Form No. 3361-474 Rev B

TORO®

Count on it.

Parts Catalog

Groundsmaster® 3320

Traction Unit

Model No. 30343—Serial No. 280000001 and Up

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 illustration and in parts 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.

List of Abbreviations

AR: as required

ASM: assembly

BBC: blade brake control

BHTF: button head thread forming

CARR: carriage

CCW: counter clockwise

CCW: counter clock wise

CW: clockwise

CW: clockwise

DEG: degrees

ECM: electronic control module

ECM: electronic control module

EXT: external

FH: flat head

GA: gauge

HD: heavy-duty

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

HSBH: hex socket button head

HSFH: hex socket flat head

HSH: hex socket head

HWH: hex washer head

HWHTF: hex washer head thread forming

HWHTF: hex washer head thread forming

HYD: hydraulic

LH: left hand

NI: nylon insert

NPTF: national pipe thread fine

PFH: phillips flat head

PPH: phillips pan head

PPHTF: phillips pan head thread forming

PRH: phillips round head

PTH: phillips truss head

PTO: power-take-off

RH: right hand

ROPS: roll-over protection system

RRB: rear roller brush

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

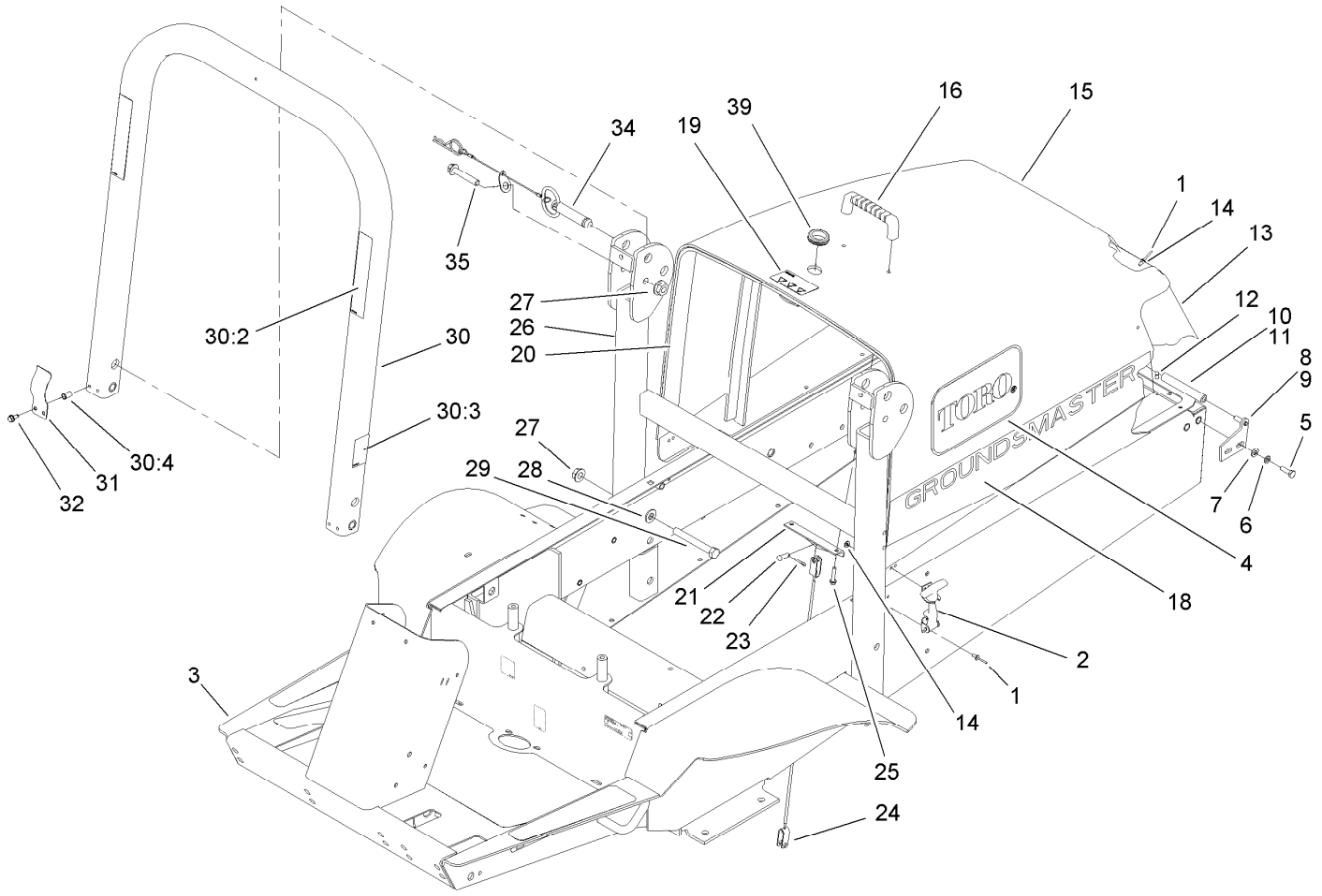
TTH: torx truss head

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Contents

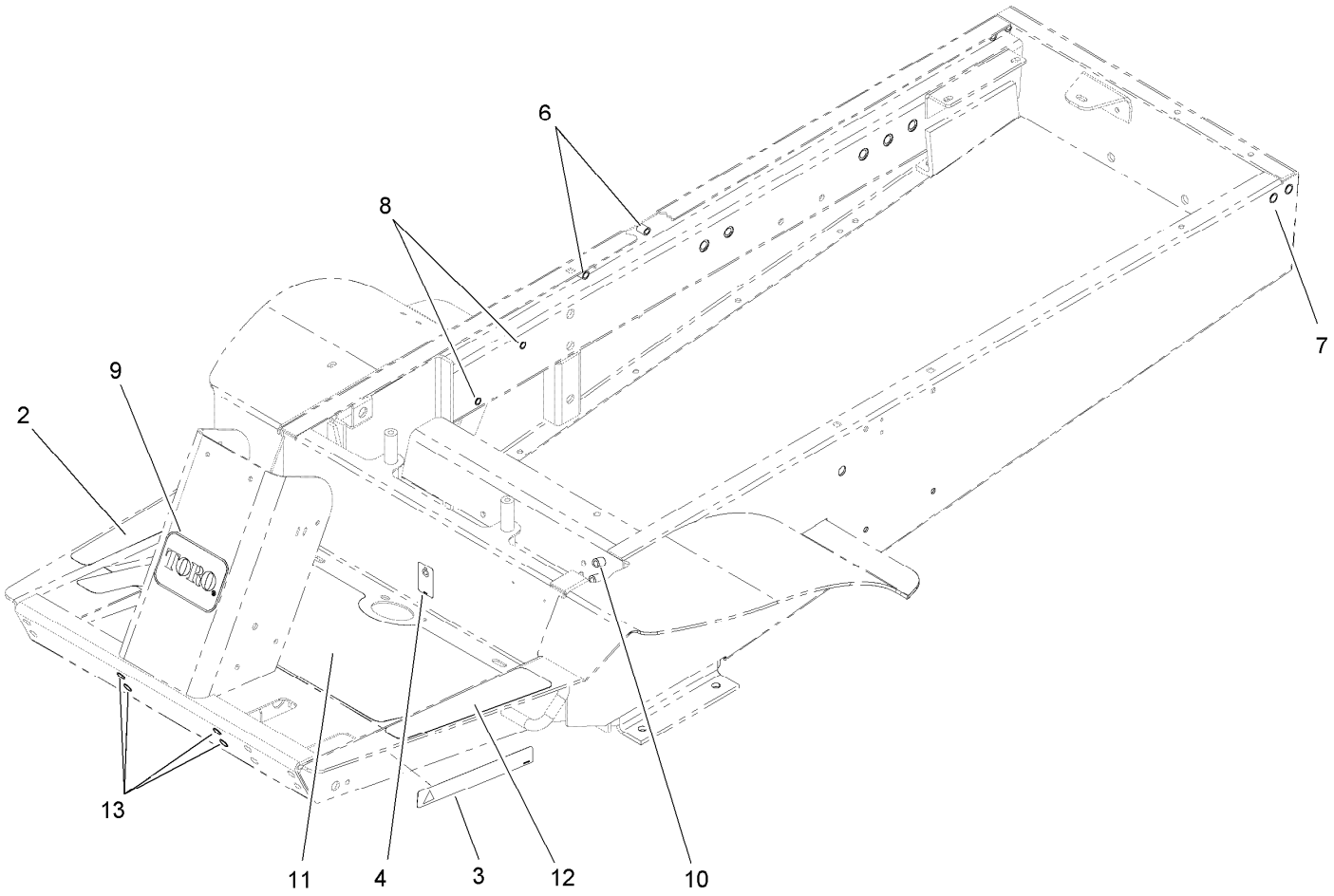
Frame and Hood Assembly 4
Frame Assembly No. 108-2010 5
Fuel Tank and Control Panel Assembly 6
Power Steering Assembly 7
Steer Valve Assembly No. 108-2077 8
Traction Pedal Assembly 9
Brake Pedal Assembly 10
Battery and Engine Mount Assembly 11
Power-Take-Off and Shaft Assembly 12
Hydraulic Cylinder and Lift Arm Assembly 13
Hydraulic Valve Assembly No. 114-2877 14
Hydraulic Manifold Assembly No. 114-2863 15
Radiator Assembly 16
Transmission Installation Assembly 17
Center Section Assembly Transmission Assembly No. 108-1355 18
Neutral Return Arm Assembly Transmission Assembly No. 108-1355 20
Fuel Delivery System Assembly 21
Lower Control Panel Assembly 22
Rear Axle and Tire Assembly 23
Rear Axle Assembly 24
Steering Cylinder Assembly No. 115-4525 25
Air Cleaner and Drive Coupling Assembly 26
Engine, Muffler and Clutch Assembly 27
Air Cleaner Assembly No. 104-3427 28
Front Axle Assembly 29
Front Axle Assembly No. 108-6599-03 30
Right and Left Hand Brake Assembly 32
Cylinder Assembly 33
Crankshaft Assembly 34
Cylinder Head Assembly 35
Intake and Exhaust Assembly 36
Carburetor Assembly 37
Rocker Arm Assembly 38
Oil Pan and Dipstick Assembly 39
Cover Assembly 40
Gears and Housing Assembly 41
Water Pump and Fan Assembly 42
Governor Assembly 43
Alternator and Starter Assembly 44
Gasket Set and Valve Overhaul Kit 45
Carburetor Kit 46
Attachments and Accessories 47



Frame and Hood Assembly

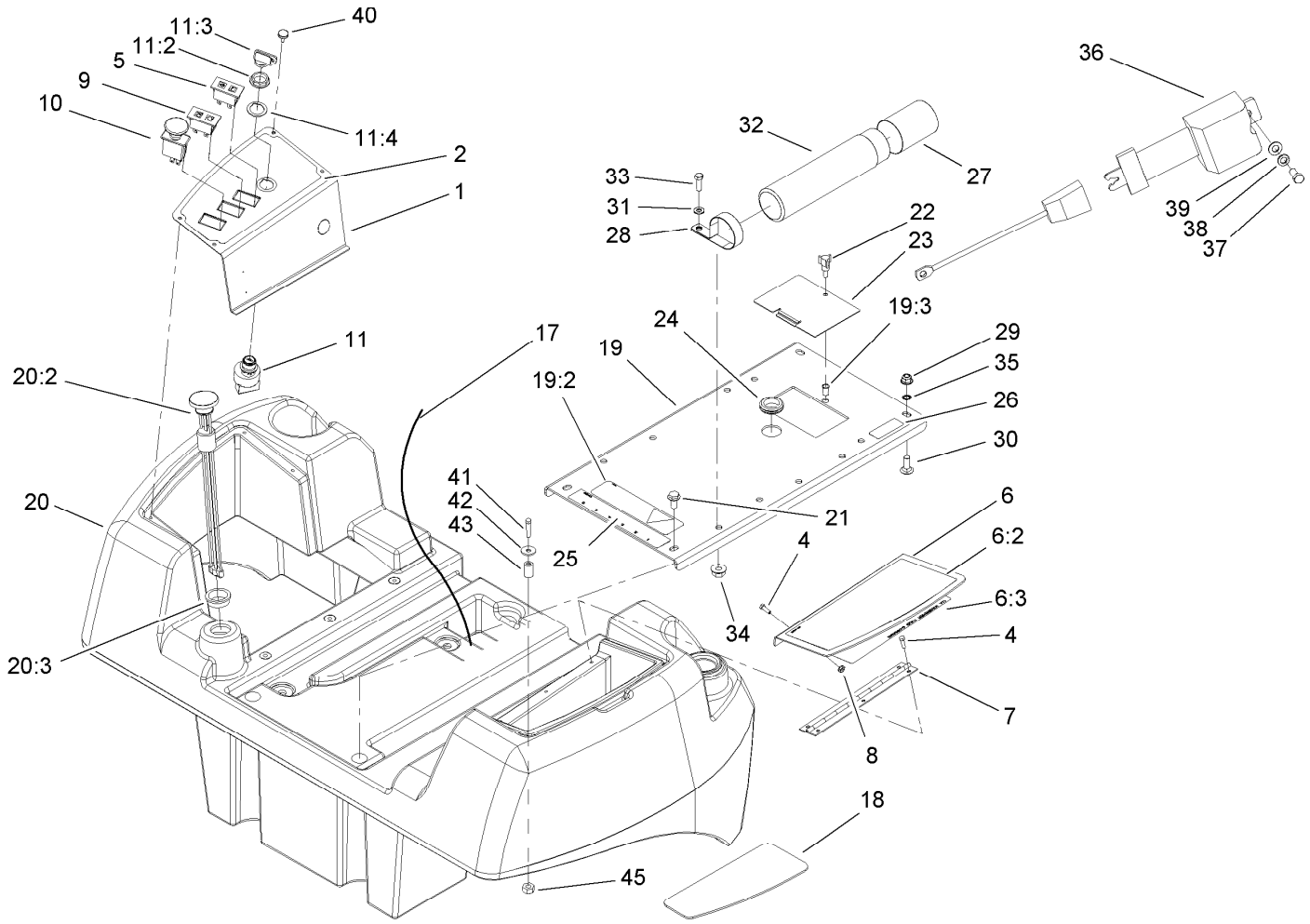
Ref.	Part Number	Qty.	Description
1	3269-4	18	Rivet-Pop
2	95-6339	2	Latch
3	108-2010	1	Frame ASM
4	66-6140	2	Decal
5	322-5	4	Screw-HH
6	3253-4	4	Washer-Lock
7	3256-23	4	Washer-Flat
8	105-0003-01	1	RH Hinge Pin ASM
9	105-0004-01	1	LH Hinge Pin ASM
10	105-4278-03	1	LH Hood Hinge ASM
11	105-4277-03	1	RH Hood Hinge ASM
12	3290-412	12	Rivet
13	105-0006-03	1	Screen-Hood
14	3256-14	14	Washer-Flat
15	119-2195	1	Hood
16	65-5100	1	Handle-Door
18	108-2069	2	Decal
19	106-6754	1	Decal-Danger
20	105-3651	1	Strip-Foam

Ref.	Part Number	Qty.	Description
21	105-0088-03	1	Bracket-Cable, Hood
22	283-58	2	Pin-Clevis
23	3272-10	2	Pin-Cotter
24	105-3650	1	Cable-Hood
25	46-8092	2	Screw-Plastite
26	110-5693-03	1	Lower ROPS ASM
27	32128-23	6	Nut-HF
28	3256-26	4	Washer-Flat
29	325-18	4	Screw-HH
30	110-5690	1	Upper ROPS ASM
30:2	108-2073	2	Decal-Warning
30:3	108-2074	1	Decal-ROPS
30:4	32148-11	4	Insert-Threaded
31	110-5696	2	Spring-Leaf
32	32144-10	4	Screw-HWH
34	103-4553	2	ROPS Fold Pin ASM
35	325-13	2	Screw-HH
39	104-1453	1	Grommet



Frame Assembly No. 108-2010

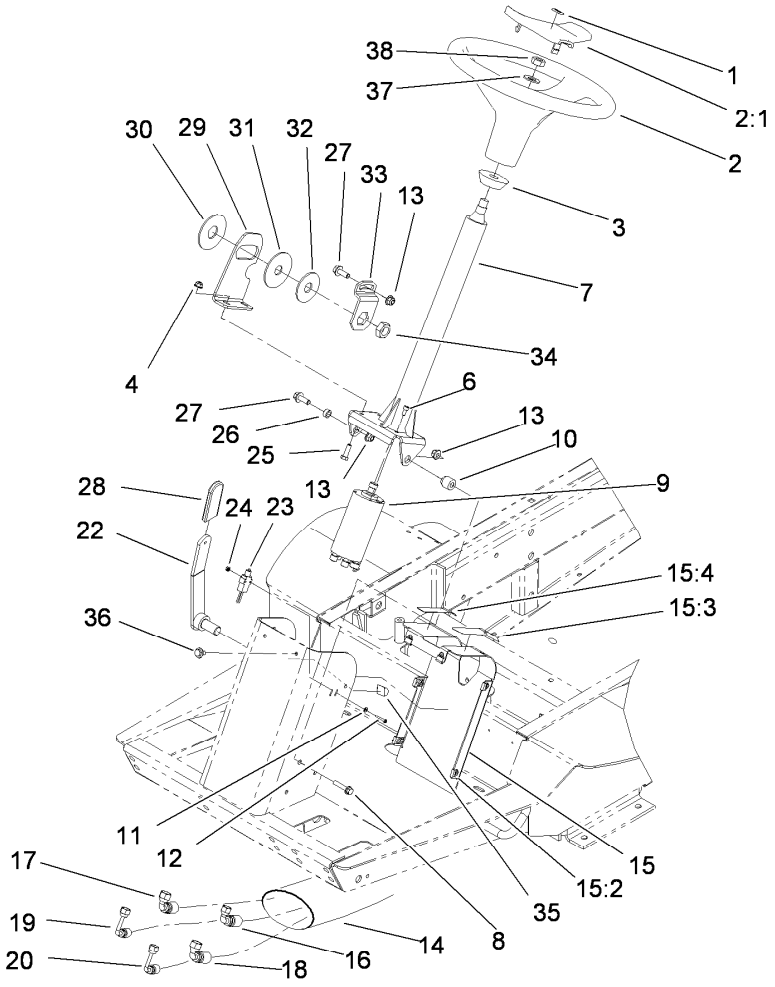
Ref.	*Part Number*	*Qty.*	*Description*
2	93-7834	1	Decal-Footrest, RH
3	106-9206	2	Decal-Torque, Wheel
4	93-6686	1	Decal-Oil, HYD
6	32148-9	2	Insert-Nut
7	32148-7	4	Nut-Insert
8	32148-11	2	Insert-Threaded
9	67-1300	1	Decal
10	32148-8	4	Insert-Threaded
11	105-7160	1	Pad-Floor
12	66-3200	1	Tread-Footrest, LH
13	32148-10	4	Insert-Nut



Fuel Tank and Control Panel Assembly

Ref.	Part Number	Qty.	Description
1	108-2017-03	1	Plate-Panel, Control
2	108-2018	1	Decal-Panel, Control
4	112-6349	6	Screw-HWH
5	100-8070	1	Lamp-Warning
6	108-6582	1	Cover ASM
6:2	114-2855	1	Decal-Danger
6:3	115-3029	1	Decal-Service,Gm3320
7	108-2024	1	Hinge
8	32149-8	3	Nut-Keps
9	100-8071	1	Lamp-Warning
10	93-9999	1	Switch-PTO
11	106-5269	1	Ignition Switch ASM
11:2	108-8660	1	Nut-Mounting
11:3	106-5270	1	Key Set-Ignition
11:4	108-8659	1	Washer-Backup
17	108-8657	1	Harness-Wire, Seat
18	108-2013	1	Pad-Rubber
19	108-6580	1	Seat Plate ASM
19:2	93-7841	1	Decal-Warning
19:3	32148-6	1	Insert-Nut
20	108-6596	1	Fuel Tank ASM
20:2	108-2025	1	Gauge-Fuel
20:3	95-8972	1	Grommet
21	3234-1	2	Screw-HHF

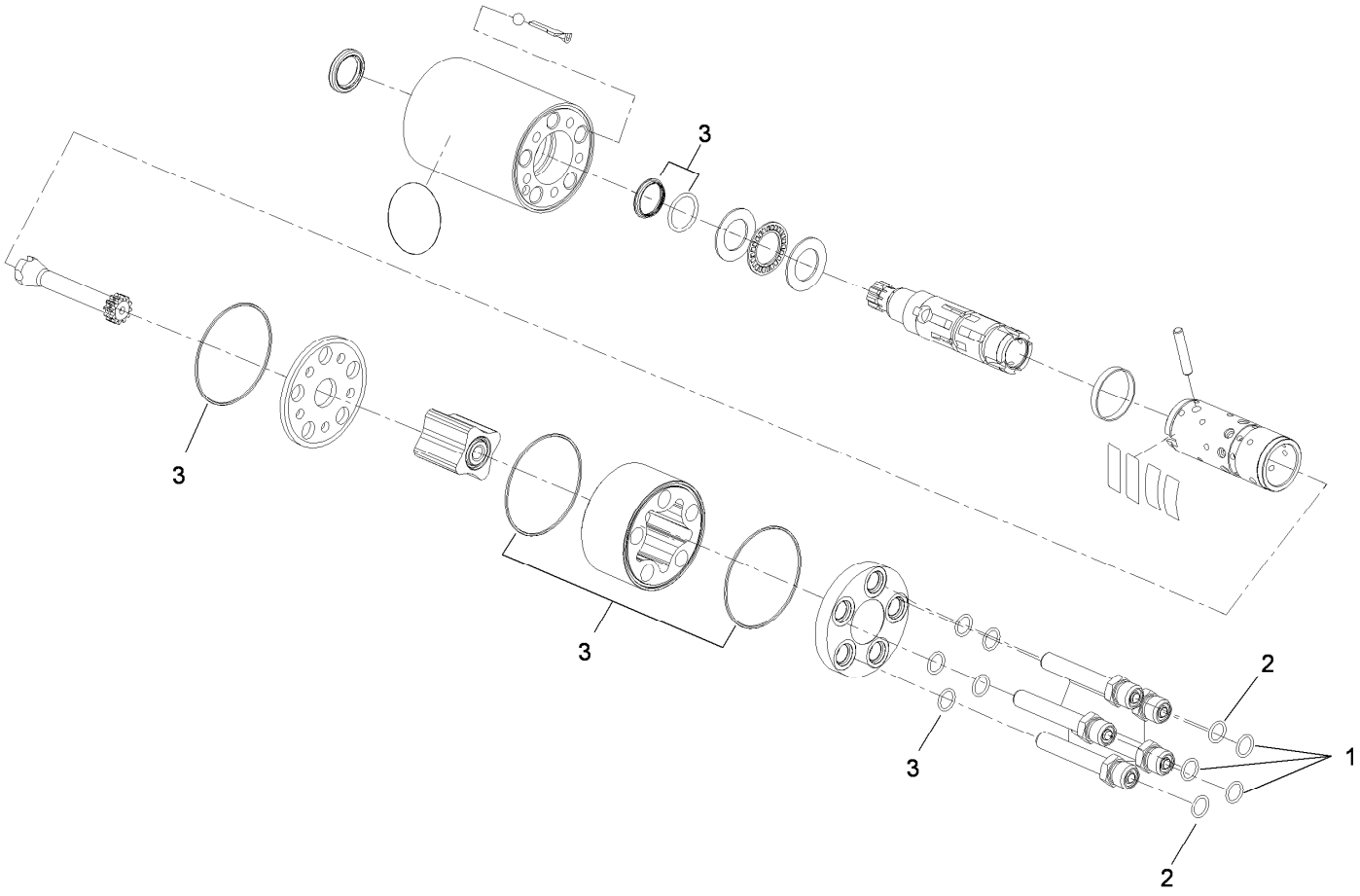
Ref.	Part Number	Qty.	Description
22	233-70	1	Knob-Star, Three
23	108-2027-03	1	Cover-Bypass
24	240-5	1	Grommet-Rubber
25	105-9584	1	Decal-Instructions, Starting
26	71-3730	1	Decal-Gas
27	104-7048	1	Cap-Housing
28	2412-133	2	R-Clamp
29	104-8301	2	Nut-Flange, NI
30	3231-2	2	Screw-CARR
31	3256-23	2	Washer-Flat
32	104-7050	1	Tube-Manual
33	322-5	2	Screw-HH
34	32128-20	2	Nut-HF
35	32151-72	2	Ring-Retaining
36	100-4928	1	Belt-Seat
37	3212-4	2	Screw-HH
38	3253-6	2	Washer-Lock
39	3256-25	2	Washer-Flat
40	108-8689	4	Screw-Thumb
41	321-9	1	Screw-HH
42	3256-55	1	Washer-Flat
43	108-9688	1	Spacer
45	3296-42	1	Nut-Lock, NI



Power Steering Assembly

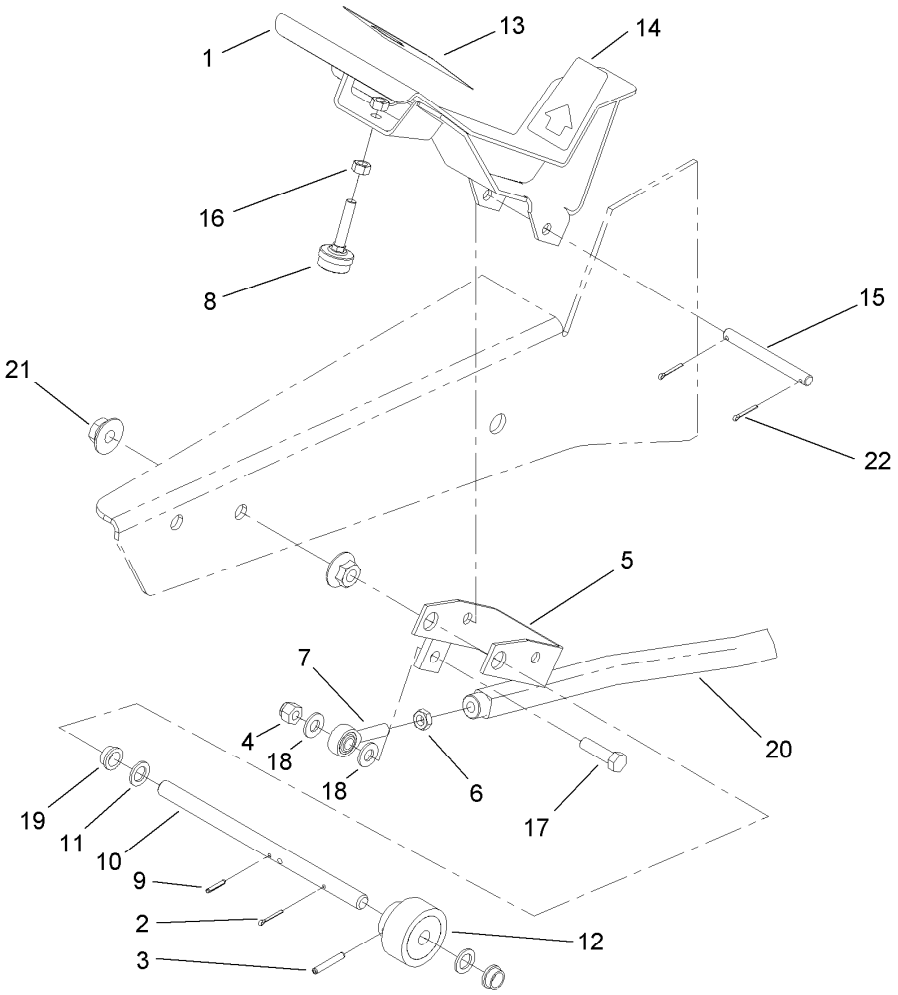
Ref.	Part Number	Qty.	Description
1	98-1459	1	Decal
2	98-1471	1	Wheel-Steering
2:1	98-1468	1	Cover-Wheel, Steering
3	21-9260	1	Cover-Dust
4	104-8300	2	Nut-Flange, NI
6	105-2409	4	Screw-HSH
7	114-2884	1	Column ASM
8	3234-18	1	Screw-HHF
9	108-2077	1	Steering Valve ASM
10	105-7166	1	Spacer
11	3256-53	2	Washer-Flat, #6
12	3250-35	2	Screw-PPH
13	104-8301	3	Nut-Flange, NI
14	44-8530	1	Protector-Sleeve
15	105-7180	1	Tower Panel ASM
15:2	105-7170	6	Nut-Retainer
15:3	105-7179	1	Decal-Brake, Parking
15:4	82-8940	1	Decal-Steering, Tilt
16	108-2089	1	Hose ASM
17	108-2081	1	Hose ASM

Ref.	Part Number	Qty.	Description
18	108-2080	1	Hose ASM
19	108-2086	1	Hose ASM
20	108-2087	1	Hose ASM
22	108-6092	1	Lever-Steering, Tilt
23	99-3410	1	Switch
24	32149-6	2	Nut-Keps
25	322-5	2	Screw-HH
26	80-2960	1	Spacer-Tower
27	3234-42	2	Screw-HHF
28	21-1880	1	Grip-Handle
29	105-7181-03	1	Plate-Pivot
30	31-0390	1	Disc-Friction
31	82-9010	1	Disc-Friction
32	80-2930	1	Washer-Flat
33	80-2880	1	Bracket-Tilt
34	3218-7	1	Nut-Jam
35	105-7188	2	Clamp-Adhesive
36	3250-32	6	Screw-PPH
37	3256-27	1	Washer-Flat
38	3296-33	1	Nut-Lock, NI



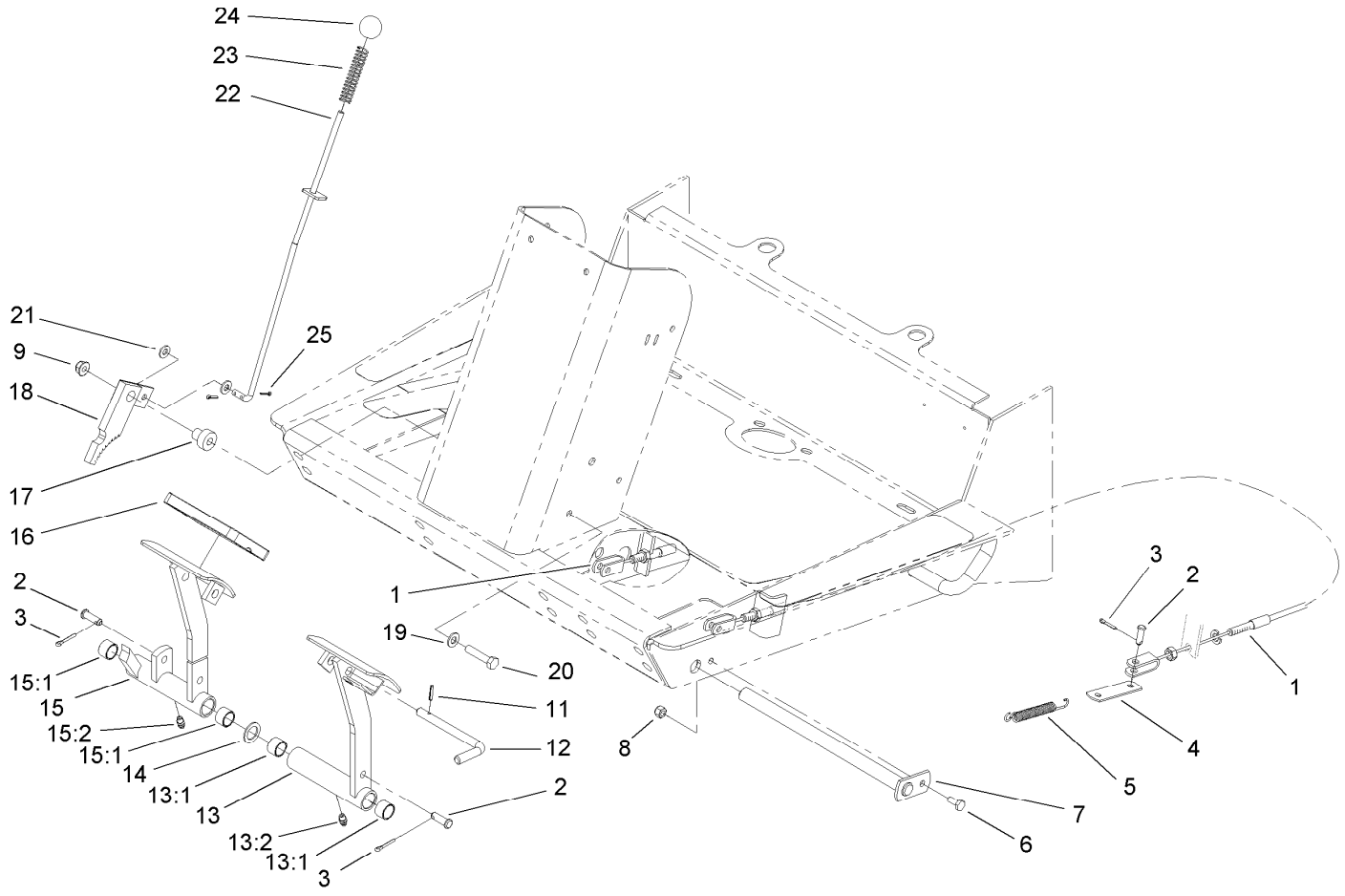
Steer Valve Assembly No. 108-2077

Ref.	*Part Number*	*Qty.*	*Description*
1	237-21	3	O-Ring
2	237-22	2	O-Ring
3	106-6716	1	Seal Kit



Traction Pedal Assembly

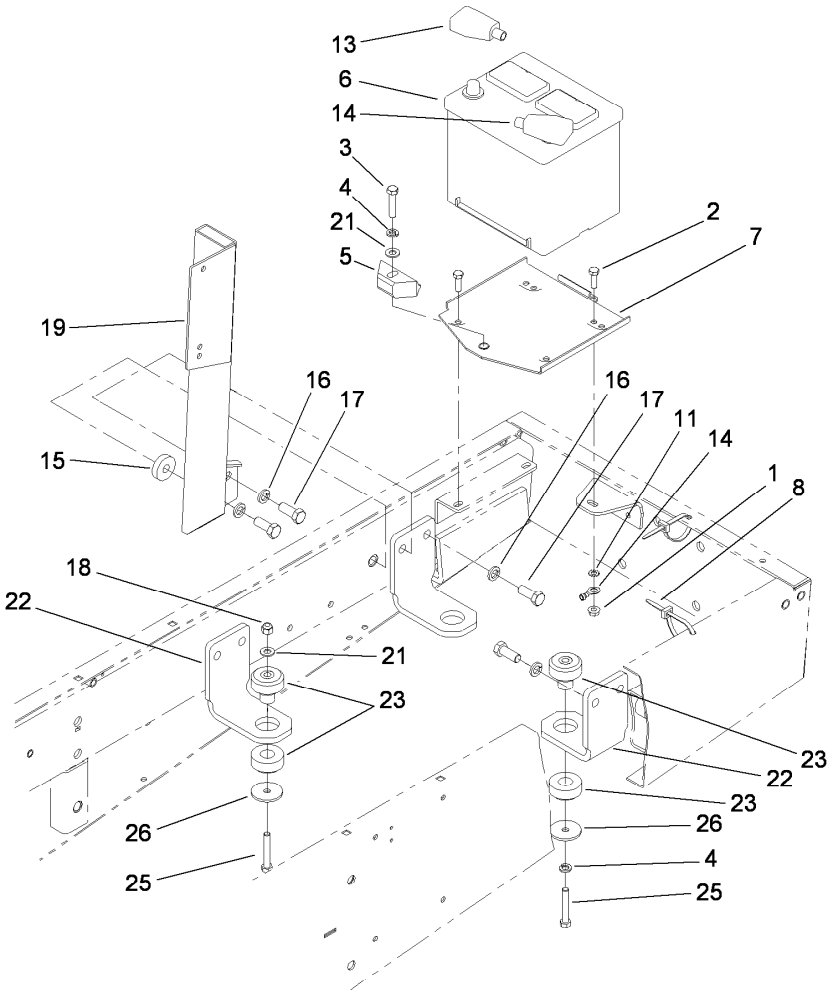
Ref.	*Part Number*	*Qty.*	*Description*
1	105-7150-03	1	Pedal ASM
2	3272-6	1	Pin-Cotter
3	32121-6	1	Pin-Roll, Slotted
4	3296-39	1	Nut-Lock, NI
5	92-8854-03	1	Pivot Bracket ASM
6	3220-3	1	Nut-HJ
7	2411-36	1	Bearing-End, Rod
8	32141-36	1	Screw-Adjustment, Level
9	32121-50	1	Pin-Spring
10	92-5534	1	Shaft-Pedal, Traction
11	5-7570	2	Washer-Flat
12	28-5220	1	Friction Wheel ASM
13	94-3307	1	Pad-Pedal, Traction
14	94-3308	1	Pad-Pedal, Traction
15	92-5537	1	Pin-Pedal, Traction
16	3217-6	2	Nut-Hex
17	323-29	1	Screw-HH
18	3256-24	2	Washer-Flat
19	256-156	2	Bushing-Flange
20	108-8661-03	1	Traction Rod ASM
21	32128-56	2	Nut-HF
22	3272-10	2	Pin-Cotter



Brake Pedal Assembly

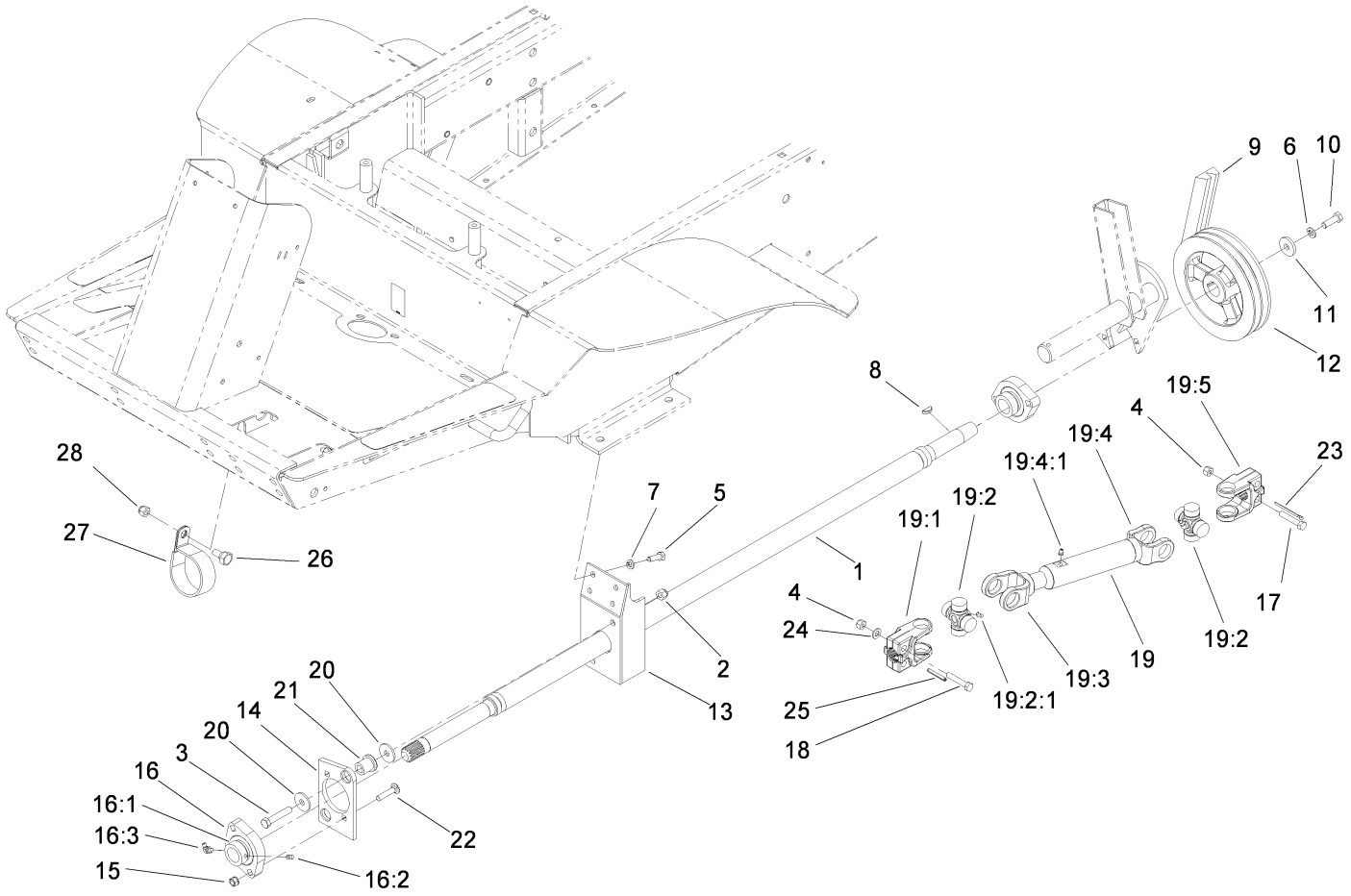
Ref.	Part Number	Qty.	Description
1	108-6556	2	Cable-Brake
2	283-58	4	Pin-Clevis
3	3272-10	4	Pin-Cotter
4	63-6750	2	Link-Cable, Brake
5	3-7243	2	Spring-Extension
6	321-4	1	Screw-HH
7	63-6210-03	1	Pin-Brake
8	3296-42	1	Nut-Lock, NI
9	104-8300	1	Nut-Flange, NI
11	32121-50	1	Pin-Spring
12	63-7880	1	Pin-Latch, Brake
13	63-6180	1	Pedal-Brake, LH
13:1	256-42	2	Bushing
13:2	302-5	1	Fitting-Grease

Ref.	Part Number	Qty.	Description
14	3256-69	2	Washer-Flat
15	63-6190	1	Pedal-Brake, RH
15:1	256-42	2	Bushing
15:2	302-5	1	Fitting-Grease
16	93-8742	2	Footpad-Brake
17	105-7156	1	Spacer
18	63-7900-03	1	Rack ASM
19	3256-23	1	Washer-Flat
20	322-7	1	Screw-HH
21	3256-22	2	Washer-Flat
22	105-7168	1	Rod ASM
23	71-8310	1	Spring-Compression
24	233-17	1	Knob
25	3272-5	2	Pin-Cotter



Battery and Engine Mount Assembly

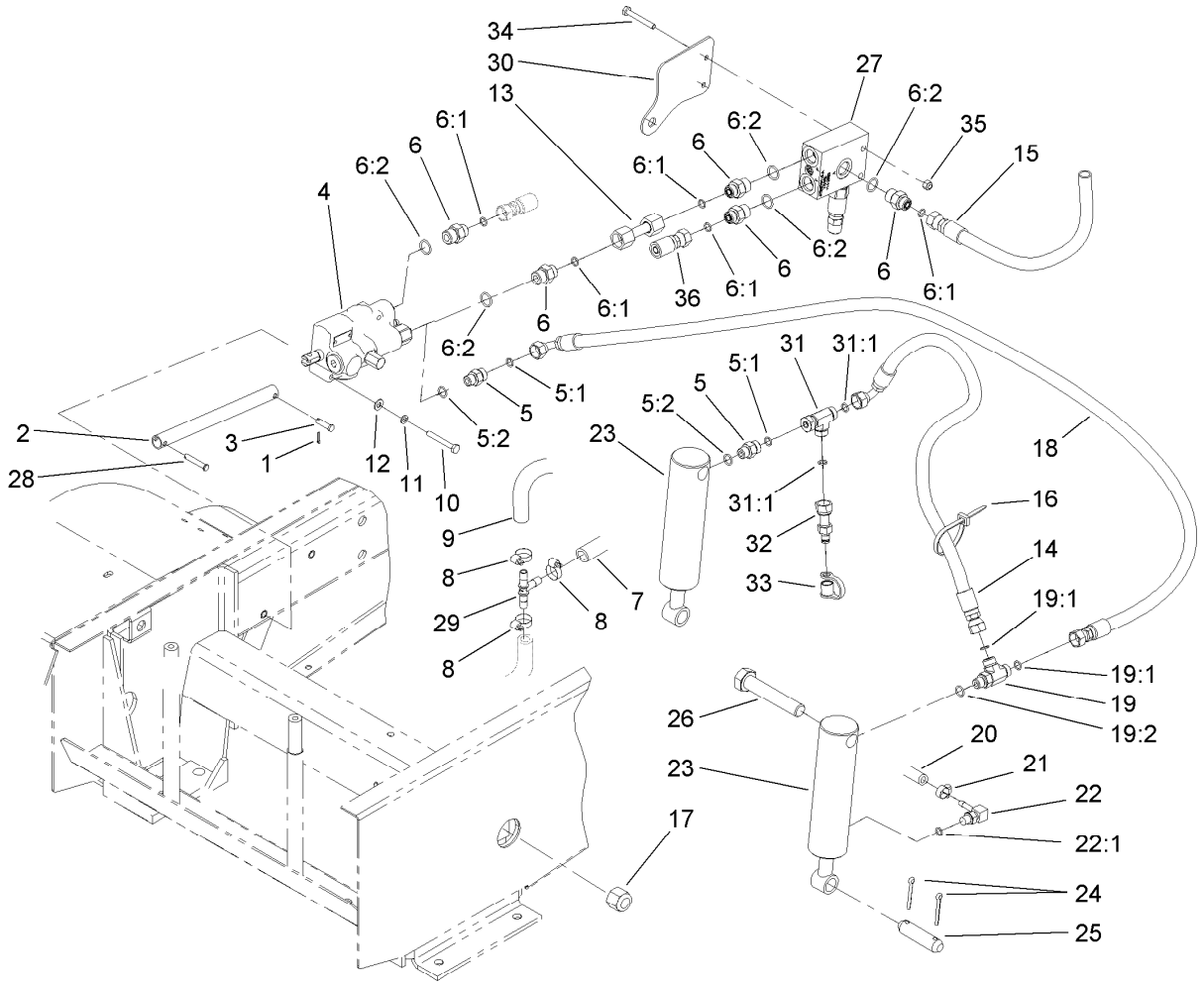
Ref.	*Part Number*	*Qty.*	*Description*
1	32128-20	3	Nut-HF
2	322-5	3	Screw-HH
3	323-9	1	Screw-HH
4	3253-21	2	Washer-Lock
5	66-2490	1	Retainer-Battery
6	106-5187	1	Battery
7	94-7343	1	Battery Base ASM
8	3290-378	2	Tie-Cable
11	3255-8	1	Washer-Lock
13	104-0086	1	Cable-Battery, Positive
14	87-3080	1	Cable-Battery, Negative
15	99-1291	1	Spacer
16	3253-7	9	Washer-Lock
17	3213-2	9	Screw-HH
18	3296-39	3	Nut-Lock, NI
19	105-2513-03	1	Air Cleaner Mount ASM
21	3256-24	4	Washer-Flat
22	114-2867-03	4	Bracket-Mount, Engine
23	115-0600	4	Mount-Engine
25	323-14	4	Screw-HH
26	63-7400	4	Washer-Rebound



Power-Take-Off and Shaft Assembly

Ref.	Part Number	Qty.	Description
1	92-8855-03	1	Shaft-PTO
2	3296-39	2	Nut-Lock, NI
3	323-10	2	Screw-HH
4	3296-29	5	Nut-Lock, NI
5	322-5	4	Screw-HH
6	3253-21	1	Washer-Lock
7	3253-4	4	Washer-Lock
8	3257-5	1	Key-Woodruff
9	63-6240	1	V-Belt
10	323-18	1	Screw-HH
11	29-4730	1	Washer-Flat
12	94-7422-03	1	Pulley-PTO
13	92-8751-03	1	PTO Bearing Bracket ASM
14	84-7580	1	Plate-Support, Bushing
15	32149-1	2	Nut-Keps
16	92-8799	1	Bearing-Flange
16:1	251-77	1	Collar-Lock, Bearing
16:2	3245-35	1	Screw-Set
16:3	302-40	1	Fitting-Grease

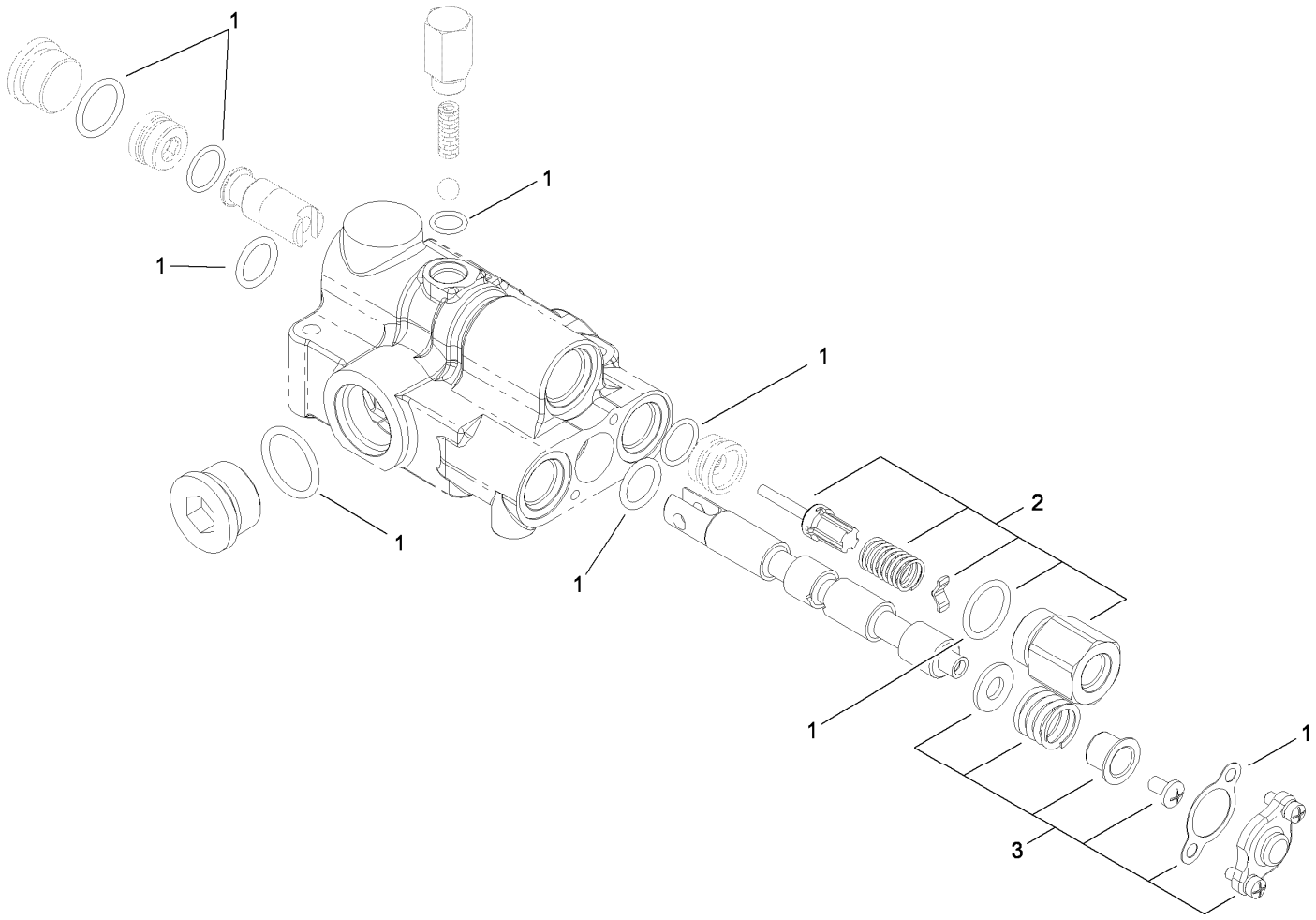
Ref.	Part Number	Qty.	Description
17	322-9	4	Screw-HH
18	322-14	1	Screw-HH
19	108-1366	1	PTO Drive Shaft ASM
19:1	54-9040	1	Yoke-End
19:2	54-9180	2	U-Joint Kit
19:2:1	62-3820	1	Fitting-Grease
19:3	108-6550	1	Shaft-Yoke, Slip
19:4	108-6551	1	Tube-Yoke, Slip
19:4:1	302-58	1	Fitting-Straight
19:5	54-9090	1	Yoke-End
20	63-8410	4	Washer
21	63-9750	2	Mount
22	3230-4	2	Screw-CARR
23	3272-15	1	Pin-Cotter
24	3256-23	1	Washer-Flat
25	32121-34	1	Pin-Roll
26	46-3380	1	Bolt-Shoulder
27	2412-102	1	Clamp-R
28	3296-39	1	Nut-Lock, NI



Hydraulic Cylinder and Lift Arm Assembly

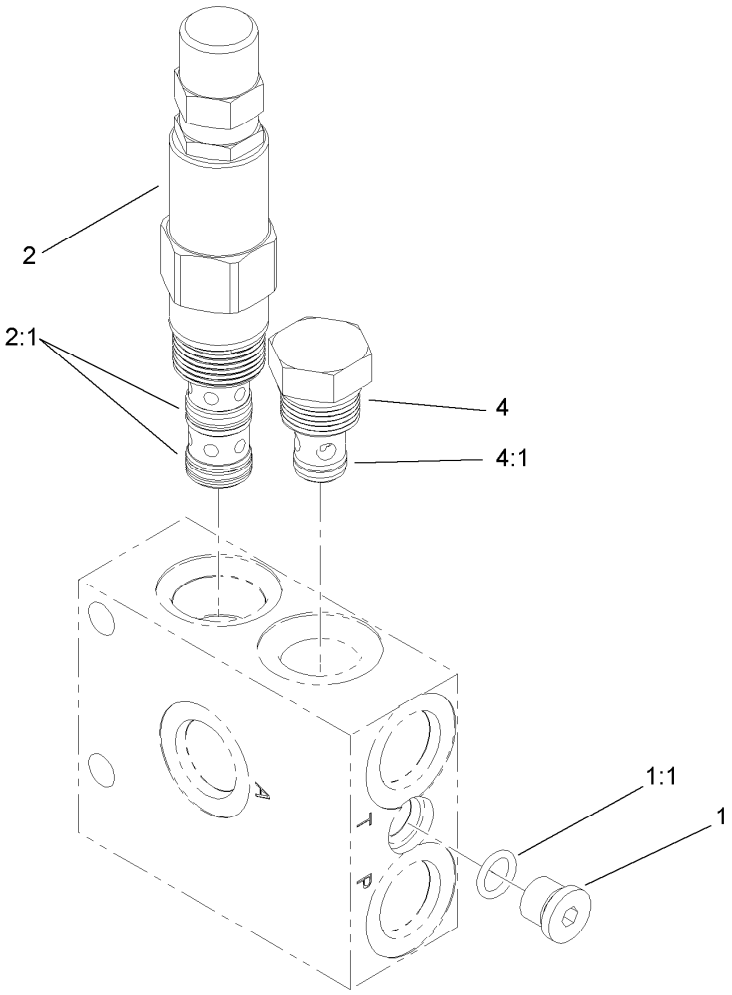
Ref.	Part Number	Qty.	Description
1	3272-5	2	Pin-Cotter
2	108-2021-03	1	Tube-Link
3	283-26	1	Pin
4	114-2877	1	Valve ASM
5	340-2	2	Fitting-HYD, Straight
5:1	237-22	1	O-Ring
5:2	237-42	1	O-Ring
6	340-3	5	Adapter
6:1	237-22	1	O-Ring
6:2	237-79	1	O-Ring
7	66-8500	1	HYD Hose ASM
8	2412-36	3	Clamp-Hose
9	100-5649	1	Hose
10	321-18	2	Screw-HH
11	3253-3	2	Washer-Lock
12	3256-22	2	Washer-Flat
13	114-2869	1	HYD Tube ASM
14	108-2083	1	Hose ASM
15	108-2097	1	Hose ASM
16	3290-378	2	Tie-Cable
17	3296-51	2	Nut-Lock, NI
18	108-2082	1	Hose ASM

Ref.	Part Number	Qty.	Description
19	340-86	1	Fitting-Tee
19:1	237-22	2	O-Ring
19:2	237-42	1	O-Ring
20	92-5082	2	Hose-HYD
21	2412-108	2	Clamp-Worm
22	304-99	2	Stem-Hose
22:1	237-78	1	O-Ring
23	63-6630	2	Cylinder-HYD
24	3272-23	4	Pin-Cotter
25	27-4240	2	Pin-Cylinder
26	328-7	2	Screw-HH
27	114-2863	1	Manifold ASM
28	283-66	1	Pin-Clevis
29	354-107	1	Fitting-HYD, Tee
30	114-2870-03	1	Bracket-Mounting
31	340-115	1	Fitting-Tee
31:1	237-22	2	O-Ring
32	86-5480	1	Nipple-Test
33	354-79	1	Cap-Dust
34	321-11	2	Screw-HH
35	32128-33	2	Nut-HF
36	100-5589	1	Hose ASM



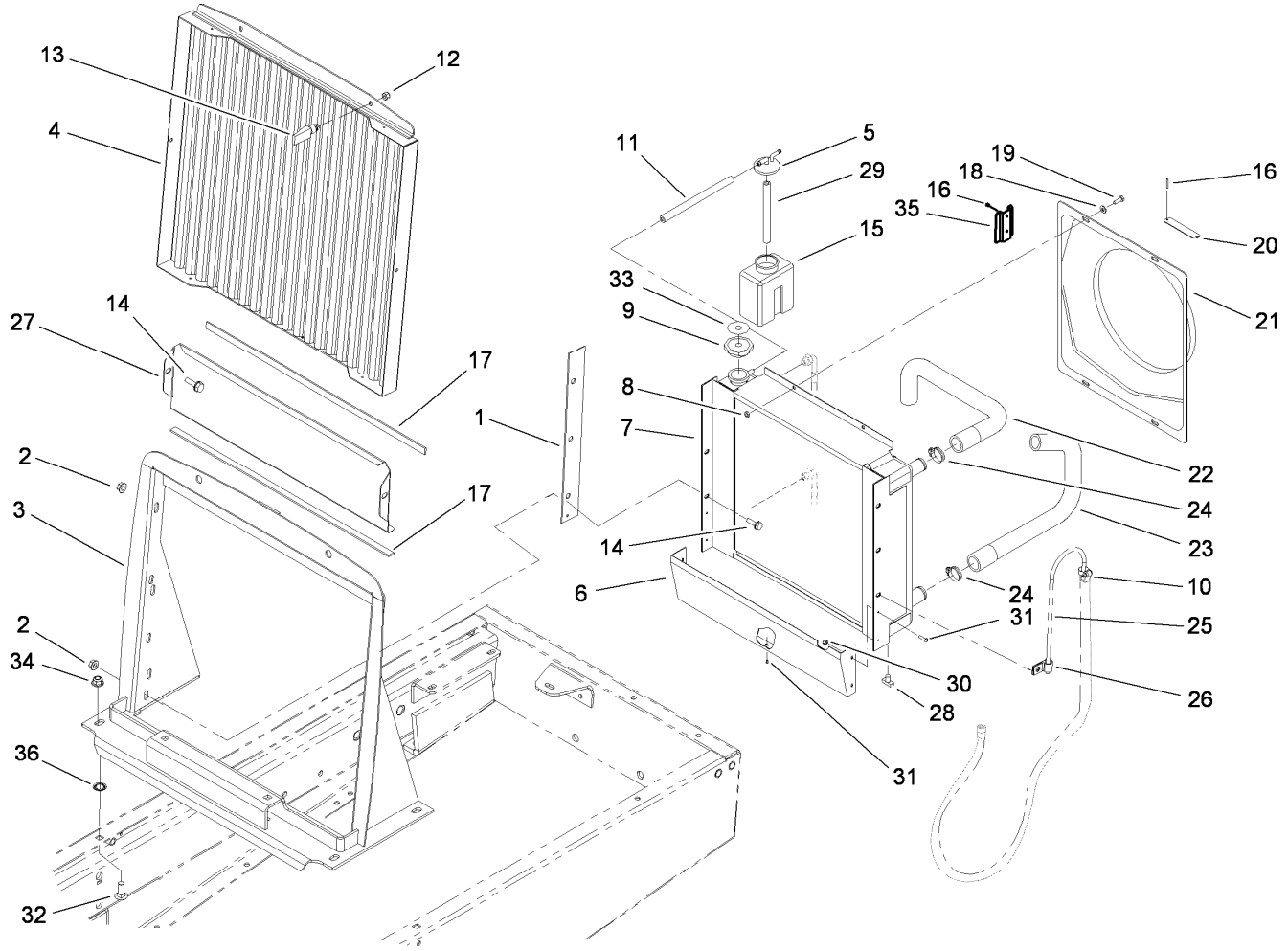
Hydraulic Valve Assembly No. 114-2877

Ref.	*Part Number*	*Qty.*	*Description*
1	110-6442	1	Seal Kit
2	110-6441	1	Pilot Check Kit
3	114-2889	1	Spring Center Kit



Hydraulic Manifold Assembly No. 114-2863

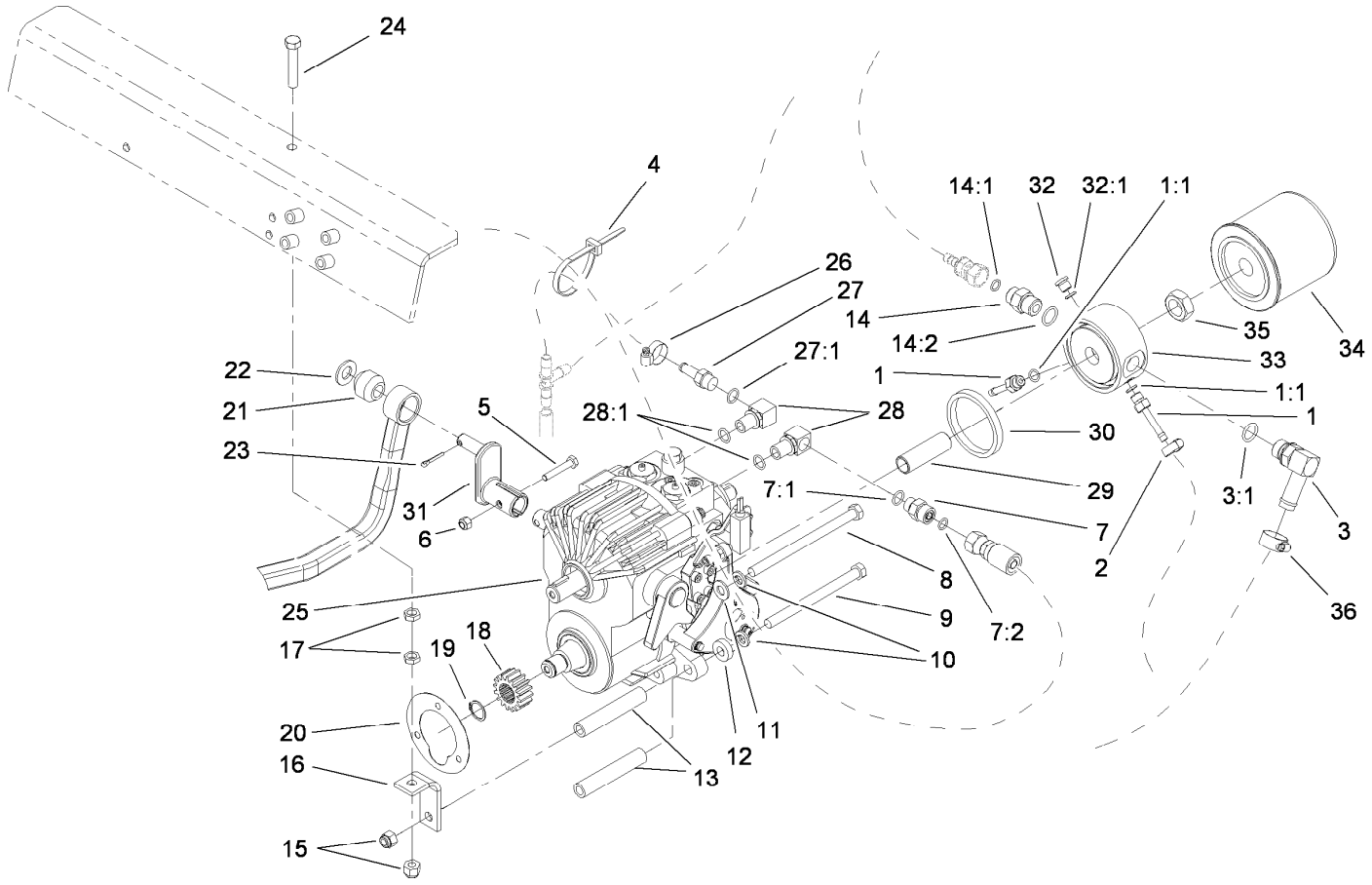
Ref.	*Part Number*	*Qty.*	*Description*
1	353-990	1	Plug
1:1	237-78	1	O-Ring
2	114-2888	1	Valve-Logic, Adjustable
2:1	107-7813	1	Seal Kit
4	114-2873	1	Check Valve
4:1	105-9156	1	Seal Kit



Radiator Assembly

Ref.	Part Number	Qty.	Description
1	108-2096-03	1	Shim-Radiator
2	32128-20	8	Nut-HF
3	110-9668-03	1	Radiator Support ASM
4	108-2062-03	1	Screen ASM
5	99-9171	1	Cap-Surge, Tank
6	110-9664-03	1	Shield-Radiator, Bottom
7	63-6150	1	Radiator ASM
8	3296-42	4	Nut-Lock, NI
9	66-3240	1	Cap-Radiator
10	2412-108	1	Clamp-Worm
11	110-4104	1	Hose-Fuel
12	1-804254	2	Nut
13	74-5950	2	Latch-Swell
14	3234-5	8	Screw-HHF
15	99-9154	1	Tank-Reserve
16	3290-55	4	Rivet-Pop
17	108-1393	2	Strip-Foam
18	3256-22	4	Washer-Flat

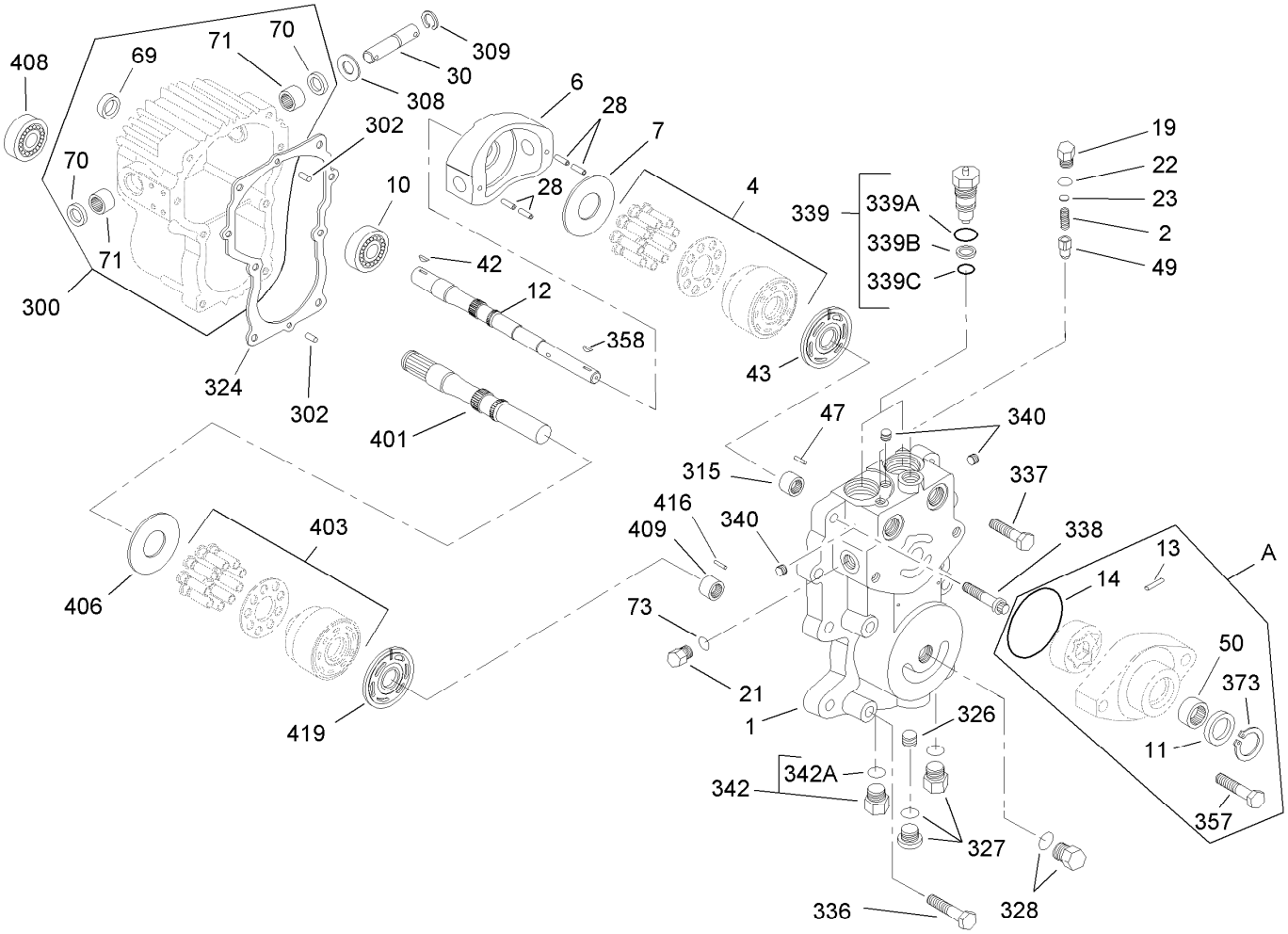
Ref.	Part Number	Qty.	Description
19	321-4	4	Screw-HH
20	76-8750	1	Plate-Warning
21	94-6750	1	Shroud-Fan
22	94-6756	1	Hose-Radiator
23	94-7421	1	Hose-Radiator, Lower
24	2412-34	4	Clamp-Hose
25	66-3180	1	Tube-Vent
26	2412-103	2	Clamp
27	108-2037-03	1	Cover-Intake
28	304-46	1	Draincock
29	109-0310	1	Hose-Fuel
30	3269-10	2	Washer-Back
31	3269-13	5	Rivet-Pop
32	3231-2	4	Screw-CARR
33	106-5976	1	Decal-Warning
34	104-8301	4	Nut-Flange, NI
35	94-7337	1	Bracket-Bottle, Overflow
36	32151-72	4	Ring-Retaining



Transmission Installation Assembly

Ref.	Part Number	Qty.	Description
1	92-5512	2	Fitting-Hose, Barbed
1:1	237-78	1	O-Ring
2	2412-108	2	Clamp-Worm
3	92-5086	1	Fitting-Elbow, 90 DEG
3:1	237-79	1	O-Ring
4	3290-378	2	Tie-Cable
5	321-9	1	Screw-HH
6	3296-42	1	Nut-Lock, NI
7	82-8530	1	Fitting-Straight
7:1	237-42	1	O-Ring
7:2	237-22	1	O-Ring
8	27-9620	1	Screw-HH
9	323-39	3	Screw-HH
10	3253-21	4	Washer-Lock
11	3256-24	1	Washer-Flat
12	5-0652	1	Spacer
13	27-3680	4	Spacer-Mounting
14	340-3	1	Adapter
14:1	237-22	1	O-Ring
14:2	237-79	1	O-Ring
15	3296-39	2	Nut-Lock, NI
16	63-7170	1	Anchor-Transmission
17	3218-3	2	Nut-Jam

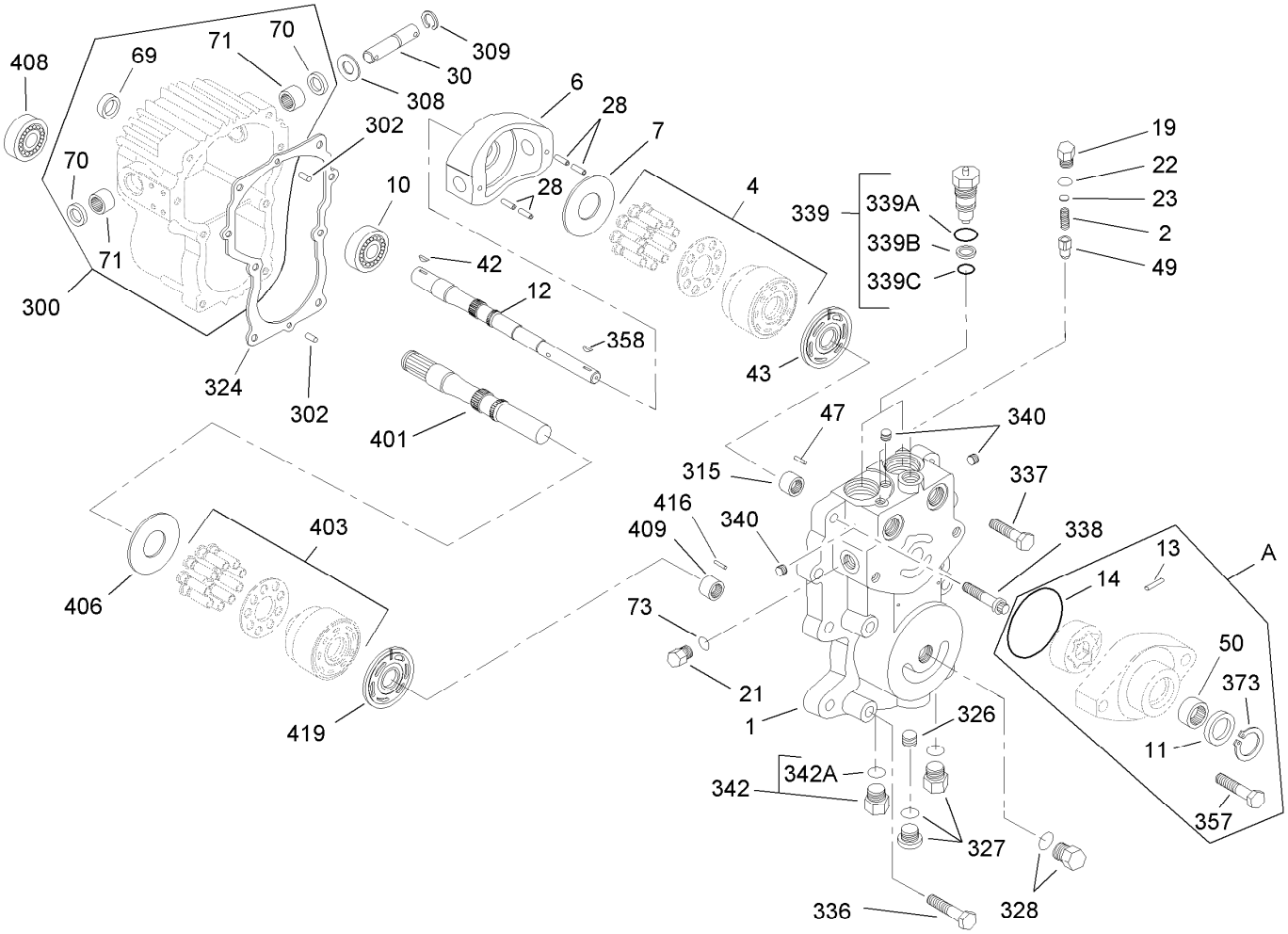
Ref.	Part Number	Qty.	Description
18	86-7220	1	Gear-Pinion
19	32120-72	1	Ring-Snap
20	27-3690	1	Gasket-Transmission
21	23-2270	1	Bushing-Rubber
22	3256-26	1	Washer-Flat
23	3272-10	1	Pin-Cotter
24	67-1900	1	Screw-HH
25	108-1355	1	Transmission ASM
26	2412-36	1	Clamp-Hose
27	353-979	1	Fitting-Straight
27:1	237-42	1	O-Ring
28	66-3110	2	Fitting-HYD, 90 DEG
28:1	237-42	1	O-Ring
29	92-5085	1	Union-Filter
30	92-5087	1	Seal-Adaptor, Filter
31	112-5098	1	Pump Lever
32	353-990	1	Plug
32:1	237-78	1	O-Ring
33	92-5076	1	Adapter-Filter
34	23-2300	1	Filter-Oil, Transmission
35	3220-7	1	Nut-Jam
36	2412-119	1	Clamp-Worm



Center Section Assembly
Transmission Assembly No. 108-1355

Ref.	Part Number	Qty.	Description
A	38-2670	1	Charge Pump Kit
1	92-5716	1	Section-Center
2	46-7310	1	Spring
4	48-1800	1	Cylinder Block Kit
6	25-2450	1	Plate-Swash, Variable
7	25-2380	1	Plate-Thrust
10	251-8	1	Bearing-Ball
11	94-2975	1	Seal-Shaft
12	28-3640	1	Shaft-Pump
13	38-2680	1	Pin
14	28-3520	1	O-Ring
19	25-2460	1	Plug-HH
21	25-2460	1	Plug-HH
22	28-3400	1	O-Ring
23	25-2470	1	Pack-Shim
28	83-3880	4	Pin-Spring
30	28-3670	1	Shaft-Trunnion
42	3257-5	1	Key-Woodruff
43	110-3051	1	Plate-Valve
47	25-2430	1	Pin-Dowel
49	67-8070	1	Cone-Relief, Charge
50	28-3480	1	Bearing
69	93-4133	1	Seal-Lip
70	103461	2	Seal
71	252-82	2	Bearing-Needle
73	28-3400	1	O-Ring

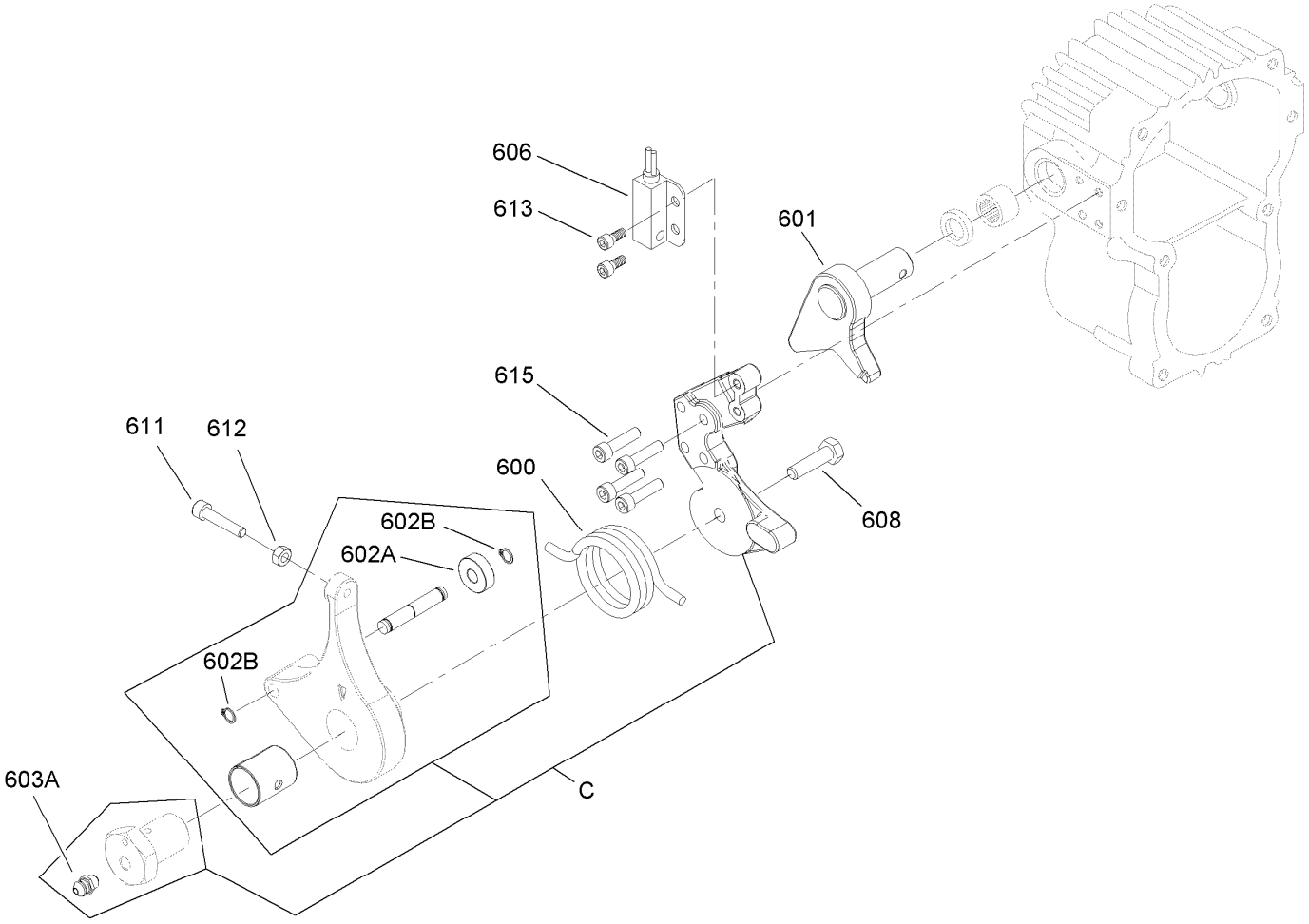
Ref.	Part Number	Qty.	Description
300	110-3052	1	Housing ASM
302	353-599	2	Pin-Dowel
308	25-2510	1	Washer-Flat
309	32151-46	1	Ring-Retaining
315	25-3300	1	Bearing-Needle
324	28-3340	1	Gasket
326	107-4370	1	Plug-Expansion
327	67-9090	1	Plug ASM
328	28-3440	1	Plug-Threaded
336	323-10	4	Screw-HH
337	75-0110	2	Capscrew-HH
338	28-3530	2	Capscrew
339	49-7830	2	Check Valve Kit
340	75-0160	4	Plug-Pipe
342	28-3440	2	Plug-Threaded
357	92-1773	2	Screw-HHF
358	3257-5	1	Key-Woodruff
373	94-2976	1	Ring-Retaining
401	49-8200	1	Shaft-Motor
403	48-1800	1	Cylinder Block Kit
406	25-2380	1	Plate-Thrust
408	28-3300	1	Bearing-Roller
409	25-3300	1	Bearing-Needle
416	25-2430	1	Pin-Dowel
419	28-3380	1	Plate-Valve, Motor
339A	28-3570	2	O-Ring



Center Section Assembly
Transmission Assembly No. 108-1355 (continued)

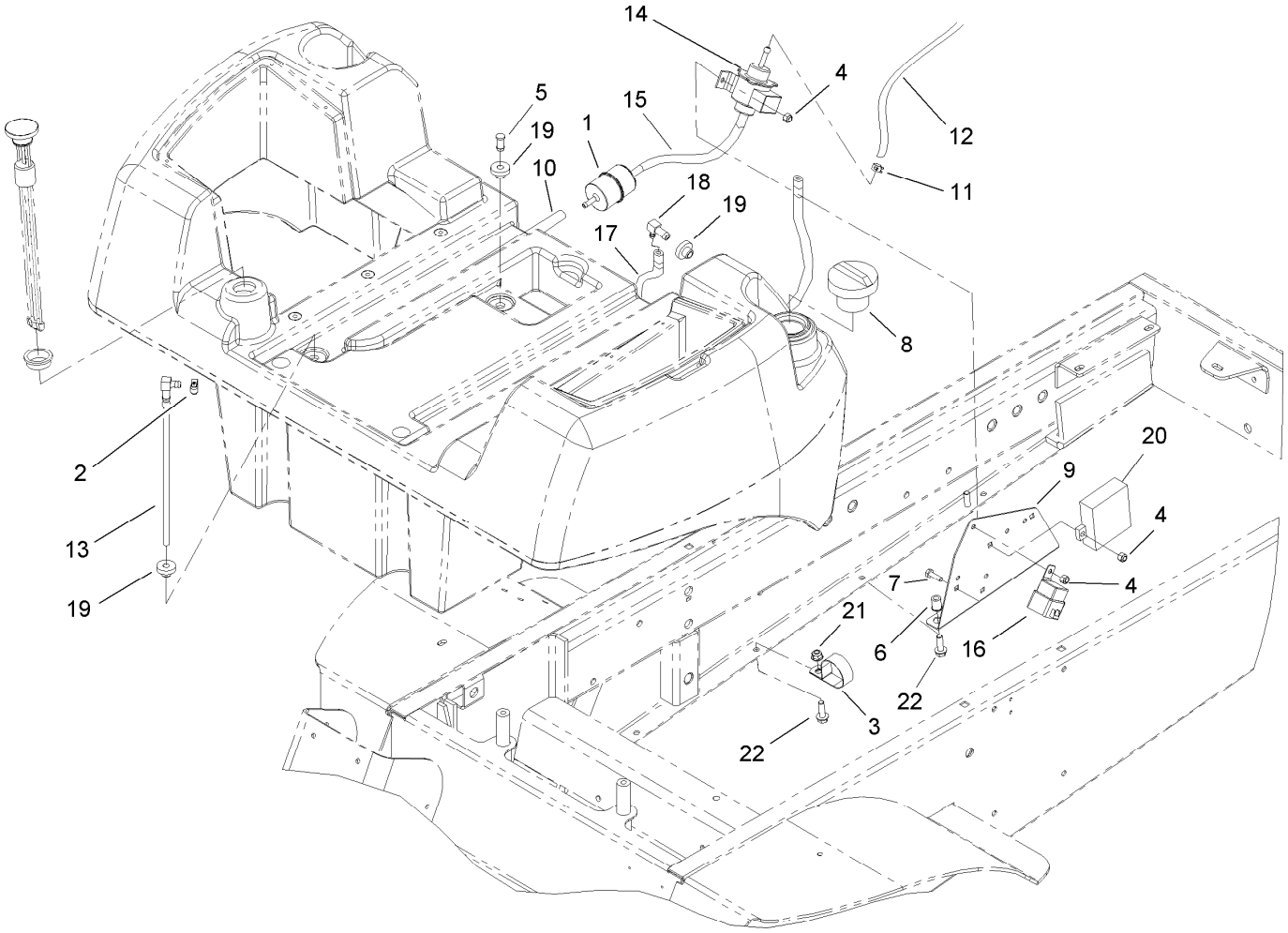
Ref.	Part Number	Qty.	Description
339B	28-3580	2	Ring-Back Up

Ref.	Part Number	Qty.	Description
339C	28-3590	2	O-Ring
342A	75-0240	2	O-Ring



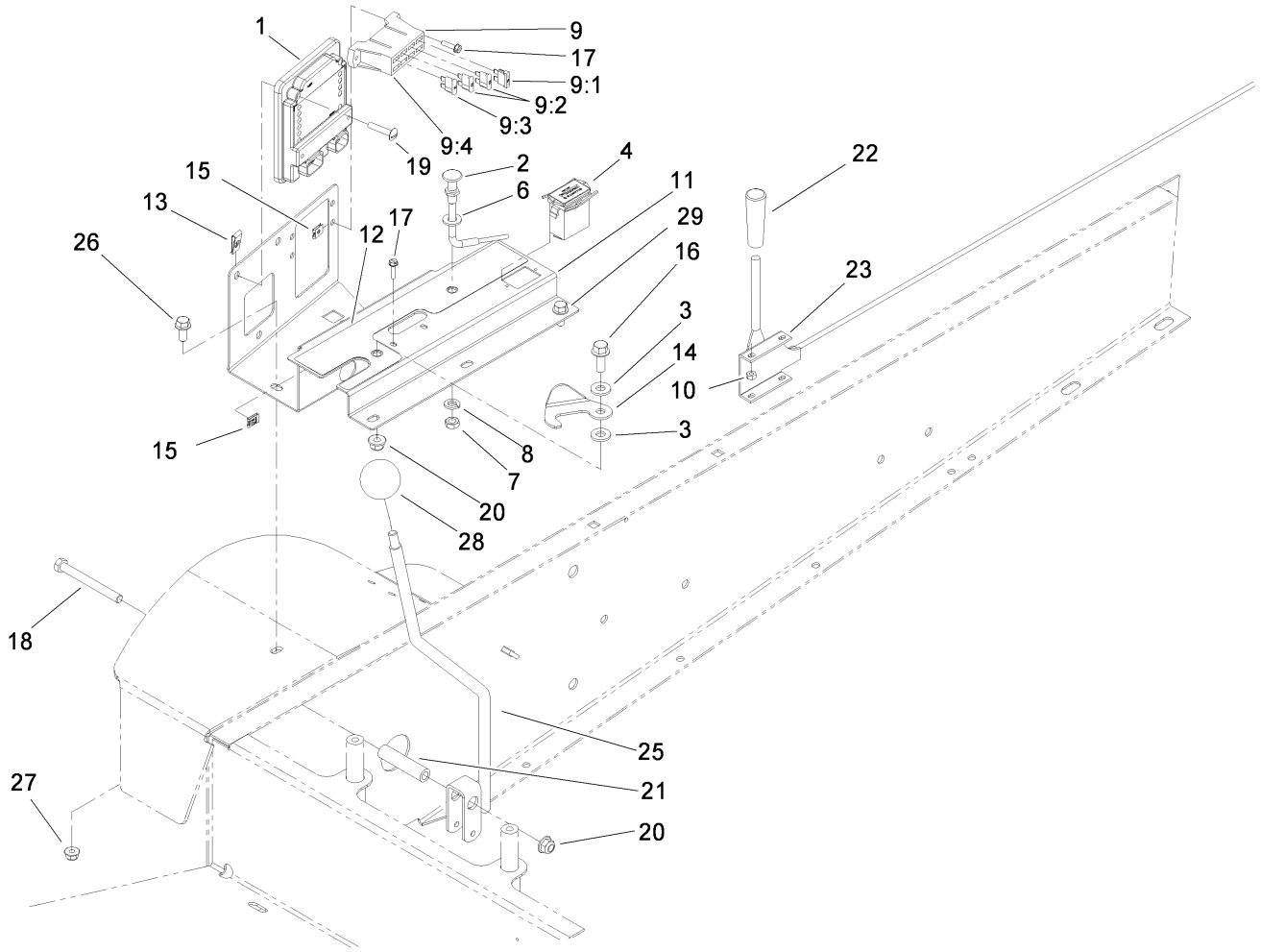
Neutral Return Arm Assembly
Transmission Assembly No. 108-1355

Ref.	*Part Number*	*Qty.*	*Description*
C	110-5685	1	Neutral Return ASM
600	110-3053	1	Spring-Return, Neutral
601	110-3054	1	Cam-Trunnion
606	100-1270	1	Switch-Proximity
608	33114-030	1	Screw-HH
611	110-3060	1	Screw-HSH
612	33013-00	1	Nut-Hex
613	110-3061	2	Screw-HSH
615	48-7850	4	Capscrew
602A	251-259	1	Bearing-Ball
602B	110-3056	2	Ring-Retaining
603A	110-3058	1	Fitting-Lube



Fuel Delivery System Assembly

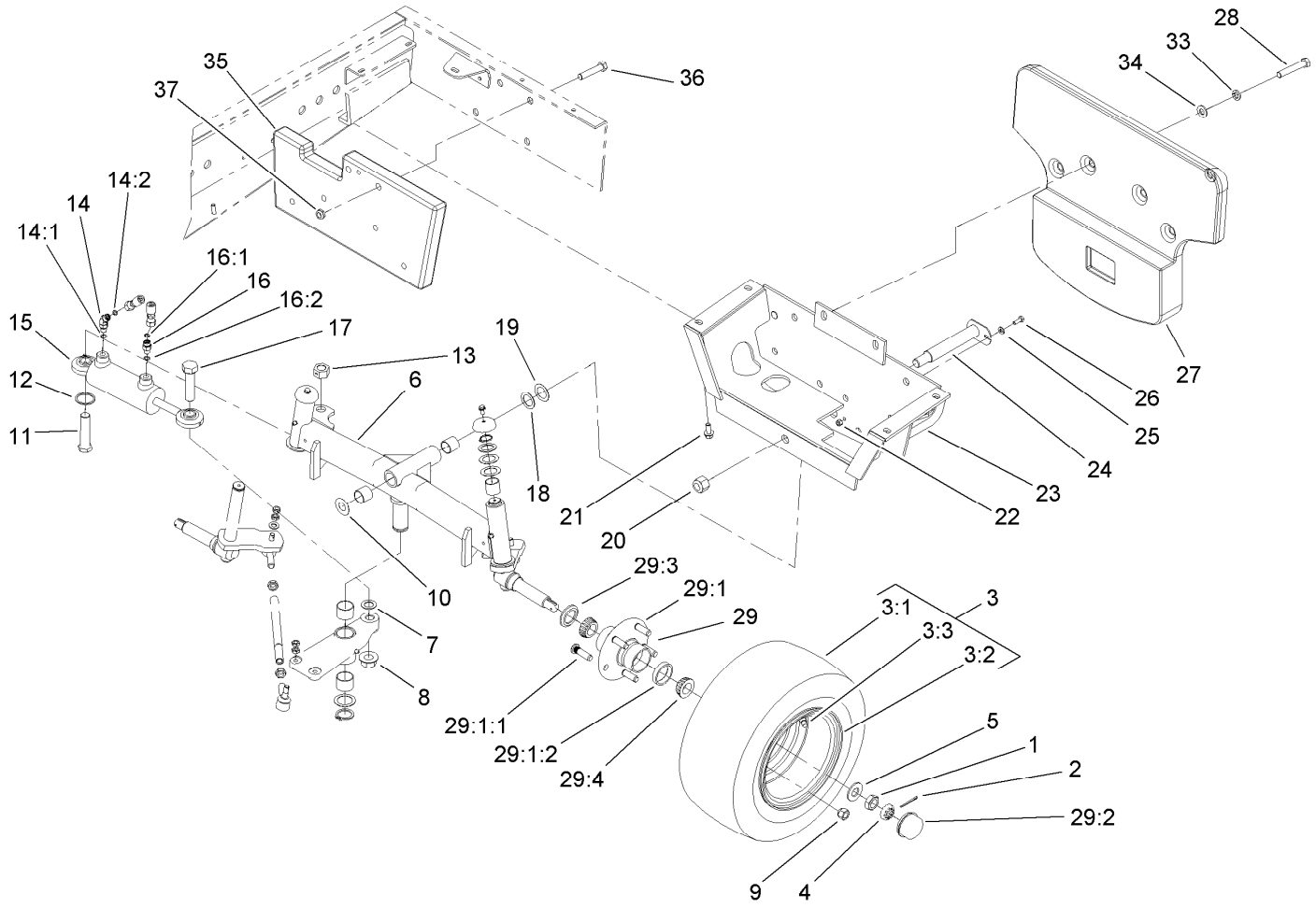
Ref.	*Part Number*	*Qty.*	*Description*
1	108-3854	1	Filter-Fuel
2	2412-108	3	Clamp-Worm
3	2412-147	1	Clamp
4	3296-42	5	Nut-Lock, NI
5	108-2066	1	Plug-Grommet
6	32148-7	2	Nut-Insert
7	321-5	5	Screw-HH
8	93-7170	1	Cap-Fuel
9	114-2854-03	1	Bracket-Support
10	110-9662	1	Hose-Fuel
11	2412-108	4	Clamp-Worm
12	109-0305	1	Hose-Fuel
13	110-9689	1	Pipe-Stand
14	99-9196	1	Pump-Fuel
15	110-4105	1	Hose-Fuel
16	99-7430	1	Relay
17	109-0273	1	Hose-Fuel
18	94-6765	1	Fitting-Barbed, 90 DEG
19	46-6560	3	Bushing
20	99-9262	1	Module-Ignition
21	104-8300	1	Nut-Flange, NI
22	3234-17	3	Screw-HHF



Lower Control Panel Assembly

Ref.	Part Number	Qty.	Description
1	106-9277	1	Module-Control, Standard
2	110-3067	1	Choke Control ASM
3	66-2920	2	Washer-Friction
4	1-513374	1	Meter-Hour
6	3256-24	1	Washer-Flat
7	3220-3	1	Nut-HJ
8	3253-21	1	Washer-Lock
9	110-1684	1	Harness-Wire, Main
9:1	94-6710	1	Fuse-Blade, 2 Amp
9:2	218-578	1	Fuse-10 Amp
9:3	109355	1	Fuse-15 Amp
9:4	32160-005	1	Connector-Fuseblock, 8F
10	3296-2	2	Nut-Lock, NI
11	108-2030-03	1	Cover-Lower
12	108-9691	1	Decal-Panel Lower
13	3290-199	3	Nut-Speed

Ref.	Part Number	Qty.	Description
14	108-2032	1	Latch-Lever
15	107-1013	8	Nut-Speed, U-Type
16	3234-11	1	Screw-HHF
17	32105-13	4	Screw-HWH
18	323-15	1	Screw-HH
19	3258-19	3	Screw
20	104-8301	2	Nut-Flange, NI
21	84-2350	1	Spacer-Long
22	233-39	1	Knob-Control
23	110-5689	1	Throttle Control ASM
25	108-2035-03	1	Lift Lever ASM
26	3234-5	1	Screw-HHF
27	104-8300	1	Nut-Flange, NI
28	233-21	1	Knob
29	3234-14	3	Screw-HHF

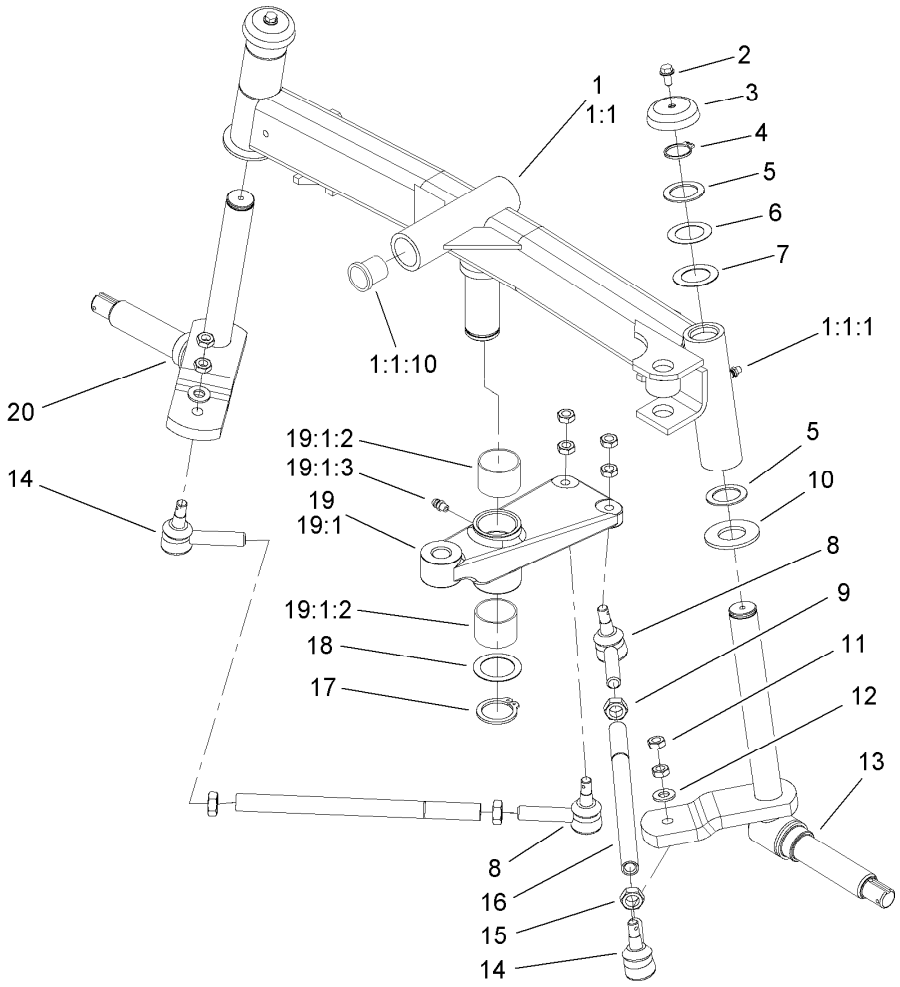


Rear Axle and Tire Assembly

Ref.	Part Number	Qty.	Description
1	3220-7	2	Nut-Jam
2	3272-13	2	Pin-Cotter
3		2	Wheel And Tire ASM ●
3:1	231-105	1	Tire-Ribbed
3:2	107-9059	1	Wheel
3:3	232-35	1	Valve Stem And Cap ASM
4	93-0307	2	Nut-Lock, Retainer
5	93-0309	2	Washer-Tab
6		1	Rear Axle ASM ●
7	67-9410	1	Washer
8	32128-45	1	Locknut-Flange
9	242-50	10	Nut-Lug
10	71-4540	1	Washer-Thrust
11	67-7300	1	Screw-HH
12	67-7250	1	Spacer-Ring
13	32153-6	1	Nut-Lock
14	340-103	1	Fitting-HYD, 45 DEG
14:1	237-78	1	O-Ring
14:2	237-21	1	O-Ring
15	115-4525	1	Cylinder-Hydraulic
16	340-92	1	Fitting-HYD, Straight
16:1	237-78	1	O-Ring
16:2	237-21	1	O-Ring
17	328-25	1	Screw-HH

Ref.	Part Number	Qty.	Description
18	10-8110	1	Washer-Thrust
19	56-2460	2	Washer-Flat
20	3296-51	1	Nut-Lock, NI
21	3234-25	4	Screw-HHF
22	3296-42	1	Nut-Lock, NI
23	63-6430-03	1	Frame-Rear
24	63-6770-03	1	Pin-Masked
25	3256-22	1	Washer-Flat
26	321-4	1	Screw-HH
27	110-9666-01	1	Weight-Rear
28	325-14	4	Screw-HH
29		2	Hub ASM ●
29:1	21-2820	1	Hub
29:1:1	10-6830	5	Stud-Type, Drive
29:1:2	254-72	2	Bearing-Cup, Tapered
29:2	241-119	1	Cap-Dust
29:3	253-129	1	Seal
29:4	254-94	2	Bearing-Cone, Tapered
33	3253-7	4	Washer-Lock
34	3256-26	4	Washer-Flat
35	110-1995-03	1	Weight-Rear, Inside
36	325-10	2	Screw-HH
37	3296-45	2	Nut-Lock, NI

● Not serviced separately

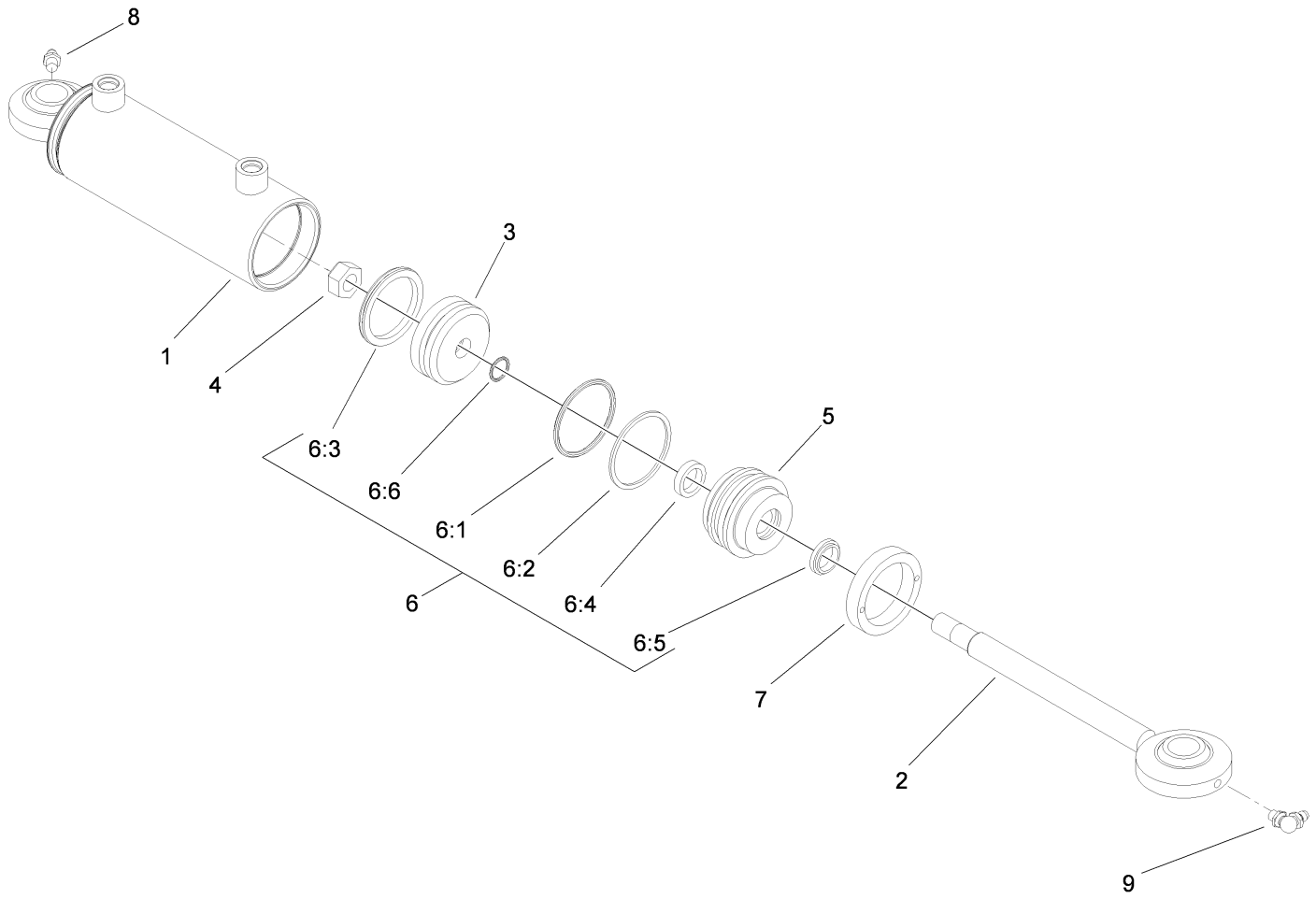


Rear Axle Assembly

Ref.	Part Number	Qty.	Description
1	76-3000-03	1	Rear Axle ASM
1:1		1	Axle-Rear ●
1:1:1	302-5	3	Fitting-Grease
1:1:10	67-1750	6	Bushing
2	3234-13	2	Screw-HHF
3	66-2990-03	2	Cap-Spindle
4	32151-36	2	Ring-Retaining
5	10-8110	4	Washer-Thrust
6	56-2460	2	Washer-Flat
7	5-1226	2	Washer
8	110-9686-03	2	LH Ball Joint ASM
9	3220-12	2	Nut-HJ (LH Thread)
10	256-121	2	Washer-Thrust

Ref.	Part Number	Qty.	Description
11	3220-3	8	Nut-HJ
12	3256-24	2	Washer-Flat
13	107-2943-03	1	RH Spindle ASM
14	110-9685-03	2	RH Ball Joint ASM
15	3220-5	2	Nut-Jam
16	63-6880	2	Tie Rod-Steering
17	32151-77	1	Ring-Retaining, EXT
18	76-2980	1	Washer-Thrust
19	100-6598-03	1	Steering Pivot ASM
19:1		1	Pivot-Steering ●
19:1:2	76-2970	2	Bushing-Straight
19:1:3	302-5	1	Fitting-Grease
20	107-2942-03	1	LH Spindle ASM

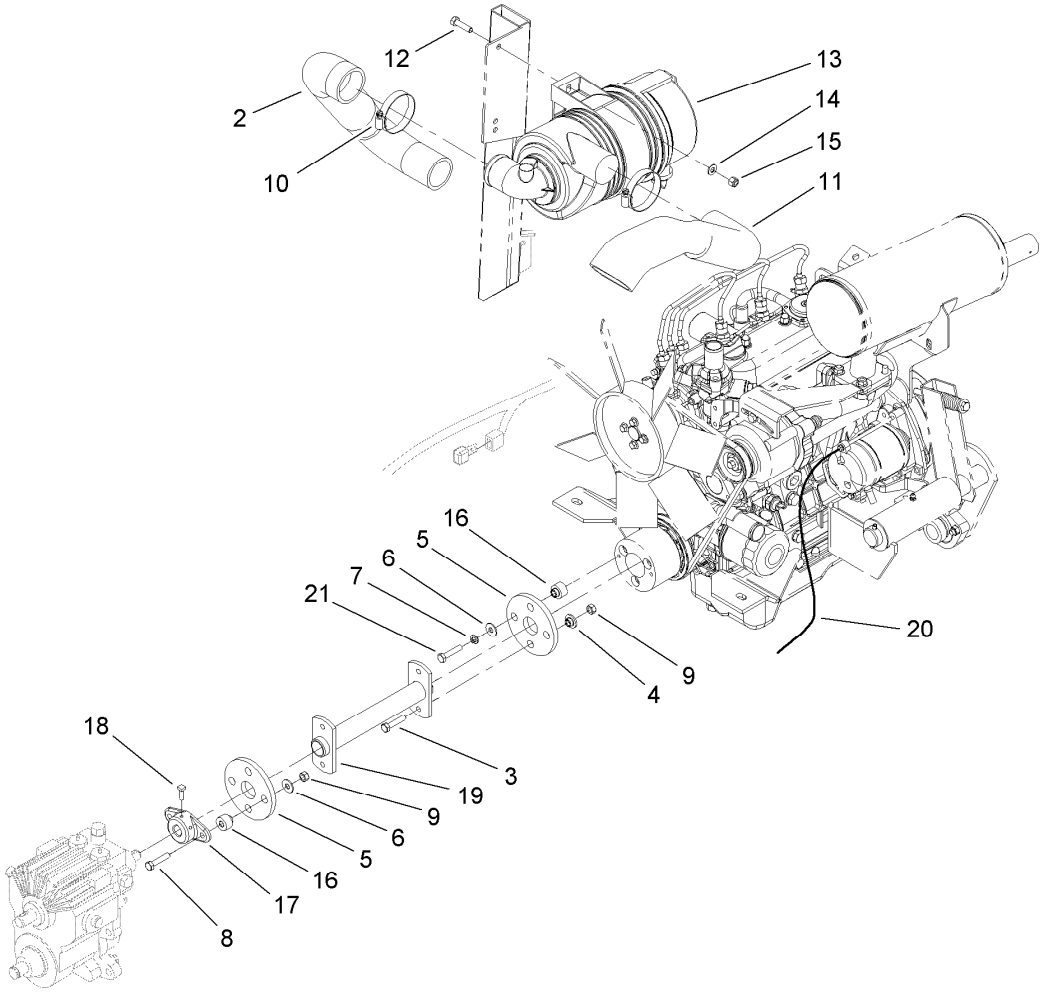
● Not serviced separately



Steering Cylinder Assembly No. 115-4525

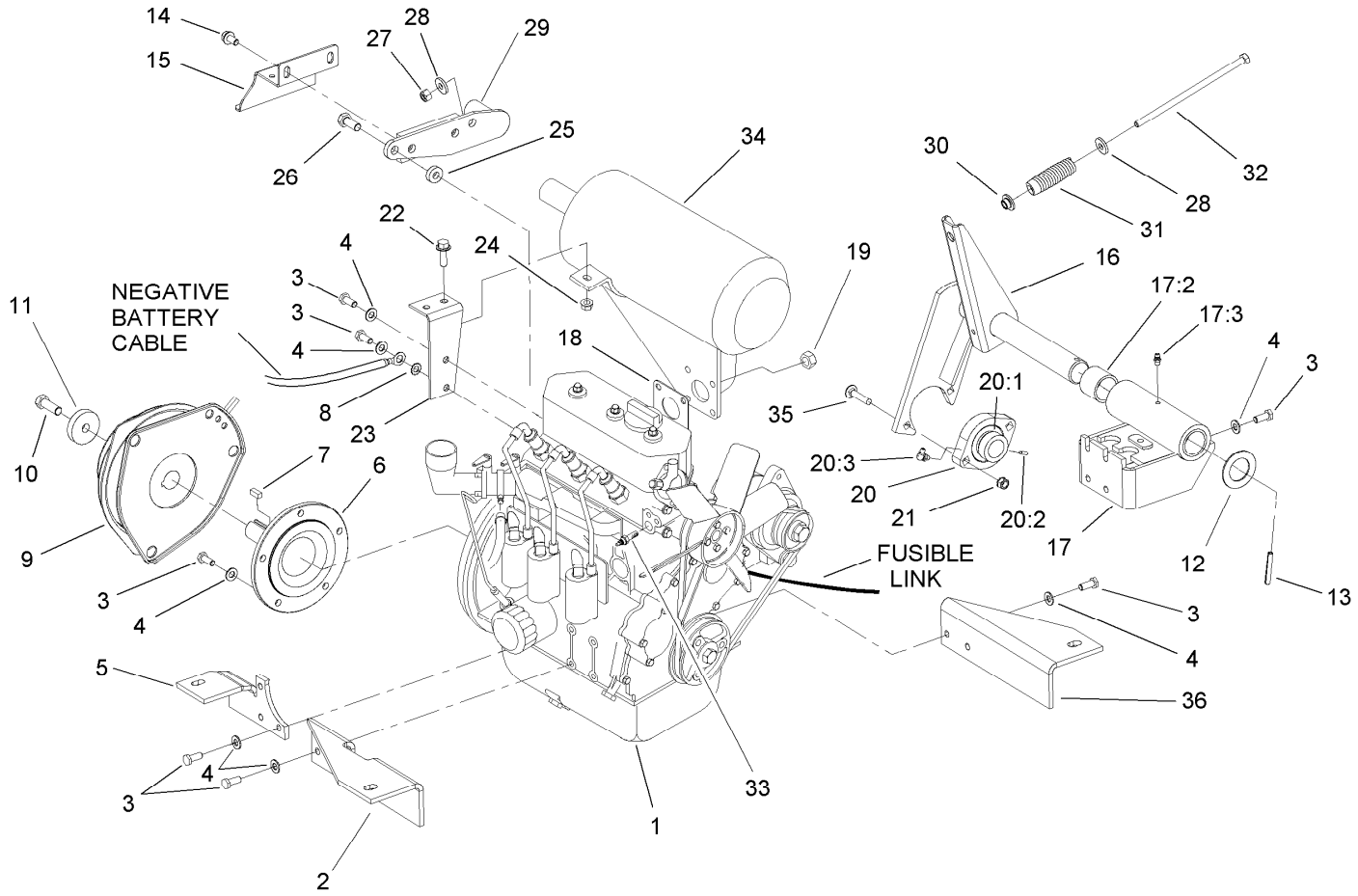
Ref.	*Part Number*	*Qty.*	*Description*
1		1	Barrel Assembly ●
2		1	Shaft Assembly ●
3		1	Piston ●
4		1	Nut-Lock ●
5		1	Head ●
6	115-4526	1	Seal Kit
6:1		1	O-Ring ●
6:2		1	Backup ●
6:3		1	Bp Seal ●
6:4		1	Bs-Seal ●
6:5		1	Dust Seal - Dt ●
6:6		1	O-Ring ●
7		1	Collar-Internal ●
8	302-5	1	Fitting-Grease
9	302-40	1	Fitting-Grease

● Not serviced separately



Air Cleaner and Drive Coupling Assembly

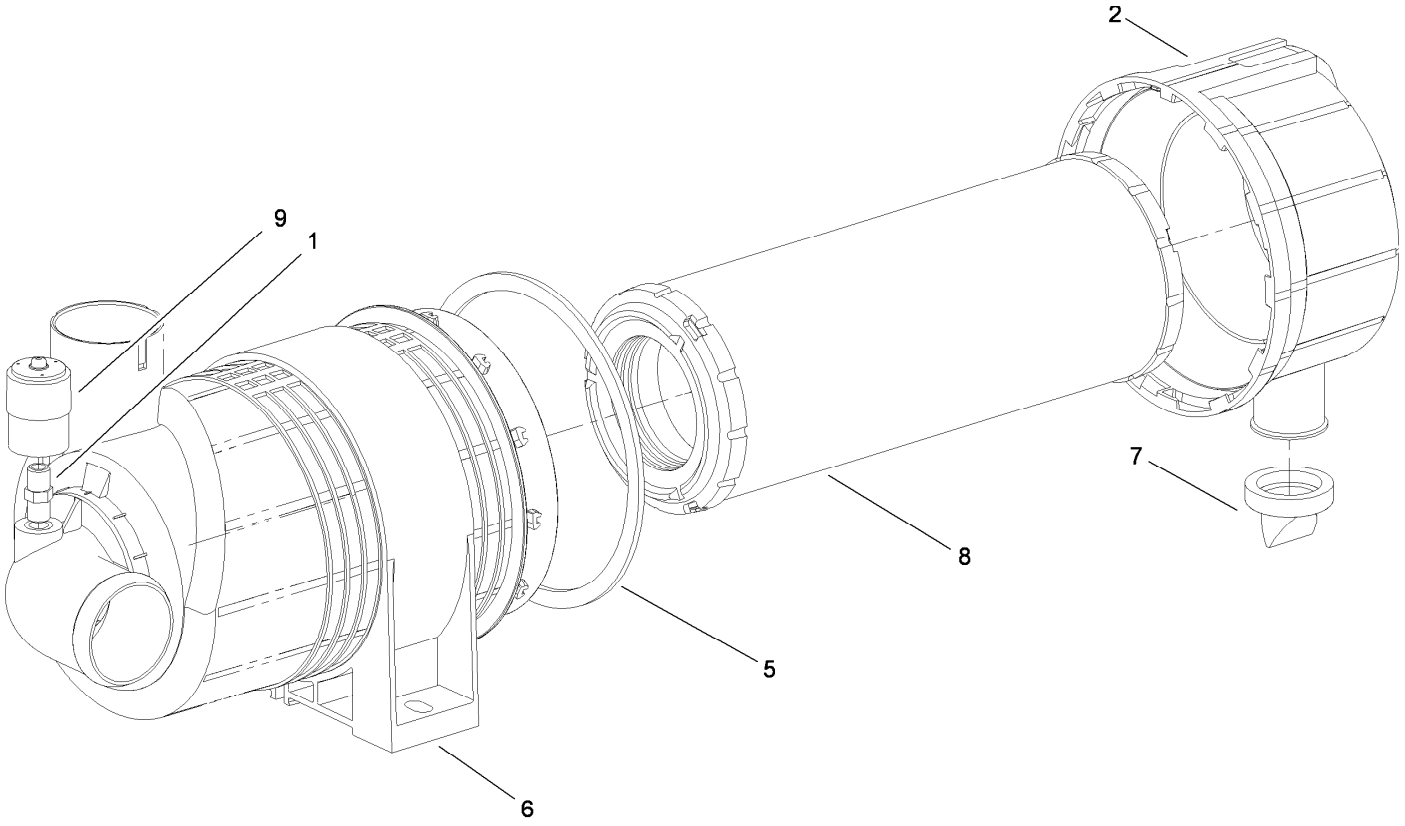
Ref.	*Part Number*	*Qty.*	*Description*
2	108-1360	1	Air Inlet Hose ASM
3	3210-5	4	Screw-HH
4	27-6600	4	Spacer-Coupling
5	115-4523	2	Coupling-Rubber
6	3256-71	4	Washer-Flat
7	42-9850	2	Washer-Lock, Spring
8	3210-8	2	Screw-HH
9	32152-5	6	Nut-Lock, Cone
10	2412-42	3	Clamp-Hose
11	104-3444	1	Hose-Inlet, Air
12	322-6	2	Screw-HH
13	104-3427	1	Air Cleaner ASM
14	3256-23	2	Washer-Flat
15	3296-29	2	Nut-Lock, NI
16	27-6590	4	Spacer-Coupling, Rubber
17	27-4370	1	Hub-Pump
18	3241-6	2	Screw-SQH
19	94-9400-03	1	Driveshaft ASM
20	99-3441	1	Harness-Wire, Fusible Link
21	33104-040	2	Screw-HHF



Engine, Muffler and Clutch Assembly

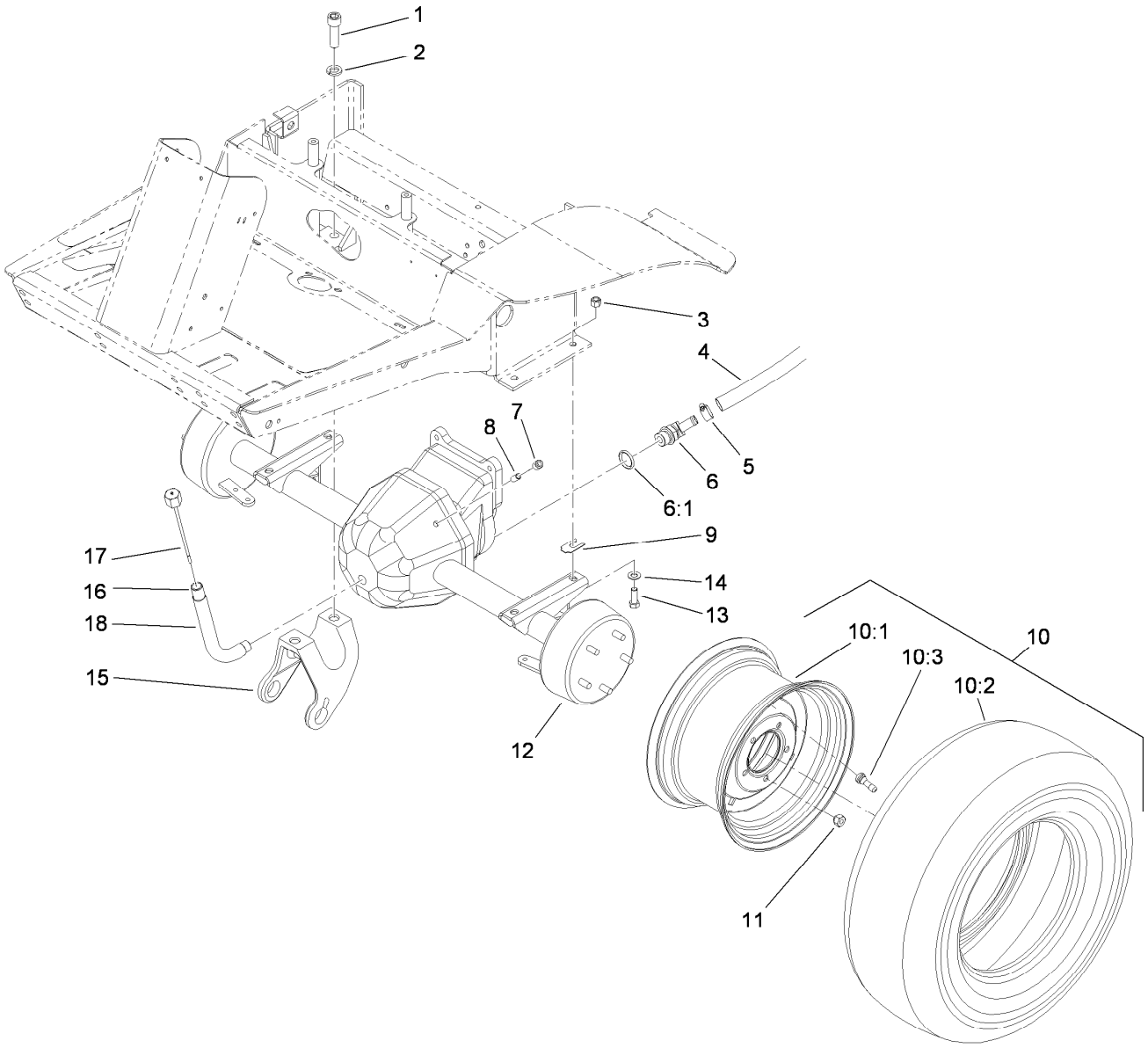
Ref.	Part Number	Qty.	Description
1	99-8440	1	Engine-Briggs Daihatsu Dm950G
2	95-3300-03	1	Bracket-Engine, Right Front
3	33114-020	18	Screw-HH
4	3256-23	18	Washer-Flat
5	94-7416-03	1	Bracket-Mount, Engine
6	94-7430	1	Shaft-Stub
7	63-8150	1	Key-Square
8	3255-8	1	Washer-Lock
9	107-9061	1	Electric Clutch / Brake ASM
10	3212-5	1	Screw-HH
11	105-3698	1	Spacer
12	3-4324	1	Washer-Flat
13	32121-32	1	Pin-Roll
14	3234-14	2	Screw-HHF
15	108-1395-03	1	Stop-Clutch
16	106-4381-03	1	PTO Tension Shaft ASM
17	94-7344	1	Pivot Plate ASM
17:2	256-299	2	Bushing-Straight
17:3	302-5	1	Fitting-Grease
18	99-9179	1	Gasket-Exhaust

Ref.	Part Number	Qty.	Description
19	99-9176	4	Nut-Hex
20	92-8799	1	Bearing-Flange
20:1	251-77	1	Collar-Lock, Bearing
20:2	3245-35	1	Screw-Set
20:3	302-40	1	Fitting-Grease
21	32149-1	2	Nut-Keps
22	3234-29	1	Screw-HHF
23	94-7433-03	1	Bracket-Muffler
24	32128-20	1	Nut-HF
25	5-0652	1	Spacer
26	43-0090	2	Screw-HH
27	3296-29	1	Nut-Lock, NI
28	4-2390	2	Washer-Flat
29	108-6579-03	1	Mount Bracket ASM
30	27-6600	1	Spacer-Coupling
31	21-0400-01	1	Spring-Compression
32	110-9696	1	Bolt-HH
33	108-9692	1	Switch-Temperature
34	108-8696	1	Muffler-Exhaust
35	3230-4	2	Screw-CARR
36	95-3097-03	1	Bracket-Engine, Left Front



Air Cleaner Assembly No. 104-3427

Ref.	*Part Number*	*Qty.*	*Description*
1	105-4292	1	Nipple-Pipe
2	104-0497	1	Cover ASM
5	104-4897	1	Gasket
6	98-4525	1	Bracket-Cleaner, Air
7	104-0498	1	Valve-Vacuator
8	108-3810	1	Filter-Air
9	93-9164	1	Indicator-Mini

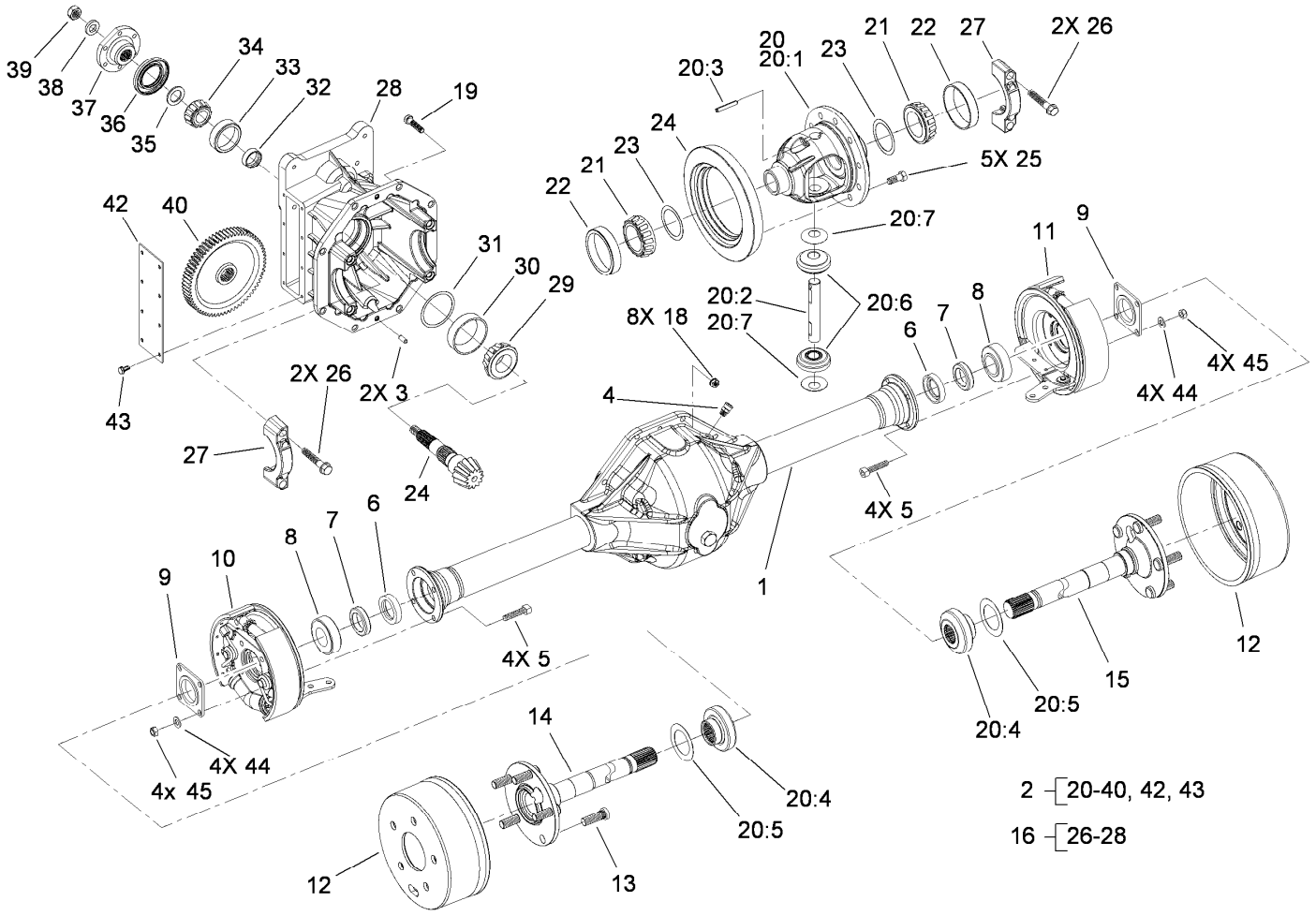


Front Axle Assembly

Ref.	Part Number	Qty.	Description
1	3273-38	4	Screw-HSH
2	3253-8	4	Washer-Lock
3	3296-48	4	Nut-Lock, NI
4	92-5083	1	Hose-HYD
5	2412-119	1	Clamp-Worm
6	92-5088	1	Fitting-Elbow, 45 DEG
6:1	237-81	1	O-Ring
7	2810-1	1	Coupling-Pipe
8	289-6	1	Nipple-Pipe
9	42-6080	1	Shim-Axle
10		2	Wheel And Tire ASM ●

Ref.	Part Number	Qty.	Description
10:1	117-0822	1	Wheel
10:2	117-0823	1	Tire-Standard
10:3	232-27	1	Stem-Valve
11	242-50	10	Nut-Lug
12	108-6599-03	1	Axle ASM
13	324-5	4	Screw-HH
14	3256-25	4	Washer-Flat
15	110-9678-03	2	Bracket-Carrier
16	105-7169	1	Tube-Fill, Oil
17	105-7172	1	Dipstick ASM
18	110-5651	1	Sleeve-Protective

● Not serviced separately

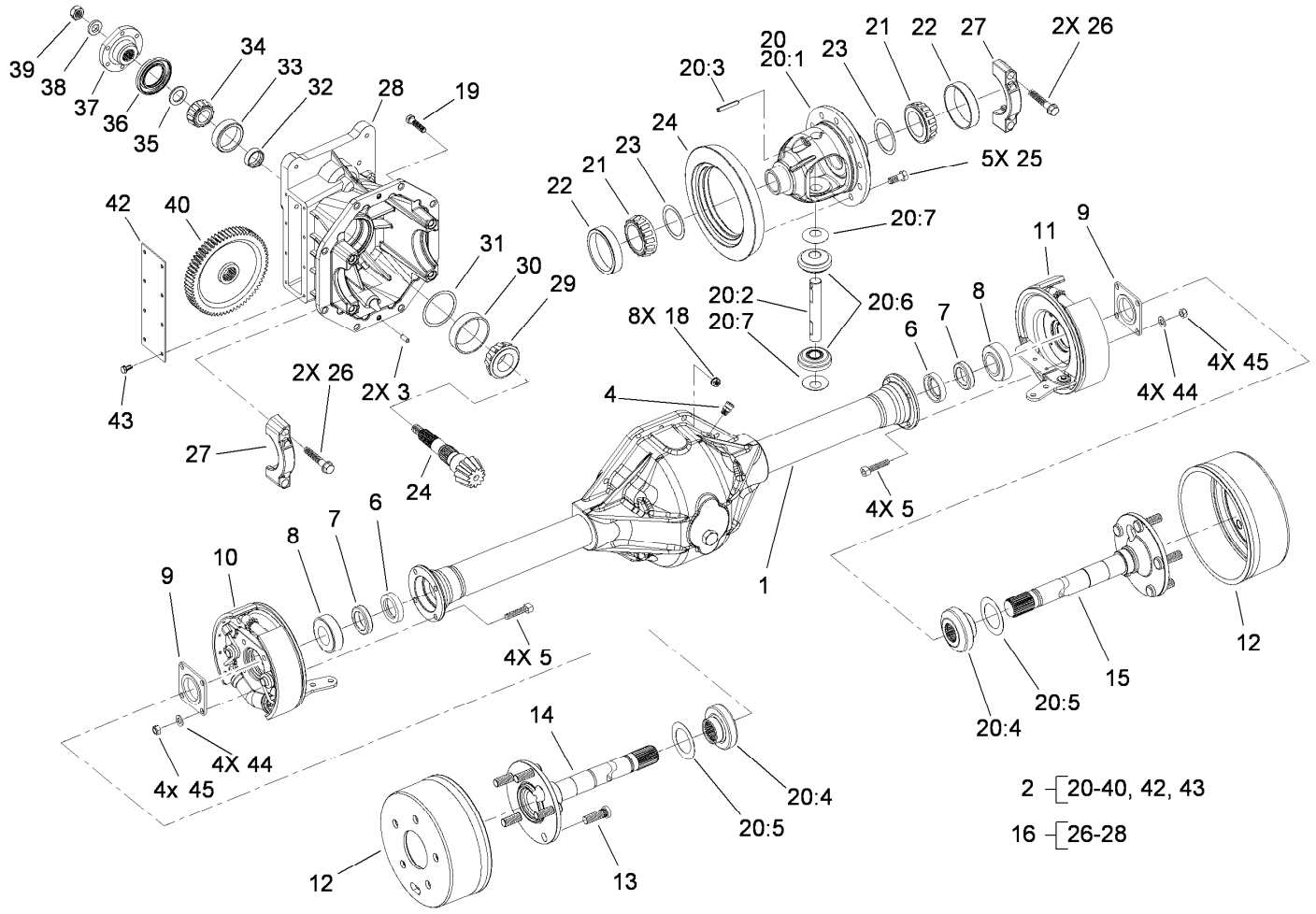


Front Axle Assembly No. 108-6599-03

Ref.	Part Number	Qty.	Description
1	110-9670	1	Lower Housing ASM
2	92-4907	1	Differential Carrier ASM
3	21-8270	2	Pin-Dowel
4	72-9420	1	Vent
5	94-6934	8	Screw-HH
6	24-8840	2	Ring-Retaining, Wheel Bearing
7	99-6969	2	Seal-Oil, Wheel End
8	21-8180	2	Bearing ASM
9	28-0670	2	Seal-Grease
10		1	Brake ASM, RH ●
11		1	Brake ASM, LH ●
12	110-3072	2	Drum-Brake
13	106-9205	10	Stud-Wheel
14	110-3073	1	Shaft-Axle, RH
15	110-3074	1	Shaft-Axle, LH
16	110-3076	1	Carrier ASM
18	32149-5	8	Nut-Keps
19	3210-8	8	Screw-HH
20	110-4136	1	Differential Case ASM
20:1	21-7670	1	Case-Differential
20:2	21-7700	1	Shaft-Mate, Pinion
20:3	42150	1	Pin-Lock, Pinion
20:4	110-3078	2	Gear-Differential
20:5	110-3077	2	Washer-Thrust
20:6	110-3079	2	Pinion-Differential

● Not serviced separately

Ref.	Part Number	Qty.	Description
20:7	21-7730	2	Washer-Thrust, Pinion
21	254-65	2	Cone-Bearing, Roller
22	254-66	2	Cup-Bearing, Roller
23	21-8090	1	Shim-Bearing, Differential (.003)
23	21-8100	1	Shim-Bearing, Differential (.005)
23	21-8110	1	Shim-Bearing, Differential (.010)
23	21-8120	1	Shim-Bearing, Differential (.030)
24	92-1676	1	Gear And Pinion ASM
25	21-7770	5	Screw-Gear, Drive
26	92-1773	4	Screw-HHF
27		1	Cap-Bearing ●
28		1	Housing ●
29	43-6760	1	Bearing-Roller, Cone Taper
30	43-6750	1	Bearing-Taper, Cup
31	43-6713	1	Shim-Pinion (.030)
31	43-6712	1	Shim-Pinion (.010)
31	43-6711	1	Shim-Pinion (.005)
31	43-6710	1	Shim-Pinion (.003)
32	21-8020	1	Spacer-Bearing
33	254-90	1	Bearing-Cup
34	254-91	1	Cone-Bearing
35	72-3588	1	Shim-Bearing, Front (.131)

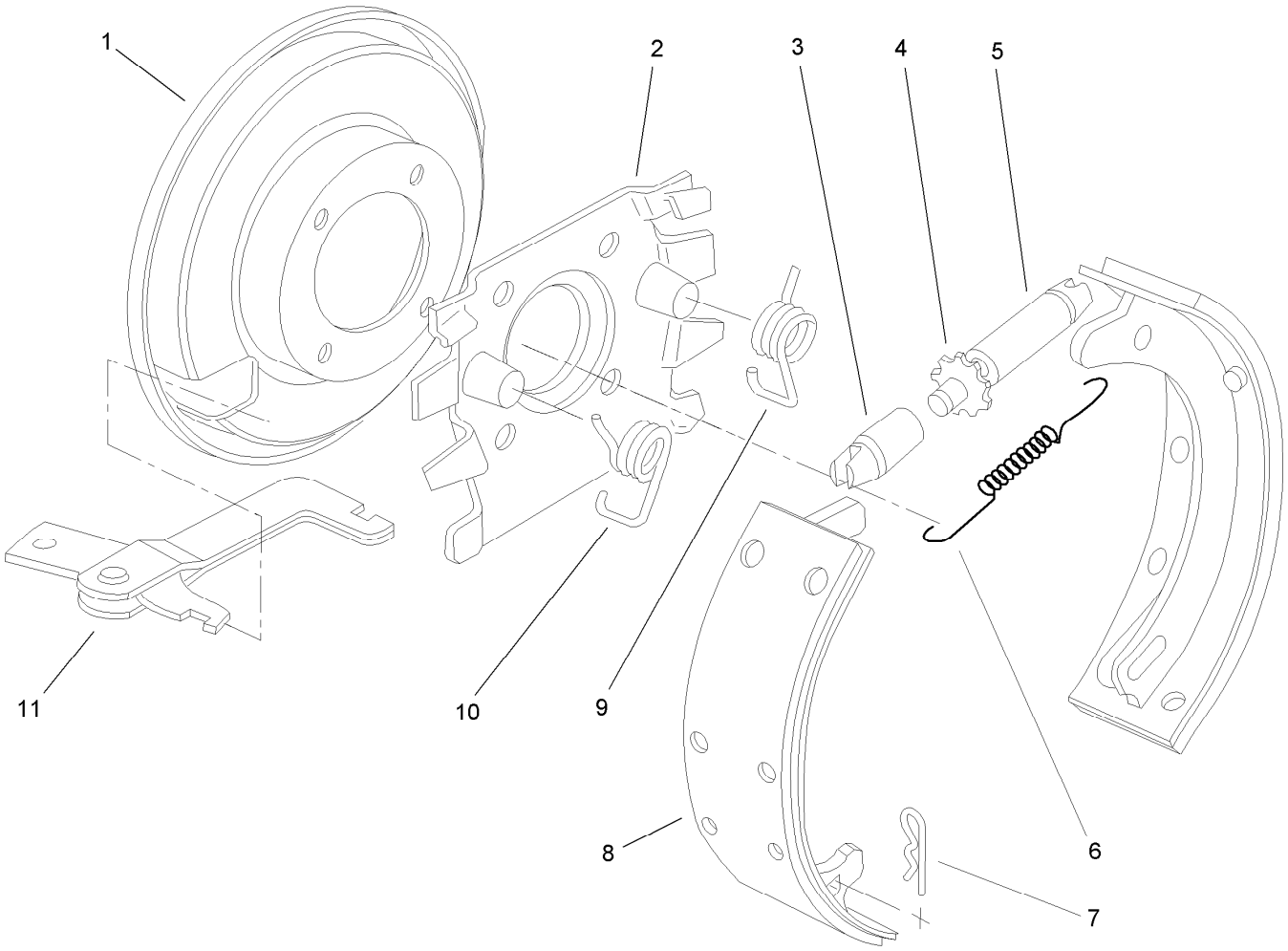


Front Axle Assembly No. 108-6599-03 (continued)

Ref.	Part Number	Qty.	Description
35	72-3590	1	Shim-Bearing, Front (.133)
35	72-3587	1	Shim-Bearing, Front (.129)
35	72-3594	1	Shim-Bearing, Front (.141)
35	72-3595	1	Shim-Bearing, Front (.143)
35	72-3596	1	Shim-Bearing, Front (.145)
35	72-3597	1	Shim-Bearing, Front (.147)
35	72-3598	1	Shim-Bearing, Front (.149)
35	72-3600	1	Shim-Bearing, Front (.151)
35	72-3578	1	Shim-Bearing, Front (.110)
35	72-3580	1	Shim-Bearing, Front (.112)
35	72-3577	1	Shim-Bearing, Front (.108)
35	72-3576	1	Shim-Bearing, Front (.106)
35	72-3575	1	Shim-Bearing, Front (.104)
35	72-3574	1	Shim-Bearing, Front (.102)
35	72-3573	1	Shim-Bearing, Front (.100)
35	72-3572	1	Shim-Bearing, Front (.098)
35	72-3571	1	Shim-Bearing, Front (.096)
35	72-3570	1	Shim-Bearing, Front (.094)

Ref.	Part Number	Qty.	Description
35	72-3593	1	Shim-Bearing, Front (.139)
35	72-3592	1	Shim-Bearing, Front (.137)
35	72-3591	1	Shim-Bearing, Front (.135)
35	72-3581	1	Shim-Bearing, Front (.114)
35	72-3582	1	Shim-Bearing, Front (.116)
35	72-3583	1	Shim-Bearing, Front (.118)
35	72-3584	1	Shim-Bearing, Front (.120)
35	72-3585	1	Shim-Bearing, Front (.125)
35	72-3586	1	Shim-Bearing, Front (.127)
36	71-4330	1	Seal
37	68-7010	1	Flange
38	71-4340	1	Washer
39	71-4350	1	Nut
40	86-7230	1	Gear-Input, Transmission
42	21-7830	1	Cover-Gear
43	32144-112	8	Screw-HWH
44	94-6936	8	Washer-Hardened
45	94-6935	8	Locknut

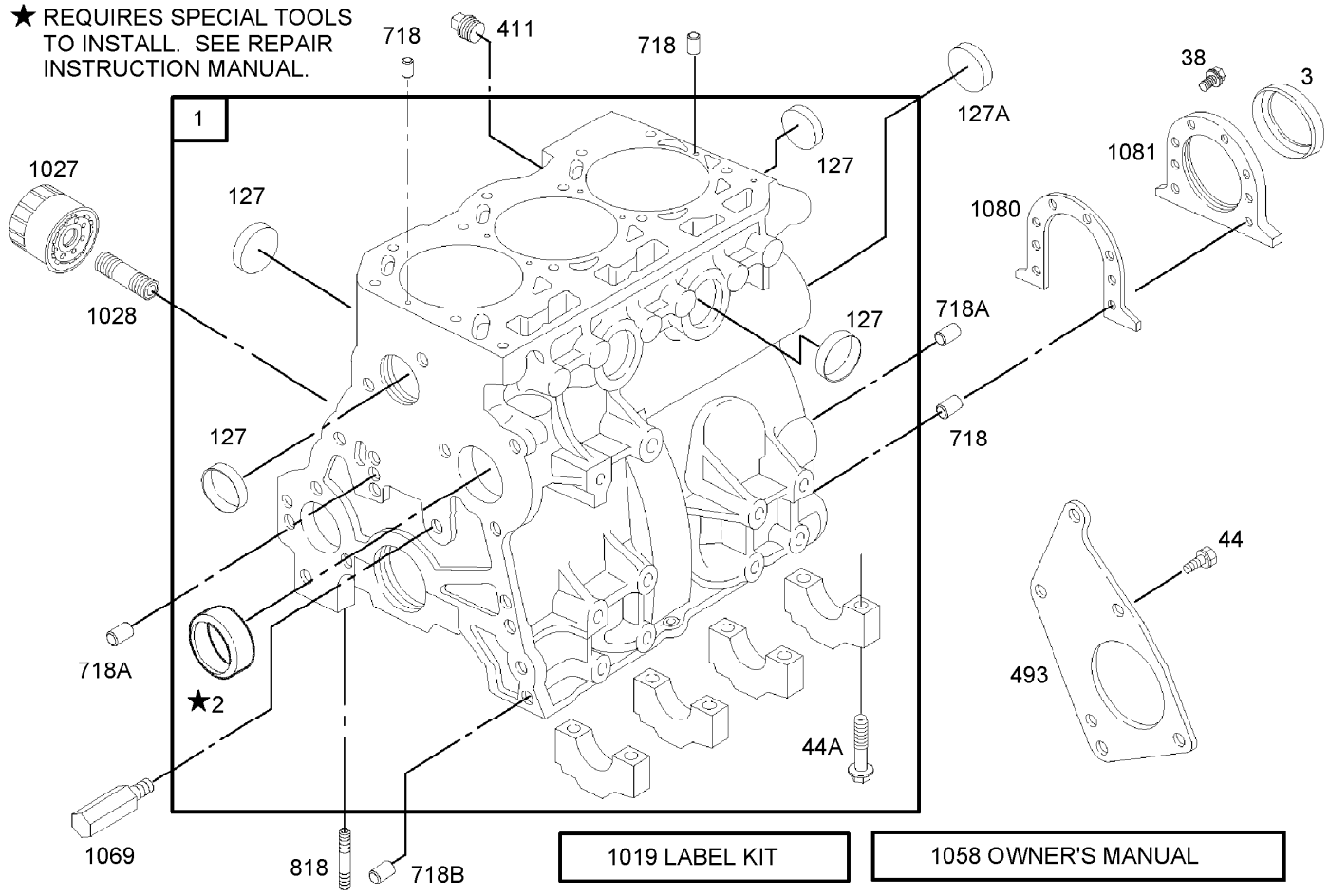
● Not serviced separately



Right and Left Hand Brake Assembly

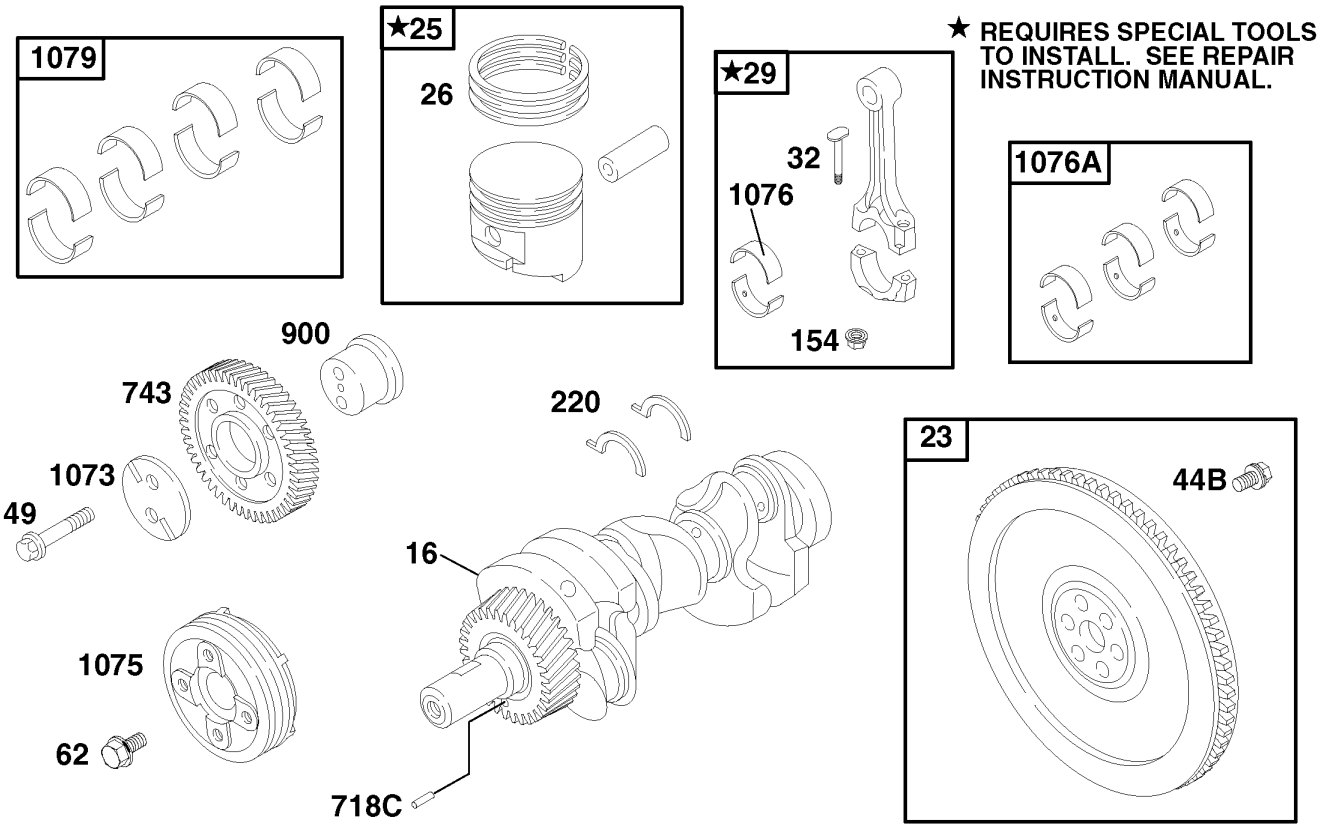
Ref.	*Part Number*	*Qty.*	*Description*
1	21-9450	1	Shield-Dust
2	43-6810	1	Spider-Torque
3	21-9390	1	Socket-Screw, Adjusting
4	21-9370	1	Screw-Adjusting
5	21-9380	1	Nut-Pivot
6	21-9440	1	Spring-Screw, Adjusting
7	21-9460	2	Retainer-Lever, Brake
8	84-8600	1	Set-Shoes, Lined
9	21-9430	1	Spring-Return, RH
10	21-9420	1	Spring-Return, LH
11	24-9180	1	Strut And Lever ASM
12	92-8775	1	Liquid Gasket Kit ●

● Not illustrated



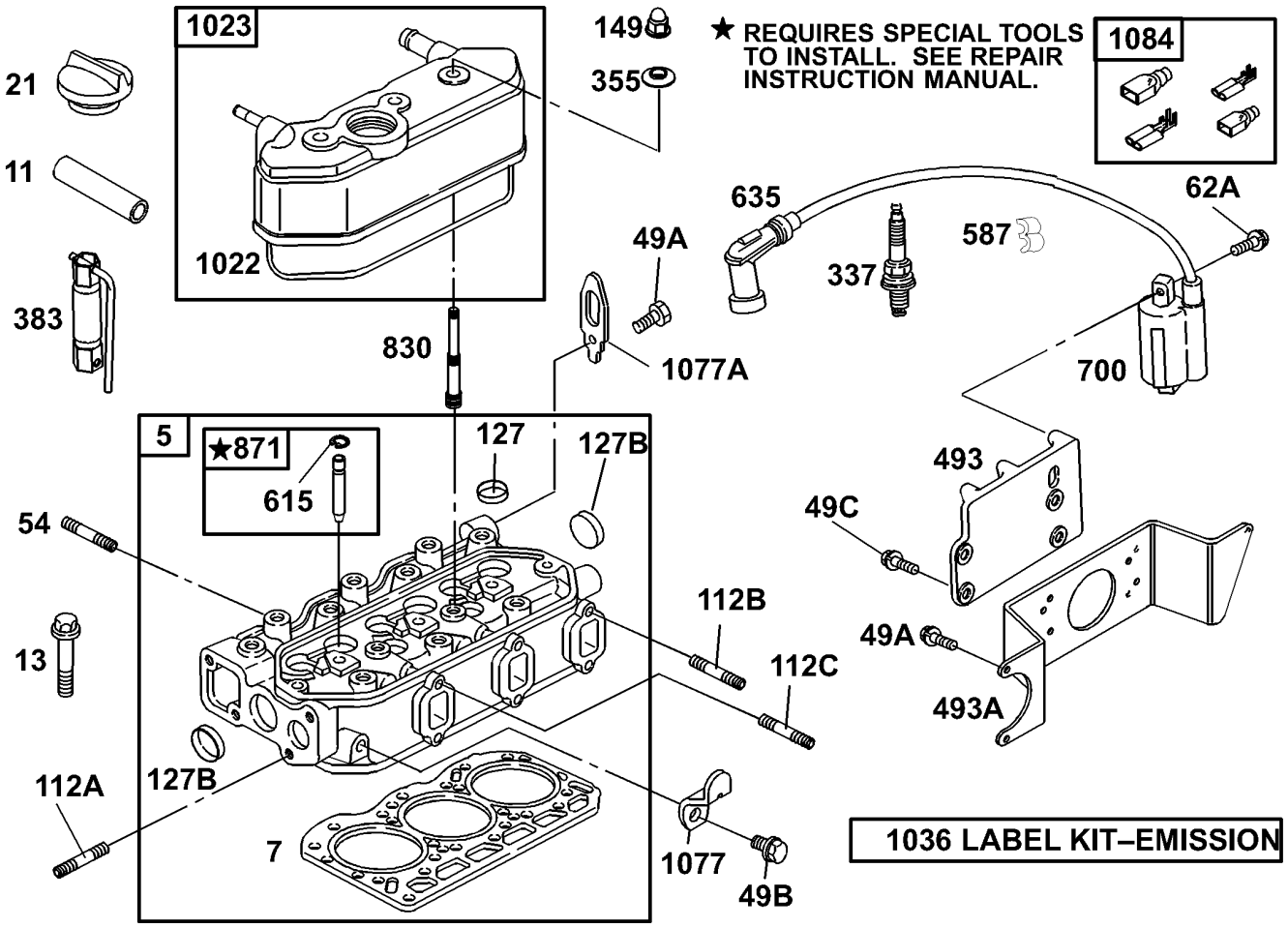
Cylinder Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	99-9251	1	Cylinder ASM
2	99-9002	1	Bushing
3	99-9003	1	Seal-Oil
38	99-9004	6	Screw-Hex
44	99-9005	3	Screw-Hex
127	99-9008	7	Plug-Welch
411	99-9010	1	Plug-Welch
44A	99-9006	8	Screw-Hex
493	99-9011	1	Bracket-Mounting
718	99-9012	4	Pin-Locating
818	99-9007	2	Stud-Metric
1019	99-9015	1	Label Kit
1027	108-3842	1	Filter-Oil
1028	99-9018	1	Adapter-Filter, Oil
1058	99-9019	1	Manual-Owners, Engine
1069	99-9020	1	Nozzle-Oil
1080	99-9021	1	Gasket-Retainer
1081	99-9022	1	Retainer-Seal
127A	99-9009	1	Plug-Welch
718A	99-9013	3	Pin-Locating
718B	99-9014	2	Pin-Locating



Crankshaft Assembly

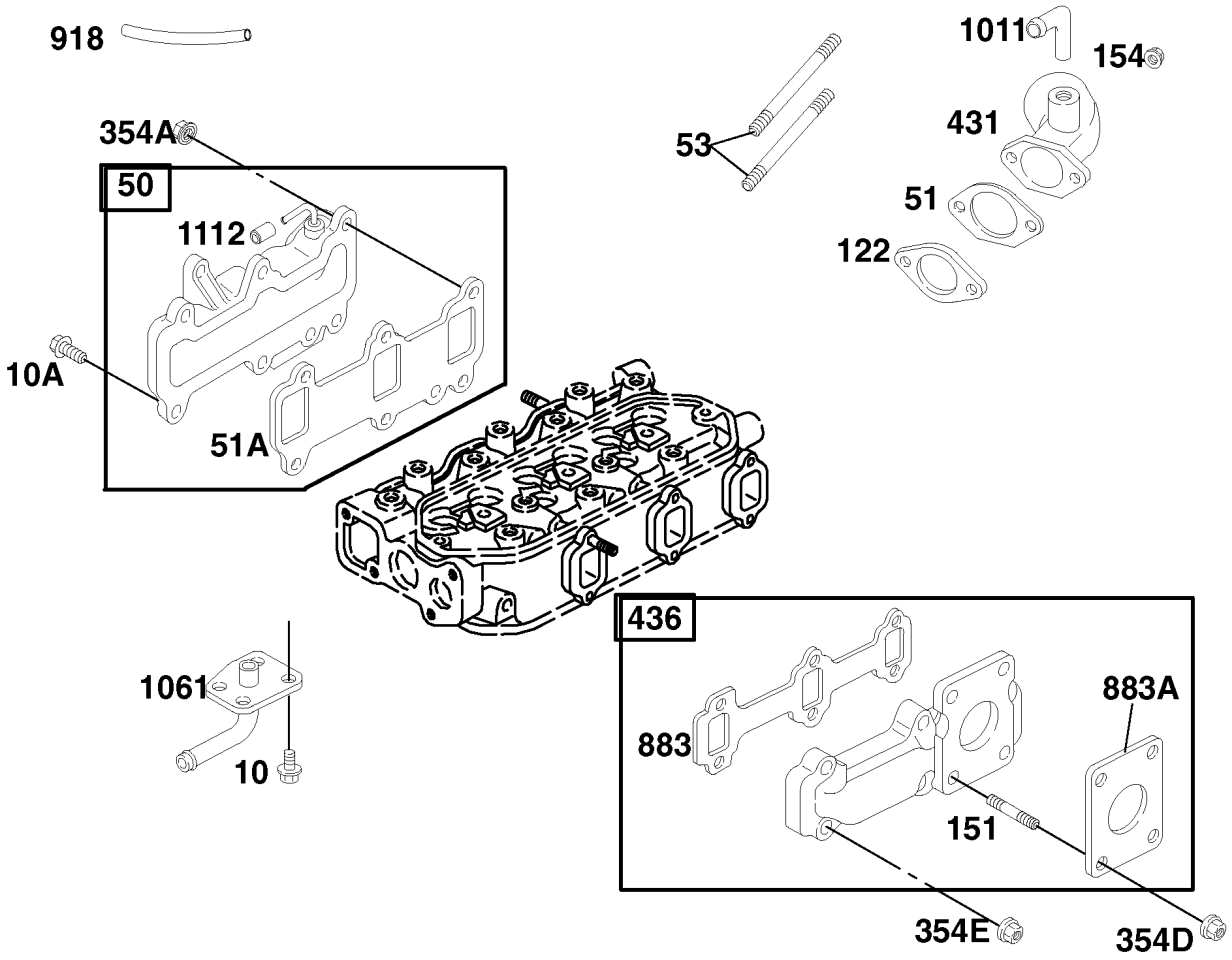
Ref.	*Part Number*	*Qty.*	*Description*
16	99-9252	1	Crankshaft
23	99-9024	1	Flywheel
25	99-9025	3	Piston ASM (Standard)
25	99-9026	3	Piston ASM (.010 Over)
26	99-9027	3	Ring Set (Standard)
26	99-9028	3	Ring Set (.010 Oversized)
29	99-9029	3	Rod-Connecting
32	99-9030	6	Screw
49	99-9032	2	Screw-Hex
62	99-9033	1	Screw-Hex
154	99-9034	6	Nut-Hex
220	99-9035	1	Shim-Endplay
220	99-9036	1	Shim-Endplay (.005 Oversized)
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	99-9041	1	Pulley-Crankshaft
1076	99-9042	3	Bearing-Rod
1076A	99-9043	3	Rod Bearing Set
1076A	99-9044	3	Rod Bearing Set (.010 Undersized)
1079	99-9045	4	Main Bearing Set (Set Of 8)
1079	99-9046	4	Main Bearing Set (.010 Undersized)
718C	99-9037	1	Pin-Locating



Cylinder Head Assembly

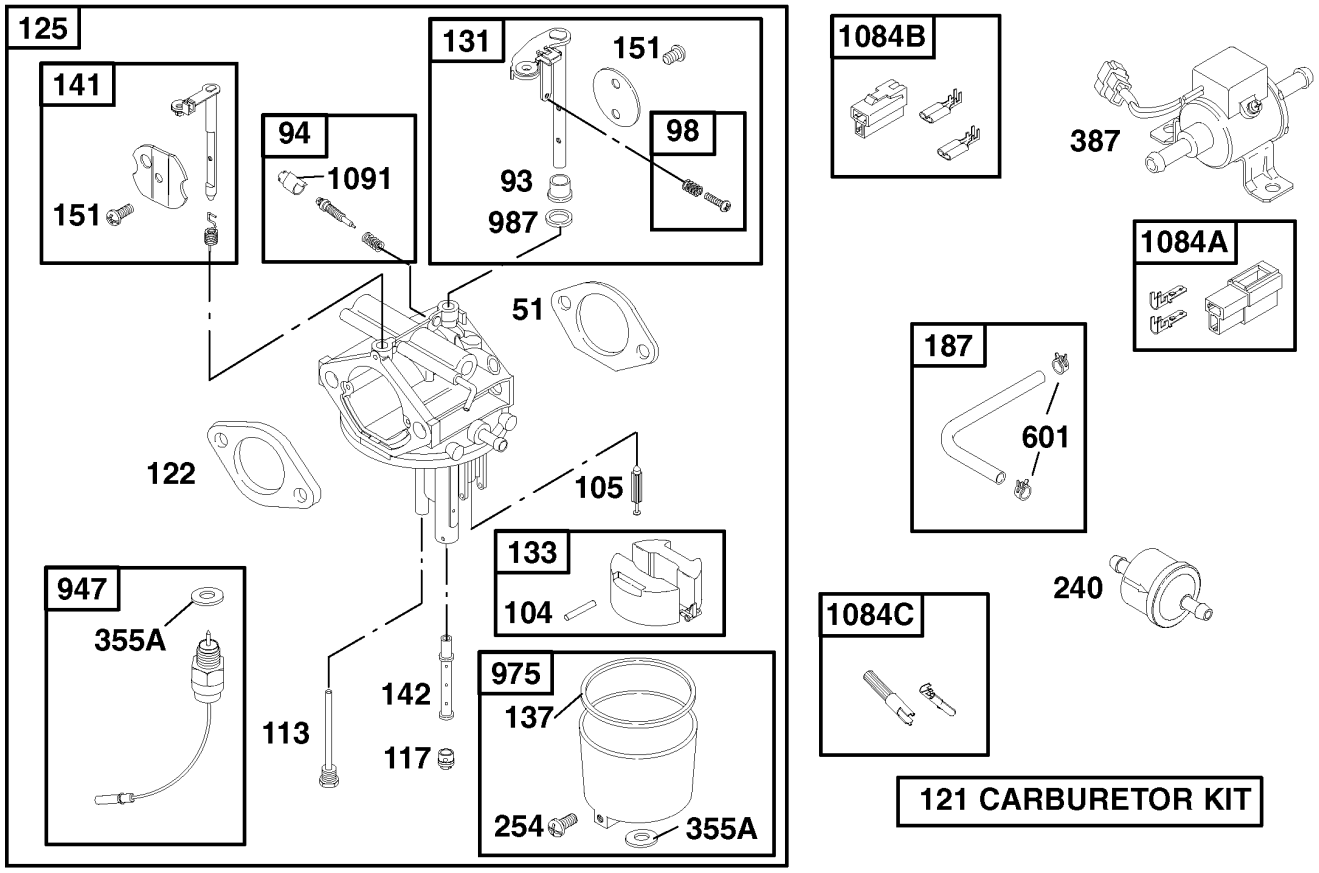
Ref.	Part Number	Qty.	Description
5	99-9253	1	Head-Cylinder
7	99-9254	1	Gasket-Head, Cylinder
11	99-9049	1	Tube-Breather
13	99-9255	14	Screw-Hex
21	99-9052	1	Cap-Fill, Oil
54	99-9055	2	Stud-Metric
127	99-9008	2	Plug-Welch
127B	99-9060	2	Plug-Welch
149	99-9061	3	Nut-Hex, Metric
337	77-7330	3	Plug-Spark
355	99-9063	3	Washer-Seal
383	99-9064	1	Wrench-Plug, Spark
493	99-9065	1	Bracket-Mounting
493A	99-9220	1	Bracket-Support
49A	99-9256	3	Screw-Hex
49B	99-9054	2	Screw-Hex
49C	99-9202	4	Screw-Hex

Ref.	Part Number	Qty.	Description
587	99-9066	2	Clip-Wire
615	99-9067	6	Retainer
62A	99-9056	6	Screw-Hex
635	99-9068	3	Boot-Plug, Spark
700	99-9069	3	Coil-Ignition
830	99-9101	3	Stud-Arm, Rocker
871	99-9070	6	Bushing-Guide
1022	99-9073	1	Gasket-Cover, Rocker
1023	99-9074	1	Cover-Rocker
1036	99-9075	1	Emission Label Kit
1077	99-9076	1	Bracket-Lifting
1077A	99-9077	1	Bracket-Lifting
1084	99-9078	1	Connector
112A	99-9057	2	Stud-Metric
112B	99-9058	5	Stud-Metric
112C	99-9059	1	Stud-Metric



Intake and Exhaust Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	99-9004	4	Screw-Hex
10A	99-9111	4	Screw-Hex
50	99-9172	1	Manifold-Intake
51	99-9182	1	Gasket-Intake
51A	99-9173	1	Gasket-Intake
53	99-9183	2	Stud-Carb. Mounting
122	99-9184	1	Spacer-Carburetor
151	99-9174	4	Stud-Manifold, Exhaust
154	99-9186	2	Nut-Hex, Metric
431	99-9257	1	Elbow-Intake
436	99-9177	1	Manifold-Exhaust
883	99-9178	1	Gasket-Exhaust
883A	99-9179	1	Gasket-Exhaust
918	99-9222	1	Hose-Vaccum
1011	99-9198	1	Tube-Vent
1061	99-9180	1	Cover-Outlet
1112	99-9223	1	Plug-Vent
354A	99-9114	2	Nut-Hex, Metric
354D	99-9176	4	Nut-Hex
354E	99-9175	6	Nut-Hex, Metric

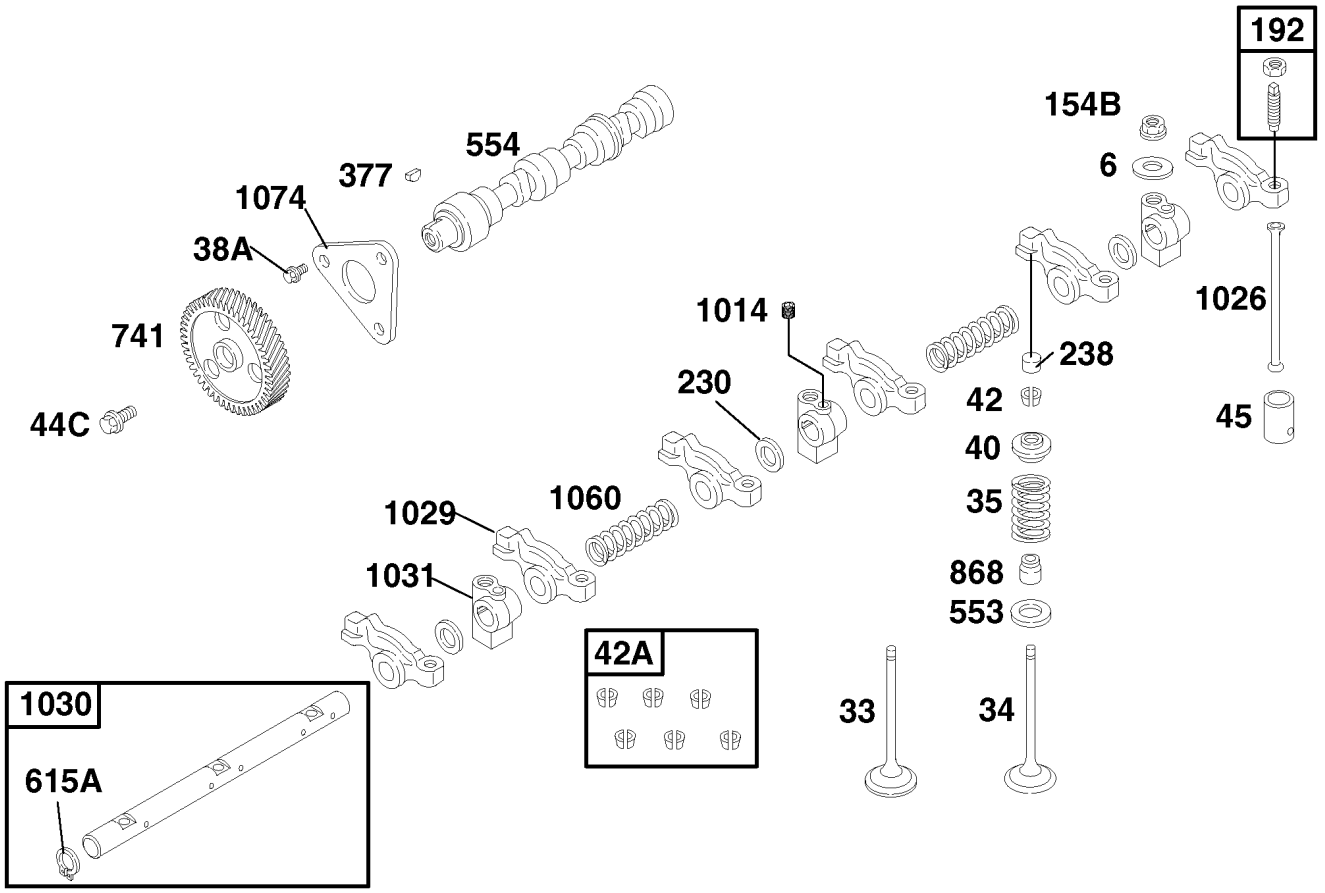


Carburetor Assembly

Ref.	Part Number	Qty.	Description
51	99-9182	1	Gasket-Intake
93		1	Bushing ●
94	99-9224	1	Valve-Idle Adj.
98	99-9225	1	Screw-Idle Speed
104	99-9226	1	Pin-Float Hinge
105	99-9227	1	Valve-Needle
113	99-9228	1	Tube-Jet
117	99-9229	1	Jet-Main
117	99-9230	1	Jet-Main (High Altitude)
121	99-9231	1	Carbuertor Kit
122	99-9184	1	Spacer-Carburetor
125	99-9185	1	Carburetor
131	99-9232	1	Shaft-Throttle
133	99-9233	1	Float-Carburetor
137	99-9234	1	Gasket-Bowl, Float
141	99-9235	1	Shaft-Choke

Ref.	Part Number	Qty.	Description
142	99-9236	1	Nozzle-Carburetor
151	99-9237	1	Screw-Cross / Slotted
187	99-9238	1	Line-Fuel
240	95-2926	1	Fuel Filter ASM
254	99-9239	1	Drain-Carburetor. Bowl
387	99-9196	1	Pump-Fuel
601	99-9242	1	Clamp-Hose
947	99-9243	1	Solenoid-Fuel
975	99-9244	1	Bowl-Float
987		1	Collar ●
1091	99-9246	1	Cap-Limiter
355A	99-9240	1	Washer-Seal
1084A	99-9199	1	Connector
1084B	99-9213	1	Connector
1084C	99-9245	1	Connector

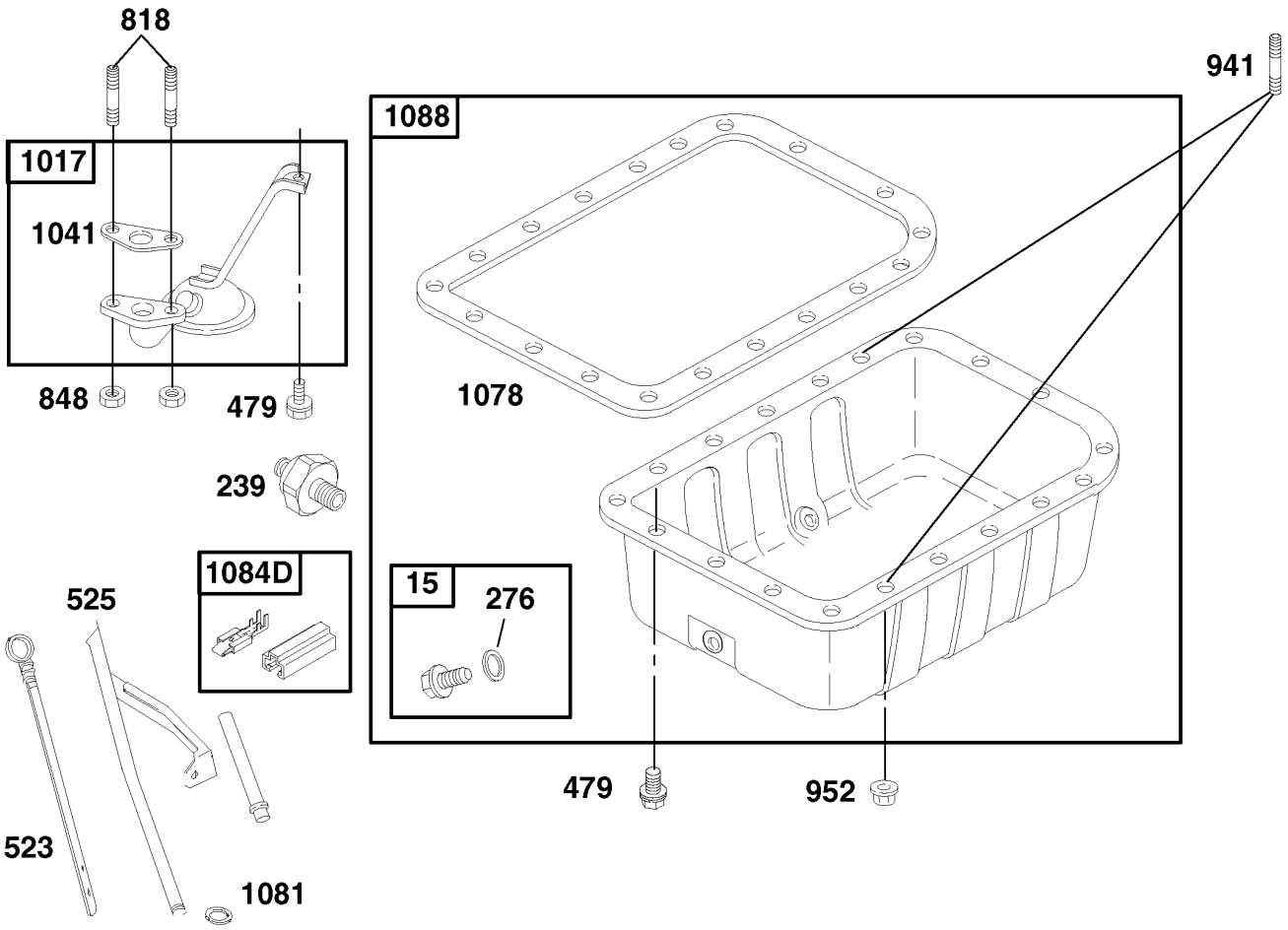
● Not serviced separately



Rocker Arm Assembly

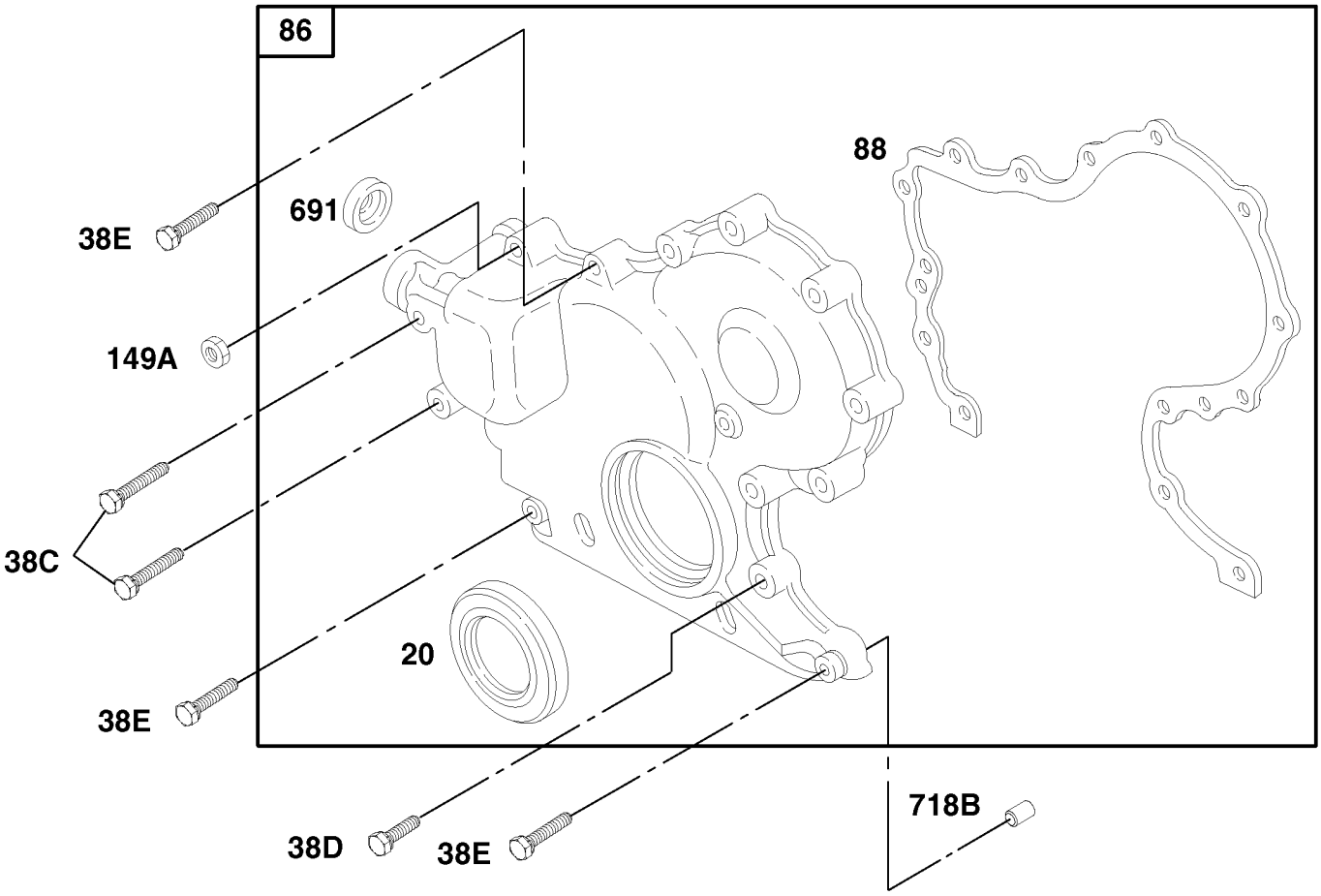
Ref.	Part Number	Qty.	Description
6	99-9079	3	Washer-Flat
33	99-9080	3	Valve-Exhaust
34	99-9081	3	Valve-Intake
35	99-9082	6	Spring-Valve
40	99-9084	6	Retainer-Valve
42	99-9086	1	Keeper-Valve (Set)
42A	99-9087	6	*obs* Keeper-Valve (Set Of 6)
45	99-9088	6	Tappet-Valve
192	99-9092	6	Adjuster-Arm, Rocker
230	99-9093	3	Washer-Spacer
238	99-9094	6	Cap-Valve
377	99-9095	1	Key-Woodruff
38A	99-9083	3	Screw-Hex

Ref.	Part Number	Qty.	Description
44C	99-9085	1	Screw-Metric
553	99-9096	6	Seat-Spring, Valve
554	99-9097	1	Shaft-Cam
741	99-9641	1	Gear-Cam
868	99-9102	6	Seal-Valve
1014	99-9090	3	Screw-Metric
1026	99-9103	6	Rod-Push
1029	99-9104	6	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
154B	99-9091	3	Nut-Hex, Metric
615A	99-9099	2	Retainer



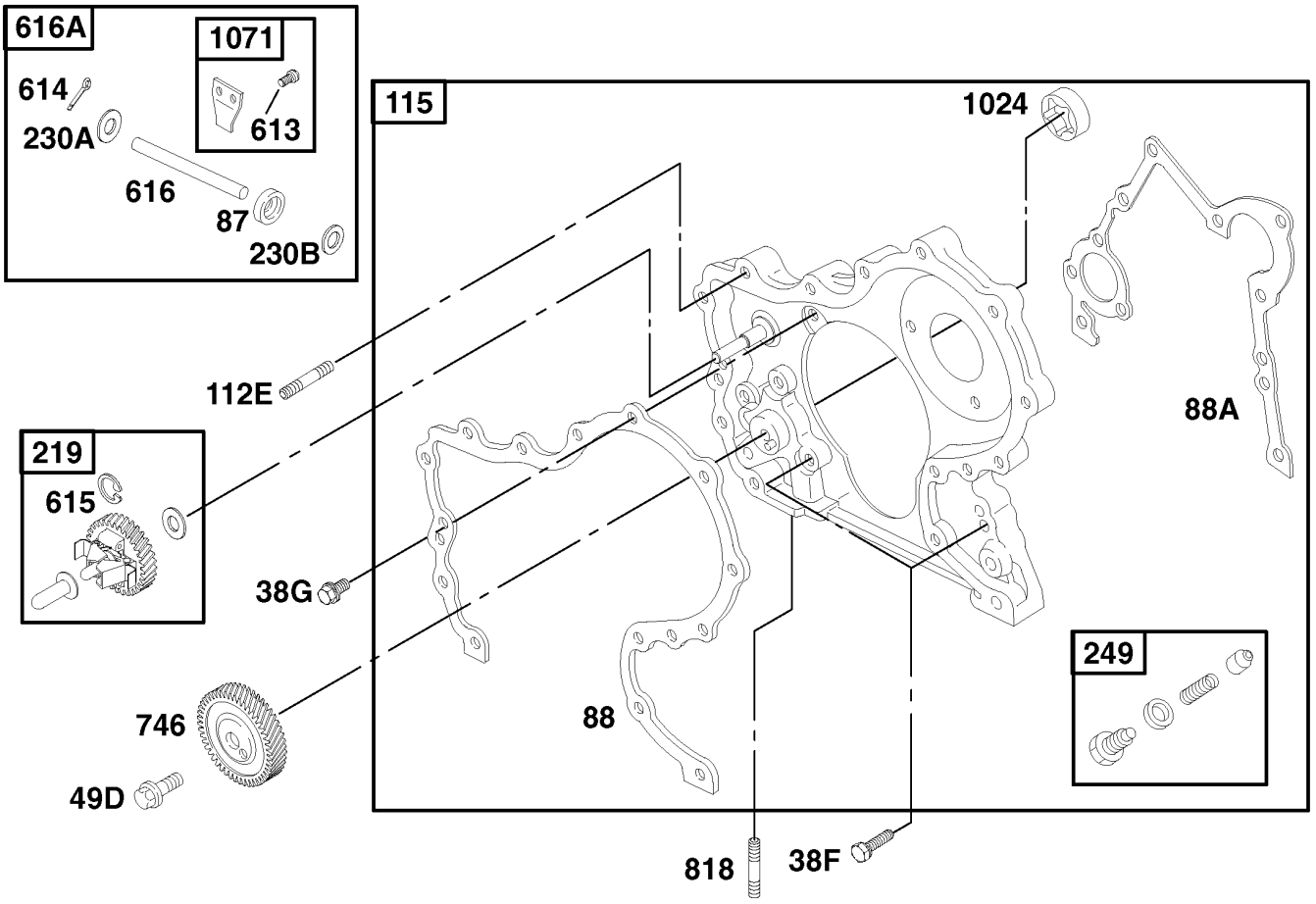
Oil Pan and Dipstick Assembly

Ref.	*Part Number*	*Qty.*	*Description*
15	99-9247	2	Plug-Drain, Oil
239	99-9115	1	Switch-Pressure, Oil
276	99-9249	2	Washer-Seal
479	99-9111	18	Screw-Hex
523	99-9259	1	Dipstick
525	99-9260	1	Tube-Dipstick
818	99-9007	2	Stud-Metric
848	99-9113	2	Nut-Hex, Metric
941	99-9112	2	Stud-Metric
952	99-9114	2	Nut-Hex, Metric
1017	99-9116	1	Screen-Pump, Oil
1041	99-9120	1	Gasket-Strainer, Oil
1078	99-9121	1	Gasket-Pan, Oil
1081	99-9265	1	Seal-O-Ring
1088	99-9241	1	Pan-Oil
1084D	99-9124	1	Connector



Cover Assembly

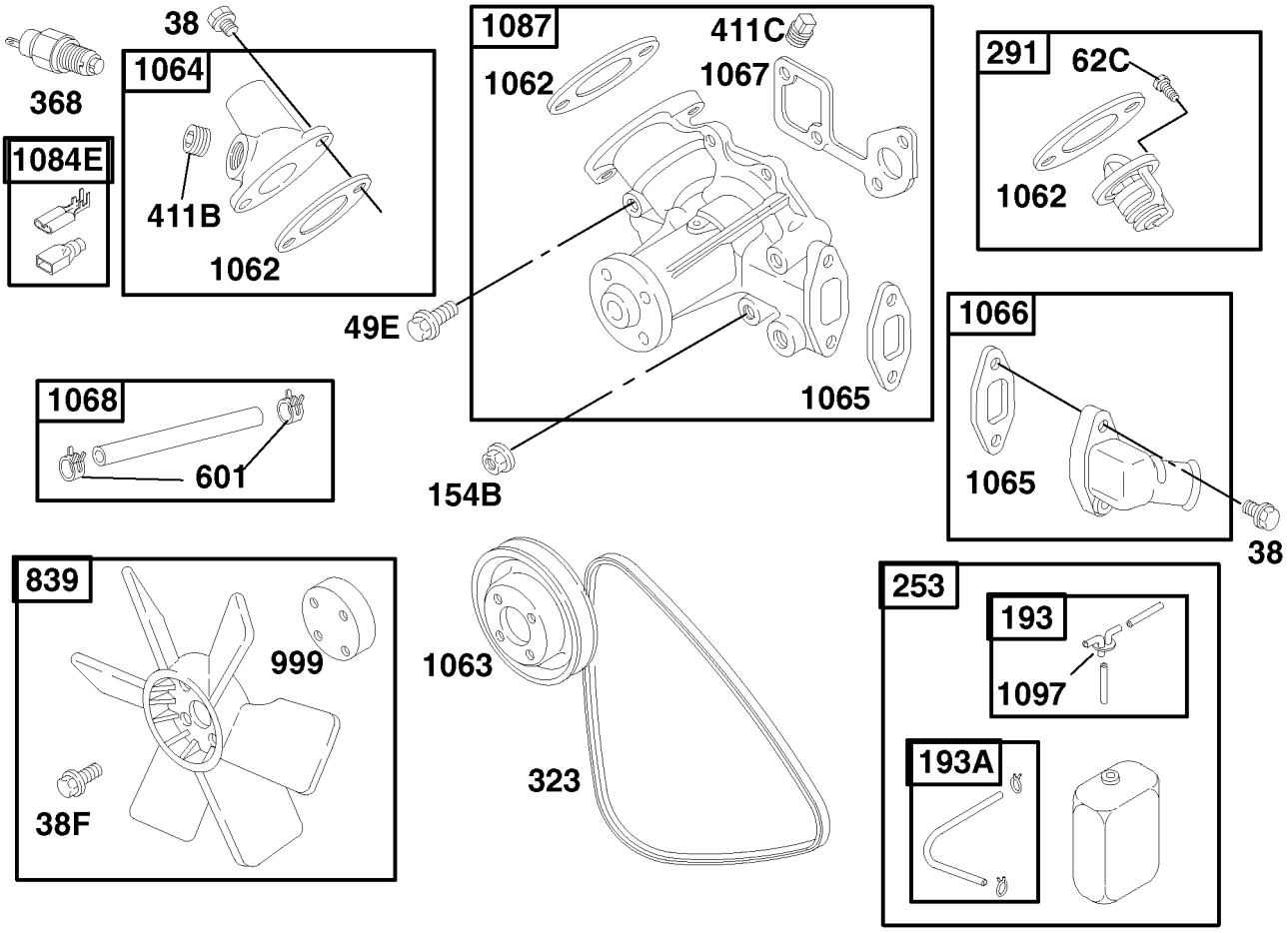
Ref.	*Part Number*	*Qty.*	*Description*
20	99-9126	1	Seal-Oil
86	99-9130	1	Gear Cover ASM
88	99-9132	1	Gasket-Cover, Gear Reduction
38C	99-9127	2	Screw-Hex
38D	99-9128	6	Screw-Hex
38E	99-9129	3	Screw-Hex
691	99-9131	1	Seal-Shaft, Governor
149A	99-9114	2	Nut-Hex, Metric
718B	99-9014	2	Pin-Locating



Gears and Housing Assembly

Ref.	*Part Number*	*Qty.*	*Description*
87	99-9131	1	Seal-Shaft, Governor
88	99-9132	1	Gasket-Cover, Gear Reduction
88A	99-9136	1	Gasket-Cover, Gear Reduction
115	99-9138	1	Housing-Gear
219	99-9261	1	Gear-Governor
249	99-9142	1	Valve-Relief, Oil
38F	99-9133	4	Screw-Hex
38G	99-9134	1	Screw-Hex
49D	99-9135	1	Screw-Hex
613	99-9143	2	Screw-Hex, Torx
614	99-9053	1	Pin-Cotter
615	99-9145	1	Retainer
616	99-9146	1	Crank-Governor
616A	99-9147	1	Crank-Governor
746	99-9656	1	Gear-Drive
818	99-9007	2	Stud-Metric
1024		1	Gear ●
1071	99-9149	1	Paddle-Governor
112E	99-9137	2	Stud-Metric
230A	99-9140	1	Washer-Spacer
230B	99-9141	1	Washer-Spacer

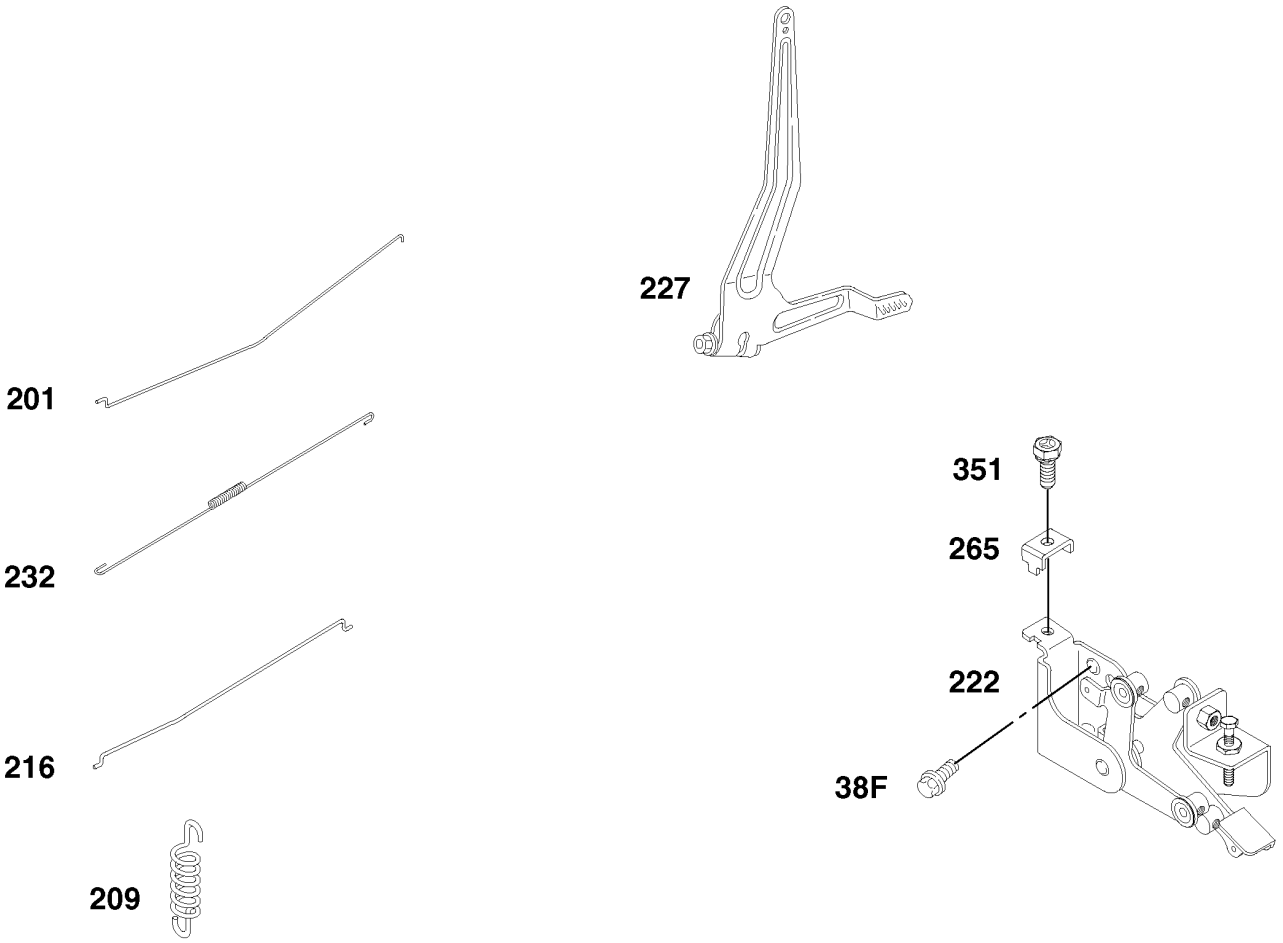
● Not serviced separately



Water Pump and Fan Assembly

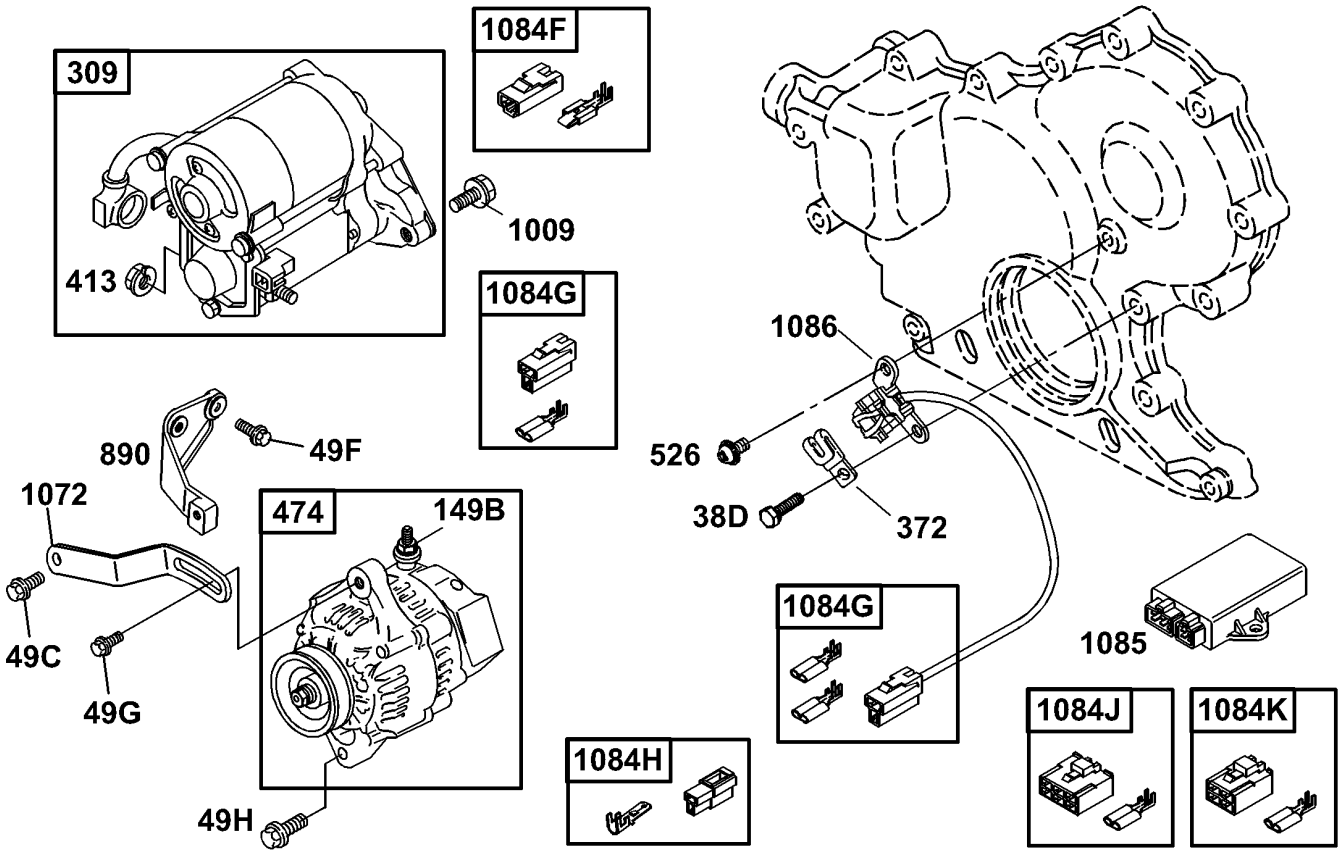
Ref.	Part Number	Qty.	Description
38	99-9004	4	Screw-Hex
38F	99-9133	4	Screw-Hex
193	99-9071	1	Hose-Tank, Reserve
193A	99-9072	1	Hose-Tank, Reserve
253	99-9154	1	Tank-Reserve
291	99-9155	1	Thermostat
323	99-9156	1	Belt-V
368	99-9157	1	Switch-Temperature, Water
49E	99-9151	2	Screw-Hex
601	99-9160	2	Clamp-Hose
62C	99-9152	1	Screw-Metric
839	99-9162	1	Fan-Radiator
999	99-9161	1	Spacer

Ref.	Part Number	Qty.	Description
1062	99-9163	1	Gasket-Housing, Outlet
1063	99-9164	1	Pulley-Pump
1064	99-9165	1	Housing-Outlet
1065	99-9166	1	Gasket-Housing, Inlet
1066	99-9167	1	Housing-Inlet
1067	99-9168	1	Gasket-Pump, Water
1068	99-9169	1	Hose Clamp ASM
1087	99-9170	1	Pump-Water
1097	93-2048	1	Cap-Tank, Overflow
154B	99-9153	1	Nut-Hex, Metric
411B	99-9158	1	Plug
411C	99-9159	1	Plug
1084E	99-9098	1	Connector



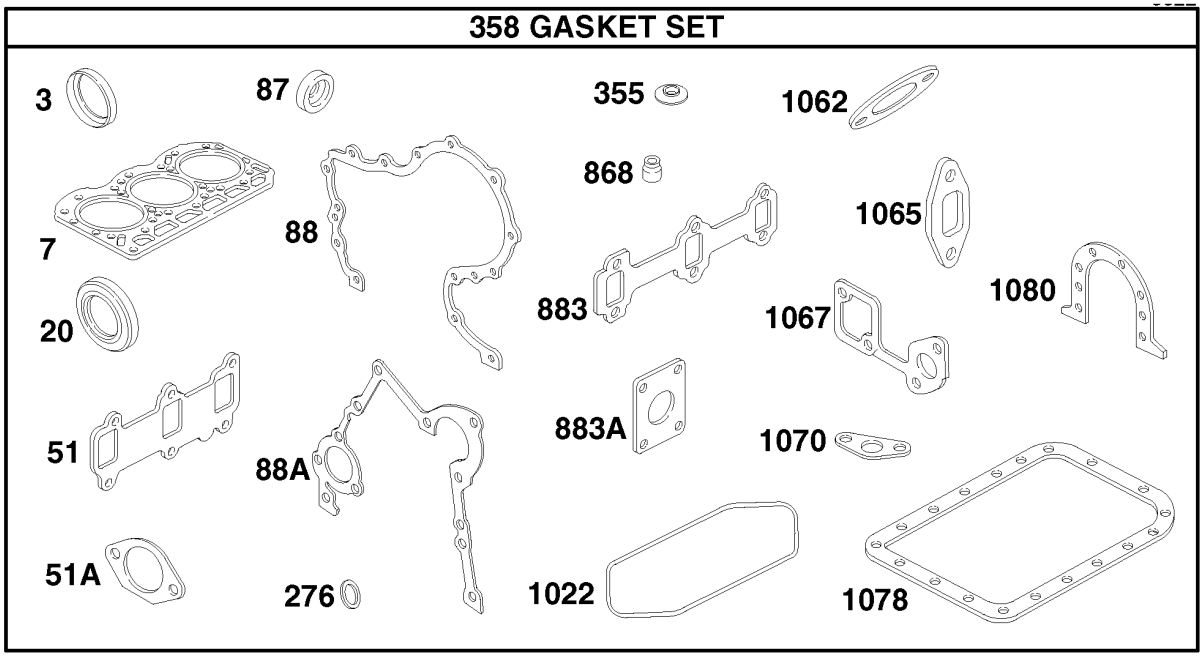
Governor Assembly

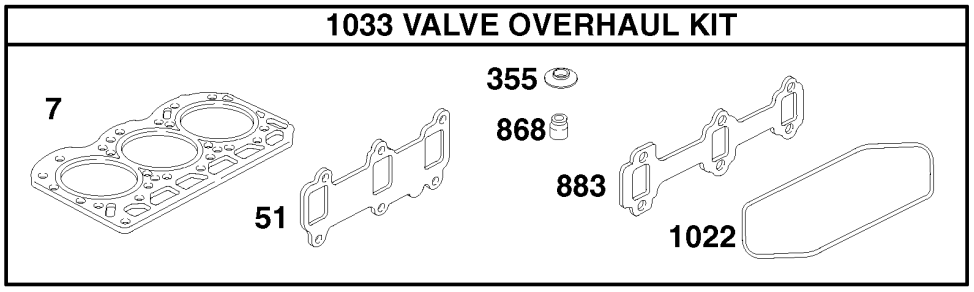
Ref.	*Part Number*	*Qty.*	*Description*
201	99-9187	1	Link-Governor, Mechanical
209	99-9188	1	Spring-Governor
216	99-9189	1	Link-Choke
222	99-9190	1	Bracket-Control
227	99-9191	1	Lever-Governor
232	99-9192	1	Spring-Link, Governor
265	99-9194	1	Clamp-Casing
351	99-9195	1	Screw-Phillips, Hex
38F	99-9181	2	Screw-Hex



Alternator and Starter Assembly

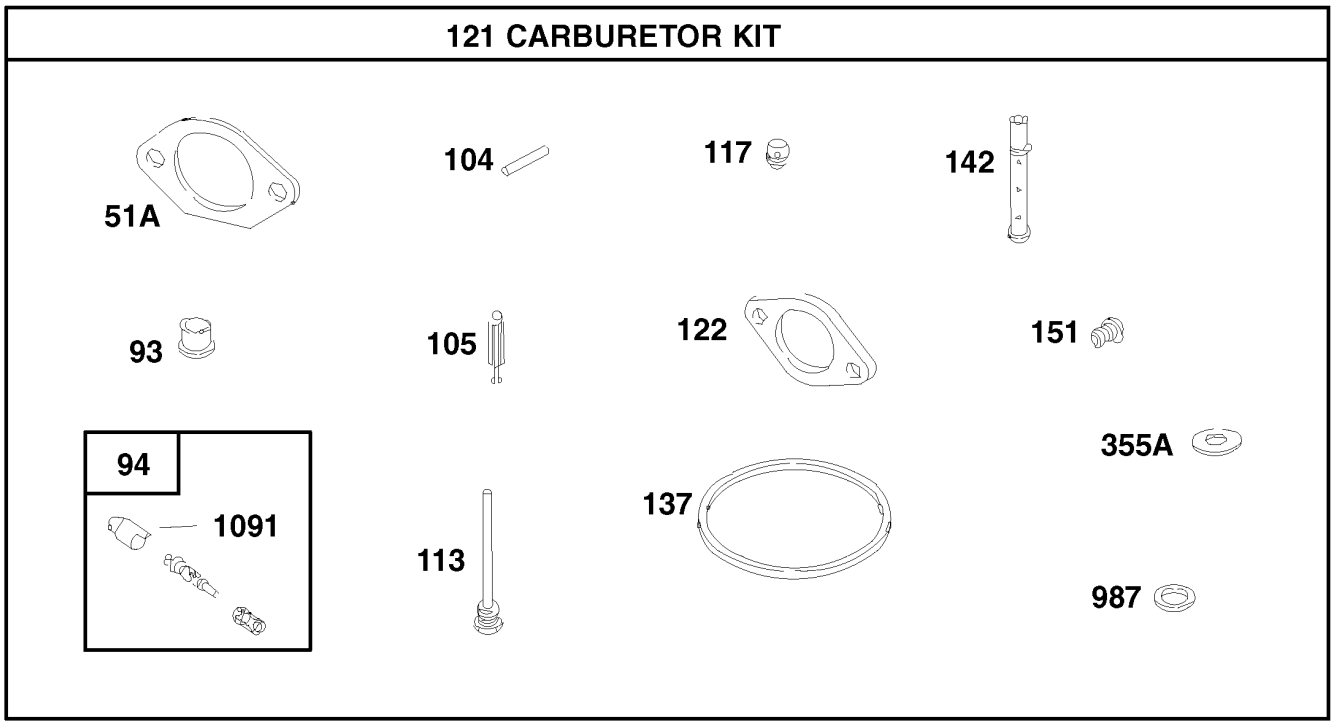
Ref.	*Part Number*	*Qty.*	*Description*
309	99-9207	1	Motor-Starter
372	99-9208	1	Clamp
38D	99-9128	1	Screw-Hex
413	99-9206	1	Nut-Hex, Metric
474	99-9209	1	Alternator
49C	99-9202	1	Screw-Hex
49F	99-9203	2	Screw-Hex
49G	99-9105	1	Screw-Hex
49H	99-9205	1	Screw-Hex, Metric
526	99-9210	1	Screw-Phillips
890	99-9211	1	Bracket-Support
1009	99-9201	2	Screw-Hex
1072	99-9212	1	Bracket-Adjusting
1085	99-9262	1	Module-Ignition
1086	99-9217	1	Trigger-Ignition
149B	99-9114	1	Nut-Hex, Metric
1084F	99-9144	1	Connector
1084G	99-9213	1	Connector
1084H	99-9199	1	Connector
1084J	99-9214	1	Connector
1084K	99-9215	1	Connector





Gasket Set and Valve Overhaul Kit

Ref.	*Part Number*	*Qty.*	*Description*
3	99-9003	1	Seal-Oil
7	99-9254	1	Gasket-Head, Cylinder
20	99-9126	1	Seal-Oil
51	99-9173	1	Gasket-Intake
51A	99-9182	1	Gasket-Intake
87	99-9131	1	Seal-Shaft, Governor
88	99-9132	1	Gasket-Cover, Gear Reduction
88A	99-9136	1	Gasket-Cover, Gear Reduction
276	99-9117	2	Washer-Seal (12Mm)
276	99-9249	2	Washer-Seal
355	99-9063	1	Washer-Seal
358	99-9263	1	Engine Gasket Set
868	99-9102	1	Seal-Valve
883	99-9178	1	Gasket-Exhaust
883A	99-9179	1	Gasket-Exhaust
1022	99-9073	1	Gasket-Cover, Rocker
1033	99-9264	1	Valve Overhaul Kit
1062	99-9163	1	Gasket-Housing, 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



Carburetor Kit

Ref.	*Part Number*	*Qty.*	*Description*
93		1	Bushing ●
94	99-9224	1	Valve-Idle Adj.
104	99-9226	1	Pin-Float Hinge
105	99-9227	1	Valve-Needle
113	99-9228	1	Tube-Jet
117	99-9229	1	Jet-Main
121	99-9231	1	Carbuertor Kit
122	99-9184	1	Spacer-Carburetor
137	99-9234	1	Gasket-Bowl, Float
142	99-9236	1	Nozzle-Carburetor
151	99-9237	1	Screw-Cross / Slotted
51A	99-9182	1	Gasket-Intake
987		1	Collar ●
1091	99-9246	1	Cap-Limiter
355A	99-9240	1	Washer-Seal

● Not serviced separately

Attachments and Accessories

For 30343 Groundsmaster 3320 Traction Unit

Product Name	Model/Part
Premium Engine Oil, 10w30 (Drum)	108-1179
Premium Engine Oil, 10w30 (Pail)	108-1180
Premium Transmission/Hydraulic Tractor Fluid (Drum)	108-1183
Premium Transmission/Hydraulic Tractor Fluid (Pail)	108-1184
Premium All Purpose Grease	108-1190
Wheel	108-6563
Wheel And Tire ASM (Wide Tire Option)	108-6598
Armrest Adapter Kit	108-9687
Wheel Weight Kit	11-0440
Auxiliary Valve Kit	110-5670
Implement Flow Control Kit	110-5699
Blower Drive and Mounting Kit	110-8539
Attachment Frame Kit	110-8540
5in Air Cleaner Safety Element	114-4057
Tire	231-95
Rear Weight Kit	24-5780
V-Plow Mounting Kit	30311
Mechanical Seat Suspension Kit	30312
Pneumatic Seat Suspension Kit	30313
15 Cubic Foot Bagger Kit	30356
60in Blower Kit	30357
Bimini Sunshade for 2-Post Roll-Over Protection System	30358
Hardtop Sunshade	30359
60in Side Discharge Mower	30366
72in Side Discharge Mower	30368
Auxiliary Power Unit	30382
Cab ASM	30391
Standard Seat Kit	30398
Base 62in Mower	30403
Base 72in Mower	30404
52in Blower Kit	30502
52in Side Discharge Mower	30555
Arm Rest Kit	30707
48in V-Plow	30750
Debris Blower	30823
Tire	69-9880
Spark Arrestor Screen	75-6880
Tire Chains (23 x 9.50-12)	82531



Count on it.