Form Number 3329-330

Greensmaster® 3250-D
Traction Unit

Model No. 04383 - 230001501 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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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

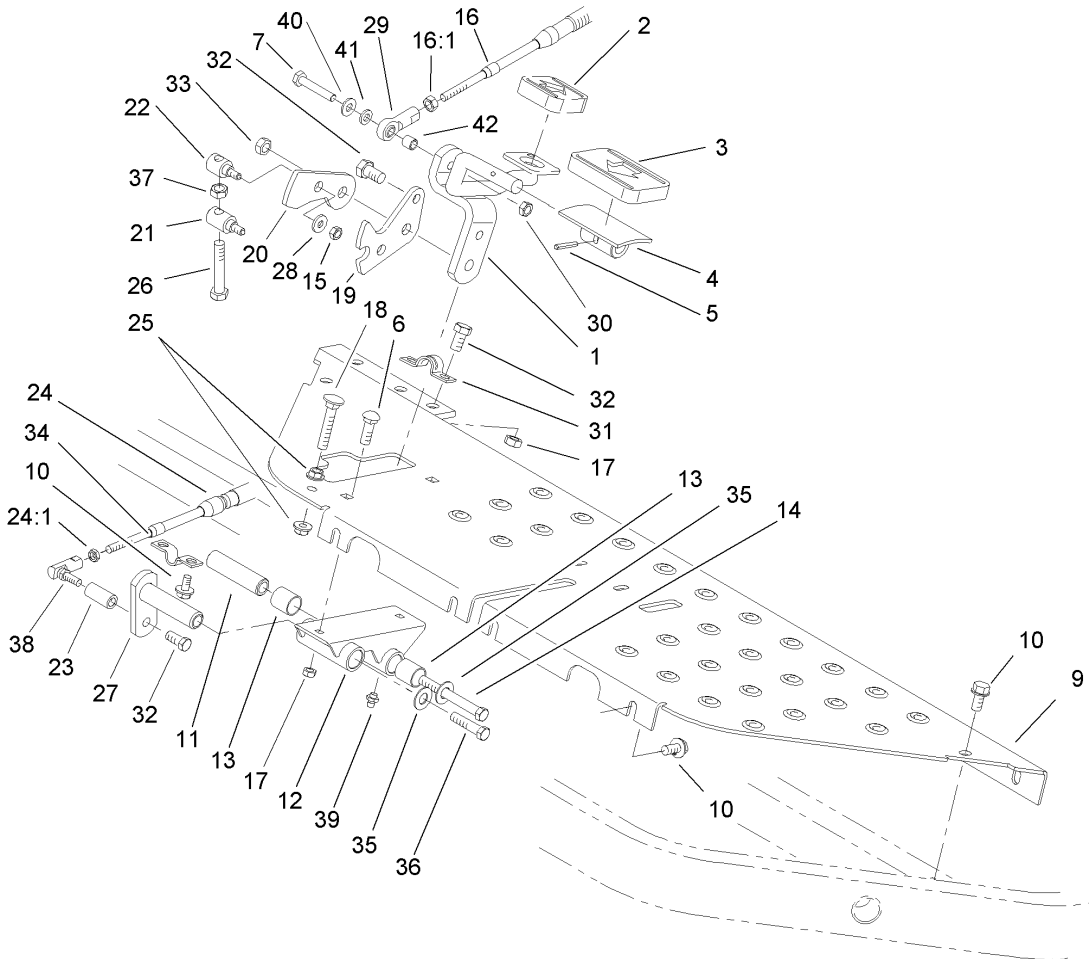
AR. . . . . as required
ASM. . . . . assembly
CARR. . . . . carriage
DEG. . . . . degrees
FH. . . . . flat head
GA. . . . . gauge
HF. . . . . hex flange
HH. . . . . hex head
HHF. . . . . hex head flange
HHFTF. . . . . hex head flange thread forming
HJ. . . . . hex jam
HLH. . . . . hex lag head
HOC. . . . . height-of-cut
HS. . . . . hex
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
SHWH. . . . . slotted hex washer head
SPH. . . . . slotted pan head
SQH. . . . . square head
SRH. . . . . slotted round head
STD. . . . . standard
TAP. . . . . self tapping
TTH. . . . . torx truss head
WH. . . . . wing head

Footnotes

❶ Not illustrated
❷ Not serviced separately
❸ Refer To Repair Manual MS 1055 For Assembly and/or Torque Requirements.
❹ Included in Gasket Set-Part Number 99-9667

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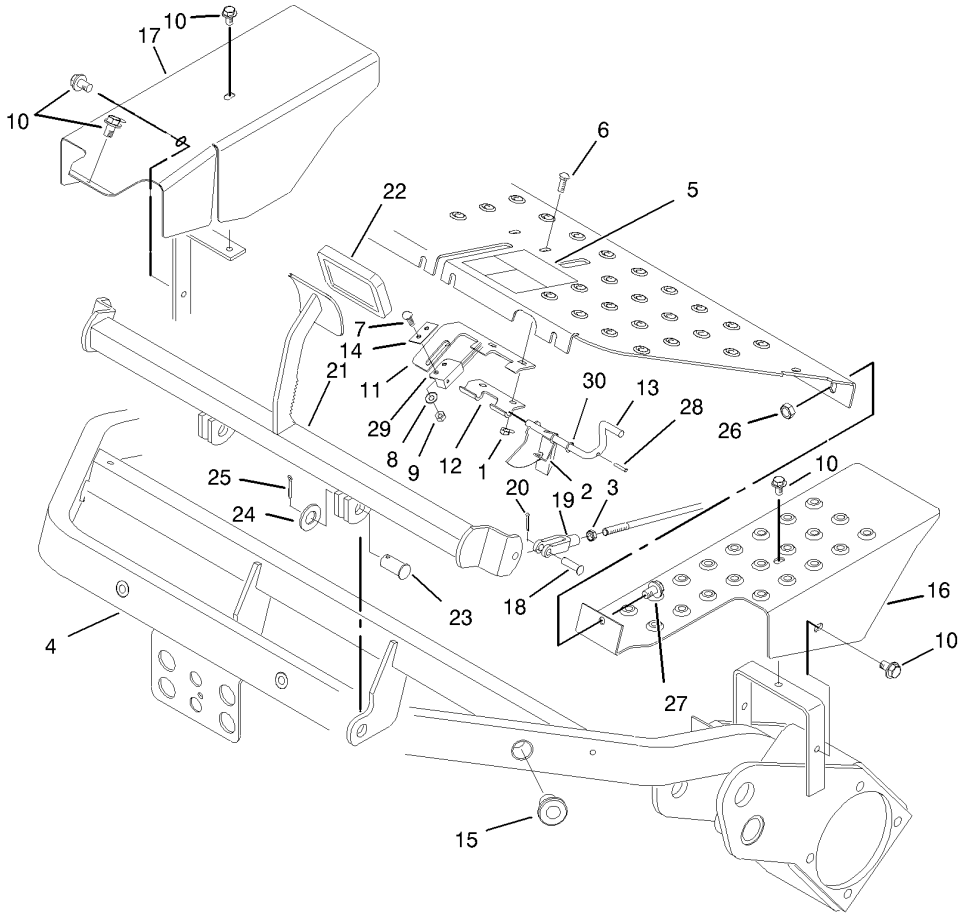
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Traction Control Assembly

Ref	Part No.	Qty.	Description
1	93-2085-01	1	Rod
2	74-9110	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	Screw-HWH
11	94-1371	1	Spacer
12	94-1383	1	Pedal-Pivot
13	256-311	4	Bushing-Split
14	33115-090	1	Screw-HH
15	33023-00	2	Nut-Lock
16	107-2550	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
24	94-1304	1	Cable-Lock, Neutral

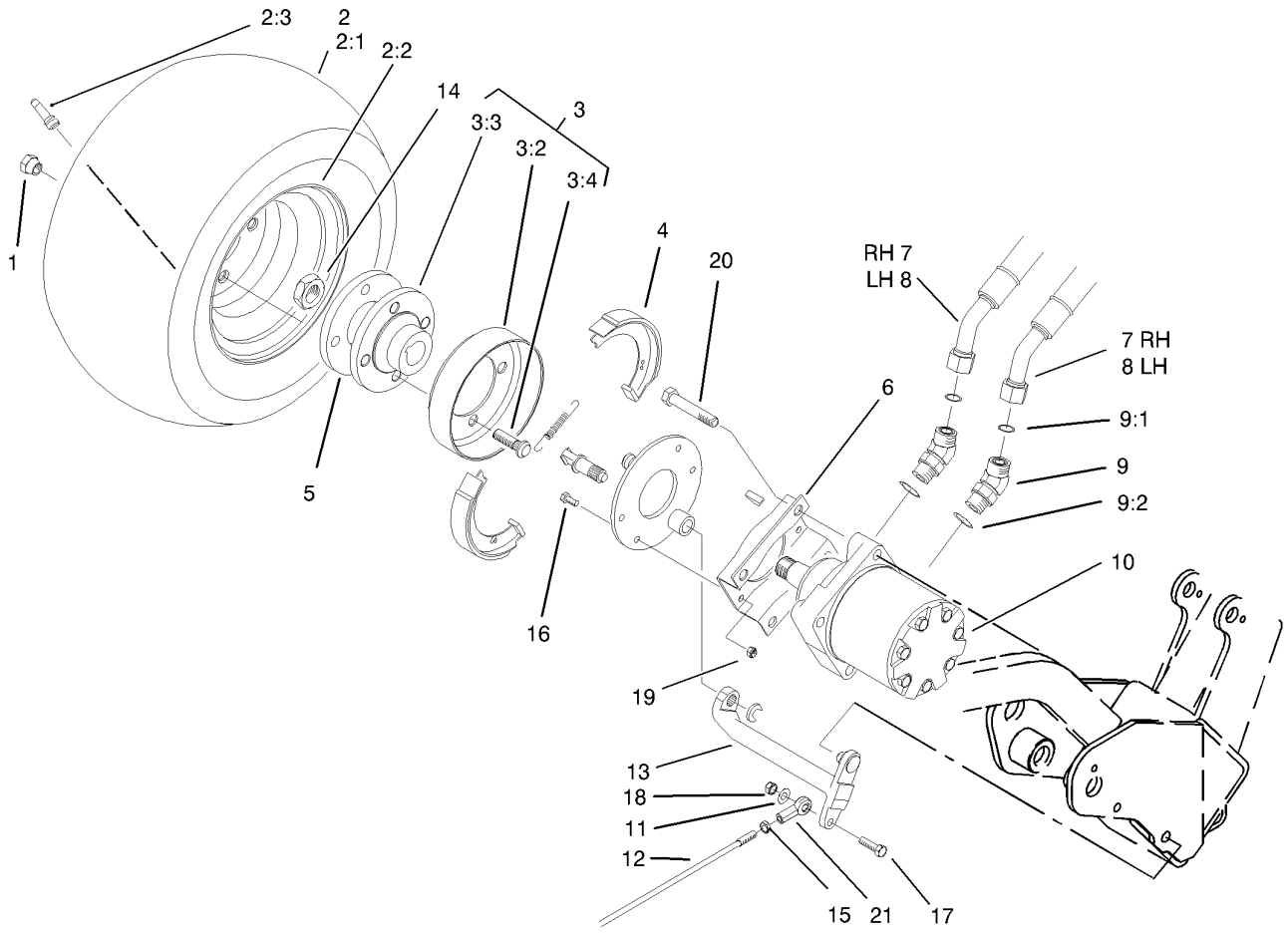
Ref	Part No.	Qty.	Description
24:1	3219-14	2	Nut-Hex
25	32128-20	2	Nut-HF
26	94-3489	1	Capscrew-HH
27	94-1300	1	Lock-Neutral
28	3256-1	2	Washer-Flat
29	2411-41	1	Joint-Ball
30	3296-56	1	Nut-Lock, NI
31	93-2092	1	Clamp-Cable
32	33114-016	4	Screw-HH
33	33025-00	1	Nut-Lock
34	93-2279	1	Clamp-Cable
35	3256-24	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



Brake Pedal Assembly

Ref	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	Screw-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

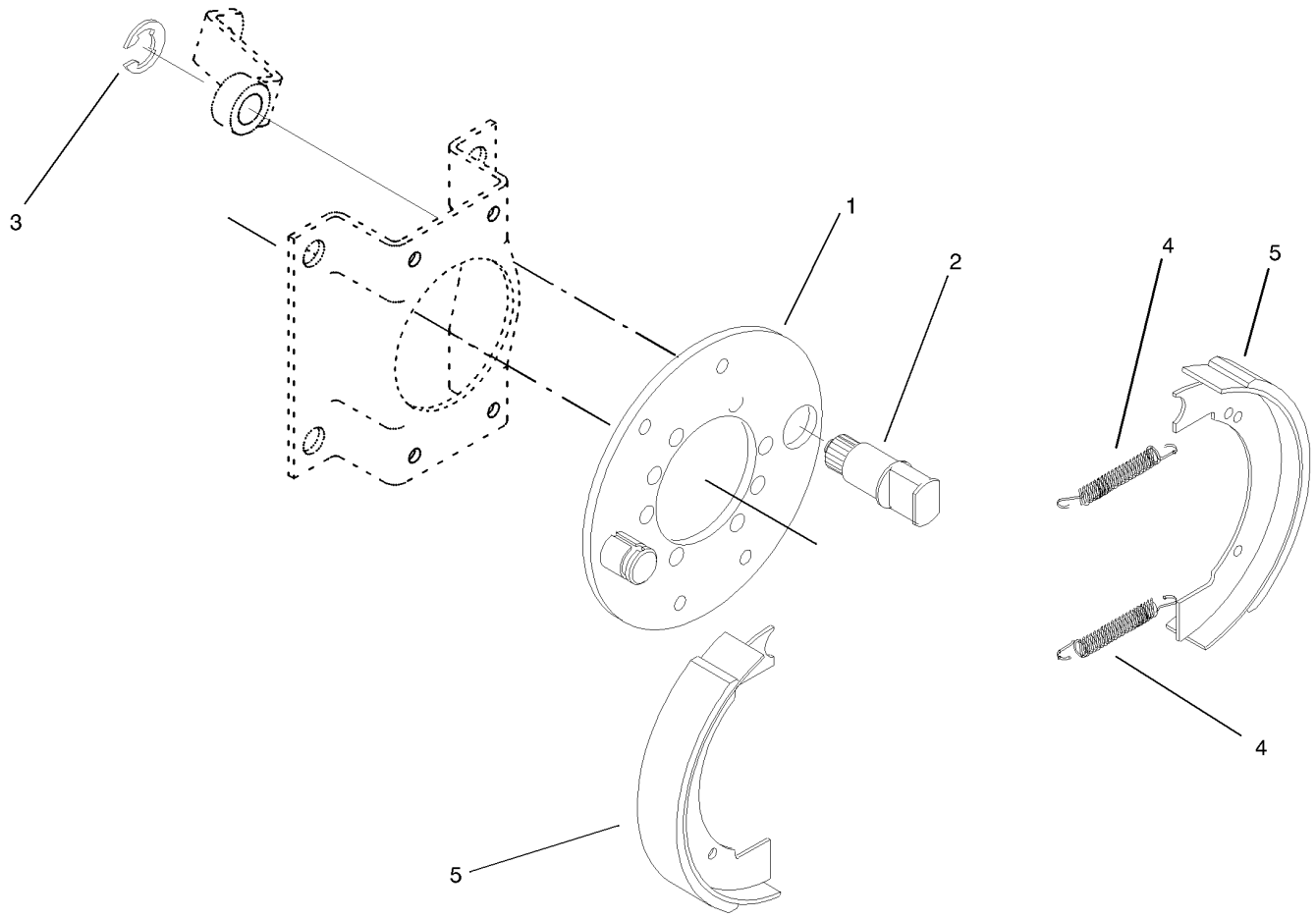
Ref	Part No.	Qty.	Description
25	3272-11	2	Pin-Cotter
26	33024-00	1	Nut-Lock
27	33114-020	1	Screw-HH
28	32121-50	1	Pin-Spring
29	104-2057	1	Sensor
30	75-5470	1	Spacer-Bearing



Front Wheel and Brake Assembly

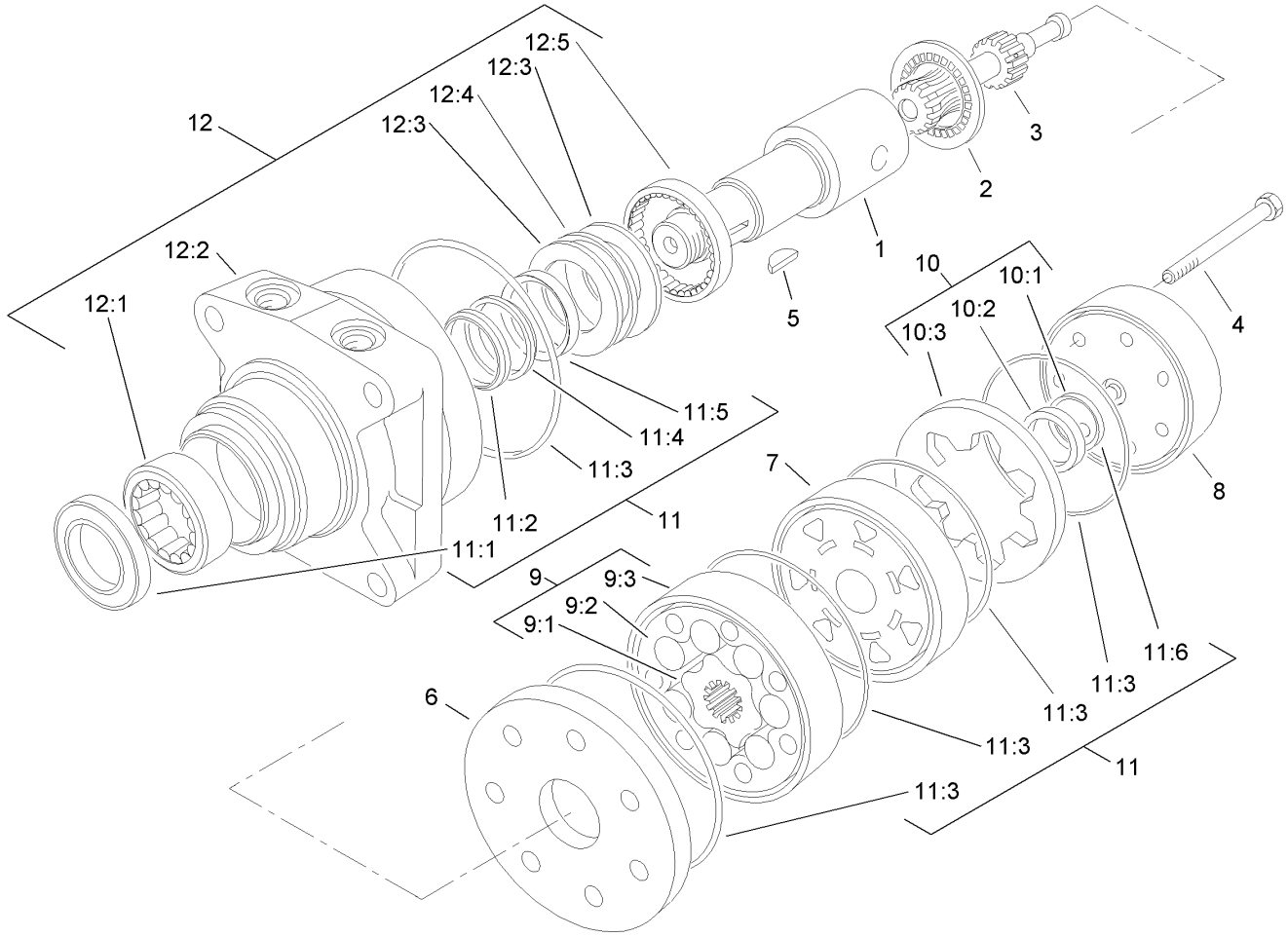
Ref	Part No.	Qty.	Description
1	242-50	8	Nut-Lug
❷2		2	Wheel And Tire ASM
2:1	70-8500	1	Tire
2:2	94-6116	1	Wheel-Rear
2:3	232-27	1	Stem-Valve
3	10-6821	2	Brake Drum ASM
3:2	10-6850	1	Drum-Brake
3:3	10-6870-03	1	Hub-Wheel
3:4	85-6540	4	Stud-Drive
4	104-7705	2	Brake ASM
5	92-9154-03	2	Plate-Bearing
6	84-2000-03	2	Bracket-Brake
7	94-5357	2	Hose ASM
8	94-5358	2	Hose ASM
9	340-14	4	Fitting-Hyd, 45 DEG
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

Ref	Part No.	Qty.	Description
17	33114-030	2	Screw-HH
18	33024-00	2	Nut-Lock
19	33023-00	8	Nut-Lock
20	33116-060	8	Screw-HH
21	93-2070	2	Clevis-Swivel



Brake Assembly No. 104-7705

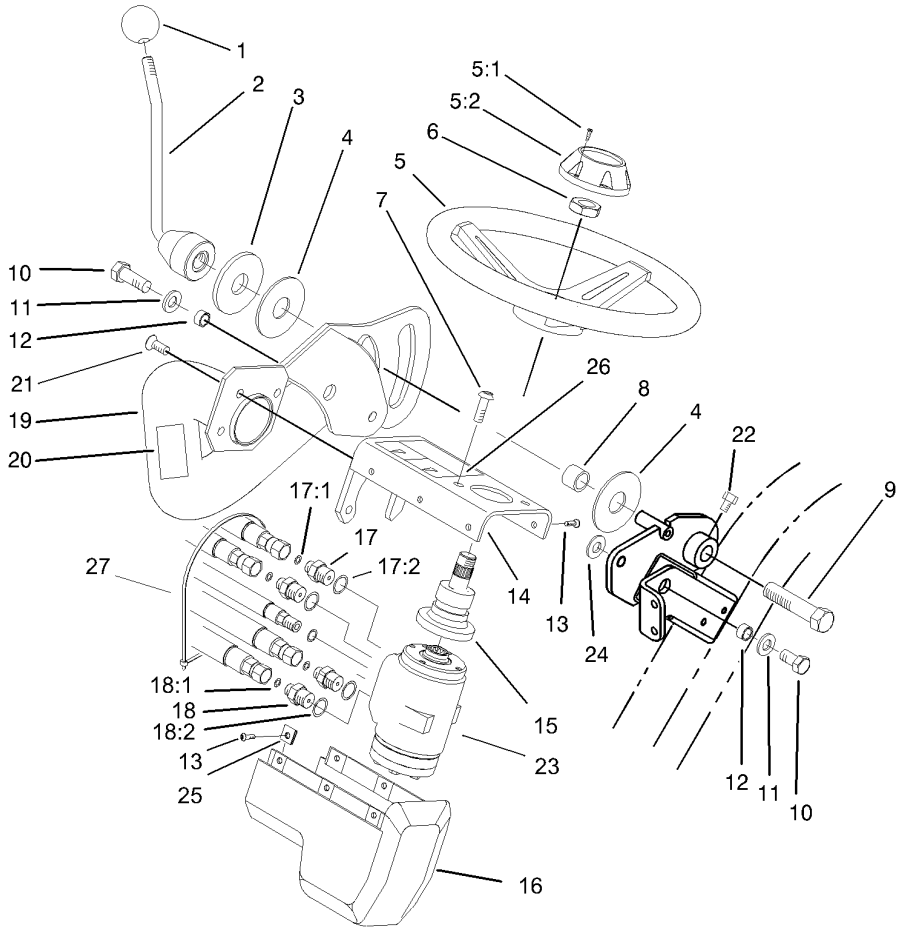
Ref	Part No.	Qty.	Description
1	70-9870	1	Plate-Backing
2	104-7707	1	Shaft-Cam, Brake
3	104-7706	1	E Ring-Bowed
4	70-9880	2	Spring-Return
5	70-9840	2	Shoe-Brake



Hydraulic Motor Assembly No. 92-9199

Ref	Part No.	Qty.	Description
1	76-0860	1	Shaft-Coupling
2	76-0850	1	Bearing-Thrust
3	92-9761	1	Link-Drive
4	92-9762	7	Screw-HH
5	3257-42	1	Key-Woodruff
6	76-0870	1	Plate-Wear
7	76-0840	1	Manifold
8	76-0940	1	End Cover ASM
9	92-9763	1	Rotor Set
❷9:1		1	Rotor
❷9:2		1	Vane
❷9:3		1	Stator
10	76-0880	1	Commutator ASM
❷10:1		1	Seal-Commutator
❷10:2		1	Commutator
❷10:3		1	Ring-Commutator
11	94-8178	1	Seal Kit
❷11:1		1	Seal-Dirt & Water
❷11:2		1	Washer-Backup
❷11:3		5	Seal-Ring
❷11:4		1	Washer-Backup
❷11:5		1	Seal-Inner
❷11:6		1	Seal-Commutator
12	76-0810	1	Housing ASM

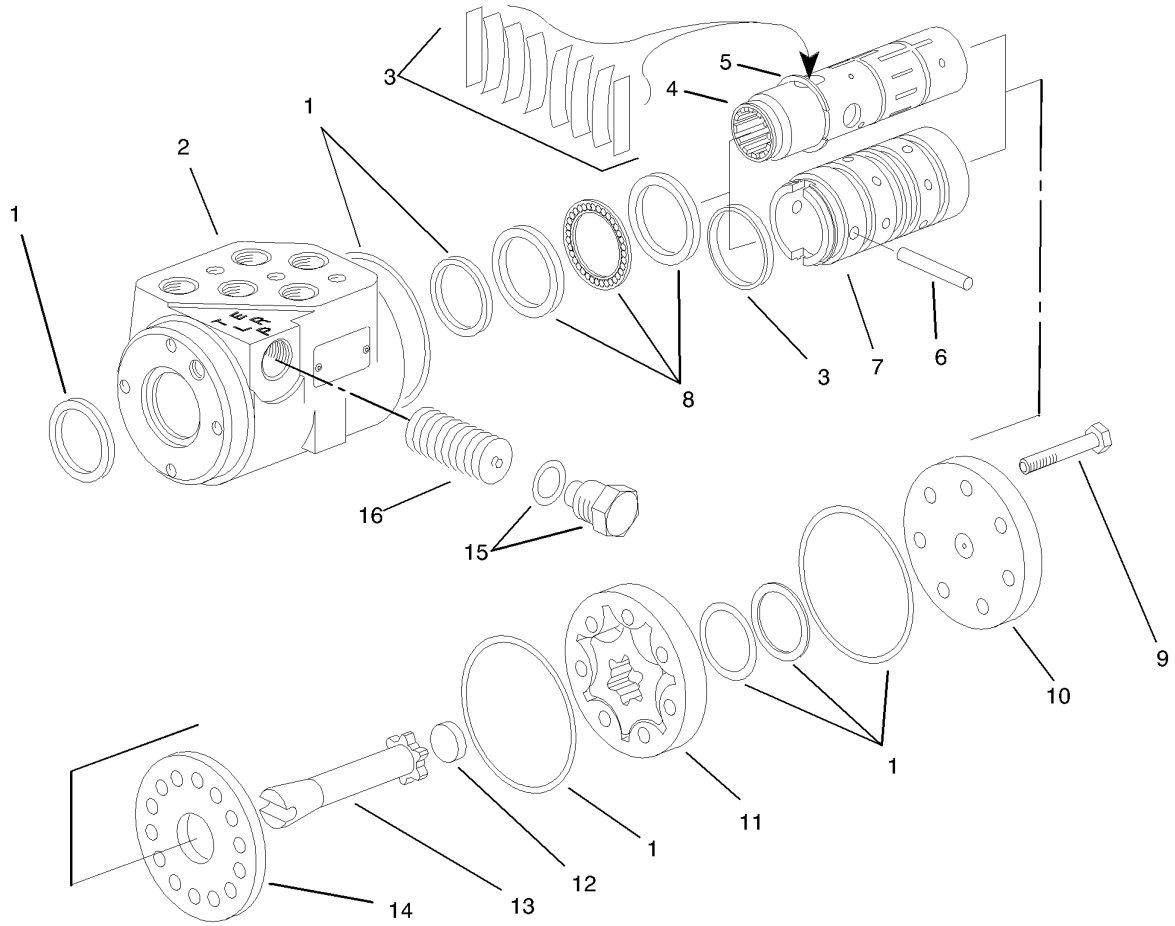
Ref	Part No.	Qty.	Description
❷12:1		1	Bearing
❷12:2		1	Housing
❷12:3		2	Washer-Thrust
❷12:4		1	Bearing-Thrust
❷12:5		1	Bearing



Steering Arm Assembly

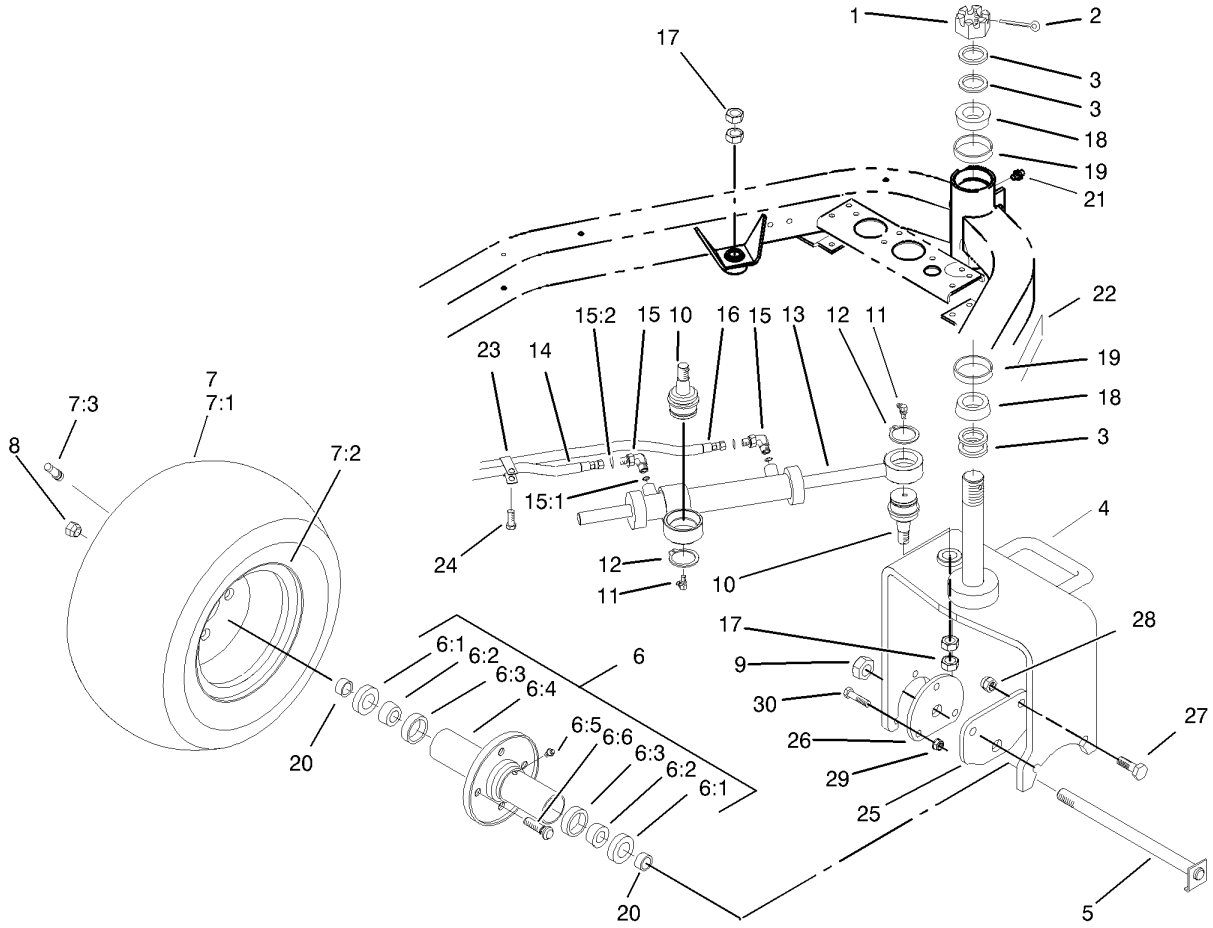
Ref	Part No.	Qty.	Description
1	233-48	1	Knob
2	93-2400-03	1	Handle-Lockup
3	83-0760	1	Spacer-Plate, Lockup
4	83-0740	2	Disc-Friction
5	75-0560	1	Wheel-Steering
5:1	32144-21	1	Screw
5:2	68-5140	1	Cap-Wheel, Steering
6	94-9952	1	Nut-Hex
7	33103-016	4	Screw-HHF
8	83-0730	1	Spacer-Lockup
9	93-2199	1	Screw-Hh, 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

Ref	Part No.	Qty.	Description
19	93-2115-01	1	Arm-Steering
20	93-8068	1	Decal-Arm, Steering
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-Warning
27	3290-379	1	Tie-Cable



Steering Control Valve Assembly No. 105-0424

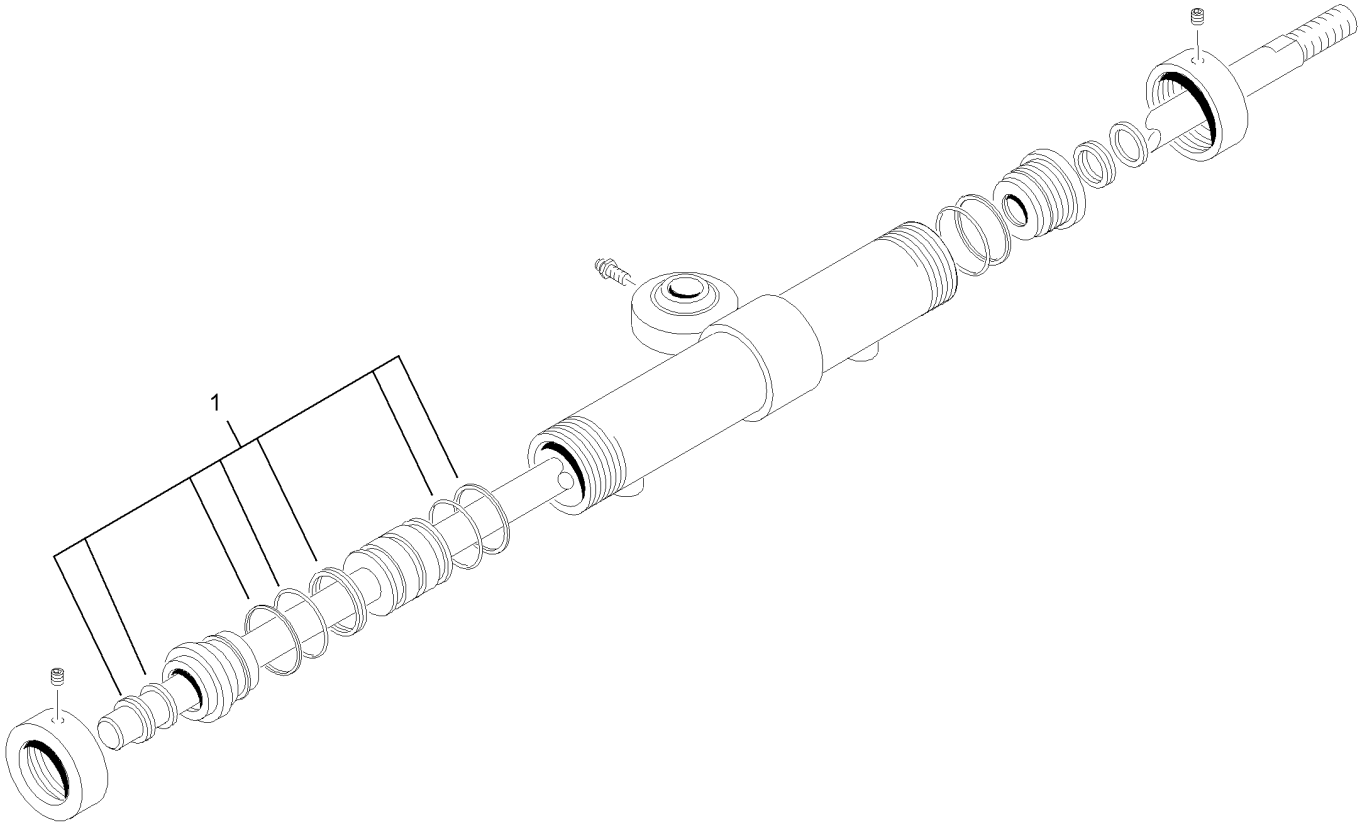
Ref	Part No.	Qty.	Description
1	94-4099	1	Seal Kit
❷2		1	Housing
3	94-4095	1	Centering Spring Kit
❷4		1	Spool
5	94-4098	1	Ring-Retaining
6	94-4094	1	Pin
❷7		1	Sleeve
8	92-3839	1	Bearing Kit
9	105-2938	7	Screw-Cap
10	94-4089	1	Cap-End
11	105-2939	1	Gerotor ASM
12	105-2940	1	Spacer
13	94-4093	1	Drive
14	94-4092	1	Plate-Wear
15	99-5511	1	Plug ASM
16	99-5500	1	Valve-Relief



Rear Wheel Assembly

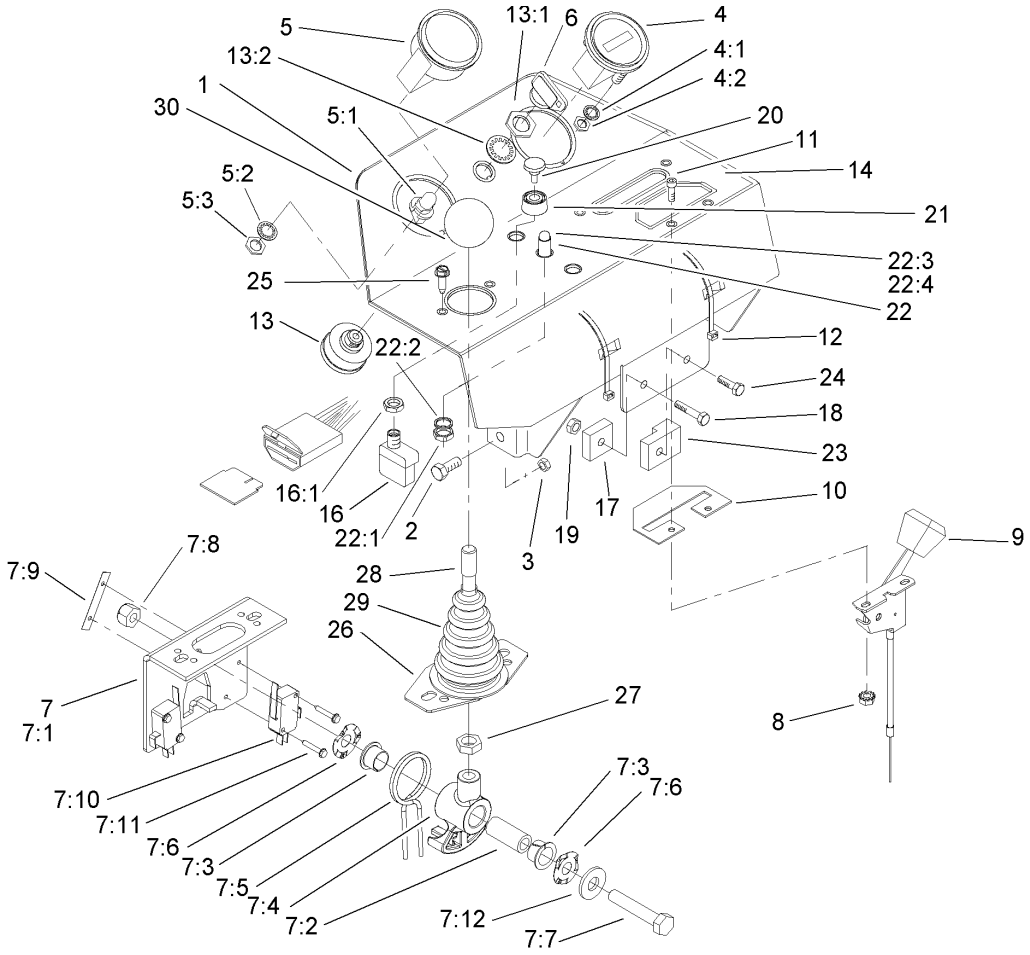
Ref	Part No.	Qty.	Description
1	32136-9	1	Nut-SHH
2	3272-37	1	Pin-Cotter
3	18-6320	4	Washer-Steering
4	99-1492-01	1	Castor Fork ASM
5	70-8370	1	Bolt
6	72-9710	1	Hub-Tire, Sulky
6:1	253-111	2	Seal-Oil
6:2	254-78	2	Bearing-Cone
6:3	254-79	2	Bearing-Roller, Cup
6:4	75-9440	1	Hub ASM
6:5	302-55	1	Fitting-Grease
6:6	10-6830	4	Stud-Type, Drive
❷7		1	Wheel And Tire ASM
7:1	70-8500	1	Tire
7:2	94-6116	1	Wheel-Rear
7:3	232-27	1	Stem-Valve
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 DEG

Ref	Part No.	Qty.	Description
15:1	237-78	1	O-Ring
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	Screw-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



Steering Cylinder Assembly No. 93-2122

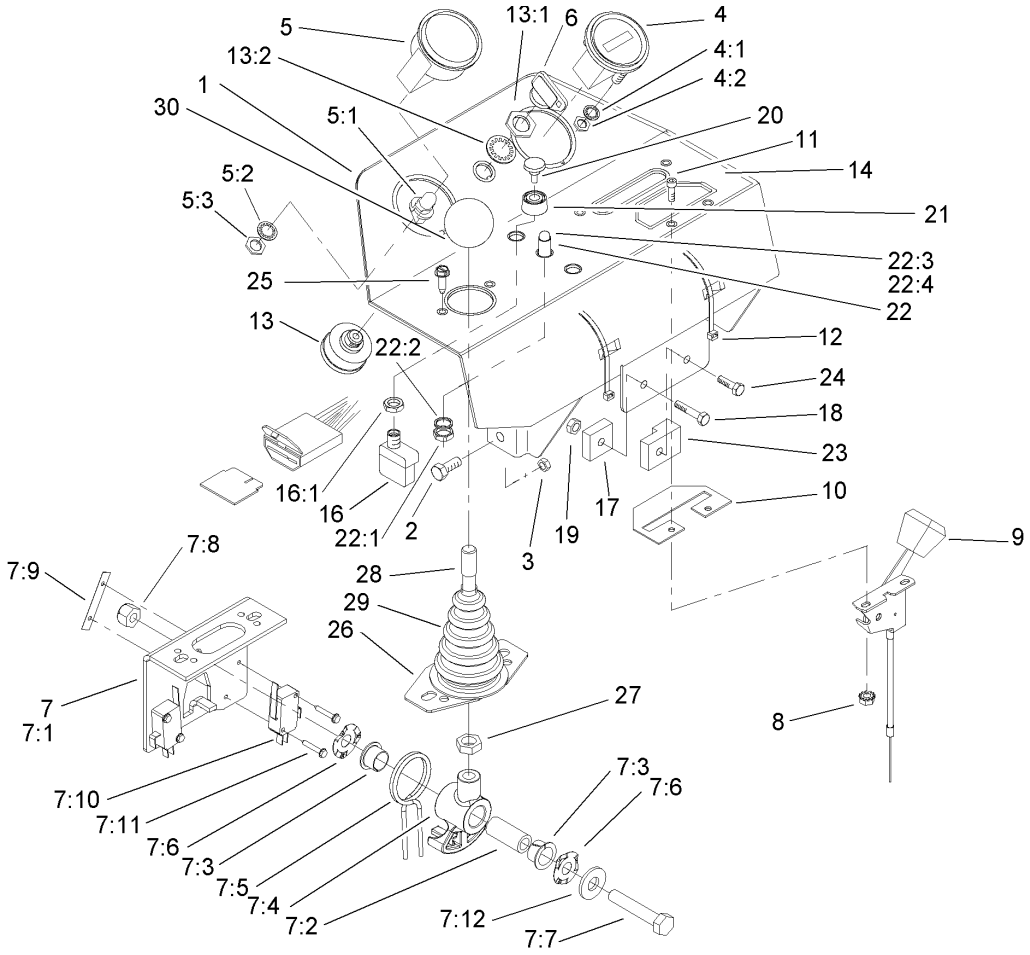
Ref	Part No.	Qty.	Description
1	94-4398	1	Seal Repair Kit



Console Assembly

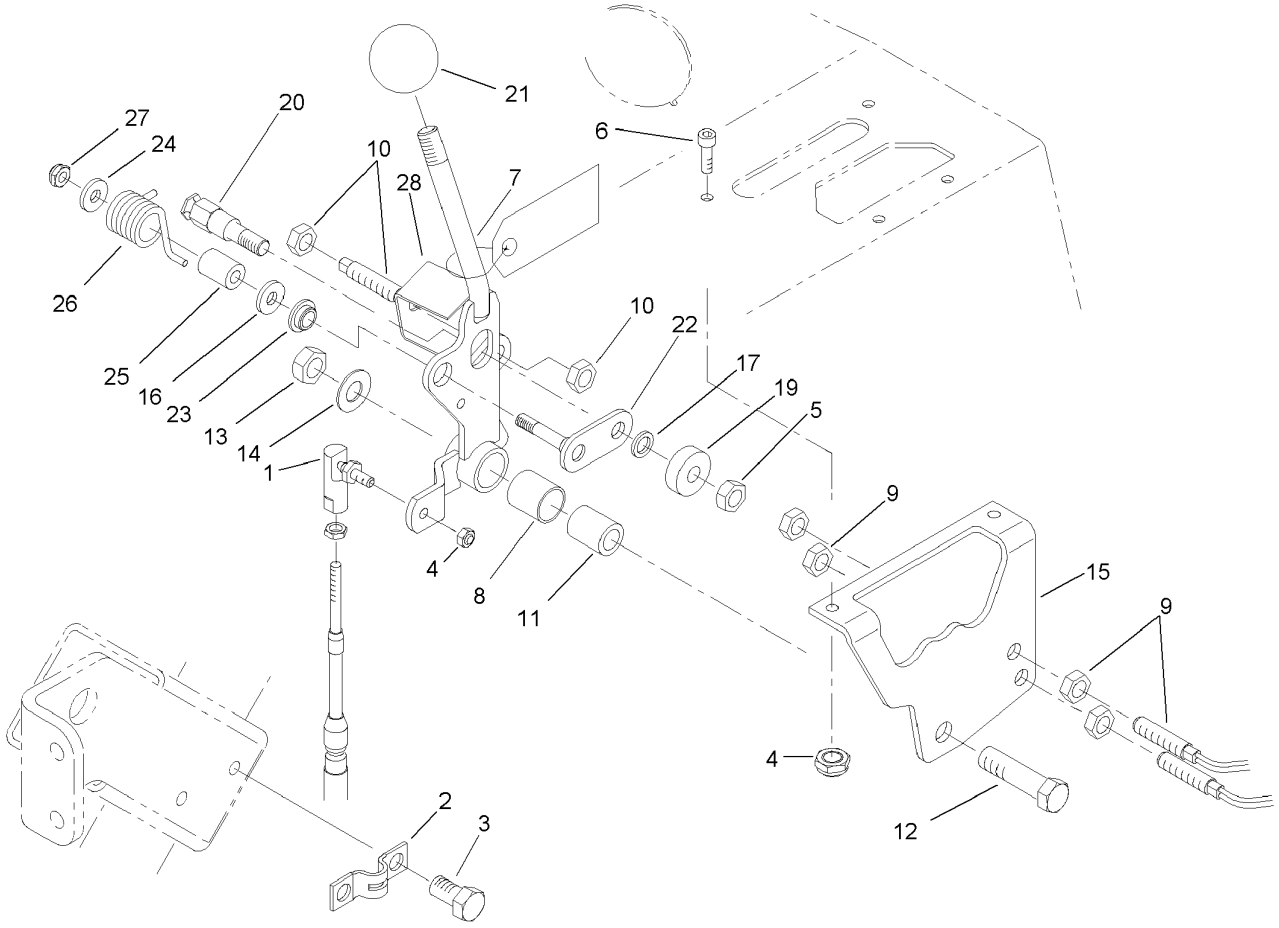
Ref	Part No.	Qty.	Description
1	100-3185-03	1	Console ASM
2	33114-020	4	Screw-HH
3	33024-00	4	Nut-Lock
4	66-2950	1	Gauge-Hourmeter
4:1	3255-20	2	Washer-Lock
4:2	3217-25	2	Nut-Hex
5	93-7053	1	Cluster-Lamp, Warning
5:1	219-17	4	Bulb
5:2	3254-1	1	Washer-Lock, Int
5:3	3217-26	1	Nut-Hex
6	63-8360	1	Key-Ignition
❷7		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

Ref	Part No.	Qty.	Description
8	32149-8	2	Nut-Keps
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
❷22:3		1	Bulb
22:4	218-562	1	Lens
23	99-9666	1	Module
24	33113-020	1	Screw-HH
25	32144-19	2	Screw-SHWH



Console Assembly (continued)

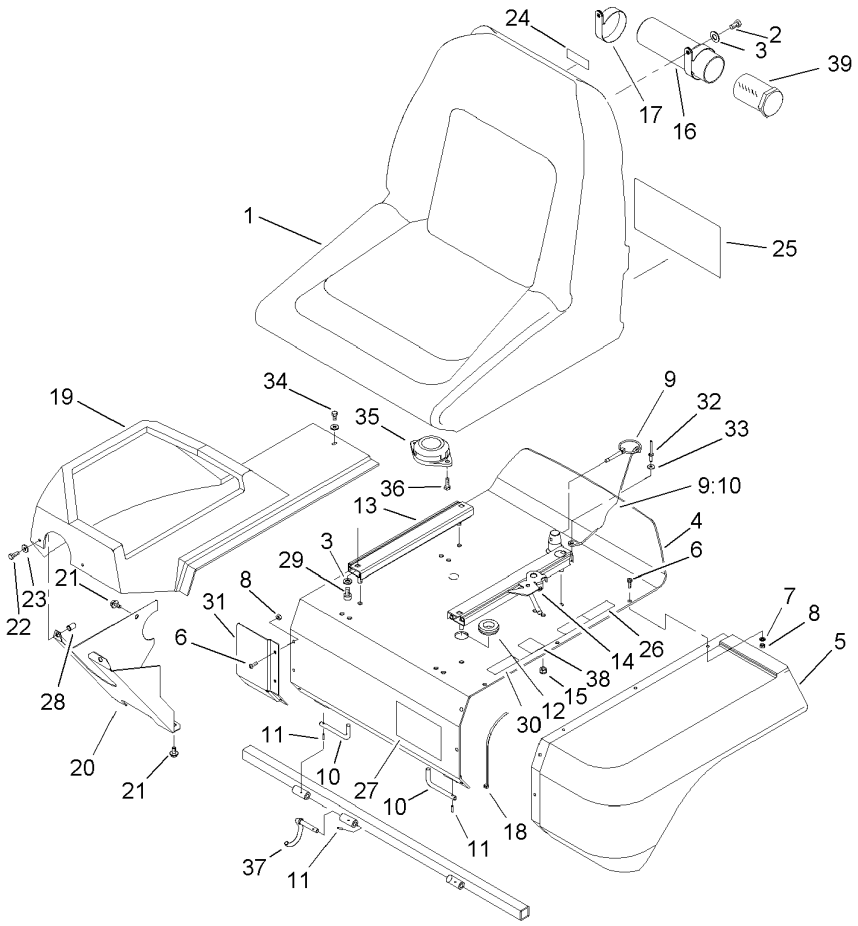
Ref	Part No.	Qty.	Description
26	106-4188-03	1	Plate-Boot
27	3218-3	1	Nut-Jam
28	105-8288	1	Rod-Joystick
29	93-5961	1	Boot-Lever
30	233-42	1	Knob



Functional Control Lever Assembly

Ref	Part No.	Qty.	Description
1	2411-38	1	Joint-Ball
2	93-2279	1	Clamp-Cable
3	32144-14	2	Screw-HWH
4	3296-27	2	Nut-Lock NI
5	33024-00	1	Nut-Lock
6	3273-26	2	Screw-HSH
7	94-9611	1	Handle
8	256-311	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-Traction
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

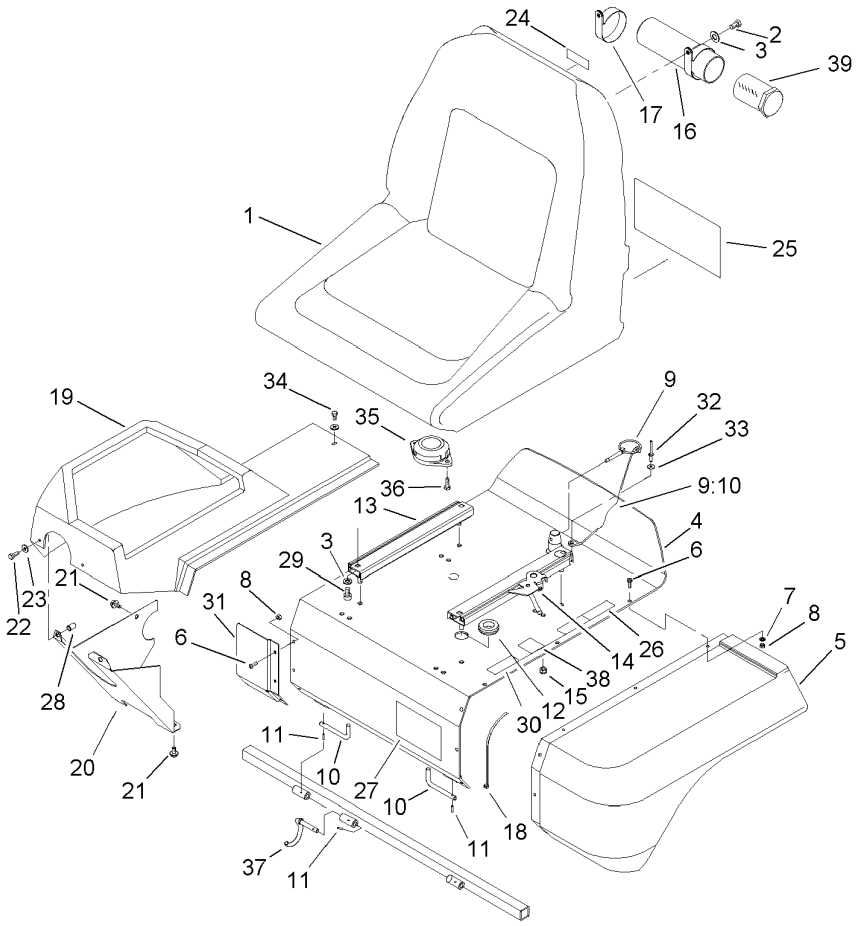
Ref	Part No.	Qty.	Description
26	94-9620	1	Spring-Torsion
27	33023-00	1	Nut-Lock
28	106-6356	1	Shield-Switch



Seat Assembly

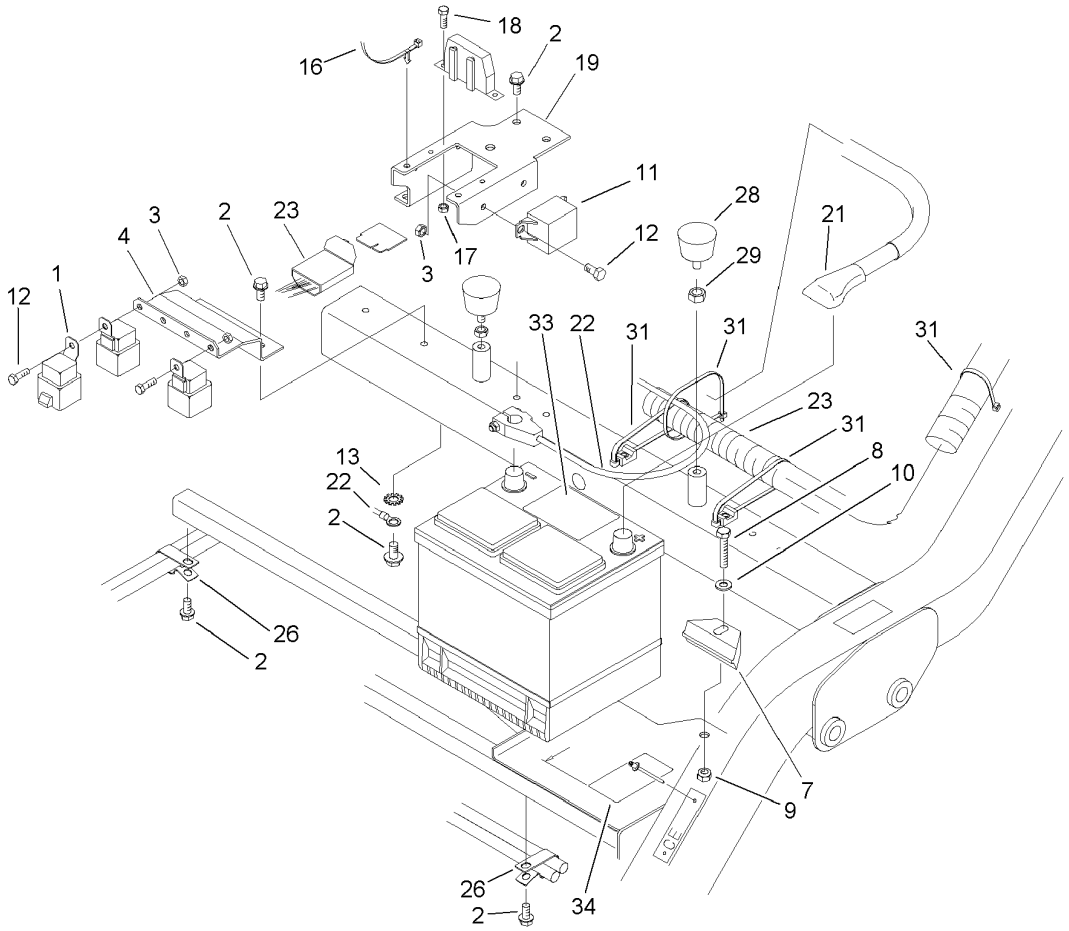
Ref	Part No.	Qty.	Description
1	100-3187	1	Seat ASM
2	322-2	2	Screw-HH
3	3256-23	6	Washer-Flat
4	93-2135-03	1	Support-Seat
5	93-2128	1	Panel-Base, Seat
6	3274-39	9	Screw-HSBH
7	3256-77	6	Washer-Flat
8	3296-12	9	Nut-Lock
9	77-3780	1	Pin ASM
9:10	28-8070	1	Lanyard
10	93-2422	2	Rod-Pivot, Seat
11	32121-7	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	Screw-HWH
22	33113-016	2	Screw-HH
23	3256-1	3	Washer-Flat

Ref	Part No.	Qty.	Description
24	93-6686	1	Decal-Oil, HYD
25	106-6381	1	Decal-Service, French
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
33	3256-49	1	Washer-Flat
34	33113-012	1	Screw-HH
35	92-6282	1	Switch-Seat
36	32144-10	2	Screw-HWH



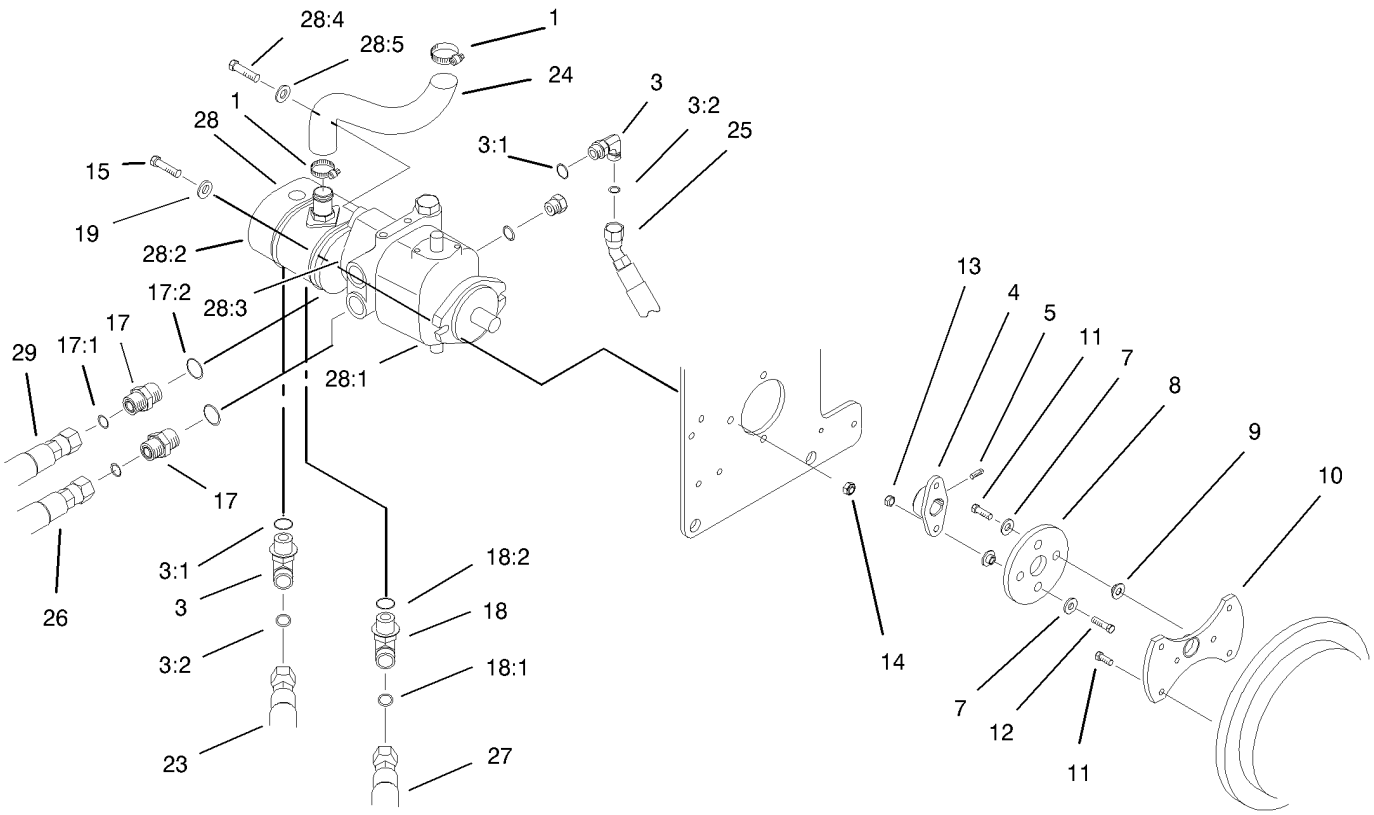
Seat Assembly (continued)

Ref	Part No.	Qty.	Description
37	99-4247	1	Wire-Hook
38	105-4674	1	Decal-Noise, Ce
39	104-7048	1	Cap-Housing



Electronics Installation Assembly

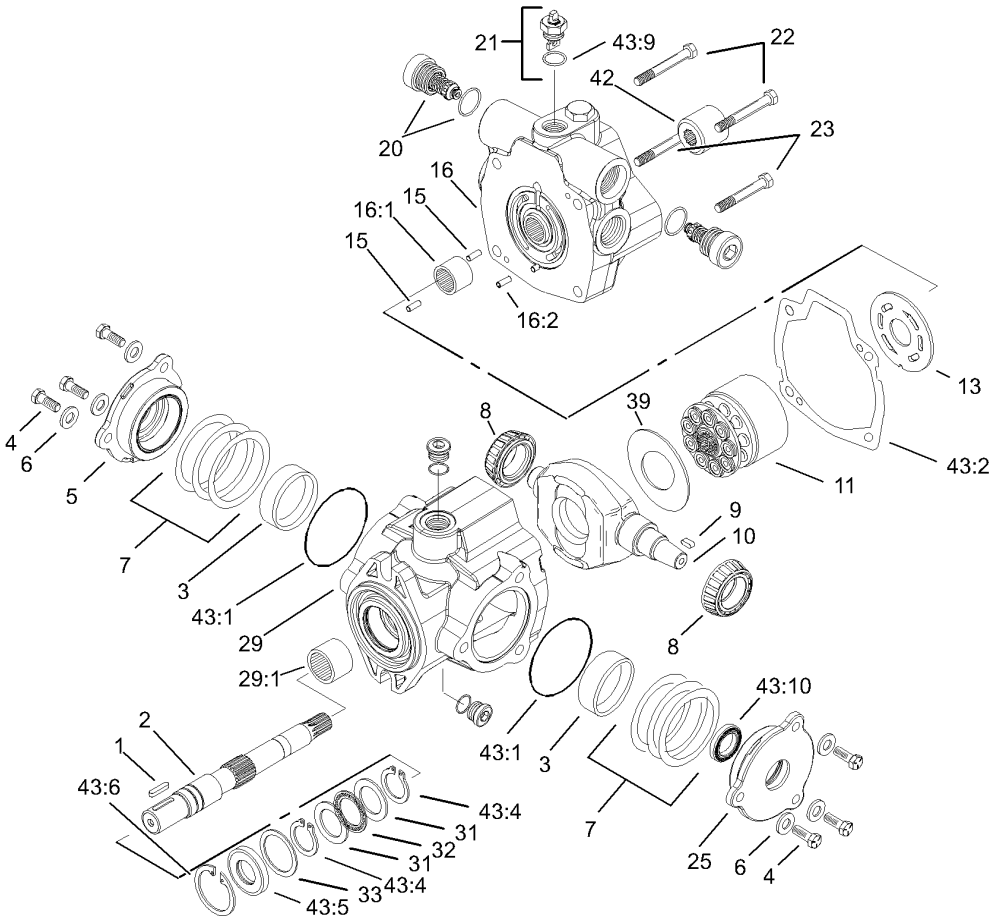
Ref	Part No.	Qty.	Description
1	70-1480	8	Relay
2	32144-11	7	Screw-TAP
3	33023-00	6	Nut-Lock
4	93-2169-01	1	Bracket-Relay
7	66-2490	1	Retainer-Battery
8	33115-040	1	Screw-HH
9	33025-00	1	Nut-Lock
10	3256-24	1	Washer-Flat
11	66-8800	1	Relay
12	33113-016	6	Screw-HH
13	3254-2	1	Washer-Lock, Int
16	94-1325	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



Hydrostat and Gear Pump Drive Assembly

Ref	Part No.	Qty.	Description
1	2412-34	2	Clamp-Hose
3	340-18	2	Fitting-Hyd, 90 DEG
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 DEG
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

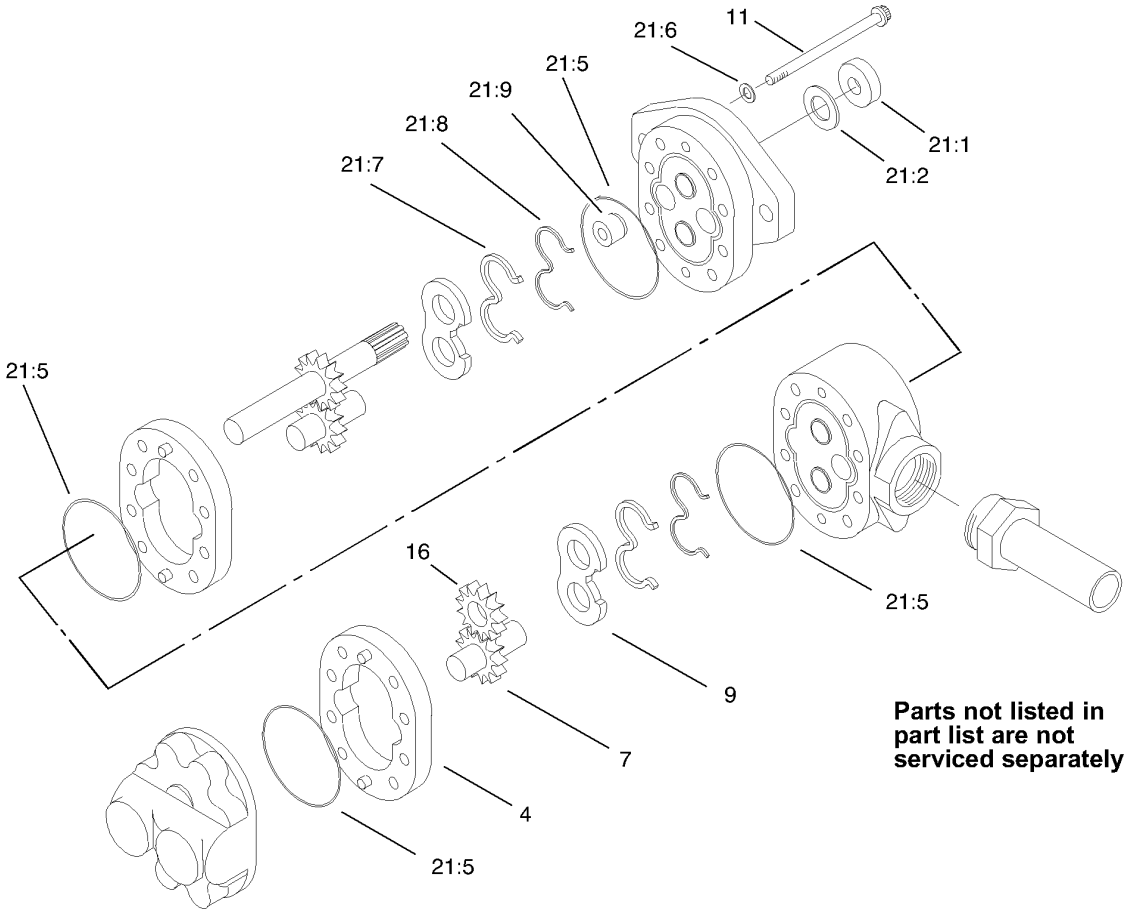
Ref	Part No.	Qty.	Description
25	105-9794	1	Hose ASM
26	99-4220	1	Hose ASM
27	99-4216	1	Hose ASM
❷28		1	Hydrostat/gear Pump ASM
28:1	105-0494	1	Hydrostat ASM
28:2	104-7737	1	Gear Pump ASM
28:3	60-3520	1	O-Ring
28:4	3274-1	2	Screw-HSH
28:5	3256-24	2	Washer-Flat
29	99-4217	1	Hose ASM



Hydrostat Assembly No. 105-0494

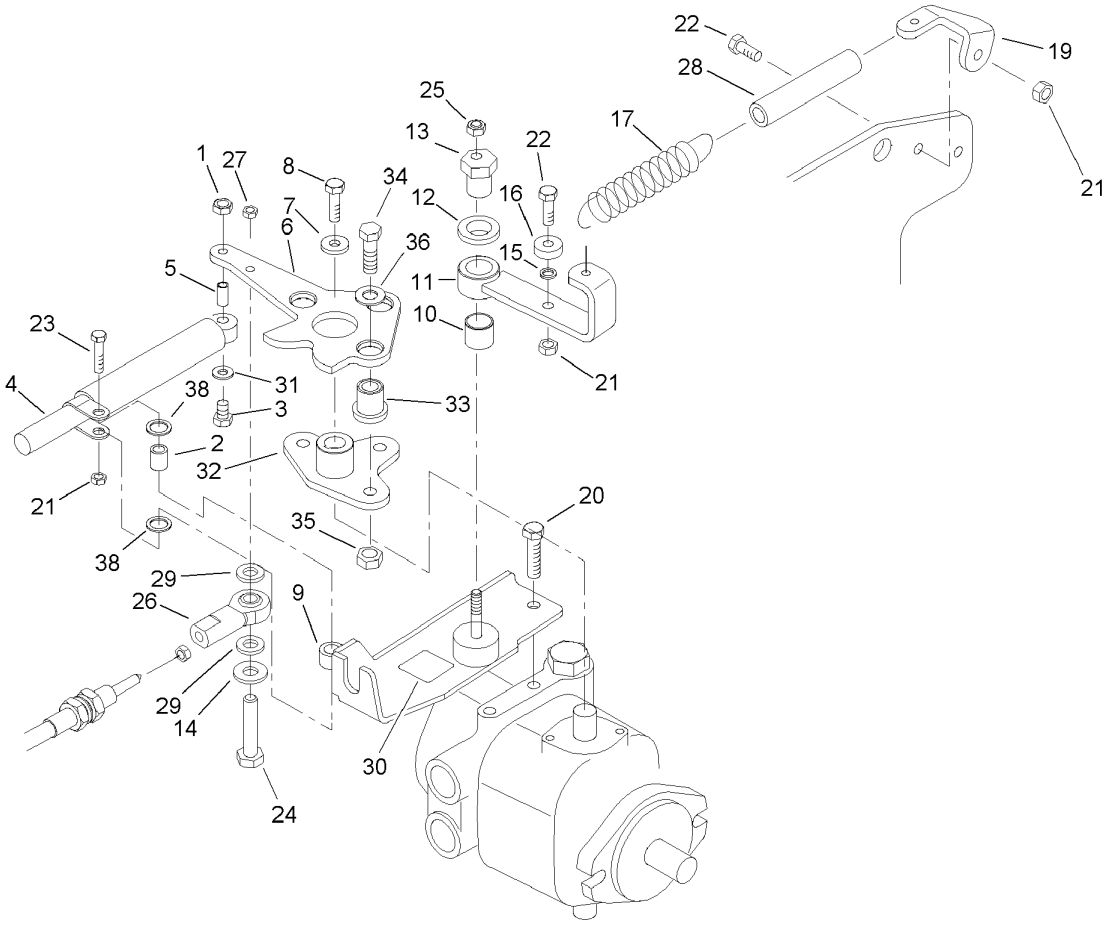
Ref	Part No.	Qty.	Description
1	94-3645	1	Key
2	94-6359	1	Shaft-Drive
3	104-4046	2	Bearing-Cup
4	98-4640	6	Screw-Cap
5	98-4644	1	Plate-Cover
6	105-9762	6	Washer
7	100-3182	2	Shim Kit
8	98-4639	2	Bearing-Cone
9	94-3646	1	Key
10	100-3175	1	Camplate
11	76-6070	1	Rotating Kit
13	100-3180	1	Valve-Plate
15	76-6150	2	Pin-Dowel
16	105-3813	1	Endcover Sub ASM
16:1	94-6368	1	Bearing
❷16:2		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

Ref	Part No.	Qty.	Description
32	252-66	1	Bearing-Thrust
33	33-3720	1	Washer
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
❷43:9		1	O-Ring
❷43:10		1	Seal-Shaft



Gear Pump Assembly No. 104-7737

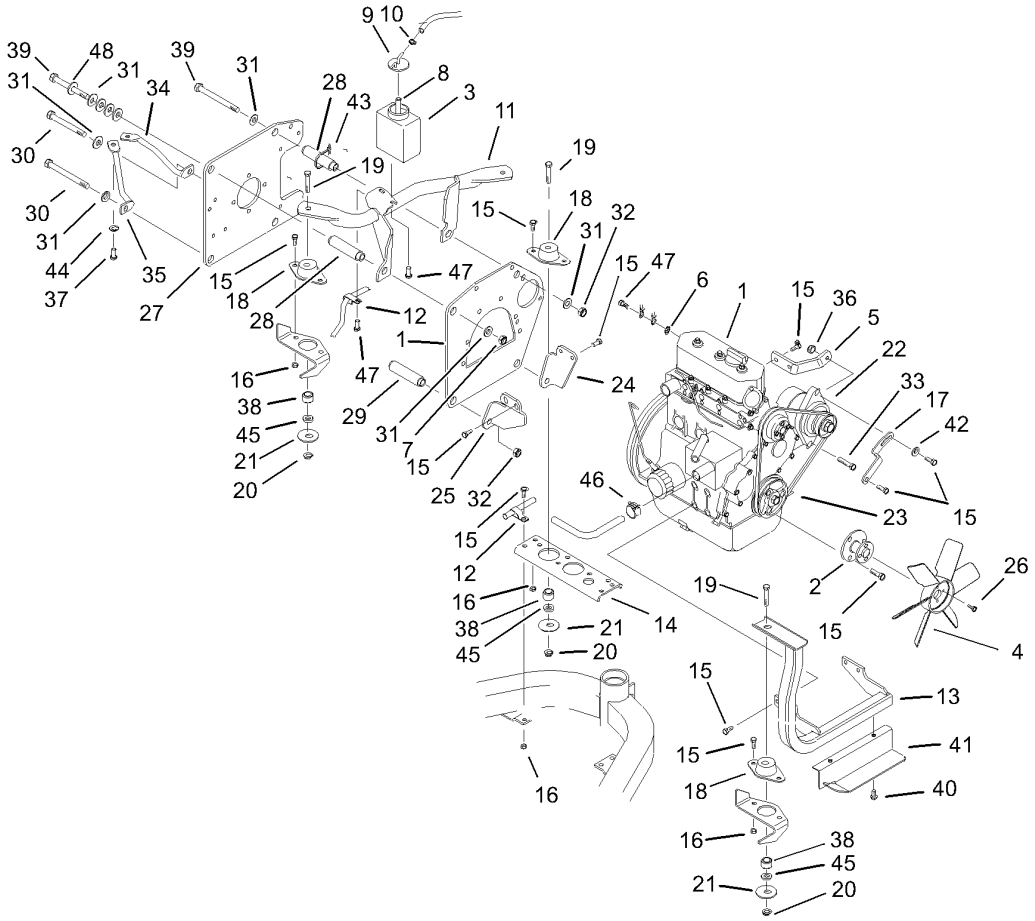
Ref	Part No.	Qty.	Description
4	95-4364	1	Body
7	95-4366	1	Gear-Idler
9	95-4368	2	Plate-Wear
11	94-8158	8	Screw-Cap
16	95-4373	1	Gear-Fit, Slip
21	94-8161	1	Seal Repair Kit
21:1	49-2640	1	Seal-Shaft
21:2	60-5890	1	Washer
❷21:5		4	O-Ring
21:6	94-8160	4	Washer
21:7	95-4369	2	Seal
21:8	95-4367	2	Gasket
21:9	94-3011	1	Plug



Neutral System Assembly

Ref	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	93-2111	1	Stud-Traction
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

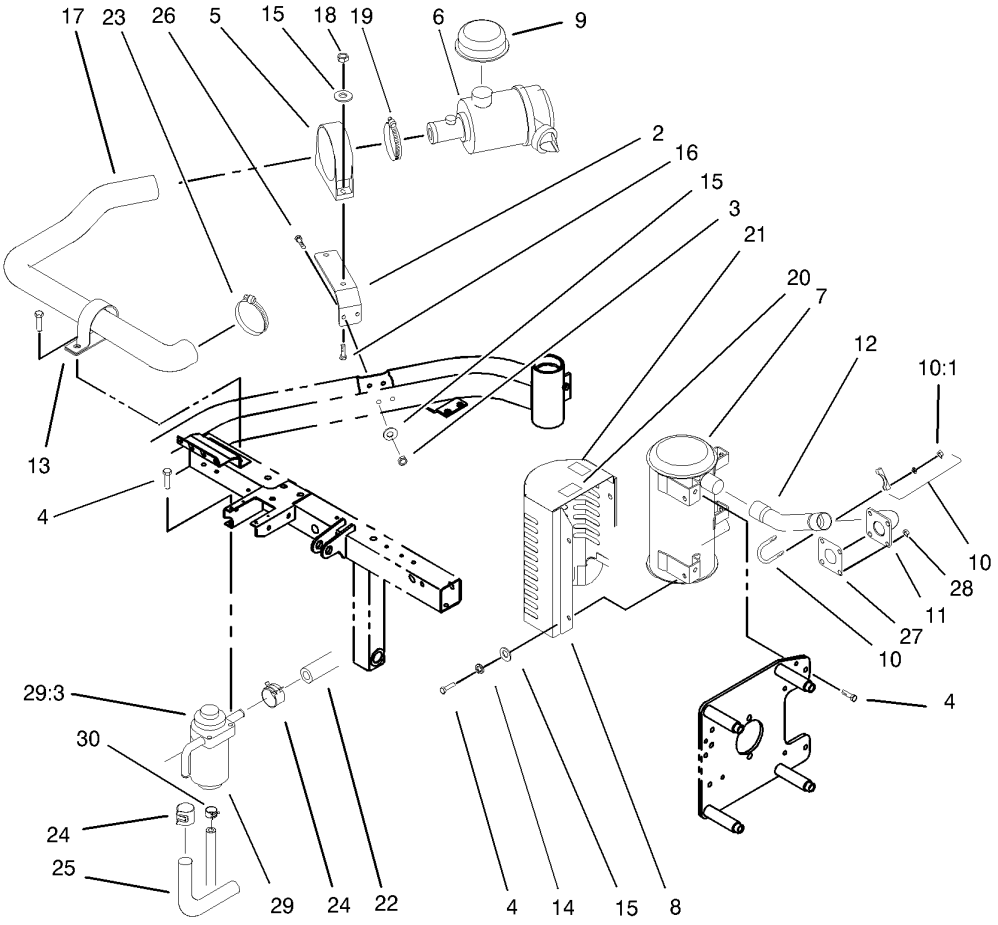
Ref	Part No.	Qty.	Description
26	2411-41	1	Joint-Ball
27	3296-42	1	Nut-Lock, NI
28	99-4251	1	Hose-Dampener
29	33093-00	2	Washer-Flat
30	93-9051	1	Decal-Bolt, Eccentric
31	3256-22	1	Washer-Flat
32	94-3486	1	Plate
33	63-9750	3	Mount
34	33115-035	3	Screw-HH
35	33025-00	3	Nut-Lock
36	2844	3	Washer
38	94-8196	2	Washer-Nylon



Engine Installation Assembly

Ref	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

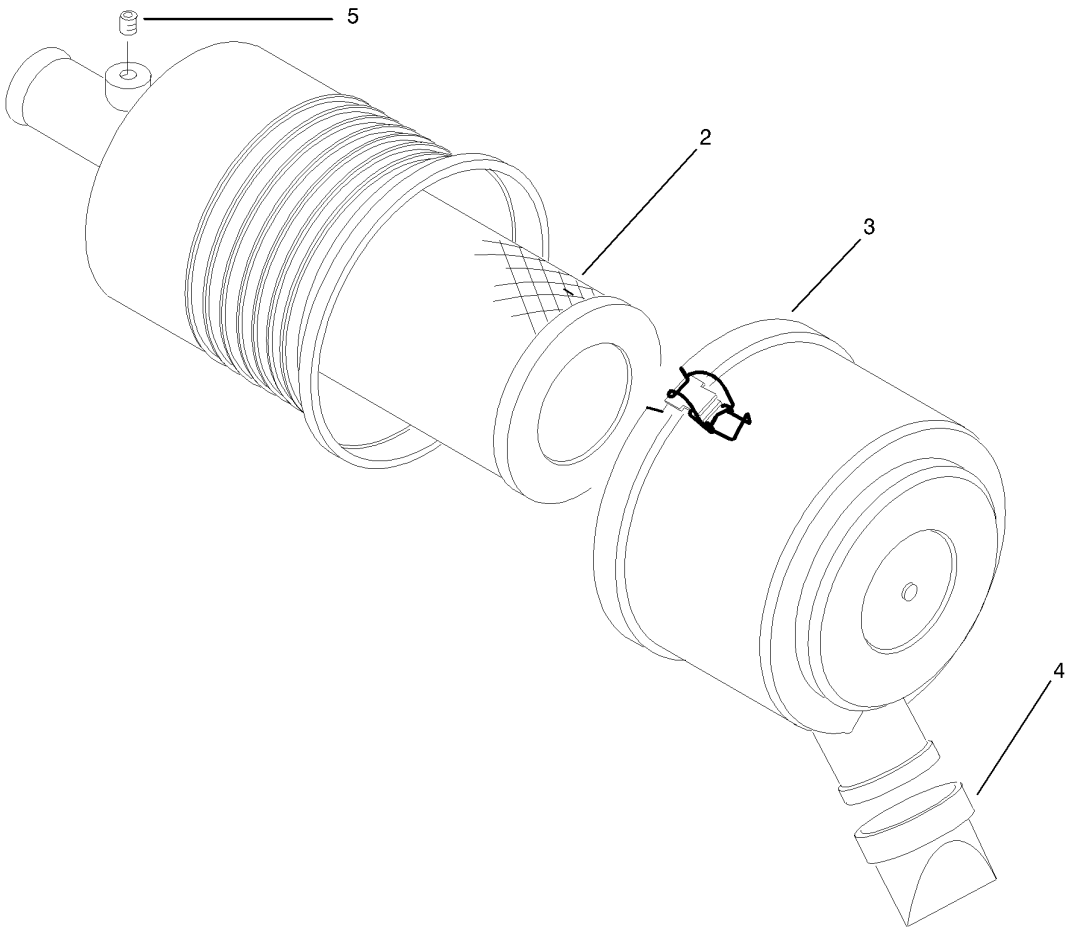
Ref	Part No.	Qty.	Description
25	99-4188-03	1	Bracket-Engine, RH
26	33113-016	4	Screw-HH
27	99-4190-03	1	Plate-Pump
28	93-2588	2	Spacer-Upper
29	93-2174	2	Spacer
30	33116-130	2	Screw-HH
31	87-7270	9	Washer-Thrust
32	33026-00	3	Nut-Lock
33	33115-050	1	Screw-HH
34	99-4240	1	Brace-Wireform, LH
35	99-4238	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	Screw-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



Air Cleaner and Exhaust Assembly

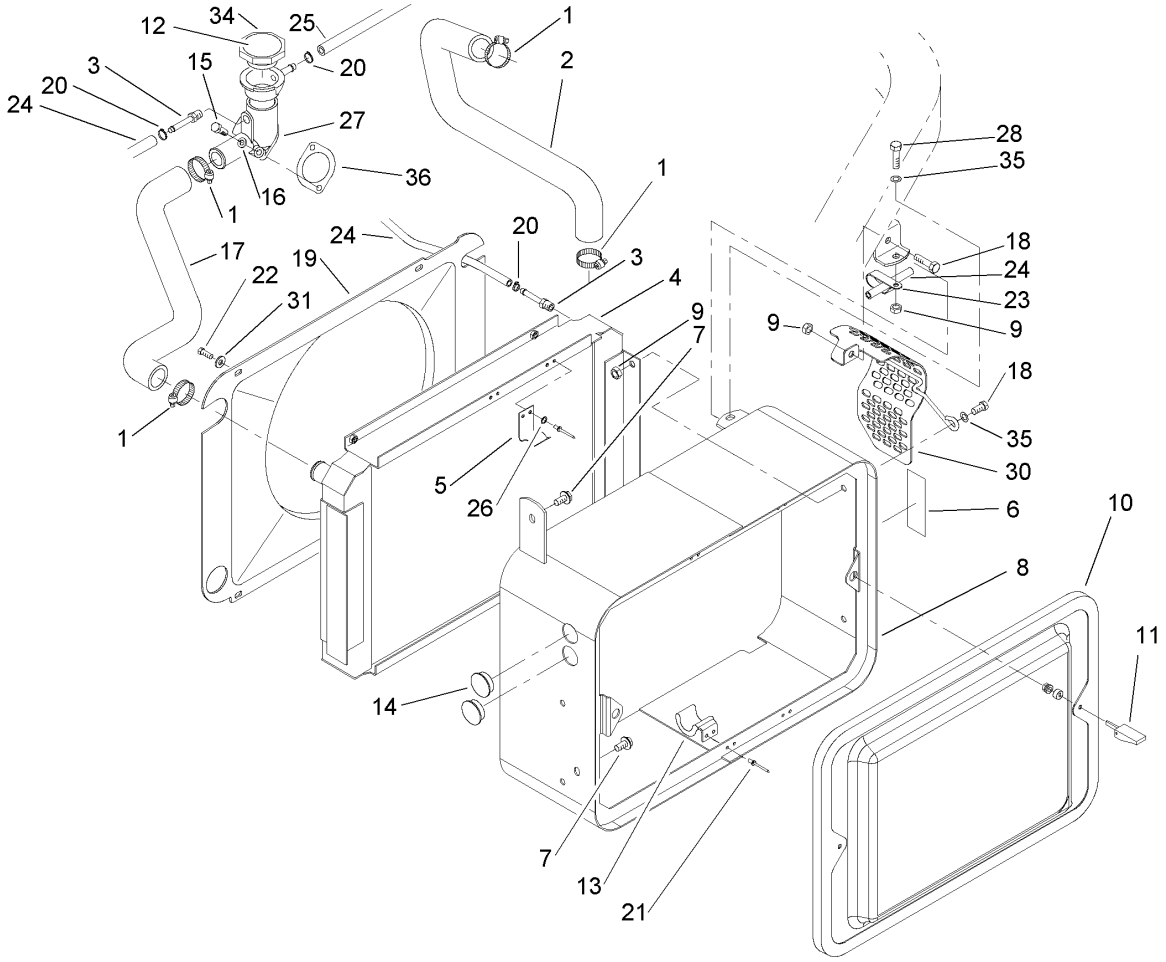
Ref	Part No.	Qty.	Description
2	99-4203-03	1	Bracket-Air Cleaner
3	33024-00	2	Nut-Lock
4	33114-020	8	Screw-HH
5	95-5806	1	Bracket-Mounting
6	95-5805	1	Air Cleaner ASM
7	94-8153	1	Muffler
8	94-8182-03	1	Shield-Muffler
9	46-7510	1	Hood-Inlet, Air
10	2112-9	2	Clamp
10:1	32128-20	2	Nut-HF
11	99-1472	1	Plate-Exhaust
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

Ref	Part No.	Qty.	Description
25	95-5936	1	Hose-Fuel
26	33114-080	2	Screw-HH
27	99-9179	1	Gasket-Exhaust
28	99-9176	4	Nut-Hex
29	100-3191	1	Separator-Fuel
❶29:1	100-3192	1	Element-Filter, Fuel
❶29:2	100-6409	1	Sensor-Filter, Fuel
29:3	100-6408	1	Cover-Filter
30	94-8189	1	Clamp-Hose



Air Cleaner Assembly No. 95-5805

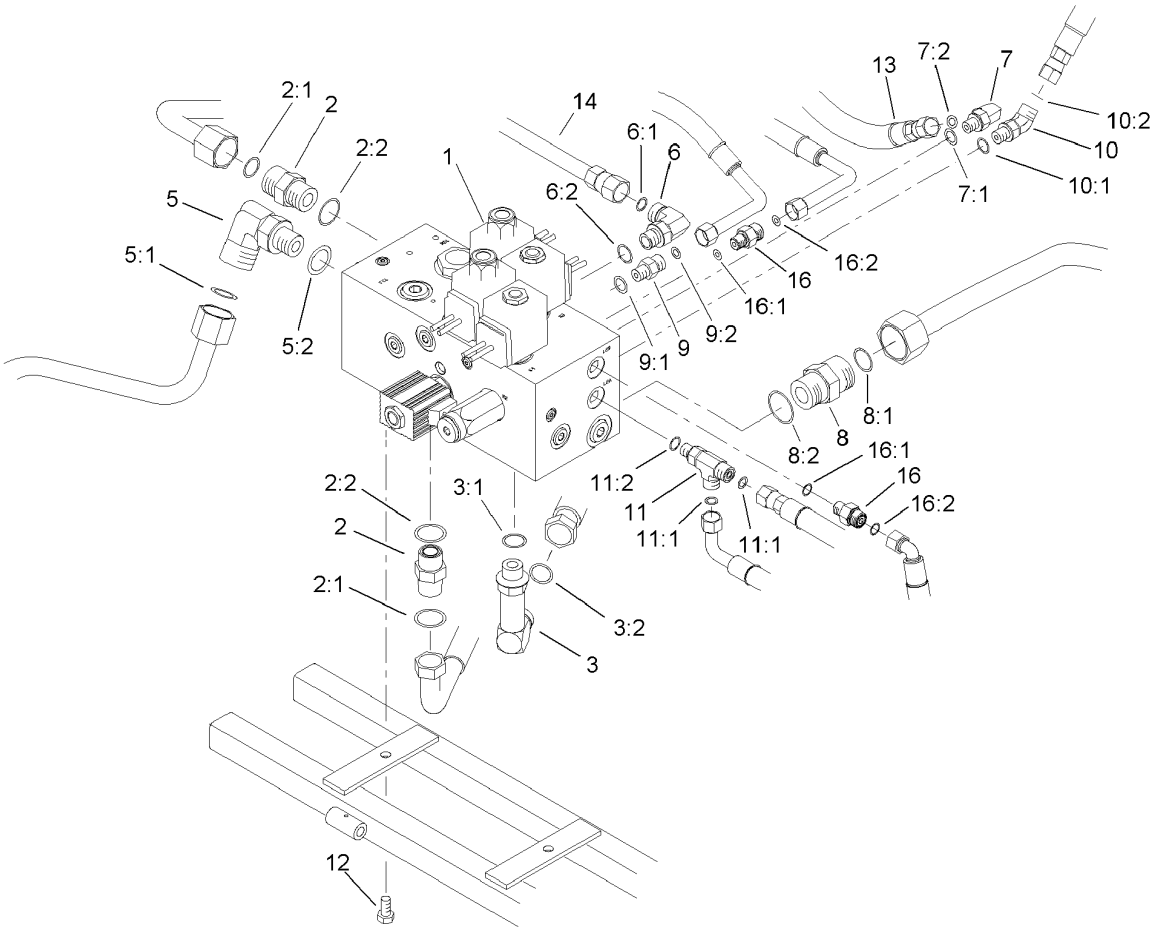
Ref	Part No.	Qty.	Description
2	93-2195	1	Filter
3	94-3652	1	Cover ASM
4	94-1414	1	Valve-Vacuator
5	285-17	1	Plug-Pipe



Radiator Assembly

Ref	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-Warning, Fan
7	32144-14	2	Screw-HWH
8	106-9056-01	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-Warning
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-Worm
21	3269-15	6	Rivet
22	33113-016	4	Screw-HH
23	92-5753	1	Clamp-Hose
24	27-4480	1	Hose-Fuel

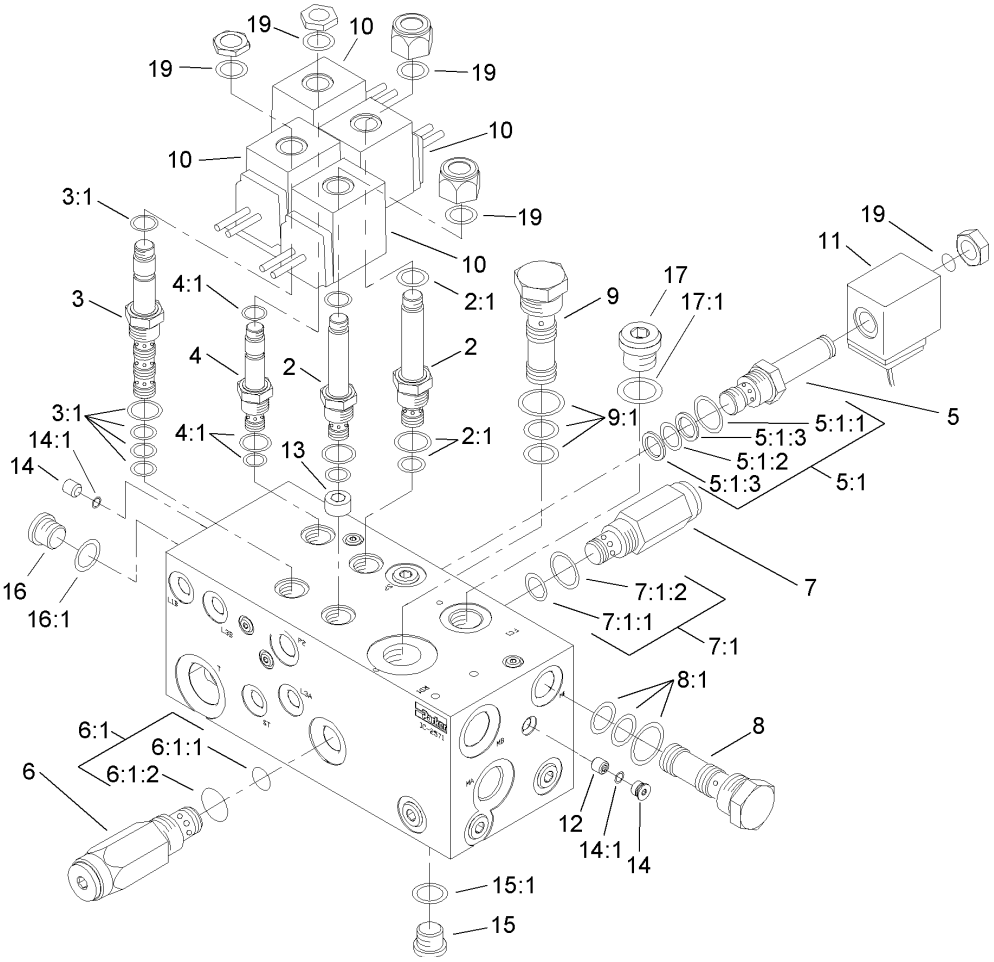
Ref	Part No.	Qty.	Description
25	92-9283	1	Hose-Fuel
26	3269-6	2	Washer
27	93-2448	1	Thermostat Housing ASM
28	33114-025	1	Screw-HH
30	100-3164-03	1	Guard-Alternator
31	3256-22	4	Washer-Flat
34	66-3240	1	Cap-Radiator
35	3256-23	2	Washer-Flat
36	99-9163	1	Gasket-Outlet



Manifold Block Installation Assembly

Ref	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 DEG
5:1	237-65	1	O-Ring
5:2	237-80	1	O-Ring
6	340-77	1	Fitting-Hyd, 90 DEG
6:1	237-22	1	O-Ring
6:2	237-42	1	O-Ring
7	340-132	1	Fitting-Hyd, 90 DEG
7:1	237-78	1	O-Ring
7:2	237-21	1	O-Ring
8	340-9	1	Fitting-Hyd, Straight
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 DEG
10:1	237-78	1	O-Ring

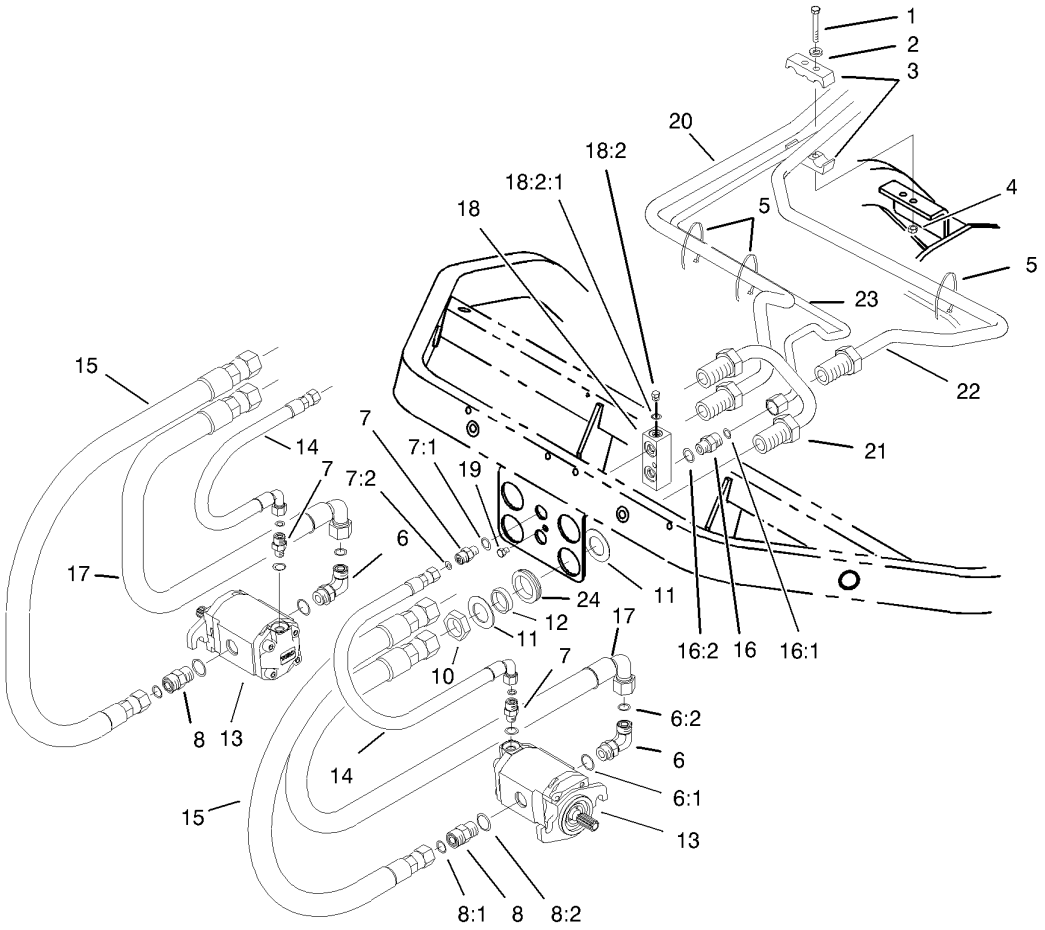
Ref	Part No.	Qty.	Description
10:2	237-21	1	O-Ring
11	340-140	1	Adapter-Tee
11:1	237-21	2	O-Ring
11:2	237-78	1	O-Ring
12	33114-016	2	Screw-HH
13	93-2271	1	HYD Hose ASM
14	105-9790	1	Hose ASM
16	95-1639	2	Fitting-HYD
16:1	237-78	1	O-Ring
16:2	237-21	1	O-Ring



Manifold Assembly No. 106-9005

Ref	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-Type, Stem
5:1	105-3334	1	Seal Kit
❷5:1:1		1	O-Ring
❷5:1:2		1	O-Ring
❷5:1:3		2	Ring-Backup
6	95-1601	1	Cartridge-Relief
6:1	95-5645	1	Seal Kit
❷6:1:1		1	O-Ring
❷6:1:2		1	O-Ring
7	94-6351	1	Cartridge-Relief
7:1	95-5645	1	Seal Kit
❷7:1:1		1	O-Ring
❷7:1:2		1	O-Ring
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

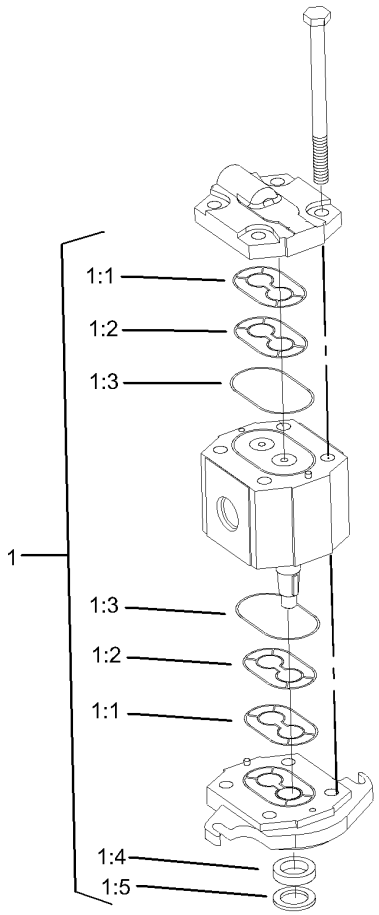
Ref	Part No.	Qty.	Description
11	106-9086	1	Solenoid Coil
12	106-9084	1	Plug-Orifice
13	106-9083	1	Plug-Orifice
14	353-991	8	Plug-Hex, Hollow
14:1	237-156	1	O-Ring
15	353-989	7	Plug-Hex, Hollow
15:1	237-42	1	O-Ring
16	353-988	1	Plug-Hex, Hollow
16:1	237-79	1	O-Ring
17	354-70	1	Plug-Hex, Hollow
17:1	237-80	1	O-Ring
19	94-5438	8	Seal-Solenoid



Front Bulkhead and Reel Motor Assembly

Ref	Part No.	Qty.	Description
1	33113-050	2	Screw-HH
2	3256-1	2	Washer-Flat
3	93-2509	2	Clamp-Tube
4	33023-00	2	Nut-Lock
5	3290-378	3	Tie-Cable
6	340-98	2	Fitting-Hyd, 90 DEG
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	Fitting-Hyd, Sraight
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

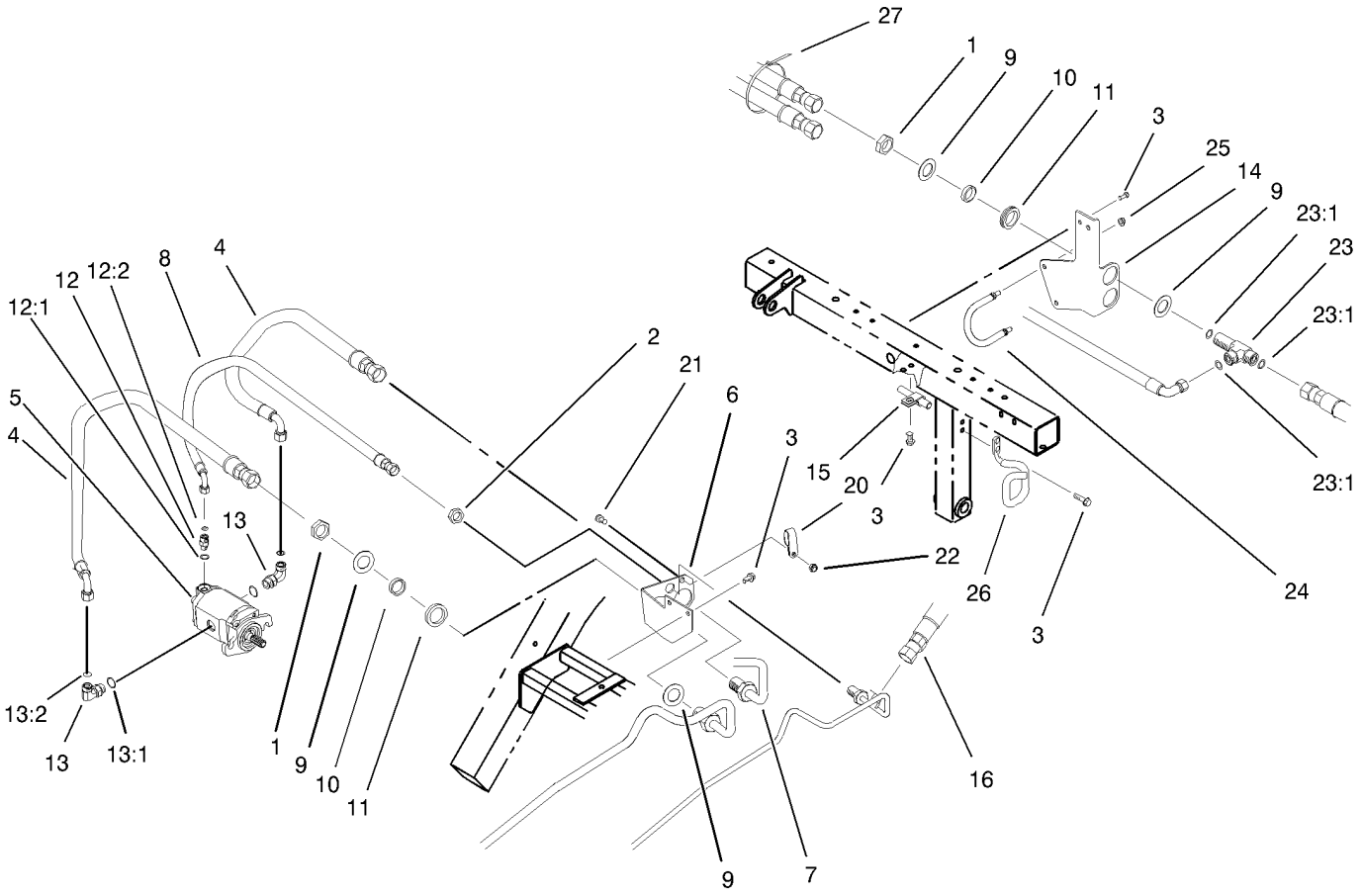
Ref	Part No.	Qty.	Description
18	93-2238	1	T-Block
18:2	353-991	1	Plug-Hex, Hollow
18:2:1	237-156	1	O-Ring
19	33113-008	1	Screw-HH
20	94-1318	1	Tube-HYD
21	94-1319	1	Tube-HYD
22	94-1320	1	Tube-HYD
23	94-1321	1	Tube-HYD
24	240-3	2	Grommet-Rubber



Parts not listed in part list are not serviced separately

Reel Motor Assembly No. 100-6426

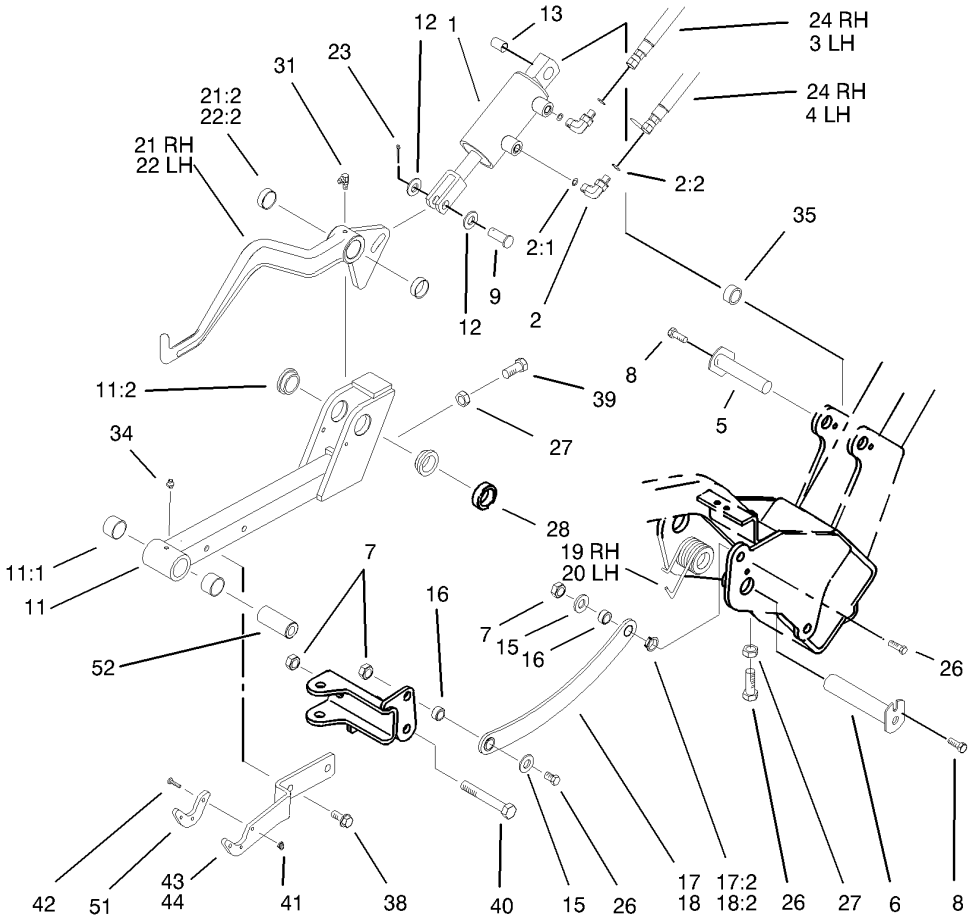
Ref	Part No.	Qty.	Description
1	105-9758	1	Seal Kit
❷1:1		2	Seal-Extrusion, Anti
❷1:2		2	Seal-Pressure
❷1:3		2	O-Ring
❷1:4		1	Seal-Shaft
❷1:5		1	Washer-Backup



Rear Bulkhead and Reel Motor Assembly

Ref	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 DEG
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-Tube
21	33114-020	1	Screw-HH
22	33024-00	1	Nut-Lock
23	94-5350	2	Tee-Bulkhead

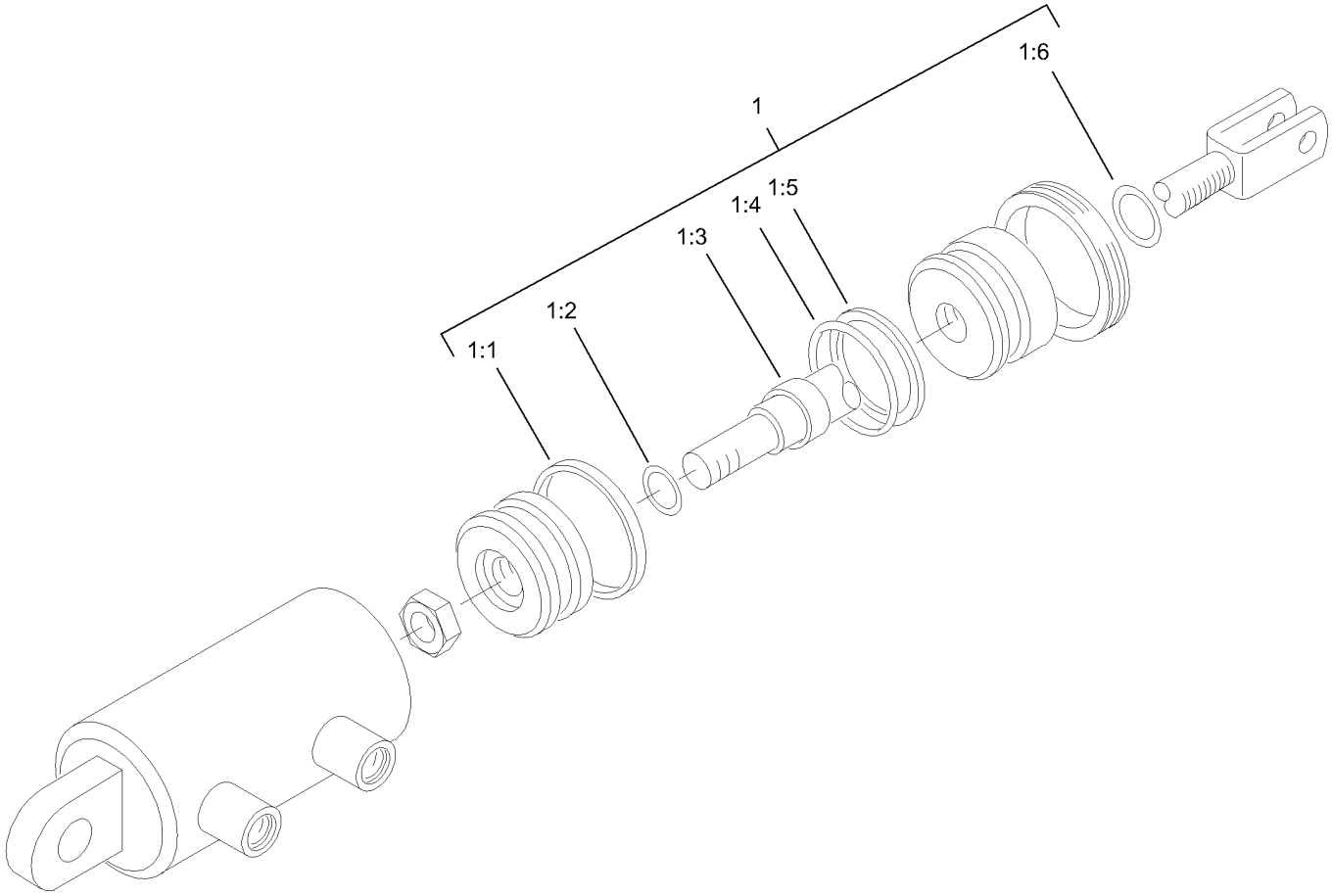
Ref	Part No.	Qty.	Description
23:1	237-65	3	O-Ring
24	99-4221	1	Retainer-Hose
25	3296-29	2	Nut-Lock, NI
26	94-5352	1	Retainer-Hose
27	3290-378	1	Tie-Cable



Left Hand and Right Hand Lift Arm Assembly

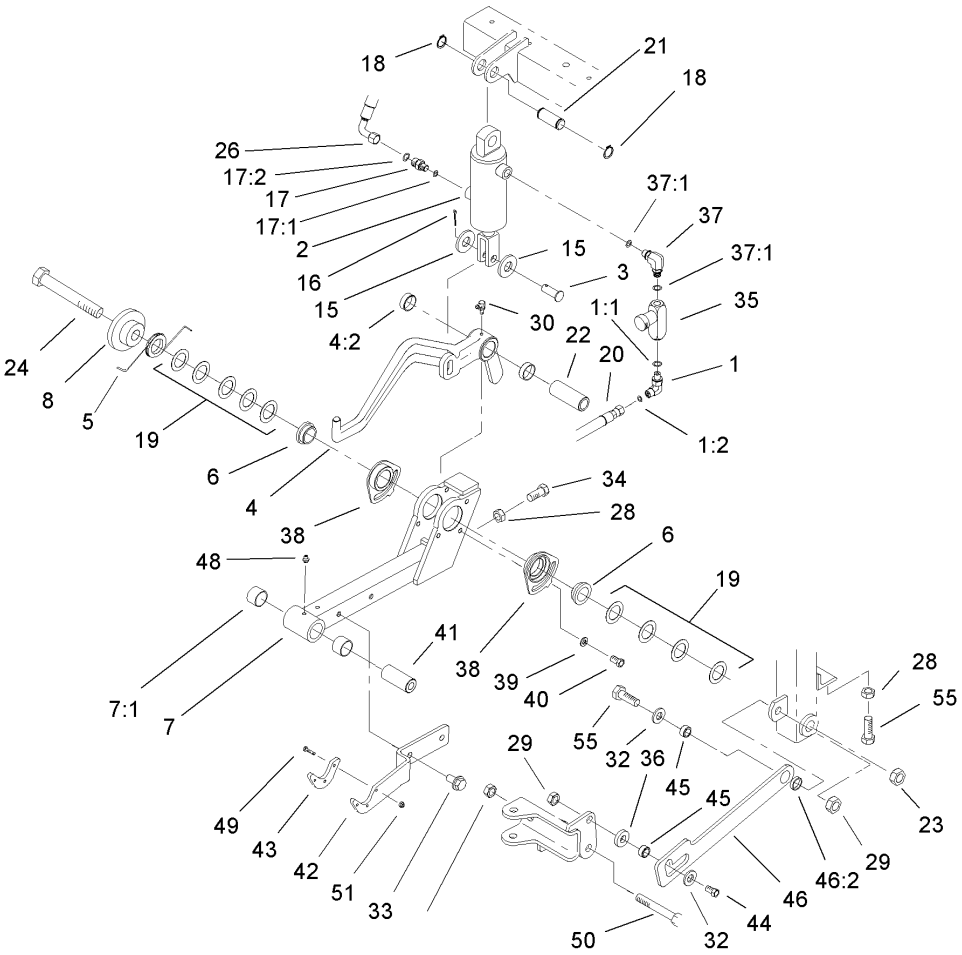
Ref	Part No.	Qty.	Description
1	105-3821	2	HYD Cylinder ASM
2	340-132	4	Fitting-Hyd, 90 DEG
2:1	237-78	1	O-Ring
2:2	237-21	1	O-Ring
3	93-2255	1	HYD Hose ASM
4	93-2256	1	HYD Hose ASM
5	10-6060	2	Pin-Pivot, Ram
6	94-8198	2	Pin
7	3296-25	6	Nut-Lock, NI
8	32144-14	4	Screw-HWH
9	283-68	2	Pin-Clevis
11	99-4115	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

Ref	Part No.	Qty.	Description
21	99-4213	1	RH Lift Arm ASM
21:2	92-8995	2	Bushing
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



Hydraulic Cylinder Assembly No. 105-3821

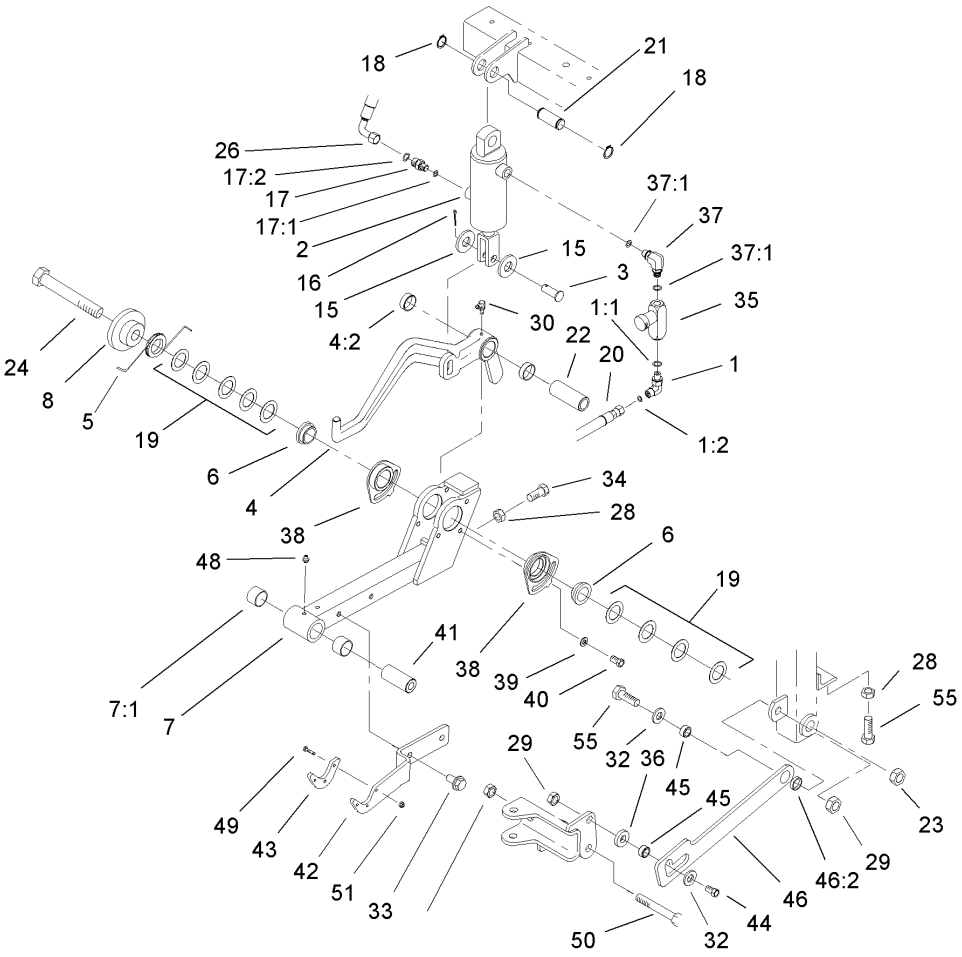
Ref	Part No.	Qty.	Description
1	105-3836	1	Seal Kit
❷1:1		1	T-Seal
❷1:2		1	O-Ring
❷1:3		1	Seal-Rod
❷1:4		1	O-Ring
❷1:5		1	Backup
❷1:6		1	Seal-Dust



Center Lift Arm Assembly

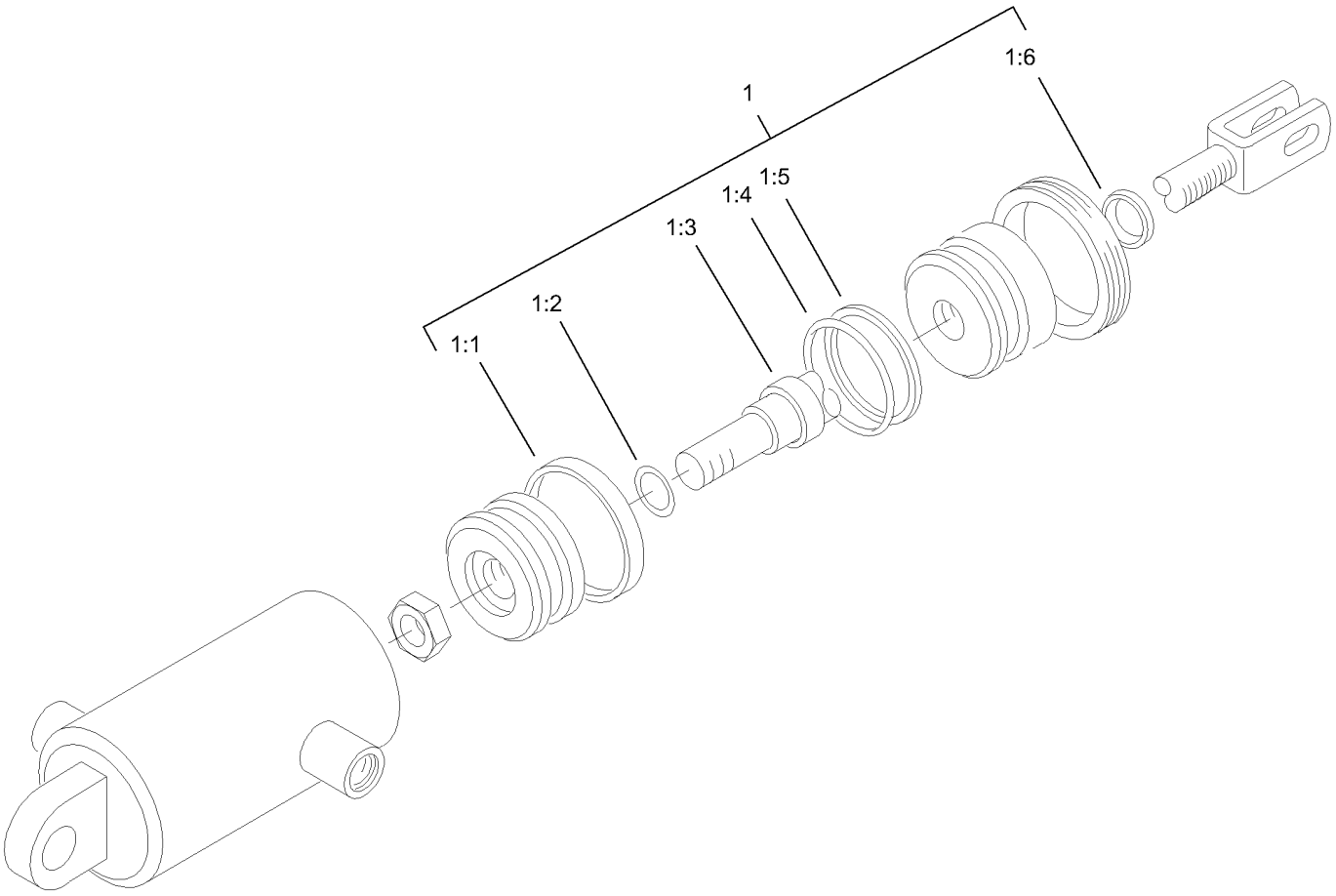
Ref	Part No.	Qty.	Description
1	340-132	1	Fitting-Hyd, 90 DEG
1:1	237-78	1	O-Ring
1:2	237-21	1	O-Ring
2	105-3820	1	HYD Cylinder ASM
3	283-68	1	Pin-Clevis
4	99-4126	1	Center Lift Arm ASM
4:2	92-8995	2	Bushing
5	105-9781	1	Spring-Torsion
6	98-2197	2	Bushing-Flange
7	99-4116	1	Rear Lift Frame ASM
7:1	98-4166	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

Ref	Part No.	Qty.	Description
26	94-3477	1	HYD Hose ASM
28	3218-5	2	Nut-Jam
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



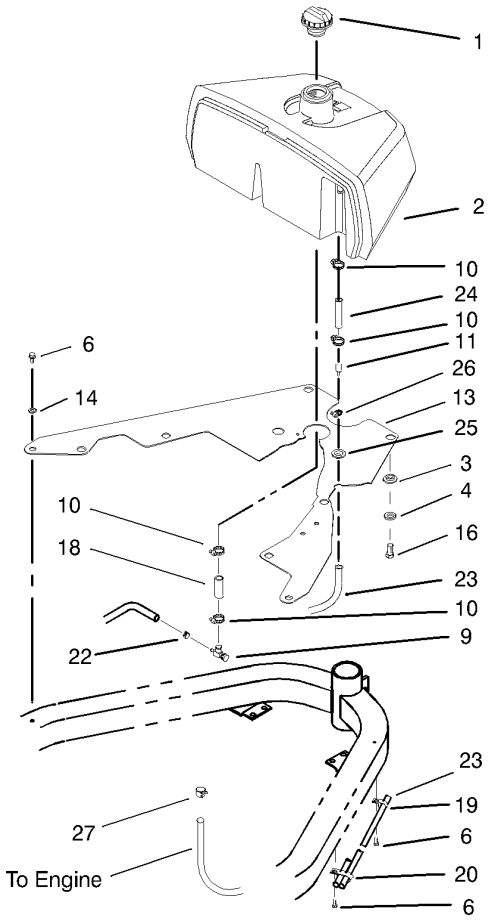
Center Lift Arm Assembly (continued)

Ref	Part No.	Qty.	Description
51	3296-54	3	Nut-Lock, NI
55	325-6	2	Screw-HH



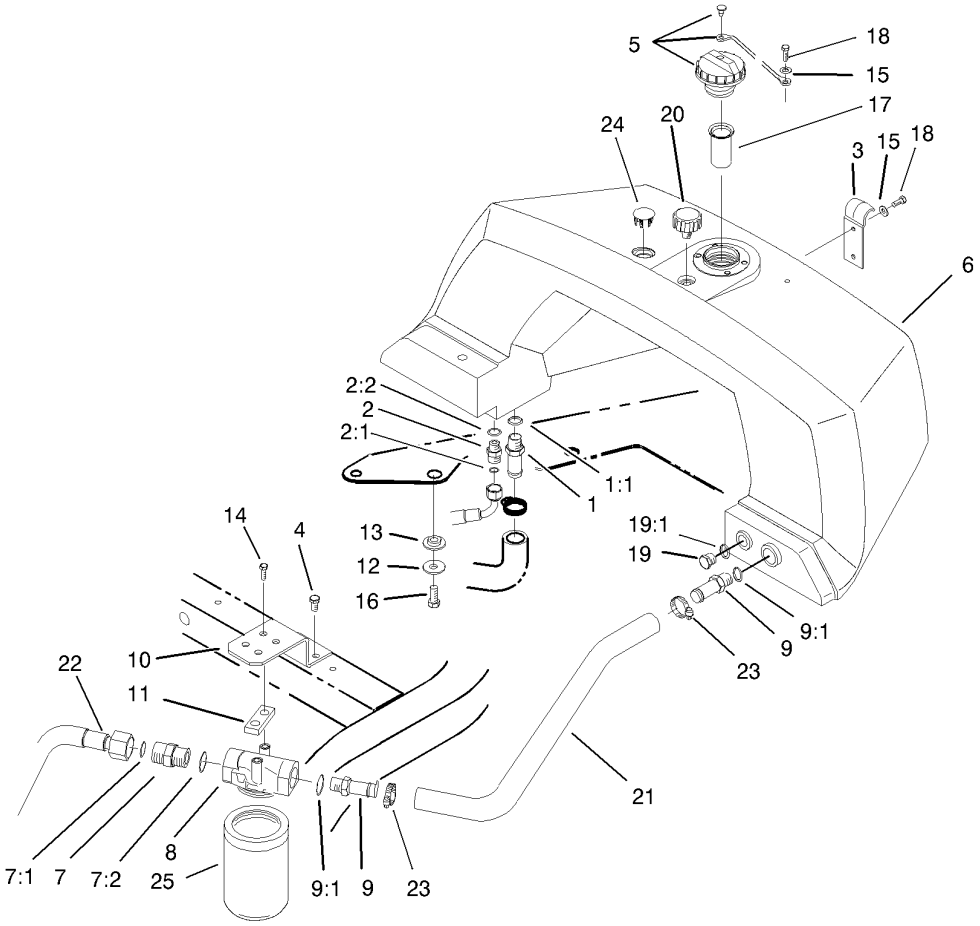
Hydraulic Cylinder Assembly No. 105-3820

Ref	Part No.	Qty.	Description
1	105-3836	1	Seal Kit
❷1:1		1	T-Seal
❷1:2		1	O-Ring
❷1:3		1	Seal-Rod
❷1:4		1	O-Ring
❷1:5		1	Backup
❷1:6		1	Seal-Dust



Fuel System Assembly

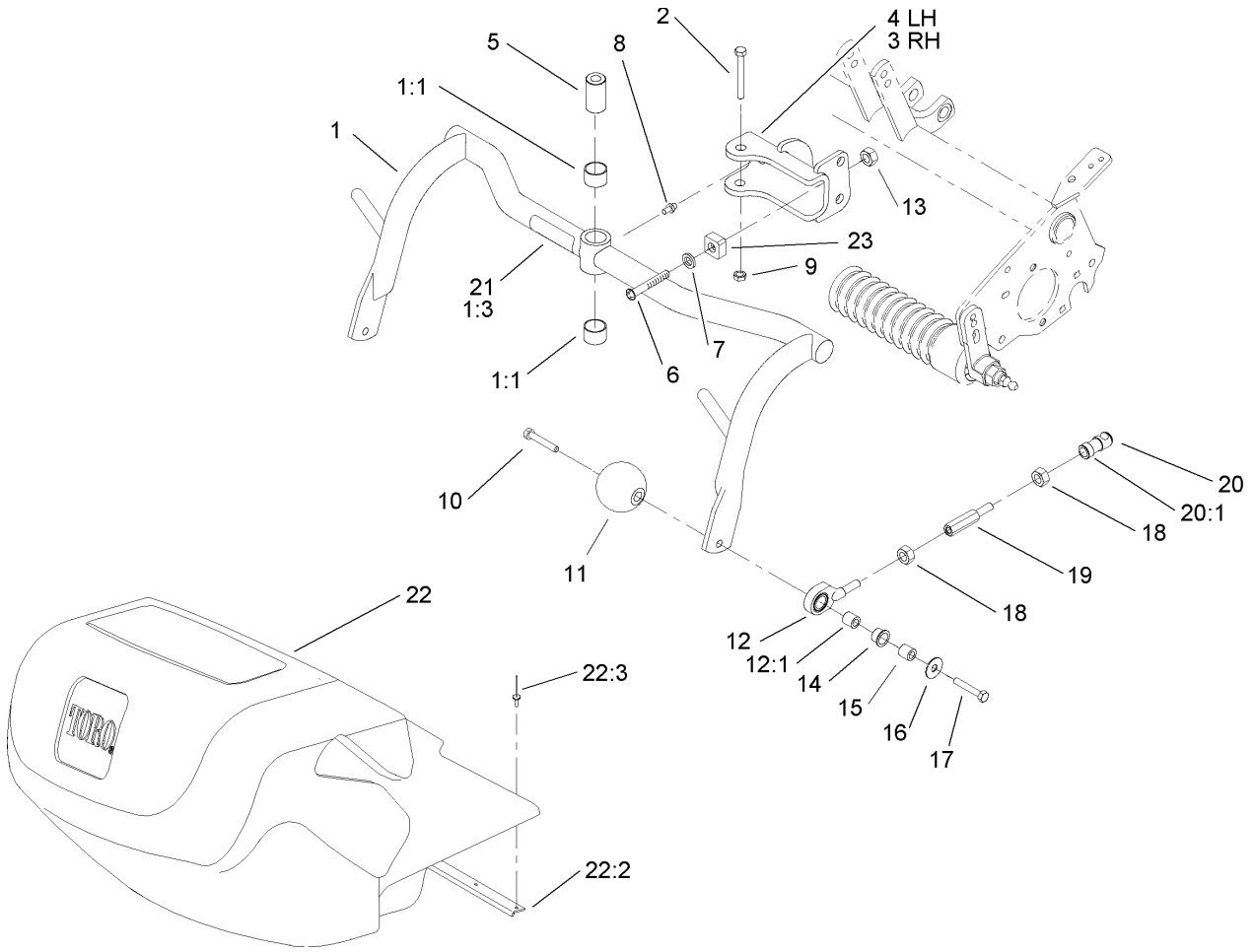
Ref	Part No.	Qty.	Description
1	93-3102	1	Cap-Fuel
2	93-2225	1	Tank-Fuel
3	240-11	3	Bushing-Flange
4	93-4637	3	Washer-Flat
6	32144-14	5	Screw-HWH
9	56-2520	1	Fitting-Shut Off, Fuel
10	2412-36	4	Clamp-Hose
11	93-2299	1	Fitting-Fuel
13	94-1364-03	1	Plate
14	3256-23	2	Washer-Flat
16	33115-020	3	Screw-HH
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-Worm
27	94-8189	1	Clamp-Hose



Hydraulic Tank and Filter Assembly

Ref	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	Bushing-Flange
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

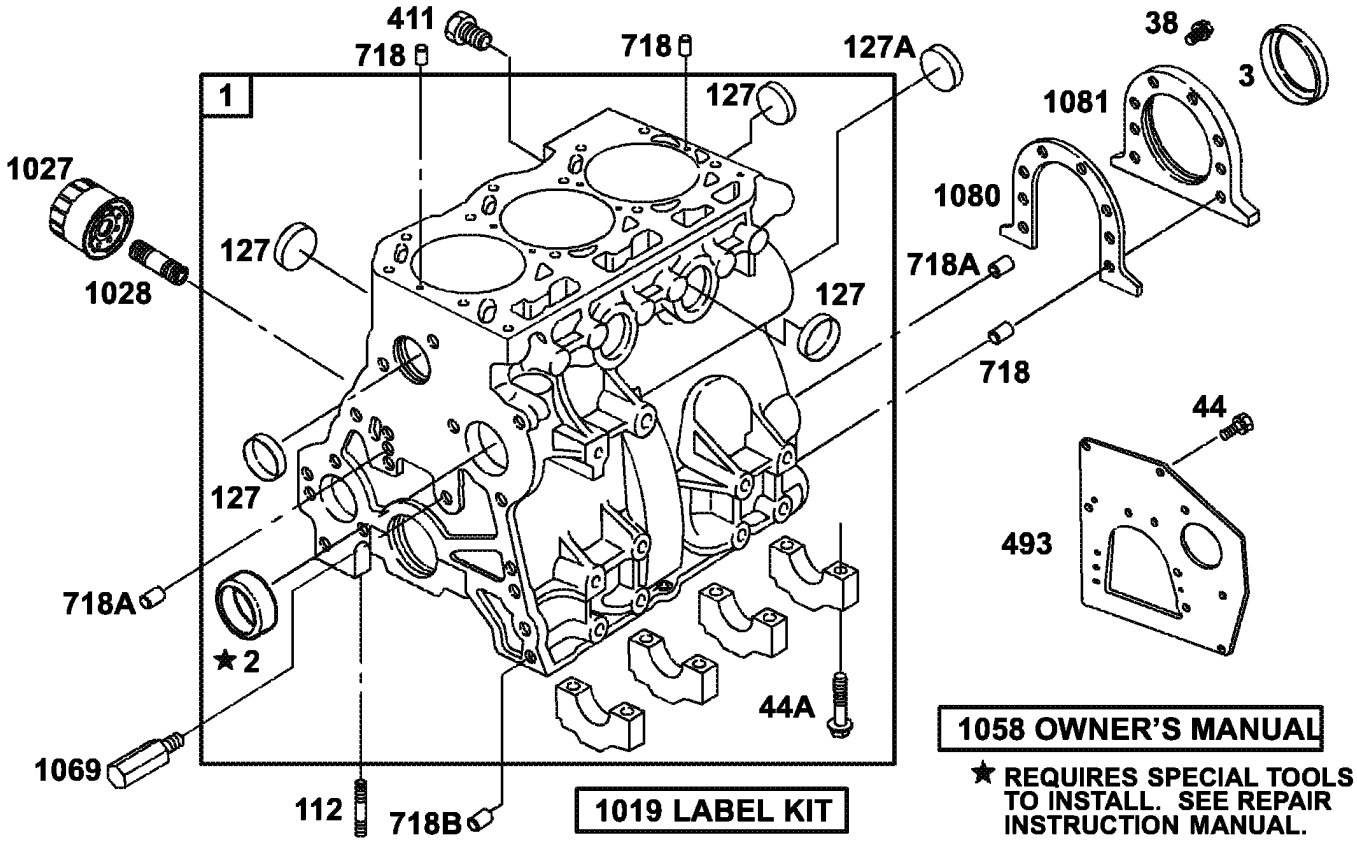
Ref	Part No.	Qty.	Description
19	353-988	1	Plug-Hex, Hollow
19:1	237-79	1	O-Ring
20	68-6150	1	Breather
21	94-9607	1	Hose-Return
22	94-4518	1	Tube ASM
23	2412-129	2	Clamp-Hose
24	93-2437	1	Plug-Serrated
25	105-0438	1	Element-Filter



Pull Frame Assembly

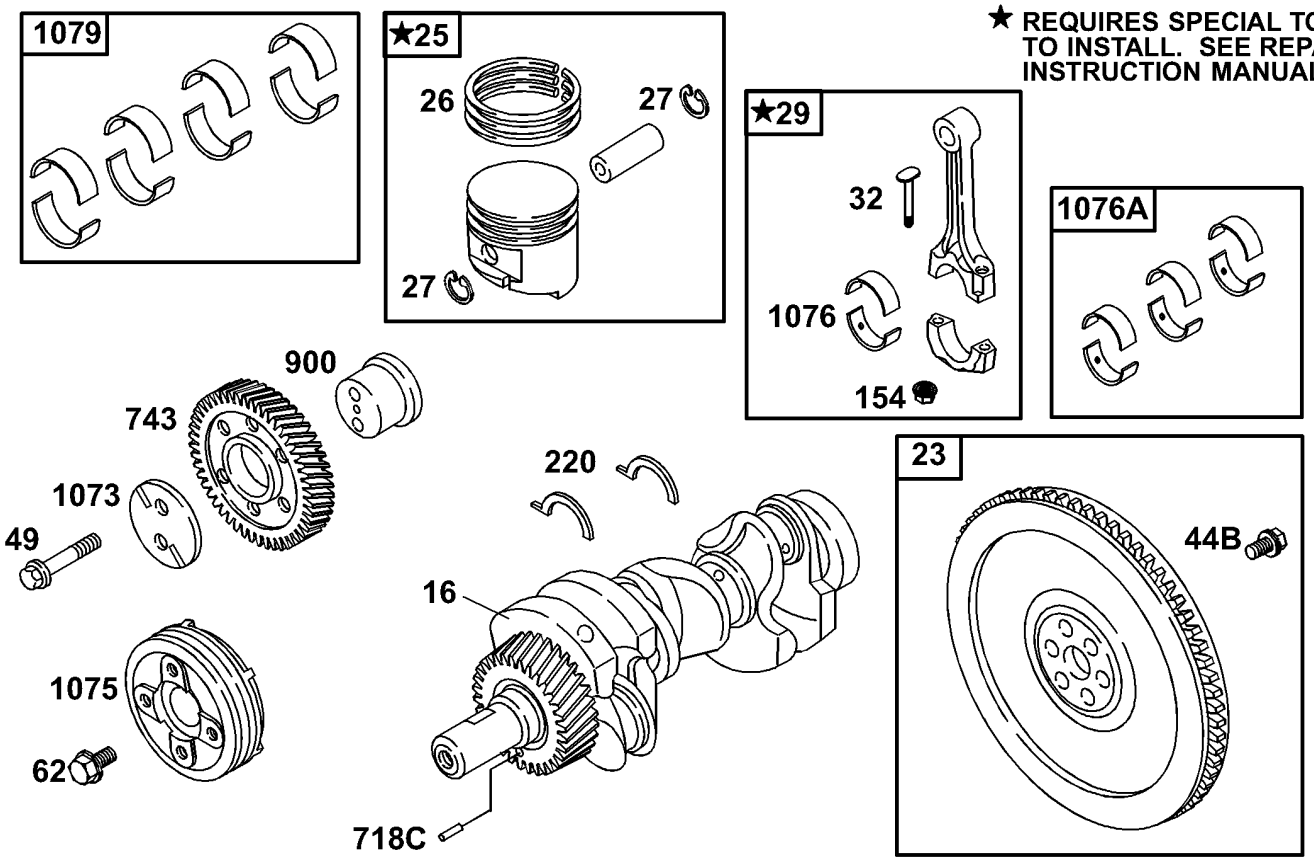
Ref	Part No.	Qty.	Description
1	99-4114	3	Pull Frame ASM
1:1	98-4166	2	Bushing
1:3	104-7728	1	Decal-Danger
2	325-13	3	Screw-HH
3	99-4183-01	2	RH Clevis ASM
4	99-4182-01	1	LH Clevis ASM
5	99-4109	3	Spacer-Pivot
6	78-8710	3	Screw
7	3256-77	3	Washer-Flat
8	302-5	3	Fitting-Grease
9	3296-25	3	Nut-Lock, NI
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	Part No.	Qty.	Description
21	104-7729	3	Decal-Danger (Europe)
22	106-4689	3	Grass Basket ASM
22:2	104-2607	1	Strip-Basket
22:3	3290-382	8	Rivet-Pop
23	94-1392	3	Pad-Rubber



Cylinder Assembly

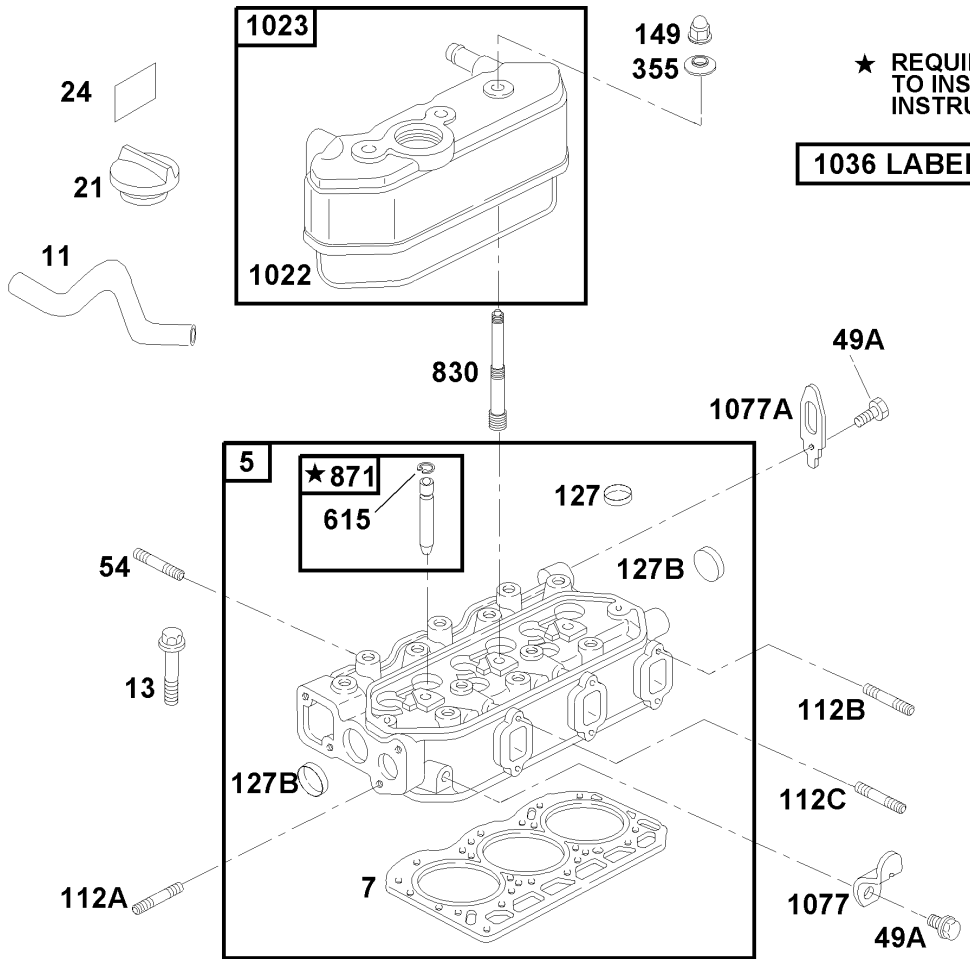
Ref	Part No.	Qty.	Description
❸1	100-6401	1	Cylinder ASM
❸2	99-9002	1	Bushing
❹3	99-9003	1	Seal-Oil
1019	99-9015	1	Label Kit
1058	99-9602	1	Manual-Owner's
❸1069	99-9020	1	Nozzle-Oil
❹1080	99-9021	1	Gasket-Retainer
❸1081	99-9022	1	Retainer-Seal
112	99-9007	1	Stud-Metric
1027	99-9017	1	Filter-Oil
127	99-9008	7	Plug-Welch
❸127A	99-9010	1	Plug-Welch
1028	99-9018	1	Adapter-Filter, Oil
38	99-9004	6	Screw-Hex
❸411	99-9601	1	Plug (Cylinder Block)
44	99-9005	3	Screw-Hex
44A	99-9006	8	Screw-Hex
❸493	100-3195	1	Bracket-Mounting
718	99-9012	4	Pin-Locating
718A	99-9013	3	Pin-Locating
718B	99-9014	2	Pin-Locating



Crankshaft Assembly

Ref	Part No.	Qty.	Description
16	99-9252	1	Crankshaft
23	99-9267	1	Flywheel
25	99-9605	3	Piston ASM
25	99-9268	3	Piston ASM-.010" Oversized
26	99-9606	3	Ring Set
26	99-9269	3	Ring Set-.010" Oversized
27	99-9607	6	Lock-Pin, Piston
29	99-9608	3	Rod-Connecting
32	99-9030	6	Screw-Rod, Connecting
49	99-9032	2	Screw-Hex
62	99-9033	1	Screw-Hex
154	99-9034	6	Nut-Hex
220	99-9035	1	Washer-Thrust
220	99-9036	1	Washer-Thrust, .005 Oversize
44B	99-9031	6	Screw-Hex
743	99-9609	1	Gear-Drive
900	99-9039	1	Shaft-Gear
1073	99-9040	1	Plate-Gear, Idler
1075	99-9692	1	Pully-Crankshaft
1076	99-9042	1	Bearing-Rod
1079	99-9045	1	Bearing Set (Main)set Of 8
1079	99-9046	1	Bearing Set (.010 Undersize)
718C	99-9037	1	Pin-Locating
1076A	99-9043	3	Rod Bearing Set

Ref	Part No.	Qty.	Description
1076A	99-9044	3	Rod Bearing Set (.010 Undersize)

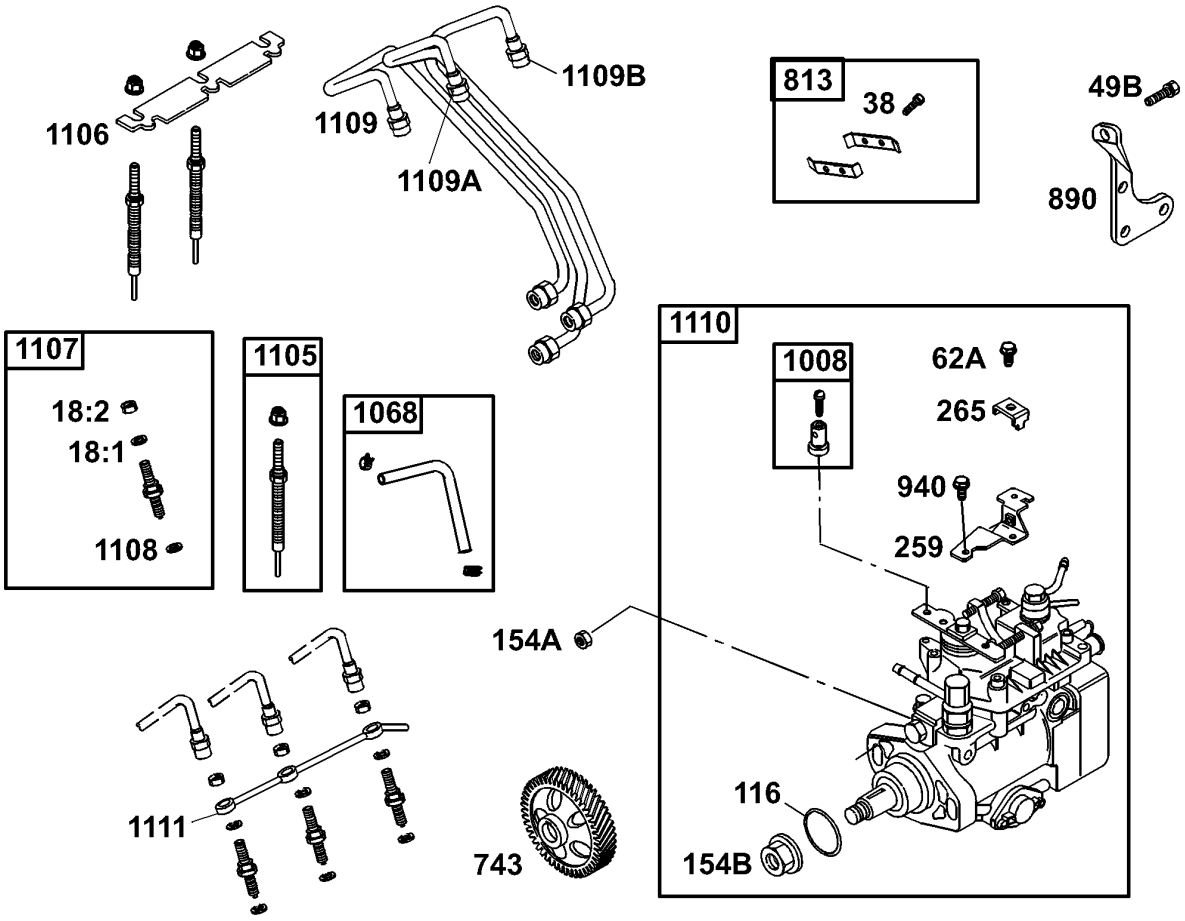


★ REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL.

1036 LABEL KIT-EMISSION

Cylinder Head Assembly

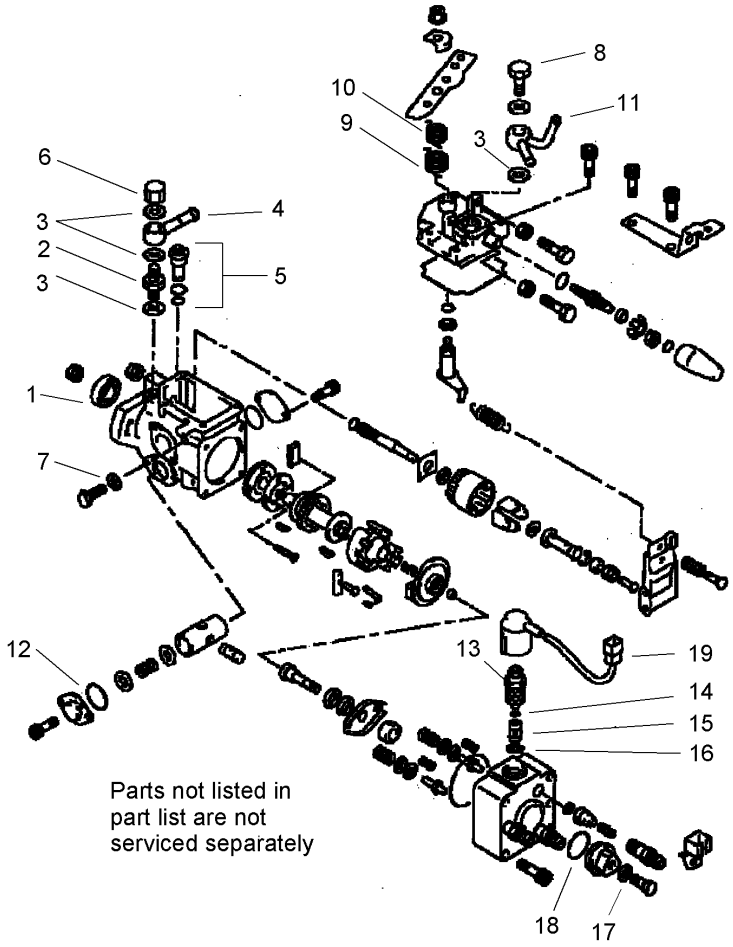
Ref	Part No.	Qty.	Description
5	99-9611	1	Head-Cylinder
7	99-9612	1	Gasket-Head, Cylinder
11	104-7743	1	Tube-Breather
13	99-9614	14	Screw-Metric
21	99-9052	1	Cap-Fill, Oil
24	105-3817	1	Label-Fill, Oil
54	99-9055	2	Stud-Metric
127	99-9008	2	Plug-Welch
149	99-9061	3	Nut-Hex, Metric
355	99-9063	3	Washer-Seal
49A	99-9054	2	Screw-Hex
615	99-9067	6	Retainer
830	99-9101	3	Stud-Arm, Rocker
871	99-9070	6	Bushing-Guide
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
112A	99-9057	2	Stud-Metric
112C	99-9059	1	Stud-Metric
112B	99-9058	5	Stud-Metric
127B	99-9060	2	Plug-Welch
1077A	99-9077	1	Bracket-Lifting



Injection Assembly

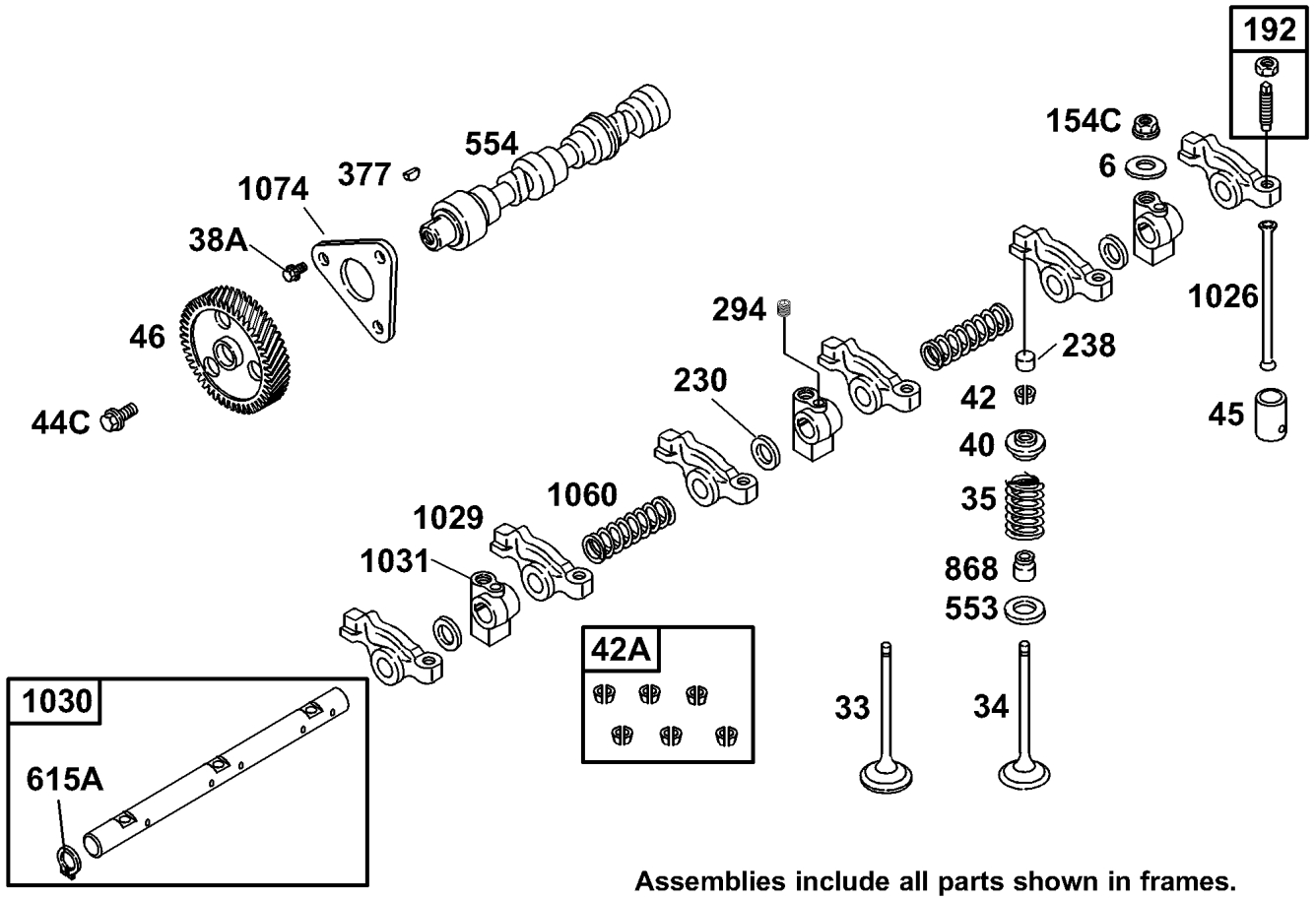
Ref	Part No.	Qty.	Description
38	99-9004	2	Screw-Hex
116	99-9618	1	O-Ring
259	99-9621	1	Bracket-Clamp, Casing
265	99-9622	1	Clamp-Casing
49B	99-9616	4	Screw-Hex
62A	100-6403	1	Screw-Metric
743	99-9624	1	Gear-Drive
813	99-9625	1	Clamp
890	99-9626	1	Bracket-Support
940	100-6410	2	Screw-Hex
1008	99-9628	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
1110	106-6364	1	Pump-Injection
1111	99-9637	1	Pipe-Return, Fuel
154A	99-9619	2	Nut-Hex, Metric
154B	99-9620	1	Nut-Hex, Metric
1109A	99-9634	1	Pipe-Injector, #2
1109B	99-9635	1	Pipe-Injector, #3
18:1	100-5148	1	Washer

Ref	Part No.	Qty.	Description
18:2	100-5149	1	Nut-Hex



Injection Assembly No. 106-6364

Ref	Part No.	Qty.	Description
1	100-5190	1	Seal-Oil
2	100-5234	1	Screw-Hollow
3	100-5221	5	Washer, Air Bleede
4	100-5222	1	Nipple ASM
5	100-5230	1	Valve ASM
6	100-5302	1	Nut-Cap
7	100-5314	2	Gasket-Delivery
8	100-5220	1	Screw ASM
9	100-5226	1	Spring-Return
10	100-5228	1	Spring-Return
11	100-5307	1	Nipple ASM
12	100-5202	2	O-Ring
13	100-5161	1	Solenoid ASM
14	100-5162	1	O-Ring
15	100-5303	1	Filter ASM
16	100-5304	1	Washer
17	100-5205	1	Gasket-Delivery
18	100-5206	1	O-Ring
19	100-5212	1	Wire ASM

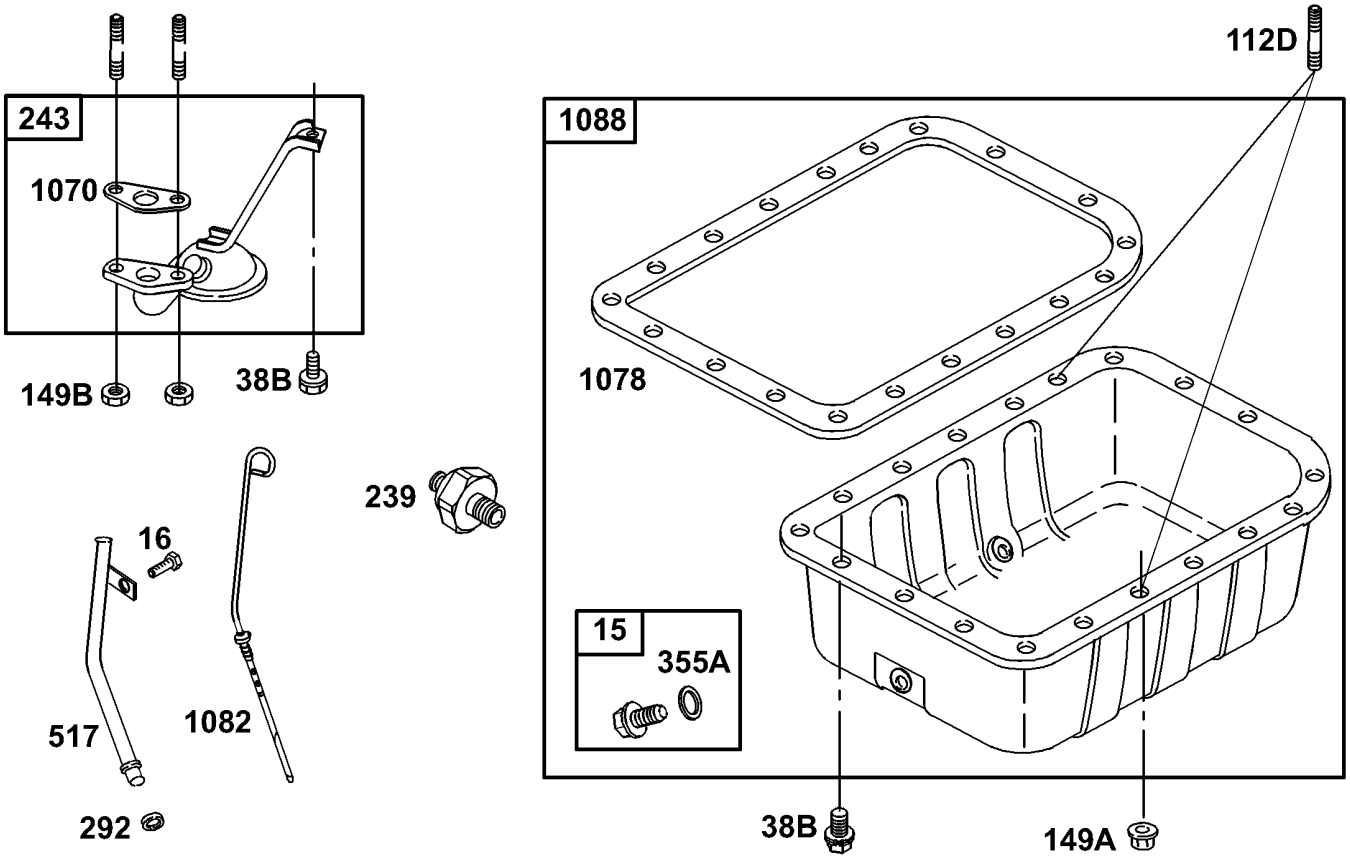


Assemblies include all parts shown in frames.

Rocker Arm Assembly

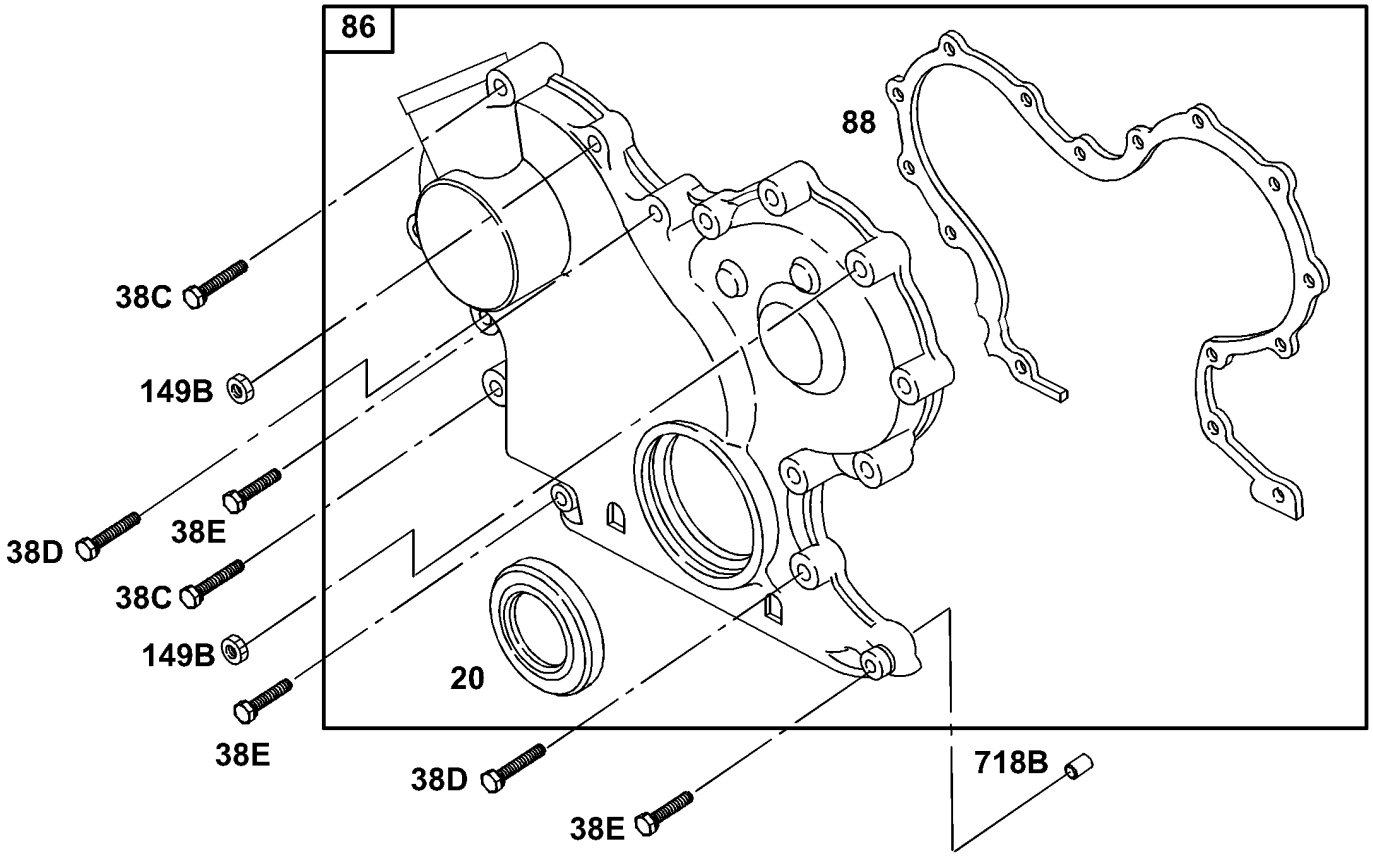
Ref	Part No.	Qty.	Description
6	99-9079	3	Washer-Flat
33	99-9638	3	Valve-Exhaust
34	99-9639	3	Valve-Intake
35	99-9640	6	Spring-Valve
40	99-9084	6	Retainer-Valve
42	99-9086	1	Keeper-Valve
45	99-9088	6	Tappet-Valve
46	99-9641	1	Gear-Cam
192	99-9092	6	Adjuster-Arm, Rocker
230	99-9093	3	Washer-Spacer
238	99-9094	6	Cap-Valve
294	99-9090	1	Screw-Metric
377	99-9642	1	Key-Timing
38A	99-9083	3	Screw-Hex
42A	99-9087	6	Keeper-Valve (Set Of Six)
44C	99-9085	1	Screw-Metric
553	99-9096	6	Seat-Spring, Valve
554	99-9097	1	Shaft-Cam
868	99-9643	6	Seal-Valve
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

Ref	Part No.	Qty.	Description
1074	99-9109	1	Retainer-Camshaft
154C	99-9091	3	Nut-Hex, Metric
615A	99-9099	2	Retainer



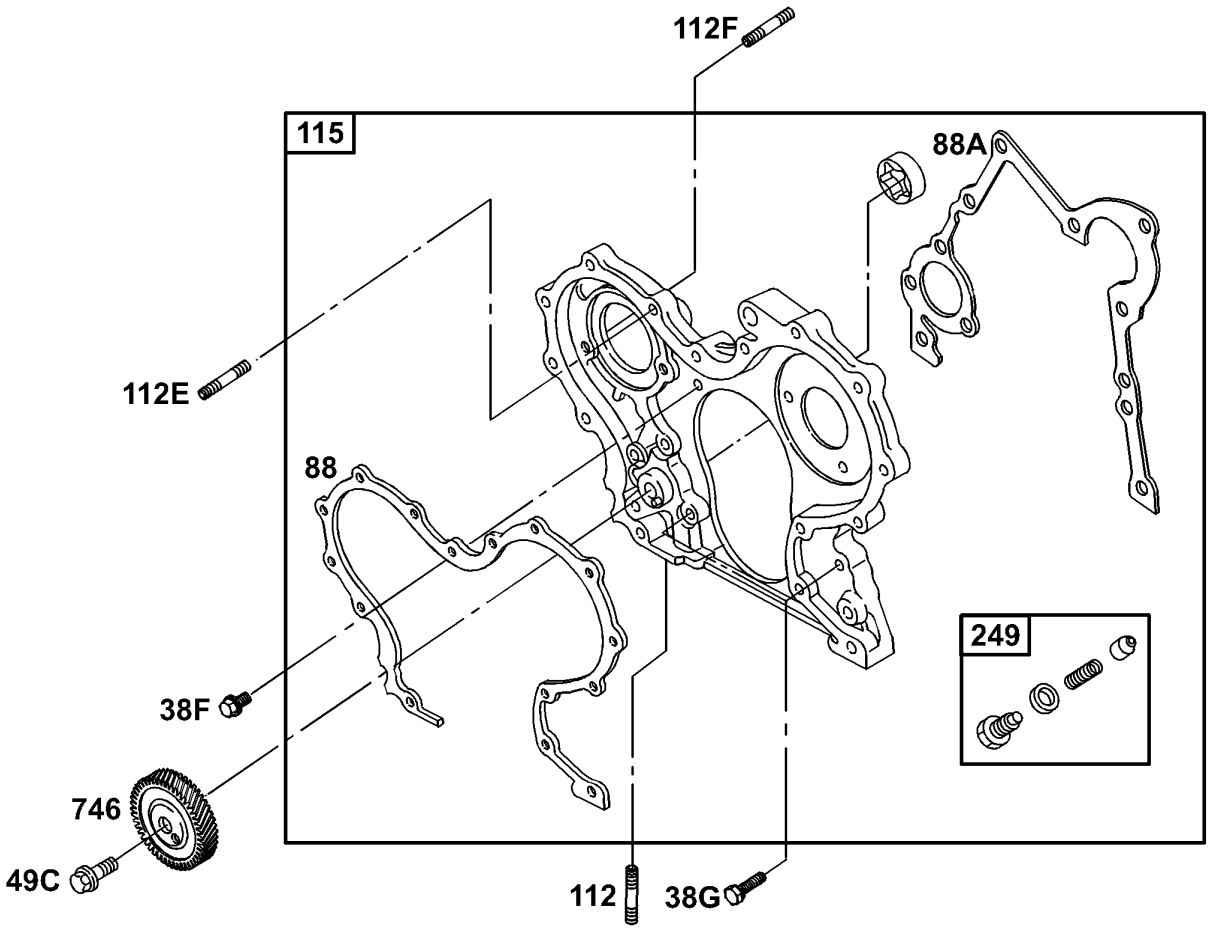
Oil Pan Assembly

Ref	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	99-9112	2	Stud-Metric
149A	99-9113	2	Nut-Hex, Metric
149B	99-9114	2	Nut-Hex, Metric
15	99-9644	1	Plug-Drain, Oil
16	99-9256	1	Screw-Hex
239	99-9115	1	Switch-Pressure, Oil
243	99-9116	1	Screen-Pump, Oil
292	99-9265	1	O-Ring (Dipstick)
355A	99-9645	1	Washer-Seal
38B	99-9111	18	Screw-Hex
517	100-6406	1	Tube-Dipstick



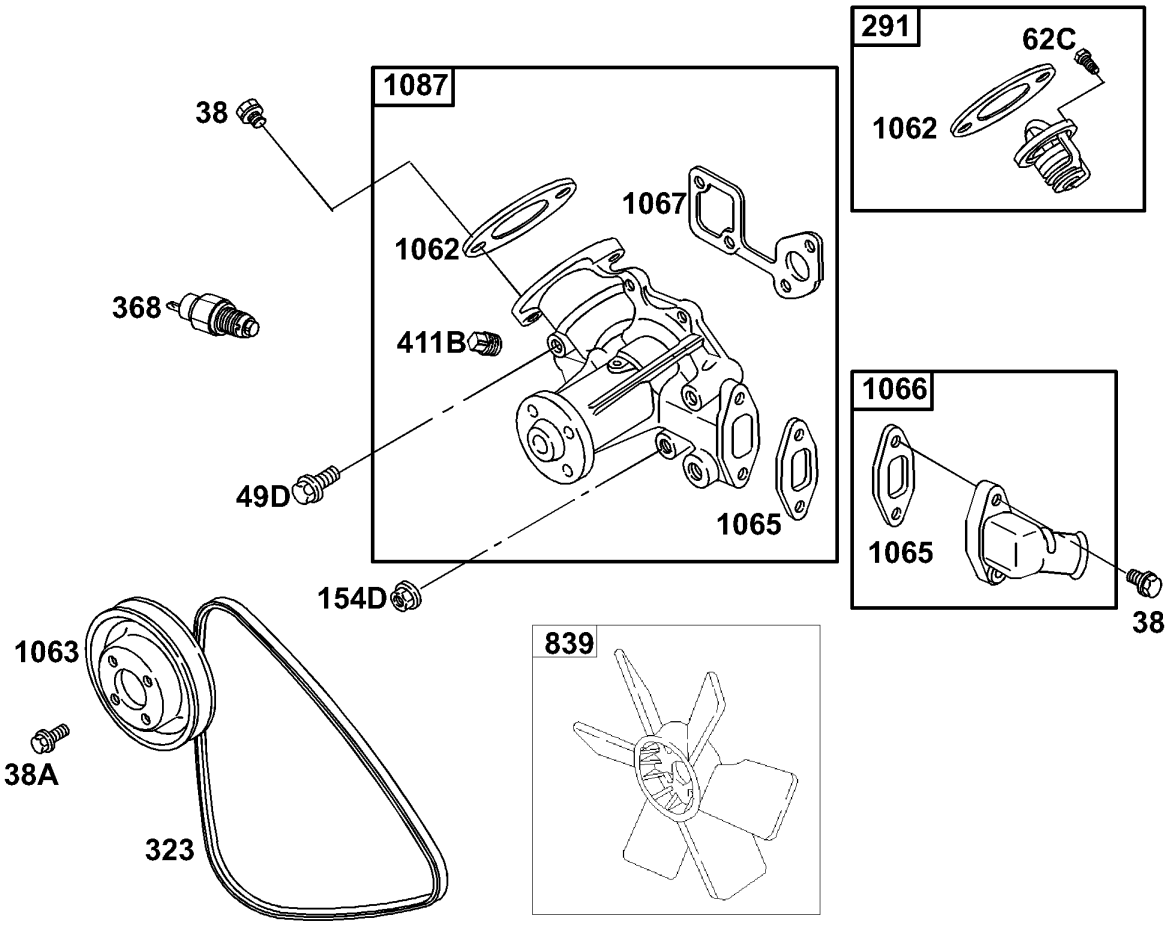
Cover Assembly

Ref	Part No.	Qty.	Description
20	99-9126	1	Seal-Oil
86	99-9652	1	Gear Cover ASM
88	99-9653	1	Gasket-Cover, Gear
38C	99-9651	2	Screw-Hex
38D	99-9128	9	Screw-Hex
38E	99-9129	3	Screw-Hex
149B	99-9114	2	Nut-Hex, Metric
718B	99-9014	1	Pin-Locating



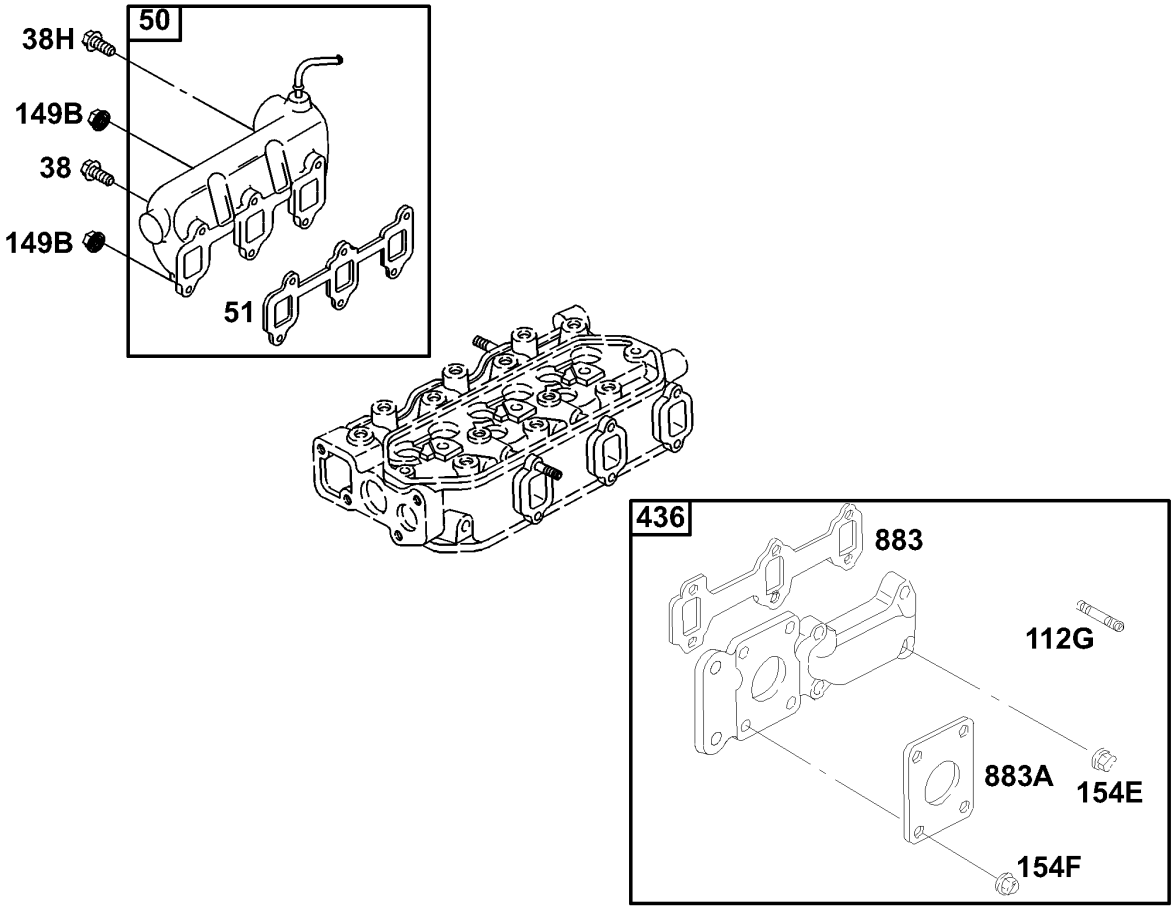
Gear Housing Assembly

Ref	Part No.	Qty.	Description
88	99-9653	1	Gasket-Cover, Gear
112	99-9007	1	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
88A	99-9136	1	Gasket-Cover, Gear
112E	99-9137	2	Stud-Metric
112F	99-9654	2	Stud-Metric



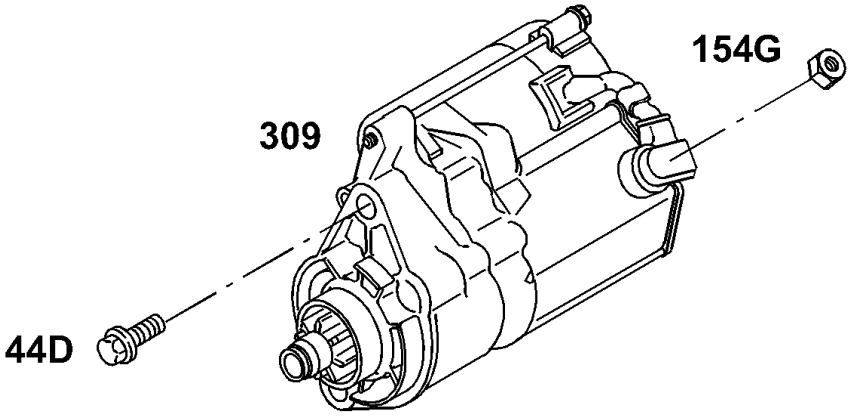
Water Pump Assembly

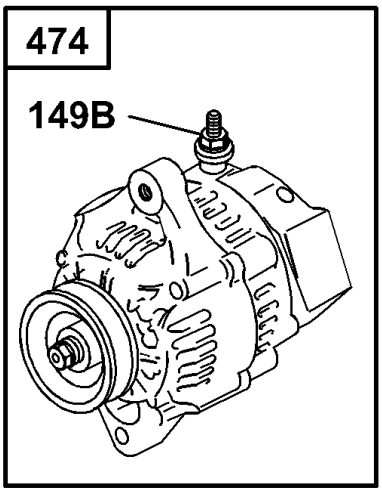
Ref	Part No.	Qty.	Description
1062	99-9163	1	Gasket-Outlet
1063	99-9164	1	Pulley-Pump
1065	99-9166	1	Gasket-Housing, Inlet
1066	99-9167	1	Housing-Inlet
1067	99-9168	1	Gasket-Pump, Water
1087	105-3832	1	Pump-Water
154D	99-9153	1	Nut-Hex, Metric
291	99-9155	1	Thermostat
323	99-8153	1	Belt-V
368	99-9157	1	Switch-Temperature, Water
38	99-9004	2	Screw-Hex
38A	99-9111	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

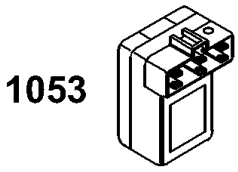


Manifold Assembly

Ref	Part No.	Qty.	Description
38	99-9004	1	Screw-Hex
50	99-9661	1	Manifold-Intake
51	99-9662	1	Gasket-Intake
38H	99-9660	3	Screw-Hex
436	99-9177	1	Manifold-Exhaust
883	99-9178	1	Gasket-Exhaust
112G	100-6407	4	Stud-Manifold, Exhaust
149B	99-9114	2	Nut-Hex, Metric
154E	99-9175	6	Nut-Hex, Metric
154F	99-9176	4	Nut-Hex
883A	99-9179	1	Gasket-Exhaust

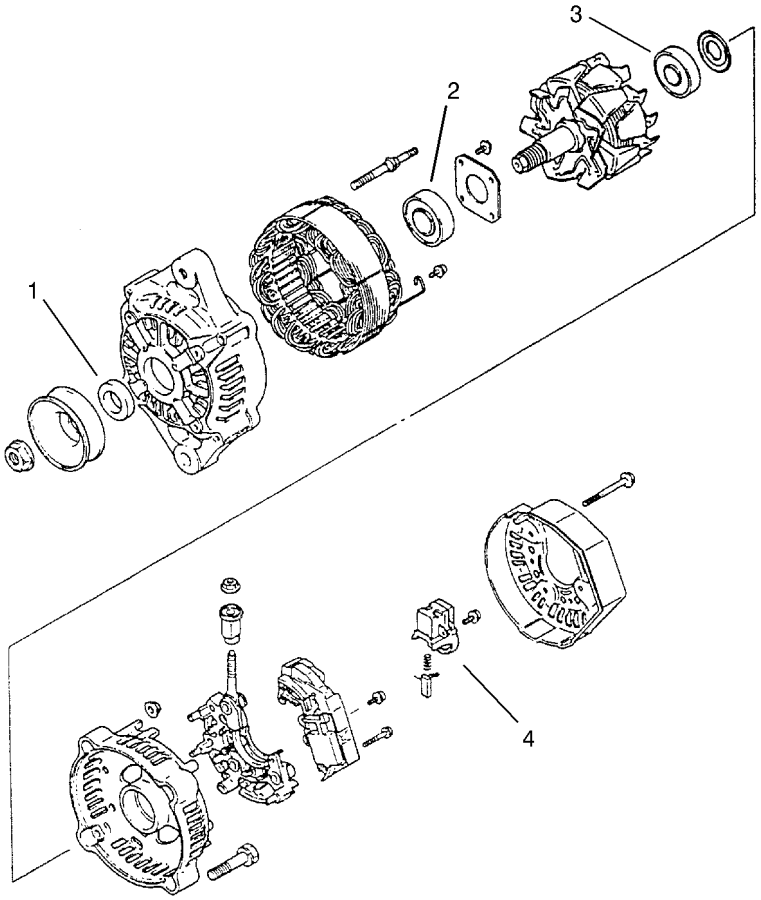






Alternator Assembly

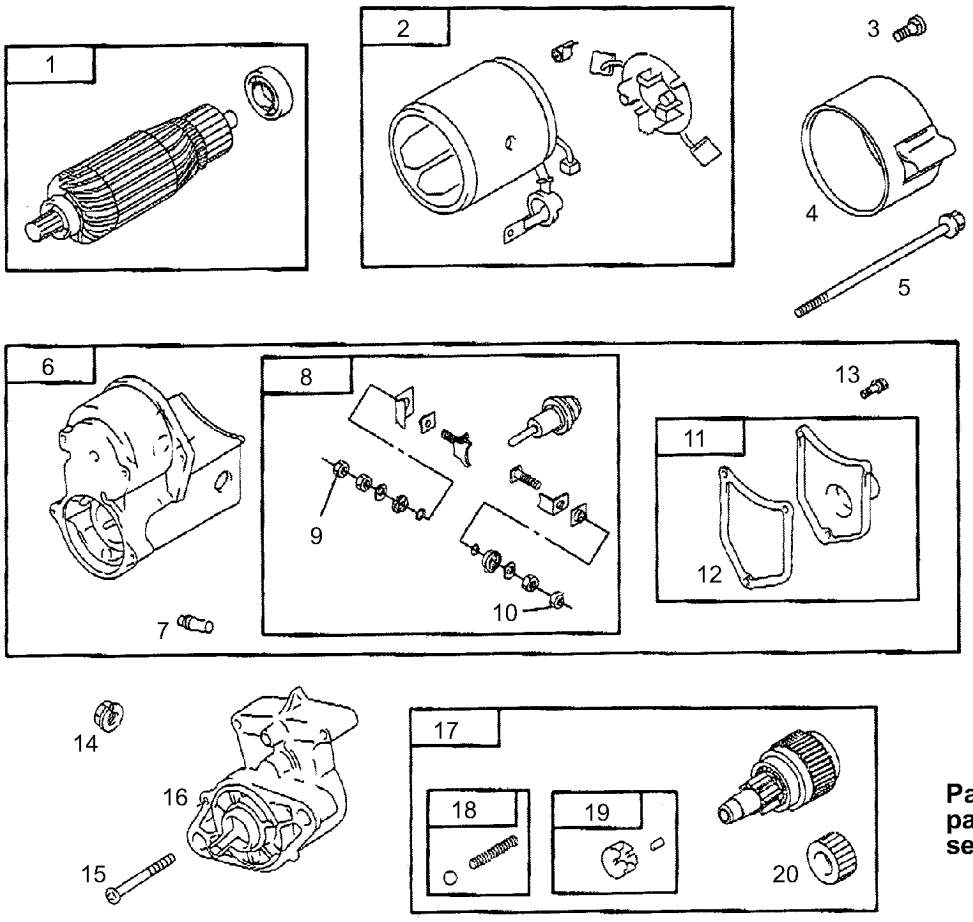
Ref	Part No.	Qty.	Description
309	104-7716	1	Motor-Starter
44D	99-9201	2	Screw-Hex
474	99-9209	1	Alternator
1053	99-9666	1	Module
149B	99-9114	1	Nut-Hex, Metric
154G	99-9206	1	Nut-Hex, Metric



Parts not listed in part list are not serviced separately

Alternator Assembly No. 99-9209

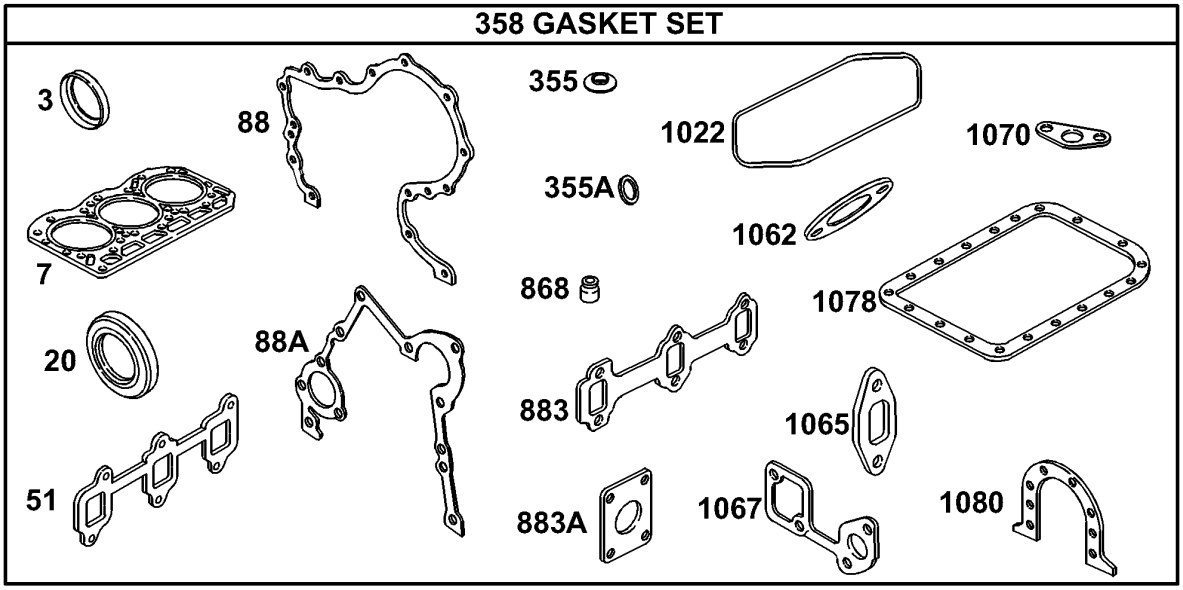
Ref	Part No.	Qty.	Description
1	100-5315	1	Collar
2	100-5316	1	Bearing
3	100-5317	1	Bearing
4	100-5318	1	Brush Holder ASM

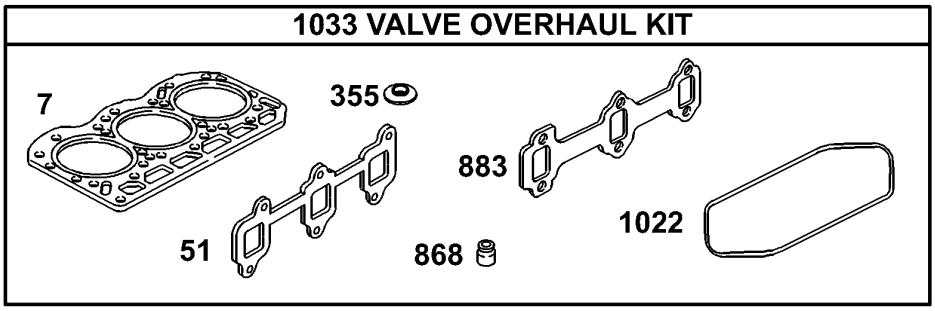


Parts not listed in part list are not serviced separately

Starter Motor Assembly No. 104-7716

Ref	Part No.	Qty.	Description
1	105-8638	1	Armature-Starter
2	105-8639	1	Housing-Starter
❷3		1	Screw
❷4		1	End Cap
❷5		1	Screw
6	105-8640	1	Solenoid-Starter
❷7		1	Vent Plug
8	105-8636	1	Plunger/terminal Kit
❷9		2	Nut
❷10		2	Nut
❷11		1	Solenoid Cover
❷12		1	Gasket-Solenoid Cover
❷13		1	Screw
❷14		1	Nut
❷15		1	Screw
❷16		1	Drive Cap
17	105-8637	1	Drive-Starter
❷18		1	Spring Detent
❷19		1	Clutch Roller
❷20		1	Starter Drive Gear





Gasket and Valve Overhaul Kit

Ref	Part No.	Qty.	Description
3	99-9003	1	Seal-Oil
7	99-9612	1	Gasket-Head, Cylinder
20	99-9126	1	Seal-Oil
51	99-9662	1	Gasket-Intake
88	99-9653	1	Gasket-Cover, Gear
355	99-9063	1	Washer-Seal
358	99-9667	1	Gasket-Set
868	99-9643	6	Seal-Valve
883	99-9178	1	Gasket-Exhaust
88A	99-9136	1	Gasket-Cover, Gear
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
355A	99-9645	1	Washer-Seal
883A	99-9179	1	Gasket-Exhaust

NOTES

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