Form No. 3329-651

Greensmaster® 3250-D

Traction Unit

Model No. 04383—230000601 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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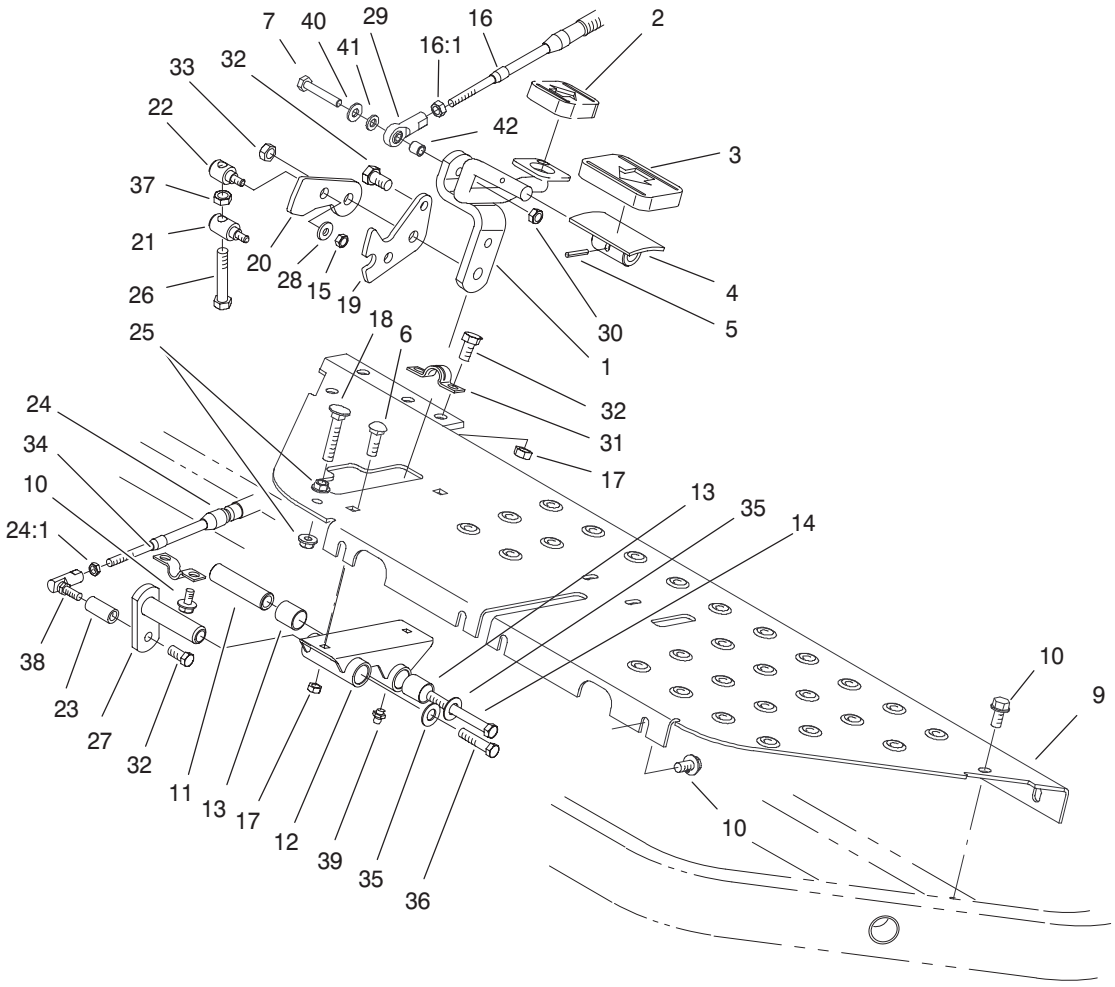
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Part Description Abbreviations

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
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

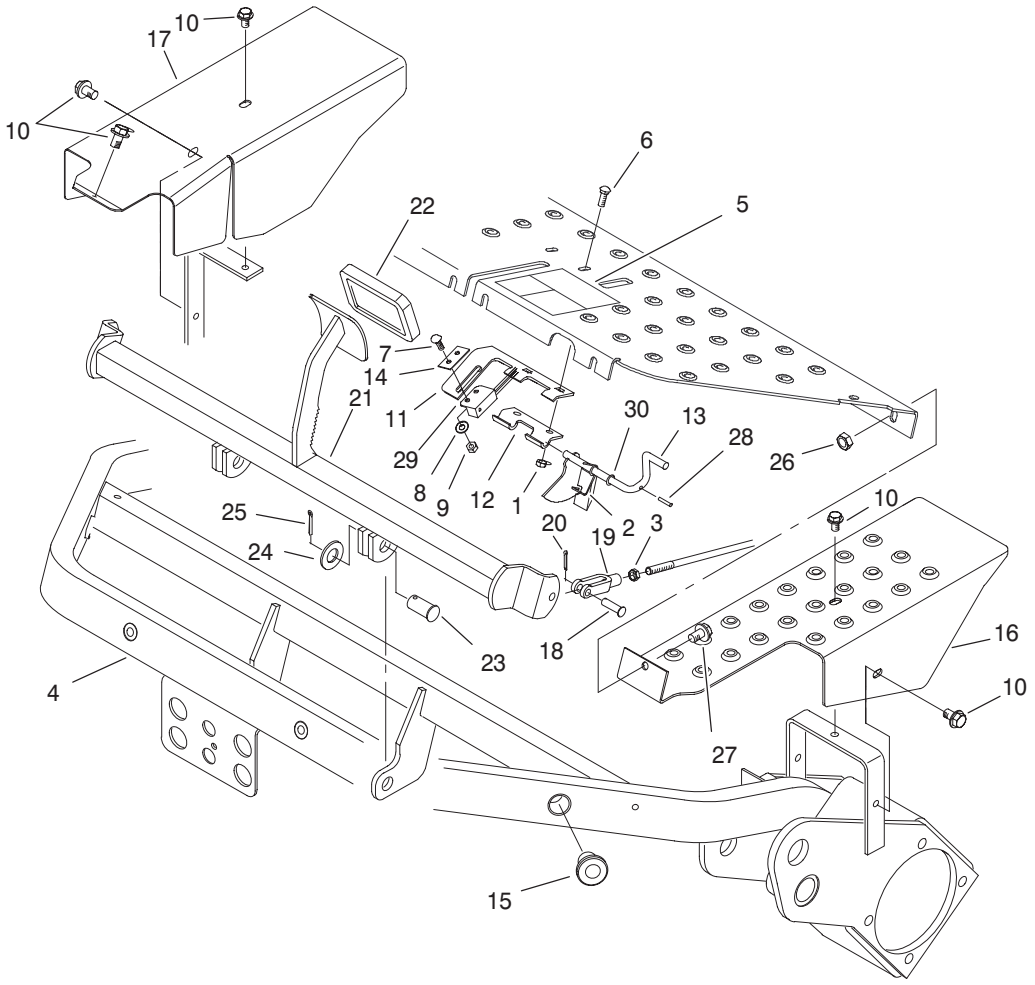


Sheet No.:2

Traction Control Assembly

Ref. No.	Part No.	Qty.	Description
1	93-2085-01	1	Rod
2	74-91 10	1	Pad-Pedal, Reverse
3	74-9100	1	Pad-Pedal, Forward
4	49-6440-03	1	Pedal-Forward
5	32121-45	1	Pin-Spring
6	33124-020	2	Screw-CARR
7	321-9	1	Screw-HH
9	105-9750-01	1	Plate-Floor
10	32144-14	8	Tscrew-HWH
11	94-1371	1	Spacer
12	94-1383	1	Pedal-Pivot
13	256-31 1	4	Bushing-Split
14	33115-090	1	Screw-HH
15	33023-00	2	Nut-Lock
16	93-2099	1	Cable-Control, Traction
16:1	3220-1	2	Nut-Jam
17	33024-00	4	Nut-Lock
18	17-9420	1	Screw-Handle
19	94-1373	1	Bracket-Lock
20	94-1372	1	Bracket-Mow
21	94-1375	1	Trunnion-Bracket, Lock
22	94-1374	1	Trunnion-Bracket, Mow
23	94-1386	1	Shaft-Pedal, Pivot

Ref. No.	Part No.	Qty.	Description
24	94-1304	1	Cable-Lock, Neutral
24:1	3219-14	2	Nut-Hex
25	32128-20	2	Nut-HF
26	94-3489	1	Capscrew-HH
27	94-1300	1	Lock-Neutral
28	3256-1	2	Washer-Flat
29	2411-41	1	Joint-Ball
30	3296-56	1	Nut-Lock, NI
31	93-2092	1	Clamp-Cable
32	33114-016	4	Screw-HH
33	33025-00	1	Nut-Lock
34	93-2279	1	Clamp-Cable
35	3256-24	2	Washer-Flat
36	33115-016	1	Screw-HH
37	33014-00	1	Nut-Hex
38	2411-38	1	Joint-Ball
39	302-5	1	Fitting-Grease
40	3256-22	1	Washer-Flat
41	33093-00	1	Washer-Flat
42	99-3545	1	Spacer

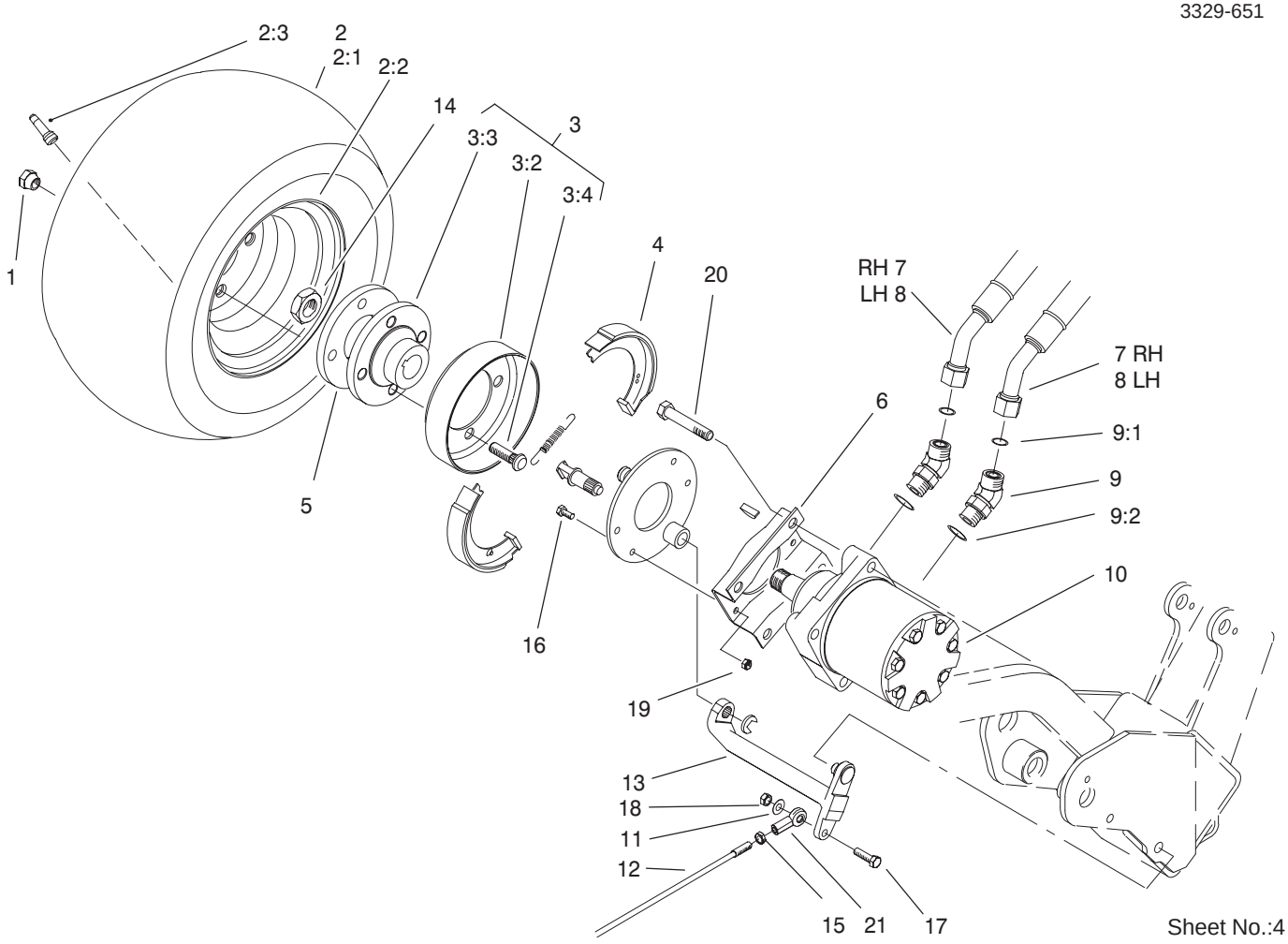


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Brake Pedal Assembly

Ref. No.	Part No.	Qty.	Description
1	33023-00	2	Nut-Lock
2	104-7704	1	Spring-Latch, Brake
3	3220-2	2	Nut
4	93-2010-01	1	Frame
5	93-8062	1	Decal-Brake, Parking
6	33123-016	2	Screw-CARR
7	33123-016	1	Screw-CARR
8	48-8010	1	Washer
9	49-7810	1	Nut-Lock
10	32144-14	5	Tscrew-HWH
11	104-2096	1	Bracket-Switch
12	104-7703	1	Hinge-Lower
13	104-2094	1	Brake-Latch
14	104-7702	1	Plate-Switch
15	83-1700	3	Bushing-Flange
16	93-2073-01	1	Shield-Wheel, LH
17	93-2072-01	1	Shield-Wheel, RH
18	283-61	2	Pin-Yoke
19	282-2	2	Yoke
20	3272-6	2	Pin-Cotter
21	93-2075-01	1	Pedal-Brake
22	93-7629	1	Pad-Foot, Brake
23	283-87	2	Pin-Clevis
24	3256-27	2	Washer-Flat
25	3272-11	2	Pin-Cotter
26	33024-00	1	Nut-Lock

Ref. No.	Part No.	Qty.	Description
27	33114-020	1	Screw-HH
28	32121-50	1	Pin-Spring
29	104-2057	1	Sensor
30	75-5470	1	Spacer-Bearing



Sheet No.:4

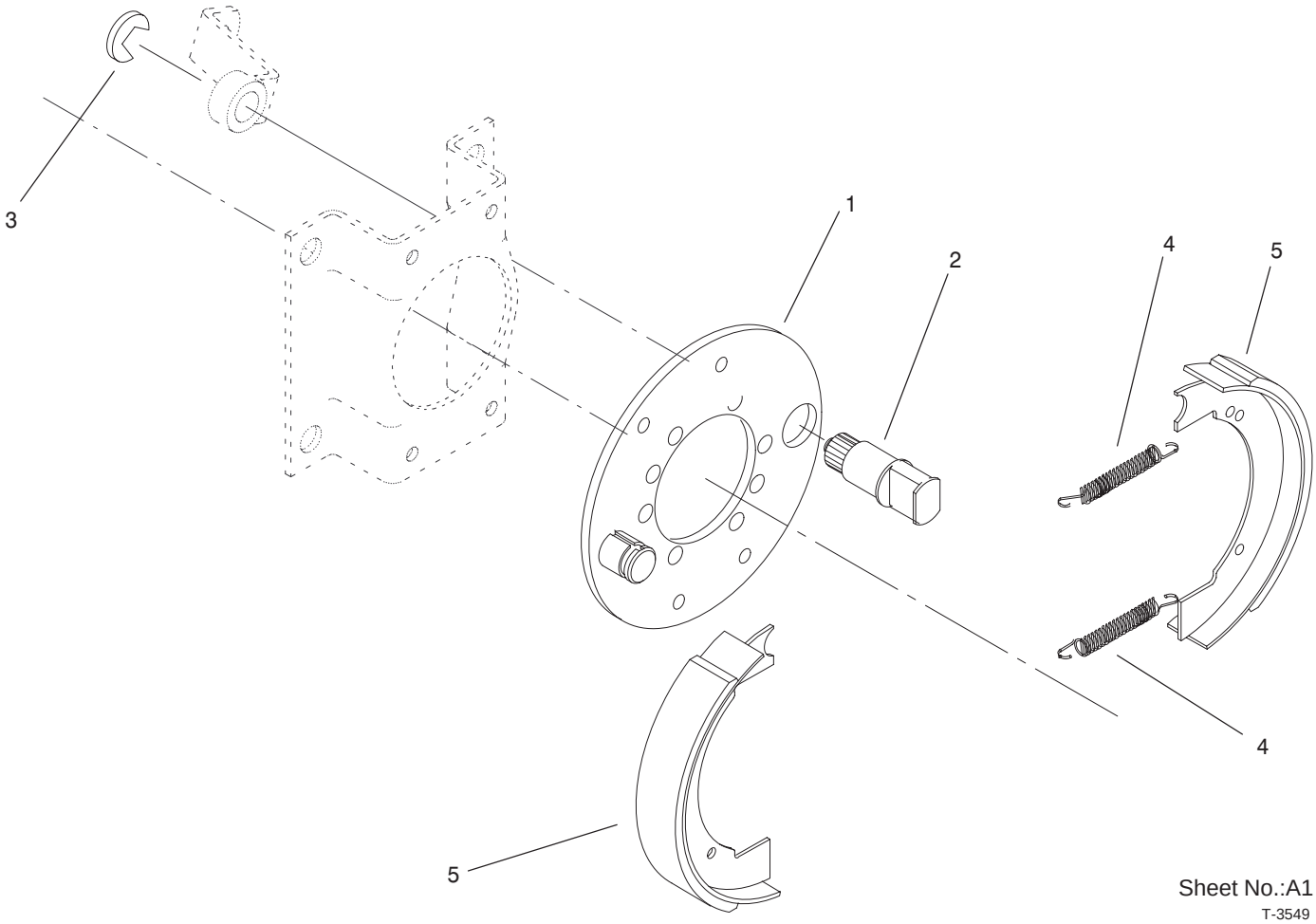
Front Wheel and Brake Assembly

Ref. No.	Part No.	Qty.	Description
1	242-50	8	Nut-Lug
☆2		2	Wheel And Tire ASM
2:1	70-8500	1	Tire
2:2	94-61 16	1	Wheel-Rear
2:3	232-27	1	Stem-V alve
3	10-6821	2	Brake Drum ASM
3:2	10-6850	1	Drum-Brake
3:3	10-6870-03	1	Hub-Wheel
3:4	85-6540	4	Stud-Drive
4	104-7705	2	Brake ASM
5	92-9154-03	2	Plate-Bearing
6	84-2000-03	2	Bracket-Brake
7	94-5357	2	Hose ASM
8	94-5358	2	Hose ASM
9	340-14	4	Fitting-HYD, 45°
9:1	237-65	1	O-Ring
9:2	237-80	1	O-Ring
10	92-9199	2	Motor-Wheel, HYD
11	3256-23	2	Washer-Flat
12	93-2069	2	Rod-Brake
13	93-2096	2	Lever-Brake
14	26-3790	2	Nut-Lock
15	3220-20	2	Nut-Jam
16	33113-020	8	Screw-HH
17	33114-030	2	Screw-HH
18	33024-00	2	Nut-Lock

Ref. No.	Part No.	Qty.	Description
19	33023-00	8	Nut-Lock
20	33116-060	8	Screw-HH
21	93-2070	2	Clevis-Swivel

☆ Not serviced separately

3329-651



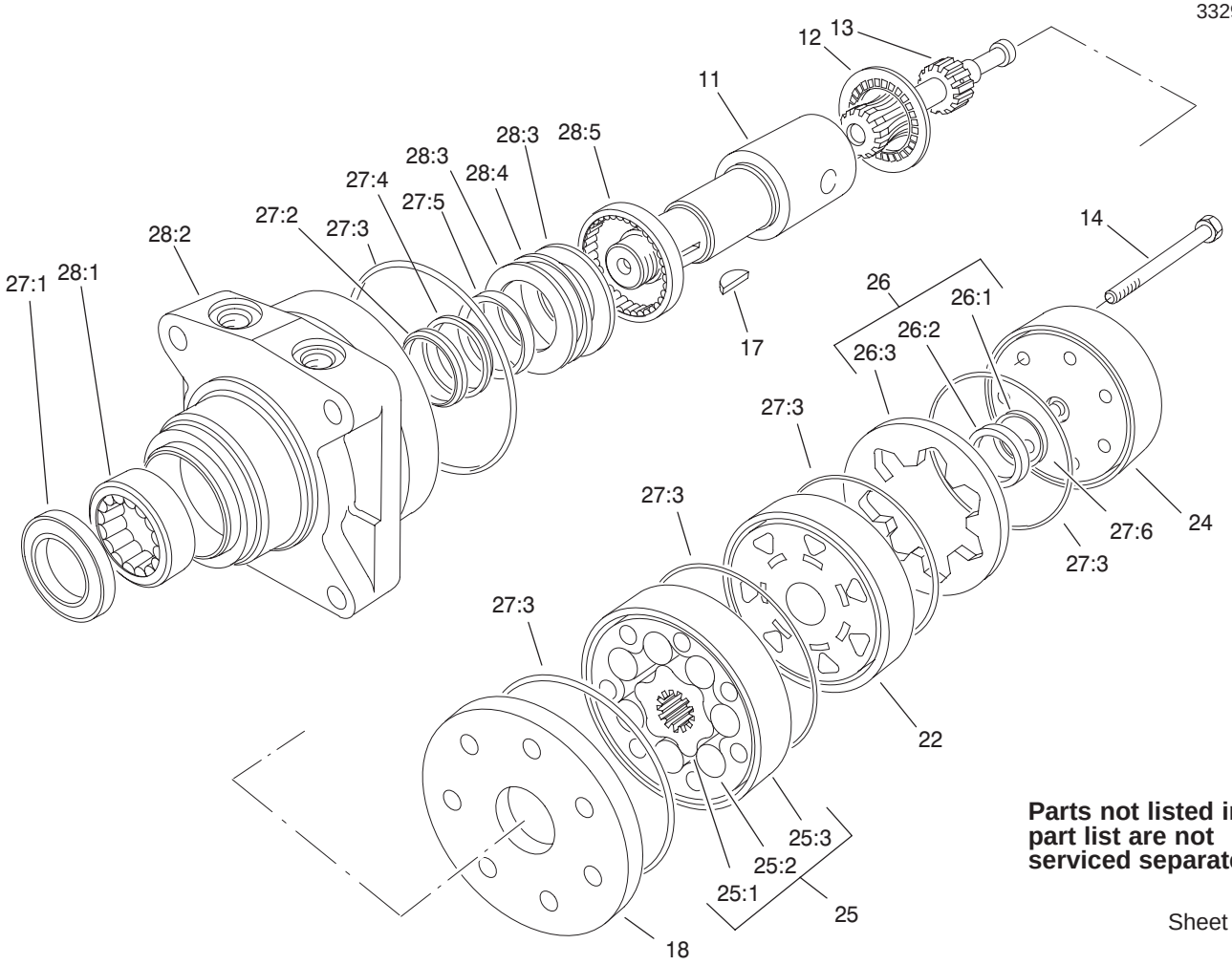
Sheet No.:A1

T-3549

Brake Assembly No. 104-7705

Ref. No.	Part No.	Qty.	Description
1	70-9870	1	Plate-Backing
2	104-7707	1	Shaft-Cam, Brake
3	104-7706	1	E-Ring-Bowed
4	70-9880	2	Spring-Return
5	70-9840	2	Shoe-Brake

Ref. No.	Part No.	Qty.	Description



Parts not listed in part list are not serviced separately

Sheet No.:A2

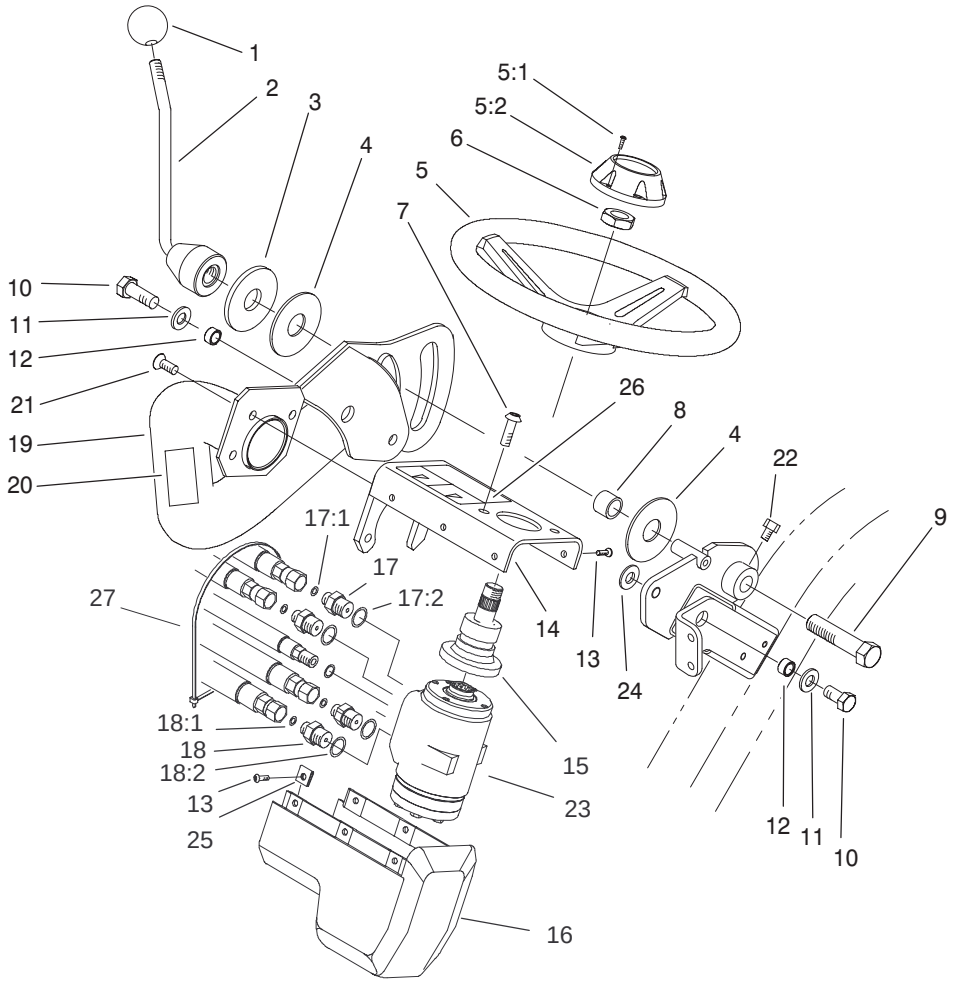
T-3356

Hydraulic Motor Assembly No. 92-9199

Ref. No.	Part No.	Qty.	Description
11	76-0860	1	Shaft-Coupling
12	76-0850	1	Bearing-Thrust
13	92-9761	1	Link-Drive
14	92-9762	7	Screw-HH
17	3257-42	1	Key-W oodruff
18	76-0870	1	Plate-W ear
22	76-0840	1	Manifold
24	76-0940	1	End Cover ASM
25	92-9763	1	Rotor Set
☆25:1		1	Rotor
☆25:2		1	Vane
☆25:3		1	Stator
26	76-0880	1	Commutator ASM
☆26:1		1	Seal-Commutator
☆26:2		1	Commutator
☆26:3		1	Ring-Commutator
27	94-8178	1	Seal Kit
☆27:1		1	Seal-Dirt And Water
☆27:2		1	Washer-Backup
☆27:3		5	Seal-Ring
☆27:4		1	Washer-Backup
☆27:5		1	Seal-Inner
☆27:6		1	Seal-Commutator
28	76-0810	1	Housing ASM
☆28:1		1	Bearing
☆28:2		1	Housing

Ref. No.	Part No.	Qty.	Description
☆28:3		2	Washer-Thrust
☆28:4		1	Bearing-Thrust
☆28:5		1	Bearing

☆ Not serviced separately

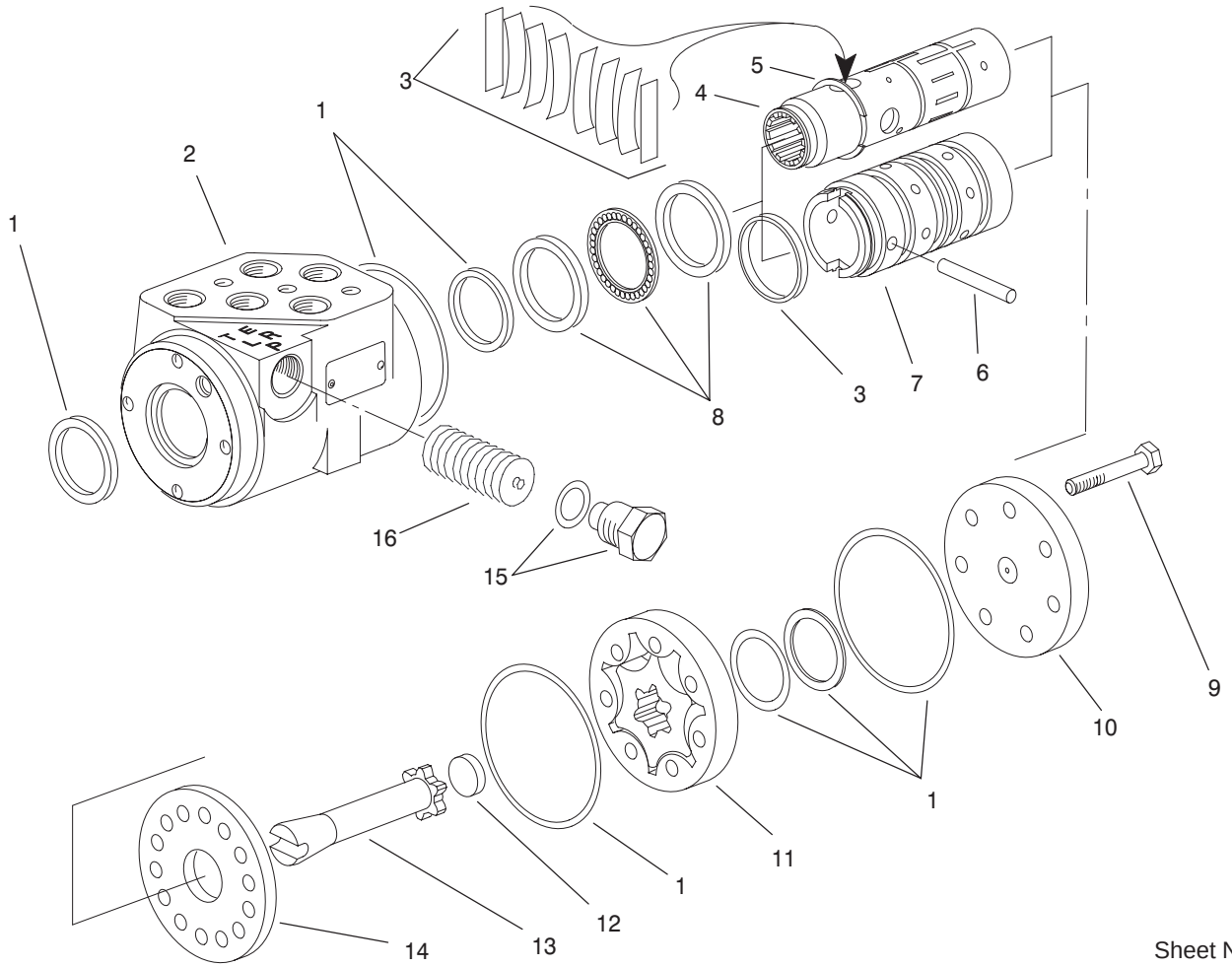


Sheet No.:5

Steering Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	233-48	1	Knob
2	93-2400-03	1	Handle-Lockup
3	83-0760	1	Spacer-Plate, Lockup
4	83-0740	2	Disc-Friction
5	75-0560	1	Wheel-Steering
5:1	32144-21	1	Screw
5:2	68-5140	1	Cap-Wheel, Steering
6	94-9952	1	Nut-Hex
7	33103-016	4	Screw-HHF
8	83-0730	1	Spacer-Lockup
9	93-2199	1	Screw-HH, RH
10	325-4	2	Screw-HH
11	3256-26	2	Washer-Flat
12	47-2890	2	Bushing
13	3274-39	6	Screw-HSBH
14	105-9791-03	1	Steering Cover ASM
15	105-0425	1	Steering Column ASM
16	83-0810	1	Cover-Steering
17	340-1	2	Adapter
17:1	237-35	1	O-Ring
17:2	237-42	1	O-Ring
18	340-2	2	Fitting-HYD, Straight
18:1	237-22	1	O-Ring
18:2	237-42	1	O-Ring
19	93-21 15-01	1	Arm-Steering
20	93-8068	1	Decal-Arm, Steering

Ref. No.	Part No.	Qty.	Description
21	3274-80	3	Screw-HH
22	3242-2	1	Screw-SQH
23	105-0424	1	Valve-Control, Steering
24	65-6390	1	Washer-Thrust, Plain
25	3290-277	6	Nut-Speed
26	93-8063	1	Decal-Caution, Ce
26	104-2053	1	Decal-W arning
27	3290-379	1	Tie-Cable



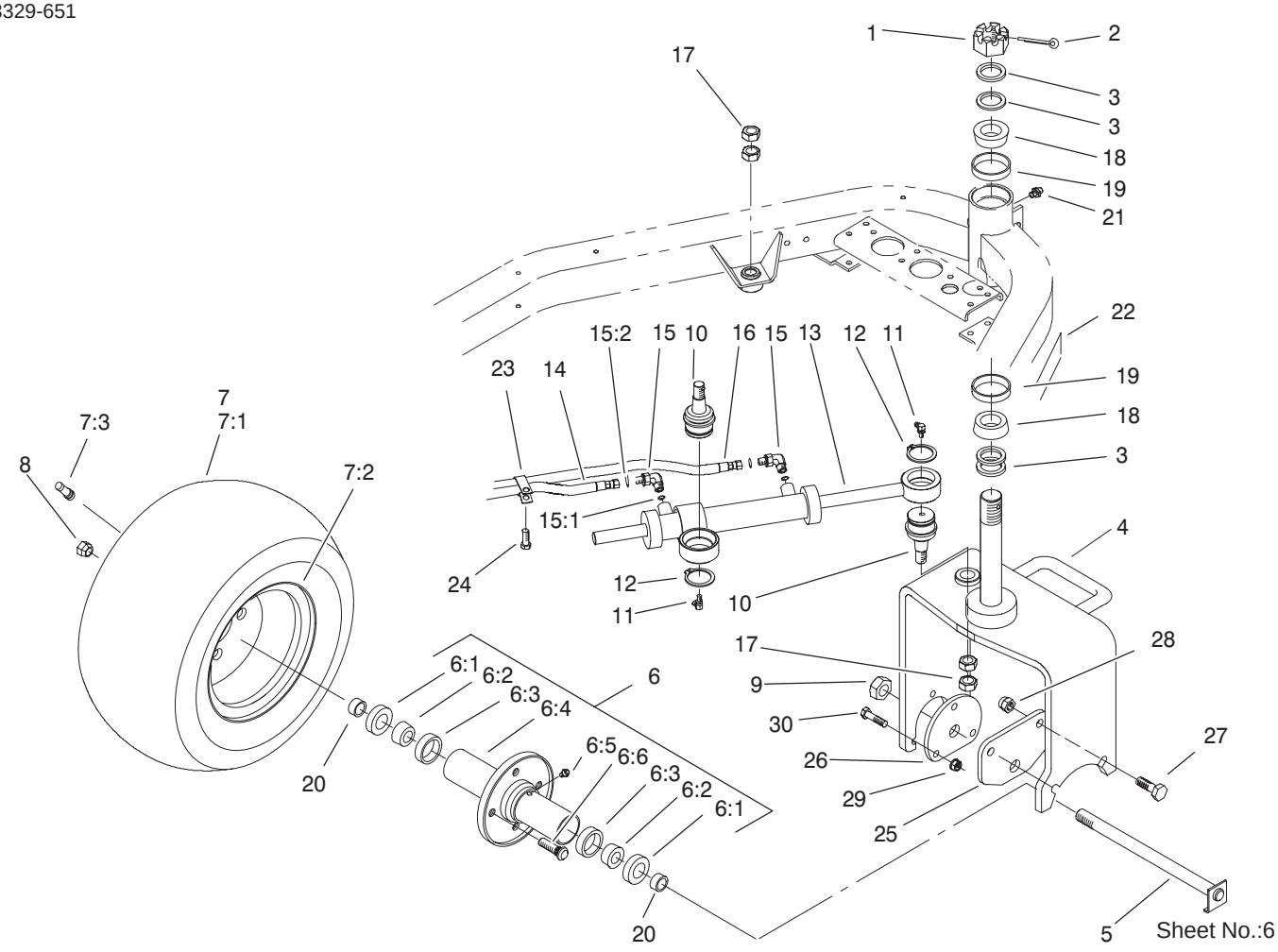
T-3891
Sheet No.:A3

Steering Control Valve Assembly No. 105-0424

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	92-3839	1	Bearing Kit
9	105-2938	7	Screw-Cap
10	94-4089	1	Cap-End
11	105-2939	1	Gerotor ASM
12	105-2940	1	Spacer
13	94-4093	1	Drive
14	94-4092	1	Plate-W ear
15	99-551 1	1	Plug ASM
16	99-5500	1	Valve-Relief

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

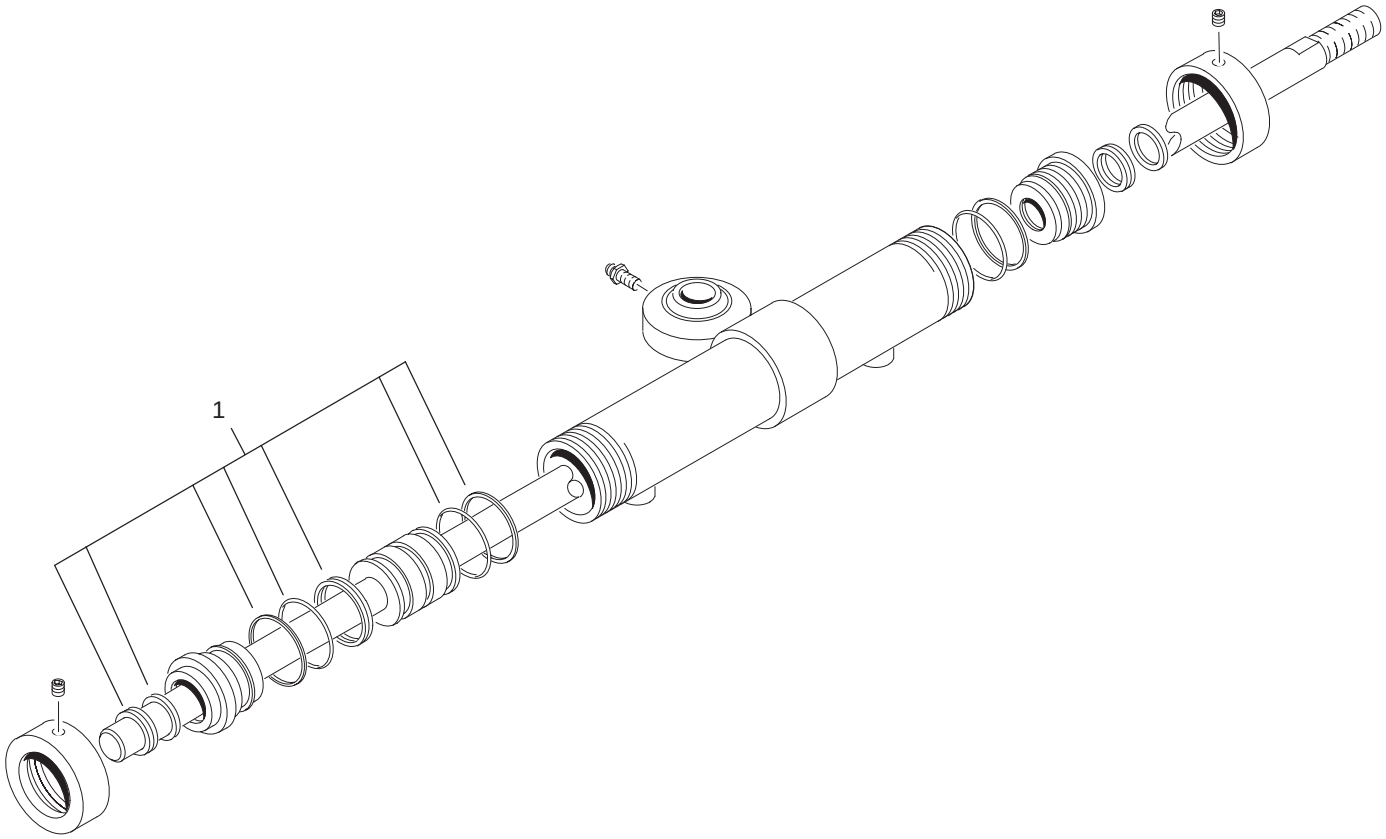


Rear Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	32136-9	1	Nut-SHH
2	3272-37	1	Pin-Cotter
3	18-6320	4	Washer-Steering
4	99-1492-01	1	Castor Fork ASM
5	70-8370	1	Bolt
6	72-9710	1	Hub-T ire, Sulky
6:1	253-1 11	2	Seal-Oil
6:2	254-78	2	Bearing-Cone
6:3	254-79	2	Bearing-Roller , Cup
6:4	75-9440	1	Hub ASM
6:5	302-55	1	Zerk
6:6	10-6830	4	Stud-T ype, Drive
☆7		1	Wheel And Tire ASM
7:1	70-8500	1	Tire
7:2	94-61 16	1	Wheel-Rear
7:3	232-27	1	Stem-V alve
8	242-50	4	Nut-Lug
9	3296-67	1	Nut-Lock NI
10	92-5838	2	Joint-Ball
11	302-60	2	Fitting-Grease
12	32151-104	2	Ring-Retaining, External
13	93-2122	1	Steering Cylinder ASM
14	93-2270	1	HYD Hose ASM
15	340-132	2	Fitting-HYD, 90°
15:1	237-78	1	O-Ring

Ref. No.	Part No.	Qty.	Description
15:2	237-21	1	O-Ring
16	93-2269	1	HYD Hose ASM
17	3220-6	4	Nut-Jam
18	254-70	2	Bearing-Cone
19	254-61	2	Bearing-Cup
20	70-8490	2	Spacer-Spindle, Rear
21	302-5	1	Fitting-Grease
22	99-1493	1	Decal
23	92-5753	1	Clamp-Hose
24	32144-14	1	Tscrew-HWH
25	99-1485-01	1	Plate-Adapter , Motor
26	99-1486-01	1	Plate-Adapter
27	325-6	2	Screw-HH
28	3296-23	2	Nut-Lock, NI
29	3296-39	3	Nut-Lock, NI
30	323-8	3	Screw-HH

☆ Not serviced separately



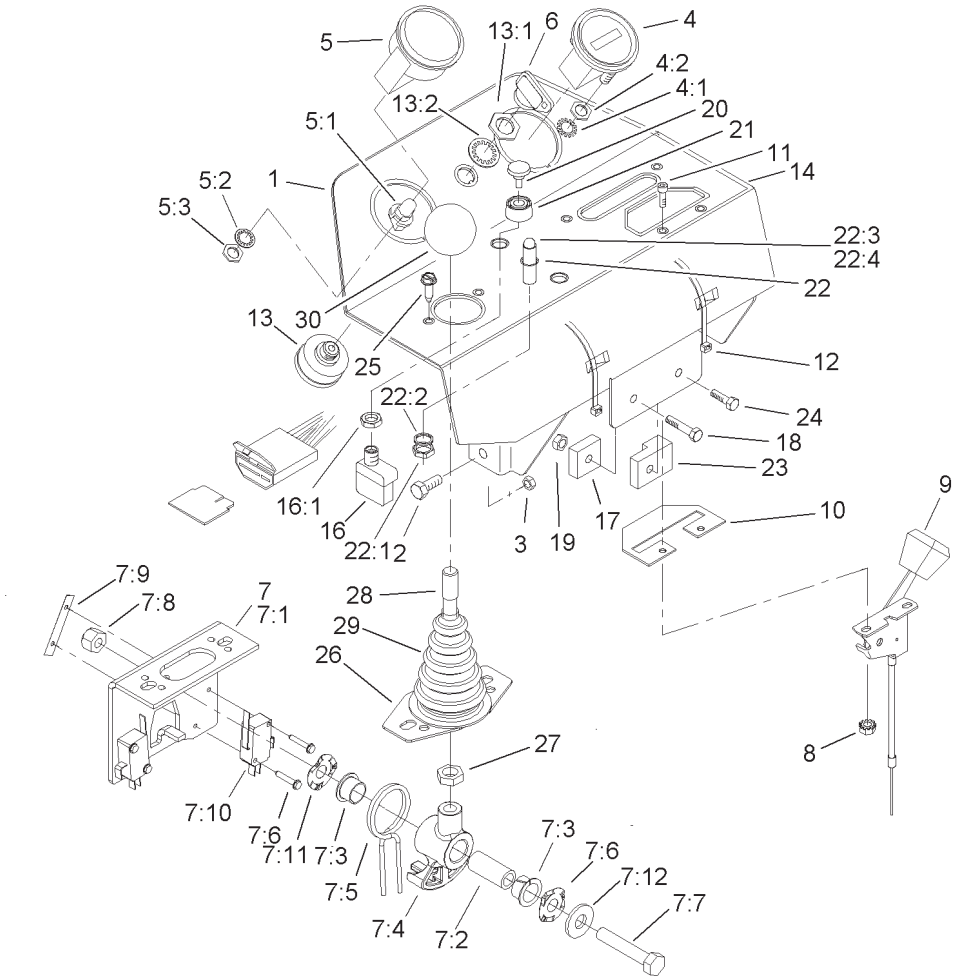
Sheet No.:A4

T-3721

Steering Cylinder Assembly No. 93-2122

Ref. No.	Part No.	Qty.	Description
1	94-4398	1	Seal Repair Kit

Ref. No.	Part No.	Qty.	Description



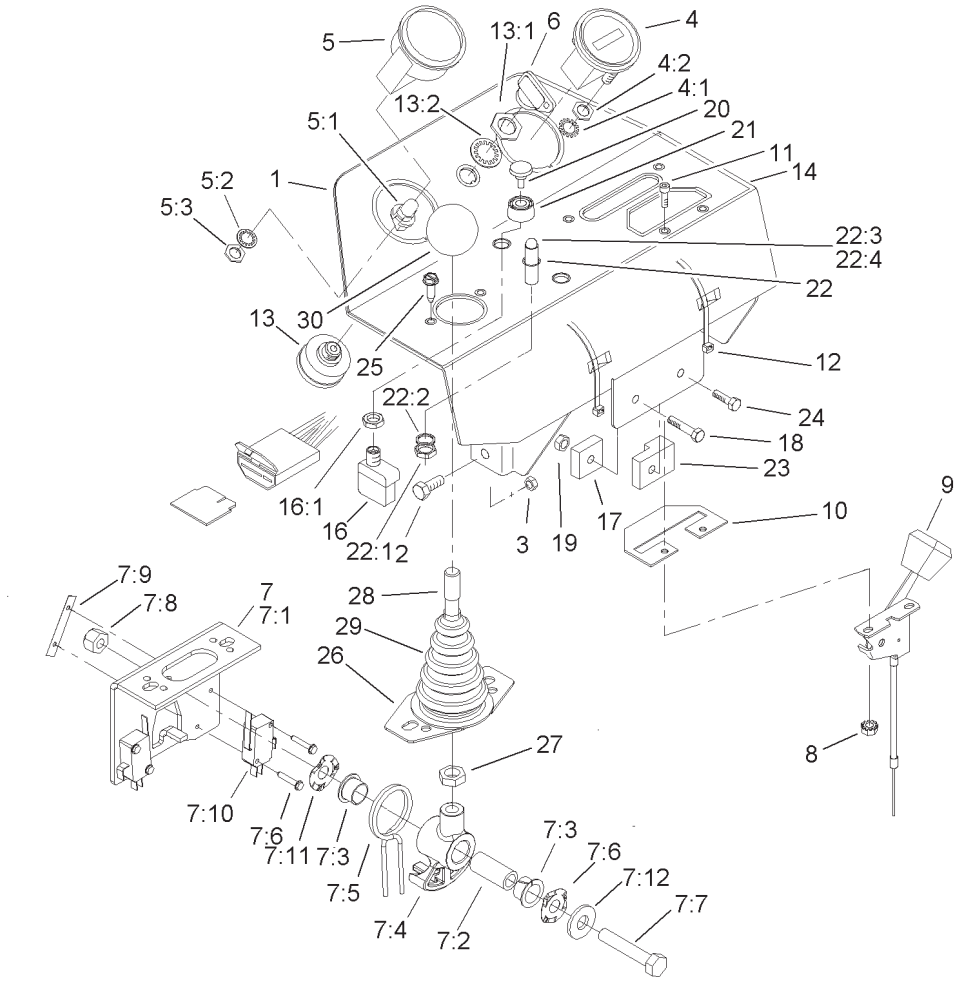
Sheet No.:7

Console Assembly

Ref. No.	Part No.	Qty.	Description
1	100-3185-03	1	Console ASM
2	33114-020	4	Screw-HH
3	33024-00	4	Nut-Lock
4	66-2950	1	Gauge-Hourmeter
4:1	3255-20	2	Washer-Lock
4:2	3217-25	2	Nut-Hex
5	93-7053	1	Cluster-Lamp, Warning
5:1	219-17	4	Bulb
5:2	3254-1	1	Washer-Lock, Int
5:3	3217-26	1	Nut-Hex
6	63-8360	1	Key-Ignition
☆7		1	Joystick Bracket ASM
7:1	106-4168-03	1	Bracket-Joystick
7:2	106-4192	1	Spacer
7:3	93-5547	2	Bushing-Nylon
7:4	105-7507	1	Hub-Pivot, Joystick
7:5	105-8289	1	Spring-Torsion
7:6	106-4193	2	Washer-Finger, Spring
7:7	322-9	1	Screw-HH
7:8	3296-29	1	Nut-Lock, NI
7:9	3290-354	2	Nut-Speed
7:10	111332	2	Switch
7:11	147665	4	Screw-HH
7:12	3256-3	1	Washer-Flat
8	32149-8	2	Nut-Keps

Ref. No.	Part No.	Qty.	Description
9	99-8150	1	Control-Throttle
10	99-8195-03	1	Plate-Cover
11	3273-26	2	Screw-HSH
12	3290-378	2	Tie-Cable
13	27-2360	1	Switch-Key
13:1	218-446	1	Nut-Hex
13:2	218-447	1	Washer-Lock
14	100-3183	1	Decal-Panel, Control
16	72-9760	1	Switch
16:1	218-498	1	Locknut
17	92-2538	1	Timer-Plug, Glow
18	33113-030	1	Screw-HH
19	33023-00	2	Nut-Lock
20	43-6280	1	Button-Push
21	43-6420	1	Bezel
22	44-2212	1	Amber Indicator Light ASM
22:1	218-535	1	Nut-Hex
22:2	218-536	1	Washer-Lock
☆22:3		1	Bulb
22:4	218-562	1	Lens
23	99-9666	1	Module
24	33113-020	1	Screw-HH
25	32144-19	2	Screw-Forming, Thread
26	106-4188-03	1	Plate-Boot

☆ Not serviced separately

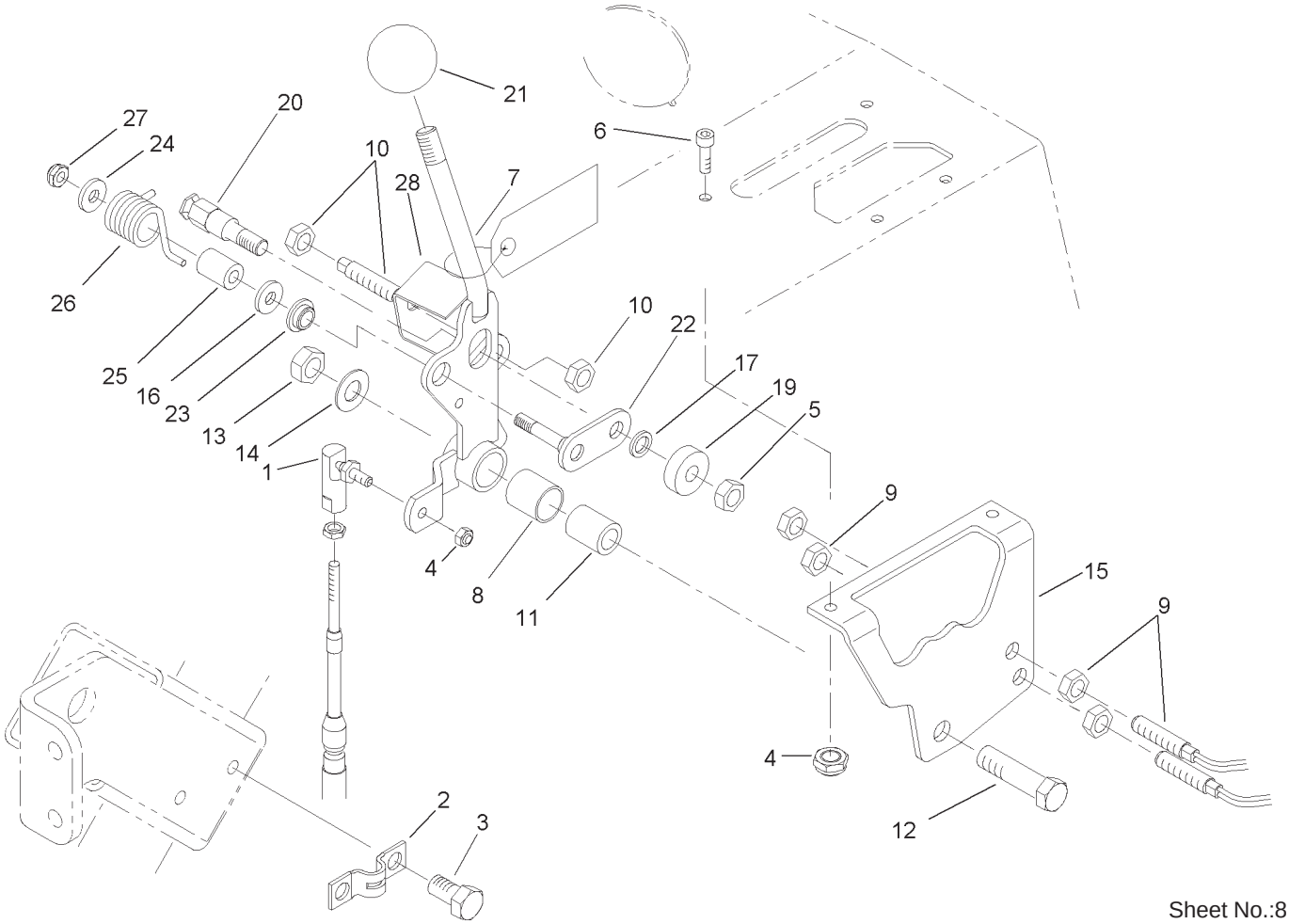


Sheet No.:7

Console Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
27	3218-3	1	Nut-Jam
28	105-8288	1	Rod-Joystick
29	93-5961	1	Boot-Lever
30	233-42	1	Knob

Ref. No.	Part No.	Qty.	Description

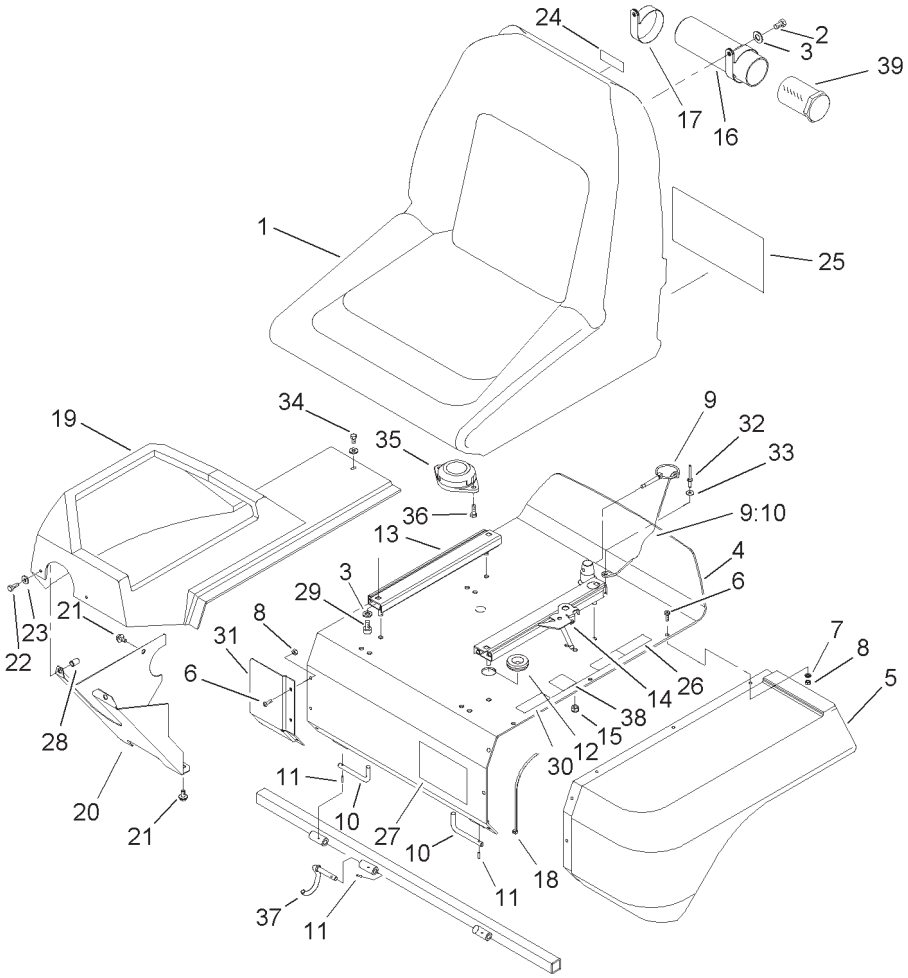


Sheet No.:8

Functional Control Lever Assembly

Ref. No.	Part No.	Qty.	Description
1	2411-38	1	Joint-Ball
2	93-2279	1	Clamp-Cable
3	32144-14	2	Tscrew-HWH
4	3296-27	2	Nut-Lock NI
5	33024-00	1	Nut-Lock
6	3273-26	2	Screw-HSH
7	94-961 1	1	Handle
8	256-31 1	1	Bushing-Split
9	93-2055	2	Sensor-Switch, Reed
10	93-2056	1	Actuator-Switch, Reed
11	94-1378	1	Tube-Pivot, Handle
12	33115-040	1	Screw-HH
13	33025-00	1	Nut-Lock
14	3256-24	1	Washer-Flat
15	94-6398	1	Bracket-T raction
16	3256-23	1	Washer-Flat
17	75-5470	1	Spacer-Bearing
19	251-259	1	Bearing-Ball
20	94-9617	1	Pin-Spring
21	233-42	1	Knob
22	94-9614	1	Pivot-Roller
23	94-9619	1	Bushing
24	3256-67	1	Washer-Flat
25	94-9618	1	Spacer-Spring
26	94-9620	1	Spring-T orsion

Ref. No.	Part No.	Qty.	Description
27	33023-00	1	Nut-Lock
28	106-6356	1	Shield-Switch

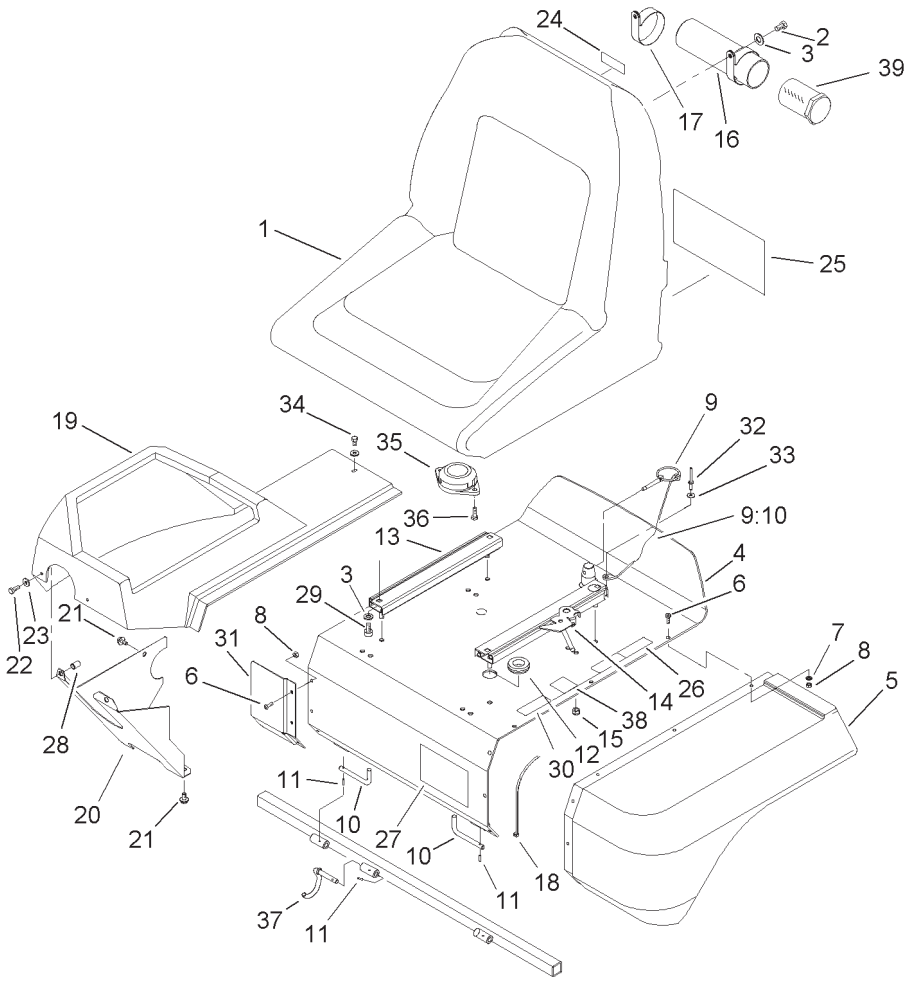


Sheet No.:9

Seat Assembly

Ref. No.	Part No.	Qty.	Description
1	100-3187	1	Seat ASM
2	322-2	2	Screw-HH
3	3256-23	6	Washer-Flat
4	93-2135-03	1	Support-Seat
5	93-2128	1	Panel-Base, Seat
6	3274-39	9	Screw-HSBH
7	3256-77	6	Washer-Flat
8	3296-12	9	Nut-Lock
9	77-3780	1	Pin ASM
9:10	28-8070	1	Lanyard
10	93-2422	2	Rod-Pivot, Seat
11	32121-7	3	Pin-Spring
12	237-100	1	Grommet
13	92-8990	1	Adjuster-7in
14	92-8991	1	Adjuster W/Latch
15	3296-29	4	Nut-Lock, NI
16	104-7050	1	Housing-Manual
17	2412-133	2	R-Clamp
18	3290-378	1	Tie-Cable
19	99-4208	1	Shroud-Console
20	94-4547-03	1	Panel-Lower, RH
21	32144-14	2	Tscrew-HWH
22	33113-016	2	Screw-HH
23	3256-1	3	Washer-Flat
24	93-6686	1	Decal-Oil, HYD
25	106-6381	1	Decal-Service, French

Ref. No.	Part No.	Qty.	Description
25	106-6380	1	Decal-Service, Spanish
25	106-6379	1	Decal-Service
25	106-6382	1	Decal-Service, German
25	106-6383	1	Decal-Service, Swedish
25	106-6384	1	Decal-Service, Italian
25	106-6388	1	Decal-Service, Danish
25	106-6387	1	Decal-Service, Finnish
25	106-6386	1	Decal-Service, Norwegian
25	106-6389	1	Decal-Service, Dutch
25	106-6390	1	Decal-Service, Japanese
25	106-6385	1	Decal-Service, Portuguese
26	93-6689	1	Decal-No Riders
27	94-2579	1	Decal
28	93-5447	2	Nut-Clinch
29	3274-12	4	Screw-HSH
30	93-7252	1	Decal
31	94-4546-03	1	Panel-Extension
32	3290-282	1	Rivet-Pop, Steel
33	3256-49	1	Washer-Flat

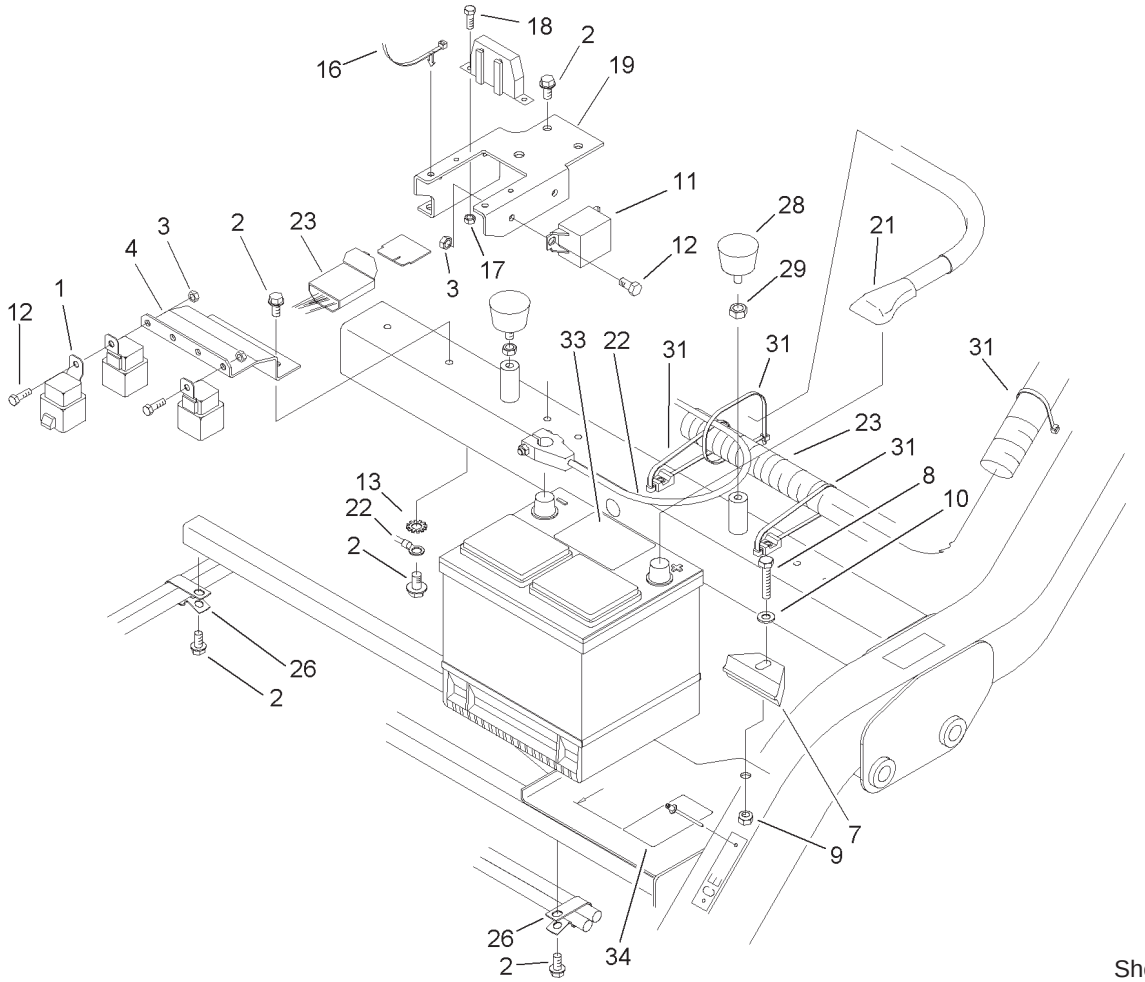


Sheet No.:9

Seat Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
34	33113-012	1	Screw-HH
35	92-6282	1	Switch-Seat
36	32144-10	2	Tscrew-HWH
37	99-4247	1	Wire-Hook
38	105-4674	1	Decal-Noise, Ce
39	104-7048	1	Cap-Housing

Ref. No.	Part No.	Qty.	Description

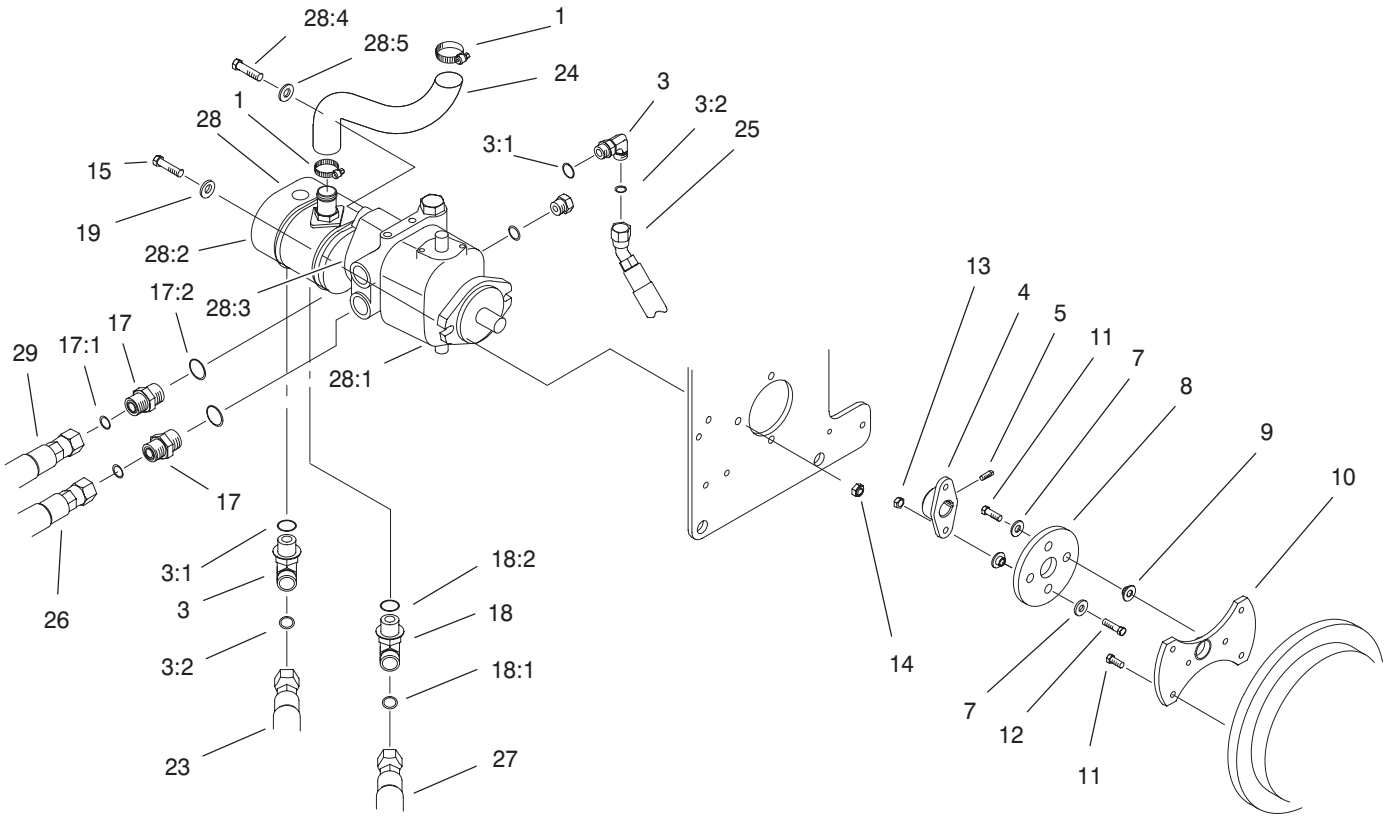


Sheet No.:10

Electronics Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	70-1480	8	Relay
2	32144-11	7	Screw-T AP
3	33023-00	6	Nut-Lock
4	93-2169-01	1	Bracket-Relay
7	66-2490	1	Retainer-Battery
8	33115-040	1	Screw-HH
9	33025-00	1	Nut-Lock
10	3256-24	1	Washer-Flat
11	66-8800	1	Relay
12	33113-016	6	Screw-HH
13	3254-2	1	Washer-Lock, Int
16	94-1325	2	Tie-Mount, Push
17	3296-2	2	Nut-Lock
18	32105-13	2	Screw-SHH
19	100-3186-03	1	Bracket-Holder , Fuse
21	95-8853	1	Cable-Battery , Positive
22	99-8167	1	Cable-Battery , Negative
23	106-9007	1	Harness-Wire
26	92-5753	2	Clamp-Hose
28	68-3270	2	Bumper-Rubber
29	3218-2	2	Nut-Jam
31	3290-378	6	Tie-Cable
33	93-6668	1	Decal-Battery
34	93-7276	1	Decal-Danger

Ref. No.	Part No.	Qty.	Description



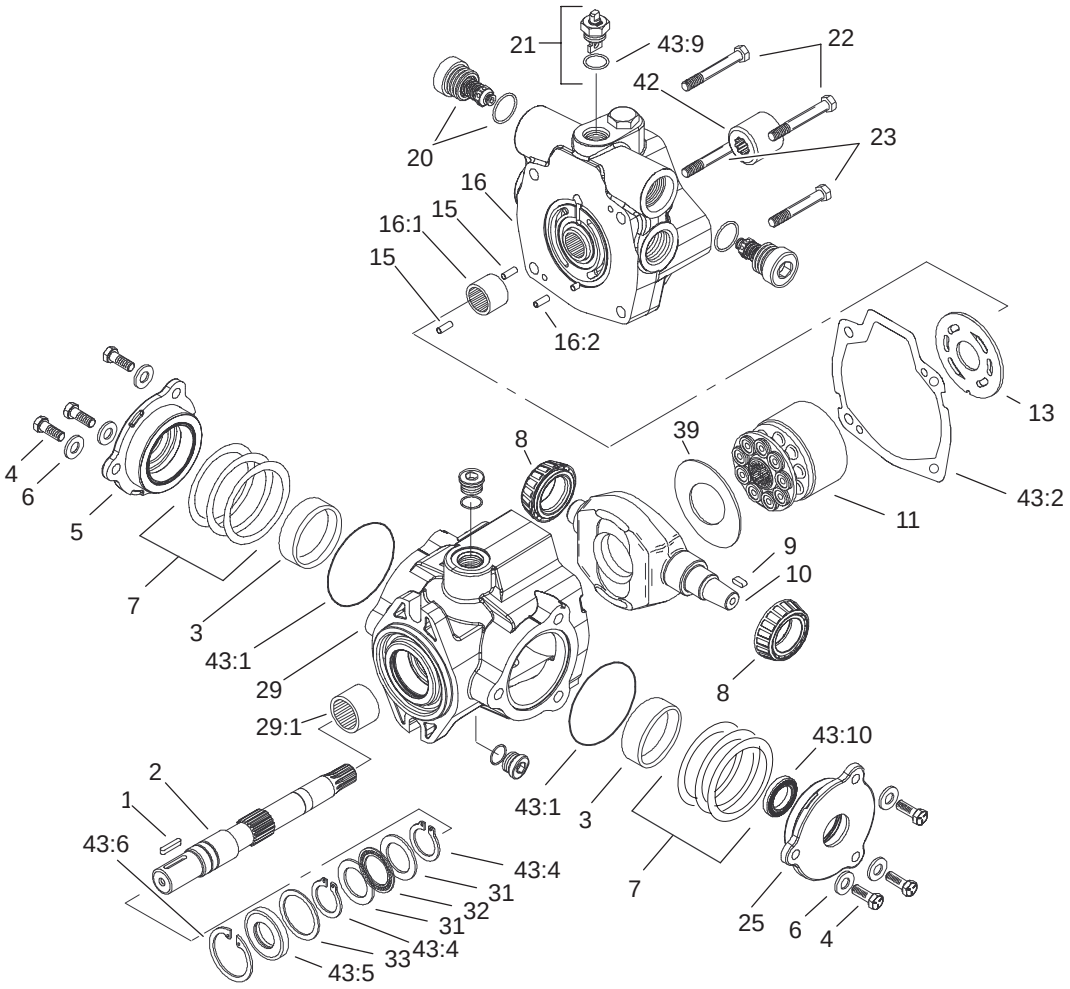
Sheet No.:11

Hydrostat and Gear Pump Drive Assembly

Ref. No.	Part No.	Qty.	Description
1	2412-34	2	Clamp-Hose
3	340-18	2	Fitting-HYD, 90°
3:1	237-79	1	O-Ring
3:2	237-22	1	O-Ring
4	93-2589	1	Hub-Pump
5	3241-6	2	Screw-SQH
7	3256-3	2	Washer-Flat
8	80-8650	1	Coupling-Drive
9	27-6600	4	Spacer-Coupling
10	93-2220-03	1	Adapter-Pump
11	33114-020	6	Screw-HH
12	33114-030	1	Screw-HH
13	33024-00	2	Nut-Lock
14	33025-00	2	Nut-Lock
15	33115-040	2	Screw-HH
17	340-8	2	Adapter
17:1	237-65	1	O-Ring
17:2	237-81	1	O-Ring
18	340-17	1	Fitting-HYD, 90°
18:1	237-65	1	O-Ring
18:2	237-80	1	O-Ring
19	100-4852	2	Washer-Hardened
23	105-4339	1	Hose ASM
24	99-1905	1	Hose-Inlet, Pump
25	105-9794	1	Hose ASM
26	99-4220	1	Hose ASM

Ref. No.	Part No.	Qty.	Description
27	99-4216	1	Hose ASM
☆28		1	Hydrostat/Gear Pump ASM
28:1	105-0494	1	Hydrostat ASM
28:2	104-7737	1	Gear Pump ASM
28:3	60-3520	1	O-Ring
28:4	3274-1	2	Screw-HSH
28:5	3256-24	2	Washer-Flat
29	99-4217	1	Hose ASM

☆ Not serviced separately



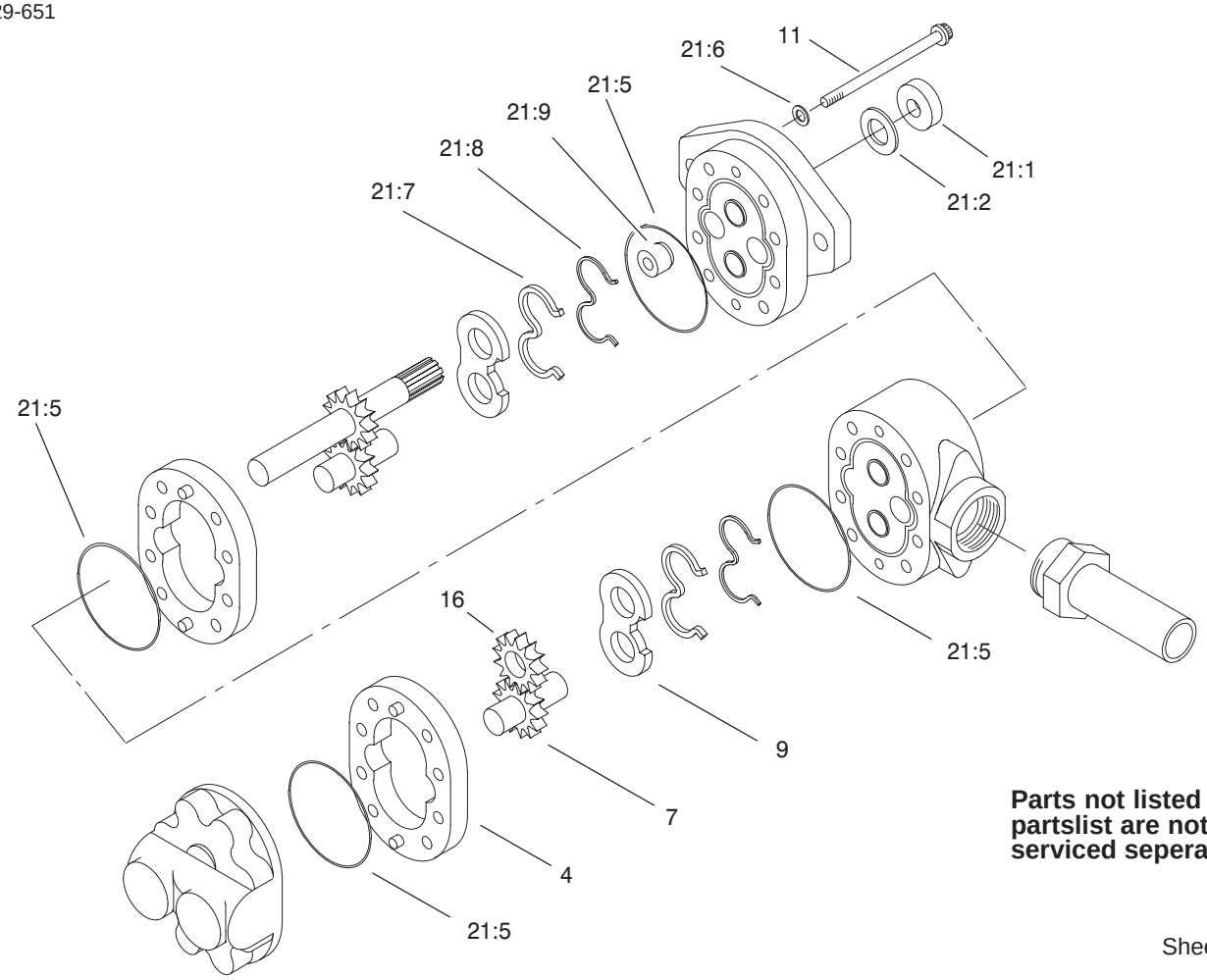
T-2357
Sheet No.:A5

Hydrostat Assembly No. 105-0494

Ref. No.	Part No.	Qty.	Description
1	94-3645	1	Key
2	94-6359	1	Shaft-Drive
3	104-4046	2	Bearing-Cup
4	98-4640	6	Screw-Cap
5	98-4644	1	Plate-Cover
6	105-9762	6	Washer
7	100-3182	2	Shim Kit
8	98-4639	2	Bearing-Cone
9	94-3646	1	Key
10	100-3175	1	Camplate
11	76-6070	1	Rotating Kit
13	100-3180	1	Valve-Plate
15	76-6150	2	Pin-Dowel
16	105-3813	1	Endcover Sub ASM
16:1	94-6368	1	Bearing
☆16:2		1	Pin-Roll
20	105-3812	2	Valve-Check
21	105-3811	1	Valve-Bypass
22	76-6170	2	Capscrew
23	76-6160	2	Capscrew
25	98-4645	1	Plate-Cover
29	100-3176	1	Housing ASM
29:1	94-6363	1	Bearing
31	252-71	2	Washer-Thrust
32	252-66	1	Bearing-Thrust
33	33-3720	1	Washer

Ref. No.	Part No.	Qty.	Description
39	98-4635	1	Insert-Plate, Cam
42	74-9040	1	Coupler
43	105-3844	1	Seal Repair Kit
43:1	100-3179	2	O-Ring
43:2	33-4930	1	Gasket-Housing
43:4	32151-29	2	Ring-Retaining
43:5	104-4861	1	Seal-Shaft
43:6	32151-13	1	Ring-Retaining
☆43:9		1	O-Ring
☆43:10		1	Seal-Shaft

☆ Not serviced separately



Parts not listed in partslist are not serviced seperately.

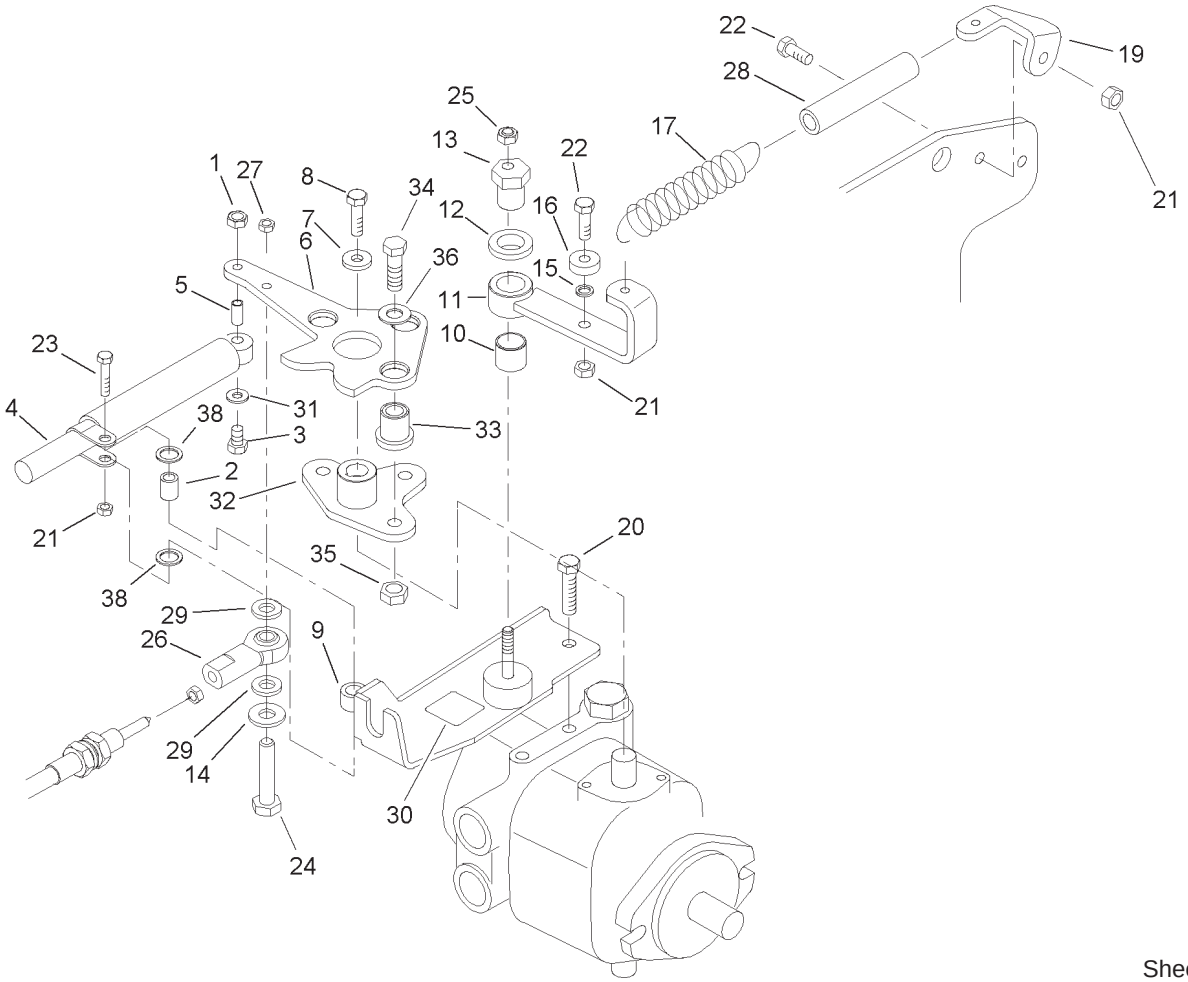
Sheet No.:A6
T-3483

Gear Pump Assembly No. 104-7737

Ref. No.	Part No.	Qty.	Description
4	95-4364	1	Body
7	95-4366	1	Gear-Idler
9	95-4368	2	Plate-W ear
11	94-8158	8	Screw-Cap
16	95-4373	1	Gear-Fit, Slip
21	94-8161	1	Seal Repair Kit
21:1	49-2640	1	Seal-Shaft
21:2	60-5890	1	Washer
☆21:5		4	O-Ring
21:6	94-8160	4	Washer
21:7	95-4369	2	Seal
21:8	95-4367	2	Gasket
21:9	94-3011	1	Plug

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

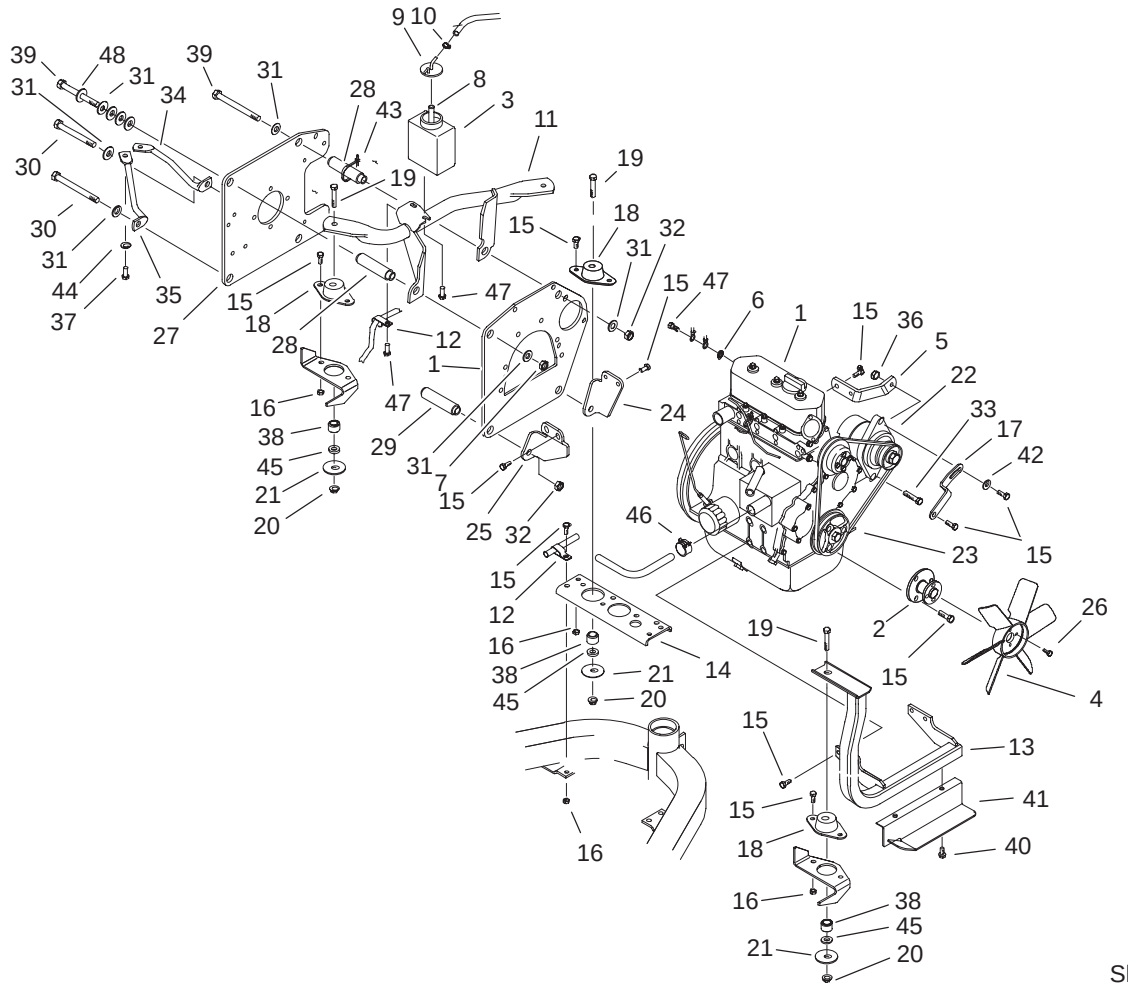


Sheet No.:12

Neutral System Assembly

Ref. No.	Part No.	Qty.	Description
1	33023-00	1	Nut-Lock
2	94-8197	1	Tube-Pivot
3	33113-035	1	Screw-HH
4	76-8870	1	Lever Damper ASM
5	94-1312	1	Spacer-Pivot
6	94-3488-03	1	Lever-Pump
7	88-7200	1	Washer-Flat
8	3210-6	1	Screw-HH
9	100-9846	1	Support-Cable
10	94-9609	1	Bushing-Straight
11	94-4527	1	Arm-Neutral
12	3-6498	1	Washer-Thrust
13	93-21 11	1	Stud-T raction
14	3256-22	1	Washer-Flat
15	75-5470	1	Spacer-Bearing
16	251-259	1	Bearing-Ball
17	99-4254	1	Spring-Extension
19	99-4276	1	Bracket-Spring
20	323-4	2	Screw-HH
21	33024-00	3	Nut-Lock
22	33114-025	2	Screw-HH
23	33114-030	1	Screw-HH
24	321-8	1	Screw-HH
25	3296-29	1	Nut-Lock, NI
26	2411-41	1	Joint-Ball
27	3296-42	1	Nut-Lock, NI

Ref. No.	Part No.	Qty.	Description
28	99-4251	1	Hose-Dampener
29	33093-00	2	Washer-Flat
30	93-9051	1	Decal-Bolt, Eccentric
31	3256-22	1	Washer-Flat
32	94-3486	1	Plate
33	63-9750	3	Mount
34	33115-035	3	Screw-HH
35	33025-00	3	Nut-Lock
36	2844	3	Washer
38	94-8196	2	Washer-Nylon

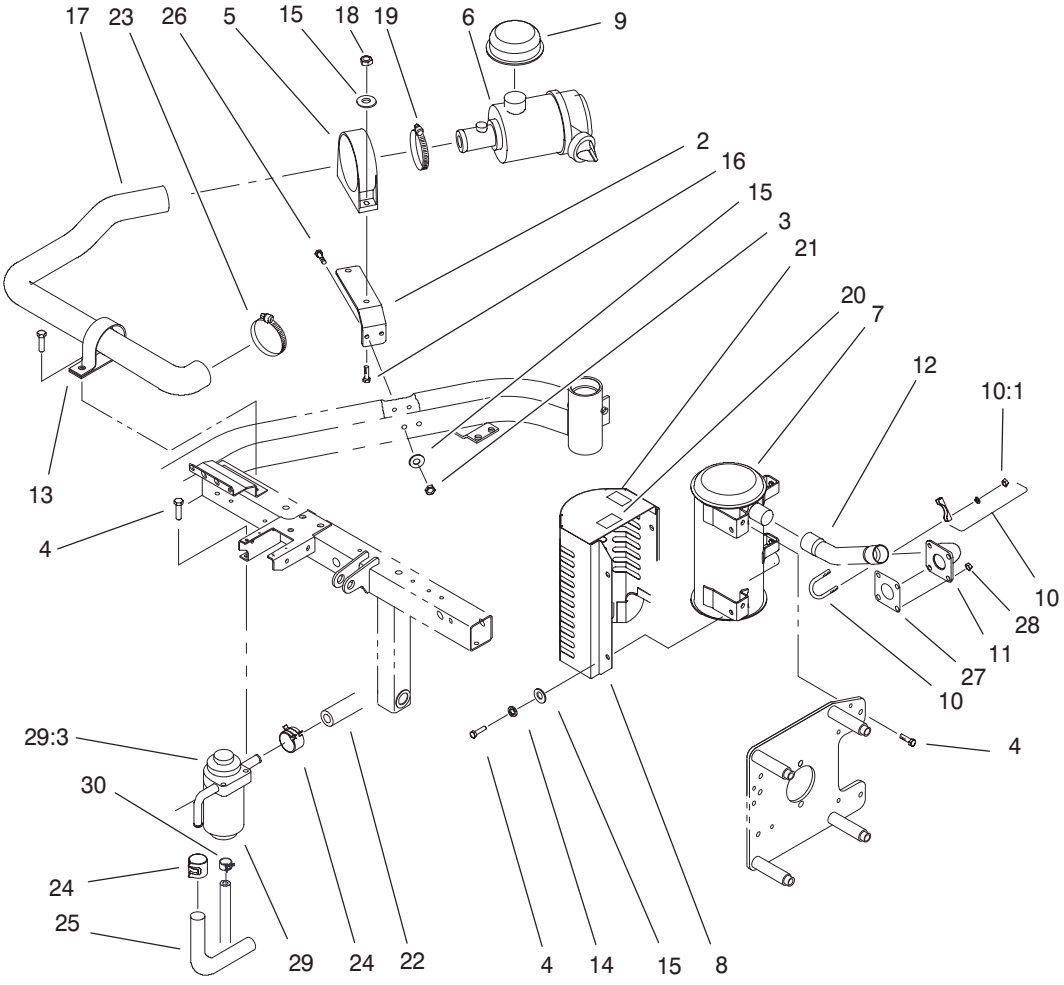


Sheet No.:13

Engine Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	99-1481	1	Engine
2	99-1495	1	Adapter-Fan
3	93-2049	1	Tank-Overflow
4	93-2090	1	Fan-Engine
5	93-2445	1	Bracket-Alternator , Upper
6	3254-2	1	Washer-Lock, Int
7	51-2070	1	Nut
8	94-1348	1	Hose-Fuel
9	93-2048	1	Cap-Tank, Overflow
10	2412-108	1	Clamp-Worm
11	100-3190-03	1	Engine Mount ASM
12	92-5753	2	Clamp-Hose
13	99-1473-03	1	Mount-Engine, Front
14	93-2020-01	1	Bracket-Support
15	33114-020	26	Screw-HH
16	33024-00	4	Nut-Lock
17	93-2446	1	Bracket-Alternator , Lower
18	83-1030	3	Mount-Engine
19	323-11	3	Screw-HH
20	3290-357	3	Nut-HHF
21	83-1040	3	Washer-Flat
22	99-9209	1	Alternator
23	99-8153	1	Belt-V
24	99-4189-03	1	Bracket-Engine, LH

Ref. No.	Part No.	Qty.	Description
25	99-4188-03	1	Bracket-Engine, RH
26	33113-016	4	Screw-HH
27	99-4190-03	1	Plate-Pump
28	93-2588	2	Spacer-Upper
29	93-2174	2	Spacer
30	33116-130	2	Screw-HH
31	87-7270	9	Washer-Thrust
32	33026-00	3	Nut-Lock
33	33115-050	1	Screw-HH
34	99-4240	1	Brace-Wireform, LH
35	99-4238	1	Brace-Wireform, RH
36	33025-00	1	Nut-Lock
37	323-4	2	Screw-HH
38	94-4538	3	Spacer-Mount
39	33116-120	2	Screw-HH
40	32144-14	2	Tscrew-HWH
41	94-8156-03	1	Deflector-Fan
42	3256-3	1	Washer-Flat
43	3290-378	2	Tie-Cable
44	3256-24	2	Washer-Flat
45	66-6480	3	Washer
46	92-2379	2	Clamp-Hose
47	33114-016	3	Screw-HH
48	73-0040	1	Washer-Thrust



Sheet No.:14

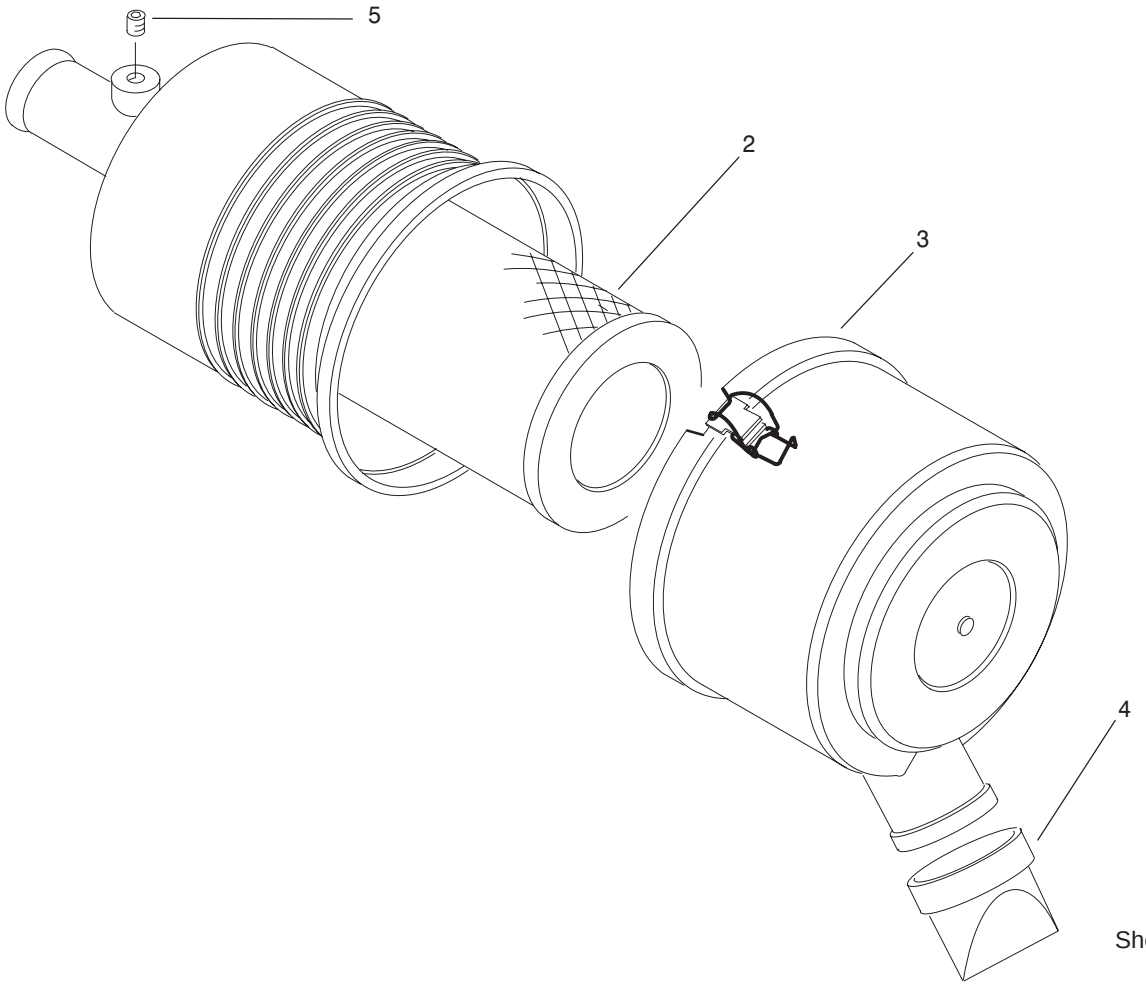
Air Cleaner and Exhaust Assembly

Ref. No.	Part No.	Qty.	Description
2	99-4203	1	Bracket-Cleaner , Air
3	33024-00	2	Nut-Lock
4	33114-020	8	Screw-HH
5	95-5806	1	Bracket-Mounting
6	95-5805	1	Air Cleaner ASM
7	94-8153	1	Muffler
8	94-8182-03	1	Shield-Muf fler
9	46-7510	1	Hood-Inlet, Air
10	2112-9	2	Clamp
10:1	32128-20	2	Nut-HF
11	99-1472	1	Plate-Exhaust
12	99-1494	1	Pipe-Exhaust
13	2412-107	1	Clamp-R
14	3253-4	4	Washer-Lock
15	3256-23	4	Washer-Flat
16	322-16	2	Screw-HH
17	99-4204	1	Hose-Cleaner , Air
18	3296-29	2	Nut-Lock, NI
19	2412-92	1	Clamp-Hose
20	93-8069	1	Decal-Surface, Hot
21	93-7275	1	Decal-Fluid, Starting
22	92-9283	1	Hose-Fuel
23	2412-130	1	Clamp-Hose
24	92-2379	2	Clamp-Hose
25	93-5553	1	Hose-Fuel
26	33114-080	2	Screw-HH

Ref. No.	Part No.	Qty.	Description
27	99-9179	1	Gasket-Exhaust
28	99-9176	4	Nut-Hex
29	100-3191	1	Separator-Fuel
*29:1	100-3192	1	Element-Filter , Fuel
*29:2	100-6409	1	Sensor-Filter , Fuel
29:3	100-6408	1	Cover-Filter
30	94-8189	1	Clamp-Hose

* Not illustrated

3329-651

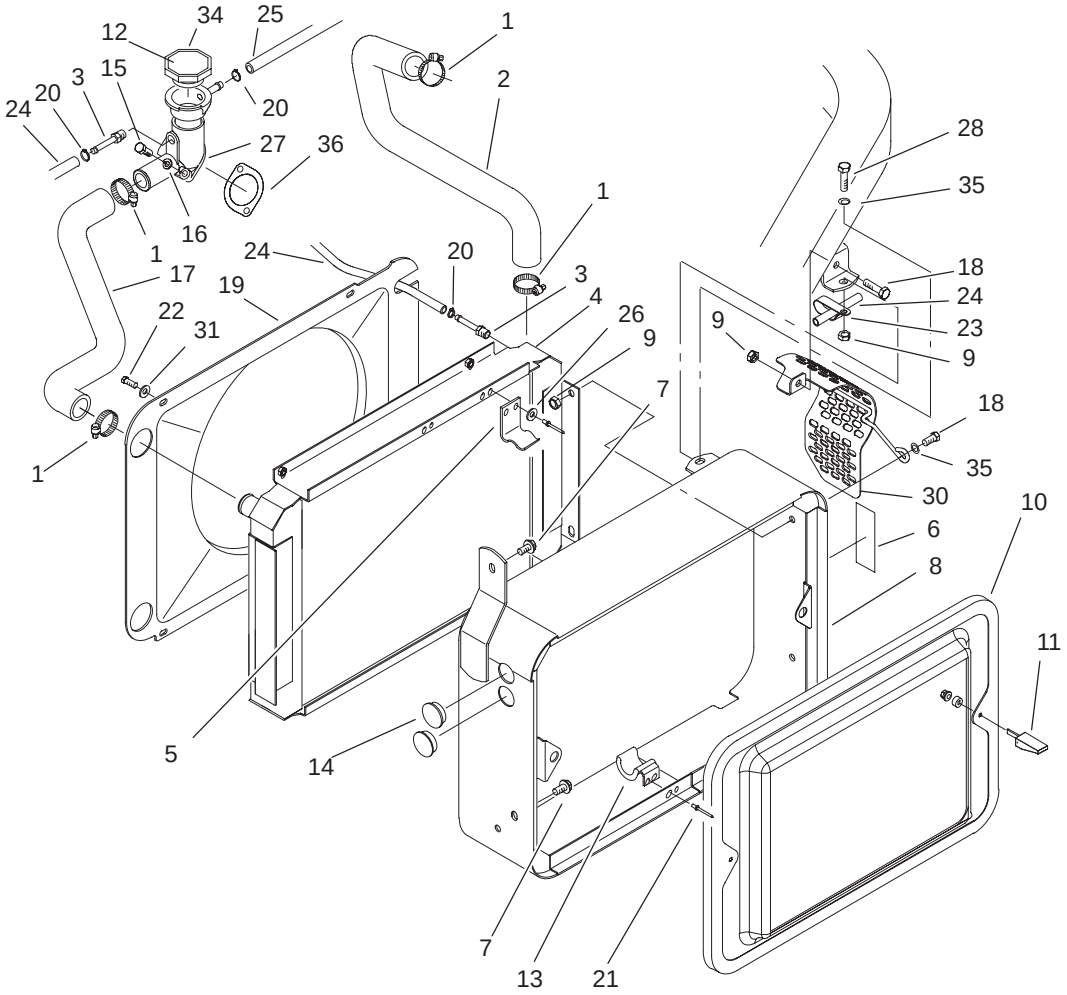


Sheet No.:A8
T-2607

Air Cleaner Assembly No. 95-5805

Ref. No.	Part No.	Qty.	Description
2	93-2195	1	Filter
3	94-3652	1	Cover ASM
4	94-1414	1	Valve-V acuator
5	285-17	1	Plug-Pipe

Ref. No.	Part No.	Qty.	Description

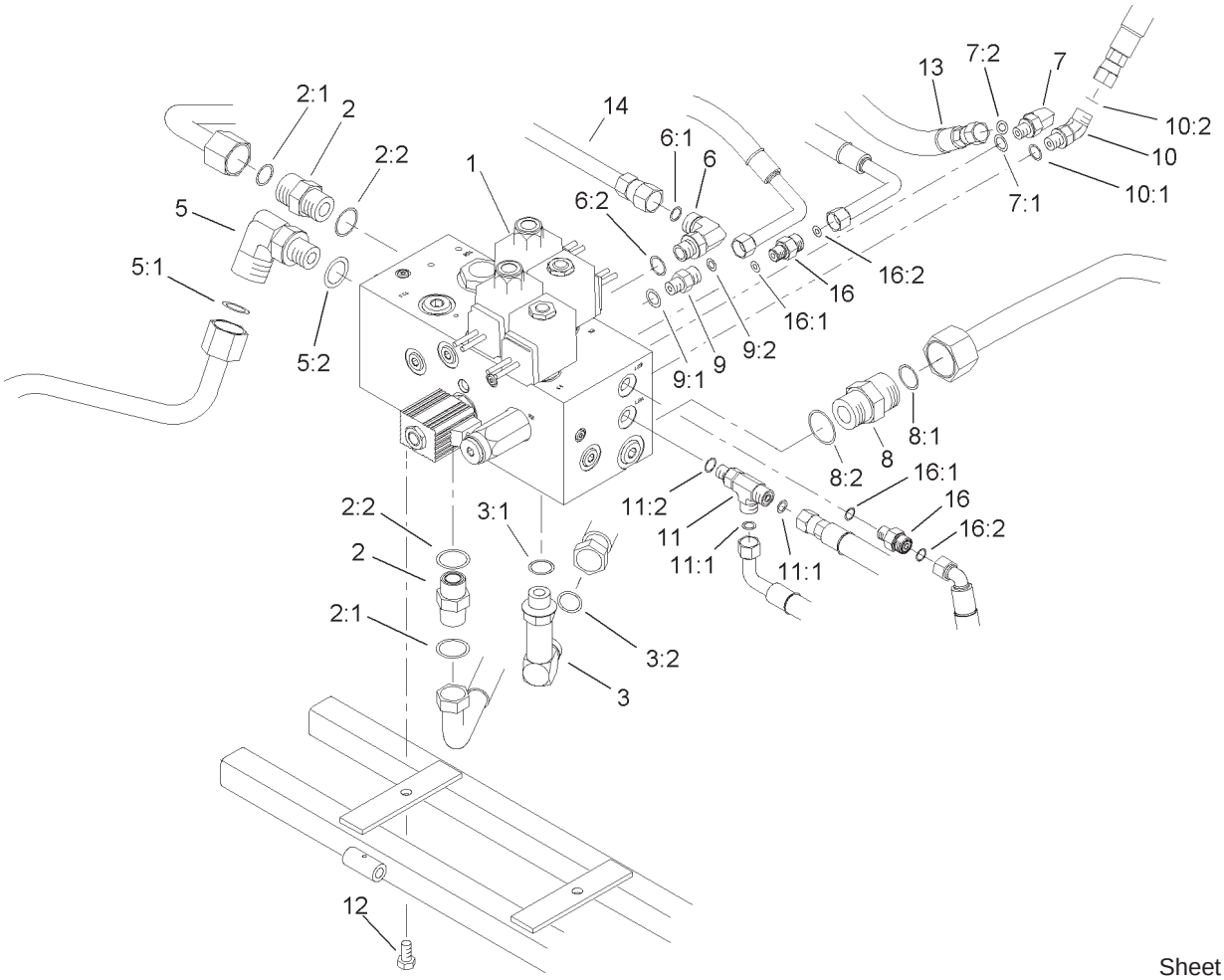


Sheet No.:15

Radiator Assembly

Ref. No.	Part No.	Qty.	Description
1	2412-34	4	Clamp-Hose
2	99-1469	1	Hose-Radiator
3	304-73	2	Connector-Hose
4	99-8193	1	Radiator
5	104-7736	1	Bracket-Cooler , Upper
6	93-6681	1	Decal-W arning, Fan
7	32144-14	2	Tscrew-HWH
8	100-3163-01	1	Radiator Support ASM
9	33024-00	6	Nut-Lock
10	100-3172-03	1	Screen ASM
11	74-5950	2	Latch-Swell
12	106-5976	1	Decal
13	93-2424	2	Bracket-Cooler , Lower
14	94-4528	2	Plug
15	33113-025	2	Screw-HH
16	3253-3	2	Washer-Lock
17	93-2018	1	Hose-Radiator
18	33114-020	5	Screw-HH
19	93-2320	1	Shroud-Fan
20	2412-108	3	Clamp-W orm
21	3269-15	6	Rivet
22	33113-016	4	Screw-HH
23	92-5753	1	Clamp-Hose
24	27-4480	1	Hose-Fuel
25	92-9283	1	Hose-Fuel
26	3269-6	2	Washer

Ref. No.	Part No.	Qty.	Description
27	93-2448	1	Thermostat Housing ASM
28	33114-025	1	Screw-HH
30	100-3164-03	1	Guard-Alternator
31	3256-22	4	Washer-Flat
34	66-3240	1	Cap-Radiator
35	3256-23	2	Washer-Flat
36	99-9163	1	Gasket-Outlet

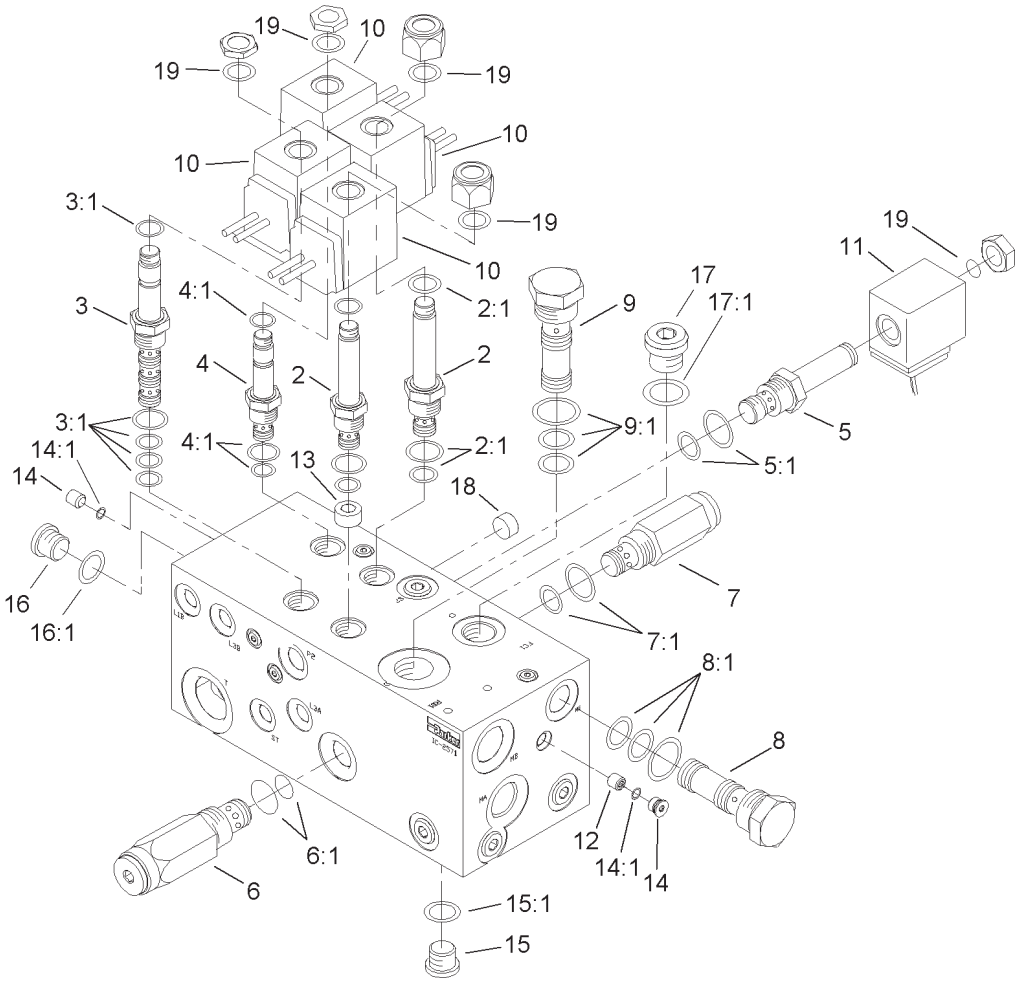


Sheet No.:16

Manifold Block Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	106-9005	1	Manifold ASM
2	340-7	2	Adapter
2:1	237-65	1	O-Ring
2:2	237-80	1	O-Ring
3	99-4214	1	Fitting-HYD
3:1	237-79	1	O-Ring
3:2	237-30	1	O-Ring
5	340-17	1	Fitting-HYD, 90°
5:1	237-65	1	O-Ring
5:2	237-80	1	O-Ring
6	340-77	1	Fitting-HYD, 90°
6:1	237-22	1	O-Ring
6:2	237-42	1	O-Ring
7	340-132	1	Fitting-HYD, 90°
7:1	237-78	1	O-Ring
7:2	237-21	1	O-Ring
8	340-9	1	Fitting-HYD, Straight

Ref. No.	Part No.	Qty.	Description
8:1	237-58	1	O-Ring
8:2	237-81	1	O-Ring
9	340-92	1	Fitting-HYD, Straight
9:1	237-78	1	O-Ring
9:2	237-21	1	O-Ring
10	340-103	1	Fitting-HYD, 45°
10:1	237-78	1	O-Ring
10:2	237-21	1	O-Ring
11	340-140	1	Adapter-Tee
11:1	237-21	2	O-Ring
11:2	237-78	1	O-Ring
12	33114-016	2	Screw-HH
13	93-2271	1	HYD Hose ASM
14	105-9790	1	Hose ASM
16	95-1639	2	Fitting-HYD
16:1	237-78	1	O-Ring
16:2	237-21	1	O-Ring

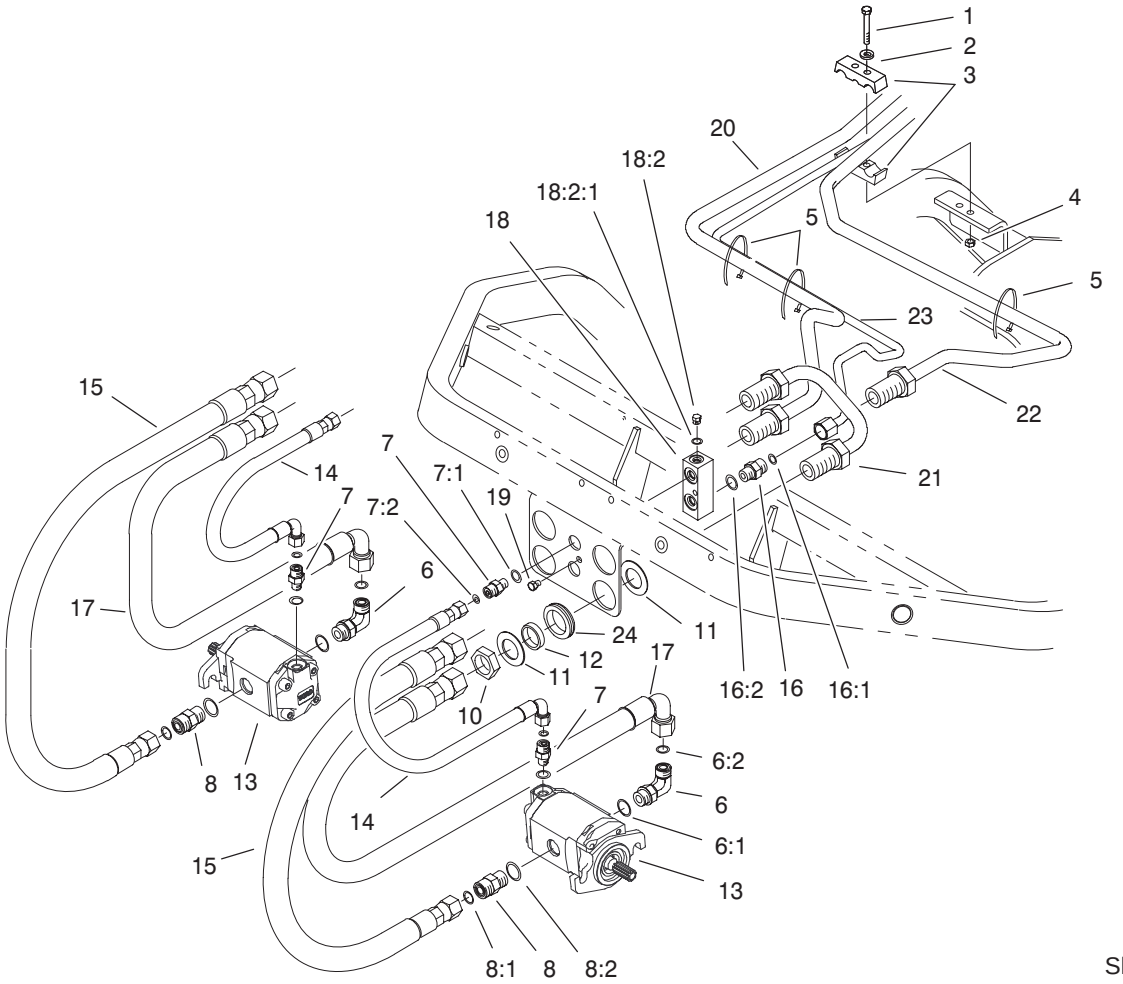


Sheet No.:A9

Manifold Assembly No. 106-9005

Ref. No.	Part No.	Qty.	Description
2	93-7494	2	Cartridge
2:1	75-2080	1	Seal Kit
3	94-2627	1	Cartridge
3:1	95-5642	1	Seal Kit
4	92-6315	1	Cartridge-N.c., Poppet
4:1	104-0004	1	Cartridge Seal Kit
5	106-9087	1	Spool-Stem
5:1	106-9089	1	Cartridge Seal Kit
6	95-1601	1	Cartridge-Relief
6:1	95-5645	1	Seal Kit
7	94-6351	1	Cartridge-Relief
7:1	95-5645	1	Seal Kit
8	94-6353	1	Plug-Cavity
8:1	69-4240	1	Seal Kit
9	94-6352	1	Plug-Cavity
9:1	104-7730	1	Seal Kit
10	88-9190	4	Solenoid Coil Kit
11	106-9086	1	Solenoid Coil
12	106-9084	1	Plug-Orifice
13	106-9083	1	Plug-Orifice
14	353-991	8	Plug-Hex, Hollow
14:1	237-156	1	O-Ring
15	353-989	7	Plug-Hex, Hollow
15:1	237-42	1	O-Ring
16	353-988	1	Plug-Hex, Hollow
16:1	237-79	1	O-Ring

Ref. No.	Part No.	Qty.	Description
17	354-70	1	Plug-Hex, Hollow
17:1	237-80	1	O-Ring
18	106-9088	1	Plug-Expander
19	94-5438	8	Seal-Solenoid

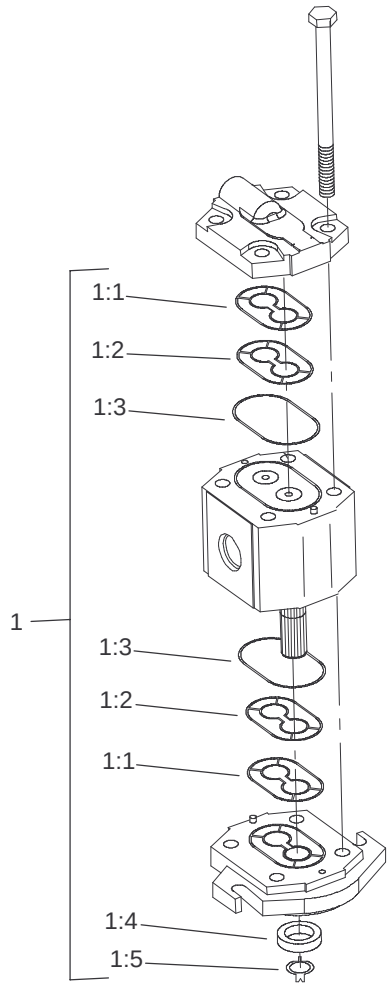


Sheet No.:17

Front Bulkhead and Reel Motor Assembly

Ref. No.	Part No.	Qty.	Description
1	33113-050	2	Screw-HH
2	3256-1	2	Washer-Flat
3	93-2509	2	Clamp-T ube
4	33023-00	2	Nut-Lock
5	3290-378	3	Tie-Cable
6	340-98	2	Fitting-HYD, 90°
6:1	237-79	1	O-Ring
6:2	237-30	1	O-Ring
7	340-92	4	Fitting-HYD, Straight
7:1	237-78	1	O-Ring
7:2	237-21	1	O-Ring
8	340-4	2	Adapter-HYD
8:1	237-30	1	O-Ring
8:2	237-79	1	O-Ring
10	340-74	2	Locknut-Bulkhead
11	69-9010	4	Washer
12	69-9000	2	Spacer
13	100-6426	2	HYD Motor ASM
14	93-2264	2	Hose ASM
15	95-2908	2	Hose ASM
16	340-2	1	Fitting-HYD, Straight
16:1	237-22	1	O-Ring
16:2	237-42	1	O-Ring
17	95-2909	2	Hose ASM
18	93-2238	1	T-Block
18:2	353-991	1	Plug-Hex, Hollow

Ref. No.	Part No.	Qty.	Description
18:2:1	237-156	1	O-Ring
19	33113-008	1	Screw-HH
20	94-1318	1	Tube-HYD
21	94-1319	1	Tube-HYD
22	94-1320	1	Tube-HYD
23	94-1321	1	Tube-HYD
24	240-3	2	Grommet-Rubber



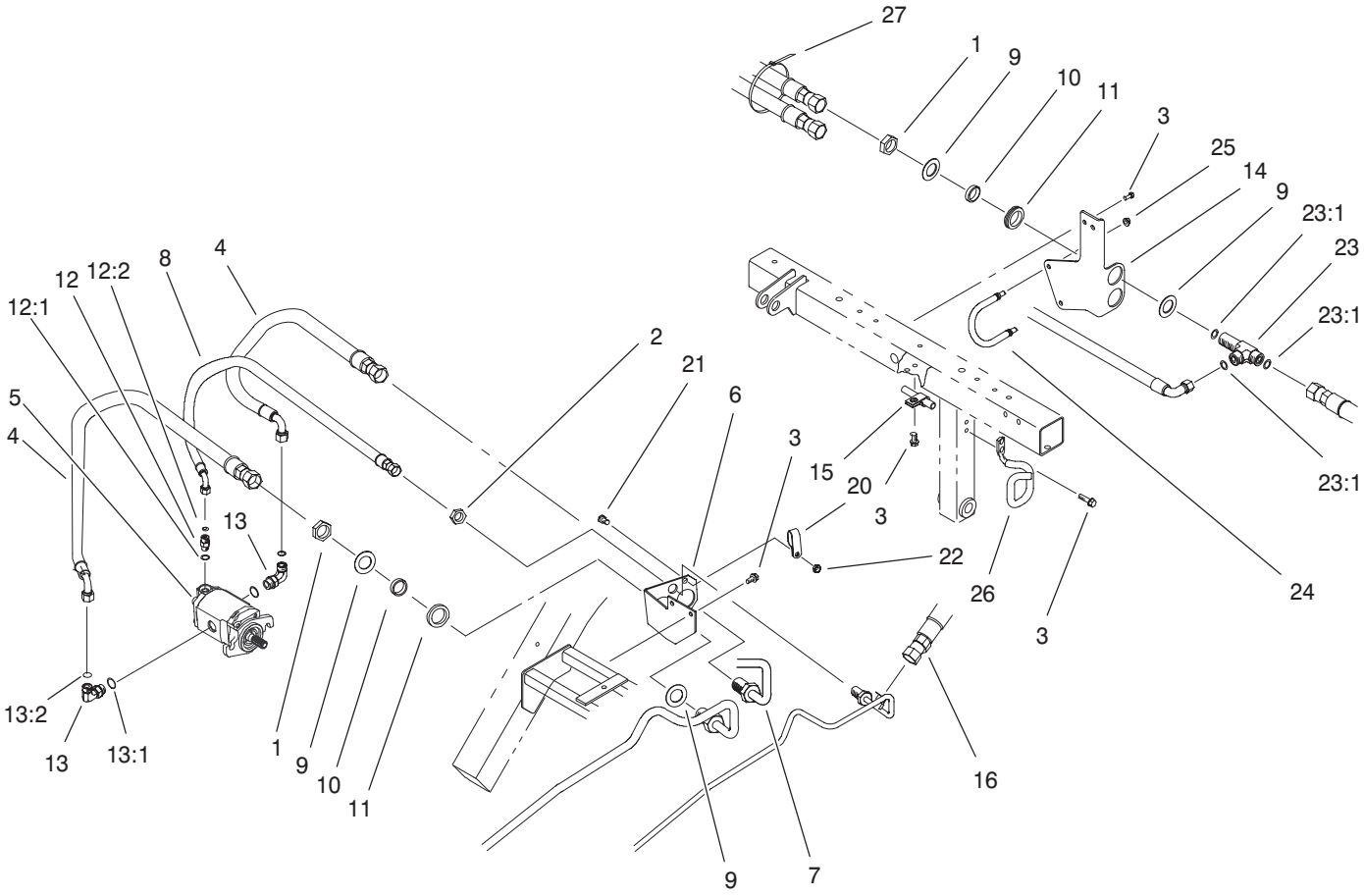
Sheet No.:B1

Reel Motor Assembly No. 100-6426

Ref. No.	Part No.	Qty.	Description
1	105-9758	1	Seal Kit
☆1:1		2	Seal-Extrusion, Anti
☆1:2		2	Seal-Pressure
☆1:3		2	O-Ring
☆1:4		1	Seal-Shaft
☆1:5		1	Washer-Backup

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

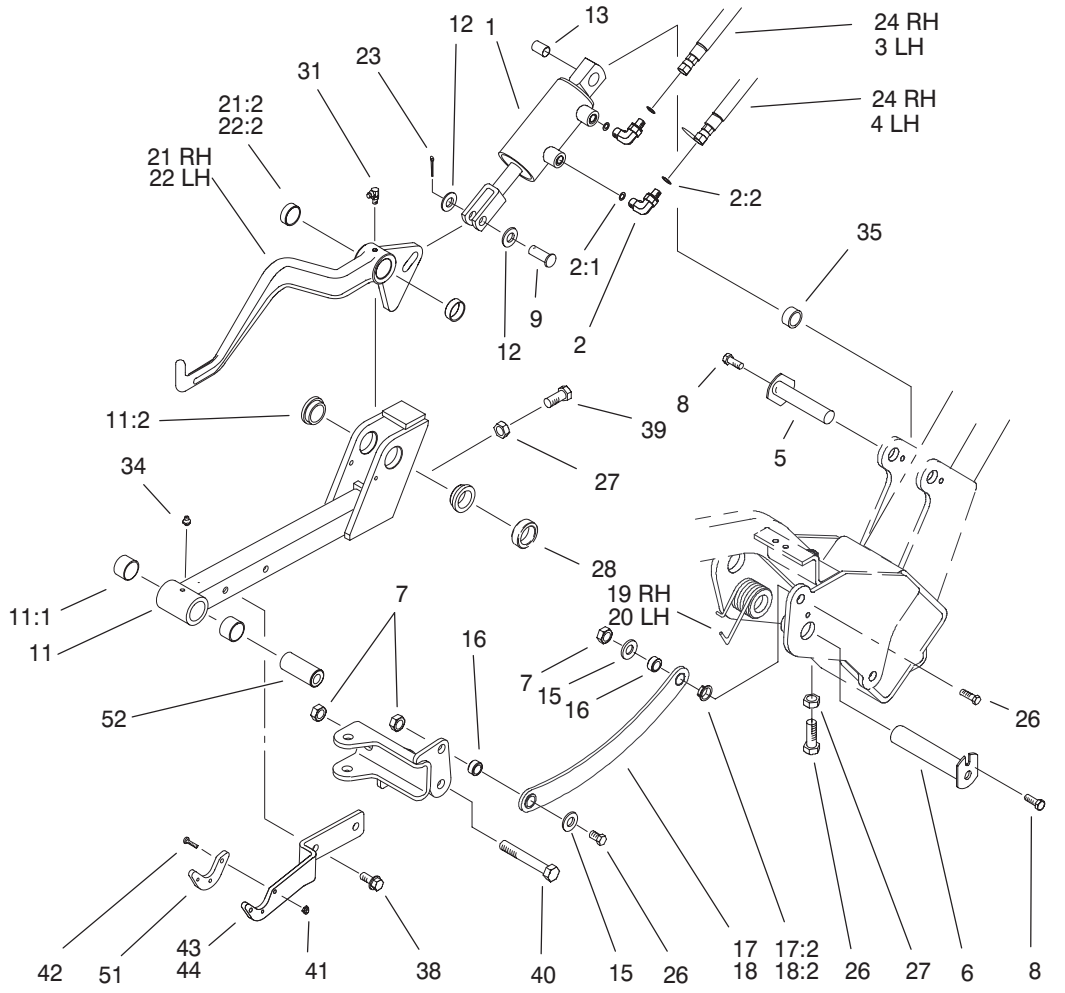


Sheet No.:18

Rear Bulkhead and Reel Motor Assembly

Ref. No.	Part No.	Qty.	Description
1	340-74	4	Locknut-Bulkhead
2	340-70	1	Nut-Lock
3	32144-14	7	Screw-HWH
4	95-2907	2	Hose ASM
5	100-6426	1	HYD Motor ASM
6	94-1316	1	Bracket-Bulkhead
7	94-1317	1	Tube-HYD
8	94-1328	1	Hose ASM
9	69-9010	8	Washer
10	69-9000	4	Spacer
11	240-3	4	Grommet-Rubber
12	340-92	1	Fitting-HYD, Straight
12:1	237-78	1	O-Ring
12:2	237-21	1	O-Ring
13	340-98	2	Fitting-HYD, 90°
13:1	237-79	1	O-Ring
13:2	237-30	1	O-Ring
14	99-4222-03	1	Bracket-Hose
15	2412-4	1	Clamp
16	94-4539	1	Hose ASM
20	2412-137	1	Clamp-T ube
21	33114-020	1	Screw-HH
22	33024-00	1	Nut-Lock
23	94-5350	2	Tee-Bulkhead
23:1	237-65	3	O-Ring
24	99-4221	1	Retainer-Hose

Ref. No.	Part No.	Qty.	Description
25	3296-29	2	Nut-Lock, NI
26	94-5352	1	Retainer-Hose
27	3290-378	1	Tie-Cable

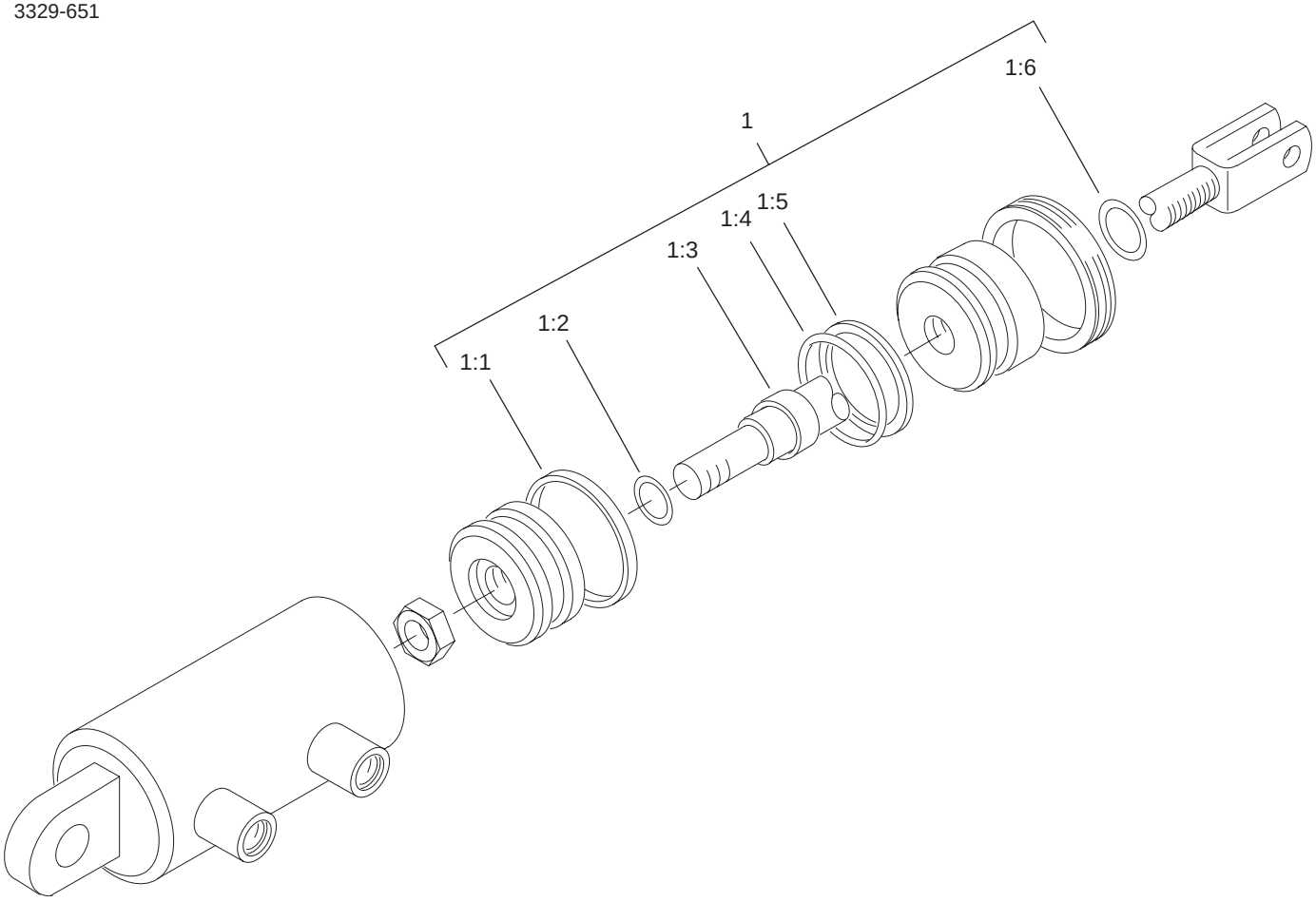


Sheet No.:19

Left Hand and Right Hand Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	105-3821	2	HYD Cylinder ASM
2	340-132	4	Fitting-HYD, 90°
2:1	237-78	1	O-Ring
2:2	237-21	1	O-Ring
3	93-2255	1	HYD Hose ASM
4	93-2256	1	HYD Hose ASM
5	10-6060	2	Pin-Pivot, Ram
6	94-8198	2	Pin
7	3296-25	6	Nut-Lock, NI
8	32144-14	4	Screw-HWH
9	283-68	2	Pin-Clevis
11	99-4115	2	Front Lift Frame ASM
11:1	98-4166	2	Bushing
11:2	94-9610	2	Bushing-Flange
12	33096-00	4	Washer-Flat
13	105-3838	2	Spacer
15	3256-26	4	Washer-Flat
16	99-4201	4	Tube-Spacer
17	99-4258	1	RH Link Bracket ASM
17:2	99-4243	2	Bushing-Flange
18	99-4260	1	LH Link Bracket ASM
18:2	99-4243	2	Bushing-Flange
19	105-3809	1	Spring-Torsion, RH
20	105-3818	1	Spring-Torsion, LH
21	99-4213	1	RH Lift Arm ASM
21:2	92-8995	2	Bushing

Ref. No.	Part No.	Qty.	Description
22	99-4212	1	LH Lift Arm ASM
22:2	92-8995	2	Bushing
23	3272-11	2	Pin-Cotter
24	93-2254	2	HYD Hose ASM
26	325-6	5	Screw-HH
27	3218-5	3	Nut-Jam
28	93-2384	2	Spacer-Carrier
31	302-60	2	Fitting-Grease
34	302-5	2	Fitting-Grease
35	74-3730	2	Spacer-Spindle, Rear
38	32144-69	4	Screw-HH
39	325-4	2	Screw-HH
40	325-14	2	Screw-HH
41	3296-54	6	Nut-Lock NI
42	3250-17	6	Screw-PPH
43	99-4111-01	1	Plate-Transport, 1 and 3
44	99-4112-01	1	Plate-Transport, 2
51	99-4225	2	Pad-Wear
52	99-4072	2	Spacer-Frame, Pull



T-3724

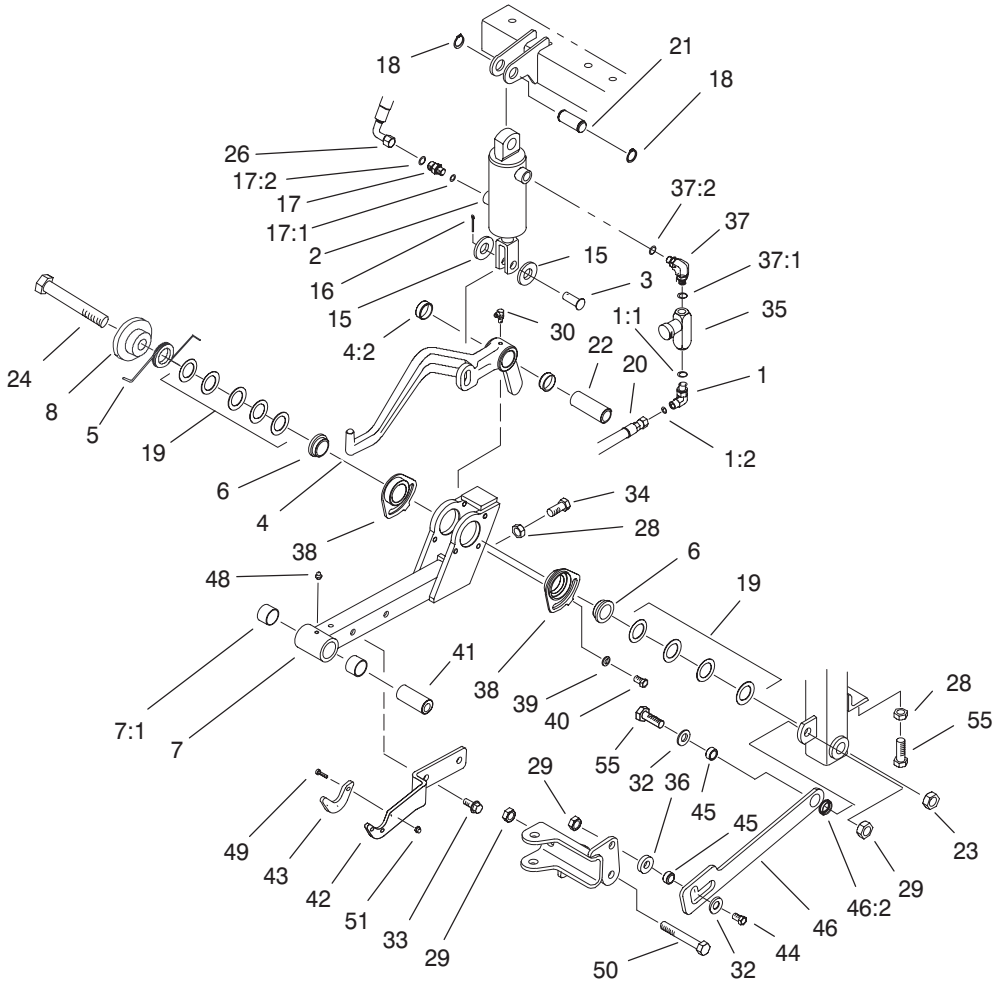
Sheet No.:B2

Hydraulic Cylinder Assembly No. 105-3821

Ref. No.	Part No.	Qty.	Description
1	105-3836	1	Seal Kit
☆1:1		1	T-Seal
☆1:2		1	O-Ring
☆1:3		1	Seal-Rod
☆1:4		1	O-Ring
☆1:5		1	Backup
☆1:6		1	Seal-Dust

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

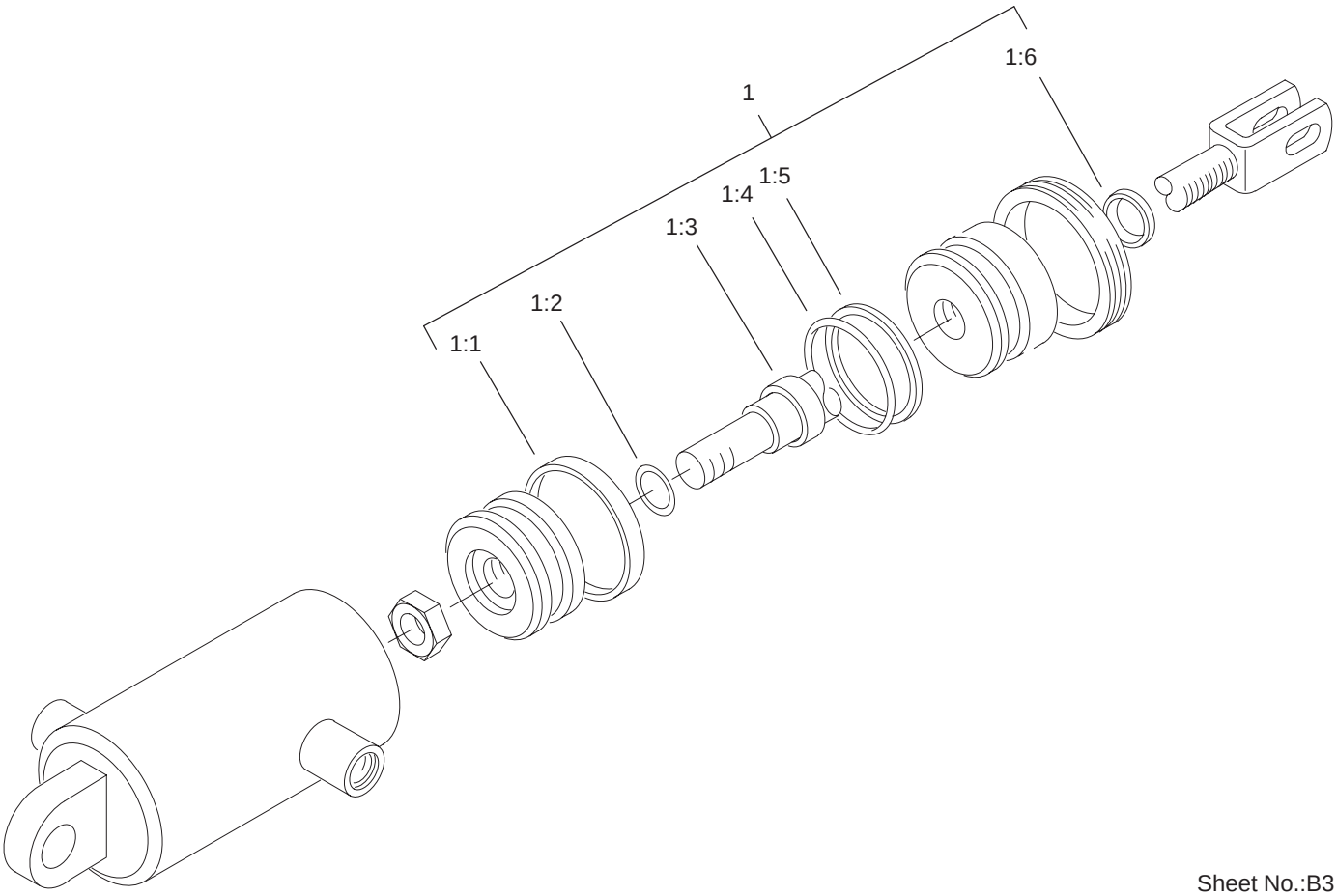


Sheet No.:20

Center Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	340-132	1	Fitting-HYD, 90°
1:1	237-78	1	O-Ring
1:2	237-21	1	O-Ring
2	105-3820	1	HYD Cylinder ASM
3	283-68	1	Pin-Clevis
4	99-4126	1	Center Lift Arm ASM
4:2	92-8995	2	Bushing
5	105-9781	1	Spring-Torsion
6	98-2197	2	Bushing-Flange
7	99-4116	1	Rear Lift Frame ASM
7:1	98-4166	2	Bushing
8	105-9779	1	Guide-Spring
15	33096-00	2	Washer-Flat
16	3272-11	1	Pin-Cotter
17	95-1639	1	Fitting-HYD
17:1	237-78	1	O-Ring
17:2	237-21	1	O-Ring
18	32120-72	2	Ring-Snap
19	63-2290	9	Washer-Thrust
20	93-2258	1	HYD Hose ASM
21	94-3452	1	Pin
22	94-8199	1	Tube-Pivot
23	3296-53	1	Nut-Lock, NI
24	327-25	1	Screw-HH
26	94-3477	1	HYD Hose ASM
28	3218-5	2	Nut-Jam

Ref. No.	Part No.	Qty.	Description
29	3296-25	3	Nut-Lock, NI
30	302-60	1	Fitting-Grease
32	3256-26	2	Washer-Flat
33	32144-69	2	Screw-HH
34	325-5	1	Screw-HH
35	93-7489	1	Orifice Valve ASM
36	99-4248	1	Spacer
37	95-2927	1	Fitting-Elbow
37:1	237-78	2	O-Ring
38	98-4618	2	Bushing-Eccentric
39	3256-74	2	Washer-Flat
40	33114-016	2	Screw-HH
41	99-4072	1	Spacer-Frame, Pull
42	99-4111-01	1	Plate-Transport, 1 and 3
43	99-4225	1	Pad-Wear
44	325-7	1	Screw-HH
45	99-4201	2	Tube-Spacer
46	99-4246	1	Link Bracket ASM
46:2	99-4243	1	Bushing-Flange
48	302-5	1	Fitting-Grease
49	3250-17	3	Screw-PPH
50	325-14	1	Screw-HH
51	3296-54	3	Nut-Lock NI
55	325-6	2	Screw-HH



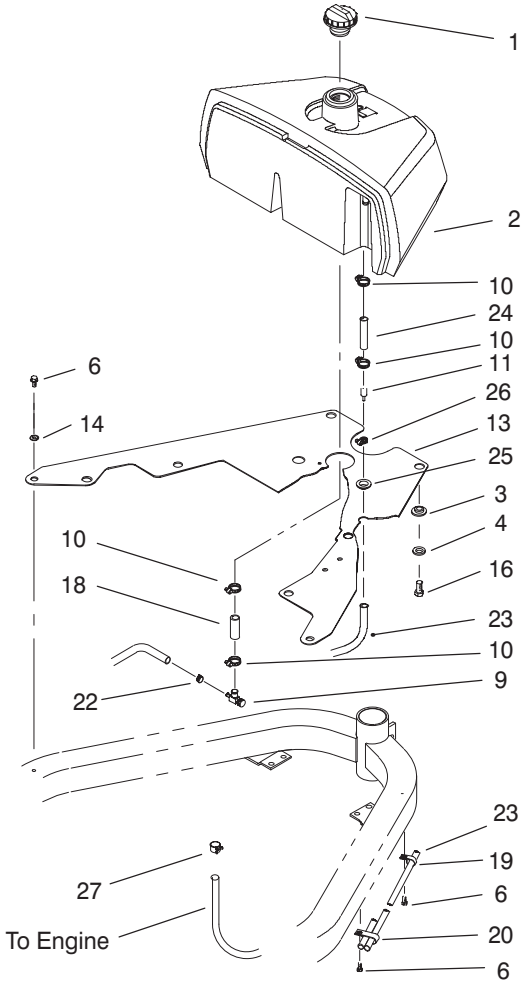
Sheet No.:B3
T-3727

Hydraulic Cylinder Assembly No. 105-3820

Ref. No.	Part No.	Qty.	Description
1	105-3836	1	Seal Kit
☆1:1		1	T-Seal
☆1:2		1	O-Ring
☆1:3		1	Seal-Rod
☆1:4		1	O-Ring
☆1:5		1	Backup
☆1:6		1	Seal-Dust

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

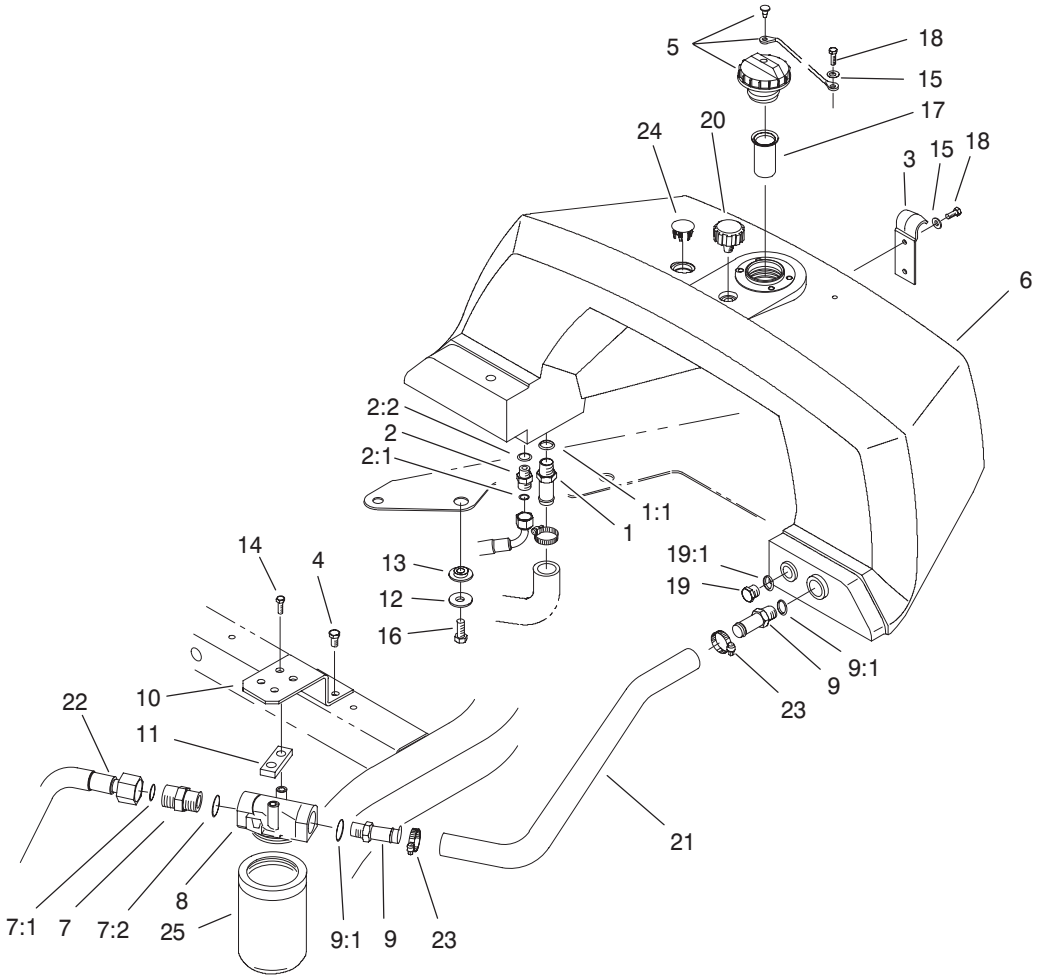


Sheet No.:21

Fuel System Assembly

Ref. No.	Part No.	Qty.	Description
1	93-3102	1	Cap-Fuel
2	93-2225	1	Tank-Fuel
3	240-11	3	Grommet-Mount, Tank
4	93-4637	3	Washer-Flat
6	32144-14	5	Screw-HWH
9	56-2520	1	Fitting-Shut Off, Fuel
10	2412-36	4	Clamp-Hose
11	93-2299	1	Fitting-Fuel
13	94-1364-03	1	Plate
14	3256-23	2	Washer-Flat
16	33115-020	3	Screw-HH
18	94-4353	1	Hose-Line, Fuel
19	2412-41	1	Clamp
20	92-5753	1	Clamp-Hose
22	92-2379	1	Clamp-Hose
23	93-2298	1	Hose-Fuel
24	56-2230	1	Hose-Fuel
25	237-124	1	Grommet
26	2412-108	1	Clamp-W orm
27	94-8189	1	Clamp-Hose

Ref. No.	Part No.	Qty.	Description

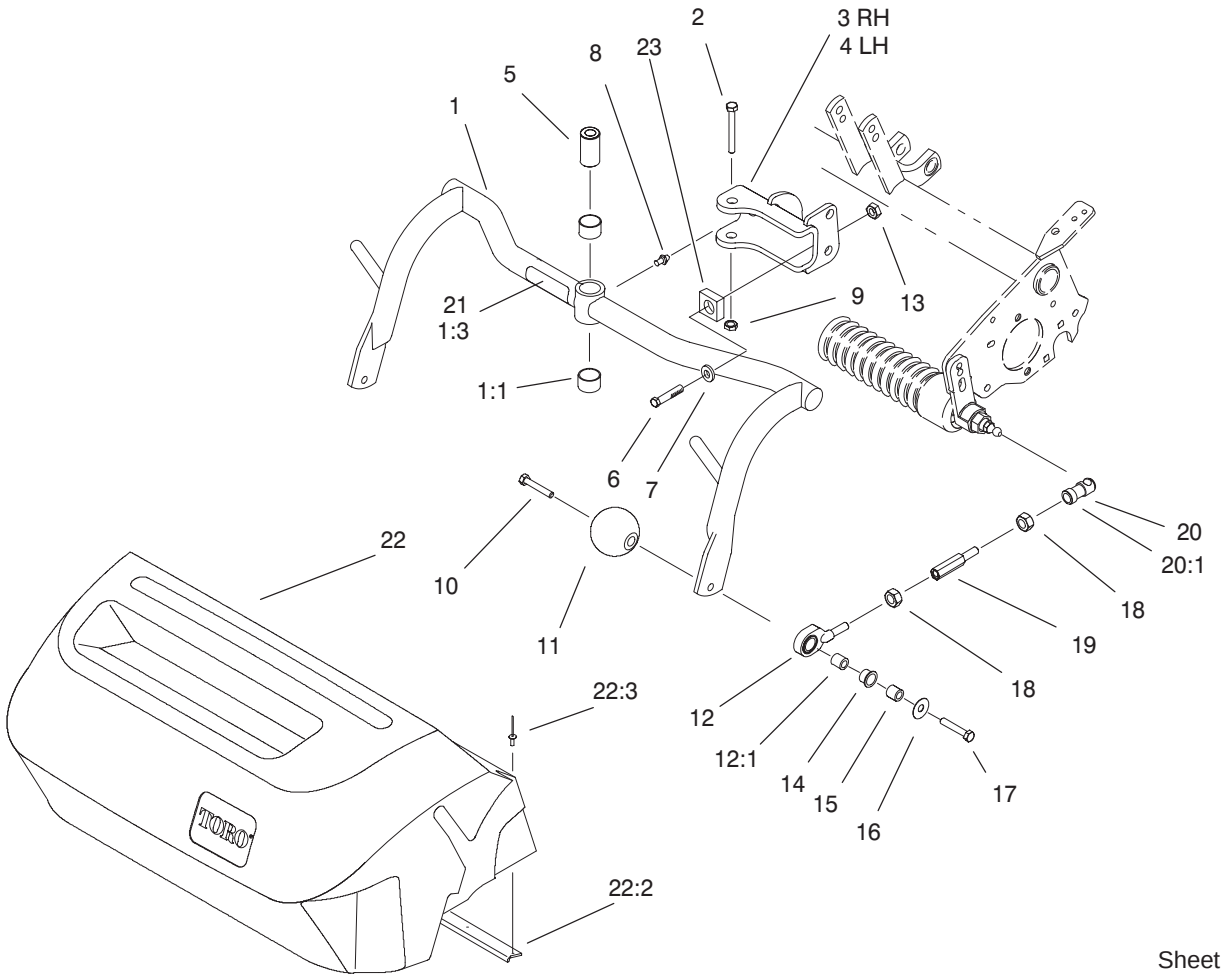


Sheet No.:22

Hydraulic Tank and Filter Assembly

Ref. No.	Part No.	Qty.	Description
1	354-78	1	Connector-Hose
1:1	237-146	1	O-Ring
2	340-2	1	Fitting-HYD, Straight
2:1	237-22	1	O-Ring
2:2	237-42	1	O-Ring
3	93-2438	1	Clamp-Tank, Fuel
4	32144-14	2	Screw-HWH
5	93-7160	1	Cap-Oil, HYD
6	93-2235	1	Tank-HYD
7	340-9	1	Fitting-HYD, Straight
7:1	237-58	1	O-Ring
7:2	237-81	1	O-Ring
8	92-5821	1	Filter Head ASM
9	354-73	2	Fitting
9:1	237-81	1	O-Ring
10	105-9793-03	1	Mount-Filter , Oil
11	105-4309	1	Plate-Filter
12	93-4637	4	Washer-Flat
13	240-11	4	Grommet-Mount, Tank
14	321-6	2	Screw-HH
15	3256-1	3	Washer-Flat
16	33115-020	4	Screw-HH
17	93-2275	1	Screen-Filler
18	33113-016	3	Screw-HH
19	353-988	1	Plug-Hex, Hollow

Ref. No.	Part No.	Qty.	Description
19:1	237-79	1	O-Ring
20	68-6150	1	Breather
21	94-9607	1	Hose-Return
22	94-4518	1	Tube ASM
23	2412-129	2	Clamp-Hose
24	93-2437	1	Plug-Serrated
25	105-0438	1	Element-Filter



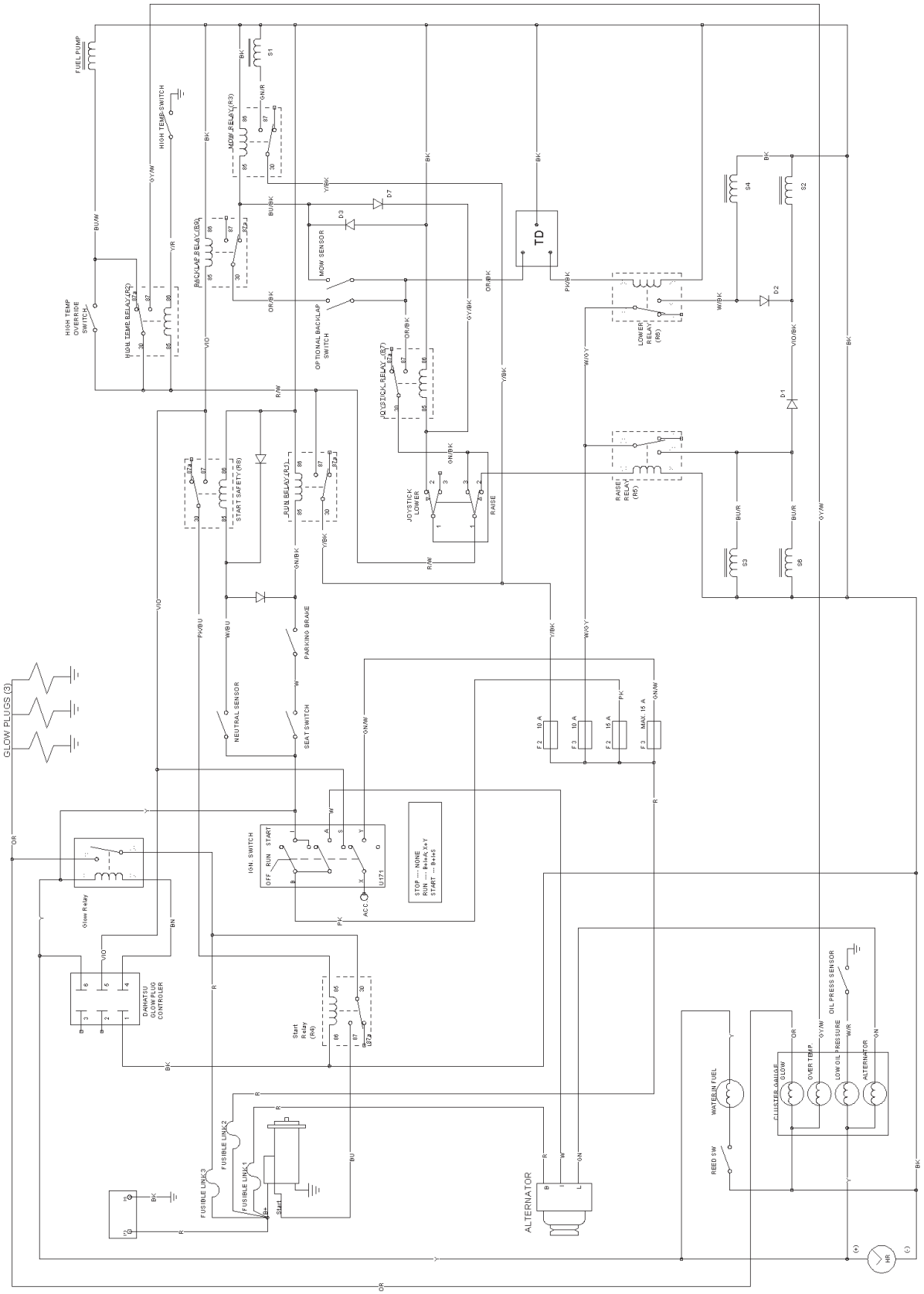
Sheet No.:30

Center Pull Frame Assembly

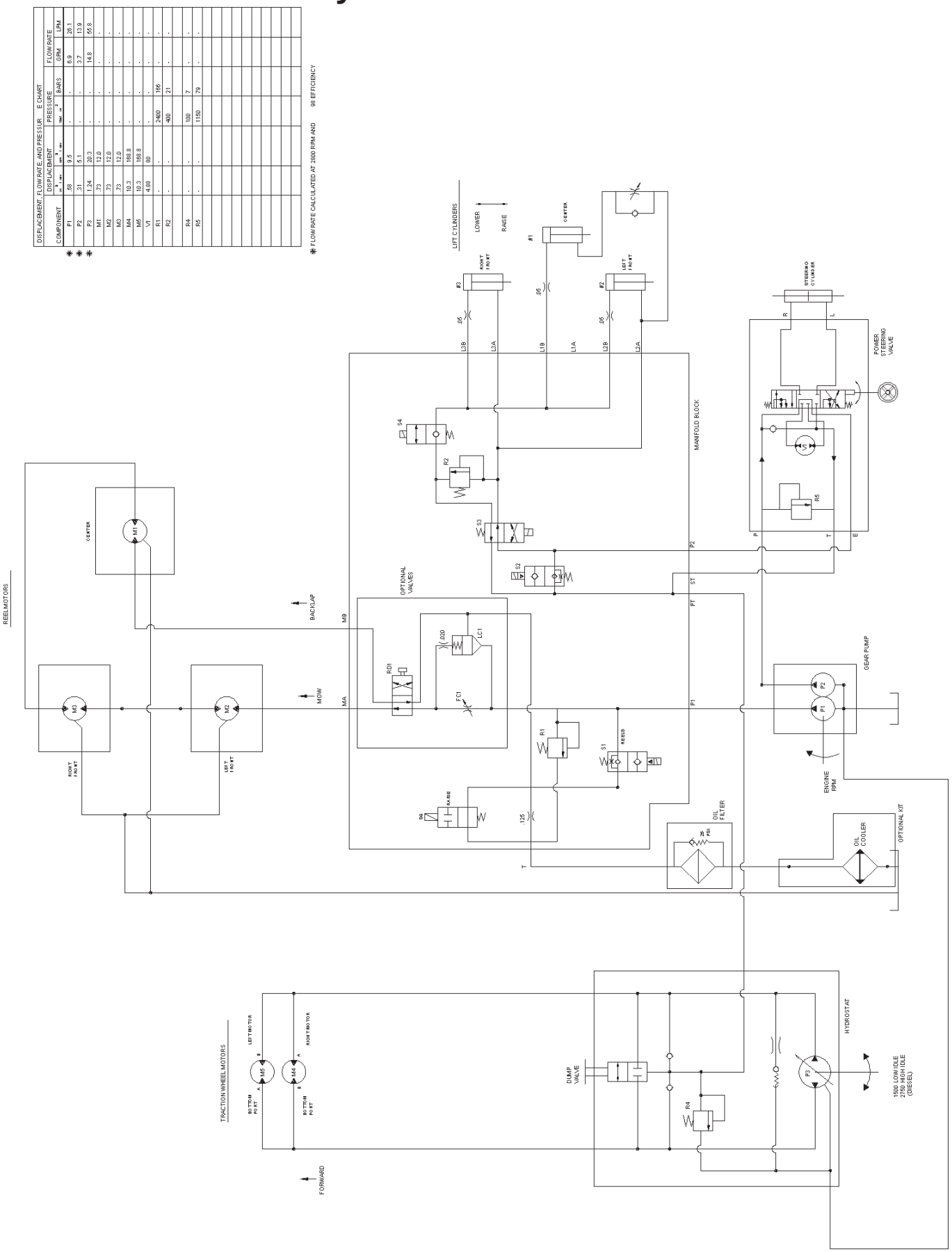
Ref. No.	Part No.	Qty.	Description
1	99-41 14	3	Pull Frame ASM
1:1	98-4166	2	Bushing
1:3	104-7728	1	Decal-Danger
2	325-13	3	Screw-HH
3	99-4183-01	2	RH Clevis ASM
4	99-4182-01	1	LH Clevis ASM
5	99-4109	3	Spacer-Pivot
6	78-8710	3	Screw
7	3256-77	3	Washer-Flat
8	302-5	3	Fitting-Grease
9	3296-25	3	Nut-Lock, NI
10	99-4209	6	Shaft-Roller
11	99-4210	6	Roller-Anti Scalp
12	100-6440	6	Pull Link And Bushing ASM
12:1	95-0532	1	Rubber Bushing ASM
13	3296-12	3	Nut-Lock
14	104-7738	6	Bushing-Flange
15	75-5270	6	Spacer-Knob, Seat
16	80-6990	6	Washer-Hardened
17	323-8	6	Screw-HH
18	3220-3	12	Nut-Jam
19	88-6870	6	Extension-Arm, Pull
20	99-1460	6	Ball Joint Receiver ASM
20:1	99-1461	1	Sleeve-Joint, Ball

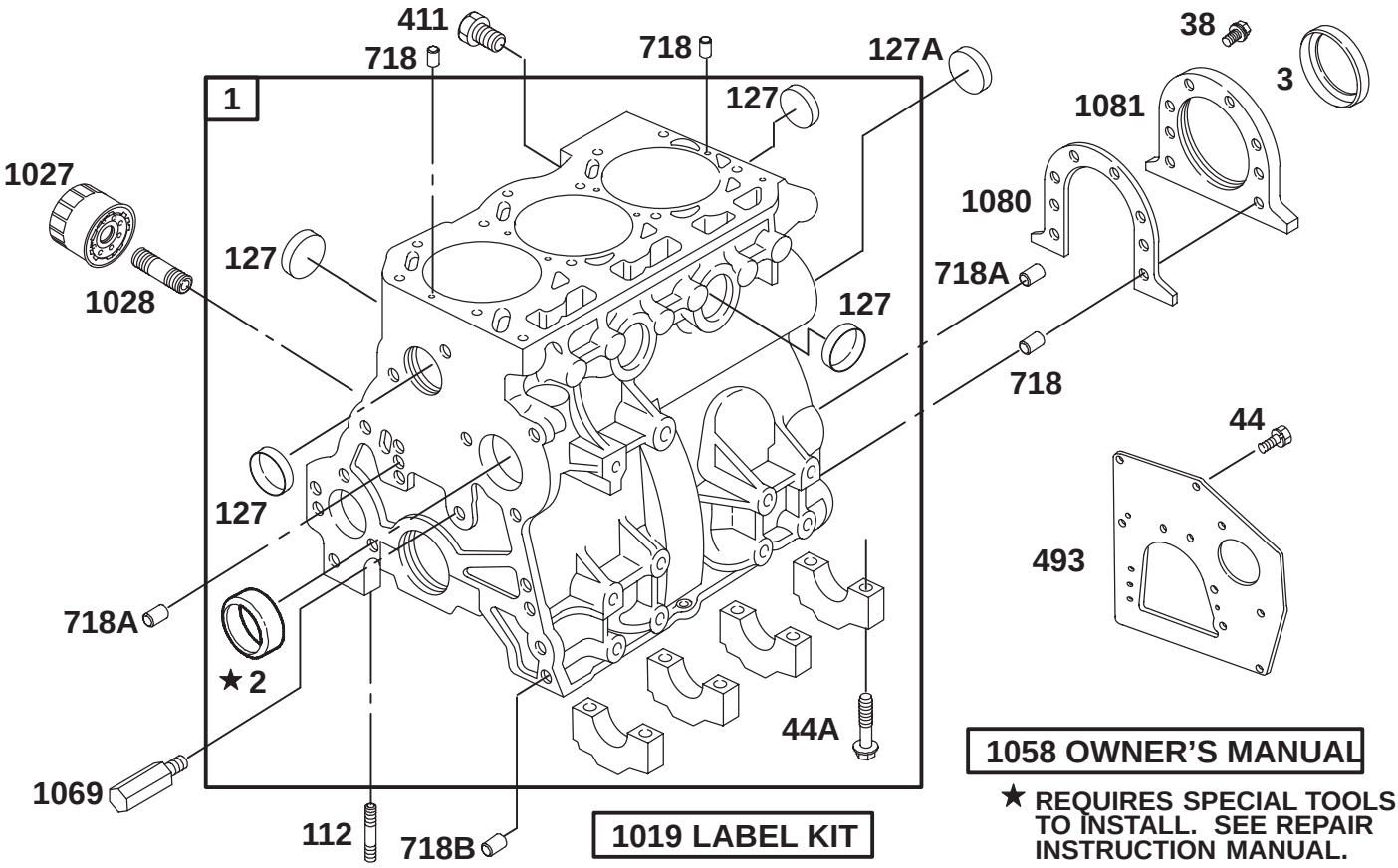
Ref. No.	Part No.	Qty.	Description
21	104-7729	3	Decal-Danger (Europe)
22	104-2071	3	Basket ASM
22:2	104-2607	1	Strip-Basket
22:3	3290-382	8	Rivet-Pop
23	94-1392	3	Pad-Rubber

Electrical Schematic



Hydraulic Schematic



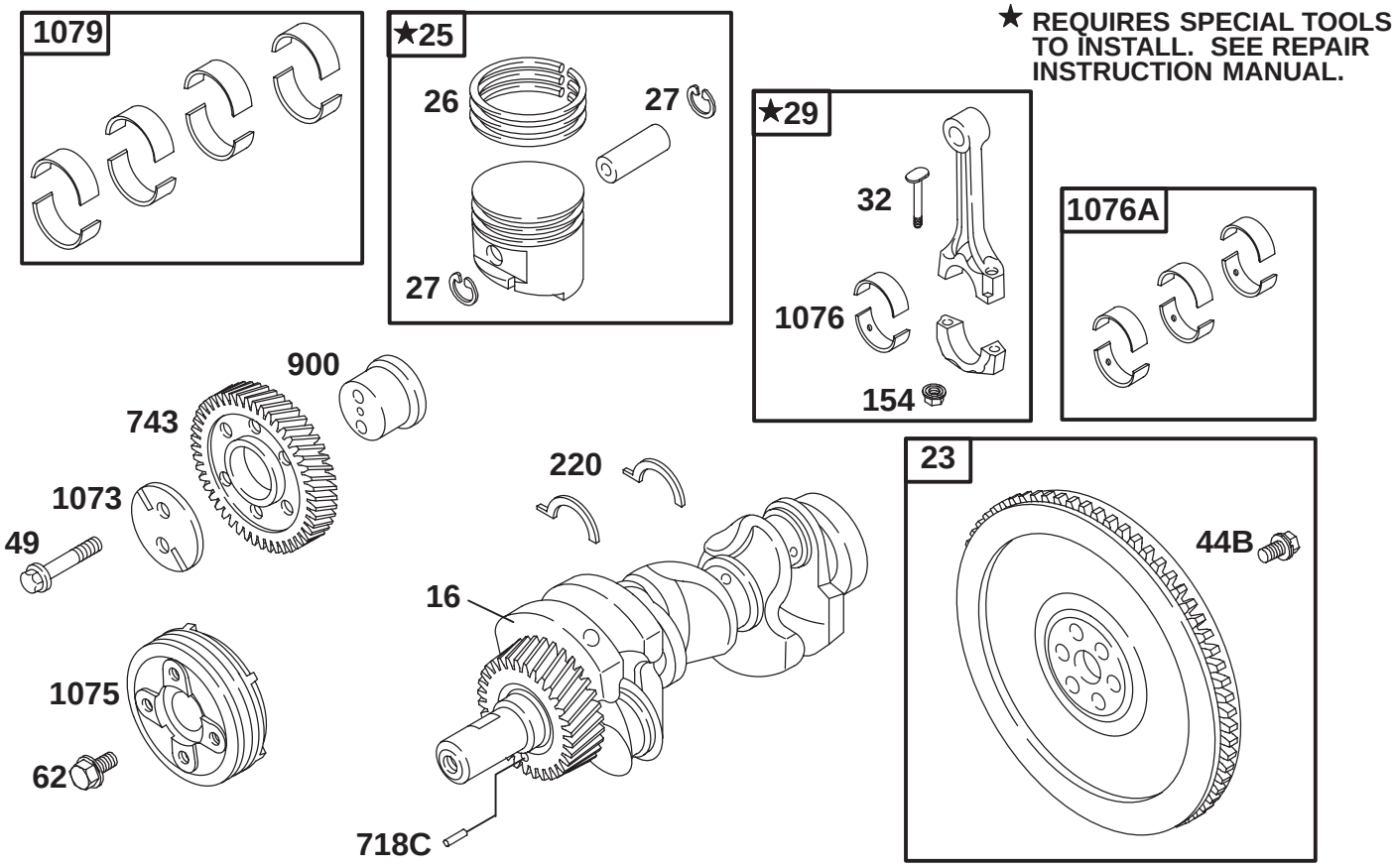


Sheet No.:3

Cylinder Assembly

Ref. No.	Part No.	Qty.	Description
01	100-6401	1	Cylinder ASM
02	99-9002	1	Bushing
03	99-9003	1	Seal-Oil
1019	99-9015	1	Label Kit
1027	99-9017	1	Filter-Oil
1028	99-9018	1	Adapter-Filter , Oil
1058	99-9602	1	Manual-Owner 's
1069	99-9020	1	Nozzle-Oil
1080	99-9021	1	Gasket-Retainer
1081	99-9022	1	Retainer-Seal
112	99-9007	1	Stud-Metric
127	99-9008	7	Plug-W elch
127A	99-9010	1	Plug-W elch
38	99-9004	6	Screw-Hex
411	99-9601	1	Plug (Cylinder Block)
44	99-9005	3	Screw-Hex
44A	99-9006	8	Screw-Hex
493	100-3195	1	Bracket-Mounting
718	99-9012	4	Pin-Locating
718A	99-9013	3	Pin-Locating
718B	99-9014	2	Pin-Locating

Ref. No.	Part No.	Qty.	Description

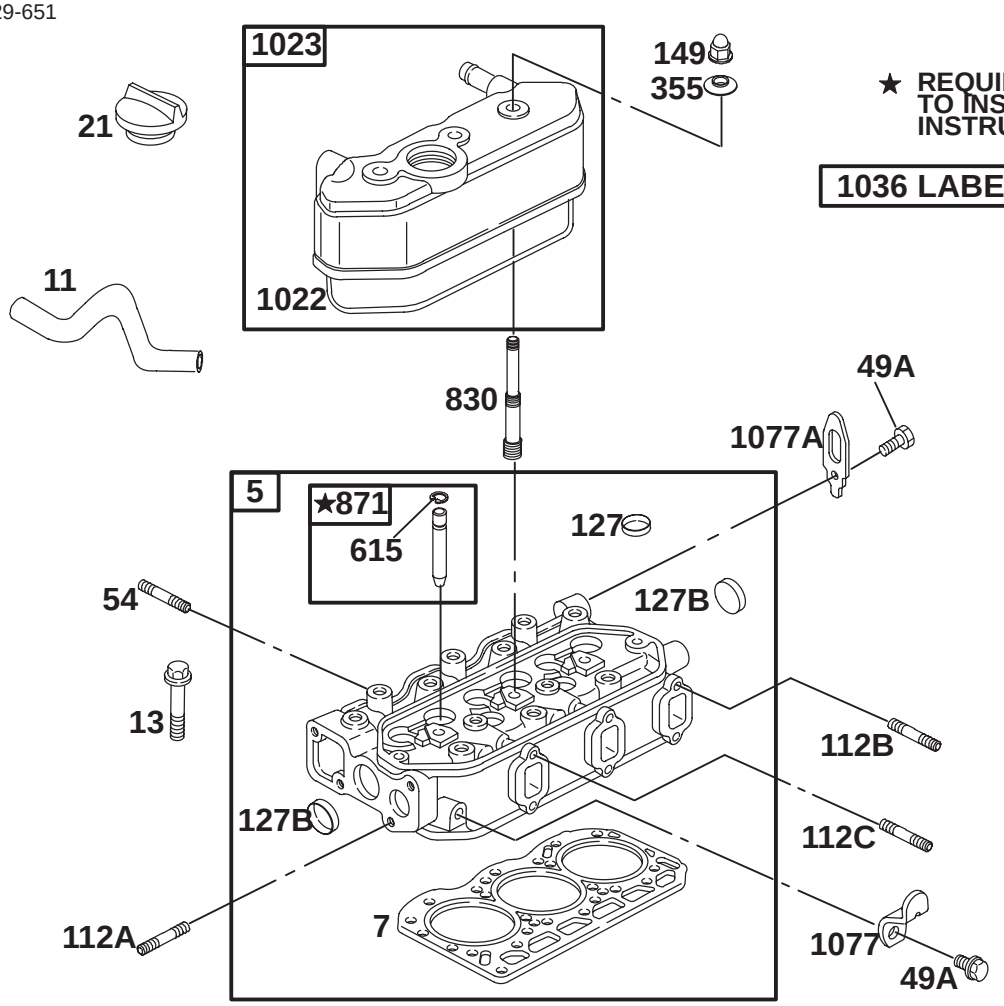


Sheet No.:4

Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description
1073	99-9040	1	Plate-Gear , Idler
1075	99-9692	1	Pully-Crankshaft
1076	99-9042	1	Bearing-Rod
1076A	99-9044	3	Rod Bearing Set (.010 Undersize)
1076A	99-9043	3	Rod Bearing Set
1079	99-9045	1	Bearing Set (Main)
1079	99-9046	1	Bearing Set (.010 Undersize)
154	99-9034	6	Nut-Hex
16	99-9252	1	Crankshaft
220	99-9036	1	Washer-Thrust
220	99-9035	1	Washer-Thrust
23	99-9267	1	Flywheel
25	99-9268	3	Piston ASM
25	99-9605	3	Piston ASM
26	99-9269	3	Ring Set
26	99-9606	3	Ring Set
27	99-9607	6	Lock-Pin, Piston
29	99-9608	3	Rod-Connecting
32	99-9030	6	Screw-Rod, Connecting
44B	99-9031	6	Screw-Hex
49	99-9032	2	Screw-Hex
62	99-9033	1	Screw-Hex
718C	99-9037	1	Pin-Locating

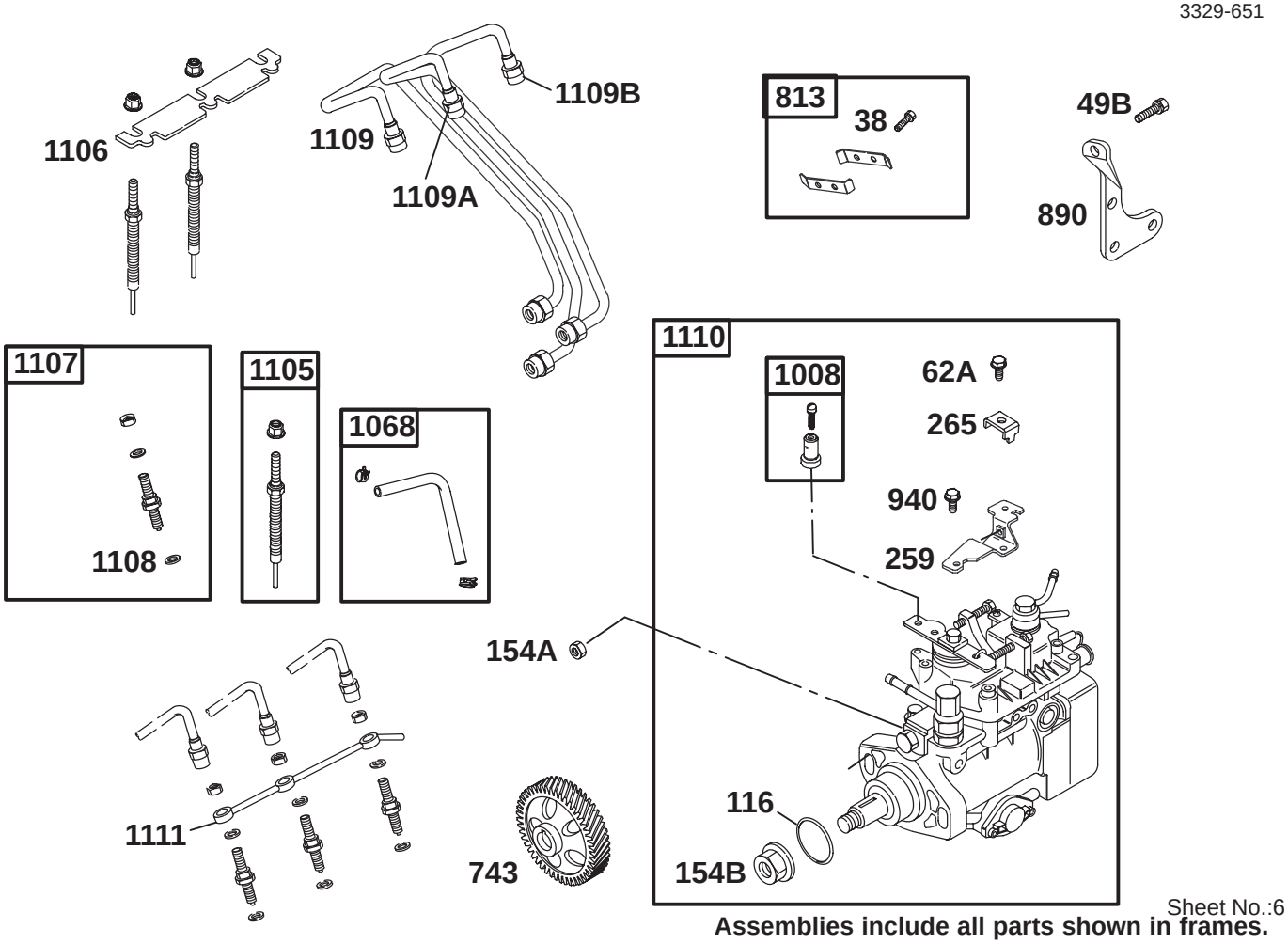
Ref. No.	Part No.	Qty.	Description
743	99-9609	1	Gear-Drive
900	99-9039	1	Shaft-Gear



Cylinder Head Assembly

Ref. No.	Part No.	Qty.	Description
05	99-961 1	1	Head-Cylinder
07	99-9612	1	Gasket-Head, Cylinder
1022	99-9073	1	Gasket-Cover , Rocker
1023	100-6402	1	Cover-Rocker
1036	99-9615	1	Emission Label Kit
1077	99-9076	1	Bracket-Lifting
1077A	99-9077	1	Bracket-Lifting
11	104-7743	1	Tube-Breather
112A	99-9057	2	Stud-Metric
112C	99-9059	1	Stud-Metric
117B	99-9058	5	Stud-Metric
127	99-9008	2	Plug-W elch
127B	99-9060	2	Plug-W elch
13	99-9614	14	Screw-Metric
149	99-9061	3	Nut-Hex, Metric
21	99-9052	1	Cap-Fill, Oil
355	99-9063	3	Washer-Seal
49A	99-9054	2	Screw-Hex
54	99-9055	2	Stud-Metric
615	99-9067	6	Retainer
830	99-9101	3	Stud-Arm, Rocker
871	99-9070	6	Bushing-Guide

Ref. No.	Part No.	Qty.	Description



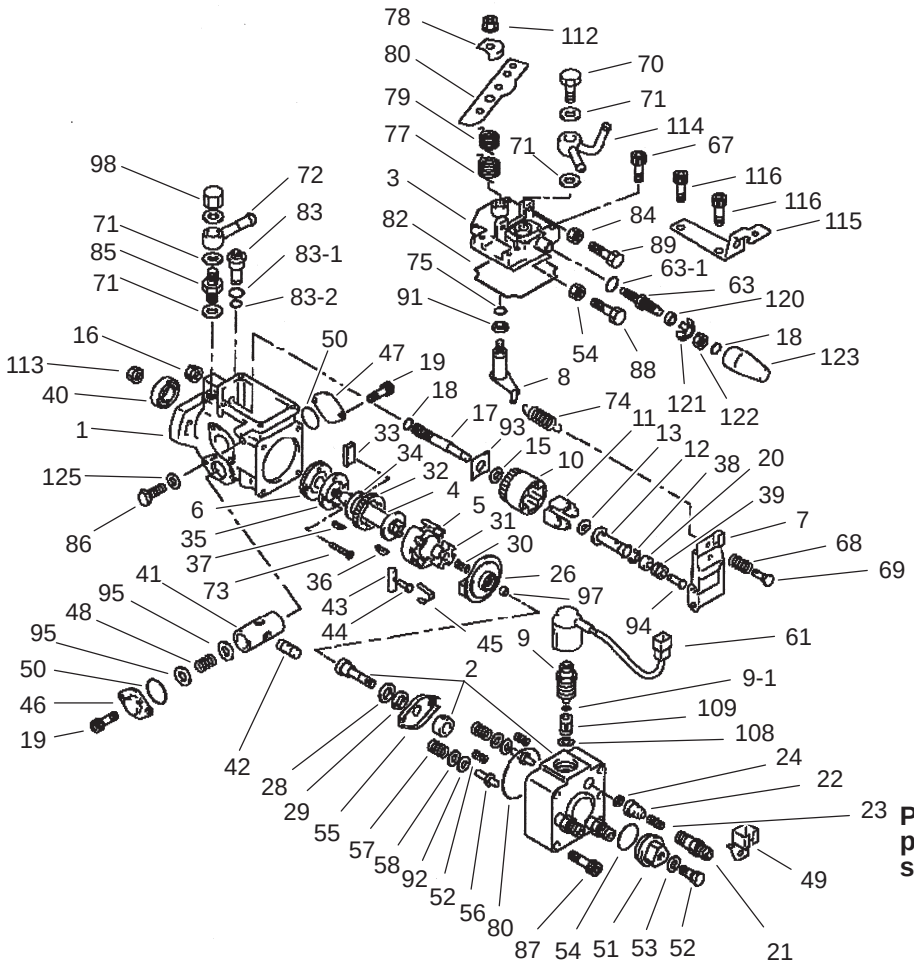
Sheet No.:6

Assemblies include all parts shown in frames.

Injection Assembly

Ref. No.	Part No.	Qty.	Description
1008	99-9628	1	Clamp-Swivel
1068	99-9629	1	Hose/Clamp ASM
1105	99-9630	3	Plug-Glow
1106	99-9631	1	Strap-Plug, Glow
1107	105-9789	3	Injection Nozzle
1108	99-9633	3	Seat-Injector
1109	99-9690	1	Pipe-Injector , #1
1109A	99-9634	1	Pipe-Injector , #2
1109B	99-9635	1	Pipe-Injector , #3
1110	106-6364	1	Pump-Injection
1111	99-9637	1	Pipe-Return, Fuel
116	99-9618	1	O-Ring
154A	99-9619	2	Nut-Hex, Metric
154B	99-9620	1	Nut-Hex, Metric
259	99-9621	1	Bracket-Clamp, Casing
265	99-9622	1	Clamp-Casing
38	99-9004	2	Screw-Hex
49B	99-9616	4	Screw-Hex
62A	100-6403	1	Screw-Metric
743	99-9624	1	Gear-Drive
813	99-9625	1	Clamp
890	99-9626	1	Bracket-Support
940	100-6410	2	Screw-Hex

Ref. No.	Part No.	Qty.	Description



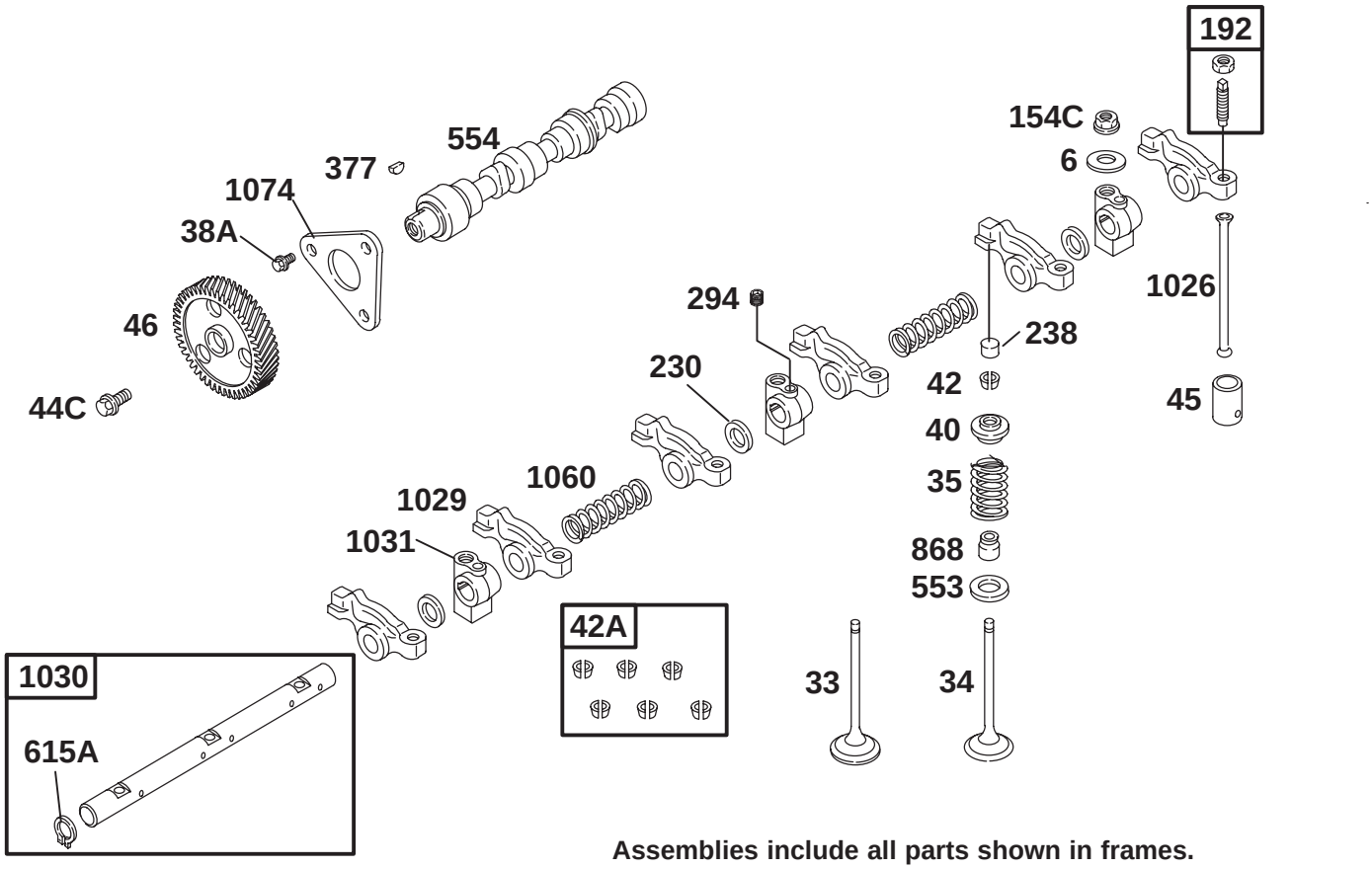
Parts not listed in part list are not serviced separately

Sheet No.:A1

Injection Assembly No. 106-6364

Ref. No.	Part No.	Qty.	Description
108	100-5303	1	Filter, Sub-ASM
109	100-5304	1	Washer
114	100-5307	1	Nipple Sub-ASM,S
125	100-5314	2	Gasket, Delivery V
40	100-5190	1	Seal, Oil
50	100-5202	2	O-Ring
53	100-5205	1	Gasket, Delivery V
54	100-5206	1	O-Ring
61	100-5212	1	Wire, Sub ASM
70	100-5220	1	Screw, Sub-ASM, Ov
71	100-5221	5	Washer, Air Bleede
72	100-5222	1	Nipple Sub-ASM, S
77	100-5226	1	Spring Return
79	100-5228	1	Spring Return
83	100-5230	1	Valve Sub-ASM, Re
85	100-5234	1	Screw, Hollow
9	100-5161	1	Solenoid ASM, Fule
9-1	100-5162	1	O-Ring
98	100-5302	1	Nut, Cap

Ref. No.	Part No.	Qty.	Description



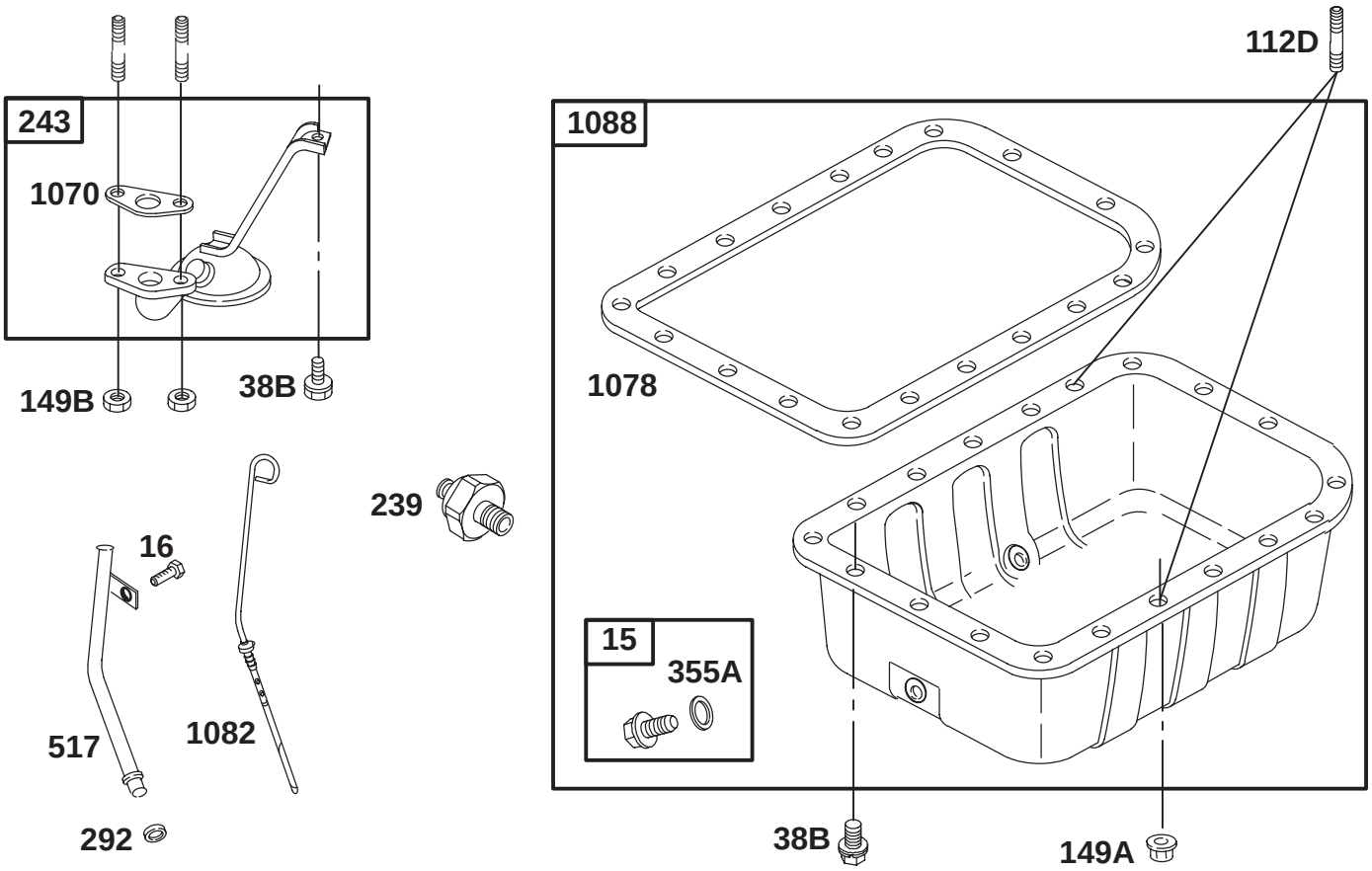
Assemblies include all parts shown in frames.

Sheet No.:7

Rocker Arm Assembly

Ref. No.	Part No.	Qty.	Description
06	99-9079	3	Washer-Flat
1026	99-9103	6	Rod-Push
1029	99-9104	1	Arm-Rocker
1030	99-9106	1	Shaft-Arm, Rocker
1031	99-9107	3	Support-Arm, Rocker
1060	99-9108	2	Spring-Shaft, Rocker
1074	99-9109	1	Retainer-Camshaft
154C	99-9091	3	Nut-Hex, Metric
192	99-9092	6	Adjuster-Arm, Rocker
230	99-9093	3	Washer-Spacer
238	99-9094	6	Cap-V alve
294	99-9090	1	Screw-Metric
33	99-9638	3	Valve-Exhaust
34	99-9639	3	Valve-Intake
35	99-9640	6	Spring-V alve
377	99-9642	1	Key-T iming
38A	99-9083	3	Screw-Hex
40	99-9084	6	Retainer-V alve
42	99-9086	1	Keeper-V alve
42A	99-9087	6	Keeper-V alve (Set Of Six)
44C	99-9085	1	Screw-Metric
45	99-9088	6	Tappet-V alve
46	99-9641	1	Gear-Cam
553	99-9096	6	Seat-Spring, Valve
554	99-9097	1	Shaft-Cam

Ref. No.	Part No.	Qty.	Description
615A	99-9099	2	Retainer
868	99-9643	6	Seal-V alve

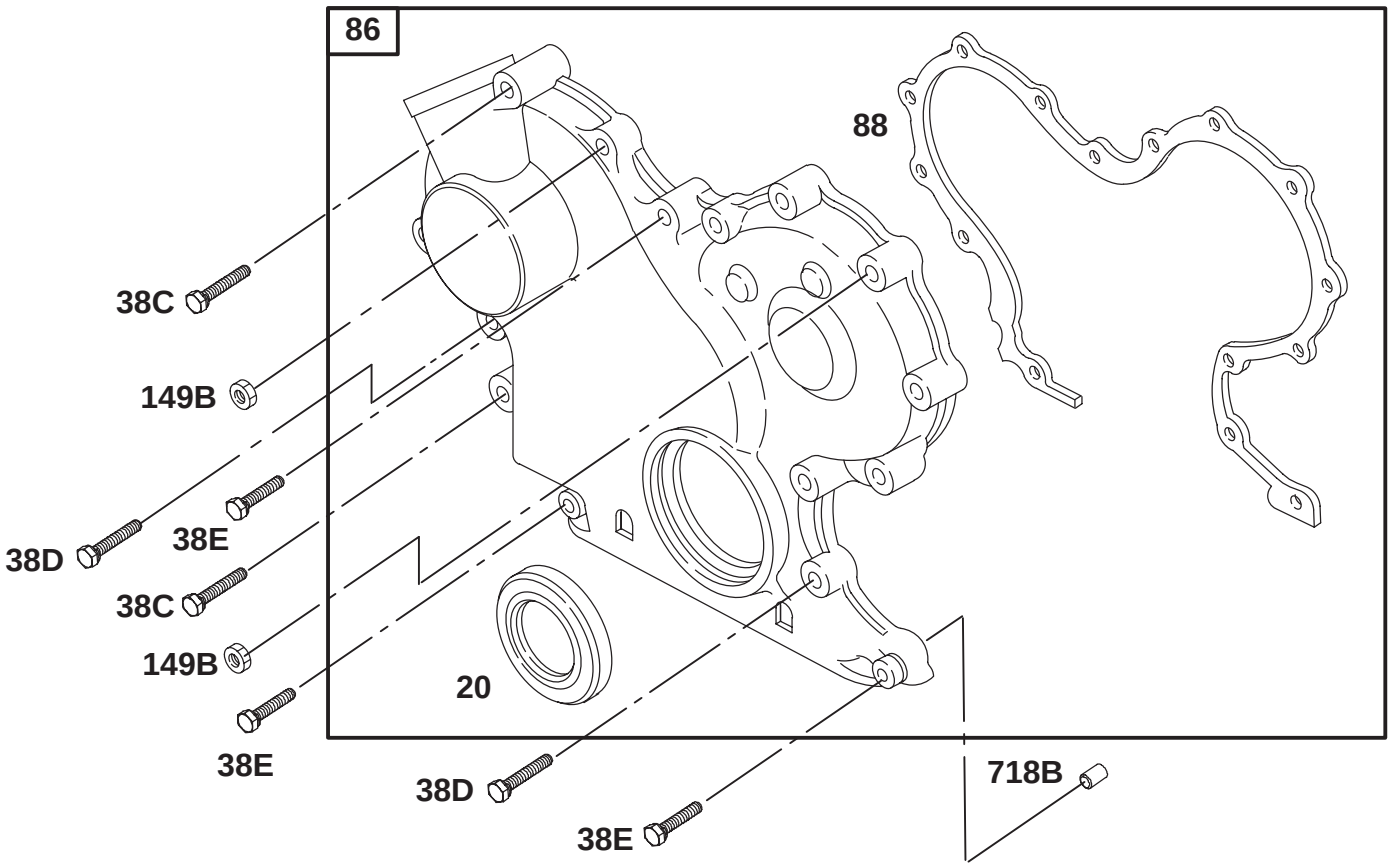


Sheet No.:8

Oil Pan Assembly

Ref. No.	Part No.	Qty.	Description
1070	99-9120	1	Gasket-Strainer , Oil
1078	99-9121	1	Gasket-Pan, Oil
1082	100-6405	1	Dipstick
1088	99-9649	1	Pan-Oil
112D	99-91 12	2	Stud-Metric
149A	99-91 13	2	Nut-Hex, Metric
149B	99-91 14	2	Nut-Hex, Metric
15	99-9644	1	Plug-Drain, Oil
16	99-9256	1	Screw-HH
239	99-91 15	1	Switch-Pressure, Oil
243	99-91 16	1	Screen-Pump, Oil
292	99-9265	1	O-Ring (Dipstick)
355A	99-9645	1	Washer-Seal
38B	99-91 11	18	Screw-Hex
517	100-6406	1	Tube-Dipstick

Ref. No.	Part No.	Qty.	Description

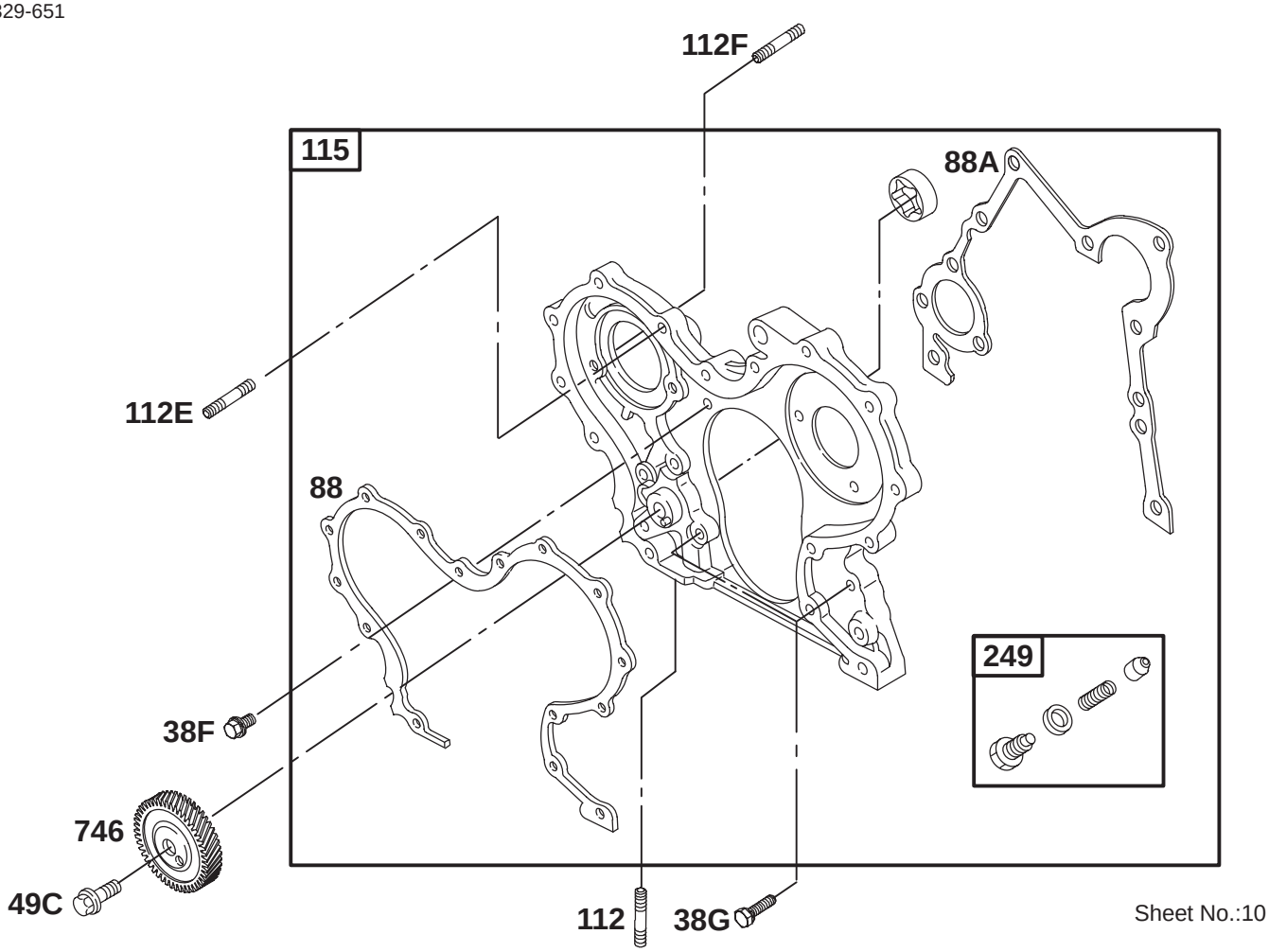


Sheet No.:9

Cover Assembly

Ref. No.	Part No.	Qty.	Description
149B	99-91 14	2	Nut-Hex, Metric
20	99-9126	1	Seal-Oil
38C	99-9651	2	Screw-Hex
38D	99-9128	9	Screw-Hex
38E	99-9129	3	Screw-Hex
718B	99-9014	1	Pin-Locating
86	99-9652	1	Gear Cover ASM
88	99-9653	1	Gasket-Cover , Gear

Ref. No.	Part No.	Qty.	Description

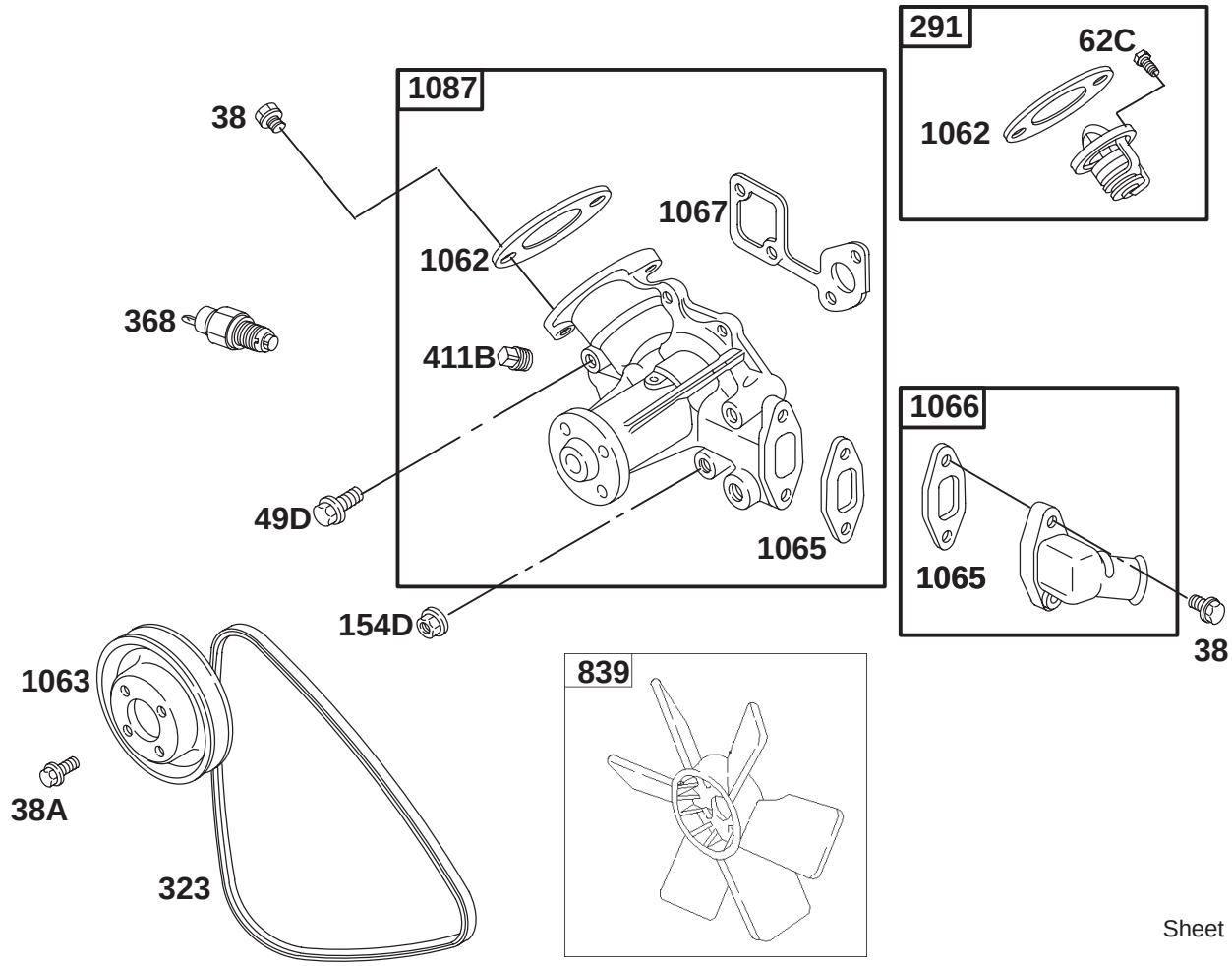


Sheet No.:10

Gear Housing Assembly

Ref. No.	Part No.	Qty.	Description
112	99-9007	1	Stud-Metric
112E	99-9137	2	Stud-Metric
112F	99-9654	2	Stud-Metric
115	99-9655	1	Housing-Gear
249	99-9142	1	Valve-Relief, Oil
38F	99-9134	1	Screw-Hex
38G	99-9133	4	Screw-Hex
49C	99-9135	1	Screw-Hex
746	99-9656	1	Gear-Drive
88	99-9653	1	Gasket-Cover , Gear
88A	99-9136	1	Gasket-Cover , Gear

Ref. No.	Part No.	Qty.	Description

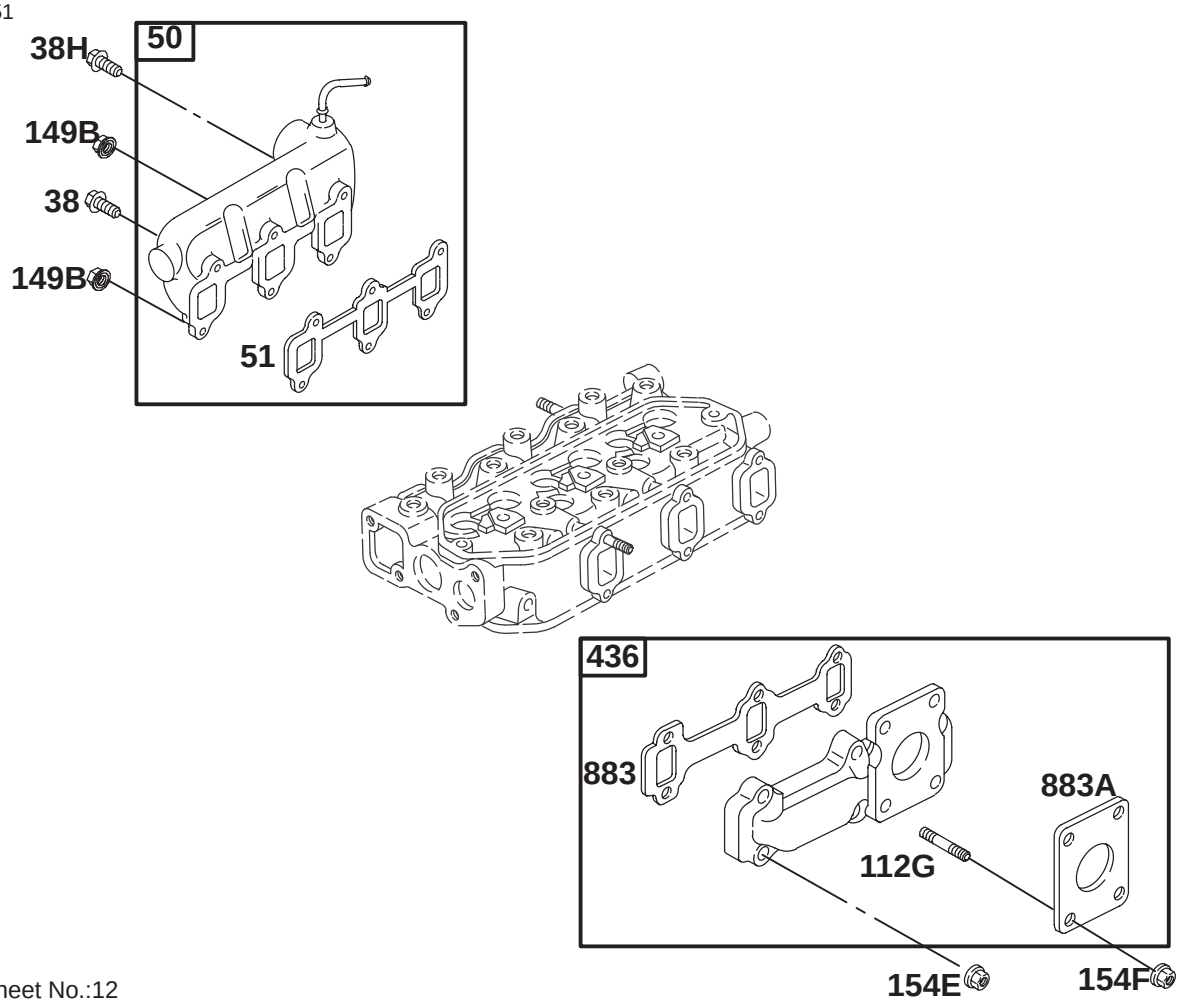


Sheet No.:11

Water Pump Assembly

Ref. No.	Part No.	Qty.	Description
1062	99-9163	1	Gasket-Outlet
1063	99-9164	1	Pulley-Pump
1065	99-9166	1	Gasket-Housing, Inlet
1066	99-9167	1	Housing-Inlet
1067	99-9168	1	Gasket-Pump, Water
1087	105-3832	1	Pump-W ater
154D	99-9153	1	Nut-Hex, Metric
291	99-9155	1	Thermostat
323	99-8153	1	Belt-V
368	99-9157	1	Switch-T emp., Water
38	99-9004	2	Screw-Hex
38A	99-91 11	4	Screw-Hex
411B	99-9159	1	Plug
49D	99-9151	2	Screw-Hex
62C	99-9152	1	Screw-Metric
839	93-2090	1	Fan-Engine

Ref. No.	Part No.	Qty.	Description

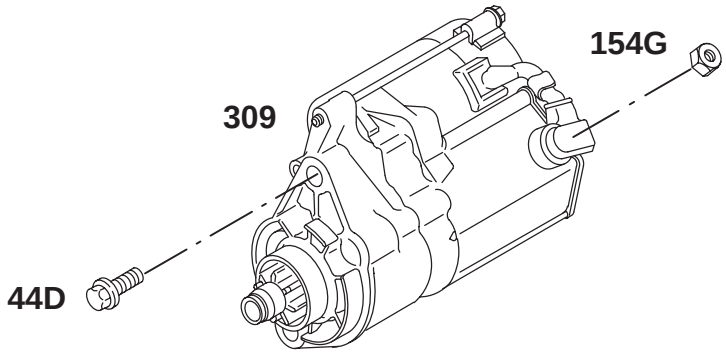


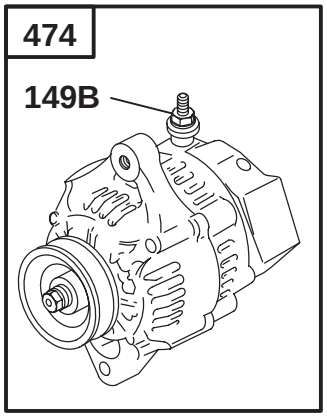
Sheet No.:12

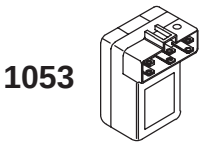
Manifold Assembly

Ref. No.	Part No.	Qty.	Description
112G	100-6407	4	Stud-Manifold, Exhaust
149B	99-91 14	2	Nut-Hex, Metric
154E	99-9175	6	Nut-Hex, Metric
154F	99-9176	4	Nut-Hex
38	99-9004	1	Screw-Hex
38H	99-9660	3	Screw-Hex
436	99-9177	1	Manifold-Exhaust
50	99-9661	1	Manifold-Intake
51	99-9662	1	Gasket-Intake
883	99-9178	1	Gasket-Exhaust
883A	99-9179	1	Gasket-Exhaust

Ref. No.	Part No.	Qty.	Description





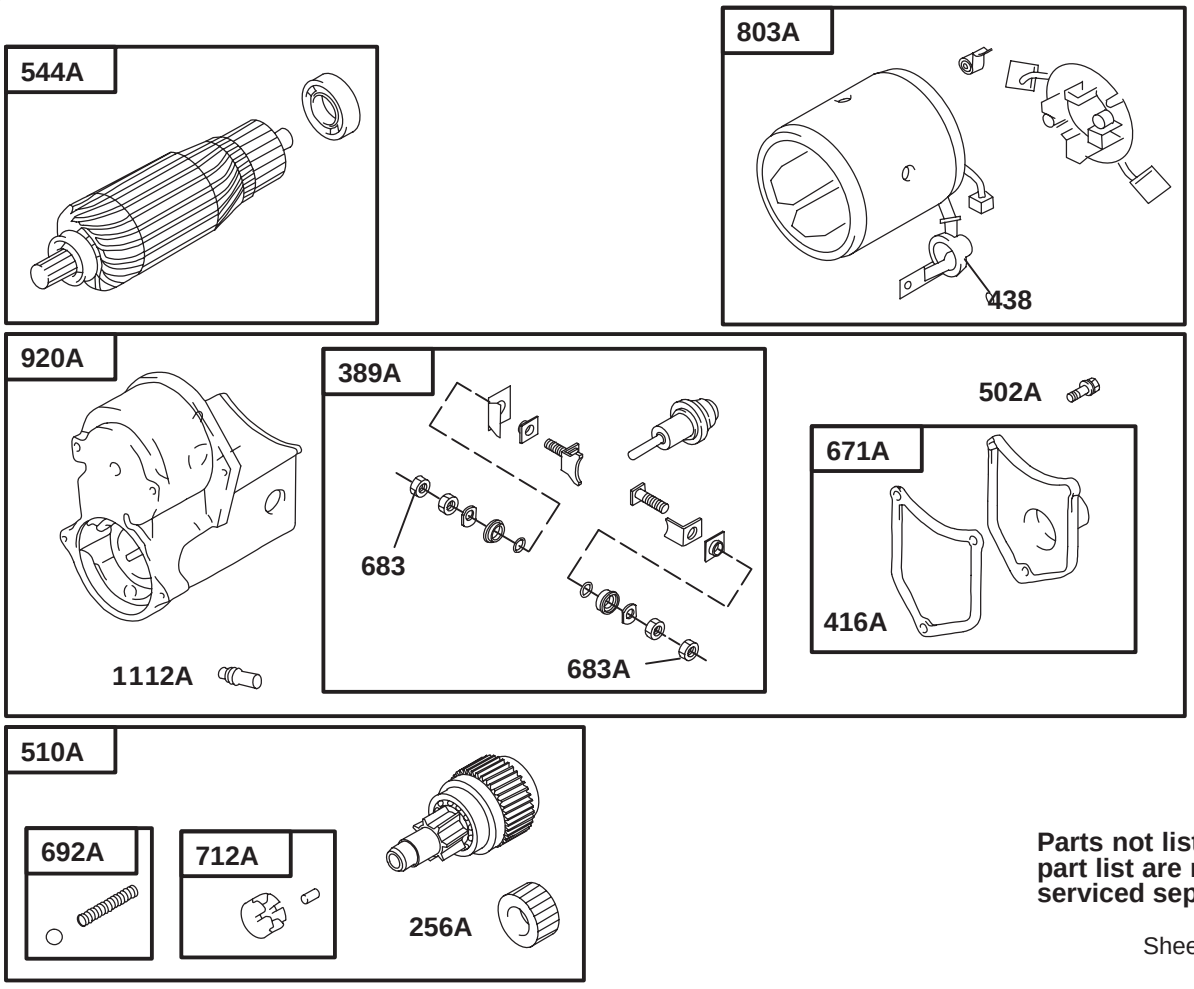


Sheet No.:13

Alternator Assembly

Ref. No.	Part No.	Qty.	Description
1053	99-9666	1	Module
149B	99-91 14	1	Nut-Hex, Metric
154G	99-9206	1	Nut-Hex, Metric
309	104-7716	1	Motor-Starter
44D	99-9201	2	Screw-Hex
474	99-9209	1	Alternator

Ref. No.	Part No.	Qty.	Description



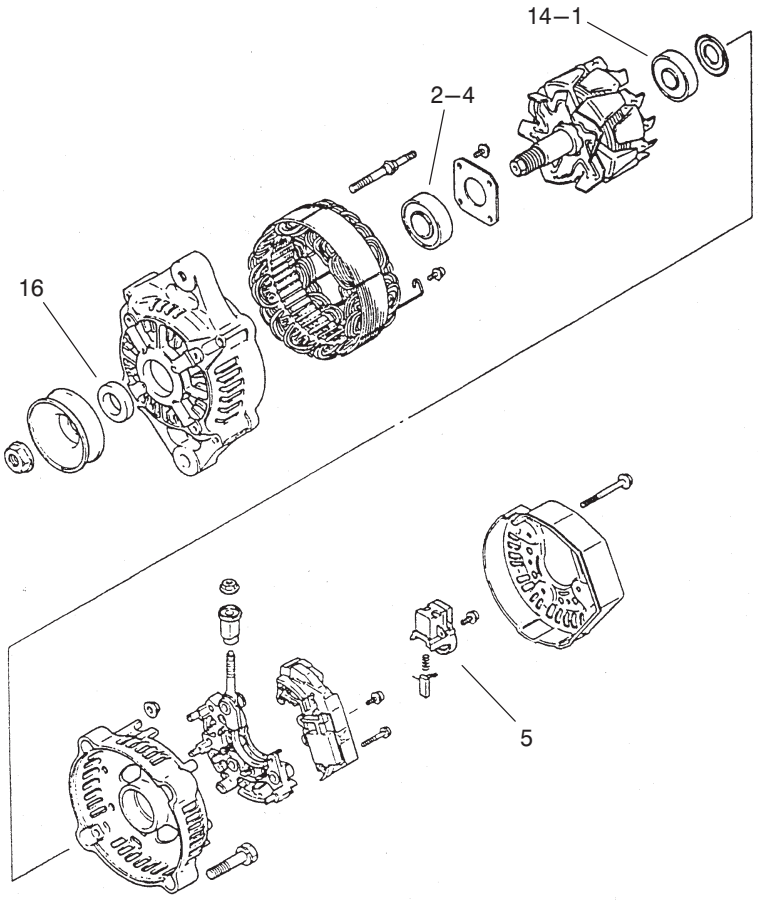
Parts not listed in part list are not serviced separately

Sheet No.:A2

Starter Motor Assembly No. 104-7716

Ref. No.	Part No.	Qty.	Description
389A	105-8636	1	Plunger/Terminal Kit
510A	105-8637	1	Starter Drive
544A	105-8638	1	Starter Armature
803A	105-8639	1	Starter Housing
920A	105-8640	1	Starter Solenoid

Ref. No.	Part No.	Qty.	Description



Parts not listed in part list are not serviced separately

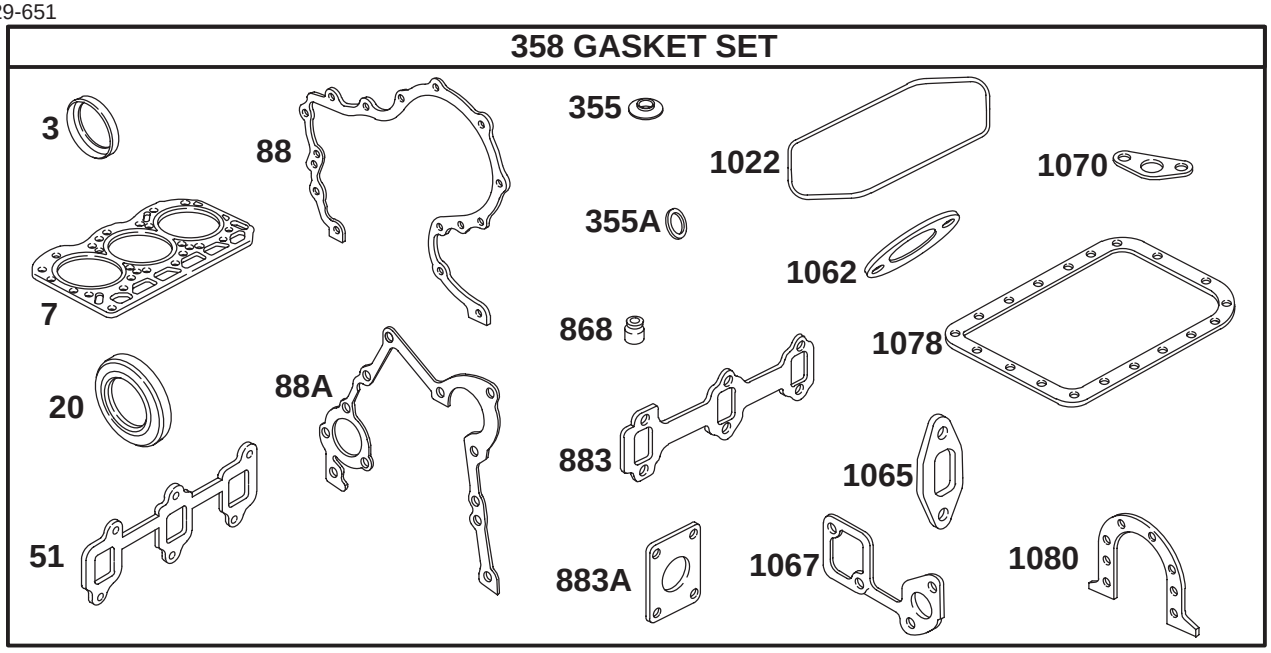
T-3540

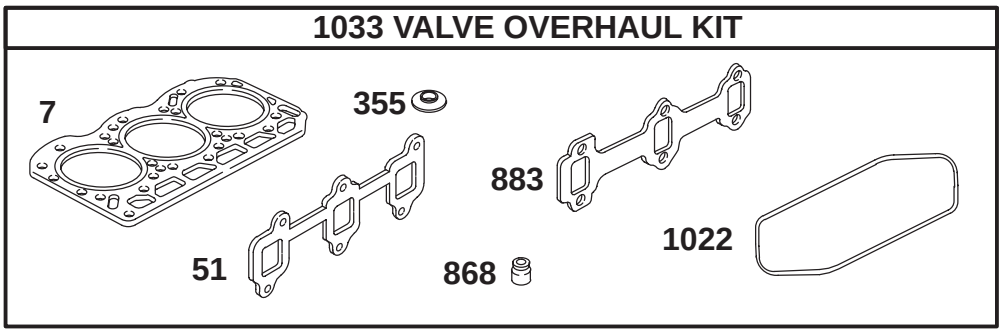
Sheet No.:A3

Alternator Assembly No. 99-9209

Ref. No.	Part No.	Qty.	Description
14-1	100-5317	1	Bearing
16	100-5315	1	Collar
2-4	100-5316	1	Bearing
5	100-5318	1	Brush Holder ASM

Ref. No.	Part No.	Qty.	Description





Sheet No.:14

Gasket and Valve Overhaul Kit Assembly

Ref. No.	Part No.	Qty.	Description
03	99-9003	1	Seal-Oil
07	99-9612	1	Gasket-Head, Cylinder
1022	99-9073	1	Gasket-Cover , Rocker
1033	99-9668	1	Valve Overhaul Kit
1062	99-9163	1	Gasket-Outlet
1065	99-9166	1	Gasket-Housing, Inlet
1067	99-9168	1	Gasket-Pump, Water
1070	99-9120	1	Gasket-Strainer , Oil
1078	99-9121	1	Gasket-Pan, Oil
1080	99-9021	1	Gasket-Retainer
20	99-9126	1	Seal-Oil
355	99-9063	1	Washer-Seal
355A	99-9645	1	Washer-Seal
358	99-9667	1	Gasket-Set
51	99-9662	1	Gasket-Intake
868	99-9643	6	Seal-V alve
88	99-9653	1	Gasket-Cover , Gear
883	99-9178	1	Gasket-Exhaust
883A	99-9179	1	Gasket-Exhaust
88A	99-9136	1	Gasket-Cover , Gear

Ref. No.	Part No.	Qty.	Description

Maintenance Record

Date								


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