Form No. 3350-159

Reelmaster® 6700-D

4 Wheel Drive Traction Unit

Model No. 03808—230000301 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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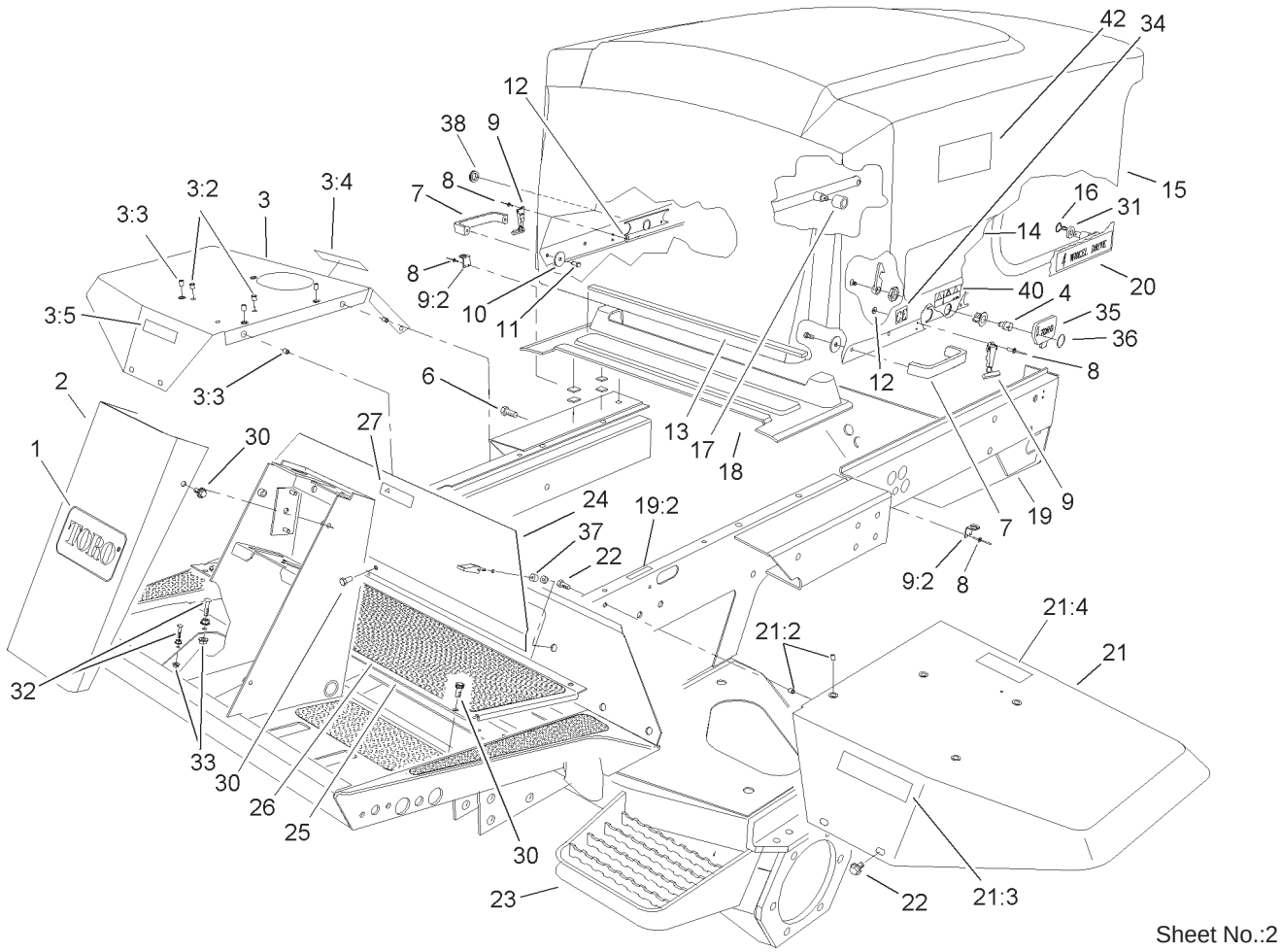
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Part Description Abbreviations

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

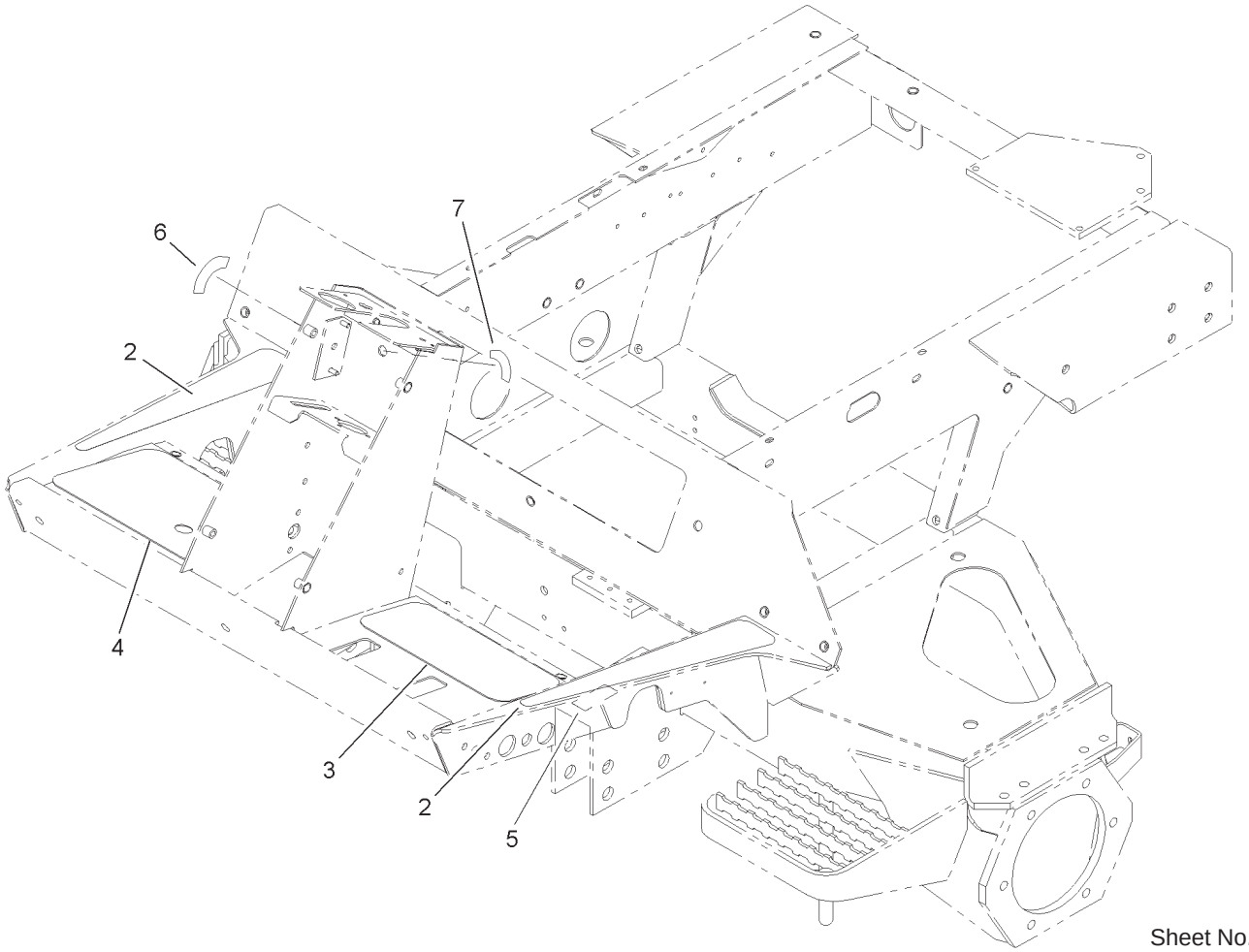


Sheet No.:2

Frame and Body Assembly

Ref. No.	Part No.	Qty.	Description
1	62-5550	1	Decal
2	93-7996-01	1	Cover-Tower
3	106-5950	1	RH Fender ASM
3:2	32148-6	2	Insert-Nut
3:3	32148-7	5	Insert-Nut
3:4	93-6686	1	Decal-Oil, HYD
3:5	93-6689	1	Decal-No Riders
4	105-3301	1	Latch (With Hardware)
6	3234-38	10	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	106-7065	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
21	106-5951	1	LH Fender ASM

Ref. No.	Part No.	Qty.	Description
21:2	32148-7	6	Insert-Nut
21:3	93-6680	1	Decal-Diesel
21:4	93-6689	1	Decal-No Riders
22	3234-14	10	Screw-HHF
23	106-9241	1	Front Frame ASM
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
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
35	99-8970	1	Key-Latch, Hood
36	98-9321	1	Ring-Key
37	74-5950	2	Latch-Swell
38	104-1453	1	Grommet
40	106-6754	1	Decal-Danger
42	66-6140	2	Decal

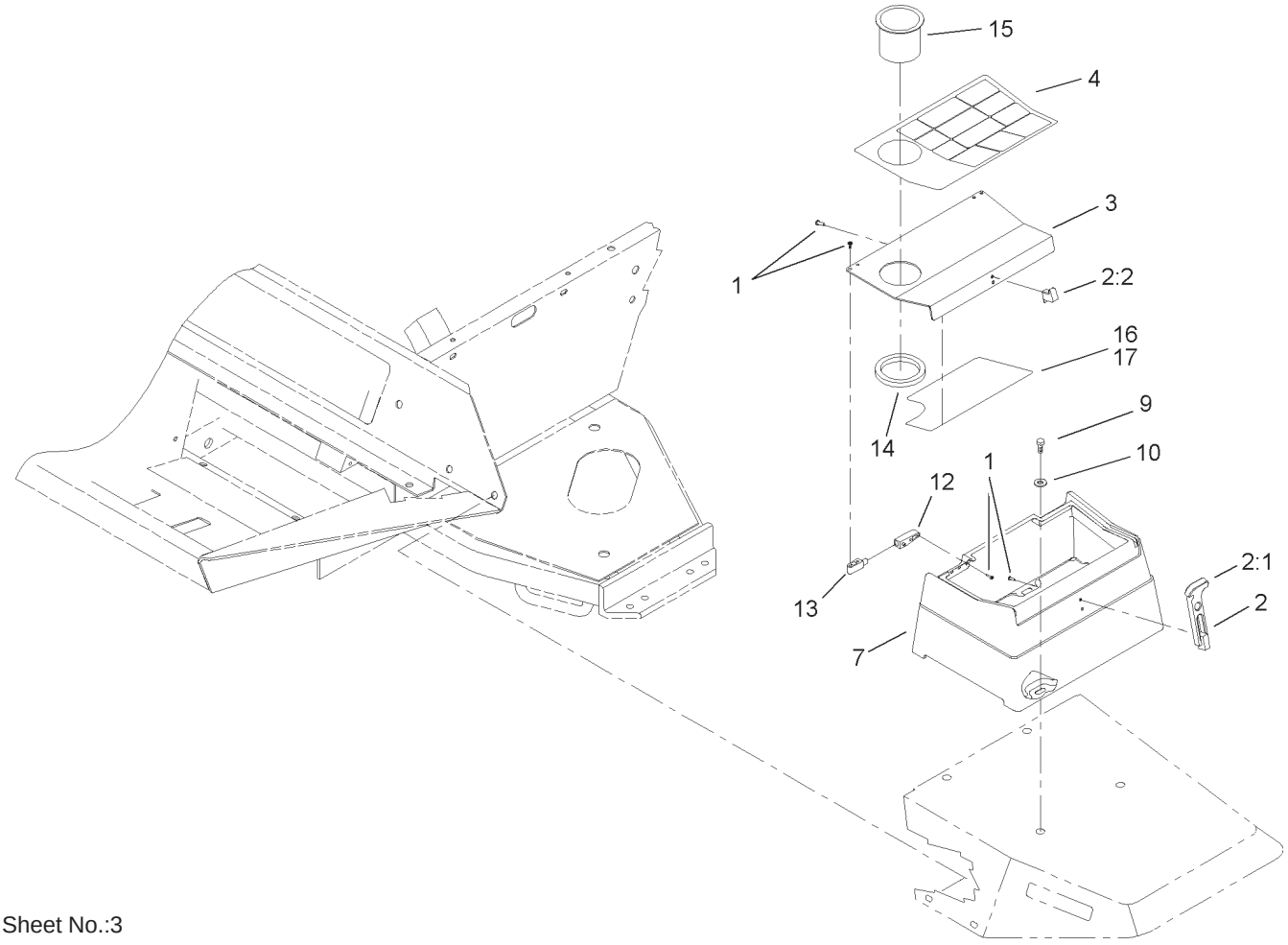


Sheet No.:A1

Front Frame Assembly No. 106-9241

Ref. No.	Part No.	Qty.	Description
2	93-7592	2	Tread-Rest, Foot
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-Switch, Key

Ref. No.	Part No.	Qty.	Description

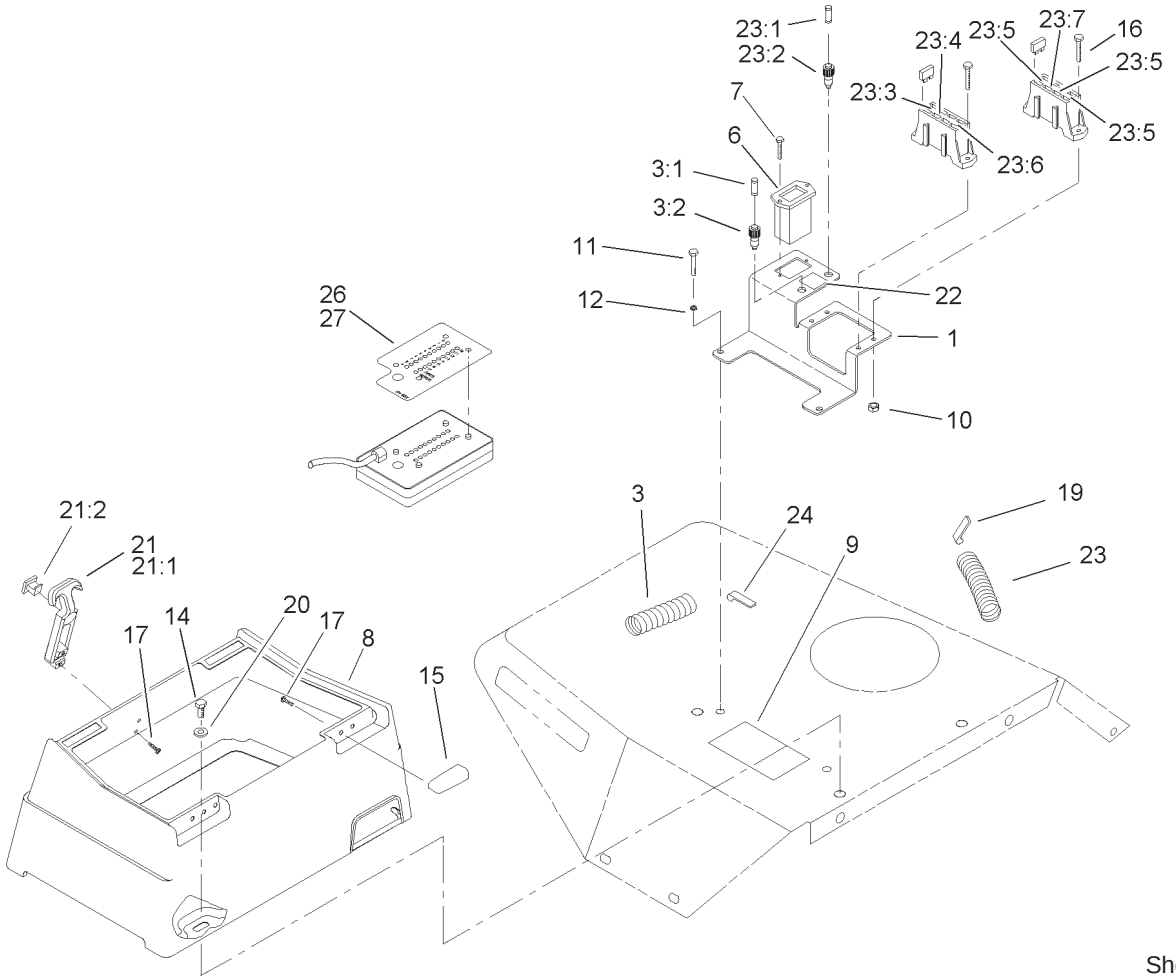


Sheet No.:3

Tool Box Assembly

Ref. No.	Part No.	Qty.	Description
1	32144-1	12	Screw-T aptite
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-T oolbox
4	104-9294	1	Decal-W arning
4	104-9295	1	Decal-W arning, Ce
7	104-0026	1	Toolbox
9	322-4	4	Screw-HH
10	3256-3	4	Washer-Flat
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-Reference, Quick
17	95-0832	1	Decal-Service

Ref. No.	Part No.	Qty.	Description

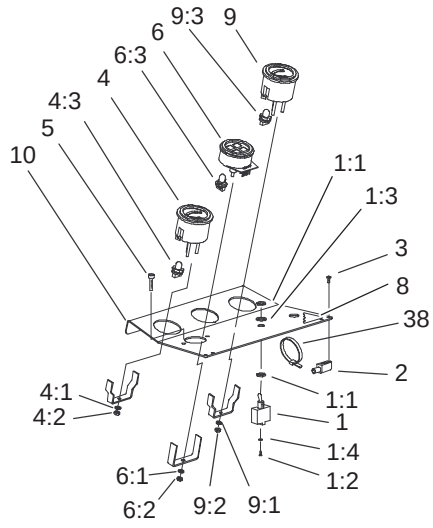


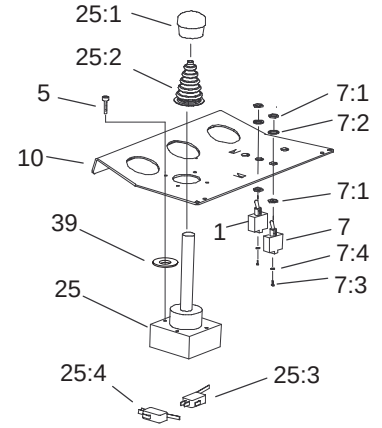
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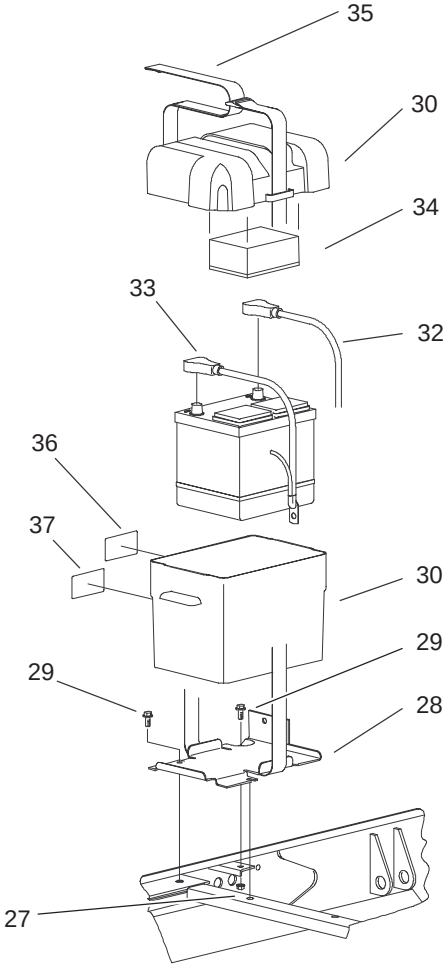
Control Console Assembly

Ref. No.	Part No.	Qty.	Description
1	105-0137-03	1	Bracket-Block, Fuse
3	105-3353	1	Harness-Wire
3:1	85-4491	1	Light-Indicator (Includes Lamp)
3:2	219-19	1	Lamp-Green
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-T aptite
19	94-6343	1	Decal-Identification, Wire
20	3256-3	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	105-01 19	1	Harness-Wire, Console
23:1	219-19	1	Lamp-Green

Ref. No.	Part No.	Qty.	Description
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
23:5	218-578	3	Fuse-10 Amp
23:6	109355	1	Fuse-15 Amp
23:7	109101	1	Fuse-20 Amp
24	94-6344	1	Decal-Wire
26	105-9267	1	Decal-Diagnostic, Control
27	104-5221	1	Decal-Diagnostic, Control





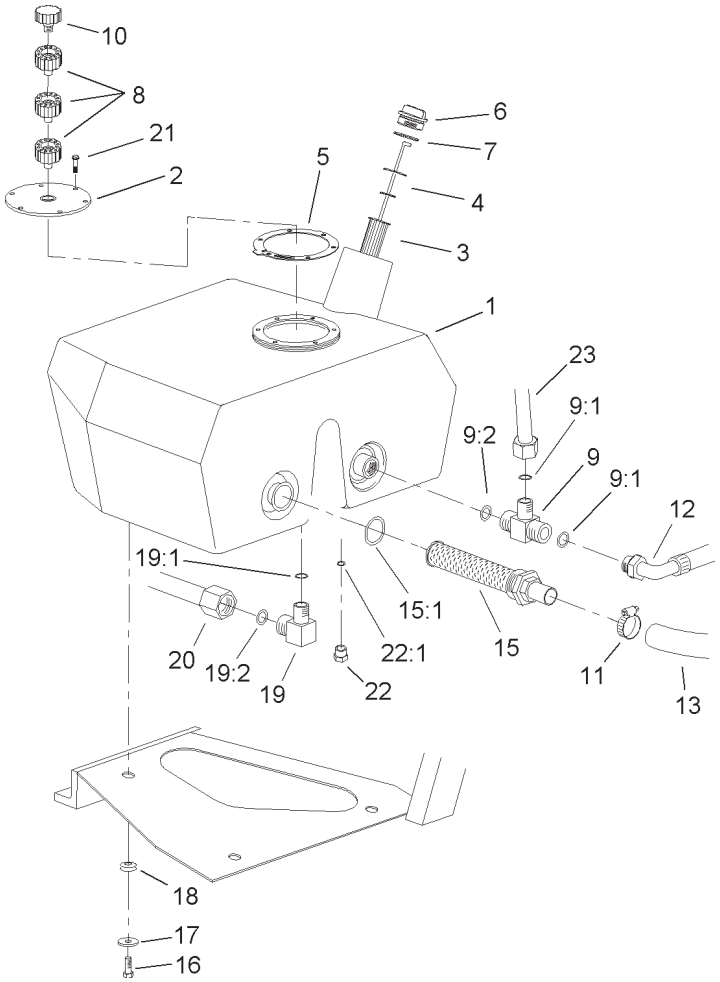


Sheet No.:5

Control Console and Battery Assembly

Ref. No.	Part No.	Qty.	Description
1	99-8352	1	Switch-Backlap, Master
1:1	218-498	2	Locknut
1:2	218-588	3	Screw
1:3	218-589	1	Nut/Lockwasher
1:4	3253-19	3	Washer-Lock
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, Int
4:2	3217-27	3	Nut-Hex
4:3	105-9265	1	Bulb And Lamp ASM
5	60-6500	4	Screw-HH
6	98-9306	1	Light-Warning
6:1	3254-1	1	Washer-Lock, Int
6:2	3217-27	1	Nut-Hex
6:3	105-9264	4	Bulb And Lamp ASM
7	75-1010	2	Switch-Reels
7:1	218-498	2	Locknut
7:2	218-589	1	Nut/Lockwasher
7:3	218-588	2	Screw
7:4	3253-19	2	Washer-Lock
8	105-0123	1	Decal-Console
9	98-9308	1	Gauge-Temperature
9:1	3254-1	3	Washer-Lock, Int
9:2	3217-27	3	Nut-Hex

Ref. No.	Part No.	Qty.	Description
9:3	105-9265	1	Bulb And Lamp ASM
10	104-1498-03	1	Panel-Control
25	93-9196	1	Joystick-6 Position
25:1	3290-489	1	Knob
25:2	94-2600	2	Boot-Joystick
25:3	94-2601	4	Microswitch
25:4	94-2602	2	Actuator-Joystick
27	3296-29	1	Nut-Lock, NI
28	93-7974-03	1	Plate-Box, Battery
29	3234-5	3	Screw
30	93-7595	1	Battery Box ASM
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	4	Washer-Flat



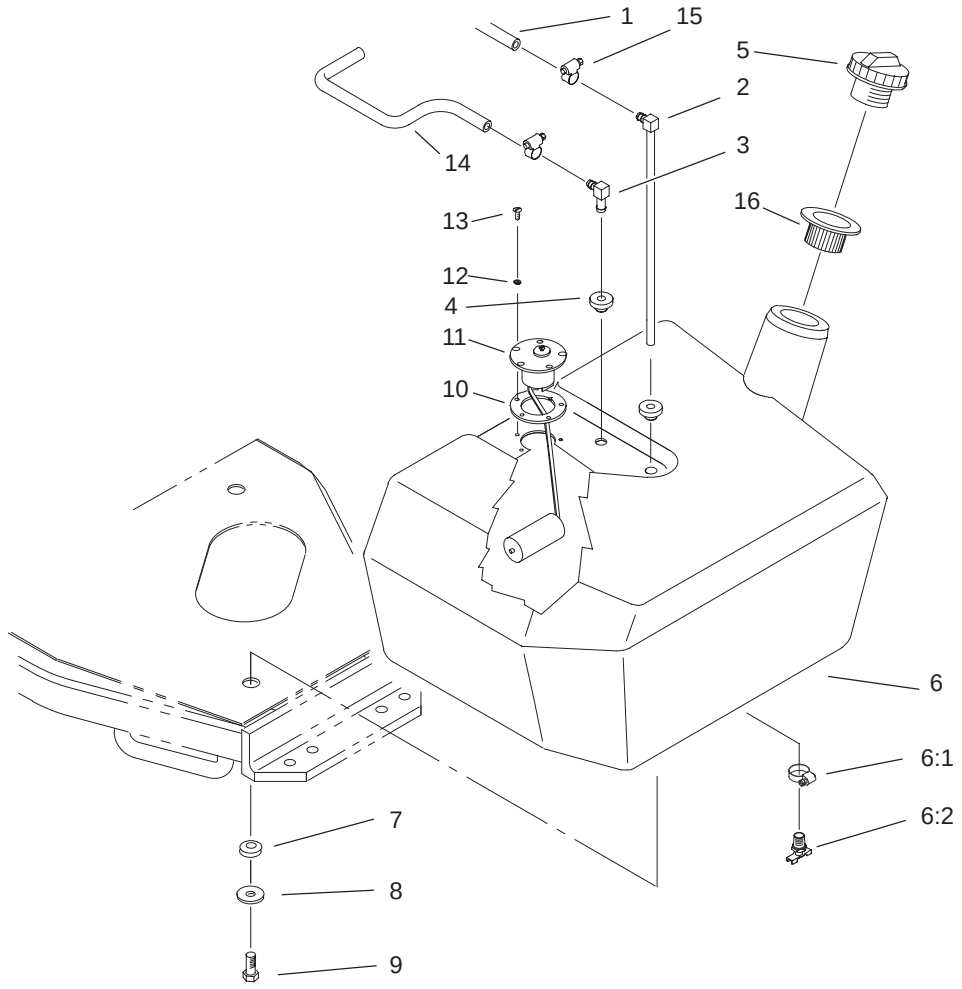
Sheet No.:6

Hydraulic Filter and Reservoir 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
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	Bushing-Flange
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
21	33104-020	6	Screw-HHF

Ref. No.	Part No.	Qty.	Description
22	353-508	1	Plug
22:1	237-42	1	O-Ring
23	104-3748	1	HYD Tank Tube ASM
*23:1	340-65	1	O-Ring

* Not illustrated

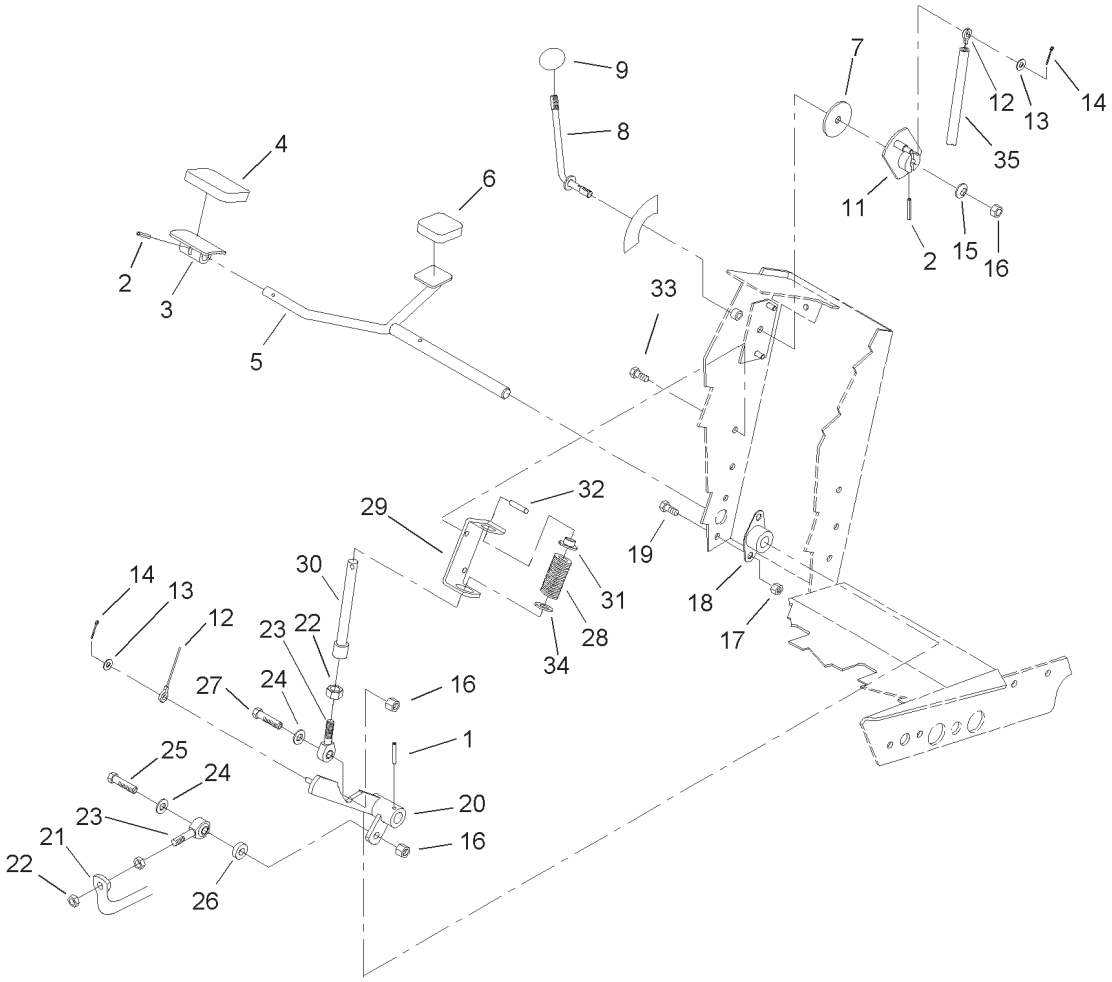


Sheet No.:7

Fuel Tank 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	Bushing-Flange
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-W orm
16	61-2790	1	Filter-Screen

Ref. No.	Part No.	Qty.	Description

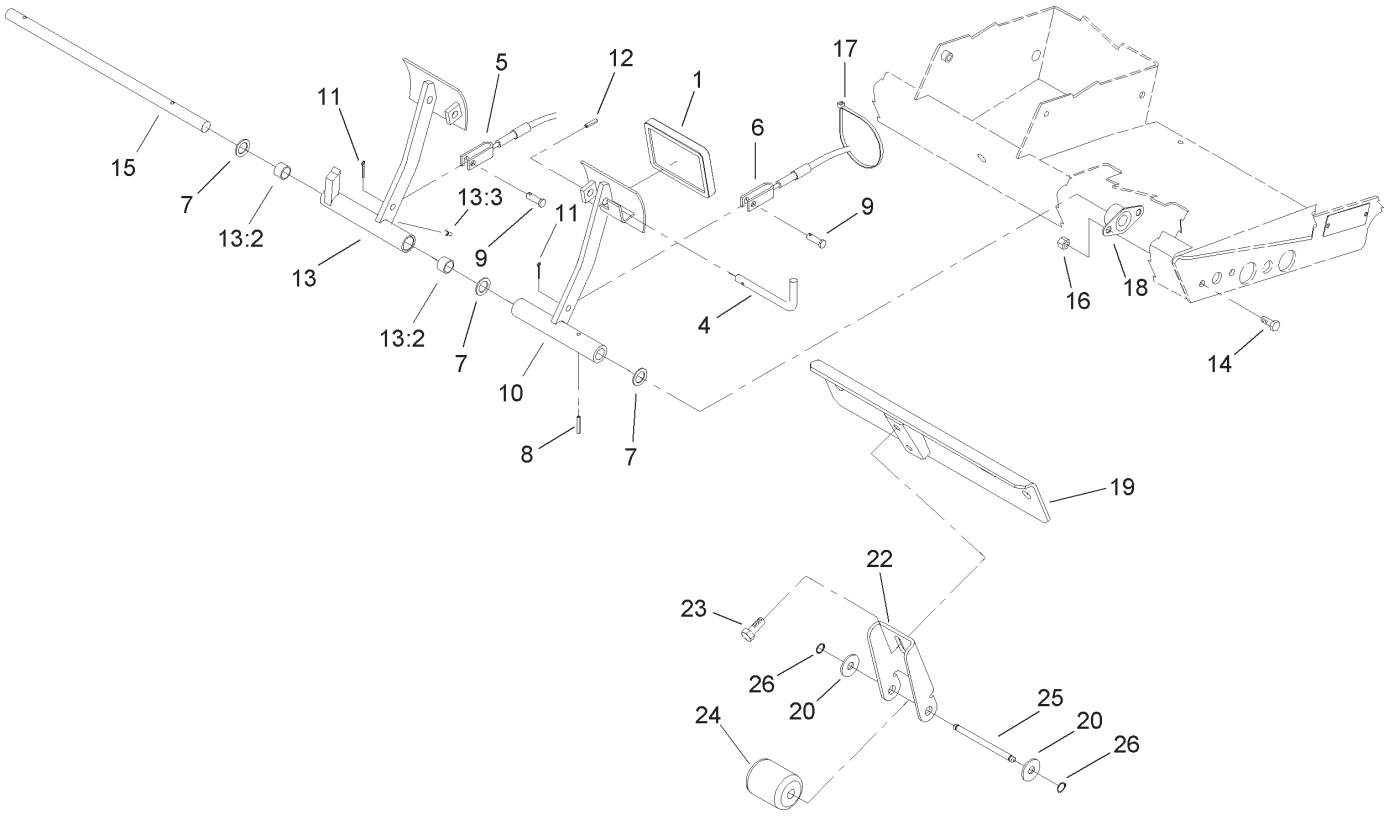


Sheet No.:8

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-T raction
6	74-91 10	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-Control, Pump
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	32121-1 1	1	Pin-Roll
33	32144-14	2	Screw-HWH
34	3256-5	1	Washer-Flat
35	95-7151	1	Tube-Convoluted

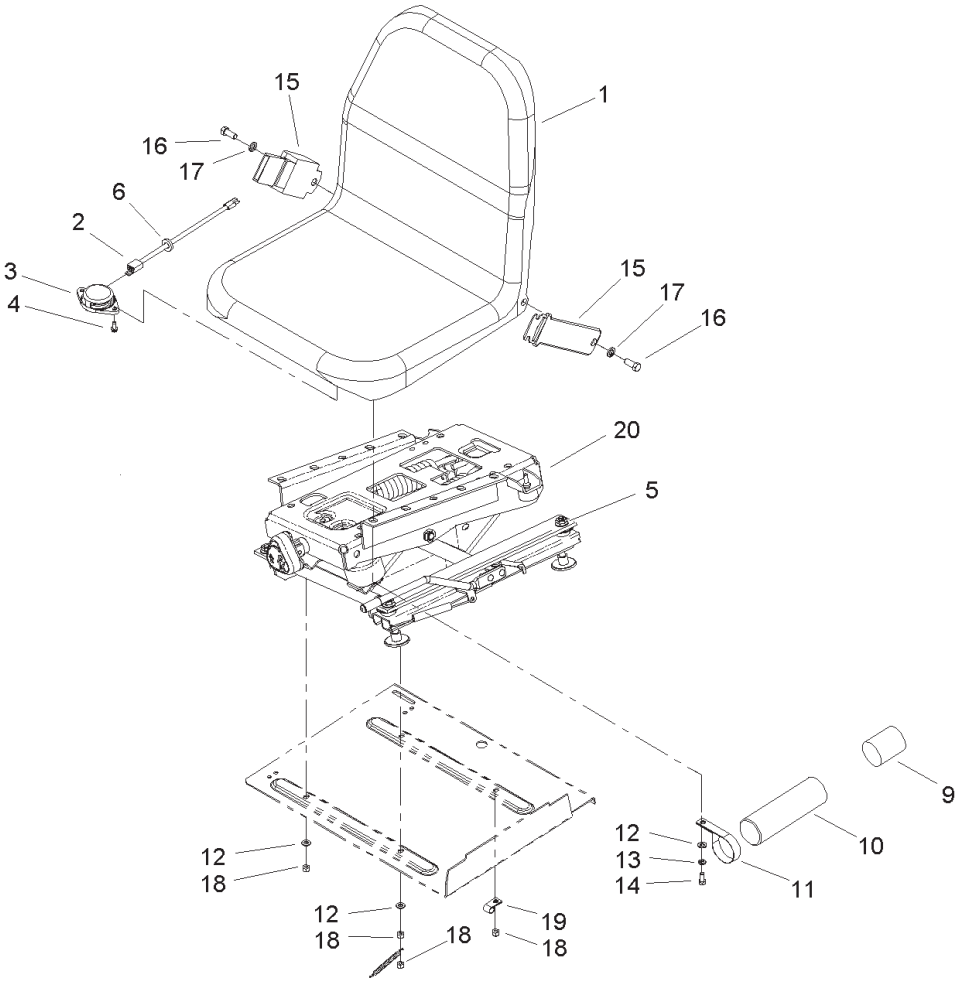


Sheet No.:9

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
22	100-3868-03	1	Bracket-T ipper
23	3234-1	2	Screw-HHF
24	75-5390	1	Roller
25	75-5400	1	Pin-Roller
26	32151-61	2	Ring-Retaining

Ref. No.	Part No.	Qty.	Description

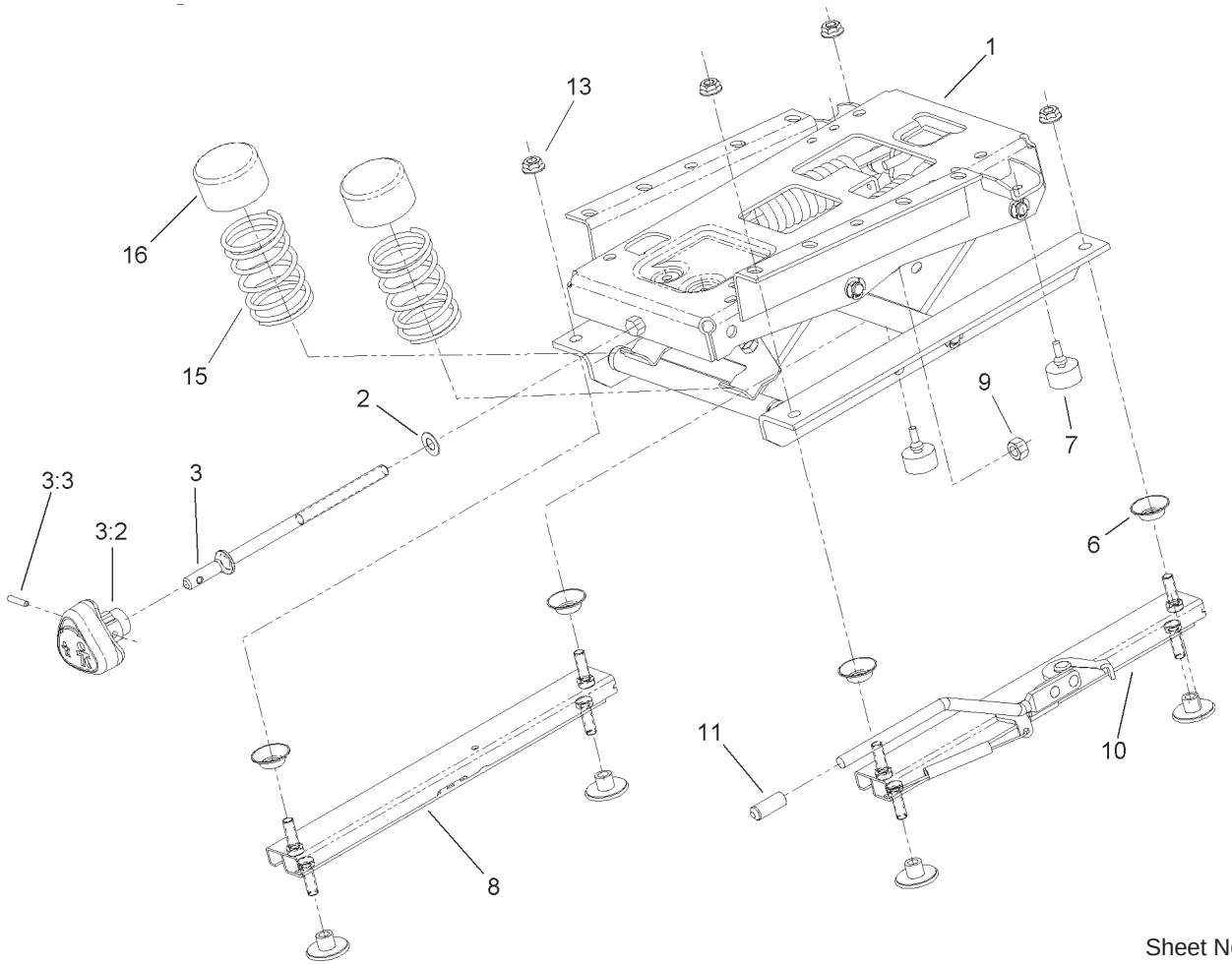


Sheet No.:10

Seat and Suspension Assembly

Ref. No.	Part No.	Qty.	Description
1	104-4620	1	Seat-Olympic, Toro
2	106-7090	1	Harness-Wire, Seat Switch
3	92-6282	1	Switch-Seat
4	32144-10	2	Screw-HWH
5	32128-25	4	Nut-Flange
6	93-0140	1	Grommet
9	104-7048	1	Cap-Housing
10	104-7050	1	Housing-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
16	3212-4	2	Screw-HH
17	3253-6	2	Washer-Lock
18	3296-29	5	Nut-Lock, NI
19	2412-93	1	Clamp-R
20	76-1970	1	Seat Suspension ASM

Ref. No.	Part No.	Qty.	Description

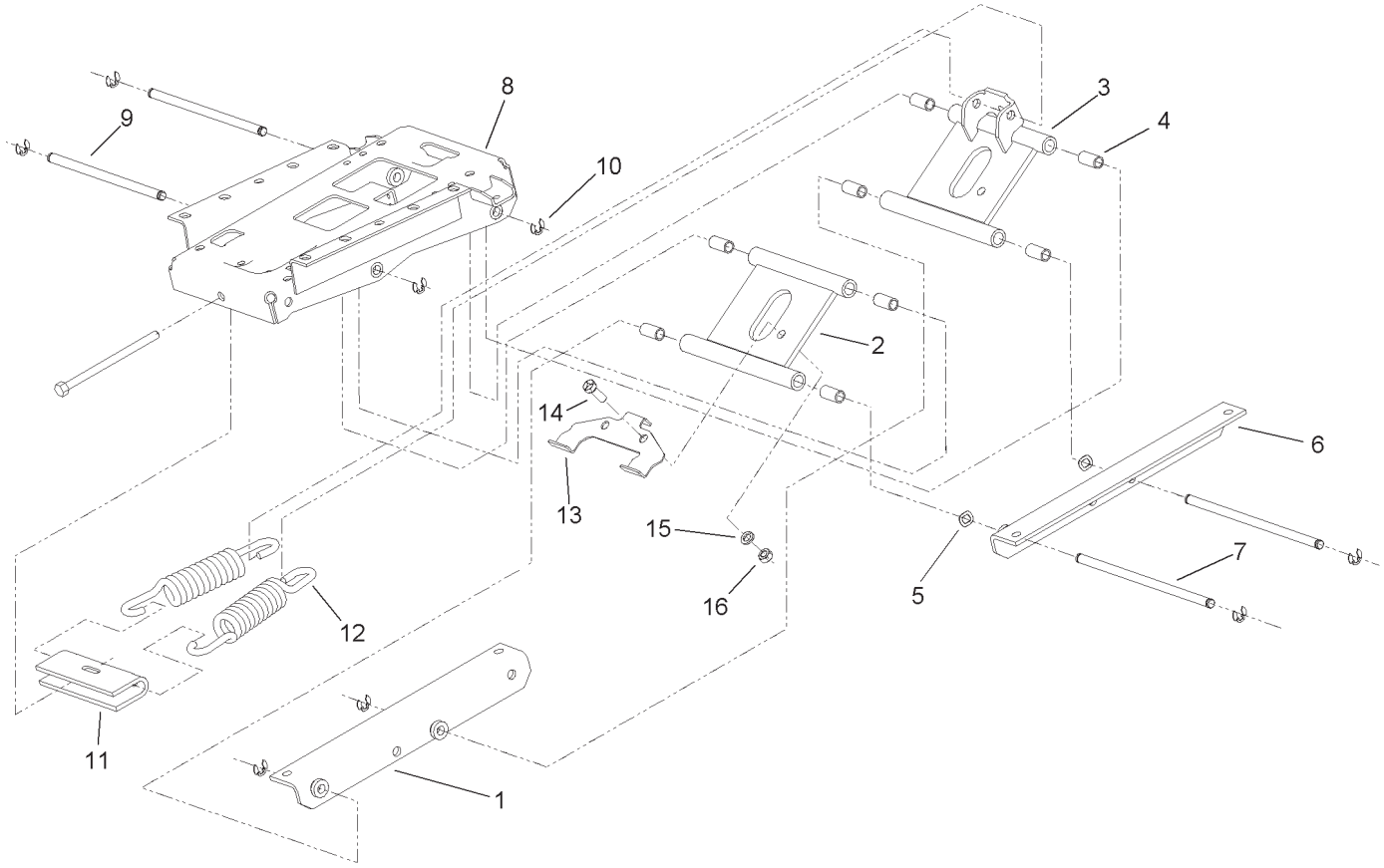


Sheet No.:A2

Seat Suspension Assembly No. 76-1970

Ref. No.	Part No.	Qty.	Description
1	106-8085	1	Suspension ASM
2	3256-24	1	Washer-Flat
3	106-1031	1	Tension Adjuster Knob ASM
3:2	106-8093	1	Knob-Adjust, Tension
3:3	32121-45	1	Pin-Spring
6	66-9290	4	Spacer-Suspension
7	76-2940	2	Bumper
8	66-8530	1	Adjuster
9	32153-2	1	Nut-Lock
10	66-8510	1	Adjuster W/Handle
11	75-3570	1	Tip-V inyl
13	32128-25	4	Nut-Flange
15	93-3163	2	Spring
16	93-3164	2	Cap

Ref. No.	Part No.	Qty.	Description

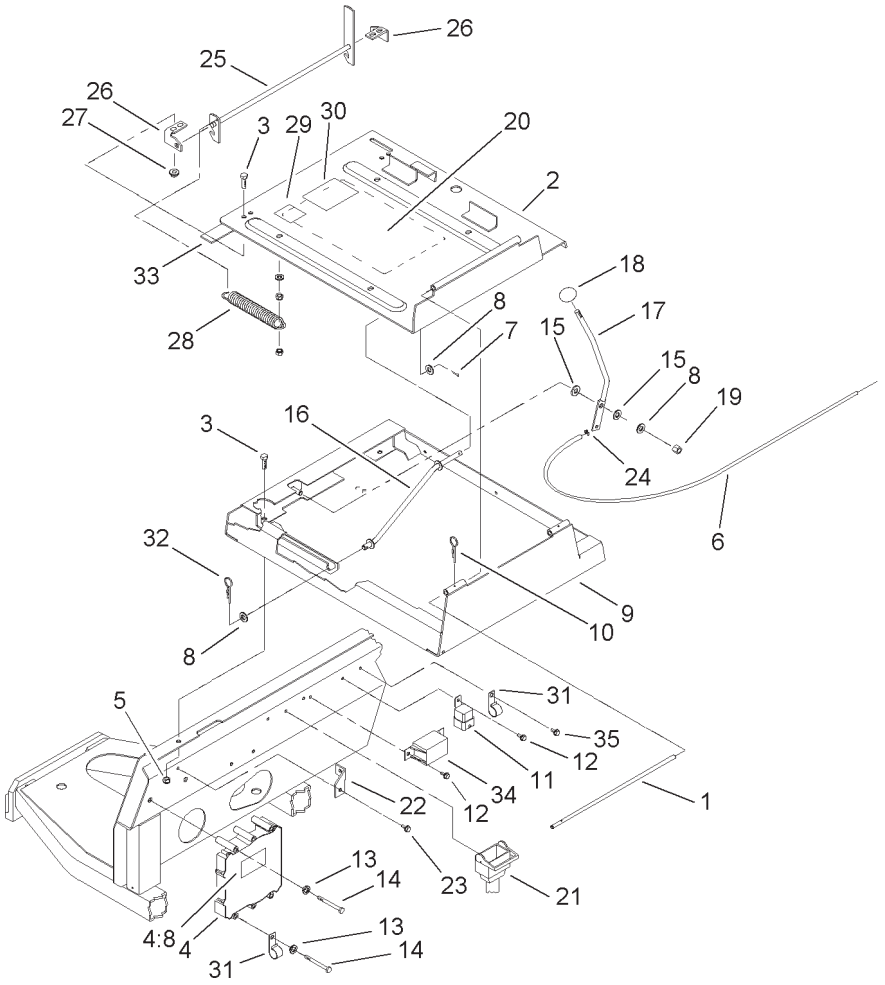


Sheet No.:A3

Suspension Assembly No. 106-8085

Ref. No.	Part No.	Qty.	Description
1	106-8086	1	Bracket-Mounting, RH
2	106-8087	1	Arm
3	106-8088	1	Bellcrank
4	76-1920	8	Sleeve-Bearing
5	108472	2	Washer-W ave
6	106-8089	1	Mounting Bracket, LH
7	106-8090	2	Shaft-Pivot
8	66-8600	1	Frame-Upper
9	76-1910	2	Shaft-Pivot
10	32151-47	8	Ring-Retaining
11	77-2870	1	Hanger-Spring
12	76-1940	2	Spring-Extension
13	93-3165	1	Bracket
14	322-6	1	Screw-HH
15	3253-33	1	Washer-Lock
16	3217-6	1	Nut-Hex

Ref. No.	Part No.	Qty.	Description

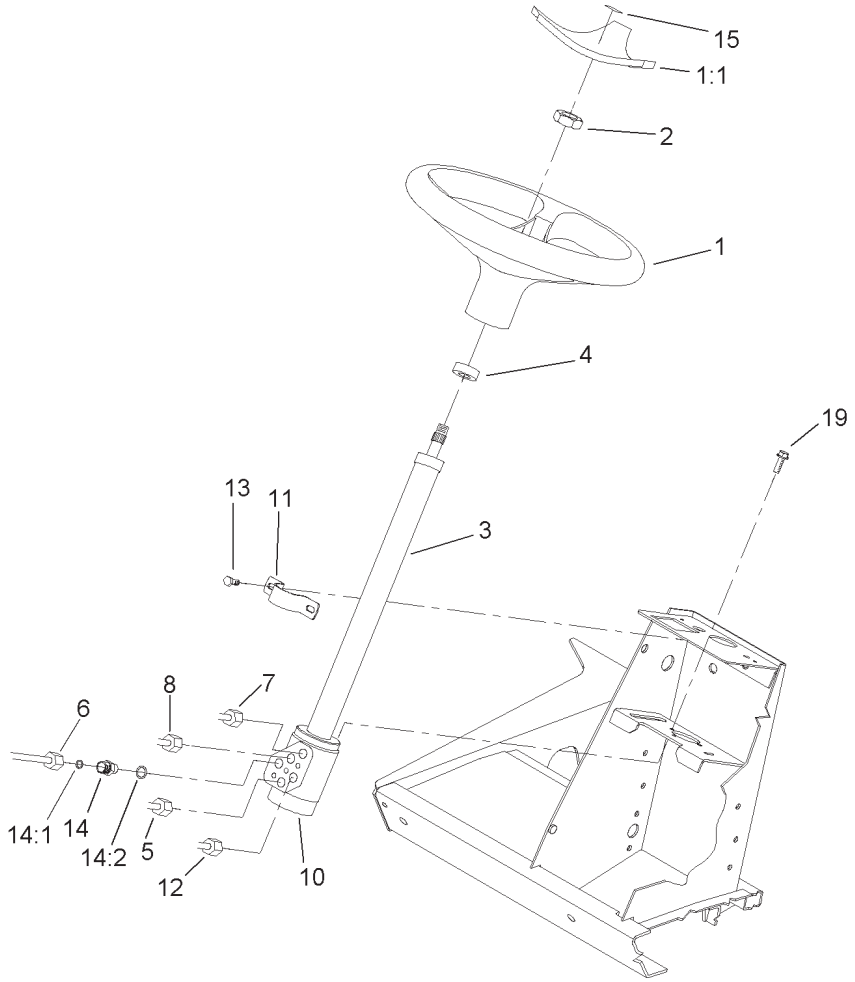


Sheet No.:11

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	2	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	3	Screw-HWH
13	3253-3	3	Washer-Lock
14	321-36	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	105-9268	1	Decal-Solenoid Info, Ce
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	2412-150	2	J-Clip
32	3290-307	1	Pin-Hair
33	94-8146	1	Strip-Foam
34	66-8800	1	Relay
35	32144-11	1	Screw-TAP



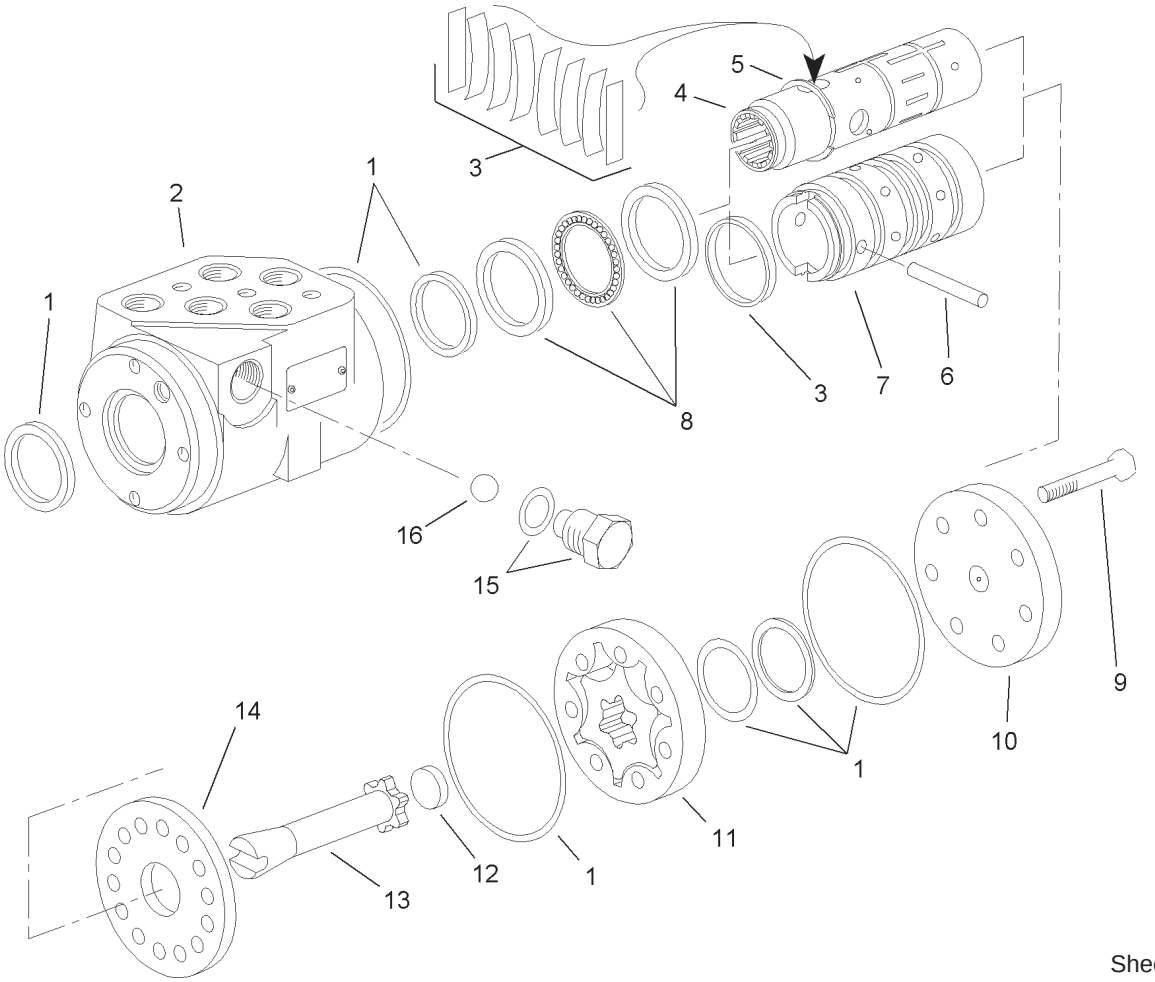
Sheet No.:12

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	Front In Straight Tube ASM
*6:1	237-22	1	O-Ring
7	104-3737	1	Front Out Straight Tube ASM
8	94-3060	1	HYD Tube ASM
*8:1	237-22	1	O-Ring
10	105-3315	1	Valve-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
19	33103-020	3	Screw-HHF

Ref. No.	Part No.	Qty.	Description

* Not illustrated



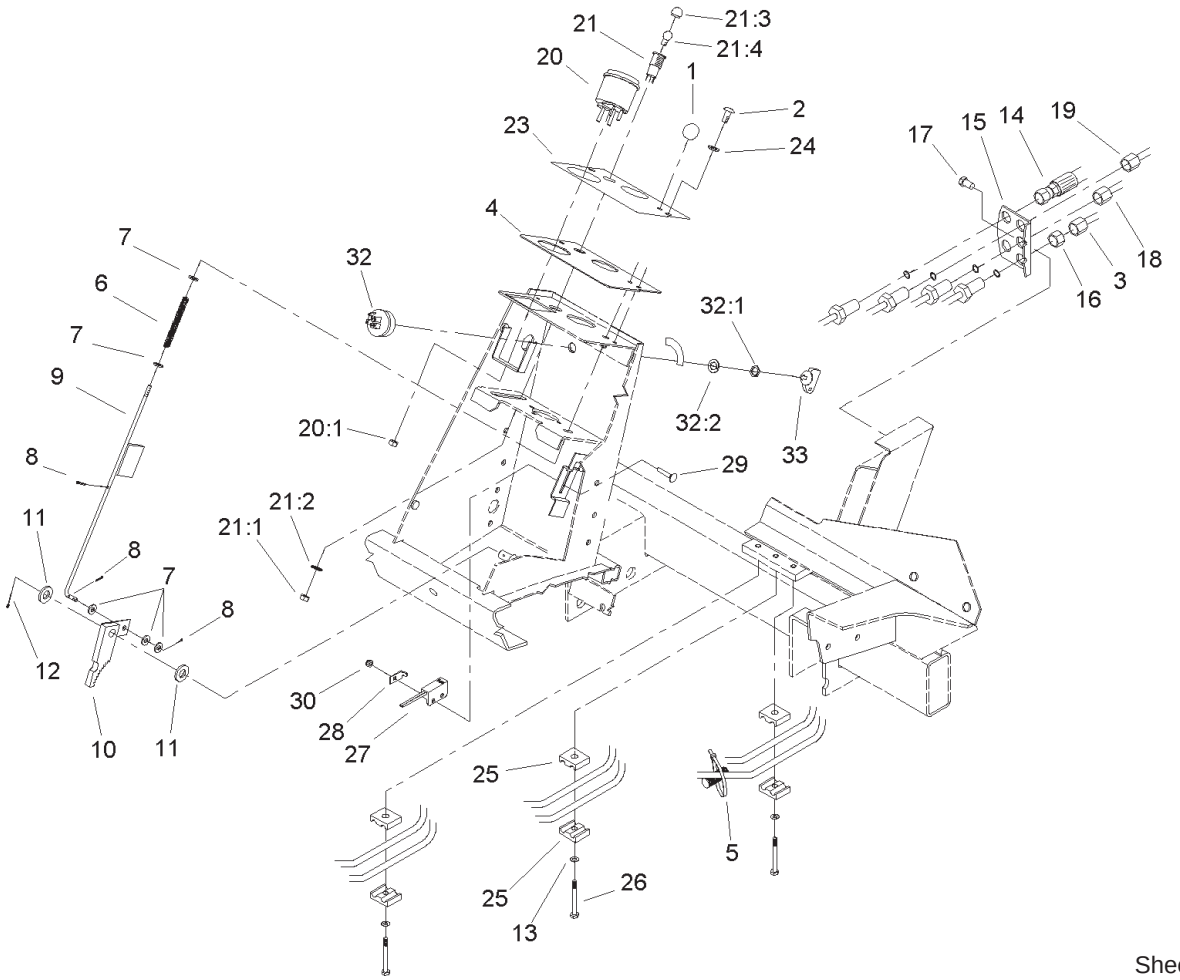
Sheet No.:A4

Steering Control Assembly No. 105-3315

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-W ear
15	94-4097	1	Plug ASM
16	94-4100	1	Ball

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



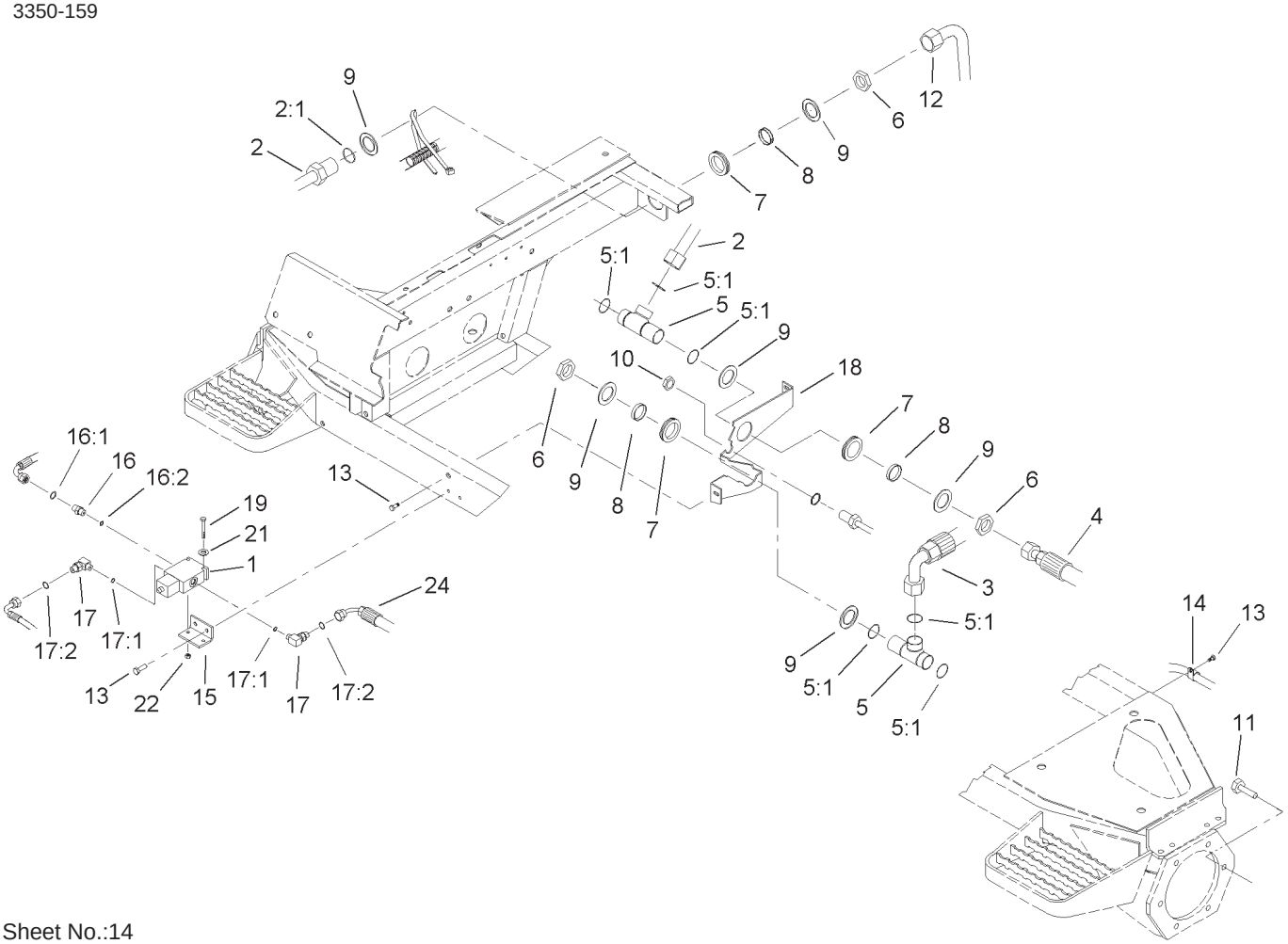
Sheet No.:13

Steering Tower Assembly

Ref. No.	Part No.	Qty.	Description
1	233-17	1	Knob
2	87-6620	2	Screw
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	Steering Hose ASM
15	92-7606-03	1	Bracket-Bulkhead
16	340-70	4	Nut-Lock
17	32144-14	2	Screw-HWH
18	104-3745	1	RH Rear Straight Tube ASM
*18:1	237-22	1	O-Ring
19	104-3746	1	Rear In Straight Tube ASM
*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
☆21:4		1	Bulb
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
32	104-2541	1	Switch-Key
32:1	107-1571	1	Nut-HH
32:2	107-1572	1	Washer-Tooth
33	63-8360	1	Key-Ignition

* Not illustrated
☆ Not serviced separately



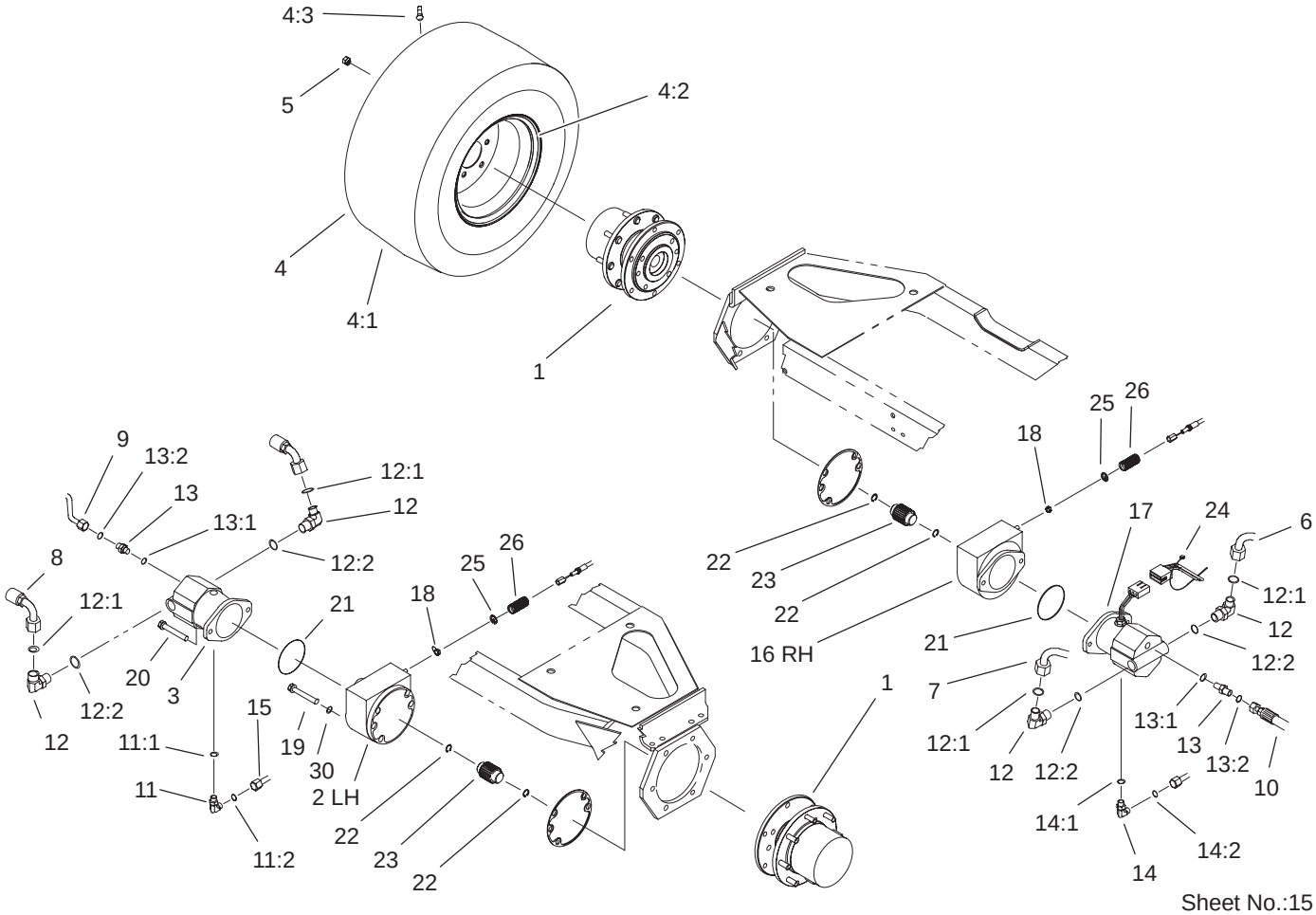
Sheet No.:14

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
2:1	340-65	1	O-Ring
3	105-7922	1	HYD Hose ASM
4	92-7486	1	HYD Hose ASM
5	92-7550	2	Fitting-Tee, Bulkhead
5:1	340-65	3	O-Ring
6	340-128	3	Nut-Bulkhead
7	240-2	3	Grommet-Rubber
8	69-8950	3	Spacer
9	69-8920	6	Washer
10	340-127	1	Nut-Bulkhead
11	33106-030	12	Screw-HHF
12	104-3736	1	HYD Tube ASM
*12:1	237-58	1	O-Ring
13	32144-14	7	Screw-HWH
14	2412-93	2	Clamp-R
15	100-3807	1	Bracket-Divider, Flow
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

Ref. No.	Part No.	Qty.	Description
19	321-23	2	Screw-HH
21	3256-2	2	Washer-Flat
22	3296-42	2	Nut-Lock, NI
24	100-3783	1	Hose ASM

* Not illustrated



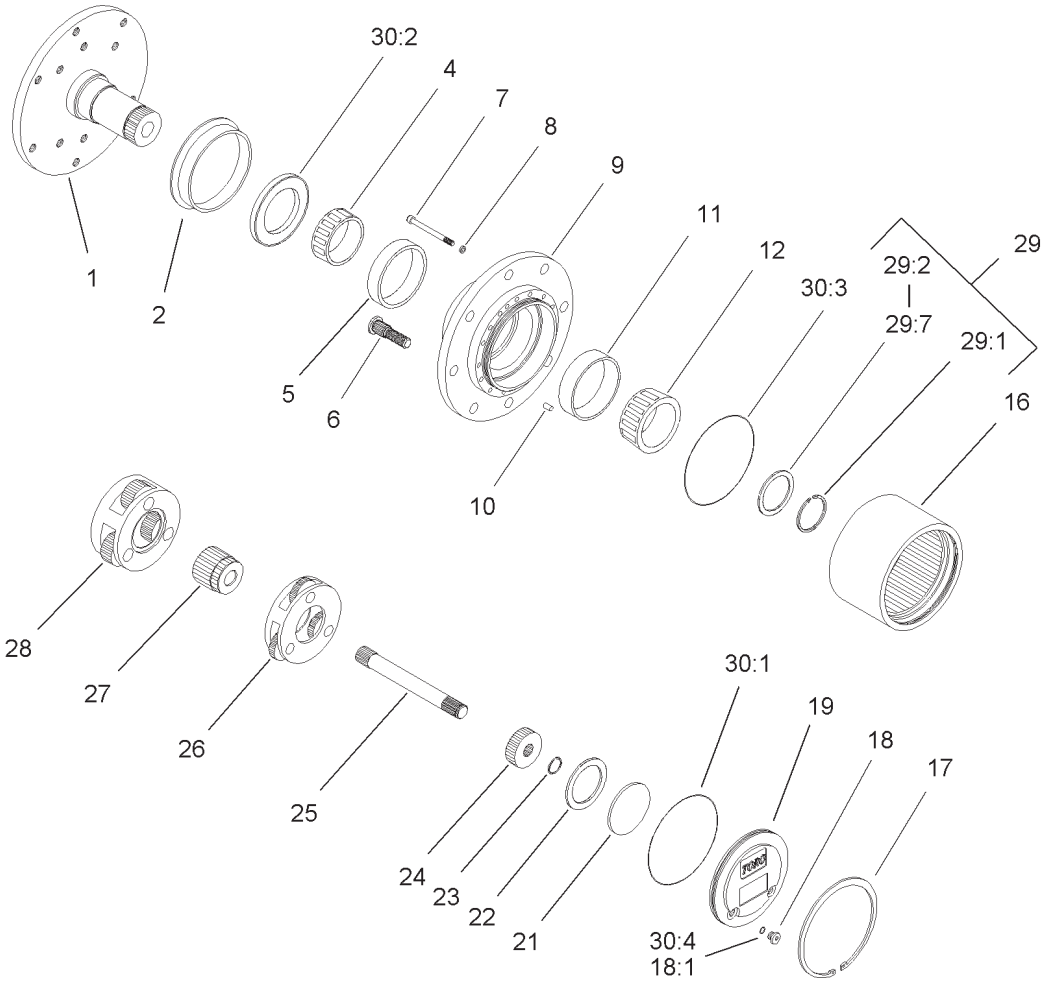
Sheet No.:15

Front Axle and Brake Assembly

Ref. No.	Part No.	Qty.	Description
1	105-4500-03	2	Planetary ASM
2	100-3070-03	1	Brake ASM
3	92-7385	1	HYD Motor ASM
☆4		2	Wheel And Tire ASM
4:1	95-3465	1	Tire
4:2	95-3464	1	Rim
4:3	232-24	1	Stem-V alve
5	92-7483	16	Nut-Lug
6	92-7475	1	Traction Tube ASM
7	92-7476	1	Traction Tube ASM
8	92-7487	1	HYD Hose ASM
9	92-7477	1	Motor Drain Tube ASM
10	92-7488	1	HYD Hose ASM
11	340-18	1	Fitting-HYD, 90°
11:1	237-79	1	O-Ring
11:2	237-22	1	O-Ring
12	340-142	4	Fitting-HYD, 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°
14:1	237-79	1	O-Ring
14:2	237-30	1	O-Ring
15	92-7598	1	Front Drain Tube ASM

Ref. No.	Part No.	Qty.	Description
16	100-3069-03	1	Brake ASM
17	93-7476	1	HYD Motor ASM
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, Internal
23	100-3046	2	Shaft-Brake, Splined
24	3290-378	2	Tie-Cable
25	94-3050	2	Plate-Spring
26	94-3088	2	Spring-Compression
30	3256-26	4	Washer-Flat

☆ Not serviced separately



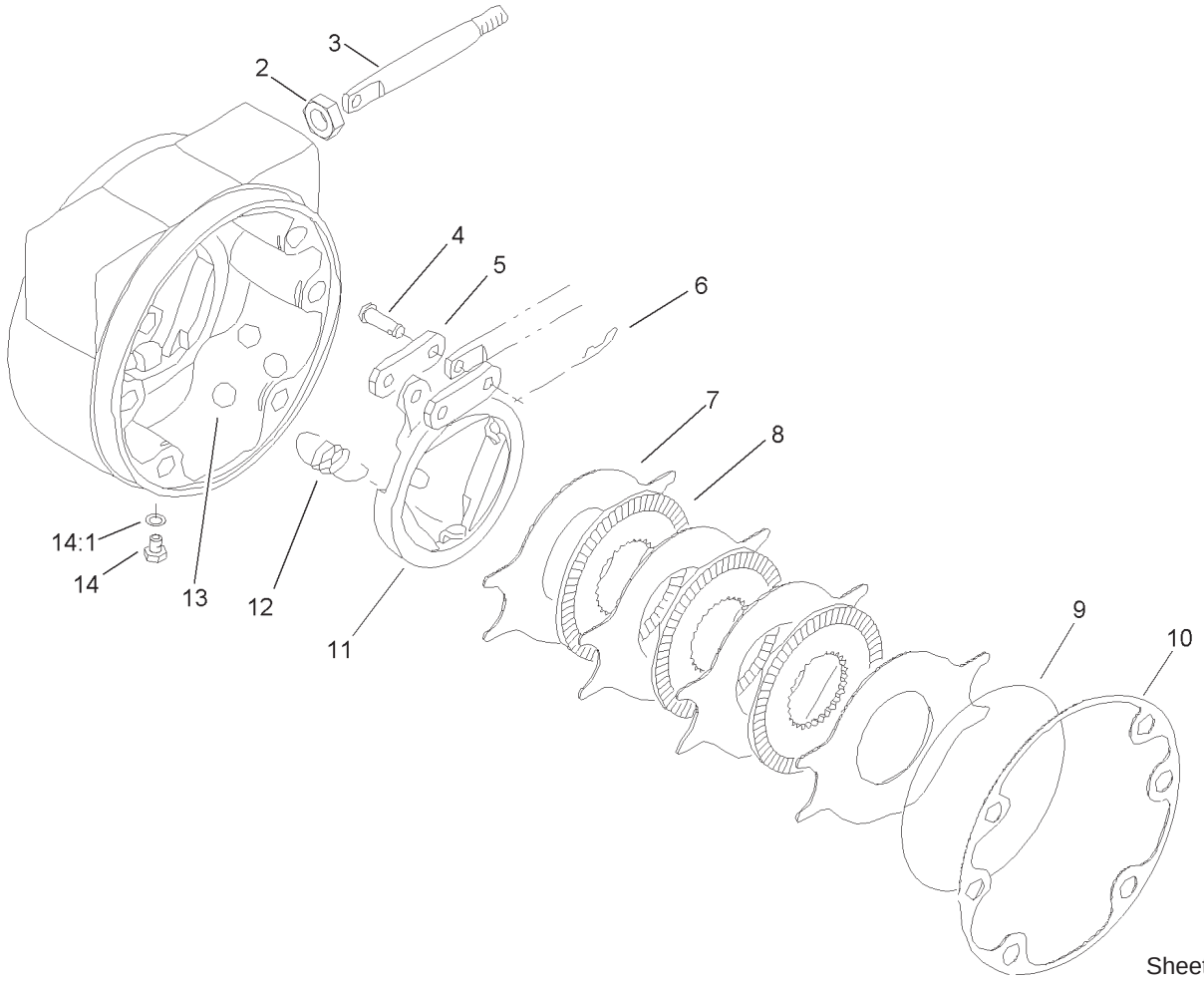
Sheet No.:A5

Planetary 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-Head, Socket
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	237-78	2	O-Ring

☆ Not serviced separately
* Not illustrated

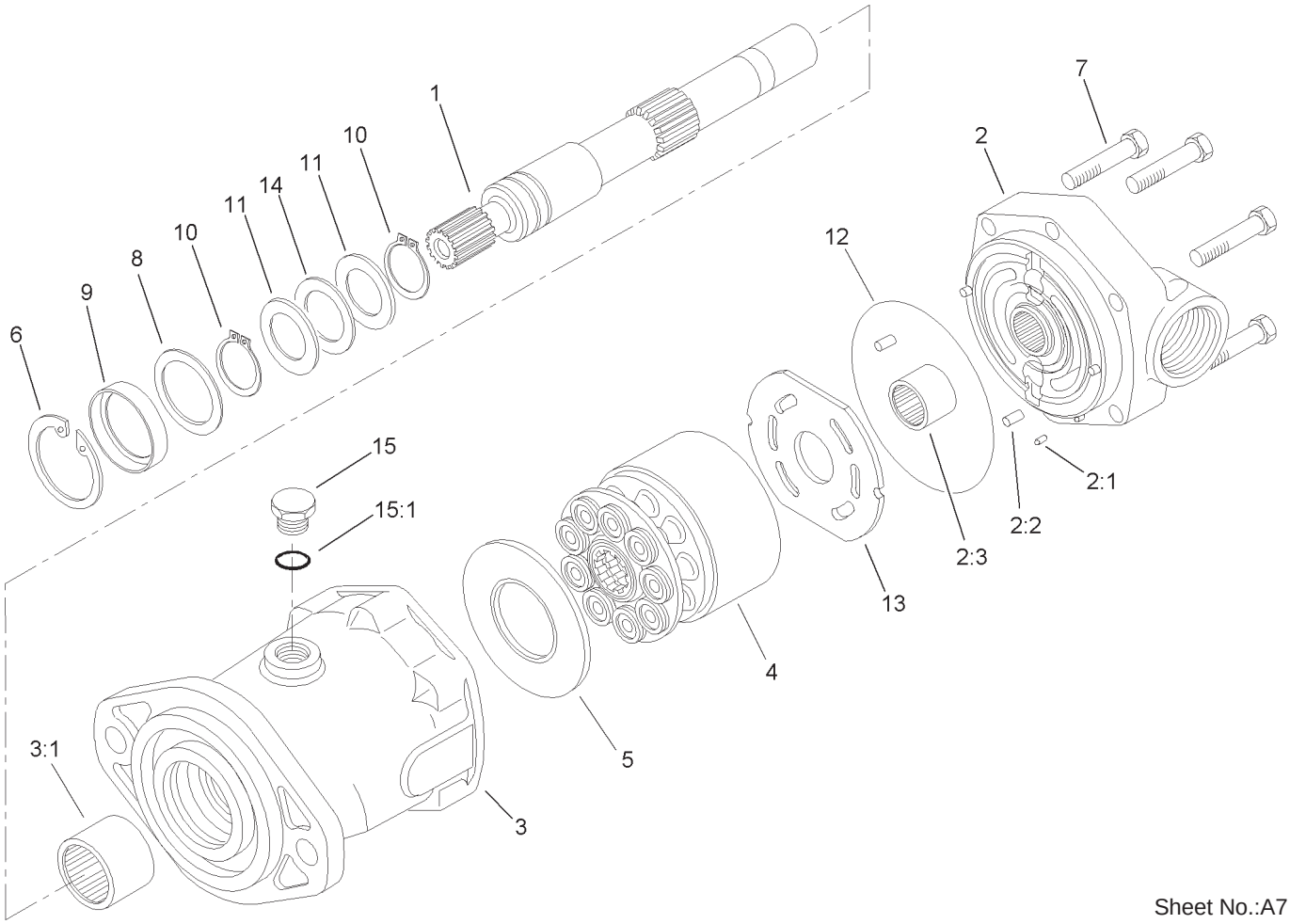


Sheet No.:A6

Brake Assembly No. 100-3070-03

Ref. No.	Part No.	Qty.	Description
2	93-7977	1	Seal
3	93-7978	1	Rod-Pull
4	93-7983	2	Pin-Clevis
5	93-7980	2	Link
6	93-7979	2	Pin-Hitch
7	93-7986	4	Disc-Stationary
8	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



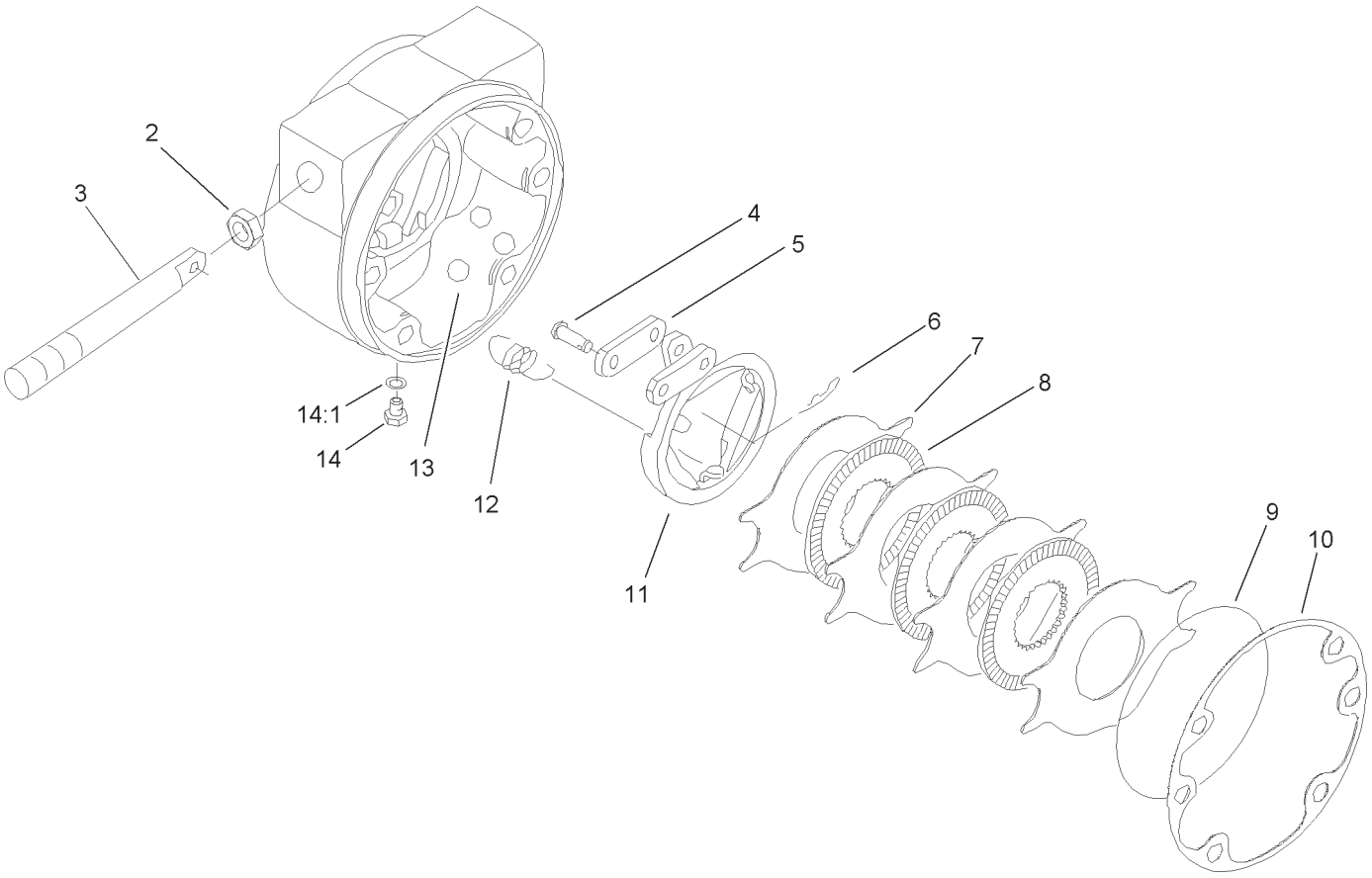
Sheet No.:A7

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-V alve
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

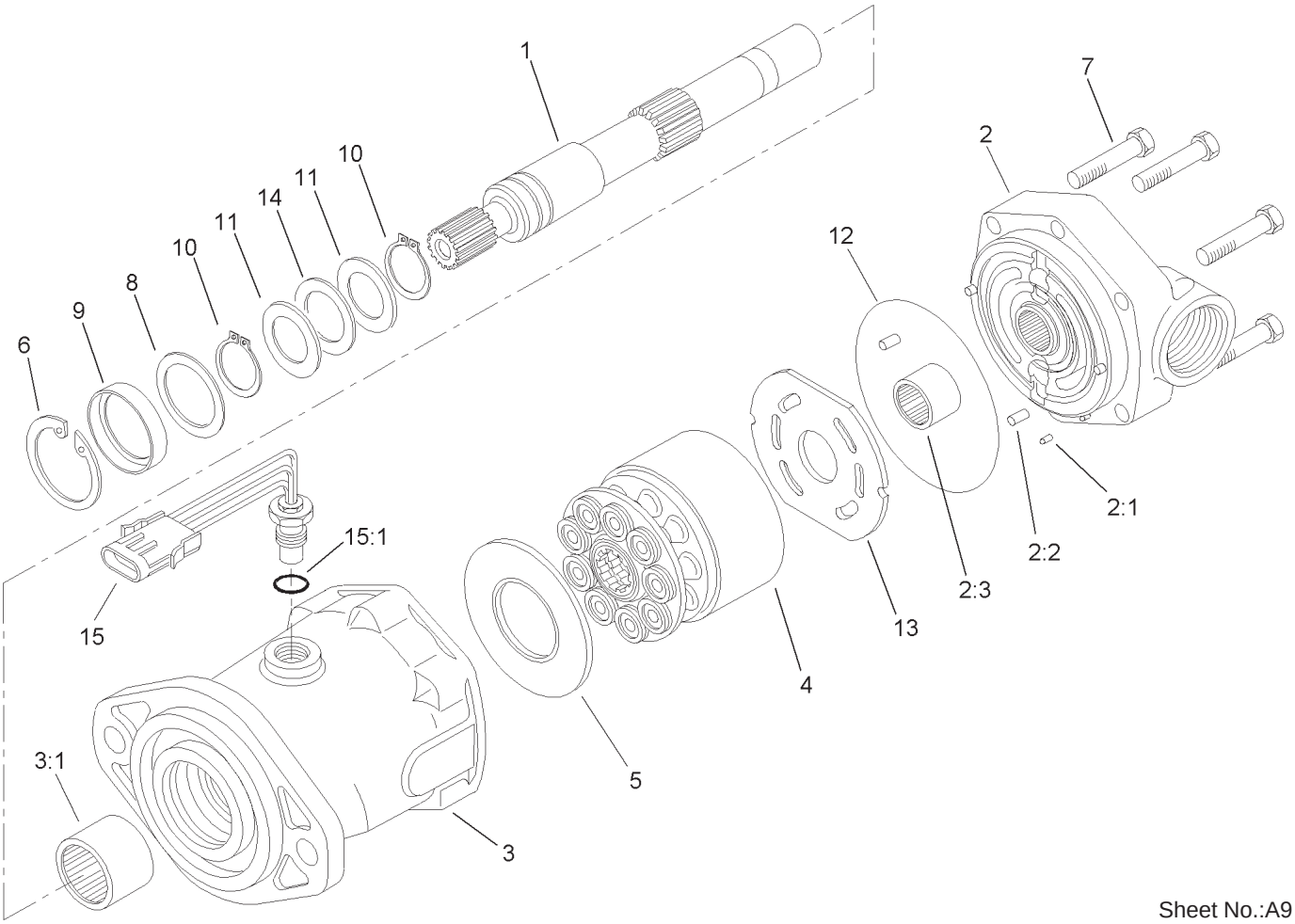


Sheet No.:A8

Brake Assembly No. 100-3069-03

Ref. No.	Part No.	Qty.	Description
2	93-7977	1	Seal
3	93-7978	1	Rod-Pull
4	93-7983	2	Pin-Clevis
5	93-7980	2	Link
6	93-7979	2	Pin-Hitch
7	93-7986	4	Disc-Stationary
8	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



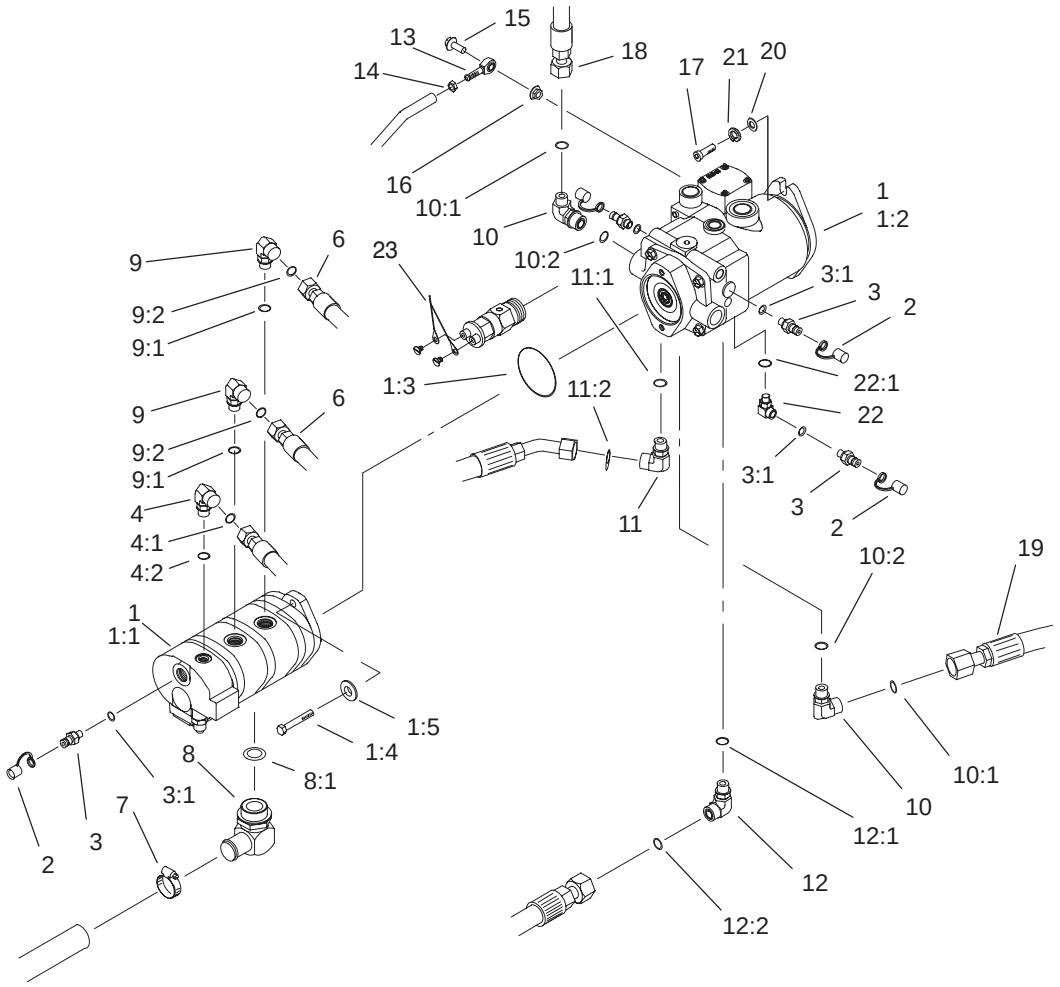
Sheet No.:A9

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-V alve
14	76-6960	1	Bearing-Thrust
15	94-3010	1	Sensor-Speed, Pickup
☆15:1		1	O-Ring

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



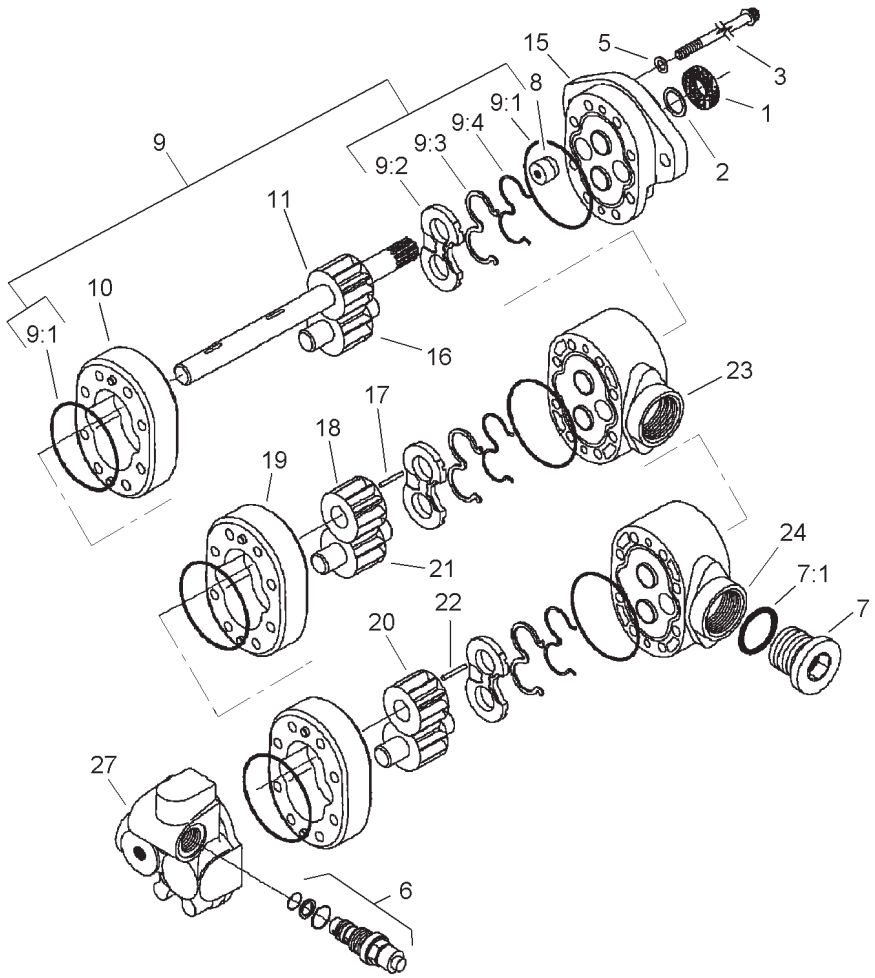
Sheet No.:16

Hydraulic Pump Installation Assembly

Ref. No.	Part No.	Qty.	Description
☆1		1	Pump ASM
1:1	105-3317	1	Pump-Gear
1:2	107-4441	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
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
6	105-7927	2	HYD Hose ASM
7	2412-1 11	1	Clamp
8	92-7526	1	Fitting-HYD, 90°
8:1	237-101	1	O-Ring
9	340-105	2	Fitting-HYD, 90°
9:1	237-80	1	O-Ring
9:2	237-30	1	O-Ring
10	340-15	2	Fitting-HYD, 90°
10:1	237-58	1	O-Ring
10:2	237-146	1	O-Ring
11	104-3796	1	Fitting-HYD, 90°
11:1	237-81	1	O-Ring
11:2	340-65	1	O-Ring
12	340-129	1	Fitting-HYD, 90°

Ref. No.	Part No.	Qty.	Description
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	3234-1 1	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
20	87-7270	2	Washer-Thrust
21	3253-7	2	Washer-Lock
22	75-6640	1	Fitting-HYD, Special
22:1	237-78	1	O-Ring
23	105-0122	1	Harness-Wire

☆ Not serviced separately



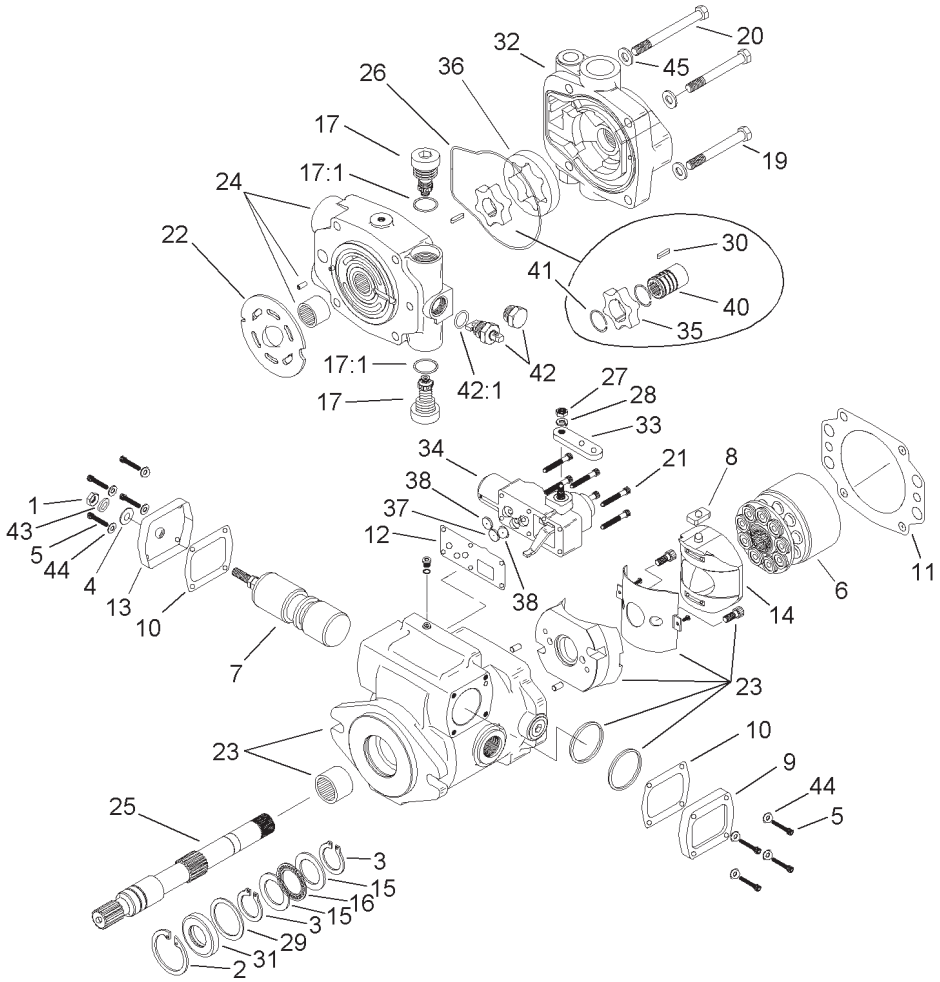
Sheet No.:B1

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-W ear
☆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

Ref. No.	Part No.	Qty.	Description
☆24		1	Plate-Adaptor
☆27		1	Body

☆ Not serviced separately



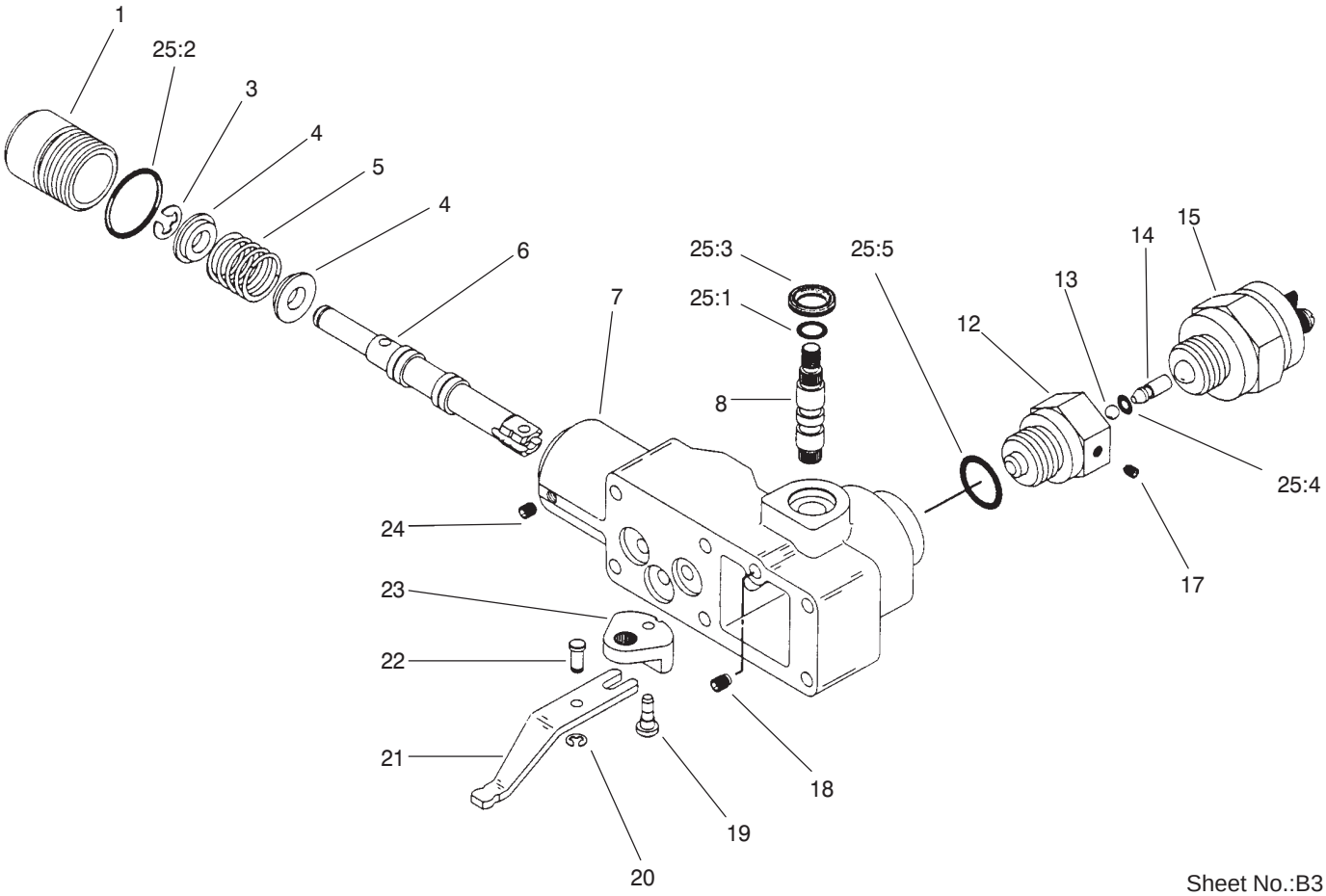
Sheet No.:B2

Piston Pump Assembly No. 107-4441

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-Housing, Control
13	94-3034	1	Plate-Cover
14	94-3026	1	Camplate ASM
15	76-6950	2	Race-Thrust
16	76-6960	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	107-4442	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	107-4443	1	Gerotor-Ring, Inner
36	99-8707	1	Gerotor-Outer
37	105-2909	1	Orifice-Control
38	105-2910	2	Orifice-Valve, Control
40	107-4444	1	Coupler
41	105-2912	2	Ring-Retaining
42	105-2913	1	Valve-Bypass
☆42:1		1	O-Ring
43	94-3030	1	Washer
44	93-6336	8	Washer
45	3256-24	4	Washer-Flat

☆ Not serviced separately



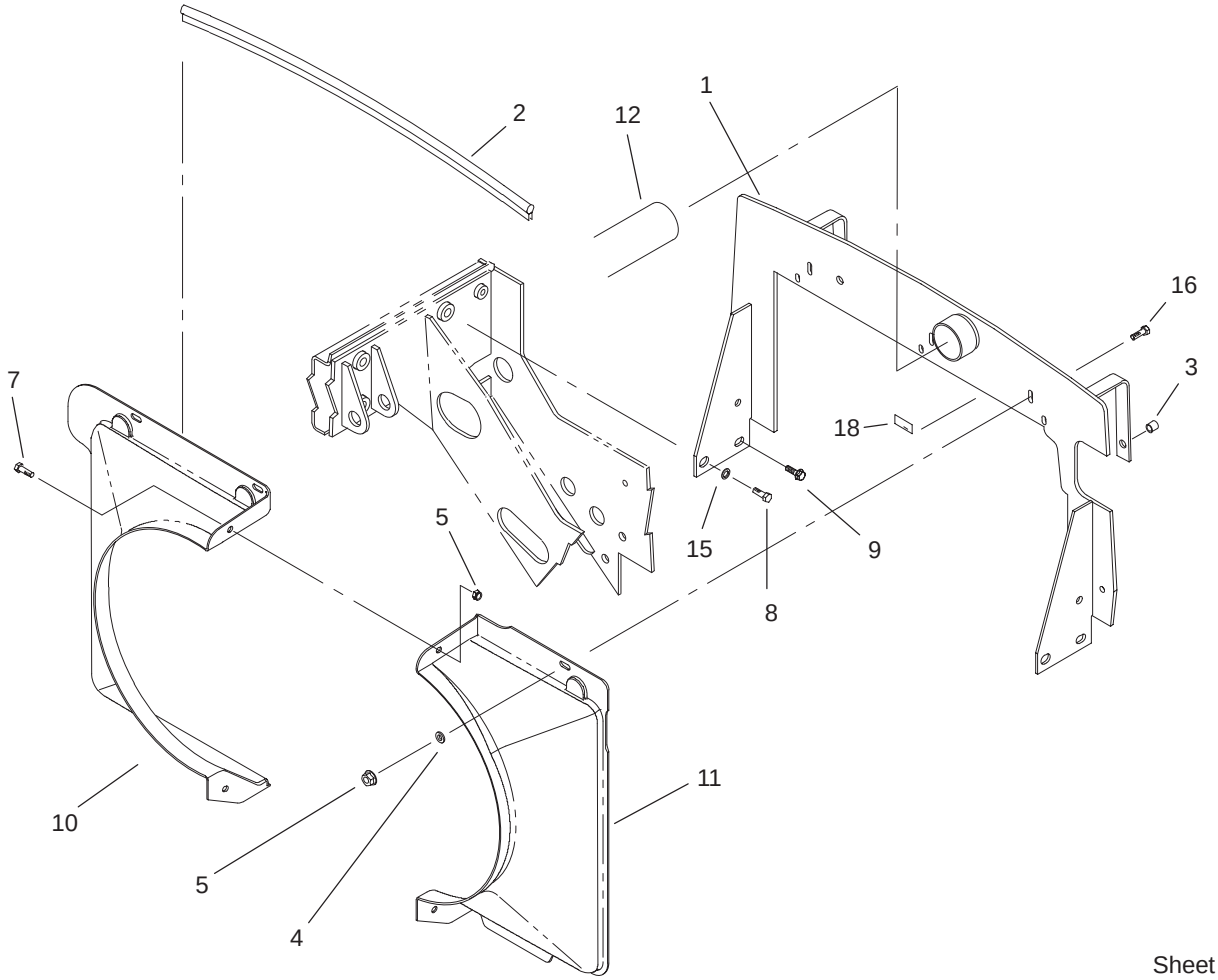
Sheet No.:B3
T-2119

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

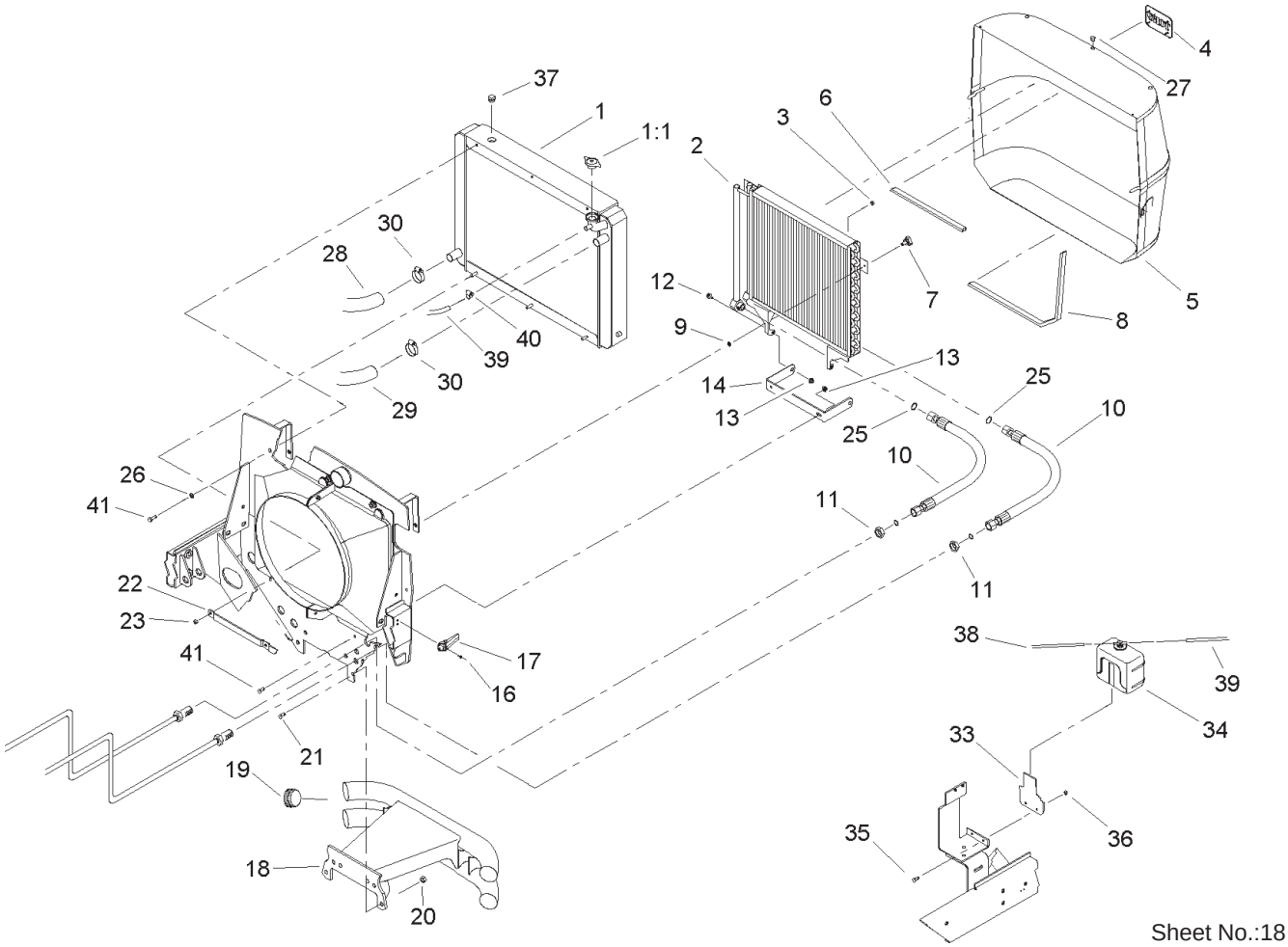


Sheet No.:17

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	3234-1	2	Screw-HHF
10	105-0104	1	Shroud-Fan, RH
11	105-0103	1	Shroud-Fan, LH
12	104-5209	1	Hose-Cleaner , Air
15	3256-27	2	Washer-Flat
16	3230-2	3	Bolt-CARR
18	93-6681	1	Decal-W arning, Fan

Ref. No.	Part No.	Qty.	Description

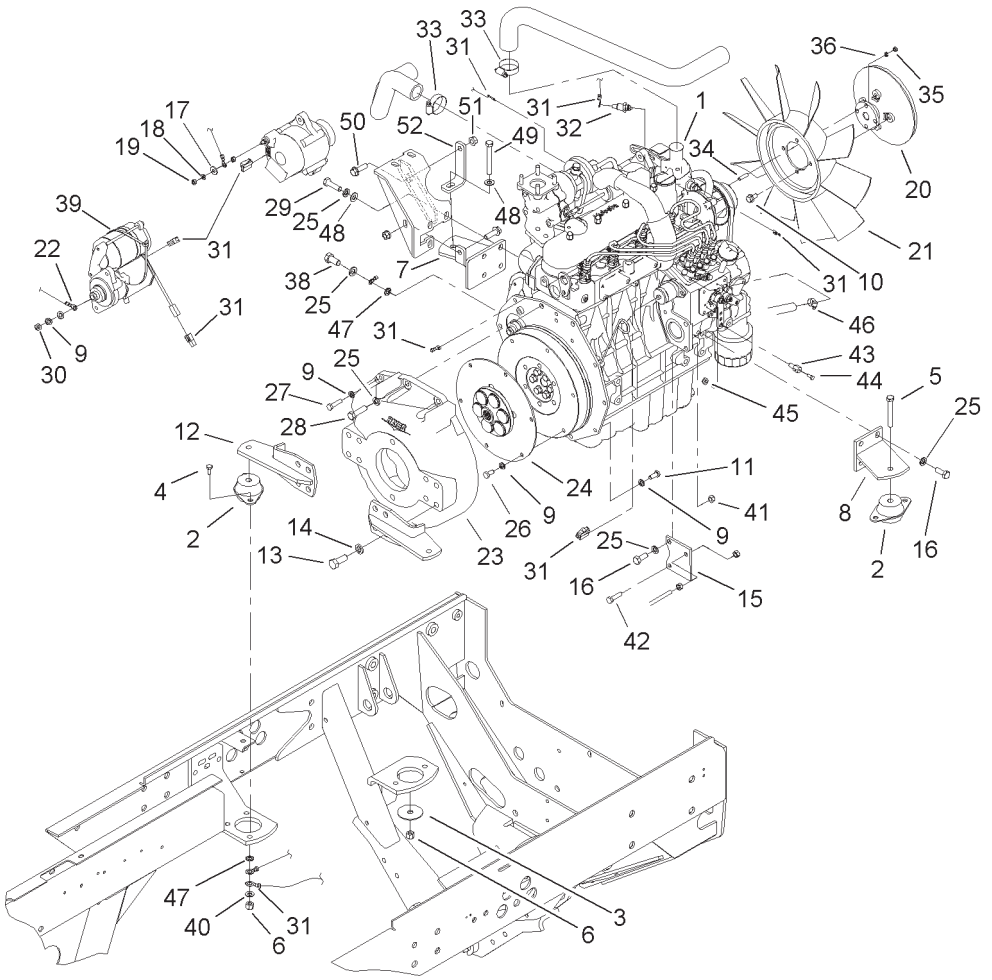


Sheet No.:18

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-T innerman
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-Screen, Strip
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	4	Nut-HF
14	92-7516-03	1	Bracket-Support, Cooler Base
16	3269-4	4	Rivet-Pop
17	105-9296	2	Latch-Draw
18	100-3758-03	1	Bumper
19	2410-42	4	Cap-End
20	3296-23	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

Ref. No.	Part No.	Qty.	Description
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-W ater, Reservoir
34	104-9318	1	Bottle-Overflow
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	104-4848	1	Hose-Fuel
40	2412-108	2	Clamp-W orm
41	3234-5	5	Screw

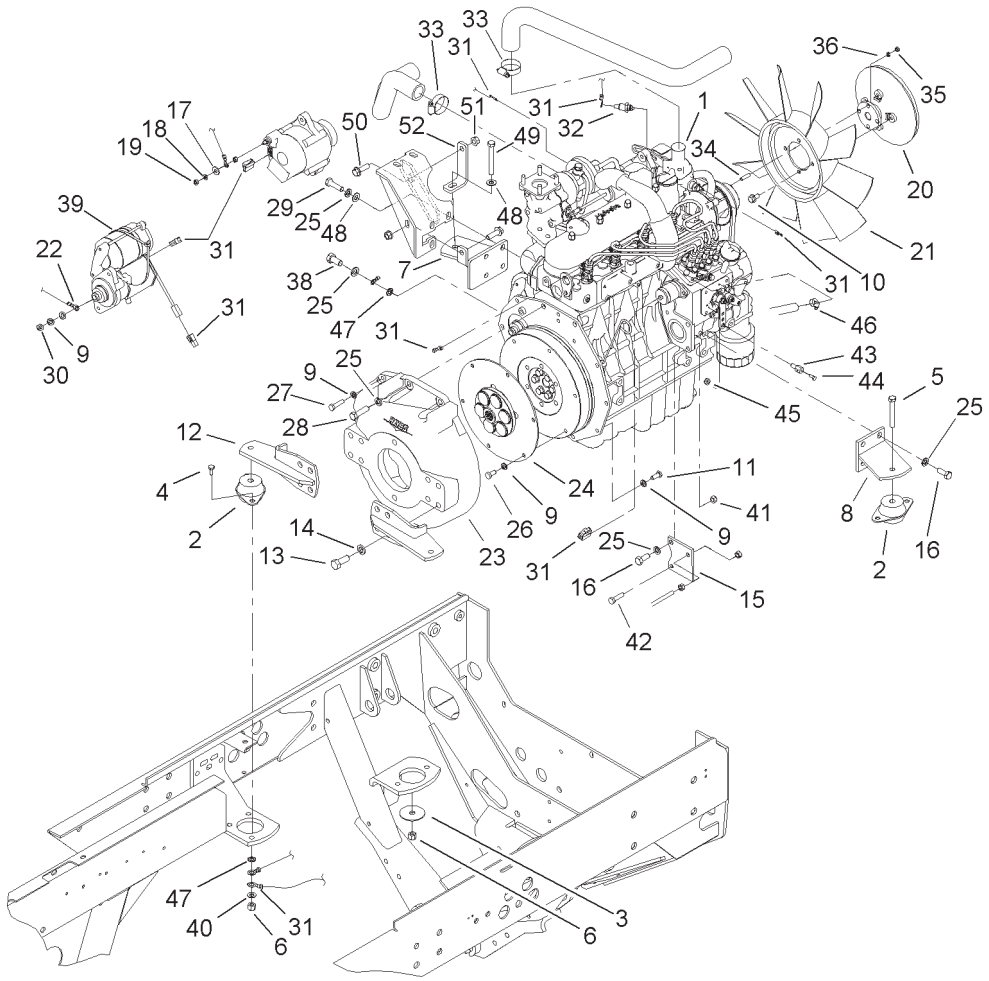


Sheet No.:19

Engine Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	106-7050	1	Engine-Kubota
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
23	105-0100	1	Flywheel Housing ASM

Ref. No.	Part No.	Qty.	Description
24	105-0101	1	Flywheel Coupling ASM
25	42-9600	12	Lockwasher-Spring
26	33114-016	6	Screw-HH
27	33114-030	6	Screw-HH
28	87-3700	2	Screw-Cap, HH
29	99-6058	3	Screw-Cap
30	57-6390	1	Nut-Jam
31	106-5972	1	Harness-Wire
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	43-0090	1	Screw-HH
39	3290-379	2	Tie-Cable
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
47	3255-9	2	Washer-Lock, Ext
48	48-9220	4	Washer
49	323-14	1	Screw-HH

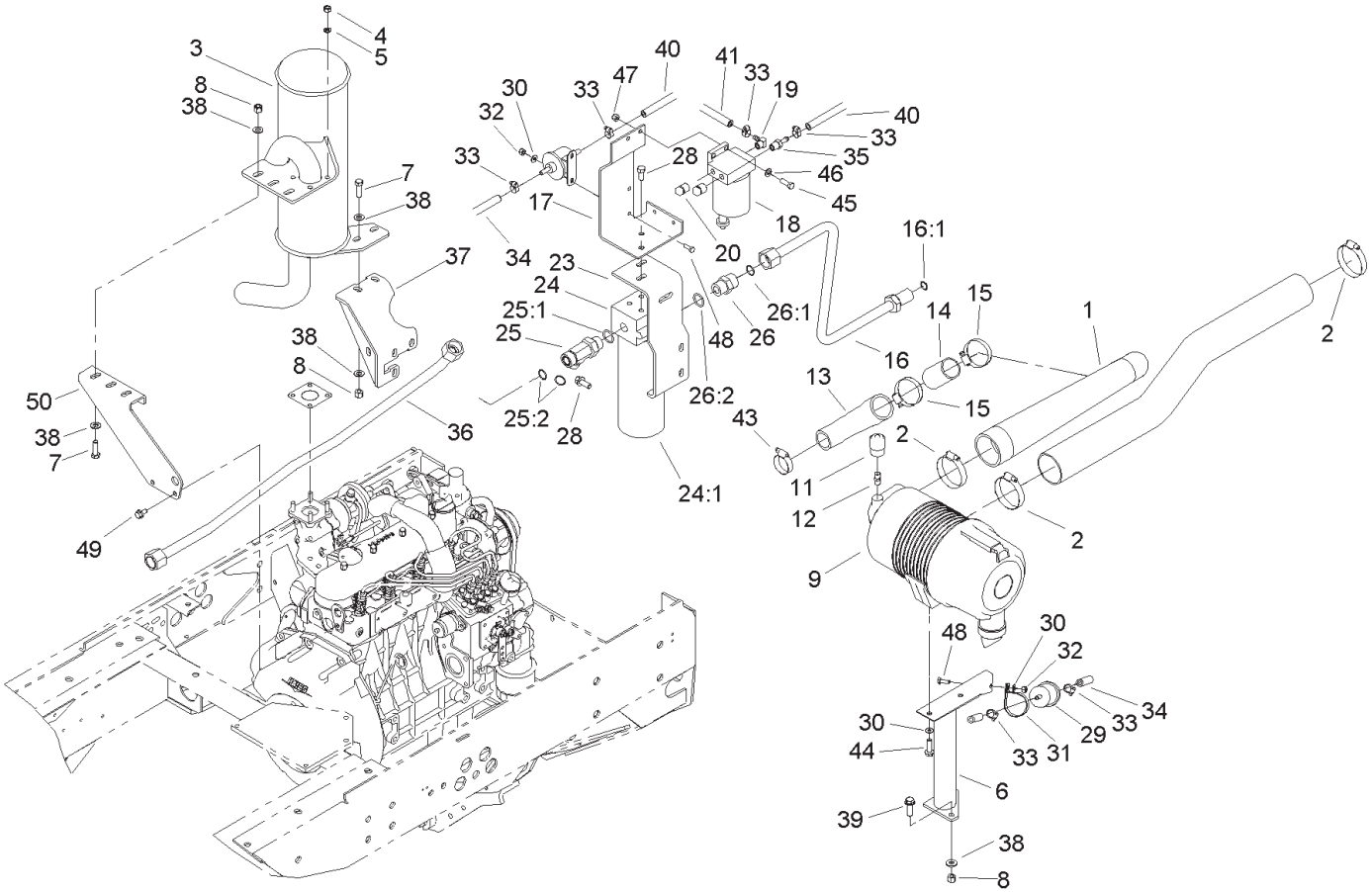


Sheet No.:19

Engine Installation Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
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

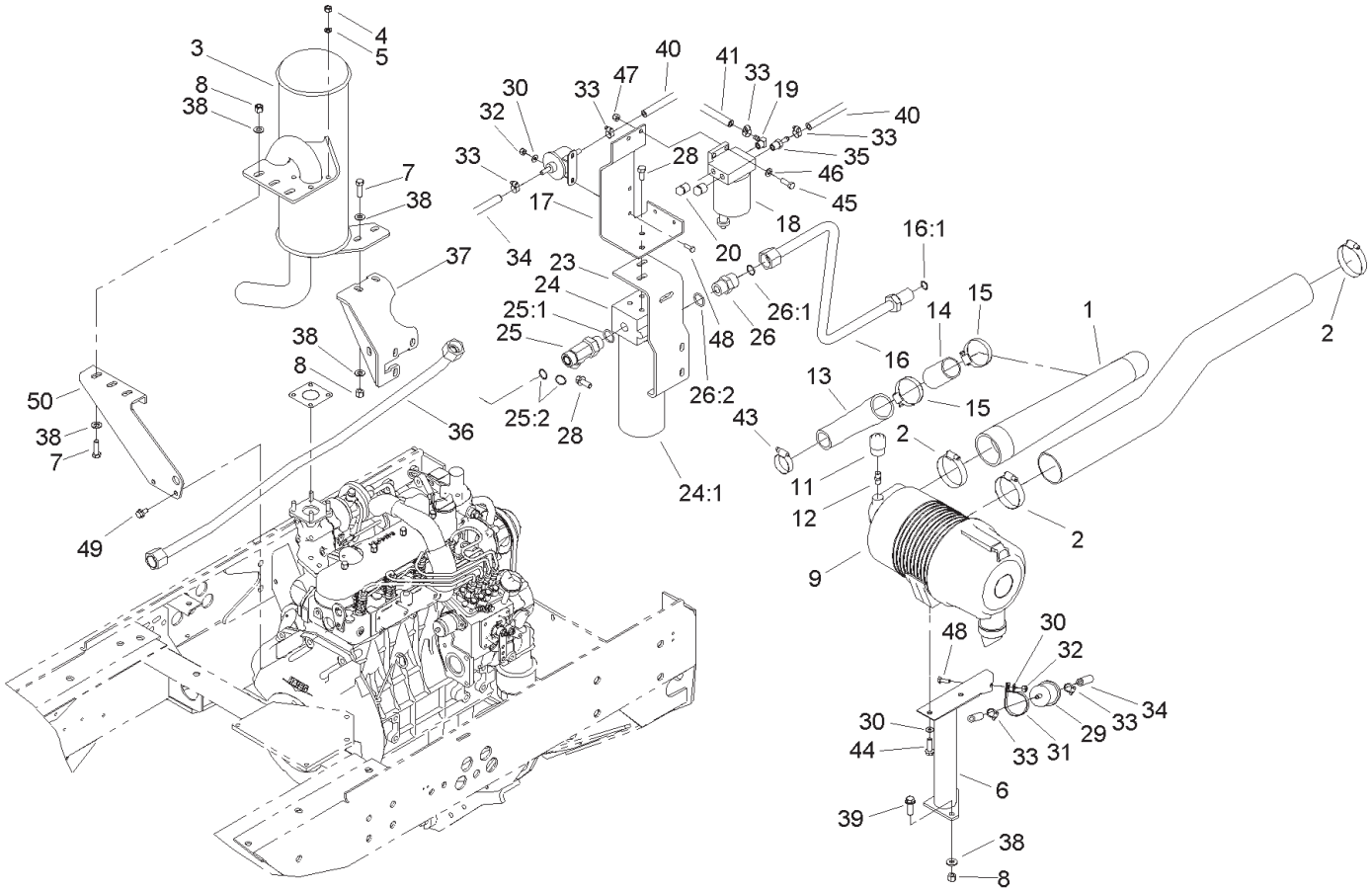


Sheet No.:20

Hydraulic Filter, Filter Pump, Fuel Filter and Air Cleaner Assembly

Ref. No.	Part No.	Qty.	Description
1	104-5208	1	Hose-T urbo, Air Cleaner
2	2412-125	3	Clamp-Hose
3	105-9260	1	Muffler ASM
4	33014-00	4	Nut-Hex
5	42-9850	6	Washer-Lock, Spring
6	106-7792-03	1	Support-Filter , Air
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-T urbo
14	104-5214	1	Spacer-T ubular
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-Separator , Fuel
18	98-9305	1	Water/Fuel Filter ASM
19	353-781	1	Fitting-Elbow
20	281-13	2	Plug-Pipe
23	104-5213-03	1	Bracket-Filter , Oil
24	94-2620	1	Oil Filter ASM

Ref. No.	Part No.	Qty.	Description
24:1	94-2621	1	Element-Filter
25	340-148	1	Fitting-T ee
25:1	237-81	1	O-Ring
25:2	237-58	2	O-Ring
26	340-9	1	Fitting-HYD, Straight
26:1	237-58	1	O-Ring
26:2	237-81	1	O-Ring
28	3234-25	4	Bolt-HF
29	98-7612	1	Filter-Fuel
30	3256-1	5	Washer-Flat
31	2412-147	1	Clamp
32	3296-42	3	Nut-Lock, NI
33	2412-108	6	Clamp-W orm
34	93-2043	1	Hose-Fuel
35	353-783	1	Fitting
36	104-3749	1	HYD Tube ASM
37	105-7910-03	1	Support-Muf fler
38	3256-56	12	Washer-Flat
39	3234-24	2	Screw-HHF
40	92-9283	1	Hose-Fuel
41	63-7627	1	Hose-Fuel
43	2412-3	1	Clamp-Hose
44	33104-030	2	Screw-HHF
45	322-5	2	Screw-HH



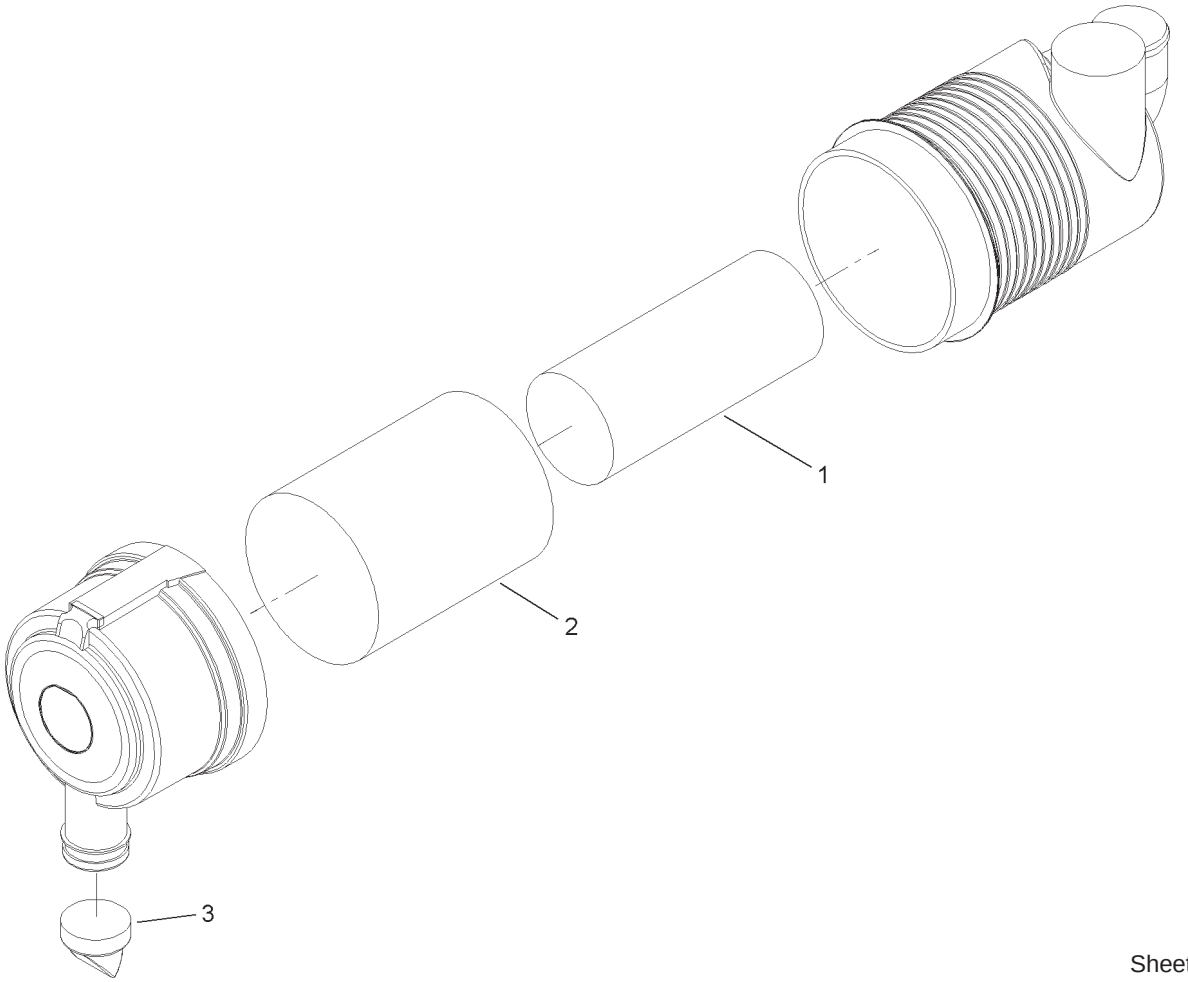
Sheet No.:20

Hydraulic Filter, Filter Pump, Fuel Filter and Air Cleaner Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
46	3256-23	2	Washer-Flat
47	3296-29	2	Nut-Lock, NI
48	321-4	3	Screw-HH
49	33114-016	2	Screw-HH
50	105-9258-03	1	Bracket-Muf fler, Upper

Ref. No.	Part No.	Qty.	Description

3350-159

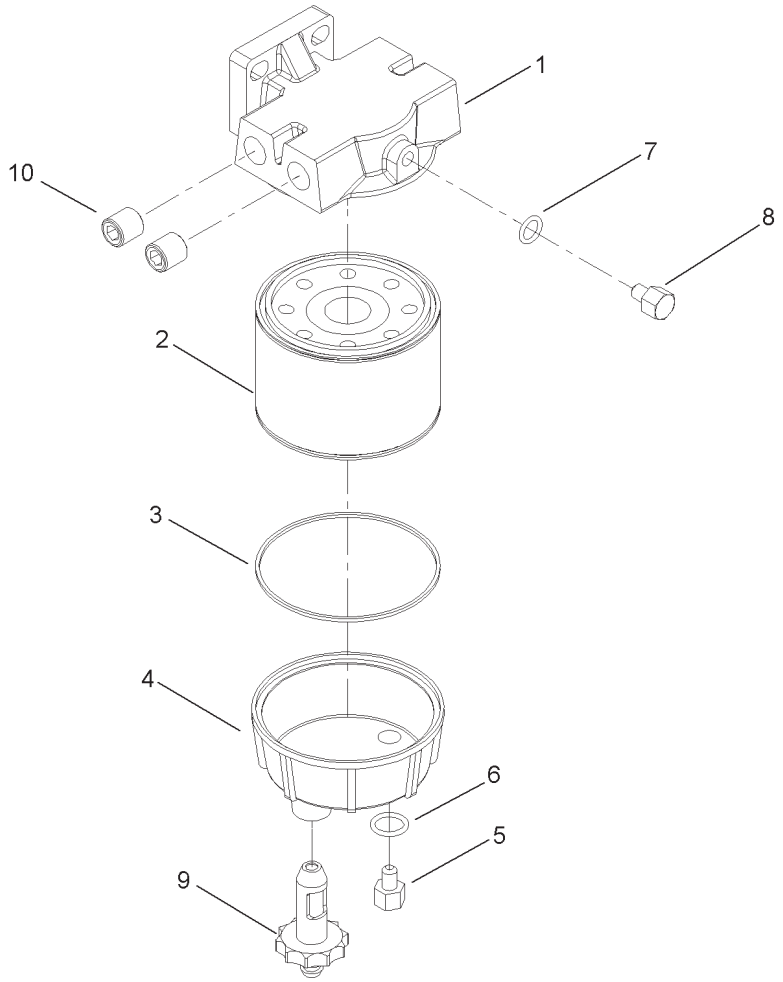


Sheet No.:B4

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-V acuator

Ref. No.	Part No.	Qty.	Description

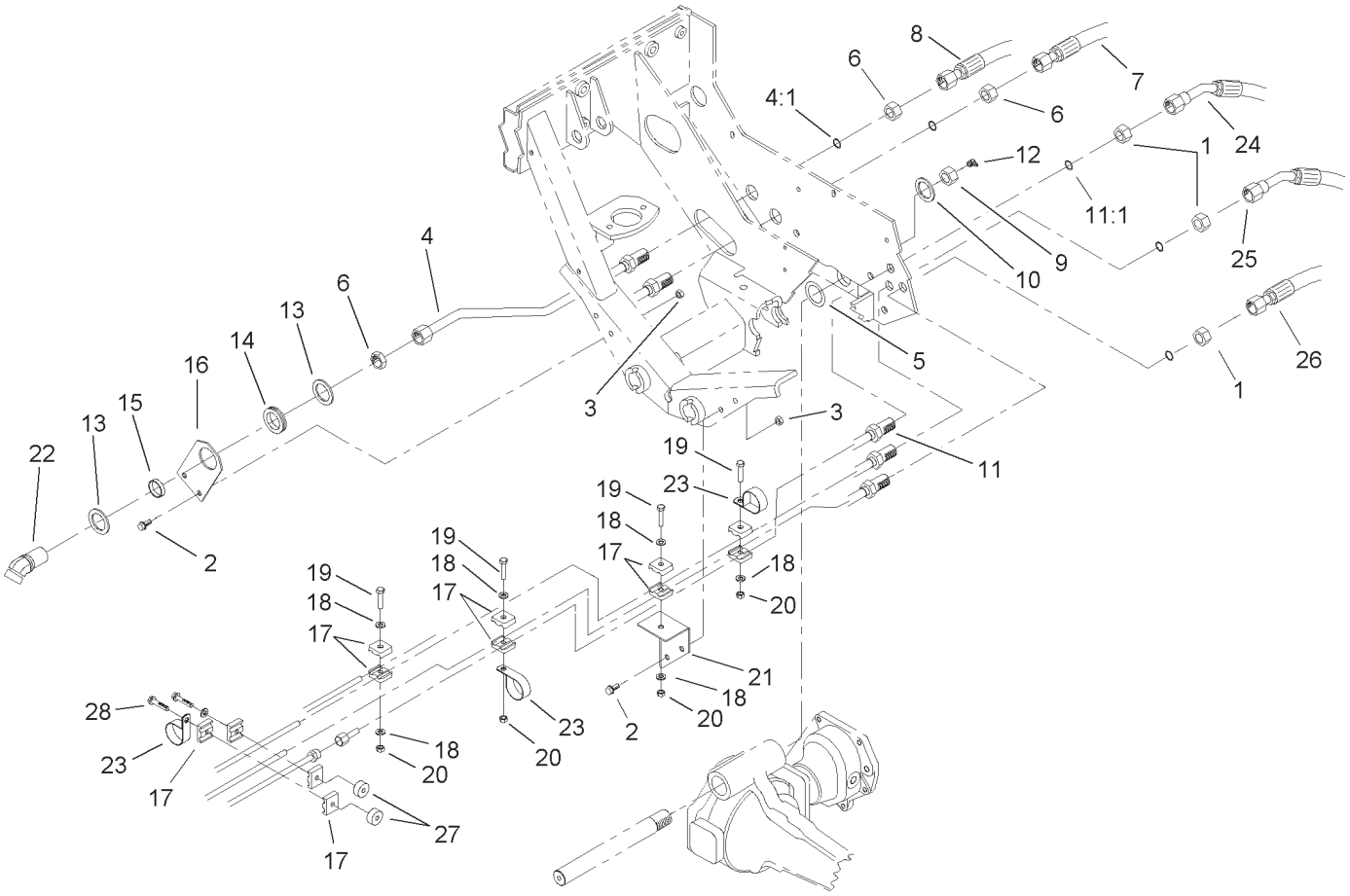


Sheet No.:B5

Water/Fuel Filter Assembly No. 98-9305

Ref. No.	Part No.	Qty.	Description
1	98-9772	1	Head-Filter
2	98-9764	1	Element
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
10	285-22	2	Plug-Pipe

Ref. No.	Part No.	Qty.	Description

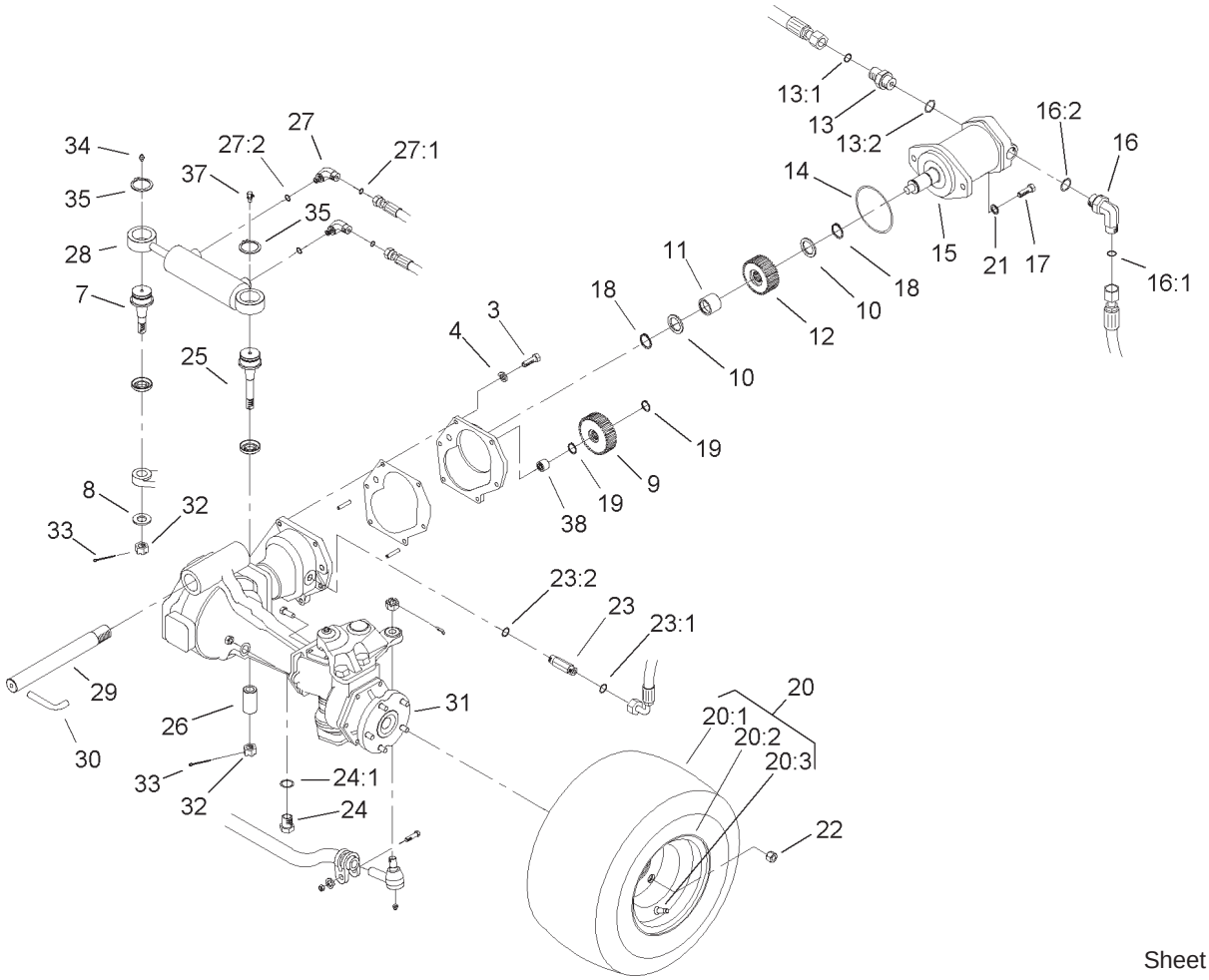


Sheet No.:21

Rear Hydraulic Assembly

Ref. No.	Part No.	Qty.	Description
1	340-70	3	Nut-Lock
2	323-6	4	Screw-HH
3	32128-21	4	Nut-HF
4	104-3735	1	HYD Tube ASM
4:1	237-58	1	O-Ring
5	98-3867	2	Washer-Thrust
6	340-126	3	Nut-Bulkhead
7	92-7537	1	Hose ASM
8	92-7536	1	Hose ASM
9	3296-68	1	Nut-Lock, NI
10	92-1765	1	Washer-Thrust
11	104-3729	1	HYD Tube Drain ASM
11:1	237-22	1	O-Ring
12	302-33	1	Fitting-Grease
13	69-8910	2	Washer
14	240-7	1	Grommet-Rubber
15	69-8900	1	Spacer
16	104-3774-03	1	Bracket-Bulkhead
17	56-7973	12	Clamp-T ube
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	92-7646	1	Fitting-45 °
23	2412-147	4	Clamp
24	92-7534	1	Hose ASM

Ref. No.	Part No.	Qty.	Description
25	92-7539	1	Hose ASM
26	92-7538	1	Hose ASM
27	80-8660	2	Spacer-Coupler
28	32104-37	2	Screw-HWH



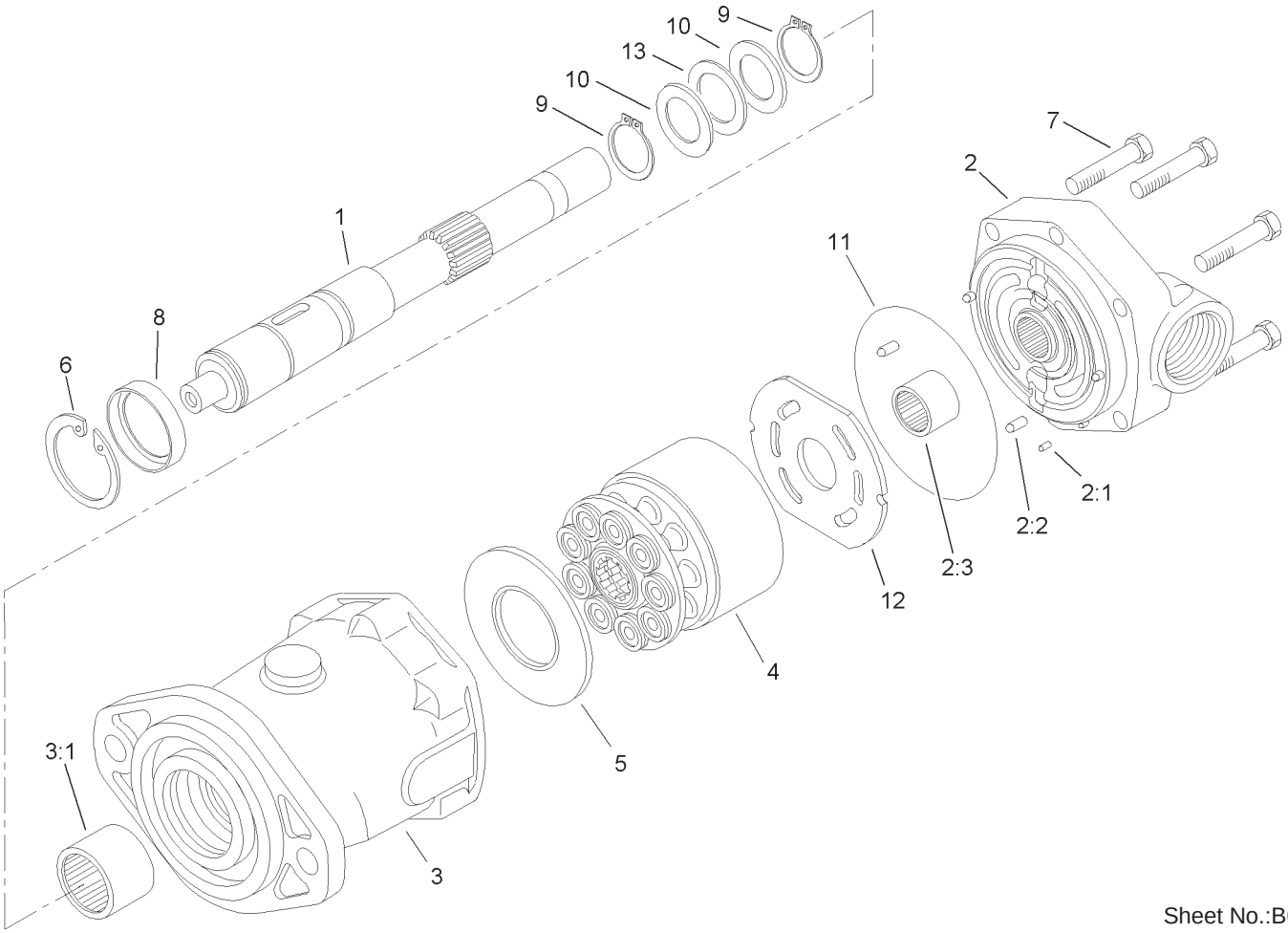
Sheet No.:22

Four Wheel Drive Axle Assembly

Ref. No.	Part No.	Qty.	Description
3	33114-025	6	Screw-HH
4	3253-4	6	Washer-Lock
7	92-5838-01	1	Joint-Ball
8	92-5836	1	Washer
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-HYD, 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	HYD Motor ASM
16	340-142	1	Fitting-HYD, 90°
16:1	237-58	1	O-Ring
16:2	237-81	1	O-Ring
17	325-7	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-V alve
21	3256-26	2	Washer-Flat
22	93-5268	10	Nut-Lug
23	340-2	1	Fitting-HYD, Straight

Ref. No.	Part No.	Qty.	Description
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	HYD 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	3272-11	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



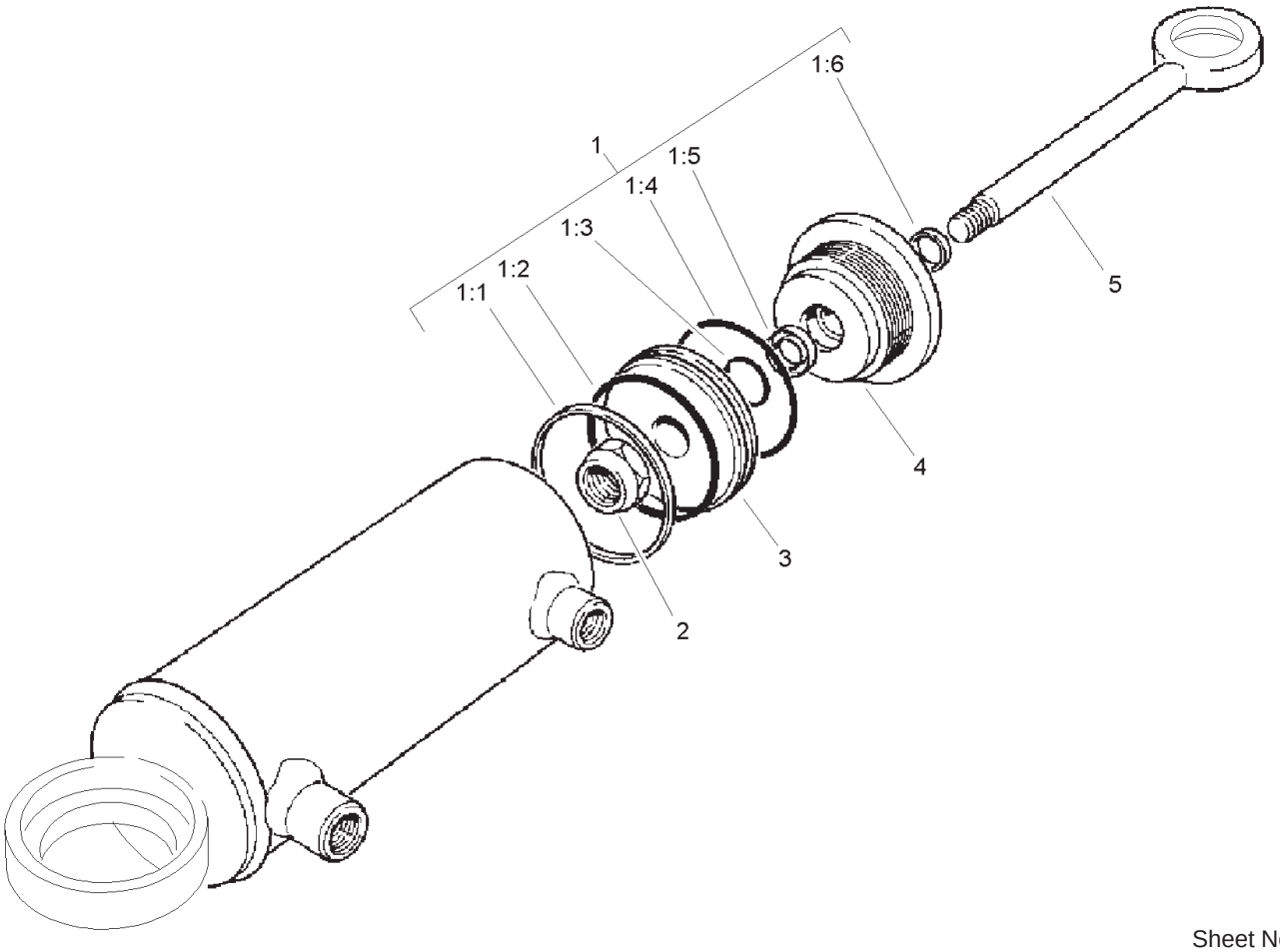
Sheet No.:B6

Hydraulic Motor Assembly No. 92-7386

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-V alve
13	76-6960	1	Bearing-Thrust

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



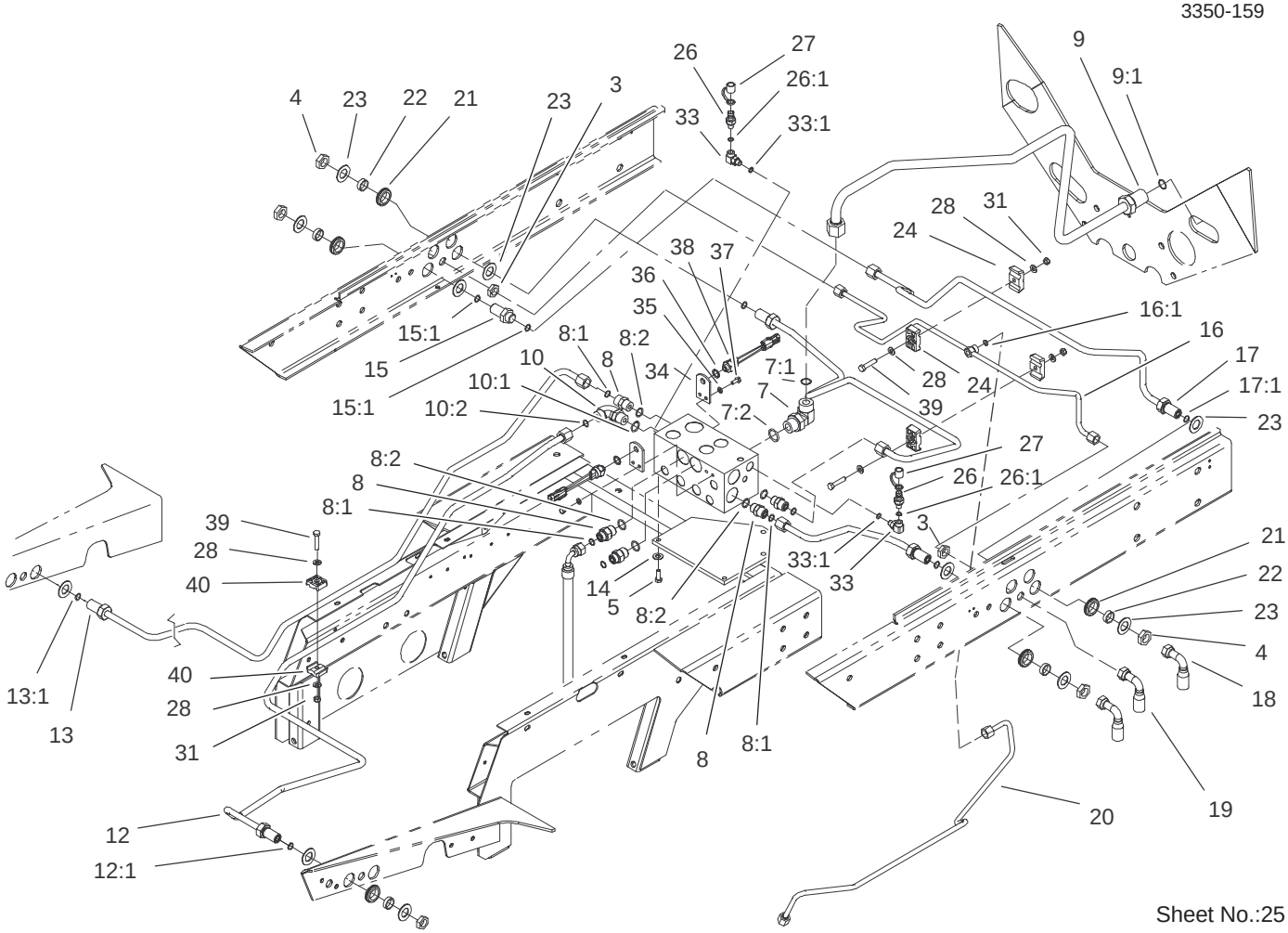
Sheet No.:B7

Hydraulic Cylinder Assembly No. 98-3806

Ref. No.	Part No.	Qty.	Description
1	92-6593	1	Seal Kit
☆1:1		1	Seal
☆1:2		1	O-Ring
☆1:3		1	O-Ring
☆1:4		1	O-Ring
☆1:5		1	U-Cup
☆1:6		1	Wiper
☆2		1	Locknut
☆3		1	Piston
☆4		1	Gland
☆5		1	Rod ASM

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

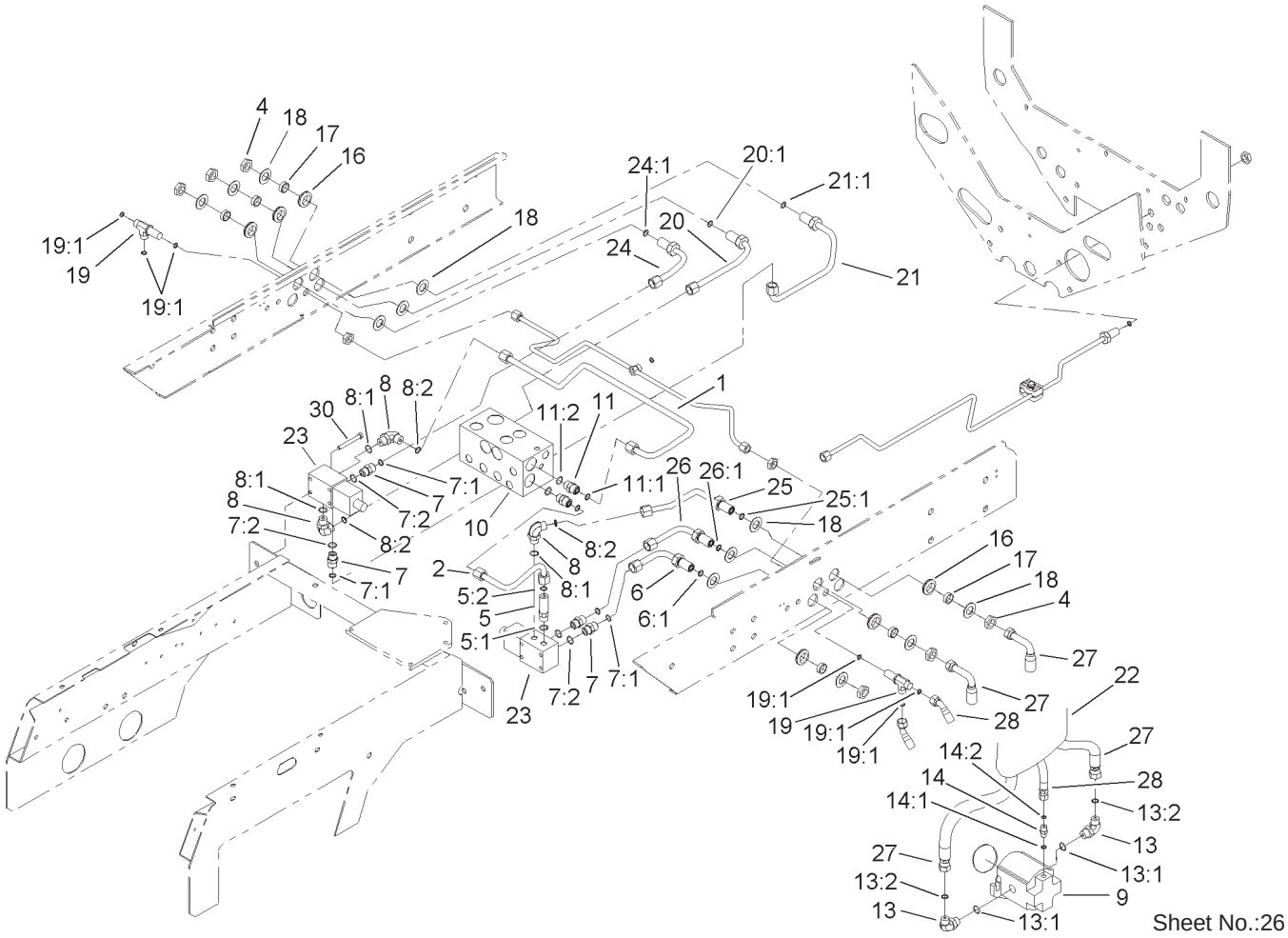


Sheet No.:25

Rear Hydraulic Control Block Assembly

Ref. No.	Part No.	Qty.	Description
3	340-70	2	Nut-Lock
4	340-127	4	Nut-Bulkhead
5	322-4	2	Screw-HH
7	340-142	1	Fitting-HYD, 90°
7:1	237-58	1	O-Ring
7:2	237-81	1	O-Ring
8	340-6	5	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	1	Fitting-HYD, 90°
10:1	237-80	1	O-Ring
10:2	237-30	1	O-Ring
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
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	HYD Hose ASM

Ref. No.	Part No.	Qty.	Description
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	4	Clamp-T ube
26	354-77	2	Fitting-Quick
26:1	237-78	1	O-Ring
27	354-79	2	Cap-Dust
28	3256-23	8	Washer-Flat
31	3296-47	4	Nut-Lock, NI
33	75-6640	2	Fitting-HYD, 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-Ball, N.o.
39	322-7	4	Screw-HH
40	56-7976	4	Clamp-T ube

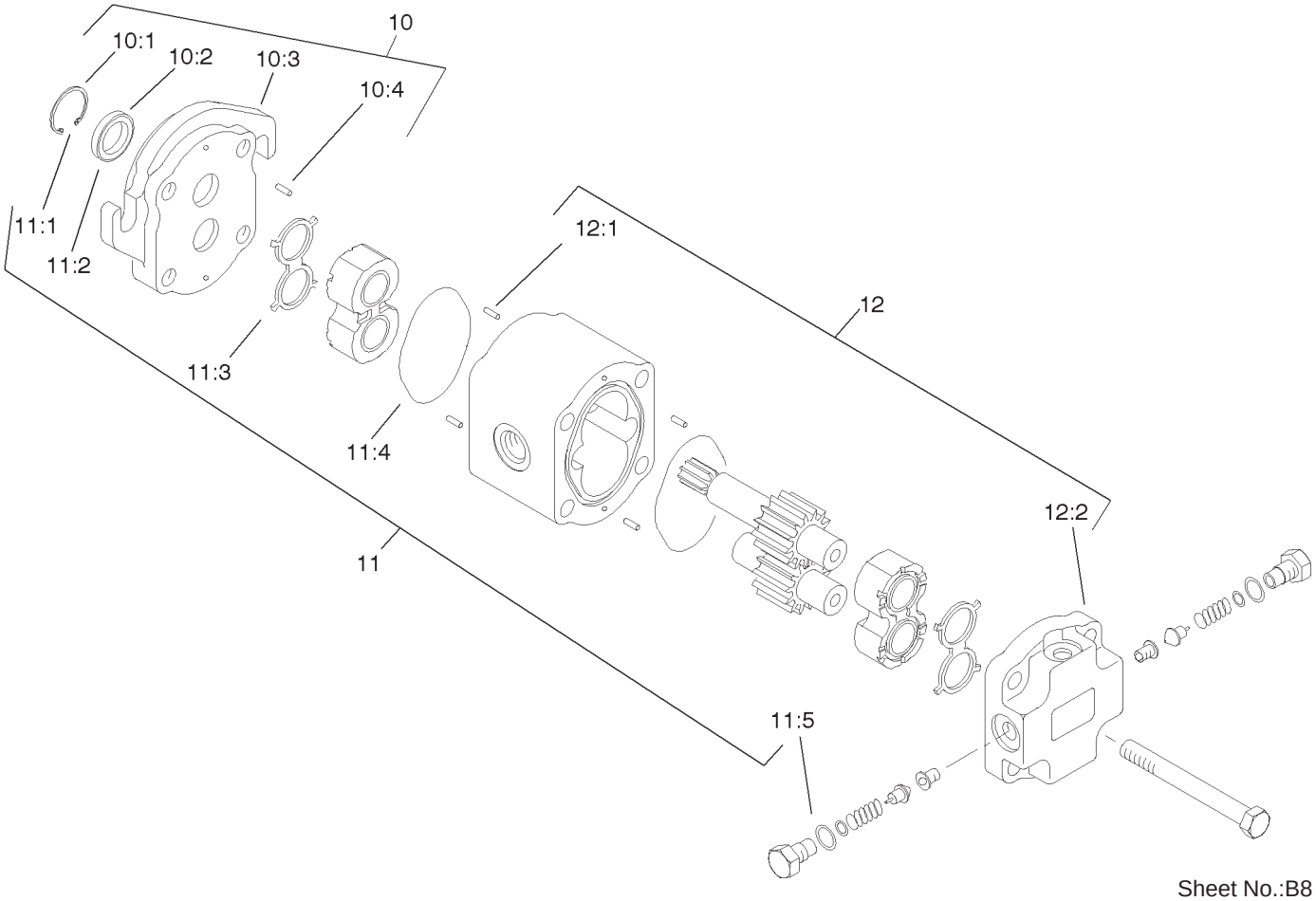


Sheet No.:26

Hydraulic Manifold Mow Block Assembly

Ref. No.	Part No.	Qty.	Description
1	104-3744	1	HYD Tube ASM
2	104-3743	1	HYD Tube ASM
4	340-127	4	Nut-Bulkhead
5	94-2628	1	Adapter-HYD
5:1	237-79	1	O-Ring
5:2	237-30	1	O-Ring
6	104-3725	1	HYD Tube ASM
6:1	237-30	1	O-Ring
7	340-4	4	Fitting-HYD, Sraight
7:1	237-30	1	O-Ring
7:2	237-79	1	O-Ring
8	340-98	3	Fitting-HYD, 90°
8:1	237-79	1	O-Ring
8:2	237-30	1	O-Ring
9	98-9999	2	HYD Motor ASM
10	105-0105	1	Block-Mow
11	340-6	2	Fitting-HYD, Straight
11:1	237-30	1	O-Ring
11:2	237-80	1	O-Ring
13	340-98	4	Fitting-HYD, 90°
13:1	237-79	1	O-Ring
13:2	237-30	1	O-Ring
14	340-92	2	Fitting-HYD, Straight
14:1	237-78	1	O-Ring
14:2	237-21	1	O-Ring
16	240-5	4	Grommet

Ref. No.	Part No.	Qty.	Description
17	69-8960	4	Spacer
18	69-8930	8	Washer
19	340-68	2	Fitting-Tee, Bulkhead
19:1	237-22	3	O-Ring
20	104-3720	1	HYD Tube ASM
20:1	237-30	1	O-Ring
21	104-3721	1	HYD Tube ASM
21:1	237-30	1	O-Ring
22	100-3814	2	Sleeve-Protective
23	76-9970	2	4wd Valve ASM
24	104-3722	1	HYD Tube ASM
24:1	237-30	1	O-Ring
25	104-3727	1	HYD Tube ASM
25:1	237-30	1	O-Ring
26	104-3726	1	HYD Tube ASM
26:1	237-30	1	O-Ring
27	105-7900	4	HYD Hose ASM
28	94-1433	2	HYD Hose ASM
30	322-13	4	Screw-HH



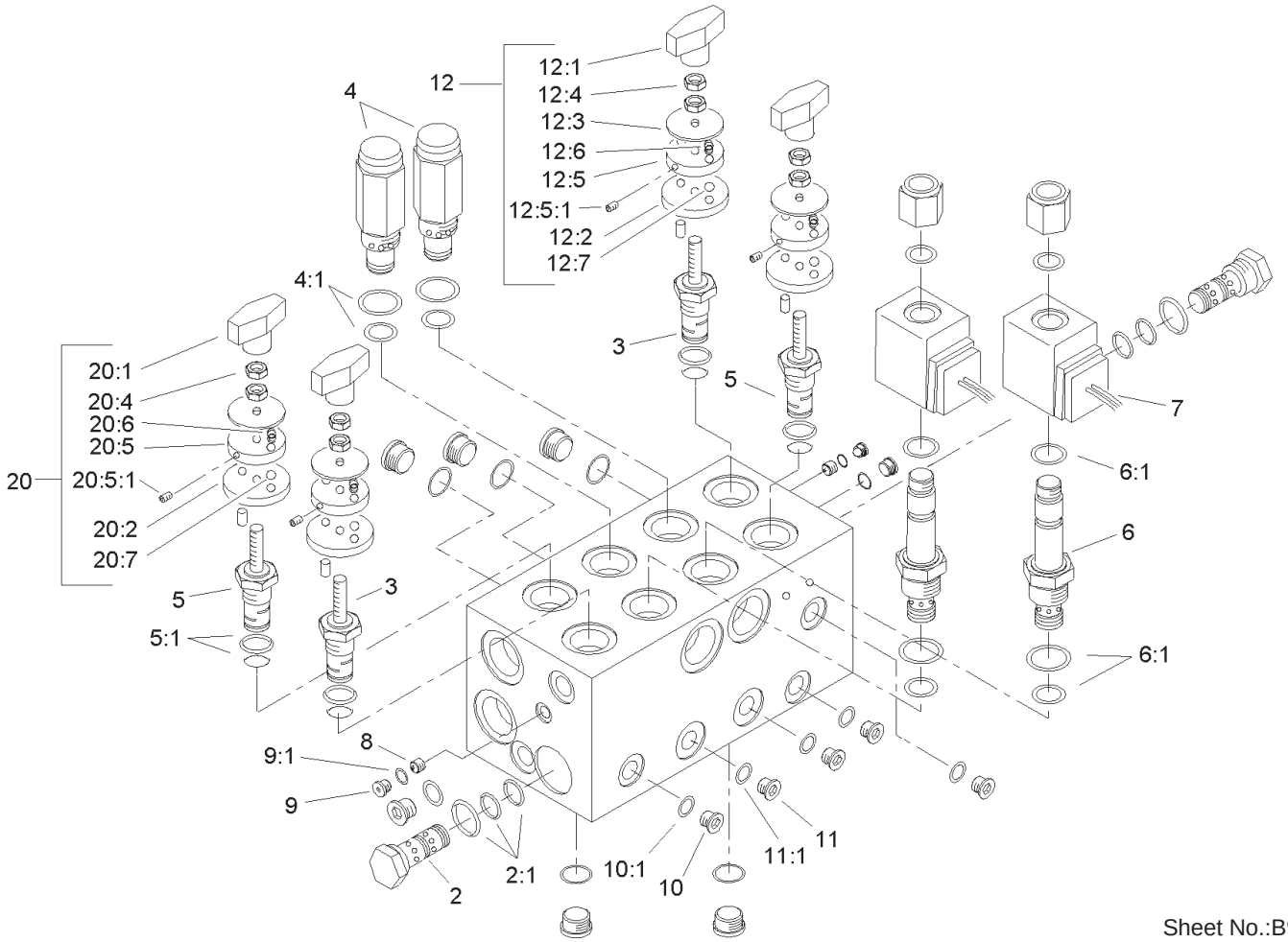
Sheet No.:B8

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-V alve

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

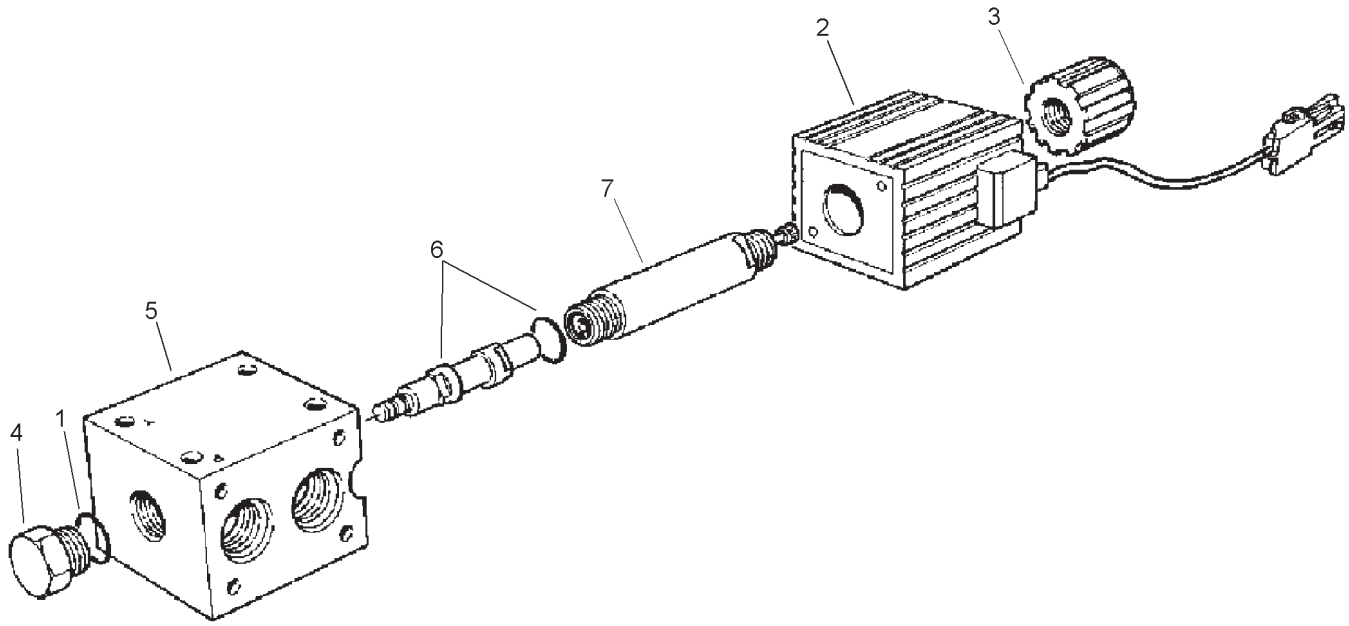


Sheet No.:B9

Mow Block Assembly No. 105-0105

Ref. No.	Part No.	Qty.	Description
2	69-4120	2	Cartridge-Logic
2:1	69-4240	1	Seal Kit
3	94-8175	2	Control-Flow , Rotary
4	94-3655	2	Valve-Relief
4:1	75-2080	1	Seal Kit
5	94-3657	2	Spool ASM
5:1	94-3661	1	4-W ay Seal Kit
6	93-7494	2	Cartridge
6:1	75-2080	1	Seal Kit
7	83-2010	2	Coil-V alve
8	95-5999	2	Plug-Orifice
9	353-991	4	Plug-Hex, Hollow
9:1	237-156	1	O-Ring
10	353-990	8	Plug
10:1	237-78	1	O-Ring
11	353-989	4	Plug-Hex, Hollow
11:1	237-42	1	O-Ring
12	94-3660	2	Detent Kit
12:1	94-5020	1	Knob ASM
12:2	94-5025	1	Plate-Locating
12:3	94-5026	1	Plate-Indicator
12:4	3218-1	2	Nut-Jam
12:5	94-5023	1	Plate-Detent
12:5:1	3245-36	1	Screw-HSH
12:6	94-5027	2	Spring
12:7	255-13	2	Ball-Steel, Stainless

Ref. No.	Part No.	Qty.	Description
20	94-6378	2	Detent Kit
20:1	94-5020	1	Knob ASM
20:2	94-5021	1	Plate-Locating
20:4	3218-1	2	Nut-Jam
20:5	94-5023	1	Plate-Detent
20:5:1	3245-36	1	Screw-HSH
20:6	94-5027	2	Spring
20:7	255-13	2	Ball-Steel, Stainless



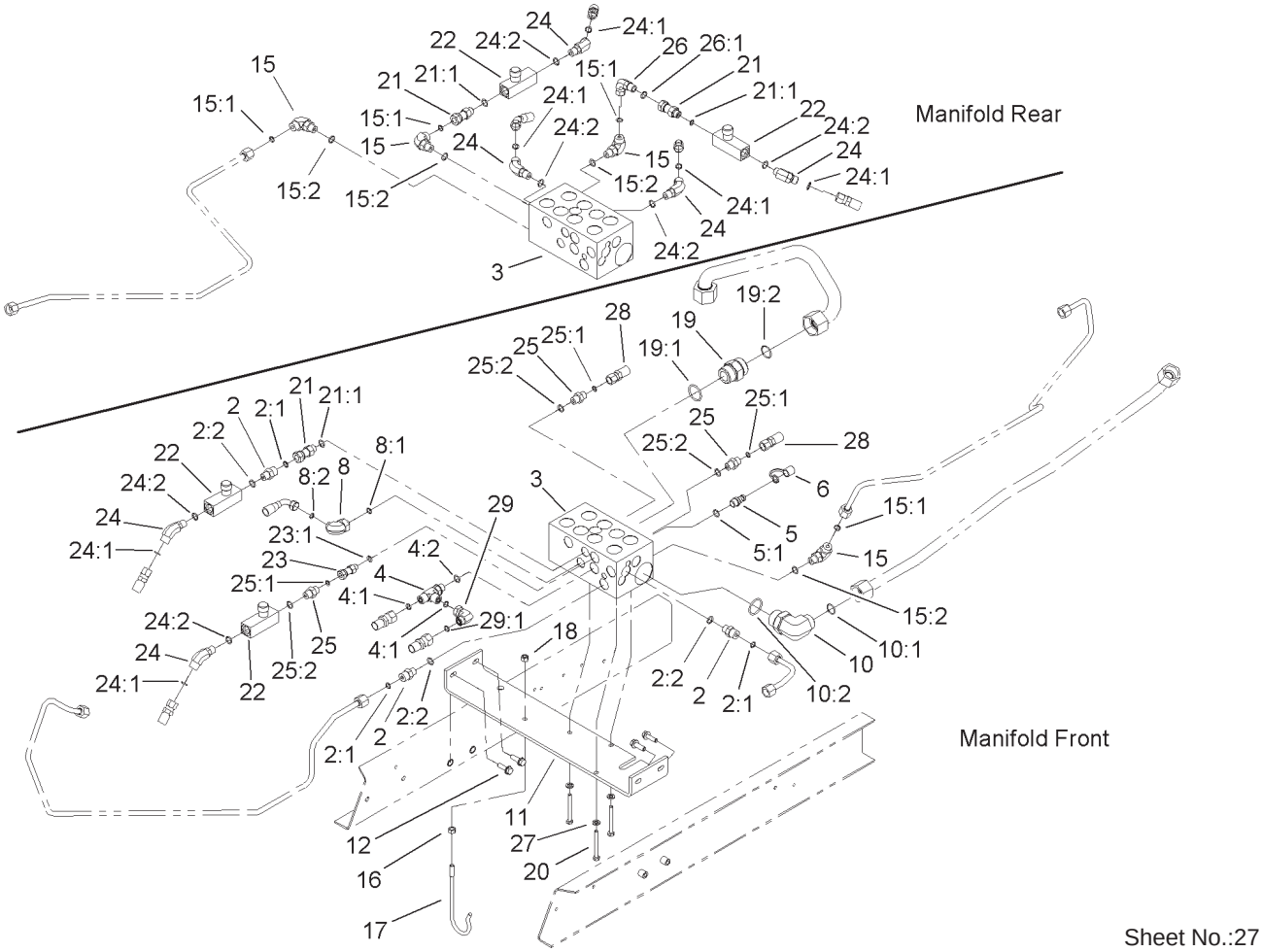
Sheet No.:C1

Four Wheel Drive Valve Assembly No. 76-9970

Ref. No.	Part No.	Qty.	Description
1	237-80	2	O-Ring
2	218-591	1	Coil ASM
3	218-592	1	Nut-Coil
☆4		1	Adapter ASM
☆5		1	Valve-Directional
☆6		1	Spool
☆7		1	Tube ASM

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

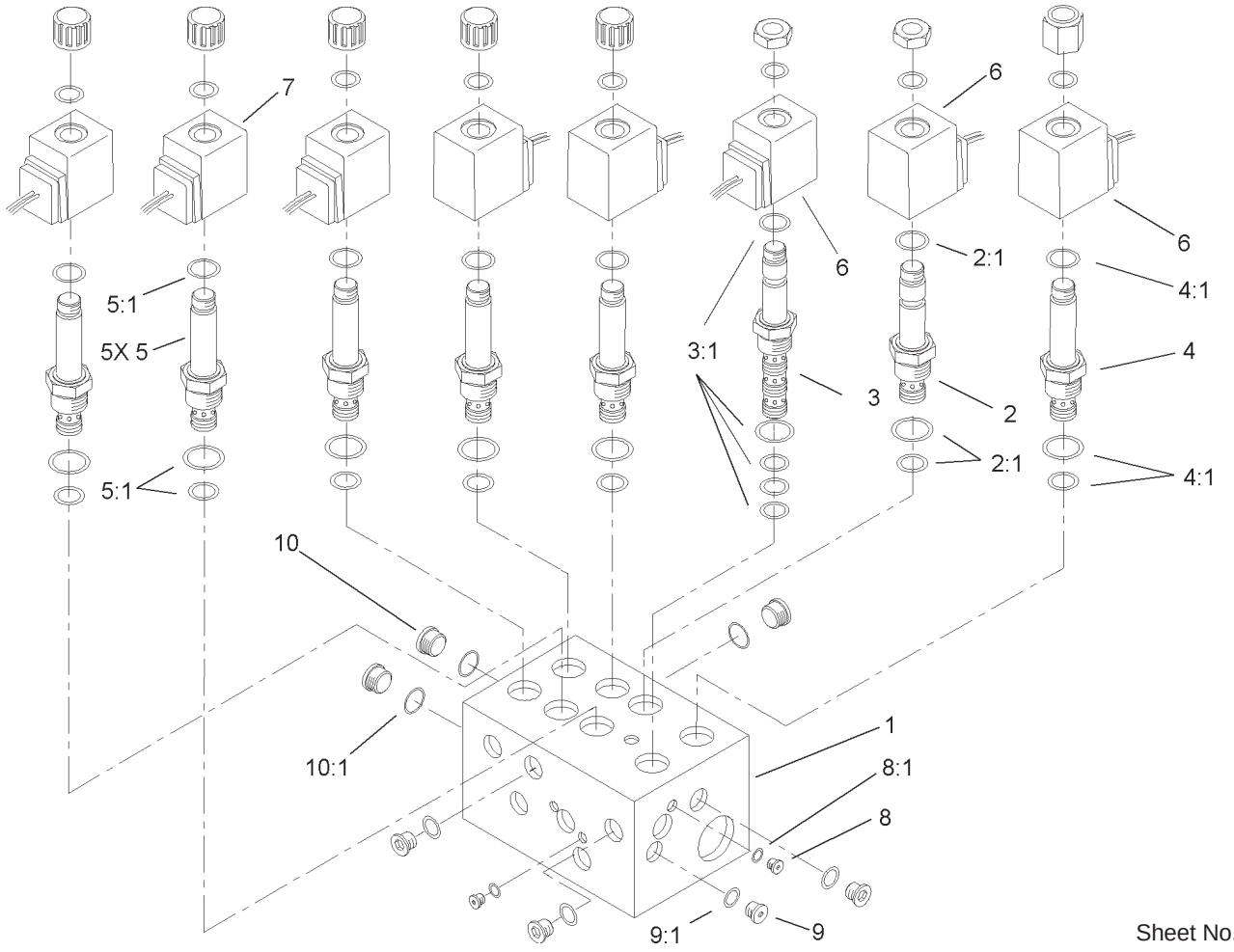


Sheet No.:27

Front Hydraulic Lift Block 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	105-7908	1	Lift Manifold Block ASM
4	340-86	1	Fitting-HYD, Tee
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
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	Fitting-HYD, 90°
10:1	237-58	1	O-Ring
10:2	237-146	1	O-Ring
11	104-3772-01	1	Bracket-Block, Manifold
12	3234-17	4	Screw-HHF
15	340-77	4	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	Hanger-Hose
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	3	Connector-Swivel, Straight
21:1	237-42	1	O-Ring
22	98-9742	4	Valve-Control, Flow
23	104-3777	1	Connector-Swivel, Straight
23:1	237-78	1	O-Ring
24	340-137	6	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
26	340-1 10	1	Fitting-Swivel, 90°
26:1	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



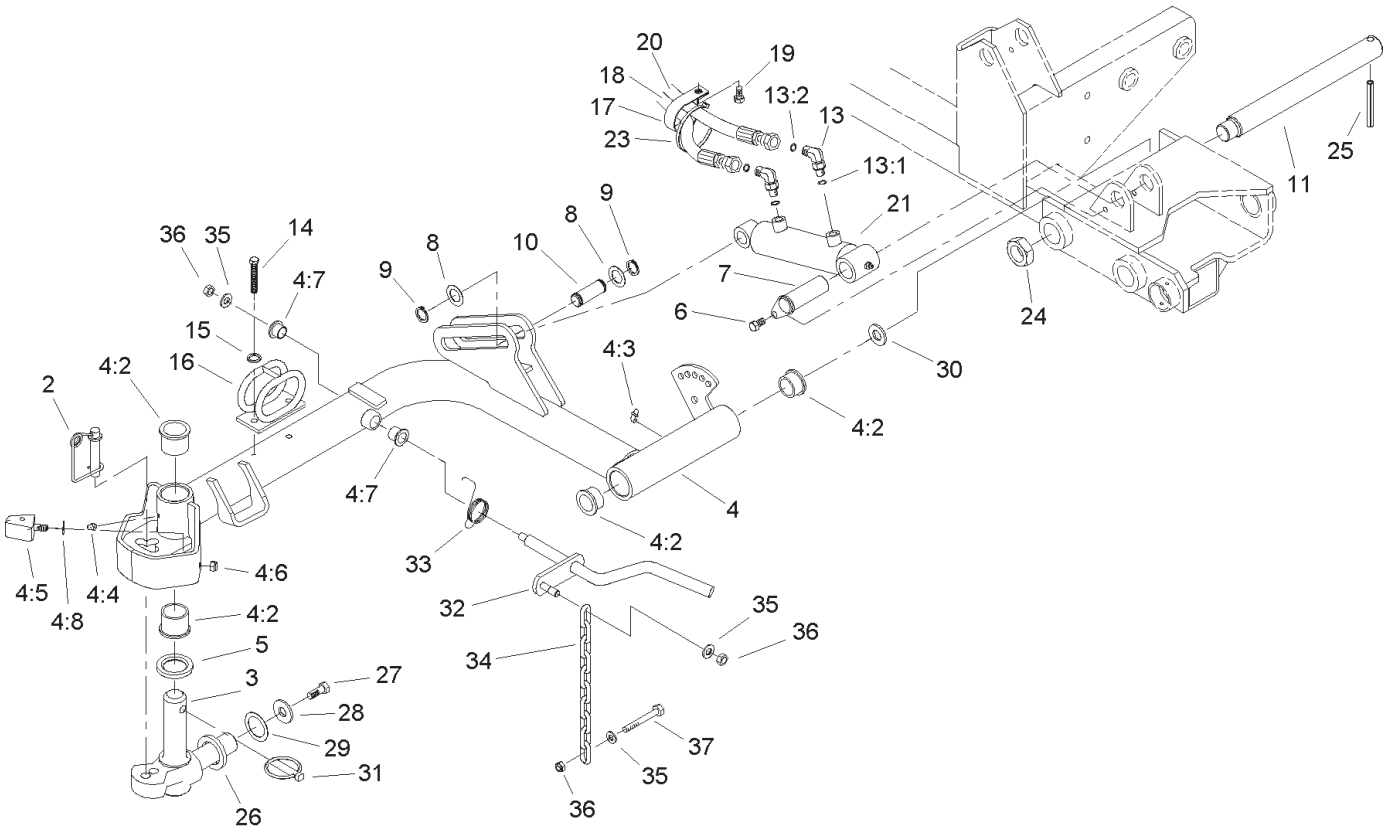
Sheet No.:C2

Lift Block Manifold Assembly No. 105-7908

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	5	Valve-Cartridge, Double Blocking
5:1	105-3334	1	Seal Kit
6	83-2010	3	Coil-Valve
7	105-3328	5	Coil-Solonoid
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

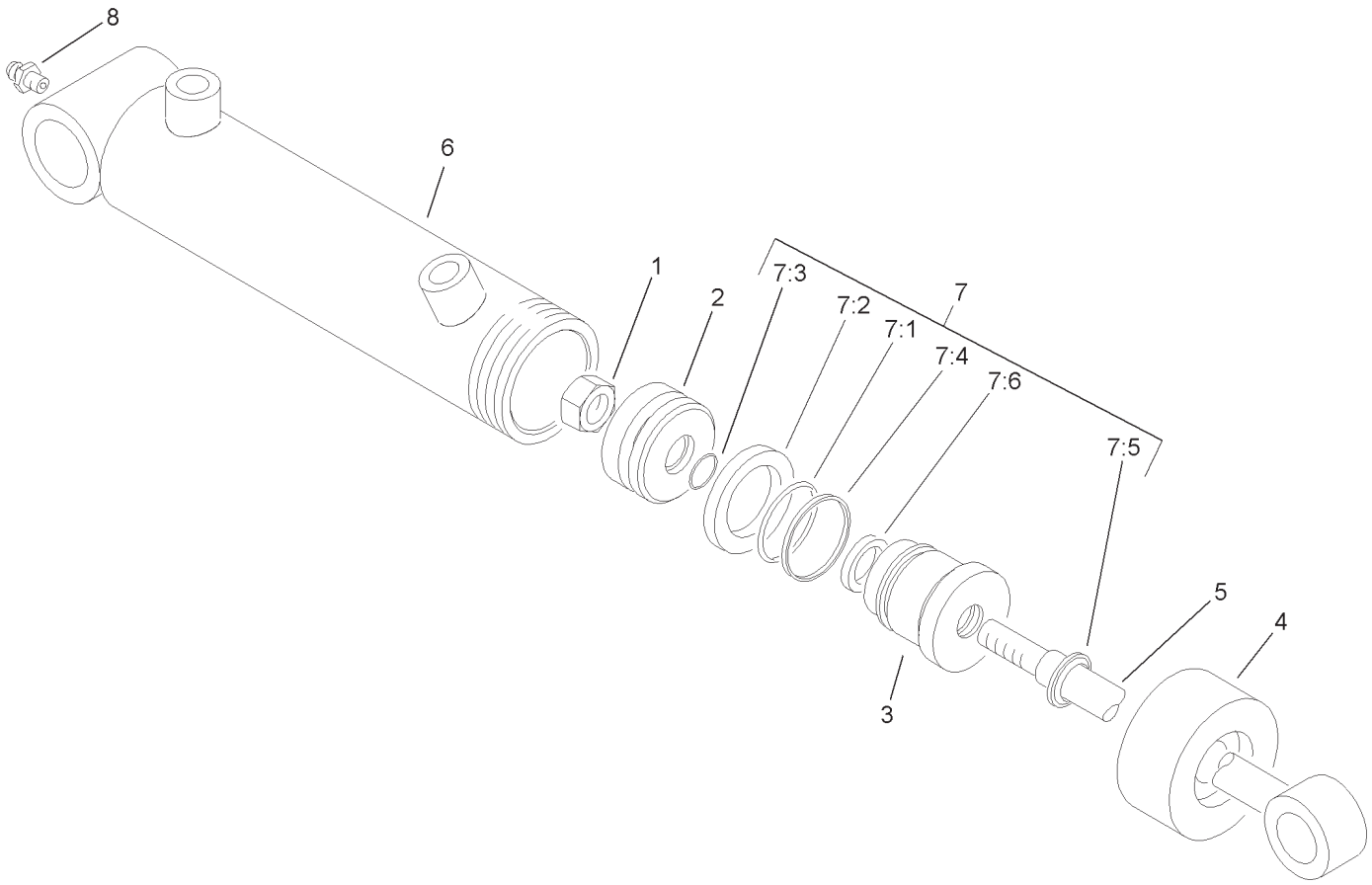


Sheet No.:28

Front No. 1 Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description
2	99-5610	1	Pin
3	98-1880-03	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	106-9004	2	Bumper
4:6	3296-29	2	Nut-Lock, NI
4:7	256-287	2	Bushing
4:8	3255-8	2	Washer-Lock
5	94-8946	1	Washer-Thrust
6	32144-14	1	Screw-HWH
7	106-9208	1	Short Cylinder Pin ASM
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

Ref. No.	Part No.	Qty.	Description
19	322-4	1	Screw-HH
20	105-9274	1	HYD Hose ASM
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-Pivot, Front
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



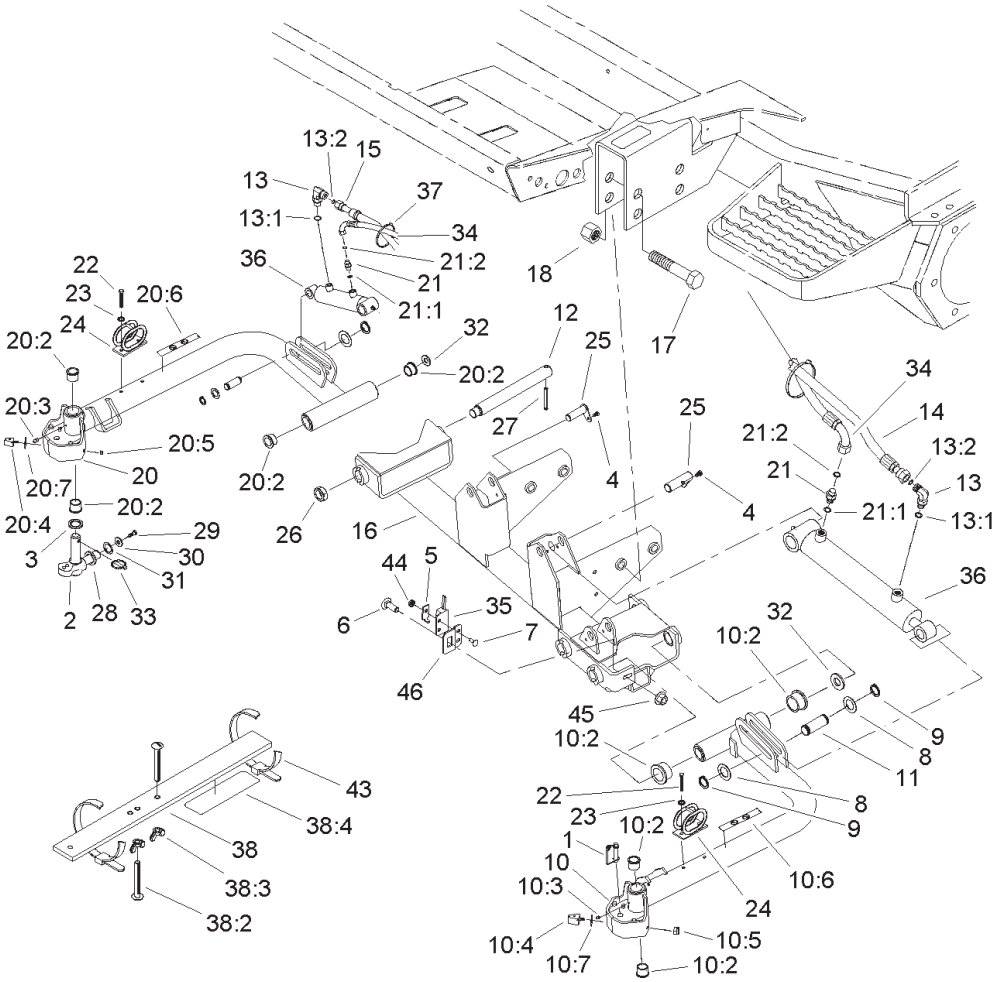
Sheet No.:C3

Lift Cylinder Assembly No. 93-2650

Ref. No.	Part No.	Qty.	Description
☆1		1	Locknut
☆2		1	Piston
☆3		1	Head
☆4		1	Collar
☆5		1	Shaft
☆6		1	Barrel
7	86-7330	1	Seal Kit
☆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

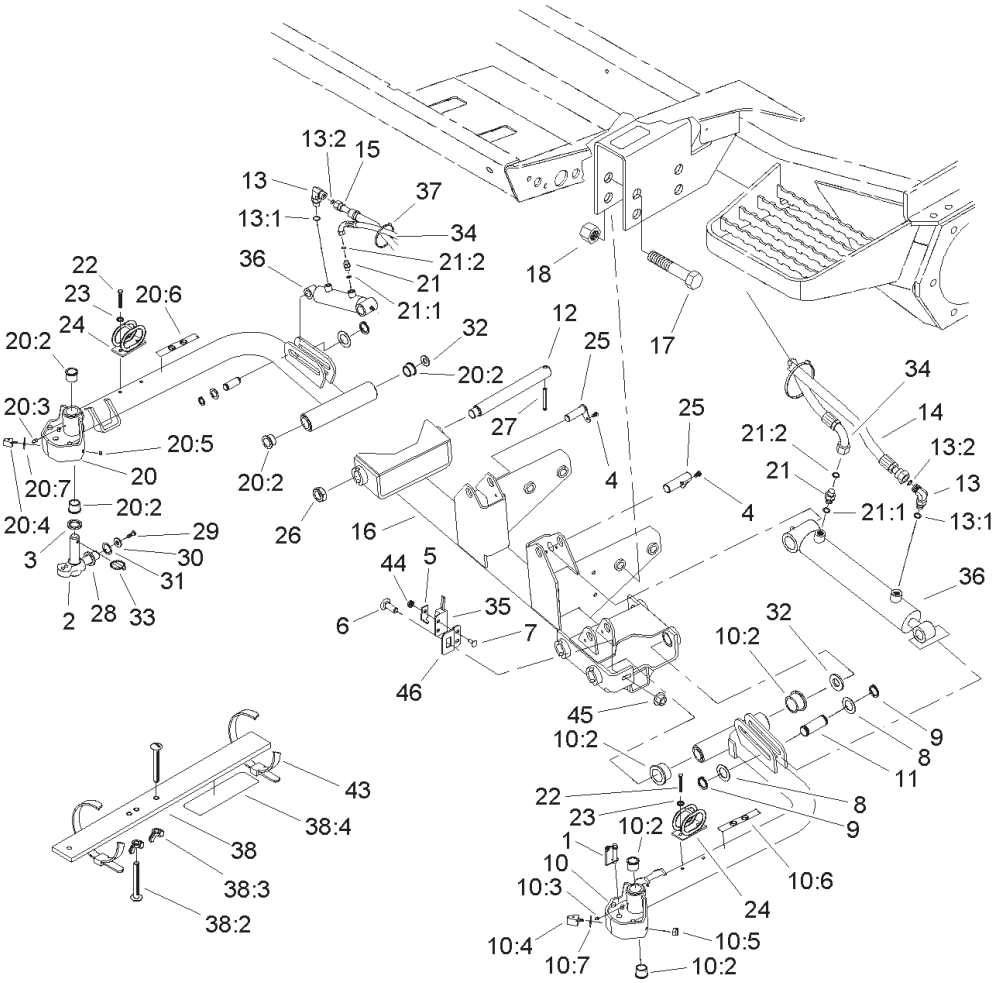


Sheet No.:29

Front No. 4 and No. 5 Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	99-5610	2	Pin
2	98-1880-03	2	Knuckle-Pivot
3	94-8946	2	Washer-Thrust
4	32144-14	2	Screw-HWH
5	100-4872	1	Plate-Switch, Neutral
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	Lift Arm ASM No. 4
10:2	104-0015	4	Bushing-Flange
10:3	302-5	2	Fitting-Grease
10:4	106-9004	2	Bumper
10:5	3296-29	2	Nut-Lock, NI
10:6	93-6687	1	Decal-No Step
10:7	3255-8	2	Washer-Lock
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
20	105-0110	1	Lift Arm ASM No. 5
20:2	104-0015	4	Bushing-Flange
20:3	302-5	2	Fitting-Grease
20:4	106-9004	2	Bumper
20:5	3296-29	2	Nut-Lock, NI
20:6	93-6687	1	Decal-No Step
20:7	3255-8	2	Washer-Lock
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	105-9889	2	Cylinder Pin ASM
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	2	HYD Hose ASM
35	100-1270	1	Switch-Proximity
36	99-6986	2	Cylinder-HYD
37	3290-378	2	Tie-Cable

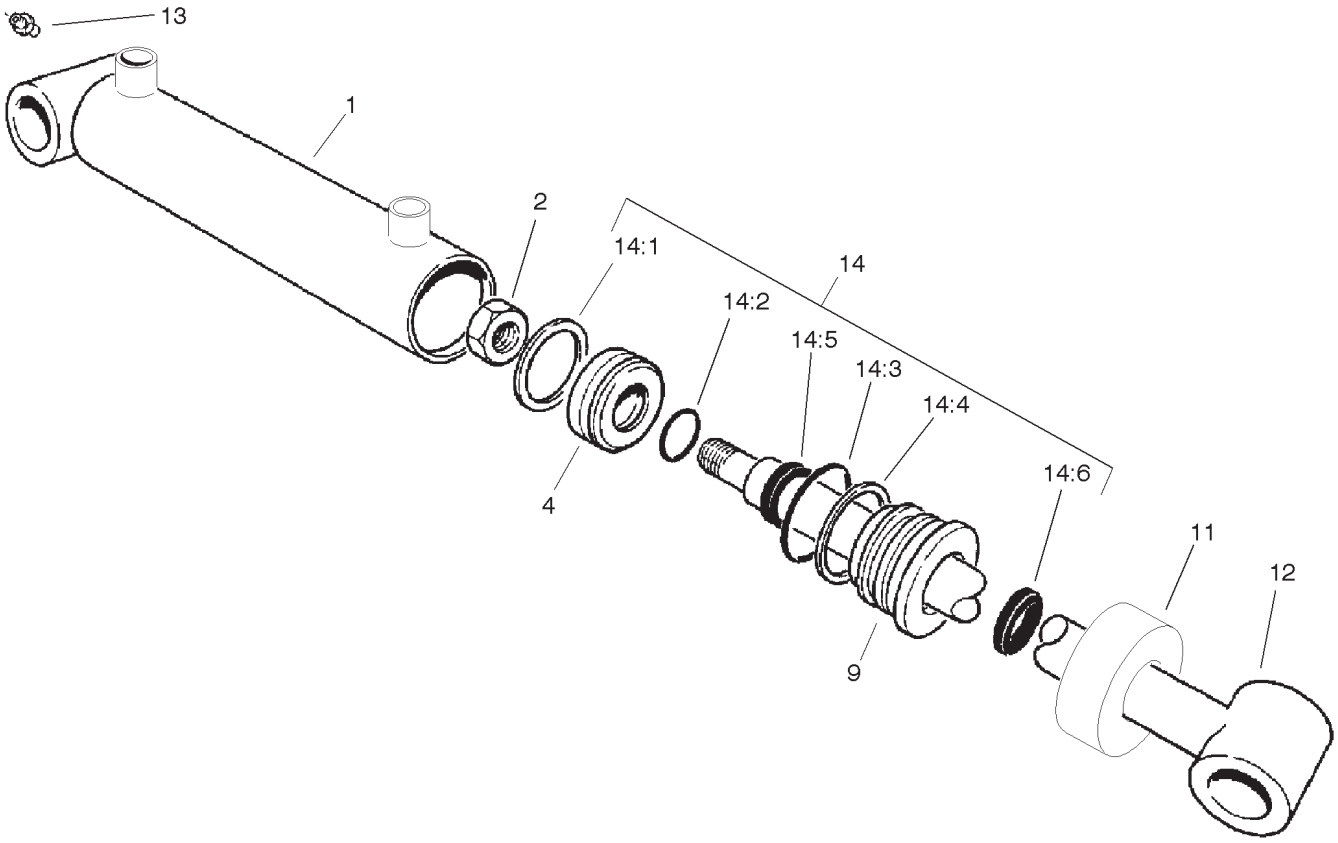


Sheet No.:29

Front No. 4 and No. 5 Lift Arm 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

Ref. No.	Part No.	Qty.	Description



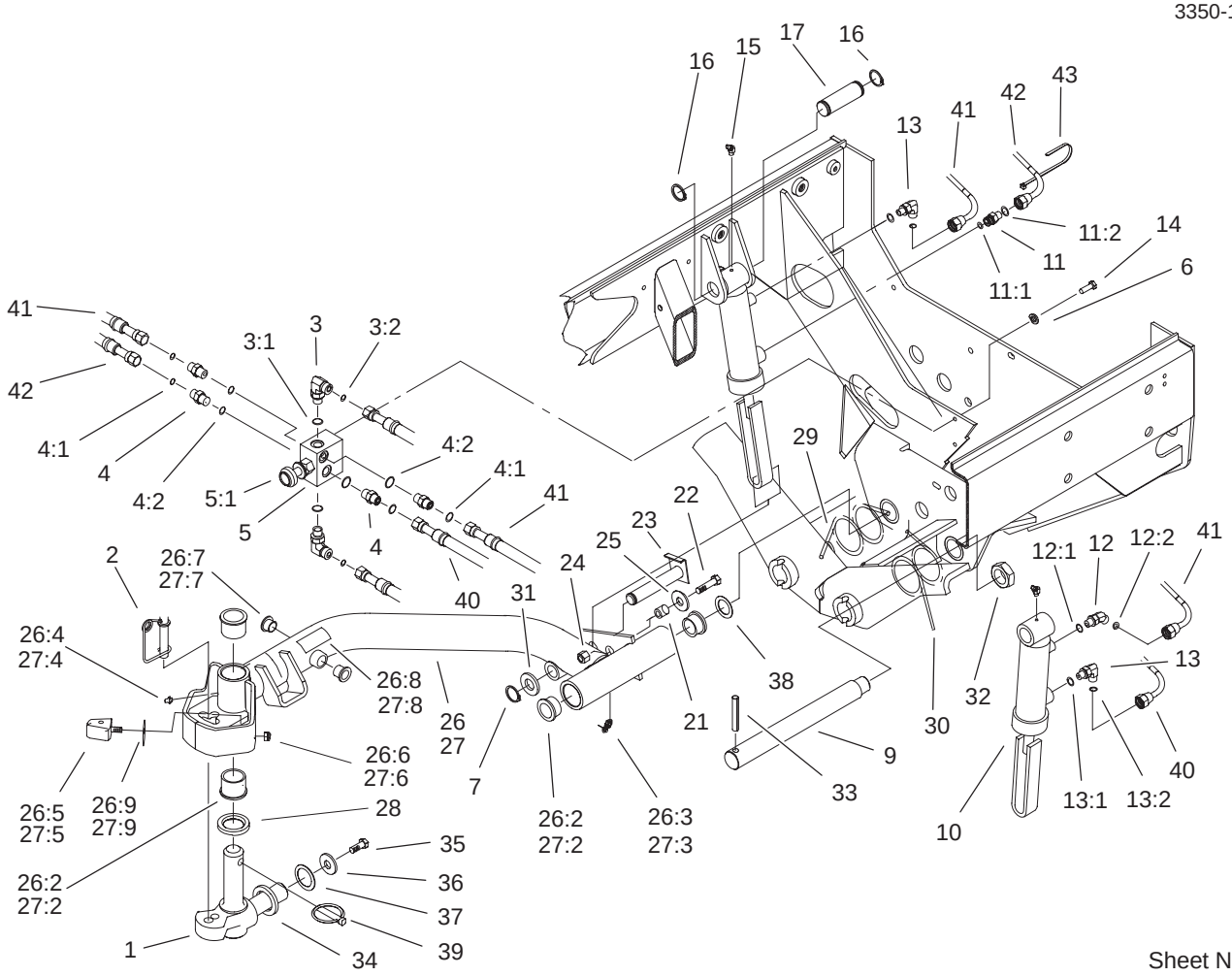
Sheet No.:C4

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	Seal Repair Kit
☆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



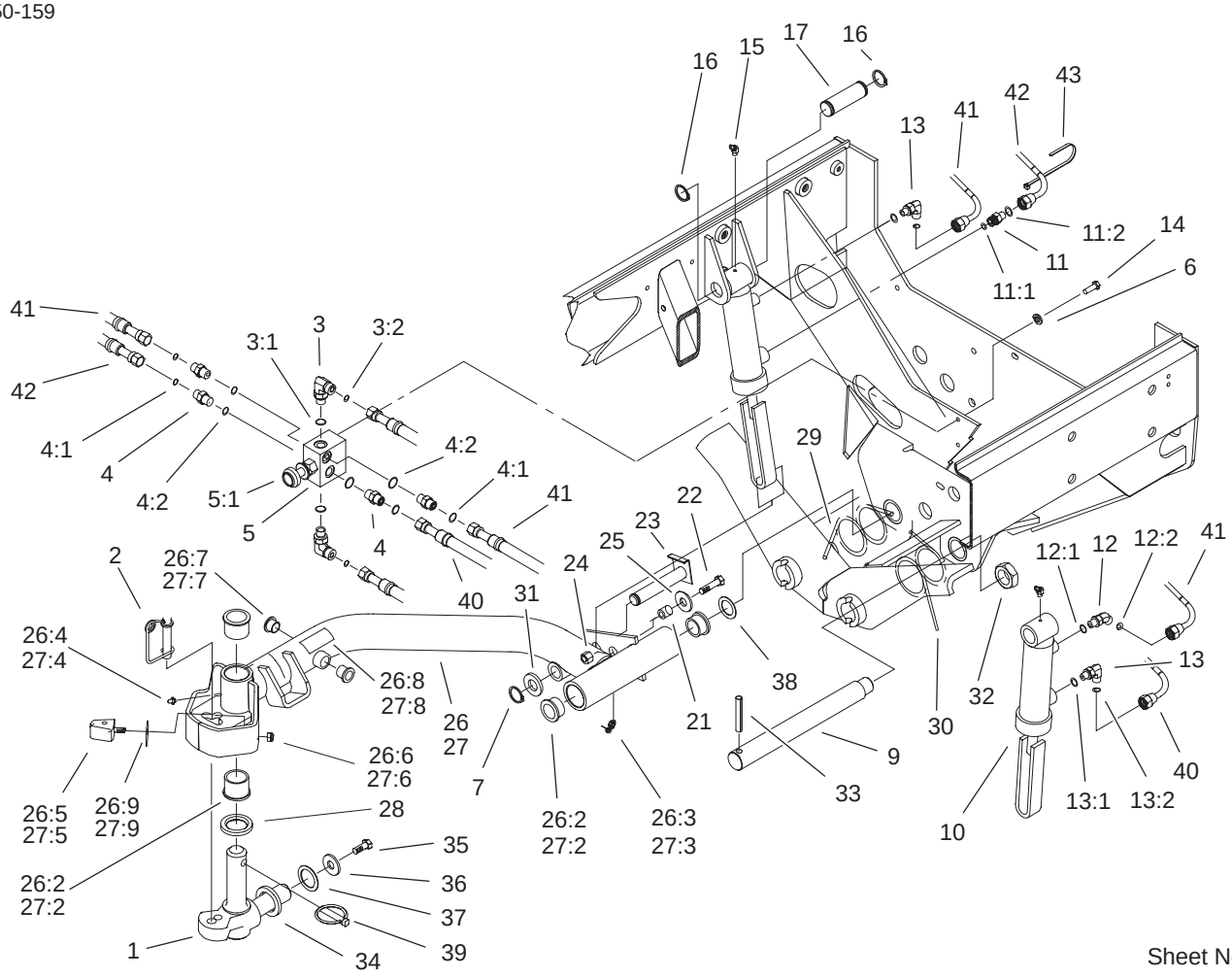
Sheet No.:30

Rear No. 2 and No. 3 Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	98-1880-03	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	107-1800	1	Cartridge Kit
*5:1:1	105-3334	1	Seal Kit
*5:1:2	105-7514	1	Cartridge Knob Kit
6	3253-3	2	Washer-Lock
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

Ref. No.	Part No.	Qty.	Description
15	302-11	2	Fitting-Lube, 45°
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	Lift Arm ASM No. 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	106-9004	2	Bumper
26:6	3296-29	2	Nut-Lock, NI
26:7	256-287	2	Bushing
26:8	93-6696	1	Decal
26:9	3255-8	2	Washer-Lock
27	105-3362	1	Lift Arm ASM No. 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	106-9004	2	Bumper
27:6	3296-29	2	Nut-Lock, NI
27:7	256-287	2	Bushing
27:8	93-6696	1	Decal
27:9	3255-8	2	Washer-Lock

* Not illustrated

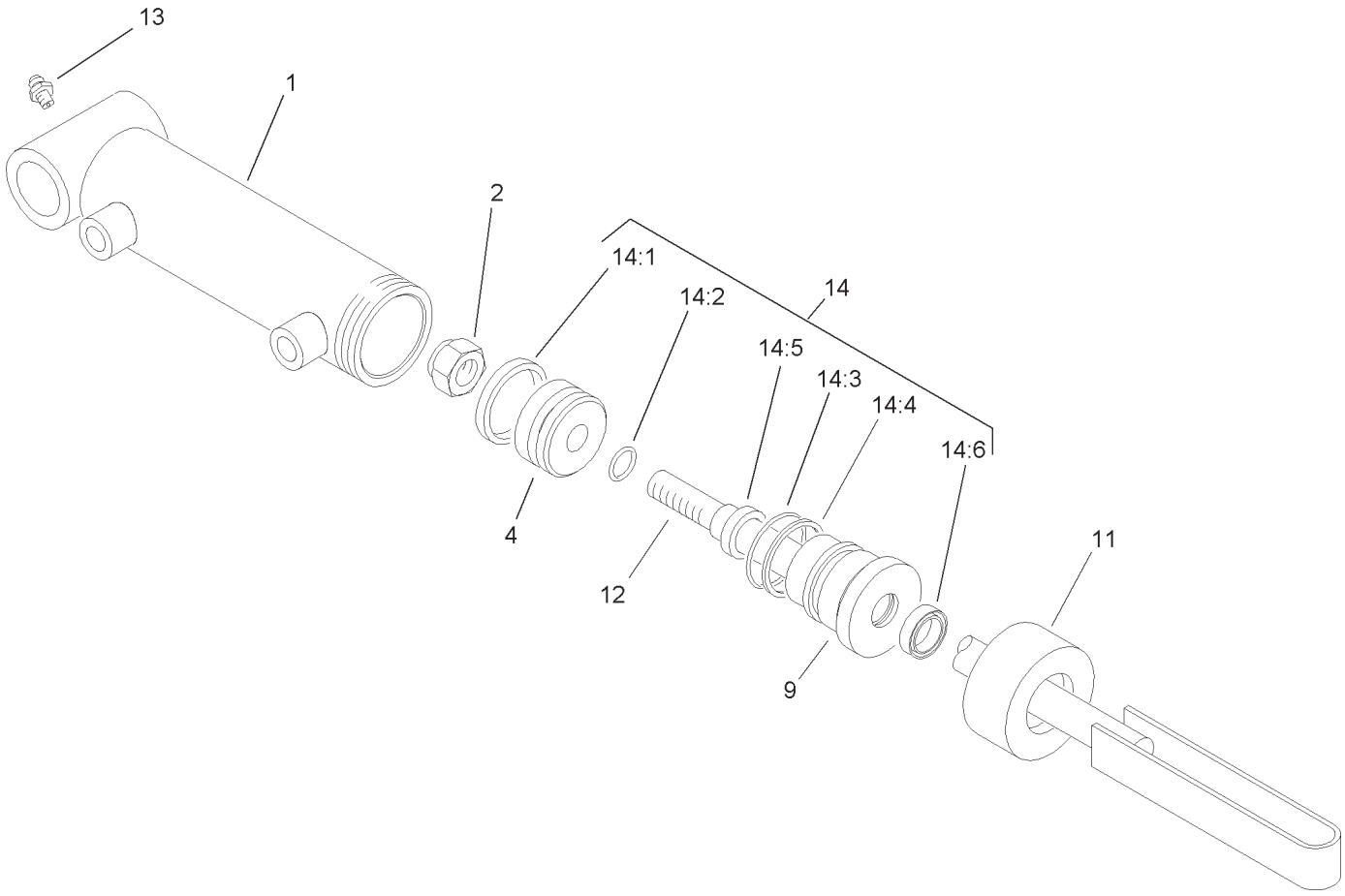


Sheet No.:30

Rear No. 2 and No. 3 Lift Arm Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
28	94-8946	2	Washer-Thrust
29	99-5608	1	Spring-Torsion, RH
30	99-5609	1	Spring-Torsion, LH
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



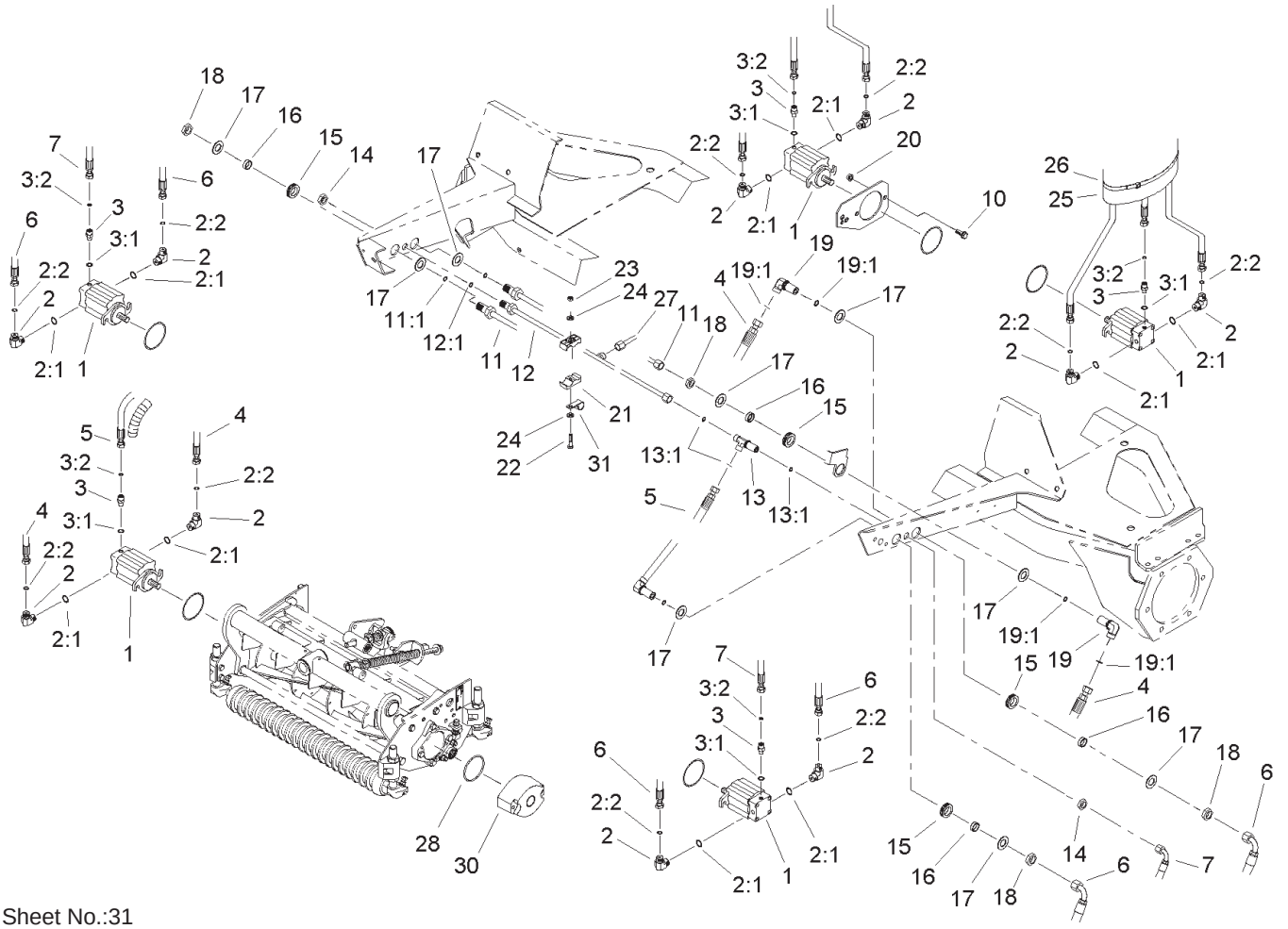
Sheet No.:C5

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	Seal Repair Kit
☆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

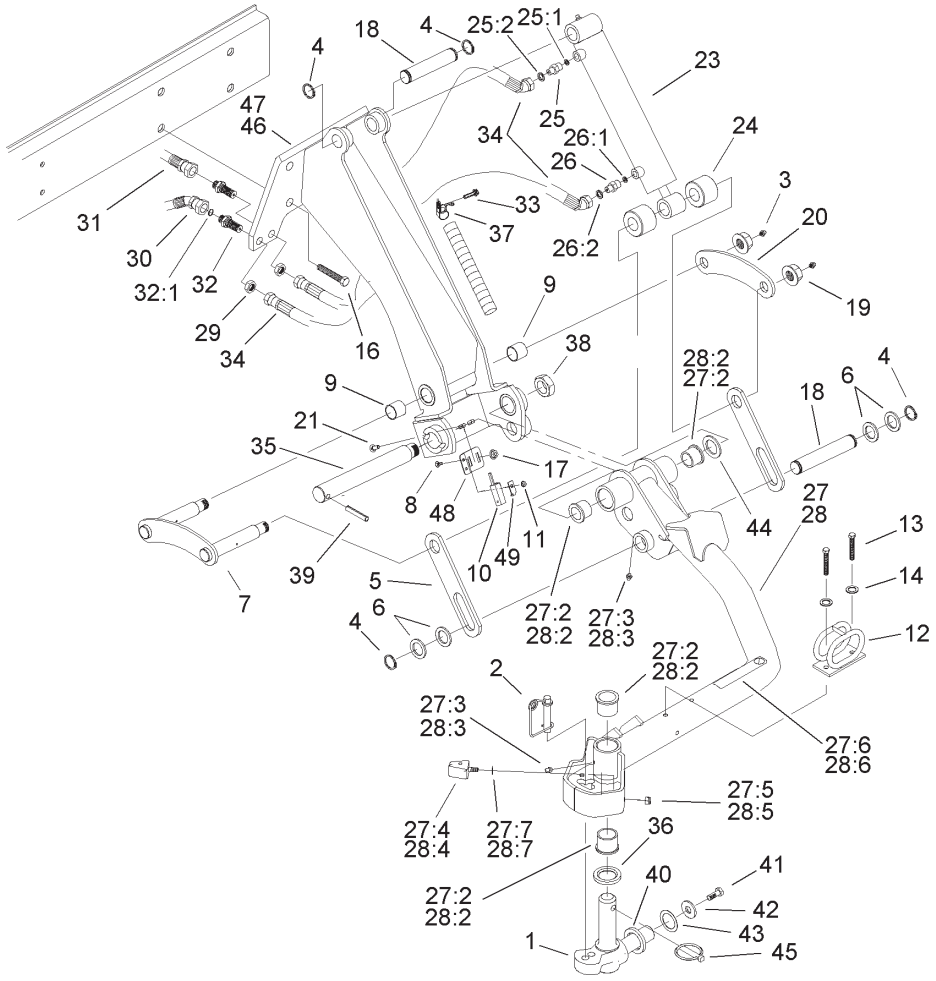


Sheet No.:31

Reel Motor Assembly

Ref. No.	Part No.	Qty.	Description
1	98-9999	5	HYD Motor ASM
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
10	3234-11	14	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	Nut-Lock
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
20	32128-43	14	Nut-Flange

Ref. No.	Part No.	Qty.	Description
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	104-3718	1	Drain Tube ASM
28	93-9783	14	O-Ring
30	105-4011-03	7	Weight-End
31	2412-150	1	J-Clip

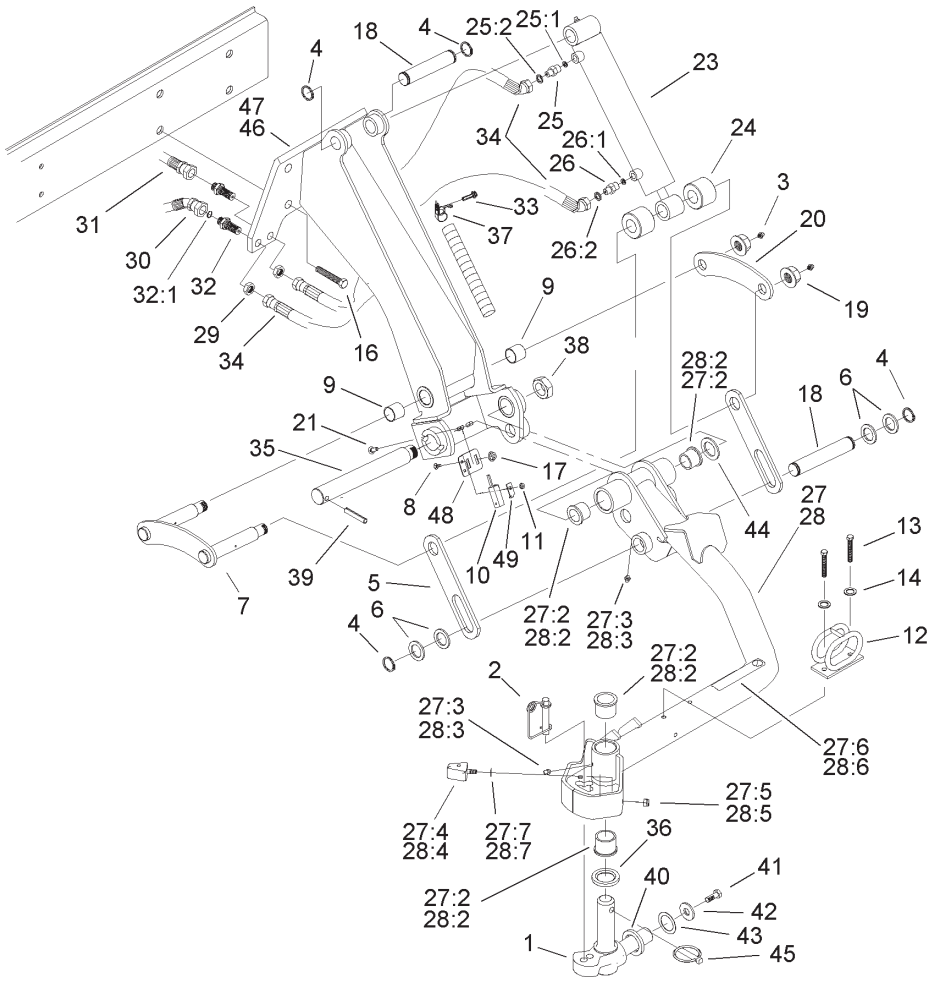


Sheet No.:32

Rear No. 6 and No. 7 Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	98-1880-03	2	Knuckle-Pivot
2	99-5610	2	Pin
3	302-2	4	Fitting-Grease
4	32151-36	8	Ring-Retaining
5	93-2704	4	Link-Left
6	10-81 10	8	Washer-Thrust
7	98-8823	2	Link
8	104-1450	2	Bolt-CARR
9	67-1750	4	Bushing
10	100-1270	2	Switch-Proximity
11	32149-7	2	Nut-Keps
12	99-5621	2	Guide-Hose
13	33114-020	4	Screw-HH
14	3253-4	4	Washer-Lock
16	33108-035	8	Screw-HHF
17	32128-33	4	Nut-HF
18	93-2699	4	Pin
19	33029-00	4	Nut-Lock, NI
20	98-8821	2	Link-Rear
21	3229-28	4	Screw-CARR
23	93-2631	2	Lift Cylinder ASM
24	93-2700	4	Roller-Plastic
25	340-92	2	Fitting-HYD, Straight
25:1	237-78	1	O-Ring
25:2	237-21	1	O-Ring
26	94-1449	2	Fitting

Ref. No.	Part No.	Qty.	Description
26:1	237-78	1	O-Ring
26:2	237-21	1	O-Ring
27	105-3358	1	Lift Arm ASM No. 7
27:2	104-0015	4	Bushing-Flange
27:3	302-5	2	Fitting-Grease
27:4	106-9004	2	Bumper
27:5	3296-29	2	Nut-Lock, NI
27:6	93-6687	1	Decal-No Step
27:7	3255-8	2	Washer-Lock
28	105-3357	1	Lift Arm ASM No. 6
28:2	104-0015	4	Bushing-Flange
28:3	302-5	2	Fitting-Grease
28:4	106-9004	2	Bumper
28:5	3296-29	2	Nut-Lock, NI
28:6	93-6687	1	Decal-No Step
28:7	3255-8	2	Washer-Lock
29	340-78	4	Locknut-Bulkhead
30	104-3740	2	Lift Cylinder Hose ASM
31	104-3747	2	Lift Cylinder Hose ASM
32	94-1444	4	Union Bulkhead
32:1	237-21	2	O-Ring
33	32144-11	6	Screw-T AP
34	92-7643	4	HYD Hose ASM
35	98-8826	2	Pin-Pivot

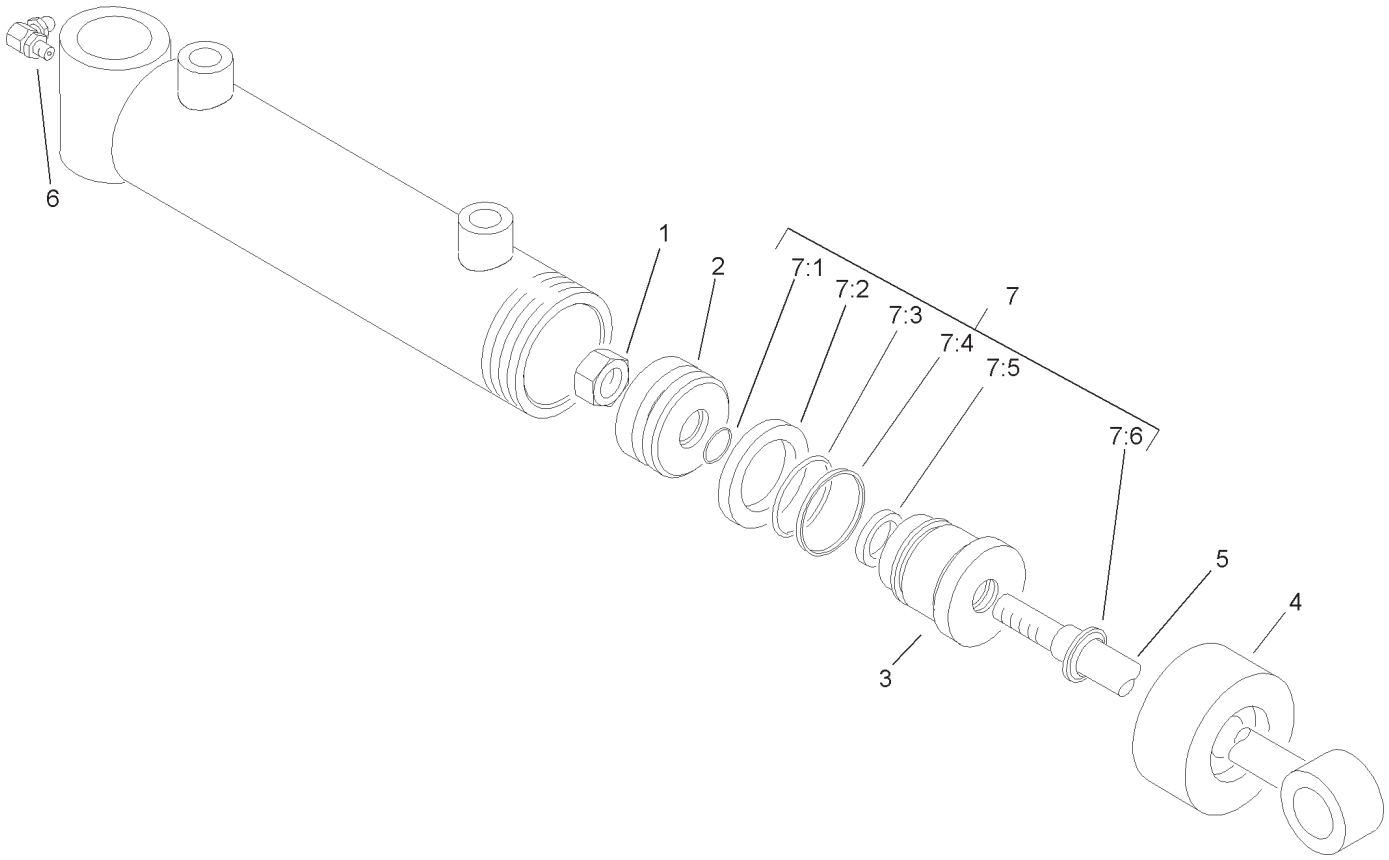


Sheet No.:32

Rear No. 6 and No. 7 Lift Arm Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
36	94-8946	2	Washer-Thrust
37	2412-93	6	Clamp-R
38	3296-49	2	Nut-Lock, NI
39	32121-110	2	Pin-Roll, Slotted
40	98-7974	2	Washer-Thrust
41	98-7993	2	Screw-HHF
42	3256-6	2	Washer-Flat
43	3-6781	2	Washer-Thrust
44	76-2980	2	Washer-Thrust
45	283-71	2	Pin-Lynch
46	105-3342-03	1	No. 7 Support Arm ASM
47	105-3341-03	1	No. 6 Support Arm ASM
48	105-3343	2	Bracket-Switch
49	100-4872	2	Plate-Switch, Neutral

Ref. No.	Part No.	Qty.	Description



Sheet No.:C6

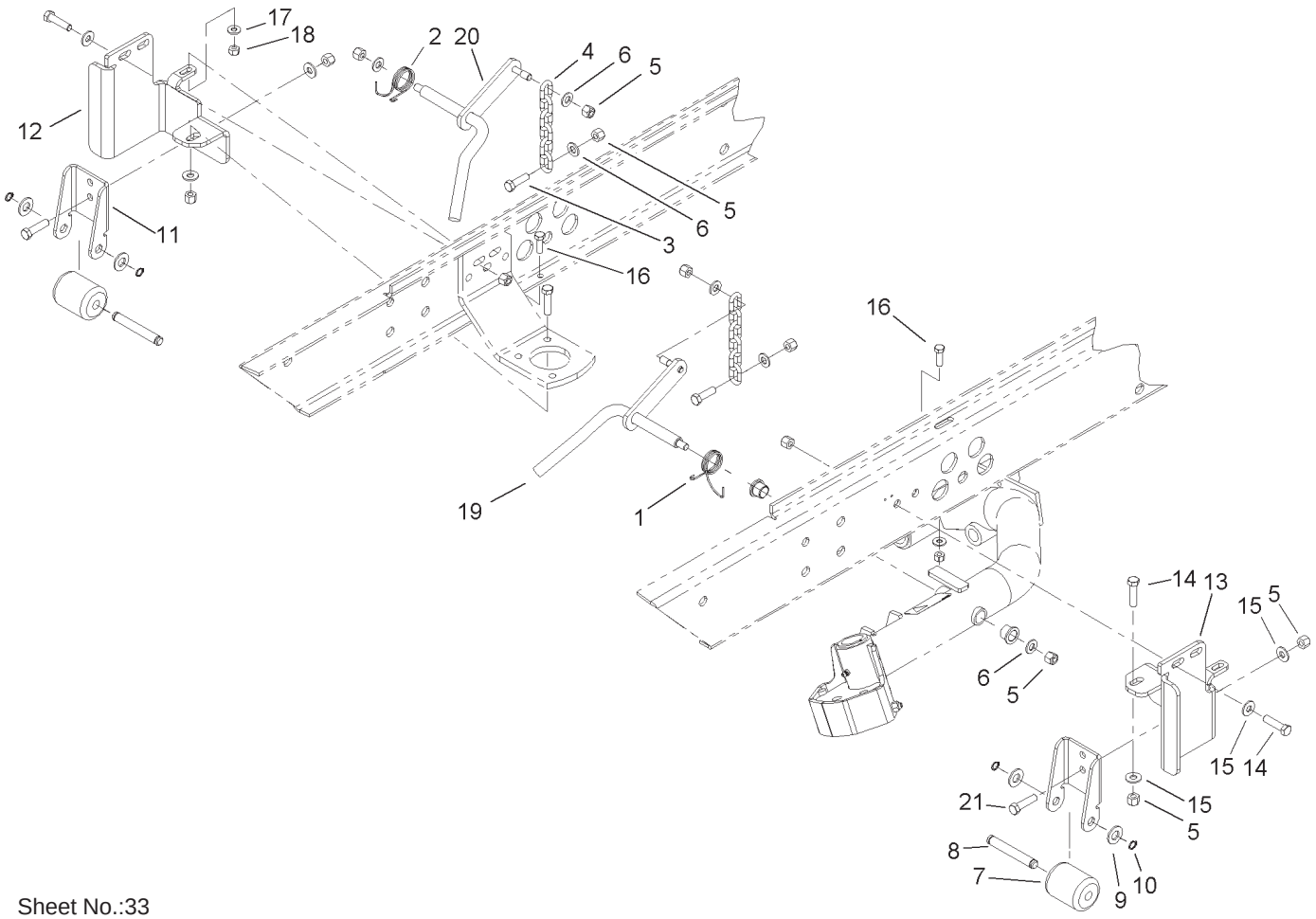
Lift Cylinder Assembly No. 93-2631

Ref. No.	Part No.	Qty.	Description
☆1		1	Nut-Lock
☆2		1	Piston
☆3		1	Head
☆4		1	Collar
☆5		1	Shaft
6	302-33	1	Fitting-Grease
7	94-2608	1	Seal Repair Kit
☆7:1		1	O-Ring
☆7:2		1	Seal-Special
☆7:3		1	O-Ring
☆7:4		1	Seal-Backup
☆7:5		1	Seal-Rod
☆7:6		1	Seal-Dust

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

3350-159

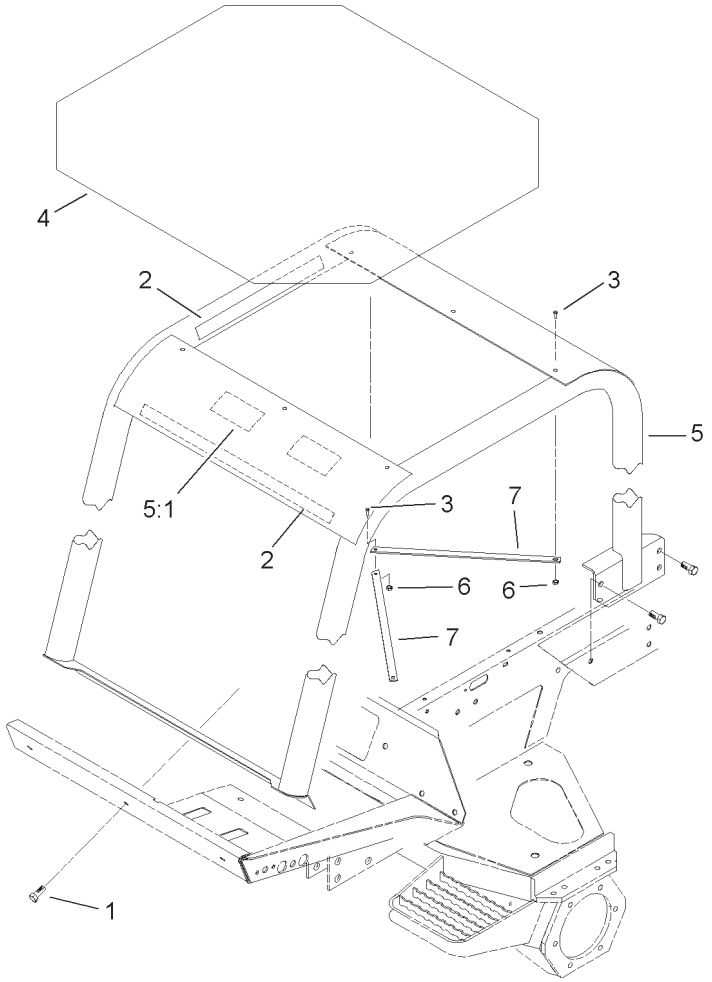


Sheet No.:33

Rear No. 2 and No. 3 Tipper Support 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	6	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
21	323-6	4	Screw-HH

Ref. No.	Part No.	Qty.	Description

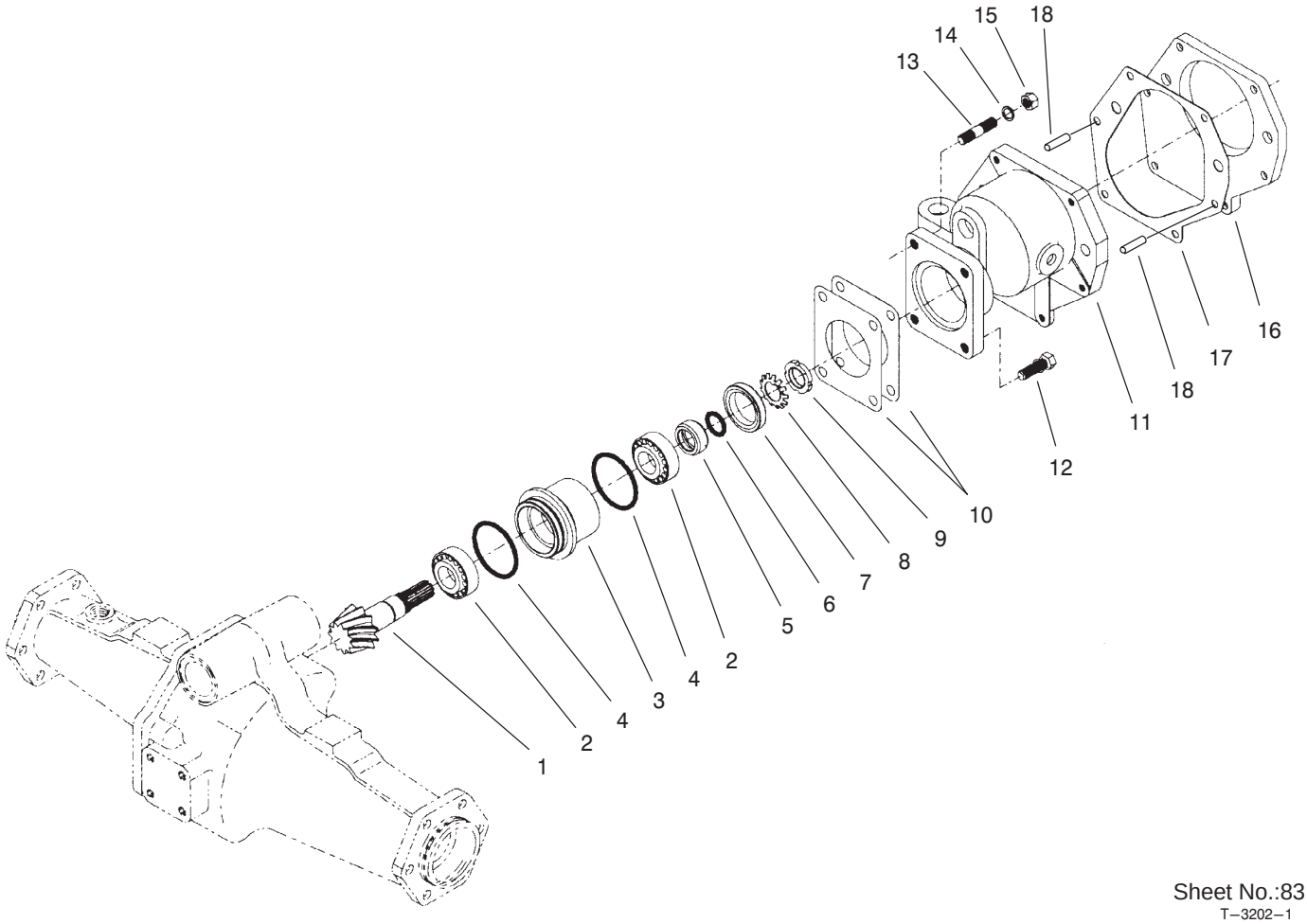


Sheet No.:34

Roll-Over-Protection-System Assembly

Ref. No.	Part No.	Qty.	Description
1	3234-38	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
6	33024-00	5	Nut-Lock
7	93-9159	2	Strap-Cover

Ref. No.	Part No.	Qty.	Description

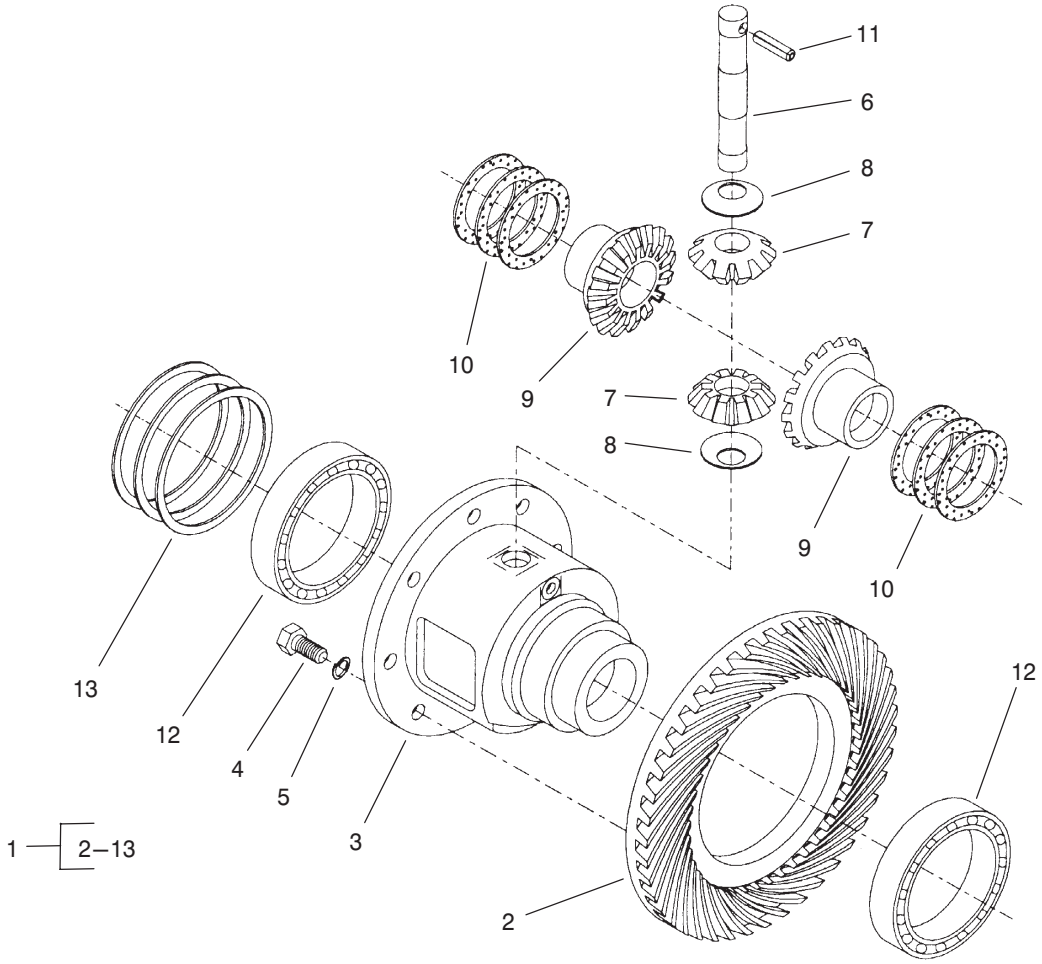


Sheet No.:83
T–3202–1

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

Ref. No.	Part No.	Qty.	Description
1	100-2555	1	Ring And Pinion Matched Set
2	99-7570	2	Bearing-Roller , Taper
3	95-7534	1	Case-Bearing
4	99-7571	2	O-Ring
5	99-7572	1	Collar-Seal, Oil
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



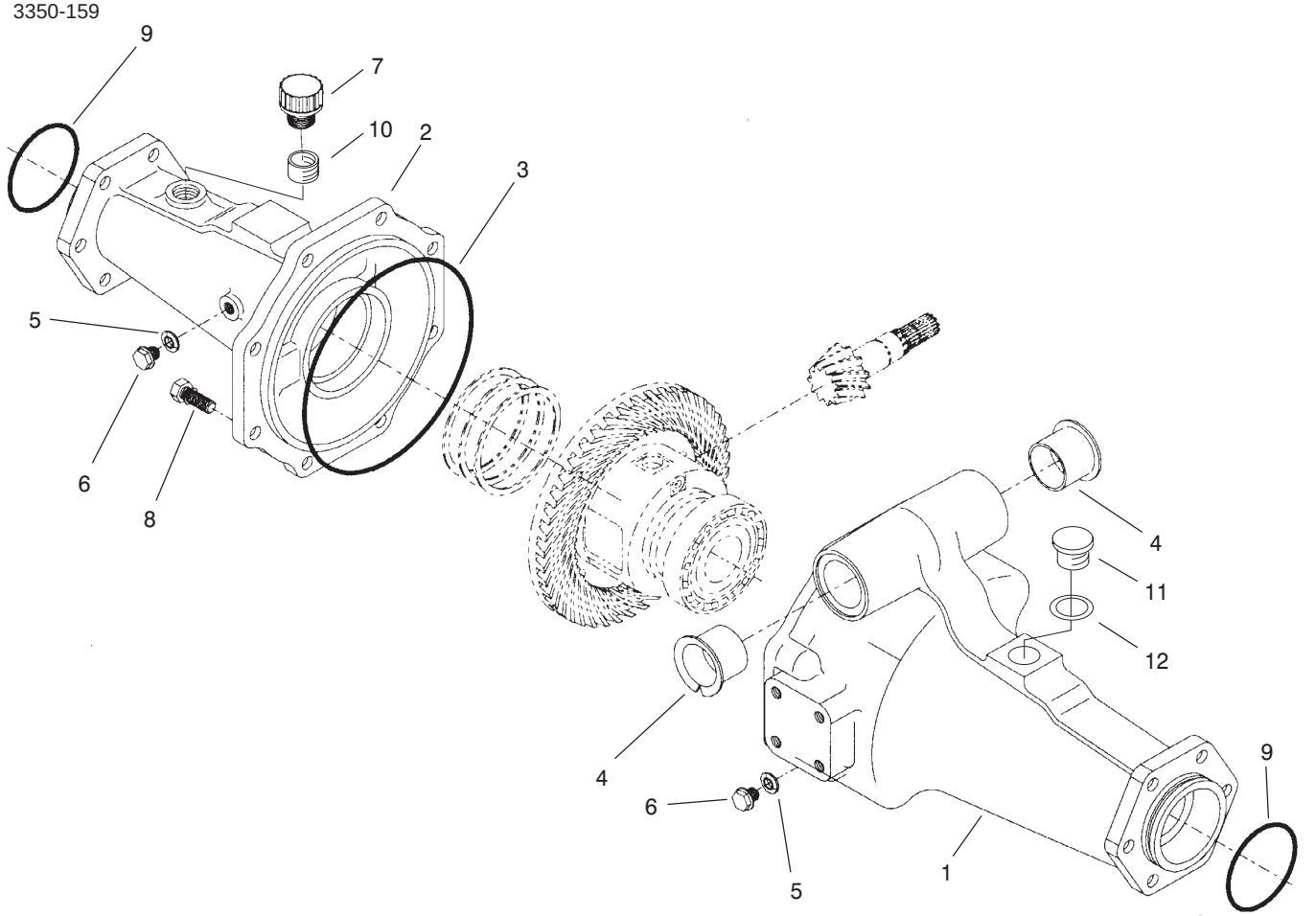
Sheet No.:84

T–3203–1

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

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-Dif ferential
4	99-7576	8	Bolt
5	99-7577	8	Washer-Spring
6	99-7578	1	Shaft-Dif ferential
7	99-7579	2	Pinion-Dif ferential
8	99-7580	2	Washer-Dif ferential
9	99-7581	2	Gear-Dif ferential
10	99-7582	2	Washer-Dif ferential
10	99-7583	2	Washer-Dif ferential
10	99-7584	2	Washer-Dif ferential
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



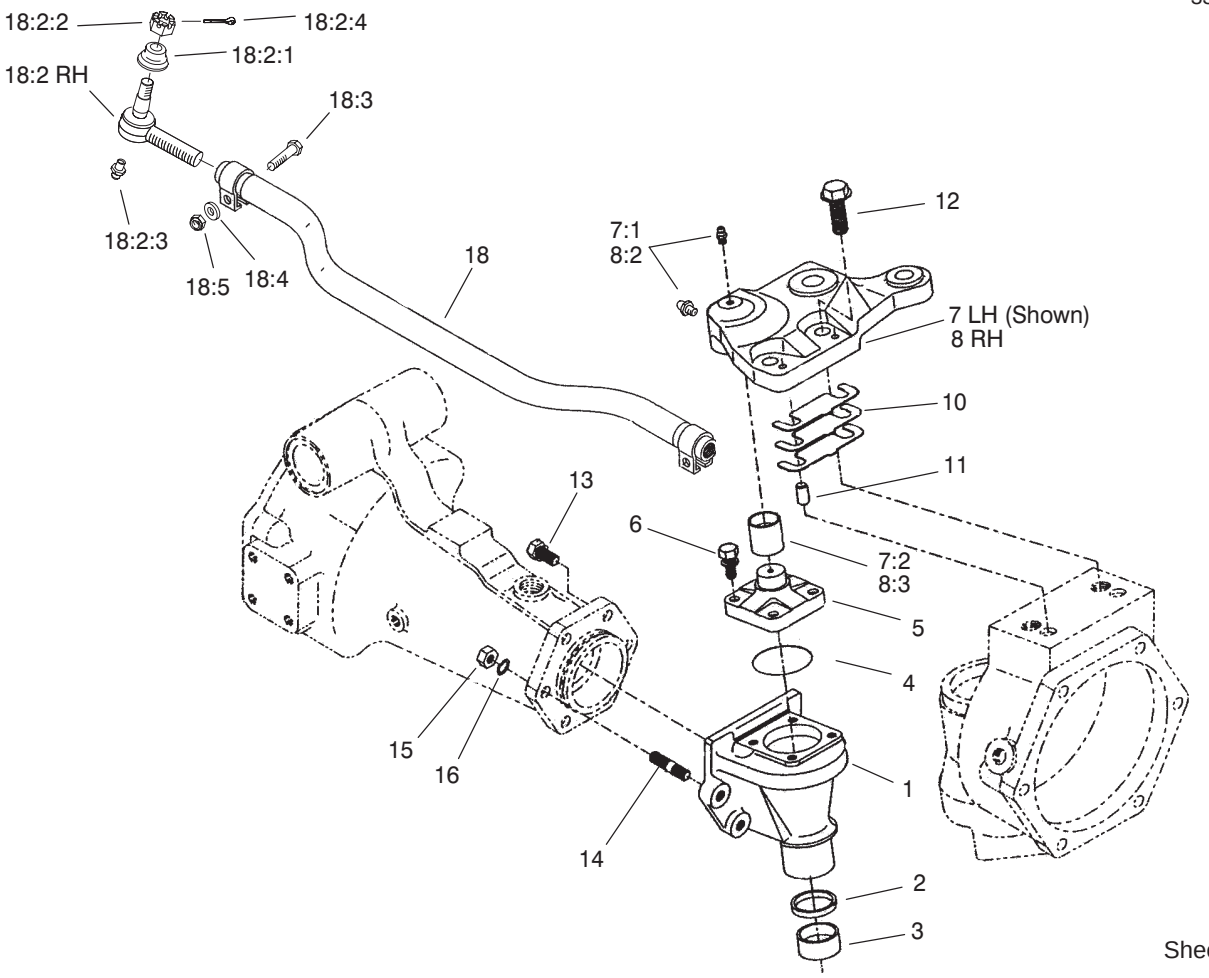
Sheet No.:85

T–3204–1

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

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-V ent
11	104-8643	1	Plug
12	104-8644	1	O-Ring

Ref. No.	Part No.	Qty.	Description



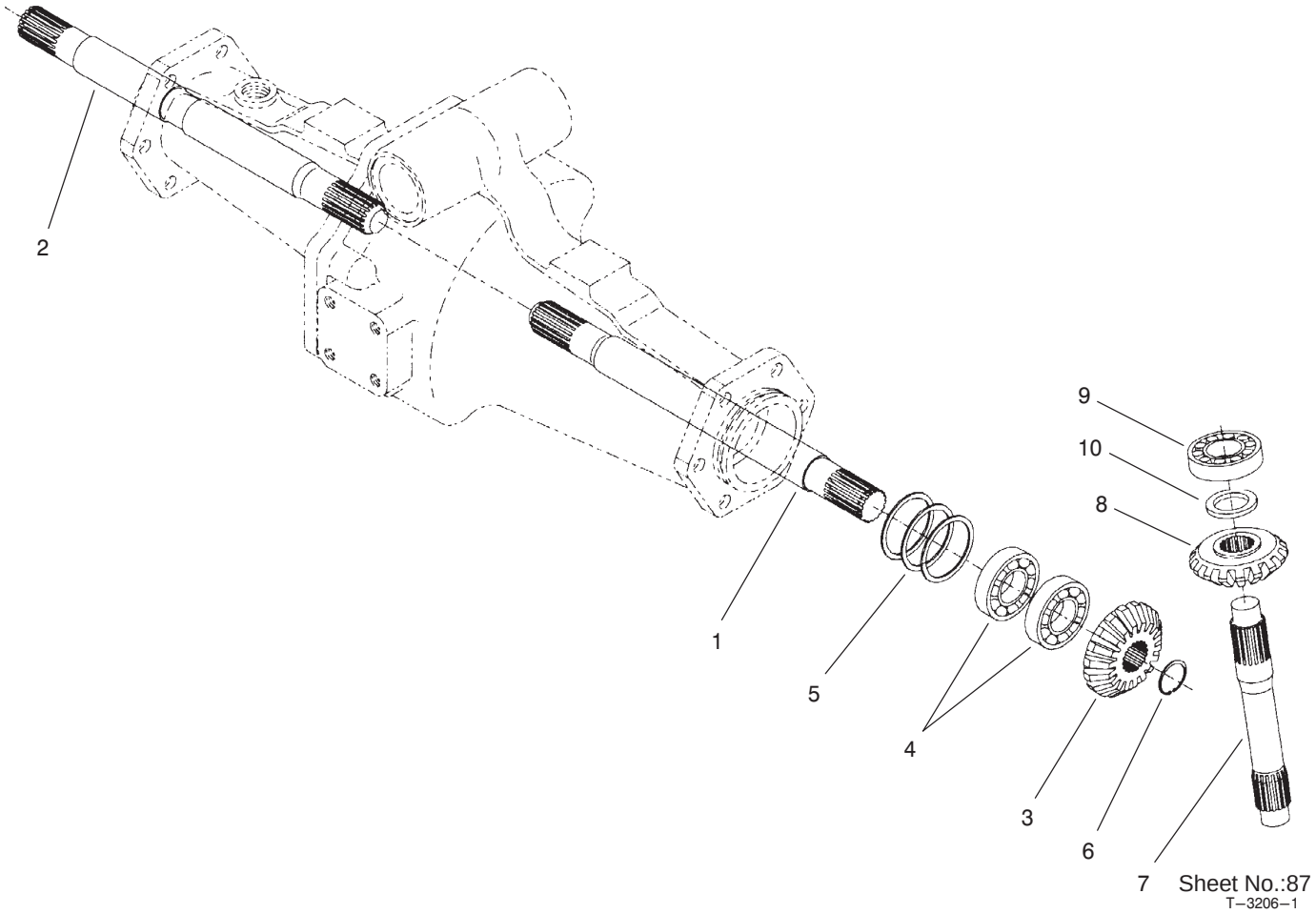
Sheet No.:86
T-3503

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

Ref. No.	Part No.	Qty.	Description
1	95-7538	2	Case-Gear , Bevel
2	100-2557	2	Seal-Oil
3	104-2378	2	Bushing
4	104-2372	2	O-Ring
5	104-2373	2	Knuckle
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
*18:1:1	100-3853	1	Cover-Dust

Ref. No.	Part No.	Qty.	Description
*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

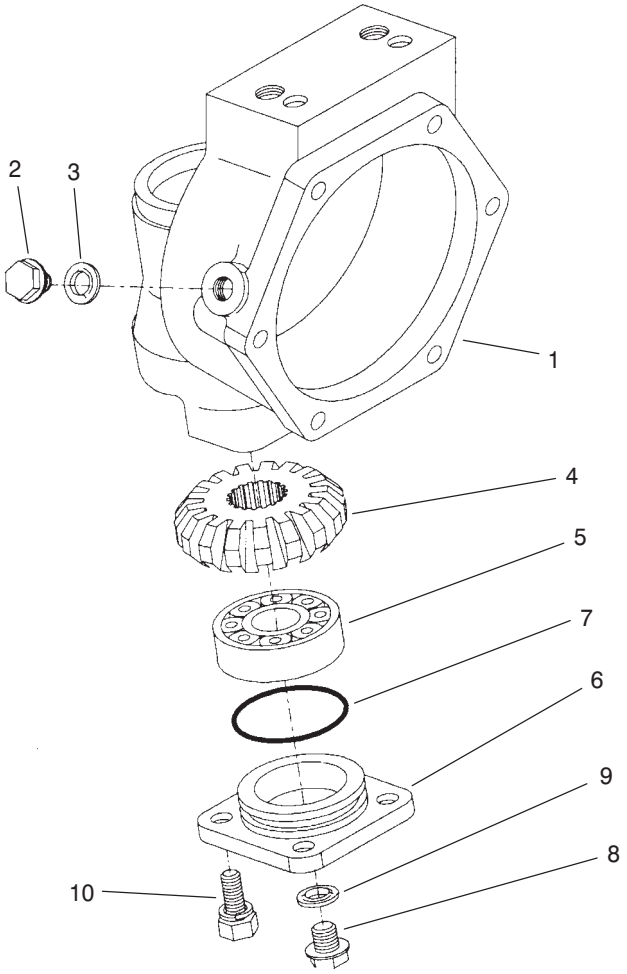
* Not illustrated



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

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-Bevel, 15 Tooth
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-Gear , Bevel
8	95-7519	2	Gear-Bevel, 17 Tooth
9	99-7532	2	Bearing-Roller , Taper
10	99-7558	2	Collar

Ref. No.	Part No.	Qty.	Description

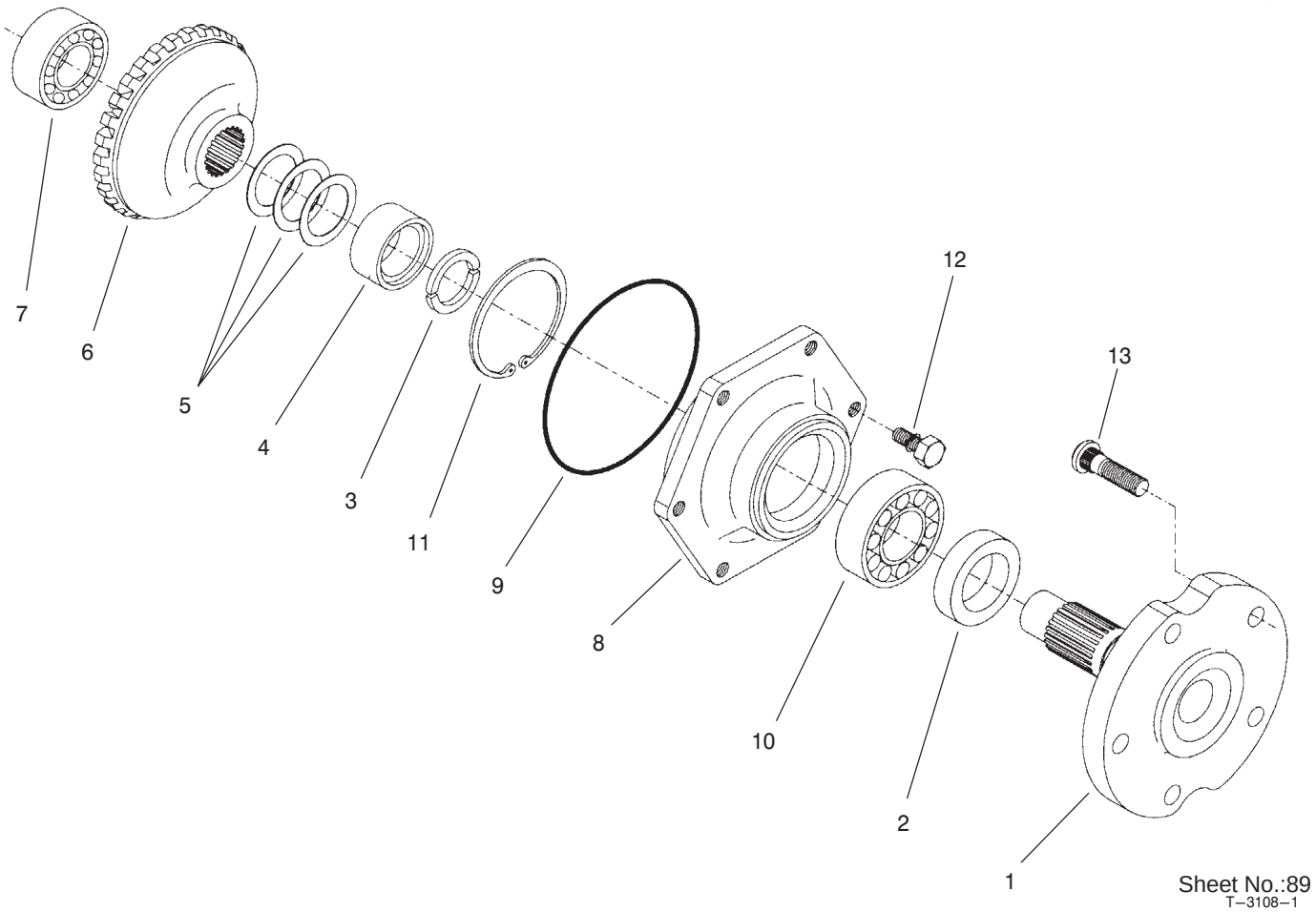


Sheet No.:88
T–3207–1

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

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-Bevel, 17 Tooth
5	99-7532	2	Bearing-Roller, Taper
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



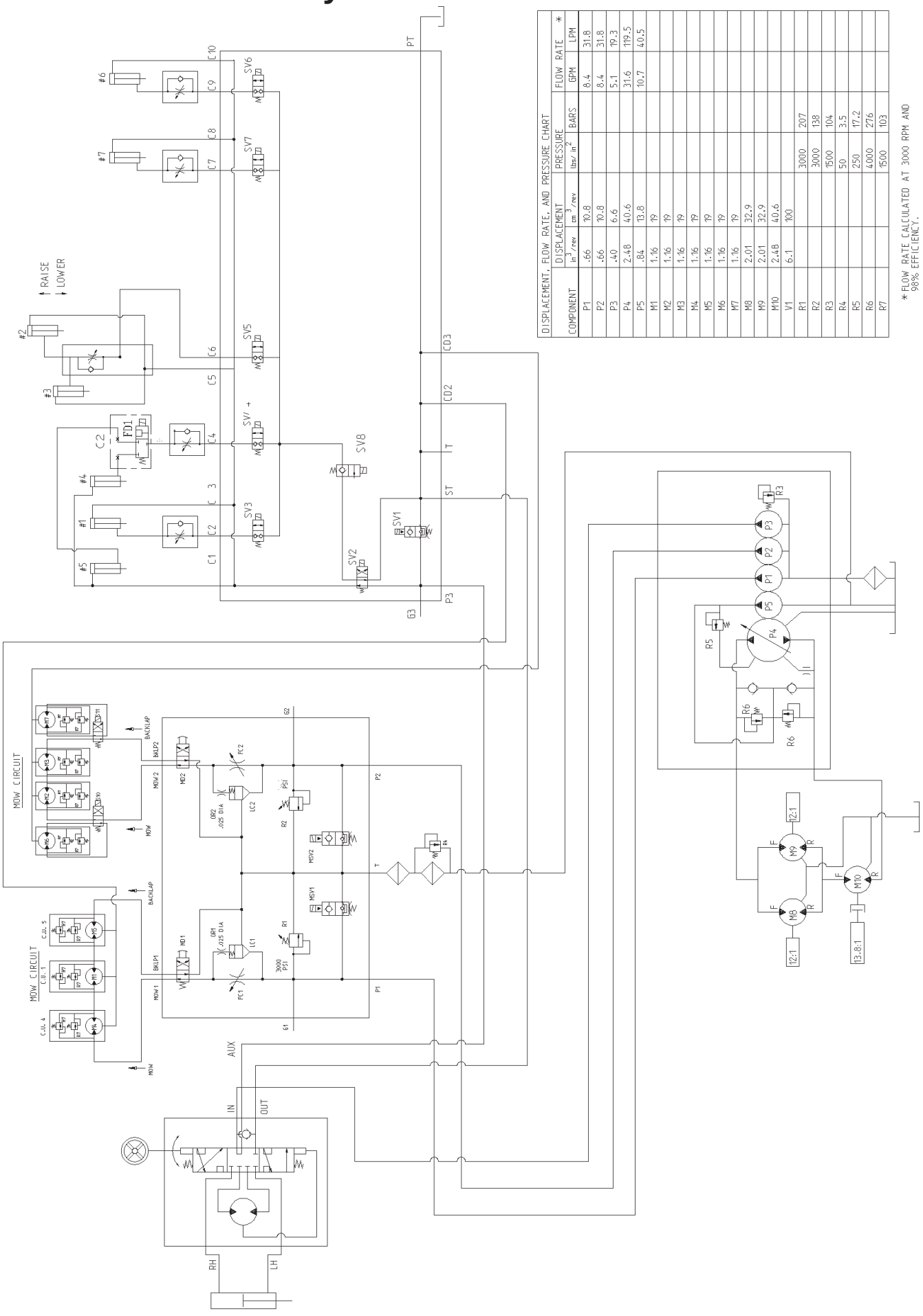
Sheet No.:89
T–3108–1

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

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-Bevel, 29 Tooth
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

Hydraulic Schematic

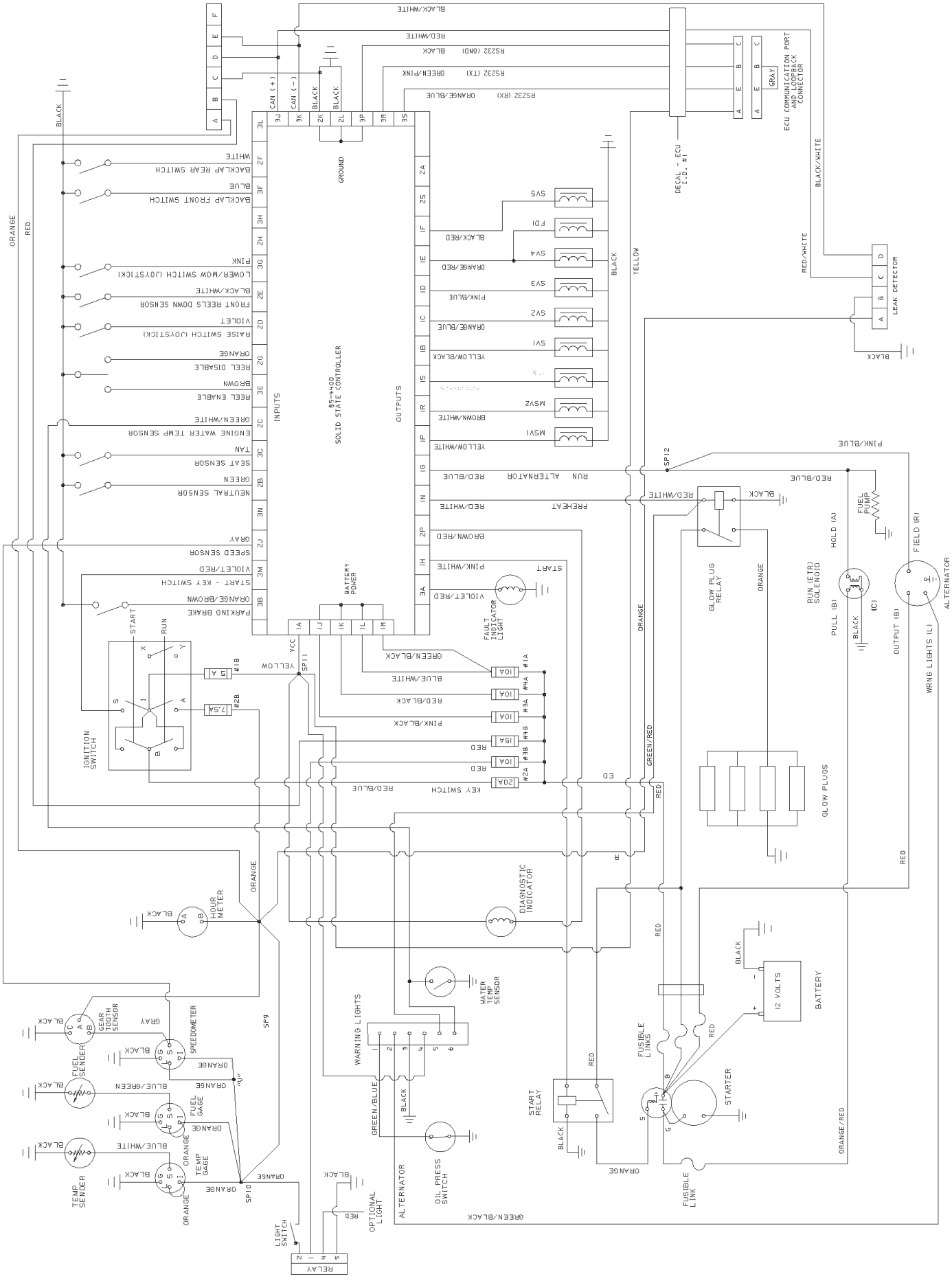


DISPLACEMENT, FLOW RATE, AND PRESSURE CHART

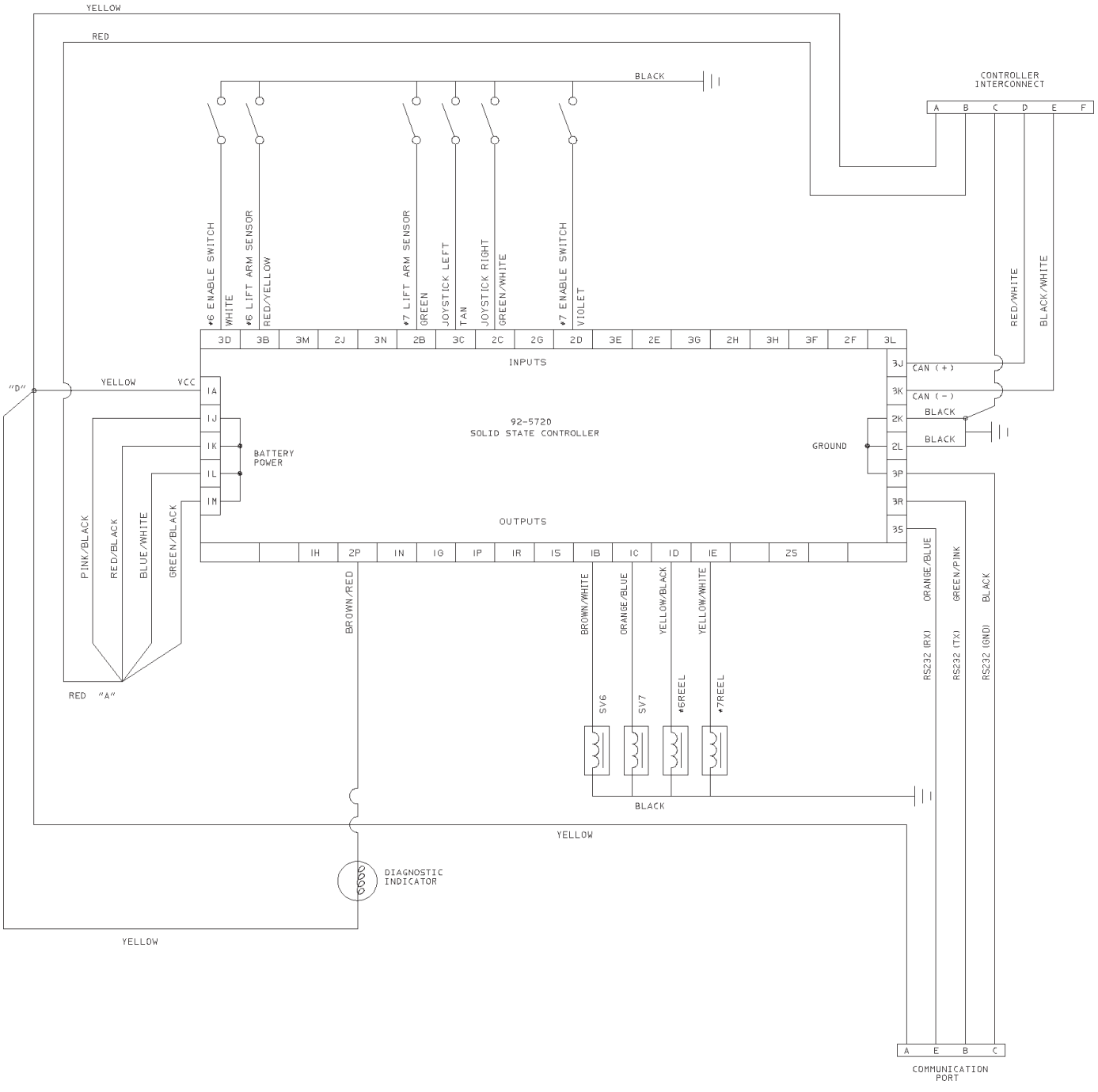
COMPONENT	DISPLACEMENT in^3/rev	DISPLACEMENT cm^3/rev	PRESSURE lbs/in^2	PRESSURE BARS	FLOW RATE * GPM	FLOW RATE * LPM
P1	.66	10.8			8.4	31.8
P2	.66	10.8			8.4	31.8
P3	.40	6.6			5.1	19.3
P4	2.48	40.6			31.6	119.5
P5	.84	13.8			10.7	40.5
M1	1.16	19				
M2	1.16	19				
M3	1.16	19				
M4	1.16	19				
M5	1.16	19				
M6	1.16	19				
M7	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			3000	138		
R3			1500	104		
R4			50	3.5		
R5			250	17.2		
R6			4000	276		
R7			1500	103		

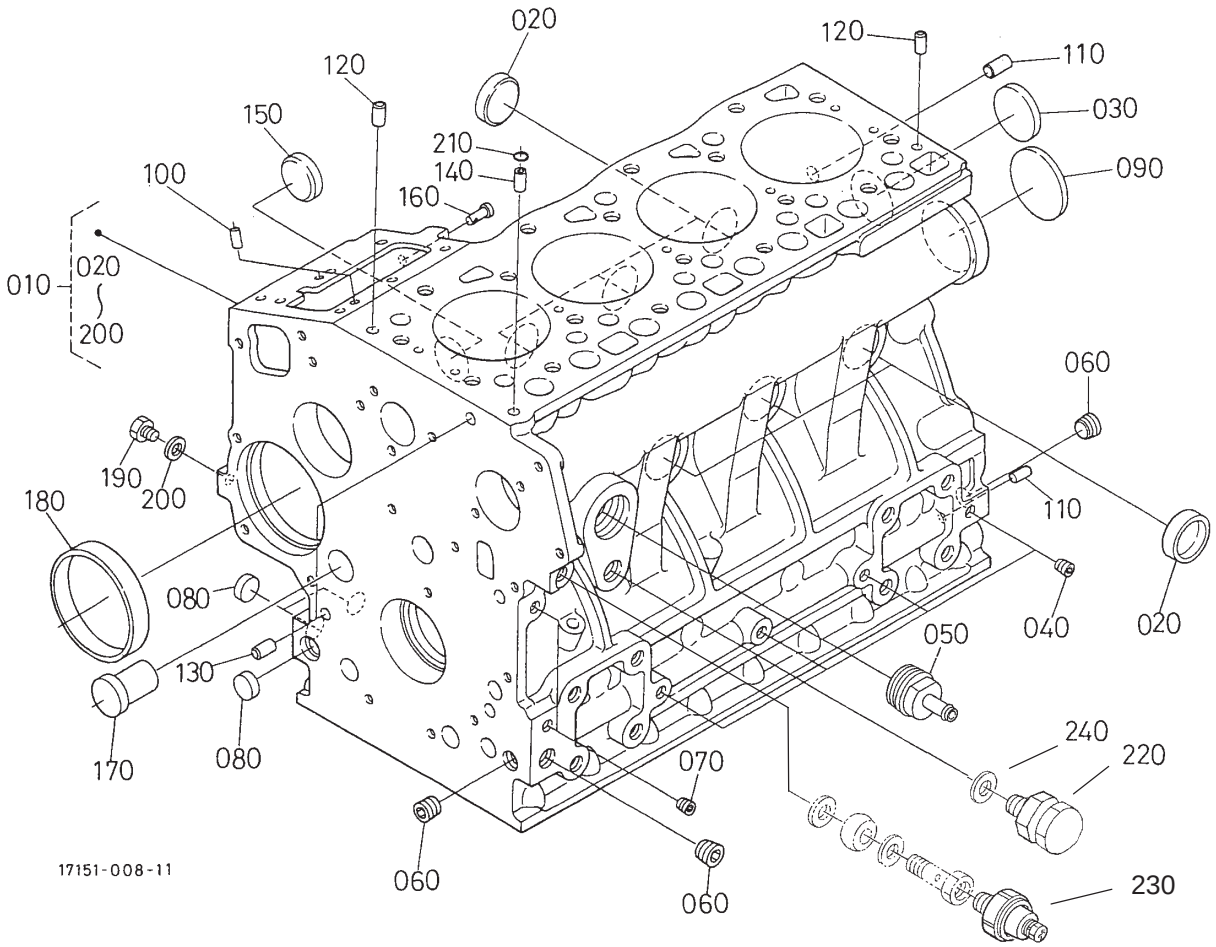
* FLOW RATE CALCULATED AT 3000 RPM AND 98% EFFICIENCY.

Electrical Schematic



Controller Electrical Schematic



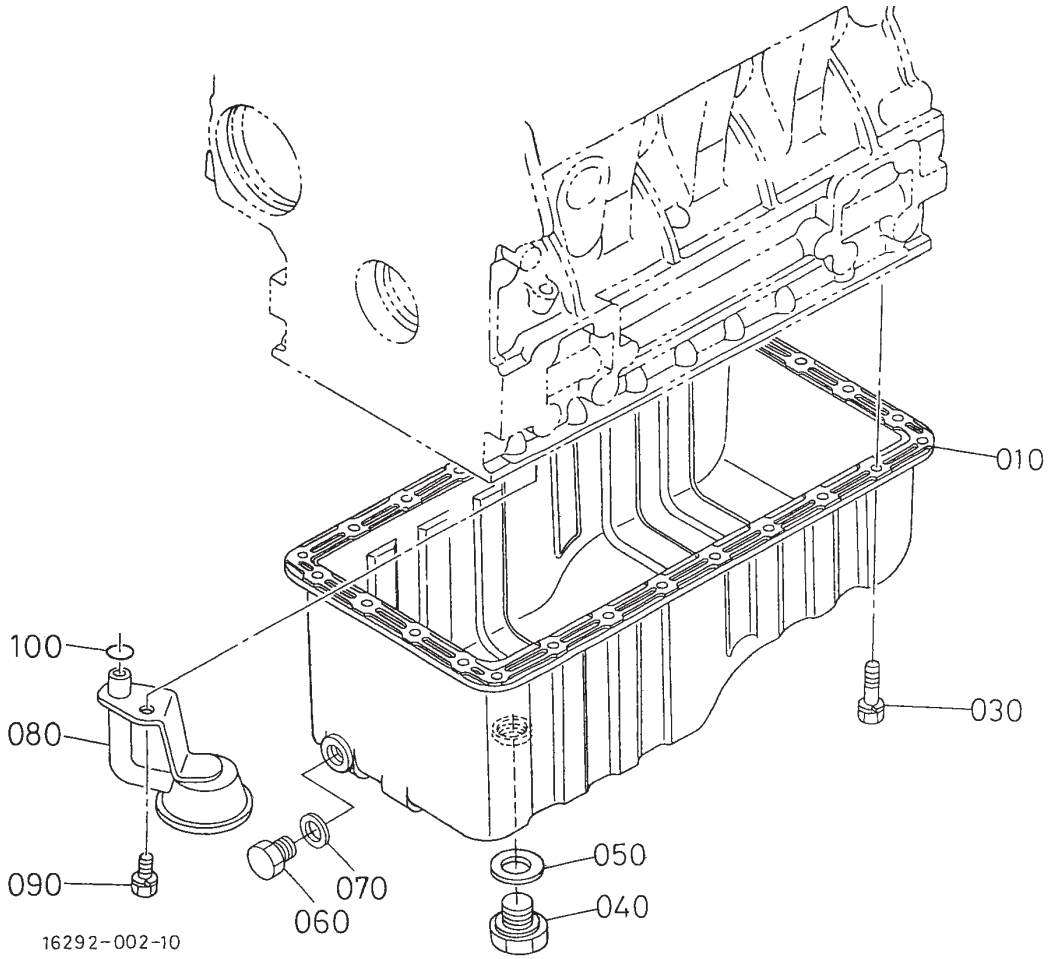


Sheet No.:51

Crankcase Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3701	1	Crankcase-Complete
20	98-9398	6	Cap-Sealing
30	98-7539	1	Cap-Sealing
40	98-7540	4	Cap-Sealing
50	98-8347	1	Screw-T aptite
60	98-9597	3	Plug
70	98-7487	2	Plug
80	98-7489	3	Plug
90	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	Bushing-Governor , Gear
190	98-7507	1	Plug
200	98-7428	1	Gasket
210	98-7509	1	O-Ring
220	99-3447	1	Plug
230	98-9416	1	Switch-Oil
240	106-7056	1	Gasket

Ref. No.	Part No.	Qty.	Description

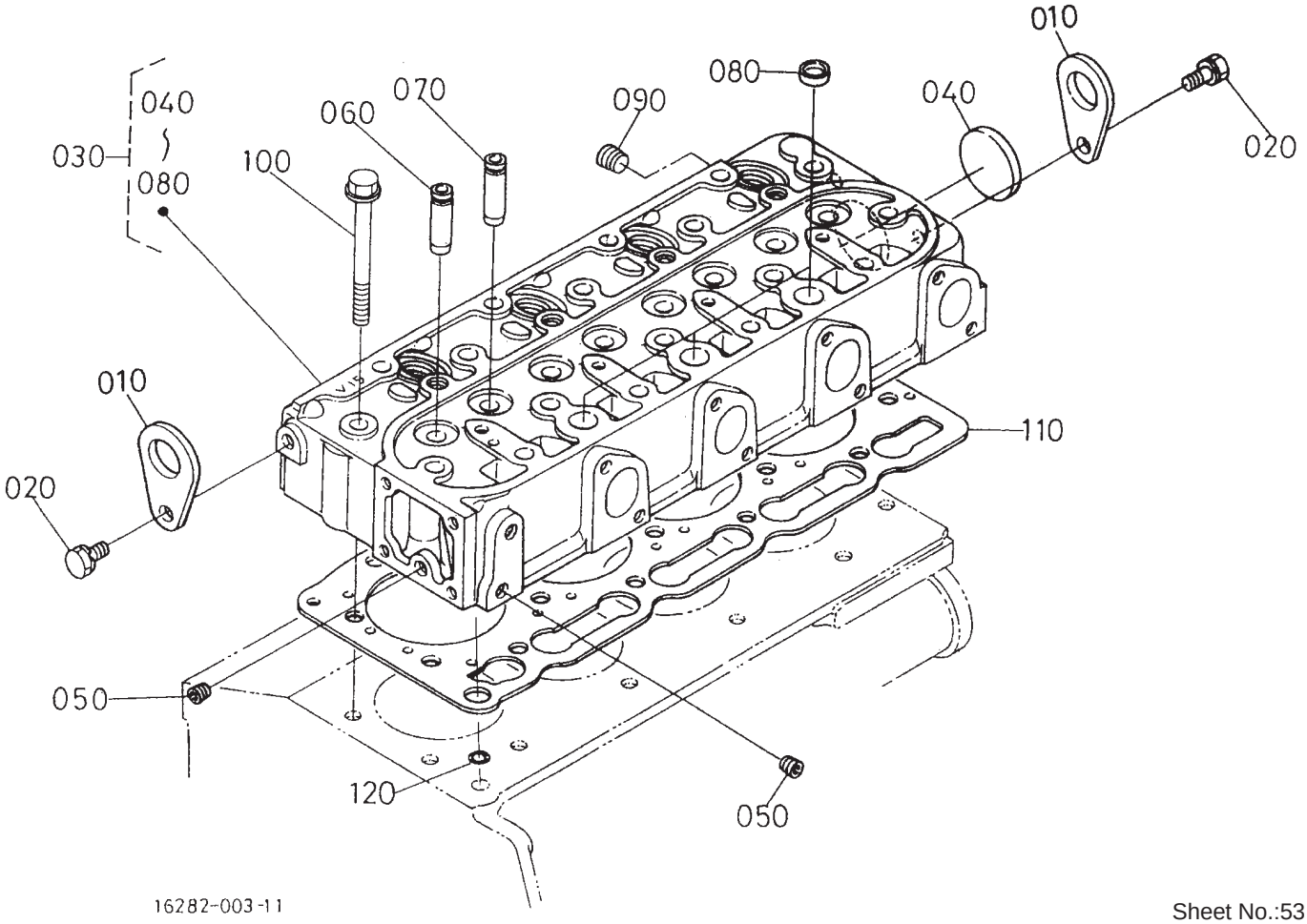


Sheet No.:52

Oil Pan Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3702	1	Pan-Oil, Complete
30	98-9350	2	Bolt
40	105-3703	1	Plug-Drain
50	98-9399	1	Gasket
60	98-9386	1	Plug
70	98-7524	1	Gasket
80	105-3704	1	Filter-Oil
90	98-7526	1	Bolt
100	105-3776	1	O-Ring

Ref. No.	Part No.	Qty.	Description

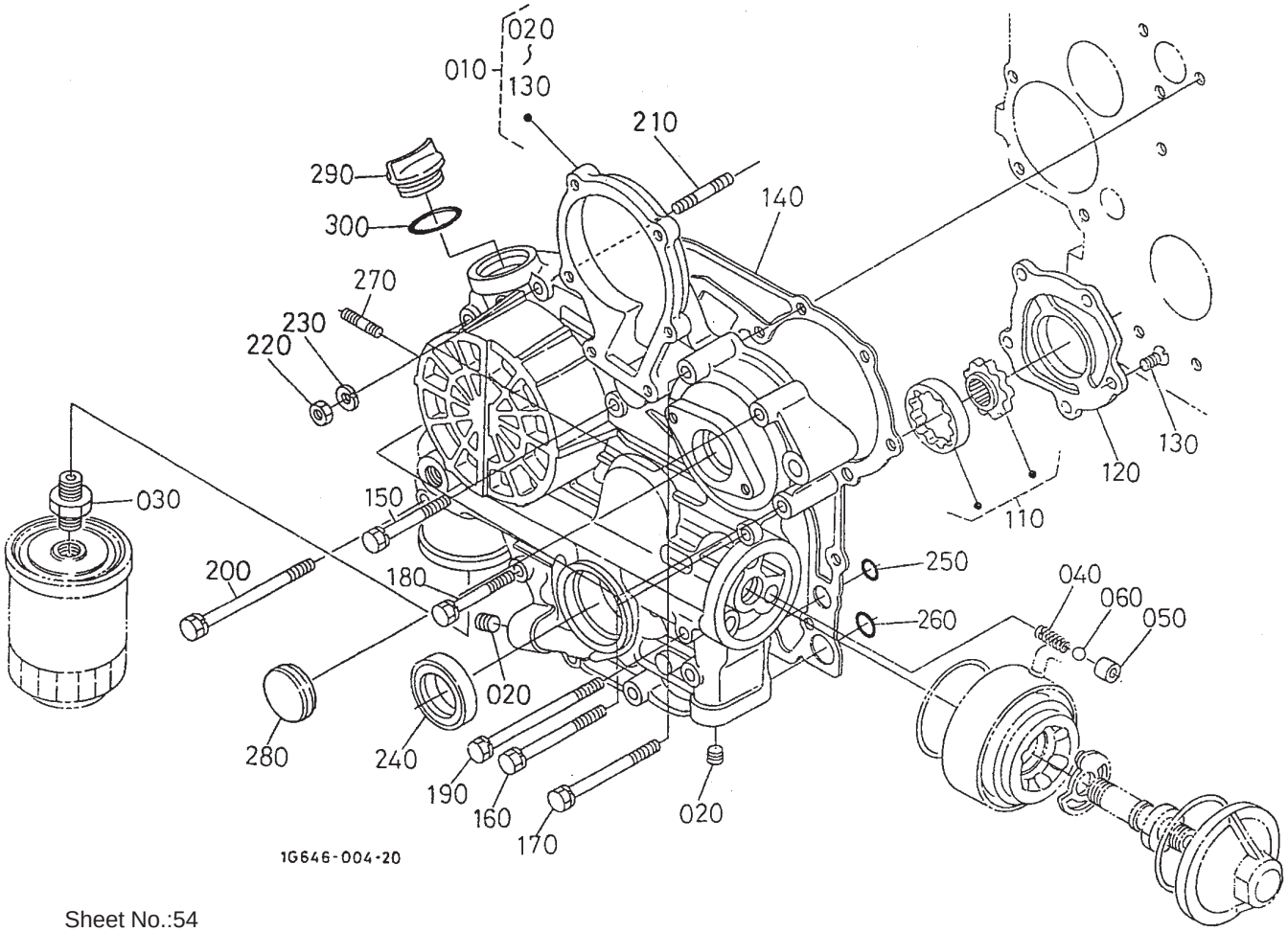


Sheet No.:53

Cylinder Head Assembly

Ref. No.	Part No.	Qty.	Description
10	98-7531	2	Hook-Engine
20	100-9195	2	Bolt
30	105-3775	1	Head-Cylinder, Complete
40	105-3705	1	Cap-Sealing
50	98-7540	2	Cap-Sealing
60	98-9499	4	Guide-Valve, Inlet
70	98-9500	4	Guide-Valve, Exhaust
80	98-9389	3	Cap-Sealing
90	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

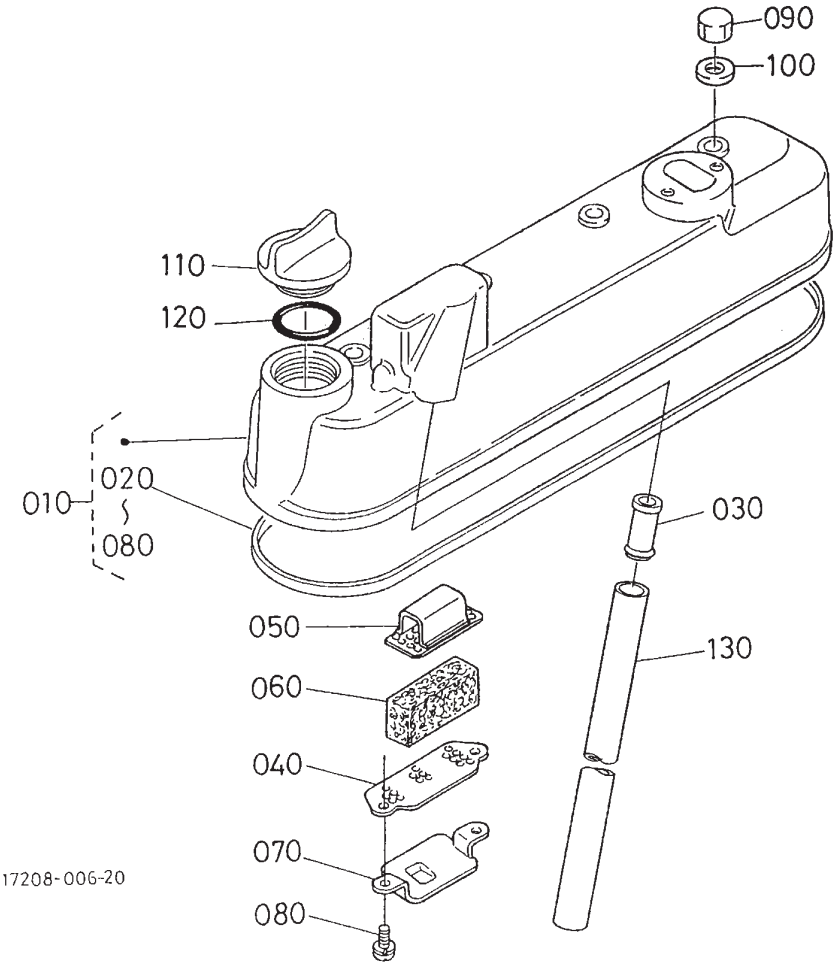


Sheet No.:54

Gear Case Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3707	1	Case-Gear , Complete
20	98-9598	5	Plug
30	98-9388	1	Joint-Pipe
40	98-9544	1	Spring
50	98-9543	1	Seat-V alve
60	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	99-351 1	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

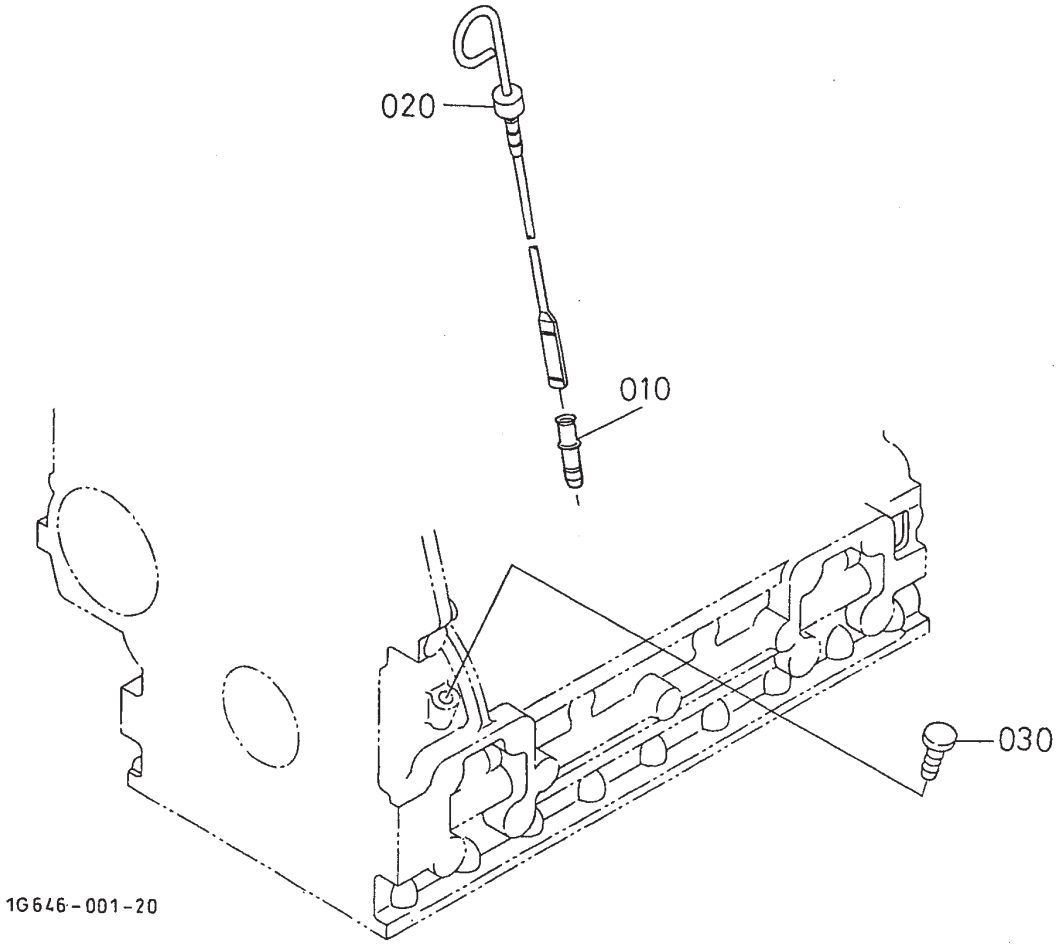


Sheet No.:55

Head Cover Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3711	1	Cylinder Head Cover ASM
20	105-3712	1	Gasket-Cover , Head
30	98-9492	1	Joint-Pipe, Breather
40	98-9488	1	Plate-Element, Breather
50	98-9489	1	Plate-Element, Breather
60	98-9493	1	Element-Breather
70	98-9490	1	Shield-Oil, Breather
80	98-7421	2	Screw-W/W asher
90	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

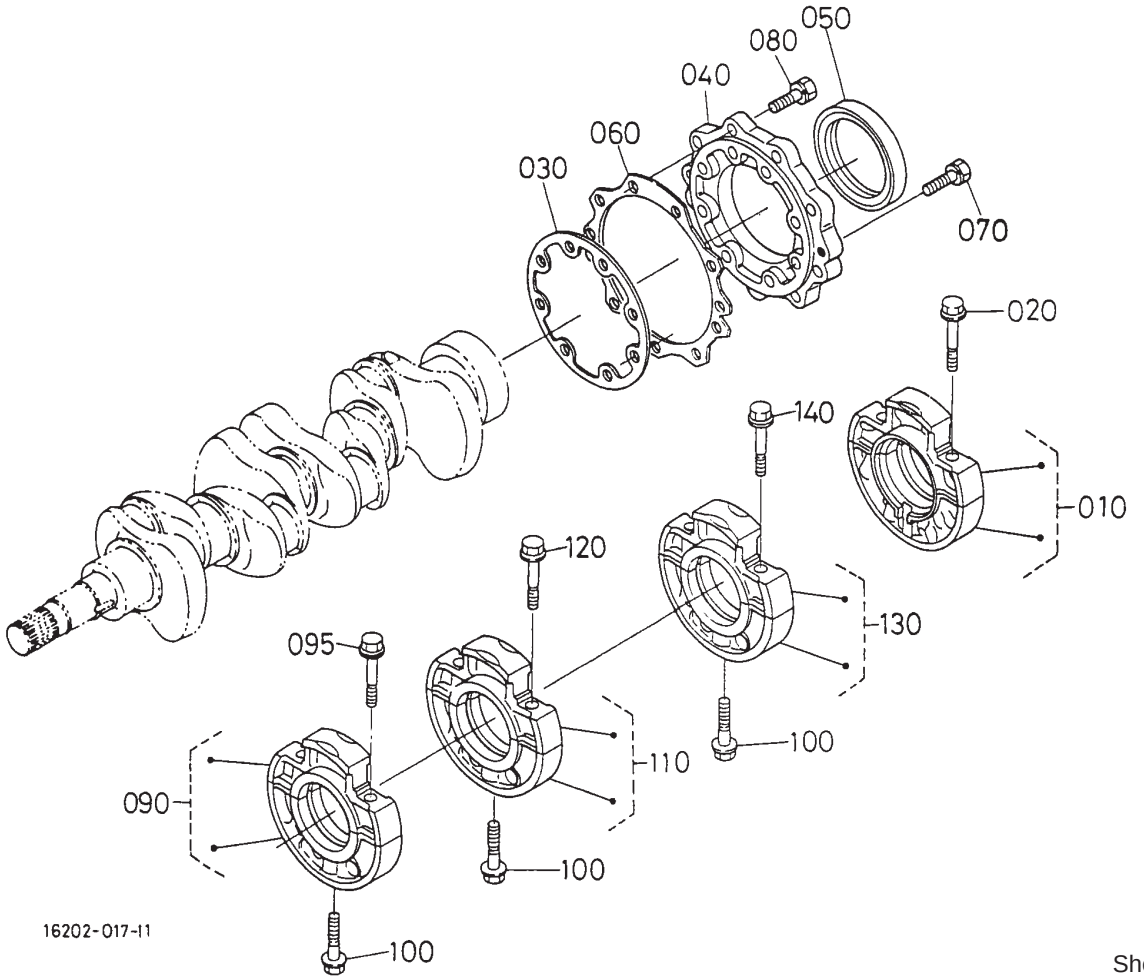


Sheet No.:56

Dipstick and Guide Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3713	1	Guide-Gauge, Oil
20	105-3714	1	Gauge-Oil
30	105-3715	1	Plug-Gauge, Oil

Ref. No.	Part No.	Qty.	Description

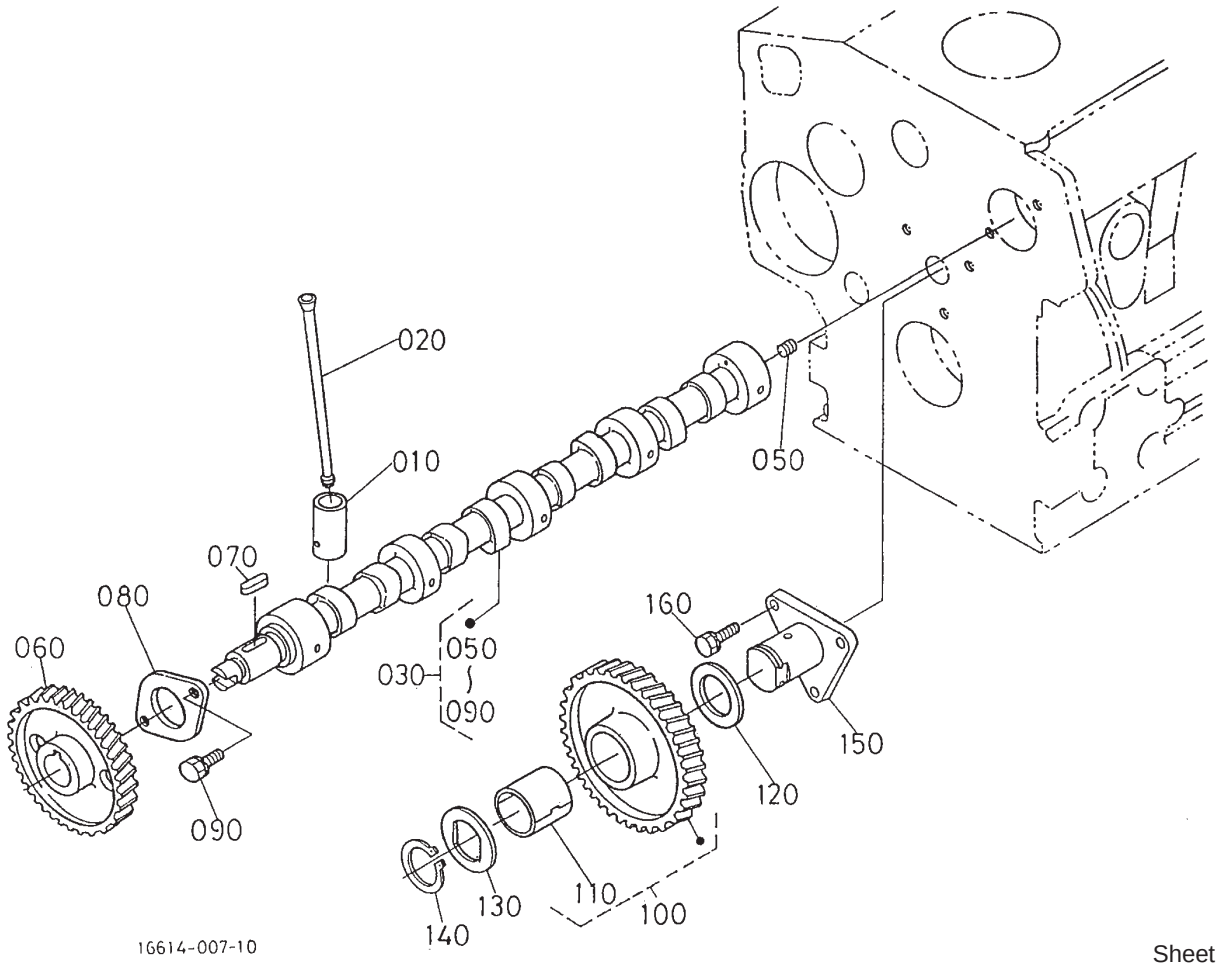


Sheet No.:57

Main Bearing Case Assembly

Ref. No.	Part No.	Qty.	Description
10	98-9480	1	Main Bearing Case ASM
20	98-9484	2	Bolt-Case, Bearing
30	98-9634	1	Gasket-Case, Bearing
40	98-9487	1	Cover-Case, Bearing
50	98-9483	1	Seal-Oil
60	98-9635	1	Gasket-Cover , Bearing Case
70	98-9352	8	Bolt
80	98-7568	9	Bolt
90	99-8361	1	Case-Bearing, Main
95	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

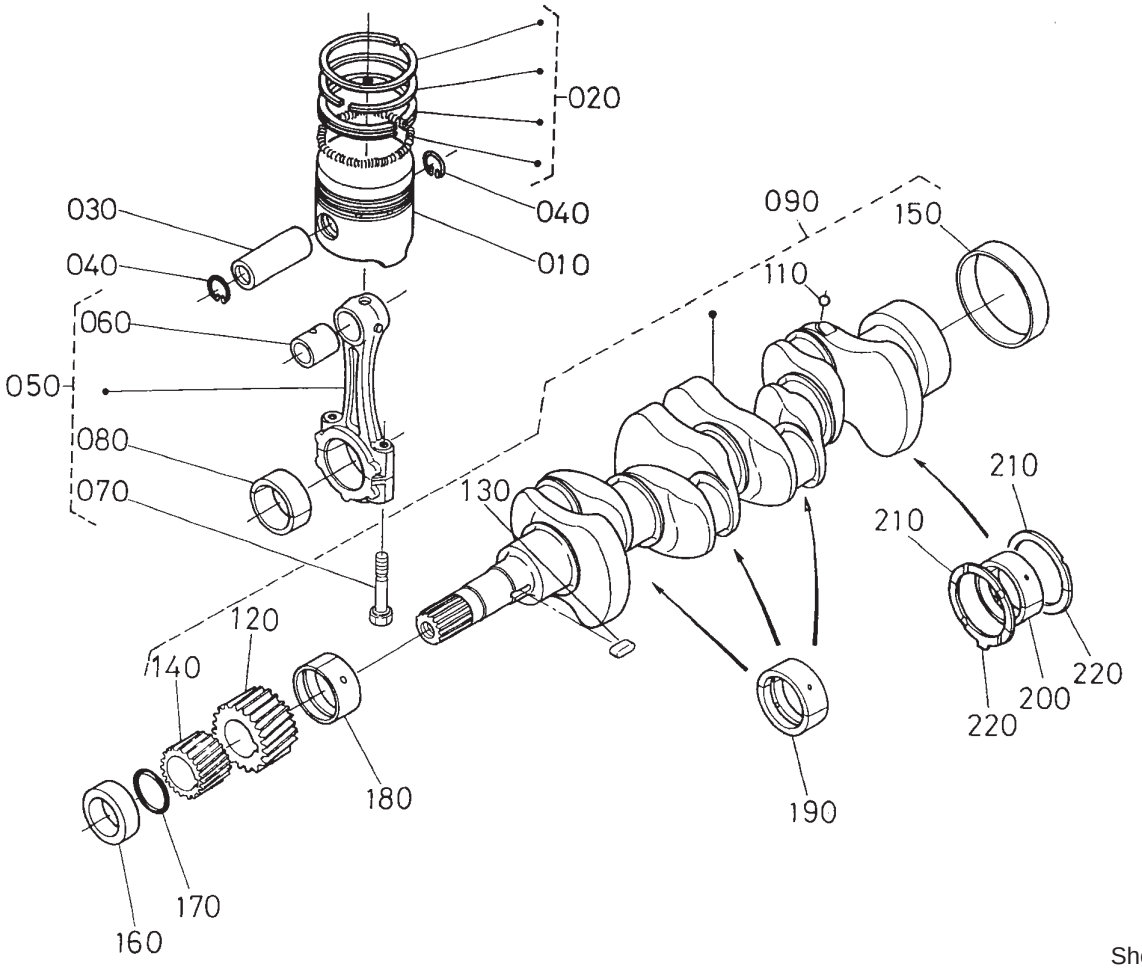


Sheet No.:58

Camshaft and Idle Gear Shaft Assembly

Ref. No.	Part No.	Qty.	Description
10	98-9616	8	Tappet
20	98-9509	8	Rod-Push
30	105-3717	1	Camshaft ASM
50	98-7449	1	Screw-Set
60	98-9512	1	Gear-Cam
70	98-9378	1	Key-Feather
80	98-9510	1	Stopper-Camshaft
90	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

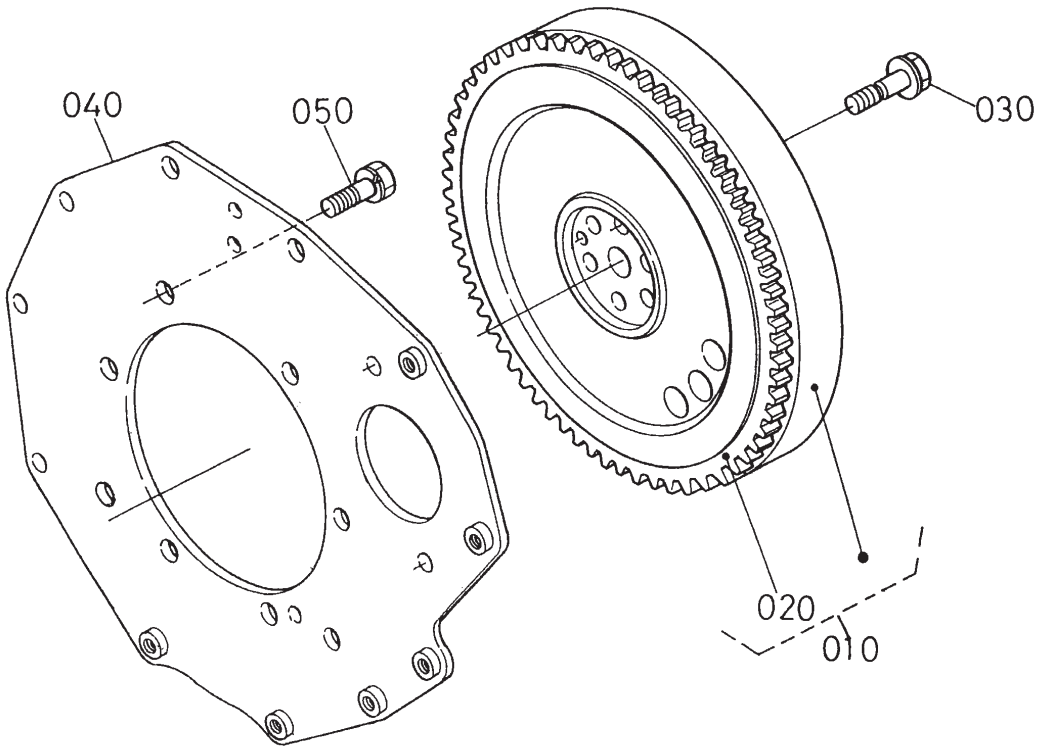


Sheet No.:59

Piston and Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description
10	98-9550	4	Piston (STD)
20	98-9551	4	Piston Ring ASM (STD)
20	98-9619	4	Piston Ring ASM (0.5mm)
30	98-9513	4	Pin-Piston
40	98-9514	8	Clip-Circular , Piston Pin
50	98-9552	4	Connecting Rod ASM
60	98-9515	4	Bushing-Pin, Piston
70	98-9517	8	Bolt-Rod, Connecting
80	98-9519	4	Bearing-Rod (0.2mm)
80	98-9520	4	Bearing-Rod (0.4mm)
80	98-9553	4	Bearing-Rod (STD)
90	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	98-9554	1	Bearing-Main (STD)
180	98-9528	1	Bearing-Main (0.2mm)
180	98-9529	1	Bearing-Main (0.4mm)

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



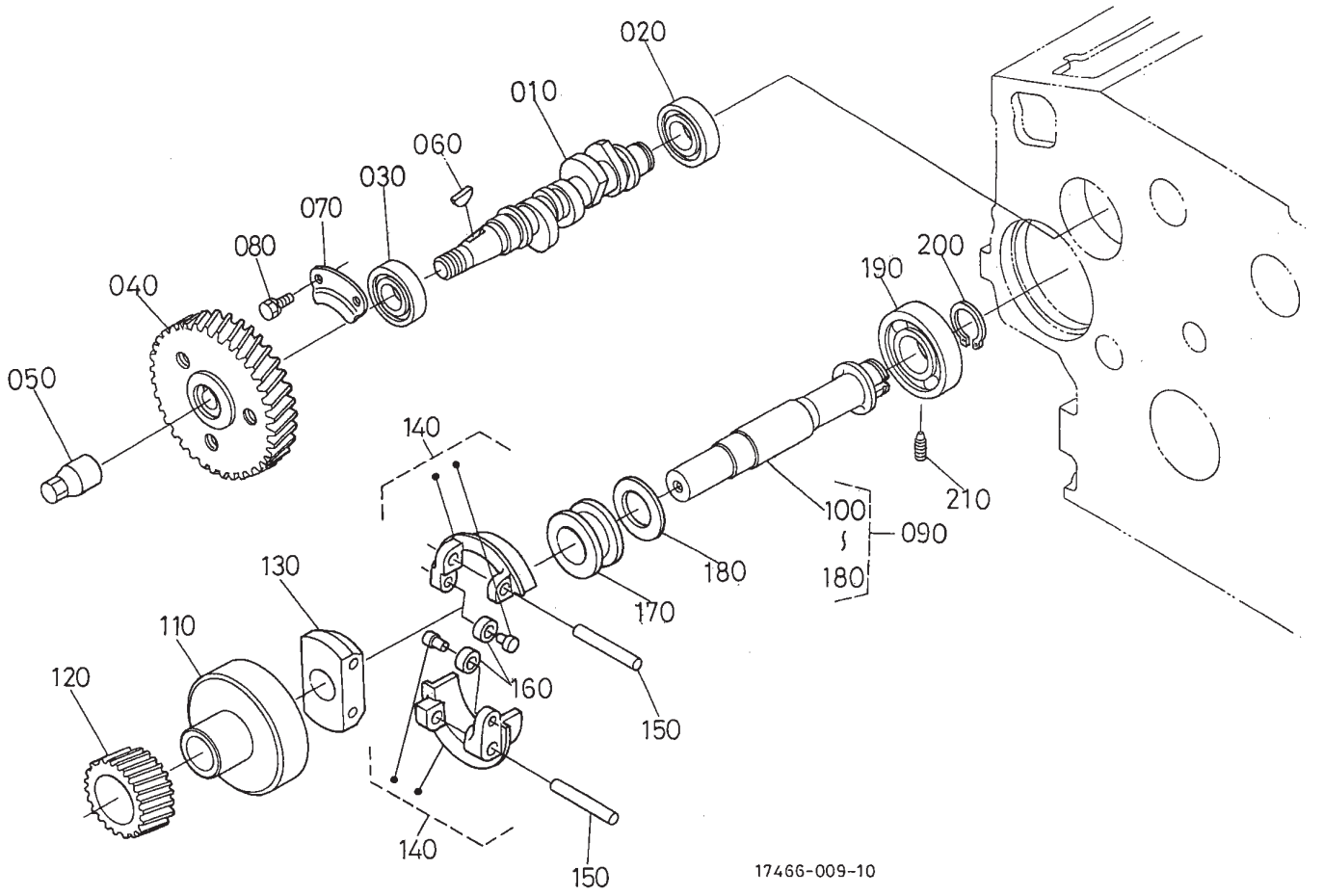
16615-009-10

Sheet No.:60

Flywheel Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3721	1	Flywheel-Complete
20	105-3722	1	Gear-Ring
30	98-9537	6	Bolt-Flywheel
40	98-9486	1	Plate-End, Rear
50	98-9392	8	Bolt

Ref. No.	Part No.	Qty.	Description

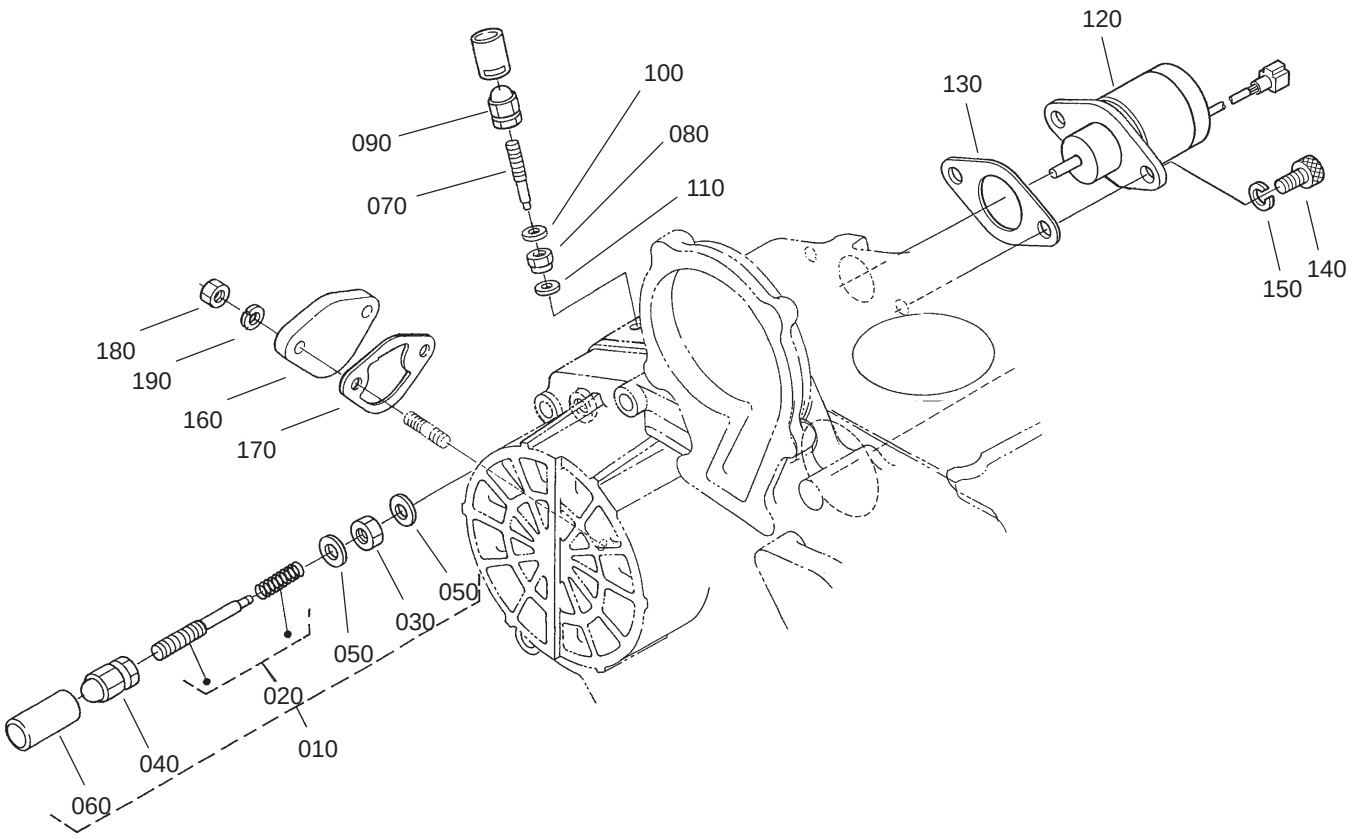


Sheet No.:61

Fuel Camshaft and Governor Shaft Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3723	1	Camshaft-Fuel
20	98-9382	1	Bearing-Ball
30	98-9383	1	Bearing-Ball
40	98-9669	1	Gear-Pump, Injection
50	98-9590	1	Nut-Cap
60	98-9595	1	Key-W oodruff
70	98-9511	1	Stopper-Fuel, Camshaft
80	98-9350	2	Bolt
90	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-W eight, Governor
140	98-9559	2	Governor Weight ASM
150	98-9560	2	Shaft-W eight, 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

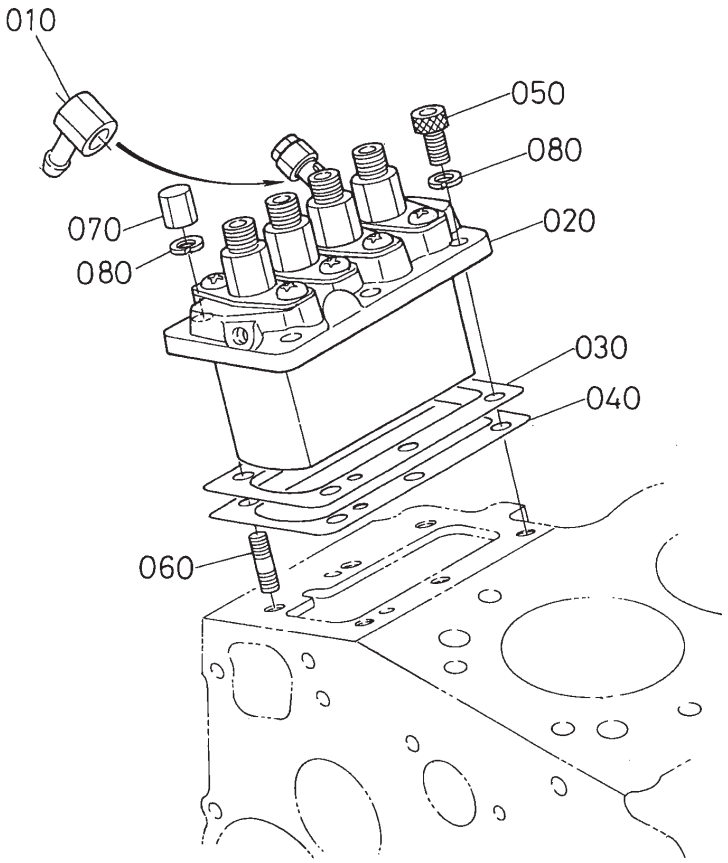


Sheet No.:62

Idle Apparatus, Stop Solenoid and Cover Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3726	1	Idle Apparatus ASM
20	98-9679	1	Adjusting Bolt ASM
30	98-9439	1	Nut
40	105-3798	1	Nut
50	98-7654	2	Gasket
60	98-7656	1	Cap
70	98-9557	1	Bolt-Adjusting
80	99-3512	1	Nut
90	105-3798	1	Nut
100	98-7654	1	Gasket
110	99-8389	1	Gasket
120	104-5155	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

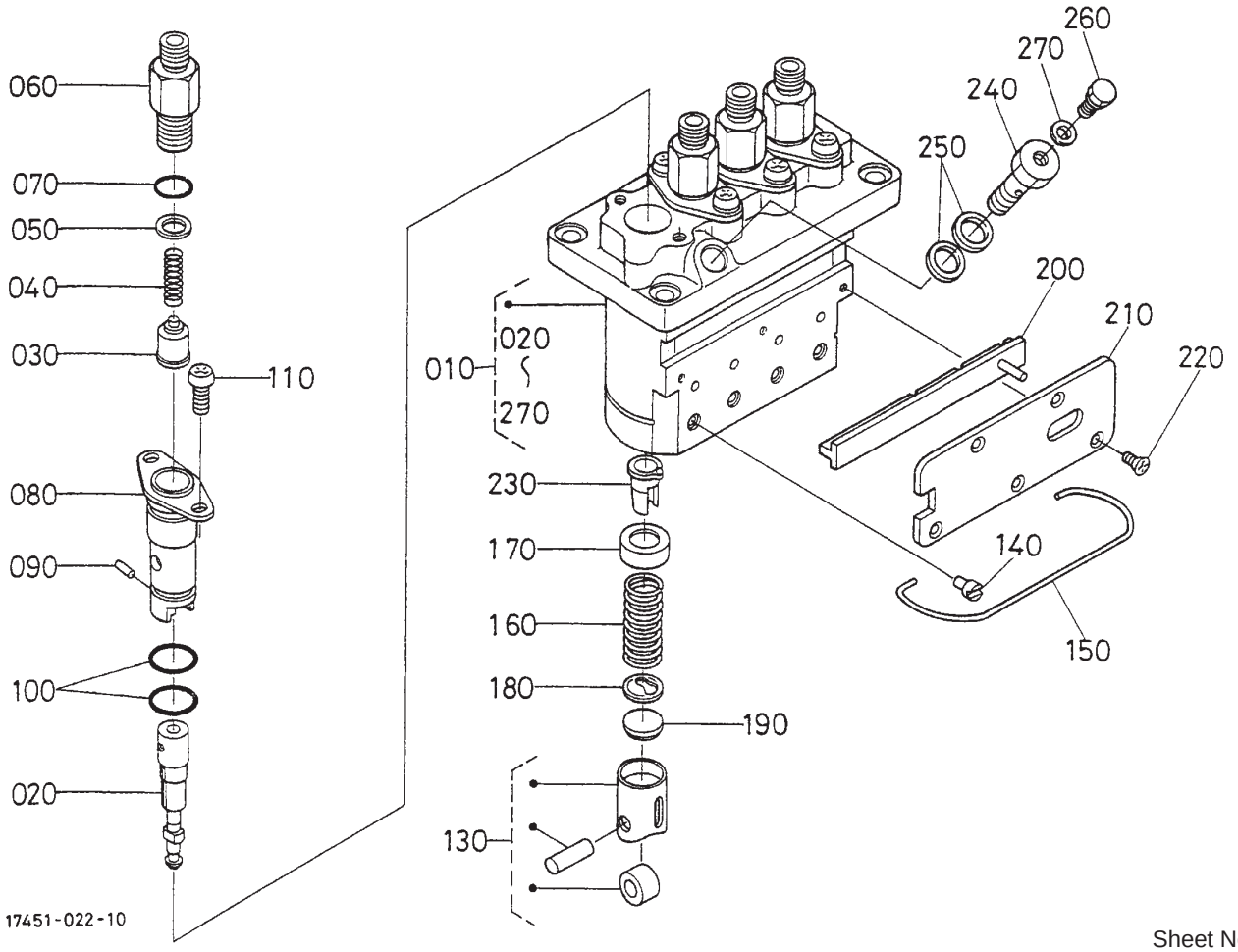


Sheet No.:63

Injection Pump Assembly

Ref. No.	Part No.	Qty.	Description
10	98-9596	1	Joint-Eye
20	105-3727	1	Injection Pump ASM
30	105-3728	1	Shim-Pump, Injection (.20mm)
30	105-3729	1	Shim-Pump, Injection (.25mm)
40	105-3730	1	Shim-Pump, Injection (.30mm)
50	98-9361	3	Bolt-HSH
60	98-9438	3	Stud
70	98-9440	3	Nut-Cap
80	98-7699	6	Washer-Spring

Ref. No.	Part No.	Qty.	Description

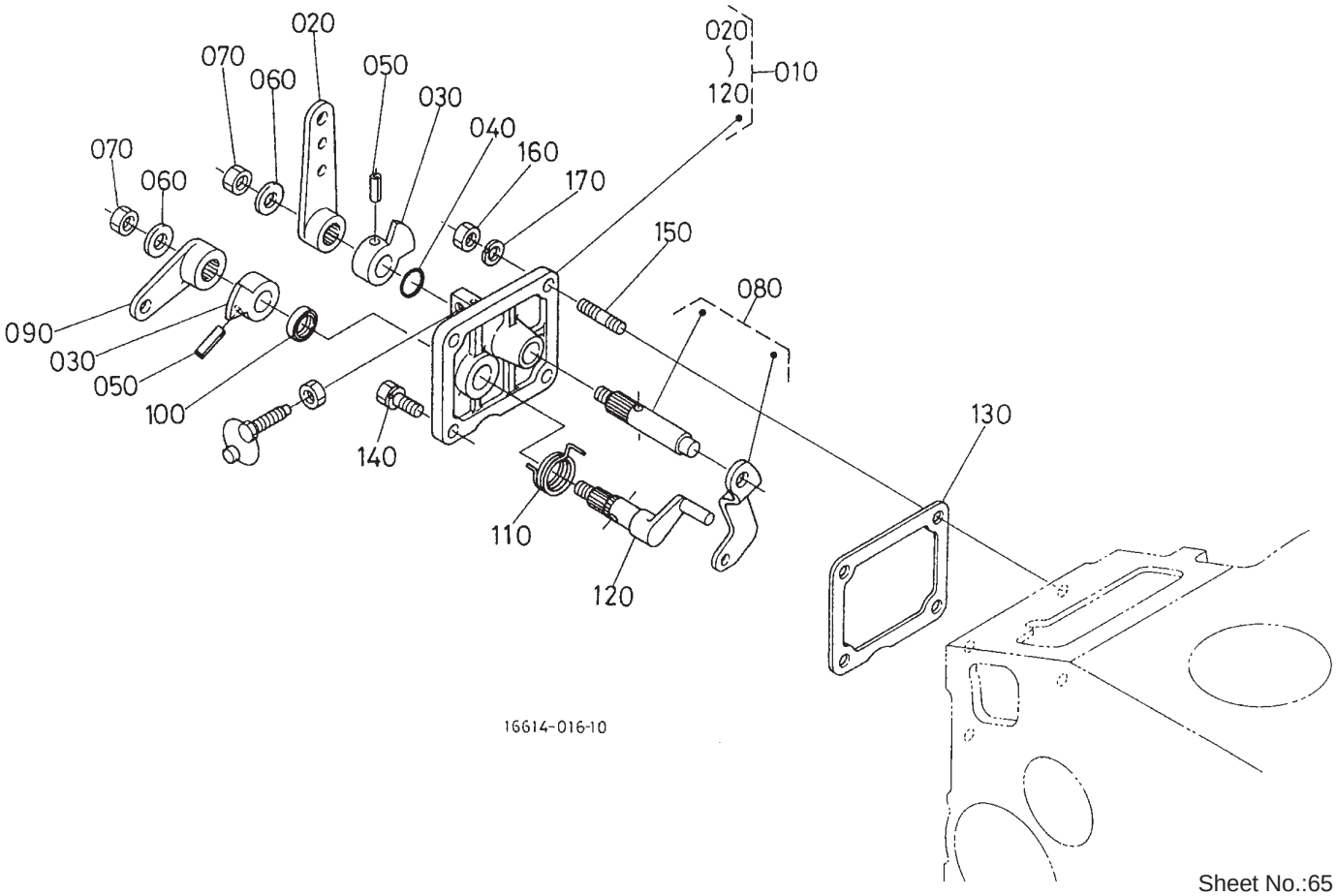


Sheet No.:64

Injection Pump Component Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3727	1	Injection Pump ASM
20	98-9462	4	Element-Pump
30	98-9421	4	Valve-Delivery
40	98-9424	4	Spring-V alve, Delivery
50	98-9425	4	Gasket-V alve, Delivery
60	98-9652	4	Holder-V alve, Delivery
70	98-9447	4	O-Ring
80	98-9434	4	Flange-Sleeve
90	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

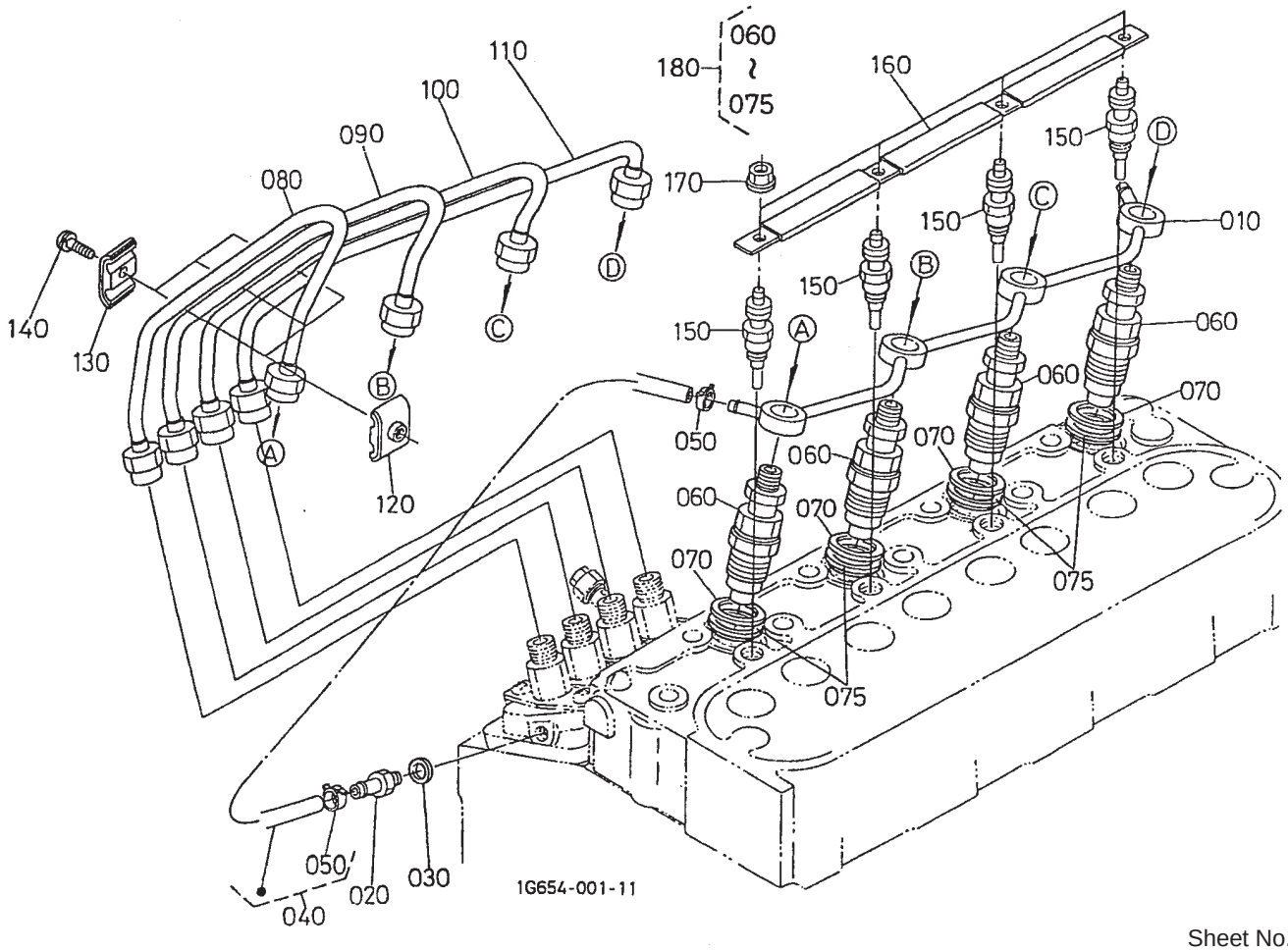


Sheet No.:65

Speed Control Plate Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3735	1	Control Plate ASM
20	98-9662	1	Lever-Control, Speed
30	98-9572	2	Lever-Control, Speed
40	105-3788	1	O-Ring
50	98-7602	2	Pin-Spring
60	98-9594	2	Washer-Plain
70	98-9589	2	Nut
80	98-9658	1	Governor Lever ASM
90	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

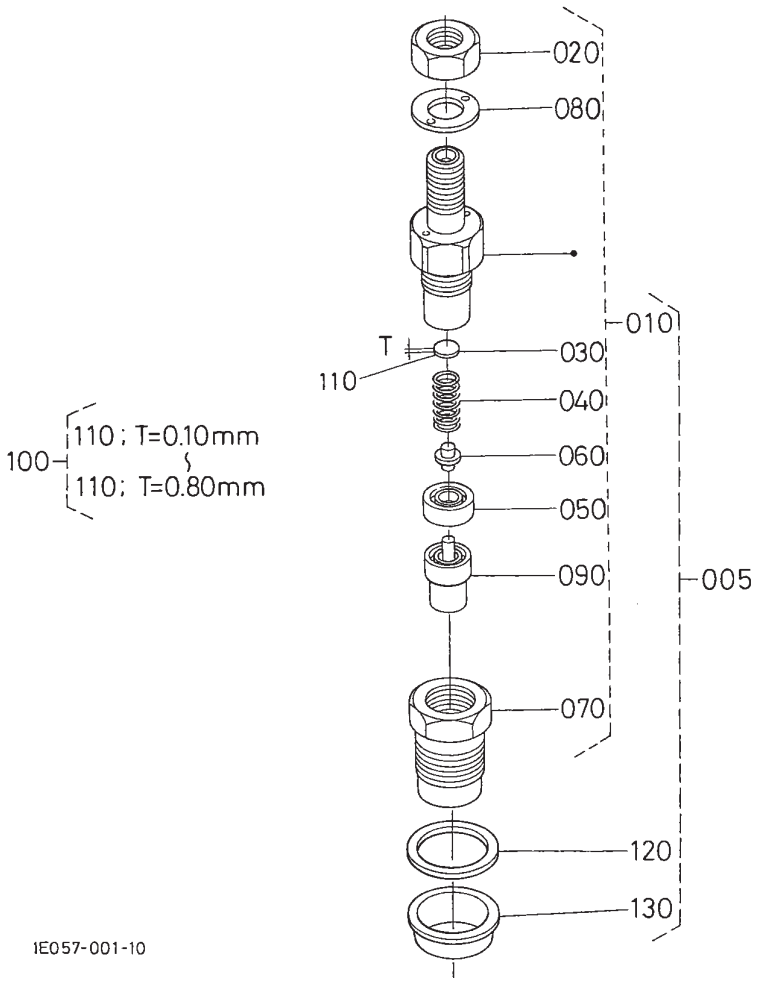


Sheet No.:66

Nozzle Holder and Glow Plug Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3737	1	Over Flow Pipe ASM
20	98-9431	1	Screw-Bleeder
30	98-7654	1	Gasket
40	98-9420	1	Over Flow Pipe ASM
50	98-7671	2	Clip-Pipe
60	98-9468	4	Nozzle Holder ASM
70	98-7676	4	Gasket
75	98-7677	4	Seal
80	98-9622	1	Pipe-Injection
90	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/W asher
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

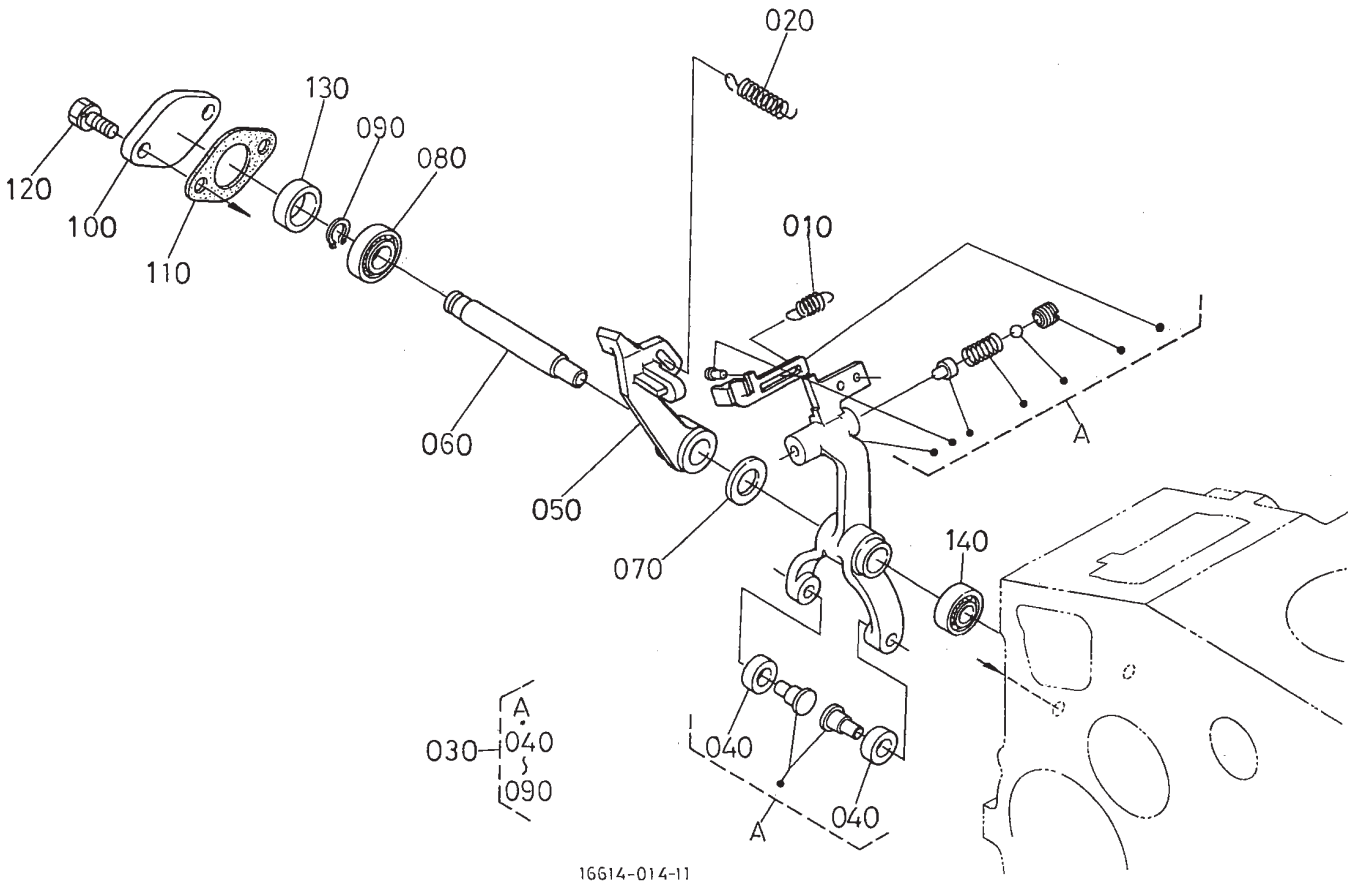
Ref. No.	Part No.	Qty.	Description



Sheet No.:67

Nozzle Holder Component Assembly

Ref. No.	Part No.	Qty.	Description
5	105-3740	4	Kit-Holder , Nozzle
10	98-9468	4	Nozzle Holder ASM
20	99-8301	4	Nut
30	99-8302	4	Washer-Adjusting
40	99-8303	4	Spring-Nozzle
50	99-8304	4	Spacer-Distance
60	99-8305	4	Rod-Push
70	99-8306	4	Nut-Nozzle
80	99-8307	4	Washer-Plain
90	99-8308	4	Piece-Nozzle
100	99-8309	4	Adjusting Washer ASM
110	99-8310	4	Washer-Adjust (0.10mm)
110	99-8311	4	Washer-Adjust (0.20mm)
110	99-8312	4	Washer-Adjust (0.30mm)
110	99-8313	4	Washer-Adjust (0.40mm)
110	99-8314	4	Washer-Adjust (0.50mm)
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)
120	98-7676	4	Gasket
130	98-7677	4	Seal

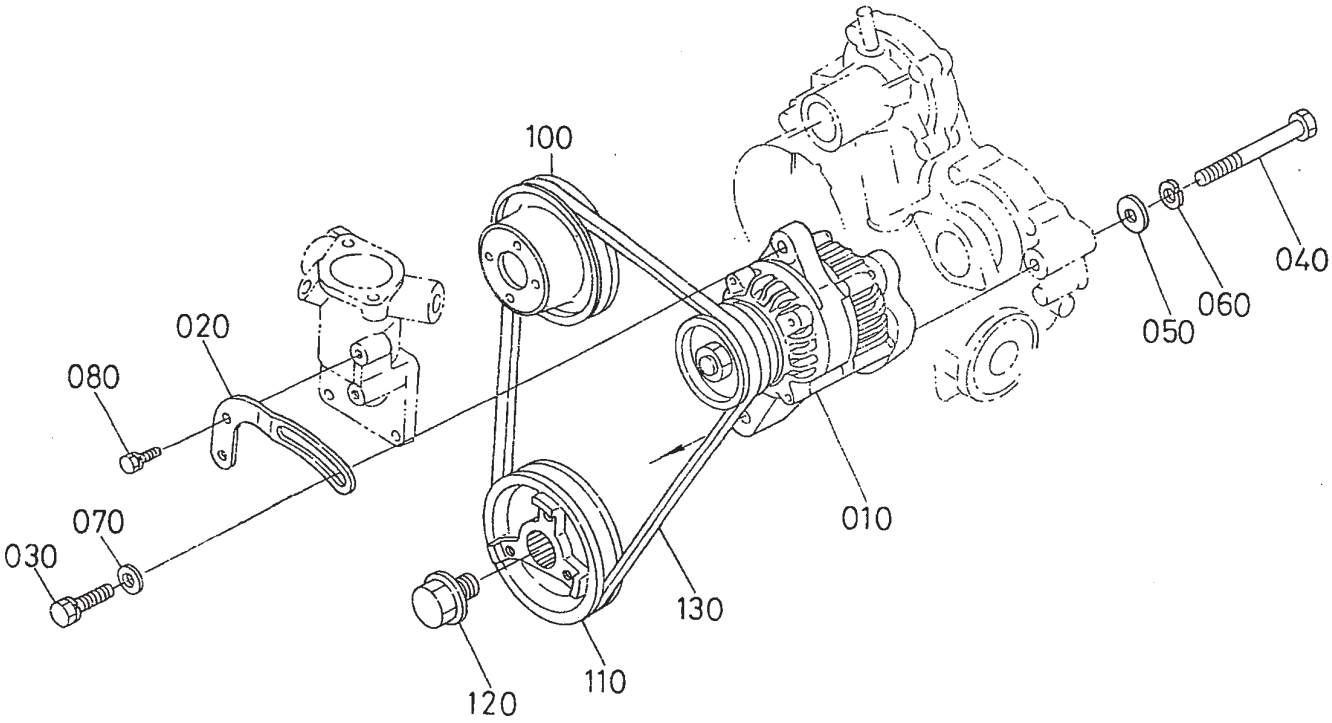


Sheet No.:68

Fork Lever (Governor) Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3741	1	Spring-Start
20	98-9681	1	Spring-Governor
30	105-3742	1	Fork Lever ASM
40	98-9692	2	Roller
50	105-3743	1	Lever-Fork
60	98-9566	1	Shaft-Lever , Fork
70	98-9593	1	Washer-Plain
80	98-9570	1	Bearing-Miniaturize
90	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



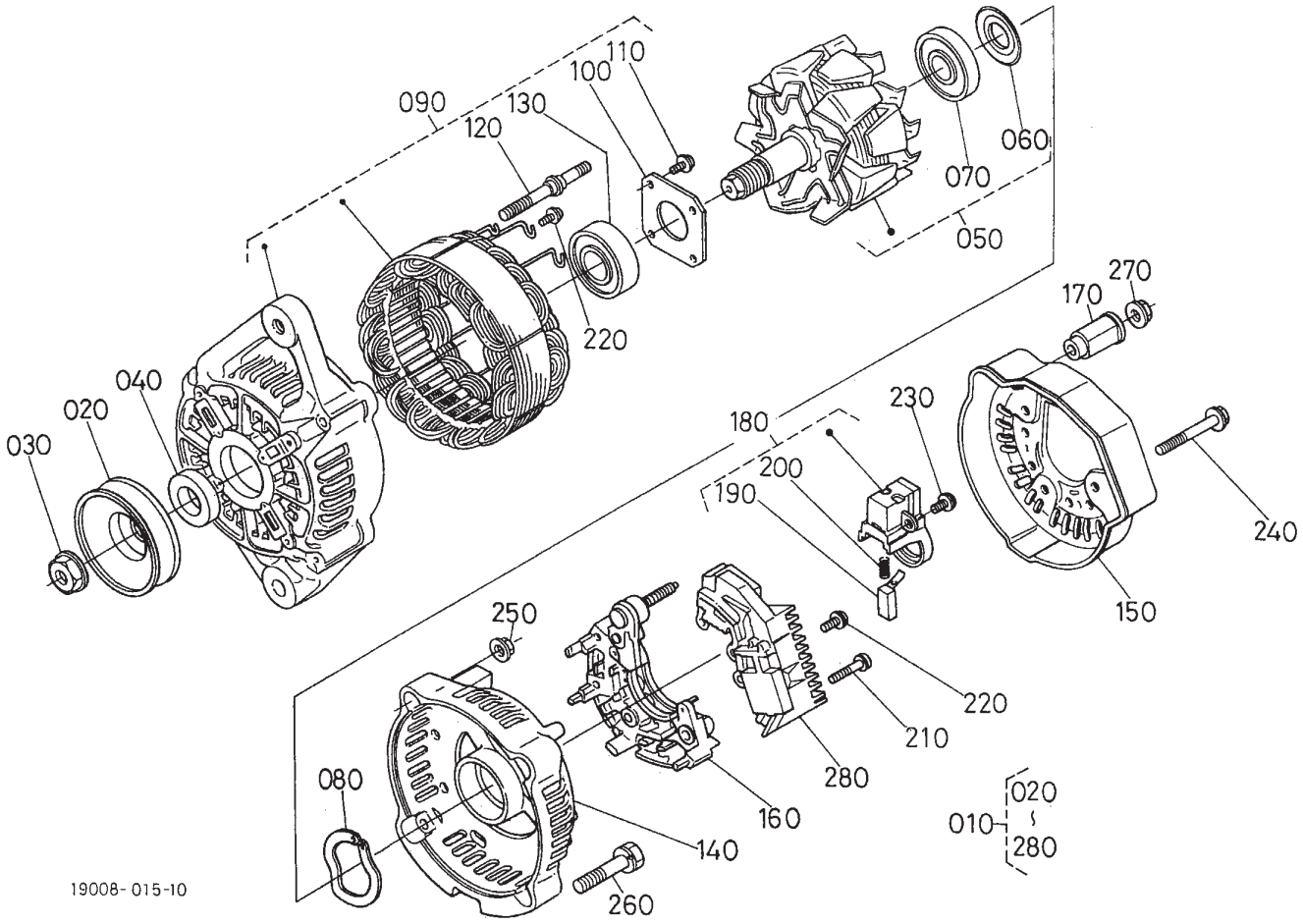
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Alternator and Pulley Assembly

Ref. No.	Part No.	Qty.	Description
10	98-9474	1	Alternator ASM
20	98-9573	1	Stay-Dynamo
30	98-7697	1	Bolt
40	98-9360	1	Bolt
50	33095-00	1	Washer-Flat
60	98-7738	1	Washer-Spring
70	100-9233	1	Washer-Plain
80	98-7692	1	Bolt
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

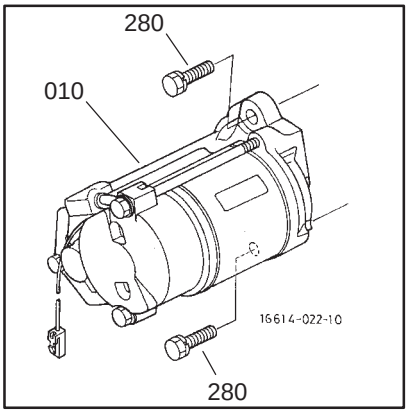


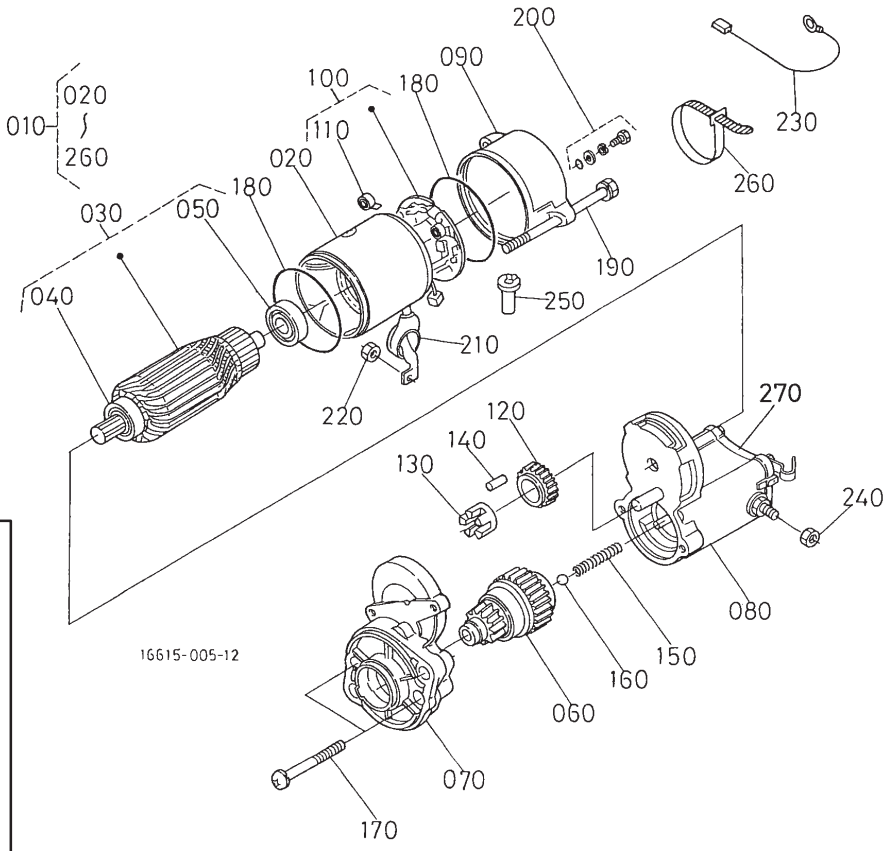
Sheet No.:70

Alternator Component Assembly

Ref. No.	Part No.	Qty.	Description
10	98-9474	1	Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	98-7709	1	Collar
50	98-7710	1	Rotor
60	98-7711	1	Cover-Bearing
70	98-7712	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	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



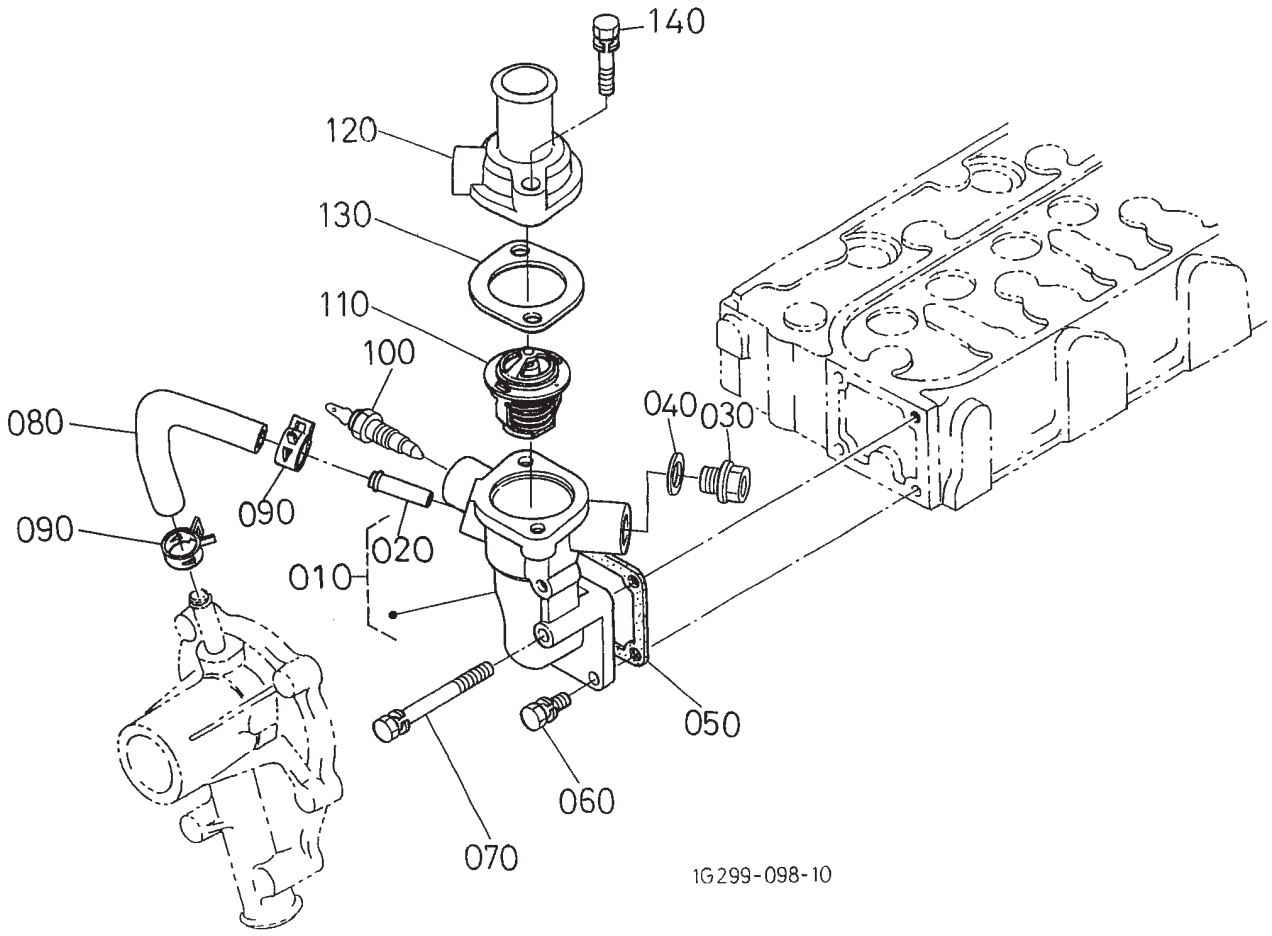


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Starter Assembly

Ref. No.	Part No.	Qty.	Description
10	98-9705	1	Starter ASM
20	104-8608	1	Yoke ASM
30	98-7742	1	Armature ASM
40	98-7744	1	Bearing
50	98-7743	1	Bearing
60	99-8373	1	Clutch-Running, Over
70	99-8374	1	Frame-End, Drive
80	105-3746	1	Magnetic Switch ASM
90	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

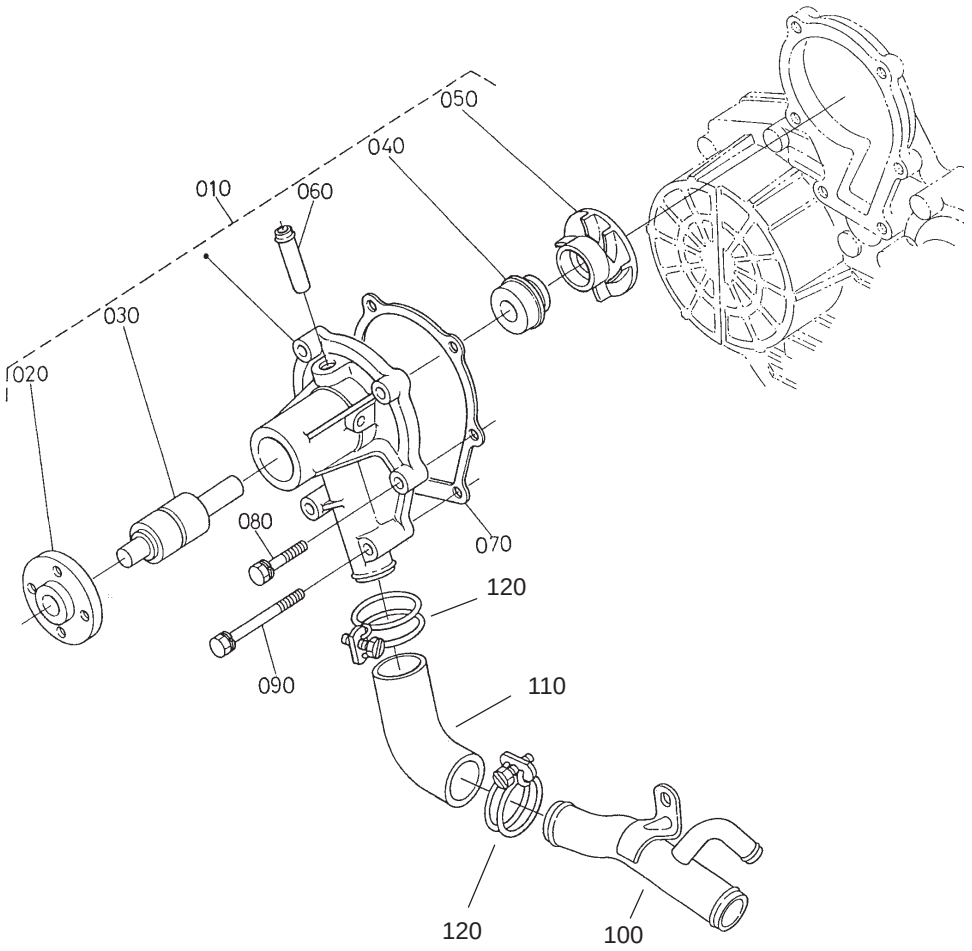


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Water Flange and Thermostat Assembly

Ref. No.	Part No.	Qty.	Description
10	98-9713	1	Water Flange ASM
20	98-9580	1	Pipe-Return, Water
30	105-3747	1	Plug
40	99-3583	1	Packing
50	98-9638	1	Gasket-Flange, Water
60	98-7692	3	Bolt
70	98-9356	1	Bolt
80	98-9578	1	Pipe-Return, Water
90	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

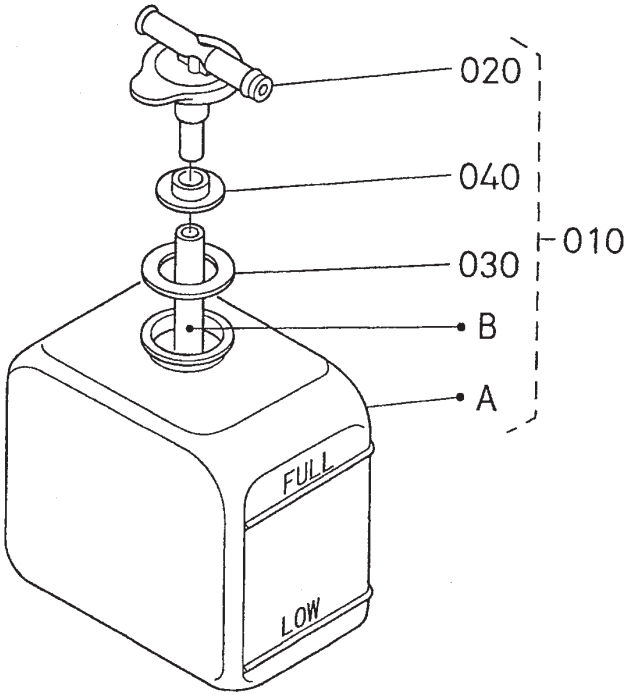


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Water Pump Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3749	1	Water Pump ASM
20	99-3516	1	Flange-Pump, Water
30	99-3517	1	Bearing-Pump, Water
40	105-3750	1	Mechanical Seal ASM
50	99-3519	1	Impeller-Pump, Water
60	105-3751	1	Pipe-Return, Water
70	99-3454	1	Gasket-Pump, Water
80	98-9353	4	Bolt
90	98-9357	2	Bolt
100	105-3752	1	Pipe-W ater
110	98-9574	1	Pipe-W ater
120	98-9717	2	Clamp

Ref. No.	Part No.	Qty.	Description

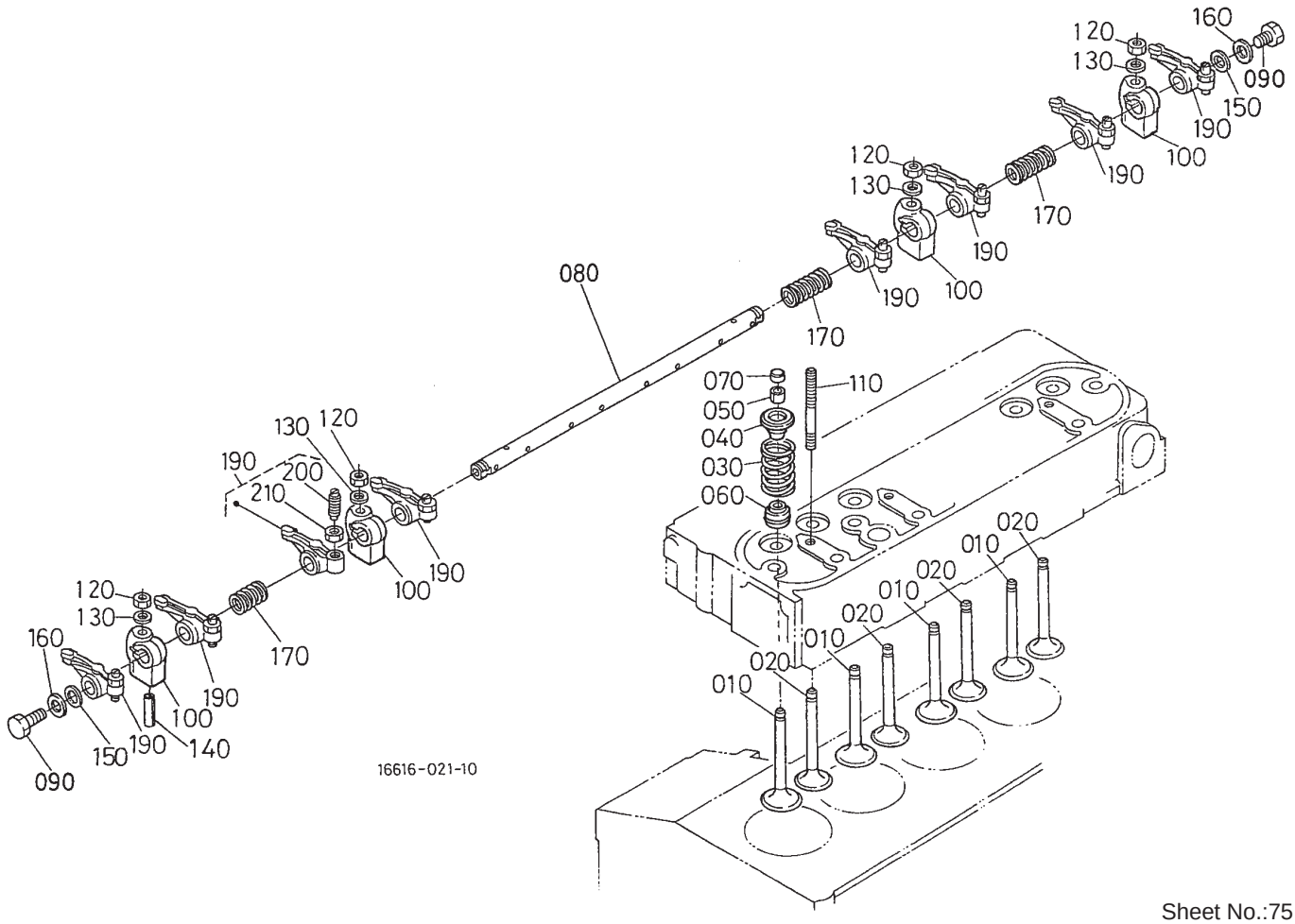


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Reserve Tank Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3753	1	Reserve Tank ASM
20	105-3754	1	Cap
30	105-3755	1	Gasket
40	105-3756	1	Plate

Ref. No.	Part No.	Qty.	Description

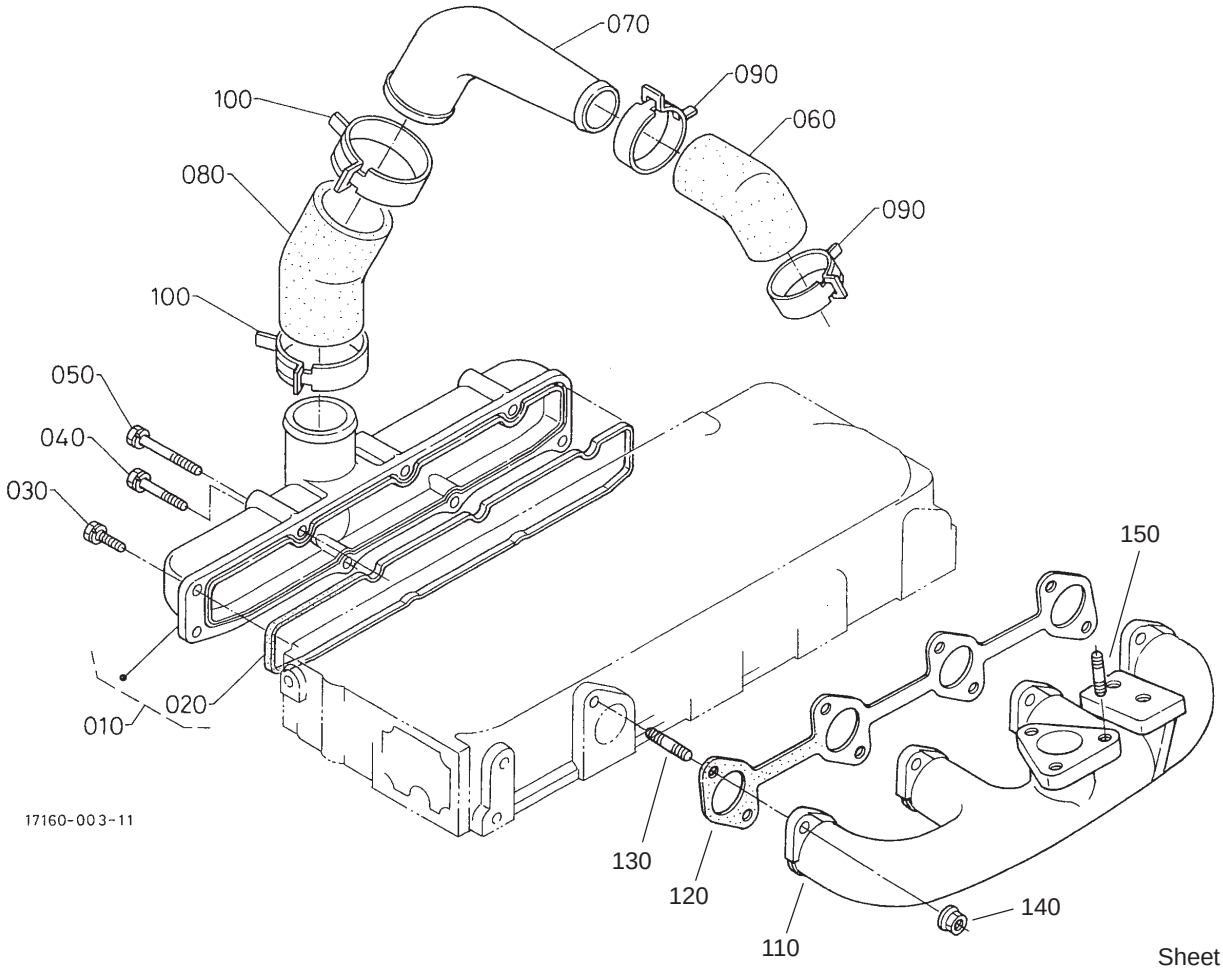


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Valve and Rocker Arm Assembly

Ref. No.	Part No.	Qty.	Description
10	98-9494	4	Valve-Inlet
20	98-9625	4	Valve-Exhaust
30	98-9626	8	Spring-V alve
40	98-9498	8	Retainer-V alve
50	98-9390	8	Collet-Set, Valve Spring
60	99-8385	8	Seat-Stem, Valve
70	98-9497	8	Cap-V alve
80	105-3757	1	Shaft-Arm, Rocker
90	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	Screw-Adjusting
210	98-9503	8	Nut

Ref. No.	Part No.	Qty.	Description

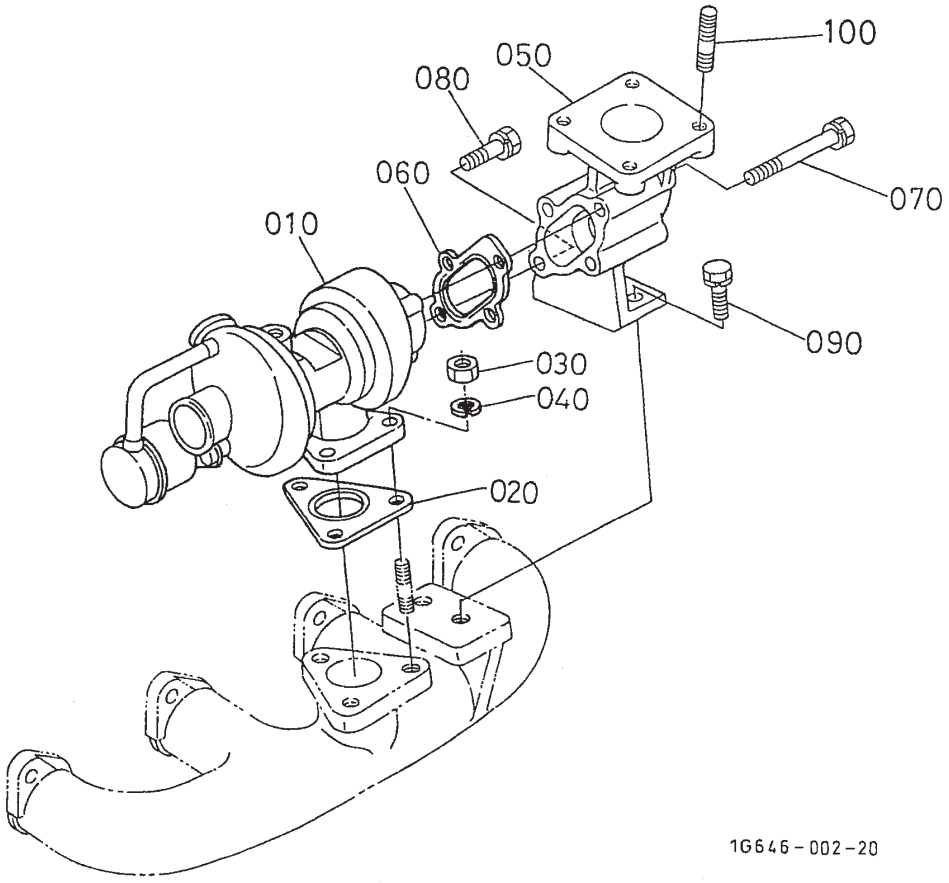


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Inlet/Exhaust Manifold Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3759	1	Inlet Manifold ASM
20	105-3760	1	Gasket-In-Manifold
30	98-7605	3	Bolt
40	98-9353	2	Bolt
50	105-3797	3	Bolt
60	105-3761	1	Pipe-Inlet
70	105-3762	1	Pipe-Inlet
80	105-3763	1	Pipe-Inlet
90	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

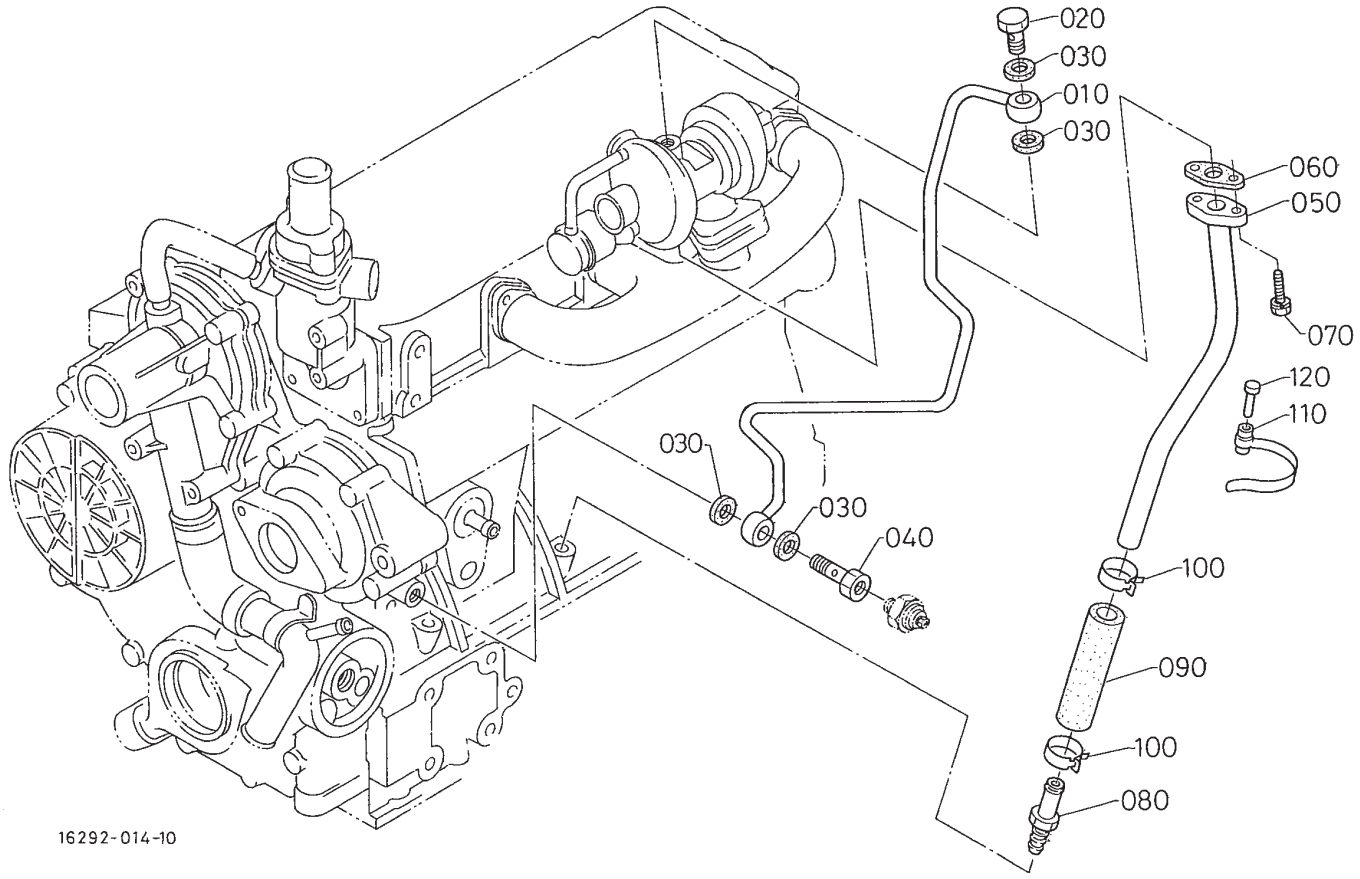


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Turbo Charger Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3766	1	Turbo Charger ASM
20	105-3767	1	Gasket
30	100-1559	3	Nut-Manifold, Exhaust
40	105-2893	3	Washer-Spring
50	99-8335	1	Flange-Muf fler
60	105-3768	1	Gasket
70	105-2894	3	Bolt
80	105-2895	1	Bolt
90	98-7610	2	Bolt
100	98-7769	4	Stud

Ref. No.	Part No.	Qty.	Description

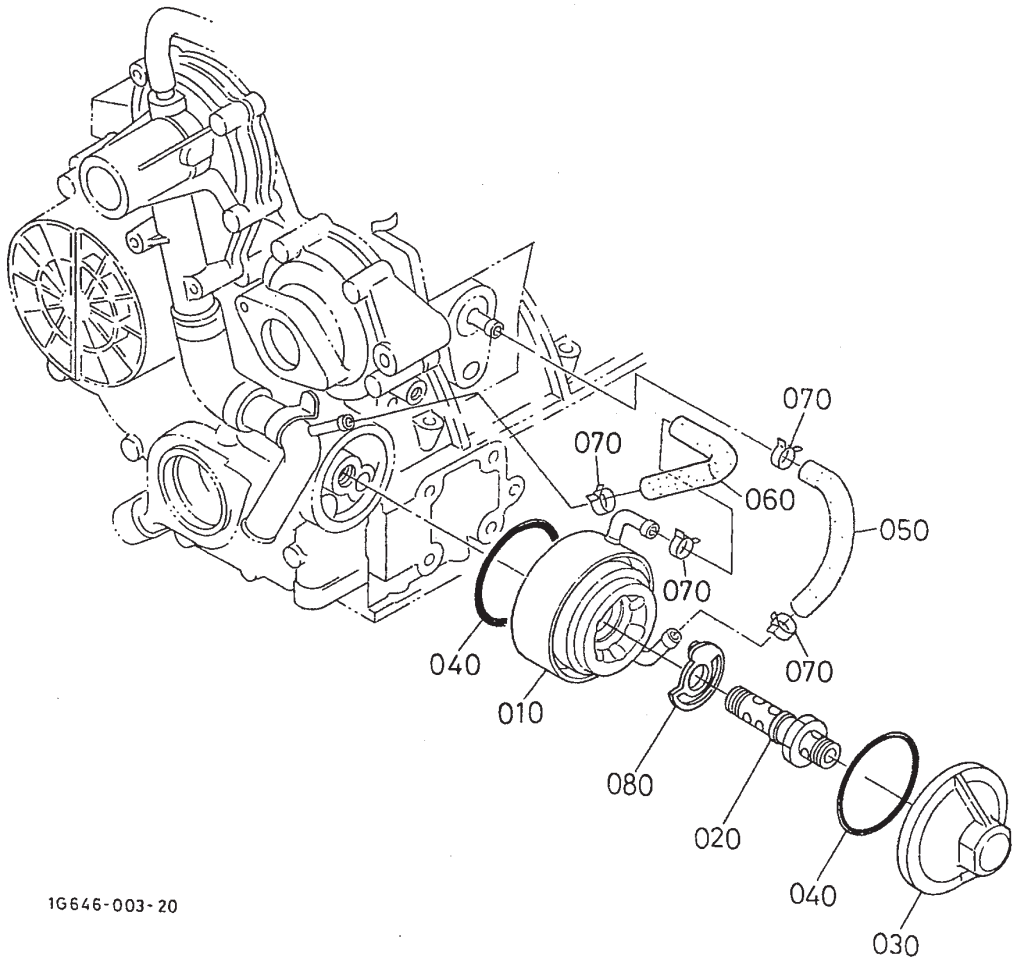


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Oil Pipe (Turbo Charger) Assembly

Ref. No.	Part No.	Qty.	Description
10	105-3769	1	Pipe-Oil, Complete
20	98-9418	1	Bolt-Joint, Eye
30	99-8346	4	Gasket
40	98-9417	1	Bolt-Joint, Eye
50	105-3770	1	Pipe-Oil,Complete
60	98-9435	1	Gasket-Oil Return, Turbo
70	98-7568	2	Bolt
80	105-3771	1	Pipe-Oil, Complete
90	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

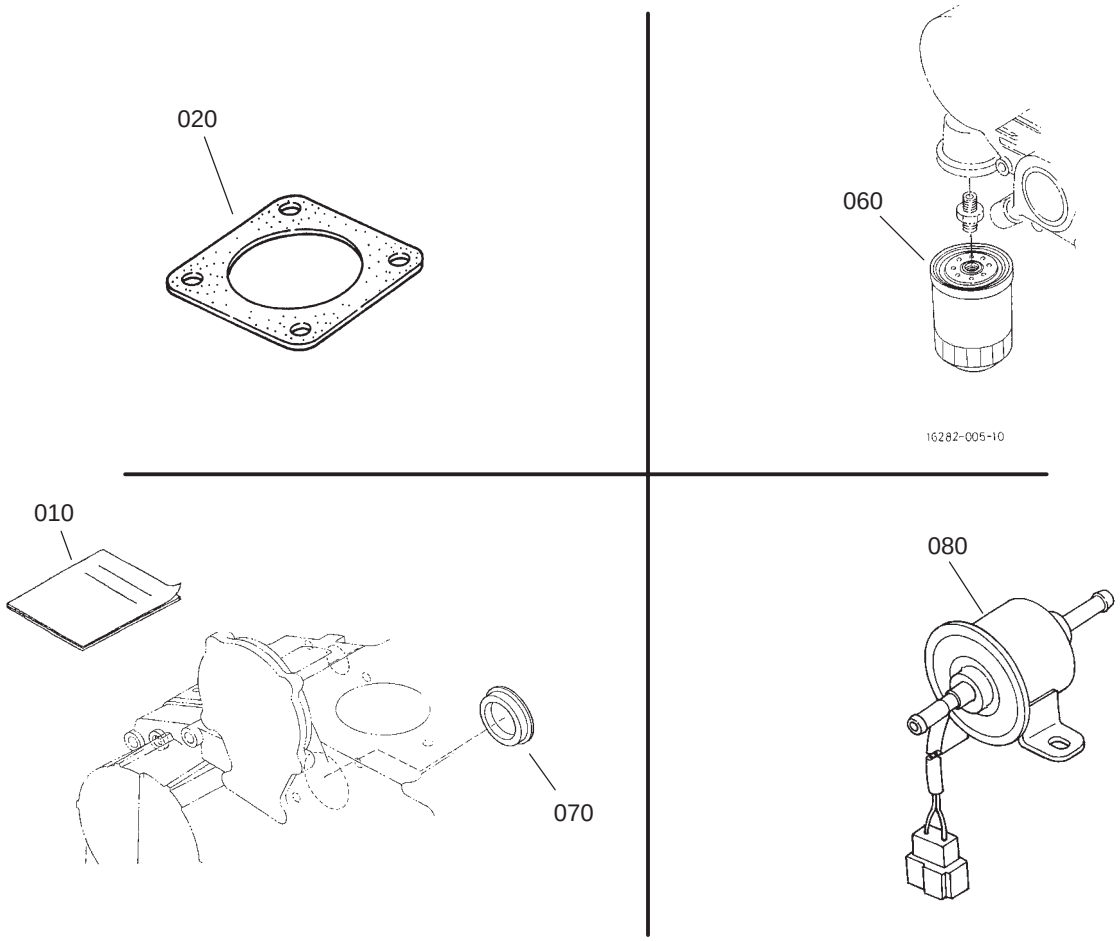


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Oil Cooler Assembly

Ref. No.	Part No.	Qty.	Description
10	104-5158	1	Oil Cooler ASM
20	106-7054	1	Holder ASM
30	105-3773	1	Cover-Cooler , Oil
40	98-9729	2	O-Ring
50	98-9724	1	Pipe-Cooler , Oil
60	98-9578	1	Pipe-Return, Water
70	98-9579	4	Band-Pipe
80	105-3774	1	Collar

Ref. No.	Part No.	Qty.	Description

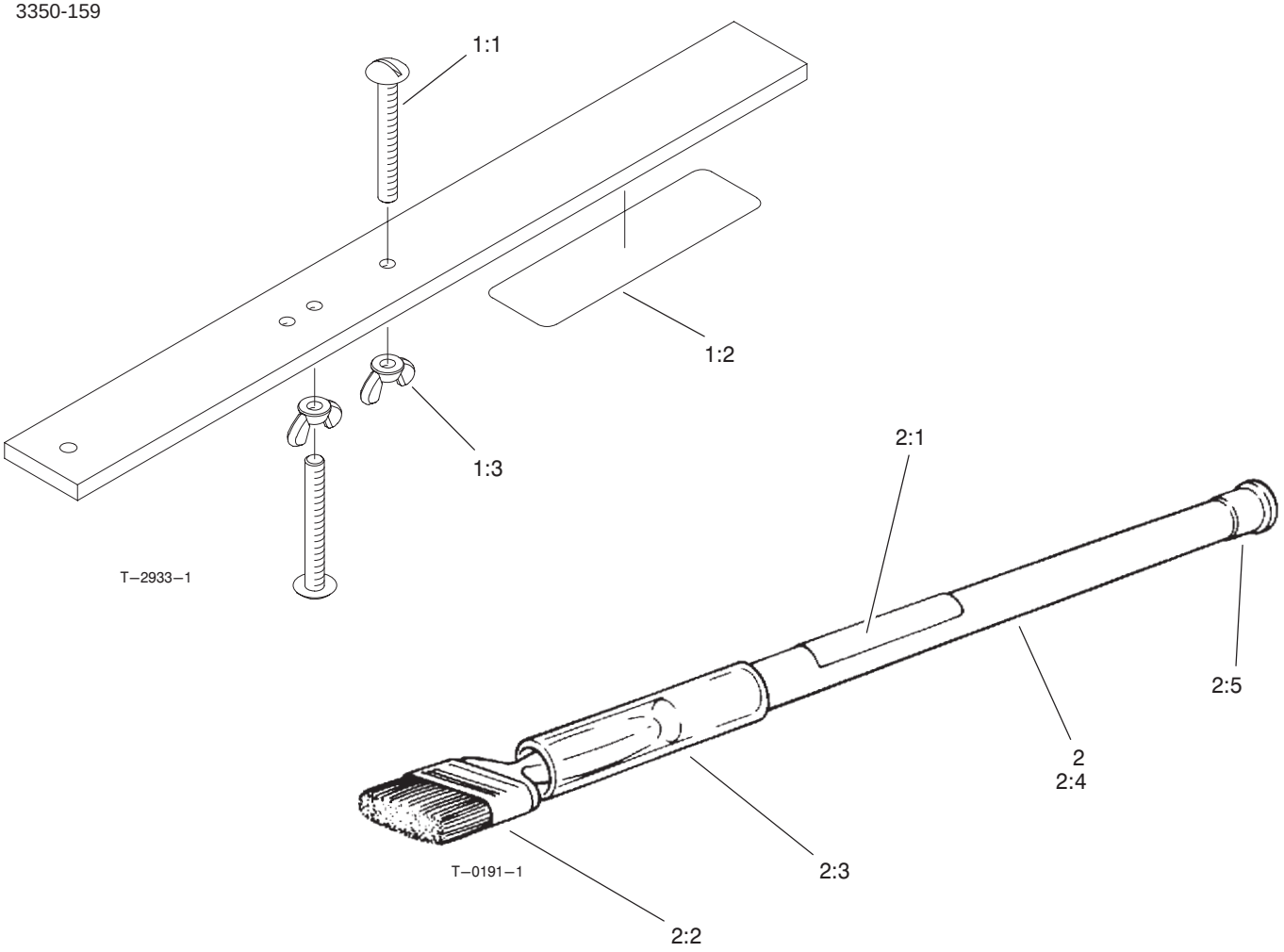


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Miscellaneous Parts

Ref. No.	Part No.	Qty.	Description
10	99-8954	1	Manual-Operator , Kubota
20	99-8343	1	Gasket-Muf fler
60	99-8384	1	Filter-Oil
70	98-9640	1	Cover-Pump
80	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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