Form No. 3327–254

Reelmaster® 6500–D

2 and 4 Wheel Drive Traction Unit

Model No. 03806—220000001 and Up

Model No. 03807—220000001 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.

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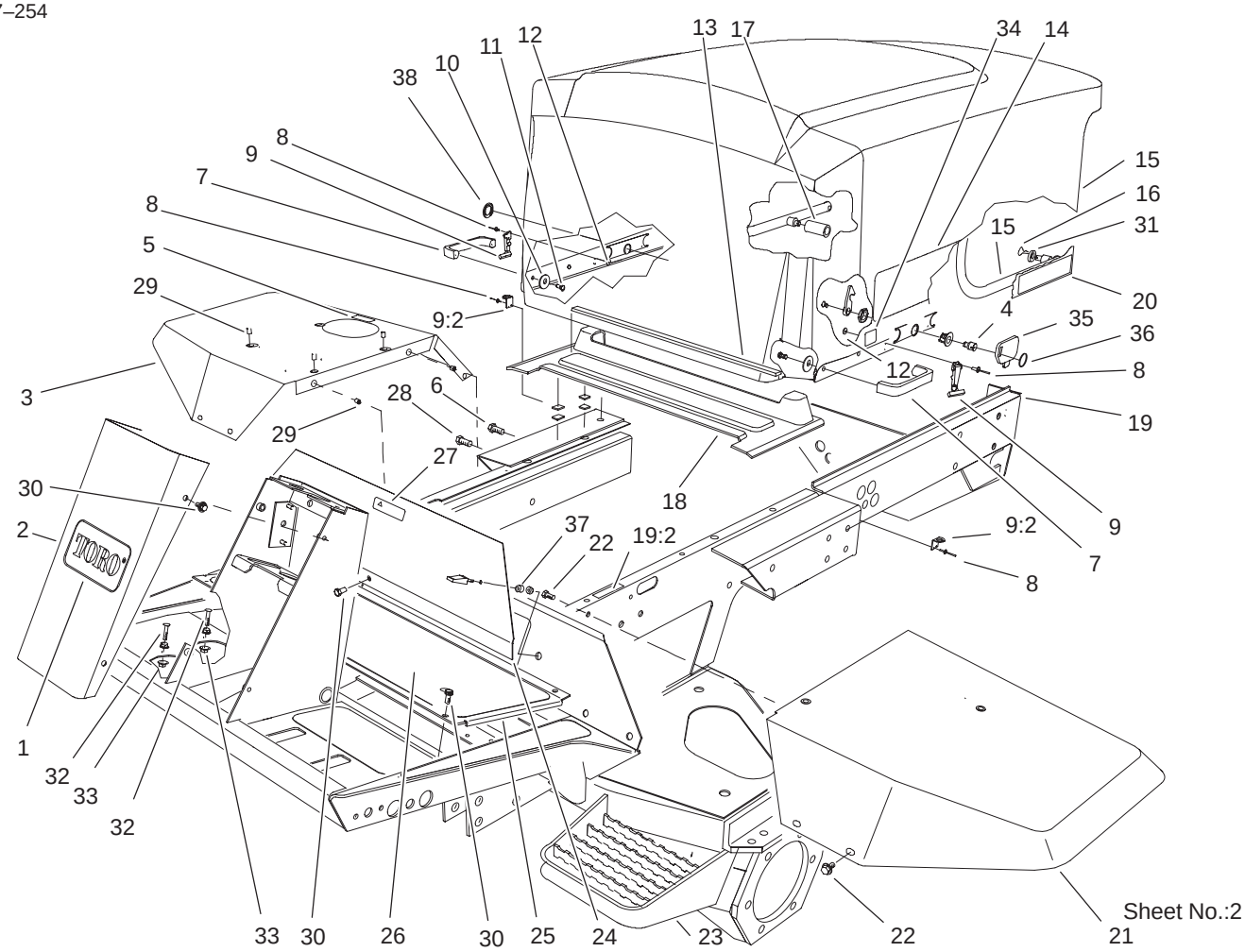
Accessories

Description	Model / Part No.
5 Blade Cutting Unit	03860
7 Blade Cutting Unit	03861
11 Blade Cutting Unit	03862
Dethatching Cutting Unit	03871
Gauge Bar Assembly	98–1852
Brush and Handle Assembly	29–9100
Muffler–Spark Arrestor	104–5201
Weight Kit	94–2836
Arm Rest Kit	30707
Roll–Over–Protection–System (ROPS)	92–7571
Turf Defender Kit (Leak Detector Kit)	03521

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

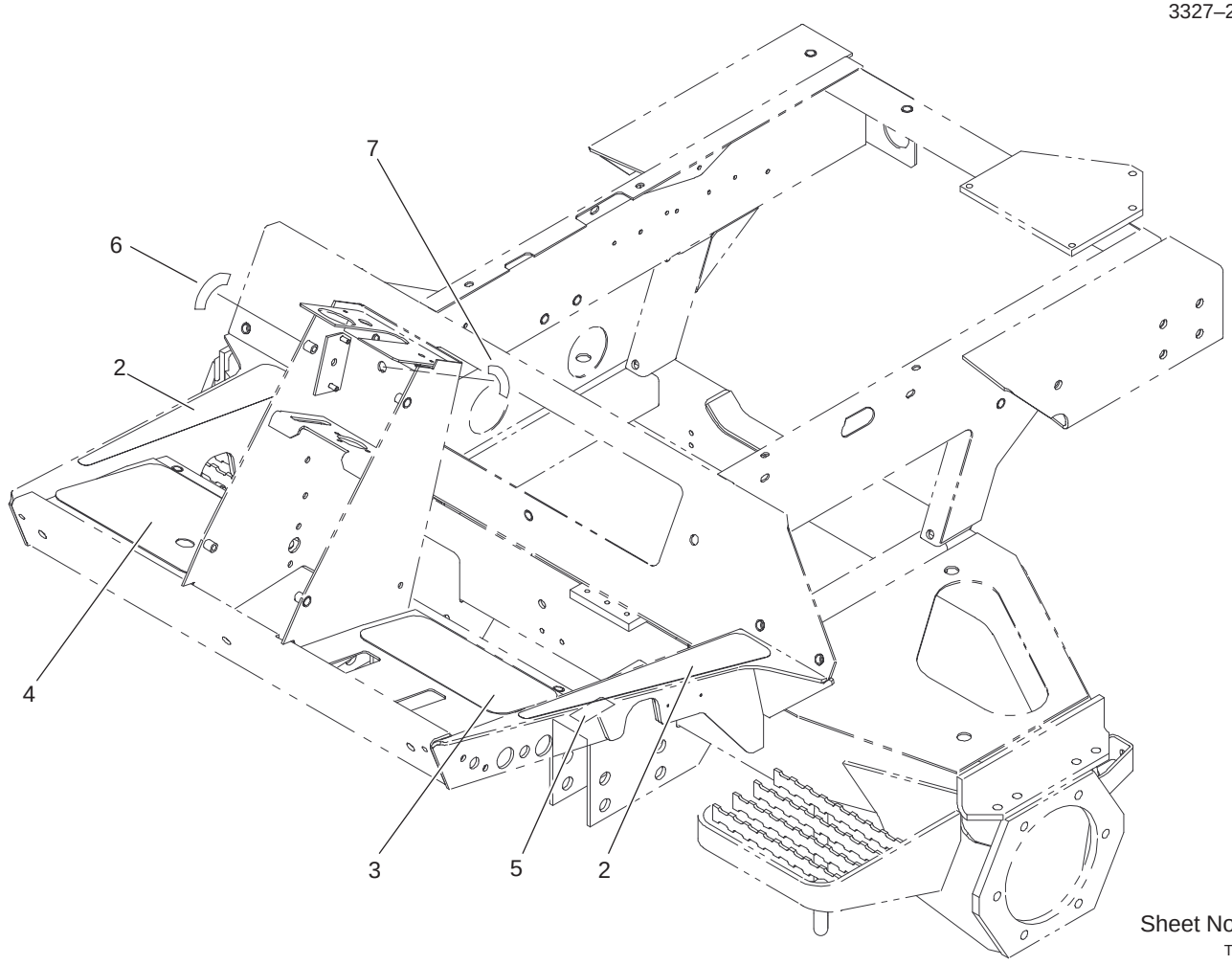
Abbreviation	Meaning
AR	as required
ASM	assembly
CARR	carriage
DEG	degrees
FH	flat head
GA	gauge
HF	hex flange
HH	hex head
HHF	hex head flange
HLH	hex lag head
HJ	hex jam
HOC	height-of-cut
HS	hex socket
HSBH	hex socket button head
HSFH	hex socket flat head
HSH	hex socket head
HWH	hex washer head
HWHTF	hex washer head thread forming
HYD	hydraulic
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



Frame and Body Assembly

Ref. No.	Part No.	Qty.	Description
1	62–5550	1	Decal–Toro
2	93–7996–01	1	Cover–Tower
3	94–3049–01	1	Fender–RH
4	105–3301	1	Latch
5	93–6686	1	Decal–Oil, Hyd
6	33106–035	8	Screw–HHF
7	65–5100	2	Handle–Door
8	3269–8	8	Rivet
9	59–9740	2	Flex Draw Latch ASM
9:2	249–40	1	Keeper
10	3256–78	4	Washer–Flat
11	46–8091	4	Screw–HWH
12	3269–10	4	Washer–Back
13	92–7633	1	Bumper–Hood
14	92–7532	2	Decal
15	105–0130	1	Hood
16	3290–467	2	Pin–Hair
17	93–7582	1	Hose
18	94–2617	1	Pump Cover ASM
19	105–0116	1	Rear Frame ASM
19:2	93–1265	1	Decal–Surface, Hot
20	72–3560	2	Decal–4wd (only on: 03807)
21	75–3860–01	1	Fender–LH
22	3234–14	10	Screw–HHF
23	105–0117	1	Front Frame ASM

Ref. No.	Part No.	Qty.	Description
24	75–1390–01	1	Cover–Access, Front
25	75–1410–01	1	Plate–Access, Floor
26	75–0630	1	Tread–Foot, Center
27	93–9425	1	Decal–Danger
28	3234–18	2	Screw–HHF
29	32148–7	5	Nut–Insert
30	3234–7	9	Screw–HHF
31	66–6480	2	Washer
32	17–9420	2	Screw–Handle
33	32128–20	4	Nut–HF
34	93–7252	1	Decal–International
35	99–8970	1	Key–Latch, Hood
36	98–9321	1	Ring–Key
37	74–5950	2	Latch–Swell
38	104–1453	1	Grommet

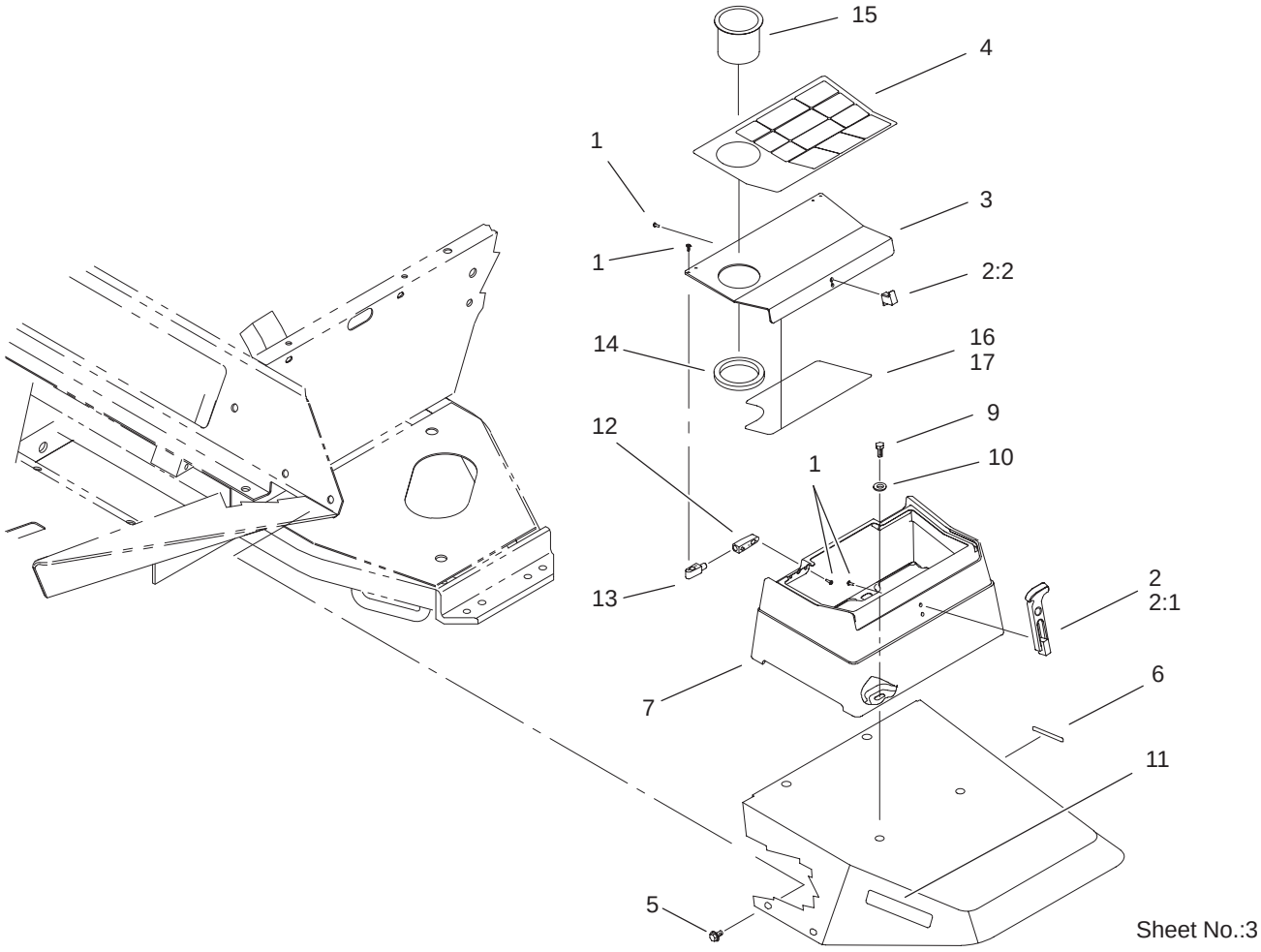


Sheet No.:A1
T–3773

Front Frame Assembly No. 105–0117

Ref. No.	Part No.	Qty.	Description
2	93–7592	2	Tread–Foot Rest, LH
3	75–0620	1	Tread–Foot, LH
4	104–5223	1	Tread–Foot, RH
5	93–6693	1	Decal–Plate, Floor
6	93–6699	1	Decal–Fast/Slow
7	105–7506	1	Decal–Key Switch

Ref. No.	Part No.	Qty.	Description

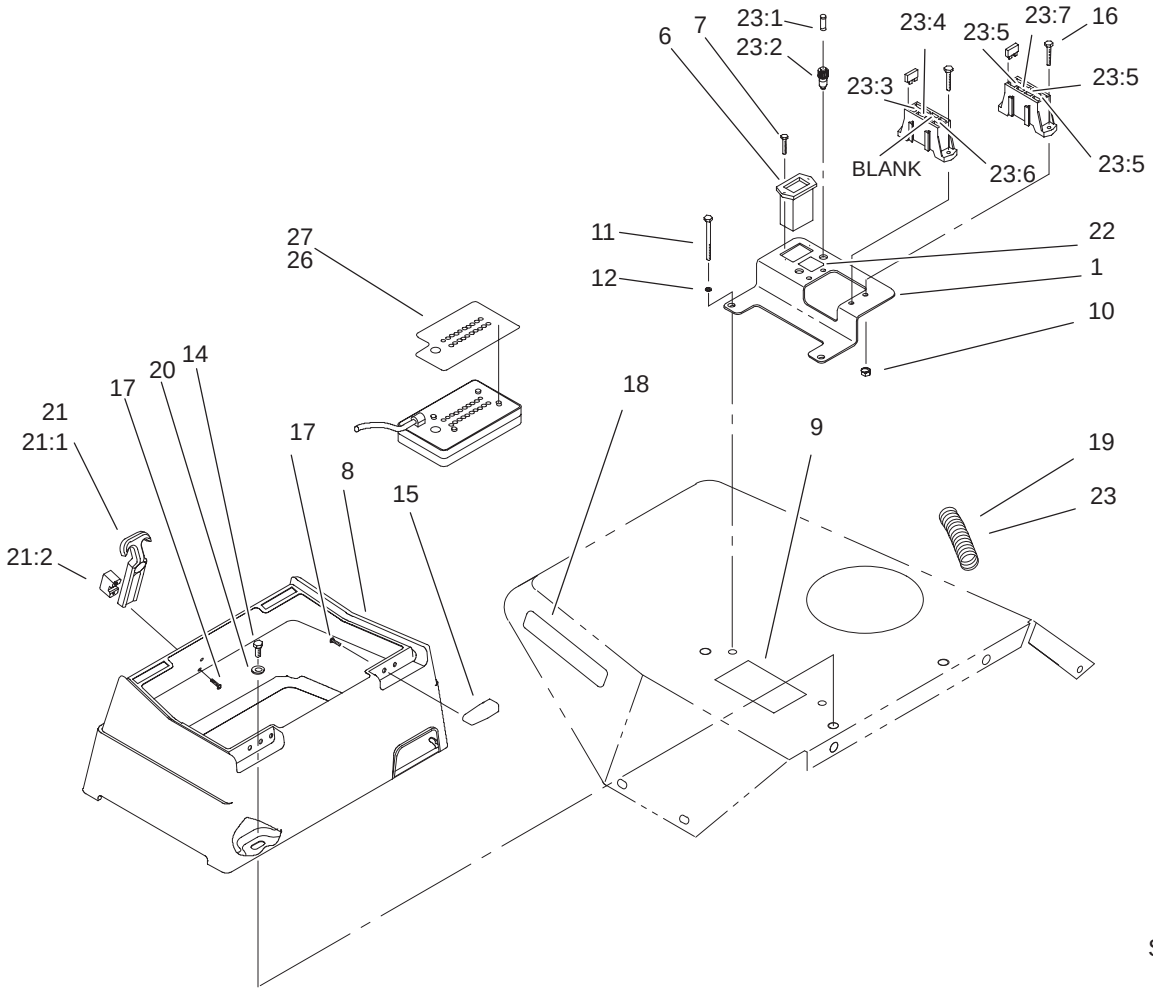


Sheet No.:3

Tool Box Assembly

Ref. No.	Part No.	Qty.	Description
1	32144–1	12	Screw–Taptite
2	94–5626	1	Latch–Draw, Flexible
2:1	100–5806	1	Handle–Latch
2:2	100–5807	1	Keeper–Latch
3	104–1489–03	1	Cover–Toolbox
4	104–9294	1	Decal–Warning
4	104–9295	1	Decal–Warning, Ce
5	3234–14	2	Screw–HHF (only on: 03807)
6	93–6680	1	Decal–Diesel
7	104–0026	1	Toolbox
9	322–4	4	Screw–HH
10	3256–23	4	Washer–Flat
11	93–6689	1	Decal–No Riders
12	104–1496	2	Hinge–Pin
13	104–1497	2	Hinge–Receiver
14	104–1476	1	Ring–Rubber
15	94–1410	1	Holder–Can, Beverage
16	105–0134	1	Decal–Quick Reference
17	95–0832	1	Decal–Service

Ref. No.	Part No.	Qty.	Description

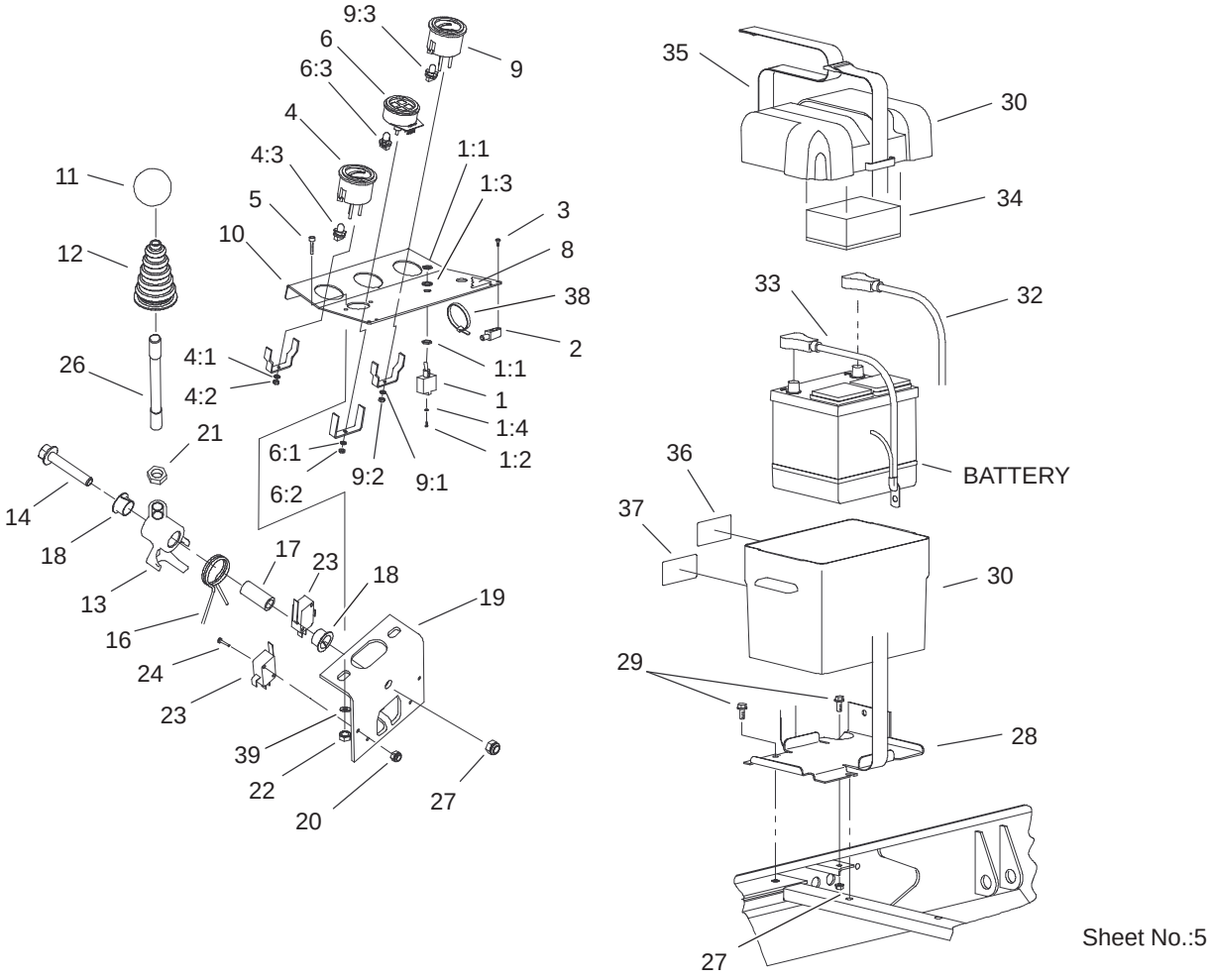


Sheet No.:4

Control Console Assembly

Ref. No.	Part No.	Qty.	Description
1	105–0137–03	1	Bracket–Fuse Block
6	75–6820	1	Hourmeter
7	32144–18	2	Screw–HH
8	104–0027	1	Box–Control
9	104–5229	1	Decal–Fuses, Ce
10	3296–2	4	Nut–Lock
11	321–4	2	Screw–HH
12	3253–3	2	Washer–Lock
14	322–4	3	Screw–HH
15	104–1497	2	Hinge–Receiver
16	32105–13	4	Screw–Shh
17	32144–1	6	Screw–Taptite
18	93–6689	1	Decal–No Riders
19	94–6343	1	Decal–I.d., Wire
20	3256–23	3	Washer–Flat
21	94–5626	1	Latch–Draw, Flexible
21:1	100–5806	1	Handle–Latch
21:2	100–5807	1	Keeper–Latch
22	104–9298	1	Decal–Controller
23	105–0119	1	Harness–Wire, Console
23:1	219–19	1	Lamp–Green
23:2	85–4491	1	Light–Indicator (Includes Lamp)
23:3	94–9157	1	Fuse–Blade, 4 Amp
23:4	114241	1	Fuse–7.5 Amp

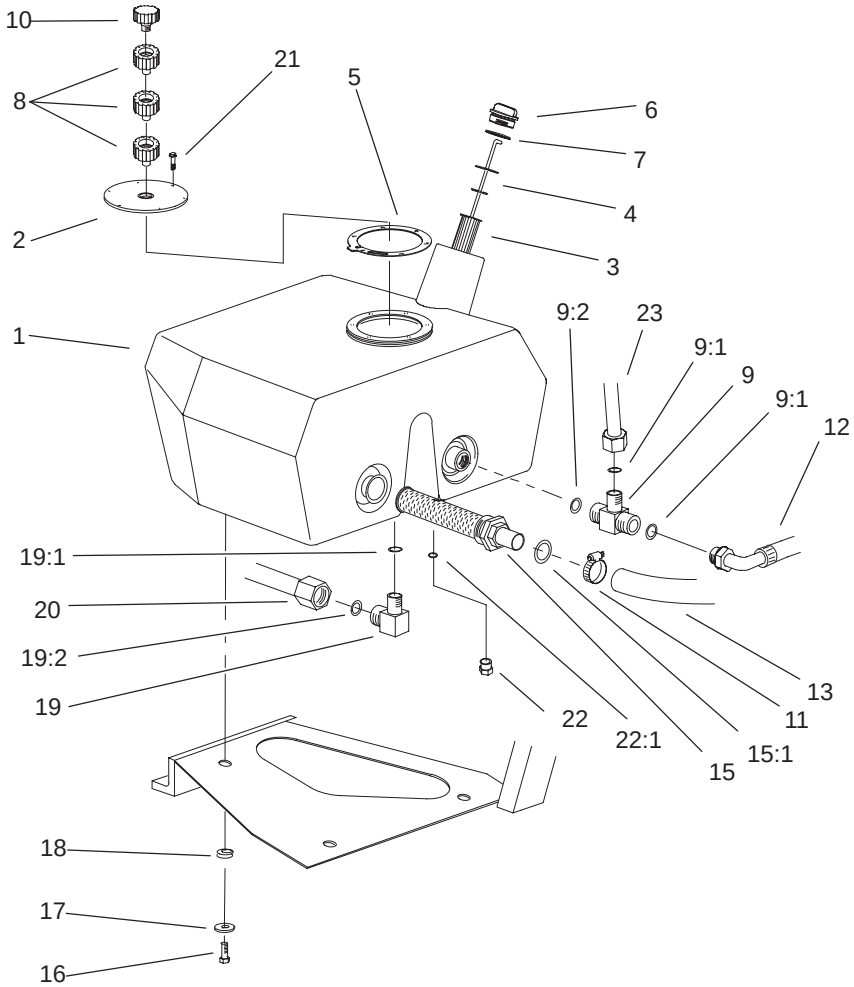
Ref. No.	Part No.	Qty.	Description
23:5	218–578	3	Fuse–10 Amp
23:6	109355	1	Fuse–15 Amp
23:7	109101	1	Fuse–20 Amp
26	105–9267	1	Decal–Diagnostic, Control



Control Console and Battery Assembly

Ref. No.	Part No.	Qty.	Description
1	99–8352	1	Switch–Backlap, Master
1:1	218–498	2	Locknut–Hex
1:2	218–588	3	Screw
1:3	218–589	1	Washer
1:4	3253–19	3	Washer–Lock/Sp
2	104–1496	2	Hinge–Pin
3	32144–1	4	Screw–Taptite
4	98–9339	1	Gauge–Fuel
4:1	3254–1	3	Washer–Lock, Internal
4:2	3217–27	3	Nut–Hex
4:3	105–9265	1	Bulb And Lamp ASM
5	3258–166	2	Screw
6	98–9306	1	Light–Warning
6:1	3254–1	1	Washer–Lock, Internal
6:2	3217–27	1	Nut–Hex
6:3	105–9264	4	Bulb And Lamp ASM
8	104–9296	1	Decal–Control
9	98–9308	1	Gauge–Temperature
9:1	3254–1	3	Washer–Lock, Internal
9:2	3217–27	3	Nut–Hex
9:3	105–9265	1	Bulb And Lamp ASM
10	104–9251–03	1	Plate–Instrument
11	233–42	1	Knob
12	93–5961	1	Boot–Lever
13	105–7507	1	Hub–Pivot, Joystick

Ref. No.	Part No.	Qty.	Description
14	94–5780	1	Bolt–Head
16	93–5509	1	Spring–Tension
17	93–5512	1	Spacer
18	93–5547	2	Bushing–Nylon
19	105–7513–03	1	Bracket–Lift Lever
20	3296–52	4	Nut–Lock NI
21	3218–3	1	Nut–Jam (only on: 03806)
22	32128–33	2	Nut–HF
23	111332	2	Switch
24	3290–329	4	Screw–PPH
26	105–7508	1	Lever–Joystick
27	3296–29	1	Nut–Lock, NI
28	93–7974–03	1	Plate–Battery Box
29	3234–5	3	Screw
30	93–7595	1	Box–Battery
32	105–0114	1	Cable–Battery, Positive
33	105–0115	1	Cable–Battery, Negative
34	93–7968	1	Pad–Foam
35	94–1445	1	Strap–Battery
36	93–6668	1	Decal–Battery
37	93–7276	1	Decal–Danger
38	3290–378	2	Tie–Cable
39	3256–75	2	Washer–Flat



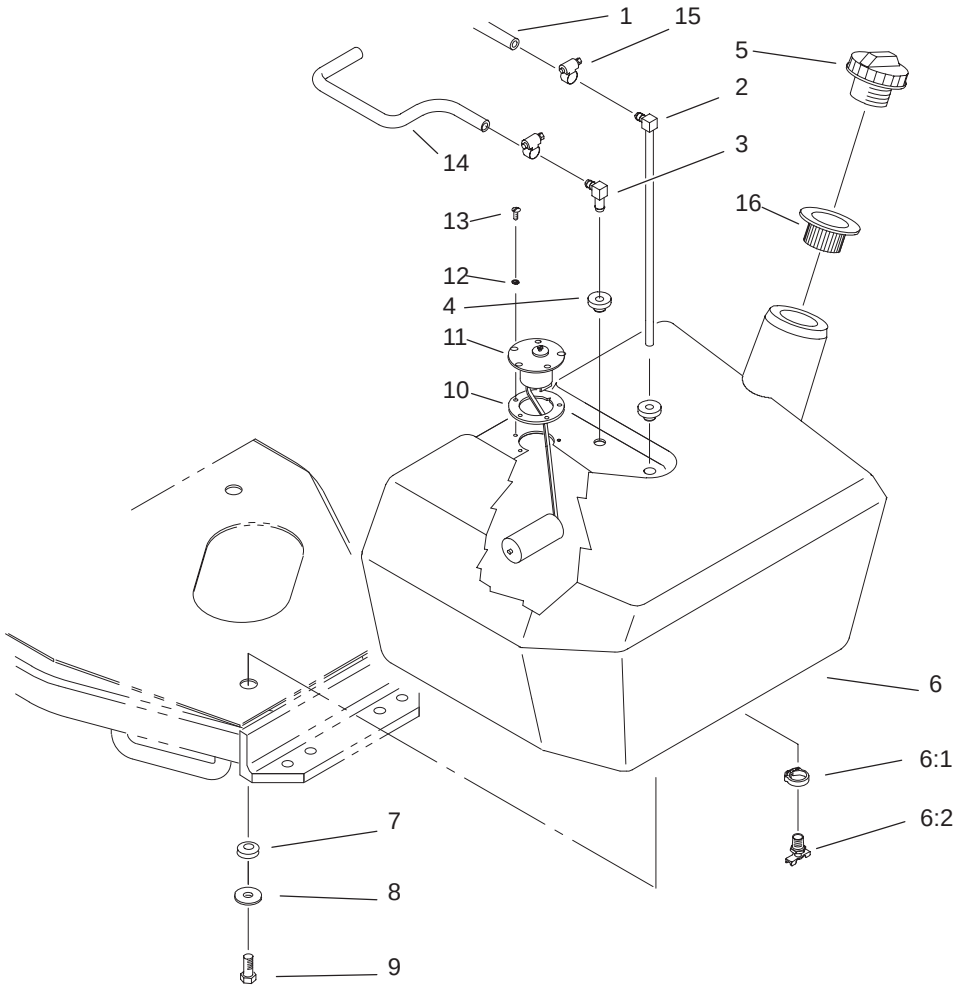
Sheet No.:6

Hydraulic Filter and Reservior Assembly

Ref. No.	Part No.	Qty.	Description
1	104–9254	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	104–3795	1	Fitting–Tee, Hyd
9:1	340–65	2	O–Ring
9:2	237–146	1	O–Ring
10	68–6150	1	Breather–Air
11	2412–111	1	Clamp
12	104–3790	1	Pump Return Hose ASM
13	104–3792	1	Hose–Suction
15	105–0131	1	Strainer–Tank, Oil
15:1	340–136	1	O–Ring
16	33105–025	3	Screw–HHF
17	63–8410	3	Washer
18	240–11	3	Grommet–Mount, Tank
19	340–98	1	Fitting–Hyd, 90°
19:1	237–79	1	O–Ring
19:2	237–30	1	O–Ring
20	92–7478	1	RH Motor Tube ASM

Ref. No.	Part No.	Qty.	Description
21	33104–020	6	Screw–HHF
22	353–508	1	Plug
22:1	237–42	1	O–Ring
23	104–3748	1	Hydraulic Tank Tube ASM
*23:1	340–65	1	O–Ring

* Not illustrated

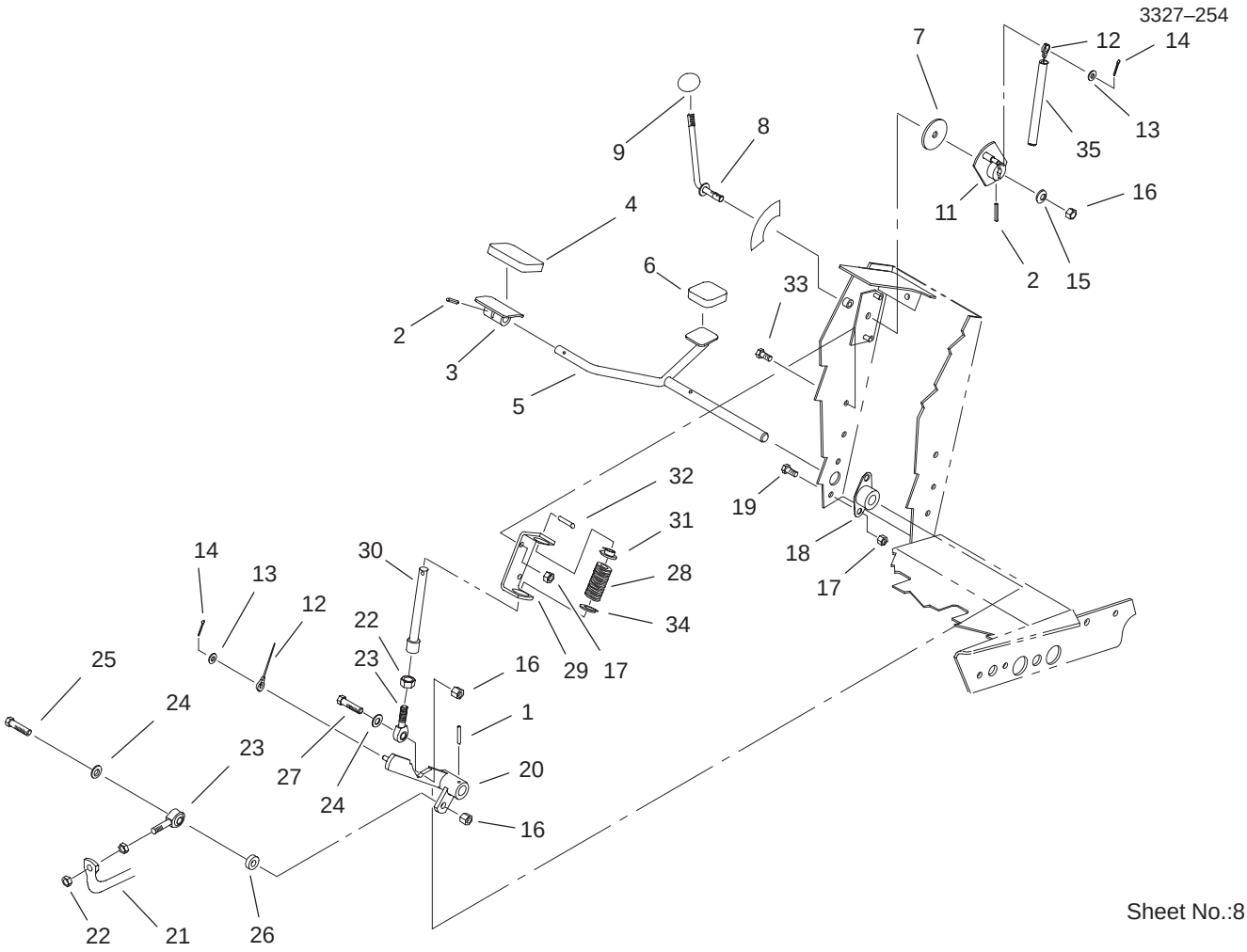


Sheet No.:7

Fuel Tank and Filter Assembly

Ref. No.	Part No.	Qty.	Description
1	92–7522	1	Hose–Fuel
2	66–8121	1	Standpipe
3	104–5228	1	Elbow–90°
4	46–6560	2	Bushing
5	93–3102	1	Cap–Fuel
6	105–7949	1	Tank–Fuel
6:1	2412–36	1	Clamp–Hose
6:2	304–46	1	Draincock
7	240–11	3	Grommet–Mount, Tank
8	63–8410	3	Washer
9	33105–025	3	Screw–HHF
10	62–7650	1	Gasket
11	63–7640	1	Sender–Fuel
12	3253–15	5	Washer–Lock/Sp
13	32122–24	5	Screw–Pth
14	75–4700	1	Hose–Fuel
15	2412–108	2	Clamp–Worm
16	61–2790	1	Filter–Screen

Ref. No.	Part No.	Qty.	Description

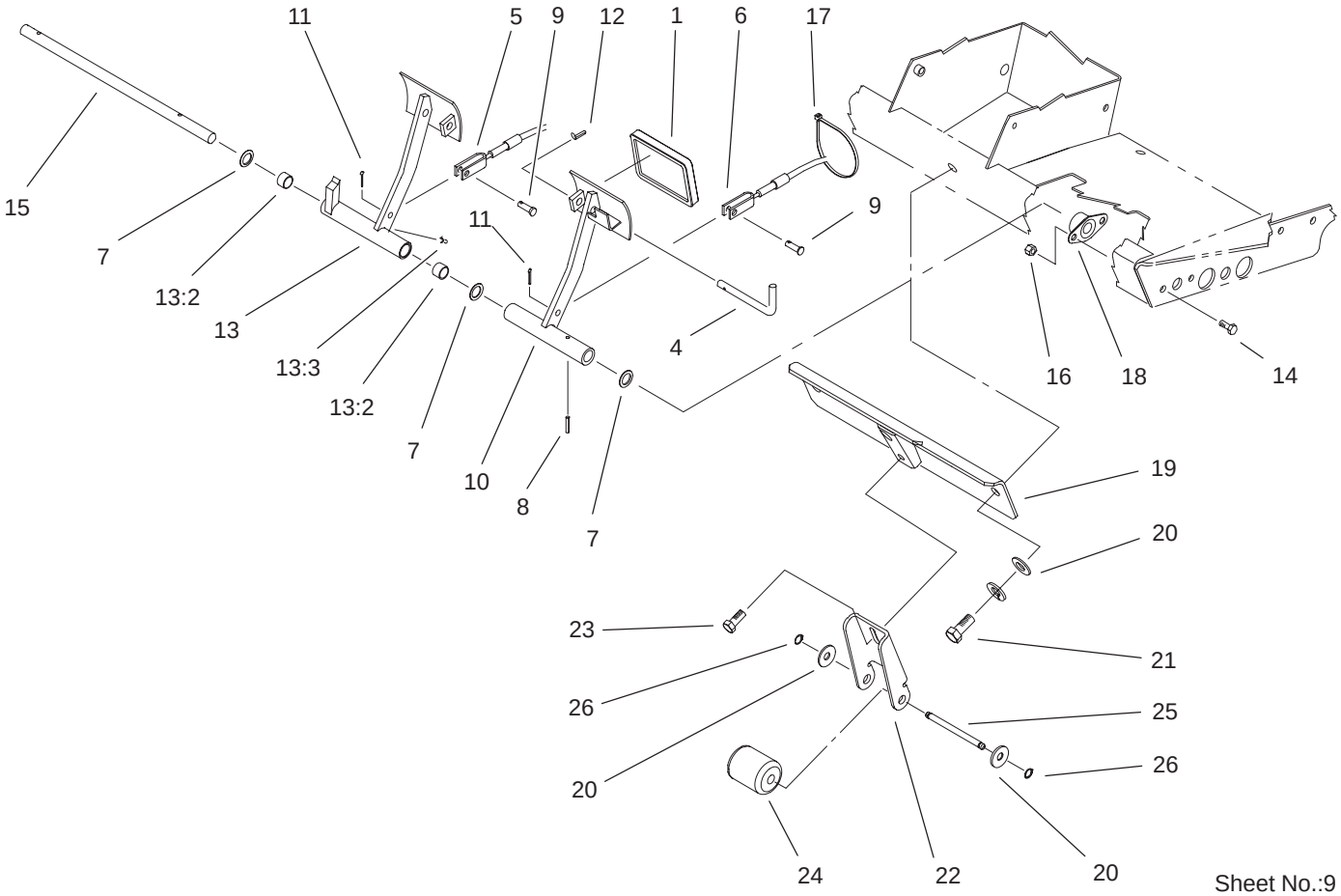


Sheet No.:8

Traction 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	3296–39	3	Nut–Lock, NI
17	32128–20	4	Nut–HF
18	256–236	2	Bearing–Mount, Flange
19	322–3	4	Screw–HH
20	75–3270–03	1	Hub–Pivot, Traction
21	100–3893–03	1	Tube–Pump Control
22	3220–3	3	Nut–Jam
23	2411–36	2	Bearing–End, Rod
24	3256–24	2	Washer–Flat
25	323–9	1	Screw–HH
26	5–0652	1	Spacer

Ref. No.	Part No.	Qty.	Description
27	323–29	1	Screw–HH
28	60–5700	1	Spring
29	92–7608–03	1	Bracket–Spring
30	92–7609	1	Shaft–Spring
31	92–7610	1	Retainer–Spring
32	32121–11	1	Pin–Roll
33	32144–14	2	Screw–HWH
34	3256–5	1	Washer–Flat
35	95–7151	1	Tube–Convoluted

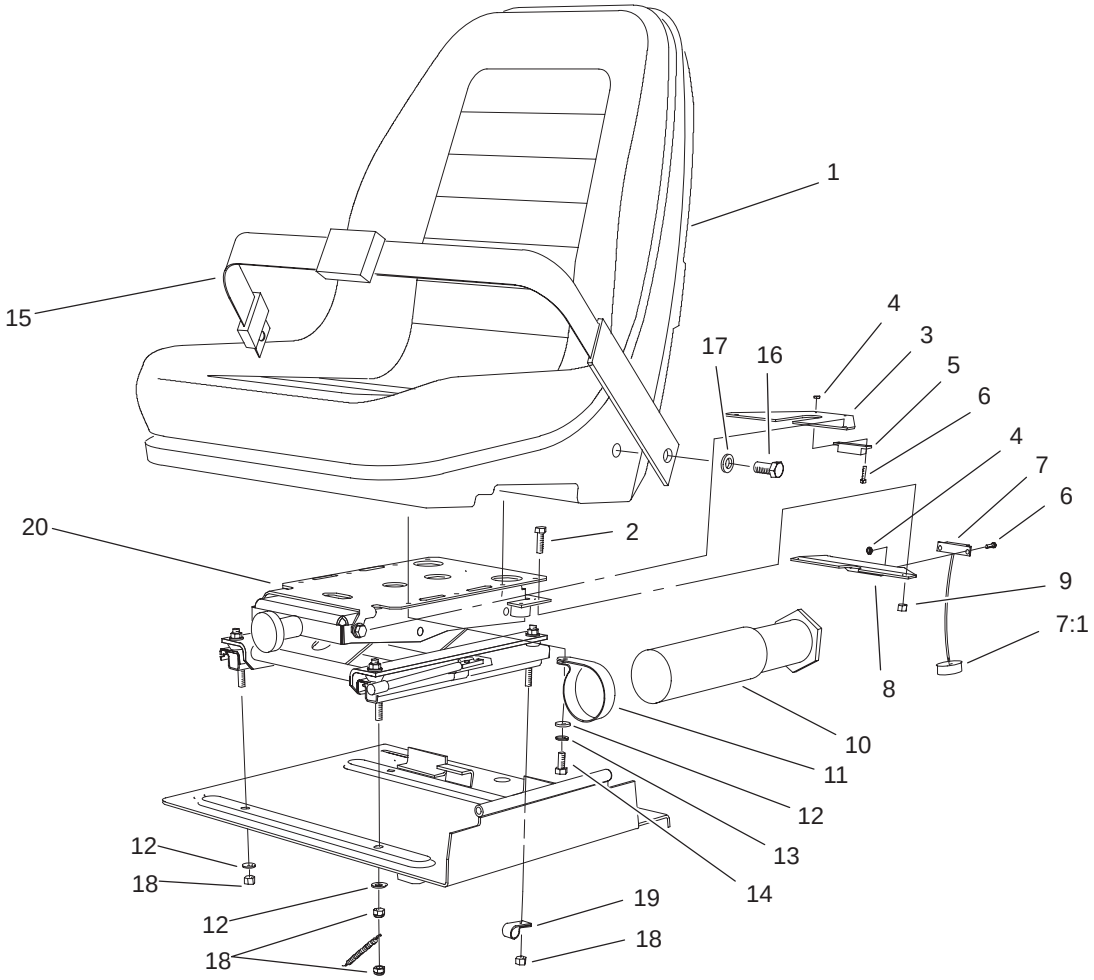


Sheet No.:9

Brake Pedal Assembly

Ref. No.	Part No.	Qty.	Description
1	93–8742	2	Footpad–Brake
4	63–7880	1	Pin–Latch, Brake
5	92–7530	1	LH Brake Cable ASM
6	92–7529	1	RH Brake Cable ASM
7	3256–69	3	Washer–Flat
8	32121–16	1	Pin–Spring
9	283–58	2	Pin–Clevis
10	75–1440–03	1	Pedal–Brake, LH
11	3272–10	2	Pin–Cotter
12	32121–50	1	Pin–Spring
13	75–1430	1	Pedal–Brake, RH
13:2	256–42	2	Bushing
13:3	302–5	1	Fitting–Grease
14	322–3	4	Screw–HH
15	75–1470	1	Pin–Pivot, Brake
16	32128–20	4	Nut–HF
17	3290–378	1	Tie–Cable
18	256–236	2	Bearing–Mount, Flange
19	105–0138–03	1	Stabilizer
20	3256–26	2	Washer–Flat
21	33106–035	2	Screw–HHF
22	100–3868–03	1	Bracket–Tipper
23	3234–1	2	Screw–HHF
24	75–5390	1	Roller

Ref. No.	Part No.	Qty.	Description
25	75–5400	1	Pin–Roller
26	32151–61	2	Ring–Retaining



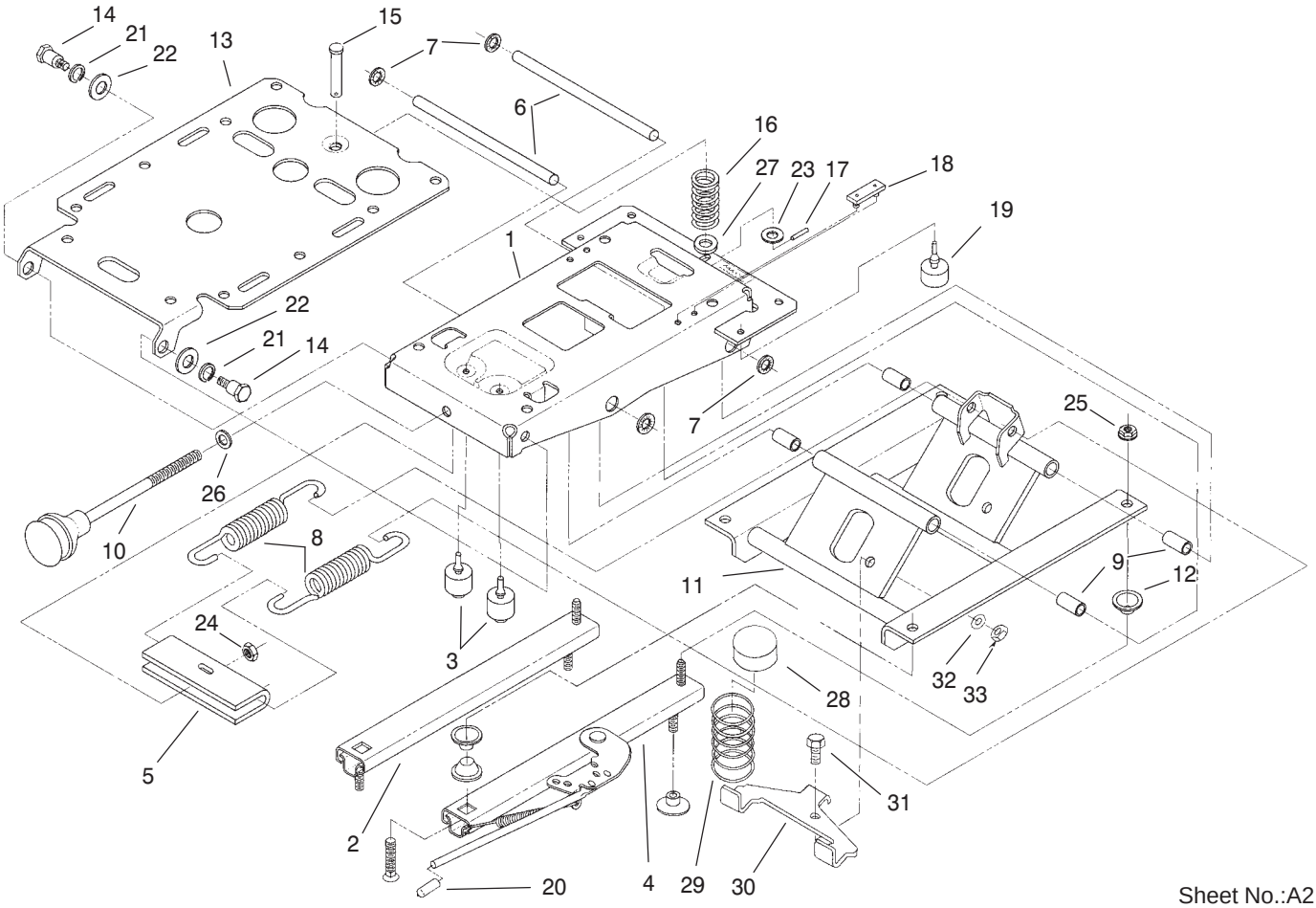
Sheet No.:10

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	3296–39	2	Nut–Lock, NI
10	74–0720	1	Tube–Manual
11	2412–133	2	R–Clamp
12	3256–23	8	Washer–Flat
13	3253–4	4	Washer–Lock
14	322–3	4	Screw–HH
15	21–4191	1	Seat Belt ASM (only on: 03807)
16	3212–4	2	Screw–HH (only on: 03807)
17	3253–6	2	Washer–Lock (only on: 03807)
18	3296–29	5	Nut–Lock, NI
19	2412–93	1	Clamp–R
20	75–3000	1	Suspension–Seat

Ref. No.	Part No.	Qty.	Description

3327–254

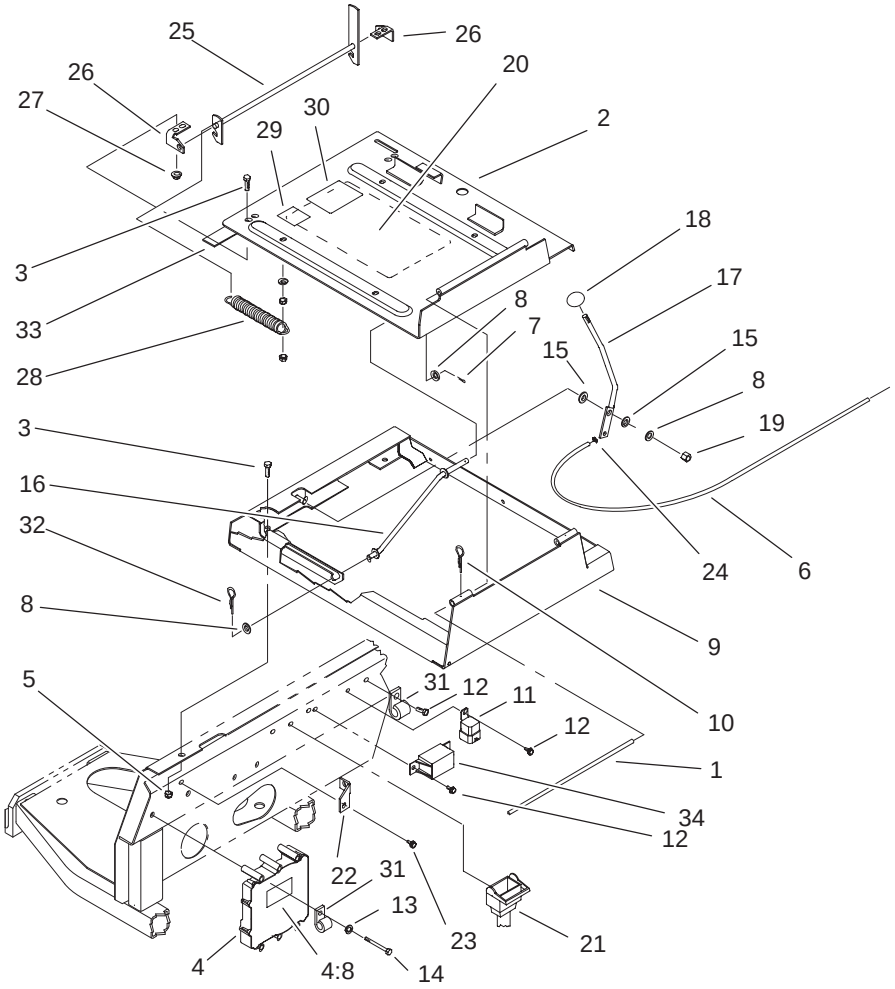


Sheet No.:A2
T–3437

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–Shoulder
15	80–4860	1	Pin–Clevis
16	75–3530	1	Spring–Compression
17	75–3540	1	Pin–Roll
18	75–3550	2	Bumper–Seat
19	76–2940	2	Bumper
20	75–3570	1	Tip–Vinyl
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

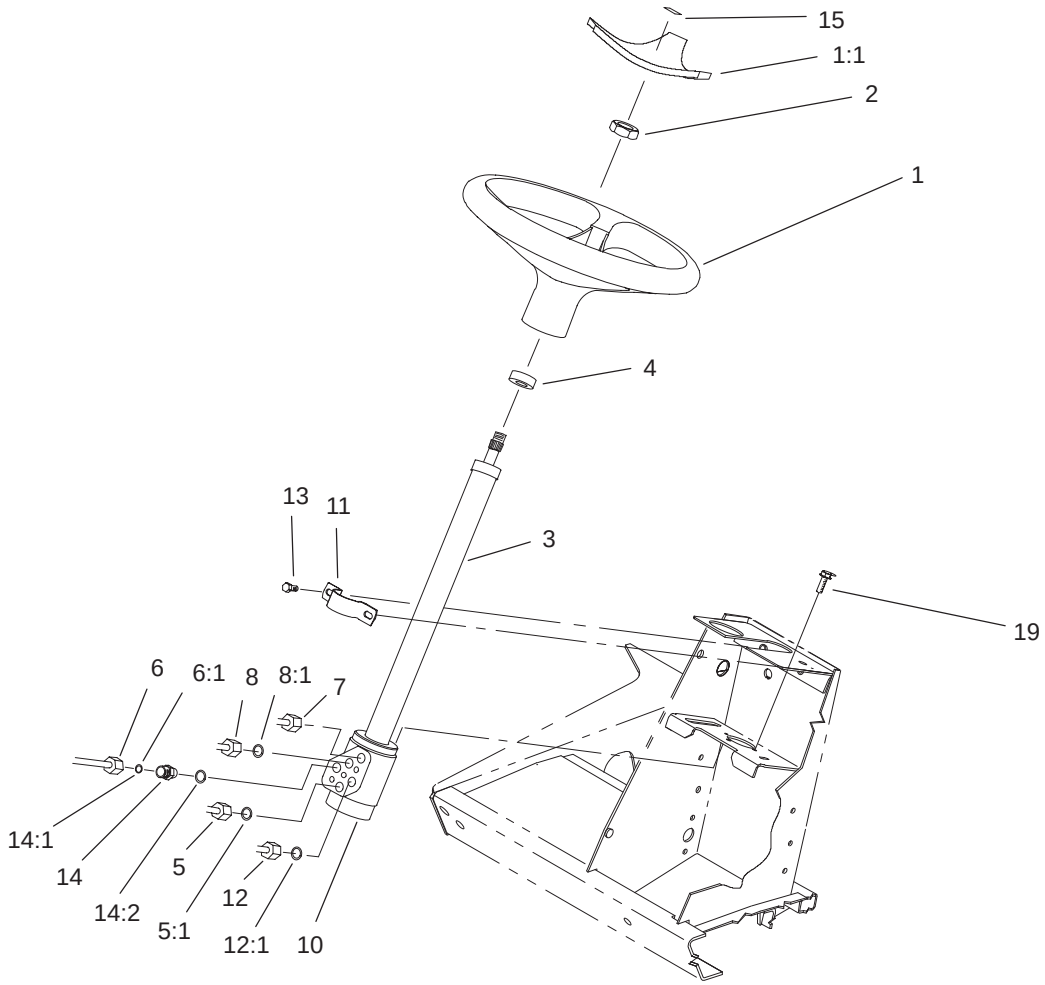


Sheet No.:11

Seat Frame and Throttle Assembly

Ref. No.	Part No.	Qty.	Description
1	75–3400	1	Shaft–Pivot, Seat
2	98–2350–03	1	Plate–Seat
3	322–3	8	Screw–HH
4	92–5720	1	Controller–Electronic
4:8	93–8053	1	Decal
5	3296–29	4	Nut–Lock, NI
6	105–0102	1	Cable–Throttle
7	3272–10	1	Pin–Cotter
8	3256–24	3	Washer–Flat
9	98–2352–03	1	Frame–Seat
10	3290–467	1	Pin–Hair
11	70–1480	1	Relay
12	32144–10	4	Screw–HWH
13	3253–3	3	Washer–Lock
14	321–14	3	Screw–HH
15	52–2900	2	Washer
16	75–3680–03	1	Rod–Seat
17	93–7598–03	1	Lever–Throttle
18	233–42	1	Knob
19	3296–39	1	Nut–Lock, NI
20	105–7528	1	Decal–Solenoid Information
21	105–3352	1	Harness–Wire, Main
22	92–7396–03	1	Mount–Cable
23	49–2040	1	Screw–Tapping
24	52–5910	1	Ring–Retaining

Ref. No.	Part No.	Qty.	Description
25	98–2354–03	1	Latch–Seat
26	98–2353	2	Bracket–Latch, Seat
27	32128–25	4	Nut–Flange
28	66–4190–03	1	Spring–Idler, Clutch
29	105–4674	1	Decal–Noise, Ce
30	85–6910	1	Decal–Rating, Noise
31	2412–109	2	Clip–J
32	3290–307	1	Pin–Hair
33	94–8146	1	Strip–Foam
34	66–8800	1	Relay

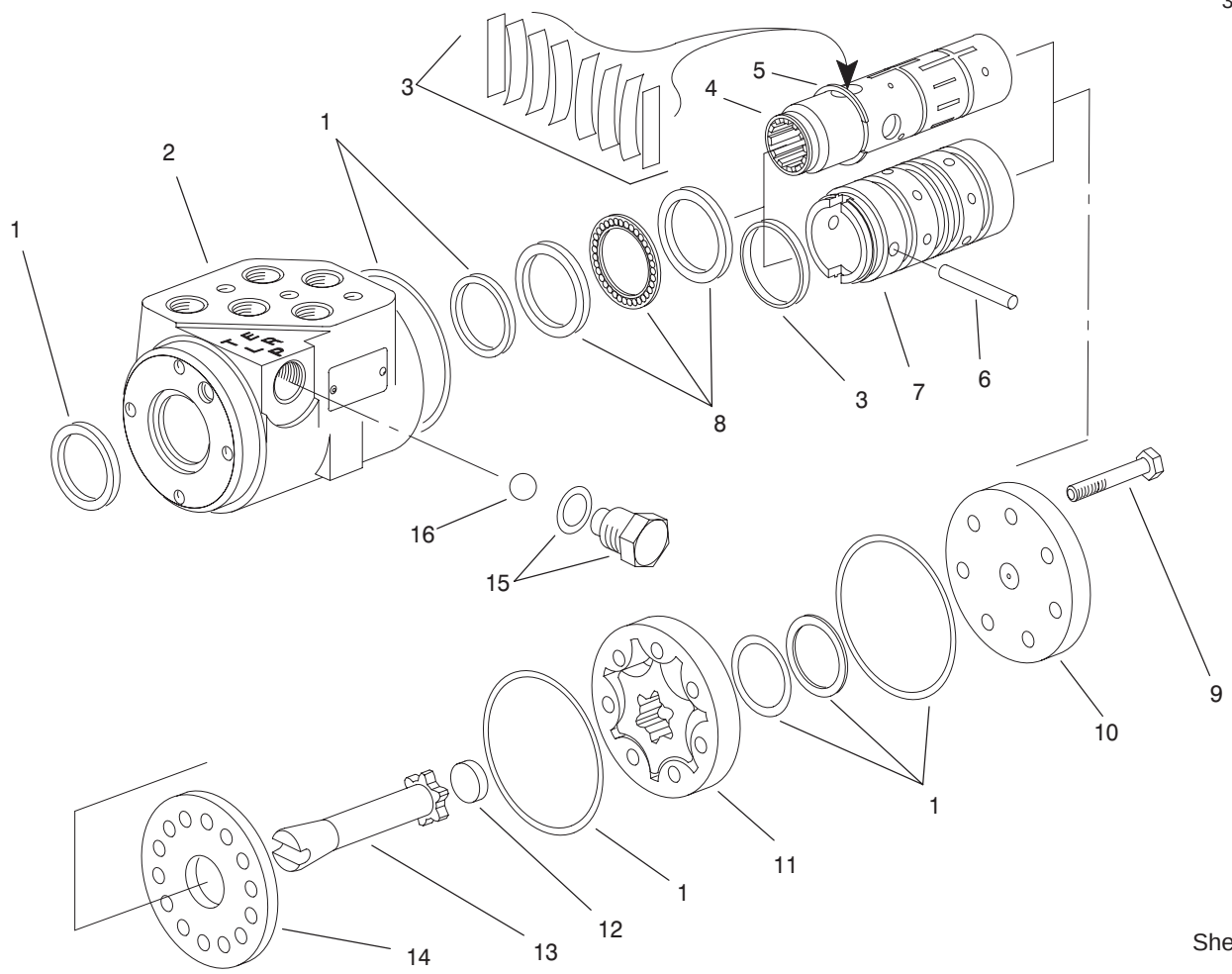


Sheet No.:12

Steering Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	98–1471	1	Wheel–Steering
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	94–3059	1	Hyd Tube ASM
5:1	237–22	1	O–Ring
6	104–3733	1	Tube ASM–Straight, Front In
6:1	237–22	1	O–Ring
7	104–3737	1	Tube ASM–Straight, Front Out
8	94–3060	1	Hyd Tube ASM
8:1	237–22	1	O–Ring
10	99–8959	1	Control–Steering
11	75–2810	1	Bracket–Column, Steering
12	94–3071	1	Hyd Tube ASM
12:1	237–22	1	O–Ring
13	3234–7	2	Screw–HHF
14	340–2	5	Fitting–Hyd, Straight
14:1	237–22	1	O–Ring
14:2	237–42	1	O–Ring
15	98–1459	1	Decal–Toro
19	33103–020	3	Screw–HHF

Ref. No.	Part No.	Qty.	Description



Sheet No.:A3

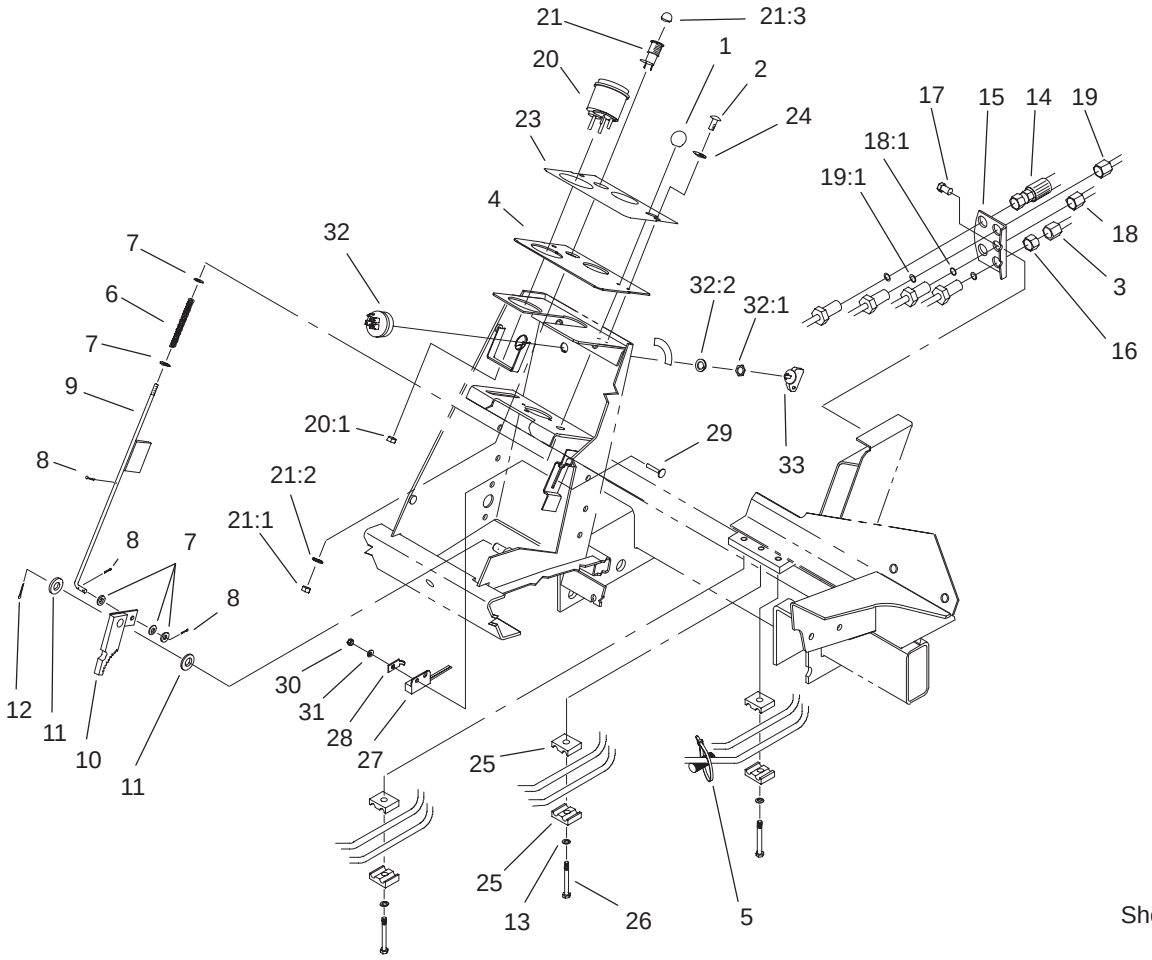
T–3216

Steering Control 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

☆ Not serviced separately

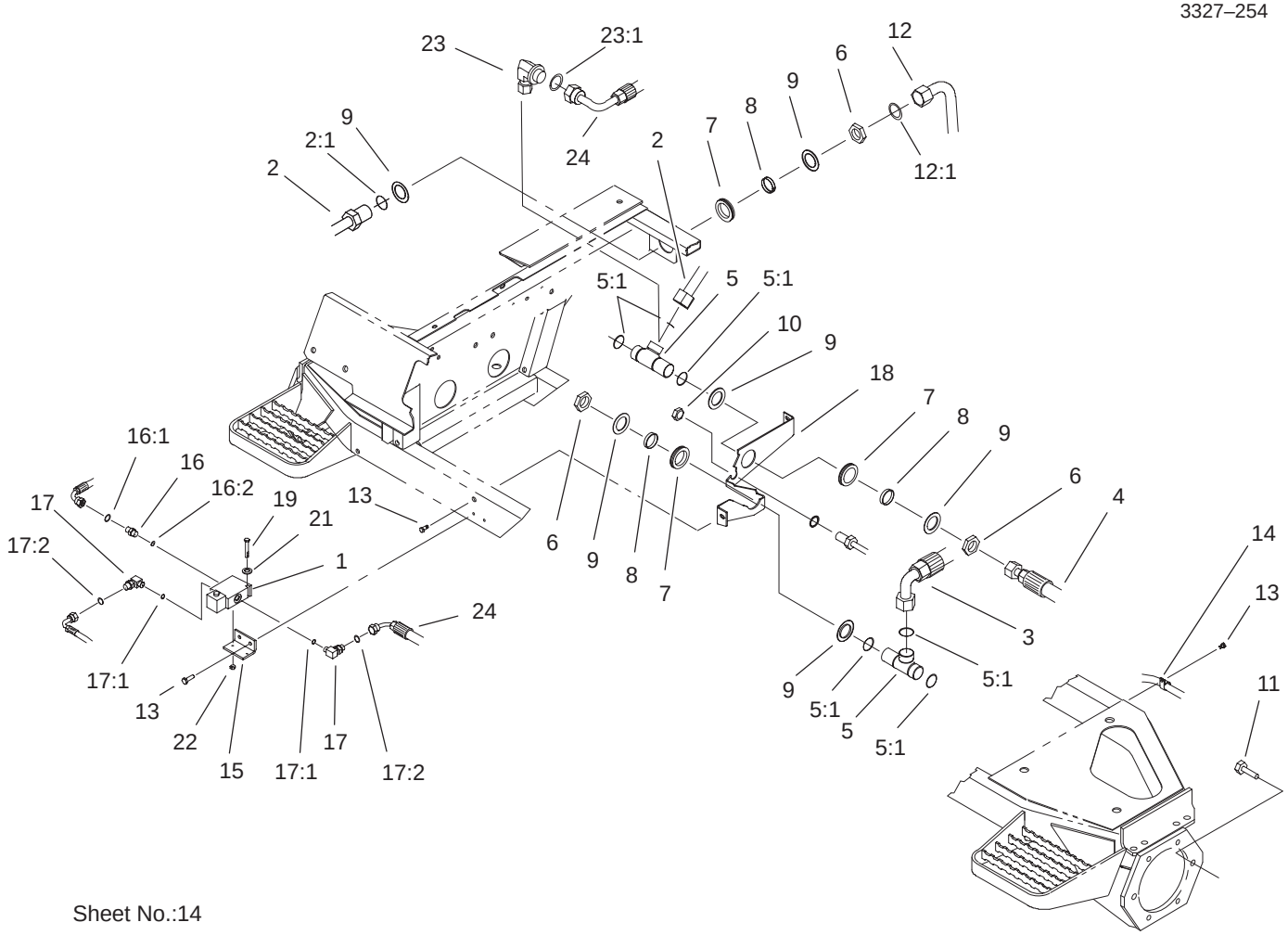


Sheet No.:13

Steering Tower Assembly

Ref. No.	Part No.	Qty.	Description
1	233–17	1	Knob
2	87–6620	2	Screw–Special
3	104–3738	1	Hyd Tube ASM
4	93–7998–03	1	Plate–Instrument
5	3290–379	1	Tie–Cable
6	95–1821–03	1	Spring–Compression
7	3256–22	5	Washer–Flat
8	3272–5	3	Pin–Cotter
9	104–1492	1	Rod ASM
10	63–7900–03	1	Rack ASM
11	3256–26	2	Washer–Flat
12	3272–10	1	Pin–Cotter
13	3256–23	3	Washer–Flat
14	105–7926	1	Hose ASM–Steering
15	92–7606–03	1	Bracket–Bulkhead
16	340–70	4	Locknut–Bulkhead
17	32144–11	2	Screw–TAP
18	104–3745	1	Tube ASM–Straight, Rear RH
18:1	237–22	1	O–Ring
19	104–3746	1	Tube ASM–Straight, Rear In
19:1	237–22	1	O–Ring
20	105–3304	1	Speedomter
20:1	3296–1	4	Nut–Lock NI
21	44–2210	1	Light–Indicator, Red

Ref. No.	Part No.	Qty.	Description
21:1	218–535	1	Nut–Hex
21:2	218–536	1	Washer–Lock
21:3	218–533	1	Lens
23	93–1263	1	Decal–Tower
24	3256–1	2	Washer–Flat
25	56–7973	6	Clamp–Tube
26	322–6	3	Screw–HH
27	100–1270	1	Switch–Proximity
28	100–4872	1	Plate–Switch, Neutral
29	104–1450	1	Bolt–CARR
30	3296–2	1	Nut–Lock
31	3256–14	1	Washer–Flat
32	27–2360	1	Switch–Key
32:1	218–446	1	Nut–Hex
32:2	218–447	1	Washer–Lock
33	63–8360	1	Key–Ignition

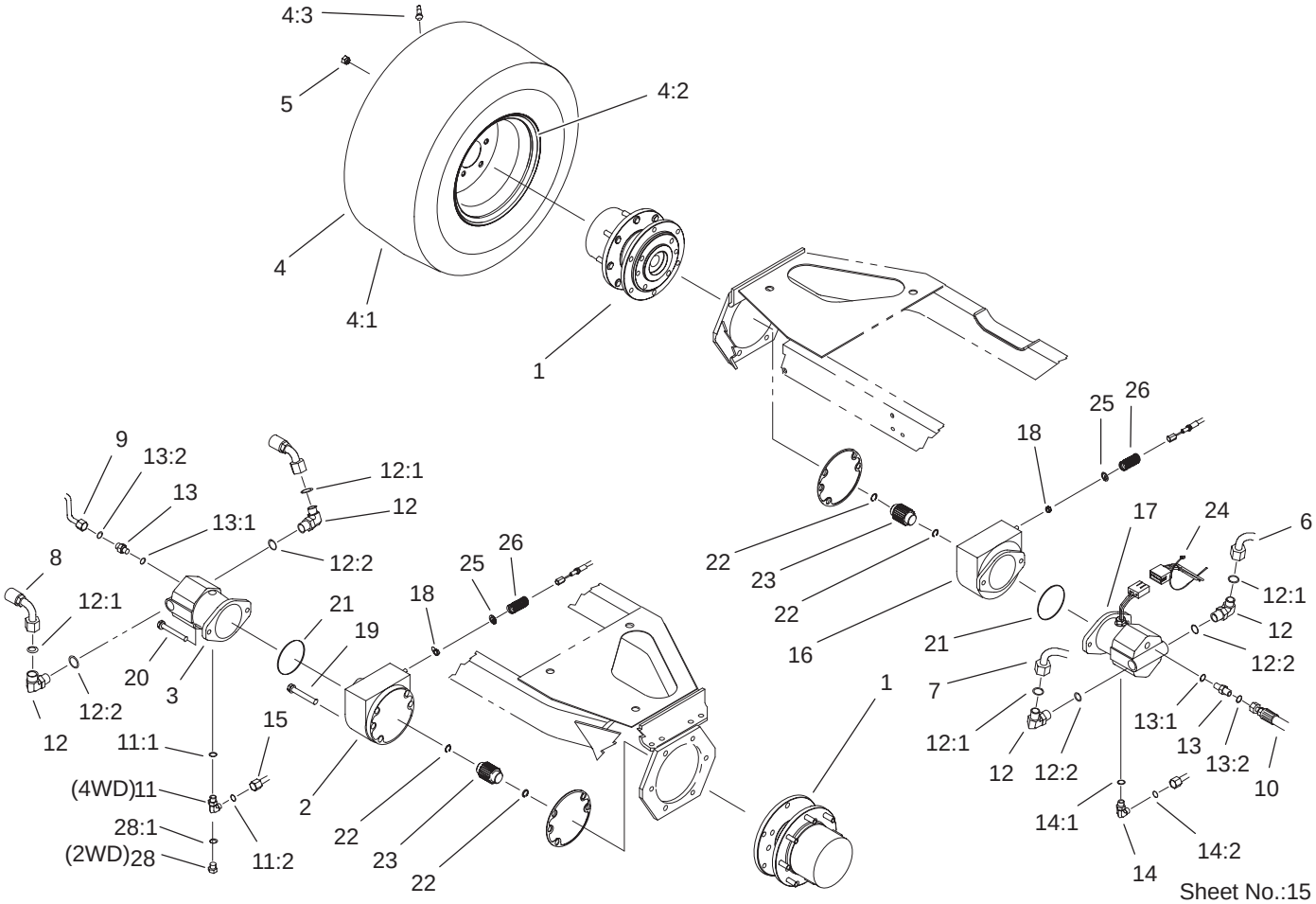


Sheet No.:14

Front Hydraulic Drive Assembly

Ref. No.	Part No.	Qty.	Description
1	105–3303	1	Flow Divider Valve ASM
2	104–3719	1	Hyd Tube ASM (only on: 03807)
2:1	340–65	1	O–Ring (only on: 03807)
3	105–7922	1	Hyd Hose ASM
4	92–7486	1	Hydraulic Hose ASM
5	92–7550	2	Fitting–Bulkhead Tee
5:1	340–65	3	O–Ring
6	340–128	2	Nut–Bulkhead (only on: 03806)
6	340–128	3	Nut–Bulkhead (only on: 03807)
7	240–2	2	Grommet–Rubber (only on: 03806)
7	240–2	3	Grommet–Rubber (only on: 03807)
8	69–8950	3	Spacer (only on: 03807)
8	69–8950	2	Spacer (only on: 03806)
9	69–8920	4	Washer (only on: 03806)
9	69–8920	6	Washer (only on: 03807)

Ref. No.	Part No.	Qty.	Description
10	340–127	1	Nut–Bulkhead
11	33106–030	12	Screw–HHF
12	104–3736	1	Hyd Tube ASM (only on: 03807)
12:1	237–58	1	O–Ring (only on: 03807)
13	32144–11	6	Screw–TAP
14	2412–93	2	Clamp–R
15	100–3807	1	Bracket–Flow Divider
16	340–1	1	Adapter
16:1	237–35	1	O–Ring
16:2	237–42	1	O–Ring
17	340–82	2	Adapter
17:1	237–42	1	O–Ring
17:2	237–21	1	O–Ring
18	92–7455–03	1	Plate–Bulkhead
19	321–23	2	Screw–HH
21	3256–2	2	Washer–Flat
22	3296–42	2	Nut–Lock, NI
23	92–7645	1	Elbow–90°, Swivel (only on: 03806)
23:1	340–65	1	O–Ring (only on: 03806)
24	100–3783	1	Hose ASM

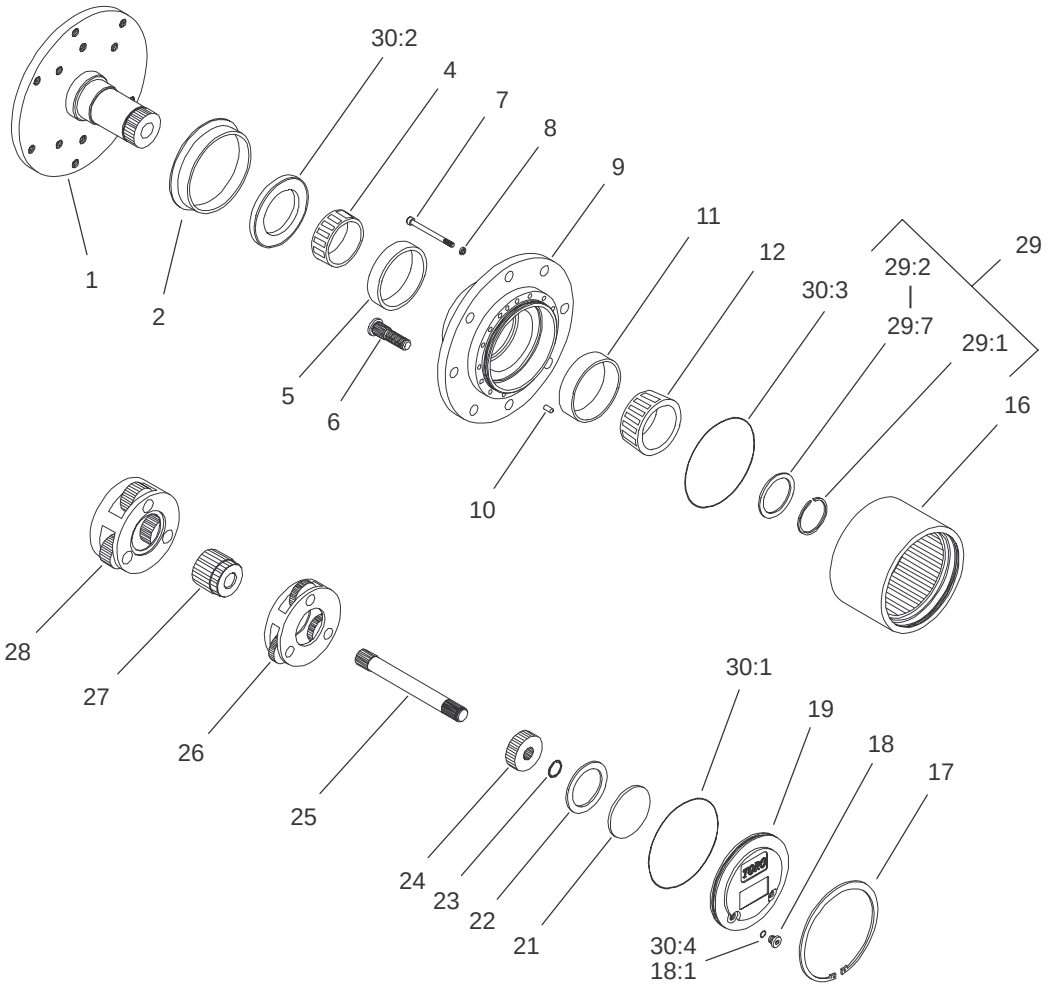


Front Axle and Brake Assembly

Ref. No.	Part No.	Qty.	Description
1	105–4500–03	2	Planetary ASM
2	100–3070–03	1	LH Brake ASM
3	92–7385	1	Motor–Planetary
☆4		2	Wheel & Tire ASM
4:1	95–3465	1	Tire
4:2	95–3464	1	Rim
4:3	232–24	1	Stem–Valve
5	92–7483	16	Nut–Lug
6	92–7475	1	Traction Tube ASM
7	92–7476	1	Traction Tube ASM
8	92–7487	1	Hydraulic Hose ASM
9	92–7477	1	Motor Drain Tube ASM
10	92–7488	1	Hydraulic Hose ASM
11	340–18	1	Fitting–Hyd, 90° (only on: 03807)
11:1	237–79	1	O–Ring (only on: 03807)
11:2	237–22	1	O–Ring (only on: 03807)
12	340–142	4	Elbow–90°
12:1	237–58	1	O–Ring
12:2	237–81	1	O–Ring
13	340–5	2	Fitting–Straight
13:1	237–42	1	O–Ring
13:2	237–30	1	O–Ring
14	340–98	1	Fitting–Hyd, 90°

Ref. No.	Part No.	Qty.	Description
14:1	237–79	1	O–Ring
14:2	237–30	1	O–Ring
15	92–7598	1	Front Drain Tube ASM (only on: 03807)
16	100–3069–03	1	RH Brake ASM
17	93–7476	1	Motor
18	3218–4	2	Nut–Jam
19	33106–090	8	Screw–HHF
20	33116–120	4	Screw–HH
21	237–166	2	O–Ring
22	93–7972	4	Ring–Retaining, Int.
23	100–3046	2	Shaft–Splined, Brake
24	3290–378	2	Tie–Cable
25	94–3050	2	Plate–Spring
26	94–3088	2	Spring–Compression
28	353–550	1	Plug–Hyd (only on: 03806)
28:1	237–79	1	O–Ring (only on: 03806)

☆ Not serviced separately



Sheet No.:A4
T–3867

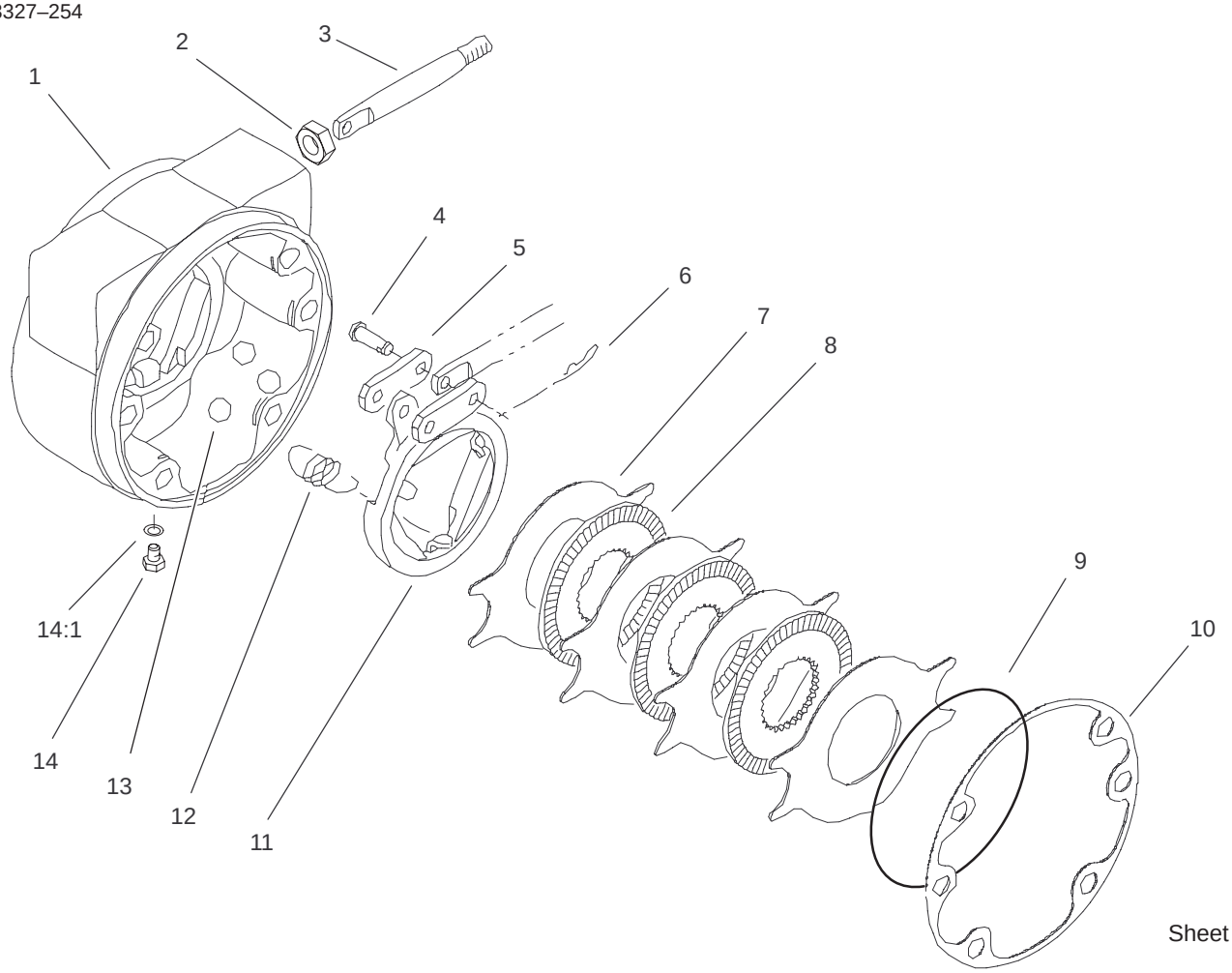
Planetary Drive Assembly No. 105–4500–03

Ref. No.	Part No.	Qty.	Description
☆1		1	Spindle
2	105–8122	1	Seal–Boot
4	105–8120	1	Bearing–Cone
5	105–8119	1	Bearing–Cup
6	105–8124	8	Stud–Wheel
7	105–8125	16	Bolt–Socket Head
8	3253–18	16	Washer–Lock/Sp
☆9		1	Housing
10	105–8121	1	Pin–Dowel
11	105–8117	1	Bearing–Cup
12	105–8118	1	Bearing–Cone
16	105–8113	1	Gear–Ring
17	105–8132	1	Ring–Retaining
18	353–990	2	Plug
18:1	237–78	1	O–Ring
19	105–8138	1	Cap–End
21	105–8133	1	Plug–Thrust
22	105–8123	1	Washer–Thrust
23	105–8131	1	Ring–Retaining
24	105–8114	1	Gear–Primary
25	105–8115	1	Shaft–Drive
26	105–8129	1	Primary Carrier ASM
27	105–8139	1	Gear–Secondary
28	105–8130	1	Secondary Carrier ASM
29	105–8136	1	Part Kit

Ref. No.	Part No.	Qty.	Description
☆29:1		1	Ring–Snap
☆29:2		1	Shim–Bearing, 2.9mm
☆29:3		1	Shim–Bearing, 2.8mm
☆29:4		1	Shim–Bearing, 2.7mm
☆29:5		1	Shim–Bearing, 2.6mm
☆29:6		1	Shim–Bearing, 2.5mm
☆29:7		1	Shim–Bearing, 2.4mm
*30	105–8137	1	Seal Kit
☆30:1		1	O–Ring, Flange Cap
☆30:2		1	Seal–Oil
☆30:3		2	O–Ring, End Cap
☆30:4		2	O–Ring, Plug

☆ Not serviced separately
* Not illustrated

3327–254



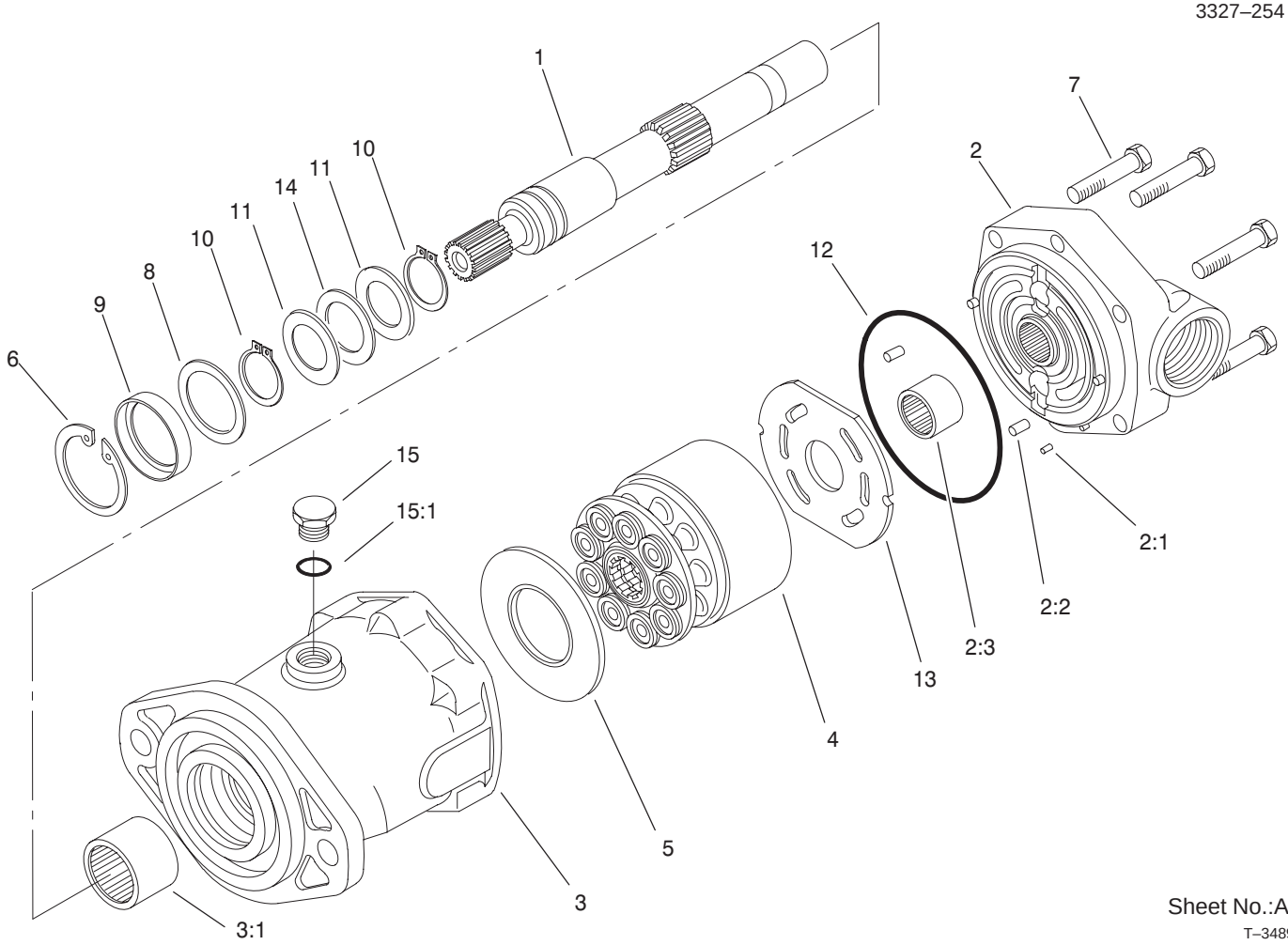
Sheet No.:A5
T–3760

LH Brake Assembly No. 100–3070–03

Ref. No.	Part No.	Qty.	Description
☆1		1	LH Brake ASM
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	104–4278	3	Disc–Rotating
9	93–7976	1	Ring–Retaining
10	93–7984	1	Gasket
11	104–4279	1	Actuator–Rotating
12	93–7987	3	Spring–Extension
13	93–7985	3	Ball
14	353–990	2	Plug
14:1	237–78	1	O–Ring

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



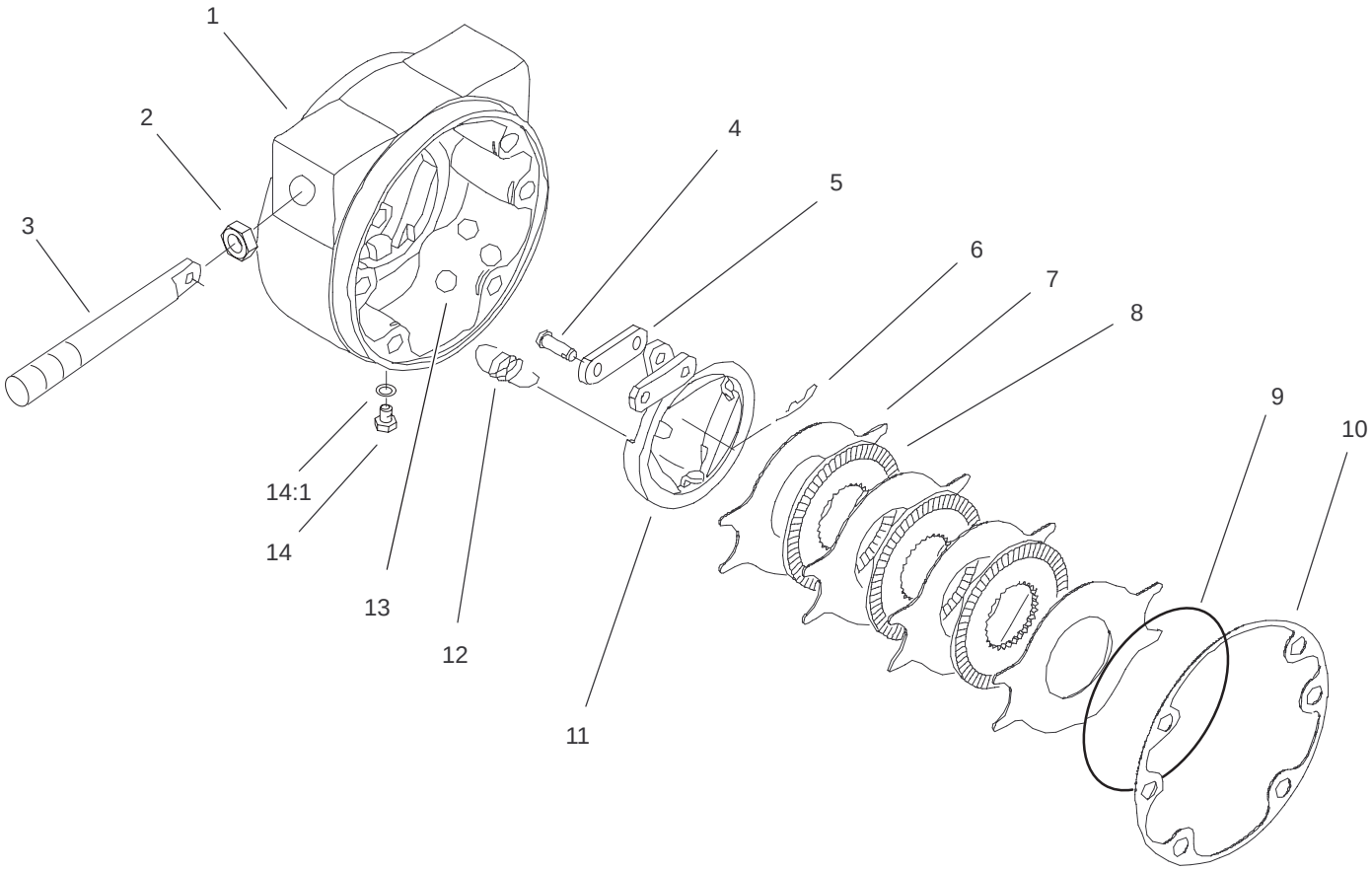
Sheet No.:A6
T–3489

Hydraulic Motor Assembly No. 92–7385

Ref. No.	Part No.	Qty.	Description
1	94–3004	1	Shaft–Drive, Splined
2	94–3005	1	Backplate ASM
☆2:1		1	Pin–Dowel
☆2:2		3	Pin–Dowel
☆2:3		1	Bearing–Needle
3	94–3006	1	Housing ASM
☆3:1		1	Bearing–Needle
4	76–6910	1	Rotating Kit
5	76–6970	1	Insert–Plate, Cam
6	76–7010	1	Ring–Retaining
7	94–3002	6	Capscrew
8	94–3007	1	Washer
9	105–3331	1	Seal–Shaft
10	76–7000	2	Ring–Retaining
11	76–6950	2	Race–Thrust
12	76–6980	1	O–Ring
13	94–3003	1	Plate–Valve
14	76–6960	1	Bearing–Thrust
15	94–3009	1	Plug
☆15:1		1	O–Ring

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



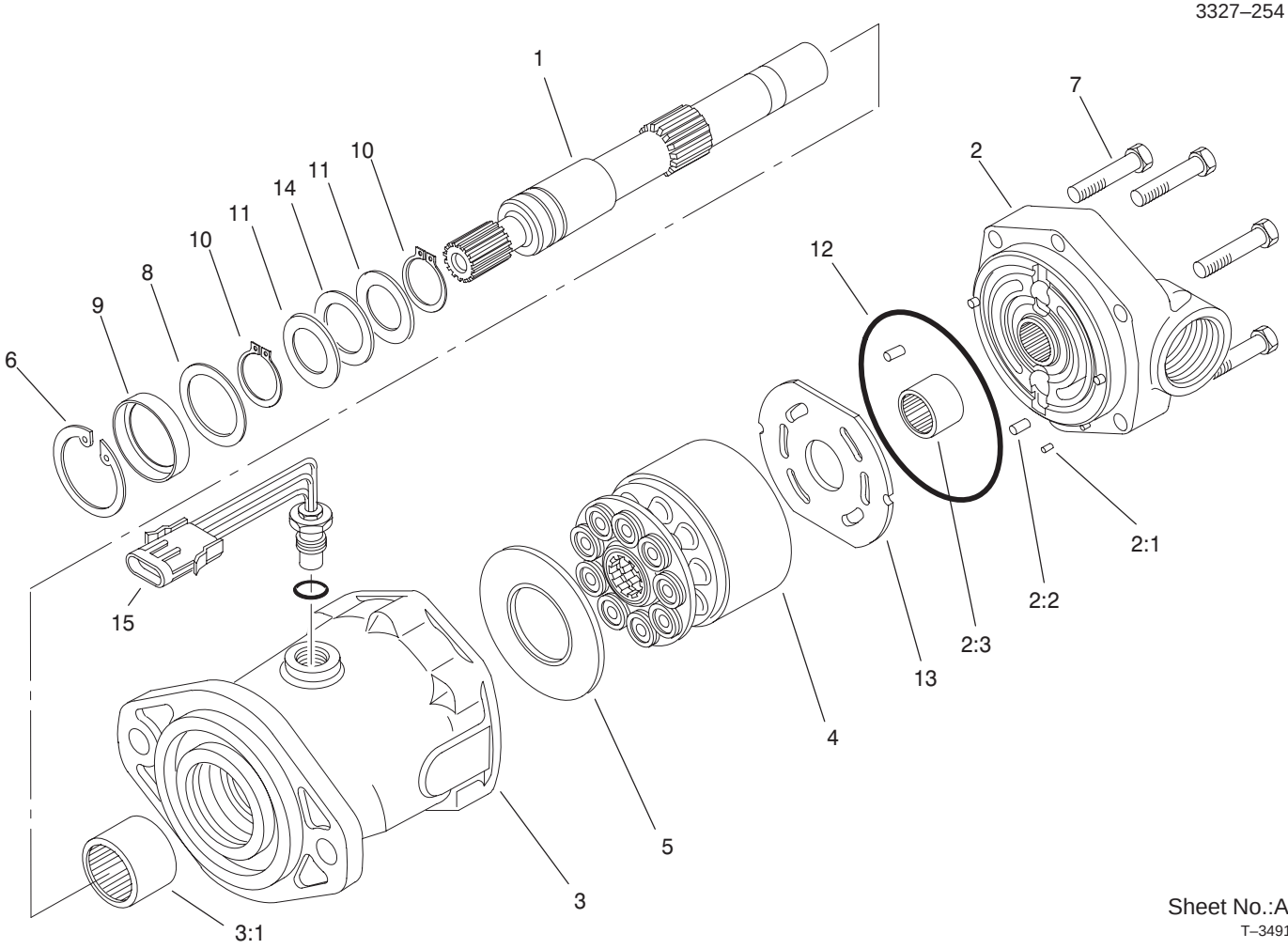
Sheet No.:A7
T–3759

RH Brake Assembly No. 100–3069–03

Ref. No.	Part No.	Qty.	Description
☆1		1	RH Brake ASM
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	104–4278	3	Disc–Rotating
9	93–7976	1	Ring–Retaining
10	93–7984	1	Gasket
11	104–4280	1	Actuator–Rotating
12	93–7987	3	Spring–Extension
13	93–7985	3	Ball
14	353–990	2	Plug
14:1	237–78	1	O–Ring

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



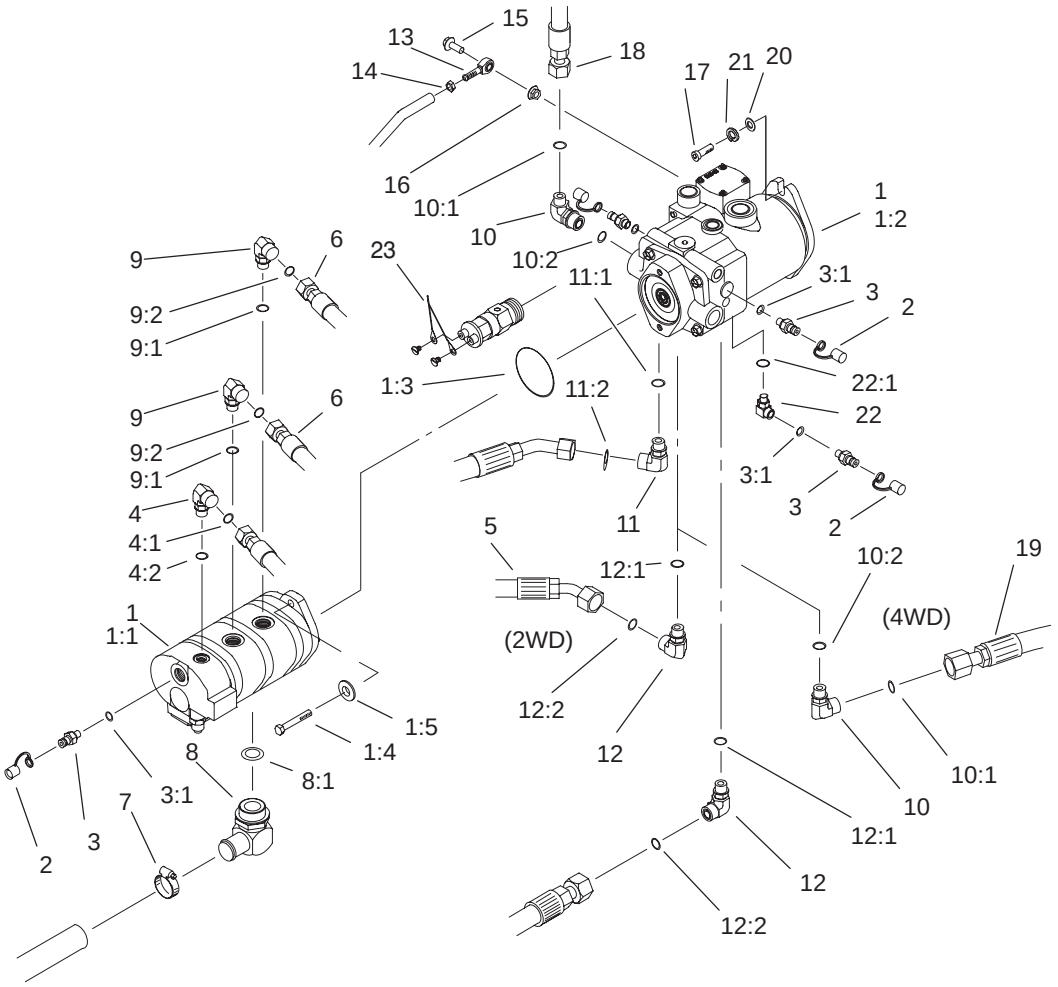
Sheet No.:A8
T–3491

Hydraulic Motor Assembly No. 93–7476

Ref. No.	Part No.	Qty.	Description
1	94–3004	1	Shaft–Drive, Splined
2	94–3005	1	Backplate ASM
☆2:1		1	Pin–Dowel
☆2:2		3	Pin–Dowel
☆2:3		1	Bearing–Needle
3	94–3006	1	Housing ASM
☆3:1		1	Bearing–Needle
4	76–6910	1	Rotating Kit
5	76–6970	1	Insert–Plate, Cam
6	76–7010	1	Ring–Retaining
7	94–3002	6	Capscrew
8	94–3007	1	Washer
9	105–3331	1	Seal–Shaft
10	76–7000	2	Ring–Retaining
11	76–6950	2	Race–Thrust
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

☆ Not serviced separately

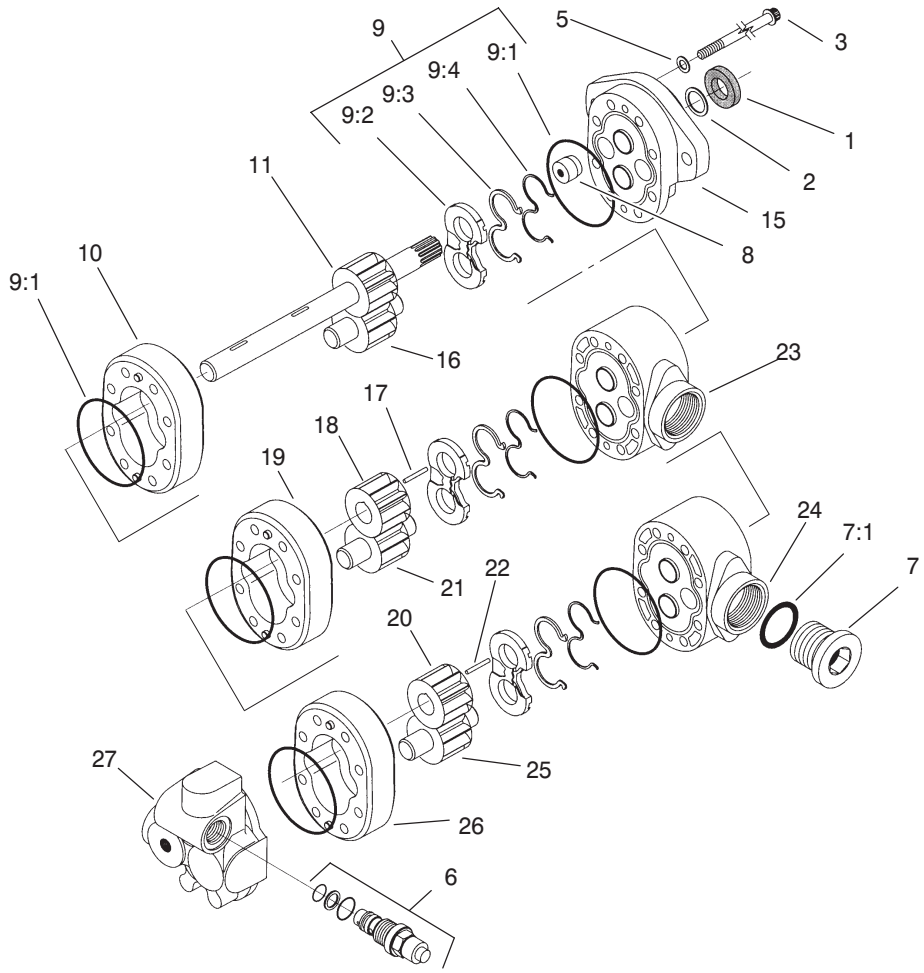


Sheet No.:16

Hydraulic Pump Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	105–3355	1	Pump Assembly
1:1	105–3317	1	Pump–Gear
1:2	105–3356	1	Pump–Piston
1:3	60–3520	1	O–Ring
1:4	323–7	2	Screw–HH
1:5	95–6055	2	Washer
2	354–79	4	Cap–Dust, Yellow
3	354–77	4	Fitting–Quick
3:1	237–78	1	O–Ring
4	340–77	1	Fitting–Hyd, 90°
4:1	237–22	1	O–Ring
4:2	237–42	1	O–Ring
5	105–7921	1	Hyd Hose ASM (only on: 03806)
6	105–7927	2	Hyd Hose ASM
7	2412–111	1	Clamp
8	92–7526	1	Fitting–Hyd, 90°
8:1	237–101	1	O–Ring
9	340–105	2	Fitting–90°
9:1	237–80	1	O–Ring
9:2	237–30	1	O–Ring
10	340–15	1	Adapter (only on: 03806)
10	340–15	2	Adapter (only on: 03807)
10:1	237–58	1	O–Ring

Ref. No.	Part No.	Qty.	Description
10:2	237–146	1	O–Ring
11	104–3796	1	Elbow–90°
11:1	237–81	1	O–Ring
11:2	340–65	1	O–Ring
12	340–129	2	Elbow–90° (only on: 03806)
12	340–129	1	Elbow–90° (only on: 03807)
12:1	237–146	1	O–Ring
12:2	340–65	1	O–Ring
13	2411–36	1	Bearing–End, Rod
14	3220–3	1	Nut–Jam
15	3234–11	1	Screw–HHF
16	3296–59	1	Nut–Lock, NI
17	325–6	2	Screw–HH
18	104–3789	1	Filter Hose ASM
19	105–7920	1	Hyd Hose ASM (only on: 03807)
20	3256–26	2	Washer–Flat
21	3253–7	2	Washer–Lock (only on: 03807)
22	75–6640	1	Fitting–Special
22:1	237–78	1	O–Ring
23	105–0122	1	Harness–Wire



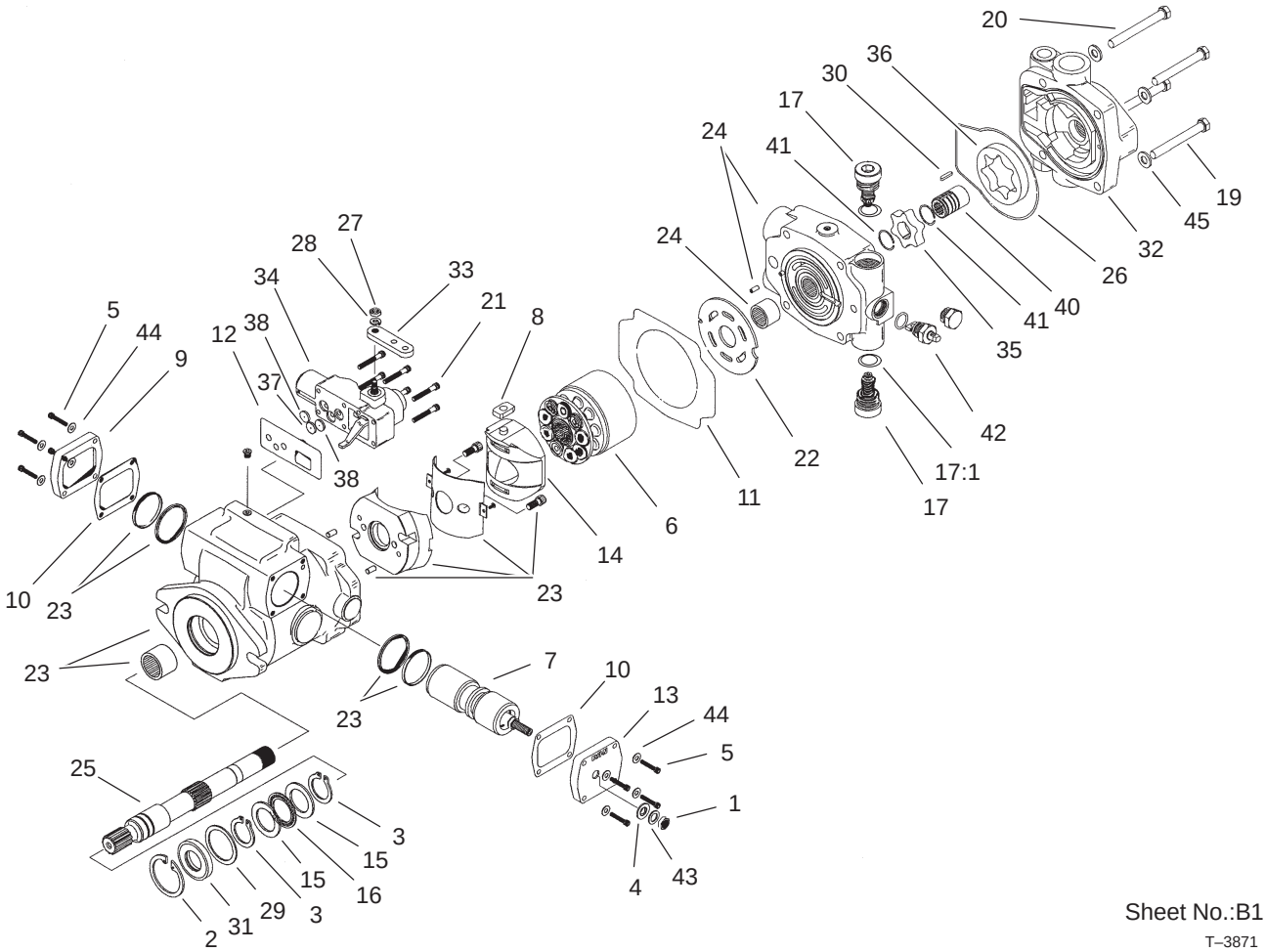
Sheet No.:A9
T–3870

Gear Pump Assembly No. 105–3317

Ref. No.	Part No.	Qty.	Description
1	49–2640	1	Seal–Shaft
2	60–5890	1	Washer
3	105–2898	8	Screw–Cap
5	74–8920	4	Washer–Copper
6	105–2891	1	Relief Valve ASM
7	94–3013	1	Plug
☆7:1		1	O–Ring
8	94–3011	1	Plug
9	94–3015	1	Seal Kit
9:1	56–6710	6	O–Ring
☆9:2		3	Plate–Wear
☆9:3		3	Seal–Pressure, Balance
☆9:4		3	Gasket–Backup
☆10		1	Body
☆11		1	Drive Gear ASM
☆15		1	Front Plate ASM
☆16		1	Gear–Idler
☆17		1	Key
☆18		1	Gear
☆19		1	Body
☆20		1	Gear
☆21		1	Gear–Idler
☆22		1	Key
☆23		1	Plate–Adaptor
☆24		1	Plate–Adaptor

Ref. No.	Part No.	Qty.	Description
☆25		1	O–Ring
☆26		1	Gear–Idler
☆27		1	Body

☆ Not serviced separately



Sheet No.:B1

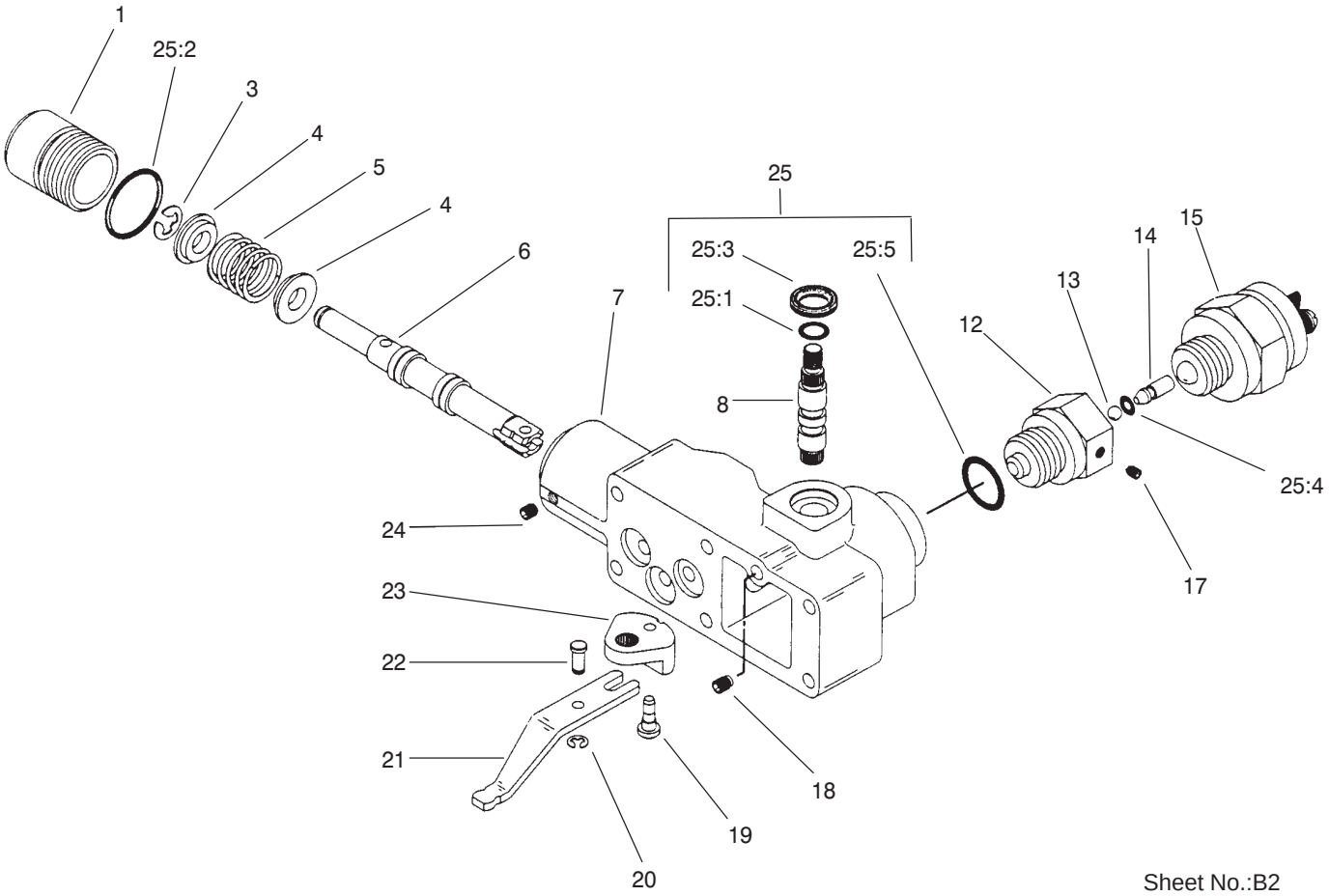
T–3871

Piston Pump Assembly No. 105–3356

Ref. No.	Part No.	Qty.	Description
1	3220–2	1	Nut
2	60–6260	1	Ring
3	76–7000	2	Ring–Retaining
4	94–3027	1	Washer–Seal
5	93–6337	8	Screw
6	93–6322	1	Rotating Kit
7	105–2856	1	Servo Piston ASM
8	94–3032	1	Follower–Piston
9	94–3033	1	Plate–Cover
10	93–6339	2	Gasket
11	105–2900	1	Gasket–Housing
12	105–2901	1	Gasket–Control Housing
13	94–3034	1	Plate–Cover
14	94–3026	1	Camplate ASM
15	76–6950	2	Race–Thrust
16	60–6170	1	Bearing–Thrust
17	105–2858	2	Valve–Relief
☆17:1		1	O–Ring
19	323–15	2	Screw–HH
20	323–16	2	Screw–HH
21	93–6324	6	Screw
22	105–2902	1	Plate–Valve
23	105–2903	1	Housing
24	105–8149	1	Endcover ASM
25	94–3020	1	Shaft–Drive

Ref. No.	Part No.	Qty.	Description
26	105–2905	1	O Ring–Molded
27	3217–5	1	Nut–Hex
28	3253–3	1	Washer–Lock
29	94–3007	1	Washer
30	105–2906	1	Key
31	105–3331	1	Seal–Shaft
32	105–2907	1	Charge Pump Adapter ASM
33	94–3031	1	Arm–Control
34	93–6306	1	Control ASM
35	105–2908	1	Gerotor–Inner Ring
36	99–8707	1	Gerotor–Outer
37	105–2909	1	Orifice–Control Valve
38	105–2910	2	Orifice–Control Valve
40	105–2911	1	Coupler
41	105–2912	2	Ring–Retaining
42	105–2913	1	Valve–Bypass
43	94–3030	1	Washer
44	93–6336	8	Washer
45	3256–24	4	Washer–Flat

☆ Not serviced separately



Sheet No.:B2

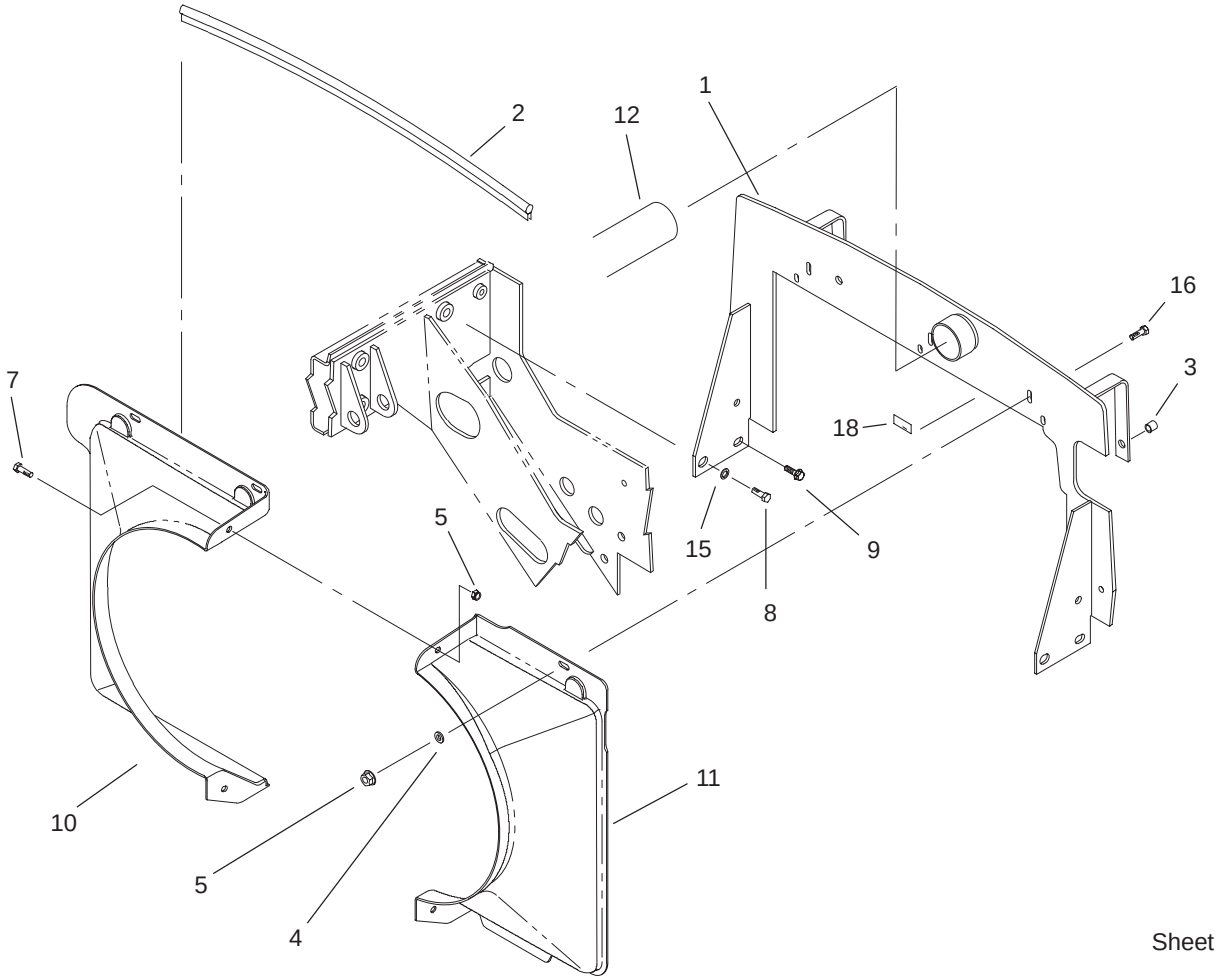
T–2119

Manual Servo Control Assembly No. 93–6306

Ref. No.	Part No.	Qty.	Description
☆1		1	Plug
☆3		1	Ring–Retaining
☆4		2	Retainer–Spring
☆5		1	Spring
☆6		1	Valve–Spool
☆7		1	Housing–Control
☆8		1	Shaft–Input
☆12		1	Adaptor
☆13		1	Ball
☆14		1	Pin
15	94–3043	1	Switch–Safety, Neutral
☆17		1	Screw–Set
☆18		1	Screw–Set
☆19		1	Pin
☆20		1	Ring–Retaining
☆21		1	Link
☆22		1	Pin–Dowel
☆23		1	Crank–Bell
☆24		1	Screw–Set
25	94–3044	1	Seal Kit
☆25:1		1	O–Ring
☆25:2		1	O–Ring
☆25:3		1	Seal–Wiper
☆25:4		1	O–Ring
☆25:5		1	O–Ring

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

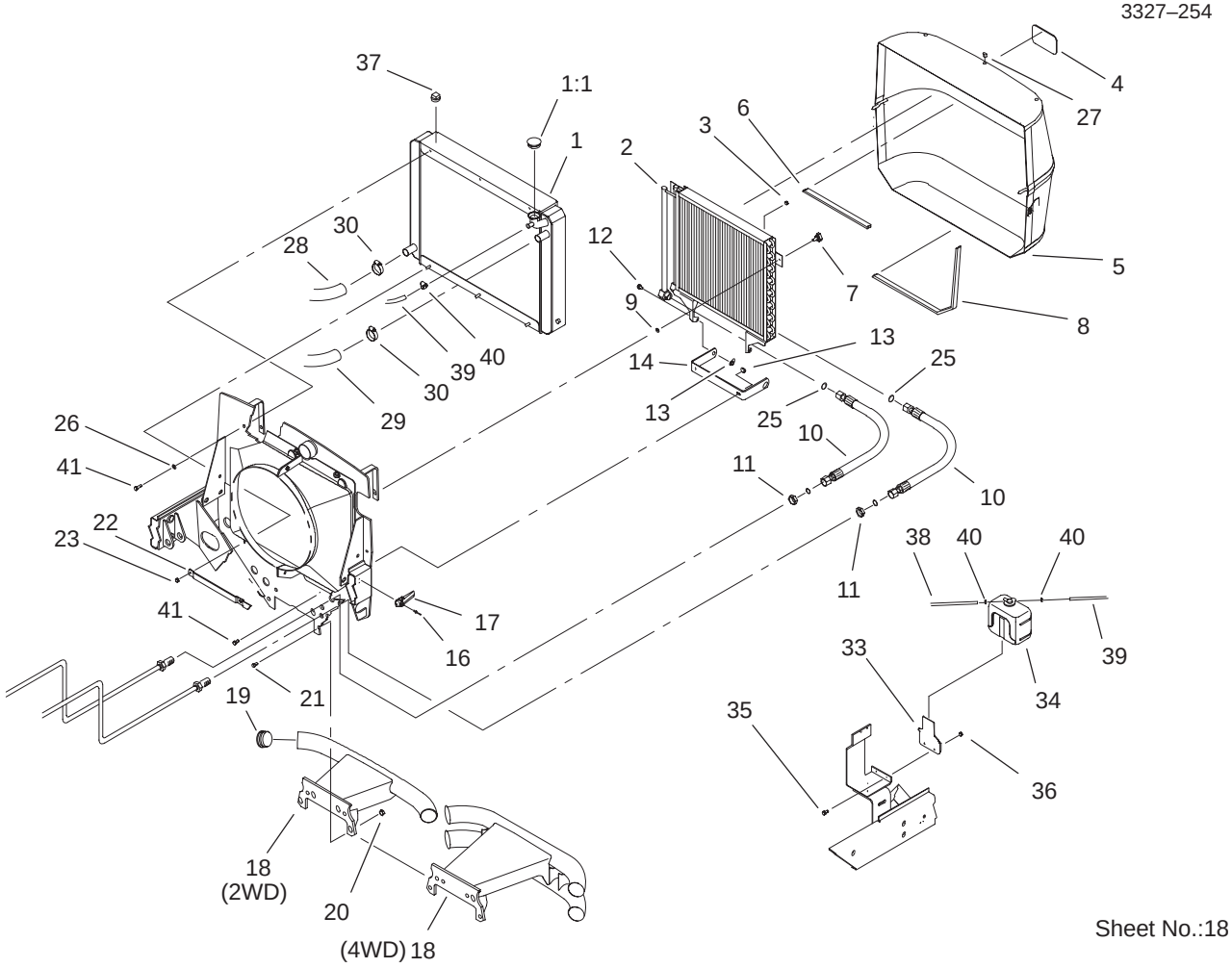


Sheet No.:17

Radiator Support and Shroud Assembly

Ref. No.	Part No.	Qty.	Description
1	104–3783–03	1	Support–Radiator
2	93–7553	1	Seal–Hood
3	32148–10	2	Insert–Threaded
4	3256–56	3	Washer–Flat
5	32128–20	5	Nut–HF
7	3234–5	2	Screw
8	33118–025	2	Screw–HH
9	3234–18	2	Screw–HHF
10	105–0104	1	Shroud–Fan, RH
11	105–0103	1	Shroud–Fan, LH
12	104–5209	1	Hose–Air Cleaner
15	3256–27	2	Washer–Flat
16	3230–2	3	Screw–CARR
18	93–6681	1	Decal–Warning, Fan

Ref. No.	Part No.	Qty.	Description

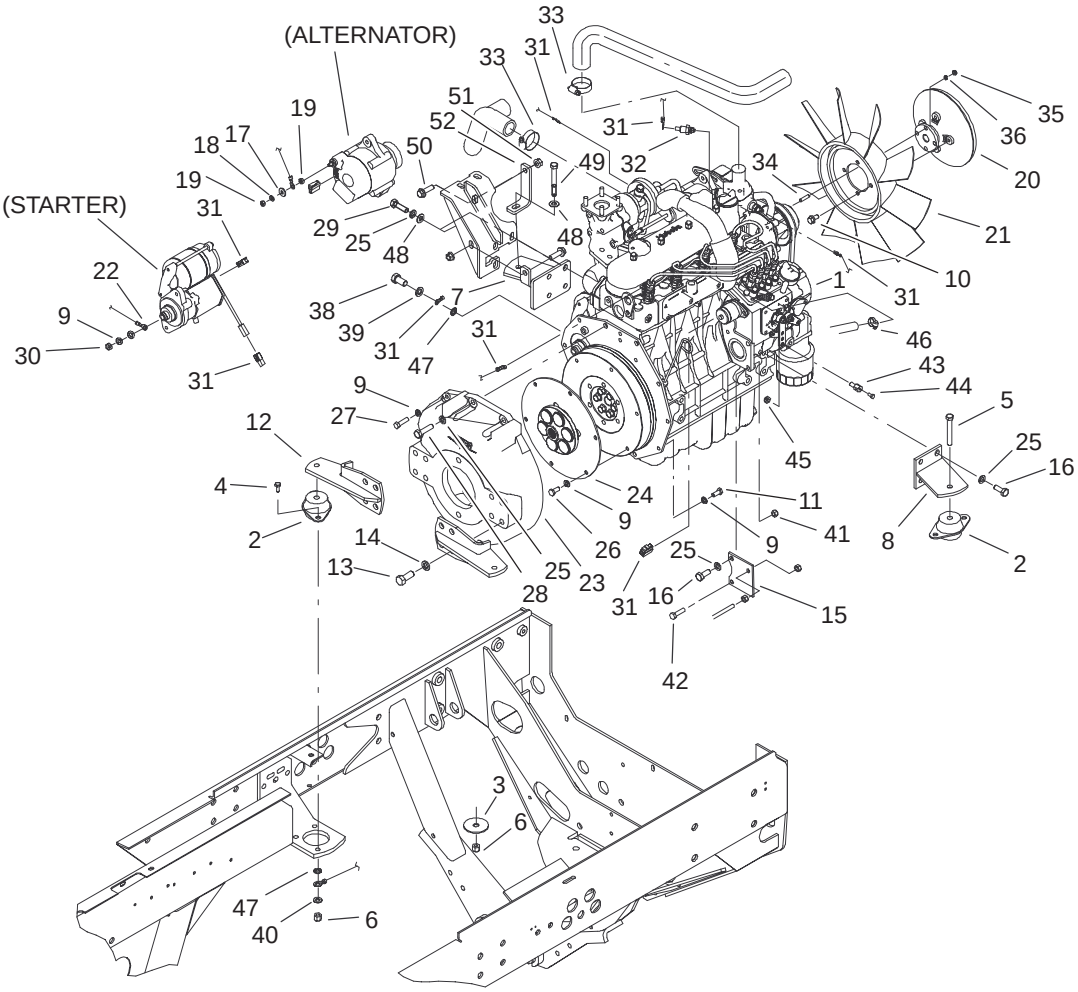


Sheet No.:18

Radiator and Screen Assembly

Ref. No.	Part No.	Qty.	Description
1	104–3780	1	Radiator ASM
1:1	93–5957	1	Cap–Radiator
2	82–3740	1	Cooler–Oil
3	94–2638	4	Nut–Tinnerman
4	93–6028	1	Plate–Logo, Toro
5	92–7505–03	1	Screen
6	92–7631	1	Seal–Screen
7	77–3620	2	Knob–Retainer
8	93–4208	1	Seal–Strip Screen
9	32151–72	2	Ring–Retaining
10	92–7535	2	Hose ASM
11	340–74	2	Locknut–Bulkhead
12	37–8771	2	Bolt–Shoulder
13	32128–20	2	Nut–HF
14	92–7516–03	1	Bracket–Support, Cooler Base
16	3269–4	4	Rivet–Pop
17	69–3020	2	Latch–Camloc
18	100–3758–03	1	Bumper (only on: 03807)
18	100–3776–03	1	Bumper–Short (only on: 03806)
19	2410–42	4	Cap–End (only on: 03807)
19	2410–42	2	Cap–End (only on: 03806)

Ref. No.	Part No.	Qty.	Description
20	3296–25	4	Nut–Lock NI
21	325–6	4	Screw–HH
22	92–7416–03	1	Strap–Radiator
23	3296–29	3	Nut–Lock, NI
25	237–65	2	O–Ring
26	3256–23	3	Washer–Flat
27	2410–64	3	Plug–Button
28	104–3781	1	Hose–Radiator, Lower
29	104–3782	1	Hose–Radiator, Upper
30	2412–34	2	Clamp–Hose
33	98–4576	1	Bracket–Reservoir Water
34	104–9318	1	Bottle–Overflow, Water
35	321–4	2	Screw–HH
36	3296–42	2	Nut–Lock, NI
37	281–13	1	Plug–Pipe
38	98–7895	1	Tube
39	54–8040	1	Hose–Fuel
40	2412–108	2	Clamp–Worm
41	3234–5	5	Screw

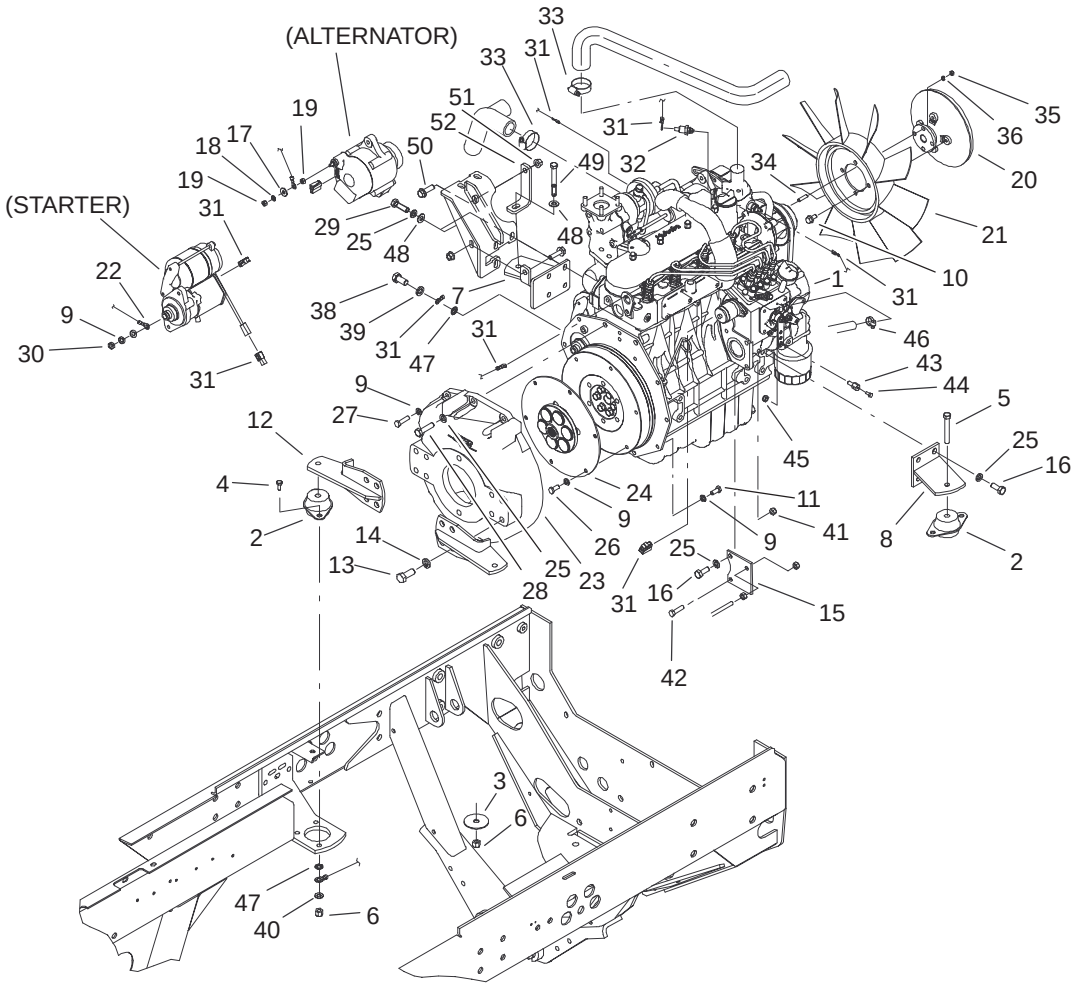


Sheet No.:19

Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	104–3715	1	Engine–Kubota, V1505–T–Eb–Toro–1
2	53–9680	4	Mount–Engine
3	87–5100	4	Washer–Snubbing
4	323–7	7	Screw–HH
5	323–13	3	Screw–HH
6	3296–39	11	Nut–Lock, NI
7	105–7914–03	1	Bracket–Engine
8	104–3762–03	1	Bracket–Engine, Front LH
9	42–9850	15	Washer–Lock, Spring
10	3234–7	4	Screw–HHF
11	33114–020	2	Screw–HH
12	104–3764–03	2	Plate–Engine, Rear
13	325–5	8	Screw–HH
14	3253–7	8	Washer–Lock
15	104–3778–03	1	Plate–Throttle
16	63–7790	6	Screw–Cap
17	3256–78	1	Washer–Flat
18	43–5930	1	Washer–Spring
19	48–7890	1	Nut
20	105–0129	1	Clutch–Fan
21	74–3650	1	Fan
22	99–3441	1	Harness–Wire, Fusible Link

Ref. No.	Part No.	Qty.	Description
23	105–0100	1	Flywheel Housing ASM
24	105–0101	1	Flywheel Coupling ASM
25	42–9600	11	Lockwasher–Spring
26	33114–016	6	Screw–HH
27	33114–030	6	Screw–HH
28	87–3700	2	Screw
29	99–6058	3	Screw – Cap
30	57–6390	1	Nut–Jam
31	105–9273	1	Harness–Wire, Engine
32	98–9346	1	Sender–Temperature
33	2412–34	2	Clamp–Hose
34	104–5222	4	Stud
35	33013–00	4	Nut–Hex
36	3253–18	4	Washer–Lock/Sp
38	42–9250	1	Bolt
39	48–8070	1	Washer–Lock
40	3256–3	1	Washer–Flat
41	33024–00	1	Nut–Lock
42	33114–030	1	Screw–HH
43	98–9311	1	Swivel–Throttle
44	25–8640	1	Screw–HH
45	3296–20	1	Nut–Lock, NI
46	2412–108	2	Clamp–Worm

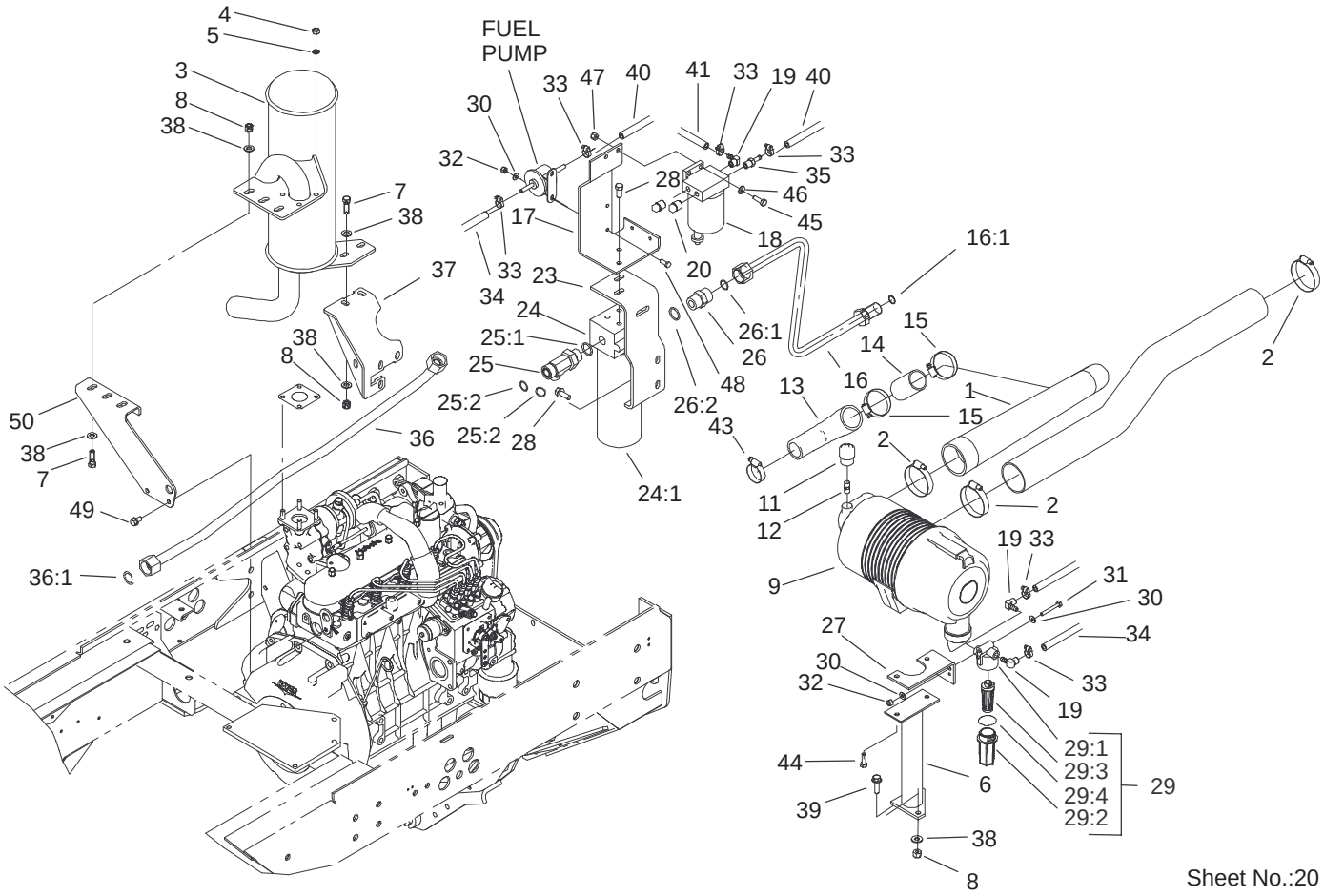


Sheet No.:19

Engine Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
47	3255–9	2	Washer–Lock/Ext
48	48–9220	3	Washer
49	323–14	1	Screw–HH
50	66–9300	2	Screw–HF
51	32128–21	2	Nut–HF
52	105–7931–03	1	Bracket–Support

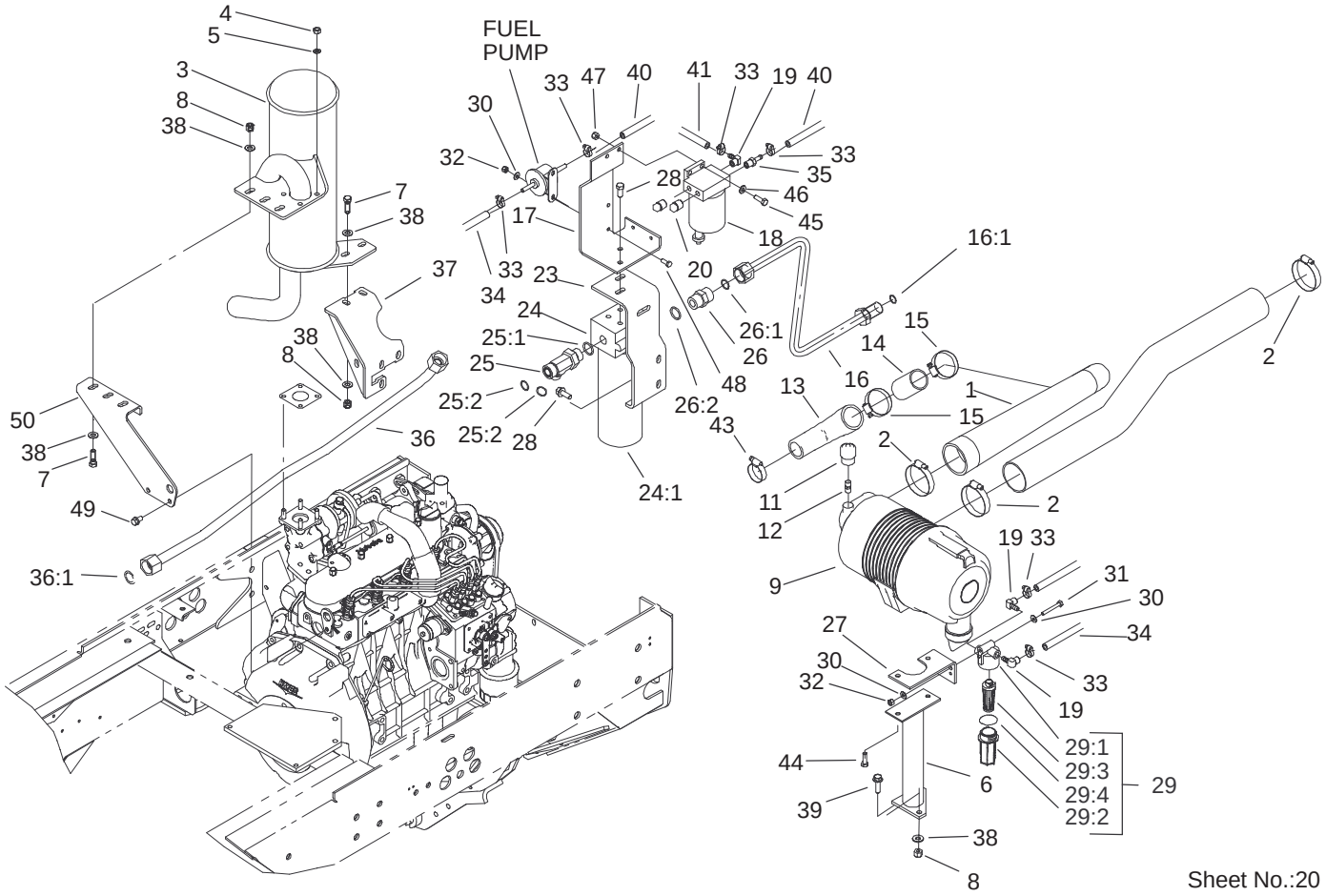
Ref. No.	Part No.	Qty.	Description



Muffler, Oil / Water / Fuel Filter and Air Cleaner Assembly

Ref. No.	Part No.	Qty.	Description
1	104–5208	1	Hose–Turbo, Air Cleaner
2	2412–125	3	Clamp–Hose (only on: 03807)
3	105–9260	1	Muffler ASM
4	33014–00	4	Nut–Hex
5	42–9850	4	Washer–Lock, Spring
6	104–5217–03	1	Support–Air Filter
7	323–7	5	Screw–HH
8	3296–39	7	Nut–Lock, NI
9	100–2597	1	Air Filter ASM
11	93–9164	1	Indicator–Mini
12	94–1416	1	Indicator Adapter ASM
13	104–5207	1	Hose–Turbo
14	104–5214	1	Spacer–Tubular
15	2412–92	2	Clamp–Hose
16	104–3742	1	Hyd Filter Tube ASM
16:1	237–65	1	O–Ring
17	104–3776–03	1	Bracket–Fuel Separator
18	98–9305	1	Filter–Water/Fuel
19	353–781	3	Fitting
20	281–13	2	Plug–Pipe
23	104–5213–03	1	Bracket–Filter, Oil
24	94–2620	1	Oil Filter ASM
24:1	94–2621	1	Element–Filter

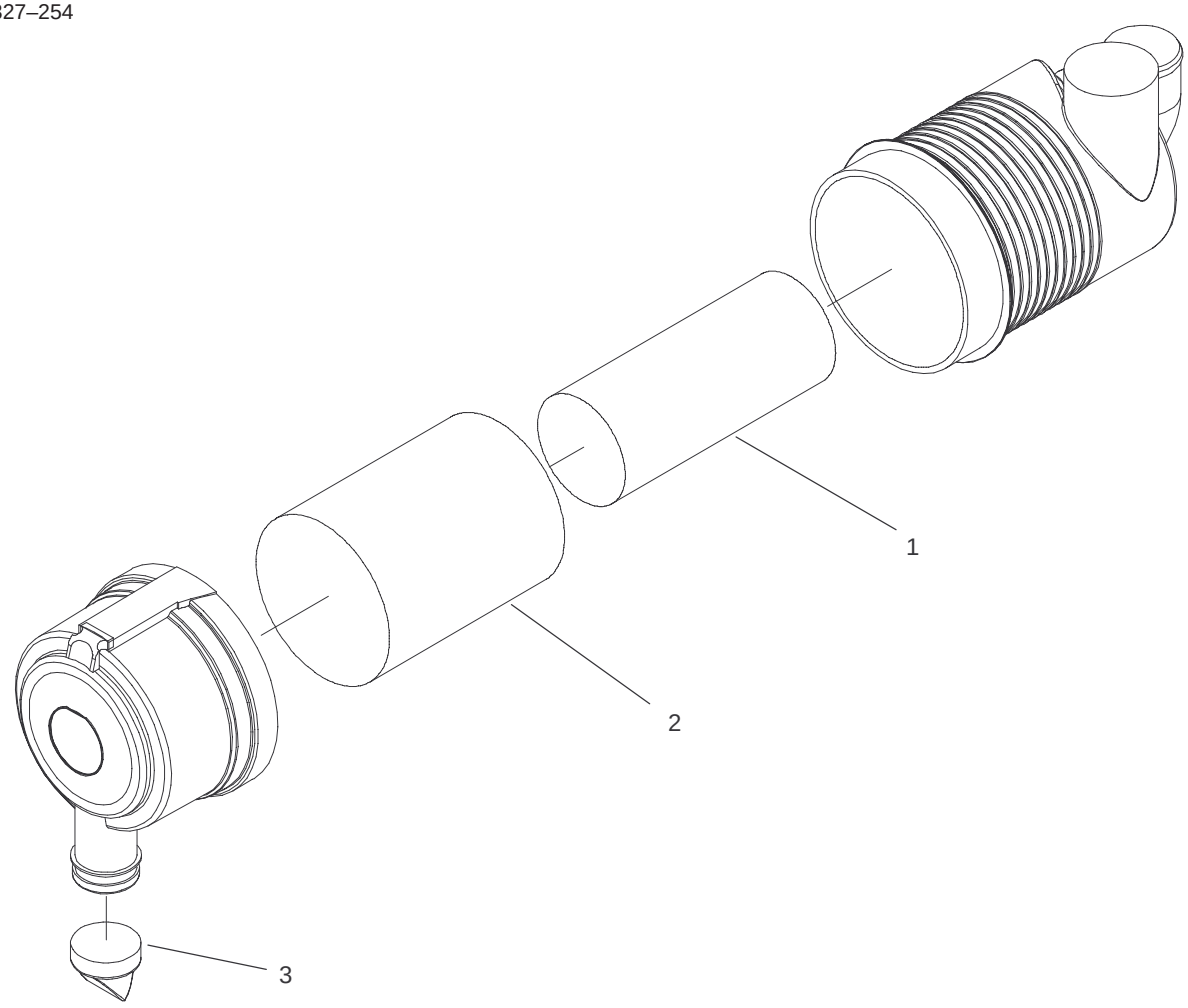
Ref. No.	Part No.	Qty.	Description
25	340–148	1	Fitting
25:1	237–81	1	O–Ring
25:2	237–58	2	O–Ring
26	340–9	1	Fitting–Straight
26:1	237–58	1	O–Ring
26:2	237–81	1	O–Ring
27	104–3768–03	1	Bracket–Fuel Filter
28	3234–25	4	Bolt–HF
29	99–8351	1	Filter–Fuel, Inline
29:1	99–8356	1	Head W/Label Kit
29:2	99–8357	1	Bowel Kit
29:3	99–8358	1	Element Kit
29:4	99–8359	1	O–Ring
30	3256–1	2	Washer–Flat
31	321–11	1	Screw–HH
32	3296–42	3	Nut–Lock, NI
33	2412–108	6	Clamp–Worm
34	54–8040	1	Hose–Fuel
35	353–783	1	Fitting–Pump
36	104–3749	1	Hyd Tube ASM
36:1	237–58	1	O–Ring
37	105–7910–03	1	Support–Muffler
38	3256–56	12	Washer–Flat
39	3234–24	2	Screw–HHF
40	92–9283	1	Hose–Fuel
41	63–7627	1	Hose–Fuel



Muffler, Oil / Water / Fuel Filter and Air Cleaner Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
43	2412–3	1	Clamp–Hose
44	33104–030	2	Screw–HHF
45	322–5	2	Screw–HH
46	3256–23	2	Washer–Flat
47	3296–29	2	Nut–Lock, NI
48	321–4	2	Screw–HH
49	33114–016	2	Screw–HH
50	105–9258–03	1	Bracket–Muffler, Upper

Ref. No.	Part No.	Qty.	Description

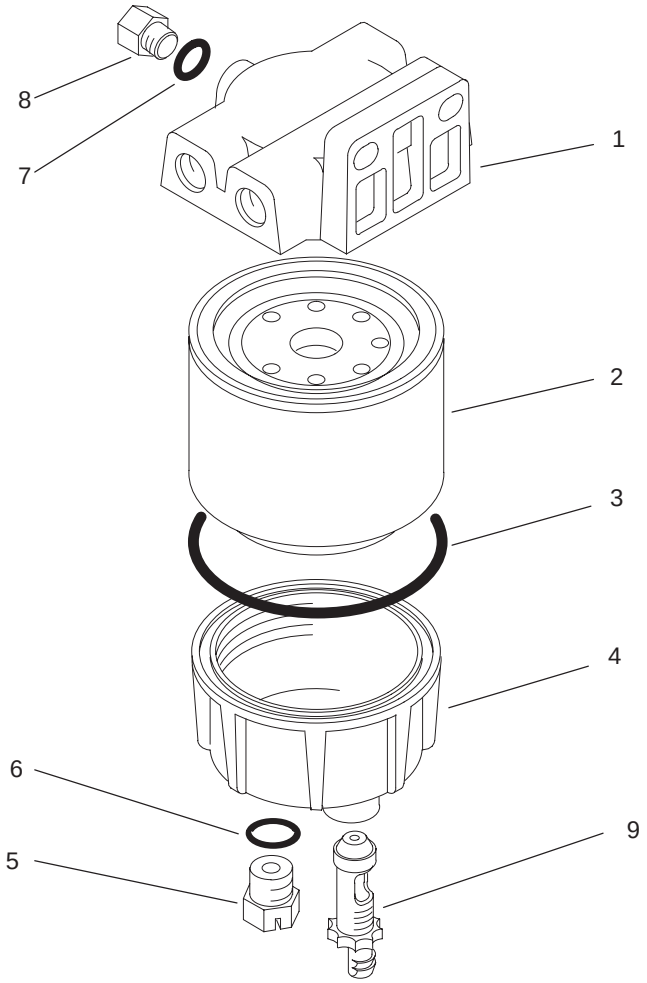


Sheet No.:B3
T–3774

Air Filter Assembly No. 100–2597

Ref. No.	Part No.	Qty.	Description
1	93–9162	1	Filter–Primary
2	93–9163	1	Filter–Secondary
3	94–1414	1	Valve–Vacuator

Ref. No.	Part No.	Qty.	Description

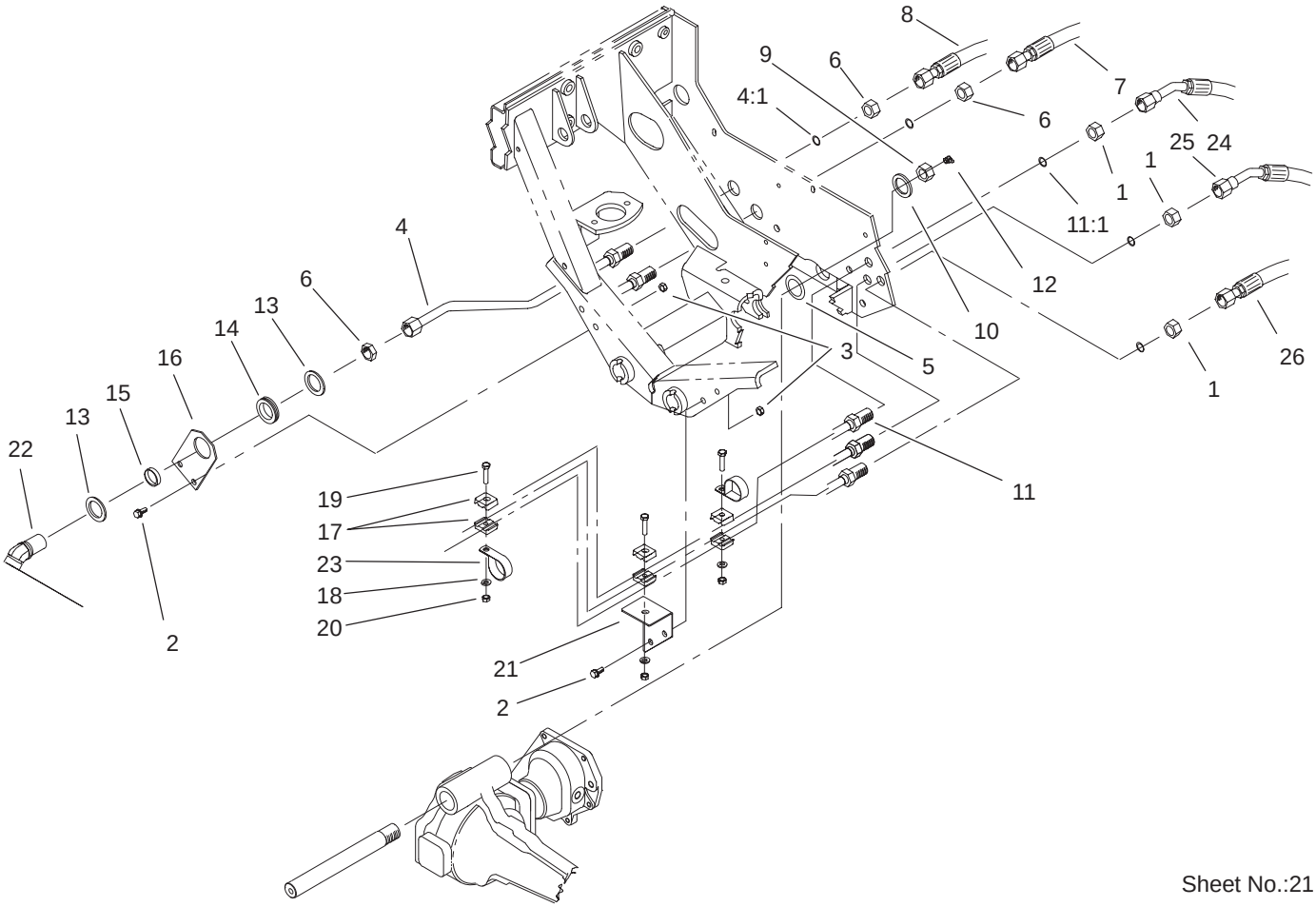


Sheet No.:B4
T–3330

Water and Fuel Filter 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

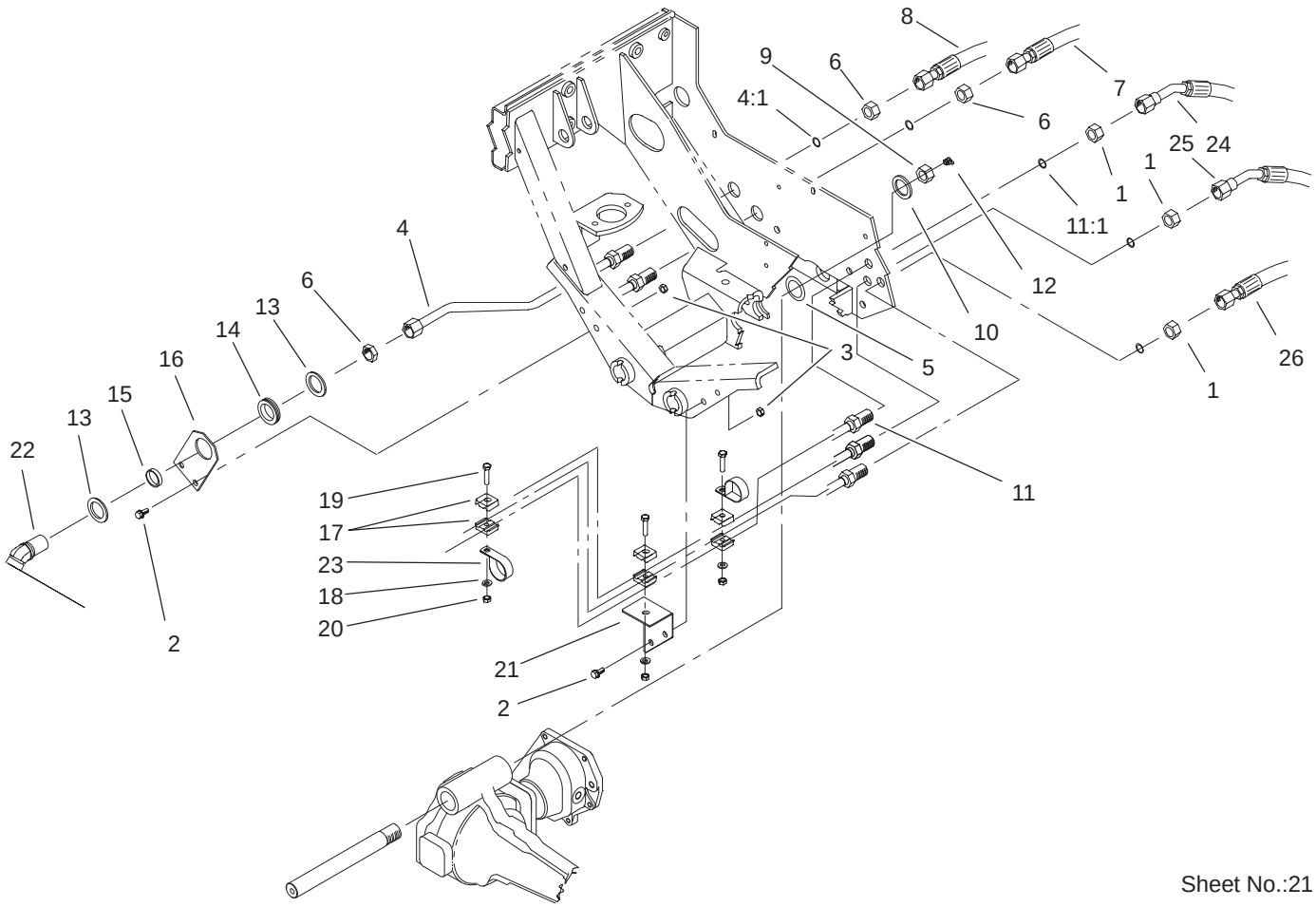


Sheet No.:21

Rear Hydraulic Assembly

Ref. No.	Part No.	Qty.	Description
1	340–70	3	Locknut–Bulkhead (only on: 03807)
2	323–6	4	Screw–HH (only on: 03807)
3	32128–21	4	Nut–HF (only on: 03807)
4	104–3735	1	Hyd Tube ASM (only on: 03807)
4:1	237–58	1	O–Ring (only on: 03807)
5	98–3867	2	Washer–Thrust (only on: 03807)
6	340–126	3	Nut–Bulkhead (only on: 03807)
7	92–7537	1	Hose ASM (only on: 03807)
8	92–7536	1	Hose ASM (only on: 03807)
9	3296–68	1	Nut–Lock NI (only on: 03807)
10	92–1765	1	Washer–Thrust (only on: 03807)
11	104–3729	1	Hyd Tube Drain ASM (only on: 03807)
11:1	237–22	1	O–Ring (only on: 03807)

Ref. No.	Part No.	Qty.	Description
12	302–33	1	Fitting–Grease (only on: 03807)
13	69–8910	2	Washer (only on: 03807)
14	240–7	1	Grommet–Rubber (only on: 03807)
15	69–8900	1	Spacer (only on: 03807)
16	104–3774–03	1	Bracket–Bulkhead (only on: 03807)
17	56–7973	12	Clamp–Tube (only on: 03807)
17	56–7973	10	Clamp–Tube (only on: 03806)
18	3256–23	6	Washer–Flat
19	322–7	4	Screw–HH
20	3296–47	4	Nut–Lock, NI
21	104–3752–03	1	Bracket–Clamp
22	105–0144	1	Fitting–45° (only on: 03807)
23	2412–147	3	Clamp
24	92–7534	1	Hose ASM (only on: 03807)
25	92–7539	1	Hose ASM (only on: 03807)

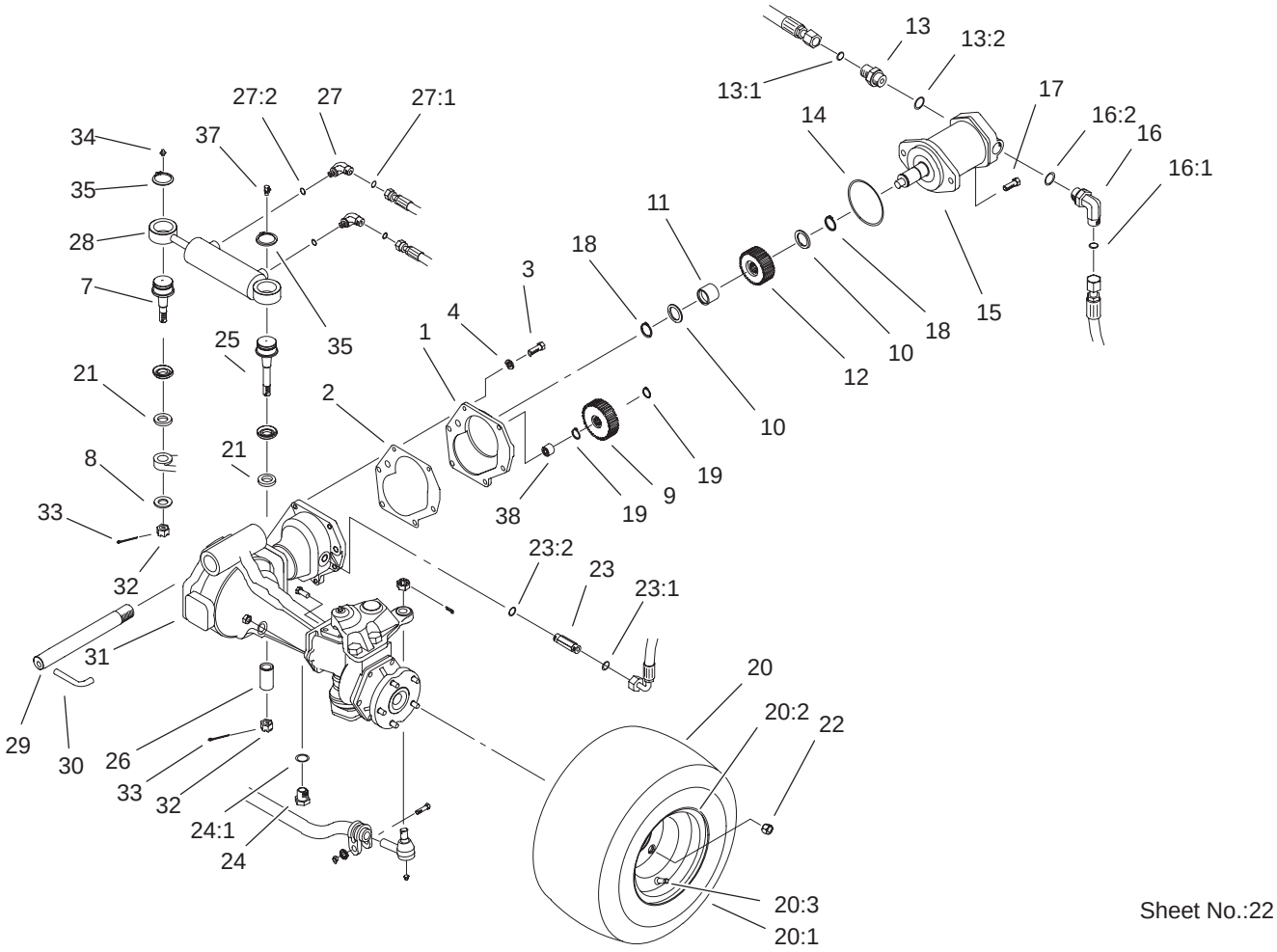


Sheet No.:21

Rear Hydraulic Assembly

Ref. No.	Part No.	Qty.	Description
26	92–7538	1	Hose ASM (only on: 03807)

Ref. No.	Part No.	Qty.	Description



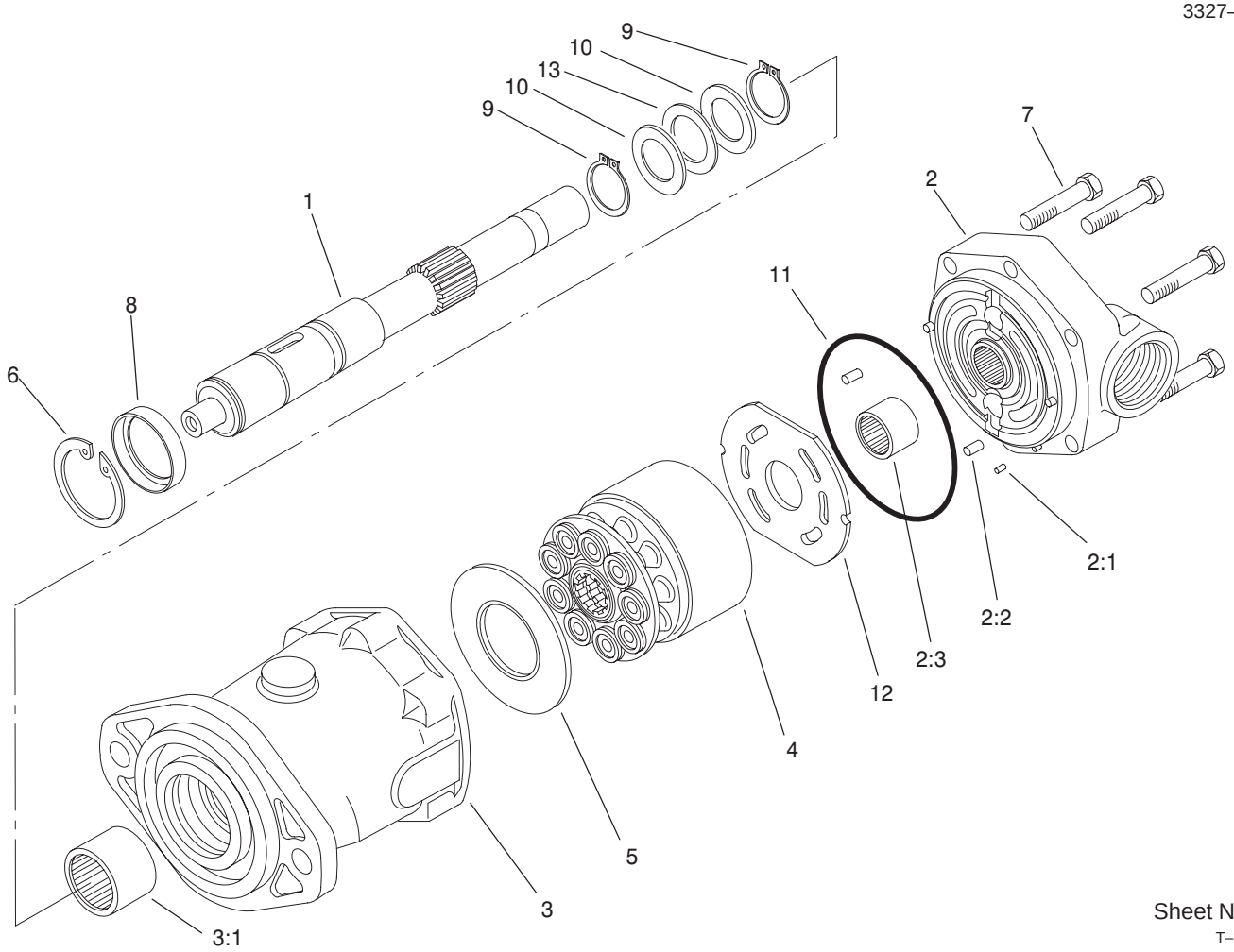
Sheet No.:22

4 Wheel Drive Axle Assembly (only on: 03807)

Ref. No.	Part No.	Qty.	Description
1	95–7541	1	Plate–Cover
2	95–7540	1	Gasket
3	33114–025	6	Screw–HH
4	3253–4	6	Washer–Lock
7	92–5838–01	1	Joint–Ball
8	92–5836	1	Washer–Axle
9	100–3774	1	Gear–Driven, 10 Pitch
10	71–4590	2	Washer–Thrust
11	71–4580	1	Bearing
12	100–3775	1	Gear–Driver, 10 Pitch
13	340–9	1	Fitting–Straight
13:1	237–58	1	O–Ring
13:2	237–81	1	O–Ring
14	237–166	1	O–Ring
15	92–7386	1	Motor–Hydraulic
16	340–142	1	Elbow–90°
16:1	237–58	1	O–Ring
16:2	237–81	1	O–Ring
17	325–4	2	Screw–HH
18	32151–96	2	Ring–Retaining
19	32120–15	2	Ring–Snap, Ext
☆20		2	Tire And Wheel ASM
20:1	86–5910	1	Tire
20:2	100–2582	1	Rim
20:3	232–27	1	Stem–Valve
21	92–5833	2	Spacer–Joint, Ball

Ref. No.	Part No.	Qty.	Description
22	93–5268	10	Nut–Lug
23	340–2	1	Fitting–Hyd, Straight
23:1	237–22	1	O–Ring
23:2	237–42	1	O–Ring
24	353–989	1	Plug–Hex, Hollow
24:1	237–42	1	O–Ring
25	100–3795	1	Joint–Ball
26	100–3796	1	Spacer–Joint, Ball
27	340–97	2	Fitting–Hyd, 90°
27:1	237–22	1	O–Ring
27:2	237–78	1	O–Ring
28	98–3806	1	Hydraulic Cylinder ASM
29	100–3770	1	Pin–Axle, Pivot
30	100–3771	1	Pin–Stop
31	100–3784	1	Drive Axle ASM
32	32136–14	2	Nut–Shh
33	3272–12	2	Pin–Cotter
34	302–5	1	Fitting–Grease
35	94–9973	2	Ring–Retaining
37	302–60	1	Fitting–Grease
38	74–5700	1	Bearing–Needle, Roller

☆ Not serviced separately



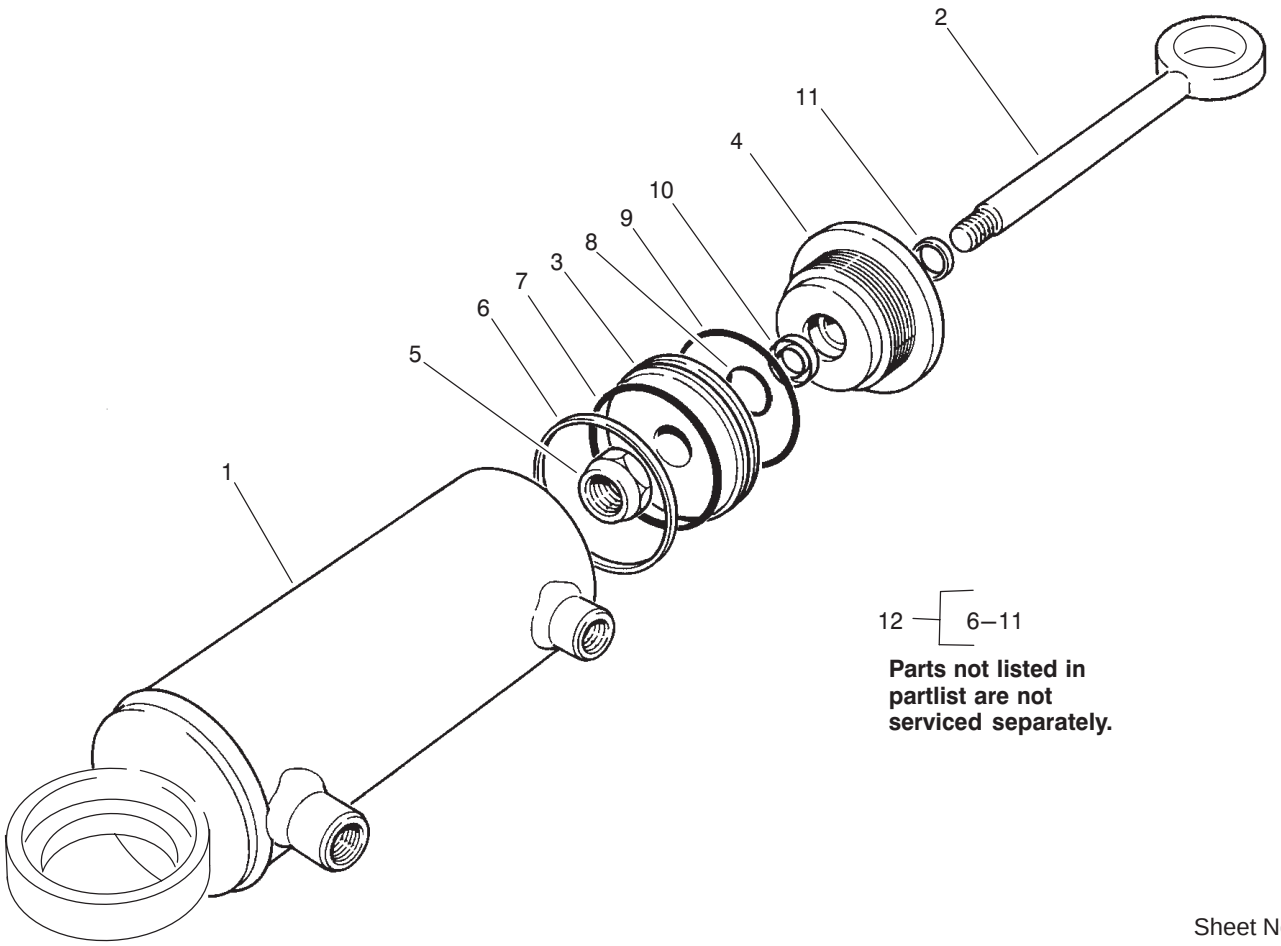
Sheet No.:C5
T–3496

Hydraulic Motor Assembly No. 92–7386 (only on: 03807)

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

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

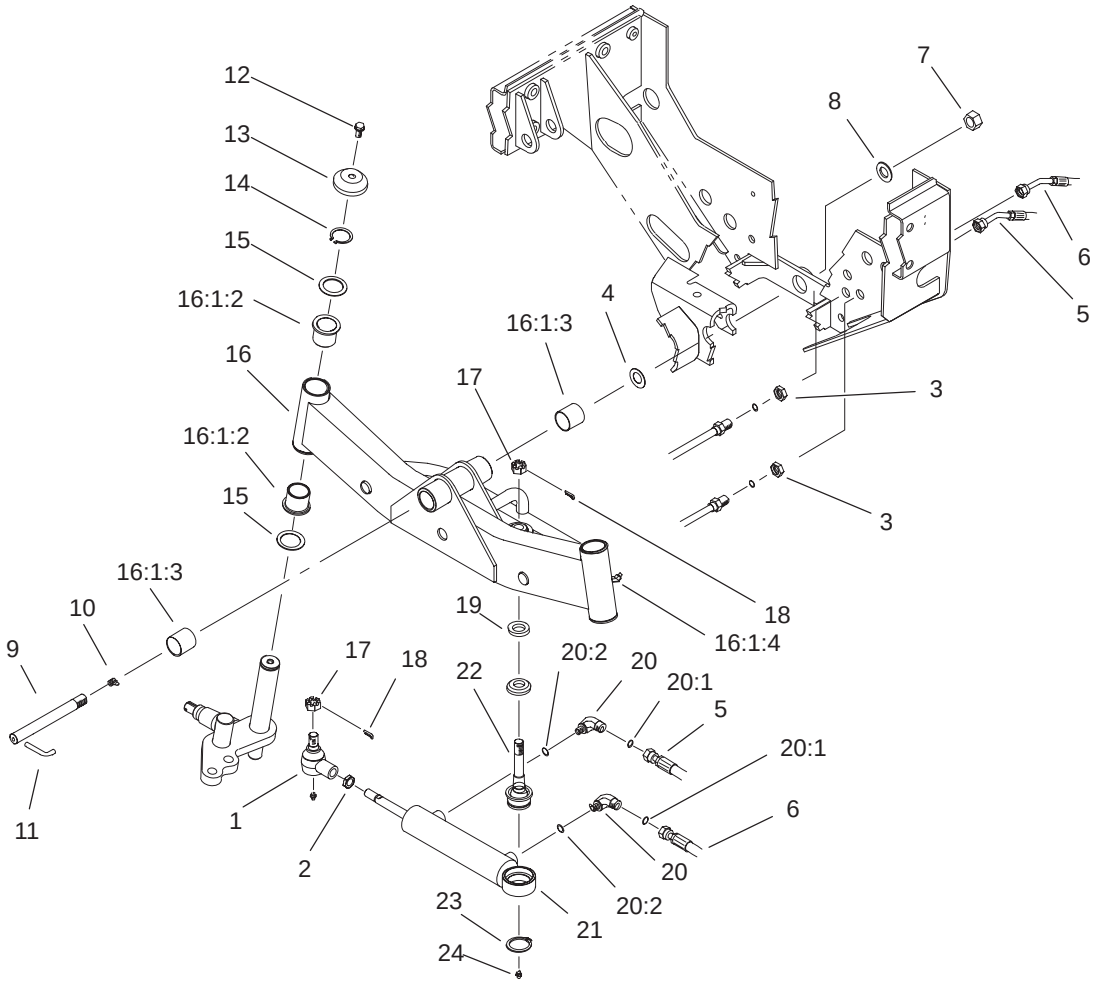


Sheet No.:C6
T–3527

Hydraulic Cylinder Assembly No. 98–3806 (only on: 03807)

Ref. No.	Part No.	Qty.	Description
1	99–4753	1	Butt And Tube ASM
2	99–4754	1	Piston And Rod ASM
3	66–1940	1	Piston
4	92–6588	1	Gland
5	66–1930	1	Locknut
12	92–6593	1	Kit–Seal

Ref. No.	Part No.	Qty.	Description



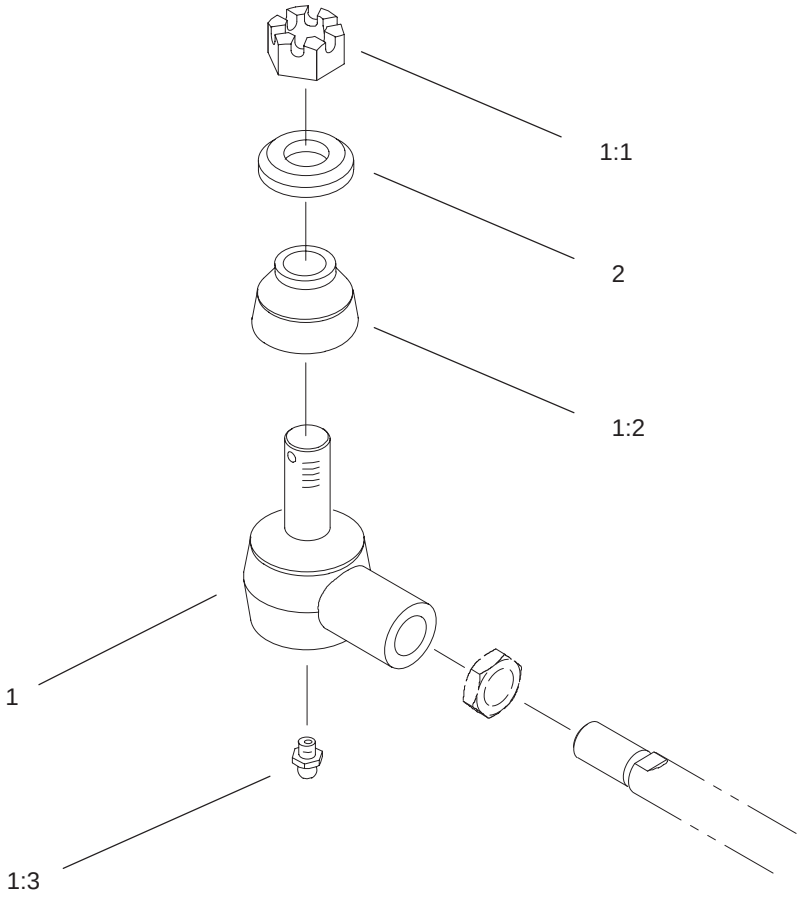
Sheet No.:23

2 Wheel Drive Axle and Power Steering Assembly (only on: 03806)

Ref. No.	Part No.	Qty.	Description
1	105–7843	1	Rod End ASM
2	3220–11	1	Nut–Jam
3	340–70	2	Locknut–Bulkhead
4	98–3867	2	Washer–Thrust
5	92–7595	1	Hose ASM
6	92–7594	1	Hose ASM
7	3296–68	1	Nut–Lock NI
8	92–1765	1	Washer–Thrust
9	100–3770	1	Pin–Axle, Pivot
10	302–33	1	Fitting–Grease
11	100–3771	1	Pin–Stop
12	3234–12	2	Screw–HHF
13	69–8890	2	Cap–Spindle
14	32151–10	2	Ring–Snap
15	62–2170	4	Washer–Thrust
16	100–3785–03	1	Rear Axle ASM
☆16:1		1	Rear Axle ASM
16:1:2	69–6470	4	Bushing–Castor
16:1:3	99–6964	2	Bushing–Axle
16:1:4	302–11	2	Fitting–Lube, 45°
17	32136–14	1	Nut–Shh
18	3272–12	2	Pin–Cotter
19	92–5833	1	Spacer–Joint, Ball
20	340–97	2	Fitting–Hyd, 90°

Ref. No.	Part No.	Qty.	Description
20:1	237–22	1	O–Ring
20:2	237–78	1	O–Ring
21	94–8142	1	Hyd Cylinder ASM
22	92–5839	1	Joint–Ball
23	94–9973	1	Ring–Retaining
24	302–5	1	Fitting–Grease

☆ Not serviced separately



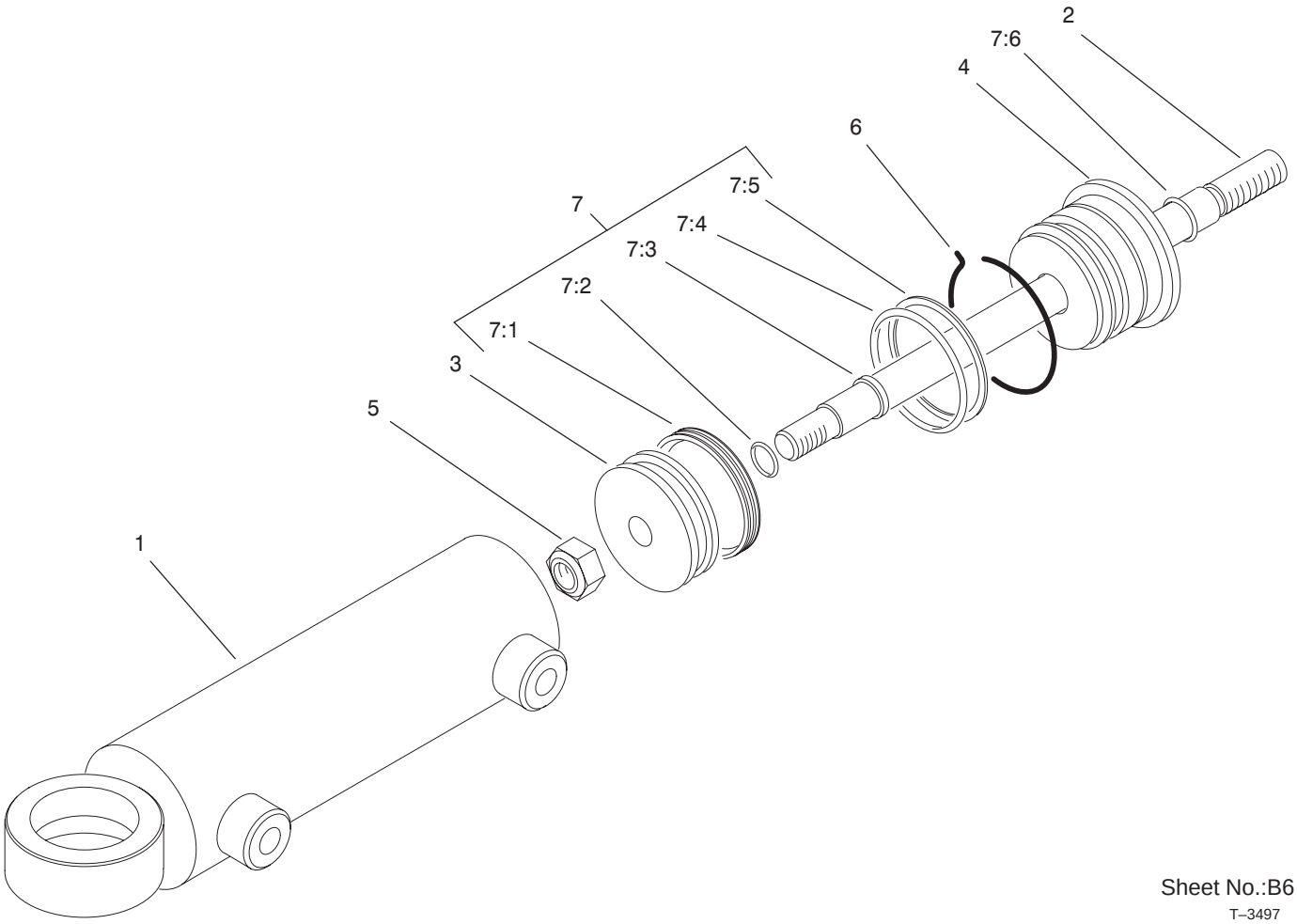
Sheet No.:B5

Tie Rod End Assembly No. 105–7843 (only on: 03806)

Ref. No.	Part No.	Qty.	Description
☆1		1	Rod End–Female
1:1	32136–2	1	Nut–Shh
1:2	105–7835	1	Seal
1:3	302–5	1	Fitting–Grease
2	105–7942	1	Spacer

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



Sheet No.:B6

T–3497

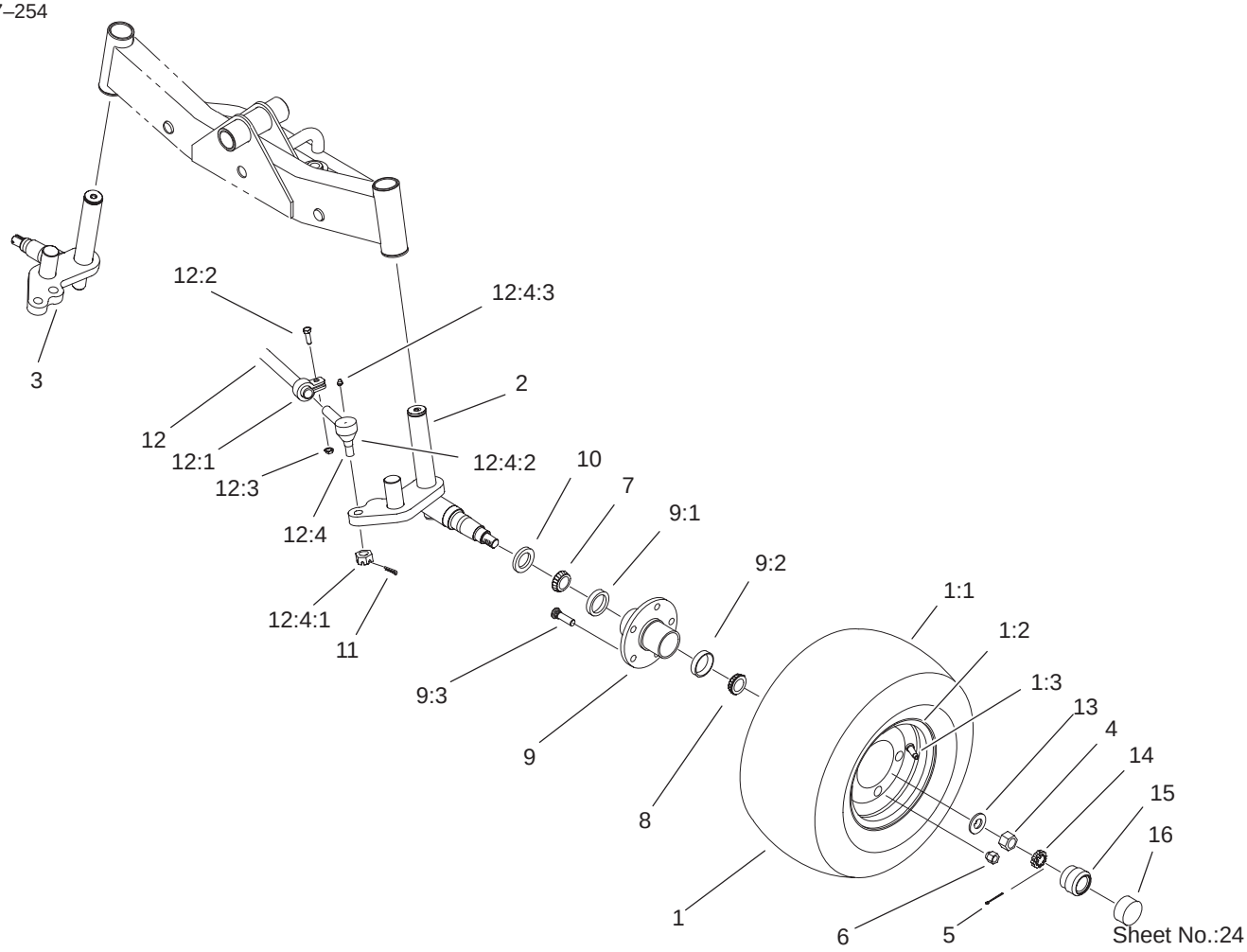
Hydraulic Cylinder Assembly No. 94–8142 (only on: 03806)

Ref. No.	Part No.	Qty.	Description
1	94–9959	1	Barrel ASM
2	94–9960	1	Piston Rod ASM
3	94–9961	1	Piston
4	94–9962	1	Gland–Cylinder
5	32152–10	1	Locknut
6	94–9963	1	Ring–Retaining
7	94–9964	1	Kit–Repair, Seal
☆7:1		1	Uniring
☆7:2		1	O–Ring
☆7:3		1	Seal–Rod
☆7:4		1	O–Ring
☆7:5		1	Backup
☆7:6		1	O–Ring

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

3327–254

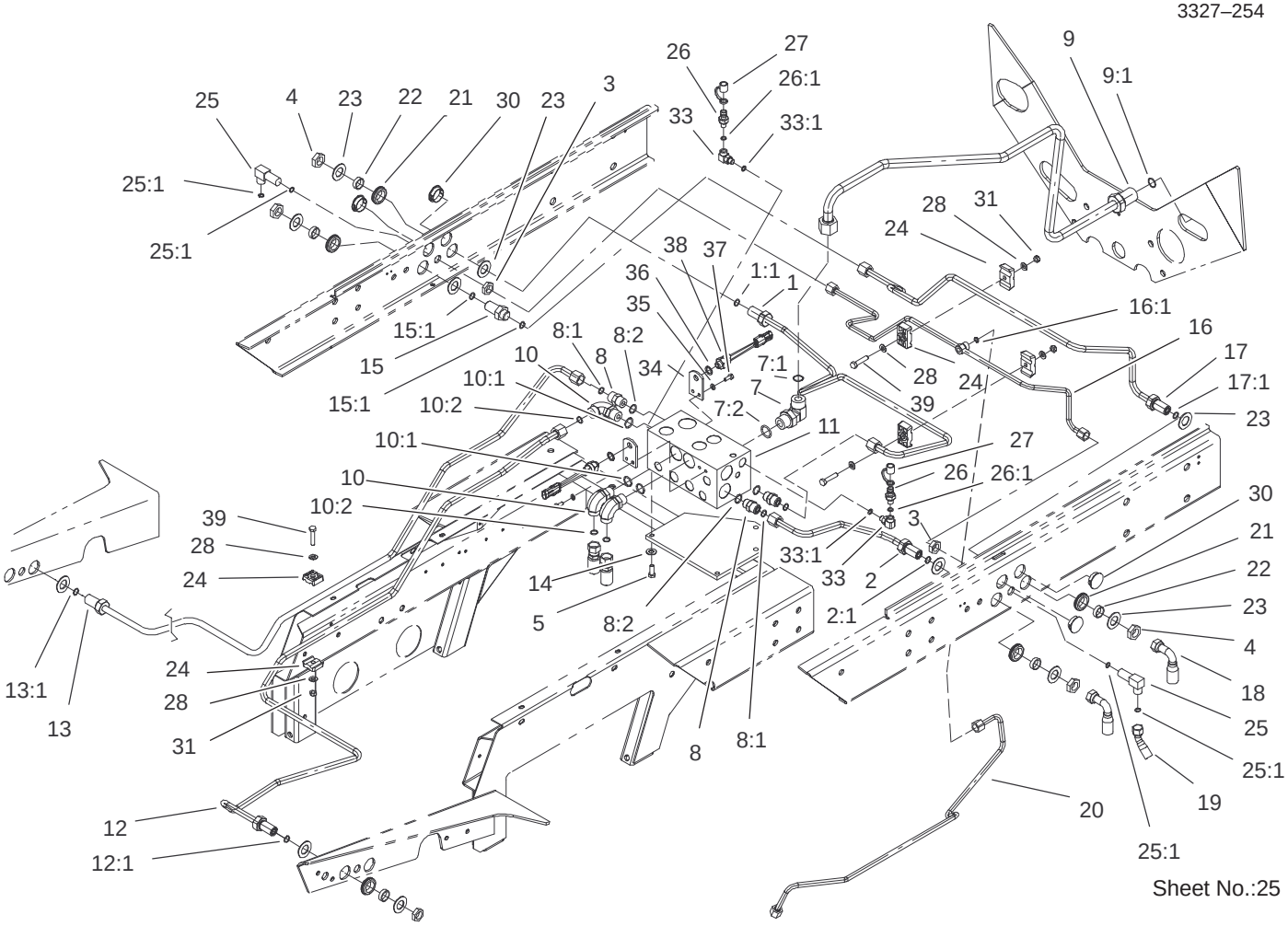


2 Wheel Drive Axle and Wheel Assembly (only on: 03806)

Ref. No.	Part No.	Qty.	Description
☆1		2	Tire And Wheel ASM
1:1	86–5910	1	Tire
1:2	100–2582	1	Rim
1:3	232–27	1	Stem–Valve
2	92–9725–03	1	Spindle–LH
3	92–9724–03	1	Spindle–RH
4	3220–7	2	Nut–Jam
5	3272–13	2	Pin–Cotter
6	242–50	10	Nut–Lug
7	254–106	2	Cone–Bearing, Tapered
8	254–92	2	Cone–Bearing, Outer
9	92–9651	2	Hub Sub ASM
9:1	254–107	1	Cup–Bearing, Tapered
9:2	254–72	1	Bearing–Cup, Tapered
9:3	92–9652	5	Stud–Bolt
10	69–2980	2	Seal
11	3272–12	2	Pin–Cotter
12	98–8839	1	Tie Rod ASM
12:1	98–8840	1	Tube And Clamp ASM
12:2	323–9	2	Screw–HH
12:3	3296–39	2	Nut–Lock, NI
12:4	71–4740	2	End–Rod, Tie
12:4:1	105–7941	1	Nut–Hex, Slotted
12:4:2	71–4760	1	Seal
12:4:3	302–5	1	Fitting–Grease

Ref. No.	Part No.	Qty.	Description
13	93–0309	2	Washer–Tab
14	93–0307	2	Nut–Lock, Retainer
15	100–3769	2	Buddy–Bearing
16	100–3809	2	Cap–Protector, Bearing

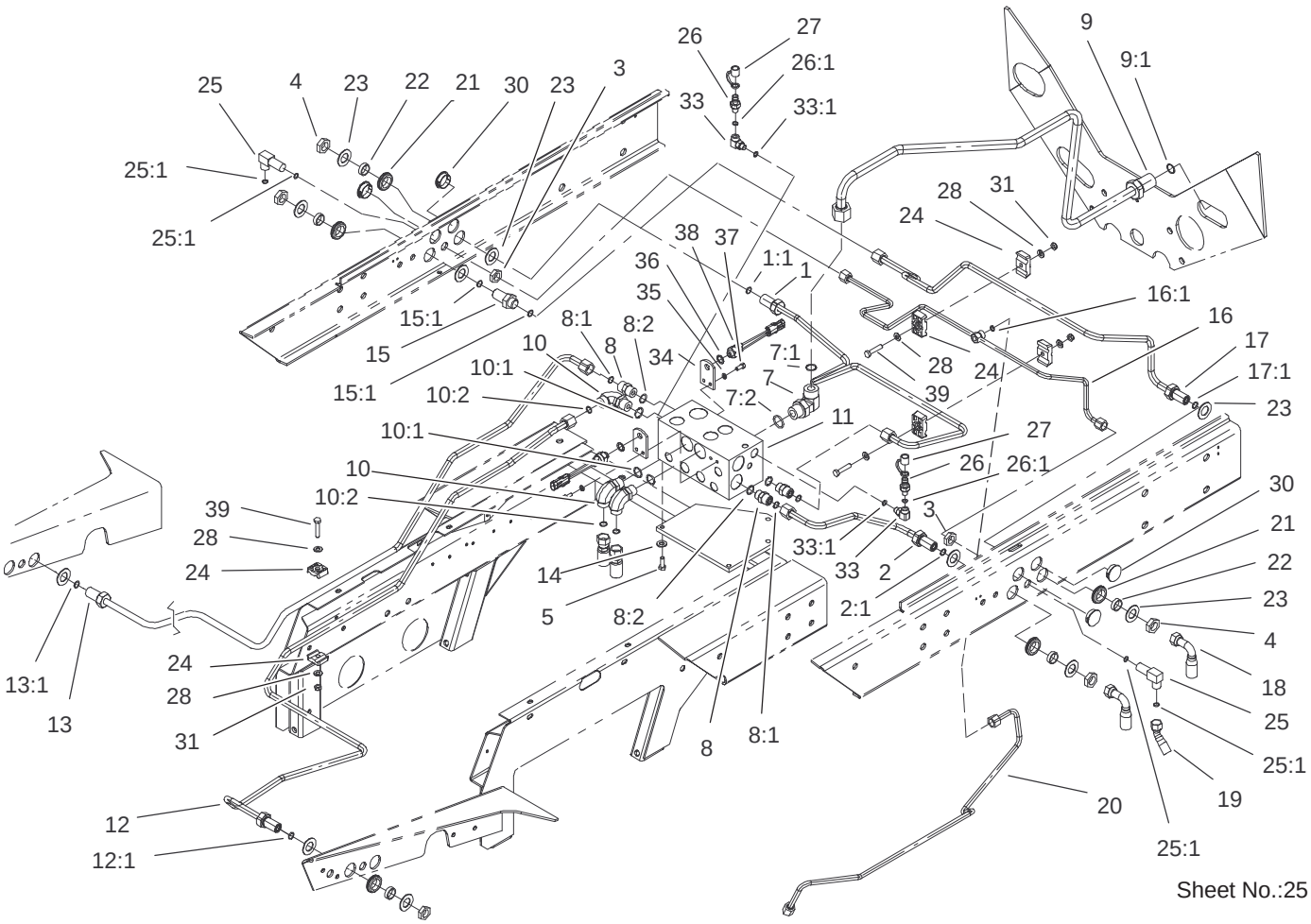
☆ Not serviced separately



Rear Hydraulic Control Block Assembly

Ref. No.	Part No.	Qty.	Description
1	104–3728	1	Hyd Tube ASM
1:1	237–30	1	O–Ring
2	104–3731	1	Hyd Tube ASM
2:1	237–30	1	O–Ring
3	340–70	2	Locknut–Bulkhead
4	340–127	4	Nut–Bulkhead
5	322–4	2	Screw–HH
7	340–142	1	Elbow–90°
7:1	237–58	1	O–Ring
7:2	237–81	1	O–Ring
8	340–6	3	Fitting–Hyd, Straight
8:1	237–30	1	O–Ring
8:2	237–80	1	O–Ring
9	104–3734	1	Hyd Cooler Tube ASM
9:1	237–65	1	O–Ring
10	340–105	3	Fitting–90°
10:1	237–80	1	O–Ring
10:2	237–30	1	O–Ring
11	99–6978	1	Block–Manifold, Mow
12	104–3741	1	Hyd Tube ASM
12:1	237–30	1	O–Ring
13	104–3739	1	Hyd Tube ASM
13:1	237–30	1	O–Ring
14	3253–4	2	Washer–Lock
15	340–161	1	Fitting–Bulkhead
15:1	237–30	2	O–Ring

Ref. No.	Part No.	Qty.	Description
16	104–3723	1	Hyd Tube ASM
16:1	237–22	1	O–Ring
17	104–3724	1	Hyd Tube ASM
17:1	237–30	1	O–Ring
18	105–7903	4	Hose ASM–Hyd
19	99–5614	2	Hyd Hose ASM
20	104–3732	1	Return Drain ASM
21	240–5	4	Grommet
22	69–8960	4	Spacer
23	69–8930	8	Washer
24	56–7972	6	Clamp–Tube
25	340–154	2	Union–Bulkhead
25:1	237–22	2	O–Ring
26	354–77	2	Fitting–Quick
26:1	237–78	1	O–Ring
27	354–79	2	Cap–Dust, Yellow
28	3256–23	6	Washer–Flat
30	94–1402	4	Plug–Hole
31	3296–47	3	Nut–Lock, NI
33	75–6640	2	Fitting–Special
33:1	237–78	1	O–Ring
34	98–8199	2	Bracket–Switch
35	3253–3	4	Washer–Lock
36	3256–76	2	Washer–Flat
37	329–3	4	Screw–HH
38	72–4320	2	Switch

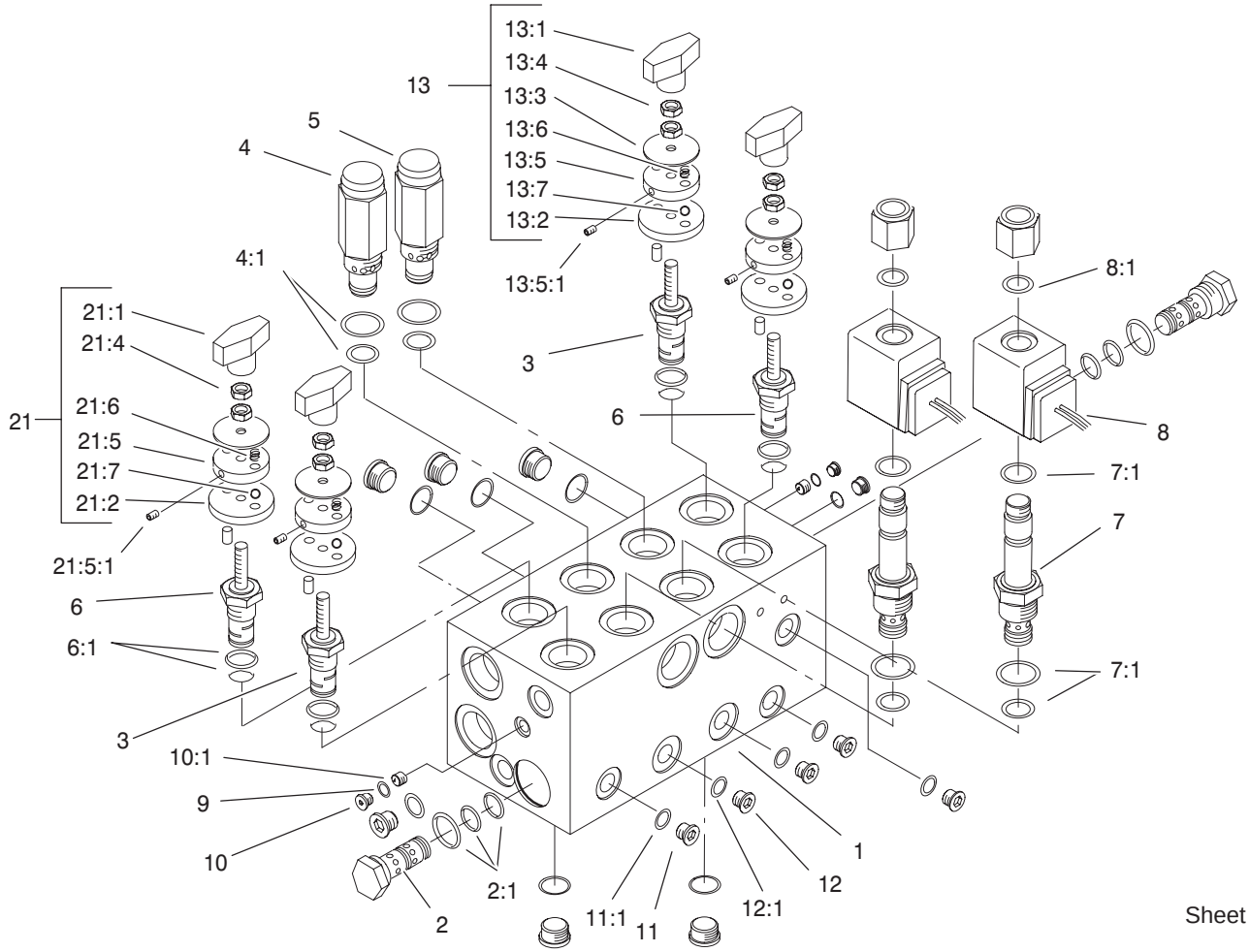


Sheet No.:25

Rear Hydraulic Control Block Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
39	322–7	3	Screw–HH

Ref. No.	Part No.	Qty.	Description



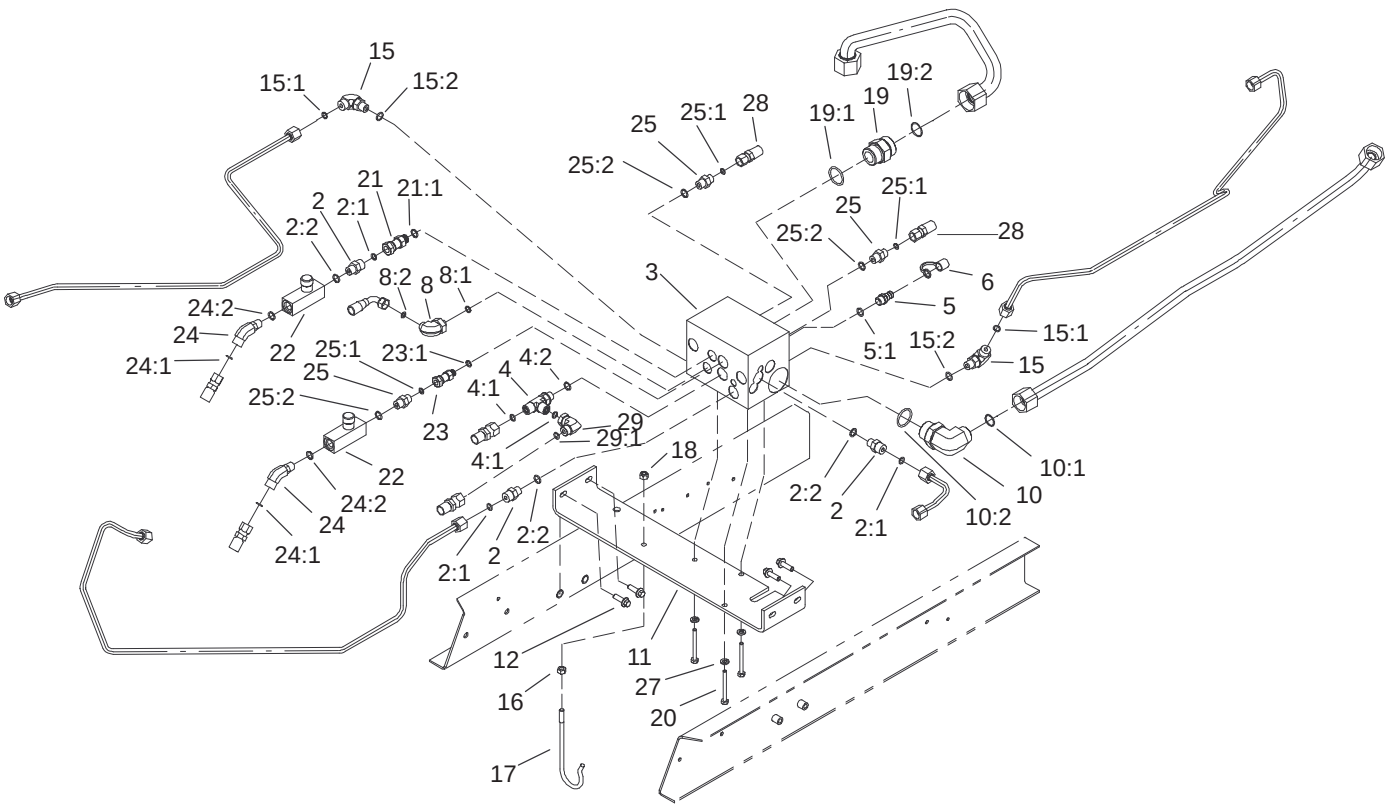
Sheet No.:B7
T–3575

Hydraulic Manifold 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	4–Way Seal Kit
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

☆ Not serviced separately

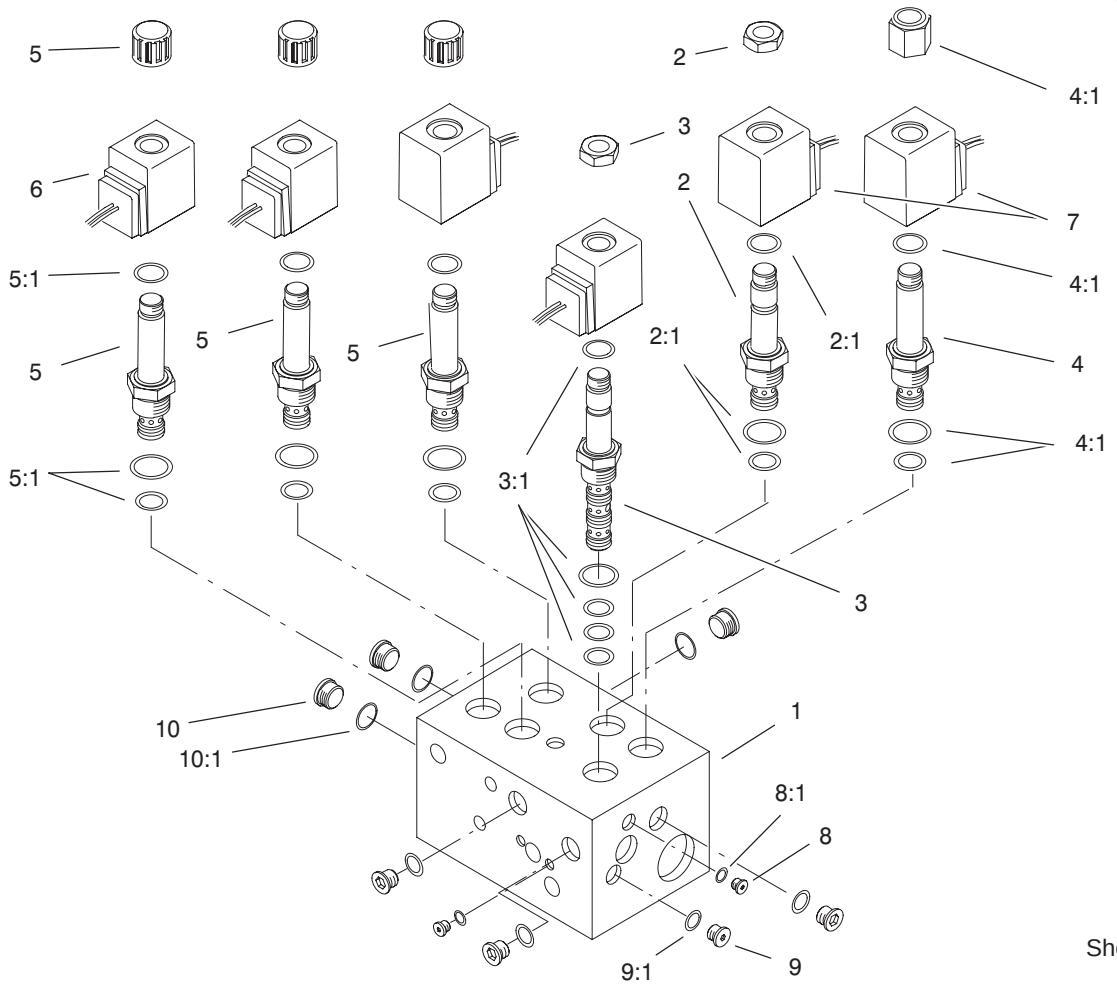


Sheet No.:27

Front Hydraulic Control Block and Hose Assembly

Ref. No.	Part No.	Qty.	Description
2	340–2	3	Fitting–Hyd, Straight
2:1	237–22	1	O–Ring
2:2	237–42	1	O–Ring
3	104–9335	1	Manifold Block–Lift
4	340–86	1	Fitting–Tee, Hyd
4:1	237–22	2	O–Ring
4:2	237–42	1	O–Ring
5	59–7410	1	Tip–Nipple, Diagonal
5:1	237–42	1	O–Ring
6	354–79	1	Cap–Dust, Yellow
8	340–132	1	Fitting–Hyd, 90°
8:1	237–78	1	O–Ring
8:2	237–21	1	O–Ring
10	340–15	1	Adapter
10:1	237–58	1	O–Ring
10:2	237–146	1	O–Ring
11	104–3772–01	1	Bracket–Manifold Block
12	3234–17	4	Screw–HHF
15	340–77	2	Fitting–Hyd, 90°
15:1	237–22	1	O–Ring
15:2	237–42	1	O–Ring
16	3217–6	1	Nut–Hex
17	93–7970	1	Wireform–Hose Hanger
18	3296–29	1	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description
19	104–3797	1	Fitting–Hyd, Straight
19:1	237–146	1	O–Ring
19:2	340–65	1	O–Ring
20	322–3	3	Screw–HH
21	104–3779	1	Connector–Swivel, Straight
21:1	237–42	1	O–Ring
22	98–9742	2	Valve–Control, Flow
23	104–3777	1	Connector–Swivel, Straight
23:1	237–78	1	O–Ring
24	340–137	2	Fitting
24:1	237–21	1	O–Ring
24:2	237–42	1	O–Ring
25	340–1	3	Adapter
25:1	237–35	1	O–Ring
25:2	237–42	1	O–Ring
27	3253–4	3	Washer–Lock
28	104–3716	2	Hyd Hose ASM
29	340–159	1	Fitting–Hyd, 90°
29:1	237–22	2	O–Ring



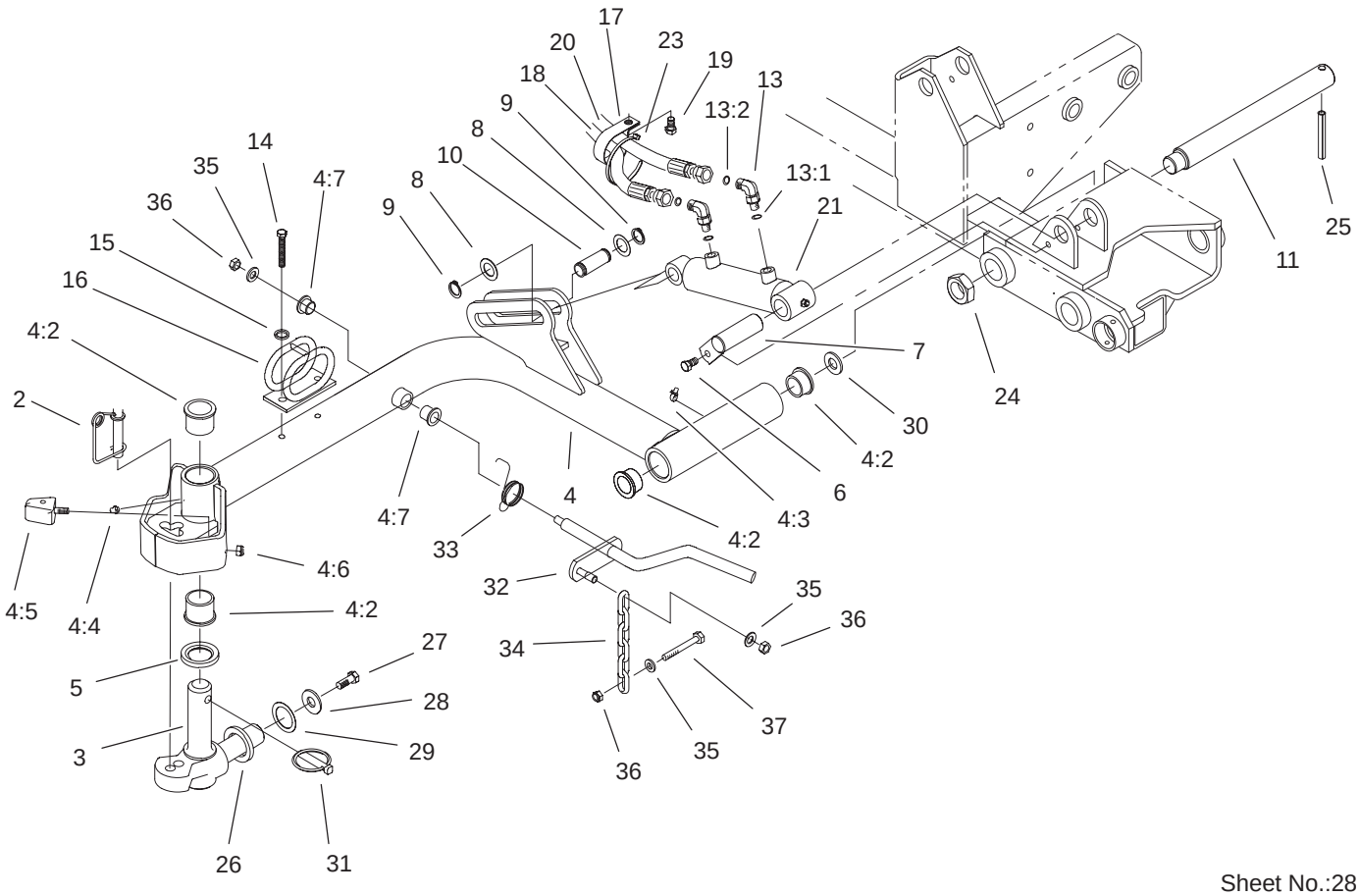
Sheet No.:B8
T–3829

Hydraulic Manifold 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	95–5642	1	Seal Kit
4	93–7494	1	Cartridge
4:1	75–2080	1	Seal Kit
5	105–3327	3	Valve–Cartridge, Double Blocking
5:1	105–3334	1	Seal Kit
6	83–2010	6	Coil–Valve
6:1	94–5438	2	Seal–Solenoid
7	105–3328	3	Coil–Solinoid
8	353–991	4	Plug–Hex, Hollow
8:1	237–156	1	O–Ring
9	353–990	1	Plug
9:1	237–78	1	O–Ring
10	353–989	7	Plug–Hex, Hollow
10:1	237–42	1	O–Ring

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

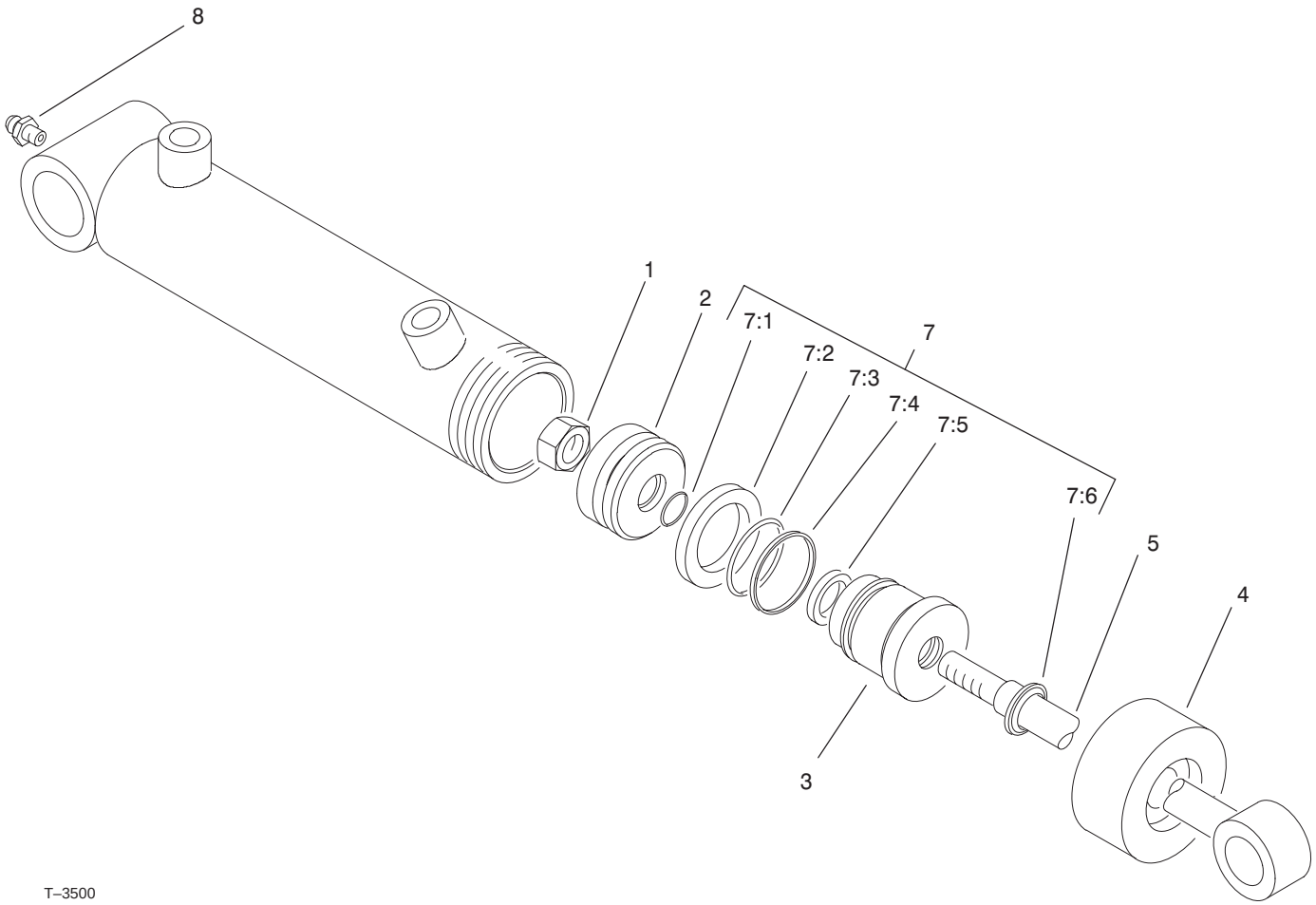


Sheet No.:28

Front Lift Arm Assembly No. 1

Ref. No.	Part No.	Qty.	Description
2	99–5610	1	Pin
3	98–1880–01	1	Knuckle–Pivot
4	105–3366	1	Lift Arm ASM No. 1
4:2	104–0015	4	Bushing–Flange
4:3	302–60	1	Fitting–Grease
4:4	302–5	1	Fitting–Grease
4:5	99–5605	2	Bumper ASM
4:6	3296–29	2	Nut–Lock, NI
4:7	256–287	2	Bushing
5	94–8946	1	Adapter ASM
6	32144–14	1	Screw–HWH
7	83–6790	1	Pin–Cylinder
8	94–9998	2	Washer–Thrust
9	94–9974	2	Ring–Retaining
10	75–5350	1	Pin–Slide, Cylinder
11	95–7158	1	Pin–Pivot
13	340–132	2	Fitting–Hyd, 90°
13:1	237–78	1	O–Ring
13:2	237–21	1	O–Ring
14	33114–020	2	Screw–HH
15	3253–4	2	Washer–Lock
16	99–5621	1	Guide–Hose
17	2412–96	1	Clamp–R
18	105–7916	1	Hyd Hose ASM
19	322–4	1	Screw–HH
20	105–9274	1	Hyd Hose ASM

Ref. No.	Part No.	Qty.	Description
21	93–2650	1	Cylinder–Lift
23	3290–378	1	Tie–Cable
24	3296–49	1	Nut–Lock NI
25	32121–110	1	Pin–Roll, Slotted
26	98–7974	1	Washer–Thrust
27	98–7993	1	Screw–HHF
28	3256–6	1	Washer–Flat
29	3–6781	1	Washer–Thrust
30	76–2980	1	Washer–Thrust
31	283–71	1	Pin–Lynch
32	105–0142–03	1	Rod–Front Pivot
33	98–3929	1	Spring–Torsion
34	93–6738	1	Chain
35	3256–24	3	Washer–Flat
36	3296–39	3	Nut–Lock, NI
37	323–7	1	Screw–HH



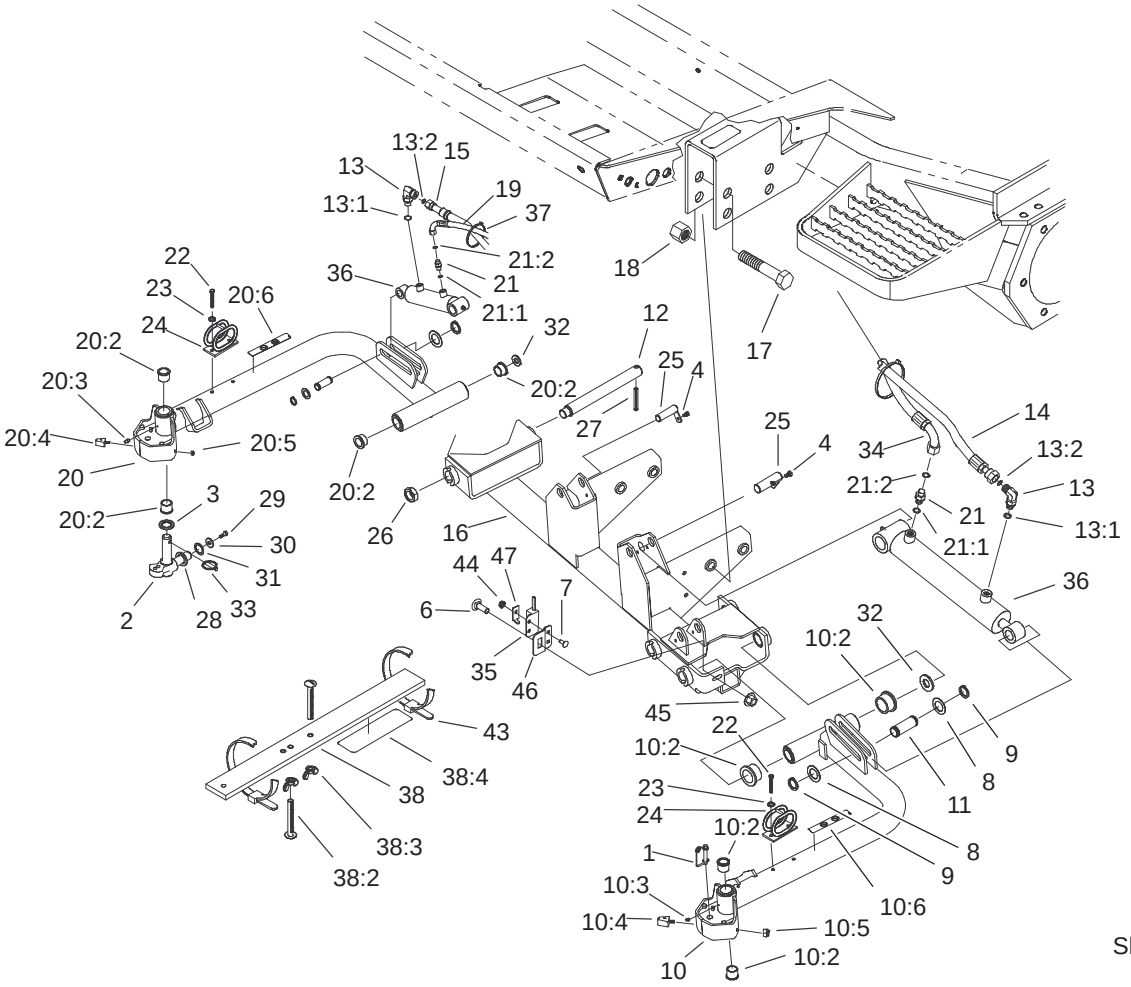
T–3500
Sheet No.:B9

Hydraulic Cylinder Assembly No. 93–2650

Ref. No.	Part No.	Qty.	Description
1	32152–10	1	Locknut
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
☆7:1		1	O–Ring
☆7:2		1	Seal–Special
☆7:3		1	O–Ring
☆7:4		1	Backup
☆7:5		1	Seal–Rod
☆7:6		1	Seal–Dust
8	302–5	1	Fitting–Grease

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

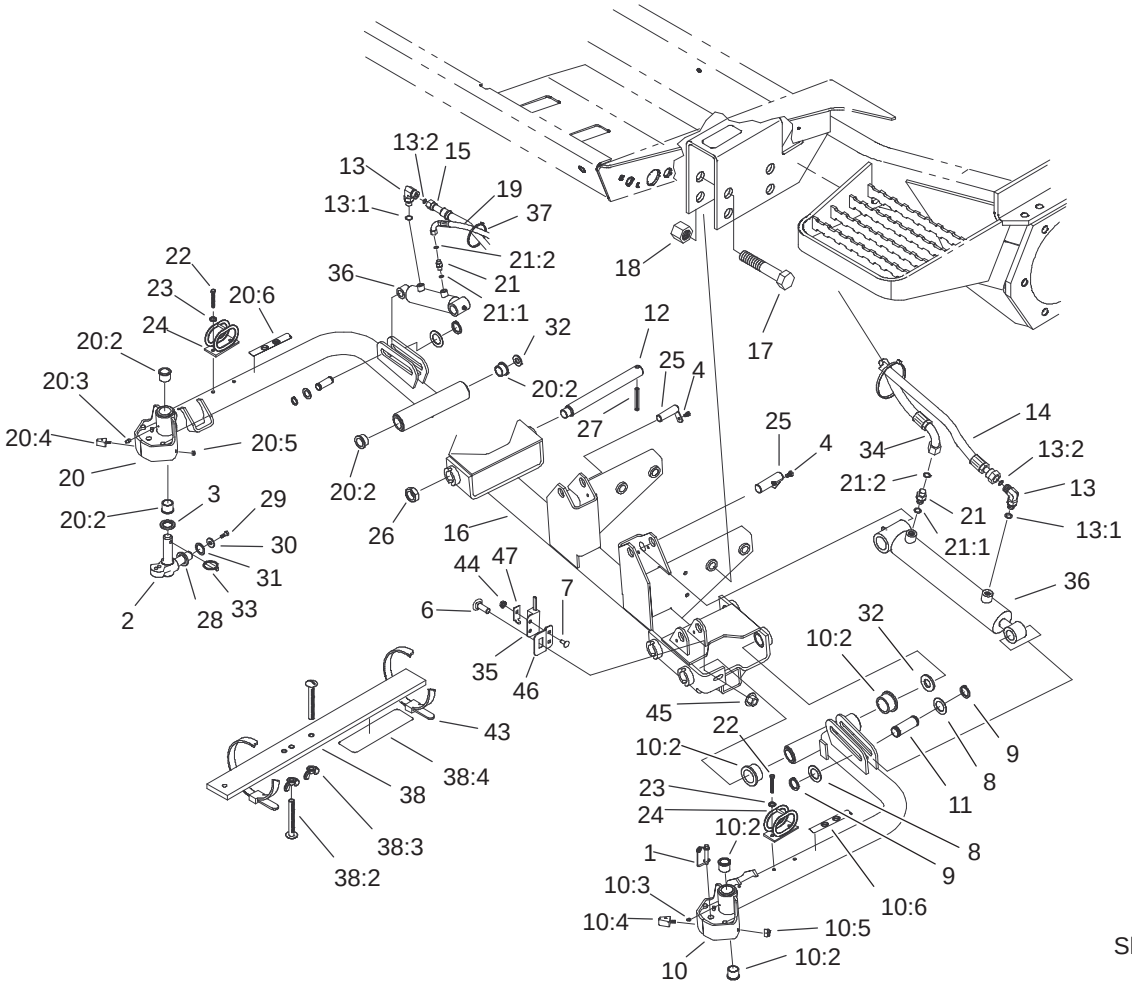


Sheet No.:29

Front Lift Arm and Motor Assembly

Ref. No.	Part No.	Qty.	Description
1	99–5610	2	Pin
2	98–1880–01	2	Knuckle–Pivot
3	94–8946	2	Adapter ASM
4	32144–14	2	Screw–HWH
5	100–4872	1	Plate–Switch, Neutral (only on: 03807)
6	3231–22	1	Screw–CARR
7	104–1450	1	Bolt–CARR
8	94–9998	4	Washer–Thrust
9	94–9974	4	Ring–Retaining
10	105–3359	1	Arm Assembly–Lift #4
10:2	104–0015	4	Bushing–Flange
10:3	302–5	2	Fitting–Grease
10:4	99–5605	2	Bumper ASM
10:5	3296–29	2	Nut–Lock, NI
10:6	93–6687	1	Decal–Step, No
11	75–5350	2	Pin–Slide, Cylinder
12	95–7158	2	Pin–Pivot
13	340–132	2	Fitting–Hyd, 90°
13:1	237–78	1	O–Ring
13:2	237–21	1	O–Ring
14	105–7948	1	Hyd Hose ASM
15	105–7945	1	Hyd Hose ASM
16	105–3347–03	1	Frame–Carrier Front
17	328–7	4	Screw–HH
18	3296–51	4	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description
19	105–7946	1	Hyd Hose ASM
20	105–0110	1	Lift Arm ASM #5
20:2	104–0015	4	Bushing–Flange
20:3	302–5	2	Fitting–Grease
20:4	99–5605	2	Bumper ASM
20:5	3296–29	2	Nut–Lock, NI
20:6	93–6687	1	Decal–Step, No
21	340–92	2	Fitting–Hyd, Straight
21:1	237–78	1	O–Ring
21:2	237–21	1	O–Ring
22	33114–020	4	Screw–HH
23	3253–4	4	Washer–Lock
24	99–5621	2	Guide–Hose
25	83–6780–01	2	Pin–Cylinder
26	3296–49	2	Nut–Lock NI
27	32121–110	2	Pin–Roll, Slotted
28	98–7974	2	Washer–Thrust
29	98–7993	2	Screw–HHF
30	3256–6	2	Washer–Flat
31	3–6781	2	Washer–Thrust
32	76–2980	2	Washer–Thrust
33	283–71	2	Pin–Lynch
34	105–7947	1	Hyd Hose ASM
35	100–1270	1	Switch–Proximity
36	99–6986	2	Cylinder–Hyd
37	3290–378	2	Tie–Cable

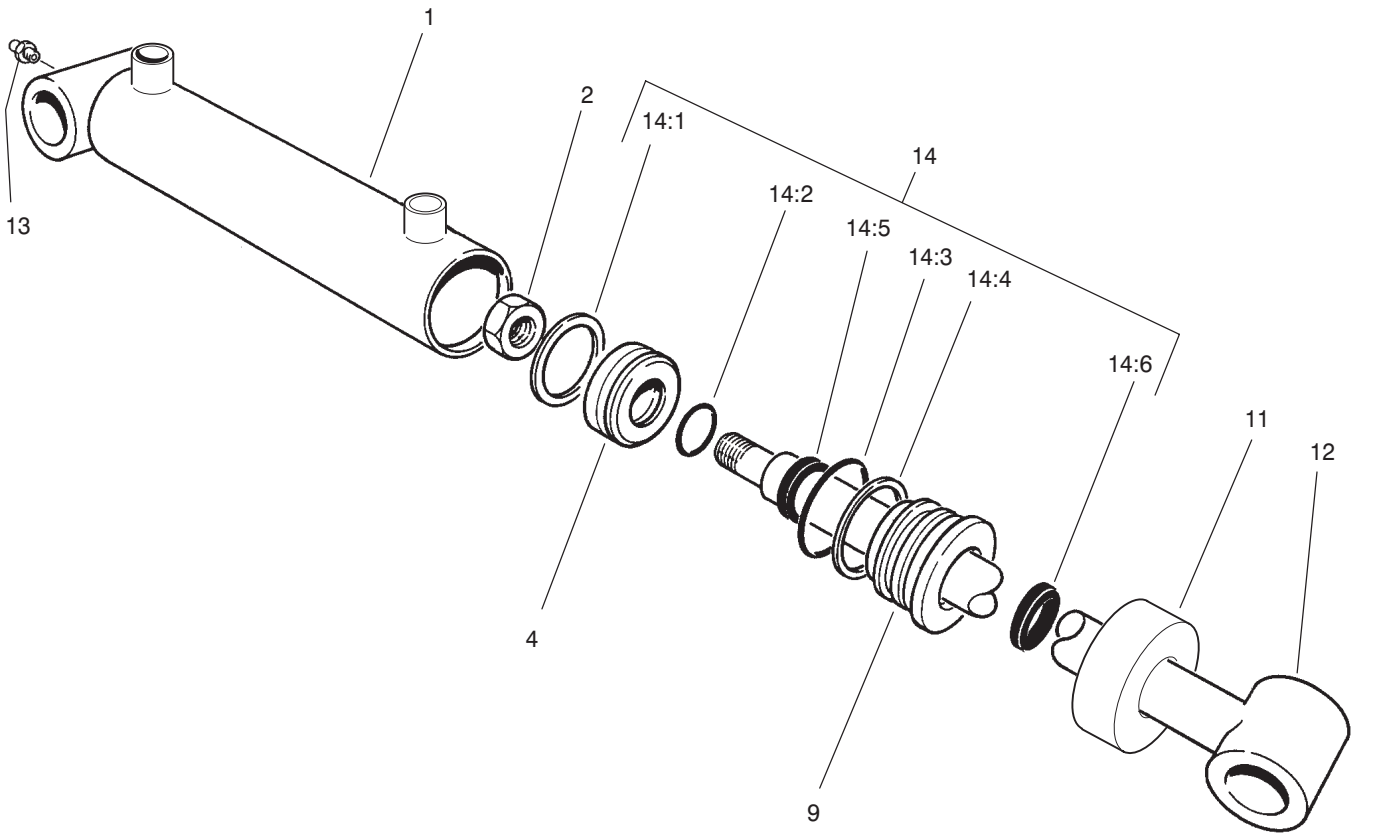


Sheet No.:29

Front Lift Arm and Motor Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
38	98–1852	1	Gauge Bar ASM
38:2	32122–54	2	Screw–Head, Truss
38:3	32103–3	2	Nut–Wing
38:4	98–7976	1	Decal–Bar, Gauge
43	3334–945	2	Tie–Cable
44	32149–7	1	Nut–Keps
45	32128–43	1	Nut–Flange
46	105–3351	1	Bracket–Switch
47	100–4872	1	Plate–Switch, Neutral

Ref. No.	Part No.	Qty.	Description



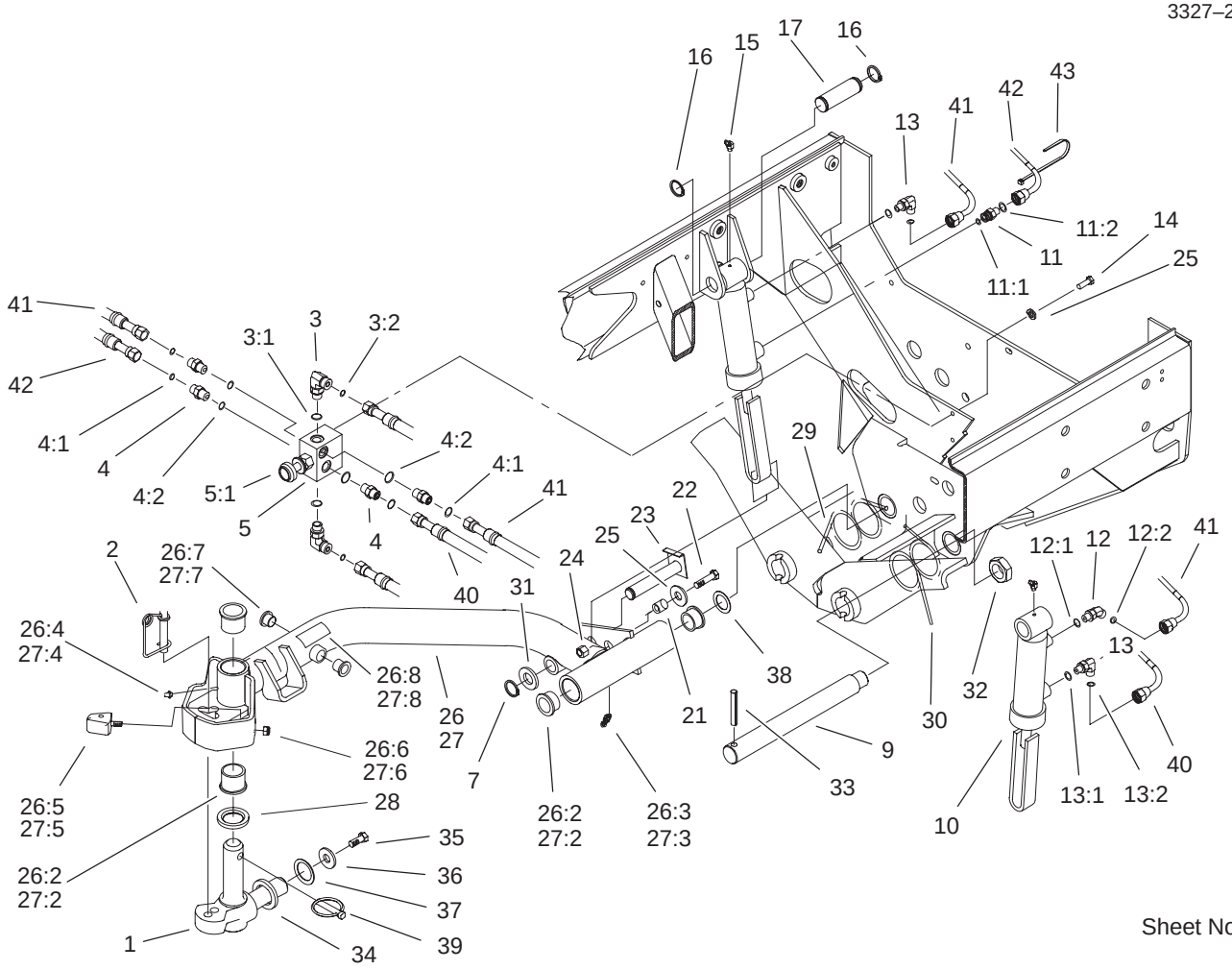
Sheet No.:C1
T–3499

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	Seal–Psp
☆14:2		1	O–Ring
☆14:3		1	O–Ring
☆14:4		1	Backup
☆14:5		1	Seal–Rod
☆14:6		1	Seal–Dust

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



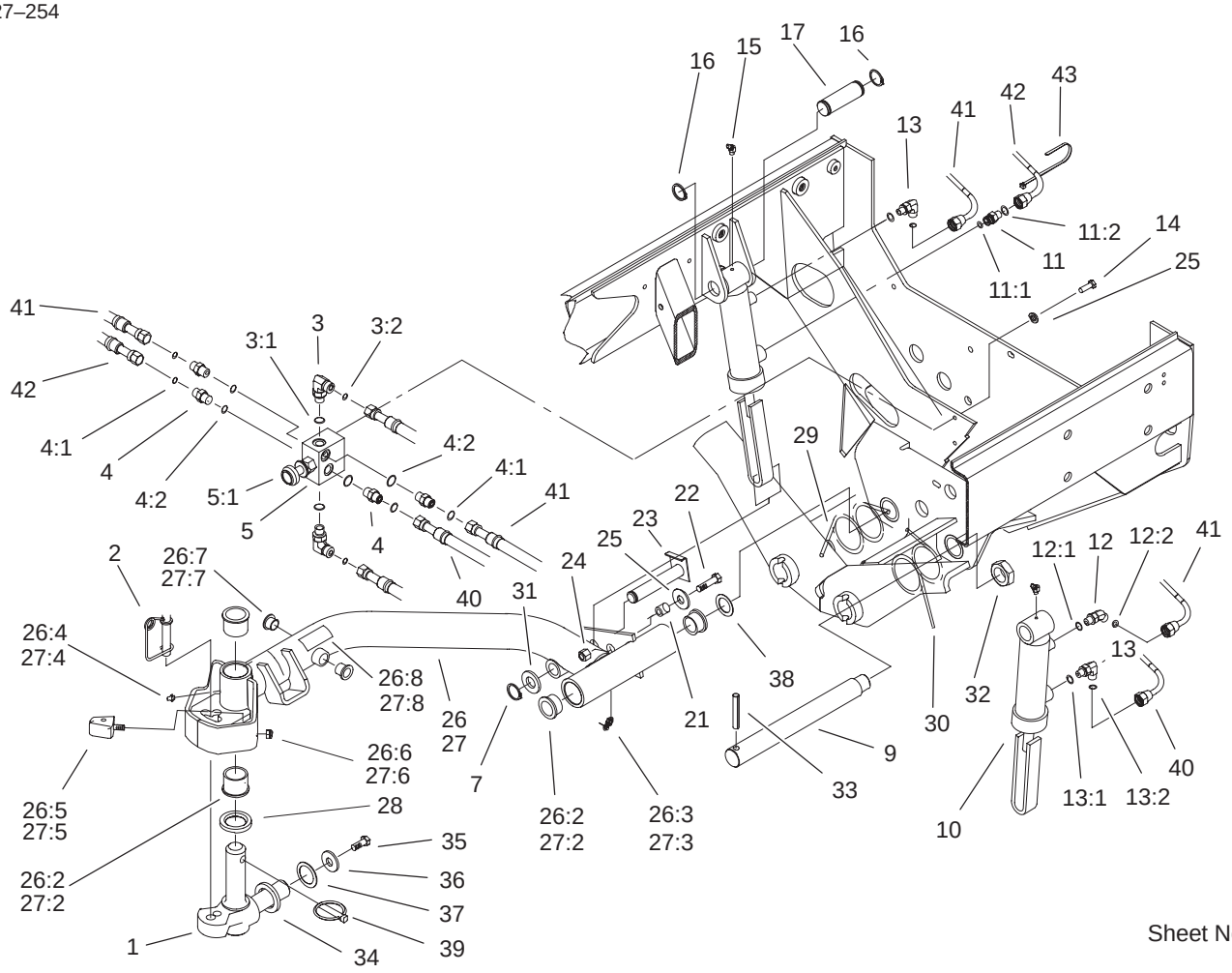
Sheet No.:30

Lift Arm and Cylinder Assembly

Ref. No.	Part No.	Qty.	Description
1	98–1880–01	2	Knuckle–Pivot
2	99–5610	2	Pin
3	340–82	2	Adapter
3:1	237–42	1	O–Ring
3:2	237–21	1	O–Ring
4	340–1	4	Adapter
4:1	237–35	1	O–Ring
4:2	237–42	1	O–Ring
5	104–9250	1	Control–Flow
5:1	104–0003	1	Cartridge Kit
*5:1:1	105–3334	1	Seal Kit
*5:1:2	105–7514	1	Cartridge Knob Kit
7	94–9974	2	Ring–Retaining
9	95–7158	2	Pin–Pivot
10	99–2550	2	Cylinder–Hyd
11	340–92	1	Fitting–Hyd, Straight
11:1	237–78	1	O–Ring
11:2	237–21	1	O–Ring
12	340–103	1	Fitting–Hyd, 45°
12:1	237–78	1	O–Ring
12:2	237–21	1	O–Ring
13	340–132	2	Fitting–Hyd, 90°
13:1	237–78	1	O–Ring
13:2	237–21	1	O–Ring
14	321–4	2	Screw–HH
15	302–11	2	Fitting–Lube, 45°

Ref. No.	Part No.	Qty.	Description
16	32151–36	4	Ring–Retaining
17	92–7548	2	Pin–Cylinder
21	82–6840	2	Spacer
22	322–7	2	Screw–HH
23	99–2560	2	Pin
24	3296–29	2	Nut–Lock, NI
25	3256–3	2	Washer–Flat
26	105–3363	1	Arm Assembly–Lift #3
26:2	104–0015	4	Bushing–Flange
26:3	302–11	1	Fitting–Lube, 45°
26:4	302–5	1	Fitting–Grease
26:5	99–5605	2	Bumper ASM
26:6	3296–29	2	Nut–Lock, NI
26:7	256–287	2	Bushing
26:8	93–6696	1	Decal–Spring, Loaded
27	105–3362	1	Arm Assembly–Lift #2
27:2	104–0015	4	Bushing–Flange
27:3	302–11	1	Fitting–Lube, 45°
27:4	302–5	1	Fitting–Grease
27:5	99–5605	2	Bumper ASM
27:6	3296–29	2	Nut–Lock, NI
27:7	256–287	2	Bushing
27:8	93–6696	1	Decal–Spring, Loaded
28	94–8946	2	Adapter ASM
29	99–5608	1	Spring–Torsion, RH
30	99–5609	1	Spring–Torsion, LH

* Not illustrated

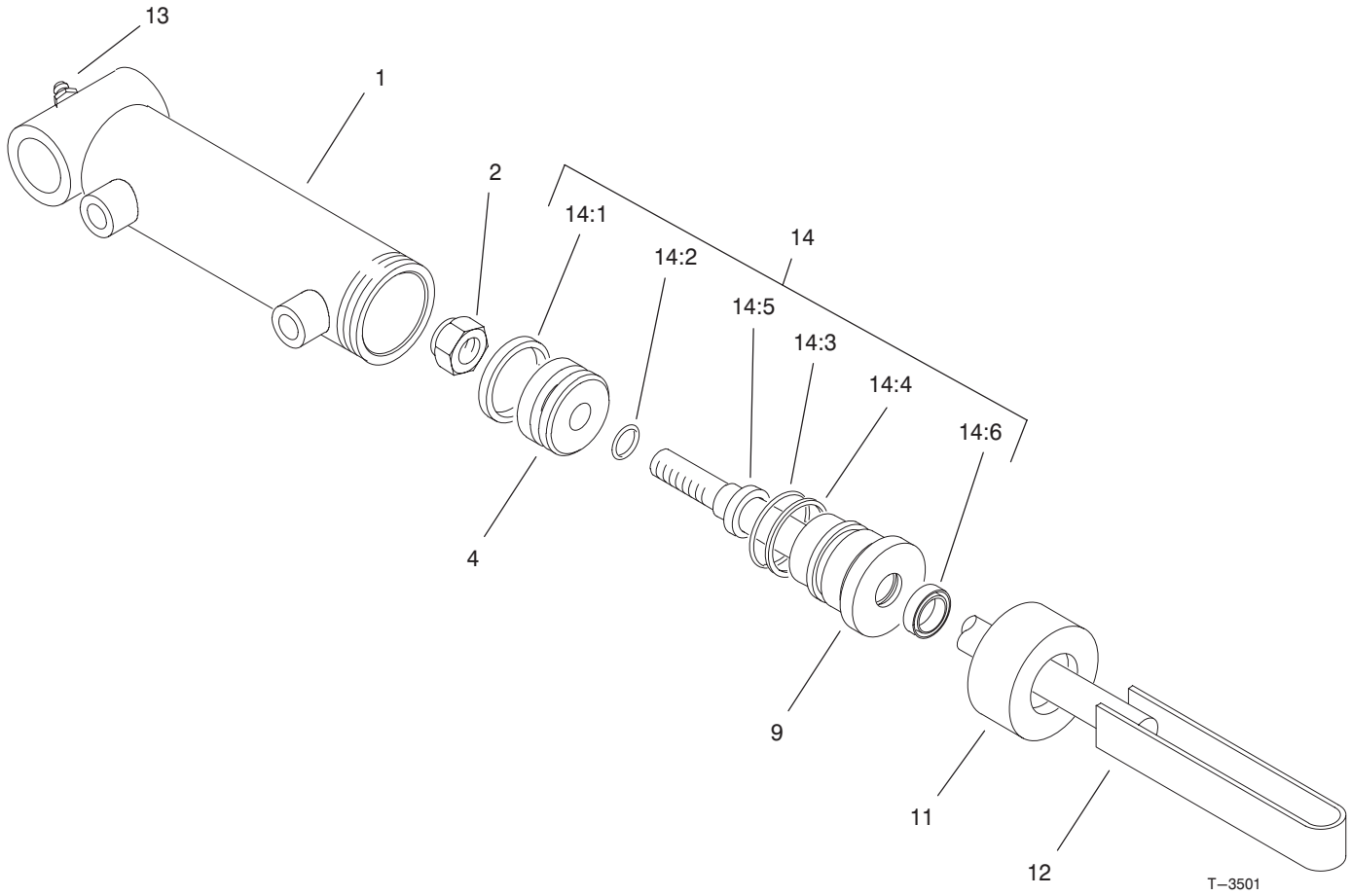


Sheet No.:30

Lift Arm and Cylinder Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
31	67–6570	2	Spacer–Wheel
32	3296–49	2	Nut–Lock NI
33	32121–110	2	Pin–Roll, Slotted
34	98–7974	2	Washer–Thrust
35	98–7993	2	Screw–HHF
36	3256–6	2	Washer–Flat
37	3–6781	2	Washer–Thrust
38	76–2980	2	Washer–Thrust
39	283–71	2	Pin–Lynch
40	105–7919	1	Hyd Hose ASM
41	105–7918	2	Hyd Hose ASM
42	105–7917	1	Hyd Hose ASM
43	3290–378	2	Tie–Cable

Ref. No.	Part No.	Qty.	Description



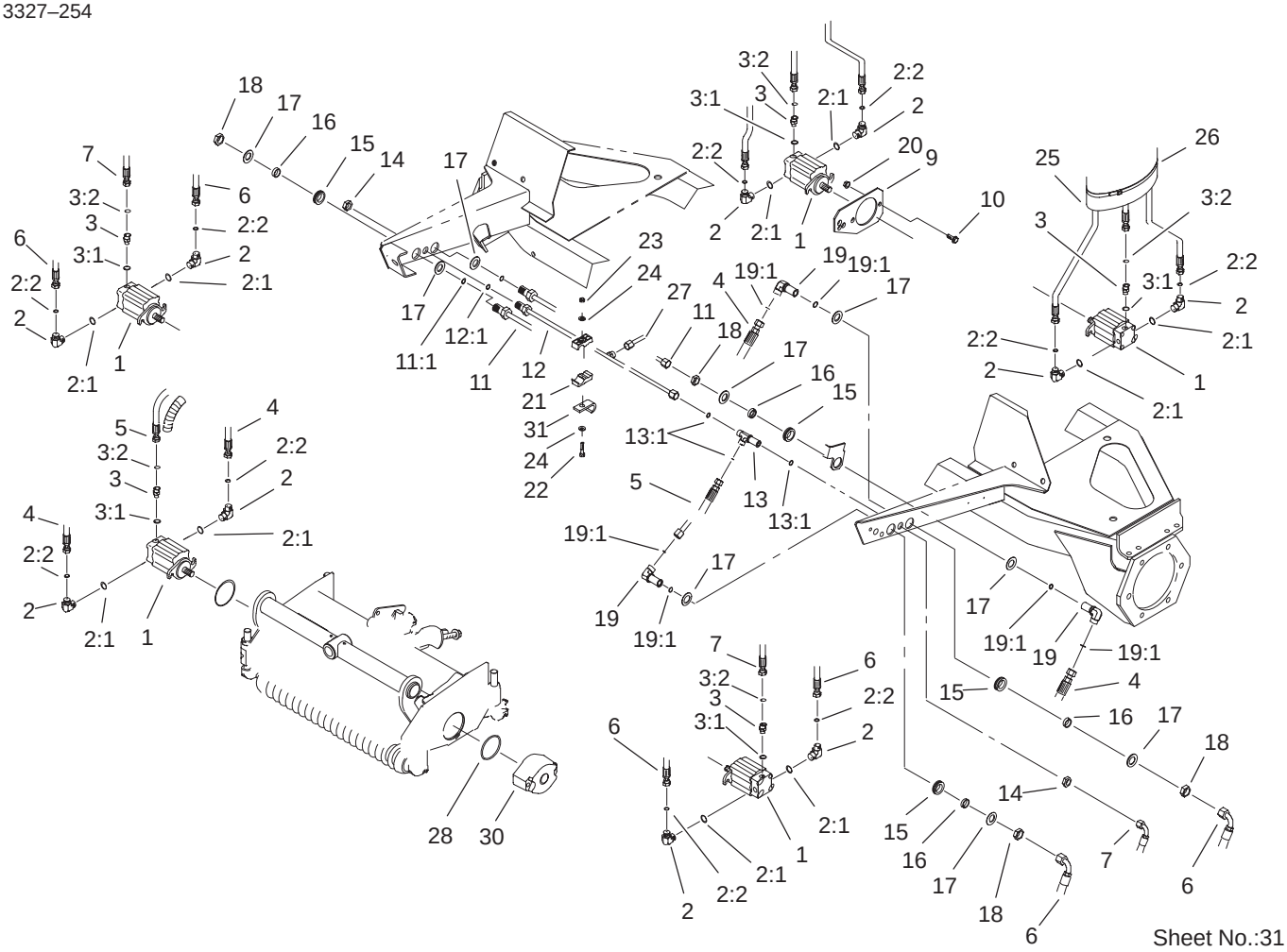
Sheet No.:C2

Hydraulic Cylinder Assembly No. 99–2550

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 And Tube
13	302–5	1	Fitting–Grease
14	100–8023	1	Kit–Repair, Seal
☆14:1		1	Seal–Psp
☆14:2		1	O–Ring
☆14:3		1	O–Ring
☆14:4		1	Backup
☆14:5		1	Seal–Rod
☆14:6		1	Seal–Dust

Ref. No.	Part No.	Qty.	Description

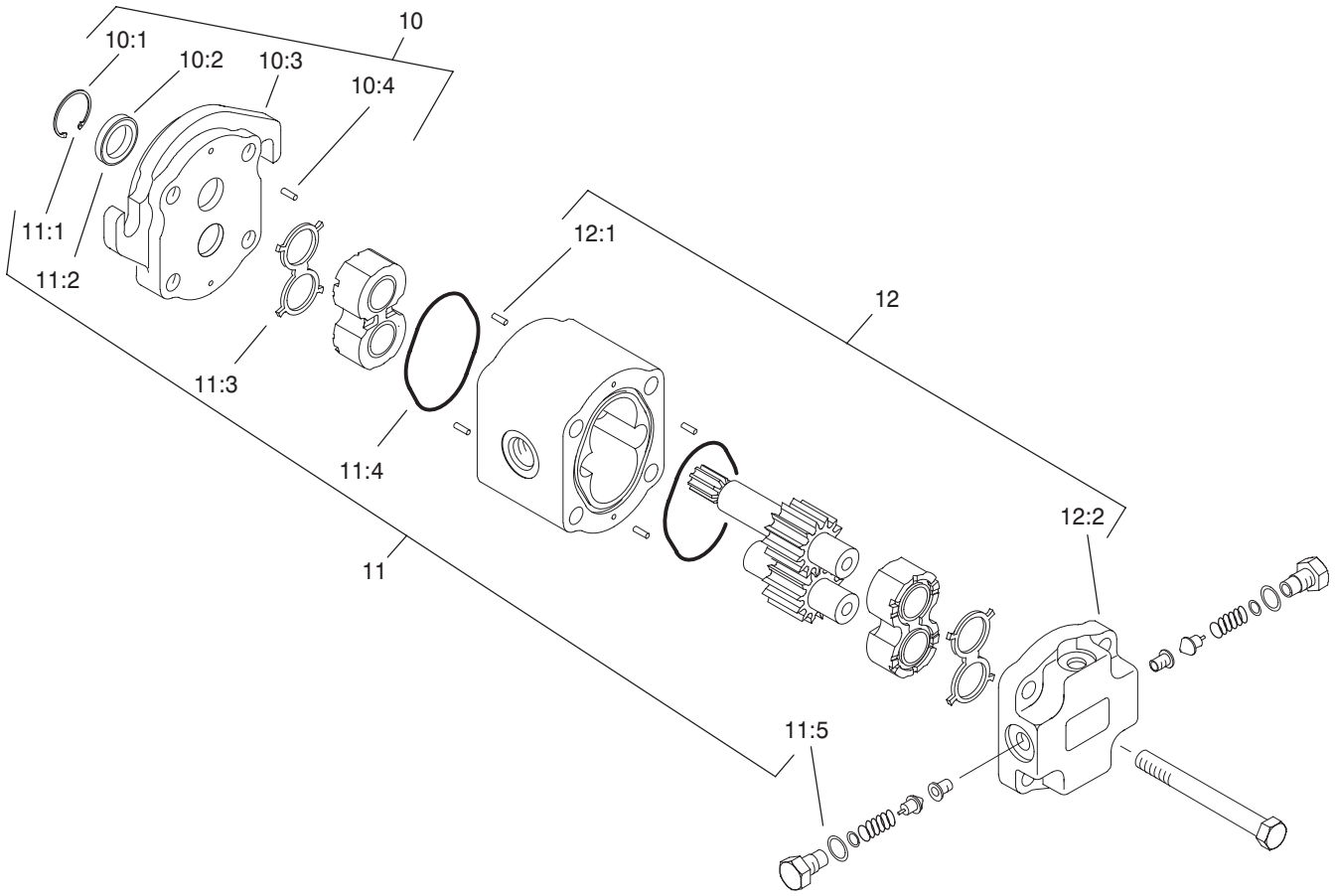
☆ Not serviced separately



Reel Motor Assembly

Ref. No.	Part No.	Qty.	Description
1	98–9999	5	Motor–Hydraulic
2	340–98	10	Fitting–Hyd, 90°
2:1	237–79	1	O–Ring
2:2	237–30	1	O–Ring
3	340–92	5	Fitting–Hyd, Straight
3:1	237–78	1	O–Ring
3:2	237–21	1	O–Ring
4	105–7902	2	Hyd Hose ASM
5	92–7560	1	Hyd Hose ASM
6	105–7901	4	Hyd Hose ASM
7	92–7559	2	Hyd Hose ASM
9	94–2634–03	5	Bracket–Motor
10	3234–11	10	Screw–HHF
11	93–4219	1	Tube ASM
11:1	237–30	1	O–Ring
12	93–4223	1	Front Drain Tube ASM
12:1	237–22	2	O–Ring
13	340–68	1	Fitting–Tee, Bulkhead
13:1	237–22	3	O–Ring
14	340–70	2	Locknut–Bulkhead
15	240–5	5	Grommet
16	69–8960	5	Spacer
17	69–8930	10	Washer
18	340–127	5	Nut–Bulkhead
19	93–9151	2	Fitting–Hyd
19:1	237–30	2	O–Ring

Ref. No.	Part No.	Qty.	Description
20	32128–43	10	Nut–Flange
21	56–7972	4	Clamp–Tube
22	322–7	2	Screw–HH
23	3296–47	2	Nut–Lock, NI
24	3256–23	4	Washer–Flat
25	99–5617	5	Sleeve–Protective
26	3290–379	6	Tie–Cable
27	104–3730	1	Drain Tube ASM
28	93–9783	10	O–Ring
30	105–4011–03	5	Weight–End
31	2412–109	1	Clip–J



Sheet No.:C3
T–3830

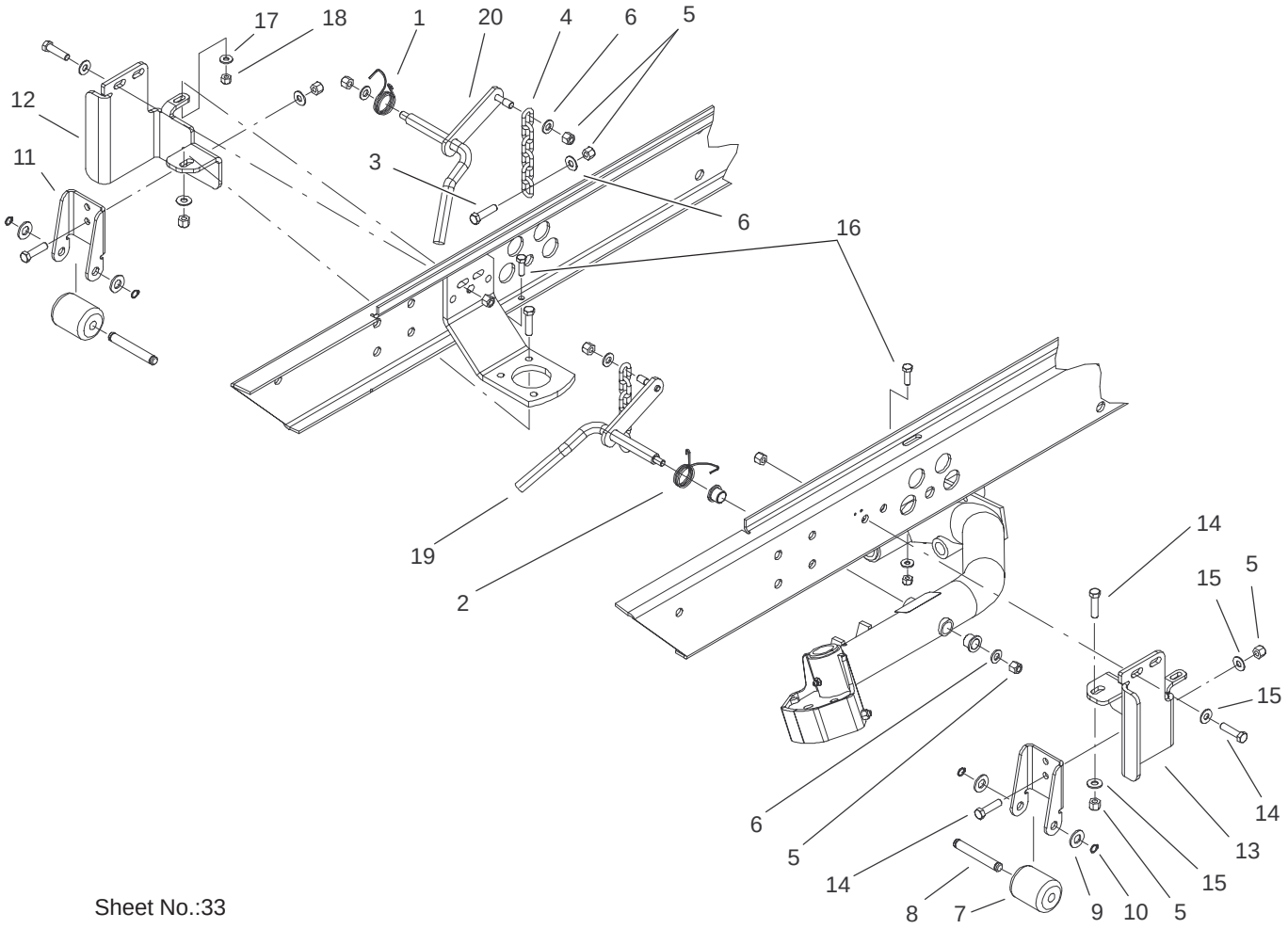
Hydraulic Motor Assembly No. 98–9999

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

☆ Not serviced separately

3327–254

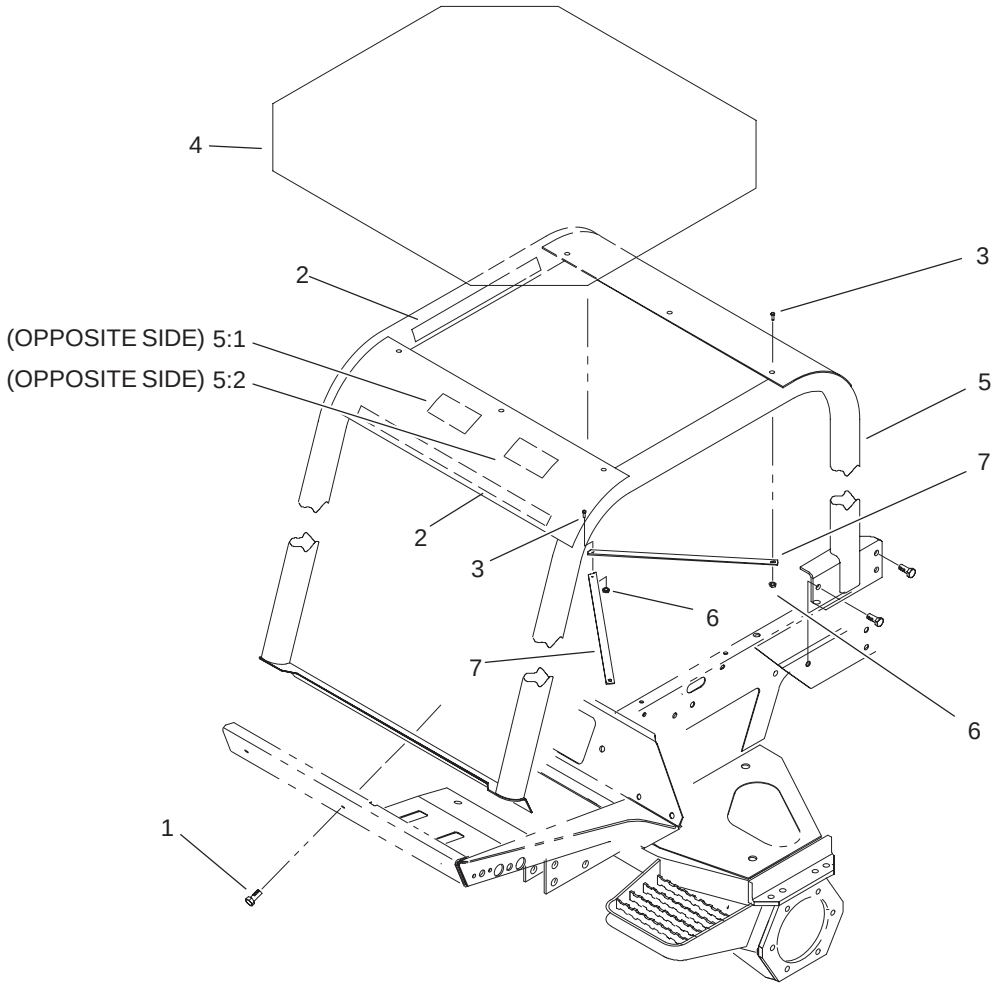


Sheet No.:33

No. 2 and 3 Tipper Support Bracket Assembly

Ref. No.	Part No.	Qty.	Description
1	98–3929	1	Spring–Torsion
2	104–1805	1	Spring–Torsion, LH
3	323–7	2	Screw–HH
4	5–1096	2	Chain–Lift
5	3296–39	16	Nut–Lock, NI
6	3256–24	6	Washer–Flat
7	75–5390	2	Roller
8	75–5400	2	Pin–Roller
9	3256–26	4	Washer–Flat
10	32151–61	4	Ring–Retaining
11	100–3892–03	2	Bracket–Tipper, Rear
12	100–3866–03	1	Support–Tipper Bracket, RH
13	100–3867–03	1	Support–Tipper Bracket, LH
14	323–8	10	Screw–HH
15	3256–3	10	Washer–Flat
16	322–5	2	Screw–HH
17	3256–2	2	Washer–Flat
18	3296–29	2	Nut–Lock, NI
19	105–0126–03	1	LH Pivot Rod ASM
20	105–0127–03	1	RH Pivot Rod ASM

Ref. No.	Part No.	Qty.	Description

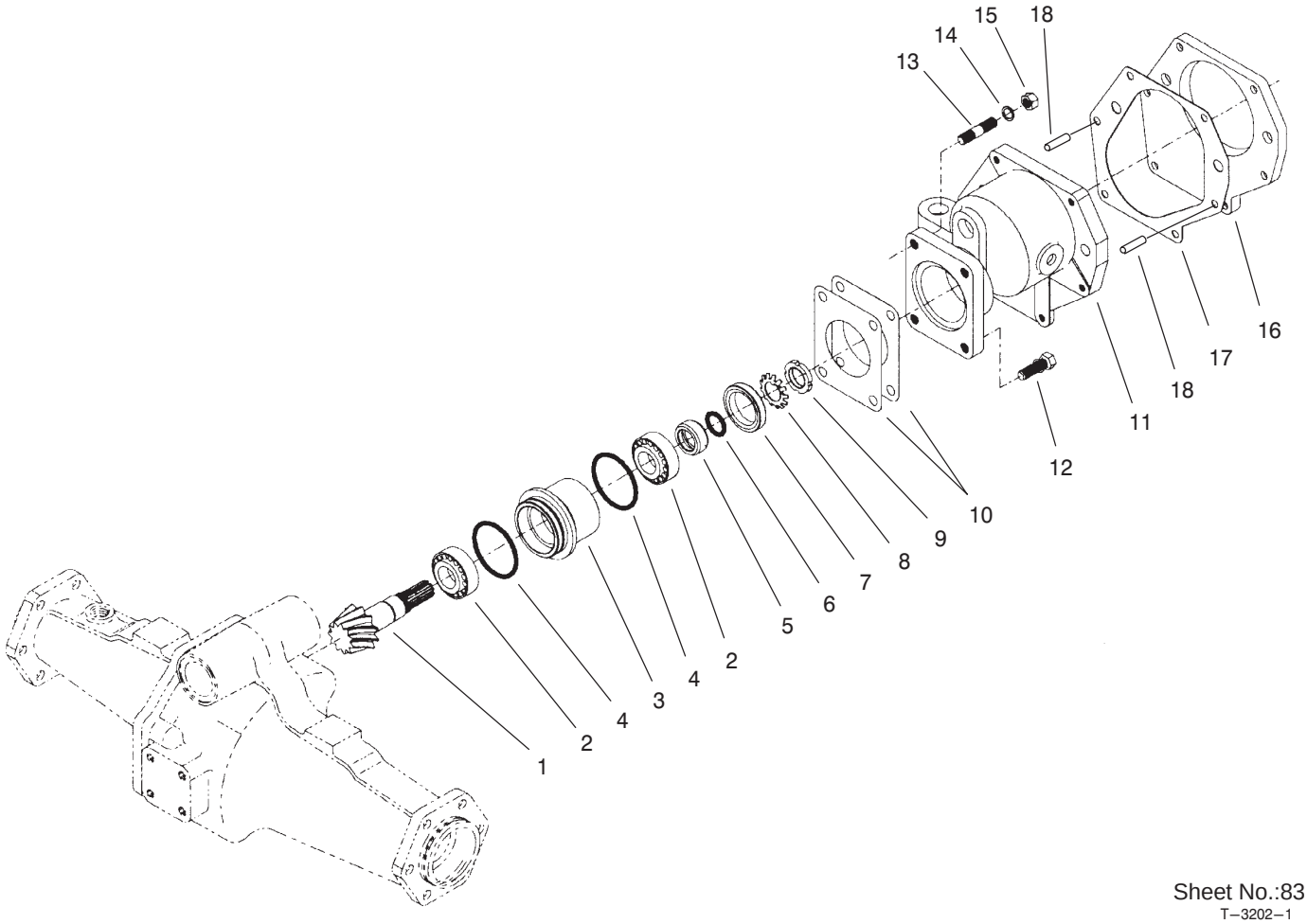


Sheet No.:34

(ROPS) Roll–Over–Protection–System Assembly (only on: 03807)

Ref. No.	Part No.	Qty.	Description
1	33106–035	3	Screw–HHF
2	93–9157	4	Velcro–Hook
3	33104–030	5	Screw–HHF
4	93–9160	1	Cover–Rops
5	94–2643	1	Rops ASM
5:1	93–8050	1	Decal–Roof, Rops
5:2	92–7540	1	Decal–Rops
6	33024–00	5	Nut–Lock
7	93–9159	2	Strap–Cover

Ref. No.	Part No.	Qty.	Description

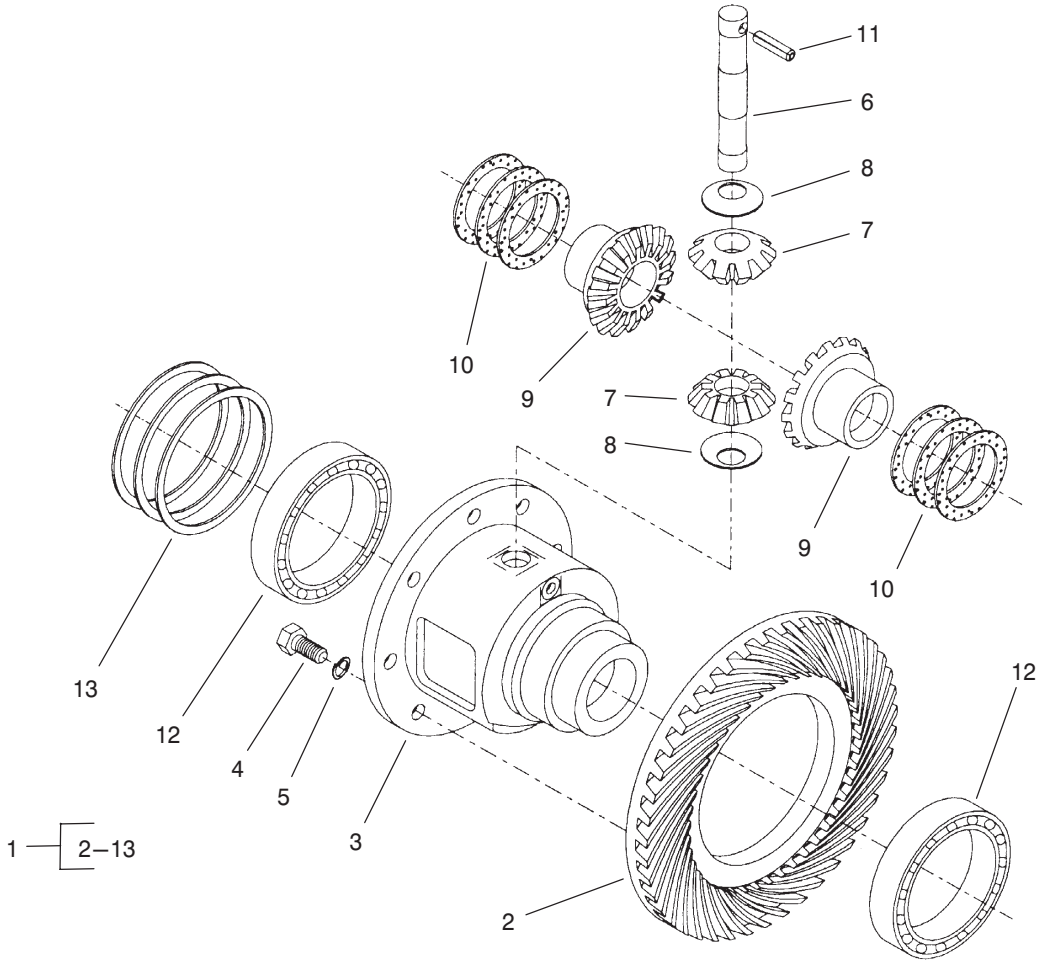


Sheet No.:83
T–3202–1

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	Plate–Cover
17	95–7540	1	Gasket
18	104–2353	2	Pin–Dowel

Ref. No.	Part No.	Qty.	Description

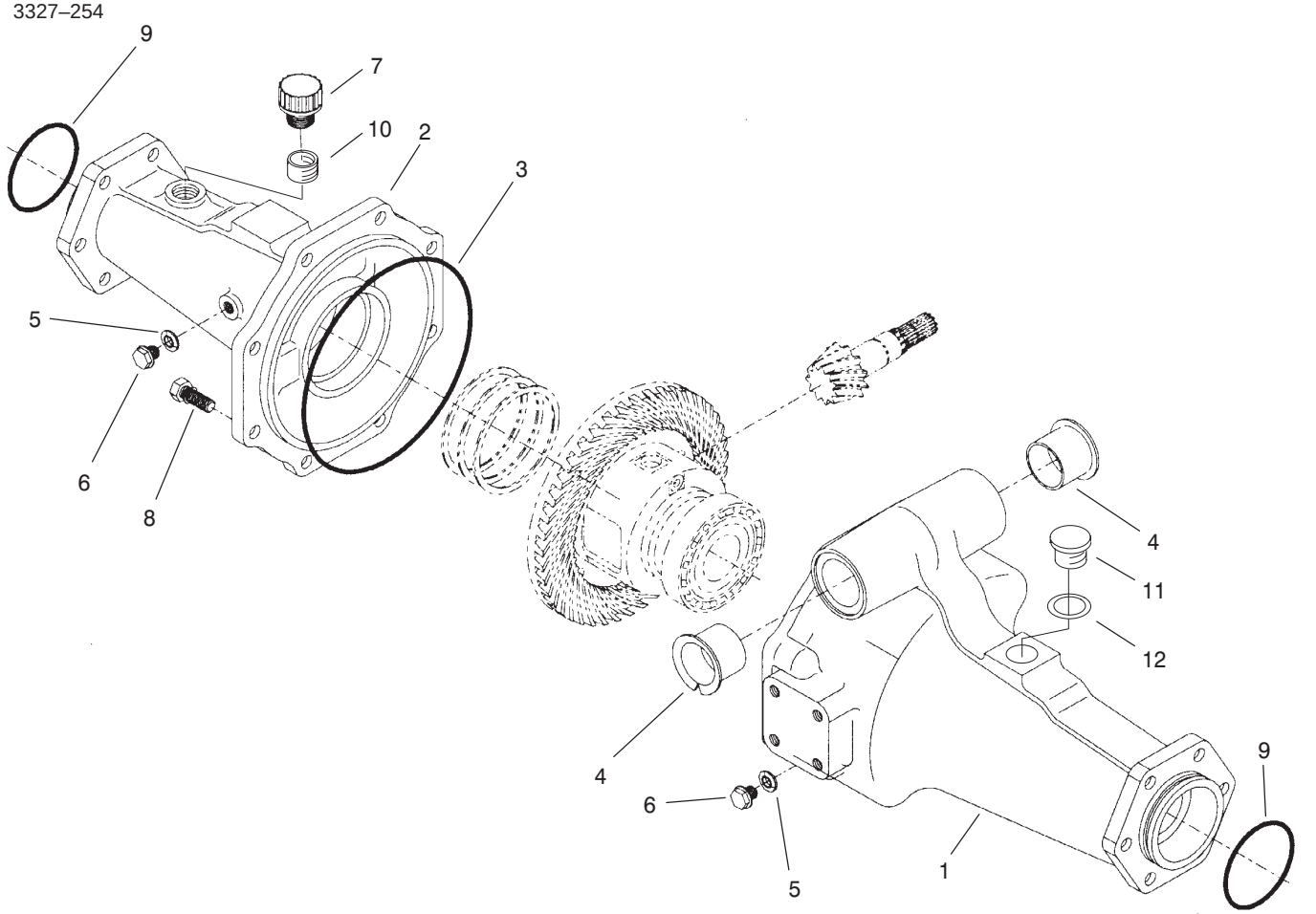


Sheet No.:84
T–3203–1

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–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



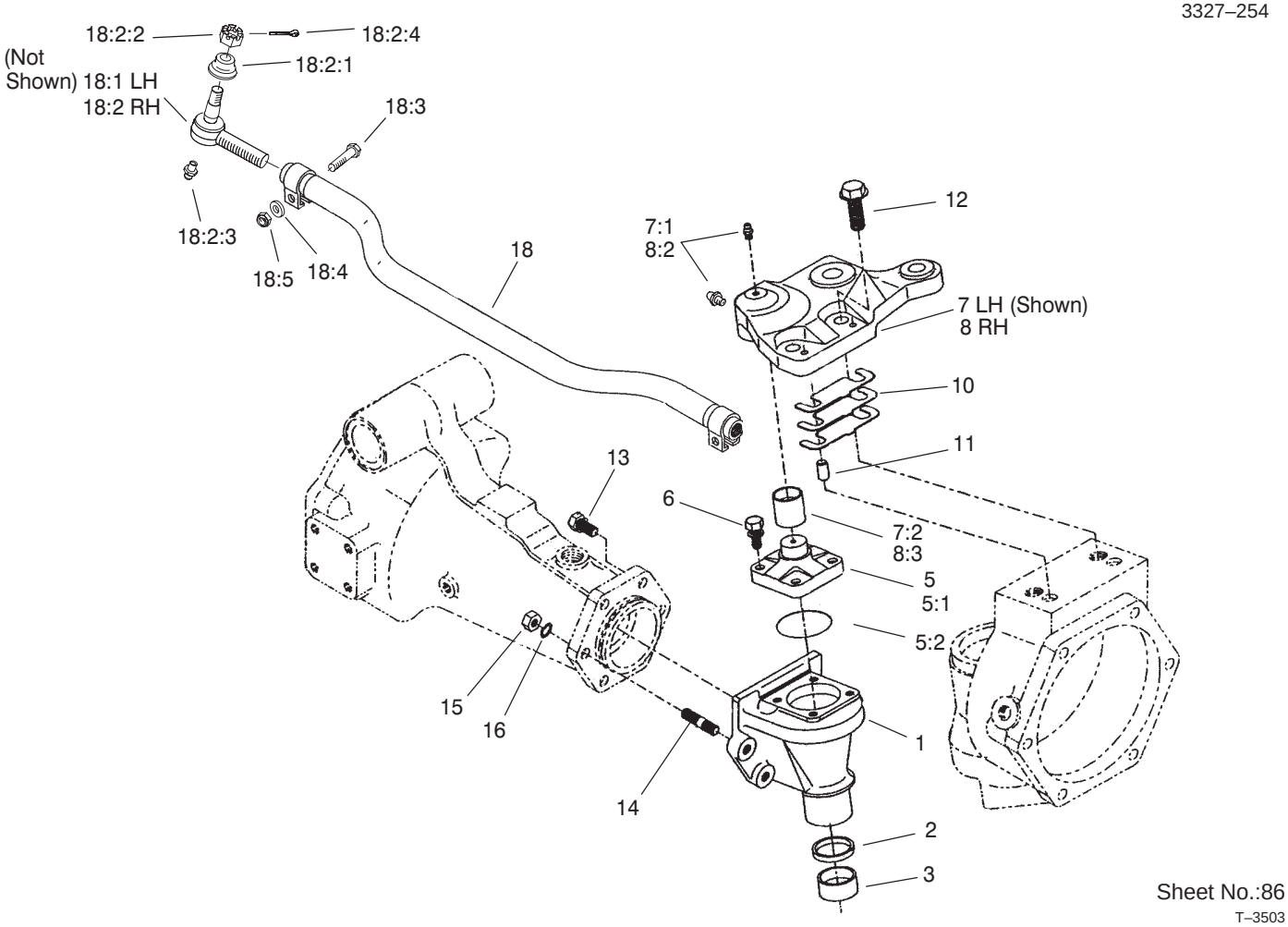
Sheet No.:85

T–3204–1

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	99–7590	2	Washer–Seal
6	99–7589	2	Plug
7	99–7591	1	Oil Plug ASM
8	99–7592	8	Bolt
9	99–7593	2	O–Ring
10	104–2377	1	Extension, Vent
11	104–8643	1	Plug
12	104–8644	1	O–Ring

Ref. No.	Part No.	Qty.	Description



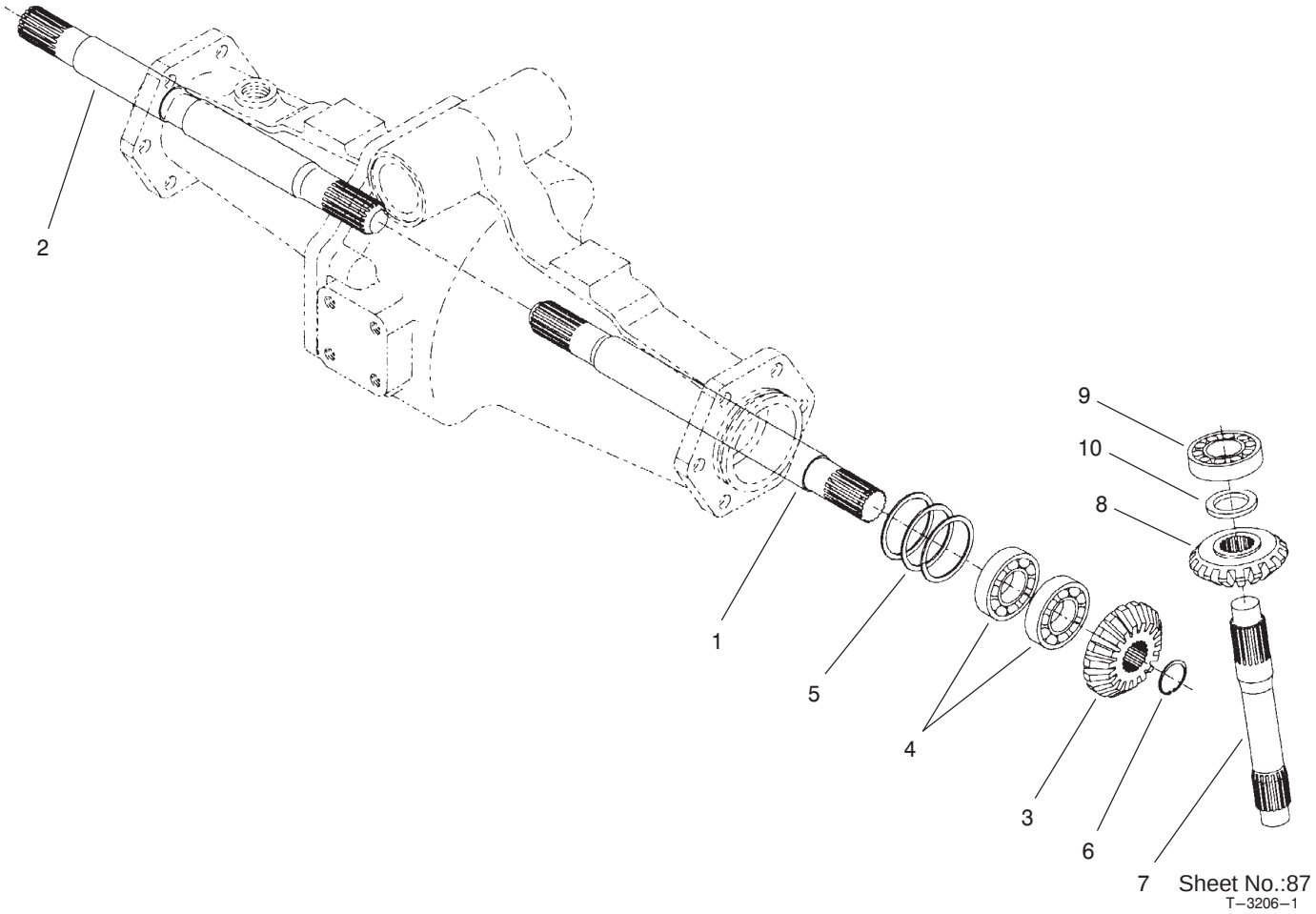
Sheet No.:86
T–3503

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

Ref. No.	Part No.	Qty.	Description
1	95–7538	2	Case–Bevel Gear
2	100–2557	2	Seal–Oil
3	104–2378	2	Bushing
5	104–2376	2	Knuckle ASM
5:1	104–2373	1	Knuckle
5:2	104–2372	1	O–Ring
6	104–2374	8	Bolt
7	100–3768	1	LH Steering Arm ASM
7:1	302–5	2	Fitting–Grease
7:2	104–8634	1	Bushing
8	100–3766	1	RH Steering Arm ASM
8:2	302–5	2	Fitting–Grease
8:3	104–8634	1	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	104–2375	4	Bolt
13	99–7599	8	Bolt
14	99–7525	4	Stud
15	99–7526	4	Nut
16	99–7527	4	Washer–Spring
18	100–3762	1	Tie Rod ASM
*18:1	100–3851	1	LH Tie Rod End ASM

Ref. No.	Part No.	Qty.	Description
*18:1:1	100–3853	1	Cover–Dust
*18:1:2	100–3854	1	Nut–Castle
*18:1:3	302–5	1	Fitting–Grease
*18:1:4	3272–11	1	Pin–Cotter
18:2	100–3852	1	RH Tie Rod End ASM
18:2:1	100–3853	1	Cover–Dust
18:2:2	100–3854	1	Nut–Castle
18:2:3	302–5	1	Fitting–Grease
18:2:4	3272–11	1	Pin–Cotter
18:3	100–3855	2	Bolt
18:4	99–7527	2	Washer–Spring
18:5	99–7526	2	Nut

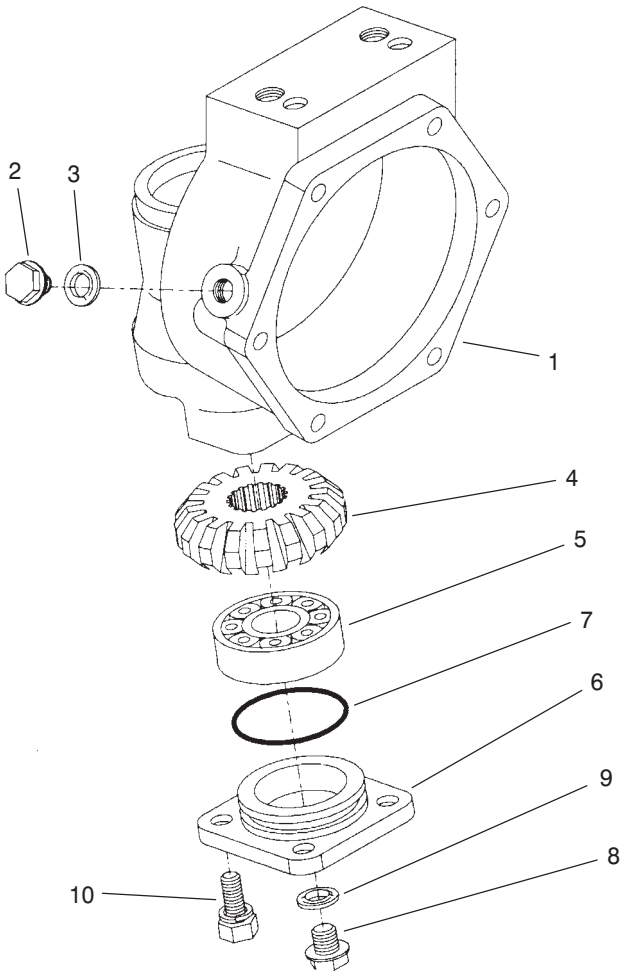
* Not illustrated



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

Ref. No.	Part No.	Qty.	Description
1	95–7509	1	Shaft–Gear, Differential
2	95–7512	1	Shaft–Gear, Differential
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	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

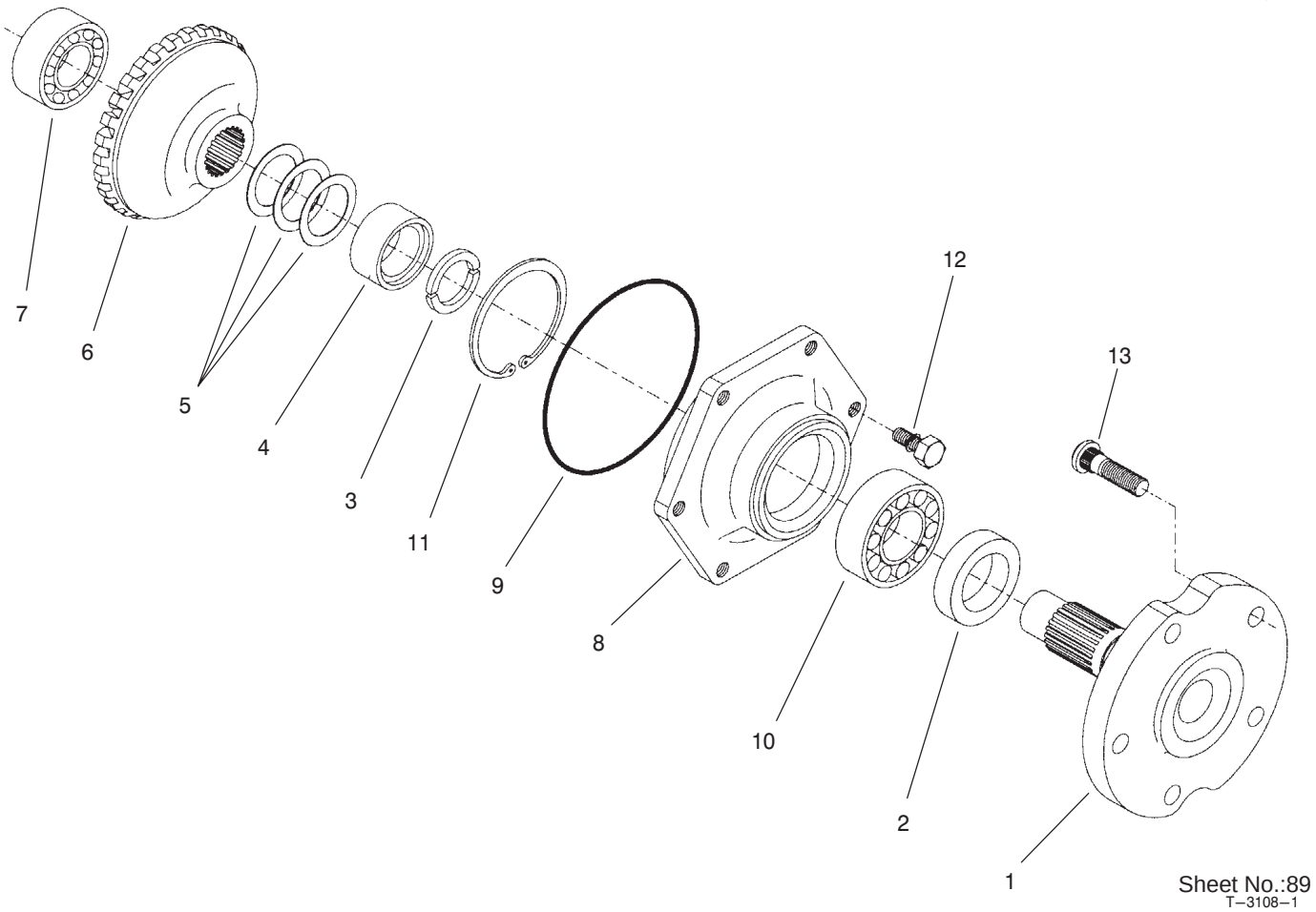


Sheet No.:88
T–3207–1

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

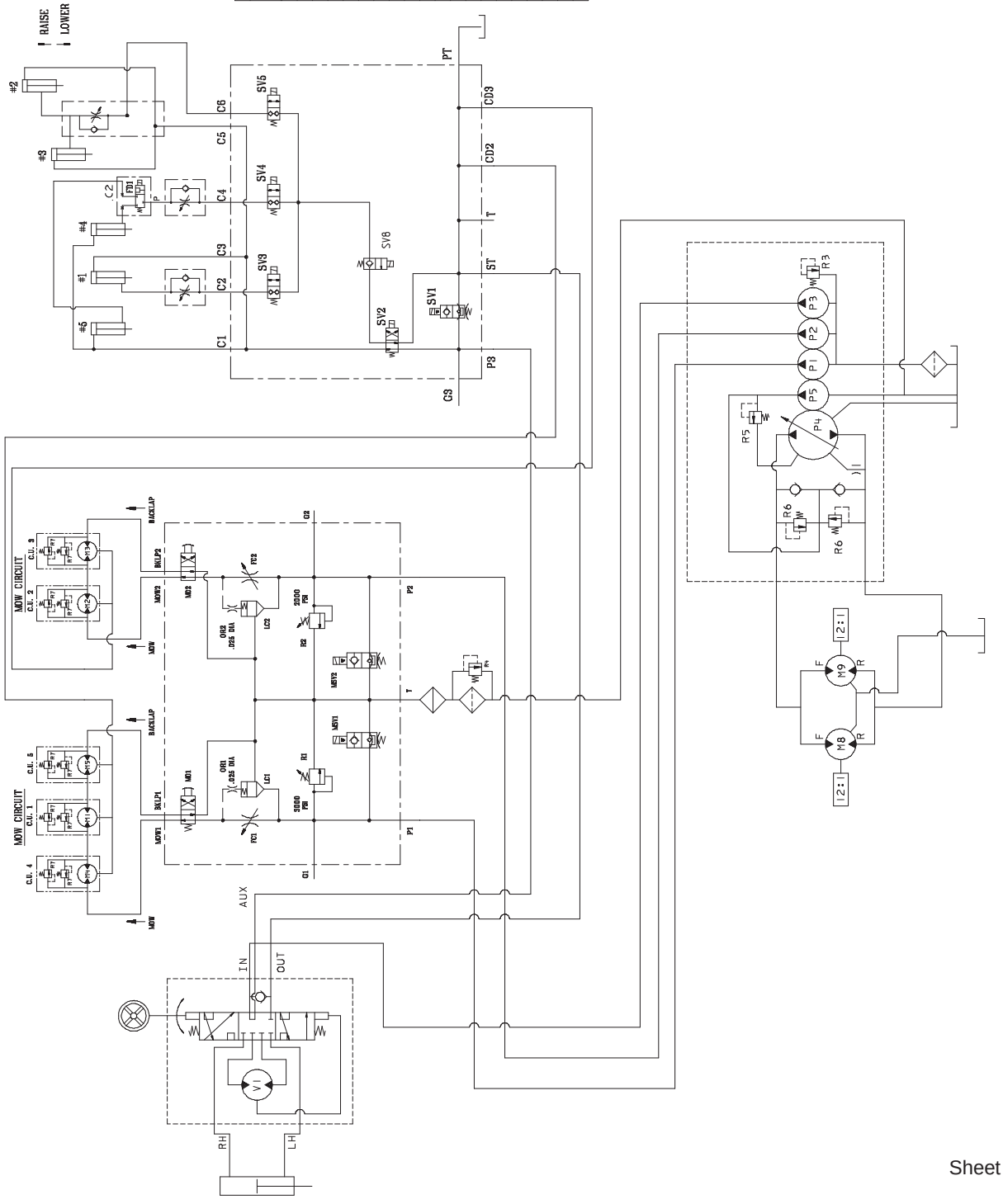
Ref. No.	Part No.	Qty.	Description
1	95–7522	2	Axle
2	99–7564	2	Seal–Oil
3	95–7544	4	Clip
4	95–7523	2	Spacer
5	99–7555	2	Shim 0.3
5	99–7556	2	Shim 0.2
5	99–7557	2	Shim 0.5
6	95–7524	2	Gear–29 Tooth Bevel
7	99–7534	2	Bearing–Ball
8	95–7521	2	Cover–Axle
9	99–7538	2	O–Ring
10	99–7561	2	Bearing–Ball
11	99–7539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

Ref. No.	Part No.	Qty.	Description

2 Wheel Drive Hydraulic Schematic (Model 03806 Only)

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			8.4	31.8
P2	.66	10.8			8.4	31.8
P3	.40	6.6			5.1	19.3
P4	2.48	40.6			31.6	119.5
P5	.84	13.8			10.7	40.5
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	6.1	100				
R1			3000	207		
R2			2000	138		
R3			1500	104		
R4			50	3.5		
R5			250	17.2		
R6			4000	276		
R7			1500	103		

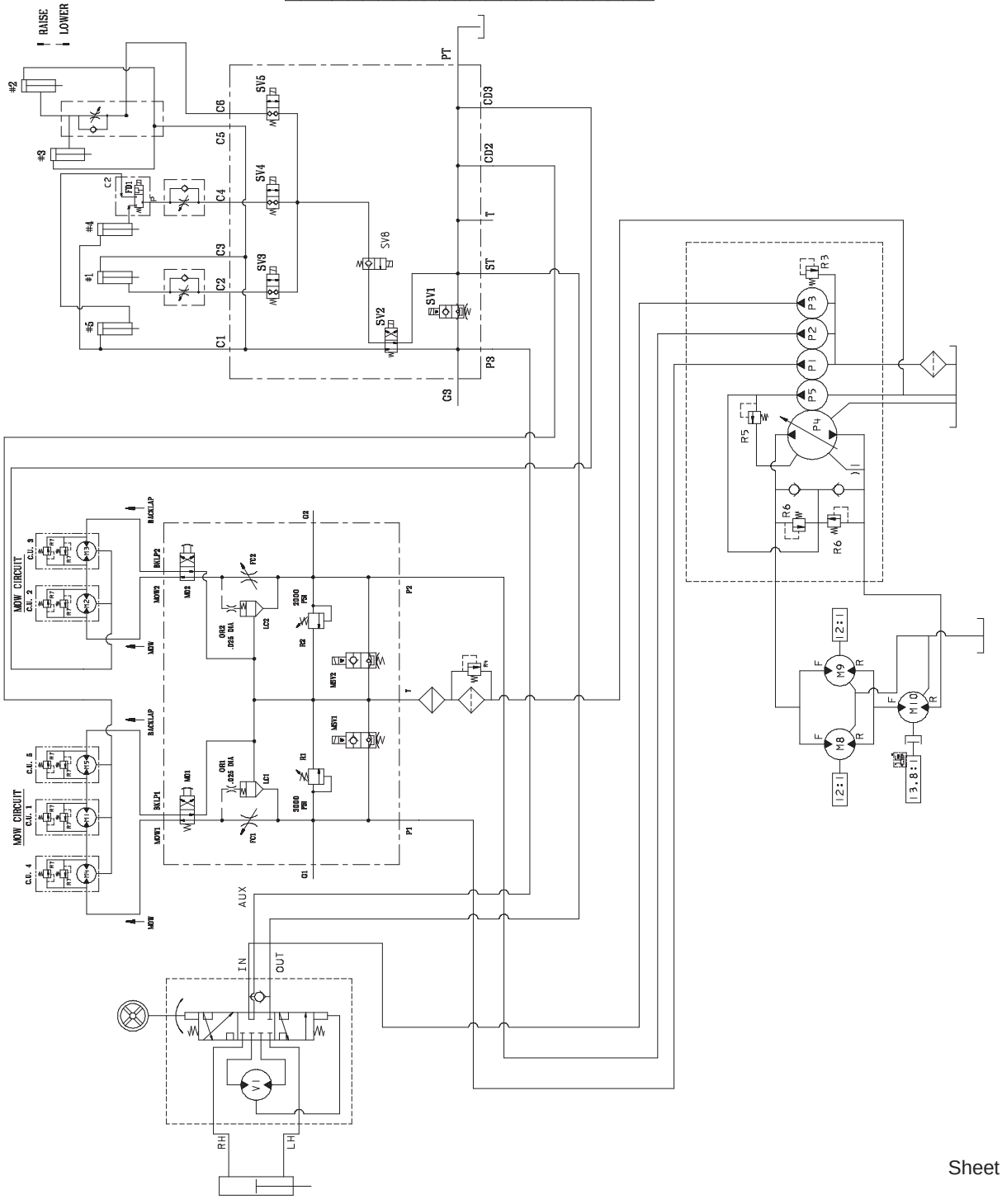
* FLOW RATE CALCULATED AT 3000 RPM AND 98% EFFICIENCY.



4 Wheel Drive Hydraulic Schematic (Model 03807 Only)

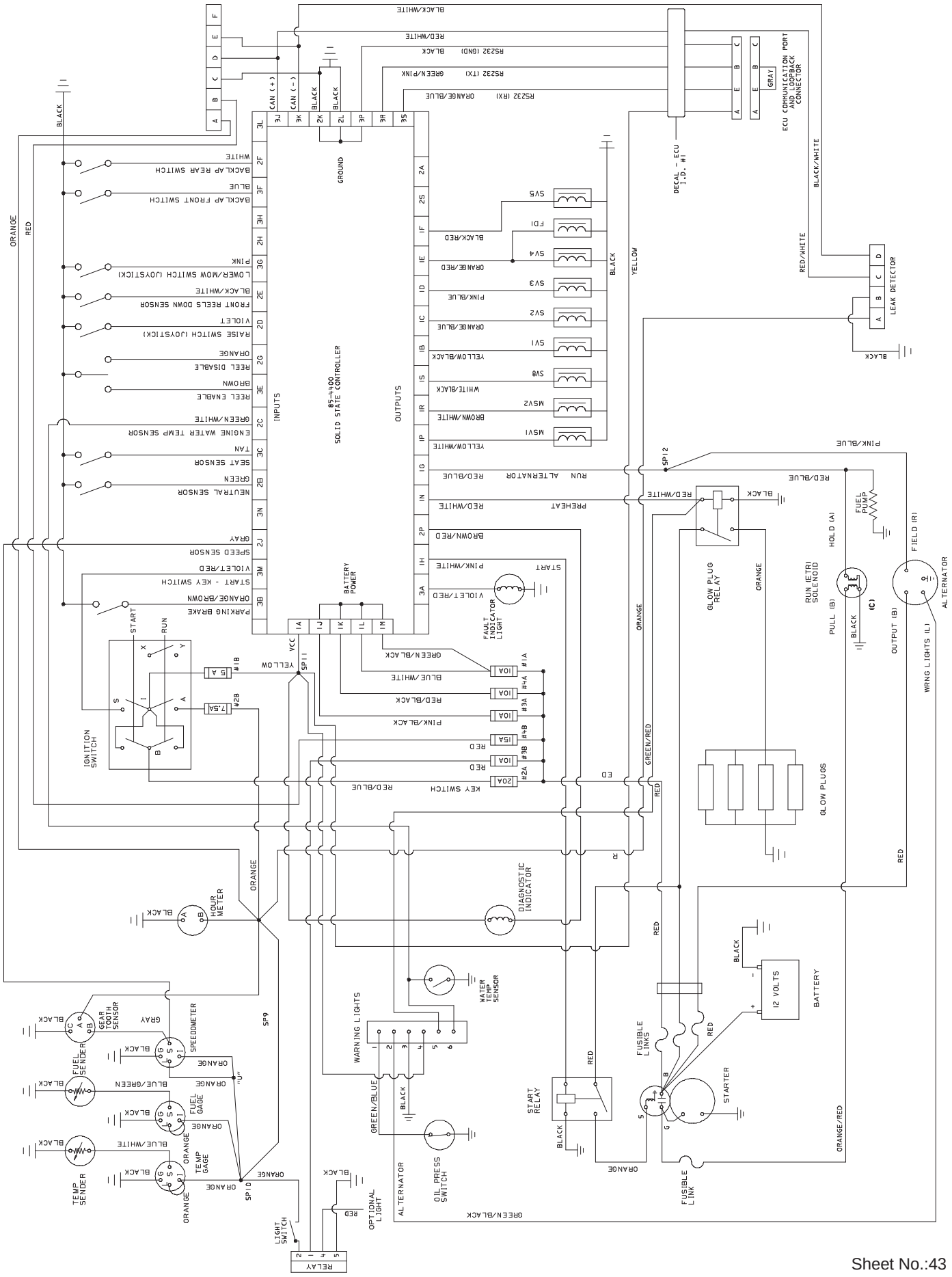
DISPLACEMENT, FLOW RATE, AND PRESSURE CHART						
COMPONENT	DISPLACEMENT		PRESSURE		FLOW RATE *	
	in^3/rev	cm^3/rev	lbs/in^2	BARS	GPM	LPM
P1	.66	10.8			8.4	31.8
P2	.66	10.8			8.4	31.8
P3	.40	6.6			5.1	19.3
P4	2.48	40.6			31.6	119.5
P5	.84	13.8			10.7	40.5
M1	1.16	19				
M2	1.16	19				
M3	1.16	19				
M4	1.16	19				
M5	1.16	19				
M8	2.01	32.9				
M9	2.01	32.9				
M10	2.48	40.6				
V1	6.1	100				
R1			3000	207		
R2			2000	138		
R3			1500	104		
R4			50	3.5		
R5			250	17.2		
R6			4000	276		
R7			1500	103		

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

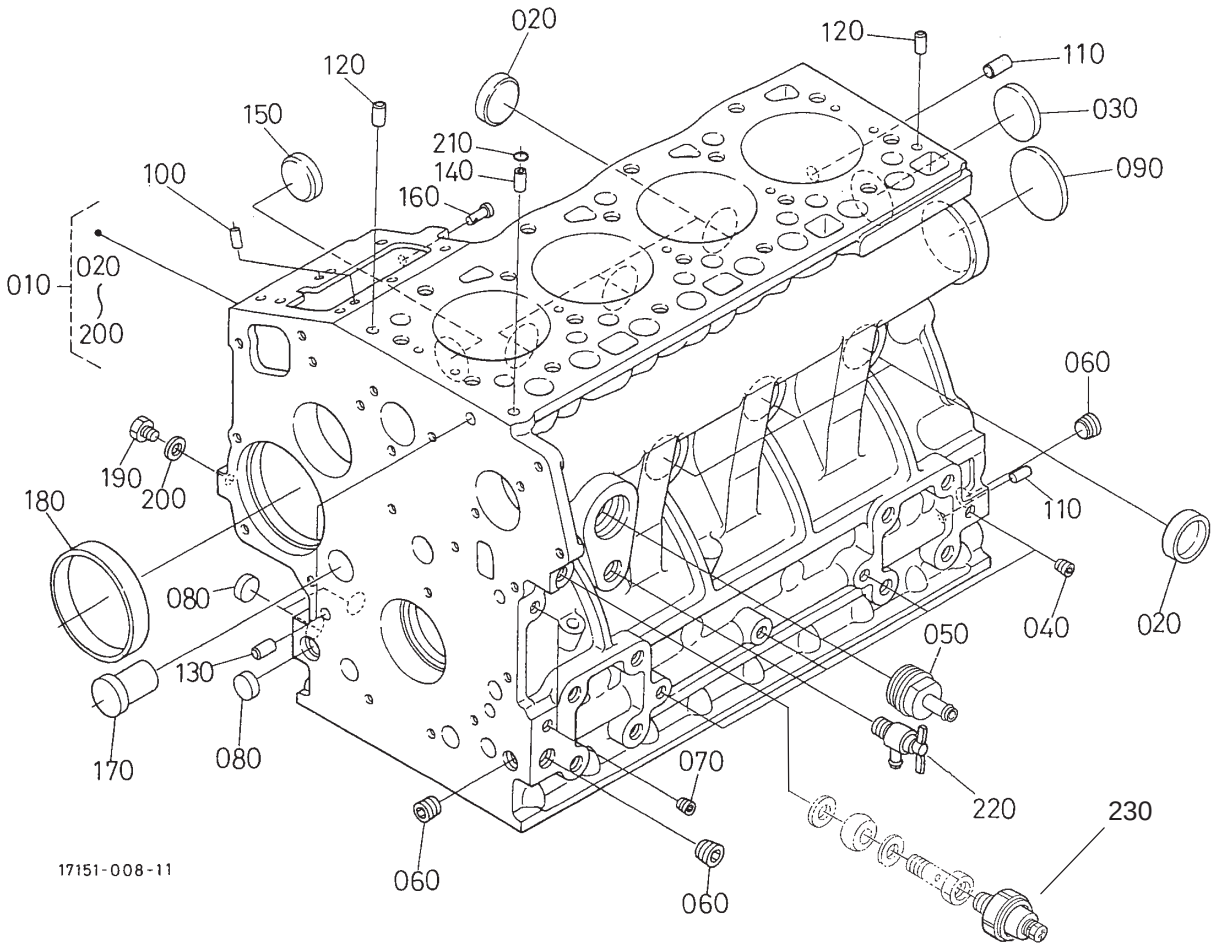


Sheet No.:39

Electrical Schematic



Sheet No.:43

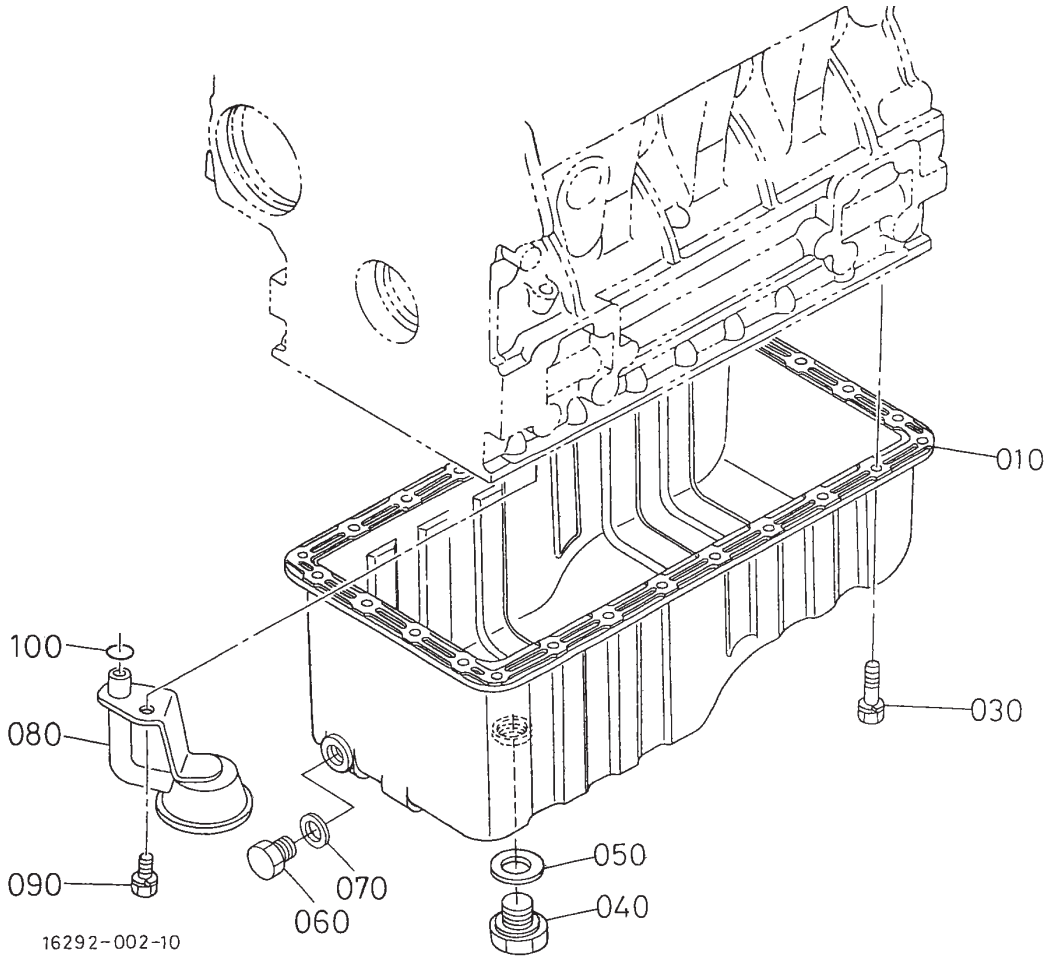


Sheet No.:51

Crankcase Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3701	1	Crankcase–Complete
020	98–9398	6	Cap–Sealing
030	98–7539	1	Cap–Sealing
040	98–7540	4	Cap–Sealing
050	98–8347	1	Screw–Taptite
060	98–9597	3	Plug
070	98–7487	2	Plug
080	98–7489	3	Plug
090	98–9668	1	Plug
100	105–3793	2	Pin–Straight
110	105–3794	2	Pin–Straight
120	105–3795	2	Pin–Straight
130	98–9387	2	Pin–Pipe
140	98–9539	1	Pin–Pipe
150	98–9599	1	Plug
160	105–3796	1	Pin–Start Spring
170	98–9675	1	Plug
180	98–9656	1	Bush–Governor, Gear
190	98–7507	1	Plug
200	98–7428	1	Gasket
210	98–7509	1	O–Ring
220	98–9436	1	Drain Cock ASM
230	98–9416	1	Switch–Oil

Ref. No.	Part No.	Qty.	Description

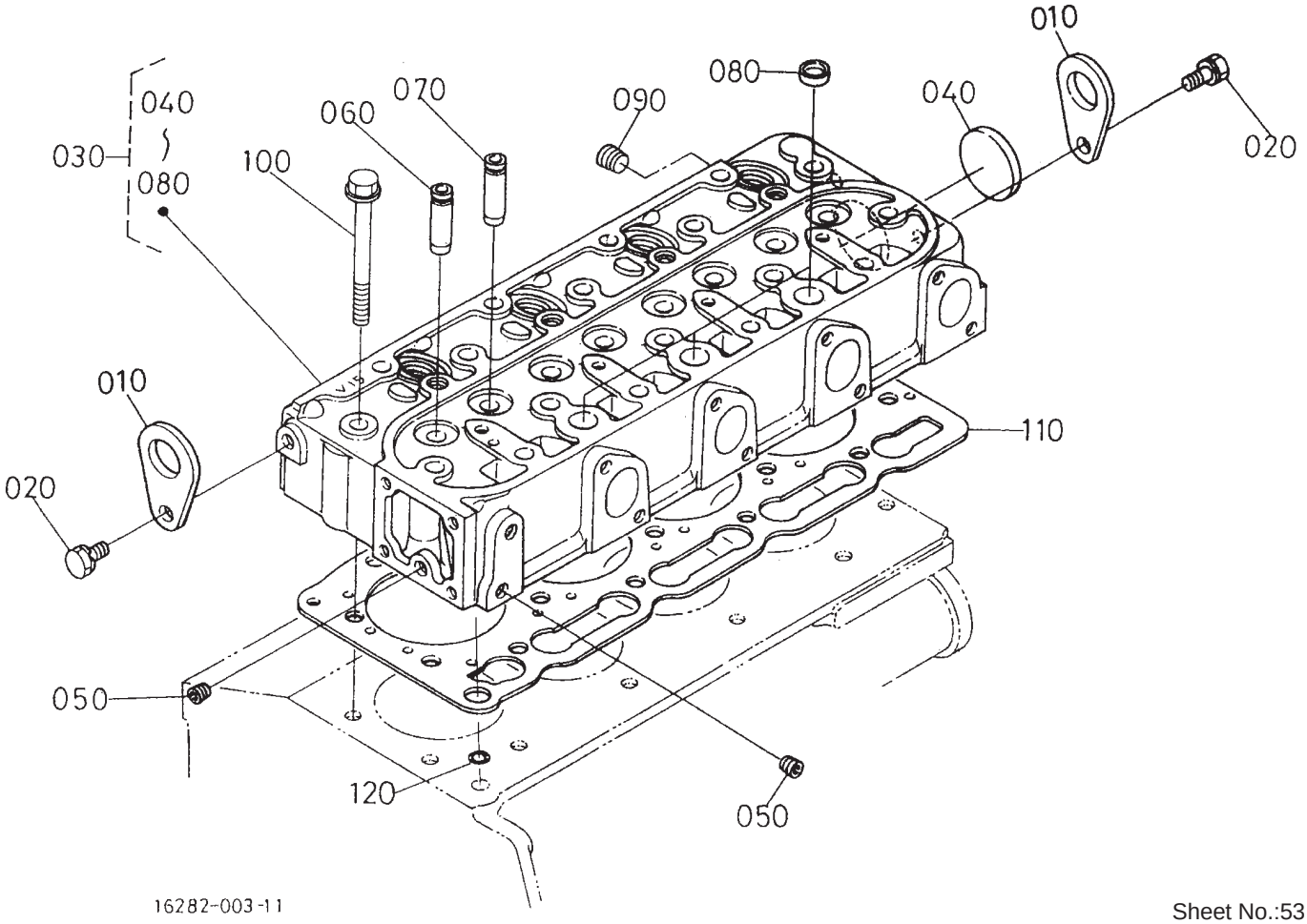


Sheet No.:52

Oil Pan Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3702	1	Pan–Oil, Complete
030	98–9350	2	Bolt
040	105–3703	1	Plug–Drain
050	98–9399	1	Gasket
060	98–9386	1	Plug
070	98–7524	1	Gasket
080	105–3704	1	Filter–Oil
090	98–7526	1	Bolt
100	105–3776	1	O–Ring

Ref. No.	Part No.	Qty.	Description

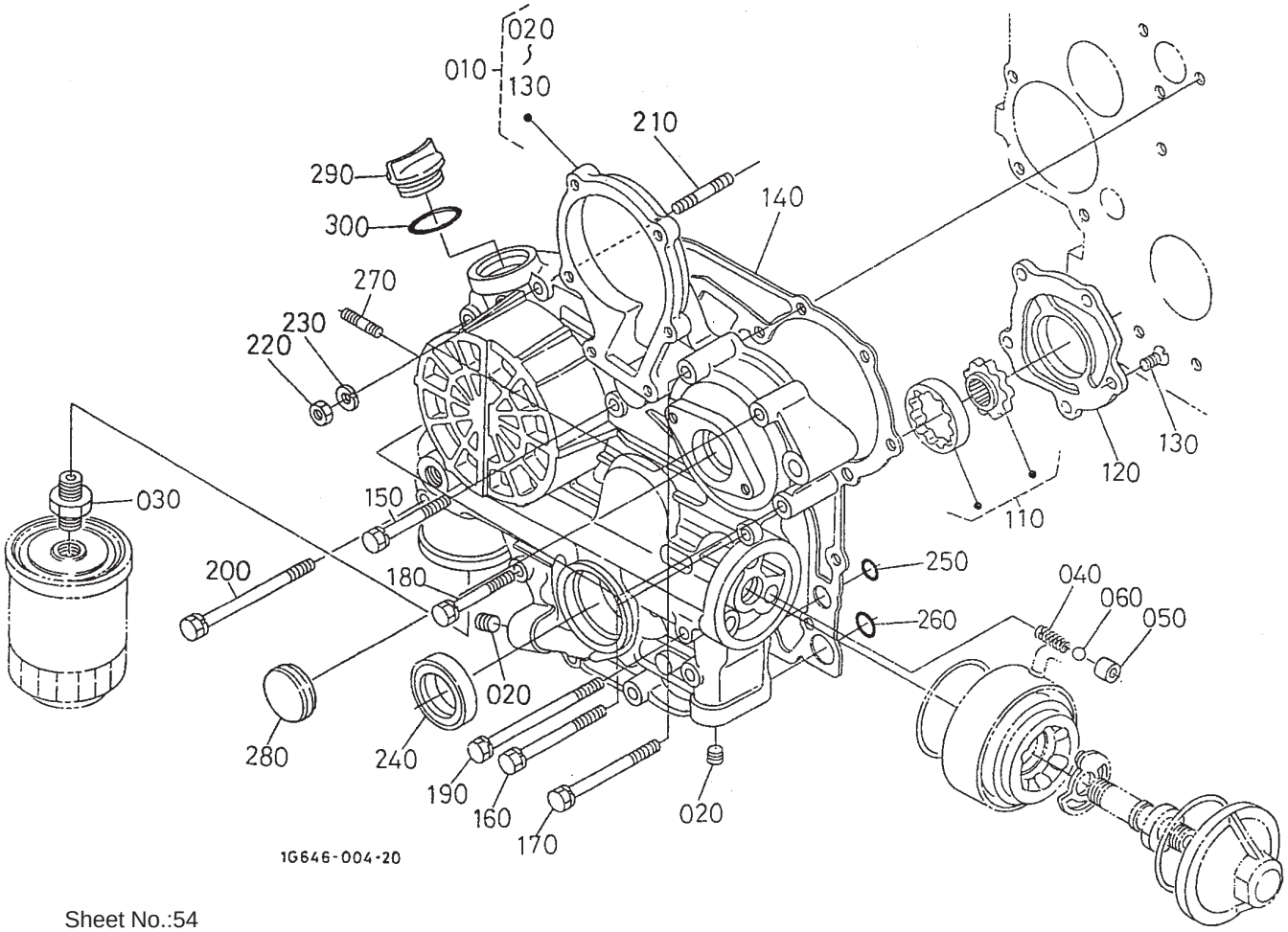


Sheet No.:53

Cylinder Head Assembly

Ref. No.	Part No.	Qty.	Description
010	98–7531	2	Hook–Engine
020	100–9195	2	Bolt
030	105–3775	1	Head–Cylinder, Complete
040	105–3705	1	Cap–Sealing
050	98–7540	2	Cap–Sealing
060	98–9499	4	Guide–Valve, Inlet
070	98–9500	4	Guide–Valve, Exhaust
080	98–9389	3	Cap–Sealing
090	98–9444	1	Plug
100	98–9479	1	Bolt–Head, Cylinder
110	105–3706	1	Gasket–Head, Cylinder
120	98–7509	1	O–Ring

Ref. No.	Part No.	Qty.	Description

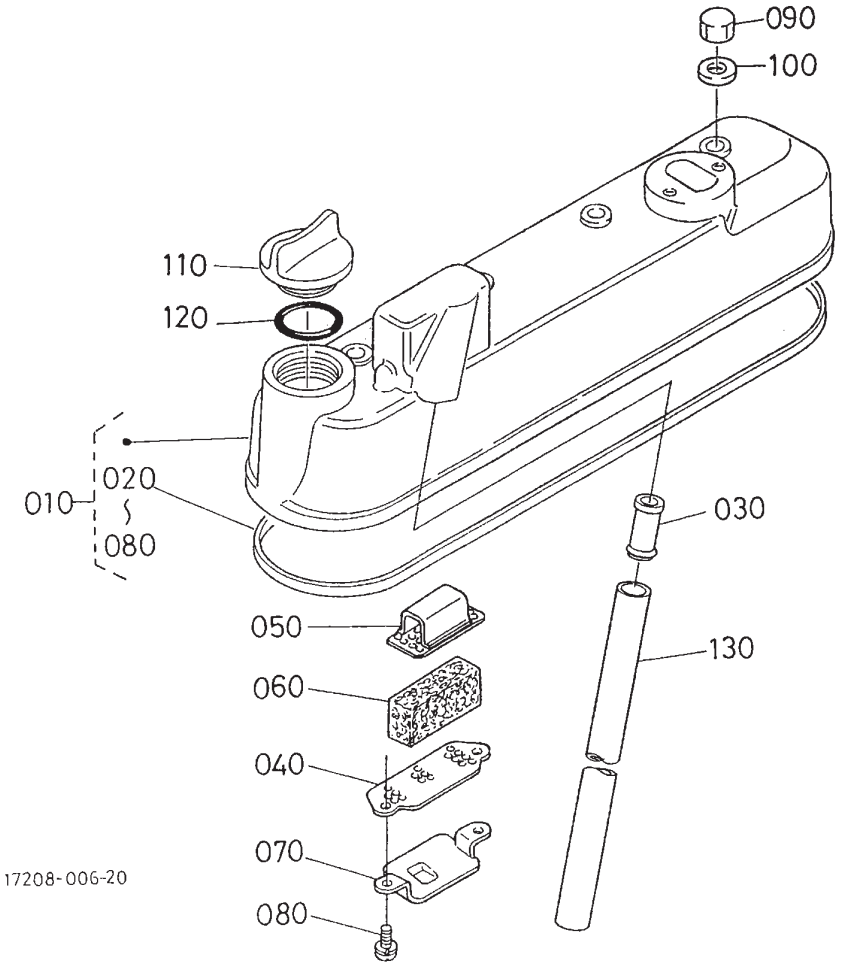


Sheet No.:54

Gear Case Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3707	1	Case–Gear, Complete
020	98–9598	5	Plug
030	98–9388	1	Joint–Pipe
040	98–9544	1	Spring
050	98–9543	1	Seat–Valve
060	98–9380	1	Ball
110	98–9540	1	Oil Pump Rotor ASM
120	105–3708	1	Cover–Pump, Oil
130	98–9592	5	Screw
140	98–9633	1	Gasket–Case, Gear
150	98–7496	3	Bolt
160	105–3797	4	Bolt
170	98–9356	2	Bolt
180	98–9437	1	Bolt
190	98–9586	2	Bolt
200	99–3511	1	Bolt
210	105–3709	1	Stud
220	98–7572	1	Nut
230	98–7699	1	Washer–Spring
240	98–9482	1	Seal–Oil
250	98–9372	2	O–Ring
260	105–3777	1	O–Ring
270	105–3710	2	Stud
280	98–9641	1	Cover
290	98–9449	1	Plug–Filler, Oil
300	99–3446	1	O–Ring

Ref. No.	Part No.	Qty.	Description

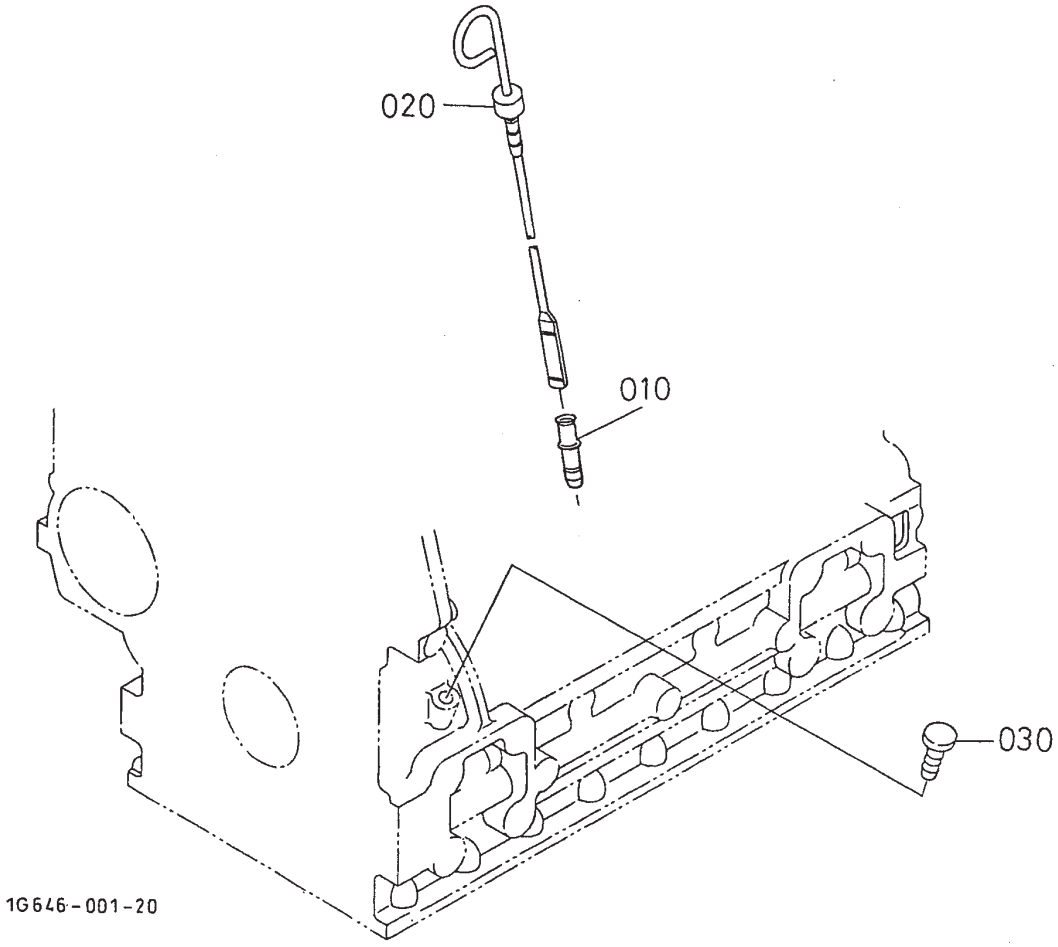


Sheet No.:55

Head Cover Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3711	1	Cylinder Head Cover ASM
020	105–3712	1	Gasket–Cover, Head
030	98–9492	1	Joint–Pipe, Breather
040	98–9488	1	Plate–Element, Breather
050	98–9489	1	Plate–Element, Breather
060	98–9493	1	Element–Breather
070	98–9490	1	Shield–Oil, Breather
080	98–7421	2	Screw W/Washer
090	98–9455	4	Nut–Cap
100	98–9454	4	Gasket
110	98–9449	1	Plug–Filler, Oil
120	99–3446	1	O–Ring
130	98–9491	1	Pipe–Breather

Ref. No.	Part No.	Qty.	Description

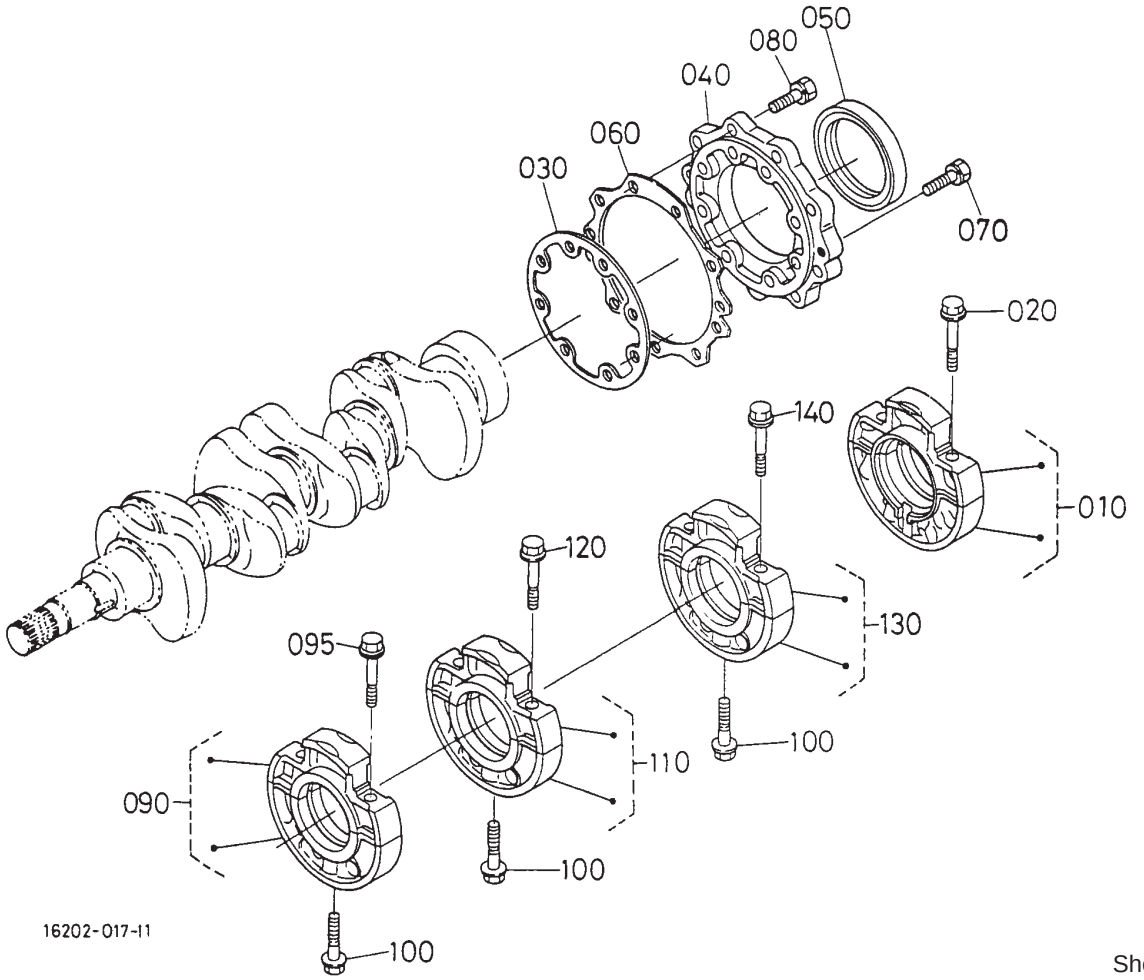


Sheet No.:56

Dipstick and Guide Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3713	1	Guide–Gauge, Oil
020	105–3714	1	Gauge–Oil
030	105–3715	1	Plug–Gauge, Oil

Ref. No.	Part No.	Qty.	Description

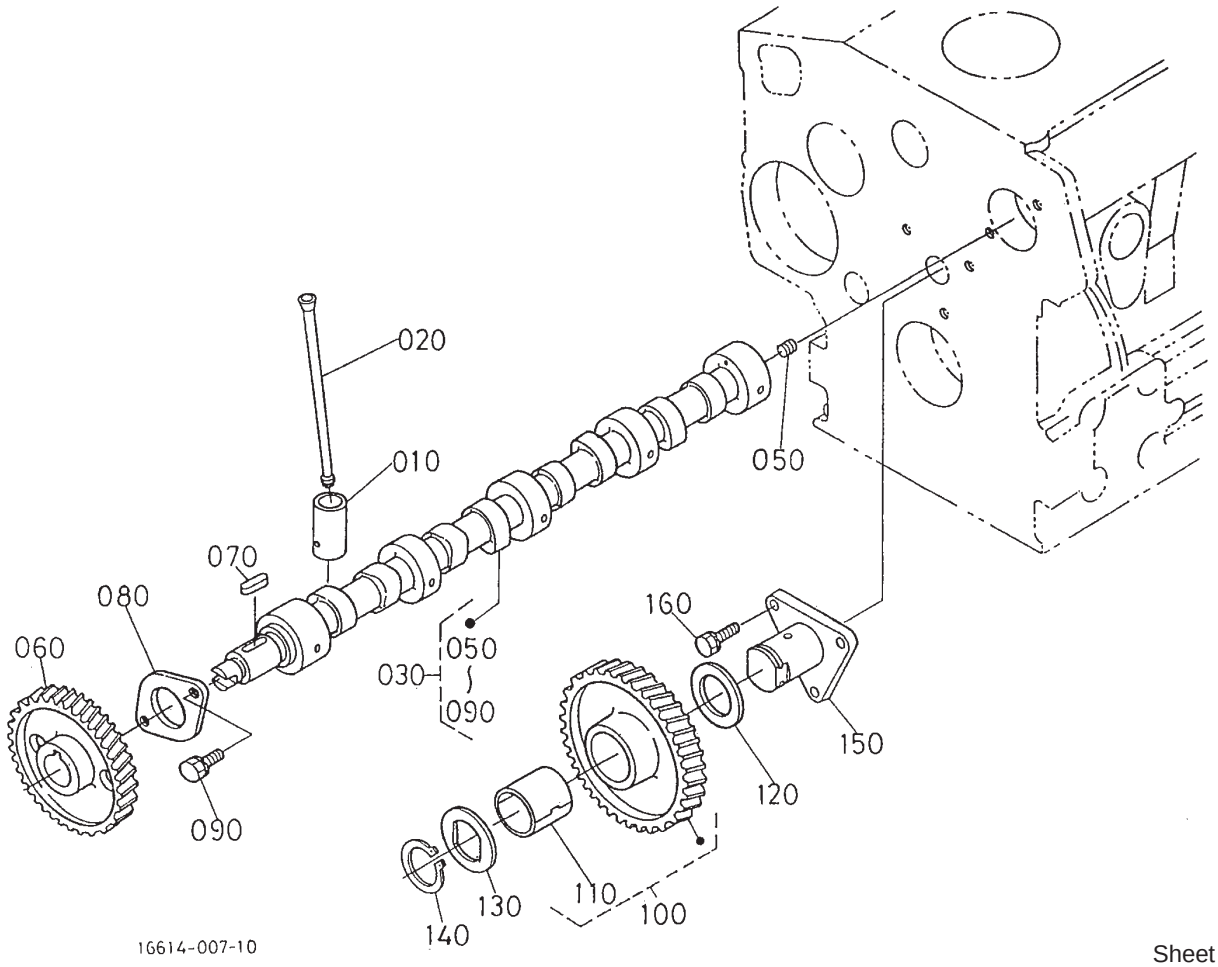


Sheet No.:57

Main Bearing Case Assembly

Ref. No.	Part No.	Qty.	Description
010	98–9480	1	Main Bearing Case ASM
020	98–9484	2	Bolt–Case, Bearing
030	98–9634	1	Gasket–Case, Bearing
040	98–9487	1	Cover–Case, Bearing
050	98–9483	1	Seal–Oil
060	98–9635	1	Gasket–Cover, Bearing Case
070	98–9352	8	Bolt
080	98–7568	9	Bolt
090	99–8361	1	Case–Bearing, Main
095	98–9484	2	Bolt–Case, Bearing
100	98–9485	3	Bolt–Case, Bearing
110	99–8360	1	Case–Bearing, Main
120	98–9484	2	Bolt–Case, Bearing
130	105–3716	1	Main Bearing Case ASM
140	98–9484	2	Bolt–Case, Bearing

Ref. No.	Part No.	Qty.	Description

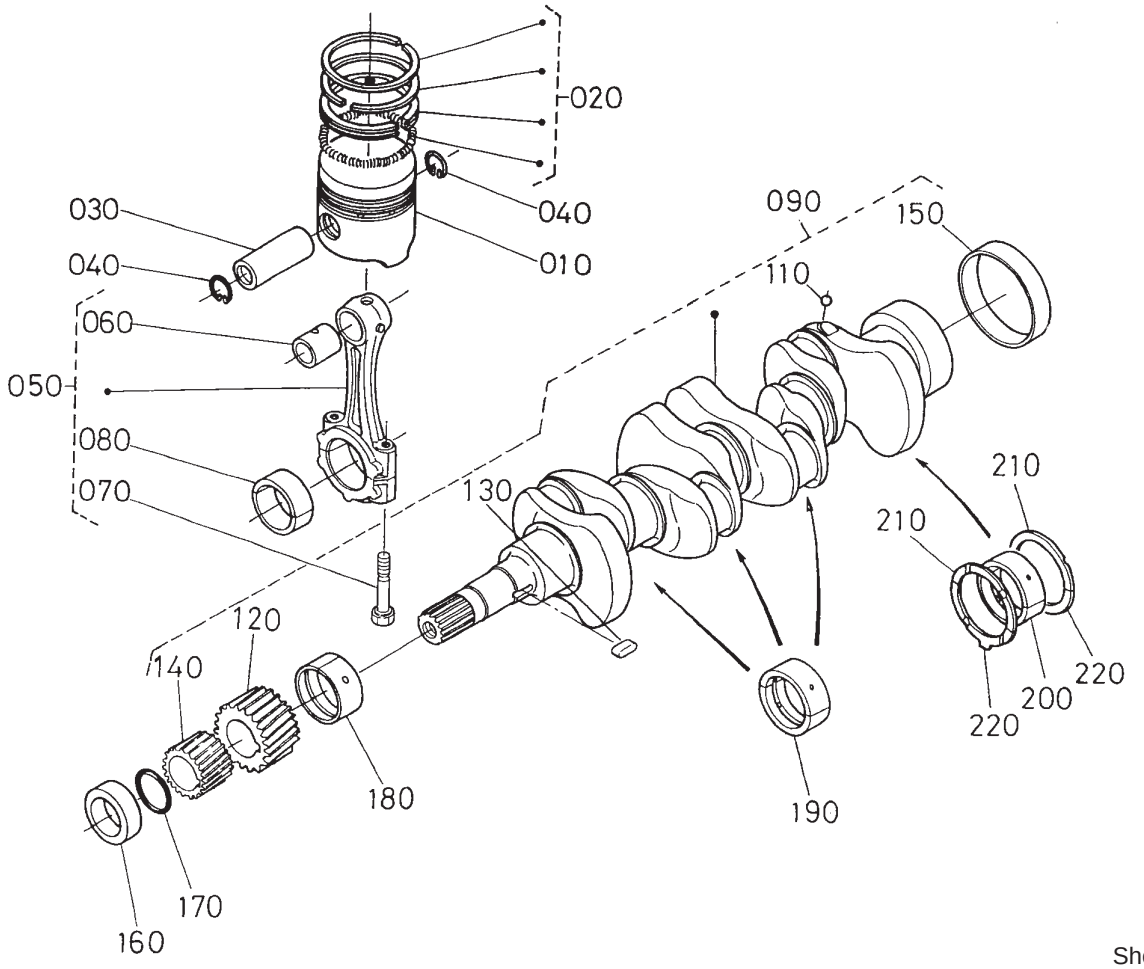


Sheet No.:58

Camshaft and Idle Gear Shaft Assembly

Ref. No.	Part No.	Qty.	Description
010	98–9616	8	Tappet
020	98–9509	8	Rod–Push
030	105–3717	1	Camshaft ASM
050	98–7449	1	Screw–Set
060	98–9512	1	Gear–Cam
070	98–9378	1	Key–Feather
080	98–9510	1	Stopper–Camshaft
090	98–9351	2	Bolt
100	98–9649	1	Idle Gear ASM
110	98–9650	1	Bushing–Gear, Idle
120	98–9535	1	Collar–Gear, Idle
130	98–9536	1	Collar–Gear, Idle
140	98–9534	1	Clip–Circular, Idle Gear
150	98–9533	1	Shaft–Gear, Idle
160	98–7692	3	Bolt

Ref. No.	Part No.	Qty.	Description

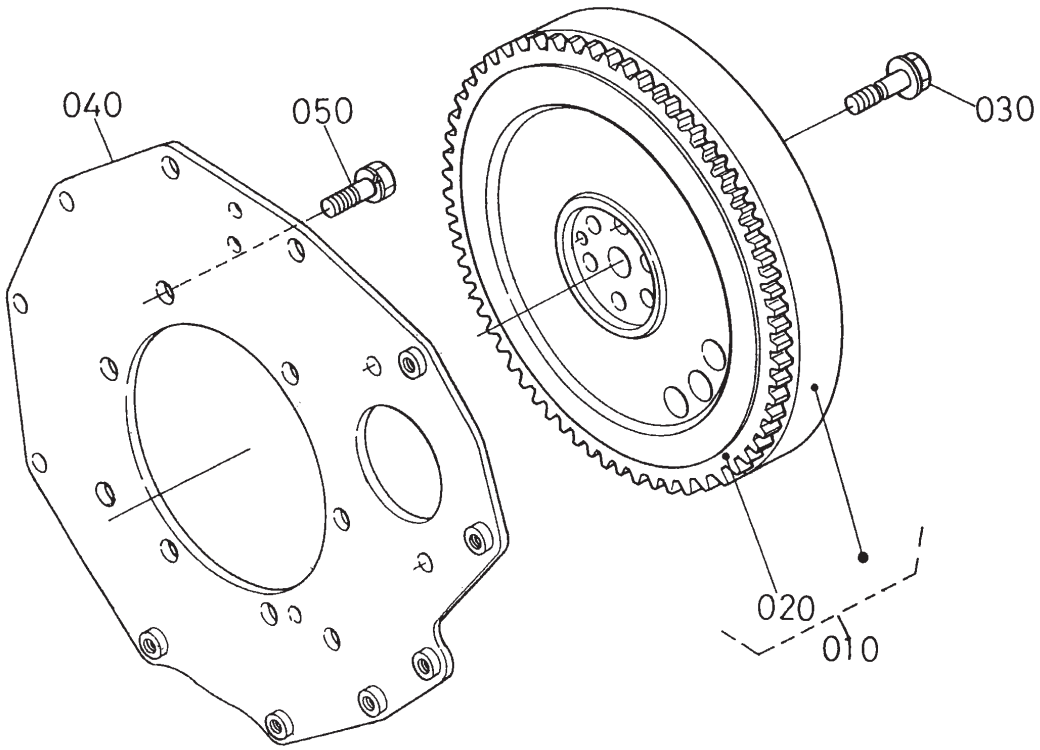


Sheet No.:59

Piston and Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description
010	98–9550	4	Piston – STD
020	98–9551	4	Piston Ring ASM (STD)
020	98–9619	4	Piston Ring ASM (+0.5mm)
030	98–9513	4	Pin–Piston
040	98–9514	8	Clip–Circular, Piston Pin
050	98–9552	4	Connecting Rod ASM
060	98–9515	4	Bushing–Pin, Piston
070	98–9517	8	Bolt–Rod, Connecting
080	98–9553	4	Bearing–Rod (STD)
080	98–9519	4	Bearing–Rod (–0.2mm)
080	98–9520	4	Bearing–Rod (–0.4mm)
090	105–3718	1	Crankshaft–Complete
110	98–7473	4	Ball
120	98–9532	1	Gear–Crankshaft
130	98–9666	1	Key
140	98–9542	1	Gear–Drive, Oil Pump
150	98–9522	1	Sleeve–Crankshaft
160	98–9521	1	Collar–Crankshaft
170	98–9373	1	O–Ring
180	98–9529	1	Bearing–Main (–0.4mm)

Ref. No.	Part No.	Qty.	Description
180	98–9528	1	Bearing–Main (–0.2mm)
180	98–9554	1	Bearing–Main (STD)
190	98–9531	3	Bearing–Main (–0.4mm)
190	98–9530	3	Bearing–Main (–0.2mm)
190	98–9524	3	Metal–Crankshaft(Std.set)
200	105–3720	1	Metal–Crankshaft (.4mm)
200	105–3719	1	Metal–Crankshaft (.2mm)
200	98–9556	1	Bearing–Main (STD)
210	98–9415	2	Bearing–Thrust (+0.4mm)
210	98–9414	2	Bearing–Thrust (+0.2mm)
210	99–6864	2	Metal – Side, STD
220	99–6869	2	Metal – Side, O/S 0.4mm
220	99–6868	2	Metal – Side, O/S 0.2mm
220	99–6867	2	Metal – Side, STD



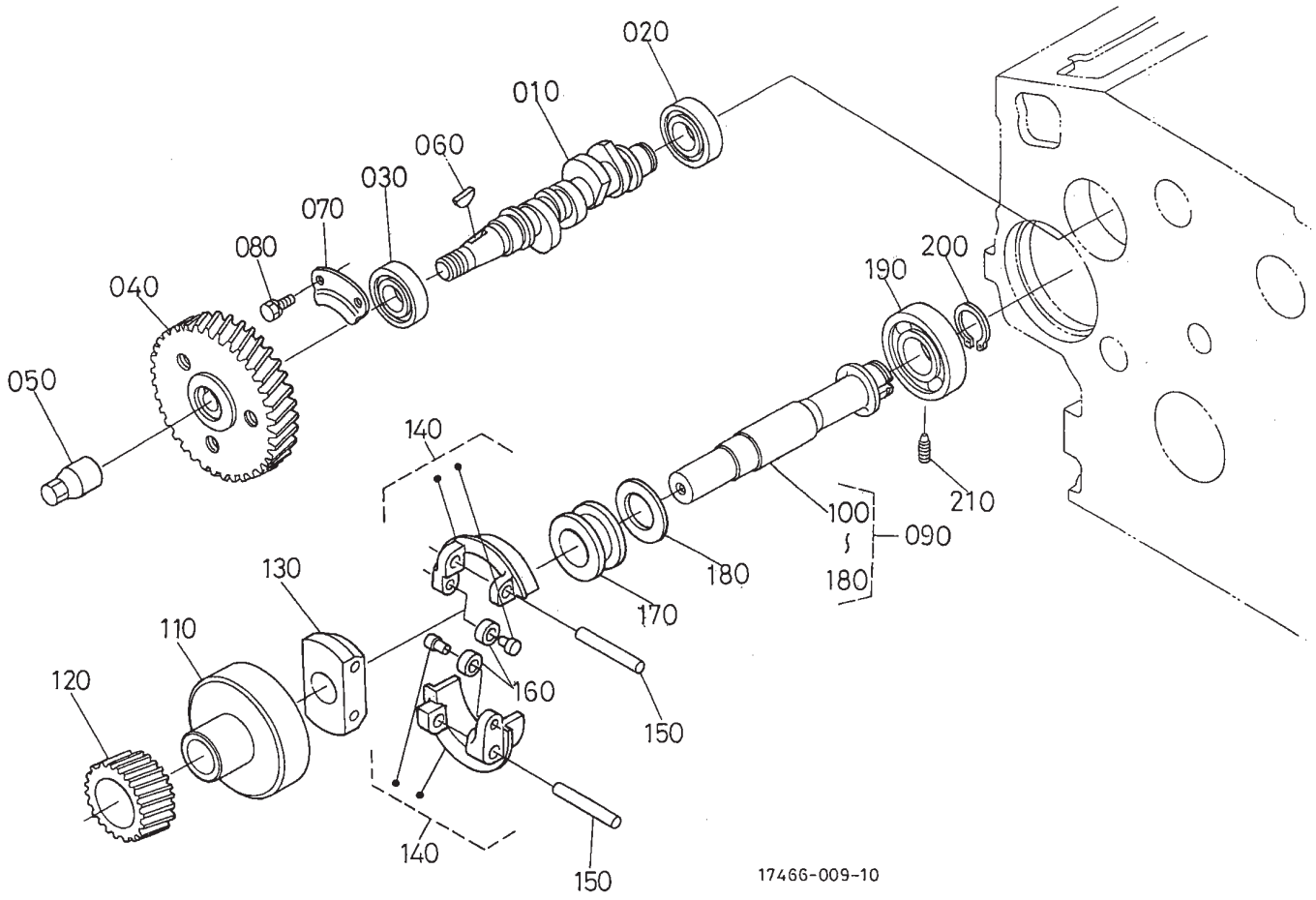
16615-009-10

Sheet No.:60

Flywheel Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3721	1	Flywheel–Complete
020	105–3722	1	Gear–Ring
030	98–9537	6	Bolt–Flywheel
040	98–9486	1	Plate–End, Rear
050	98–9392	8	Bolt

Ref. No.	Part No.	Qty.	Description

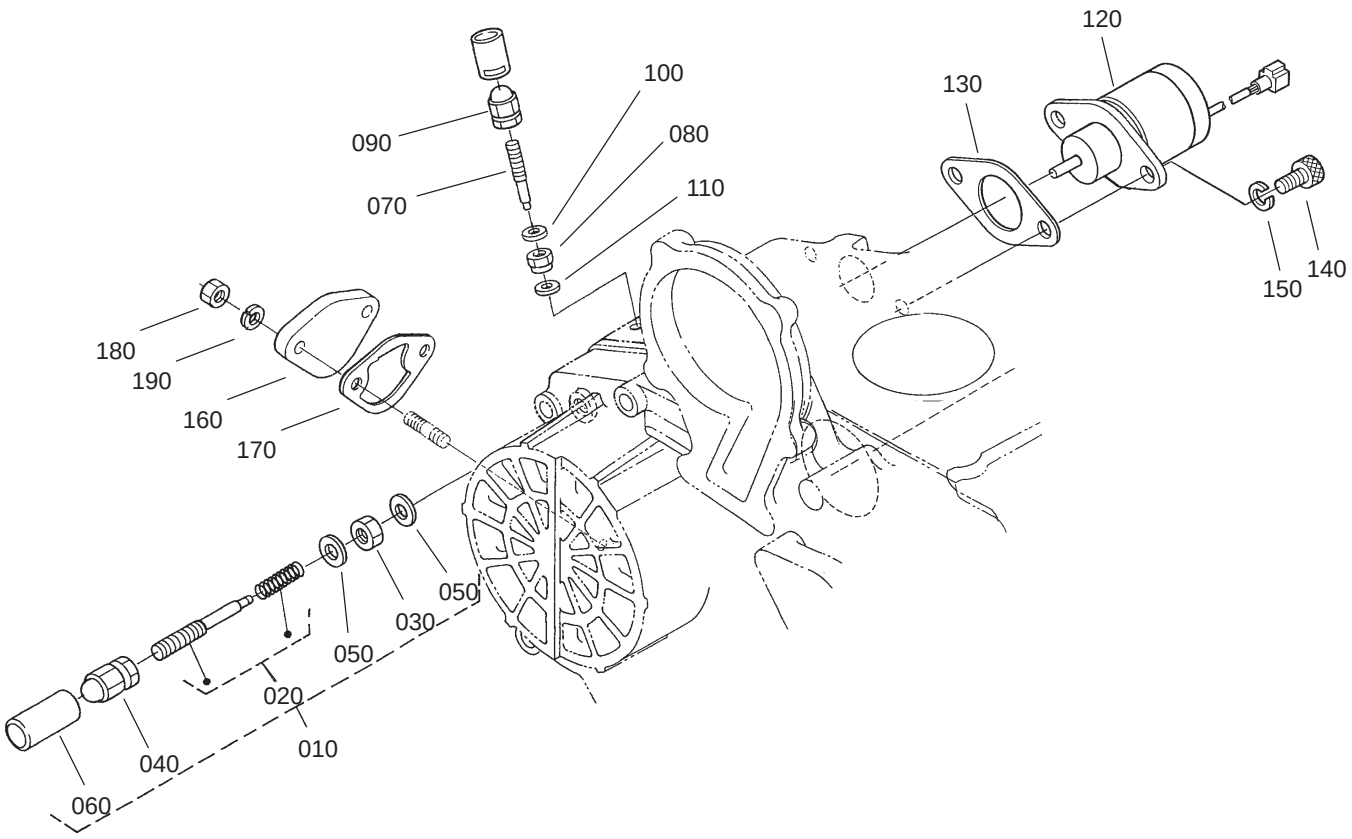


Sheet No.:61

Fuel Camshaft and Governor Shaft Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3723	1	Camshaft–Fuel
020	98–9382	1	Bearing–Ball
030	98–9383	1	Bearing–Ball
040	98–9669	1	Gear–Pump, Injection
050	98–9590	1	Nut–Cap
060	98–9595	1	Key–Woodruff
070	98–9511	1	Stopper–Fuel, Camshaft
080	98–9350	2	Bolt
090	105–3724	1	Governor Shaft ASM
100	105–3725	1	Shaft, Governor
110	98–9562	1	Holder–Gear, Governor
120	98–9673	1	Gear–Governor
130	98–9561	1	Holder–Weight, Governor
140	98–9559	2	Governor Weight ASM
150	98–9560	2	Shaft–Weight, Governor
160	98–9692	2	Roller
170	98–9563	1	Sleeve–Governor
180	98–9564	1	Washer–Thrust
190	98–9381	1	Bearing–Ball
200	98–9657	1	Clip–Circular, Governor Shaft
210	98–9565	1	Screw–Set

Ref. No.	Part No.	Qty.	Description

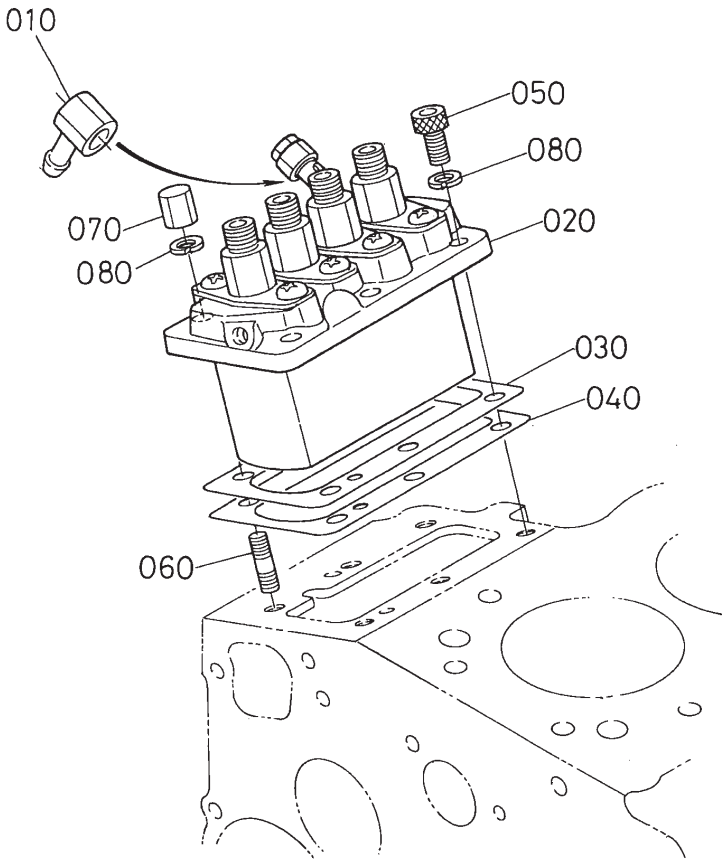


Sheet No.:62

Idle Apparatus, Stop Solenoid and Cover Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3726	1	Idle Apparatus ASM
020	98–9679	1	Adjusting Bolt ASM
030	98–9439	1	Nut
040	105–3798	1	Nut
050	98–7654	2	Gasket
060	98–7656	1	Cap
070	98–9557	1	Bolt–Adjusting
080	99–3512	1	Nut
090	105–3798	1	Nut
100	98–7654	1	Gasket
110	99–8389	1	Gasket
120	98–9693	1	Solenoid–Stop
130	98–9683	1	Gasket–Cover, Solenoid
140	105–3799	2	Bolt–HSH
150	98–7699	2	Washer–Spring
160	99–3514	1	Cover
170	98–9636	1	Gasket–Pump, Fuel
180	98–7572	2	Nut
190	98–7699	2	Washer–Spring

Ref. No.	Part No.	Qty.	Description

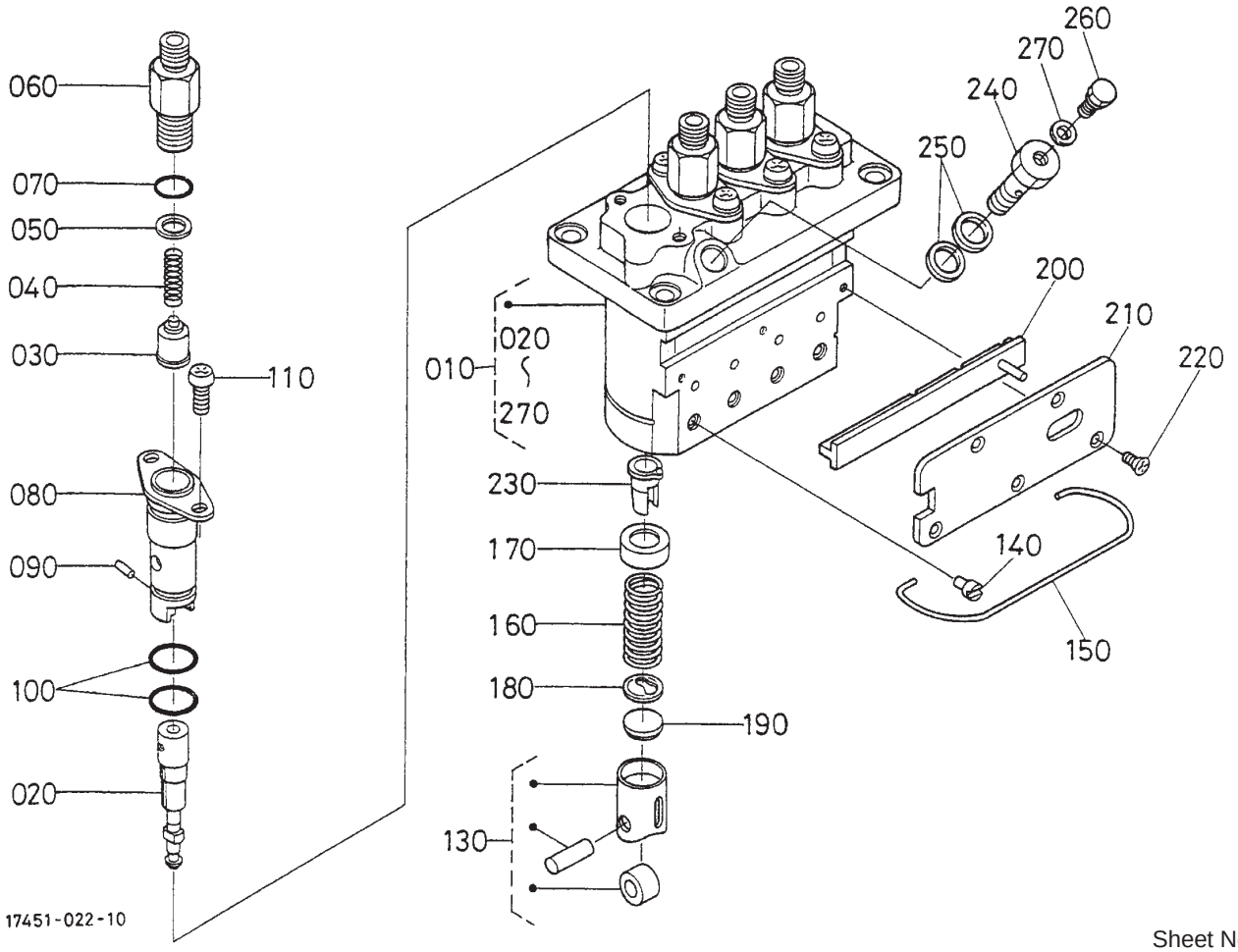


Sheet No.:63

Injection Pump Assembly

Ref. No.	Part No.	Qty.	Description
010	98–9596	1	Joint–Eye
020	105–3727	1	Injection Pump ASM
030	105–3729	1	Shim–Pump, Injection (.25mm)
030	105–3728	1	Shim–Pump, Injection (.20mm)
040	105–3730	1	Shim–Pump, Injection (.30mm)
050	98–9361	3	Bolt–HSH
060	98–9438	3	Stud
070	98–9440	3	Nut–Cap
080	98–7699	6	Washer–Spring

Ref. No.	Part No.	Qty.	Description

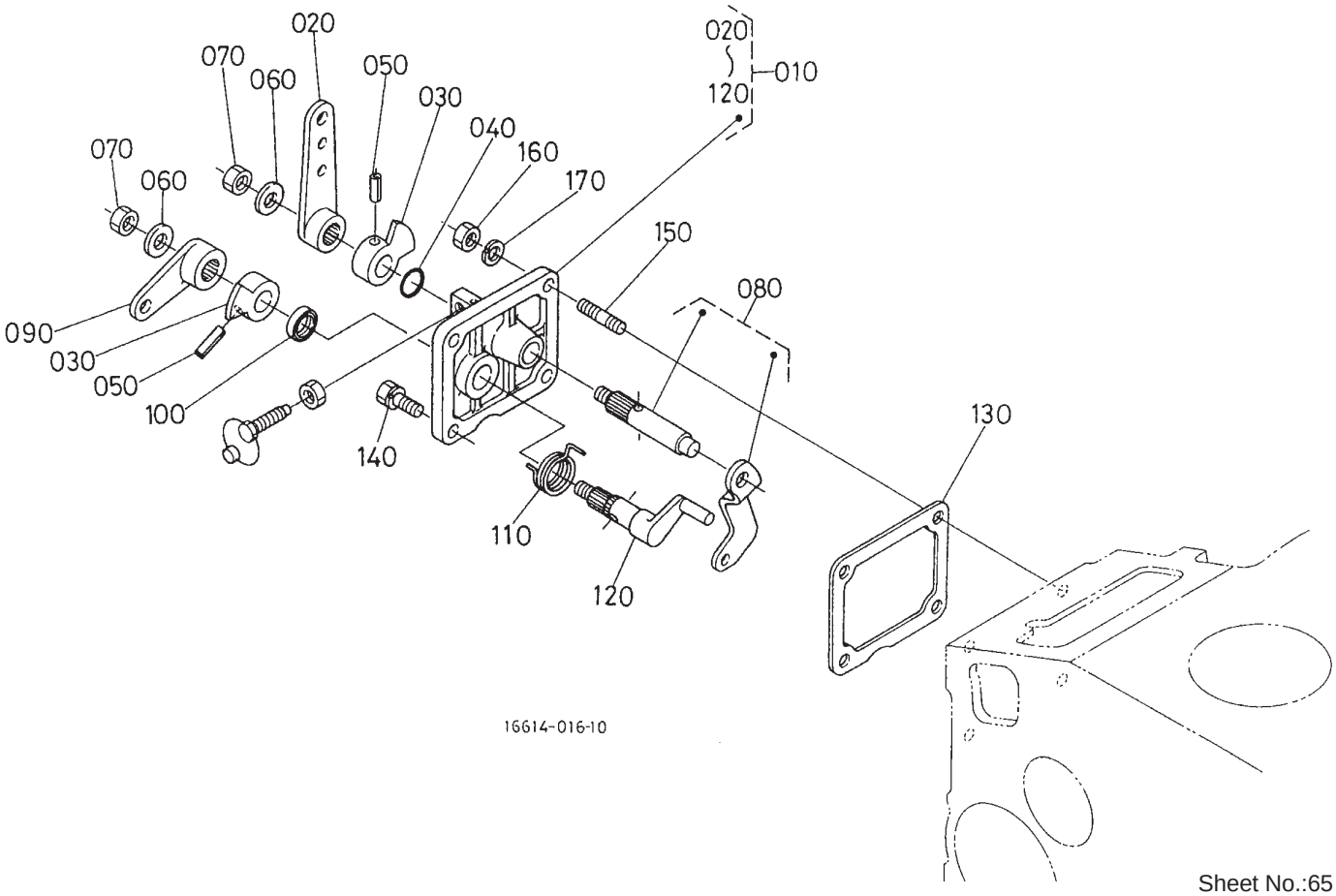


Sheet No.:64

Injection Pump Component Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3727	1	Injection Pump ASM
020	98–9462	4	Element–Pump
030	98–9421	4	Valve–Delivery
040	98–9424	4	Spring–Valve, Delivery
050	98–9425	4	Gasket–Valve, Delivery
060	98–9652	4	Holder–Valve, Delivery
070	98–9447	4	O–Ring
080	98–9434	4	Flange–Sleeve
090	98–9443	4	Pin–Joint
100	98–9423	8	O–Ring
110	105–2892	8	Screw
130	98–9422	4	Tappet ASM
140	98–9426	4	Pin–Guide, Tappet
150	105–3732	1	Pin–Clamp
160	98–9428	4	Spring–Plunger
170	98–9427	4	Seat–Spring, Upper
180	98–9429	4	Seat–Spring, Lower
190	98–9433	4	Shim
200	105–3733	1	Rack–Control
210	105–3734	1	Plate
220	98–9442	5	Screw
230	98–9432	4	Sleeve–Control
240	98–9464	1	Bolt–Joint
250	98–9445	2	Gasket

Ref. No.	Part No.	Qty.	Description
260	98–9430	1	Screw
270	98–9446	1	Gasket

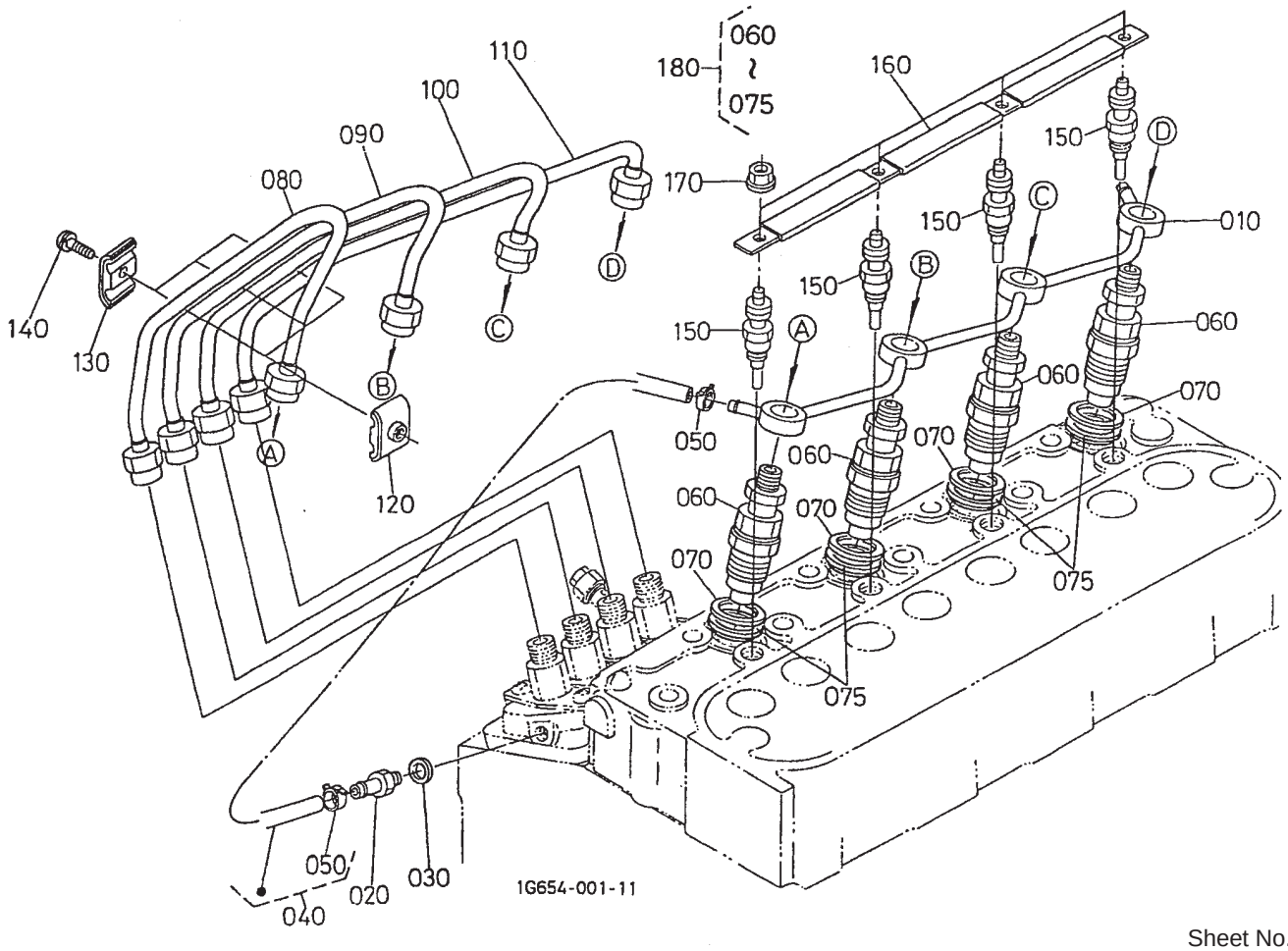


Sheet No.:65

Speed Control Plate Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3735	1	Control Plate ASM
020	98–9662	1	Lever–Control, Speed
030	98–9572	2	Lever–Control, Speed
040	105–3788	1	O–Ring
050	98–7602	2	Pin–Spring
060	98–9594	2	Washer–Plain
070	98–9589	2	Nut
080	98–9658	1	Governor Lever ASM
090	98–9663	1	Lever–Stop, Engine
100	98–7601	1	Seal–Oil
110	98–9472	1	Spring–Return
120	98–9664	1	Shaft–Lever, Stop
130	98–9637	1	Gasket
140	98–7692	2	Bolt
150	105–3736	2	Stud
160	98–7572	2	Nut
170	98–7699	2	Washer–Spring

Ref. No.	Part No.	Qty.	Description

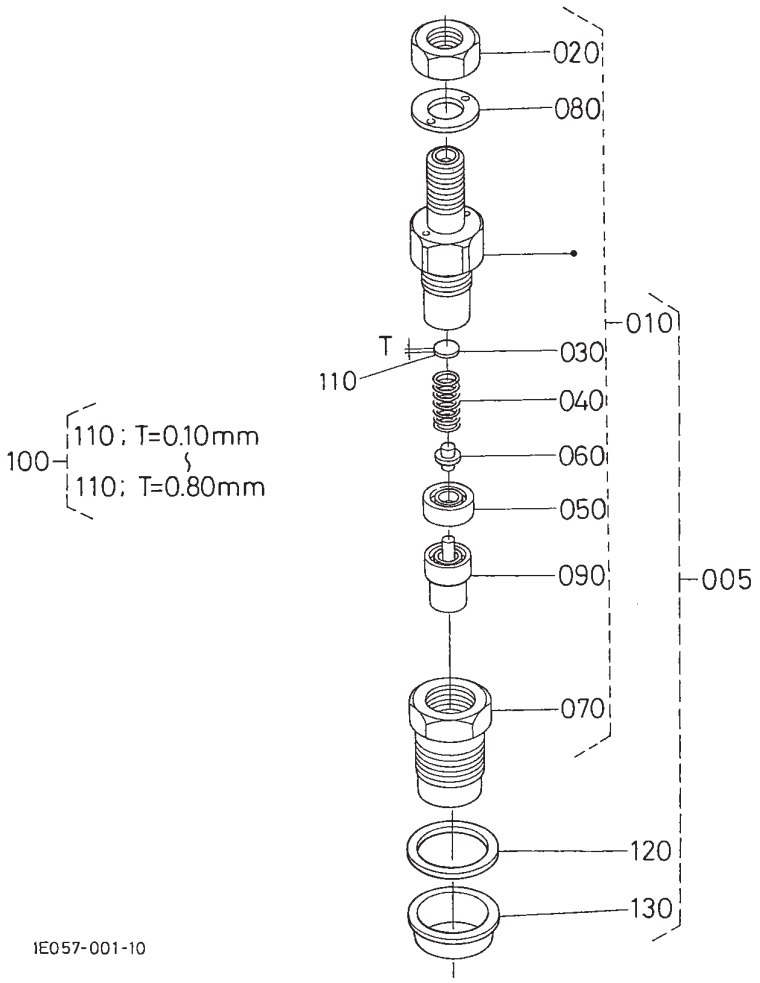


Sheet No.:66

Nozzle Holder and Glow Plug Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3737	1	Over Flow Pipe ASM
020	98–9431	1	Screw–Bleeder
030	98–7654	1	Gasket
040	98–9420	1	Over Flow Pipe ASM
050	98–7671	2	Clip–Pipe
060	98–9468	4	Nozzle Holder ASM
070	98–7676	4	Gasket
075	98–7677	4	Seal
080	98–9622	1	Pipe–Injection
090	98–9654	1	Pipe–Injection
100	98–9655	1	Pipe–Injection
110	105–3738	1	Pipe–Injection
120	98–7682	3	Clamp–Pipe
130	98–7683	3	Clamp–Pipe
140	98–9364	3	Screw W/Washer
150	98–9623	4	Plug–Glow
160	105–3739	1	Cord–Plug, Glow
170	99–8377	4	Nut – Flange
180	105–3740	4	Kit–Holder, Nozzle

Ref. No.	Part No.	Qty.	Description

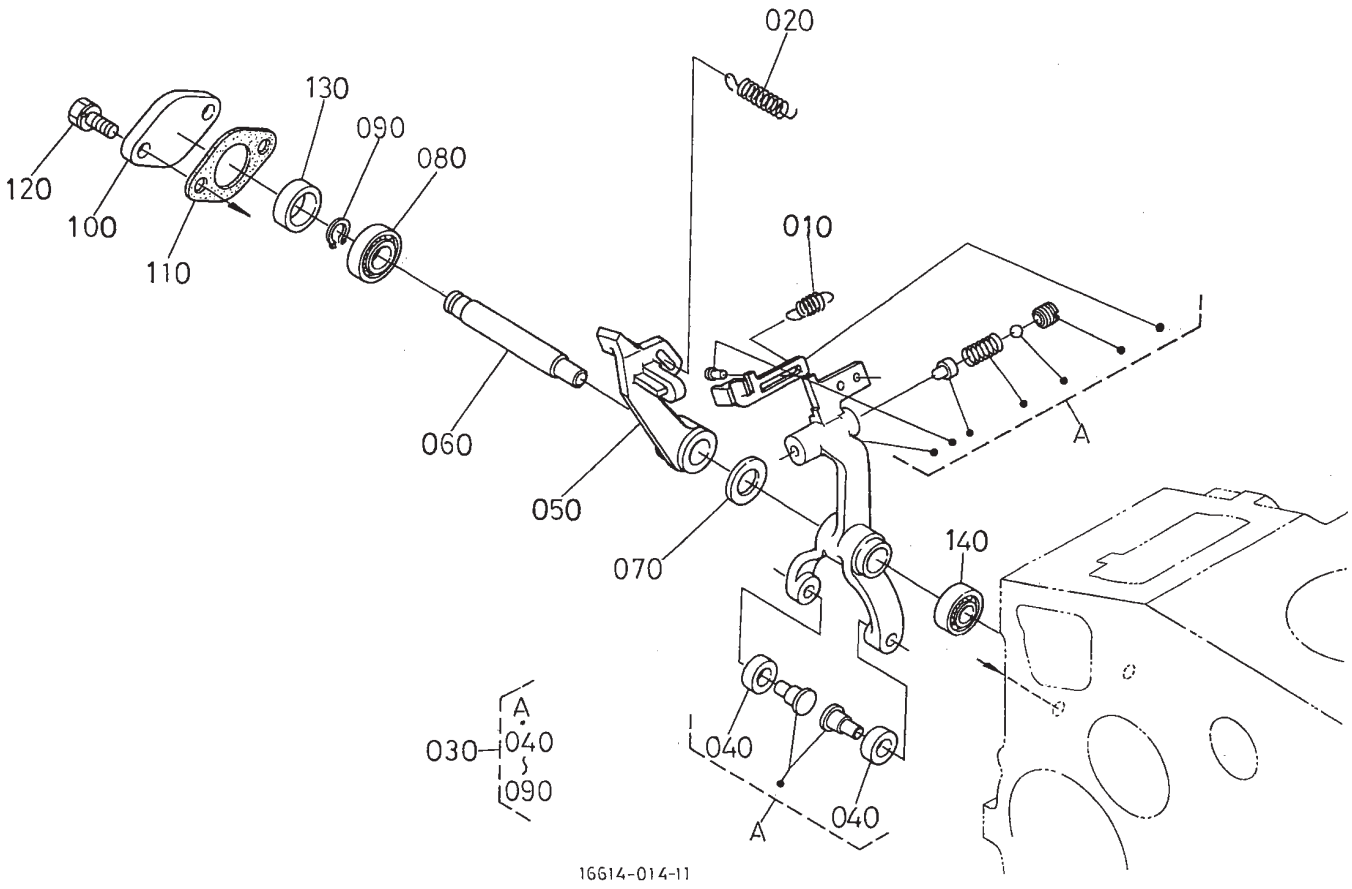


Sheet No.:67

Nozzle Holder Component Assembly

Ref. No.	Part No.	Qty.	Description
005	105–3740	4	Kit–Holder, Nozzle
010	98–9468	4	Nozzle Holder ASM
020	99–8301	4	Nut
030	99–8302	4	Washer–Adjusting
040	99–8303	4	Spring – Nozzle
050	99–8304	4	Spacer – Distance
060	99–8305	4	Rod–Push
070	99–8306	4	Nut – Nozzle
080	99–8307	4	Washer–Plain
090	99–8308	4	Piece – Nozzle
100	99–8309	4	Adjusting Washer ASM
110	99–8315	4	Washer–Adjust (0.52mm)
110	99–8316	4	Washer–Adjust (0.54mm)
110	99–8317	4	Washer–Adjust (0.56mm)
110	99–8318	4	Washer–Adjust (0.58mm)
110	99–8319	4	Washer–Adjust (0.80mm)
110	99–8310	4	Washer–Adjust (0.10mm)
110	99–8311	4	Washer–Adjust (0.20mm)

Ref. No.	Part No.	Qty.	Description
110	99–8312	4	Washer–Adjust (0.30mm)
110	99–8313	4	Washer–Adjust (0.40mm)
110	99–8314	4	Washer–Adjust (0.50mm)
120	98–7676	4	Gasket
130	98–7677	4	Seal

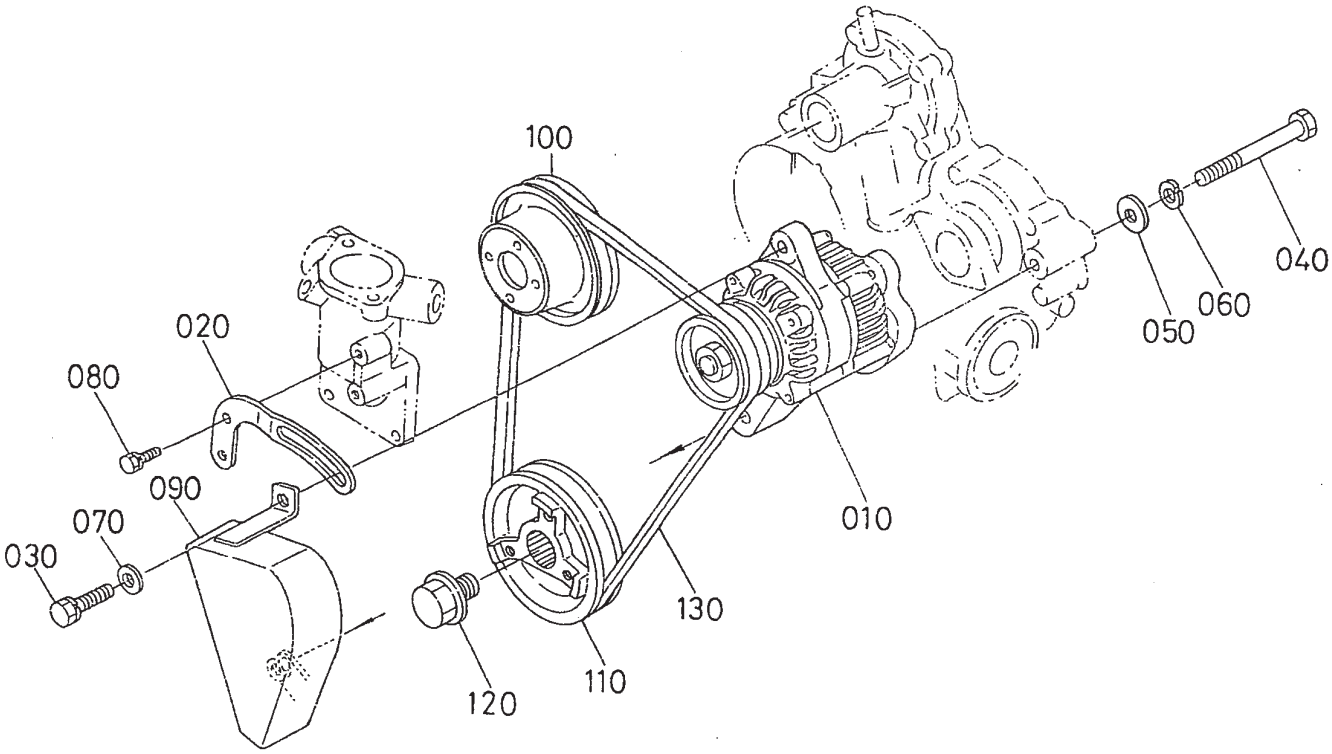


Sheet No.:68

Fork Lever (Governor) Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3741	1	Spring–Start
020	98–9681	1	Spring–Governor
030	105–3742	1	Fork Lever ASM
040	98–9692	2	Roller
050	105–3743	1	Lever–Fork
060	98–9566	1	Shaft–Lever, Fork
070	98–9593	1	Washer–Plain
080	98–9570	1	Bearing–Miniaturize
090	98–9369	1	Clip–Circular, External
100	98–9569	1	Cover–Shaft, Fork Lever
110	98–9682	1	Gasket
120	98–9351	2	Bolt
130	98–9567	1	Collar
140	98–9571	1	Bearing–Miniaturize

Ref. No.	Part No.	Qty.	Description



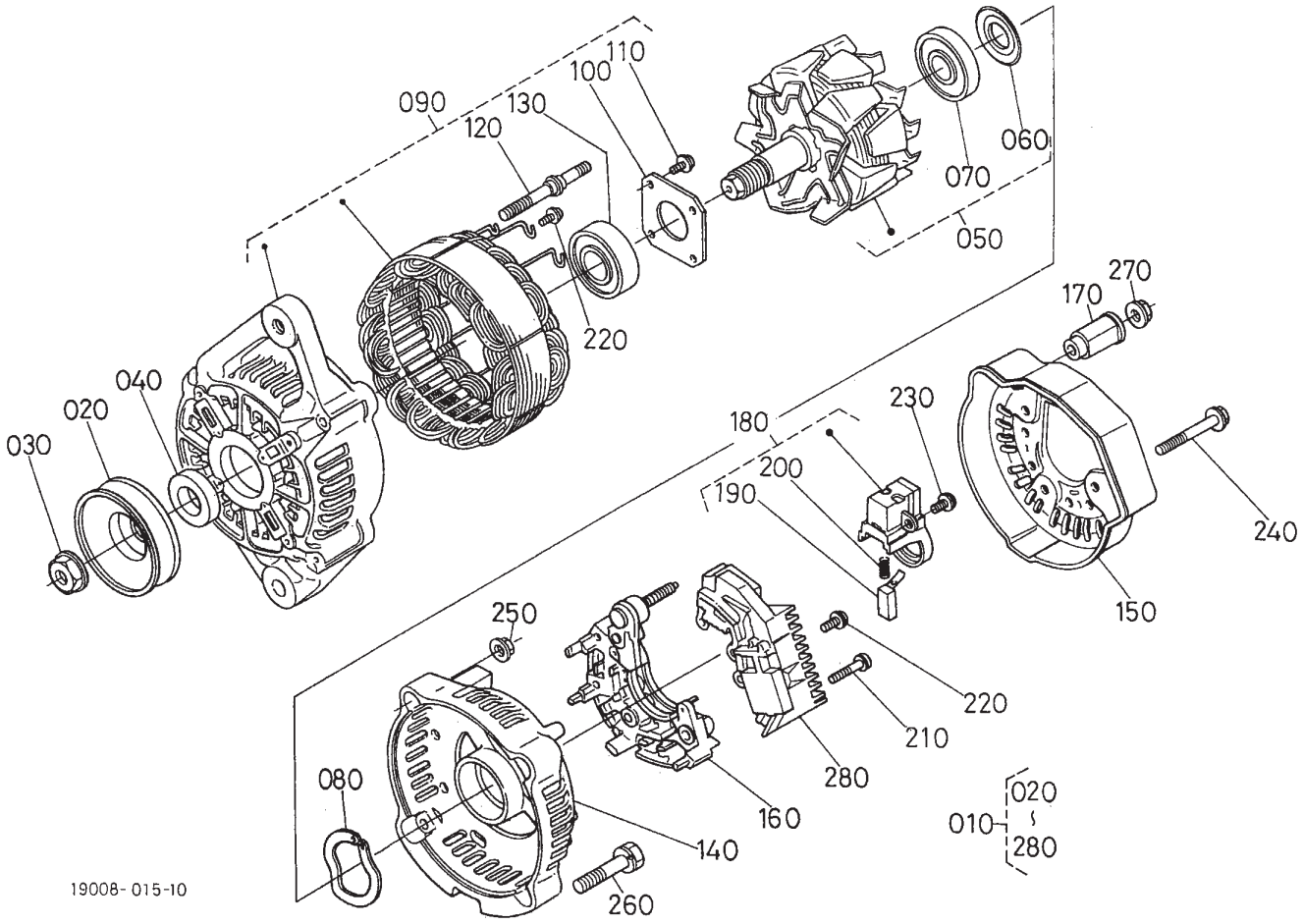
1G646–005–20

Sheet No.:69

Alternator and Pulley Assembly

Ref. No.	Part No.	Qty.	Description
010	98–9474	1	Alternator ASM
020	98–9573	1	Stay–Dynamo
030	98–7697	1	Bolt
040	98–9360	1	Bolt
050	33095–00	1	Washer–Flat
060	98–7738	1	Washer–Spring
070	100–9233	1	Washer–Plain
080	98–7692	1	Bolt
090	105–3744	1	Cover–Belt
100	98–9584	1	Pulley–Fan
110	105–3745	1	Pulley–Drive, Fan
120	98–9585	1	Bolt
130	98–9676	1	V–Belt

Ref. No.	Part No.	Qty.	Description

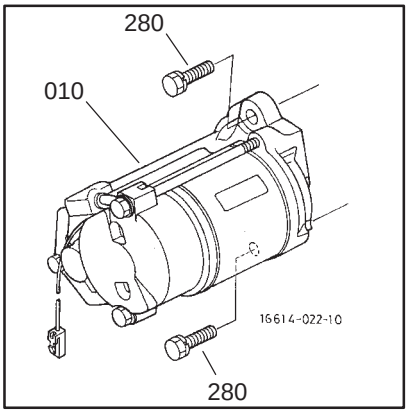


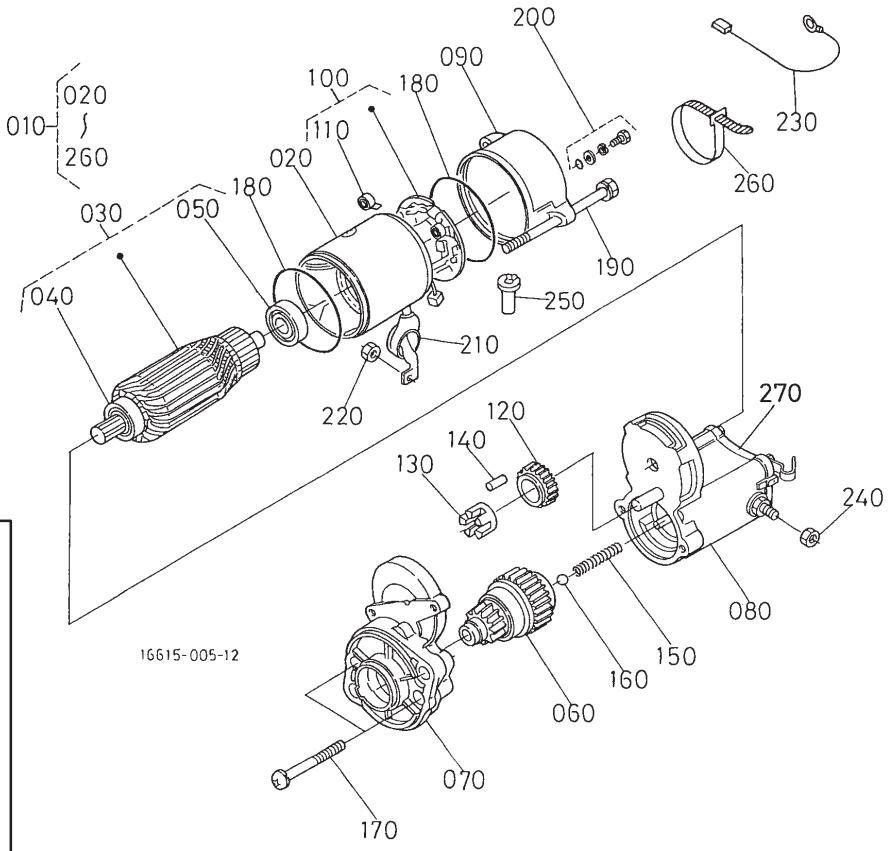
Sheet No.:70

Alternator Component Assembly

Ref. No.	Part No.	Qty.	Description
010	98–9474	1	Alternator ASM
020	98–9453	1	Pulley–Dynamo
030	98–7708	1	Nut
040	98–7709	1	Collar
050	98–7710	1	Rotor
060	98–7711	1	Cover–Bearing
070	98–7712	1	Bearing–Ball
080	98–7713	1	Washer–Thrust
090	98–7714	1	Frame–End, Drive
100	98–7715	1	Plate–Retainer
110	98–7716	4	Screw–Head, Round
120	98–7717	2	Bolt–Through
130	98–7718	1	Bearing–Ball
140	98–7719	1	Frame–End
150	98–7720	1	Cover–End
160	98–7721	1	Rectifier ASM
170	98–7722	1	Bushing–Insulation
180	98–7723	1	Holder–Brush
190	98–7724	2	Brush
200	98–7725	2	Spring–Brush
210	98–7726	2	Screw–Head, Round
220	98–7727	6	Screw–Head, Round
230	98–7728	1	Screw–Head, Round
240	98–7729	3	Bolt
250	98–7730	2	Nut
260	98–7731	2	Bolt

Ref. No.	Part No.	Qty.	Description
270	98–7732	1	Nut
280	98–7733	1	Regulator ASM



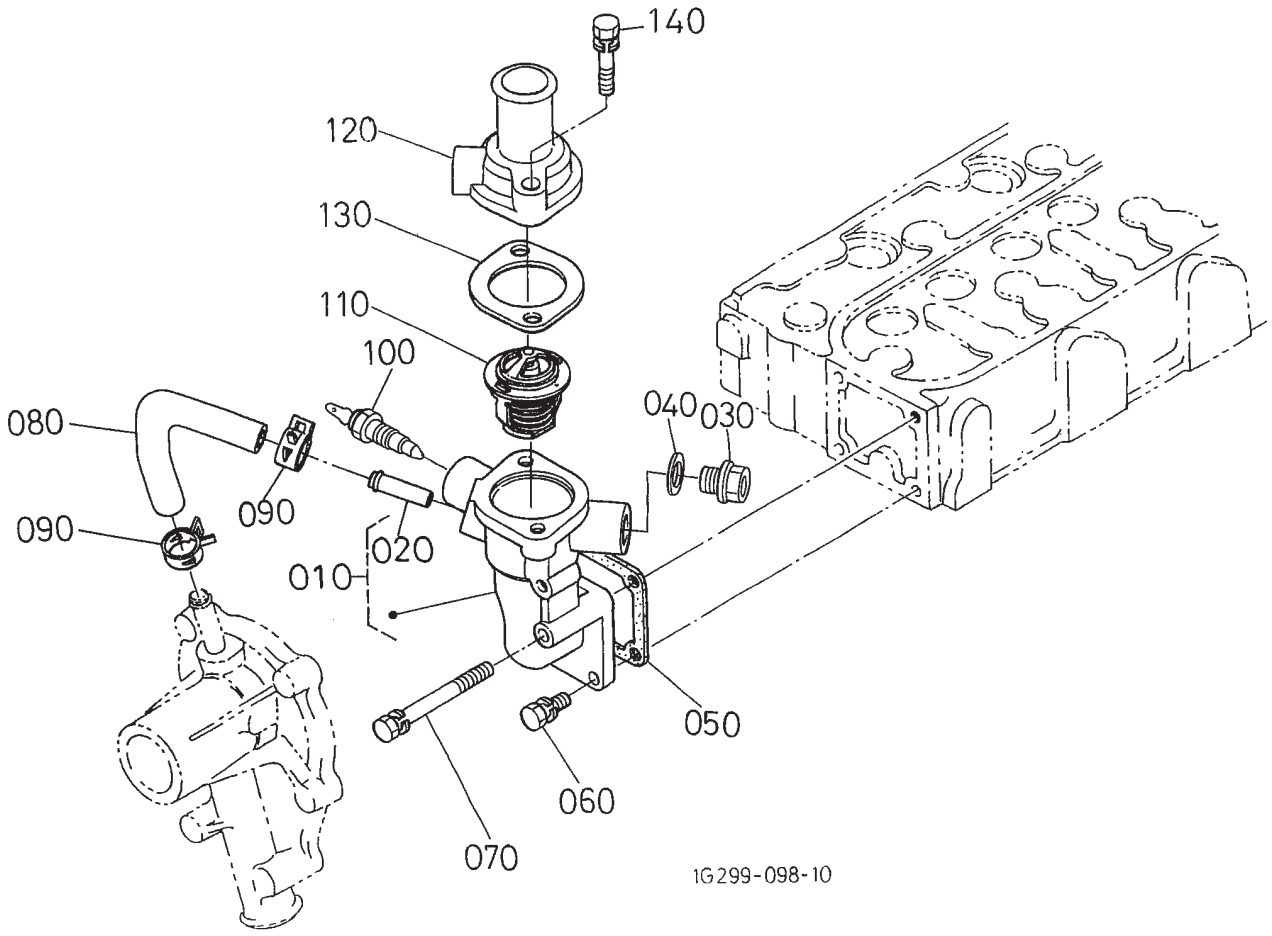


Sheet No.:71

Starter Assembly

Ref. No.	Part No.	Qty.	Description
010	98–9705	1	Starter ASM
020	104–8608	1	Yoke ASM
030	98–7742	1	Armature ASM
040	98–7744	1	Bearing
050	98–7743	1	Bearing
060	99–8373	1	Clutch–Running, Over
070	99–8374	1	Frame–End, Drive
080	105–3746	1	Magnetic Switch ASM
090	98–7748	1	Frame–End
100	98–7749	1	Brush Holder ASM
110	98–7750	4	Spring–Brush
120	98–7751	1	Gear
130	98–7752	1	Retainer
140	98–7753	5	Roller
150	98–7754	1	Spring
160	98–7755	1	Ball
170	98–7756	2	Bolt
180	98–7757	2	O–Ring
190	100–9240	2	Bolt
200	98–7758	2	Bolt ASM
210	99–8375	1	Cover
220	99–8371	1	Nut–Hex
230	98–9711	1	Cord–Solenoid, Stop
240	99–8376	1	Nut–Hex
250	98–7759	1	Pipe–Drain
260	98–9712	1	Band–Cover

Ref. No.	Part No.	Qty.	Description
270	105–2886	1	Cover ASM
280	98–7697	2	Bolt

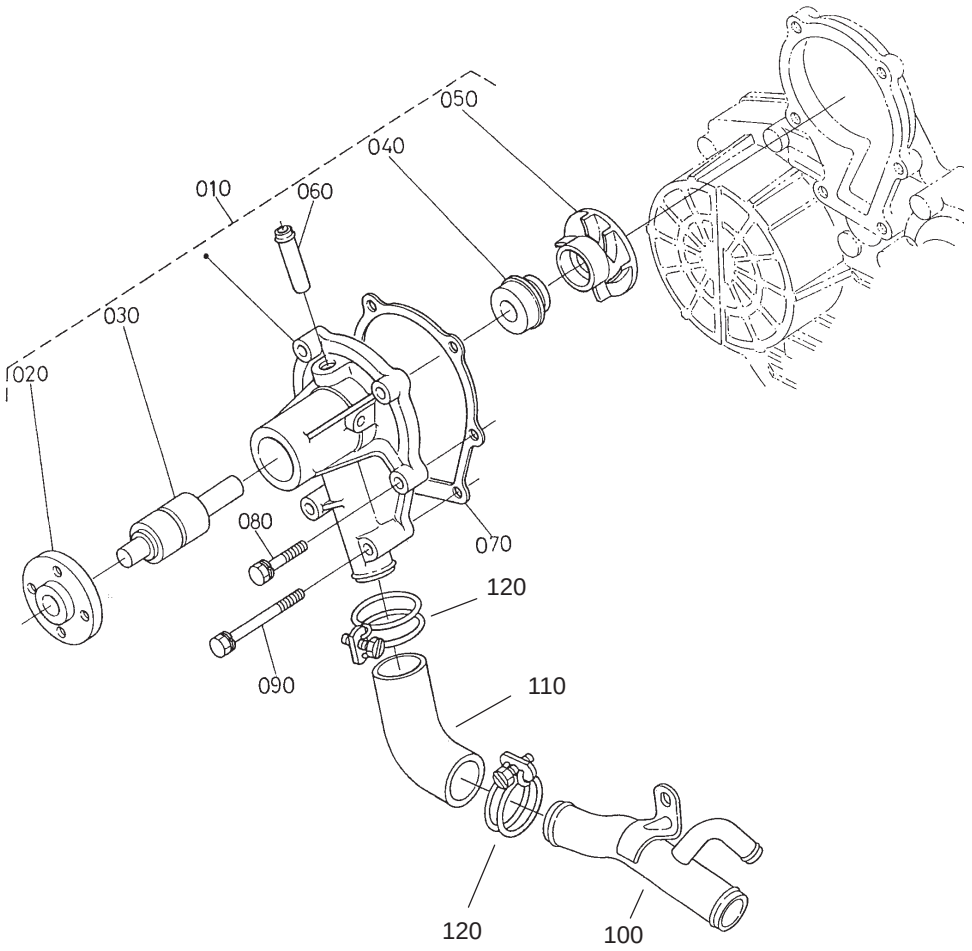


Sheet No.:72

Water Flange and Thermostat Assembly

Ref. No.	Part No.	Qty.	Description
010	98–9713	1	Water Flange ASM
020	98–9580	1	Pipe–Return, Water
030	105–3747	1	Plug
040	99–3583	1	Packing
050	98–9638	1	Gasket–Flange, Water
060	98–7692	3	Bolt
070	98–9356	1	Bolt
080	98–9578	1	Pipe–Return, Water
090	98–9579	2	Band–Pipe
100	98–9719	1	Thermoswitch
110	98–7778	1	Thermostat ASM
120	98–9471	1	Cover–Thermostat
130	105–3748	1	Gasket–Thermostat
140	98–7777	2	Bolt

Ref. No.	Part No.	Qty.	Description

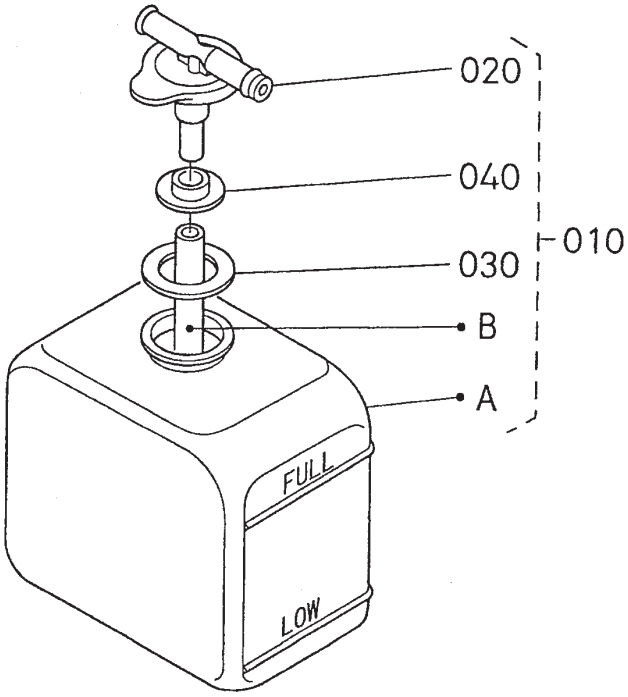


Sheet No.:73

Water Pump Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3749	1	Water Pump ASM
020	99–3516	1	Flange–Pump, Water
030	99–3517	1	Bearing–Pump, Water
040	105–3750	1	Mechanical Seal ASM
050	99–3519	1	Impeller–Pump, Water
060	105–3751	1	Pipe–Return, Water
070	99–3454	1	Gasket–Pump, Water
080	98–9353	4	Bolt
090	98–9357	2	Bolt
100	105–3752	1	Pipe–Water
110	98–9574	1	Pipe–Water
120	98–9717	2	Clamp

Ref. No.	Part No.	Qty.	Description

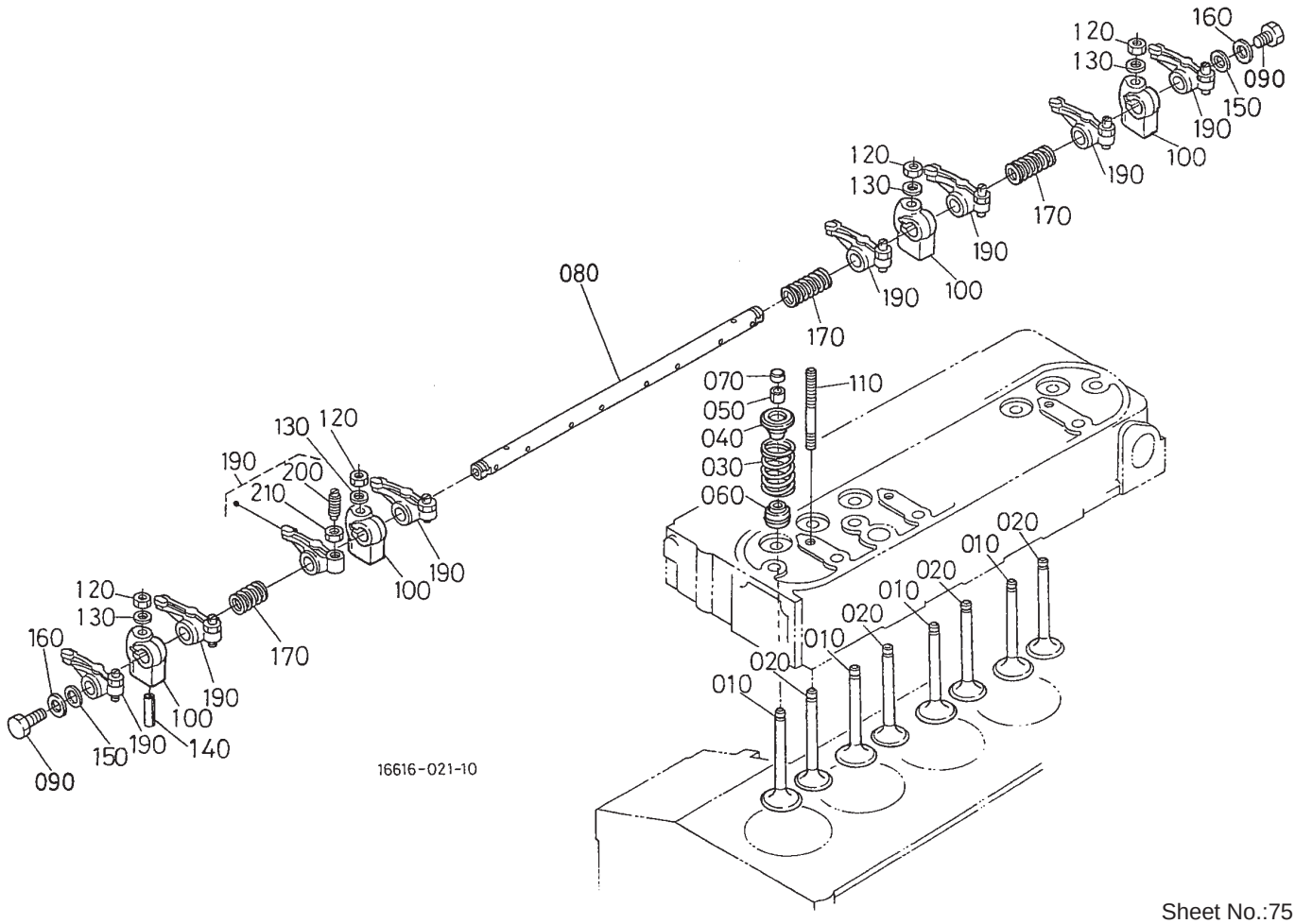


Sheet No.:74

Reserve Tank Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3753	1	Reserve Tank ASM
020	105–3754	1	Cap
030	105–3755	1	Gasket
040	105–3756	1	Plate

Ref. No.	Part No.	Qty.	Description

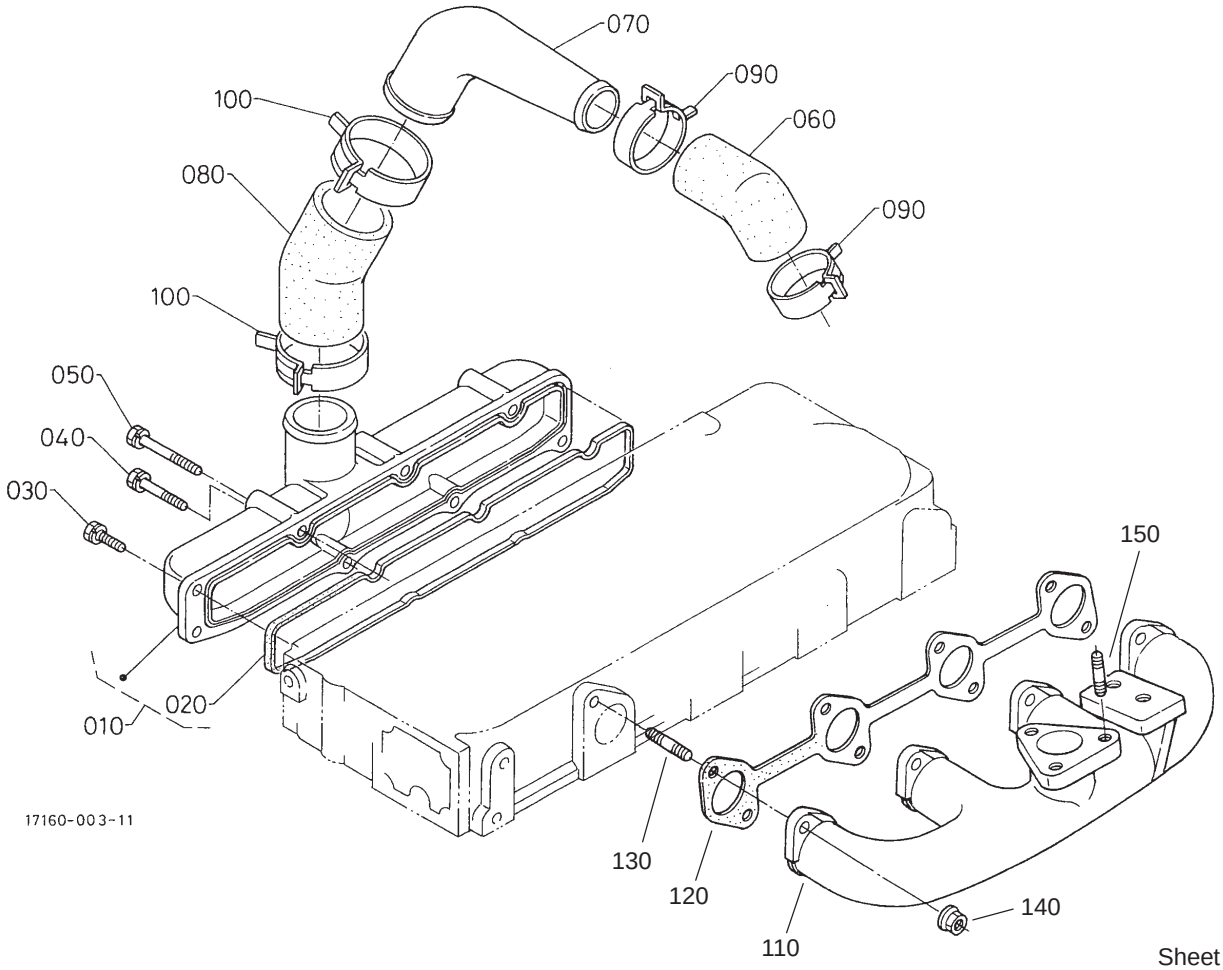


Sheet No.:75

Valve and Rocker Arm Assembly

Ref. No.	Part No.	Qty.	Description
010	98–9494	4	Valve–Inlet
020	98–9625	4	Valve–Exhaust
030	98–9626	8	Spring–Valve
040	98–9498	8	Retainer–Valve
050	98–9390	8	Collet–Set, Valve Spring
060	99–8385	8	Seat–Stem, Valve
070	98–9497	8	Cap–Valve
080	105–3757	1	Shaft–Arm, Rocker
090	100–9265	2	Bolt
100	98–9505	4	Bracket–Arm, Rocker
110	98–9506	4	Stud
120	98–9393	4	Nut
130	98–9385	4	Washer – Flat
140	105–3758	2	Pin–Spring
150	98–9507	2	Washer–Shaft, R–Arm
160	3256–1	2	Washer–Flat
170	98–9504	3	Spring–Arm, Rocker
190	98–9501	8	Rocker Arm ASM
200	98–9502	8	Rocker Arm ASM
210	98–9503	8	Screw–Adjusting

Ref. No.	Part No.	Qty.	Description

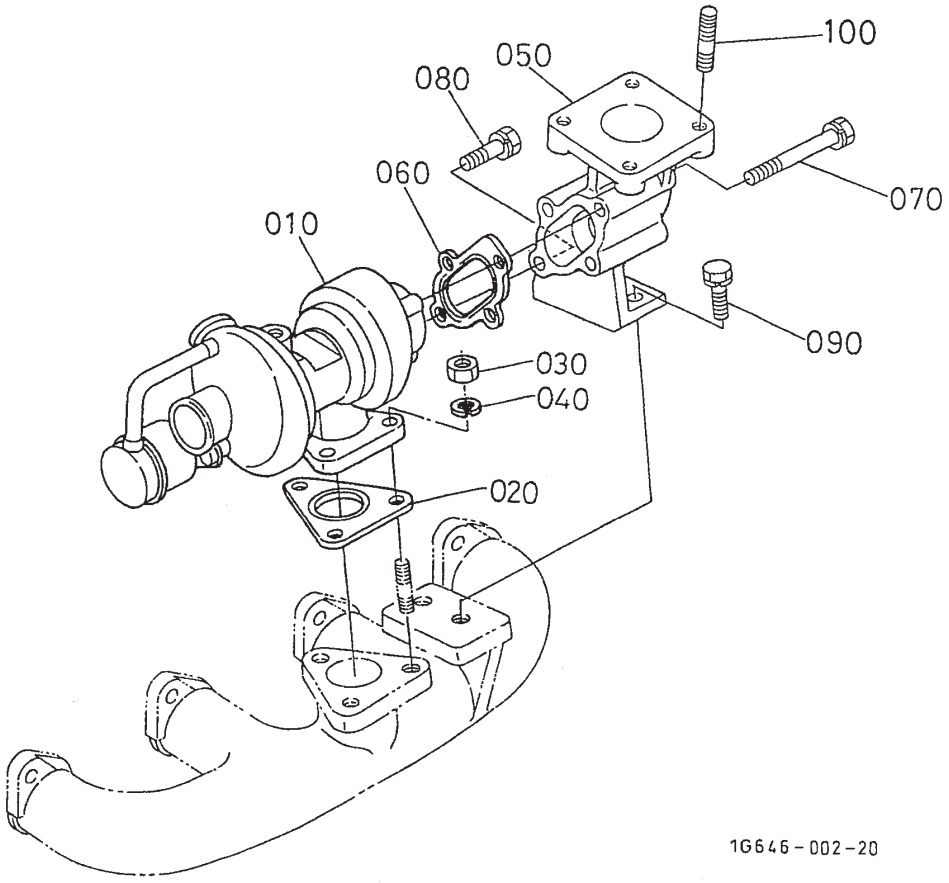


Sheet No.:76

Inlet/Exhaust Manifold Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3759	1	Inlet Manifold ASM
020	105–3760	1	Gasket–In–Manifold
030	98–7605	3	Bolt
040	98–9353	2	Bolt
050	105–3797	3	Bolt
060	105–3761	1	Pipe–Inlet
070	105–3762	1	Pipe–Inlet
080	105–3763	1	Pipe–Inlet
090	99–8324	2	Band–Pipe
100	99–8322	2	Band–Pipe
110	105–3764	1	Manifold–Exhaust
120	105–3765	1	Gasket–Ex–Manifold
130	98–9588	8	Stud
140	98–9665	8	Nut
150	99–8342	3	Stud

Ref. No.	Part No.	Qty.	Description

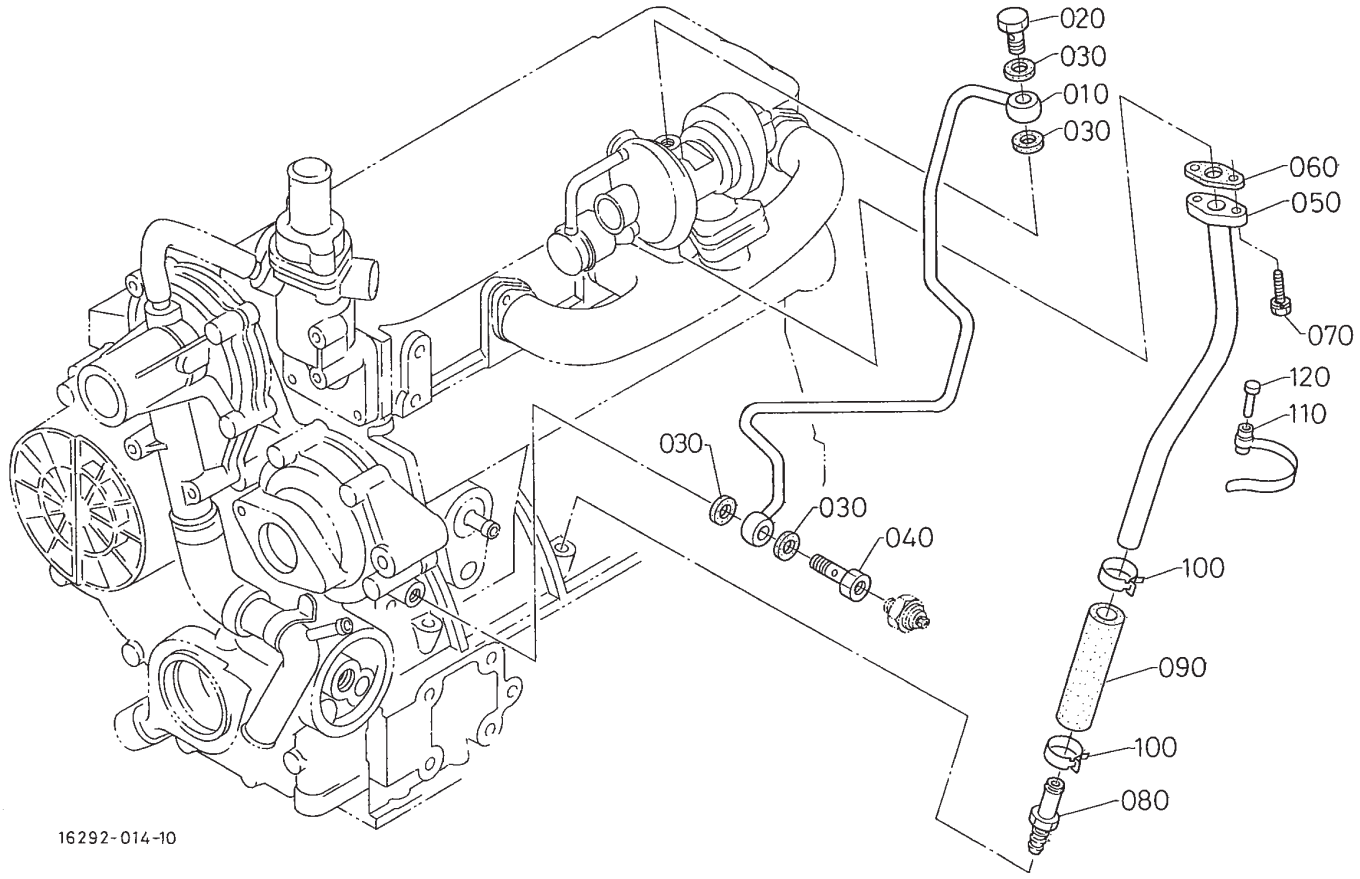


Sheet No.:77

Turbo Charger Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3766	1	Turbo Charger ASM
020	105–3767	1	Gasket
030	100–1559	3	Nut–Manifold, Exhaust
040	105–2893	3	Washer–Spring
050	99–8335	1	Flange–Muffler
060	105–3768	1	Gasket
070	105–2894	3	Bolt
080	105–2895	1	Bolt
090	98–7610	2	Bolt
100	98–7769	4	Stud

Ref. No.	Part No.	Qty.	Description

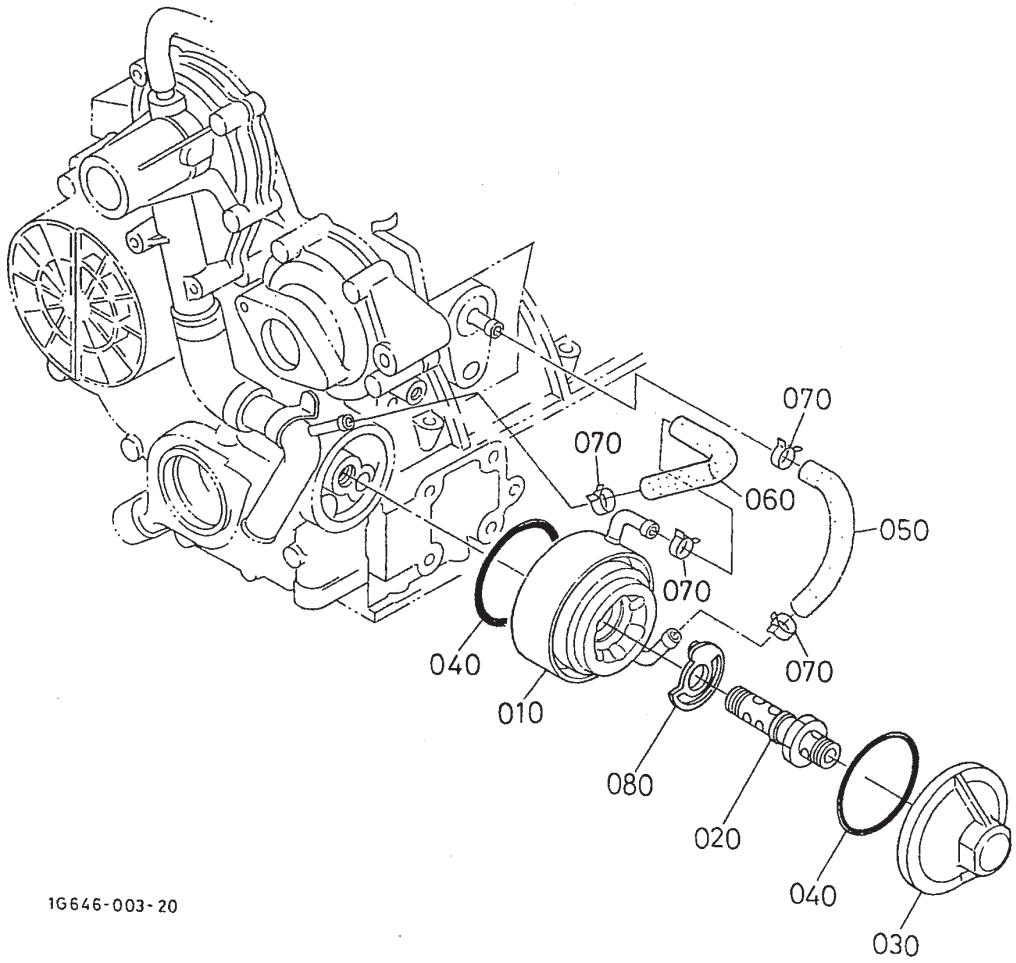


Sheet No.:78

Oil Pipe (Turbo Charger) Assembly

Ref. No.	Part No.	Qty.	Description
010	105–3769	1	Pipe–Oil, Complete
020	98–9418	1	Bolt–Joint, Eye
030	99–8346	4	Gasket
040	98–9417	1	Bolt–Joint, Eye
050	105–3770	1	Pipe–Oil,Complete
060	98–9435	1	Gasket–Oil Return, Turbo
070	98–7568	2	Bolt
080	105–3771	1	Pipe–Oil, Complete
090	98–9721	1	Pipe–Oil
100	98–9714	2	Clamp–Hose
110	98–9601	1	Clamp–Pipe
120	98–9591	1	Pin–Band

Ref. No.	Part No.	Qty.	Description

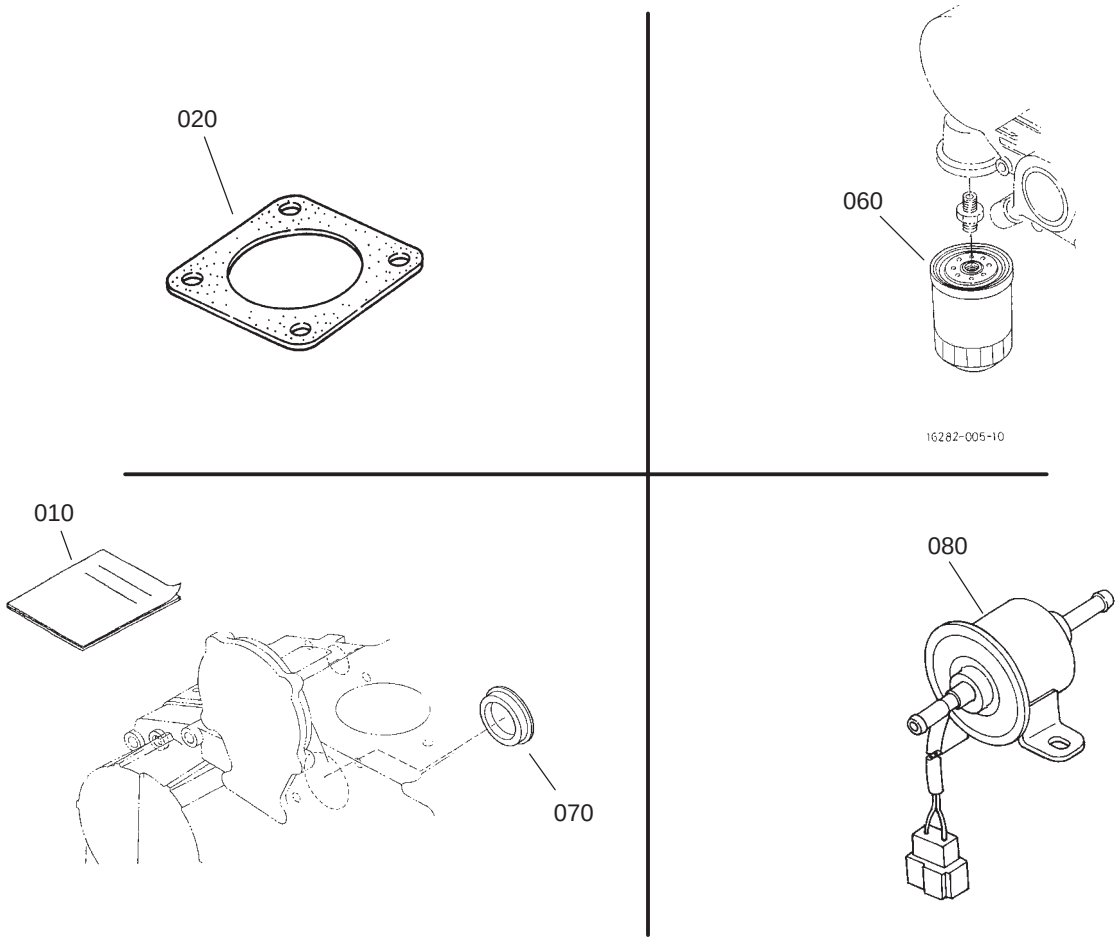


Sheet No.:79

Oil Cooler Assembly

Ref. No.	Part No.	Qty.	Description
010	98–9728	1	Oil Cooler ASM
020	105–3772	1	Holder ASM
030	105–3773	1	Cover–Cooler, Oil
040	98–9729	2	O–Ring
050	98–9724	1	Pipe–Cooler, Oil
060	98–9578	1	Pipe–Return, Water
070	98–9579	4	Band–Pipe
080	105–3774	1	Collar

Ref. No.	Part No.	Qty.	Description

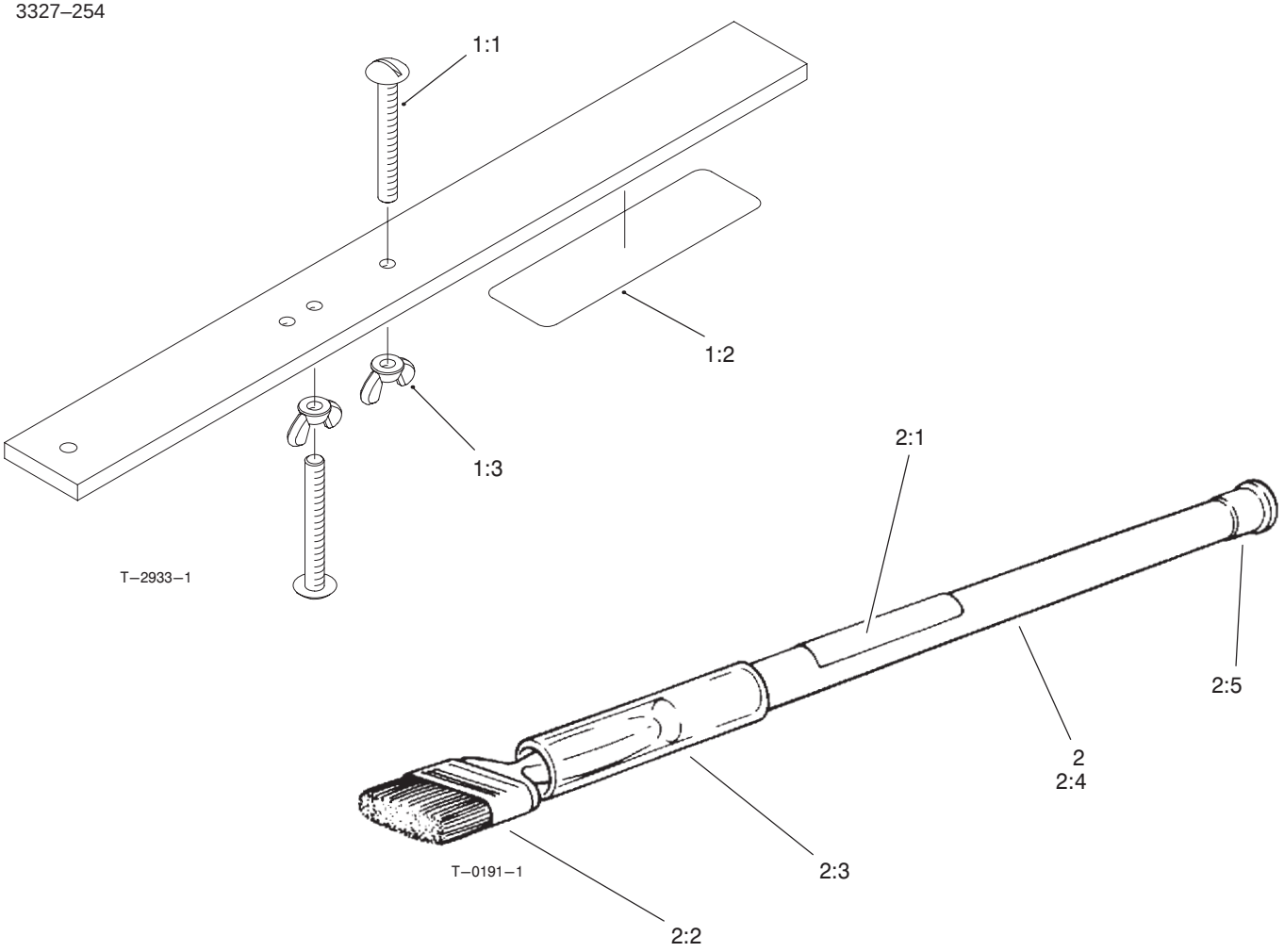


Sheet No.:80

Miscellaneous Parts

Ref. No.	Part No.	Qty.	Description
010	99–8954	1	Manual–Operator, Kubota
020	99–8343	1	Gasket–Muffler
060	99–8384	1	Filter–Oil
070	98–9640	1	Cover–Pump
080	104–5215	1	Pump–Fuel, Electric

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								


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