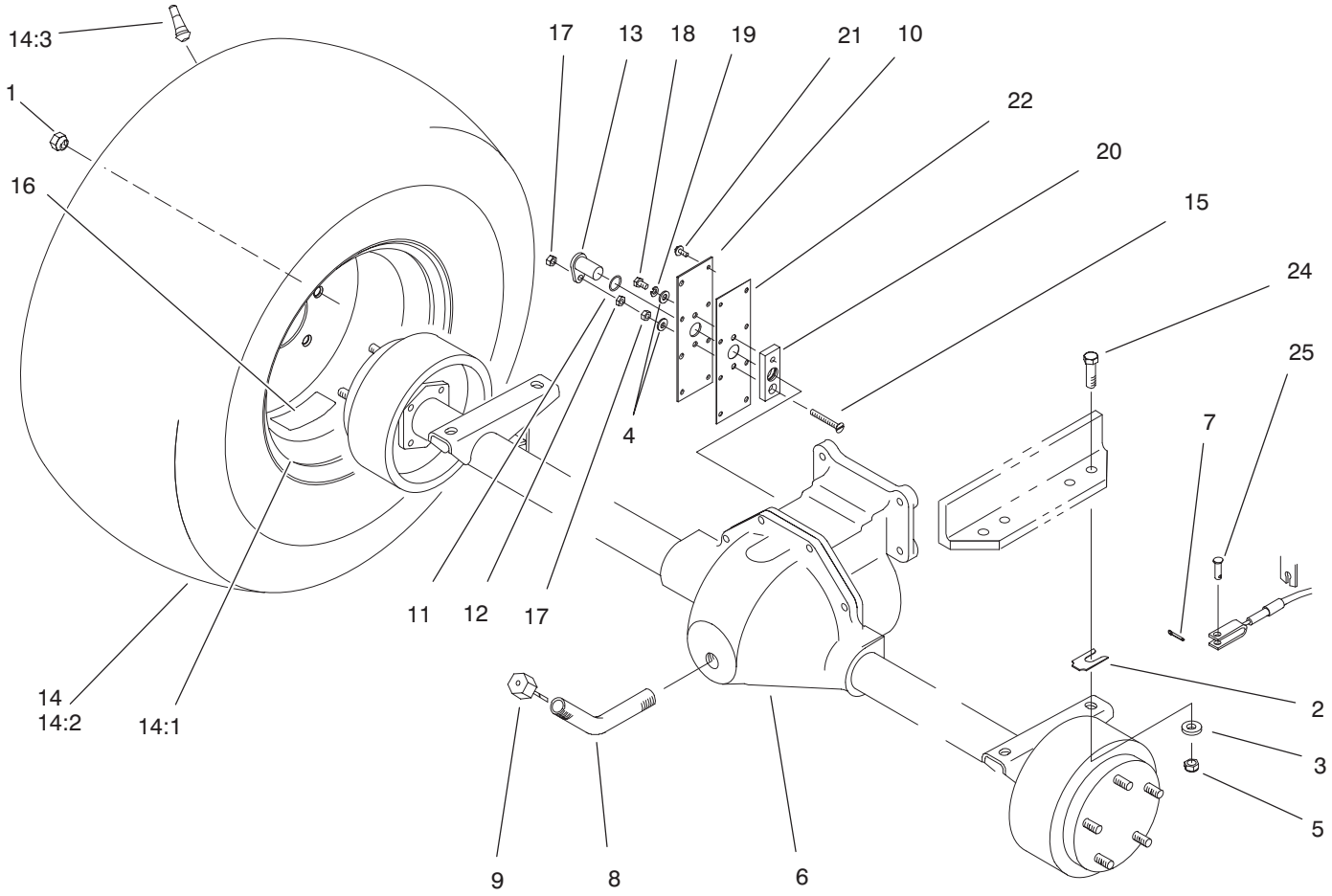
Fuel Tank Assembly

Ref. No.	Part No.	Qty.	Description
1	304–73	1	Connector–Hose
2	98–7612	1	Filter–Fuel
3	104–5215	1	Pump–Fuel, Electric
4	2412–98	1	Clamp
5	23–2140	1	Hose–Line, Fuel
6	62–7650	1	Gasket
7	63–7640	1	Sender–Fuel
8	3253–15	5	Washer–Lock/Sp
9	32122–24	5	Screw–Pth
10	93–2042	1	Hose–Fuel
11	2412–108	4	Clamp–Worm
12	104–0077	1	Hose–Fuel
13	354–22	1	Fitting–Barb
14	354–21	1	Fitting–Barb
15	354–20	1	Fitting–Tee
16	98–9338	1	Hose–Fuel
17	104–0076	1	Hose
18	66–8121	1	Standpipe
19	46–6550	1	Fitting–Hyd, 90°
20	46–6560	2	Bushing
21	93–3102	1	Cap–Fuel
22	105–7933	1	Tank–Fuel
22:1	2412–36	1	Clamp–Hose
22:2	304–46	1	Draincock
23	240–11	3	Grommet–Mount, Tank

Ref. No.	Part No.	Qty.	Description
24	63–8410	3	Washer
25	33105–025	3	Screw–HHF
26	92–2379	2	Clamp–Hose
27	2412–146	2	Clamp–Hose
28	240–9	1	Grommet
30	3296–42	5	Nut–Lock, NI
31	321–4	5	Screw–HH
*32	3290–378	1	Tie–Cable
33	47–7430	1	Hose–Fuel
34	3256–22	2	Washer–Flat
35	104–9339	1	Bracket–Fuel Pump
36	2412–148	1	Clamp–R

PROTOTYPE

* Not illustrated



Sheet No.:10

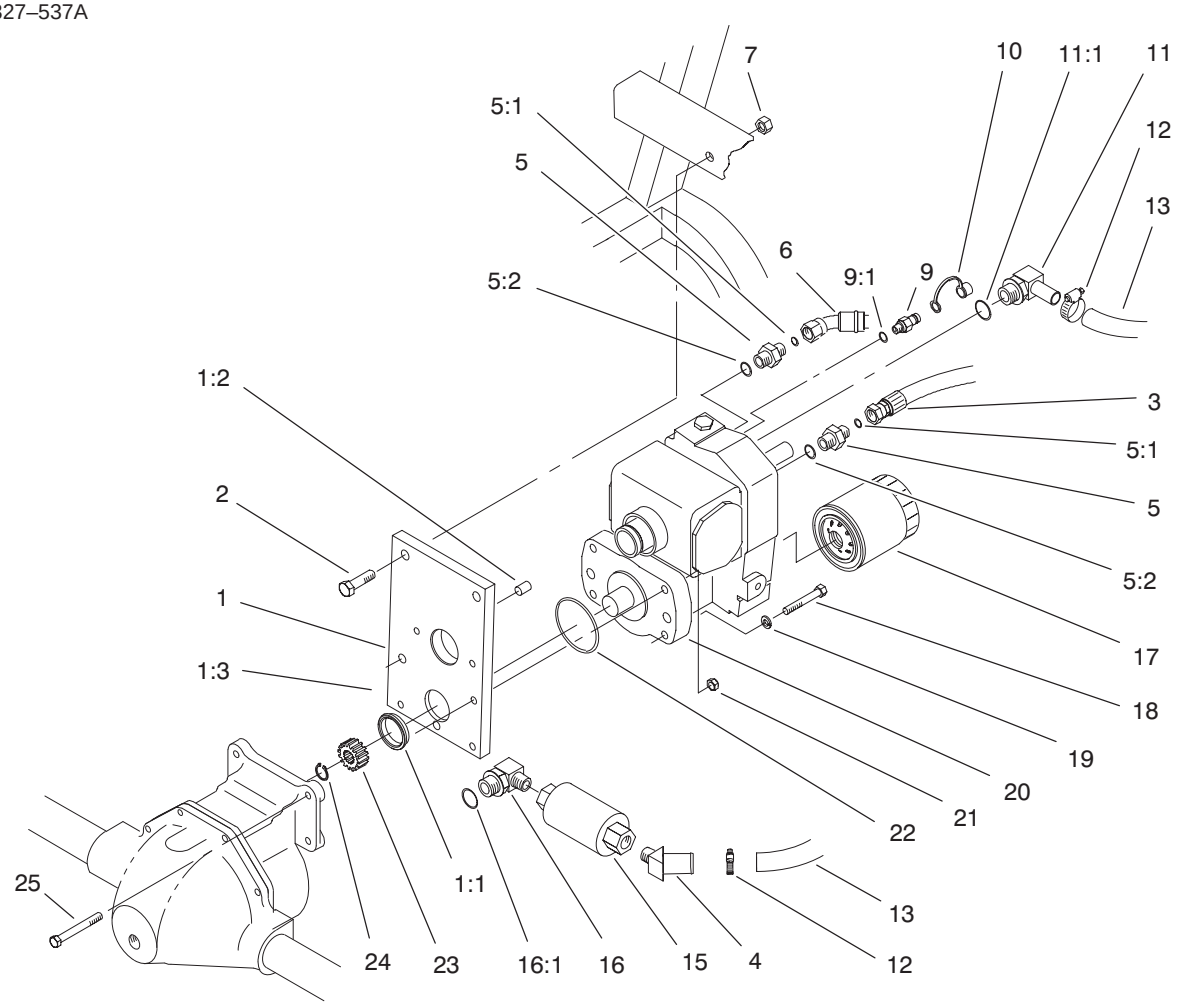
Front Axle Assembly

Ref. No.	Part No.	Qty.	Description
1	23–7270	10	Nut–Wheel
2	42–6080	5	Shim–Axle
3	66–6480	4	Washer
4	3256–22	2	Washer–Flat
5	3296–48	4	Nut–Lock NI
6	99–6981–03	1	Axle–Drive
7	3272–10	2	Pin–Cotter
8	75–6850	1	Tube–Fill, Oil
9	27–3710	1	Dipstick
10	85–4330	1	Cover–Gear
11	237–181	1	O–Ring
12	3218–1	1	Nut–Jam
13	85–4350	1	Sensor–Geartooth
☆14		2	Wheel And Tire ASM
14:1	99–6984	1	Wheel ASM
14:2	98–2373	1	Tire
14:3	232–27	1	Stem–Valve
15	32108–9	1	Screw–FH
16	76–8730	2	Decal–Torque, Wheel
17	3296–56	2	Nut–Lock, NI
18	321–2	1	Screw–HH
19	3253–3	1	Washer–Lock
20	85–4340	1	Plate–Sensor Mounting
21	32144–112	8	Screw–HWHTF
22	92–5797	1	Gasket–Axle

Ref. No.	Part No.	Qty.	Description
24	324–7	4	Screw–HH
25	283–58	2	Pin–Clevis

☆ Not serviced separately

PROTOTYPE



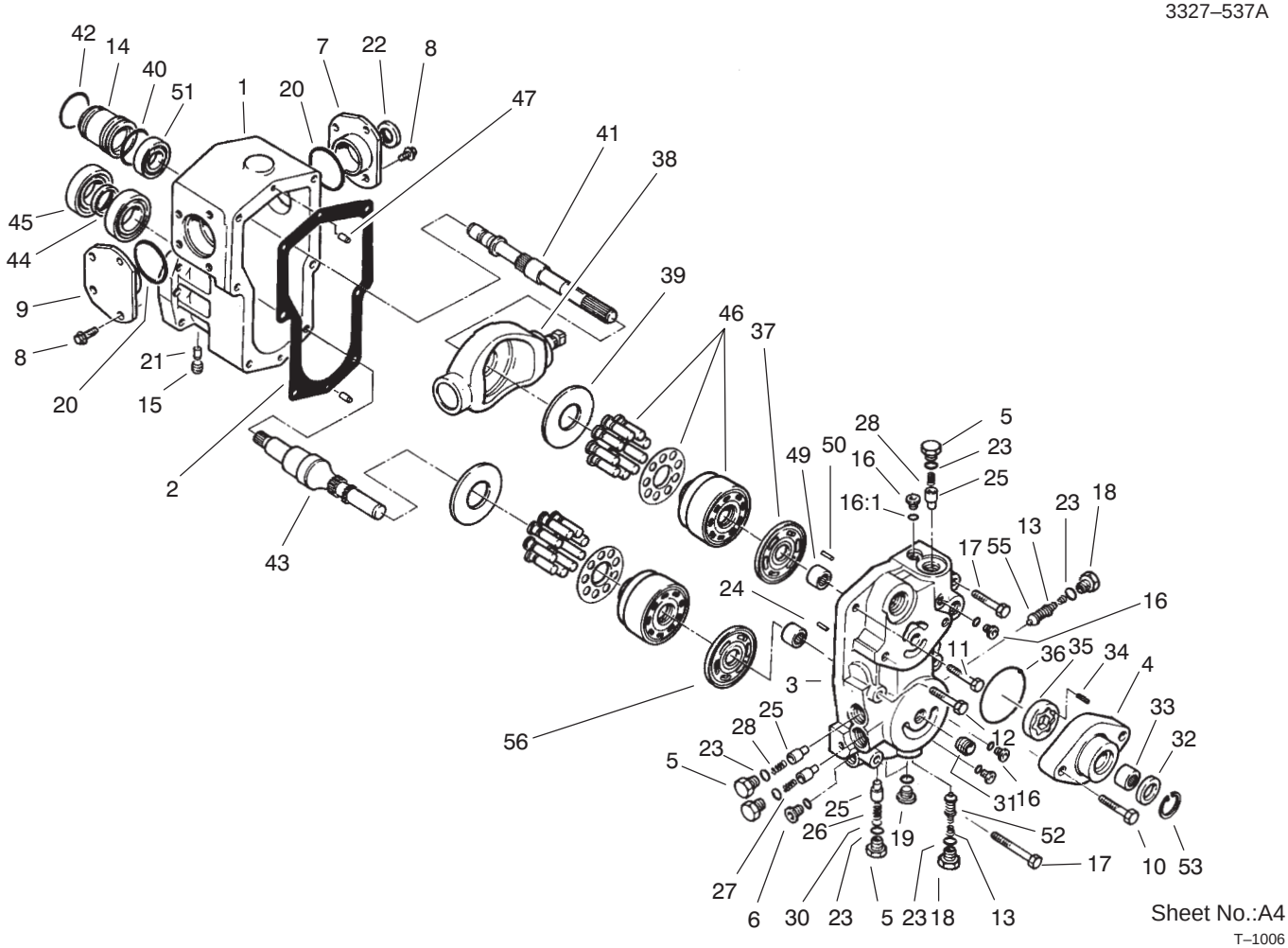
Sheet No.:11

Transmission Assembly

Ref. No.	Part No.	Qty.	Description
1	92–4846	1	Transmission Support ASM
1:1	75–3110	1	Collar–Transmission
1:2	92–4808	1	Sleeve–Transmission
1:3	92–4809	1	Support–Transmission
2	325–7	2	Screw–HH
3	104–0073	1	Hyd Hose ASM
4	354–72	1	Fitting
5	340–3	2	Adapter
5:1	237–22	1	O–Ring
5:2	237–79	1	O–Ring
6	104–0072	1	Hyd Hose ASM
7	3296–23	2	Nut–Lock, NI
9	354–77	1	Fitting–Quick
9:1	237–78	1	O–Ring
10	354–79	1	Cap–Dust, Yellow
11	75–4720	1	Fitting–Line, Suction
11:1	237–81	1	O–Ring
12	2412–129	2	Clamp–Hose
13	75–6350	1	Hose
15	75–6340–03	1	Filter
16	354–75	1	Fitting
16:1	237–81	1	O–Ring
17	75–1330	1	Element–Filter
18	323–12	2	Screw–HH
19	3253–21	2	Washer–Lock

Ref. No.	Part No.	Qty.	Description
20	75–0012	1	Transmission
21	3296–39	2	Nut–Lock, NI
22	237–161	1	O–Ring
23	86–7220	1	Gear–Pinion
24	32151–62	1	Ring–Retaining
25	323–20	2	Screw–HH

PROTOTYPE



Sheet No.:A4

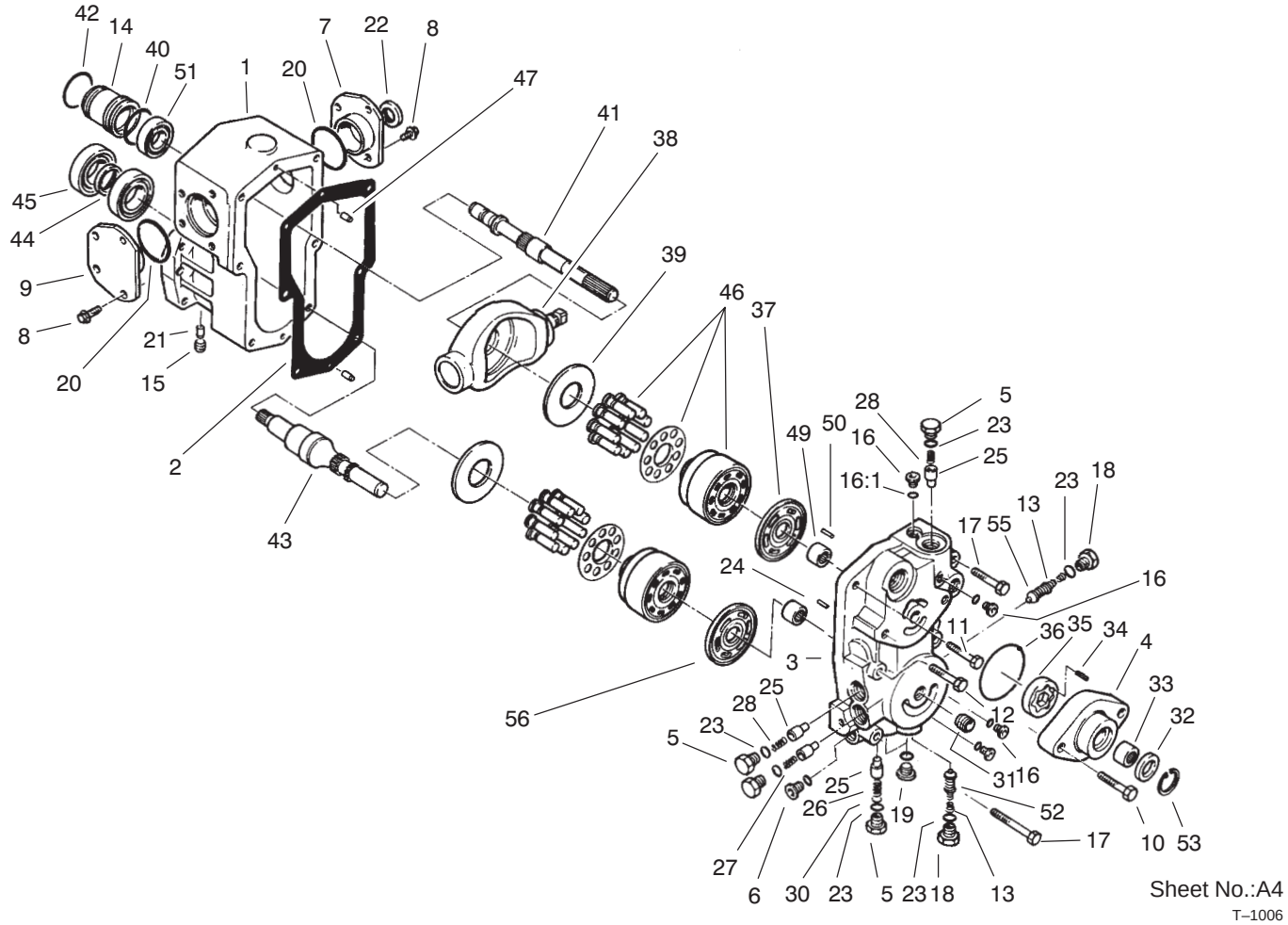
T–1006

Transmission Assembly No. 75–0012

Ref. No.	Part No.	Qty.	Description
1	75–0020	1	Housing
2	75–0030	1	Gasket–Housing
3	75–0040	1	Section–Center
4	83–4780	1	Housing–Pump, Charge
5	75–0060	4	Plug
6	75–0070	1	Plug
7	86–7520	1	RH Trunnion Cover ASM
8	75–0090	8	Capscrew–HH
9	86–7530	1	LH Trunnion Cover ASM
10	75–0110	2	Capscrew–HH
11	75–0120	1	Capscrew–HH
12	75–0130	3	Capscrew–HH
13	75–0140	1	Spring–Conical
14	75–0150	1	Guide–Seal
15	75–0160	1	Plug–Pipe
16	75–0170	4	Plug–Thread, Straight
16:1	92–8777	1	O–Ring
17	75–0180	2	Capscrew–HH
18	75–0190	2	Plug–Special
19	75–0200	2	Plug–Thread, Straight
20	75–0210	2	O–Ring
21	75–0220	2	Pin
22	75–0230	1	Seal–Lip

Ref. No.	Part No.	Qty.	Description
23	75–0240	6	O–Ring
24	75–0250	1	Spring
25	75–0260	4	Valve–Relief
26	75–0270	1	Spring
27	75–0280	1	Spring
28	75–0290	2	Spring
30	75–0310	1	Shim
31	75–0320	1	Nipple
32	75–0330	1	Seal–Lip
33	75–0340	1	Bearing–Needle
34	75–0350	1	Pin
35	75–0360	1	Gerotor
36	75–0370	1	O–Ring
37	75–0380	1	Plate–Valve
38	75–0390	1	Plate–Swash
39	75–0400	2	Plate–Thrust
40	75–0410	1	O–Ring
41	86–7540	1	Shaft–Pump
42	75–0430	1	Ring–Retaining
43	75–0440	1	Shaft–Motor
44	75–0450	1	Collar
45	75–0460	2	Bearing–Ball
46	75–0470	2	Cylinder Block Kit
47	75–0480	2	Pin
49	75–0500	2	Bearing–Needle
50	75–0510	1	Pin

PROTOTYPE

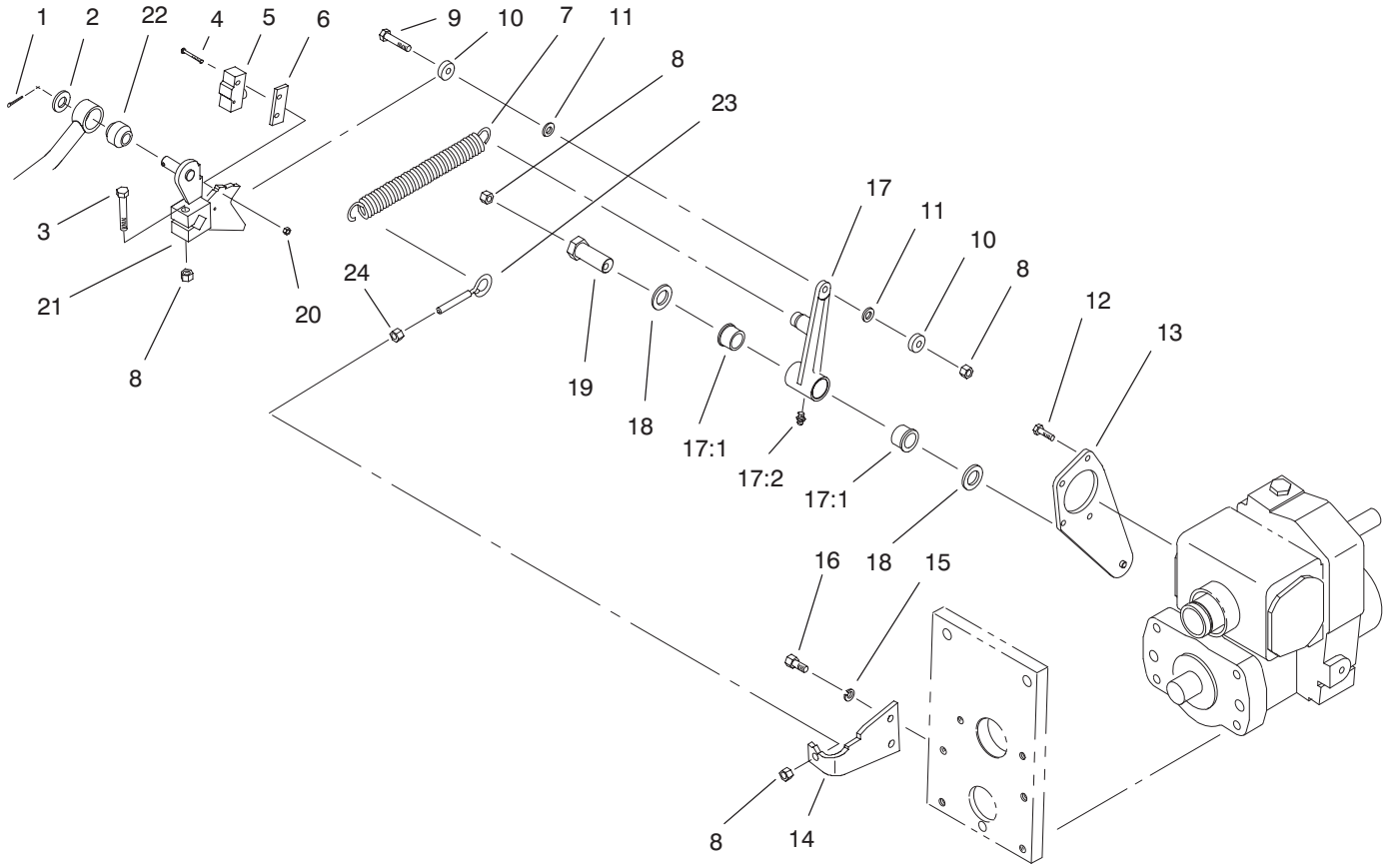


Transmission Assembly No. 75–0012 (Continued)

Ref. No.	Part No.	Qty.	Description
51	75–0520	1	Bearing–Ball
52	75–6930	1	Valve–Screw
53	32120–74	1	Snap–Ring
55	93–0097	1	Valve–Screw
56	93–0083	1	Plate–Valve

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



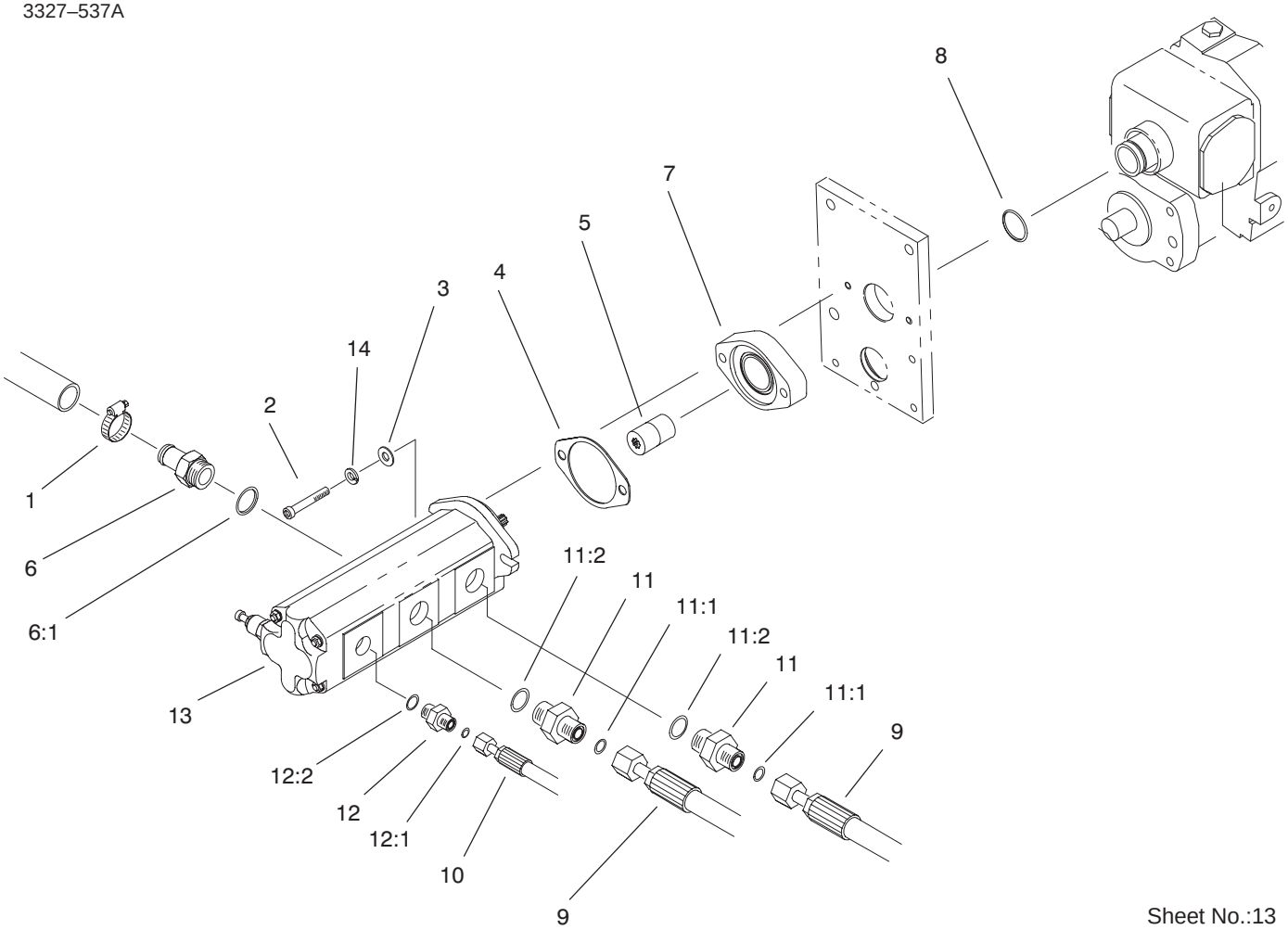
Sheet No.:12

Traction Control Assembly

Ref. No.	Part No.	Qty.	Description
1	3272–10	1	Pin–Cotter
2	3256–26	1	Washer–Flat
3	322–10	1	Screw–HH
4	32105–21	2	Screw–HH
5	29–6162	1	Switch–Micro
6	75–4130	1	Plate–Switch
7	76–9430–03	1	Spring–Extention
8	3296–29	4	Nut–Lock, NI
9	322–7	1	Screw–HH
10	251–307	2	Bearing–Ball
11	75–5470	2	Spacer–Bearing
12	321–5	4	Screw–HH
13	104–1480–03	1	Traction Plate ASM
14	85–9900–03	1	Plate–Anchor, Spring
15	3253–4	2	Washer–Lock
16	322–3	2	Screw–HH
17	92–2581	1	Neutral Switch Arm ASM
17:1	256–113	2	Bushing–Flange
17:2	302–5	1	Fitting–Grease
18	3–6498	2	Washer–Thrust
19	76–8640	1	Stud–Traction
20	3296–9	2	Nut–Lock NI
21	75–4100–03	1	Control–Pump
22	23–2270	1	Bushing–Rubber

Ref. No.	Part No.	Qty.	Description
23	85–9910	1	Eyebolt
24	3217–6	1	Nut–Hex

PROTOTYPE



Sheet No.:13

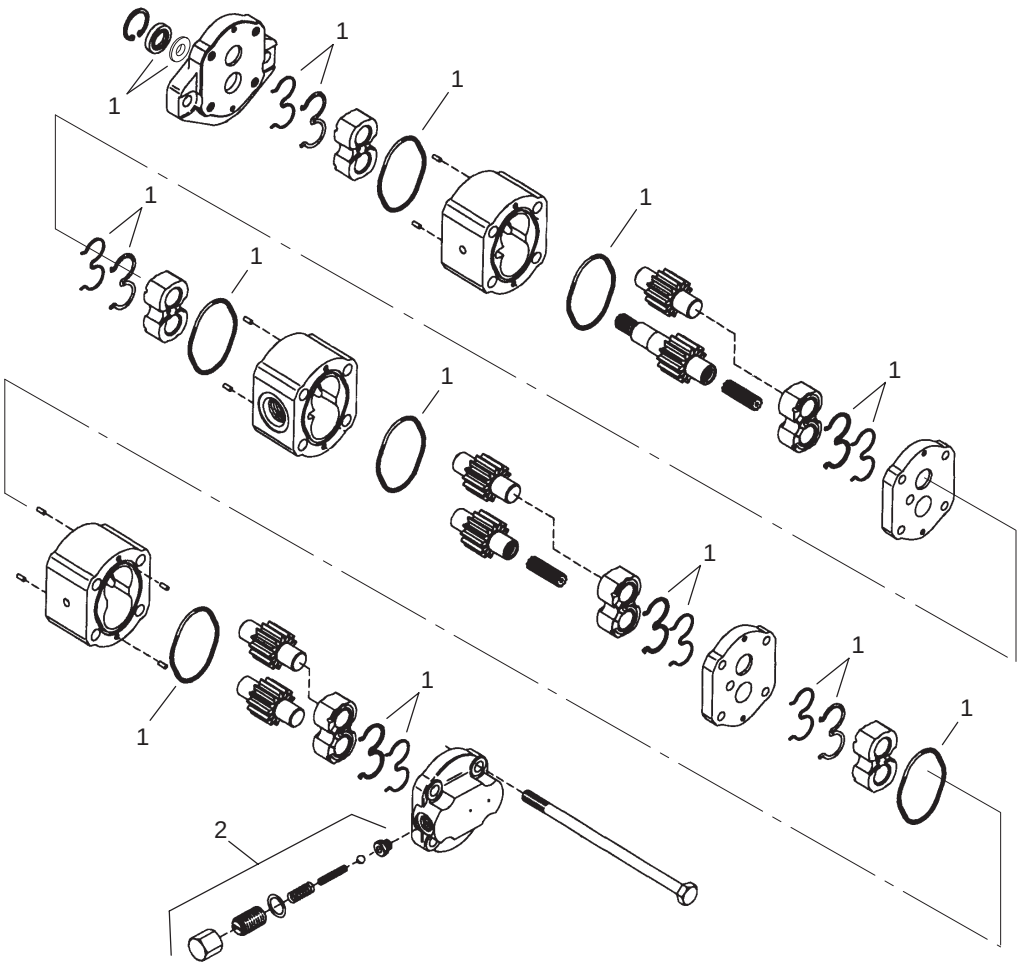
Gear Pump Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	2412–34	1	Clamp–Hose
2	92–4037	2	Capscrew–HSH
3	3256–24	2	Washer–Flat
4	93–3604	1	Gasket
5	93–1396	1	Coupler
6	354–78	1	Connector–Hose
6:1	237–146	1	O–Ring
7	75–4400–03	1	Adaptor
8	237–163	1	O–Ring
9	104–0050	2	Hyd Hose ASM
10	104–0051	1	Hyd Hose ASM
11	340–7	2	Adapter
11:1	237–65	1	O–Ring
11:2	237–80	1	O–Ring
12	340–2	1	Fitting–Hyd, Straight
12:1	237–22	1	O–Ring
12:2	237–42	1	O–Ring
13	99–6933	1	Pump–Gear ASM
14	3253–5	2	Washer–Lock

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

* Not illustrated



T–3854
Sheet No.:A5

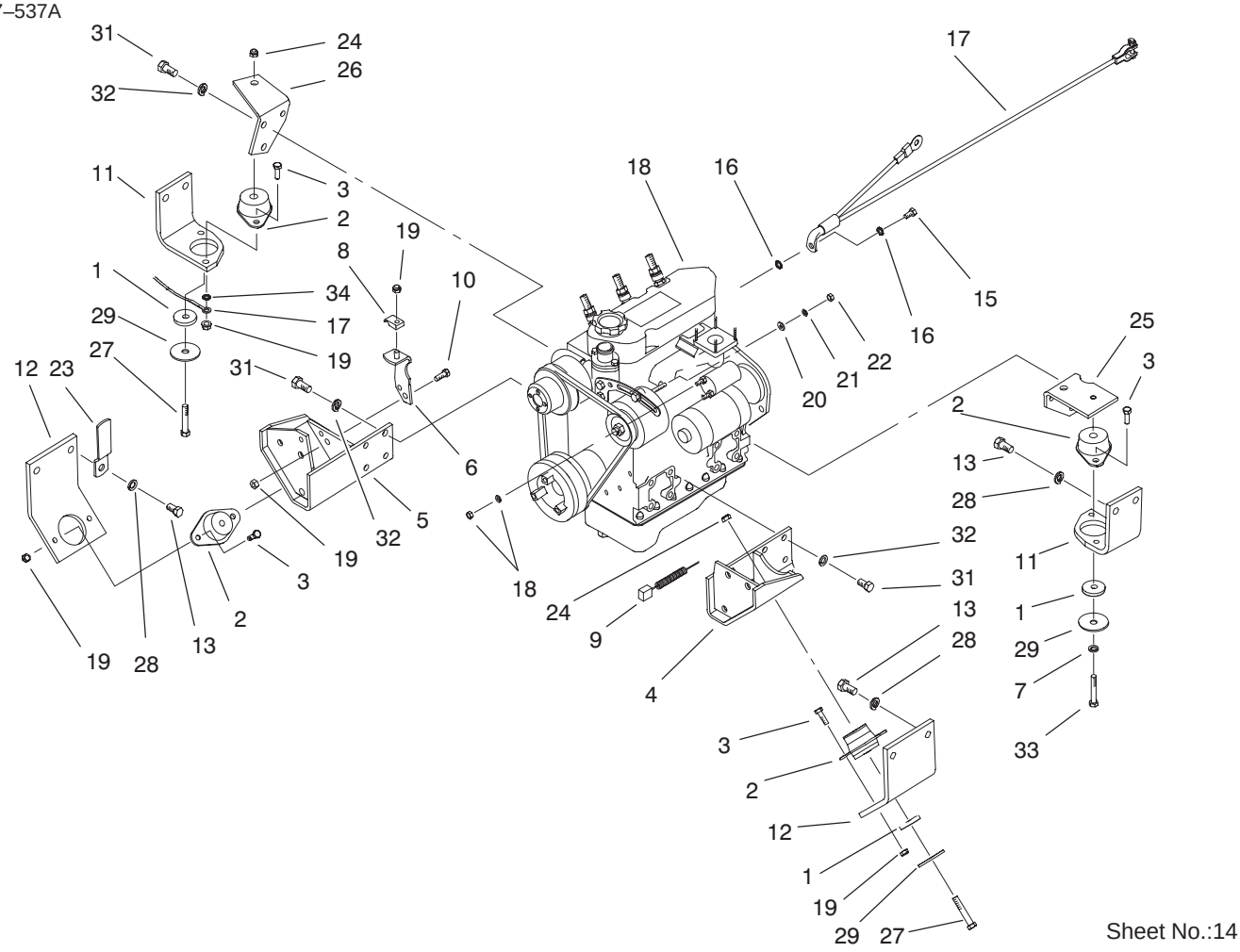
Gear Pump Assembly No. 99–6933

Ref. No.	Part No.	Qty.	Description
1	104–0576	1	Kit–Seal, Pump
2	104–0577	1	Pump Relief Valve ASM

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

* Not illustrated



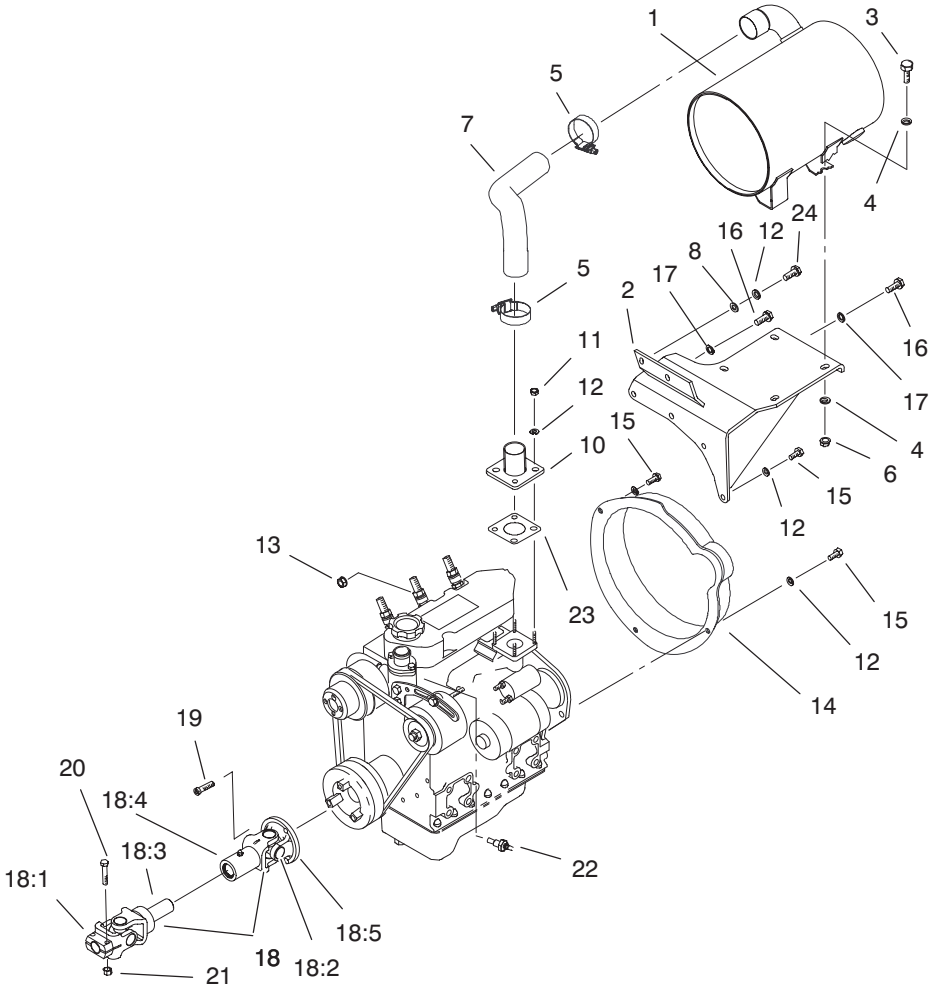
Sheet No.:14

Engine Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	83–1050	4	Spacer
2	83–1030	4	Mount–Engine
3	322–5	8	Screw–HH
4	98–4539–03	1	Bracket–Engine Mount, LH
5	98–4543–03	1	Bracket–Engine Mount, RH
6	98–9749	1	Plate–Throttle
7	3253–21	1	Washer–Lock
8	3–6657	1	Clip–Skid
9	99–3441	1	Harness–Wire, Fusible Link
10	322–4	2	Screw–HH
11	98–4513–03	2	Bracket–Engine, Rear
12	104–1474–03	2	Bracket–Engine, Front
13	3213–2	8	Screw–HH
15	98–9322	1	Bolt–HH, Metric
16	3255–9	2	Washer–Lock/Ext
17	98–4598	1	Cable–Battery, Negative
18	104–9346	1	Engine–Kubota
18	57–6390	1	Nut–Jam
18	42–9850	1	Washer–Lock, Spring
19	3296–29	11	Nut–Lock, NI
20	3256–78	1	Washer–Flat
21	43–5930	1	Washer–Spring

Ref. No.	Part No.	Qty.	Description
22	48–7890	1	Nut
23	98–4594	1	Clamp–Retainer
24	32128–36	3	Nut–HF
25	98–4515–03	1	Bracket–Rear Engine, LH
26	98–4514–03	1	Bracket–Rear Engine, RH
27	323–12	3	Screw–HH
28	3253–7	8	Washer–Lock
29	87–5100	4	Washer–Snubbing
31	43–0090	14	Screw–HH
32	42–9600	14	Lockwasher–Spring
33	323–10	1	Screw–HH
34	3255–8	1	Washer–Lock/Ext

PROTOTYPE



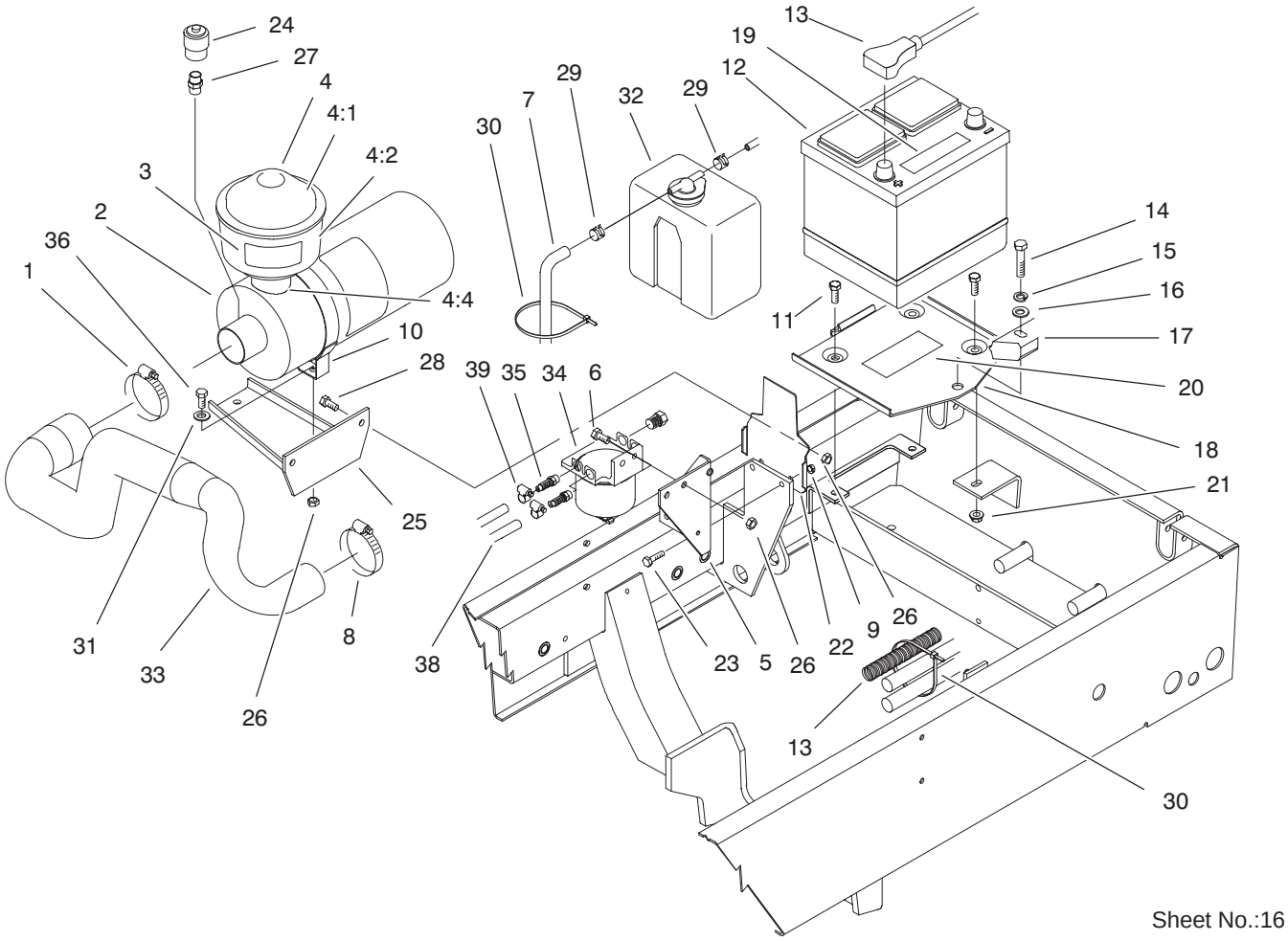
Sheet No.:15

Muffler and Pump Drive Assembly

Ref. No.	Part No.	Qty.	Description
1	104–1430	1	Muffler–Exhaust
2	98–4555–03	1	Bracket–Muffler
3	323–7	4	Screw–HH
4	3256–4	8	Washer–Flat
5	2412–75	2	Clamp
6	3296–39	4	Nut–Lock, NI
7	98–4524	1	Tube–Exhaust
8	3256–23	2	Washer–Flat
10	98–4527	1	Pipe–Exhaust, Engine
11	33014–00	4	Nut–Hex
12	42–9850	10	Washer–Lock, Spring
13	33024–00	1	Nut–Lock
14	105–7505	1	Guard–Flywheel
15	33114–025	5	Screw–HH
16	43–0090	2	Screw–HH
17	42–9600	2	Lockwasher–Spring
18	99–6977	1	Driveshaft ASM
18:1	98–9768	1	Yoke
18:2	98–9766	2	Kit–Universal Joint
18:3	98–9765	1	Yoke And Shaft
18:4	94–7379	1	Tube–Slip Yoke
18:5	104–1230	1	Yoke
19	98–9322	3	Bolt–HH, Metric
20	322–9	2	Screw–HH
21	3296–29	2	Nut–Lock, NI
22	98–9346	1	Sender–Temperature

Ref. No.	Part No.	Qty.	Description
23	99–8343	1	Gasket–Muffler
24	33114–020	2	Screw–HH

PROTOTYPE



Sheet No.:16

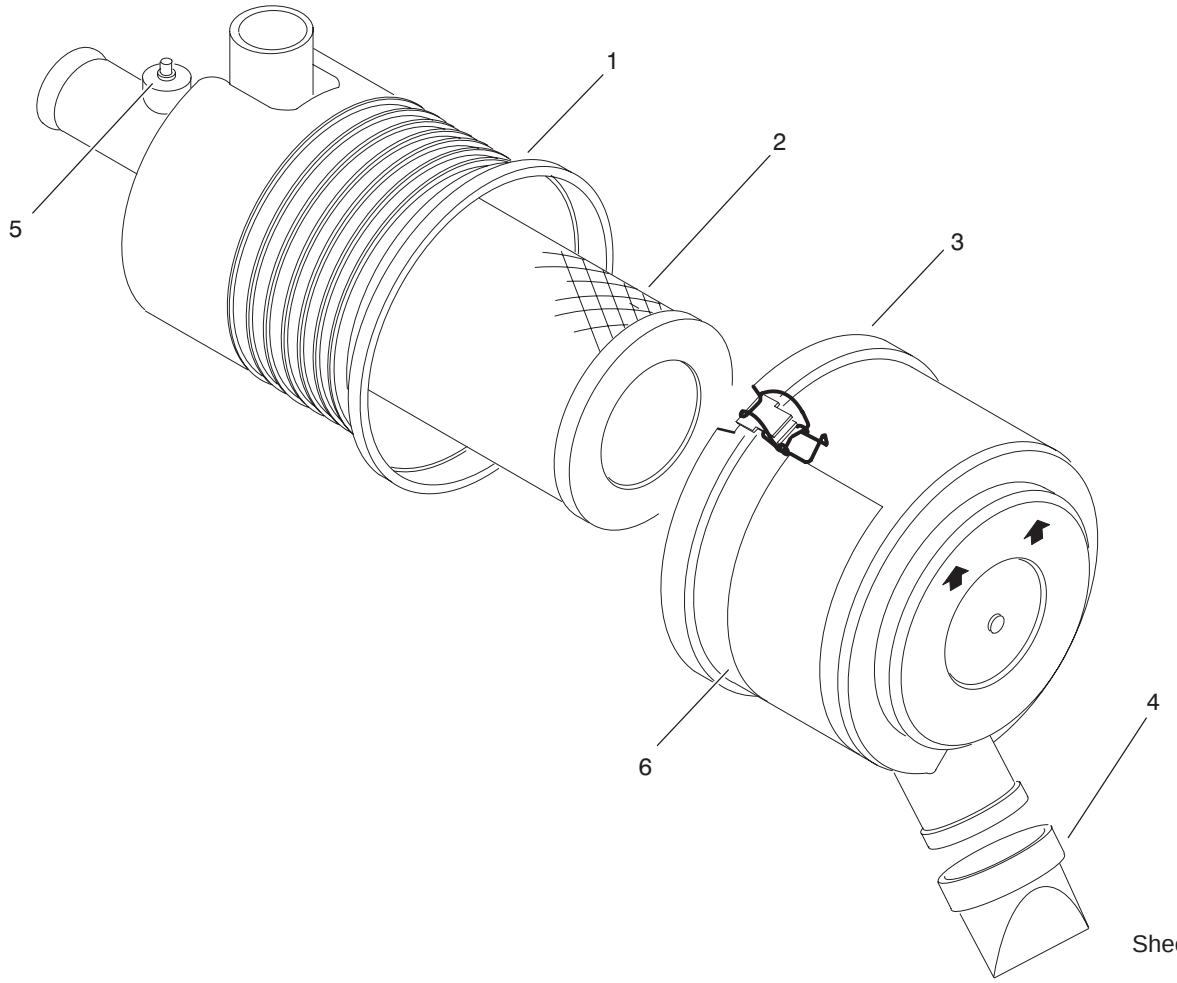
Engine Components Assembly

Ref. No.	Part No.	Qty.	Description
1	2412–42	1	Clamp–Hose
2	98–4517	1	Air Cleaner ASM
3	93–6692	1	Decal–Fluid, Starting
4	48–7430	1	Precleaner
4:1	33–1260	1	Cover ASM
4:2	33–1270	1	Bowl–Clear
*4:3	62–6300	1	Sleeve ASM
4:4	94–6873	1	Clamp
5	98–4578–03	1	Bracket–Filter, Fuel
6	3234–29	2	Screw–HHF
7	63–7630	1	Hose
8	2412–92	1	Clamp–Hose
9	32128–33	2	Nut–HF
10	98–4525	1	Bracket–Cleaner, Air
11	322–4	3	Screw–HH
12	66–2750	1	Battery
13	104–0086	1	Cable–Battery, Positive
14	323–9	1	Screw–HH
15	3253–21	1	Washer–Lock
16	3256–24	1	Washer–Flat
17	66–2490	1	Retainer–Battery
18	94–7343	1	Battery Base ASM
19	93–6668	1	Decal–Battery
20	93–7276	1	Decal–Danger
21	32128–20	1	Nut–HF

Ref. No.	Part No.	Qty.	Description
22	98–4576–03	1	Bracket–Reservoir, Water
23	321–5	2	Screw–HH
24	93–9164	1	Indicator–Mini
25	98–4518–03	1	Bracket–Cleaner, Air
26	3296–29	6	Nut–Lock, NI
27	94–1416	1	Indicator Adapter ASM
28	322–5	2	Screw–HH
29	92–2379	2	Clamp–Hose
30	3290–378	2	Tie–Cable
31	3256–23	2	Washer–Flat
32	104–9318	1	Bottle–Overflow, Water
33	98–4509	1	Hose–Air Cleanner
34	98–9305	1	Filter–Water/Fuel
35	353–783	2	Fitting–Pump
36	322–6	2	Screw–HH
38	95–4275	1	Hose–Fuel
39	2412–108	4	Clamp–Worm

PROTOTYPE

* Not illustrated



Sheet No.:B1
T–2903

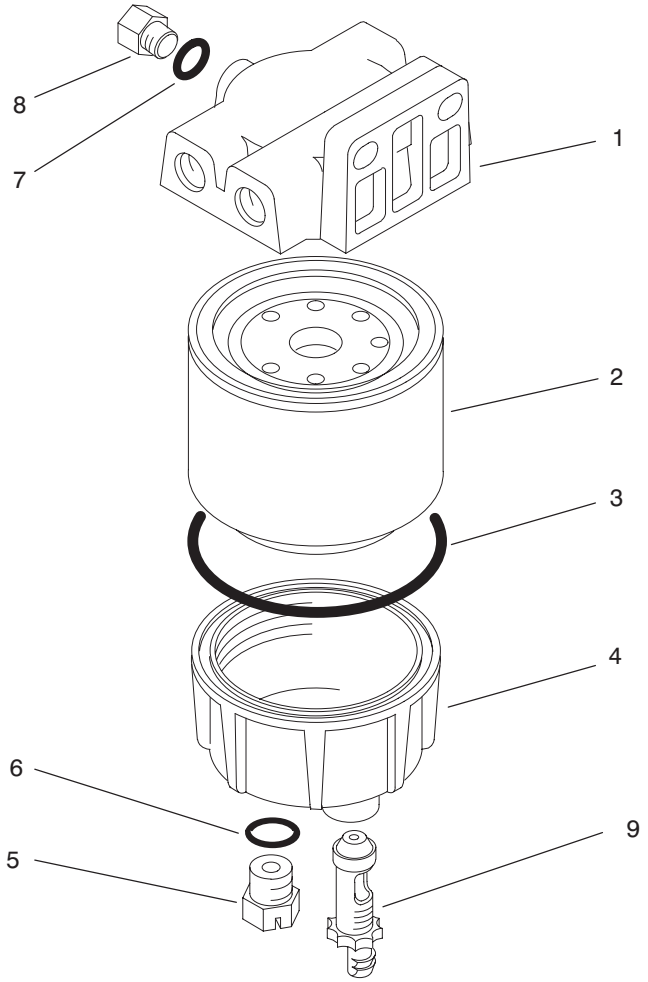
Air Cleaner Assembly No. 98–4517

Ref. No.	Part No.	Qty.	Description
☆1		1	Body Assembly
2	98–9763	1	Element ASM
3	98–9771	1	Cover ASM
4	94–1414	1	Valve–Vacuator
☆5		1	Plug
6	98–9788	1	Decal–Instruction

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

☆ Not serviced separately



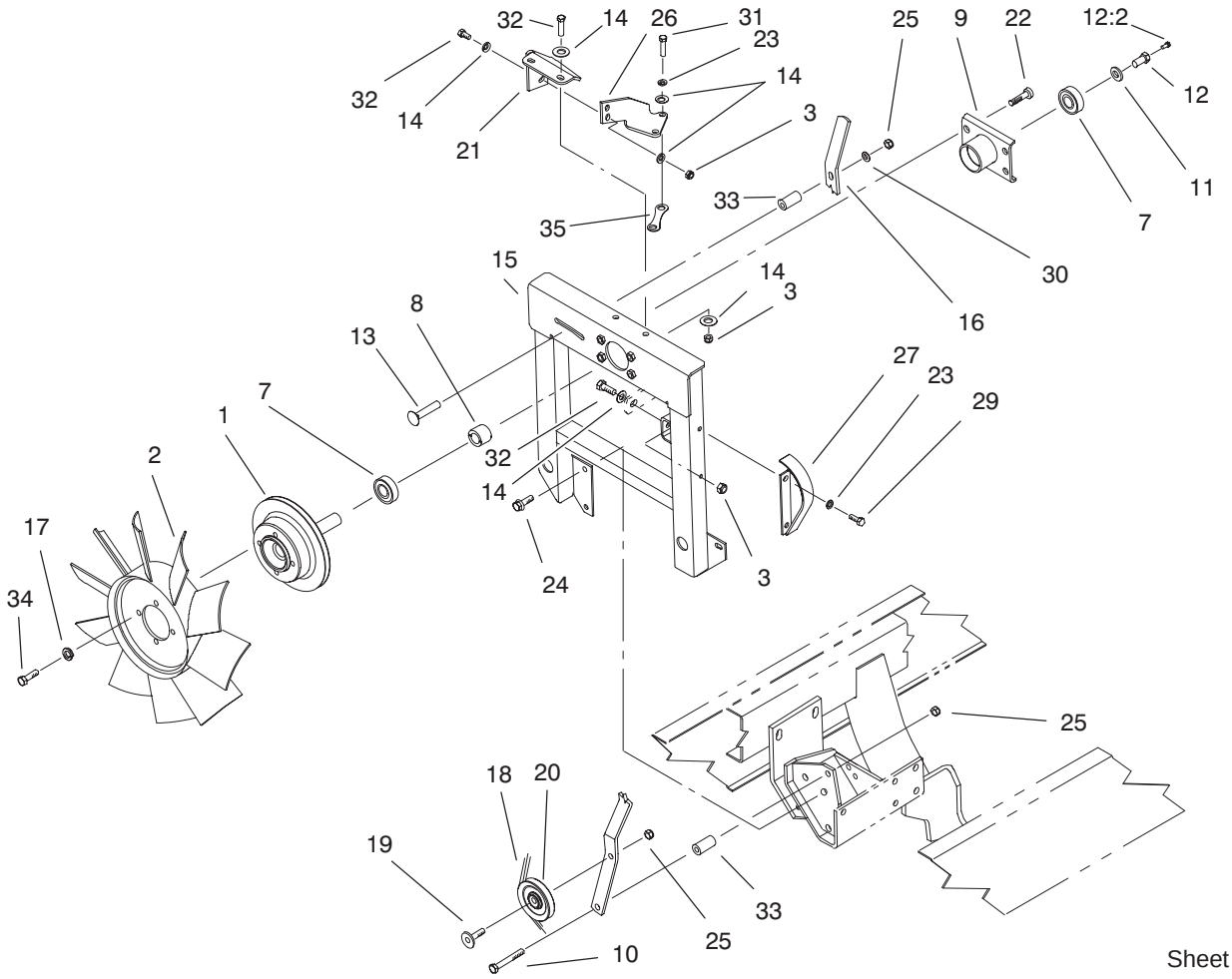
Sheet No.:B2
T–3330

Water/Fuel Separator Assembly No. 98–9305

Ref. No.	Part No.	Qty.	Description
1	98–9772	1	Head–Filter
2	98–9764	1	Element–On, Spin
3	98–9774	1	O–Ring–Base, Filter
4	98–9775	1	Base–Filter
5	98–9773	1	Plug–Base, Filter
6	237–42	1	O–Ring
7	237–78	1	O–Ring
8	98–9776	1	Plug–Head, Filter
9	98–9777	1	Drain Valve ASM

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



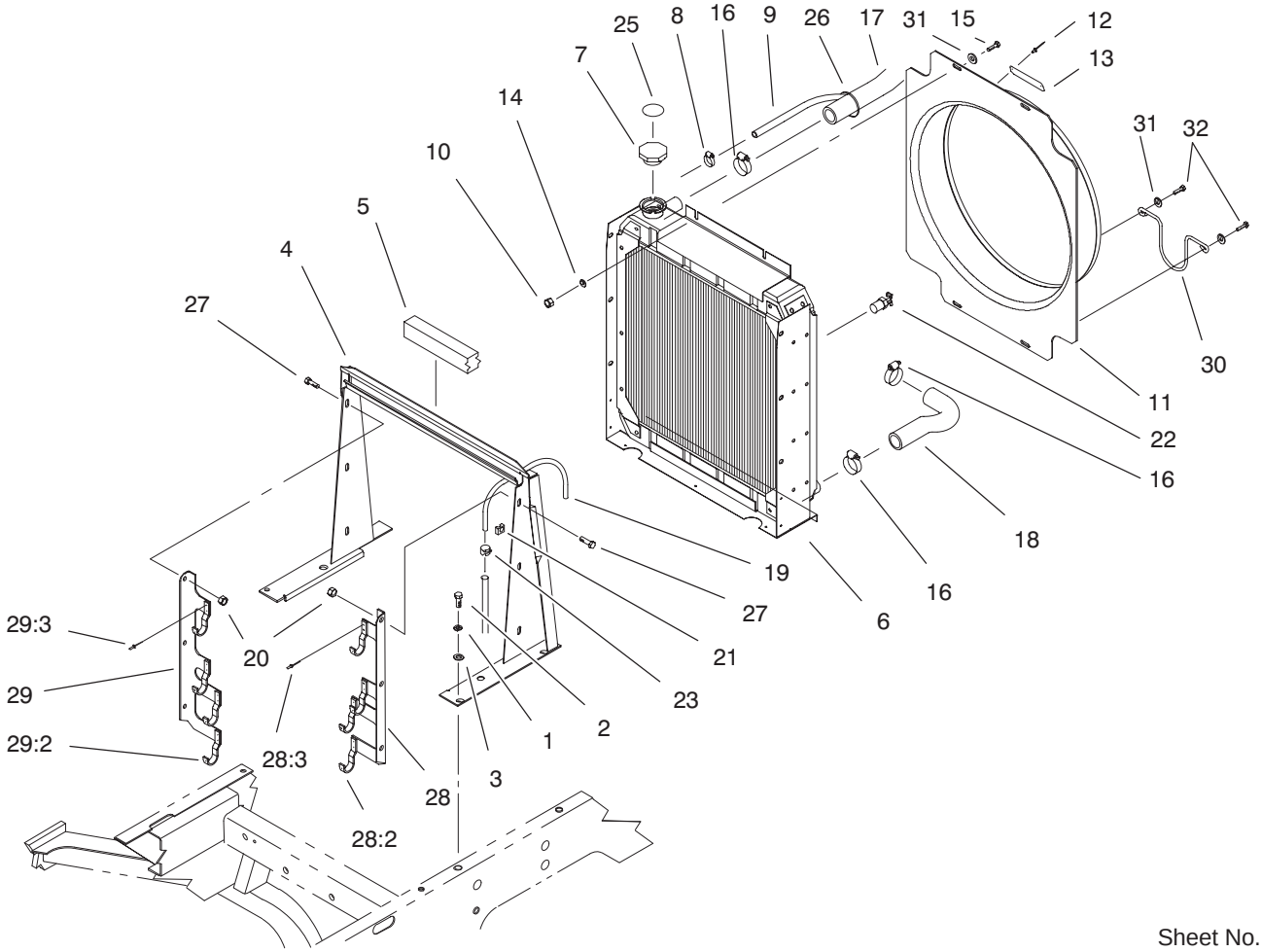
Sheet No.:17

Fan Drive Assembly

Ref. No.	Part No.	Qty.	Description
1	104–0000–03	1	Pulley
2	99–6937	1	Fan
3	3296–29	5	Nut–Lock, NI
7	251–318	2	Bearing
8	104–0001	1	Spacer
9	104–0017–03	1	Hub ASM
10	323–12	1	Screw–HH
11	63–8410	1	Washer
12	11–0160	1	Roller Shaft Screw ASM
12:2	302–5	1	Fitting–Grease
13	104–1487	1	Bolt–CARR
14	3256–23	11	Washer–Flat
15	104–1440–03	1	Support–Fan
16	104–0006–03	1	Lever–Fan Idler
17	3253–4	4	Washer–Lock
18	98–3921	1	Belt
19	95–3857	1	Screw–Head, Button
20	63–8140	1	Pulley–Idler
21	104–1447–03	1	Bracket–Fan, Support
22	3274–12	4	Screw–HSH
23	42–9850	4	Washer–Lock, Spring
24	3234–29	6	Screw–HHF
25	3296–59	3	Nut–Lock, NI
26	104–1481–03	1	Bracket–Mount, Fan
27	98–4561–03	1	Shield–Alternator

Ref. No.	Part No.	Qty.	Description
29	32144–14	2	Screw–HWH
30	3256–24	1	Washer–Flat
31	33114–020	2	Screw–HH
32	322–4	5	Screw–HH
33	104–0007	2	Spacer
34	322–3	4	Screw–HH
35	104–1482	1	Plate–Washer

PROTOTYPE



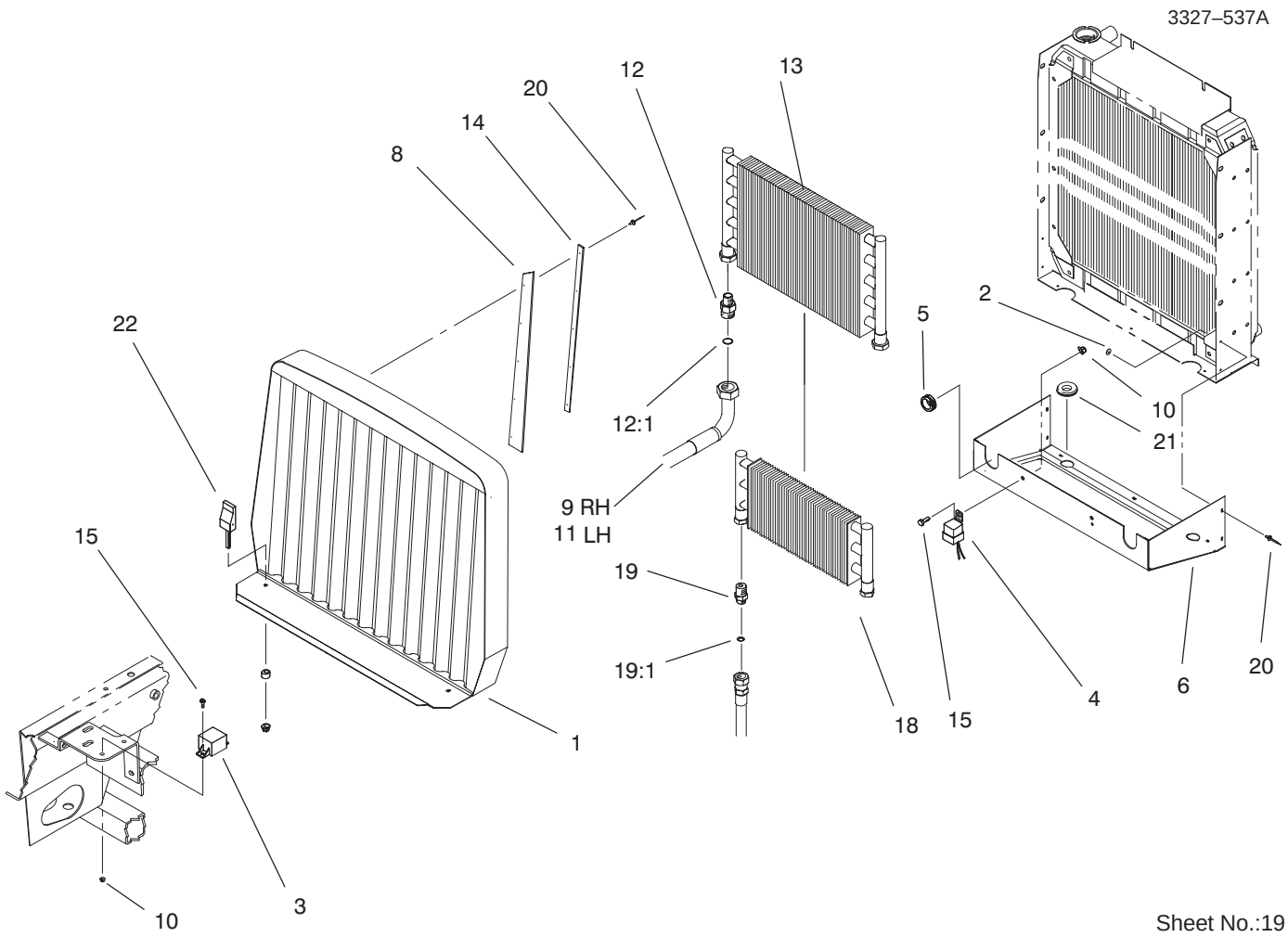
Sheet No.:18

Radiator Assembly

Ref. No.	Part No.	Qty.	Description
1	3253–4	4	Washer–Lock
2	322–5	4	Screw–HH
3	3256–23	4	Washer–Flat
4	99–6970–03	1	Support–Radiator
5	104–1418	1	Strip–Foam, Radiator
6	99–6936	1	Radiator
7	66–3240	1	Cap–Radiator
8	92–2379	1	Clamp–Hose
9	104–0079	1	Hose
10	3296–42	4	Nut–Lock, NI
11	99–6939	1	Shroud–Fan
12	3290–271	2	Rivet–Pop
13	98–9335	1	Plate–Warning, Fan
14	3256–22	4	Washer–Flat
15	321–4	2	Screw–HH
16	2412–34	4	Clamp–Hose
17	104–0013	1	Hose–Radiator, Upper
18	104–0014	1	Hose–Radiator, Lower
19	66–3180	1	Tube–Vent
20	32128–20	6	Nut–HF
21	2412–103	1	Clamp
22	304–46	1	Draincock
23	2412–98	1	Clamp
25	93–7840	1	Decal–Cap, Radiator
26	3290–379	1	Tie–Cable
27	3234–5	6	Screw

Ref. No.	Part No.	Qty.	Description
28	99–6991	1	LH Cooler Mount ASM
28:2	75–0930	4	Hook–Cooler Mount
28:3	3269–15	8	Rivet
29	99–6994	1	RH Cooler Mount ASM
29:2	75–0930	4	Hook–Cooler Mount
29:3	3269–15	8	Rivet
30	104–1448	1	Hoop–Driveline
31	3256–55	4	Washer–Flat
32	321–6	2	Screw–HH

PROTOTYPE



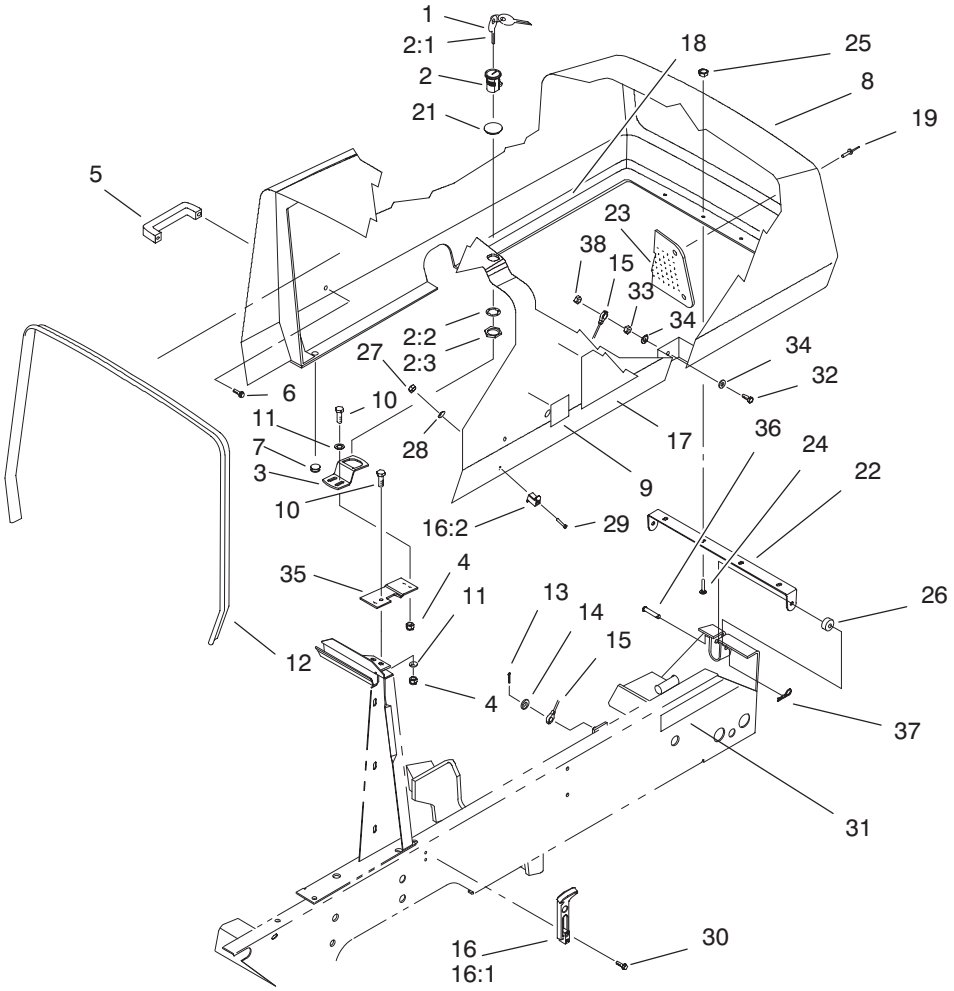
Sheet No.:19

Oil Cooler and Radiator Assembly

Ref. No.	Part No.	Qty.	Description
1	99–6974–03	1	Screen–Front
2	3269–10	5	Washer–Back
3	66–8800	1	Relay
4	70–1480	1	Relay
5	240–3	2	Grommet–Rubber
6	99–6973–03	1	Shield–Radiator
8	93–3623	2	Strip–Sealing, Radiator
9	104–0075	1	Hyd Hose ASM
10	3296–42	3	Nut–Lock, NI
11	104–0074	1	Hyd Hose ASM
12	99–6999	2	Fitting–Hyd
12:1	237–58	1	O–Ring
13	99–6997	1	Cooler–Oil
14	93–3624–03	2	Plate–Retaining
15	321–4	3	Screw–HH
18	24–0760	1	Cooler ASM
19	340–124	2	Adapter
19:1	237–22	1	O–Ring
20	3269–13	15	Rivet–Pop
21	100–3815	2	Grommet–Rubber
22	93–1374	2	Latch–Swell

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:20

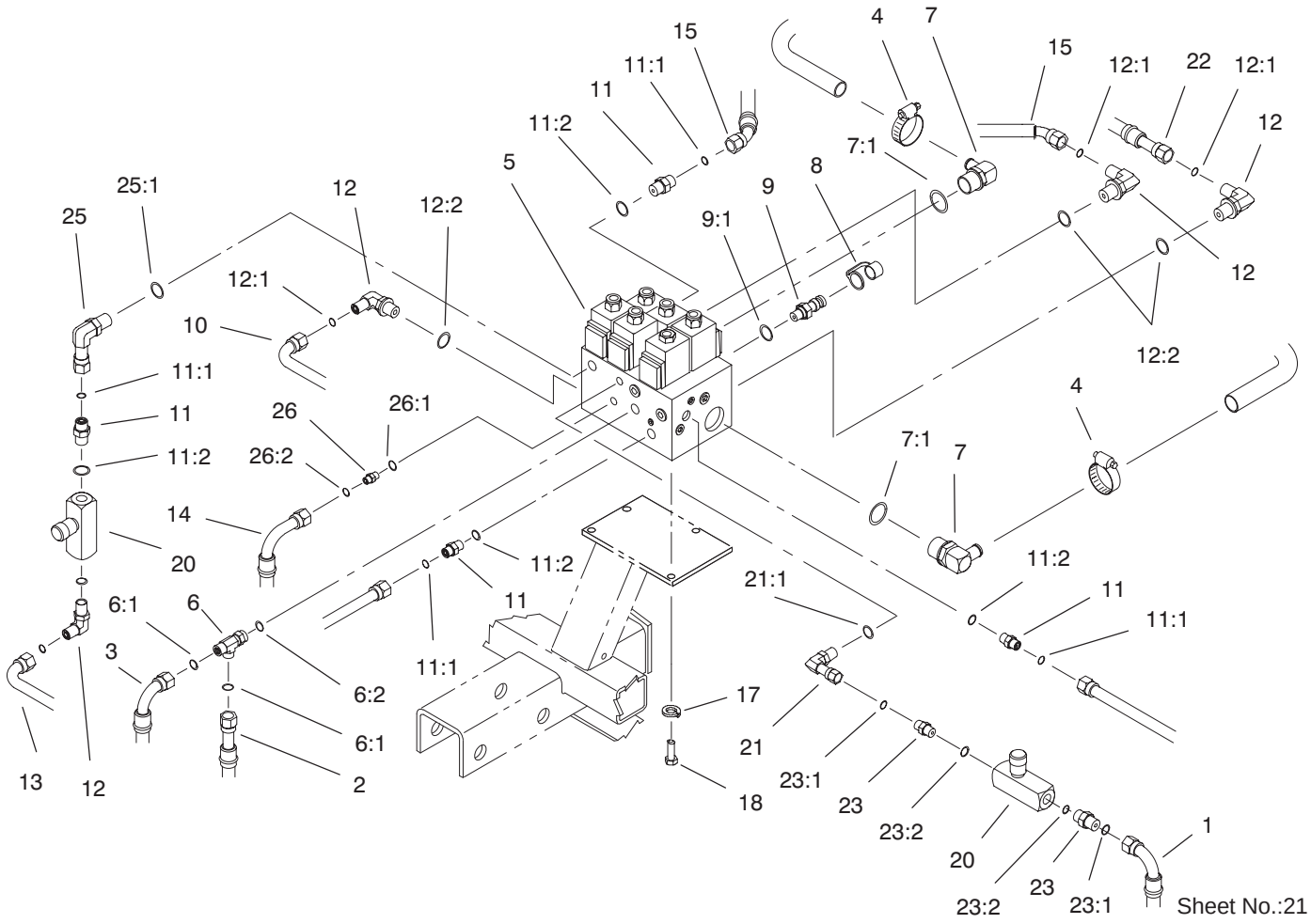
Hood Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9321	1	Ring–Key
2	98–9315	1	Latch–Locking
2:1	99–8350	2	Key–Latch, Locking
☆2:2		1	Washer–Switch
☆2:3		1	Nut–Switch
3	98–9316	1	Latch–Hood
4	3296–16	4	Nut–Lock, NI
5	65–5100	2	Handle–Door
6	46–8091	4	Screw–HWH
7	104–1412	2	Grommet–Bumper
8	104–9320	1	Hood ASM
9	93–7252	1	Decal–International
10	321–4	4	Screw–HH
11	3256–1	4	Washer–Flat
12	104–1419	1	Strip–Bulb
13	3272–4	2	Pin–Cotter
14	3256–23	2	Washer–Flat
15	75–0570	2	Cable–Hood
16	104–0010	2	Latch–Draw, Flexible
16:1	104–0011	1	Handle–Latch
16:2	104–0012	1	Keeper–Latch
17	99–6988	2	Decal
18	104–9328–03	1	Frame–Angle
19	104–1417	10	Rivet–Plastic
21	104–1453	1	Grommet
22	104–0042–03	1	Strap–Hinge

Ref. No.	Part No.	Qty.	Description
23	104–0043–03	1	Screen–Rear
24	3229–3	4	Screw–CARR
25	32128–33	4	Nut–HF
26	104–1429	2	Spacer–Plastic
27	3296–12	2	Nut–Lock
28	3256–51	2	Washer–Flat
29	104–1452	2	Screw–PPH
30	104–1451	4	Screw–TAP, PPH
31	72–3560	1	Decal (only on: 03551)
32	321–15	2	Screw–HH
33	3218–1	2	Nut–Jam
34	3256–16	4	Washer–Flat
35	104–1439	1	Plate–Latch
36	94–3829	2	Pin–Clevis
37	3290–250	2	Pin–Hair, Cotter
38	3296–56	2	Nut–Lock, NI

PROTOTYPE

☆ Not serviced separately

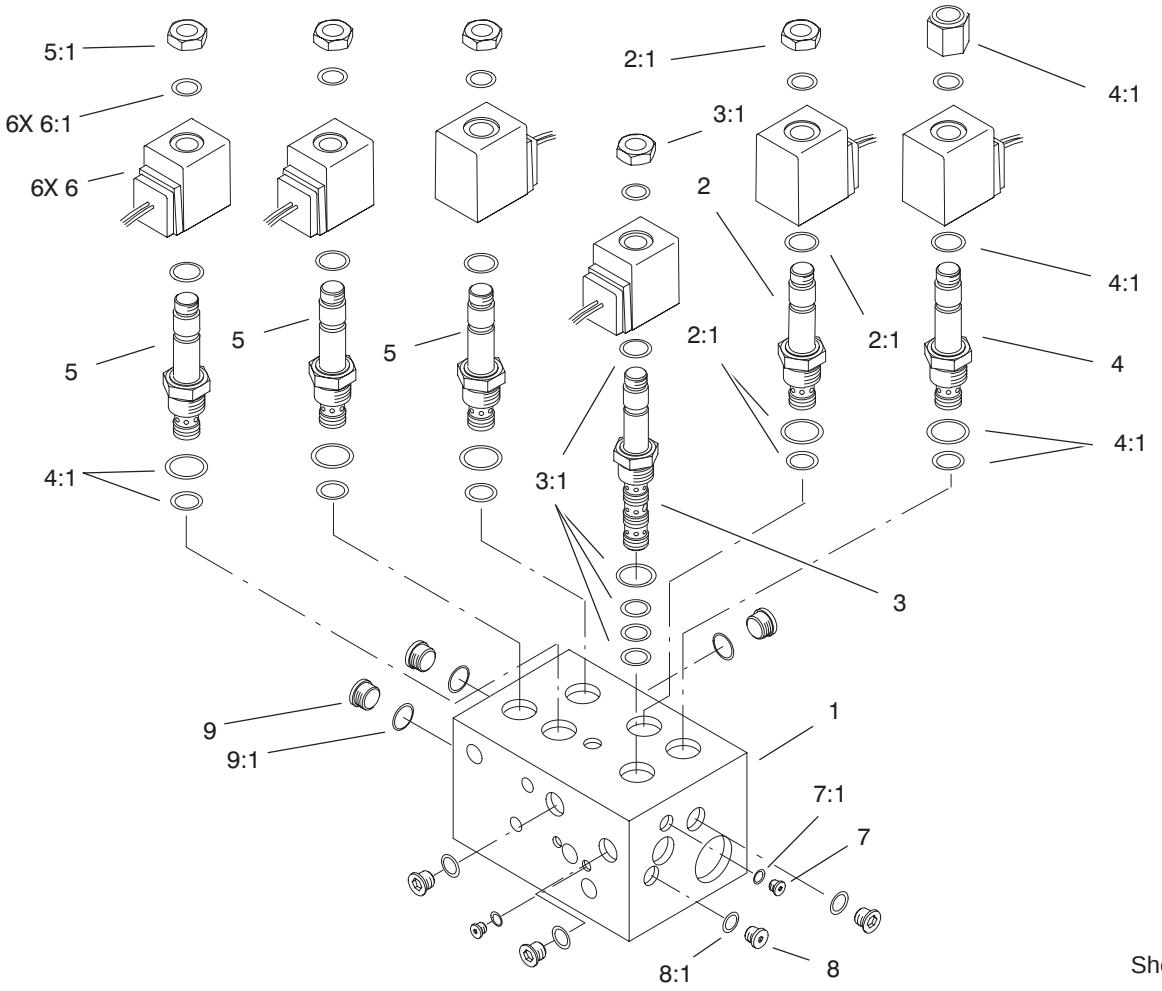


Lift Block Assembly

Ref. No.	Part No.	Qty.	Description
1	104–0061	1	Hyd Hose ASM
2	104–0060	1	Hyd Hose ASM
3	104–0059	1	Hyd Hose ASM
4	2412–34	2	Clamp–Hose
5	104–9335	1	Manifold Block–Lift
6	340–86	1	Fitting–Tee, Hyd
6:1	237–22	2	O–Ring
6:2	237–42	1	O–Ring
7	23–8910	2	Stem–Barb, 90°
7:1	237–146	1	O–Ring
8	354–79	1	Cap–Dust, Yellow
9	59–7410	1	Tip–Nipple, Diagonal
9:1	237–42	1	O–Ring
10	98–3907	1	Tube ASM
11	340–2	4	Fitting–Hyd, Straight
11:1	237–22	1	O–Ring
11:2	237–42	1	O–Ring
12	340–77	4	Fitting–Hyd, 90°
12:1	237–22	1	O–Ring
12:2	237–42	1	O–Ring
13	104–0093	1	Tube ASM
14	104–0062	1	Hyd Hose ASM
15	104–0055	2	Hyd Hose ASM
17	3253–4	3	Washer–Lock
18	322–3	3	Screw–HH
20	98–9742	2	Valve–Control, Flow

Ref. No.	Part No.	Qty.	Description
21	340–143	1	Elbow–Swivel, 90°
21:1	237–78	1	O–Ring
22	104–0054	1	Hyd Hose ASM
23	340–1	2	Adapter
23:1	237–35	1	O–Ring
23:2	237–42	1	O–Ring
25	340–110	1	Elbow–Swivel, 90°
25:1	237–42	1	O–Ring
26	340–92	1	Fitting–Straight, Hyd
26:1	237–78	1	O–Ring
26:2	237–21	1	O–Ring

PROTOTYPE



T–3829
Sheet No.:B3

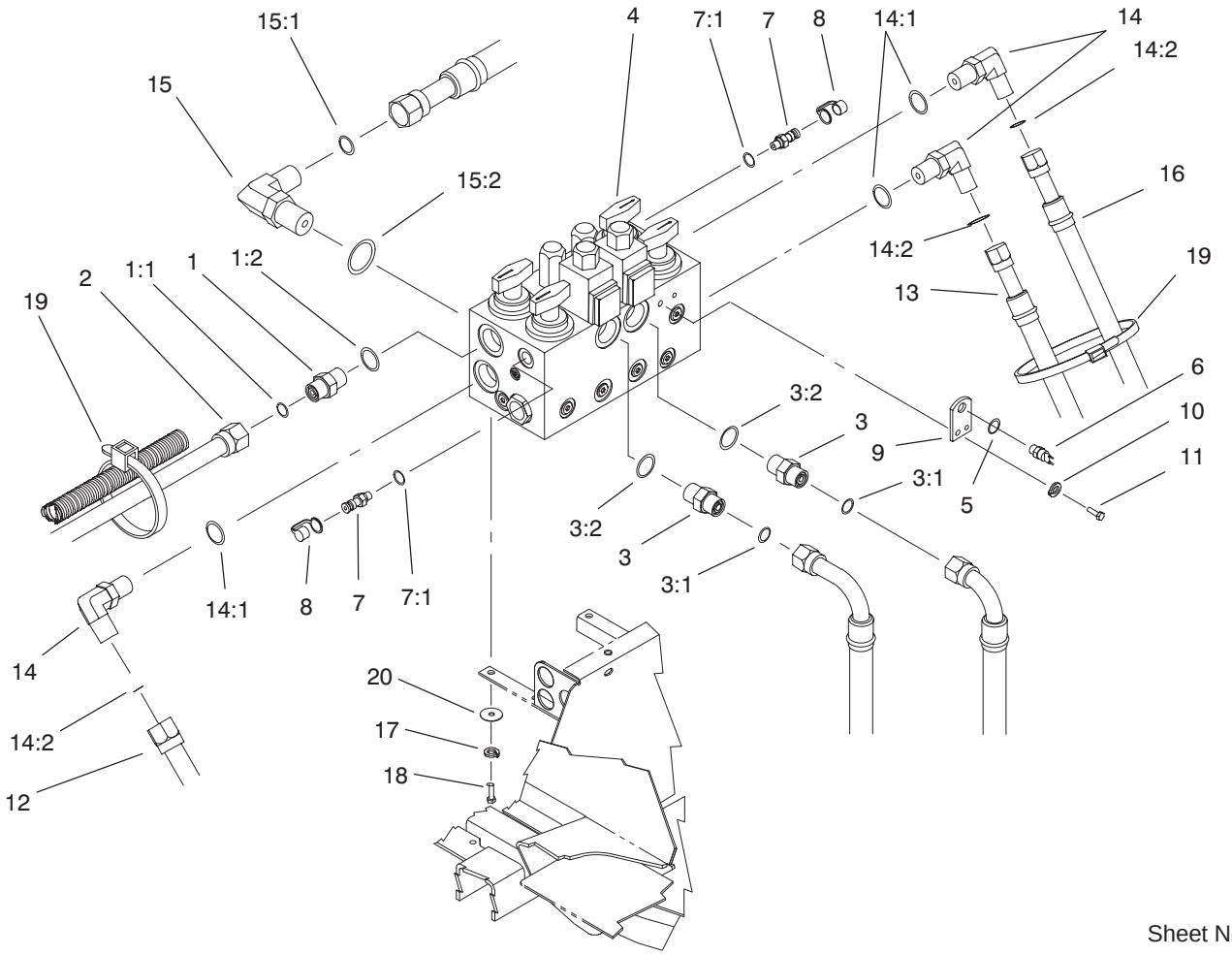
Lift Block Assembly No. 104–9335

Ref. No.	Part No.	Qty.	Description
☆1		1	Manifold Body
2	92–6315	1	Cartridge–N.c., Poppet
2:1	104–0004	1	Cartridge Seal Kit
3	94–2627	1	Cartridge
3:1	75–2090	1	Kit–Seal
4	93–7494	1	Cartridge
4:1	75–2080	1	Seal Kit
5	104–1208	3	Cartridge–N.c., Spool
6	83–2010	6	Coil–Valve
6:1	94–5438	2	Seal–Solenoid
7	353–991	4	Plug–Hex, Hollow
7:1	237–156	1	O–Ring
8	353–990	1	Plug
8:1	237–78	1	O–Ring
9	353–989	7	Plug–Hex, Hollow
9:1	237–42	1	O–Ring

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

☆ Not serviced separately



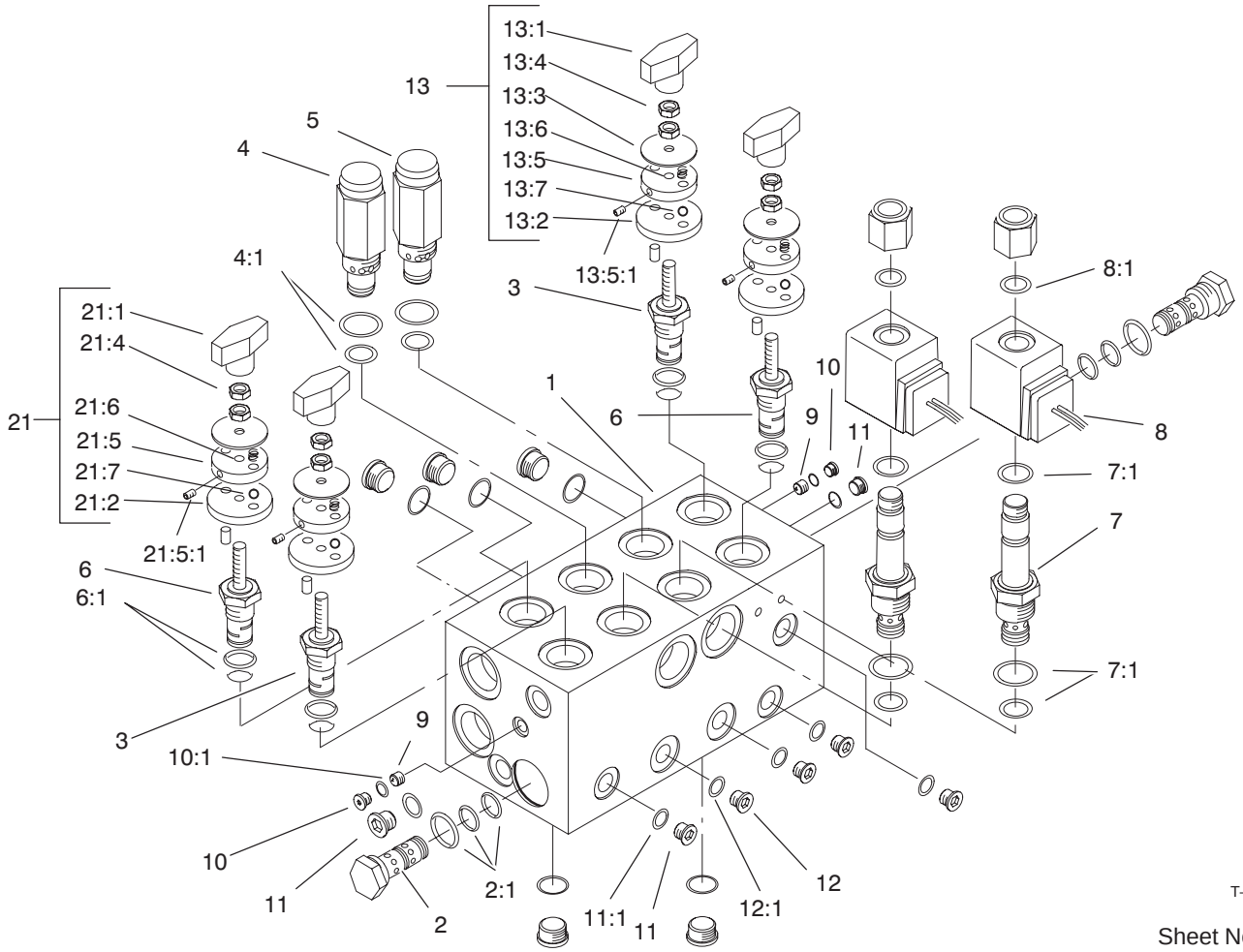
Sheet No.:22

Mow Block Assembly

Ref. No.	Part No.	Qty.	Description
1	340–6	1	Fitting–Straight, Hyd
1:1	237–30	1	O–Ring
1:2	237–80	1	O–Ring
2	98–3905	1	Tube ASM
3	340–7	2	Adapter
3:1	237–65	1	O–Ring
3:2	237–80	1	O–Ring
4	99–6978	1	Block–Manifold, Mow
5	3256–76	2	Washer–Flat
6	72–4320	2	Switch
7	354–77	2	Fitting–Quick
7:1	237–78	1	O–Ring
8	354–79	2	Cap–Dust, Yellow
9	98–8199	2	Bracket–Switch
10	3253–3	4	Washer–Lock
11	329–3	4	Screw–HH
12	98–3906	1	Tube ASM
13	104–0065	1	Hyd Hose ASM
14	340–105	3	Fitting–90°
14:1	237–80	1	O–Ring
14:2	237–30	1	O–Ring
15	340–142	1	Elbow–90°
15:1	237–58	1	O–Ring
15:2	237–81	1	O–Ring
16	104–0066	1	Hyd Hose ASM
17	3253–4	4	Washer–Lock

Ref. No.	Part No.	Qty.	Description
18	322–3	4	Screw–HH
19	3290–378	2	Tie–Cable
20	3256–23	4	Washer–Flat

PROTOTYPE



Sheet No.:B4

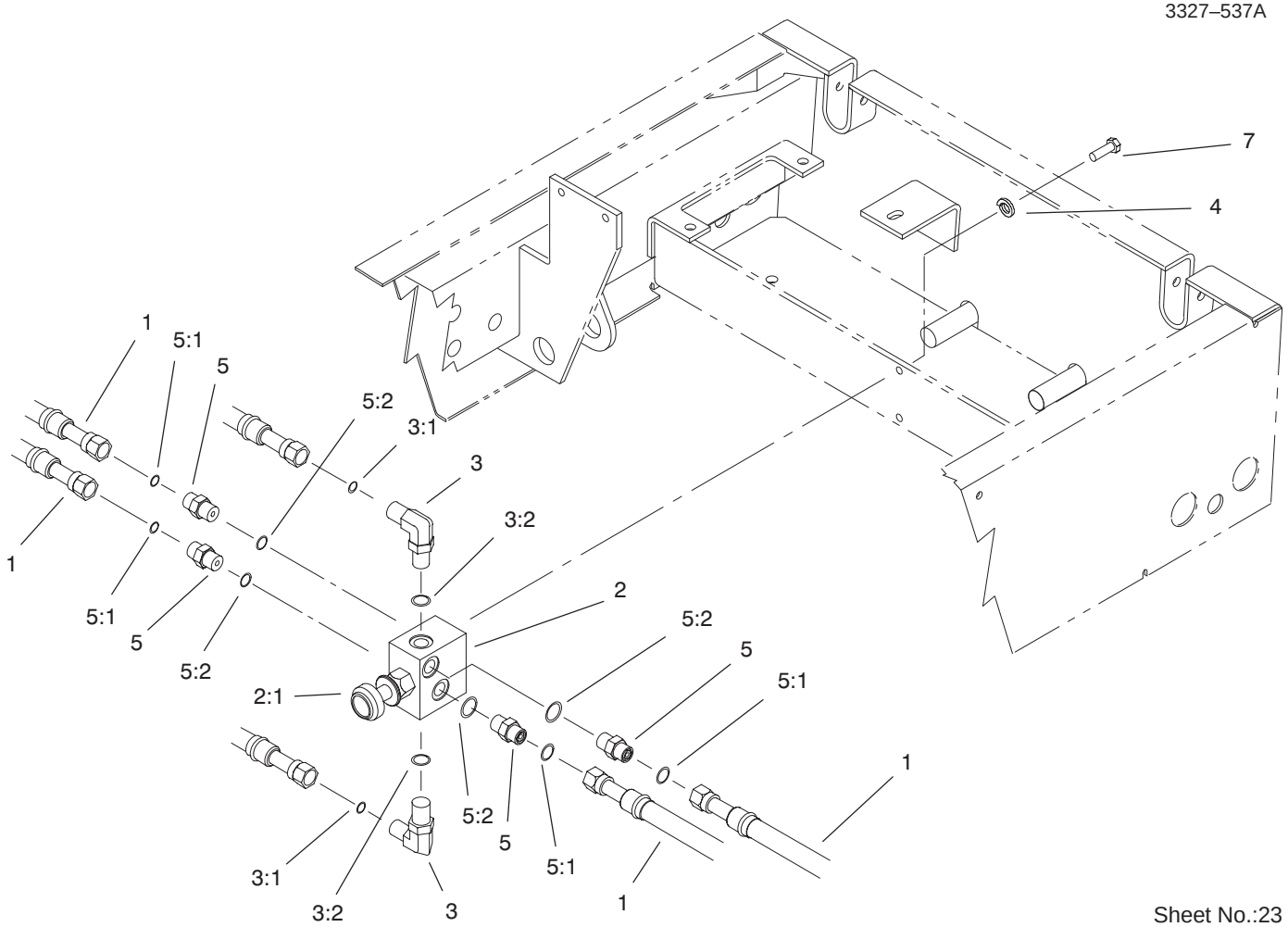
Mow Block Assembly No. 99–6978

Ref. No.	Part No.	Qty.	Description
☆1		1	Body–Manifold
2	69–4120	2	Cartridge–Logic
2:1	69–4240	1	Seal Kit
3	94–8175	2	Control–Flow, Rotary
4	94–3655	1	Valve–Relief
4:1	75–2080	1	Seal Kit
5	104–1200	1	Valve–Relief, Cartridge
6	94–3657	2	Spool ASM
6:1	94–3661	1	Kit–Seal, 4–Way
7	93–7494	2	Cartridge
7:1	75–2080	1	Seal Kit
8	83–2010	2	Coil–Valve
8:1	94–5438	2	Seal–Solenoid
9	95–5999	2	Plug–Orifice
10	353–991	4	Plug–Hex, Hollow
10:1	237–156	1	O–Ring
11	353–990	8	Plug
11:1	237–78	1	O–Ring
12	353–989	4	Plug–Hex, Hollow
12:1	237–42	1	O–Ring
13	94–3660	2	Kit–Detent
13:1	94–5020	1	Knob ASM
13:2	94–5025	1	Plate–Locating
13:3	94–5026	1	Plate–Indicator
13:4	3218–1	2	Nut–Jam
13:5	94–5023	1	Plate–Detent

Ref. No.	Part No.	Qty.	Description
13:5:1	3245–36	1	Screw–HSH
13:6	94–5027	2	Spring
13:7	255–13	2	Ball–Steel, Stainless
21	94–6378	2	Kit–Detent
21:1	94–5020	1	Knob ASM
21:2	94–5021	1	Plate–Locating
21:4	3218–1	2	Nut–Jam
21:5	94–5023	1	Plate–Detent
21:5:1	3245–36	1	Screw–HSH
21:6	94–5027	2	Spring
21:7	255–13	2	Ball–Steel, Stainless

PROTOTYPE

☆ Not serviced separately



Sheet No.:23

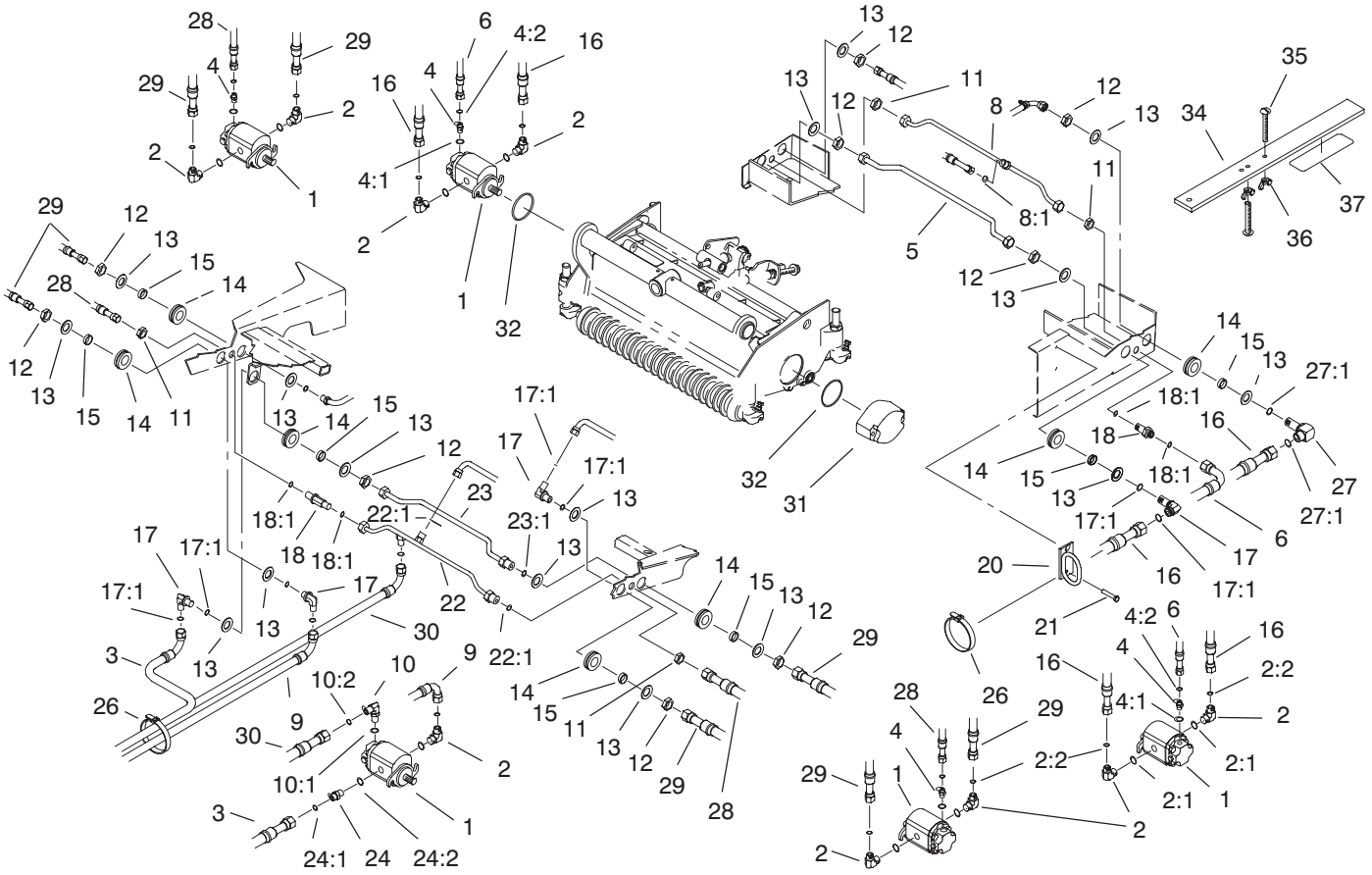
Rear Hydraulic Manifold Assembly

Ref. No.	Part No.	Qty.	Description
1	104–0052	4	Hyd Hose ASM
2	104–9250	1	Control–Flow
2:1	104–0003	1	Cartridge Kit
*2:1:1	105–3334	1	Seal Kit
*2:1:2	105–7514	1	Cartridge Knob Kit
3	340–77	2	Fitting–Hyd, 90°
3:1	237–22	1	O–Ring
3:2	237–42	1	O–Ring
4	3253–3	2	Washer–Lock
5	340–2	4	Fitting–Hyd, Straight
5:1	237–22	1	O–Ring
5:2	237–42	1	O–Ring
7	321–4	2	Screw–HH

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

* Not illustrated



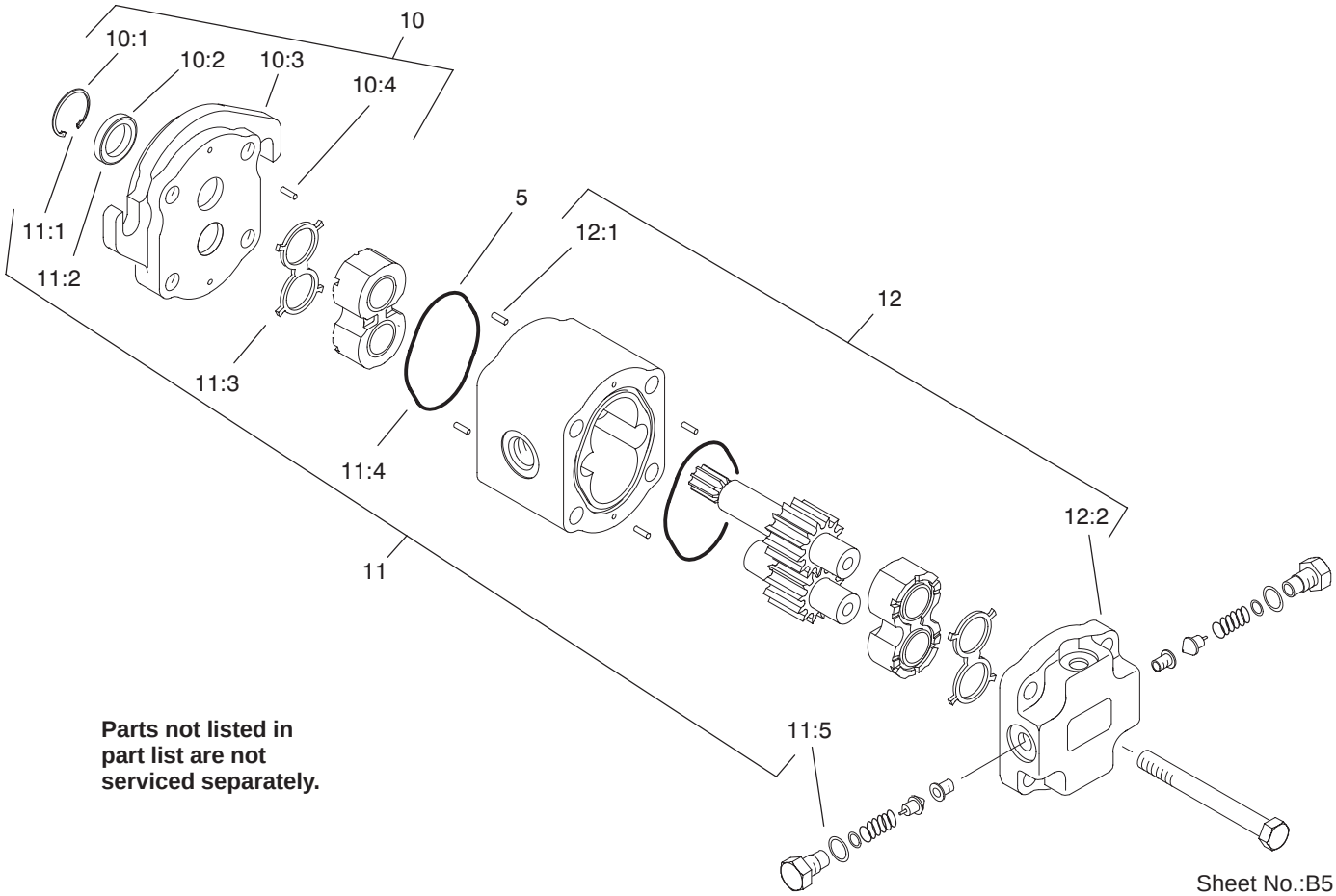
Sheet No.:24

Reel Motor and Hose Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9999	5	Motor–Hydraulic
2	340–98	9	Fitting–Hyd, 90°
2:1	237–79	1	O–Ring
2:2	237–30	1	O–Ring
3	104–0067	1	Hyd Hose ASM
4	340–92	4	Fitting–Straight, Hyd
4:1	237–78	1	O–Ring
4:2	237–21	1	O–Ring
5	94–4918	1	Tube ASM
6	104–0058	2	Hyd Hose ASM
8	100–3714	1	Drain Tube ASM
8:1	237–21	1	O–Ring
9	104–0068	1	Hydraulic Hose ASM
10	340–132	1	Fitting–Hyd, 90°
10:1	237–78	1	O–Ring
10:2	237–21	1	O–Ring
11	340–70	4	Locknut–Bulkhead
12	340–127	9	Nut–Bulkhead
13	69–8930	18	Washer
14	240–5	9	Grommet
15	69–8960	9	Spacer
16	104–0057	4	Hyd Hose ASM
17	93–9151	5	Fitting–Hyd
17:1	237–30	2	O–Ring
18	340–71	3	Fitting–Straight, Bulkhead

Ref. No.	Part No.	Qty.	Description
18:1	237–22	2	O–Ring
20	104–0028	2	Guide–Hose
21	32104–32	4	Screw–HH
22	104–0094	1	Tube ASM
22:1	237–22	3	O–Ring
23	104–0092	1	Tube ASM
23:1	237–30	1	O–Ring
24	340–4	1	Adapter
24:1	237–30	1	O–Ring
24:2	237–79	1	O–Ring
26	3290–379	10	Tie–Cable
27	100–3713	2	Fitting–Hyd, 90°
27:1	237–30	2	O–Ring
28	104–0063	2	Hyd Hose ASM
29	104–0069	4	Hyd Hose ASM
30	104–0064	1	Hyd Hose ASM
31	105–4011–03	5	Weight–End
32	93–9783	10	O–Ring
34	98–1851	1	Bar–Gauge
35	32122–54	2	Screw–Head, Truss
36	32103–3	2	Nut–Wing
37	98–7976	1	Decal–Bar, Gauge

PROTOTYPE



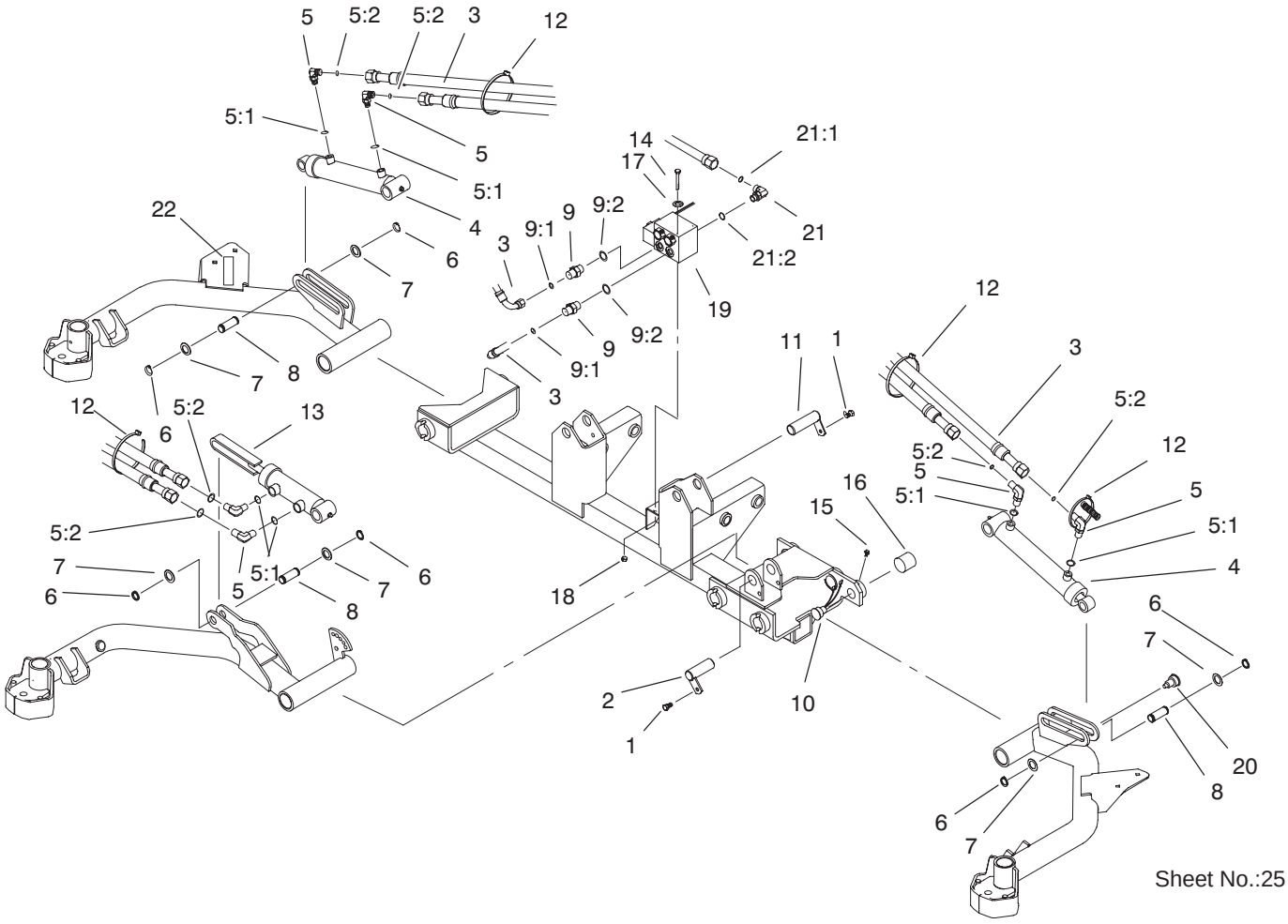
Reel Motor Assembly No. 98–9999

Ref. No.	Part No.	Qty.	Description
10	93–9152	1	Flange Kit
☆10:1		1	Ring–Retaining
☆10:2		1	Seal–Shaft
☆10:3		1	Flange
☆10:4		4	Pin–Dowel
11	98–9997	1	Seal Kit
☆11:1		1	Ring–Retaining
☆11:2		1	Seal–Shaft
☆11:3		2	E–Seal
☆11:4		2	O–Ring
☆11:5		2	O–Ring
12	93–9154	1	Valve Block Kit
☆12:1		4	Pin–Dowel
☆12:2		1	Block–Valve

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

☆ Not serviced separately

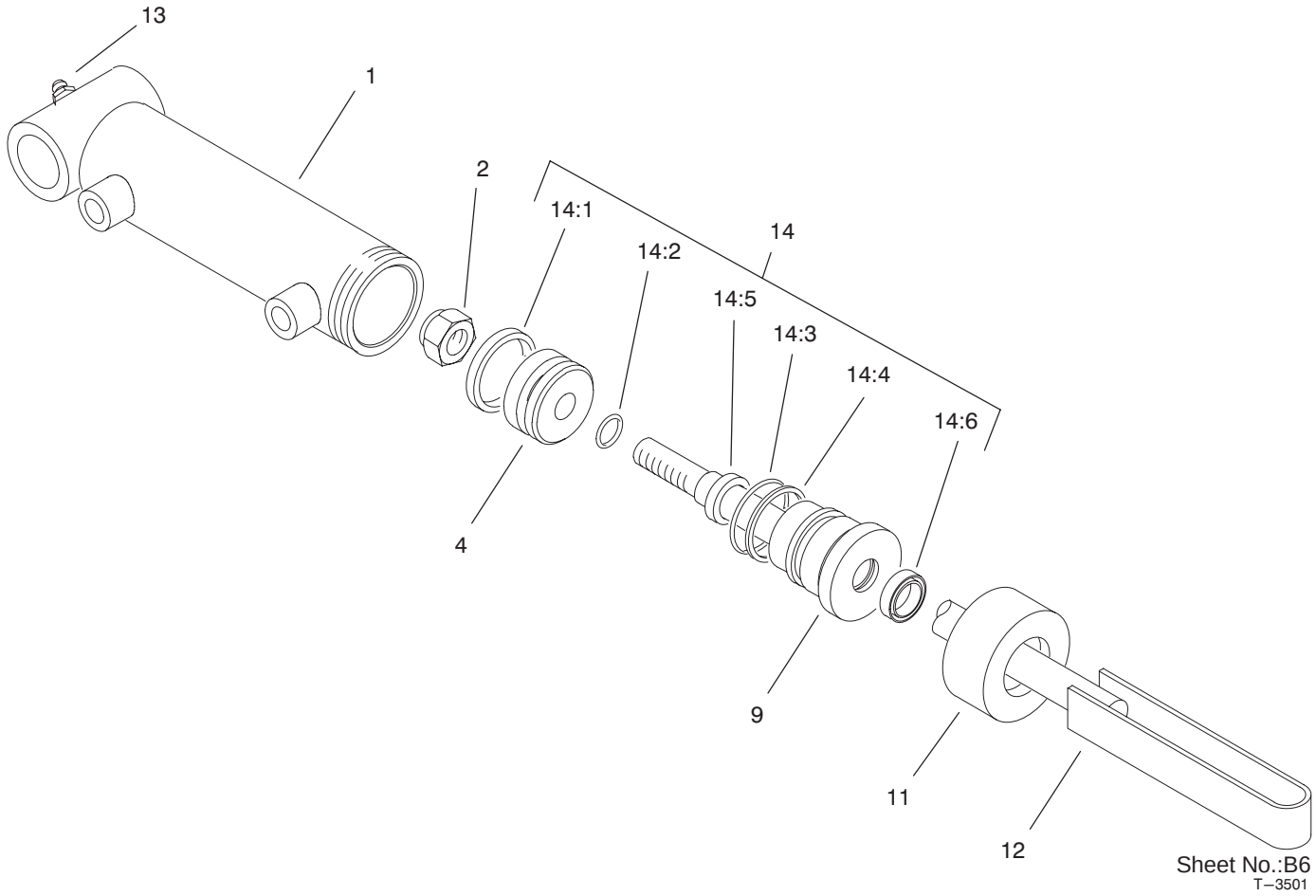


Front Lift Circuit Assembly

Ref. No.	Part No.	Qty.	Description
1	32144–14	3	Screw–HWH
2	83–6790	1	Pin–Cylinder
3	104–0059	2	Hyd Hose ASM
4	99–6986	2	Cylinder–Hydraulic
5	340–132	6	Fitting–Hyd, 90°
5:1	237–78	1	O–Ring
5:2	237–21	1	O–Ring
6	32120–93	6	Ring–Retaining
7	3–6498	6	Washer–Thrust
8	104–0046	3	Pin–Cylinder Slide
9	340–2	2	Fitting–Hyd, Straight
9:1	237–22	1	O–Ring
9:2	237–42	1	O–Ring
10	92–8002	1	Plug–Reed Switch, Magneto
11	83–6780	2	Pin–Cylinder
12	3290–378	2	Tie–Cable
13	99–6987	1	Cylinder–Hyd
14	321–23	2	Screw–HH
15	32104–76	2	Screw
16	75–6370	1	Cap–Sensor
17	3256–1	2	Washer–Flat
18	3296–42	2	Nut–Lock, NI
19	105–3303	1	Flow Divider Valve ASM

Ref. No.	Part No.	Qty.	Description
20	92–8754	1	Lug–Reed Switch, Magnet
21	340–77	1	Fitting–Hyd, 90°
21:1	237–22	1	O–Ring
21:2	237–42	1	O–Ring
22	93–6687	1	Decal–Step, No

PROTOTYPE



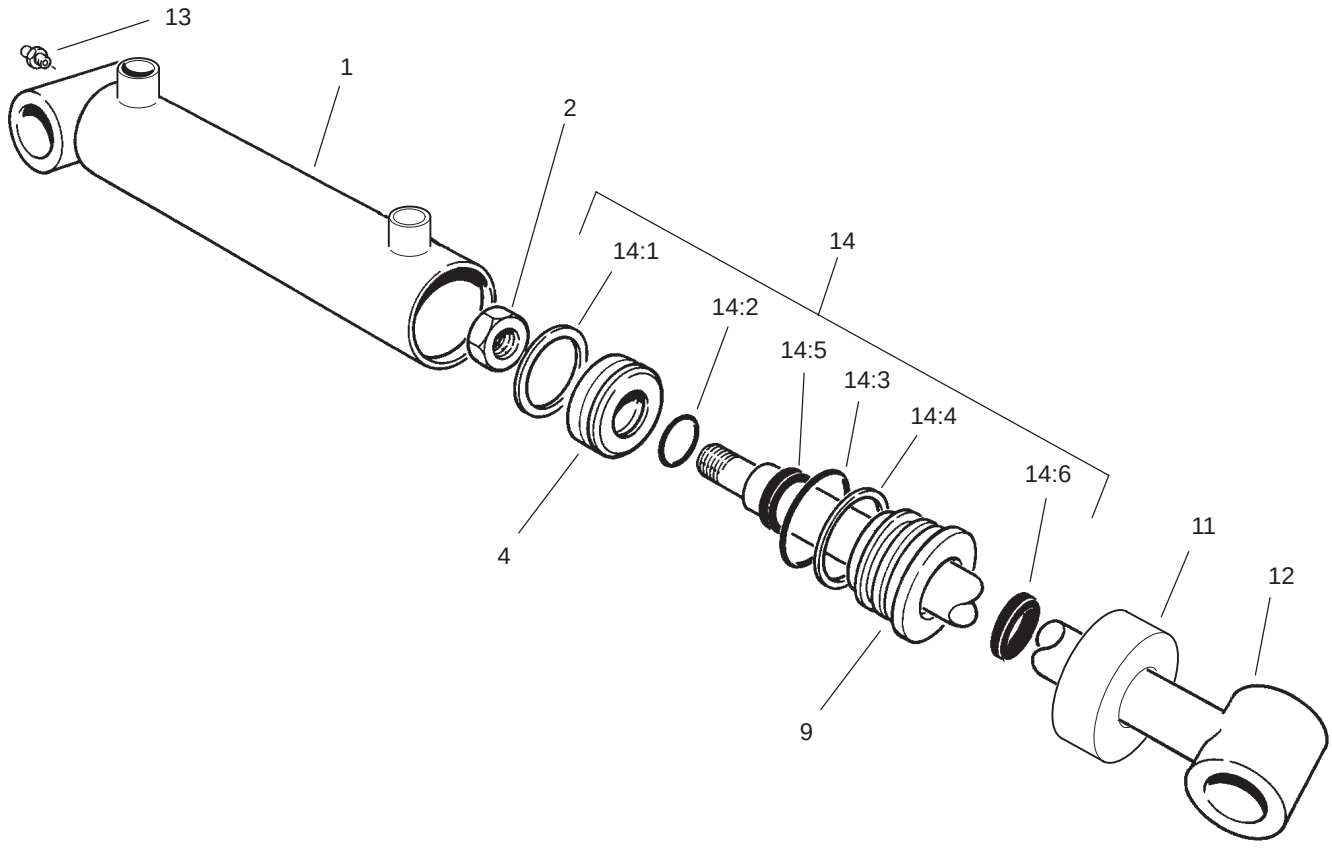
Hydraulic Cylinder Assembly No. 99–6986

Ref. No.	Part No.	Qty.	Description
☆1		1	Barrel
2	32152–10	1	Locknut
☆4		1	Piston
☆9		1	Head
☆11		1	Collar
☆12		1	Shaft W/Clevis
☆13		1	Fitting–Grease
14	100–8023	1	Kit–Repair, Seal
☆14:1		1	Psp Seal
☆14:2		1	O–Ring
☆14:3		1	O–Ring
☆14:4		1	Backup
☆14:5		1	Rod Seal
☆14:6		1	Dust Seal

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

☆ Not serviced separately



T–3383
Sheet No.:B7

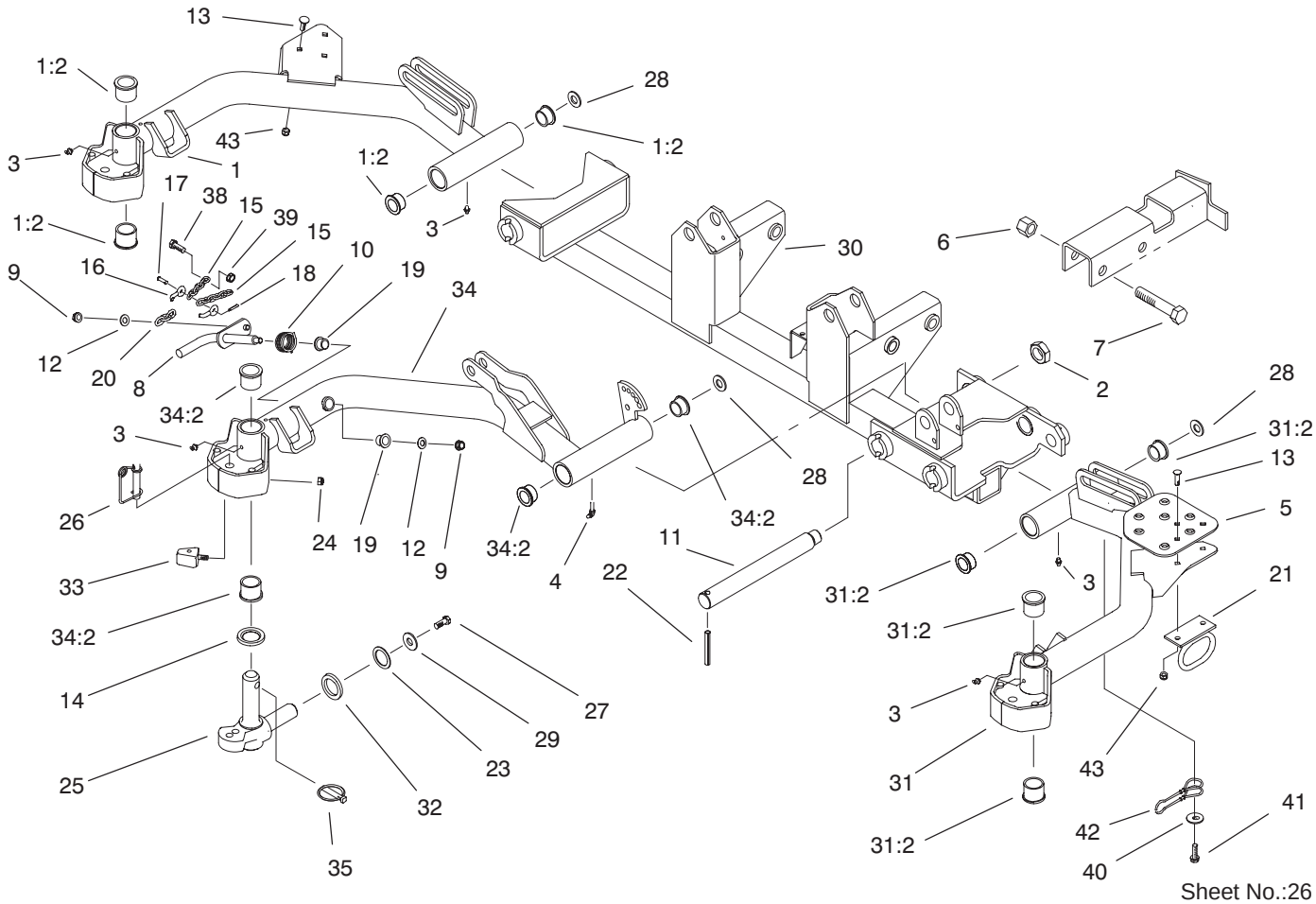
Hydraulic Cylinder Assembly No. 99–6987

Ref. No.	Part No.	Qty.	Description
☆1		1	Barrel
2	32152–10	1	Locknut
☆4		1	Piston
☆9		1	Head
☆11		1	Collar
☆12		1	Shaft W/Clevis
☆13		1	Fitting–Grease
14	100–8023	1	Kit–Repair, Seal
☆14:1		1	Psp Seal
☆14:2		1	O–Ring
☆14:3		1	O–Ring
☆14:4		1	Backup
☆14:5		1	Rod Seal
☆14:6		1	Dust Seal

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

☆ Not serviced separately



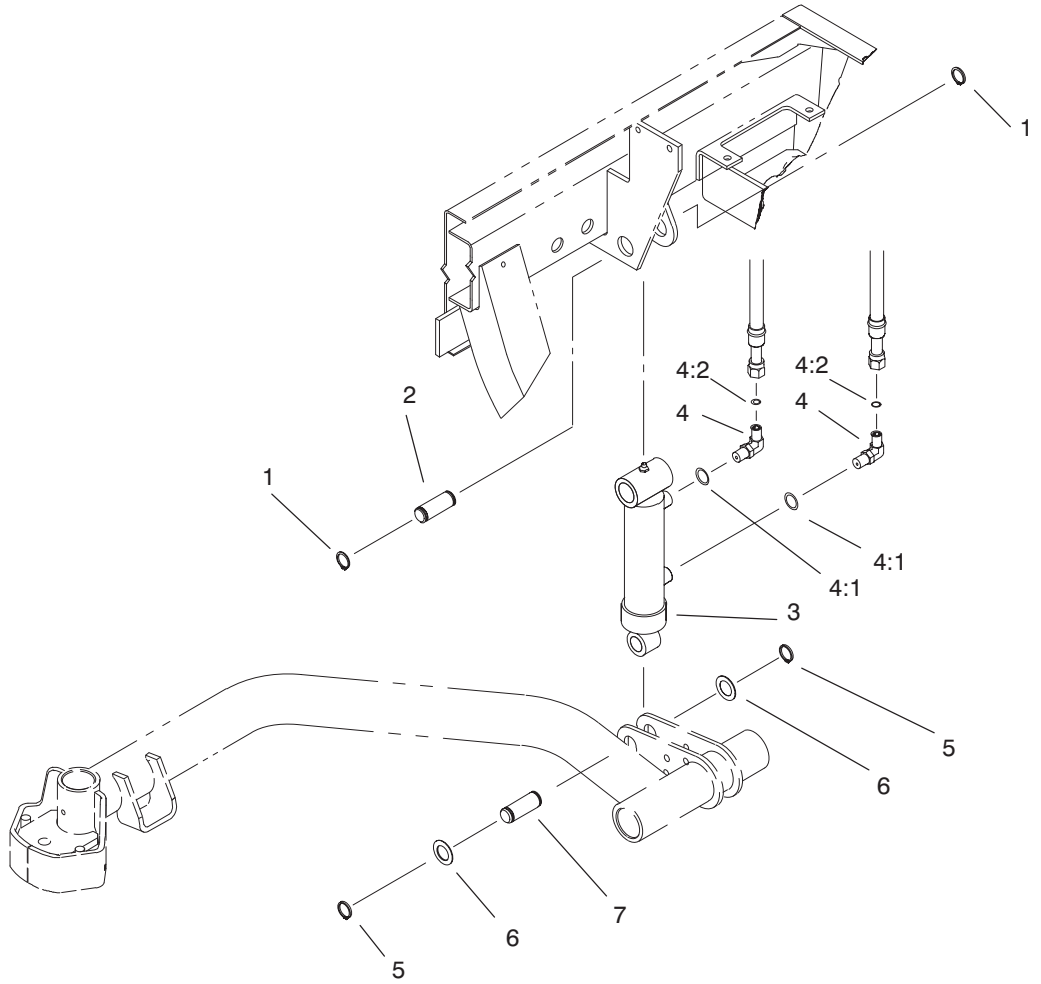
Sheet No.:26

Front Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	99–6905–03	1	Arm ASM #5
1:2	104–0015	2	Bushing–Flange
2	3296–49	3	Nut–Lock NI
3	302–5	5	Fitting–Grease
4	302–60	1	Fitting–Lube
5	104–1438–03	1	Step–Perforated
6	3296–51	4	Nut–Lock, NI
7	328–7	4	Screw–HH
8	99–6941–03	1	Pivot Rod ASM
9	3296–39	2	Nut–Lock, NI
10	98–3929	1	Spring–Torsion
11	95–7158	3	Pin–Pivot
12	3256–24	2	Washer–Flat
13	3230–1	5	Screw–CARR
14	94–8946	3	Adapter Assembly
15	5–1096	2	Chain–Lift
16	282–4	1	Shackle
17	283–6	1	Pin–Clevis
18	3272–10	1	Pin–Cotter
19	256–287	2	Bushing
20	104–1413	1	Chain–Straight Link
21	104–0028	2	Guide–Hose
22	32121–110	3	Pin–Roll, Slotted
23	3–6781	3	Washer–Thrust
24	3296–29	6	Nut–Lock, NI
25	98–1880–03	3	Knuckle–Pivot

Ref. No.	Part No.	Qty.	Description
26	99–5610	3	Pin
27	98–7993	3	Screw–HHF
28	76–2980	3	Washer–Thrust
29	3256–6	3	Washer–Flat
30	99–6913–03	1	Frame–Carrier
31	99–6904–03	1	Arm ASM #4
31:2	104–0015	2	Bushing–Flange
32	98–7974	3	Washer–Thrust
33	99–5605	6	Bumper ASM
34	99–6901–03	1	Arm ASM #1
34:2	104–0015	2	Bushing–Flange
35	283–71	3	Pin–Lynch
38	323–6	1	Screw–HH
39	32128–21	1	Nut–HF
40	3256–57	2	Washer–Flat
41	32144–26	2	Screw–Flow
42	98–3936	2	Lanyard
43	3296–47	5	Nut–Lock, NI

PROTOTYPE



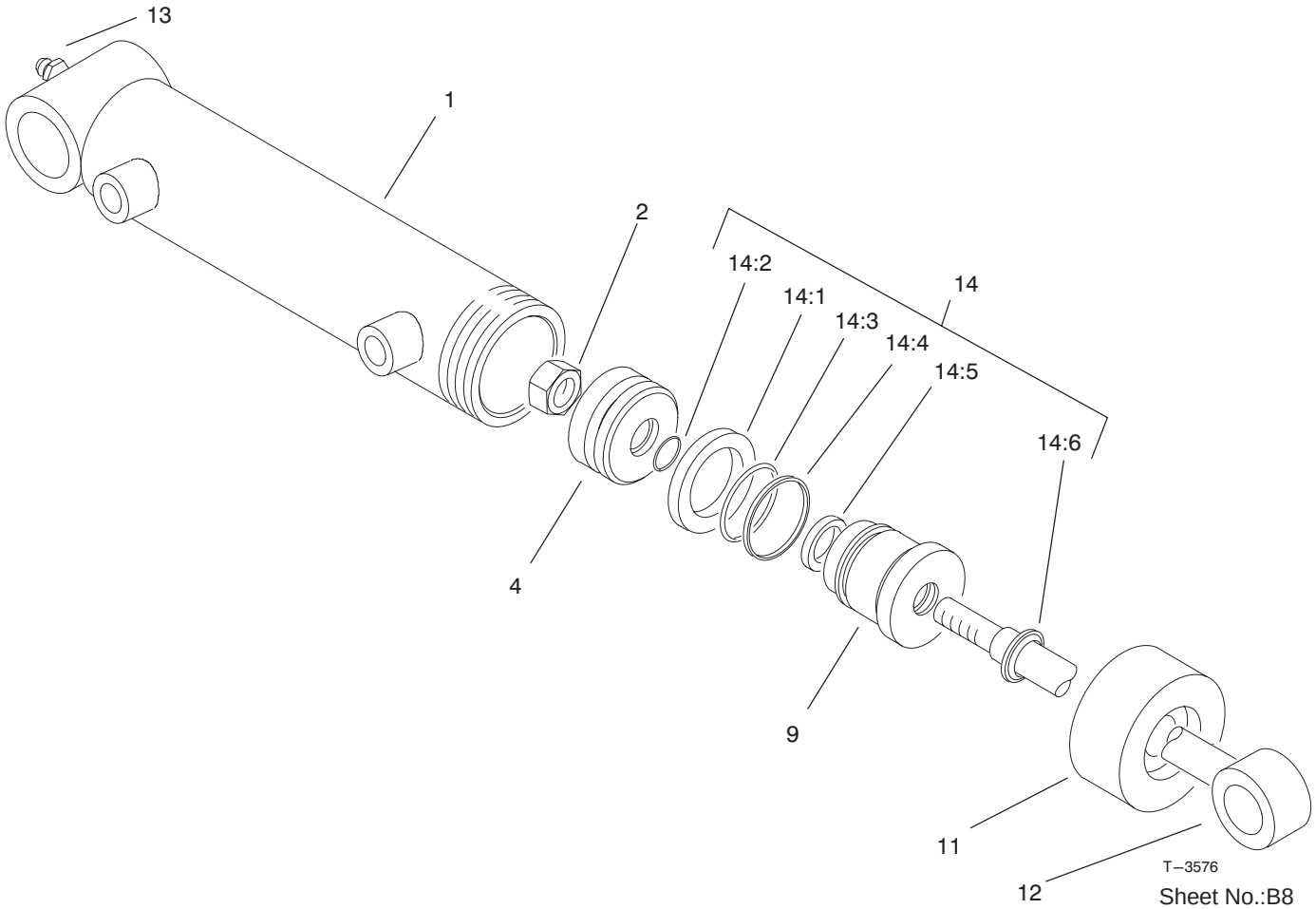
Sheet No.:27

Rear Lift Cylinder Assembly

Ref. No.	Part No.	Qty.	Description
1	32151–36	4	Ring–Retaining
2	75–5360	2	Pin–Cylinder
3	98–3945	2	Cylinder–Hydraulic
4	340–132	4	Fitting–Hyd, 90°
4:1	237–78	1	O–Ring
4:2	237–21	1	O–Ring
5	32120–93	4	Ring–Retaining
6	3–6498	4	Washer–Thrust
7	104–0046	2	Pin–Cylinder Slide

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:B8

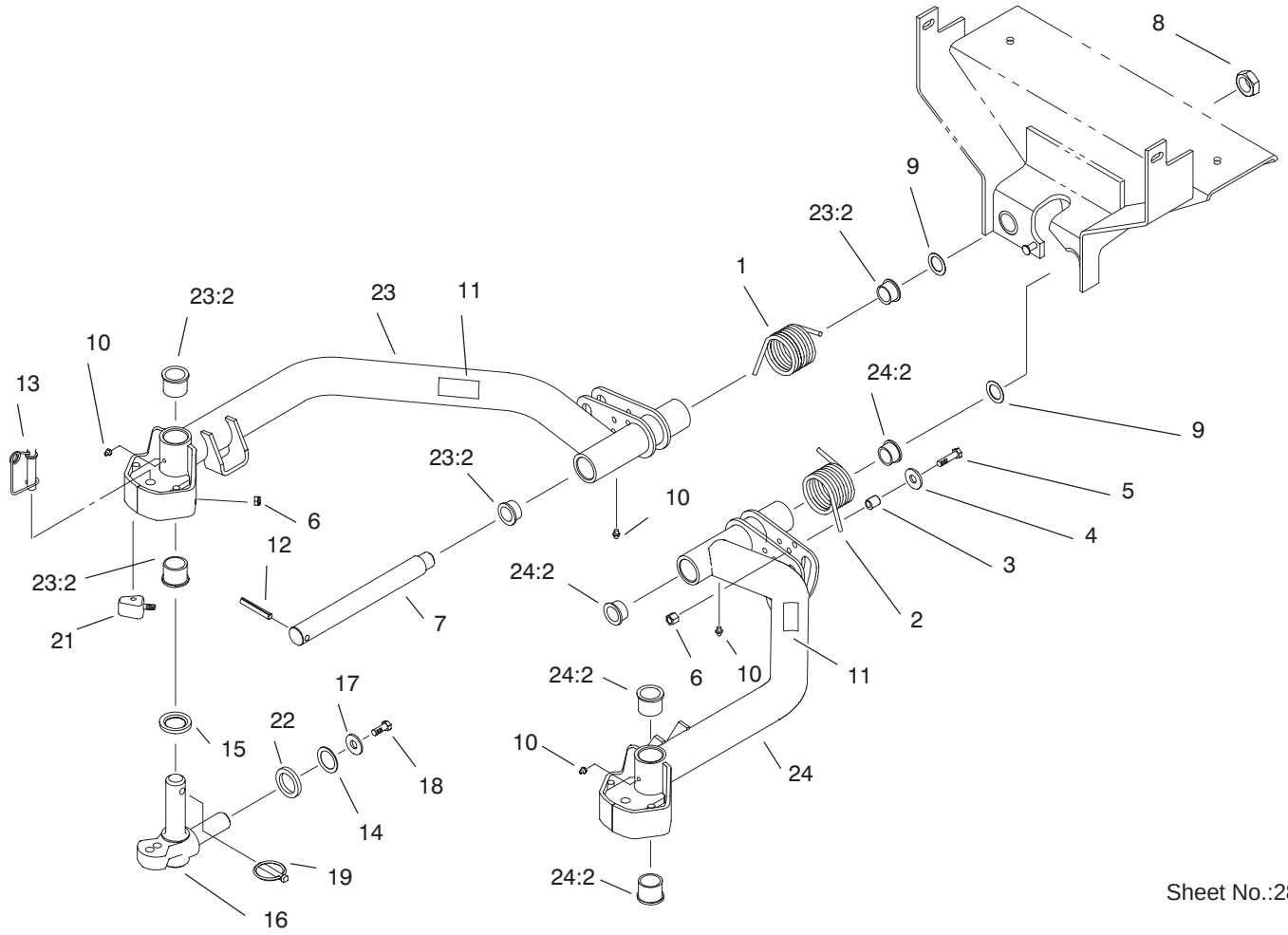
Hydraulic Cylinder Assembly No. 98–3945

Ref. No.	Part No.	Qty.	Description
☆1		1	Barrel
2	32152–10	1	Locknut
☆4		1	Piston
☆9		1	Head
☆11		1	Collar
☆12		1	Shaft W/Clevis
☆13		1	Fitting–Grease
14	100–8023	1	Kit–Repair, Seal
☆14:1		1	Psp Seal
☆14:2		1	O–Ring
☆14:3		1	O–Ring
☆14:4		1	Backup
☆14:5		1	Rod Seal
☆14:6		1	Dust Seal

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

☆ Not serviced separately



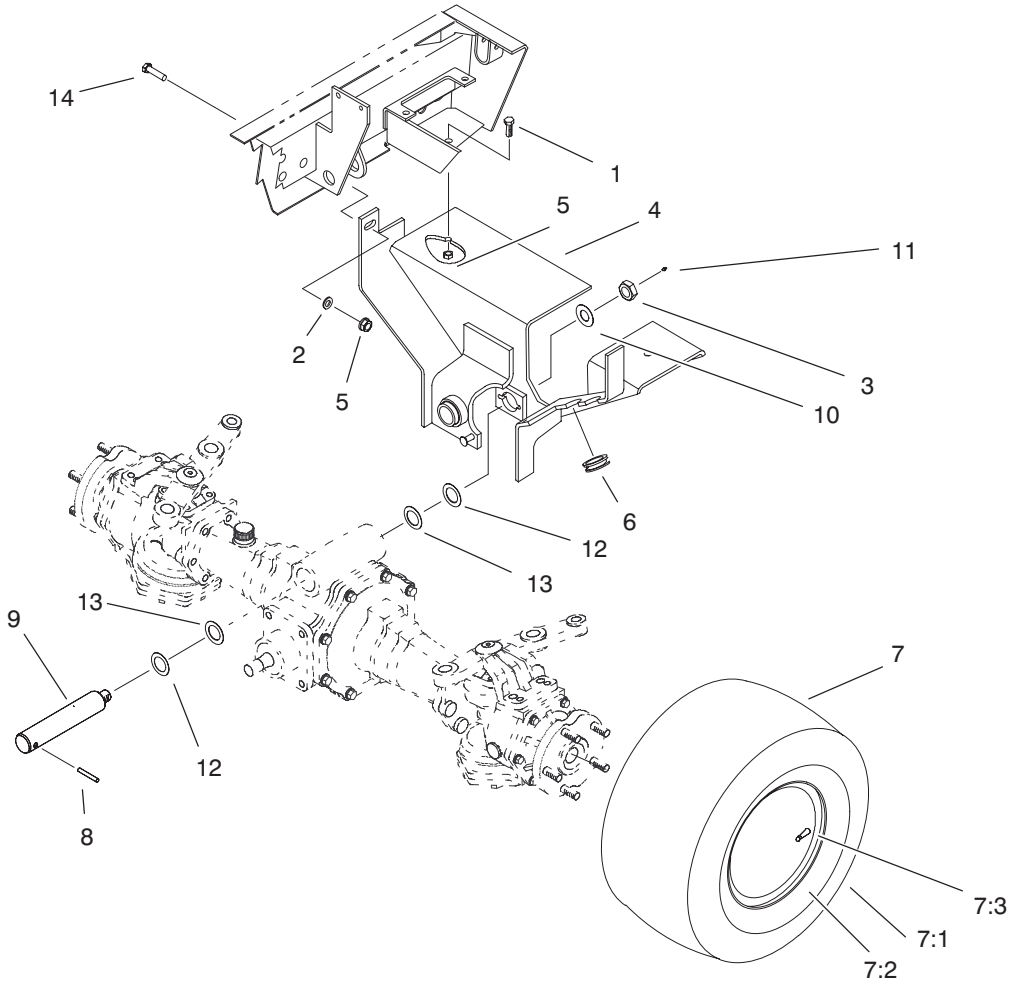
Sheet No.:28

Rear Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	99–5608–03	1	Spring–Torsion, RH
2	99–5609–03	1	Spring–Torsion, LH
3	82–6840	2	Spacer
4	3256–35	2	Washer–Flat
5	322–7	2	Screw–HH
6	3296–29	6	Nut–Lock, NI
7	95–7158	2	Pin–Pivot
8	3296–49	2	Nut–Lock NI
9	76–2980	2	Washer–Thrust
10	302–5	4	Fitting–Grease
11	93–6696	2	Decal–Spring, Loaded
12	32121–110	2	Pin–Roll, Slotted
13	99–5610	2	Pin
14	3–6781	2	Washer–Thrust
15	94–8946	2	Adapter Assembly
16	98–1880–03	2	Knuckle–Pivot
17	3256–6	2	Washer–Flat
18	98–7993	2	Screw–HHF
19	283–71	2	Pin–Lynch
21	99–5605	4	Bumper ASM
22	98–7974	2	Washer–Thrust
23	99–6903–03	1	Arm ASM #3
23:2	104–0015	2	Bushing–Flange
24	99–6902–03	1	Arm ASM #2
24:2	104–0015	2	Bushing–Flange

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:30

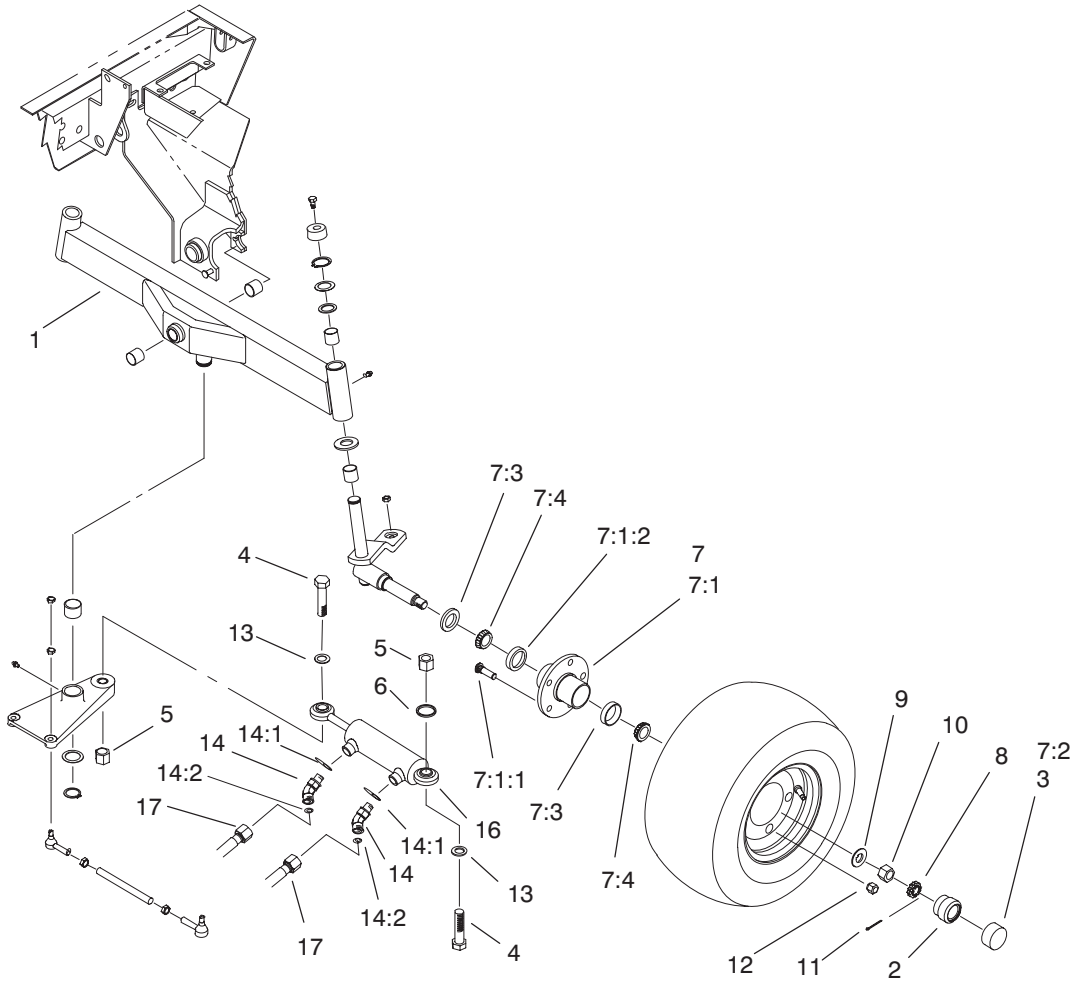
Rear Axle Support Assembly

Ref. No.	Part No.	Qty.	Description
1	323–7	2	Screw–HH
2	3256–24	2	Washer–Flat
3	32146–20	1	Nut–Jam
4	99–6940–03	1	Axle Support ASM
5	3296–39	4	Nut–Lock, NI
6	237–165	2	Grommet
☆7		2	Tire And Wheel ASM
7:1	86–5910	1	Tire
7:2	100–2582	1	Rim
7:3	232–27	1	Stem–Valve
8	32121–32	1	Pin–Roll
9	98–8173–03	1	Pin–Pivot, Axle
10	71–4540	1	Washer–Thrust
11	302–2	1	Fitting–Grease
12	99–8431	2	Washer–Thrust
13	99–8432	2	Washer–Thrust
14	323–13	2	Screw–HH

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

☆ Not serviced separately



Sheet No.:31

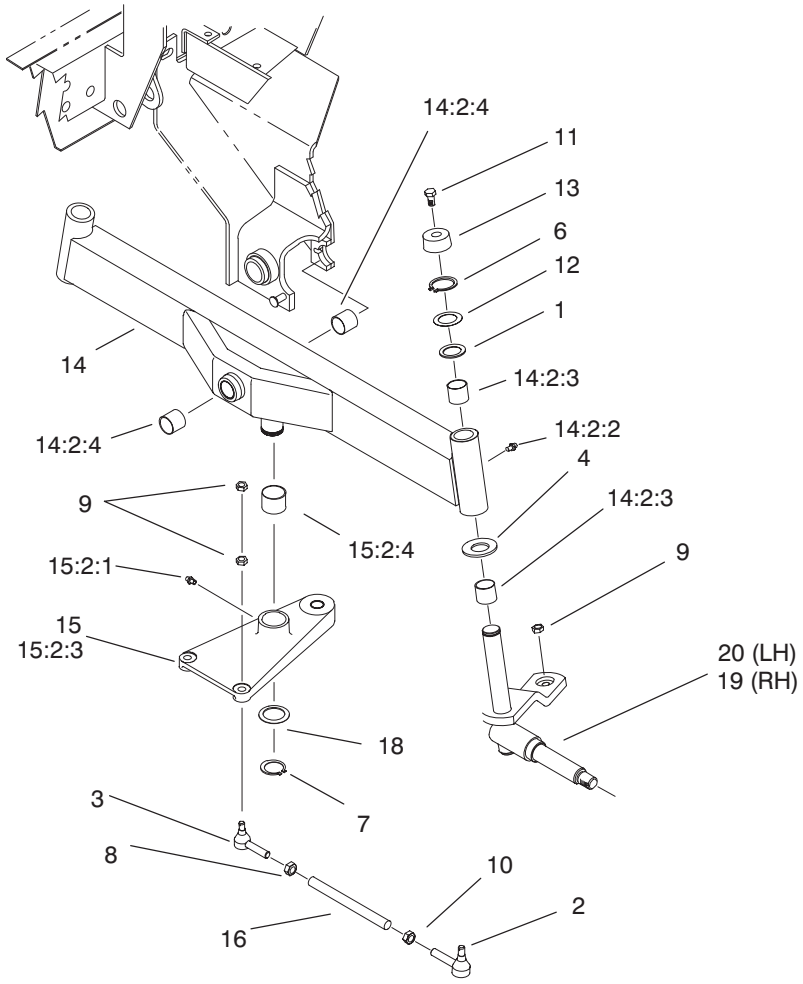
2 Wheel Drive Rear Axle Assembly (only on: 03550)

Ref. No.	Part No.	Qty.	Description
☆1		1	Rear Axle ASM
2	100–3769	2	Buddy–Bearing
3	100–3809	2	Cap–Protector, Bearing
4	328–25	2	Screw–HH
5	32153–6	2	Locknut
6	67–7250	1	Spacer–Ring
☆7		2	Hub ASM
7:1	21–2820	1	Hub ASM
7:1:1	10–6830	5	Stud–Type, Drive
7:1:2	254–72	2	Bearing–Cup, Tapered
7:2	241–119	1	Cap–Dust
7:3	253–129	1	Seal
7:4	254–94	2	Bearing–Cone, Taper
8	93–0307	2	Nut–Lock, Retainer
9	93–0309	4	Washer–Tab
10	3220–7	2	Nut–Jam
11	3272–13	2	Pin–Cotter
12	242–50	10	Nut–Lug
13	67–9410	2	Washer
14	340–103	2	Fitting–Hyd, 45°
14:1	237–78	1	O–Ring
14:2	237–21	1	O–Ring
16	75–1200	1	Cylinder–Hyd, Steering
17	104–1494	2	Hyd Hose ASM

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

☆ Not serviced separately



Sheet No.:B9

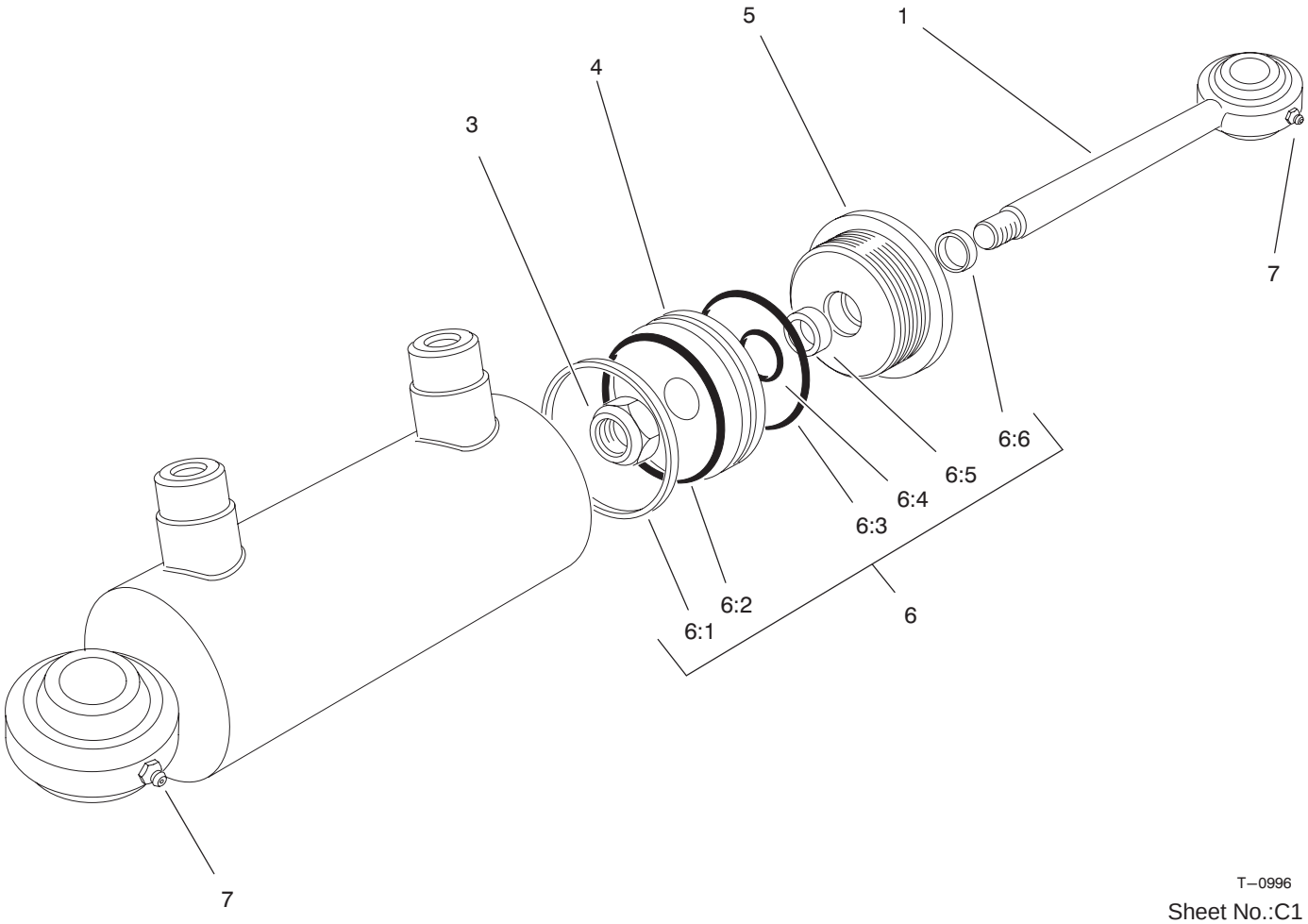
2 Wheel Drive Rear and Spindle Axle Assembly (only on: 03550)

Ref. No.	Part No.	Qty.	Description
1	10–8110	2	Washer–Thrust
2	21–0141	2	RH Ball Joint ASM
3	21–0151	2	LH Ball Joint ASM
4	256–121	2	Washer–Thrust
6	32151–36	2	Ring–Retaining
7	32151–77	1	Ring–Retaining, Ext
8	3220–12	2	Nut–HJ, LH Thread
9	3220–3	8	Nut–Jam
10	3220–5	2	Nut–Jam
11	3234–13	2	Screw–HHF
12	5–1226	2	Washer
13	66–2990	2	Cap–Spindle
14	99–6935–03	1	Axle–Rear
☆14:2		1	Axle–Rear
14:2:2	302–5	2	Fitting–Grease
14:2:3	67–1750	4	Bushing
14:2:4	99–6964	2	Bushing–Axle
15	75–4410–03	1	Pivot Plate ASM
☆15:2		1	Pivot Plate ASM
15:2:1	302–5	1	Fitting–Grease
15:2:3	75–2910	1	Plate–Pivot
15:2:4	76–2970	2	Bushing–Straight
16	75–3130–03	2	Rod–Tie
18	76–2980	1	Washer–Thrust

Ref. No.	Part No.	Qty.	Description
19	93–7000–03	1	Spindle–RH
20	93–7001–03	1	Splindle–LH

PROTOTYPE

☆ Not serviced separately



T–0996

Sheet No.:C1

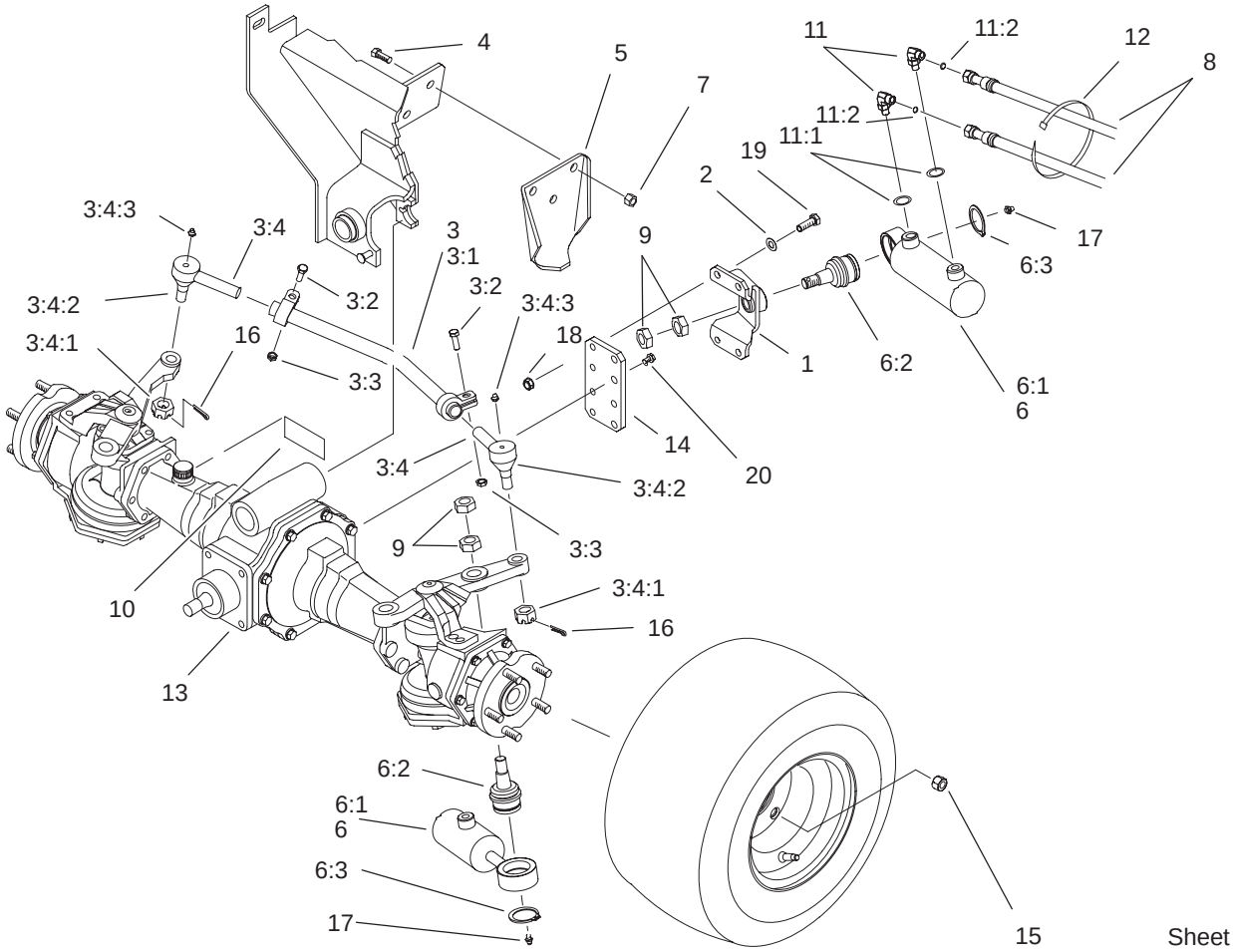
Hydraulic Cylinder Assembly No. 75–1200 (only on: 03550)

Ref. No.	Part No.	Qty.	Description
1	75–1230	1	Rod–Piston
3	75–1210	1	Nut
4	75–1220	1	Piston
5	75–1260	1	Head
6	75–1250	1	Seal Kit
☆6:1		1	Ring–Servon
☆6:2		1	O–Ring
☆6:3		1	O–Ring
☆6:4		1	O–Ring
☆6:5		1	U–Cup
☆6:6		1	Wiper
7	302–5	2	Fitting–Grease

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

☆ Not serviced separately



Sheet No.:32

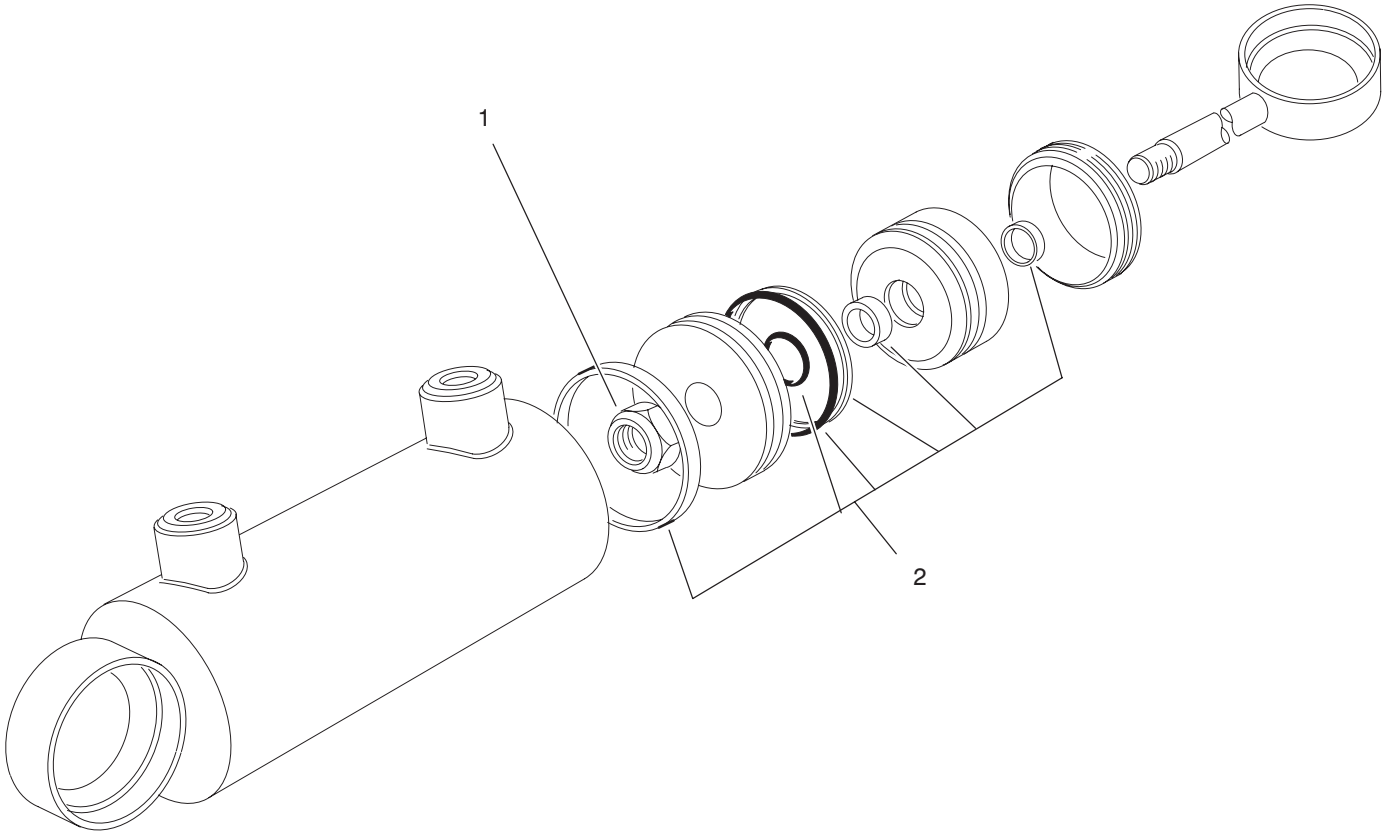
4 Wheel Drive Rear Axle Assembly (only on: 03551)

Ref. No.	Part No.	Qty.	Description
1	98–3948–03	1	Mount–Cylinder
2	48–9220	4	Washer
3	98–3932	1	Tie Rod ASM
3:1	99–8996	1	Tube And Clamp ASM
3:2	323–9	2	Screw–HH
3:3	3296–39	2	Nut–Lock, NI
3:4	71–4740	2	End–Rod, Tie
3:4:1	105–7941	1	Nut–Hex, Slotted
3:4:2	71–4760	1	Seal
3:4:3	302–55	1	Zerk
4	325–5	6	Screw–HH
5	99–6966–03	2	Stop–Axle
☆6		1	Steering Cylinder ASM
6:1	98–8163	1	Cylinder–Steering
6:2	92–5838	2	Joint–Ball
6:3	32151–104	2	Ring–Retaining, Ext
7	3296–23	6	Nut–Lock, NI
8	104–1494	2	Hyd Hose ASM
9	3220–6	4	Nut–Jam
10	93–6697	1	Decal–Lube
11	340–132	2	Fitting–Hyd, 90°
11:1	237–78	1	O–Ring
11:2	237–21	1	O–Ring
12	3290–378	1	Tie–Cable
13	98–3925	1	Drive Axle ASM
14	98–8198–03	1	Plate–Cylinder Bracket

Ref. No.	Part No.	Qty.	Description
15	93–5268	10	Nut–Lug
16	3272–11	2	Pin–Cotter
17	302–5	2	Fitting–Grease
18	3296–39	4	Nut–Lock, NI
19	323–8	4	Screw–HH
20	95–8812	4	Screw–HH

PROTOTYPE

☆ Not serviced separately



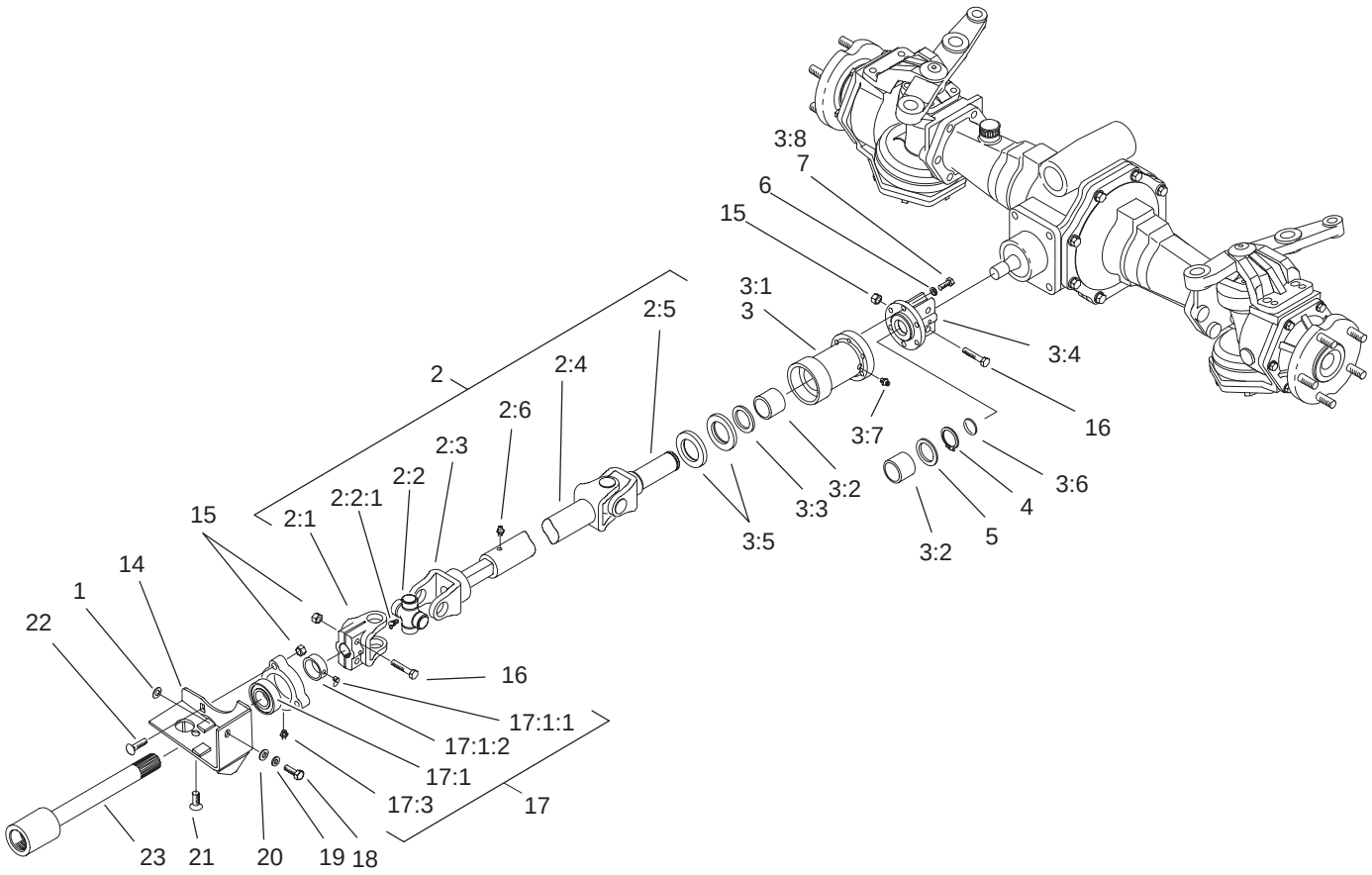
T–3513
Sheet No.:C2

Hydraulic Cylinder Assembly No. 98–8163 (only on: 03551)

Ref. No.	Part No.	Qty.	Description
1	32152–10	1	Locknut
2	100–8022	1	Seal Repair Kit

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:33

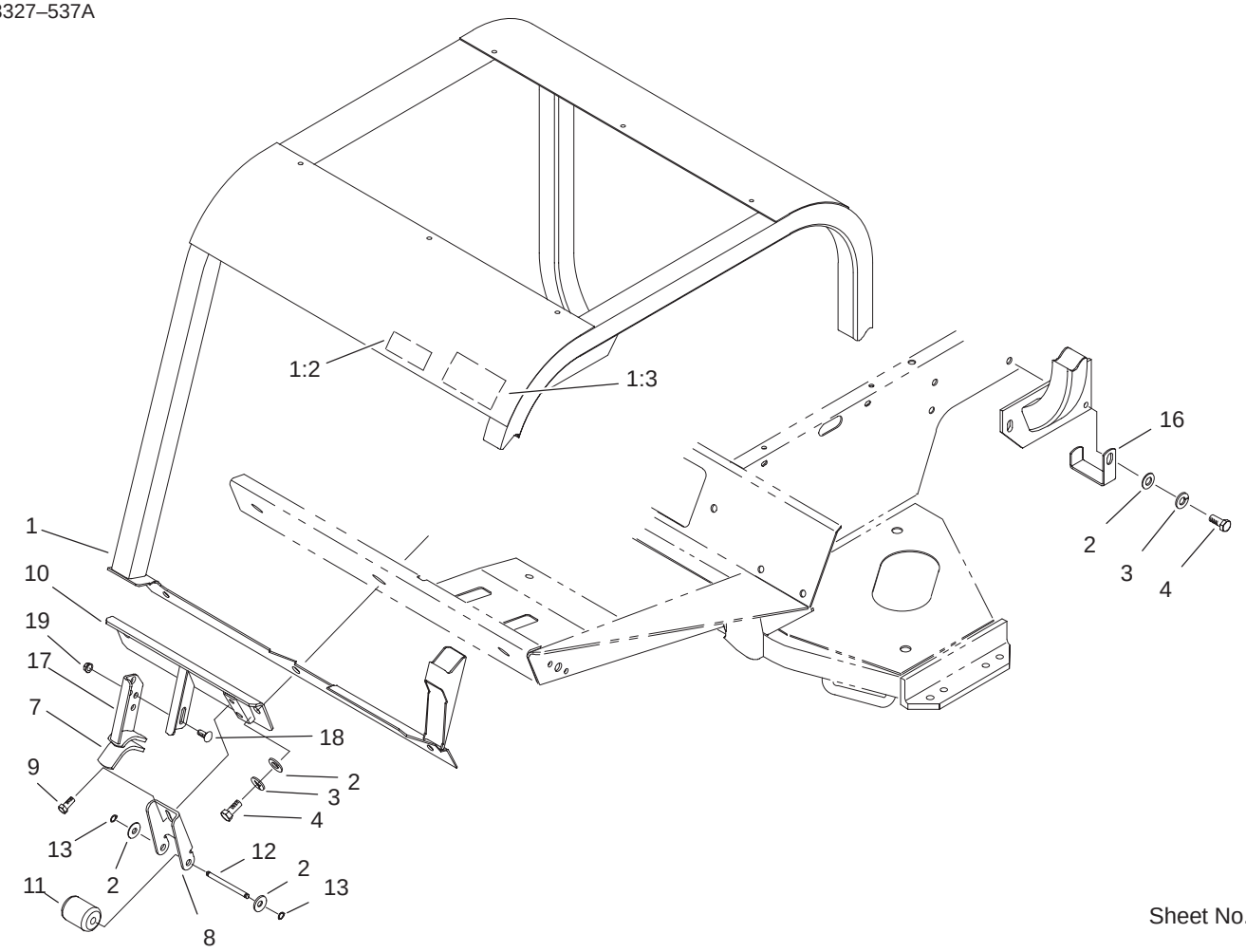
4 Wheel Drive Shaft Assembly (only on: 03551)

Ref. No.	Part No.	Qty.	Description
1	83–7470	2	Shim
2	99–6976	1	Driveshaft
2:1	54–9090	1	Yoke–End
2:2	54–9180	2	U–Joint Kit
2:2:1	62–3820	1	Fitting–Grease
2:3	104–1693	1	Yoke And Shaft
2:4	83–5260	1	Tube–Yoke, Slip
2:5	72–3440	1	Yoke–Shaft
2:6	302–56	1	Fitting–Zerk
☆3		1	Clutch Housing ASM
3:1	71–4570–03	1	Housing–Clutch, Roller
3:2	71–4580	2	Bearing
3:3	71–4590	1	Washer–Thrust
3:4	76–4690–03	1	Coupling–Axle
3:5	253–155	2	Seal–Oil
3:6	284–3	1	Plug
3:7	302–5	1	Fitting–Grease
3:8	3274–8	1	Screw–HSH
4	32151–87	1	Ring–Retaining
5	71–4590	2	Washer–Thrust
6	3253–3	6	Washer–Lock
7	3274–8	6	Screw–HSH
14	83–4970–03	1	Bracket–Bearing
15	3296–29	7	Nut–Lock, NI
16	322–8	4	Screw–HH
17	76–2460	1	Bearing ASM

Ref. No.	Part No.	Qty.	Description
17:1	94–3405	1	Bearing–Ball
17:1:1	3245–35	1	Screw–HS
17:1:2	251–77	1	Lockcollar–Bearing
17:3	302–5	1	Fitting–Grease
18	48–9460	1	Screw–HH
19	42–9850	1	Washer–Lock, Spring
20	48–8030	1	Washer
21	3274–34	1	Screw–HSFH
22	3230–3	3	Screw–CARR
23	83–4900–03	1	Shaft–Traction

PROTOTYPE

☆ Not serviced separately



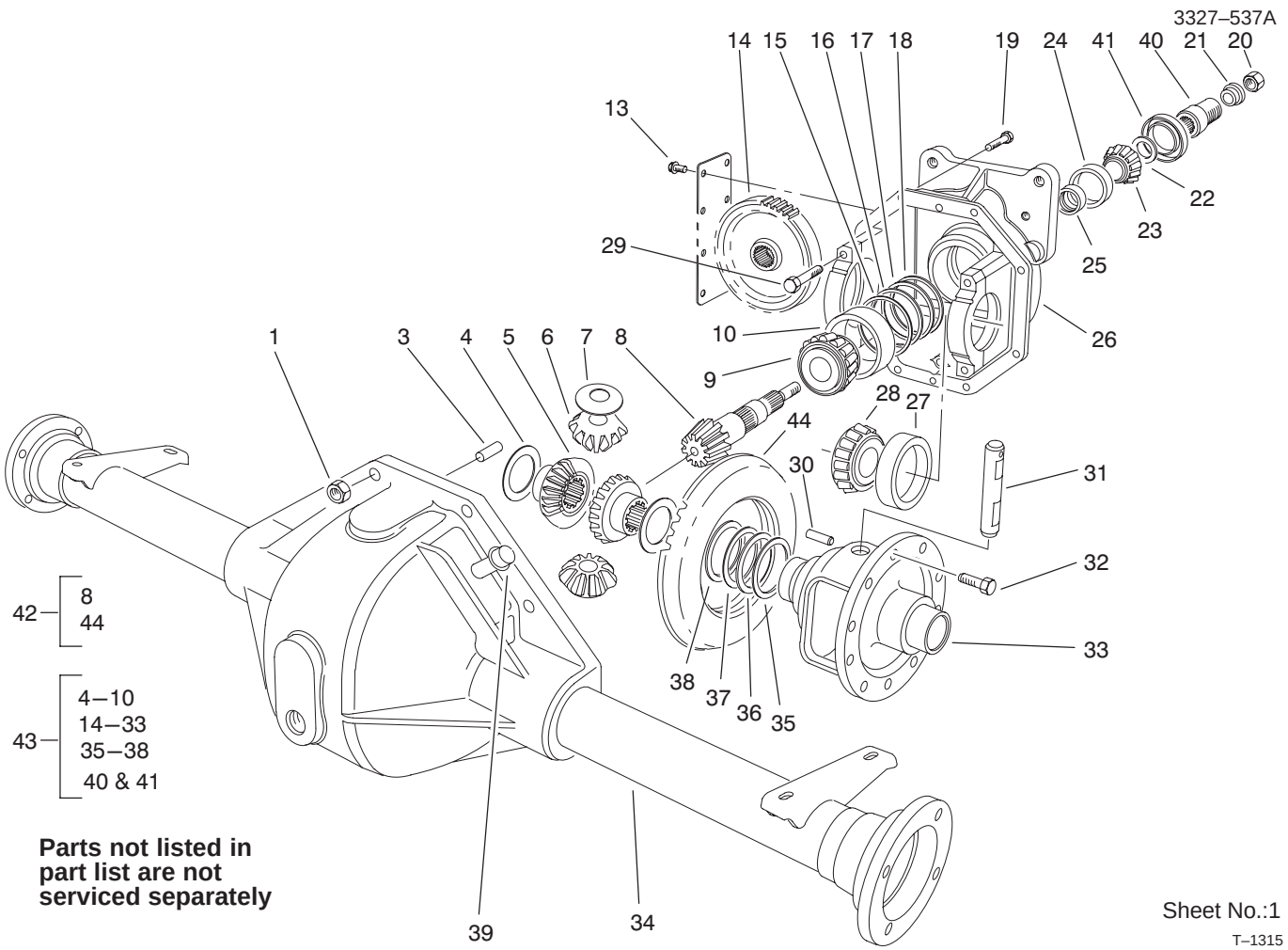
Sheet No.:35

Roll–Over–Protection–System and Stabilizer Assembly

Ref. No.	Part No.	Qty.	Description
1	104–1248	1	Rops ASM (only on: 03551)
1:2	85–9980	1	Decal (only on: 03551)
1:3	93–8050	1	Decal–Roof, Rops (only on: 03551)
2	3256–26	11	Washer–Flat (only on: 03551)
2	3256–26	6	Washer–Flat (only on: 03550)
3	3253–7	9	Washer–Lock (only on: 03551)
3	3253–7	4	Washer–Lock (only on: 03550)
4	325–5	4	Screw–HH (only on: 03550)
4	325–5	9	Screw–HH (only on: 03551)
7	104–1411	1	Guard–Stabilizer
8	99–6938–03	1	Bracket–Tipper
9	3234–1	2	Screw–HHF
10	98–3900–03	1	Stabilizer ASM
11	75–5390	1	Roller
12	75–5400	1	Pin–Roller
13	32151–61	2	Ring–Retaining
16	98–3928	2	Clamp–Hose

Ref. No.	Part No.	Qty.	Description
17	104–1471–03	1	Saddle ASM
18	3231–2	2	Screw–CARR
19	3296–39	2	Nut–Lock, NI

PROTOTYPE



Sheet No.:1

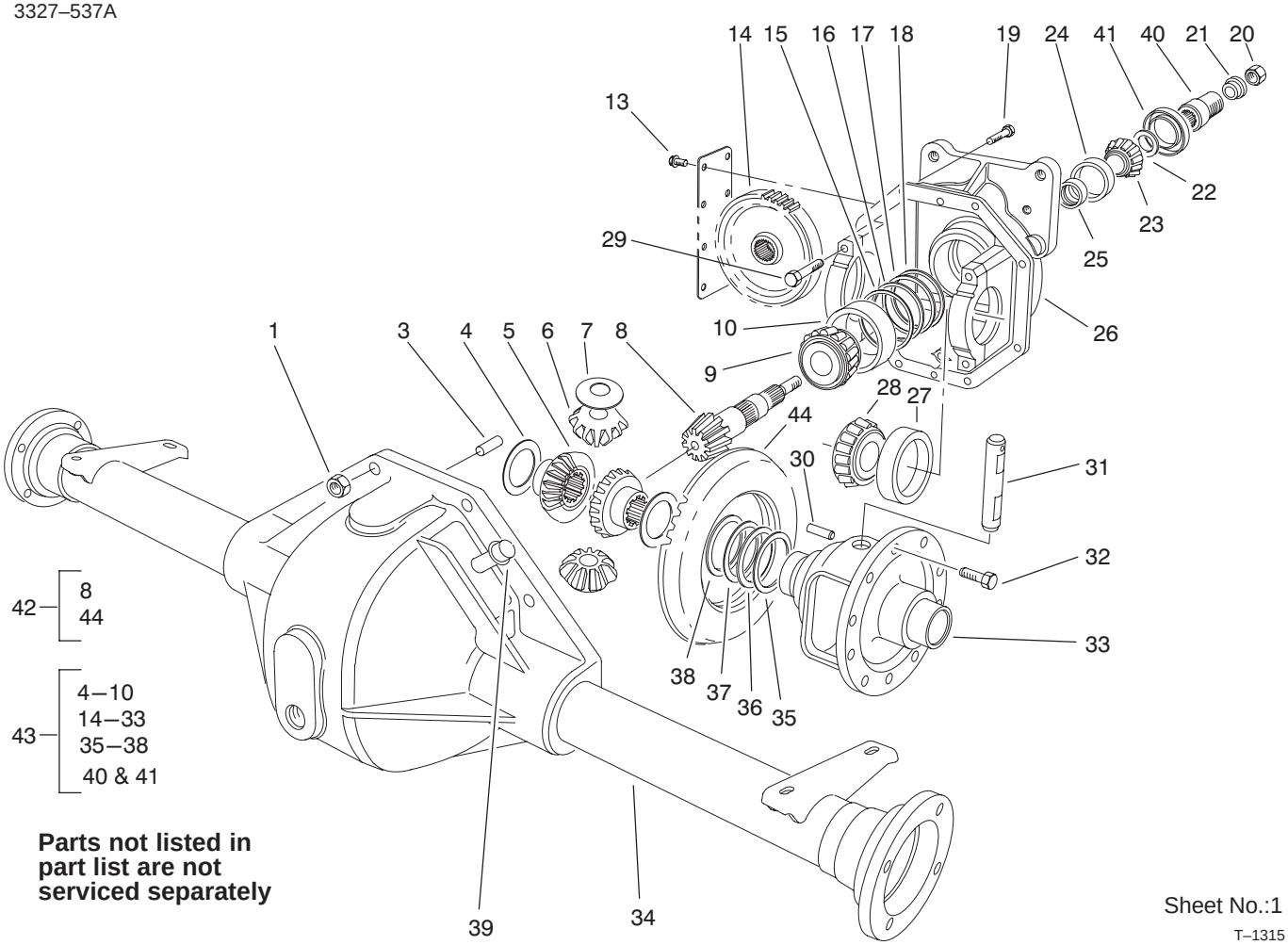
T–1315

Axle Assembly No. 99–6981–03

Ref. No.	Part No.	Qty.	Description
1	32149–5	8	Nut
3	21–8270	2	Pin–Dowel
4	21–7720	2	Washer–Thrust
5	24–8790	2	Gear–Differential
6	21–7690	2	Pinion–Differential
7	21–7730	2	Washer–Thrust, Pinion
9	43–6760	1	Bearing–Roller, Cone Taper
10	43–6750	1	Bearing–Taper, Cup
13	32144–112	8	Screw–HWHTF
14	86–7230	1	Gear–Input, Transmission
15	43–6710	1	Shim
16	43–6711	1	Shim
17	43–6712	1	Shim
18	43–6713	1	Shim
19	3210–8	8	Screw–HH
20	71–4350	1	Nut
21	83–5130	1	Spacer–Pinion
22	72–3570	1	Shim–Bearing, Front
22	72–3571	1	Shim–Bearing, Front
22	72–3572	1	Shim–Bearing, Front
22	72–3573	1	Shim–Bearing, Front
22	72–3574	1	Shim–Bearing, Front
22	72–3575	1	Shim–Bearing, Front
22	72–3576	1	Shim–Bearing, Front

Ref. No.	Part No.	Qty.	Description
22	72–3577	1	Shim–Bearing, Front
22	72–3578	1	Shim–Bearing, Front
22	72–3580	1	Shim–Bearing, Front
22	72–3581	1	Shim–Bearing, Front
22	72–3582	1	Shim–Bearing, Front
22	72–3583	1	Shim–Bearing, Front
22	72–3584	1	Shim–Bearing, Front
22	72–3585	1	Shim–Bearing, Front
22	72–3586	1	Shim–Bearing, Front
22	72–3587	1	Shim–Bearing, Front
22	72–3588	1	Shim–Bearing, Front
22	72–3590	1	Shim–Bearing, Front
22	72–3591	1	Shim–Bearing, Front
22	72–3592	1	Shim–Bearing, Front
22	72–3593	1	Shim–Bearing, Front
22	72–3594	1	Shim–Bearing, Front
22	72–3595	1	Shim–Bearing, Front
22	72–3596	1	Shim–Bearing, Front
22	72–3597	1	Shim–Bearing, Front
22	72–3598	1	Shim–Bearing, Front
22	72–3600	1	Shim–Bearing, Front
23	254–91	1	Cone–Bearing
24	21–8390	1	Cup–Bearing
25	21–8020	1	Spacer–Bearing
26	93–3619	1	Upper Housing ASM
27	254–66	2	Cup–Bearing, Roller

PROTOTYPE



Sheet No.:1

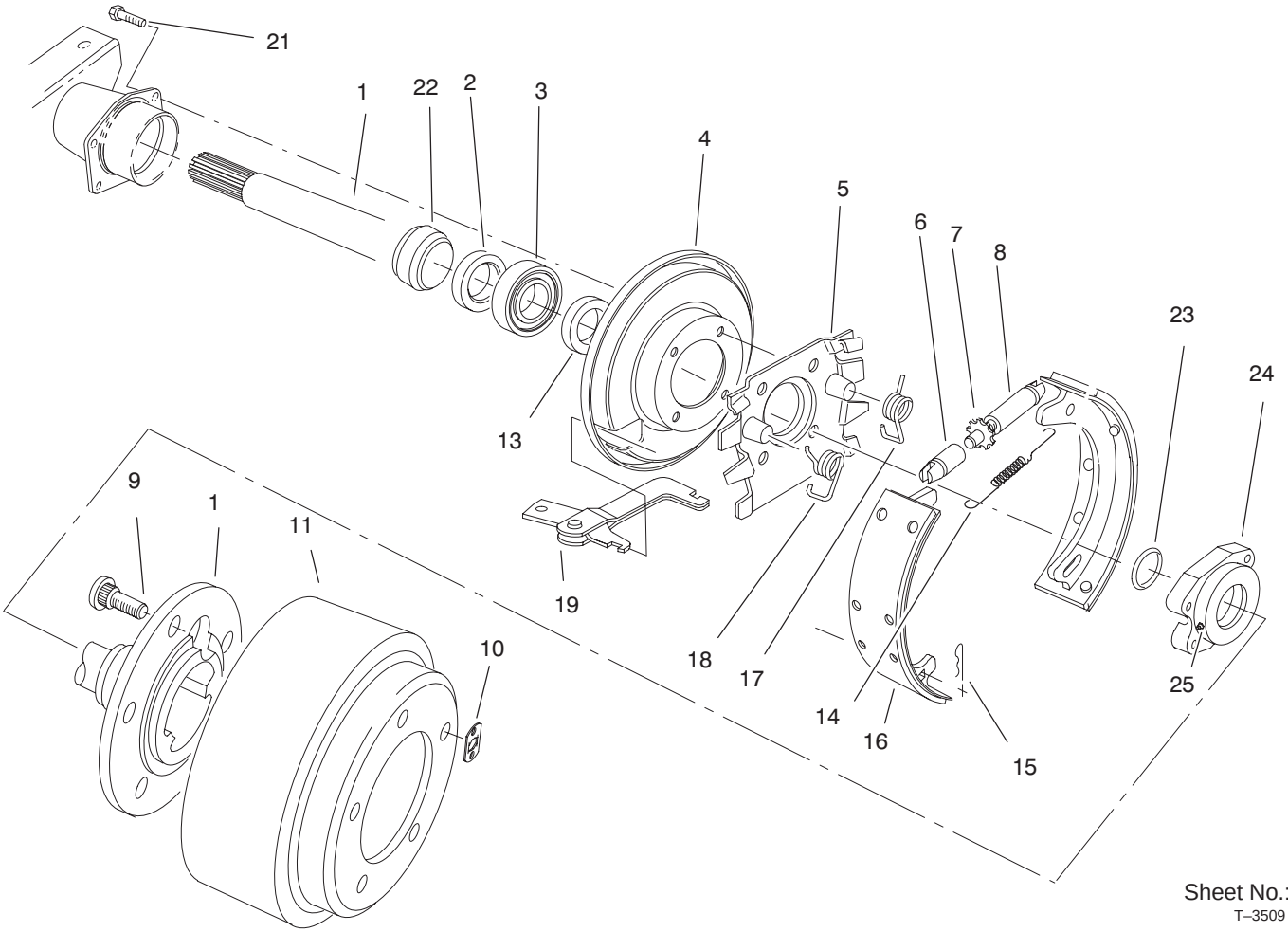
T–1315

Axle Assembly No. 99–6981–03 (Continued)

Ref. No.	Part No.	Qty.	Description
28	254–65	2	Cone–Bearing, Roller
29	92–1773	4	Screw–HHF
30	21–7710	1	Pin–Roll
31	21–7700	1	Shaft–Pinion Mate
32	21–7770	5	Screw–Gear, Drive
33	21–7670	1	Case–Differential
34	75–0721	1	Housing ASM
35	21–8120	1	Shim–Bearing, Diff. (.030)
36	21–8110	1	Shim–Bearing, Diff. (.010)
37	21–8100	1	Shim–Bearing, Diff. (.005)
38	21–8090	1	Shim–Bearing, Diff. (.003)
39	72–9420	1	Vent
40	83–4910	1	Coupler–Pinion
41	71–4330	1	Seal
42	93–3618	1	Gear And Pinion ASM
43	93–3617	1	Cover And Carrier Kit

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:2
T–3509

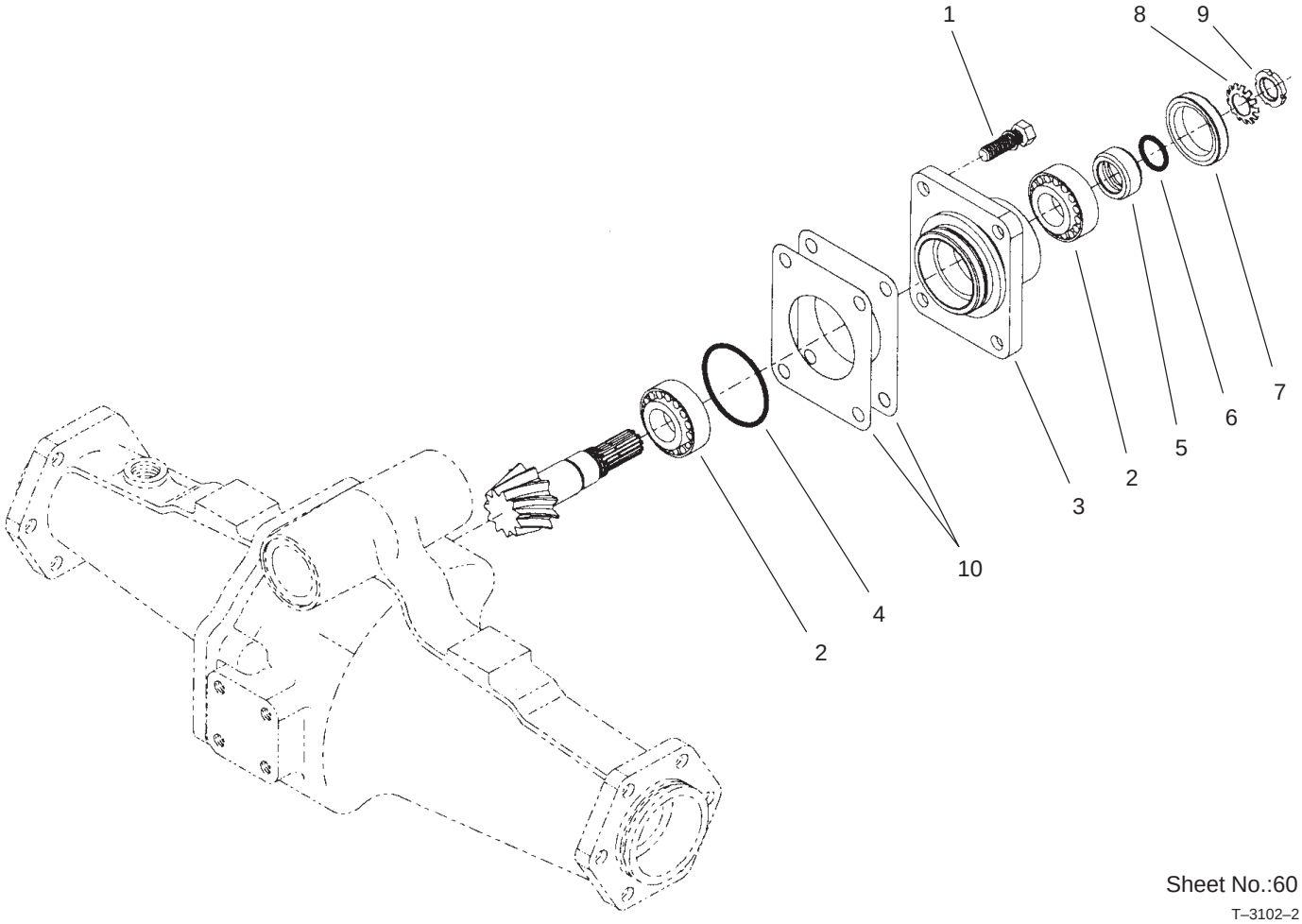
Brake Assembly

Ref. No.	Part No.	Qty.	Description
1	100–3840	1	Shaft–Axle, LH
1	100–3841	1	Shaft–Axle, RH
2	100–3842	2	Seal–Oil
3	21–8180	2	Bearing ASM
4	100–3843	2	Shield–Dust
5	100–3844	2	Spider–Torque
6	21–9390	2	Socket–Adjusting, Screw
7	21–9370	2	Screw–Adjusting
8	21–9380	2	Nut–Pivot
9	242–34	10	Stud–Drive
10	21–8360	2	Locknut
11	28–0680	2	Drum–Brake
13	100–3845	2	Seal–Grease
14	21–9440	2	Spring–Adjusting Screw
15	21–9460	4	Retainer–Lever, Brake
16	84–8590	4	Shoe And Lining ASM
17	21–9420	2	Spring–Return, Shoe
18	21–9430	2	Spring–Shoe Return, RH
19	24–9180	2	Strut And Lever ASM
21	100–3846	8	Screw–Special
22	100–3847	2	Retainer–Bearing
23	100–3848	2	O–Ring
24	100–3849	2	Cap–Bearing

Ref. No.	Part No.	Qty.	Description
25	100–3850	2	Zerk–Special
*26	84–8600	1	Packing–Shoes Lined
*27	92–8775	1	Kit–Liquid Gasket

PROTOTYPE

* Not illustrated



Sheet No.:60

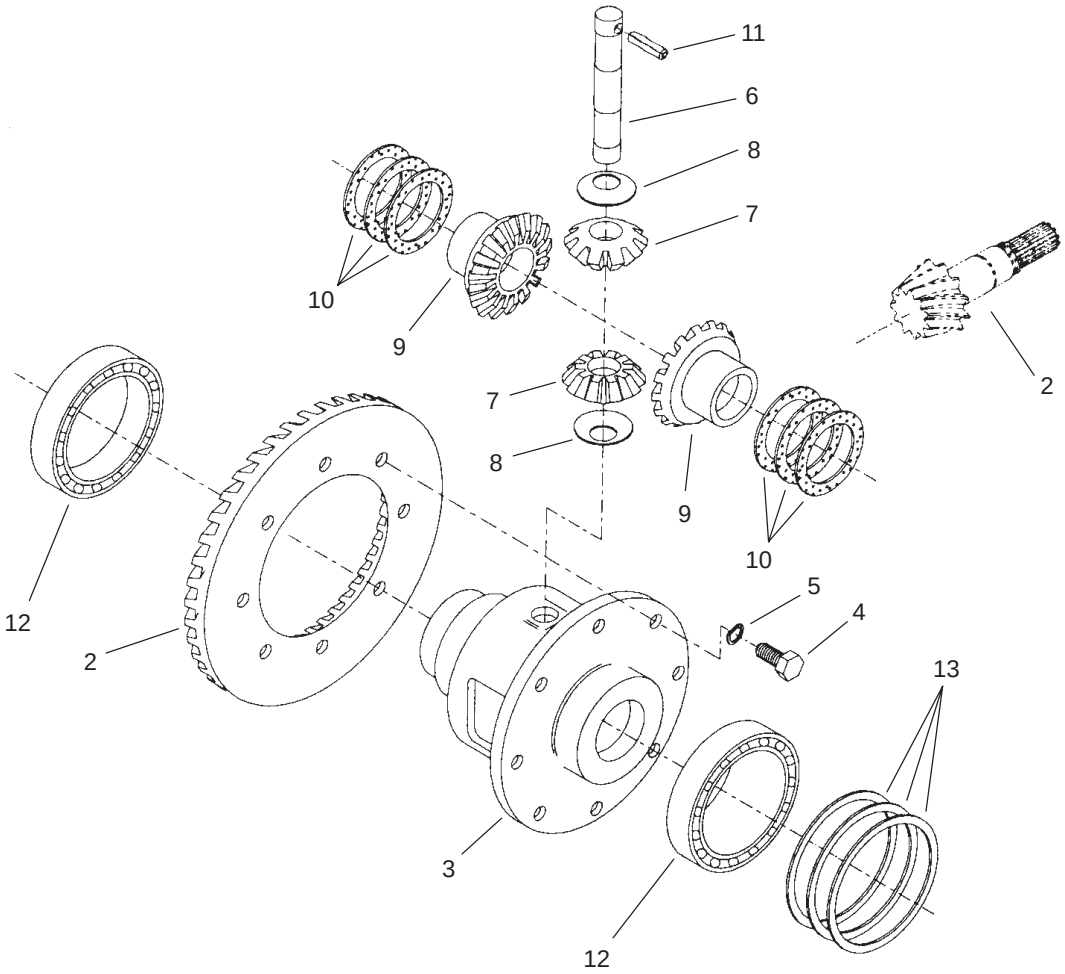
T–3102–2

Rear Axle Assembly No. 98–3925
Bevel Pinion Shaft Assembly

Ref. No.	Part No.	Qty.	Description
1	99–7575	4	Bolt
2	99–7570	2	Bearing–Taper Roller
3	95–7535	1	Case–Bearing
4	99–7571	1	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

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:61
T–3103–2

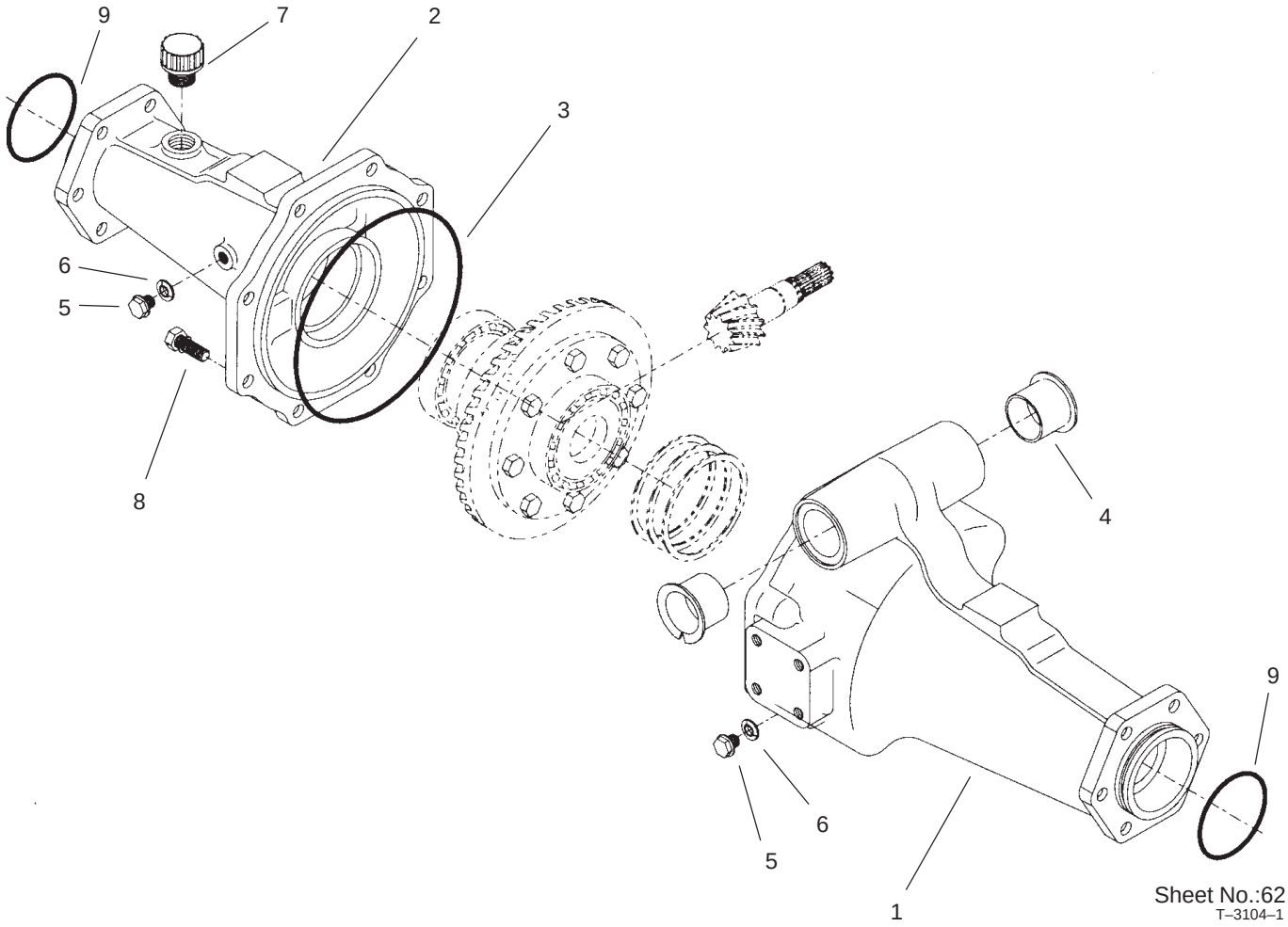
Rear Axle Assembly No. 98–3925 (Continued)
Differential Assembly No. 95–7503

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–Differential
7	99–7579	2	Pinion–Differential
8	99–7580	2	Washer–Differential
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

PROTOTYPE

* Not illustrated

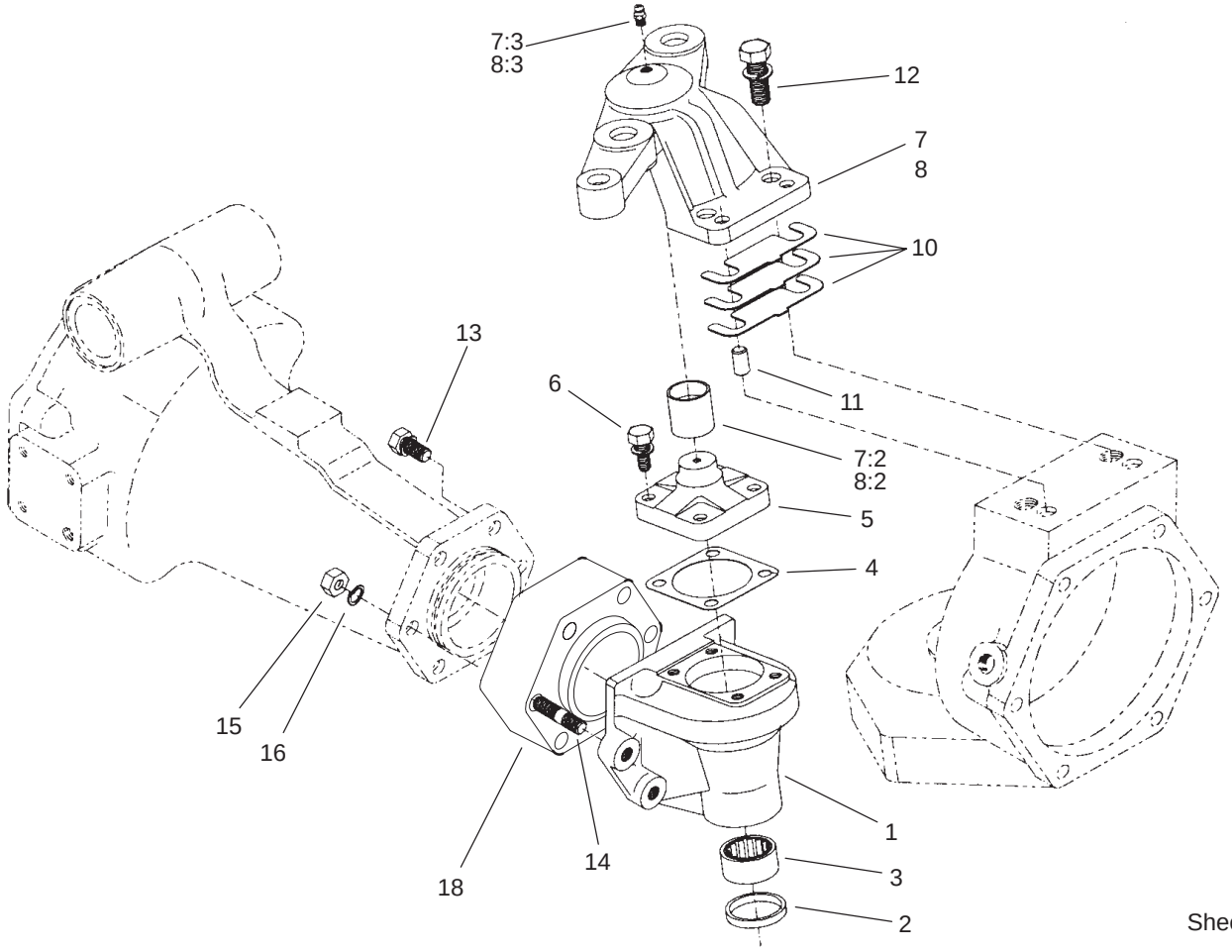


Rear Axle Assembly No. 98–3925 (Continued)
Axle Support Assembly

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

PROTOTYPE



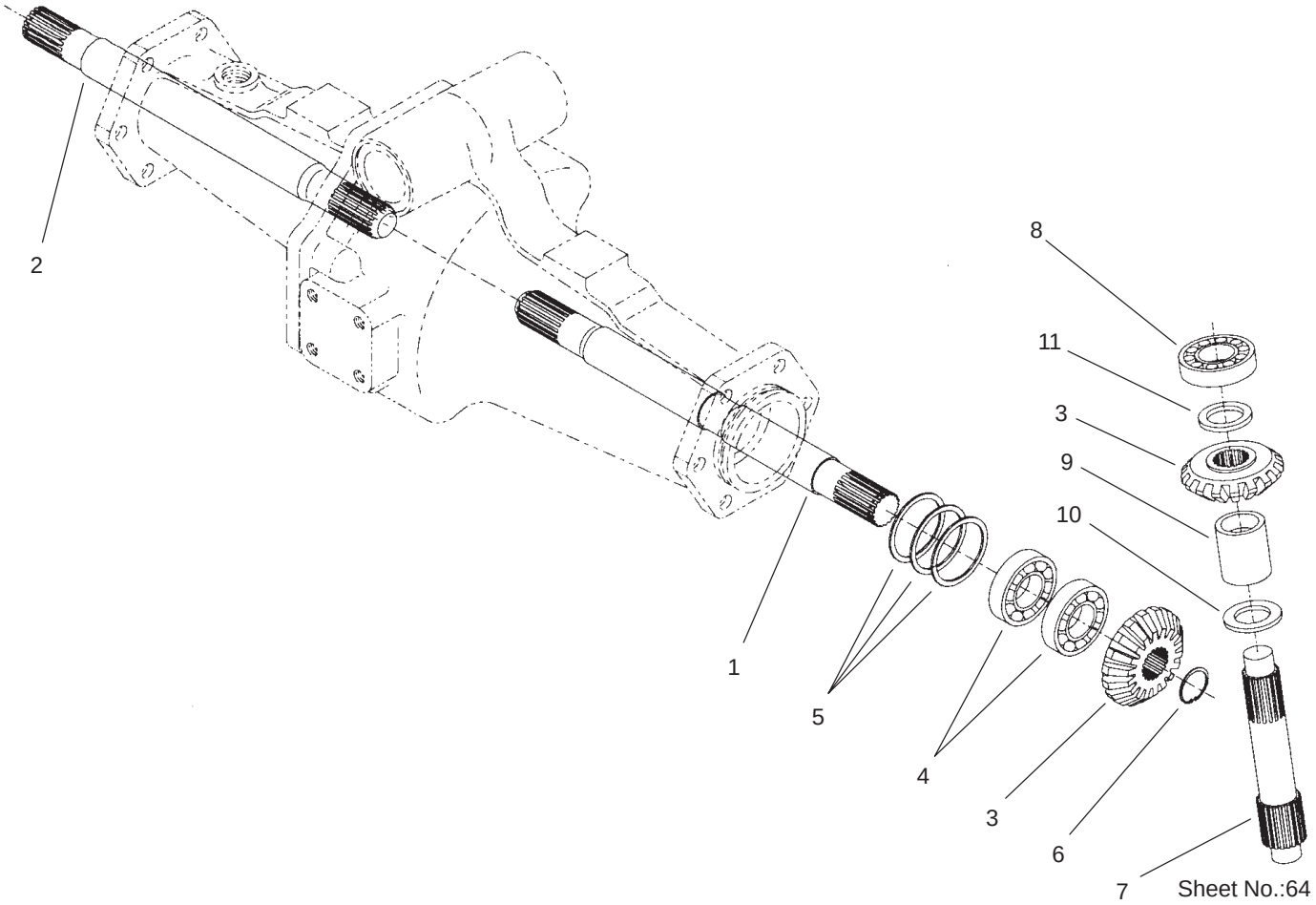
Sheet No.:63
T–3385

Rear Axle Assembly No. 98–3925 (Continued)
Bevel Gear Case Assembly

Ref. No.	Part No.	Qty.	Description
1	95–7539	2	Case–Bevel Gear
2	99–7594	2	Seal–Oil
3	99–7595	2	Bearing–Needle
4	95–7511	2	Gasket
5	95–7510	2	Pin–Knuckle
6	99–7596	8	Bolt
7	100–3746	1	RH Axle Case Support ASM
7:2	99–7529	1	Bushing
7:3	99–7528	1	Nipple–Grease
8	100–3748	1	LH Axle Case Support ASM
8:2	99–7529	1	Bushing
8:3	99–7528	1	Nipple–Grease
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	100–3736	8	Bolt
14	100–3737	4	Stud
15	99–7526	4	Nut
16	99–7527	4	Washer–Spring
18	99–7565	2	Spacer

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

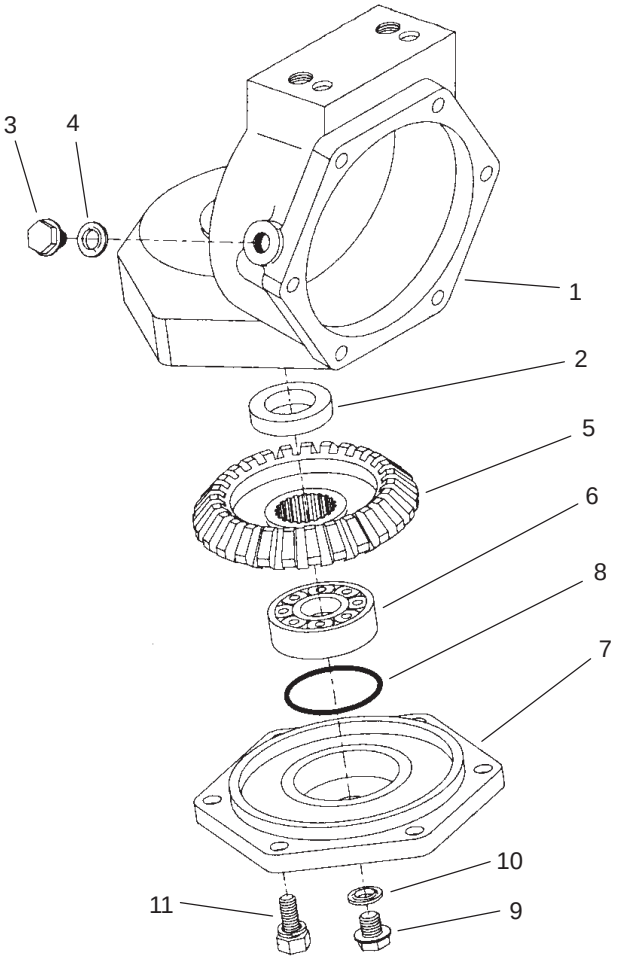


Rear Axle Assembly No. 98–3925 (Continued)
Bevel Gear Shaft Assembly

Ref. No.	Part No.	Qty.	Description
1	99–7509	1	Shaft–Differential, LH Gear
2	99–7512	1	Shaft–Differential, RH Gear
3	95–7518	4	Gear–18 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	Clip
7	95–7530	2	Shaft–Bevel Gear
8	99–7532	2	Bearing–Taper Roller
9	95–7543	2	Spacer
10	99–7533	2	Collar–Thrust
11	99–7558	2	Collar

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:65

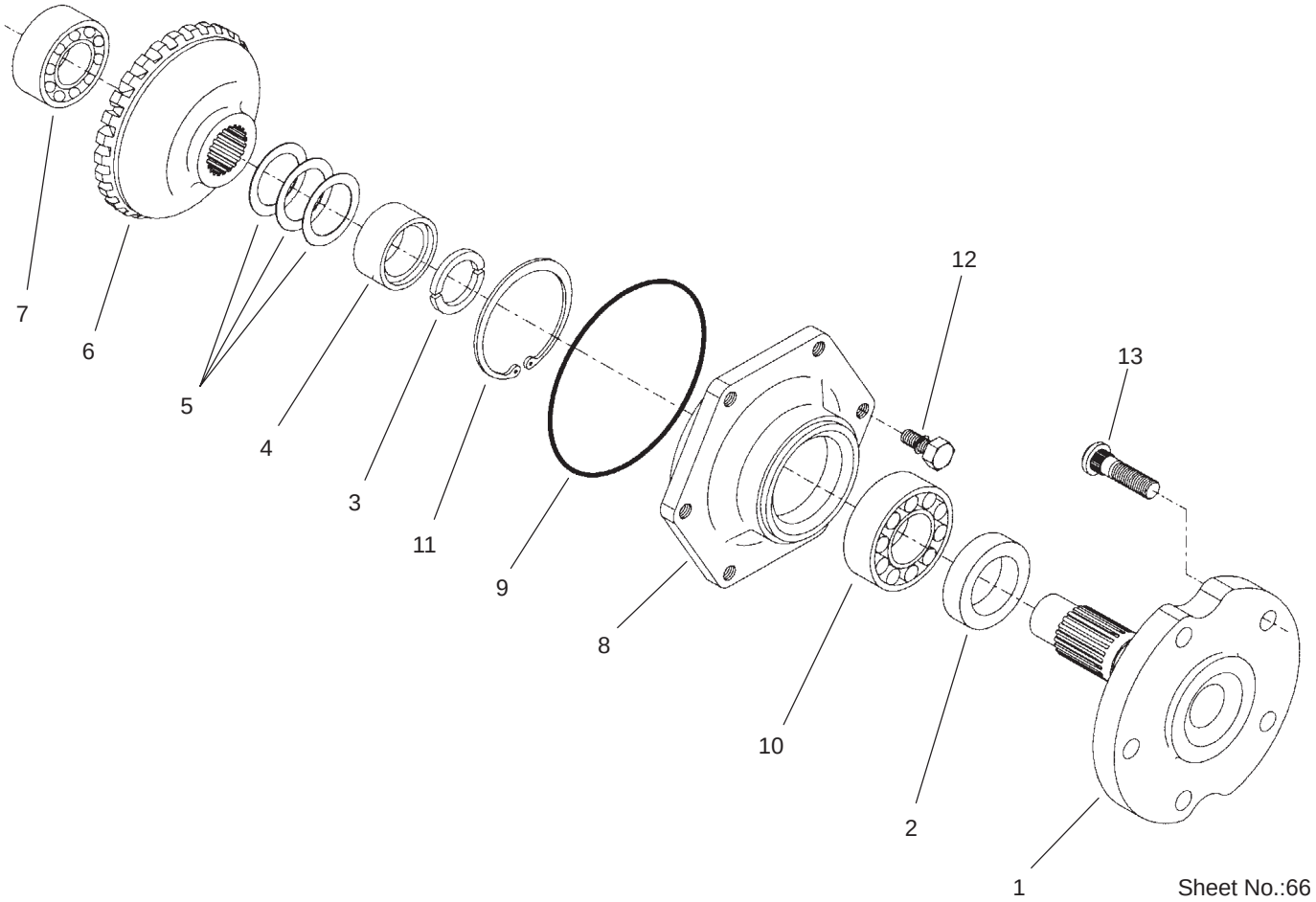
T–3107–1

Rear Axle Assembly No. 98–3925 (Continued)
Axle Case Assembly

Ref. No.	Part No.	Qty.	Description
1	95–7532	2	Case–Axle
2	99–7594	2	Seal–Oil
3	99–7535	2	Plug
4	99–7536	2	Washer–Seal
5	95–7528	2	Gear–27 Bevel
6	99–7532	2	Bearing–Taper Roller
7	95–7526	2	Cover–Axle
8	99–7537	2	O–Ring
9	99–7589	2	Plug
10	99–7590	2	Washer–Seal
11	99–7596	12	Bolt

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:66
T–3108–1

Rear Axle Assembly No. 98–3925 (Continued)
Axle Case Assembly

Ref. No.	Part No.	Qty.	Description
1	95–7522	2	Axle
2	99–7564	2	Seal–Oil
3	95–7544	4	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	95–7525	2	Gear–27 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	Clip
12	99–7596	12	Bolt
13	99–7563	10	Stud

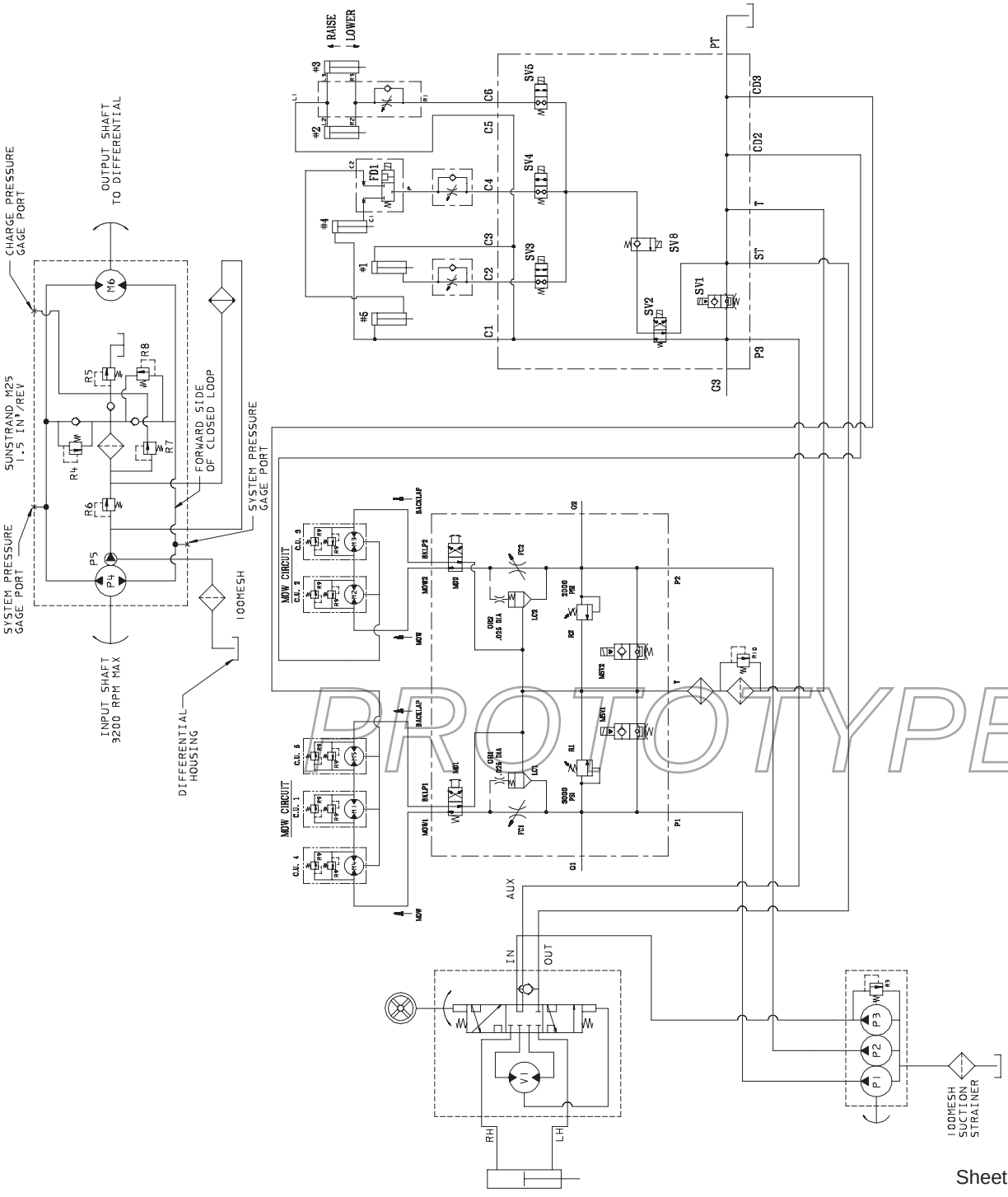
Ref. No.	Part No.	Qty.	Description

PROTOTYPE

Hydraulic Schematic

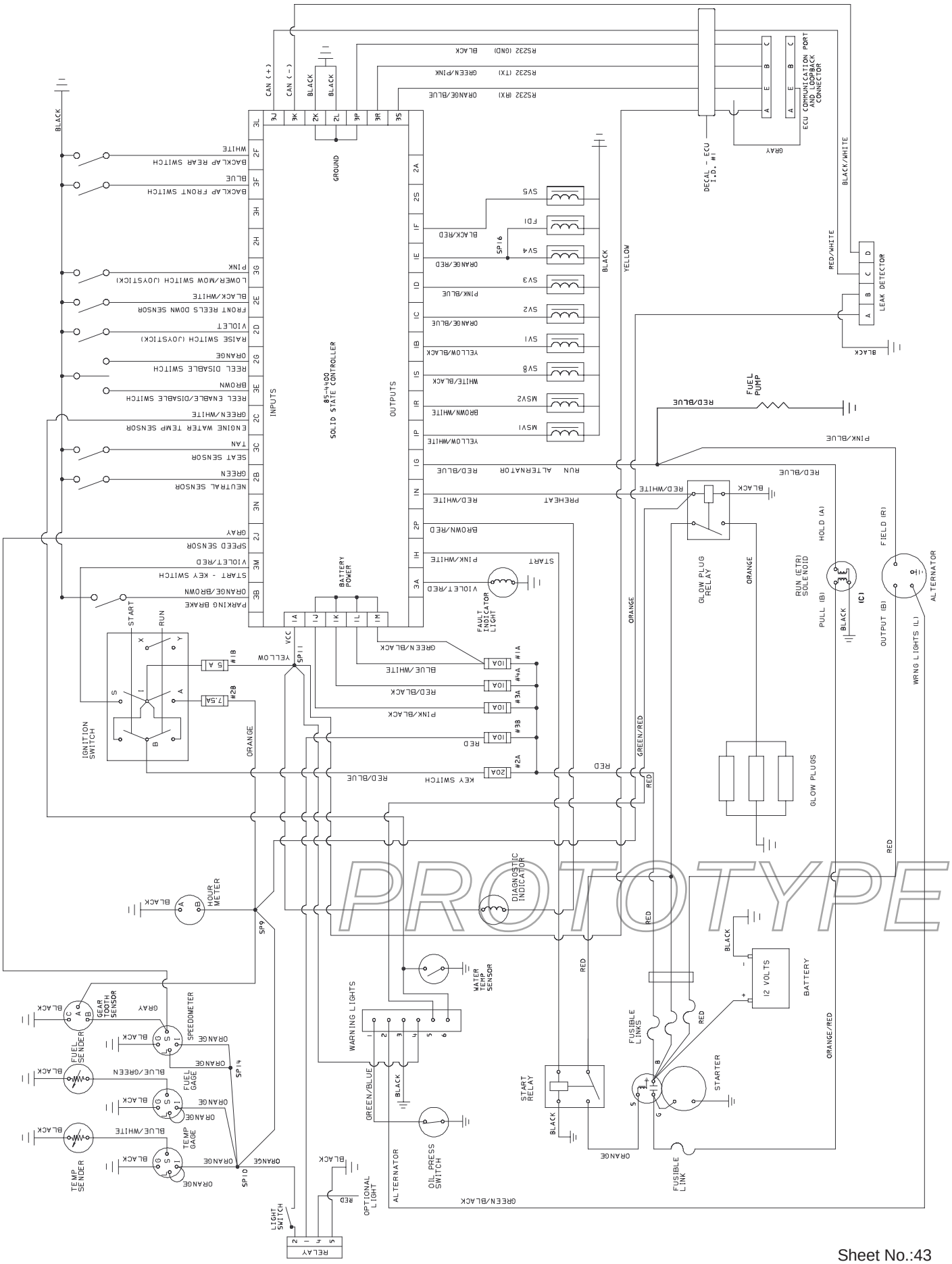
DISPLACEMENT, FLOW RATE, AND PRESSURE CHART						
	DISPLACEMENT		PRESSURE		FLOW RATE *	
COMPONENT	in^3/rev	cm^3/rev	lbs/in^2	BARS	GPM	LPM
P1	.66	10.8			8.4	31.8
P2	.66	10.8			8.4	31.8
P3	.37	6			4.7	17.8
P4	1.5	25			19.1	72.3
P5	.58	9.5			7.4	28
M1	1.16	19				
M2	1.16	19				
M3	1.16	19				
M4	1.16	19				
M5	1.16	19				
M6	1.51	25				
V1	6.1	100				
R1			3000	207		
R2			3000	138		
R3			1450	100		
R4			3625	250		
R5			150	10		
R6			70	5		
R7			70	5		
R8			3625	250		
R9			1500	103		
R10			50	3		

* FLOW RATE CALCULATED AT 3000 RPM AND 98% EFFICIENCY.



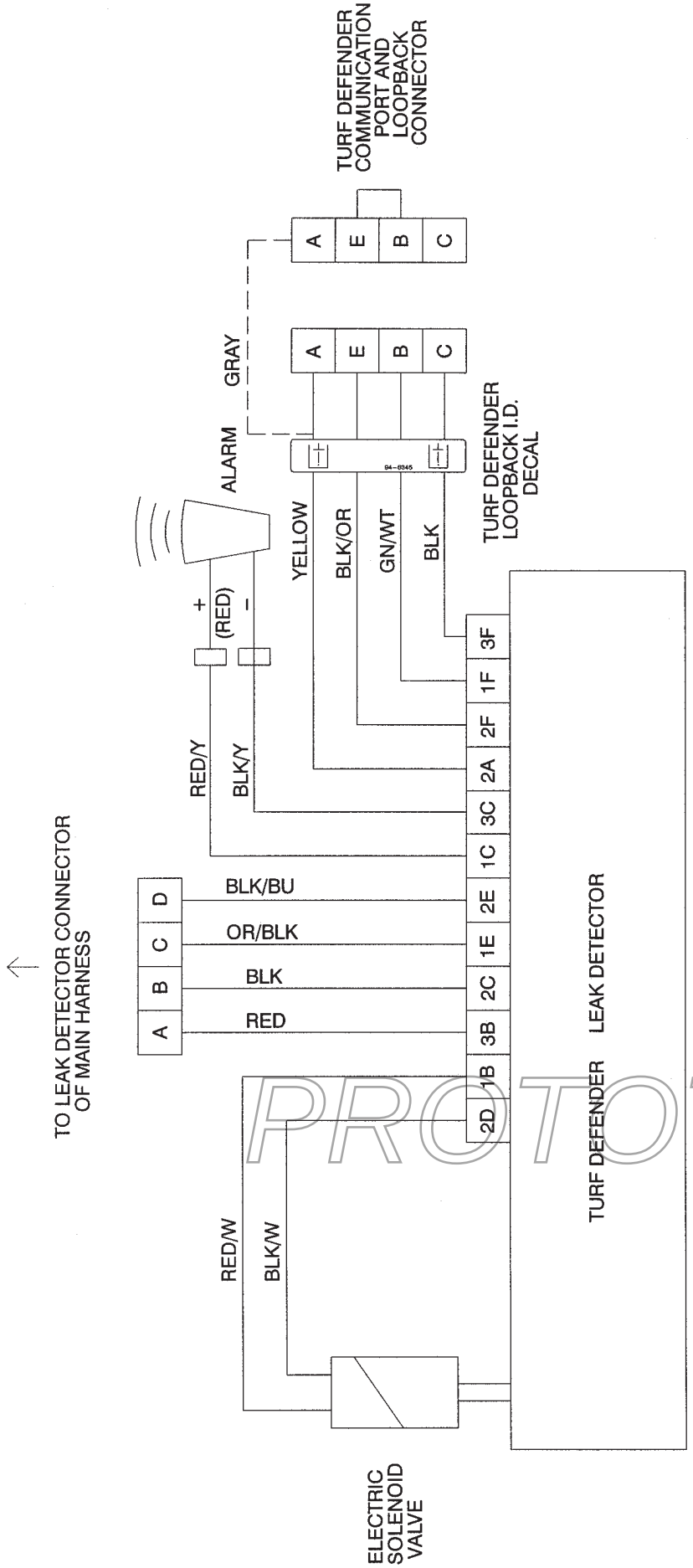
PROTOTYPE

Electrical Schematic

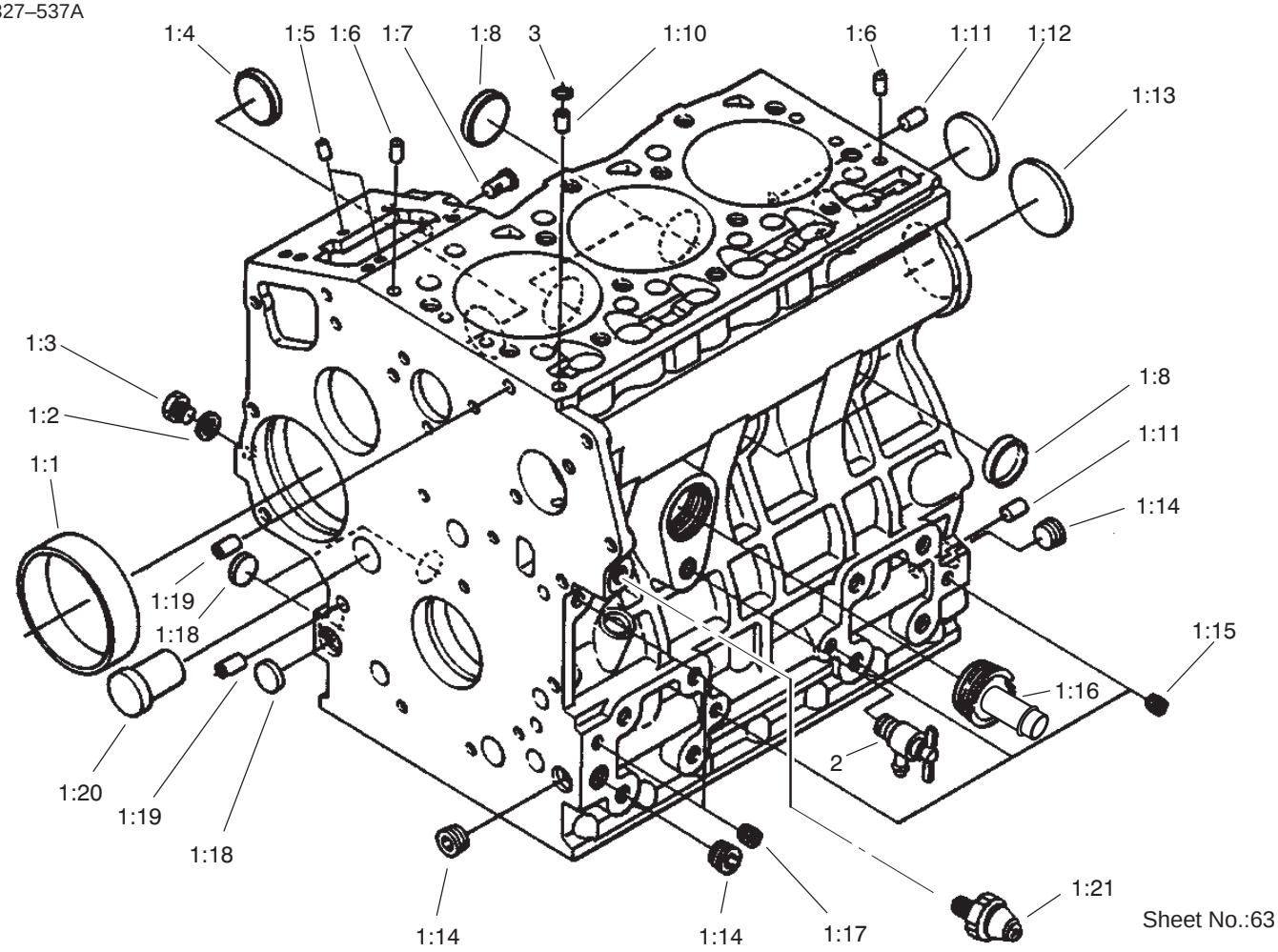


Sheet No.:43

Electrical Schematic – Turfdefender



PROTOTYPE

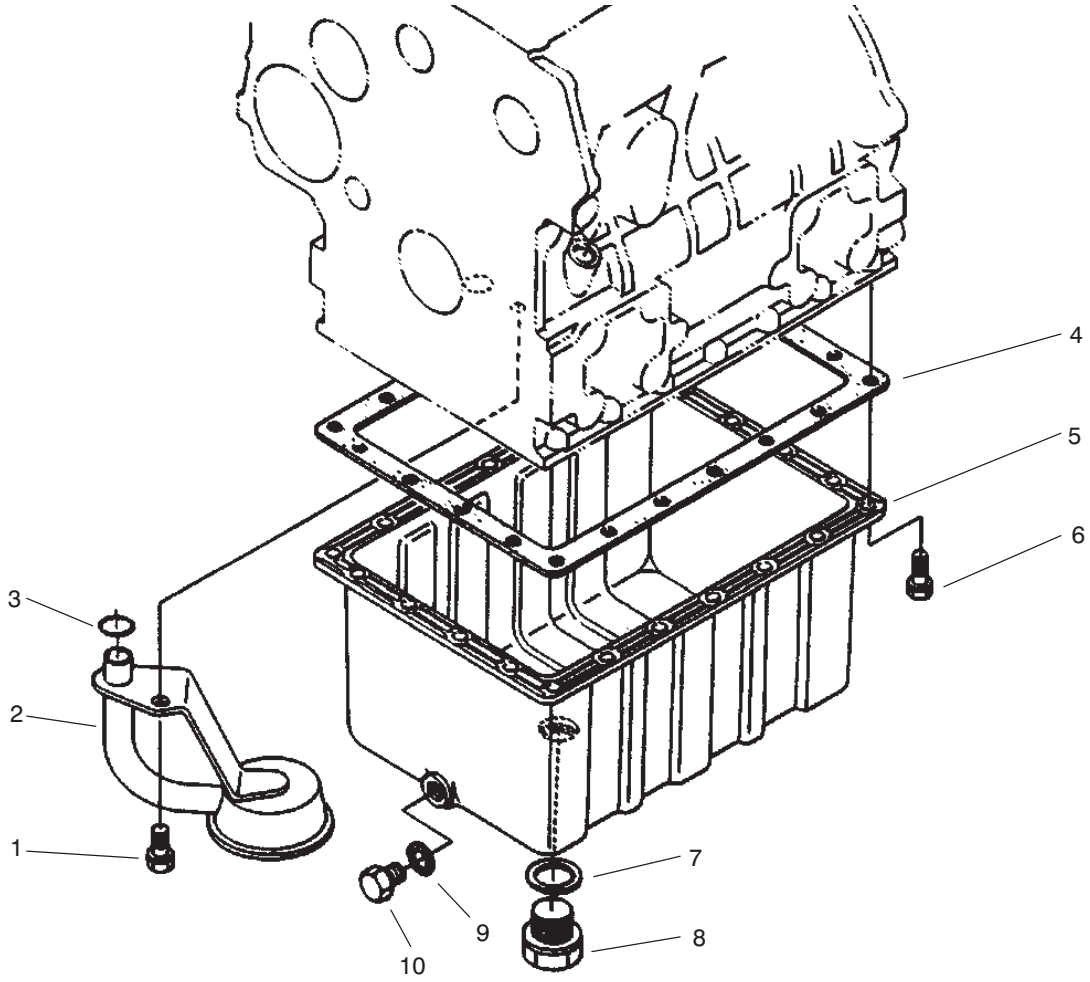


Crankcase Assembly

Ref. No.	Part No.	Qty.	Description
1	99–8300	1	Crankcase ASM
1:1	98–9656	1	Bushing–Governor, Gear
1:2	98–7428	1	Gasket
1:3	98–7507	1	Plug
1:4	98–9599	1	Plug
1:5	98–9375	2	Pin–Straight
1:6	98–9376	2	Pin–Straight
1:7	98–9630	1	Pin–Spring, Start
1:8	98–9398	4	Cap–Sealing
1:9	98–7509	1	O–Ring
1:10	98–9539	1	Pin–Pipe
1:11	98–9377	2	Pin–Straight
1:12	98–7539	1	Cap–Sealing
1:13	98–9668	1	Plug
1:14	98–9597	3	Plug
1:15	98–7540	3	Cap–Sealing
1:16	99–8347	1	Joint–Pipe, Drain
1:17	98–7487	2	Plug
1:18	98–9379	3	Plug
1:19	98–9387	2	Pin–Pipe
1:20	98–9675	1	Plug
1:21	98–9416	1	Switch–Oil
2	98–9436	1	Drain Cock ASM

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



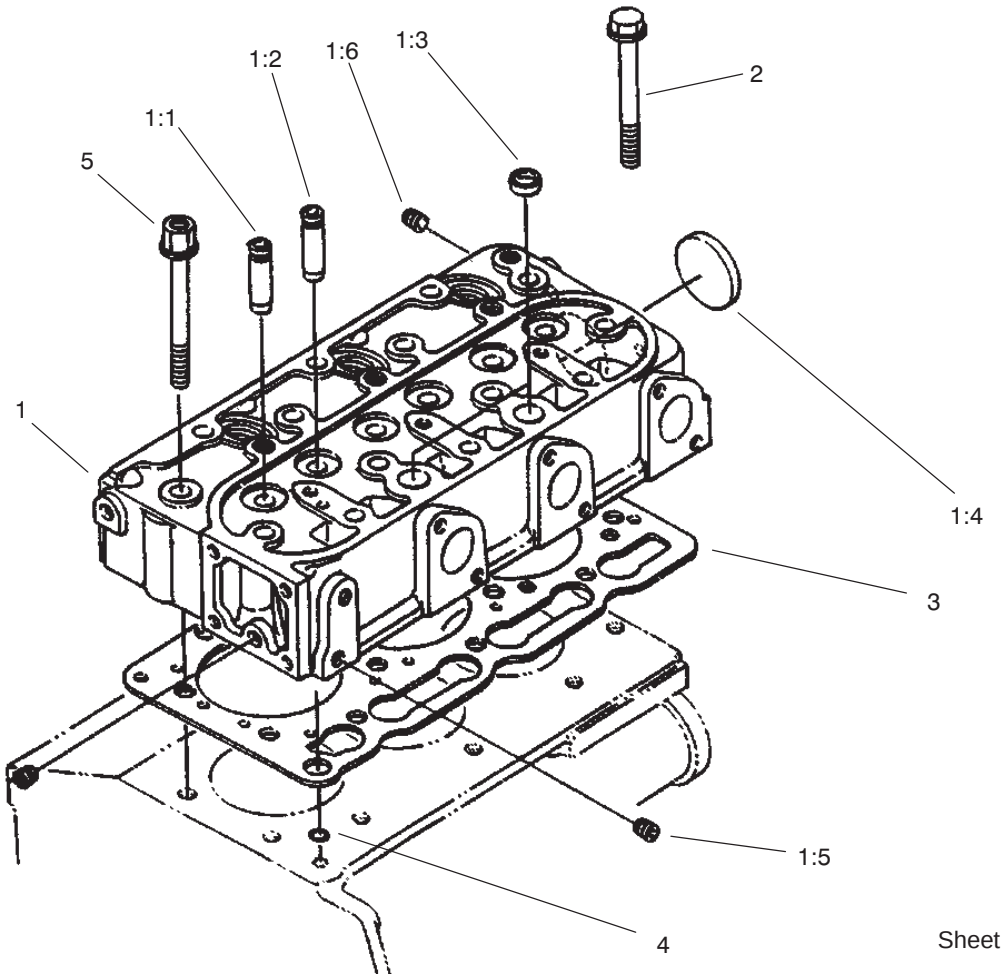
Sheet No.:64

Oil Pan Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9358	1	Bolt
2	98–9538	1	Filter–Oil
3	98–7527	1	O–Ring
4	98–9646	1	Gasket–Pan, Oil
5	98–9685	1	Drain–Oil
6	98–9350	22	Bolt
7	98–9399	1	Gasket
8	98–7523	1	Plug–Drain
9	98–7524	1	Gasket
10	98–9386	1	Plug

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



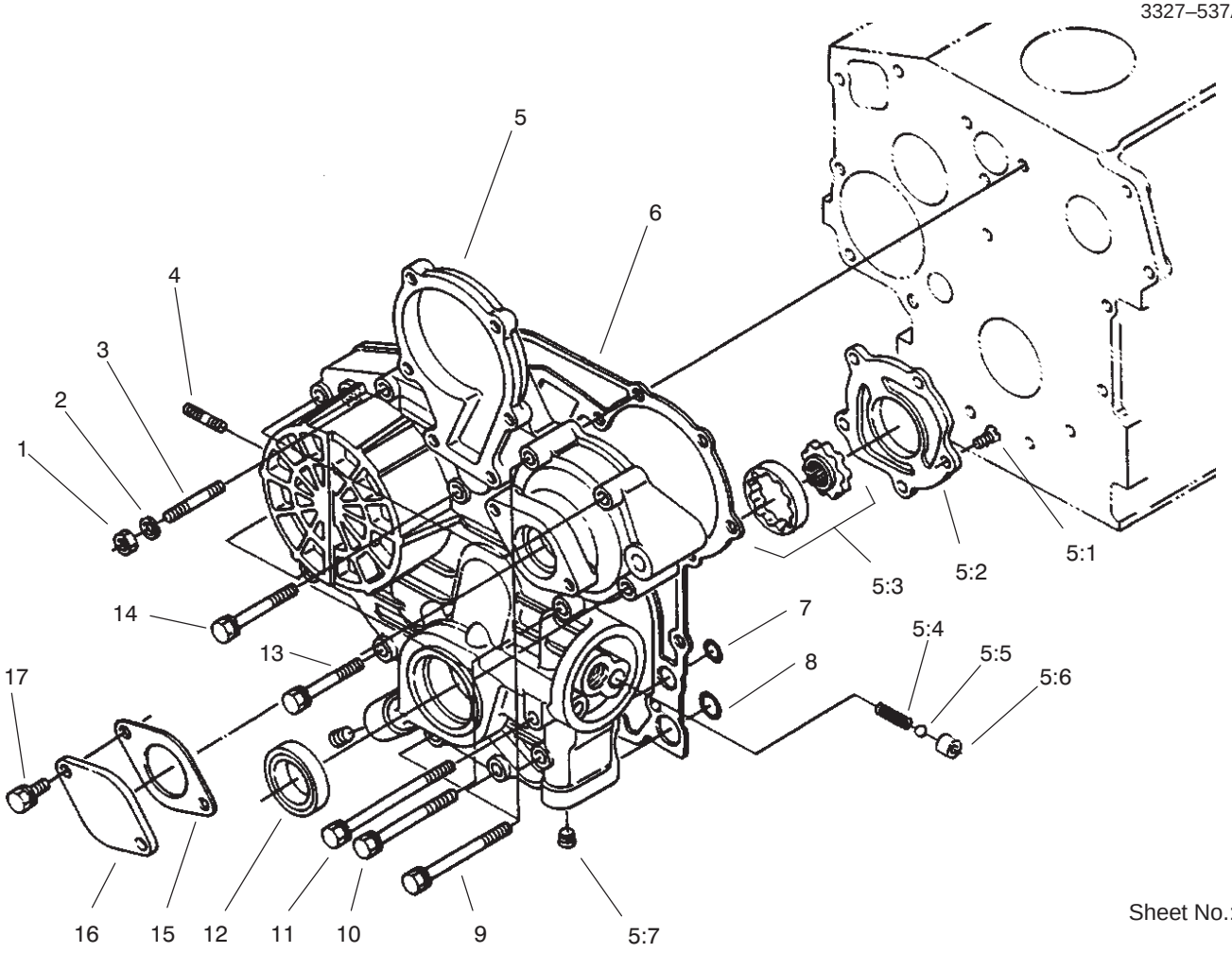
Sheet No.:65

Cylinder Head Assembly

Ref. No.	Part No.	Qty.	Description
1	99–8344	1	Cylinder Head ASM
1:1	98–9395	1	Cap–Sealing
1:2	98–7540	2	Cap–Sealing
1:3	98–9499	3	Guide–Valve, Inlet
1:4	98–9500	3	Guide–Valve, Exhaust
1:5	98–9389	2	Cap–Sealing
1:6	98–9444	1	Plug
2	98–9479	12	Bolt–Head, Cylinder
3	98–9613	1	Gasket–Head, Cylinder
4	98–7509	1	O–Ring
5	98–9647	2	Bolt–Head, Cylinder

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



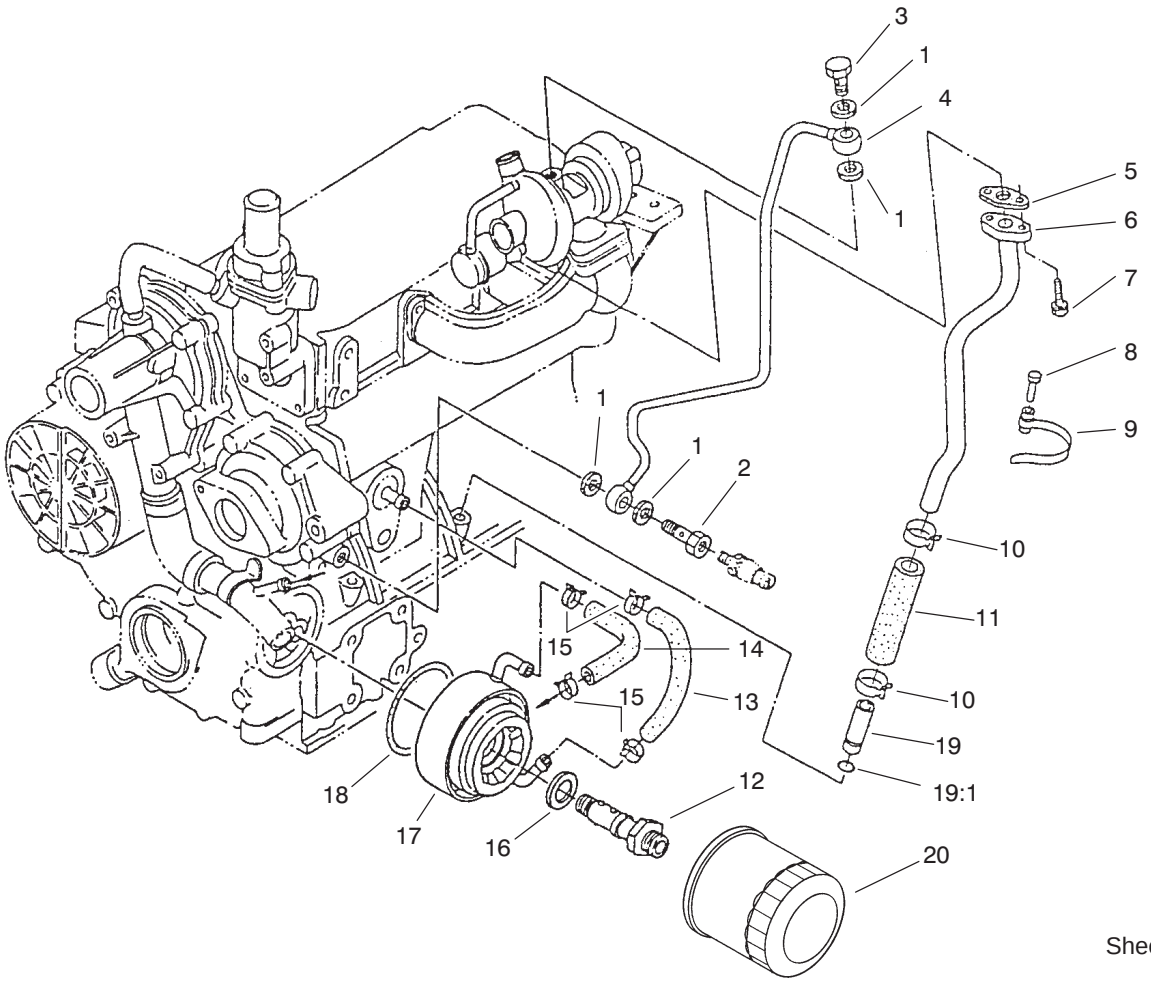
Sheet No.:66

Gearcase and Oil Filter Assembly

Ref. No.	Part No.	Qty.	Description
1	98–7572	1	Nut
2	98–9367	1	Washer–Spring
3	98–9363	1	Stud
4	98–9362	2	Stud
5	99–8381	1	Gear Case ASM
5:1	98–9592	5	Screw
5:2	98–9541	1	Cover–Pump, Oil
5:3	98–9540	1	Oil Pump Rotor ASM
5:4	98–9544	1	Spring
5:5	98–9380	1	Ball
5:6	98–9543	1	Seat–Valve
5:7	98–9598	2	Plug
6	98–9633	1	Gasket–Case, Gear
7	98–9372	2	O–Ring
8	98–7547	2	O–Ring
9	98–9356	2	Bolt
10	98–9355	6	Bolt
11	98–9586	1	Bolt
12	98–9482	1	Seal–Oil
13	98–9437	1	Bolt
14	98–7496	3	Bolt
15	98–9684	1	Gasket–Gear Case
16	98–9641	1	Cover
17	98–7692	2	Bolt

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



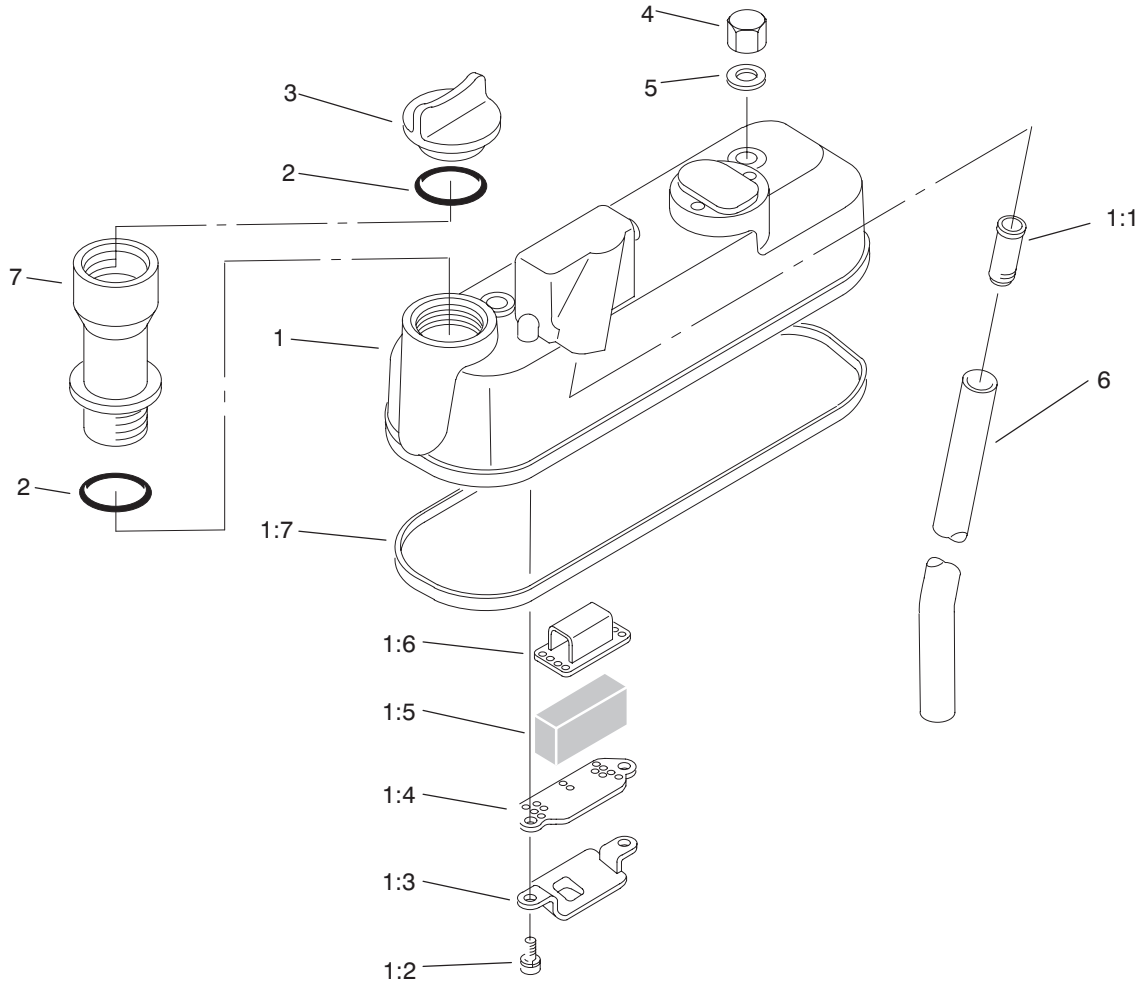
Sheet No.:67
T–3079–1

Filter, Oil Cooler and Pipe Assembly

Ref. No.	Part No.	Qty.	Description
1	99–8346	4	Gasket
2	98–9417	1	Bolt–Joint, Eye
3	98–9418	1	Bolt–Joint, Eye
4	98–9419	1	Oil Pipe ASM
5	98–9435	1	Gasket–Oil Return, Turbo
6	98–9461	1	Pipe Line ASM
7	98–7568	2	Bolt
8	98–9591	1	Pin–Band
9	98–9601	1	Clamp–Pipe
10	98–9714	2	Clamp–Hose
11	98–9721	1	Pipe–Oil
12	98–9723	1	Holder ASM
13	98–9724	1	Pipe–Cooler, Oil
14	98–9578	1	Pipe–Return, Water
15	98–9579	4	Band–Pipe
16	98–9727	1	Collar
17	98–9728	1	Oil Cooler ASM
18	98–9729	1	O–Ring
19	99–8383	1	Oil Pipe ASM
19:1	98–9722	1	O–Ring
20	99–8384	1	Filter–Oil

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



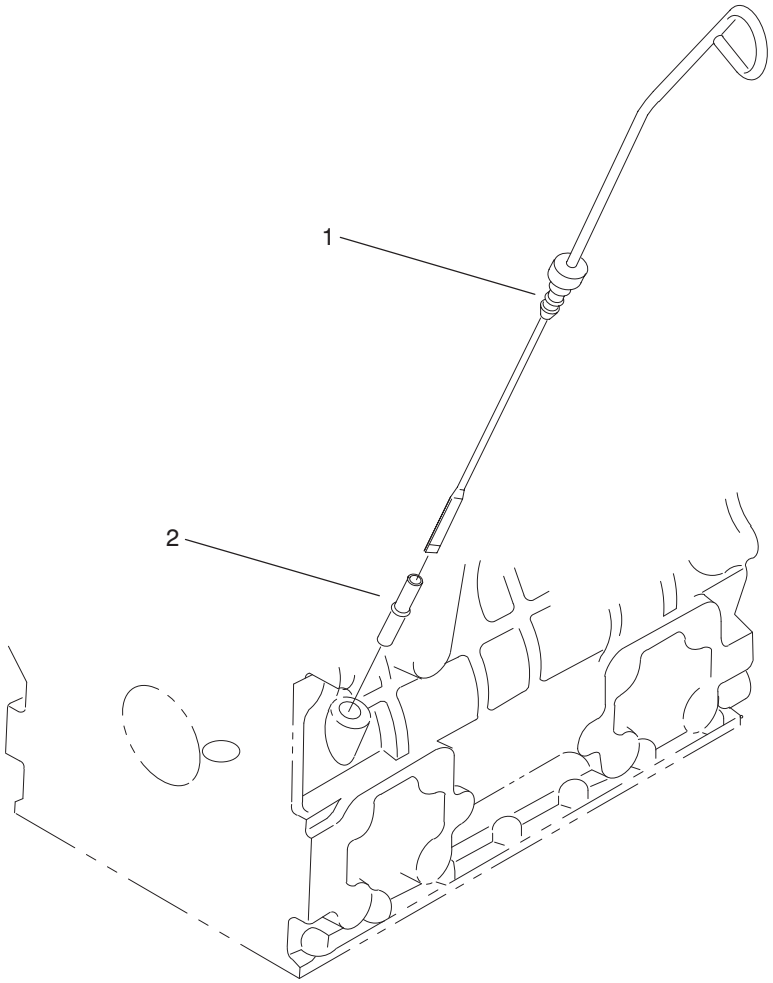
Sheet No.:68

Head Cover Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9614	1	Cylinder Head Cover ASM
1:1	98–9492	1	Joint–Pipe, Breather
1:2	98–9364	2	Screw–W/Washer
1:3	98–9490	1	Shield–Oil, Breather
1:4	98–9488	1	Plate–Element, Breather
1:5	98–9493	1	Element–Breather
1:6	98–9489	1	Plate–Element, Breather
1:7	98–9615	1	Gasket–Cover, Head
2	98–7430	2	O–Ring
3	98–9449	1	Plug–Filler, Oil
4	98–9455	3	Nut–Cap
5	98–9454	3	Gasket
6	98–9491	1	Pipe–Breather
7	99–8349	1	Extension–Oil Fill

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



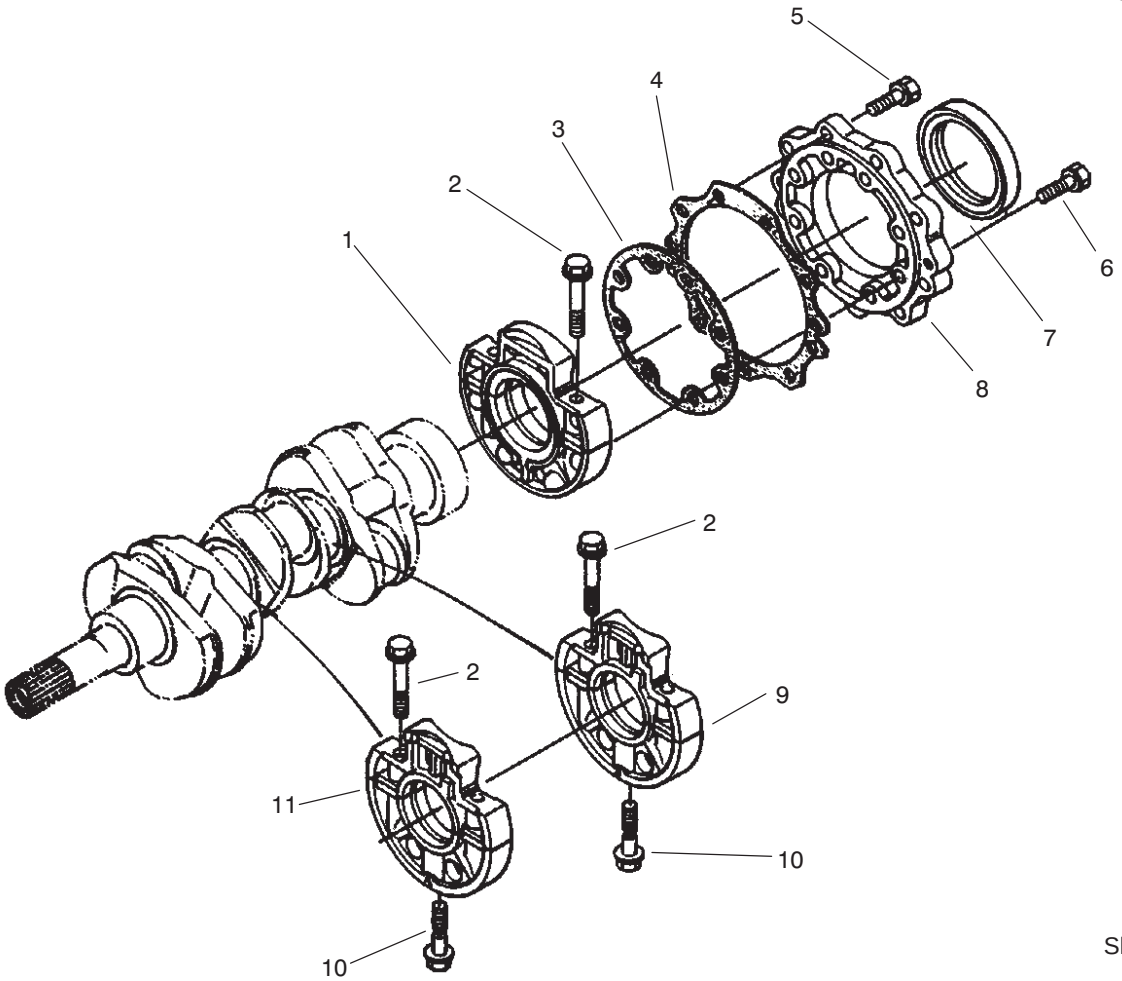
Sheet No.:69

Dipstick and Guide Assembly

Ref. No.	Part No.	Qty.	Description
1	104–9348	1	Gauge–Oil
2	104–9349	1	Guide–Oil Gauge

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



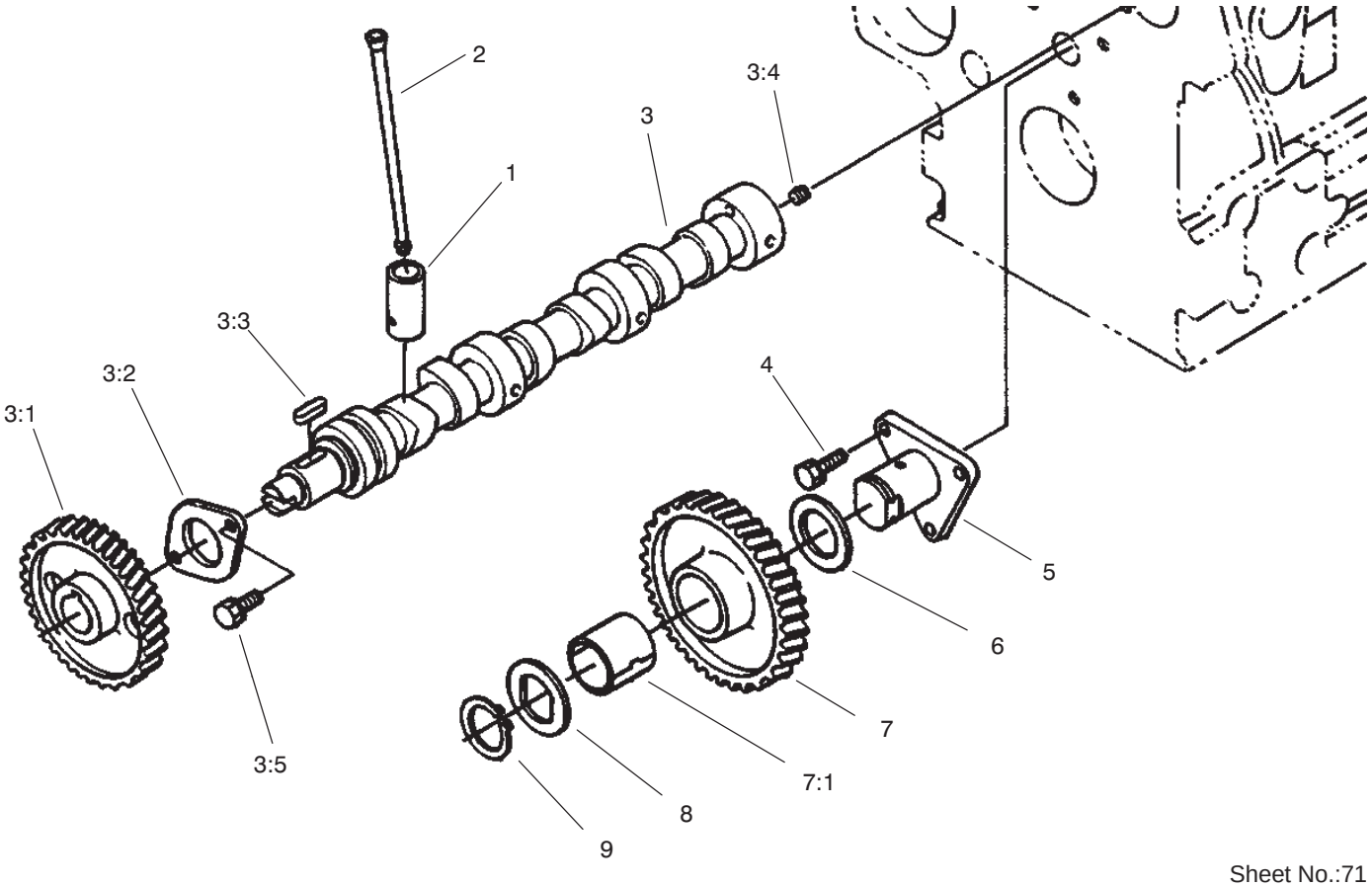
Sheet No.:70

Main Bearing Case Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9480	1	Main Bearing Case ASM
2	98–9484	6	Bolt–Case, Bearing
3	98–9634	1	Gasket–Case, Bearing
4	98–9635	1	Gasket–Cover, Bearing Case
5	98–7568	9	Bolt
6	98–9352	8	Bolt
7	98–9483	1	Seal–Oil
8	98–9487	1	Cover–Case, Bearing
9	99–8360	1	Case–Bearing, Main
10	98–9485	2	Bolt–Case, Bearing
11	99–8361	1	Case–Bearing, Main

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



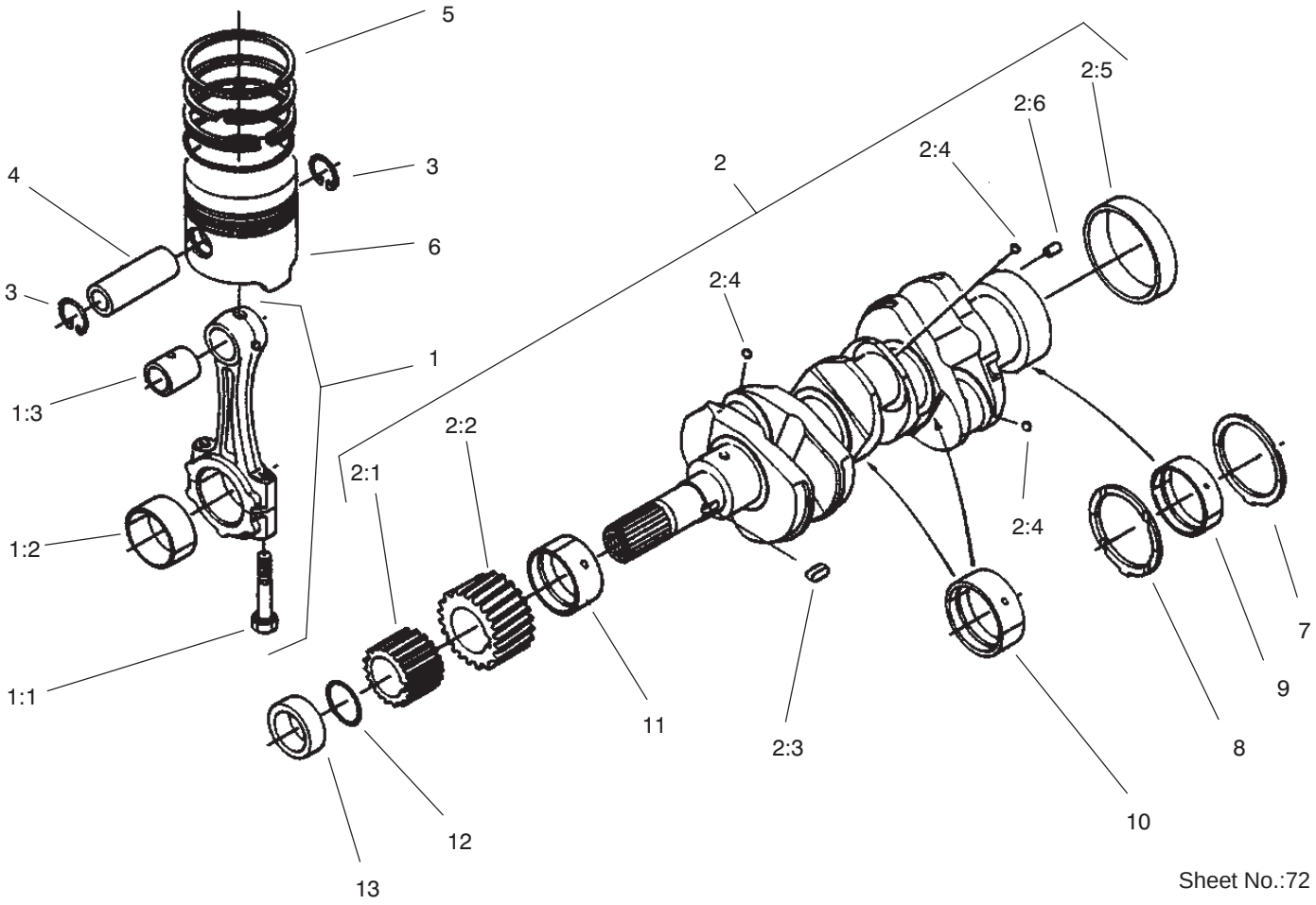
Sheet No.:71

Camshaft Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9616	6	Tappet
2	98–9509	6	Rod–Push
3	99–8362	1	Camshaft ASM
3:1	98–9512	1	Gear–Cam
3:2	98–9510	1	Stopper–Camshaft
3:3	98–9378	1	Key–Feather
3:4	98–7449	1	Screw–Set
3:5	98–9351	2	Bolt
4	98–7692	3	Bolt
5	98–9533	1	Shaft–Gear, Idle
6	98–9535	1	Collar–Gear, Idle
7	98–9649	1	Idle Gear ASM
7:1	98–9650	1	Bushing–Gear, Idle
8	98–9536	1	Collar–Gear, Idle
9	98–9534	1	Clip–Circular, Idle Gear

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



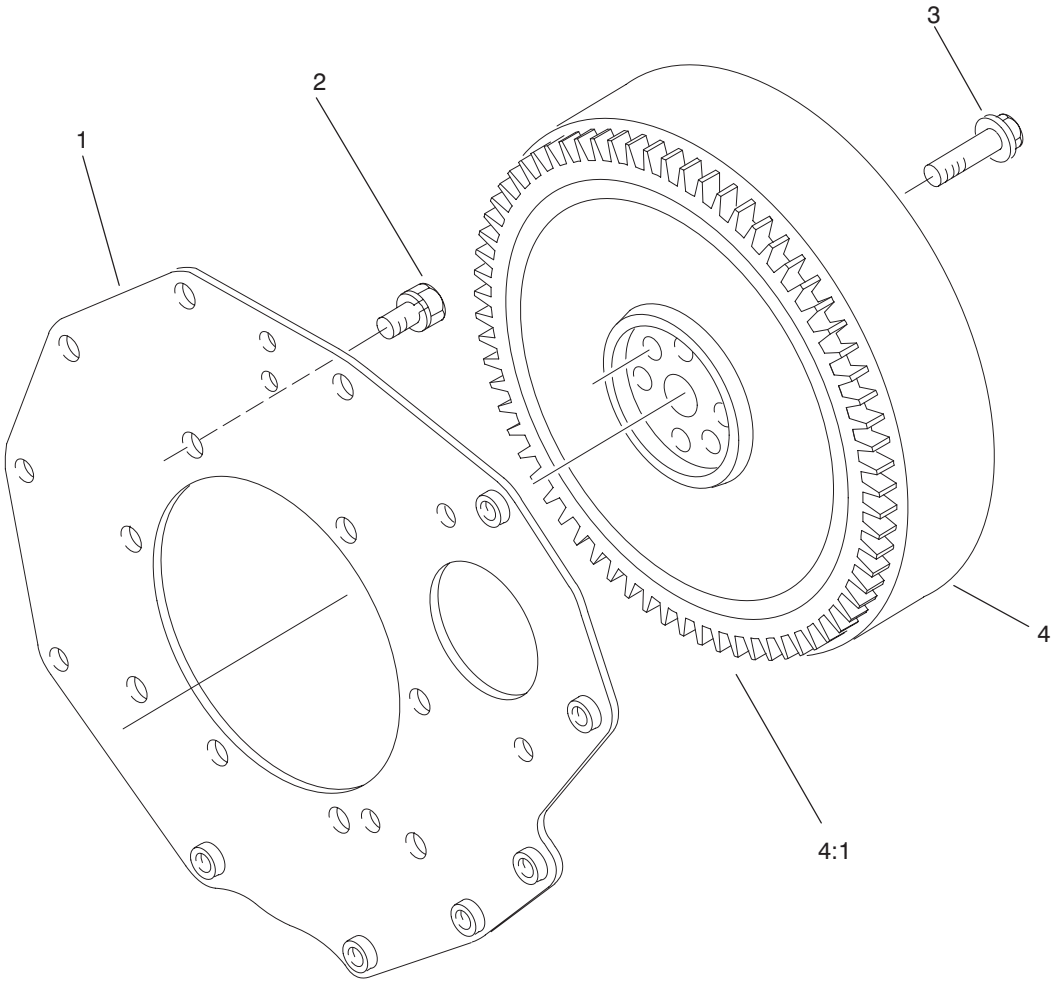
Sheet No.:72

Piston and Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9552	3	Connecting Rod ASM
1:1	98–9517	6	Bolt–Rod, Connecting
1:2	98–9553	3	Bearing–Rod (STD)
1:2	98–9520	3	Bearing–Rod (0.4mm)
1:2	98–9519	3	Bearing–Rod (0.2mm)
1:3	98–9515	3	Bushing–Pin, Piston
2	98–9642	1	Crankshaft ASM
2:1	98–9542	1	Gear–Drive, Oil Pump
2:2	98–9532	1	Gear–Crankshaft
2:3	98–9666	1	Key
2:4	98–7473	3	Ball
2:5	98–9522	1	Sleeve–Crankshaft
2:6	98–9375	1	Pin–Straight
3	98–9514	6	Clip–Circular, Piston Pin
4	98–9513	3	Pin–Piston
5	98–9551	3	Piston Ring ASM (STD)
5	98–9619	3	Piston Ring ASM (0.5mm)
6	98–9470	3	Piston (0.5mm)
6	98–9550	3	Piston (STD)
7	98–9413	2	Bearing–Thrust (STD)
7	98–9414	2	Bearing–Thrust (0.2mm)

Ref. No.	Part No.	Qty.	Description
7	98–9415	2	Bearing–Thrust (0.4mm)
8	98–9688	2	Bearing–Thrust (STD)
8	98–9689	2	Bearing–Thrust (0.2mm)
8	98–9690	2	Bearing–Thrust (0.4mm)
9	98–9526	1	Bearing–Main (0.2mm)
9	98–9527	1	Bearing–Main (0.4mm)
9	98–9556	1	Bearing–Main (STD)
10	98–9530	2	Bearing–Main (0.2mm)
10	98–9531	2	Bearing–Main (0.4mm)
10	98–9555	2	Bearing–Main (STD)
11	98–9528	1	Bearing–Main (0.2mm)
11	98–9529	1	Bearing–Main (0.4mm)
11	98–9554	1	Bearing–Main (STD)
12	98–9373	1	O–Ring
13	98–9521	1	Collar–Crankshaft

PROTOTYPE



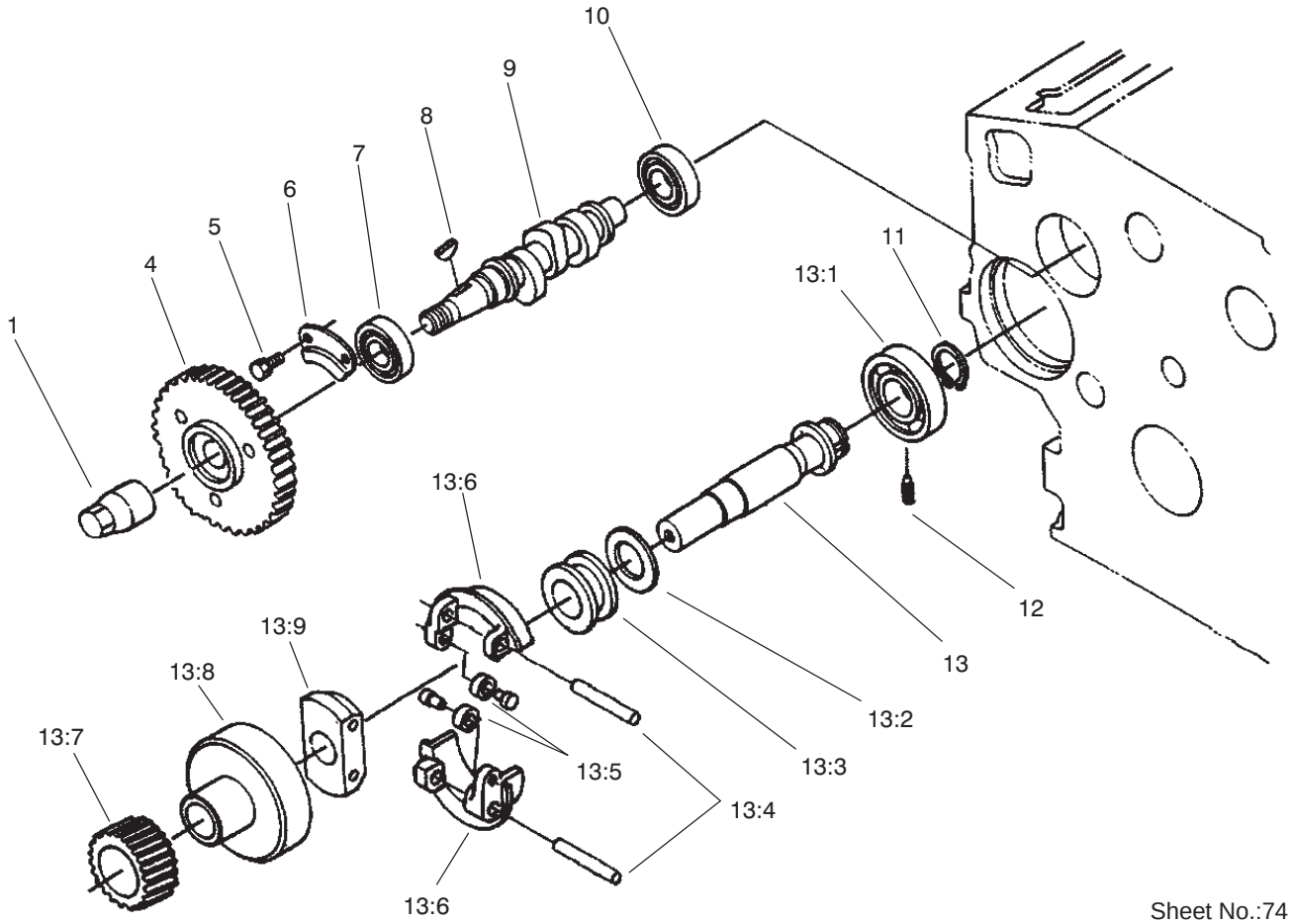
Sheet No.:73
T–2915

Flywheel Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9486	1	Plate–End, Rear
2	98–9392	8	Bolt
3	98–9537	6	Bolt–Flywheel
4	98–9691	1	Flywheel ASM
4:1	98–9394	1	Gear–Ring

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



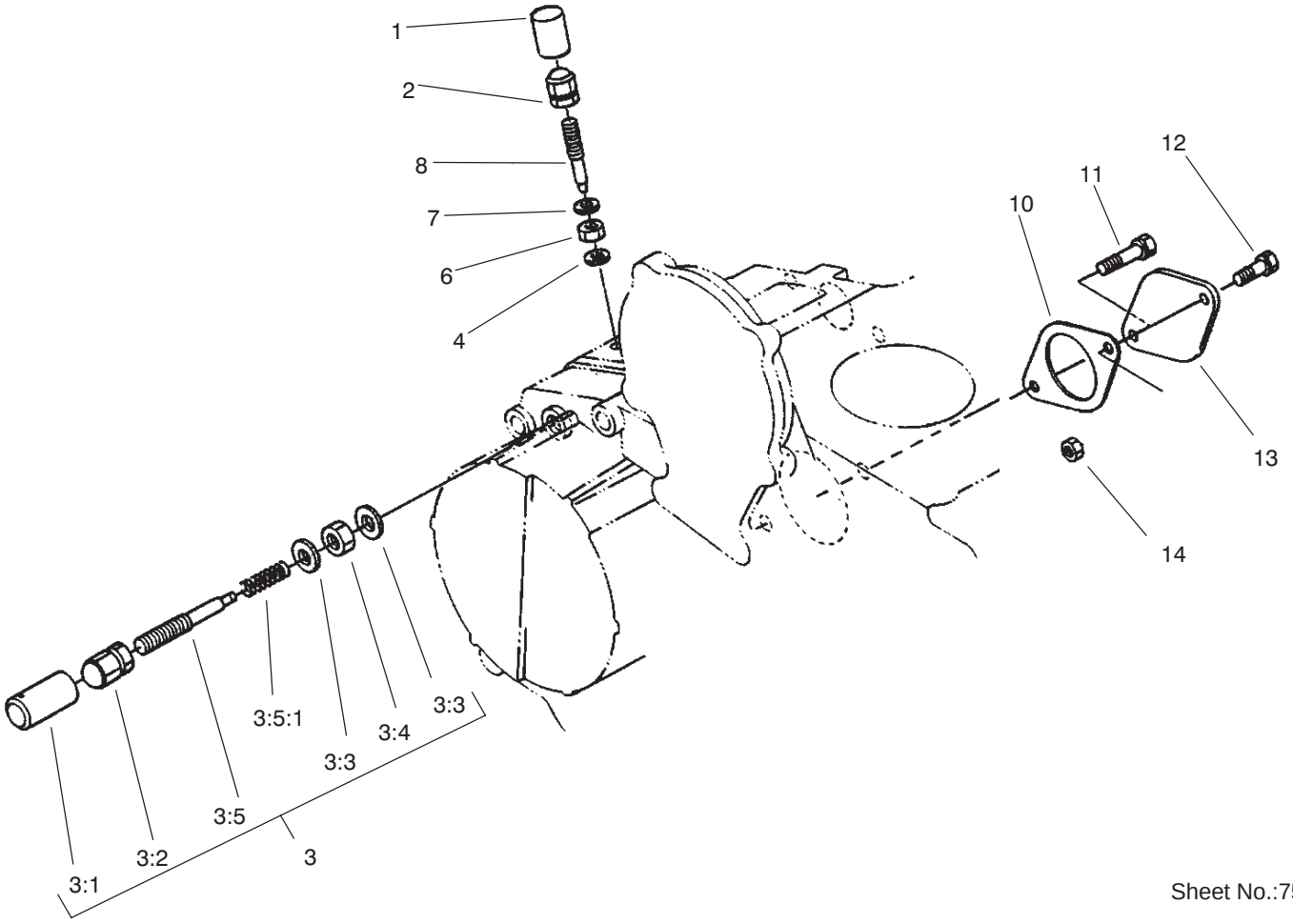
Sheet No.:74

Fuel Camshaft Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9590	1	Nut–Cap
4	98–9669	1	Gear–Pump, Injection
5	98–9350	2	Bolt
6	98–9511	1	Stopper–Fuel, Camshaft
7	98–9383	1	Bearing–Ball
8	98–9595	1	Key–Woodruff
9	98–9459	1	Camshaft–Fuel
10	98–9382	1	Bearing–Ball
11	98–9657	1	Clip–Circular, Governor Shaft
12	98–9565	1	Screw–Set
13	98–9644	1	Governor Shaft ASM
13:1	98–9381	1	Bearing–Ball
13:2	98–9564	1	Washer–Thrust
13:3	98–9563	1	Sleeve–Governor
13:4	98–9560	2	Shaft–Weight, Governor
13:5	98–9692	2	Roller
13:6	98–9559	2	Governor Weight ASM
13:7	98–9673	1	Gear–Governor
13:8	98–9562	1	Holder–Gear, Governor
13:9	98–9561	1	Holder–Weight, Governor

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:75

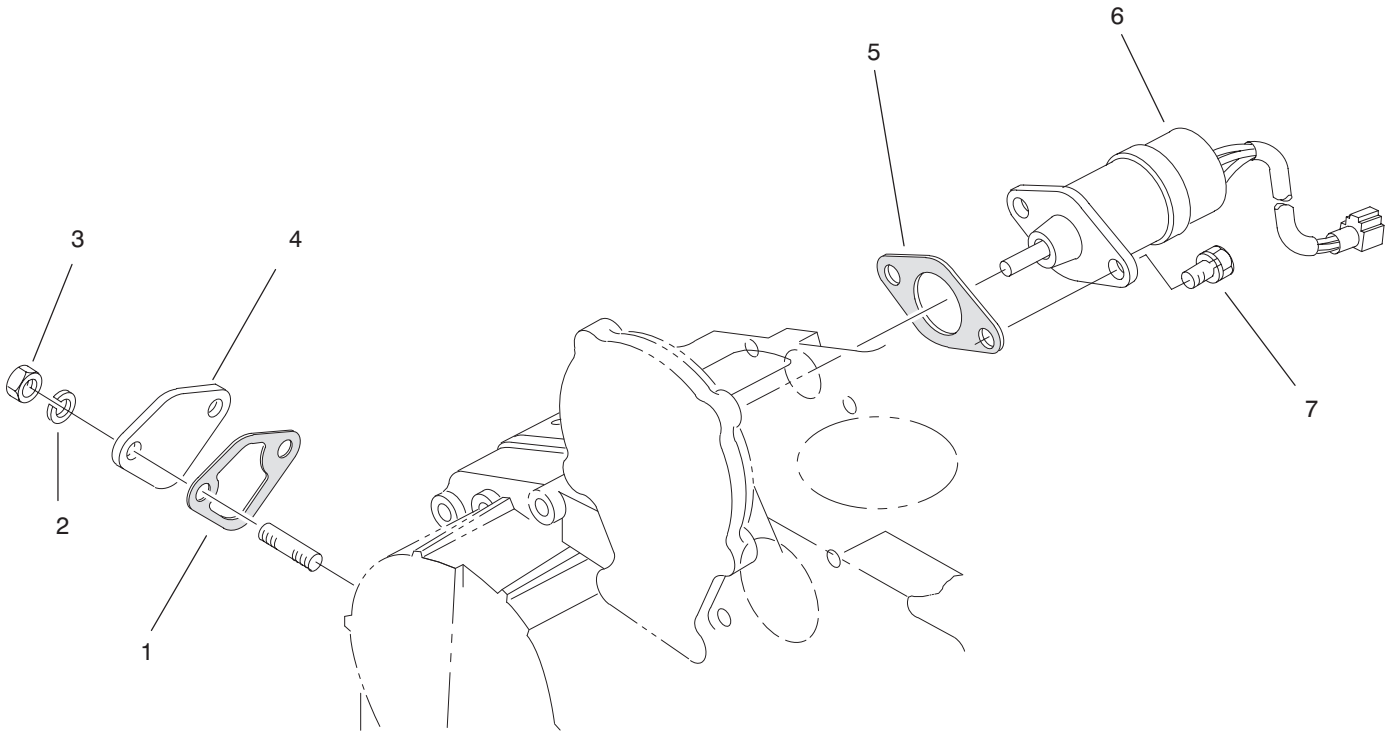
Engine Stop Lever Assembly

Ref. No.	Part No.	Qty.	Description
1	99–8390	1	Pipe–Lock, Fuel Adj.
2	99–8387	1	Nut–Cap
3	98–9678	1	Idle Apparatus ASM
3:1	98–9558	1	Cap
3:2	98–9441	2	Nut–Cap
3:3	98–7654	2	Gasket
3:4	98–9439	2	Nut
3:5	98–9679	1	Adjusting Bolt ASM
☆3:5:1		1	Spring
4	99–8389	1	Gasket
6	99–8386	2	Nut
7	99–8388	1	Gasket
8	98–9557	1	Bolt–Adjusting
10	98–9674	1	Packing
11	98–7645	1	Bolt
12	98–9359	1	Bolt
13	98–9640	1	Cover–Pump
14	98–7534	1	Nut

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

☆ Not serviced separately



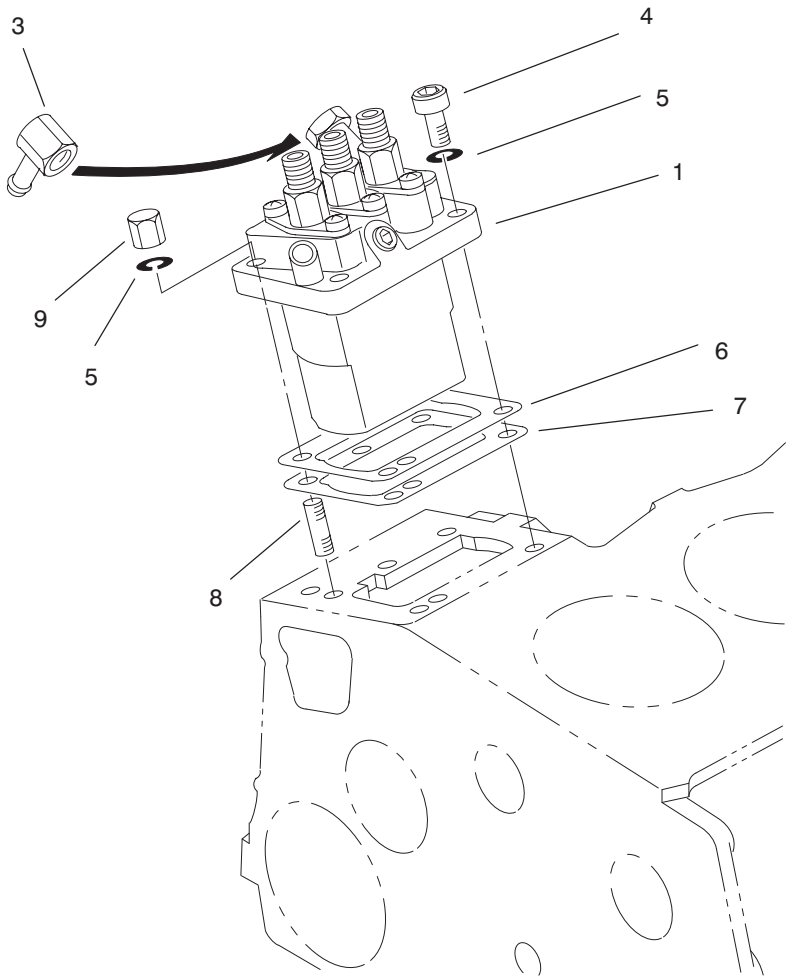
Sheet No.:76

Stop Solenoid and Fuel Pump Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9636	1	Gasket–Pump, Fuel
2	98–9367	2	Washer–Spring
3	98–7572	2	Nut
4	99–3514	1	Cover
5	98–9683	1	Gasket–Cover, Solenoid
6	98–9693	1	Solenoid–Stop
7	98–9351	2	Bolt

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



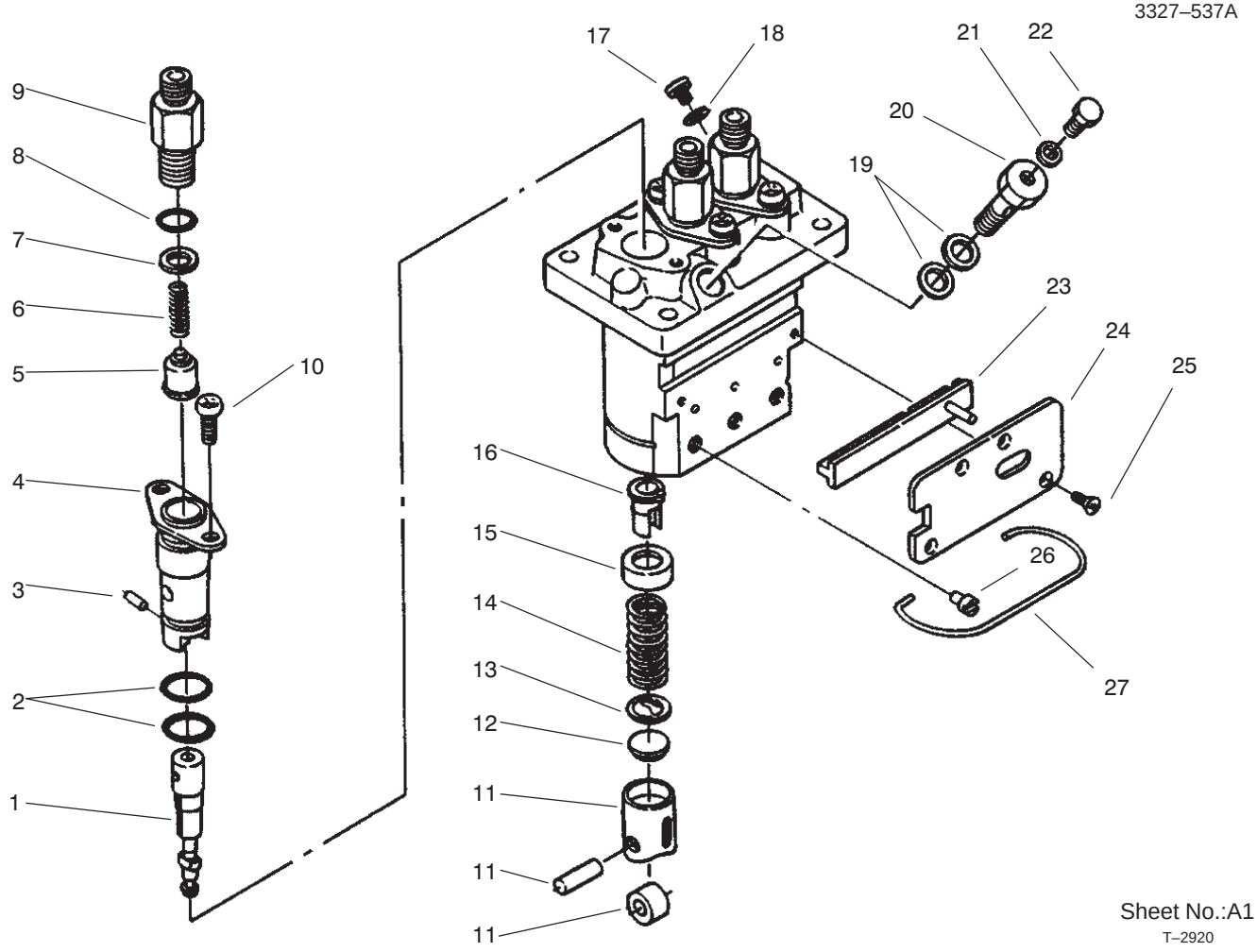
Sheet No.:77

Injection Pump Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9643	1	Injection Pump ASM
3	98–9596	1	Joint–Eye
4	98–9361	2	Bolt–HSH
5	98–9367	4	Washer–Spring
6	98–9456	1	Shim (0.2mm)
6	98–9457	1	Shim–Injection (0.25mm)
7	98–9458	1	Shim–Injection (0.30mm)
8	98–9438	2	Stud
9	98–9440	2	Nut–Cap

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



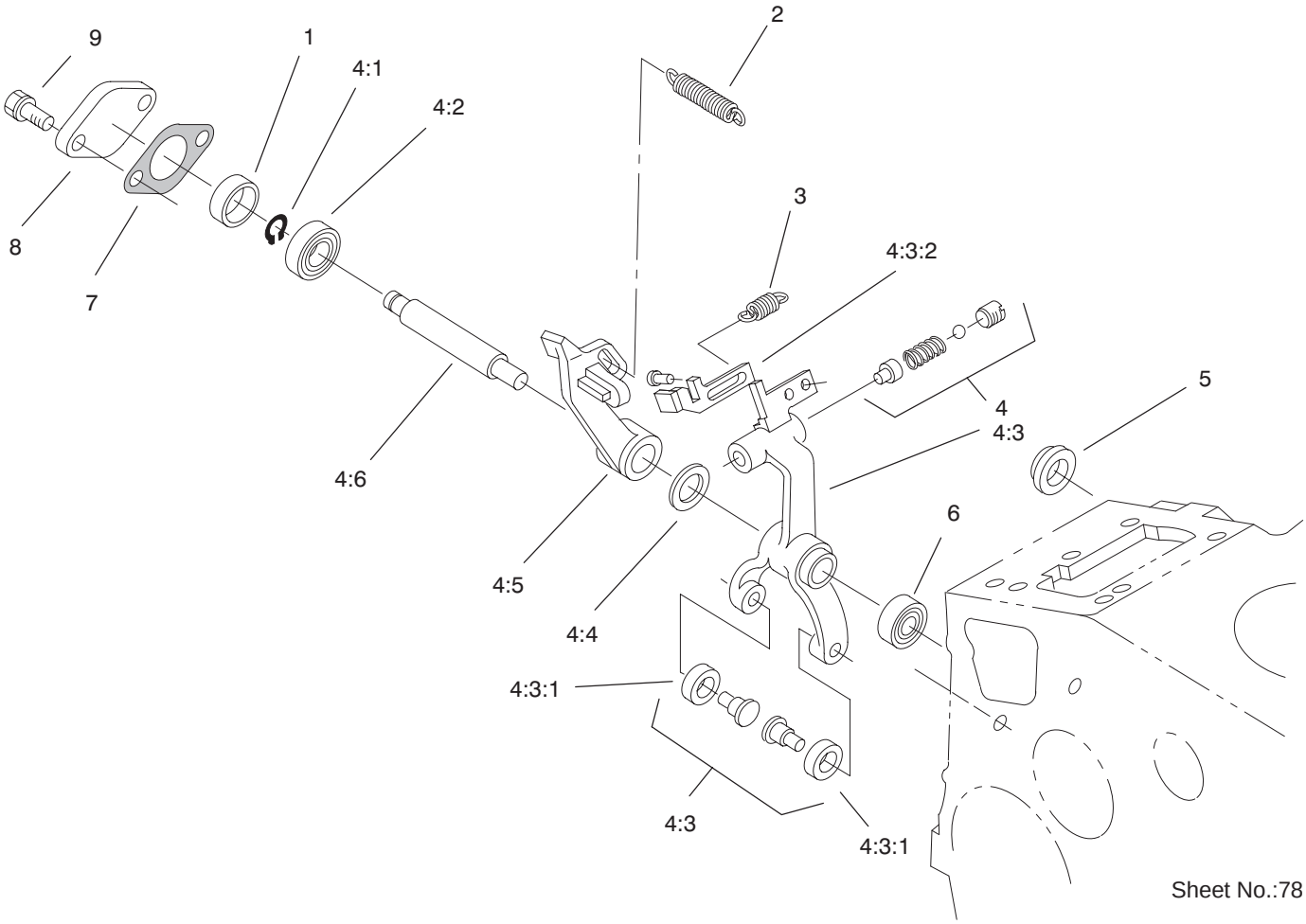
Sheet No.:A1
T–2920

Injection Pump Assembly No. 98–9643

Ref. No.	Part No.	Qty.	Description
1	98–9462	3	Element–Pump
2	98–9423	6	O–Ring
3	98–9443	3	Pin–Joint
4	98–9434	3	Flange–Sleeve
5	98–9421	3	Valve–Delivery
6	98–9424	3	Spring–Valve, Delivery
7	98–9425	3	Gasket–Valve, Delivery
8	98–9447	3	O–Ring
9	98–9652	3	Holder–Valve, Delivery
10	98–9452	6	Screw
11	98–9422	3	Tappet ASM
12	98–9433	3	Shim
13	98–9429	3	Seat–Spring, Lower
14	98–9428	3	Spring–Plunger
15	98–9427	3	Seat–Spring, Upper
16	98–9432	3	Sleeve–Control
17	98–9466	1	Plug
18	98–9451	1	Gasket
19	98–9445	1	Gasket
20	98–9464	1	Bolt–Joint
21	98–9446	1	Gasket
22	98–9430	1	Screw
23	98–9463	1	Control–Rack
24	98–9465	1	Plate
25	98–9442	4	Screw

Ref. No.	Part No.	Qty.	Description
26	98–9426	3	Pin–Guide, Tappet
27	98–9450	1	Pin–Clamp

PROTOTYPE



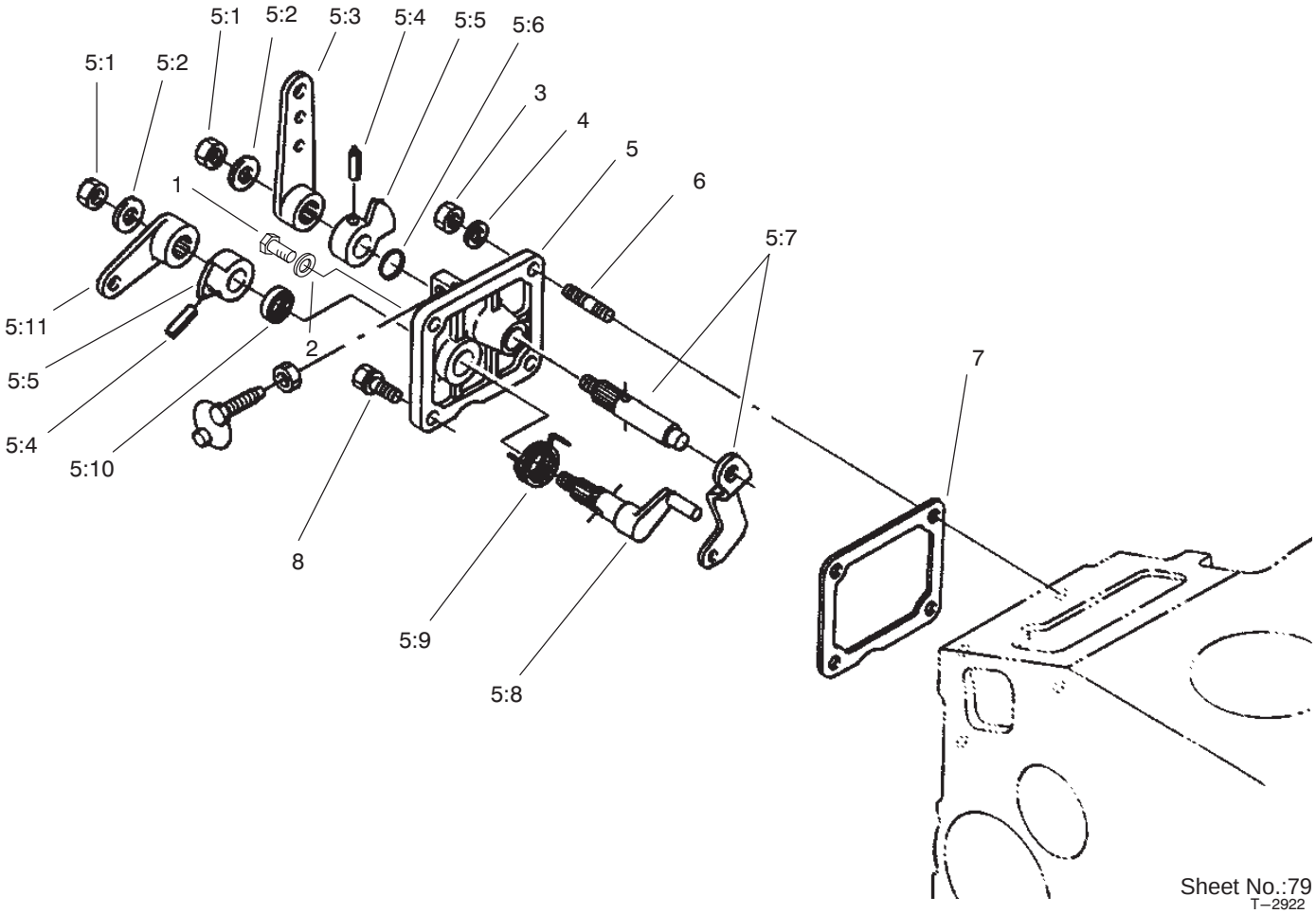
Sheet No.:78

Governor Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9567	1	Collar
2	98–9681	1	Spring–Governor
3	98–9645	1	Spring–Start
4	98–9680	1	Fork Lever ASM
4:1	98–9369	1	Clip–Circular, External
4:2	98–9570	1	Bearing–Miniaturize
4:3	99–8380	1	Fork Lever ASM
4:3:1	98–9692	2	Roller
4:3:2	98–9660	1	Lever–Thrust
4:4	98–9593	1	Washer–Plain
4:5	98–9659	1	Lever–Fork
4:6	98–9566	1	Shaft–Lever, Fork
5	98–9568	1	Collar
6	98–9571	1	Bearing–Miniaturize
7	98–9682	1	Gasket
8	98–9569	1	Cover–Shaft, Fork Lever
9	98–9351	2	Bolt

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



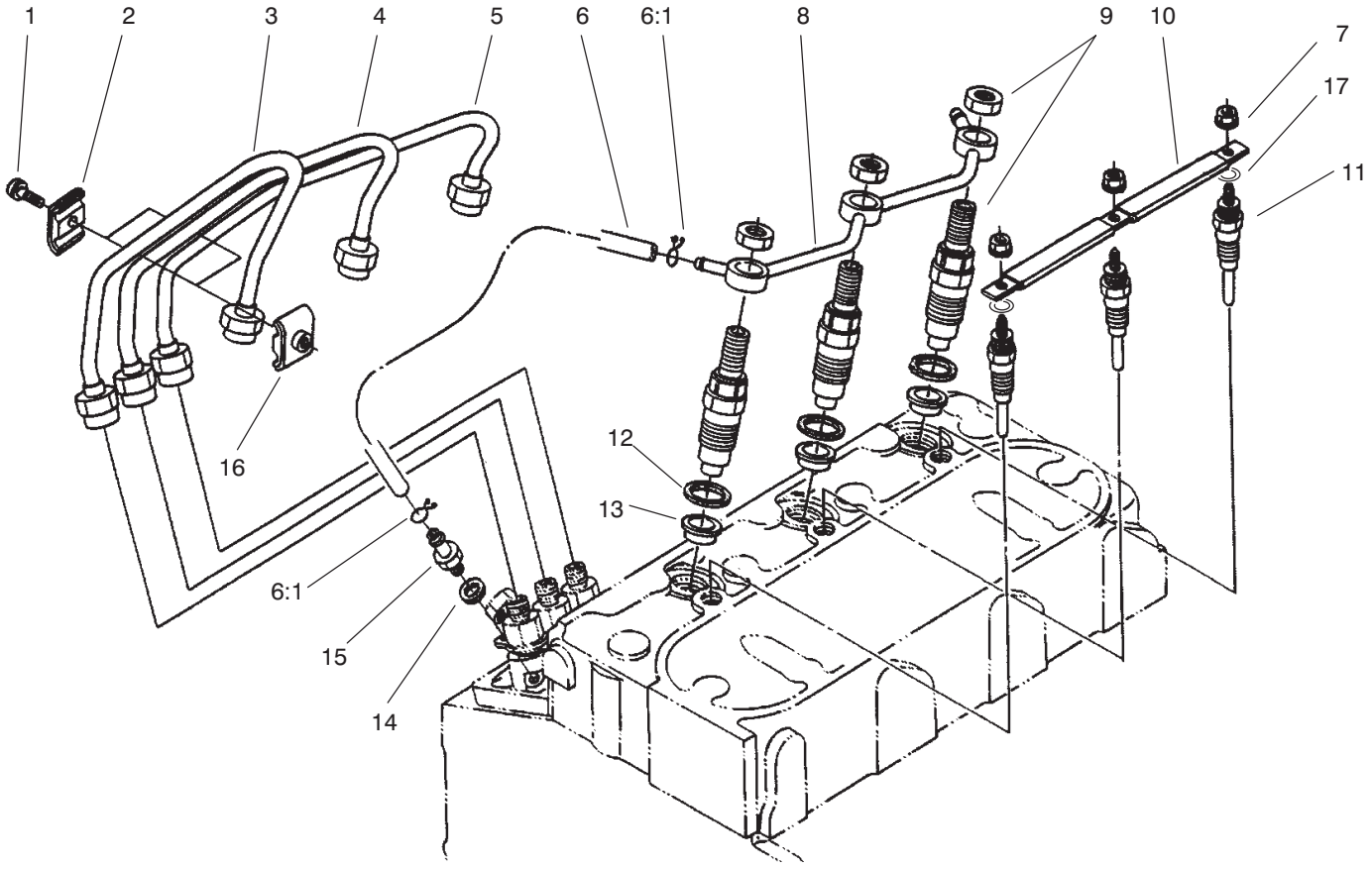
Sheet No.:79
T–2922

Speed Control Plate Assembly

Ref. No.	Part No.	Qty.	Description
1	99–8348	1	Bolt
2	98–7654	1	Gasket
3	98–7572	2	Nut
4	98–9367	2	Washer–Spring
5	98–9661	1	Control Plate ASM
5:1	98–9589	2	Nut
5:2	98–9594	2	Washer–Plain
5:3	98–9662	1	Lever–Control, Speed
5:4	98–7602	2	Pin–Spring
5:5	98–9572	2	Lever–Control, Speed
5:6	98–9371	1	O–Ring
5:7	98–9658	1	Governor Lever ASM
5:8	98–9664	1	Shaft–Lever, Stop
5:9	98–9472	1	Spring–Return
5:10	98–7601	1	Seal–Oil
5:11	98–9663	1	Lever–Stop, Engine
6	98–9362	2	Stud
7	98–9637	1	Gasket
8	98–7692	1	Bolt

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



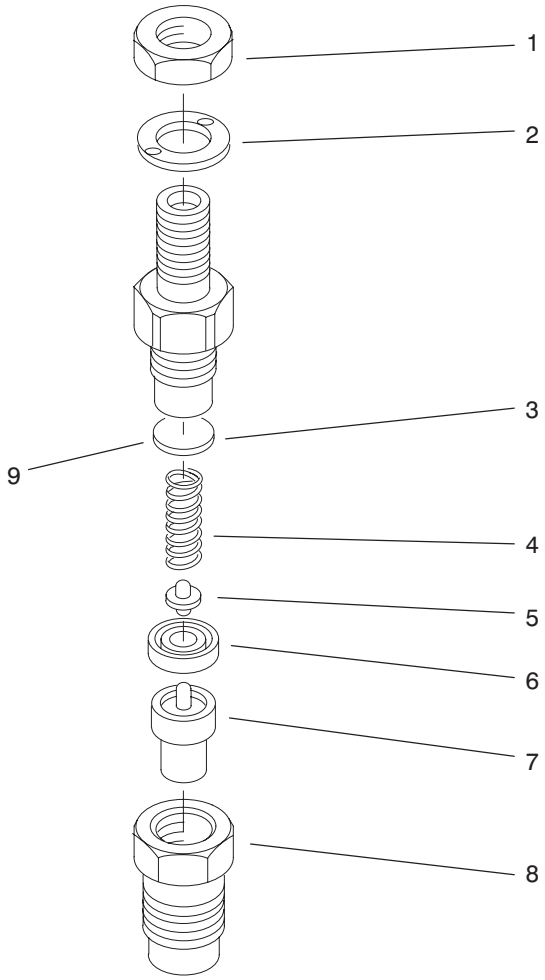
Sheet No.:80

Nozzle Holder and Glow Plug Assembly

Ref. No.	Part No.	Qty.	Description
1	98–7684	2	Screw–W/Washer
2	98–7683	2	Clamp–Pipe
3	98–9622	1	Pipe–Injection
4	98–9654	1	Pipe–Injection
5	98–9655	1	Pipe–Injection
6	98–9624	1	Overflow Pipe ASM
6:1	98–7671	2	Clip–Pipe
7	99–8377	3	Nut–Flange
8	98–9621	1	Overflow Pipe ASM
9	98–9468	3	Nozzle Holder ASM
10	98–9631	1	Cord–Plug, Glow
11	98–9623	3	Plug–Glow
12	98–7676	3	Gasket
13	98–7677	3	Seal
14	98–7654	1	Gasket
15	98–9431	1	Screw–Bleeder
16	98–7682	2	Clamp–Pipe
17	99–8378	3	Washer–Plain

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

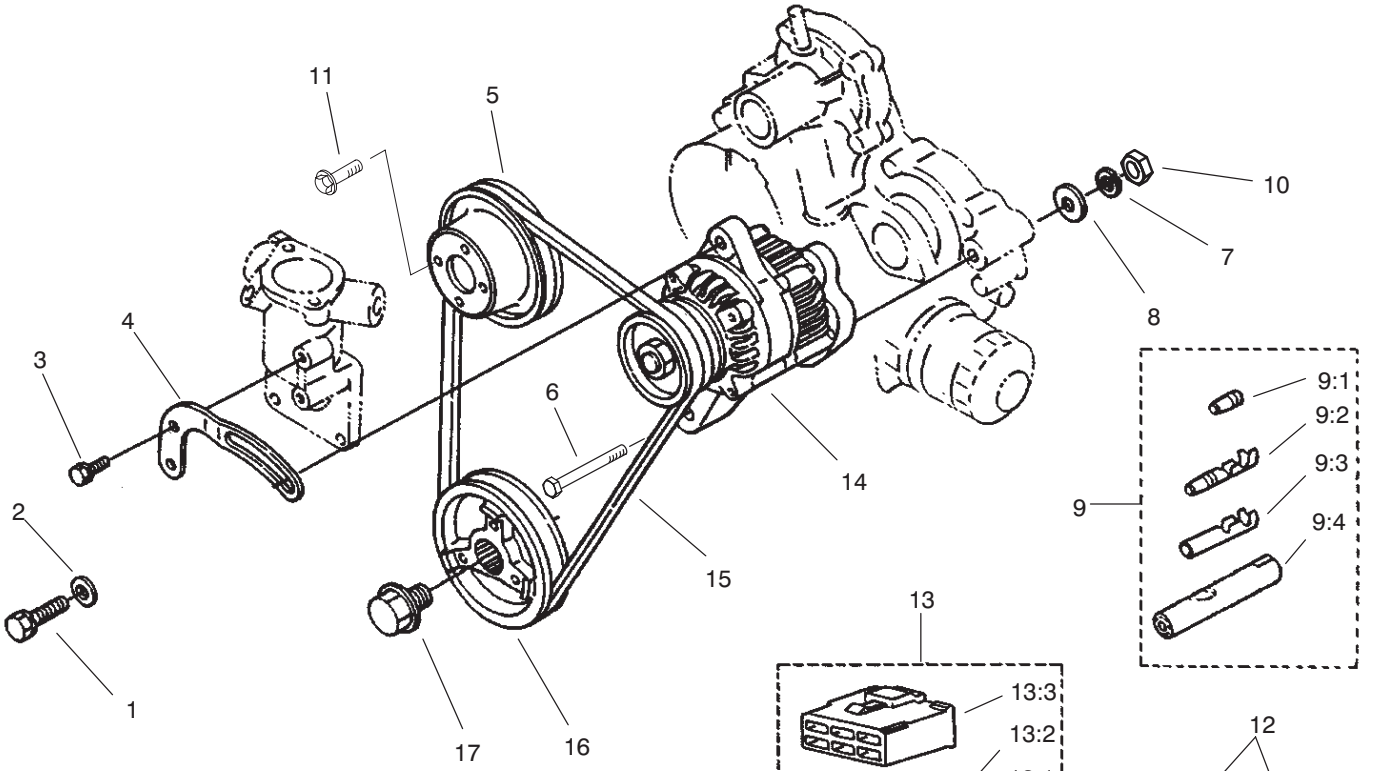


Sheet No.:A2

Nozzle Holder Assembly 98–9468

Ref. No.	Part No.	Qty.	Description
1	99–8301	3	Nut
2	99–8307	3	Washer–Plain
3	99–8302	3	Washer–Adjusting
4	99–8303	3	Spring–Nozzle
5	99–8305	3	Rod–Push
6	99–8304	3	Spacer–Distance
7	99–8308	3	Piece–Nozzle
8	99–8306	3	Nut–Nozzle
9	99–8317	3	Washer–Adjust (0.56mm)
9	99–8318	3	Washer–Adjust (0.58mm)
9	99–8319	3	Washer–Adjust (0.80mm)
9	99–8312	3	Washer–Adjust (0.30mm)
9	99–8311	3	Washer–Adjust (0.20mm)
9	99–8316	3	Washer–Adjust (0.54mm)
9	99–8310	3	Washer–Adjust (0.10mm)
9	99–8309	3	Adjusting Washer ASM
9	99–8315	3	Washer–Adjust (0.52mm)
9	99–8314	3	Washer–Adjust (0.50mm)
9	99–8313	3	Washer–Adjust (0.40mm)

PROTOTYPE



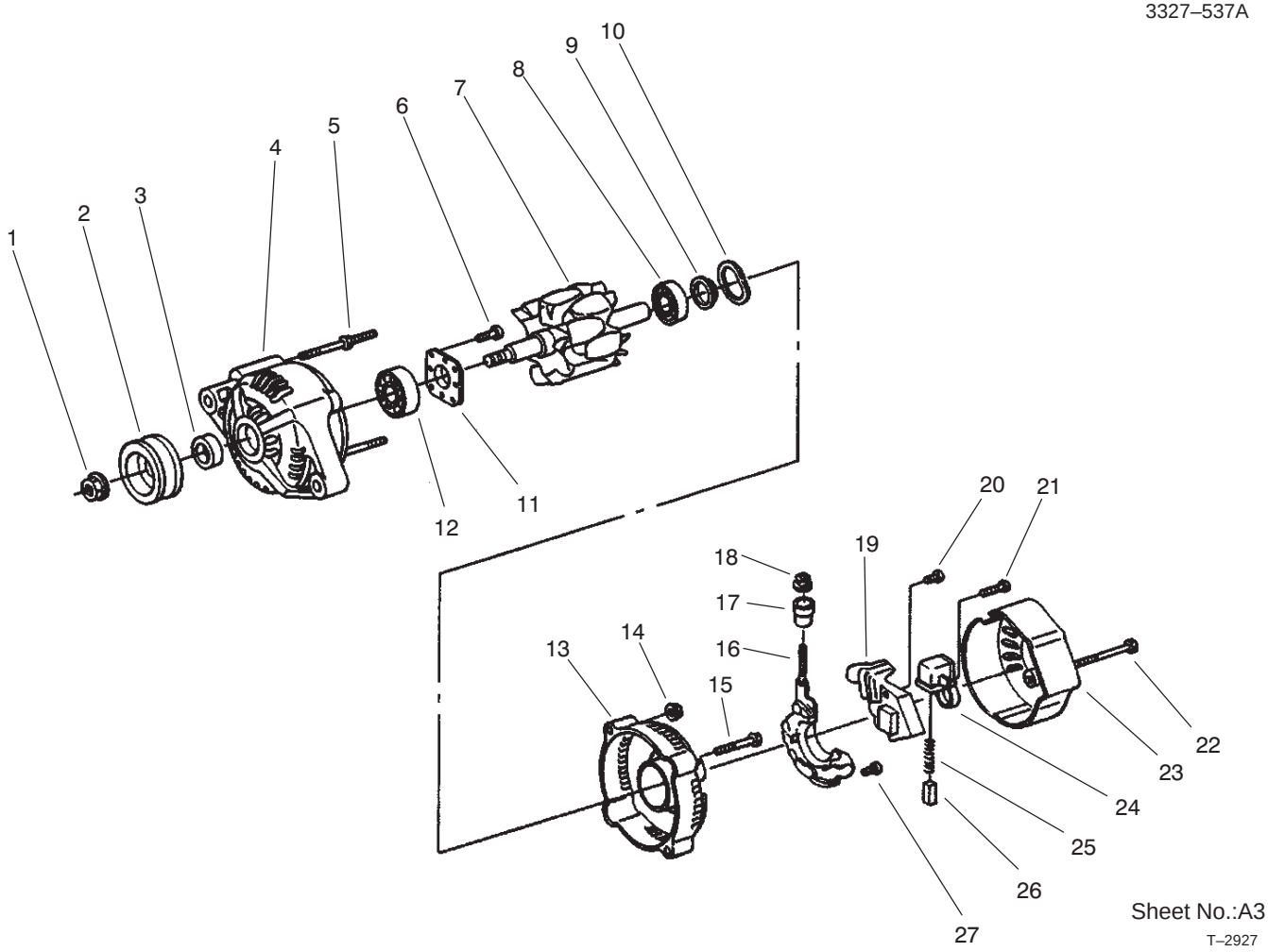
Sheet No.:81
T–2926–1

Alternator and Pulley Assembly

Ref. No.	Part No.	Qty.	Description
1	98–7697	1	Bolt
2	98–7698	1	Washer–Plain
3	98–7692	1	Bolt
4	98–9573	1	Stay–Dynamo
5	98–9584	1	Pulley–Fan
6	98–9360	1	Bolt
7	98–9368	1	Washer–Spring
8	98–9366	1	Washer–Plain
9	98–9700	1	Terminal ASM
9:1	98–9701	1	Terminal
9:2	98–9702	1	Sleeve
9:3	98–9703	1	Terminal
9:4	98–9704	1	Sleeve
10	98–7737	1	Nut
11	99–8363	4	Bolt–Flange
12	98–9602	1	Lock Coupler ASM
13	98–9696	1	Coupler ASM
13:1	98–9699	7	Terminal
13:2	98–9698	1	Connector
13:3	98–9697	1	Connector
14	98–9474	1	Alternator ASM
15	98–9676	1	V–Belt
16	104–1247	1	Pulley–Fan Drive
17	98–9585	1	Bolt

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



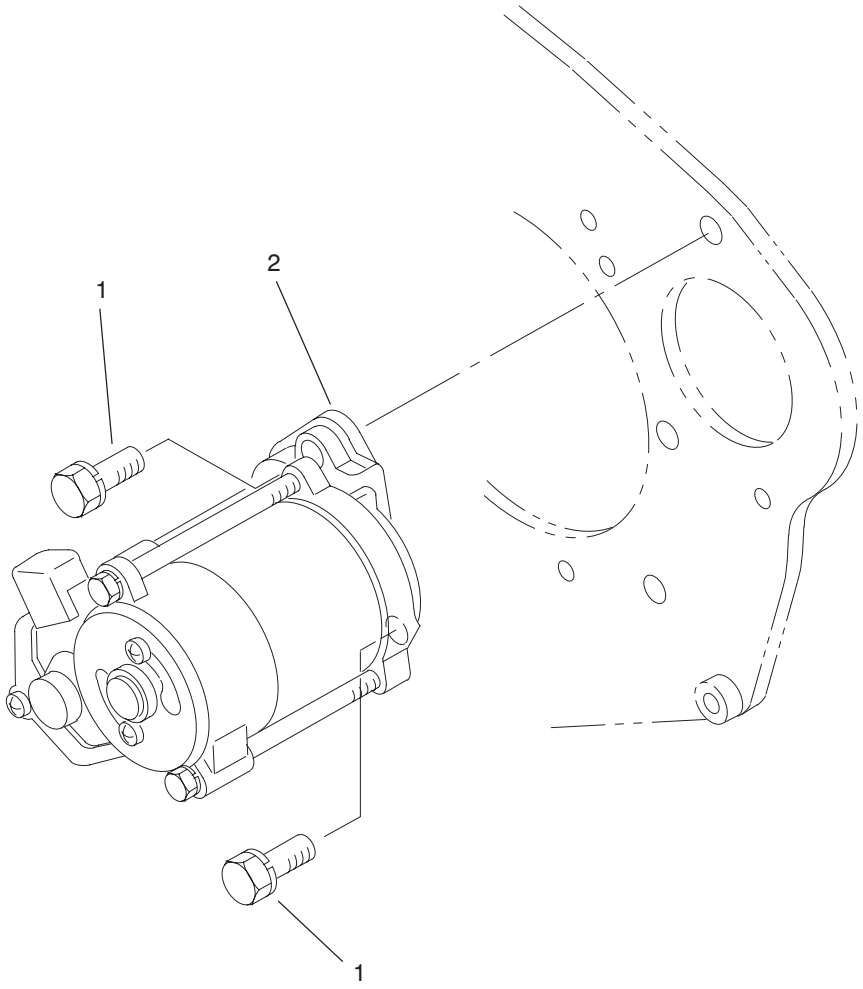
Sheet No.:A3
T–2927

Alternator Assembly No. 98–9474

Ref. No.	Part No.	Qty.	Description
1	98–7708	1	Nut
2	98–9453	1	Pulley–Dynamo
3	98–7709	1	Collar
4	98–7714	1	Frame–End, Drive
5	98–7717	2	Bolt–Through
6	98–7716	4	Screw–Head, Round
7	98–7710	1	Rotor
8	98–7712	1	Bearing–Ball
9	98–7711	1	Cover–Bearing
10	98–7713	1	Washer–Thrust
11	98–7715	1	Plate–Retainer
12	98–7718	1	Bearing–Ball
13	98–7719	1	Frame–End
14	98–7730	2	Nut
15	98–7731	2	Bolt
16	98–7721	1	Rectifier ASM
17	98–7722	1	Bushing–Insulation
18	98–7732	1	Nut
19	98–7733	1	Regulator ASM
20	98–7726	2	Screw–Head, Round
21	98–7728	1	Screw–Head, Round
22	98–7729	3	Bolt
23	98–7720	1	Cover–End
24	98–7723	1	Holder–Brush
25	98–7725	2	Spring–Brush

Ref. No.	Part No.	Qty.	Description
26	98–7724	2	Brush
27	98–7727	6	Screw–Head, Round

PROTOTYPE



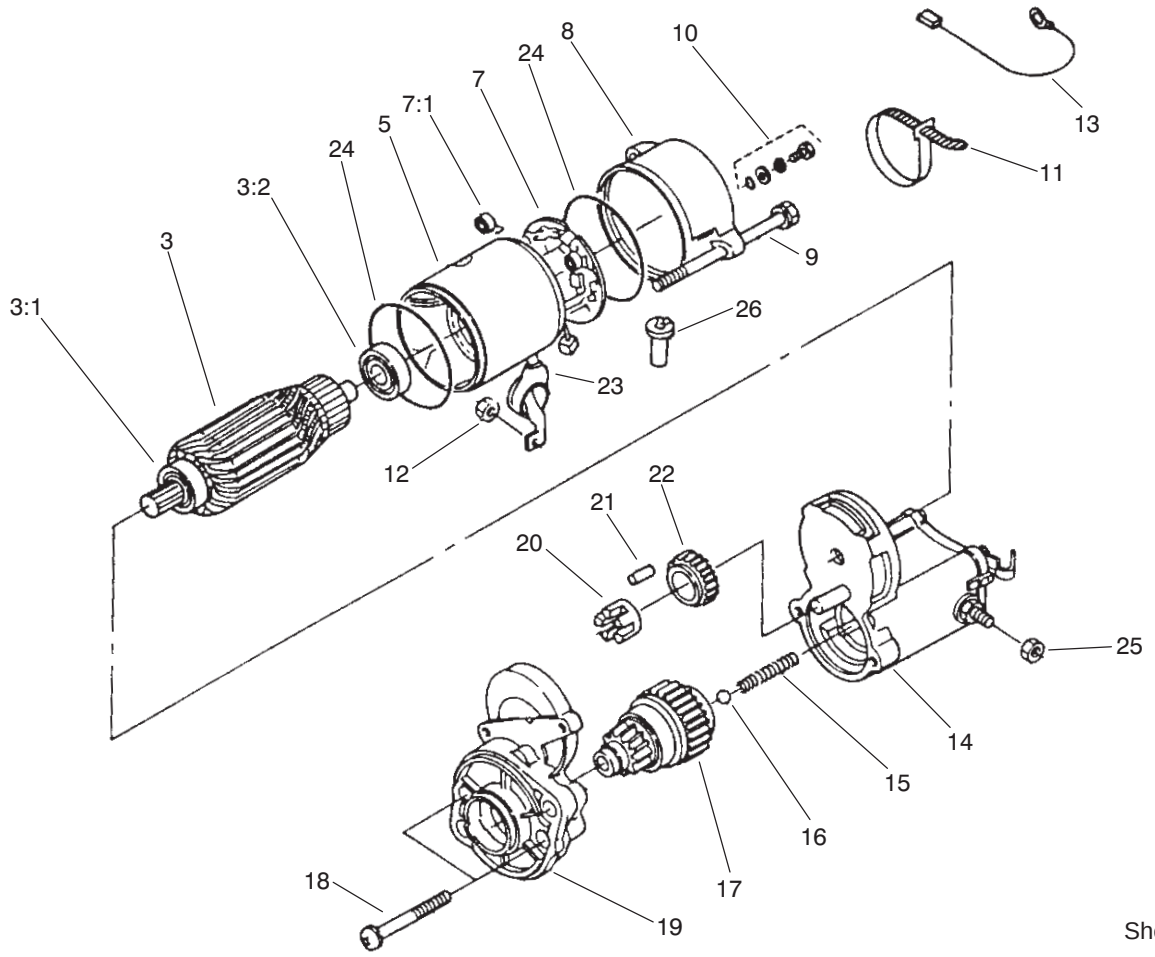
Sheet No.:82
T–2928

Starter Mount Assembly

Ref. No.	Part No.	Qty.	Description
1	98–7697	2	Bolt
2	98–9705	1	Starter ASM

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



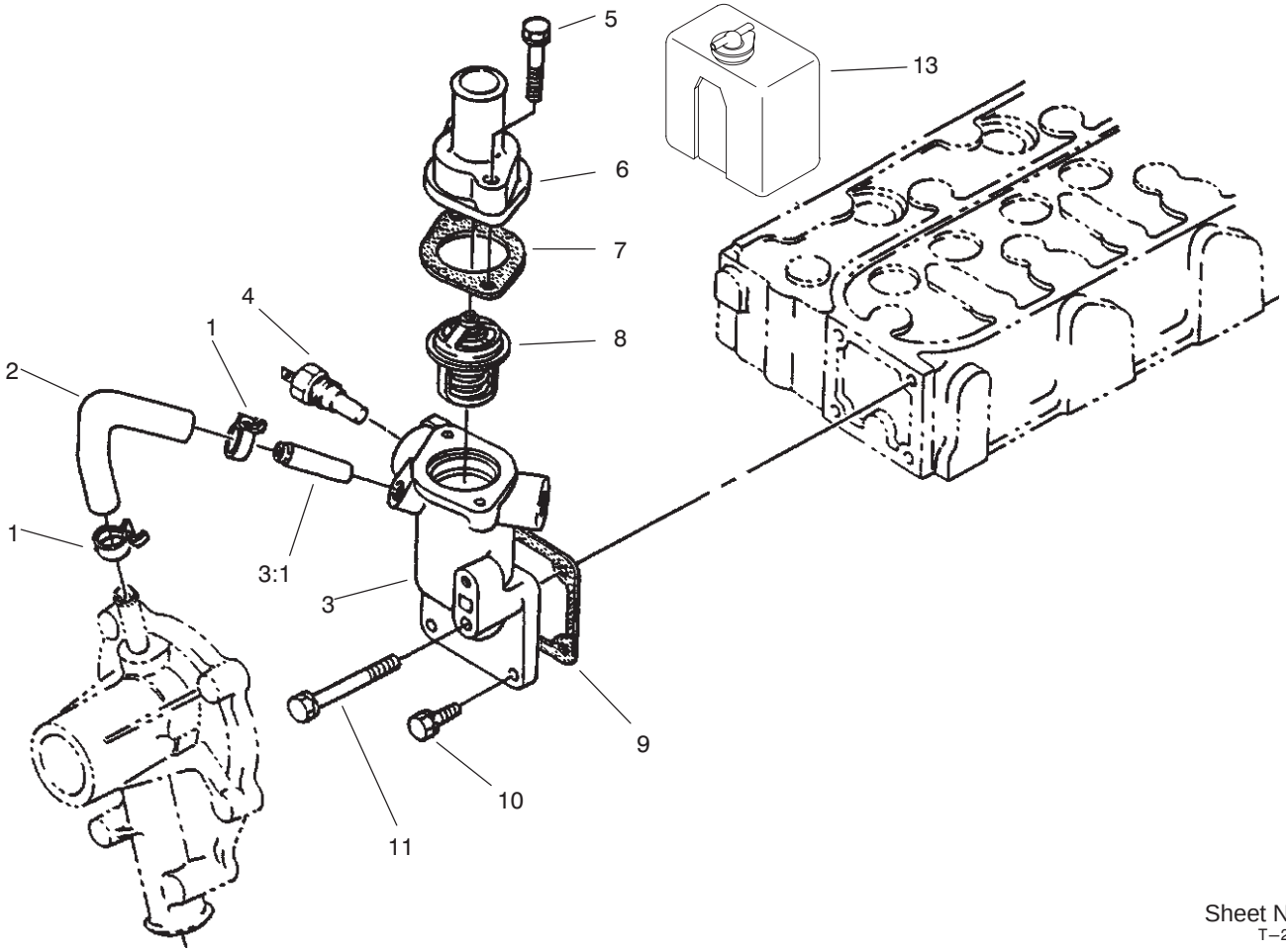
Sheet No.:A4

Starter Assembly No. 98–9705

Ref. No.	Part No.	Qty.	Description
3	98–7742	1	Armature ASM
3:1	98–7743	1	Bearing
3:2	98–7744	1	Bearing
5	98–7741	1	Yoke ASM
7	98–7749	1	Brush Holder ASM
7:1	98–7750	4	Spring–Brush
8	99–8370	1	Frame–End
9	98–9549	2	Bolt
10	98–7758	2	Bolt ASM
11	98–9712	1	Band–Cover
12	99–8371	1	Nut–Hex
13	98–9711	1	Cord–Solenoid, Stop
14	99–8372	1	Magnetic Switch ASM
15	98–7754	1	Spring
16	98–7755	1	Ball
17	99–8373	1	Clutch–Running, Over
18	98–7756	2	Bolt
19	99–8374	1	Frame–End, Drive
20	98–7752	1	Retainer
21	98–7753	5	Roller
22	98–7751	1	Gear
23	99–8375	1	Cover
24	98–7757	2	O–Ring
25	99–8376	1	Nut–Hex
26	98–7759	1	Pipe–Drain

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



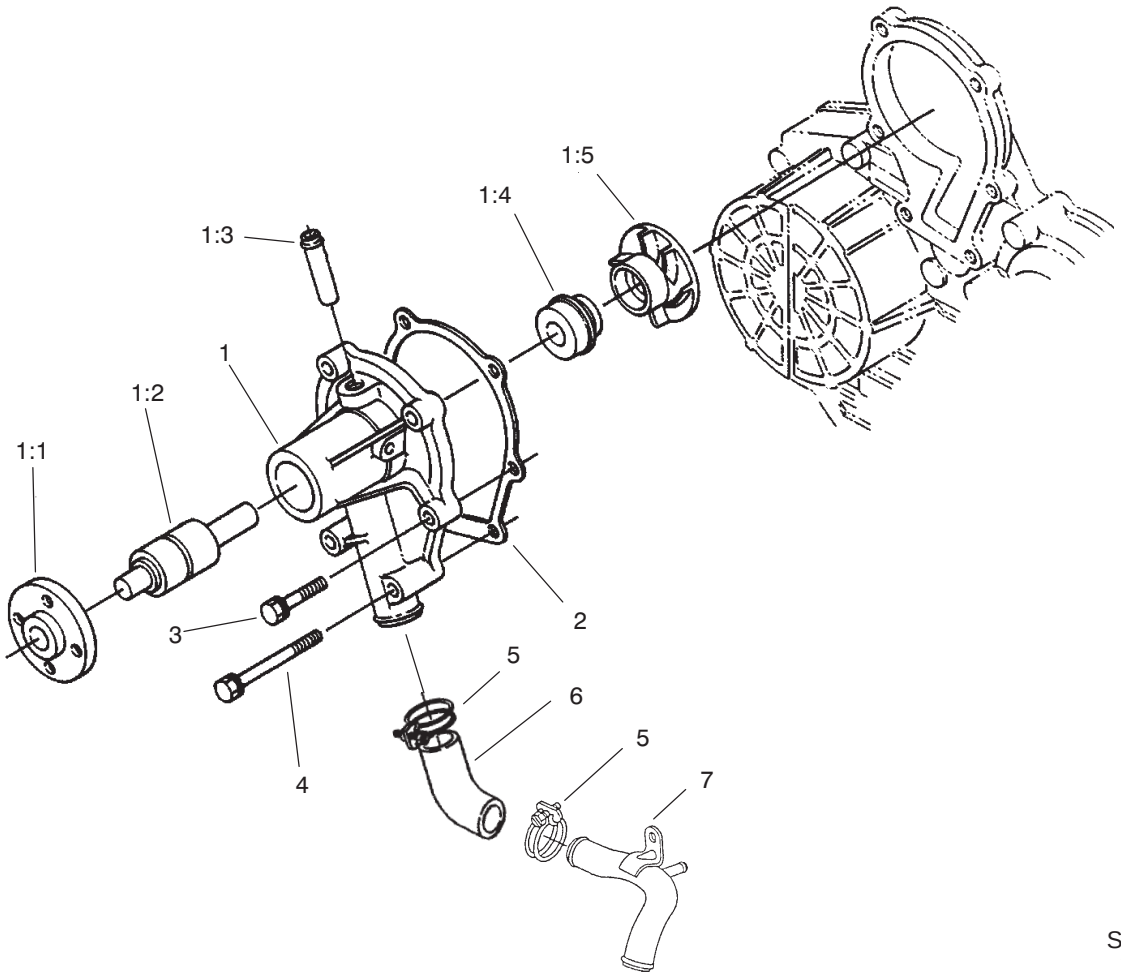
Sheet No.:83
T–2930

Water Flange and Thermostat Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9579	2	Band–Pipe
2	98–9578	1	Pipe–Return, Water
3	98–9713	1	Water Flange ASM
3:1	98–9580	1	Pipe–Return, Water
4	98–9719	1	Thermoswitch
5	98–7777	2	Bolt
6	98–9471	1	Cover–Thermostat
7	98–7776	1	Gasket
8	98–7778	1	Thermostat ASM
9	98–9638	1	Gasket–Flange, Water
10	98–7692	3	Bolt
11	98–9356	1	Bolt
13	104–9318	1	Bottle–Overflow, Water

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



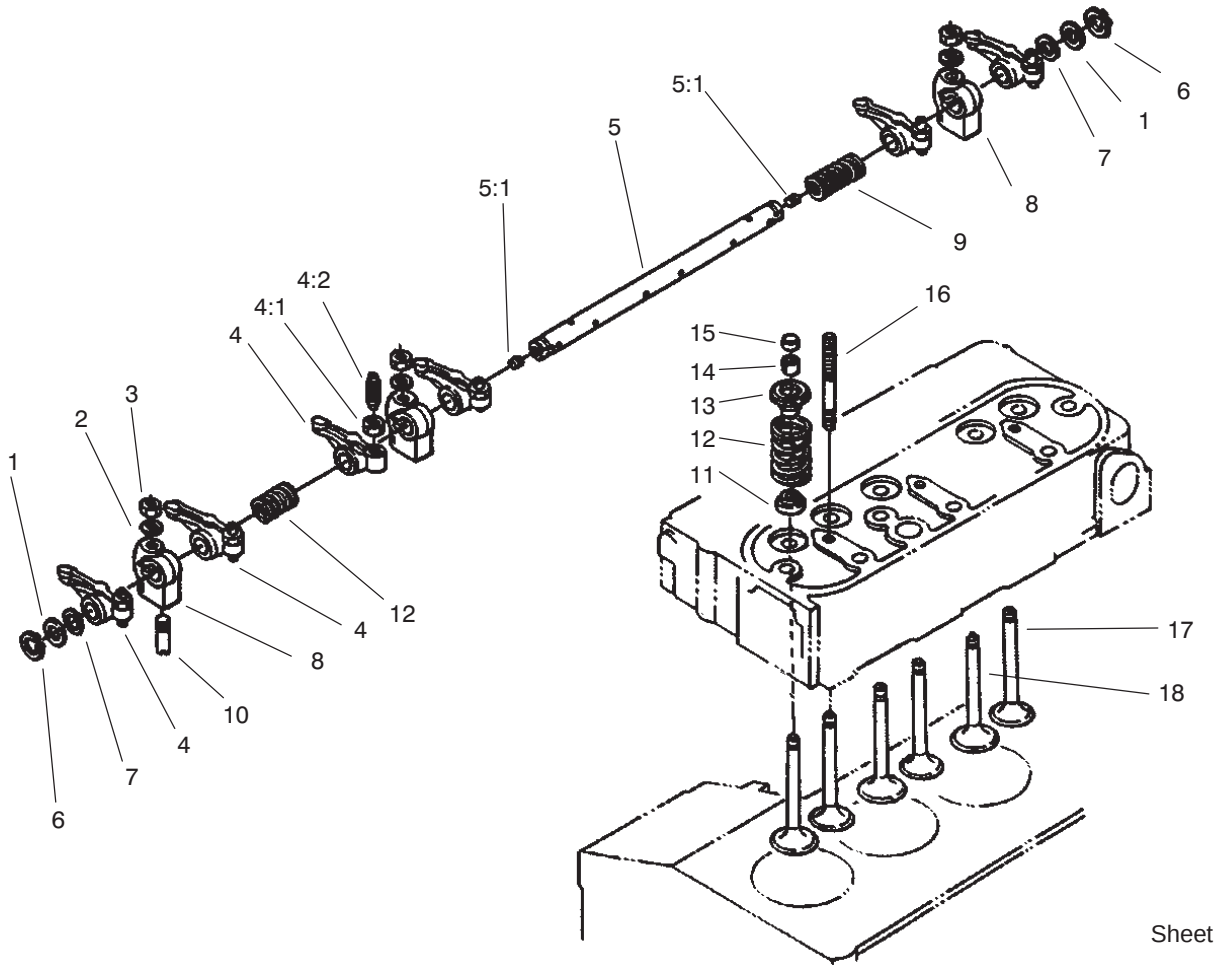
Sheet No.:84
T–2931

Water Pump Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9575	1	Water Pump ASM
1:1	98–9582	1	Flange–Pump, Water
1:2	98–9583	1	Bearing
1:3	98–9577	1	Pipe–Return, Water
1:4	98–9576	1	Mechanical Seal ASM
1:5	98–9581	1	Impeller–Pump, Water
2	98–9632	1	Gasket, Water Pump
3	98–9353	1	Bolt
4	98–9357	4	Bolt
5	98–9717	2	Clamp
6	98–9574	1	Pipe–Water
7	99–8379	1	Pipe–Water

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



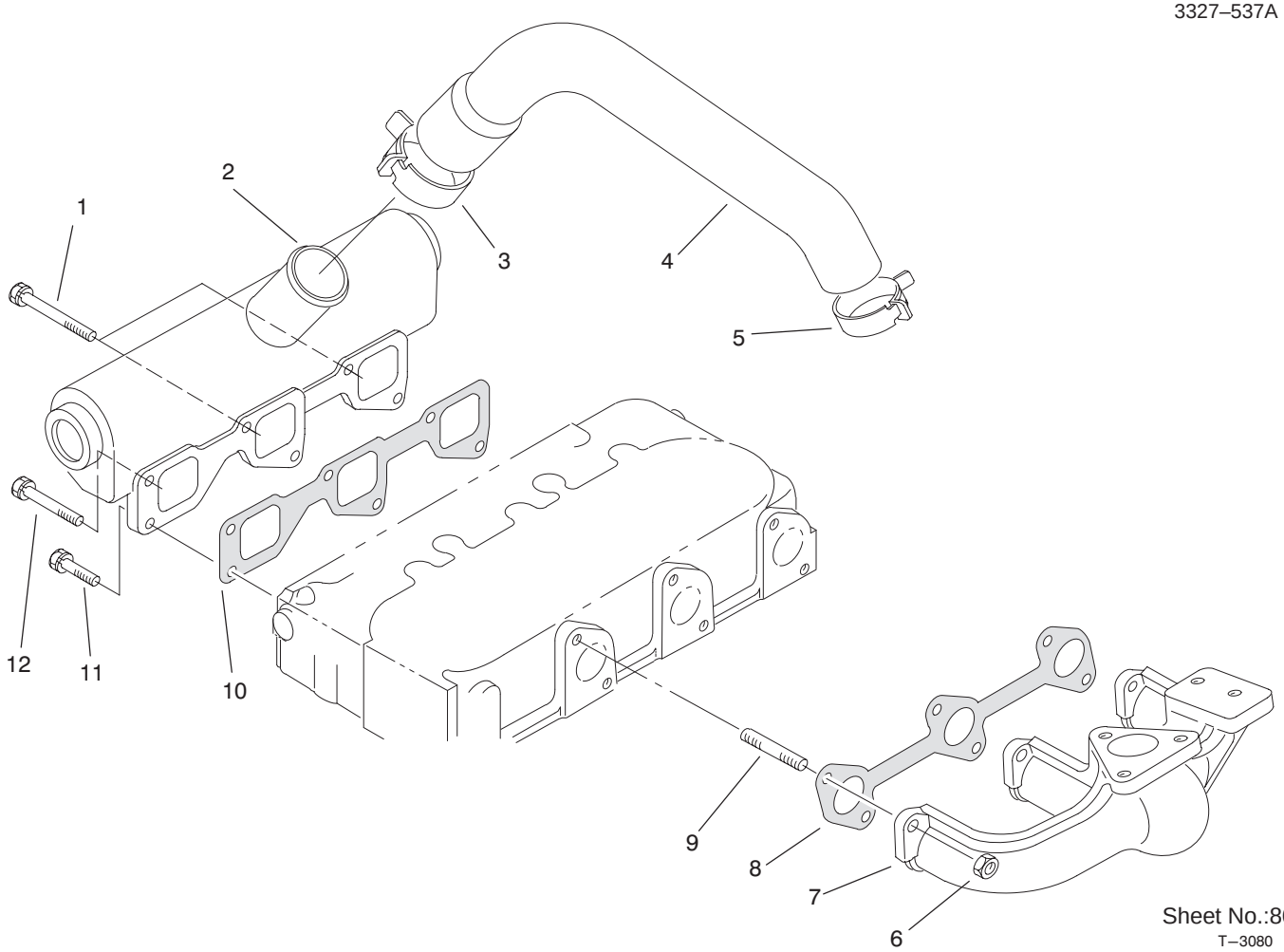
Sheet No.:85
T–2932

Valve and Rocker Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9508	2	Washer–Shaft, R–Arm
2	98–9385	3	Washer–Flat
3	98–9393	3	Nut
4	98–9501	6	Rocker Arm ASM
4:1	98–9503	6	Nut
4:2	98–9502	6	Screw–Adjusting
5	98–9612	1	R–Arm Shaft ASM
5:1	98–9365	2	Screw–Set
6	98–9370	2	Clip–Circular, External
7	98–9507	2	Washer–Shaft, R–Arm
8	98–9505	3	Bracket–Arm, Rocker
9	98–9504	2	Spring–Arm, Rocker
10	98–9391	1	Screw–Set, Rocker Arm
11	98–9496	6	Seal–Stem, Valve
12	98–9626	6	Spring–Valve
13	98–9498	6	Retainer–Valve
14	98–9390	6	Collet–Set, Valve Spring
15	98–9497	6	Cap–Valve
16	98–9506	3	Stud
17	98–9625	3	Valve–Exhaust
18	98–9494	3	Valve–Inlet

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



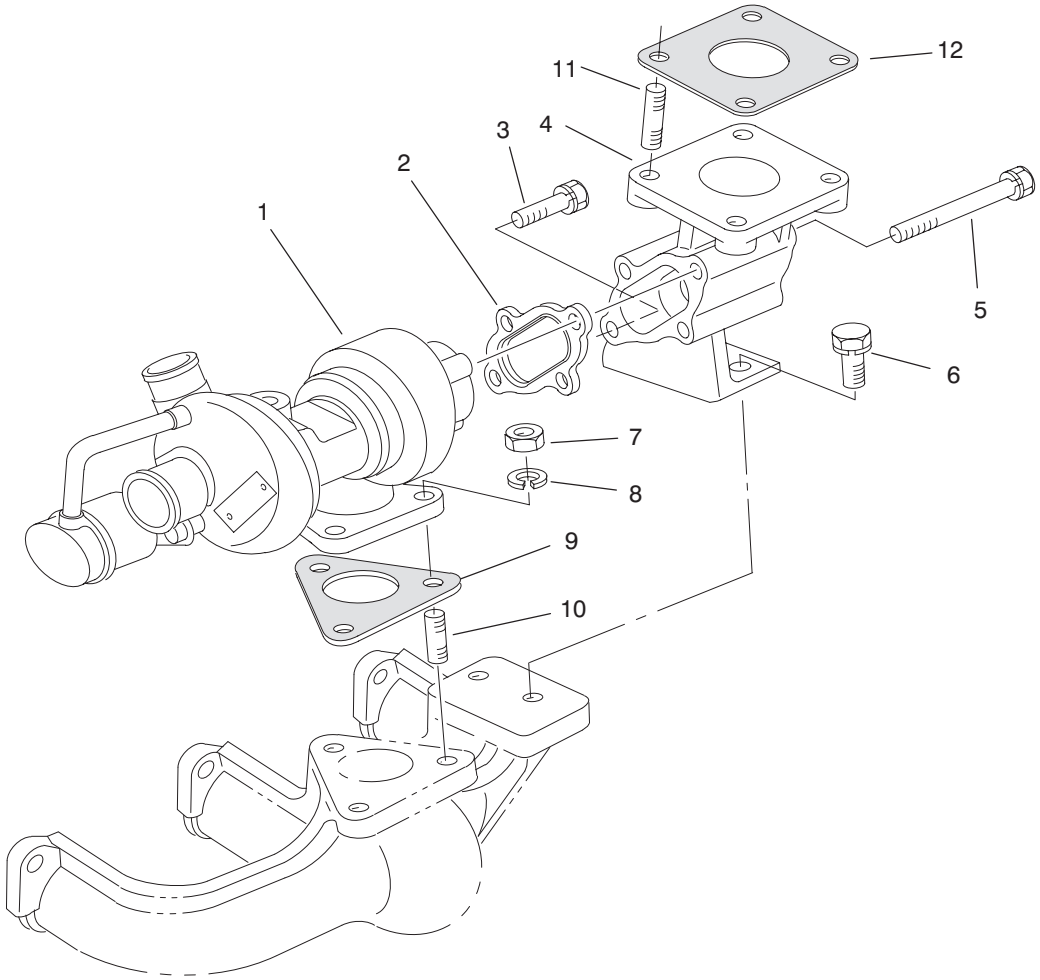
Sheet No.:86
T–3080

Exhaust Manifold and Gasket Assembly

Ref. No.	Part No.	Qty.	Description
1	99–8320	2	Bolt
2	99–8321	1	Manifold–Inlet
3	99–8322	1	Band–Pipe
4	99–8323	1	Hose–Inlet
5	99–8324	1	Band–Pipe
6	98–9665	6	Nut
7	99–8326	1	Manifold–Exhaust
8	99–8327	1	Gasket–Manifold, Exhaust
9	98–9588	6	Stud
10	99–8329	1	Gasket–Manifold, Intake
11	98–7568	3	Bolt
12	98–7496	1	Bolt

Ref. No.	Part No.	Qty.	Description

PROTOTYPE



Sheet No.:87
T–3078

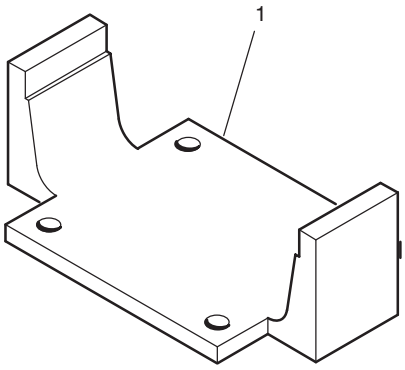
Exhaust Manifold and Gasket Assembly

Ref. No.	Part No.	Qty.	Description
1	99–8332	1	Turbo Charger ASM
2	99–8333	1	Gasket
3	99–8334	1	Bolt
4	99–8335	1	Flange–Muffler
5	99–8336	3	Bolt
6	98–7610	2	Bolt
7	98–7534	3	Nut
8	99–8339	3	Washer–Spring
9	99–8340	1	Gasket
10	99–8341	3	Stud
11	99–8342	4	Stud
12	99–8343	1	Gasket–Muffler

Ref. No.	Part No.	Qty.	Description

PROTOTYPE

Special Tools
Axle Tool No. *TOR859920

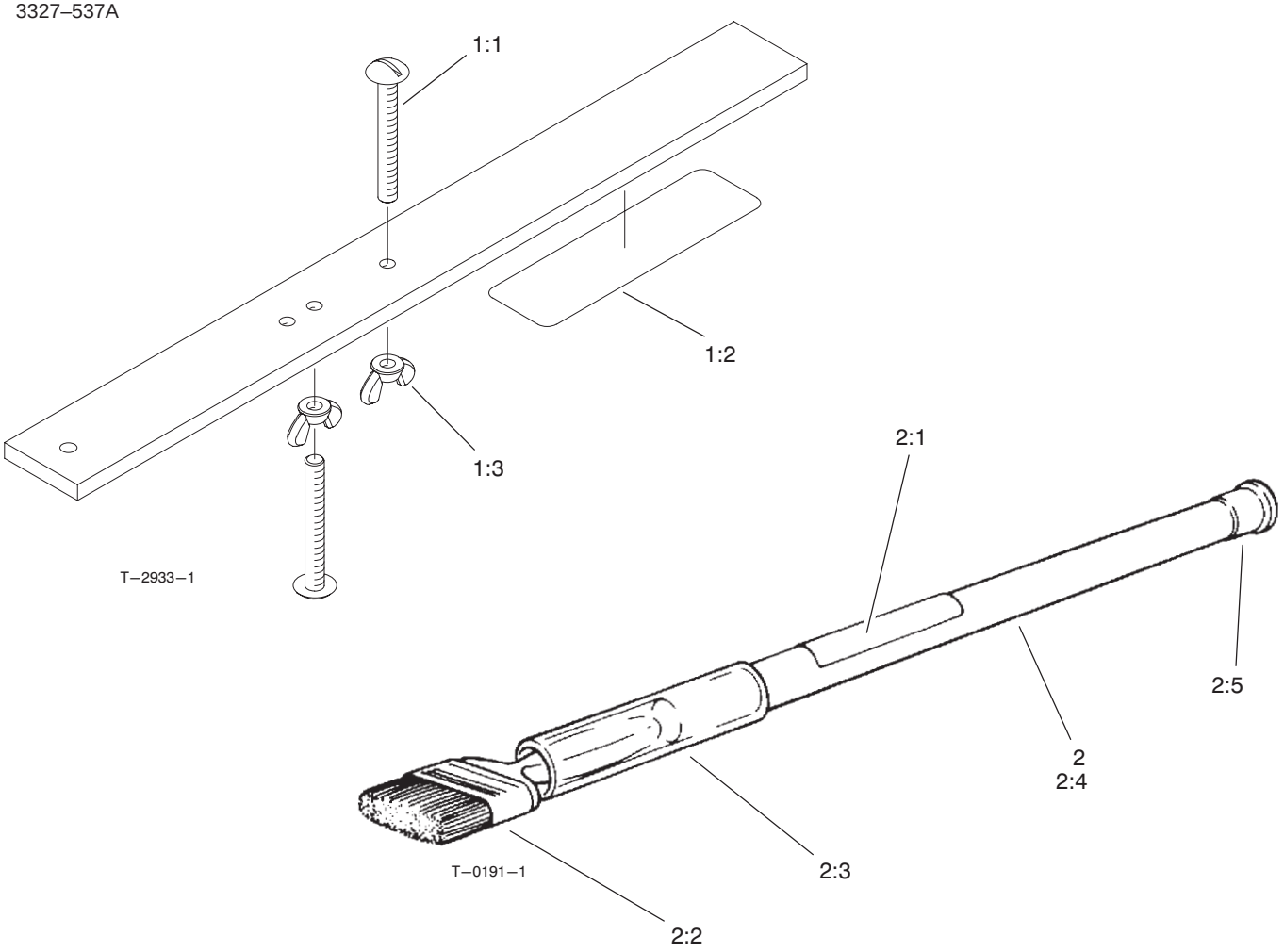


T–1325–1

Ref. No.	Part No.	Description	No. Used
1		Tool–Axle	1

PROTOTYPE

*Obtain these items directly from OTC 2013 4th St. Owatonna, MN. 55060 1–800–533–0492 (in Minnesota and Canada 1–507–455–7050) Fax. 507–455–7011.



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

PROTOTYPE

Maintenance Record

Date								

PROTOTYPE



PROTOTYPE