



Count on it.

Parts Catalog

HydroJect® 3000 Aerator

Model No. 09801—Serial No. 210000001 and Up

PROTOTYPE

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

CW: clockwise

DEG: degrees

DPA: Dual Point Adjustment

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

HYD: hydraulic

LH: left hand

LP: Liquid Propane

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

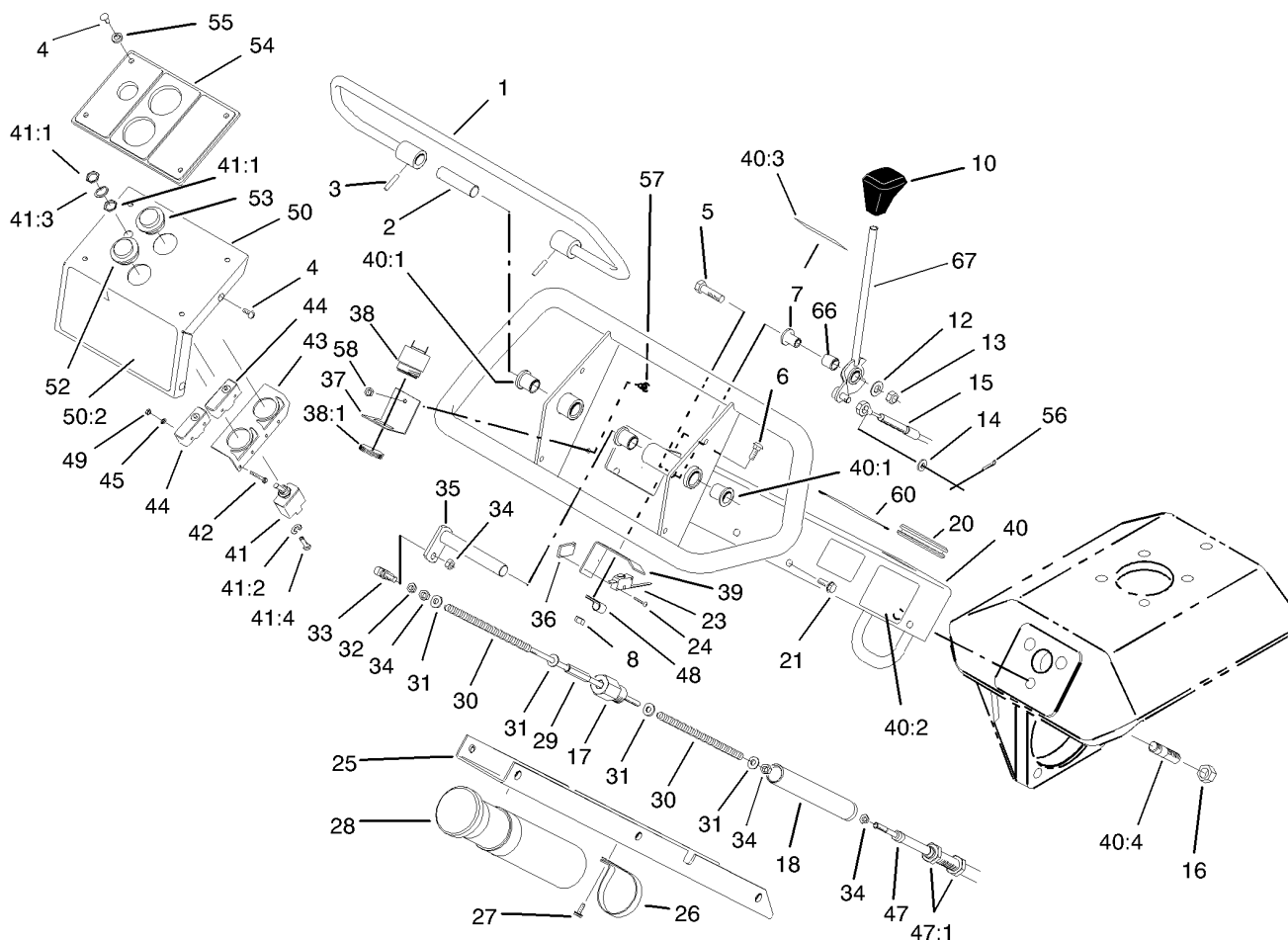
TAP: self tapping

TTH: torx truss head

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PROTOTYPE

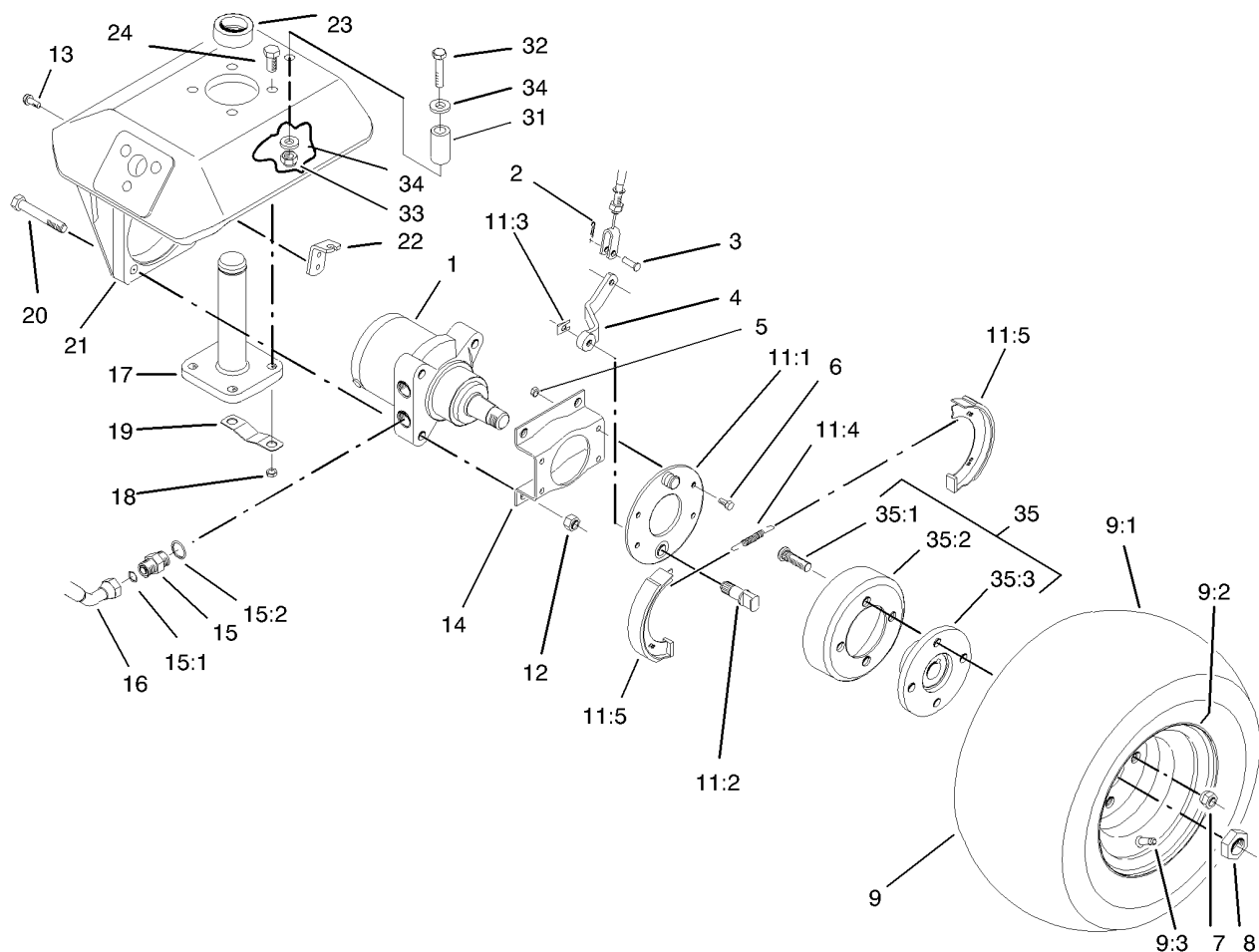


Handle Assembly (continued)

Ref.	Part Number	Qty.	Description
50:2	80-8020	1	Decal-Warning
52	80-9300	1	Button-Red, Switch
53	80-9290	1	Button-Green, Switch
54	80-9240	1	Panel-Control
55	3256-14	4	Washer-Flat
56	3272-10	1	Pin-Cotter

Ref.	Part Number	Qty.	Description
57	32105-2	1	Screw-SHWH
58	3296-2	1	Nut-Lock, NI
60	93-9429	1	Decal-Warning
66	256-206	1	Bushing
67	86-8420	1	Lever-Brake

PROTOTYPE

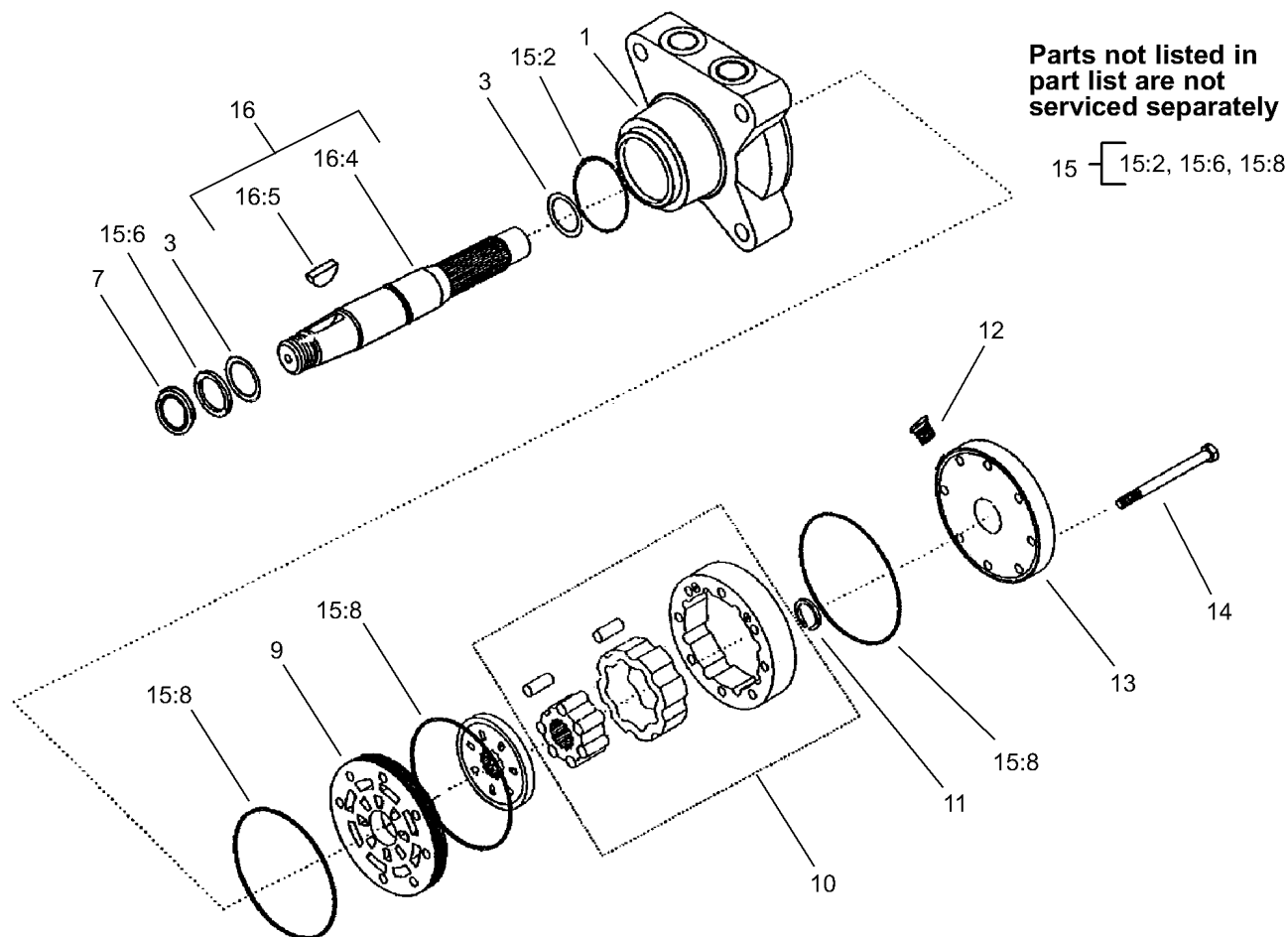


Front Wheel Assembly

Ref.	Part Number	Qty.	Description
1	105-4063	1	Motor-HYD
2	3272-10	1	Pin-Cotter
3	283-62	1	Pin-Clevis
4	80-7400-03	1	Lever-Brake
5	3296-42	4	Nut-Lock, NI
6	321-4	4	Screw-HH
7	242-50	4	Nut-Lug
8	26-3790	1	Nut-Lock
9		1	Wheel And Tire ASM ●
9:1	28-3680	1	Tire
9:2	217-60	1	Rim
9:3	232-27	1	Stem-Valve
9:5	232-37	1	Tube
11	104-7705	1	Brake ASM
11:1	70-9870	1	Plate-Backing
11:2	104-7707	1	Shaft-Cam, Brake
11:3	104-7706	1	E-Ring, Bowed
11:4	70-9880	2	Spring-Return
11:5	70-9840	2	Shoe-Brake
12	3296-23	4	Nut-Lock, NI
13	32144-22	2	Screw

Ref.	Part Number	Qty.	Description
14	84-2000-03	1	Bracket-Brake
15	340-6	2	Fitting-HYD, Straight
15:1	237-30	1	O-Ring
15:2	237-80	1	O-Ring
16	80-7370	2	Hose ASM
17	80-9790-03	1	Shaft-Steering
18	3296-45	2	Nut-Lock, NI
19	80-9730	1	Guide-Cable
20	325-14	4	Screw-HH
21	86-8270-01	1	Arm-Steering
22	86-8290	1	Support-Cable
23	86-8600	1	Spacer-Steering
24	325-6	4	Screw-HH
31	105-1224	1	Tube-Spacer
32	325-12	1	Screw-HH
33	3296-23	1	Nut-Lock, NI
34	3256-26	2	Washer-Flat
35	10-6820	1	Brake Drum ASM
35:1	10-6830	4	Stud-Type, Drive
35:2	10-6850	1	Drum-Brake
35:3	10-6870-03	1	Hub-Wheel

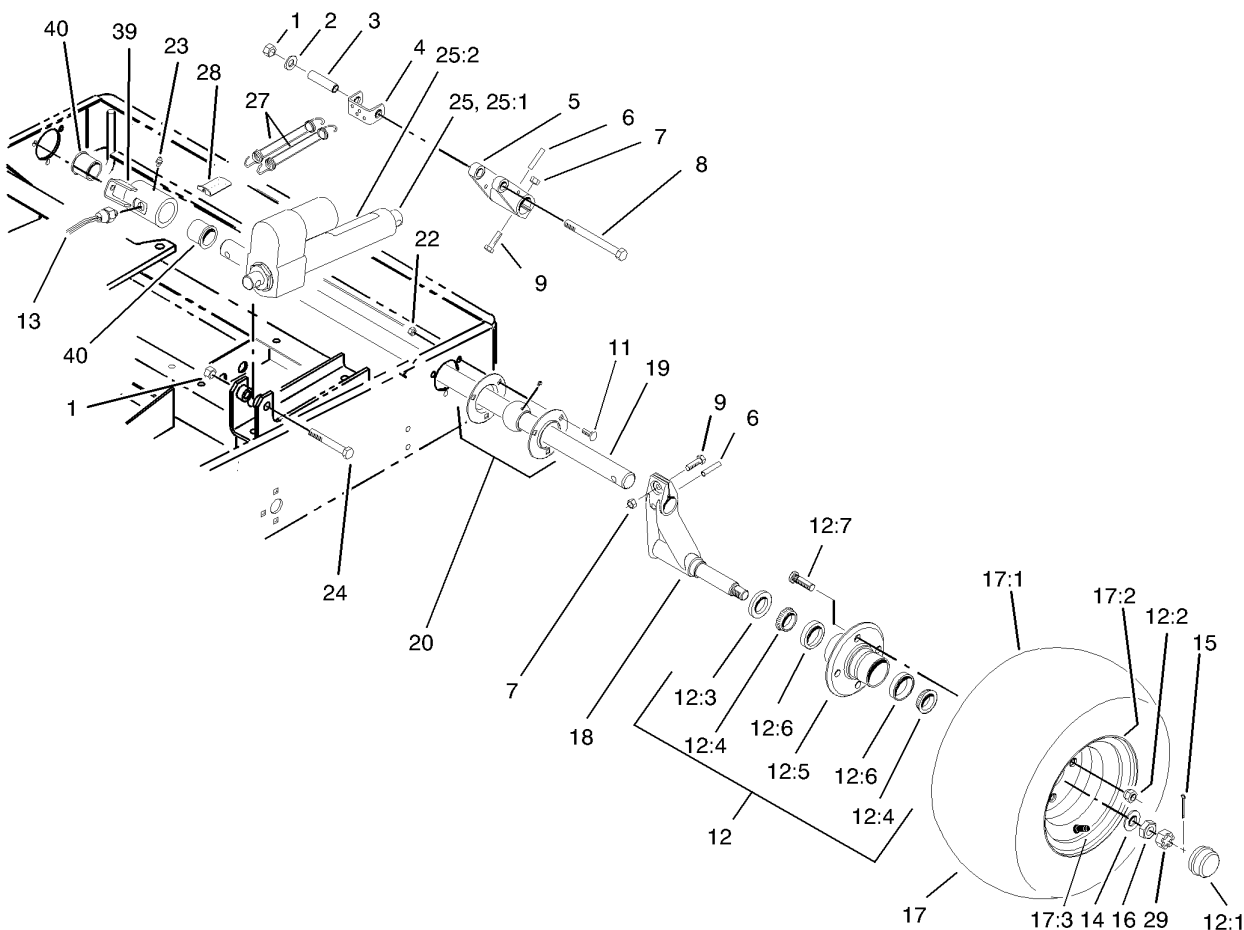
● Not serviced separately



Hydraulic Drive Motor Assembly No. 105-4063

Ref.	Part Number	Qty.	Description
1		1	Body ●
3		2	Washer-Thrust ●
7		1	Ring-Retaining ●
9		1	Plate-Commutator ●
10	105-4065	1	Igr Kit
11		1	Ring-Retaining ●
12		1	Plug ●
13		1	Cover/Bearing ASM ●
14		8	Capscrew ●
15	105-4064	1	Seal Kit
15:2		1	Seal-Dust ●
15:6		1	Seal Retainer ASM ●
15:8		3	Seal-Ring, Square ●
16	105-4066	1	Shaft Kit
16:4		1	Shaft ●
16:5		1	Key-Woodruff ●

● Not serviced separately

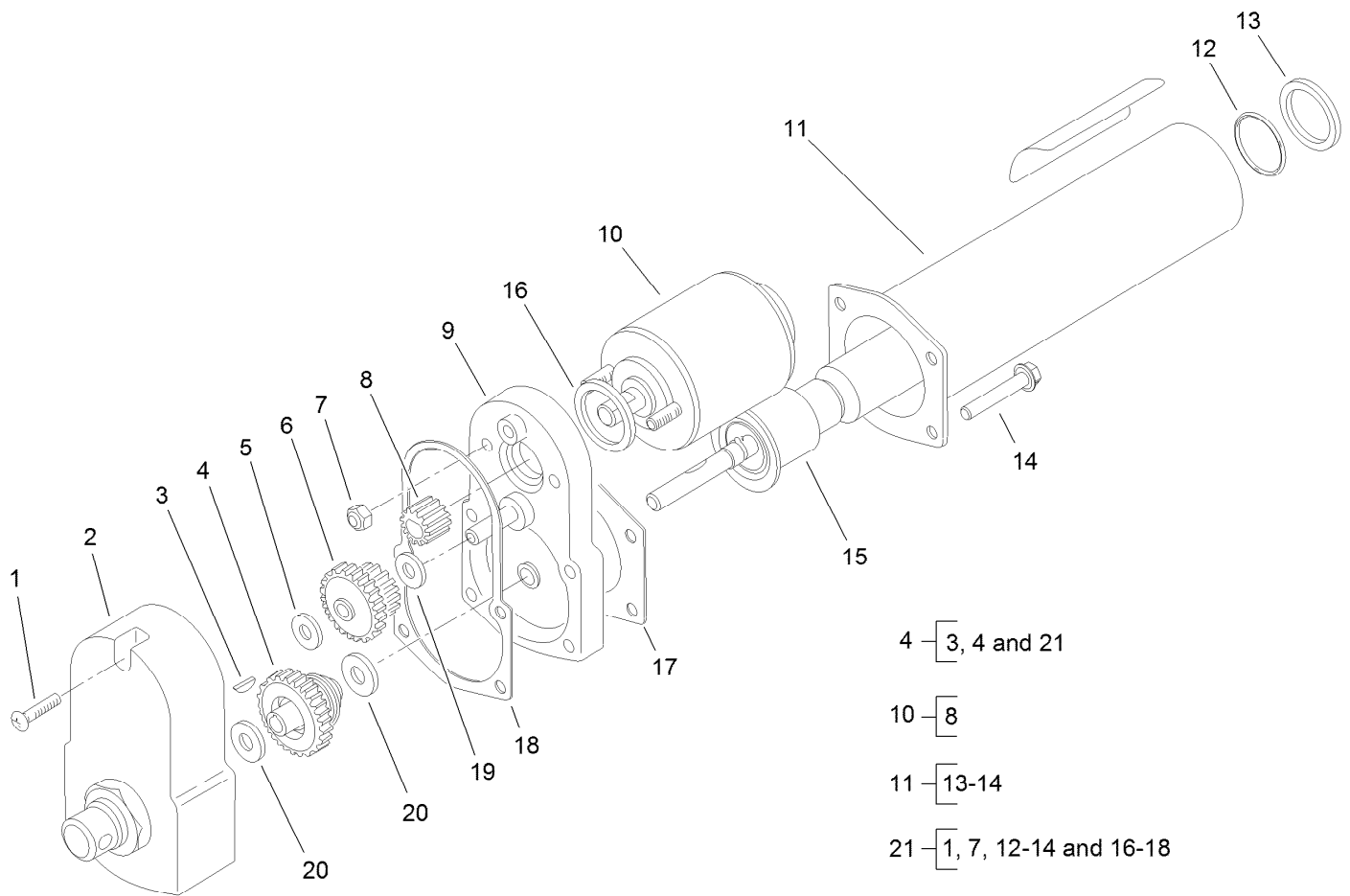


Rear Axle Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	3296-45	2	Nut-Lock, NI	17		2	Wheel And Tire ASM ■
2	3256-26	1	Washer-Flat	17:1	28-3680	1	Tire
3	80-7970	1	Tube-Return	17:2	217-60	1	Rim
4	80-7960	1	Bracket-Spring	17:3	232-27	1	Stem-Valve
5	80-5140-03	1	Lever-Lift	17:5	232-37	1	Tube ●
6	32121-66	3	Pin-Roll	18	93-1663-01	2	Arm-Lift, Masked
7	3296-39	3	Nut-Lock, NI	19	86-8690	1	Shaft-Lift
8	325-22	1	Screw-HH	20	80-5560	2	Bushing ASM
9	323-7	3	Screw-HH	22	3296-29	6	Nut-Lock, NI
11	3230-22	6	Screw-CARR	23	302-5	1	Fitting-Grease
12	80-6570	2	Hub ASM	24	325-14	1	Screw-HH
12:1	241-119	1	Cap-Dust	25	14-5219	1	Lift Actuator ASM
12:2	242-50	4	Nut-Lug	25:1		1	Actuator-Linear ■
12:3	253-129	1	Seal	25:2	80-8010	1	Decal-Warning, Keep Hands Away
12:4	254-94	2	Bearing-Cone, Tapered	25:2	83-6150	1	Decal-Warning (Japan)
12:5	80-6580	1	Hub	25:2	93-9367	1	Decal-Warning
12:6	254-72	2	Bearing-Cup, Tapered	27	80-7870	2	Spring-Extension
12:7	10-6830	4	Stud-Type, Drive	28	80-8270	1	Bracket-Speed Adjust
13	72-4310	1	Switch-Ball	29	93-0307	2	Nut-Lock, Retainer
14	93-0309	2	Washer-Tab	39	86-9030	1	Switch-Limit
15	3272-13	2	Pin-Cotter	40	256-268	2	Bushing
16	3220-7	2	Nut-Jam				

● Not illustrated

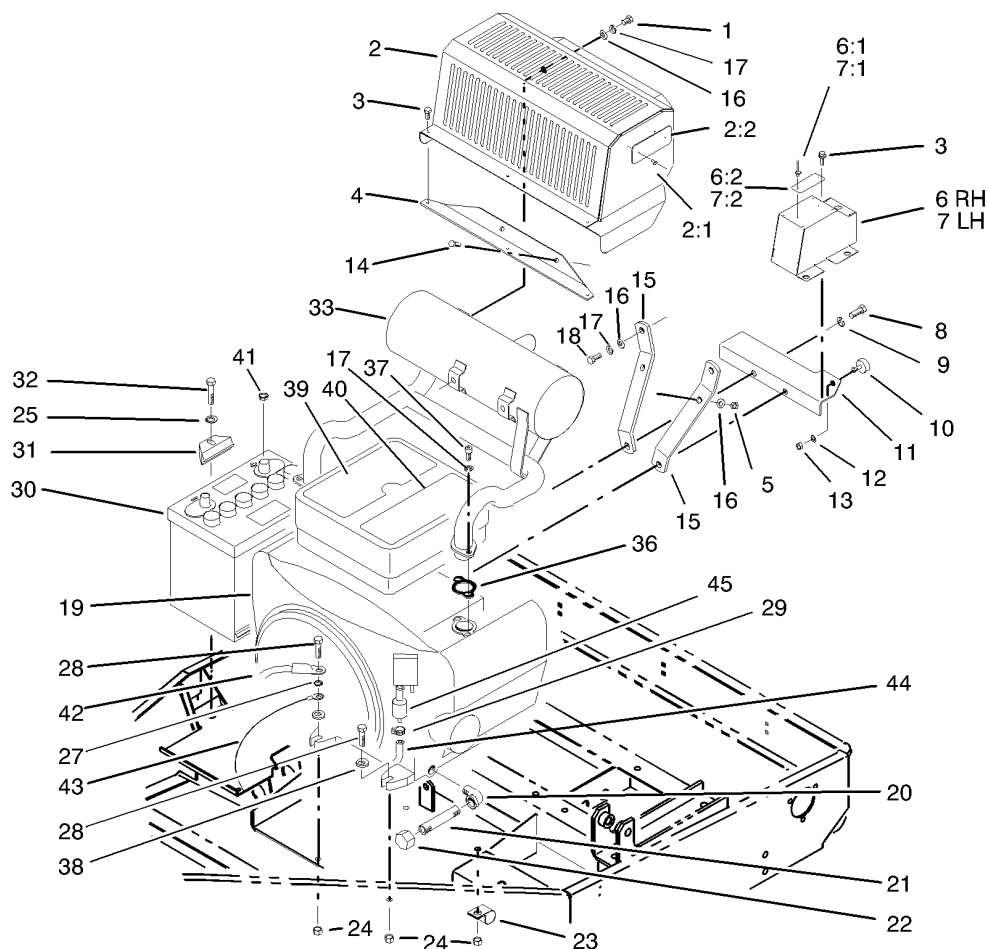
■ Not serviced separately



Lift Actuator Assembly No. 14-5219

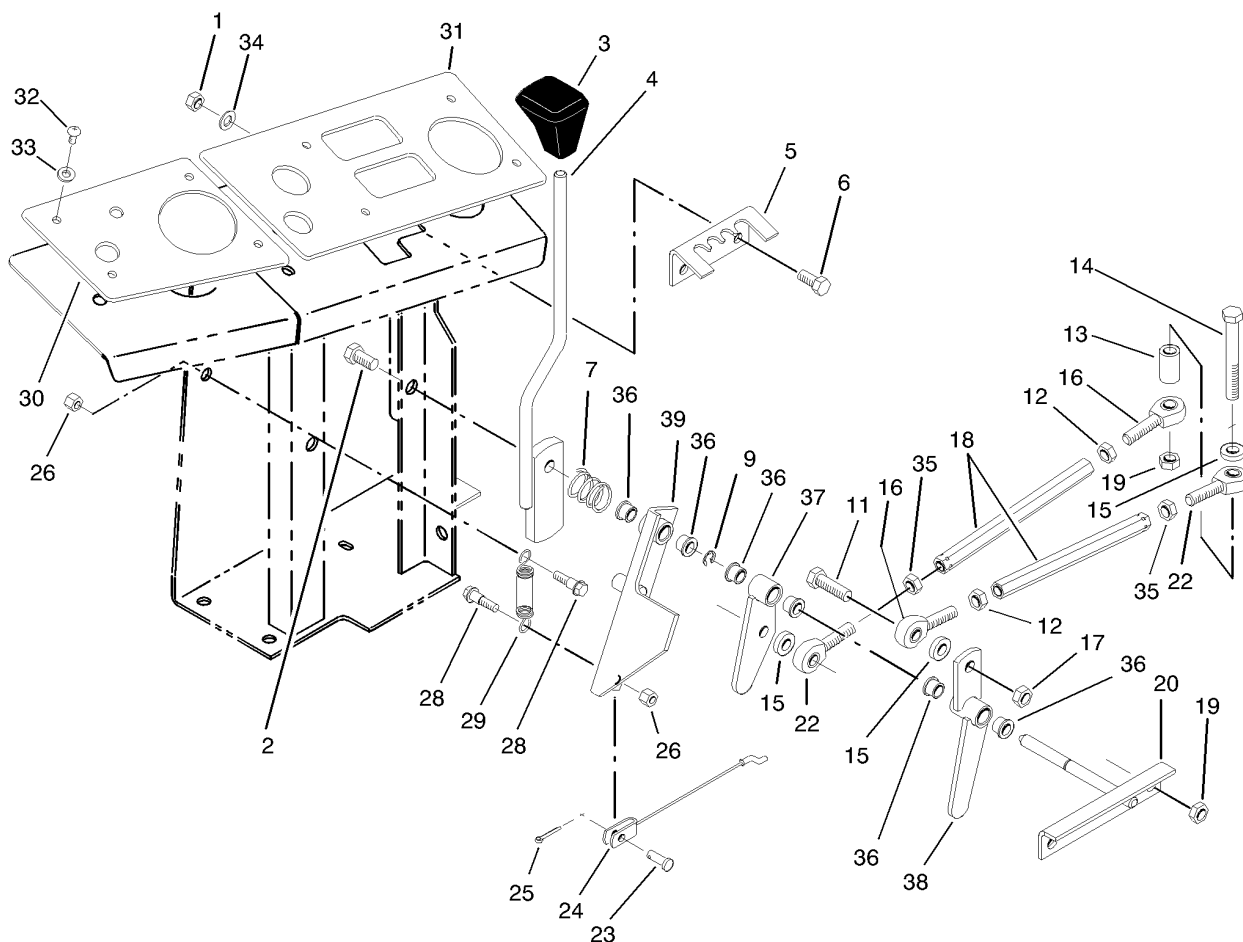
Ref.	Part Number	Qty.	Description
1		1	Screw ●
2		1	Rear Housing ASM ●
3		1	Key-Woodruff ●
4	80-5530	1	Clutch Kit
5		1	Washer ●
6		1	Gear-Intermediate ●
7		2	Nut-Hex ●
8		1	Gear-Motor ●
9		1	Front Housing ASM ●
10	80-5540	1	Motor-12V
11	80-5520	1	Cover Tube ASM
12		1	Seal-Dust ●
13		1	Seal-Lip ●
14		4	Screw-HWH ●
15		1	Ball Screw And Brake ASM ●
16		1	Seal-Motor ●
17		1	Gasket-Tube,Cover ●
18		1	Gasket-Housing ●
19		1	Washer ●
20		2	Washer ●
21	80-5550	1	Seal Kit

● Not serviced separately



Engine Installation Assembly

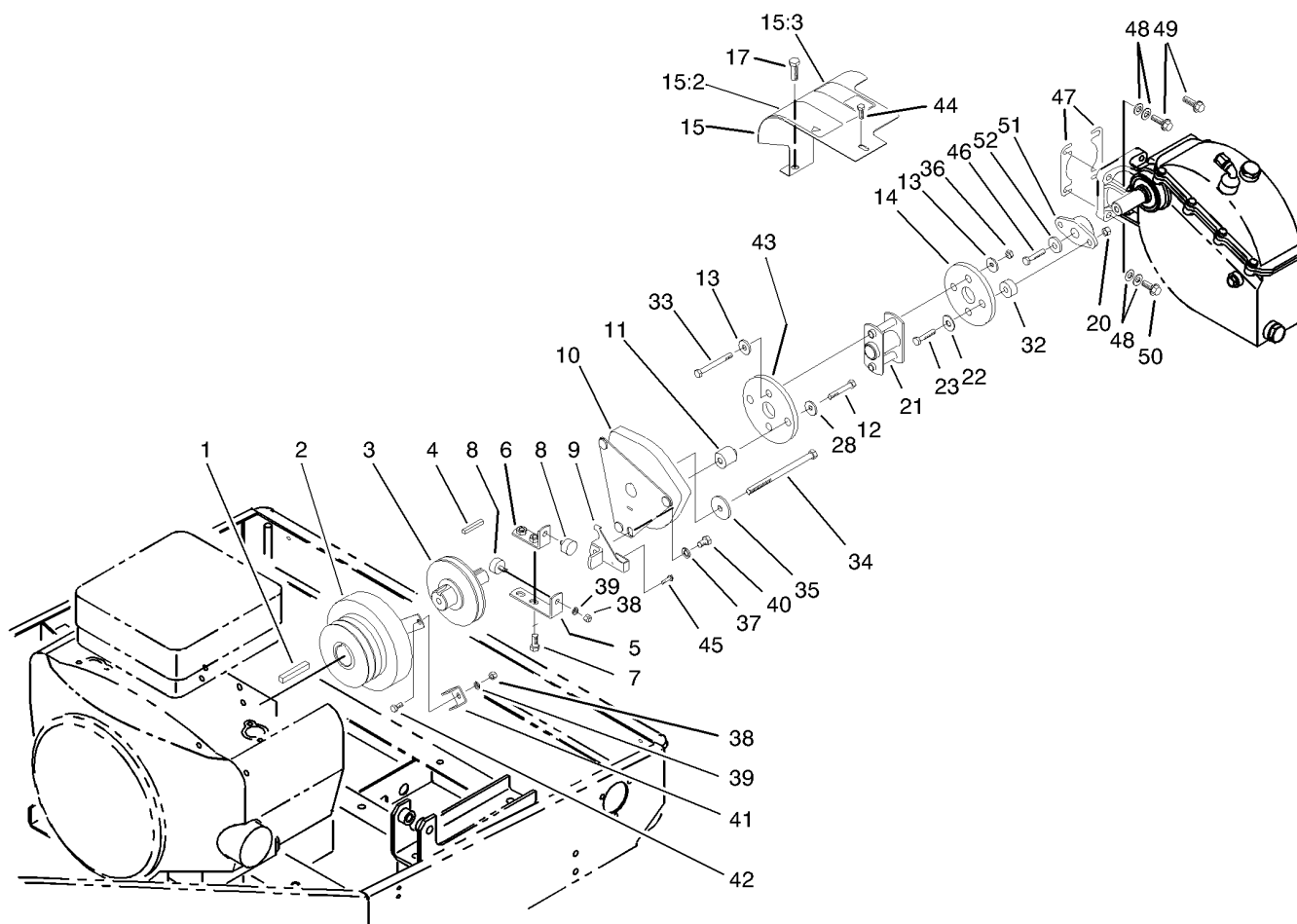
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	322-1	2	Screw-HH	19	86-8990	1	Engine, 24 Hp
2	14-5229	1	Muffler Guard ASM	20	2811-10	1	Elbow-Street, 90 DEG
2:1	3269-32	6	Rivet-Pop	21	289-48	1	Nipple
2:2	80-8290	3	Plate-Surface, Hot	22	288-4	1	Cap-Pipe
3	32144-114	5	Screw-HWH	23	2412-126	2	R-Clamp
4	80-9150-03	1	Support-Muffler Shield	24	32128-21	4	Nut-HF
5	32152-1	2	Nut-Lock, Cone	25	3256-24	1	Washer-Flat
6	14-5249	1	Shield-Engine, RH	27	3255-9	1	Washer-Lock
6:1	3269-32	2	Rivet-Pop	28	323-19	4	Screw-HH
6:2	80-9350	1	Plate-Hot Surface	29	2412-108	1	Clamp-Worm
7	14-5239	1	Shield-Engine, LH	30	80-6791	1	Battery (Dry)
7:1	3269-32	2	Rivet-Pop	31	66-2490	1	Retainer-Battery
7:2	80-9350	1	Plate-Hot Surface	32	323-9	1	Screw-HH
8	323-6	2	Screw-HH	33	80-5650	1	Muffler
9	3253-21	2	Washer-Lock	36	82-1520	2	Gasket-Exhaust
10	240-14	1	Bumper-Rubber	37	3274-10	4	Screw-HSH
11	80-7700-03	1	Bracket-Support	38	52-5980	2	Spacer-Pivot Arm, Rear
12	3253-3	1	Washer-Lock	39	80-9940	1	Decal
13	3217-5	1	Nut-Hex	40	80-9950	1	Decal
14	322-4	2	Screw-HH	41	32149-10	2	Nut-Keps
15	80-7680-03	2	Support-Muffler	42	86-8470	1	Cable-Battery, Negative
16	3256-23	6	Washer-Flat	43	86-8940	1	Harness-Wire
17	3253-4	8	Washer-Lock	44	56-2241	1	Hose-Gas Line
18	322-3	2	Screw-HH	45	71-5960	1	Filter-Fuel



Control Linkage Assembly

Ref.	Part Number	Qty.	Description
1	3296-29	2	Nut-Lock, NI
2	323-4	2	Screw-HH
3	65-8970	1	Knob-Shift
4	80-8400	1	Control-Speed
5	80-7670	1	Plate-Control, Speed
6	322-3	2	Screw-HH
7	80-7890	1	Spring-Compression
9	32151-47	1	Ring-Retaining
11	323-7	2	Screw-HH
12	3220-3	2	Nut-HJ
13	80-7590	1	Spacer
14	323-14	1	Screw-HH
15	80-7730	3	Spacer
16	2411-50	2	End-Rod, LH
17	3296-59	2	Nut-Lock, NI
18	80-7580	2	Rod-Adjustment, Speed
19	3296-39	2	Nut-Lock, NI
20	80-7600	1	Pin-Pivot

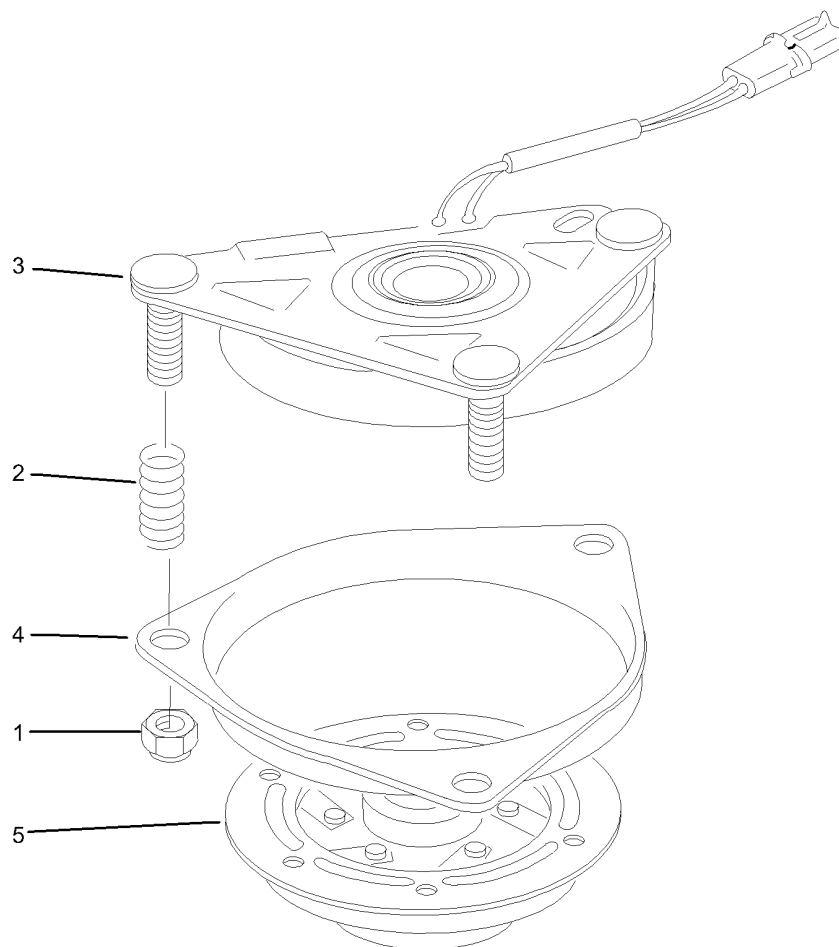
Ref.	Part Number	Qty.	Description
22	2411-51	2	End-Rod, RH
23	283-67	1	Pin-Clevis
24	80-8430	1	Cable-Control, Speed
25	3272-4	1	Pin-Cotter
26	3296-56	2	Nut-Lock, NI
28	42-3560	2	Bolt-Shoulder
29	66-4160	1	Spring-Solenoid, Upper
30	80-8150	1	Panel-Control, Plastic
31	80-8110	1	Control-Engine, Plastic
32	32104-60	8	Screw-HWH
33	3256-14	8	Washer-Flat
34	3256-23	2	Washer-Flat
35	3219-20	2	Nut-Hex, LH
36	256-116	6	Bushing-Flange
37	80-7000	1	Pivot
38	80-7830	1	Pivot
39	80-7540	1	Stop-Speed



Gearbox Drive Assembly

Ref.	Part Number	Qty.	Description
1	80-6140	1	Key-Square
2	80-5430	1	Clutch-Pump
3	80-9520	1	Pulley-Shaft, Clutch
4	7-0238	1	Key-Square
5	80-9780	1	Stop-Clutch
6	80-9760	1	Stop-Clutch
7	323-6	2	Screw-HH
8	240-14	2	Bumper-Rubber
9	86-8650	1	Stop-Clutch
10	86-8160	1	Clutch And Brake ASM
11	80-9920	2	Adapter-Clutch
12	323-10	2	Screw-HH
13	3256-23	4	Washer-Flat
14	80-8650	1	Coupling-Drive
15	14-5169	1	Shield-Shaft, Drive
15:2	80-8000	1	Decal-Warning
15:3	80-8040	1	Decal-Warning
17	32144-67	1	Screw
20	32152-5	2	Nut-Hex
21	86-8950	1	Coupler-Drive
22	80-8620	2	Spacer-Coupler
23	3210-8	2	Screw-HH
28	3256-24	2	Washer-Flat
32	80-8660	2	Spacer-Coupler

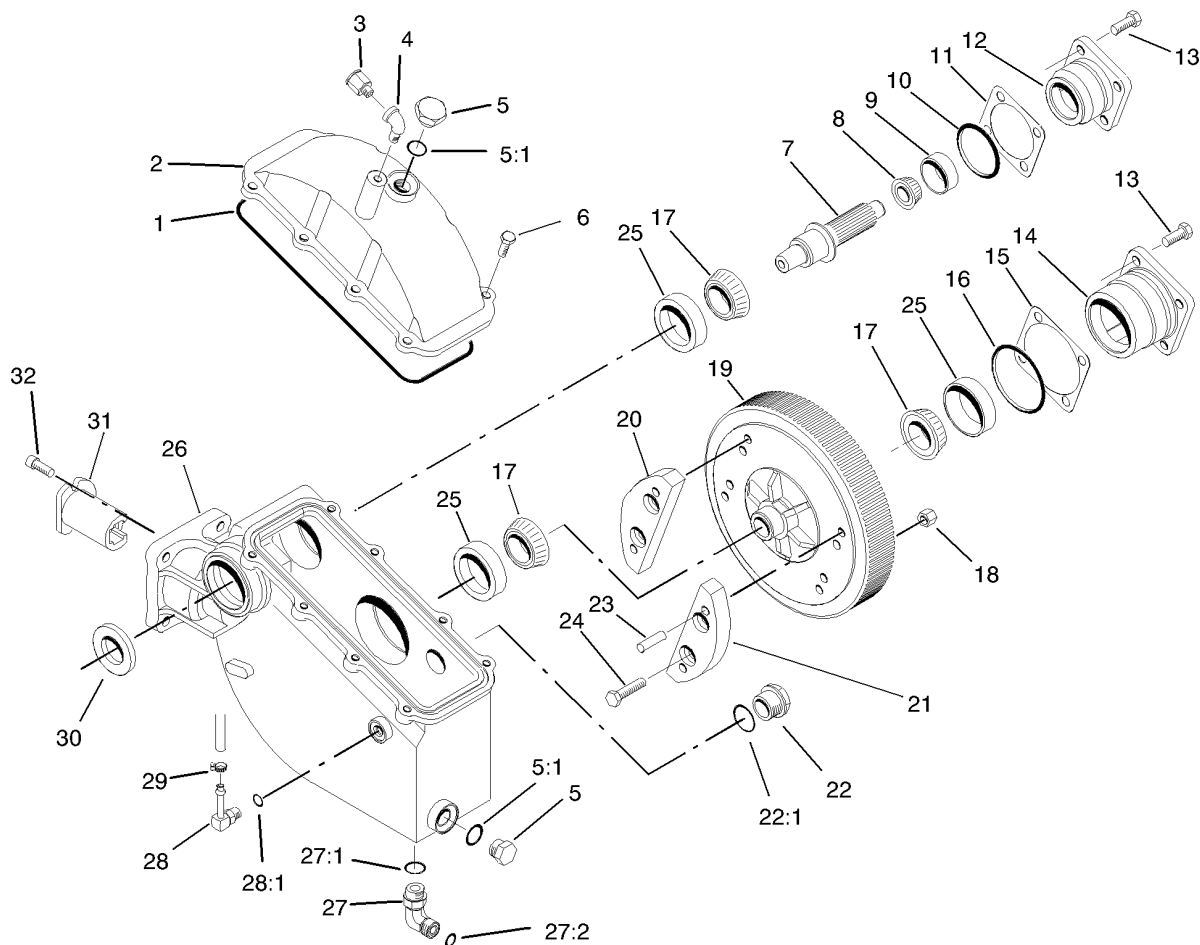
Ref.	Part Number	Qty.	Description
33	3210-14	2	Screw-HH
34	3211-38	1	Screw-HH
35	80-8560	1	Washer-Hardened
36	3296-20	2	Nut-Lock, NI
37	3253-21	1	Washer-Lock
38	3217-5	3	Nut-Hex
39	3253-3	3	Washer-Lock
40	323-2	1	Screw-HH
41	86-8680	1	Retainer-Clutch
42	321-3	1	Screw-HH
43	80-9910	1	Coupler-Drive
44	32104-95	1	Screw-HWH
45	32144-53	1	Screw-SHWH, Thd Form
46	3210-8	1	Screw-HH
47	80-7053	4	Shim-Gearbox (.020 Yellow)
47	80-7052	4	Shim-Gearbox (.015 Pink)
47	80-7051	4	Shim-Gearbox (.005 Blue)
47	80-7050	4	Shim-Gearbox (.002 Red)
48	3256-24	6	Washer-Flat
49	323-44	2	Screw-HH
50	323-46	2	Screw-HH
51	80-8180	1	Hub-Adapter
52	80-8570	1	Washer-Hardened



Electric Clutch Assembly No. 86-8160

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	3296-6	3	Nut-Lock
2	44-8320	3	Spring
3	67-7050	1	Field And Rotor ASM
4	67-7100	1	Plate-Brake
5	86-8170	1	Armature-Hub

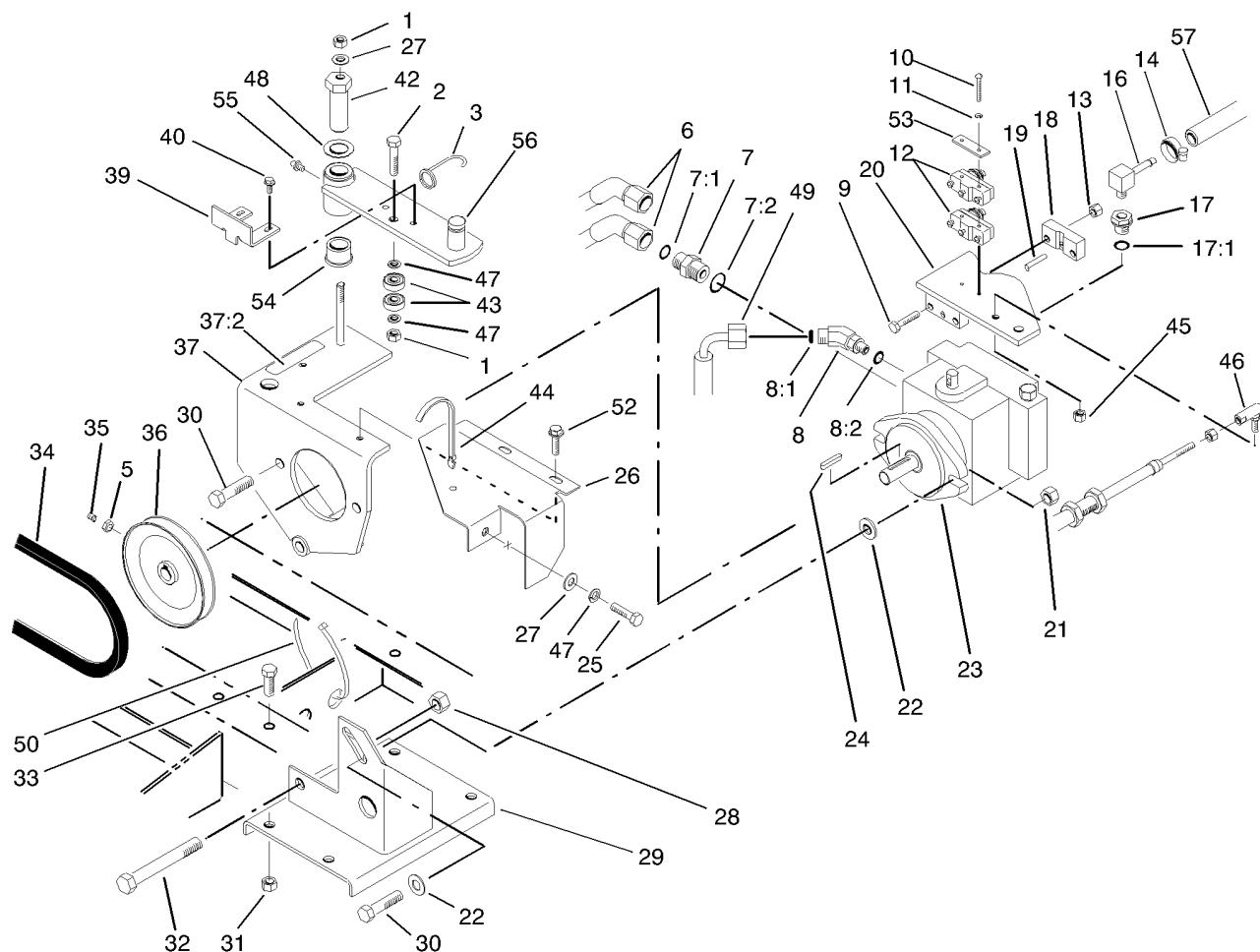
PROTOTYPE



Gearbox Assembly

Ref.	Part Number	Qty.	Description
1	237-171	1	O-Ring
2	80-5260-03	1	Cover
3	80-7020	1	Vent-Filter
4	2811-7	1	Elbow
5	353-550	2	Plug-HYD, HH
5:1	237-79	1	O-Ring
6	322-4	8	Screw-HH
7	80-8340	1	Shaft-Pinion, Tapered
8	254-68	1	Cone-Bearing, Roller
9	254-67	1	Cup-Bearing, Roller
10	237-172	1	O-Ring
11	80-7030	4	Shim-Pinion (.002 Red)
11	80-7031	4	Shim-Pinion (.005 Blue)
11	80-7032	4	Shim-Pinion (.015 Pink)
11	80-7033	4	Shim-Pinion (.020 Yellow)
12	80-5320	1	Housing-Bearing, Pinion
13	323-5	8	Screw-HH
14	80-5300	1	Housing-Bearing, Gear
15	80-7040	4	Shim-Gear (.002 Red)
15	80-7041	4	Shim-Gear (.005 Blue)
15	80-7042	4	Shim-Gear (.015 Pink)
15	80-7043	4	Shim-Gear (.020 Yellow)

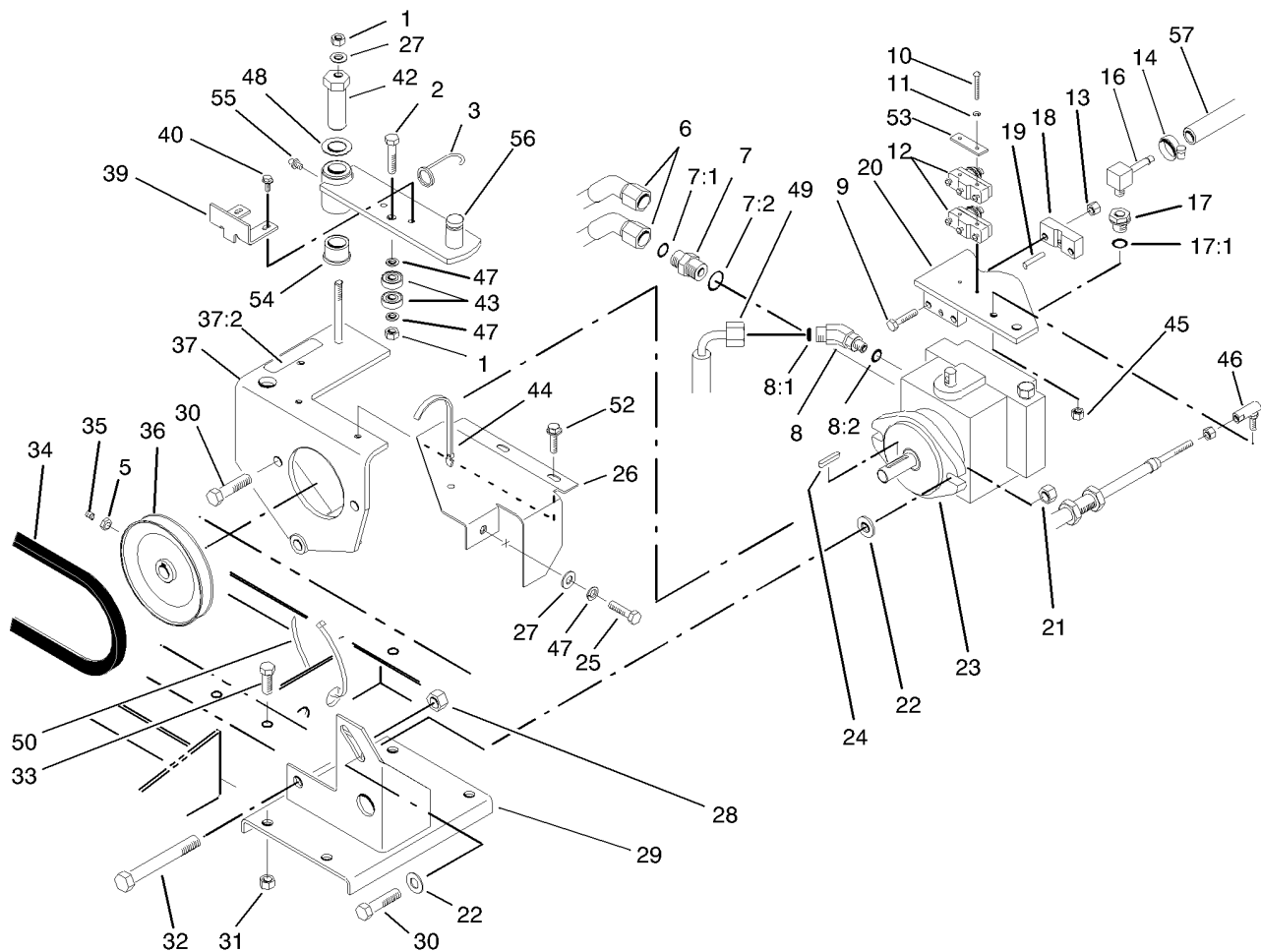
Ref.	Part Number	Qty.	Description
16	237-25	1	O Ring
17	254-62	3	Bearing-Roller, Cone
18	3296-39	4	Nut-Lock, NI
19	80-5280	1	Gear
20	80-8500	1	Cam
21	80-8510	1	Block-Weight
22	69-1170	1	Glass-Sight
22:1	237-81	1	O-Ring
23	32121-42	4	Pin-Roll
24	323-52	4	Screw-HH
25	254-61	3	Cup-Bearing, Roller
26	80-5240	1	Gearbox
27	340-98	1	Fitting-HYD, 90 DEG
27:1	237-79	1	O-Ring
27:2	237-30	1	O-Ring
28	304-99	1	Stem-Hose
28:1	237-78	1	O-Ring
29	2412-108	1	Clamp-Worm
30	253-148	1	Seal
31	80-5330	1	Bushing-Follower, Cam
32	3274-10	2	Screw-HSH



Hydraulic Pump Installation Assembly

Ref.	Part Number	Qty.	Description
1	3296-29	2	Nut-Lock, NI
2	322-17	1	Screw-HH
3	80-6610	1	Spring-Extension
5	3218-1	2	Nut-Jam
6	80-7330	2	Hose ASM
7	340-4	2	Fitting-HYD, Straight
7:1	237-30	1	O-Ring
7:2	237-79	1	O-Ring
8	340-54	1	Elbow-45 DEG
8:1	237-22	1	O-Ring
8:2	237-78	1	O-Ring
9	321-10	2	Screw-HH
10	32105-25	2	Screw-SHH
11	3254-9	2	Washer-Lock, Internal
12	29-6162	2	Switch-Micro
13	3296-42	2	Nut-Lock, NI
14	2412-108	1	Clamp-Worm
16	304-75	1	Connector-Hose
17	80-7320	1	Fitting-Adapter
17:1	237-42	1	O-Ring
18	80-9320	1	Clamp-Traction
19	32121-34	1	Pin-Roll
20	80-7800-03	1	Lever-Pump
21	32128-37	2	Nut-HF
22	3256-25	2	Washer-Flat
23	80-5450	1	Pump-HYD, Traction
24	80-6090	1	Key-Pump
25	322-5	1	Screw-HH

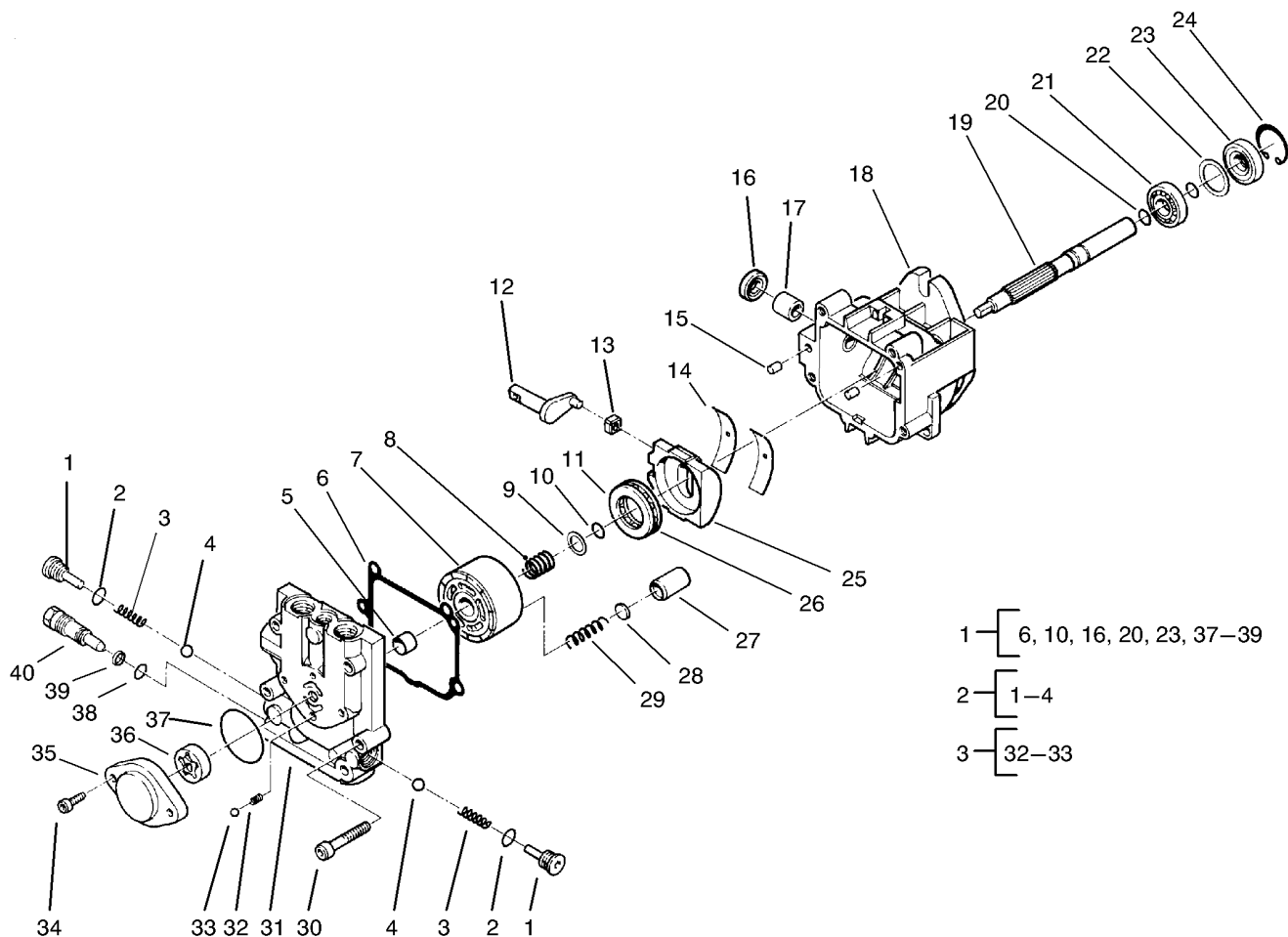
Ref.	Part Number	Qty.	Description
26	80-9170-03	1	Guard-Pulley
27	3256-23	2	Washer-Flat
28	3296-23	1	Nut-Lock, NI
29	80-7460-03	1	Support-Pump
30	324-6	2	Screw-HH
31	3296-39	4	Nut-Lock, NI
32	325-17	1	Screw-HH
33	323-6	4	Screw-HH
34	80-6720	1	V-Belt
35	3245-5	2	Screw-Set
36	80-8170	1	Pulley-Pump, Traction
37	14-5209	1	Mount-Pump, HYD
37:2	80-8760	1	Decal-Danger
39	80-7770	1	Tab-Switch
40	32104-60	2	Screw-HWH
42	76-8640	1	Stud-Traction
43	251-307	2	Bearing-Ball
44	3290-410	1	Tie-Mount, Push
45	3296-3	1	Nut-Lock
46	2411-34	1	Joint-Ball
47	3253-4	3	Washer-Lock
48	3-6498	1	Washer-Thrust
49	80-7350	1	Hose ASM
50	3290-378	1	Tie-Cable
52	32104-95	2	Screw-HWH
53	61-2990	1	Spacer
54	256-113	2	Bushing-Flange
55	302-5	1	Fitting-Grease



Hydraulic Pump Installation Assembly (continued)

Ref.	Part Number	Qty.	Description
56	80-7630-03	1	Lever-Neutral
57	80-7360	1	Hose-Fuel

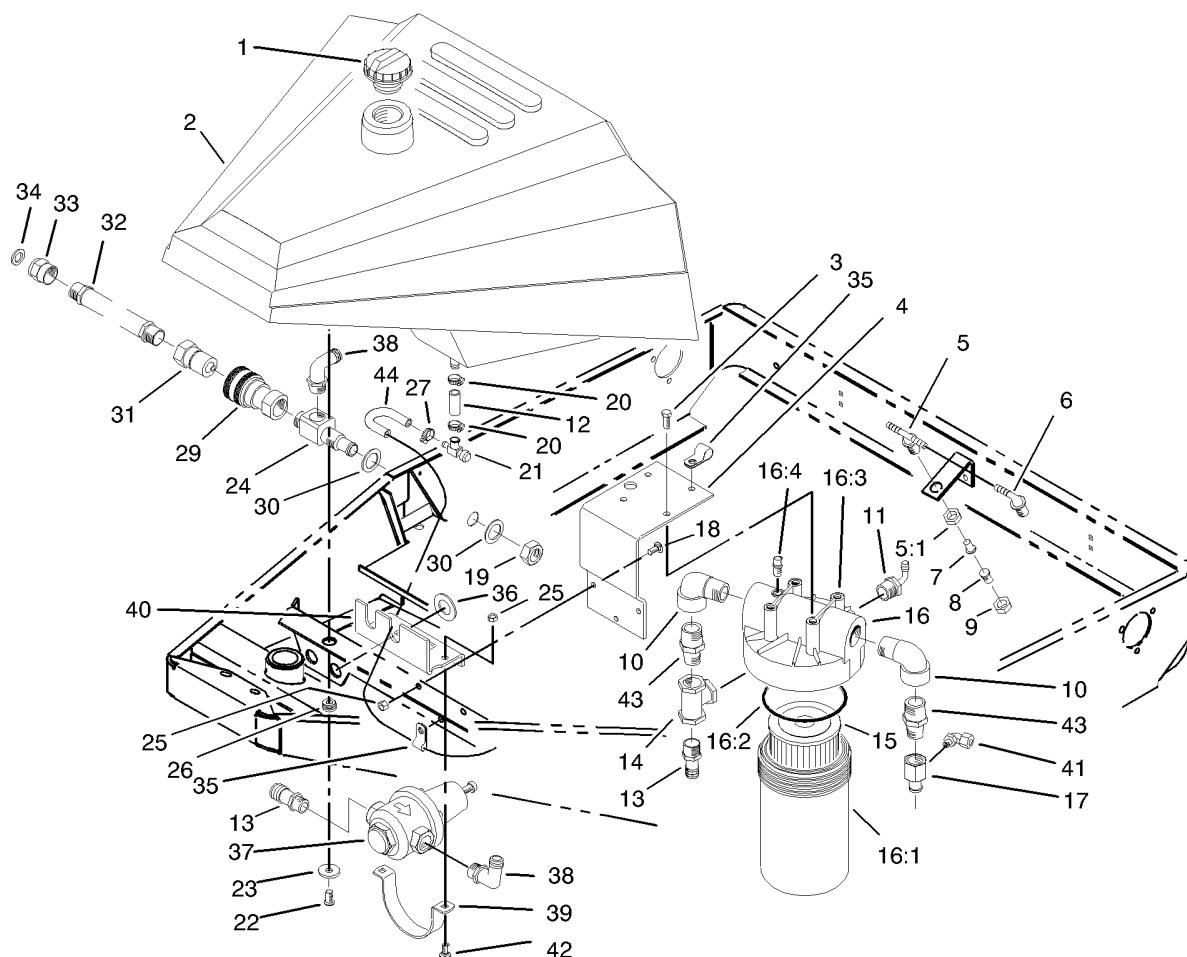
PROTOTYPE



Hydraulic Pump Assembly No. 80-5450

Ref.	Part Number	Qty.	Description
1	80-6110	1	Relief Valve Charge Kit
2	80-6120	2	Check Valve Kit
3	80-6130	1	Seal Kit

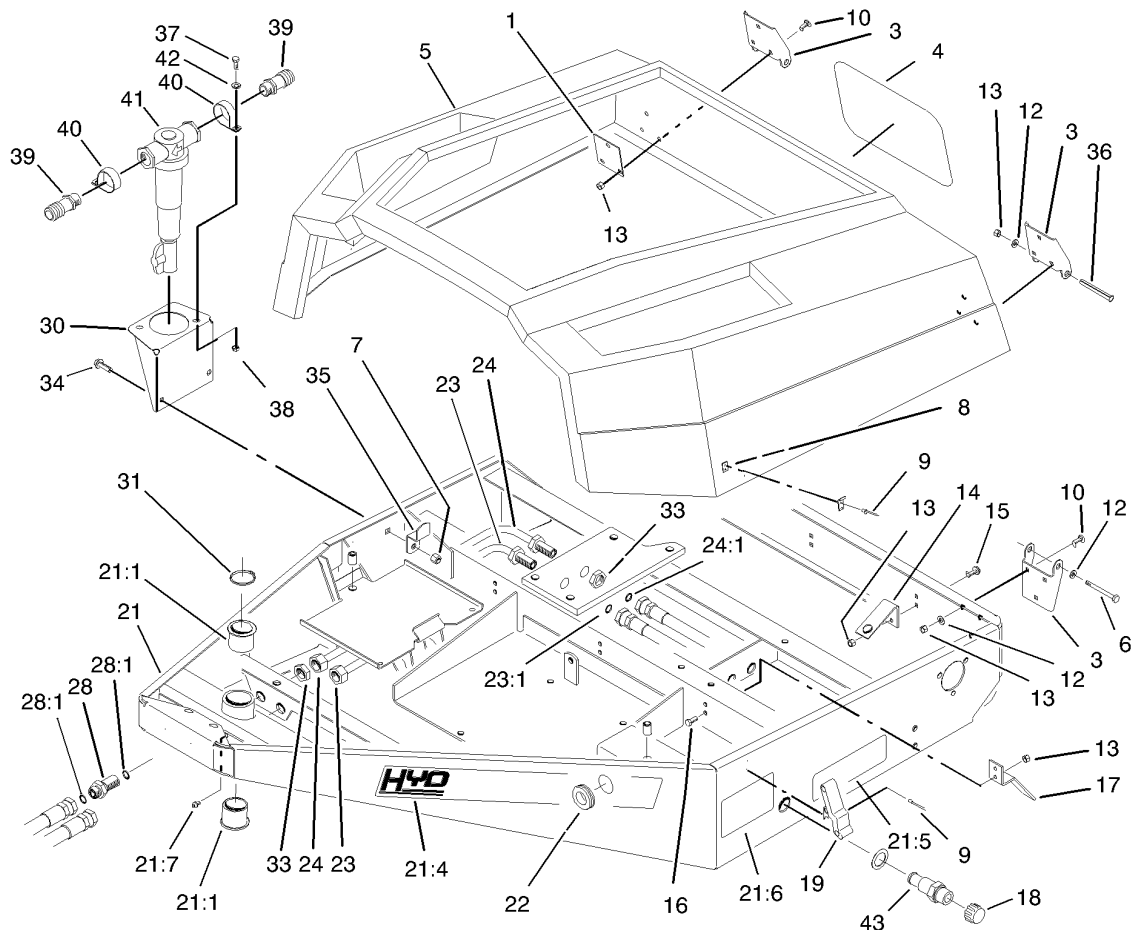
PROTOTYPE



Fuel Tank and Water Inlet Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	93-3101	1	Cap-Fuel	20	2412-36	2	Clamp-Hose
2	80-9960	1	Tank-Fuel	21	56-2520	1	Fitting-Shut Off, Fuel
3	32144-41	4	Screw-Taptite	22	323-5	4	Screw-HH
4	80-8610-03	1	Strap-Mount, Filter	23	63-8410	4	Washer
5	355-1	4	Fitting-Tee	24	86-9160	1	Adapter-Bulkhead
5:1		1	Nut ●	25	3296-29	5	Nut-Lock, NI
6	355-2	2	Fitting-Elbow, 90 DEG	26	240-11	4	Bushing-Flange
7	355-5	6	Strainer	27	2412-108	1	Clamp-Worm
8	355-6	6	Nozzle	29	354-88	1	Coupler-Female
9	355-4	6	Cap-Nozzle	30	3256-42	4	Washer-Flat
10	95-5675	2	Fitting-Elbow	31	354-89	1	Coupler-Male
11	354-106	1	Fitting	32	80-6740	1	Intake Hose ASM
12	56-2230	1	Hose-Fuel	33	354-109	1	Fitting
13	354-98	2	Fitting-Straight	34	3290-494	1	Washer-Rubber
14	354-133	1	Tee	35	2412-41	2	Clamp
15	86-8620	1	Filter-Water	36	3256-29	2	Washer-Flat
16	80-8600	1	Housing-Filter	37	86-9170	1	Valve-Regulator
16:1	80-8930	1	Can-Filter, Water	38	354-100	2	Fitting-90 DEG
16:2	237-176	1	O-Ring	39	92-9538-01	1	Strap-Regulator
16:3	80-9600	1	Head-Filter, Water	40	92-9537-01	1	Bracket-Regulator
16:4	80-8940	1	Button Kit	41	354-101	1	Fitting
17	86-8640	1	Fitting-Adapter	42	3230-2	2	Bolt-CARR
18	3230-1	3	Bolt-CARR	43	95-5676	2	Fitting-Reducer
19	3296-49	2	Nut-Lock, NI	44	56-2241	1	Hose-Gas Line

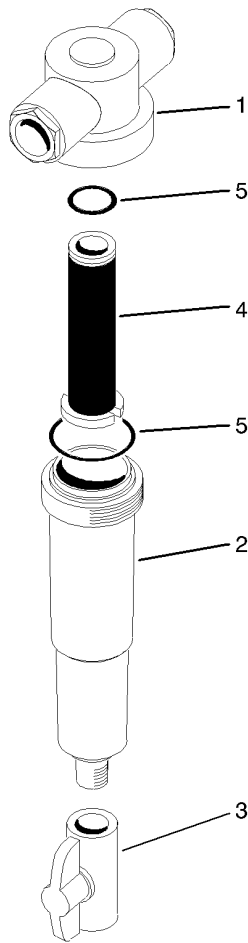
● Not serviced separately



Frame and Cover Assembly

Ref.	Part Number	Qty.	Description
1	80-9090-03	2	Plate-Back Up
3	80-9080-03	4	Hinge
4	67-7310	1	Decal
5	14-4179	1	Hood-Hydroject
6	321-28	2	Screw-HH
7	3296-39	2	Nut-Lock, NI
8	80-9260	2	Plate-Back Up
9	3269-25	8	Rivet-Pop
10	3229-1	12	Screw-CARR
12	3256-22	10	Washer-Flat
13	3296-42	26	Nut-Lock, NI
14	80-9050	3	Bracket-Nozzle, Rear
15	3234-4	6	Screw-HHF
16	321-4	6	Screw-HH
17	80-9060	3	Bracket-Nozzle, Front
18	354-113	1	Fitting-Cap
19	80-6980	2	Latch
21	86-8910	1	Frame ASM
21:1	256-245	2	Bushing-Flange
21:4	80-8050	2	Decal-Hydroject 3000
21:5	80-8090	3	Decal-Warning
21:6	92-9542	2	Decal-Important

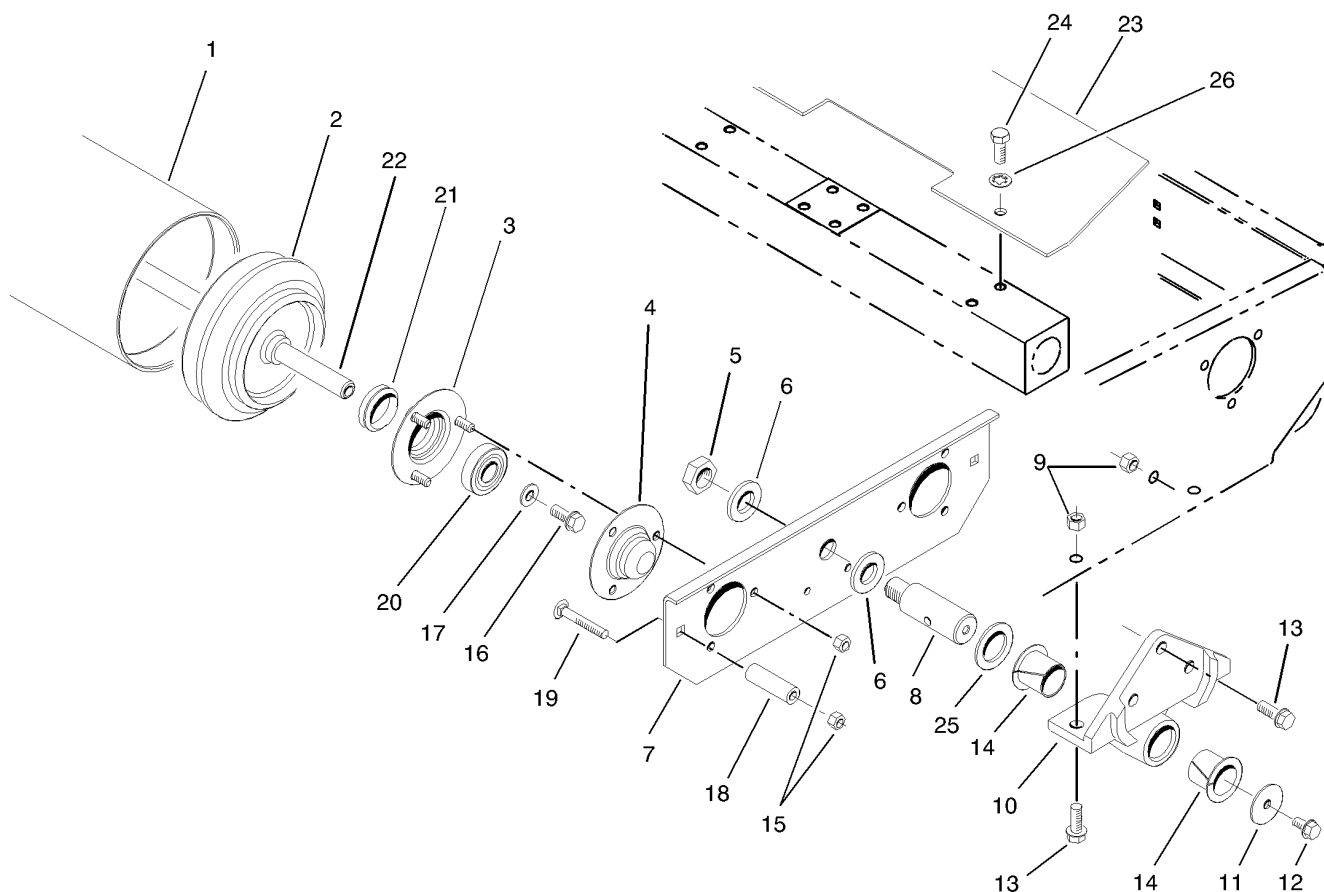
Ref.	Part Number	Qty.	Description
21:7	302-5	1	Fitting-Grease
22	240-3	2	Grommet-Rubber
23	80-6640	1	Tube ASM
23:1	237-30	1	O-Ring
24	80-6630	1	Tube ASM
24:1	237-30	1	O-Ring
28	340-161	2	Fitting-Bulkhead
28:1	237-30	2	O-Ring
30	86-9090-01	1	Bracket-Filter
31	32151-44	1	Ring-Retaining
33	340-127	2	Nut-Bulkhead
34	3234-24	2	Screw-HHF
35	80-8580	1	Clip-Hood
36	80-9310	2	Spacer-Tub
37	322-3	2	Screw-HH
38	3296-29	2	Nut-Lock, NI
39	354-98	2	Fitting-Straight
40	2412-147	2	Clamp
41	86-9100	1	Filter ASM
42	3256-23	2	Washer-Flat
43	80-9500	1	Adapter-Bulkhead



Pre-Filter Assembly No. 86-9100

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	86-9110	1	Head-Filter
2	86-9120	1	Trapper-Sediment
3	86-9130	1	Valve-Flush
4	86-9140	1	Screen-Mesh, 100
5	86-9150	1	O-Ring Kit

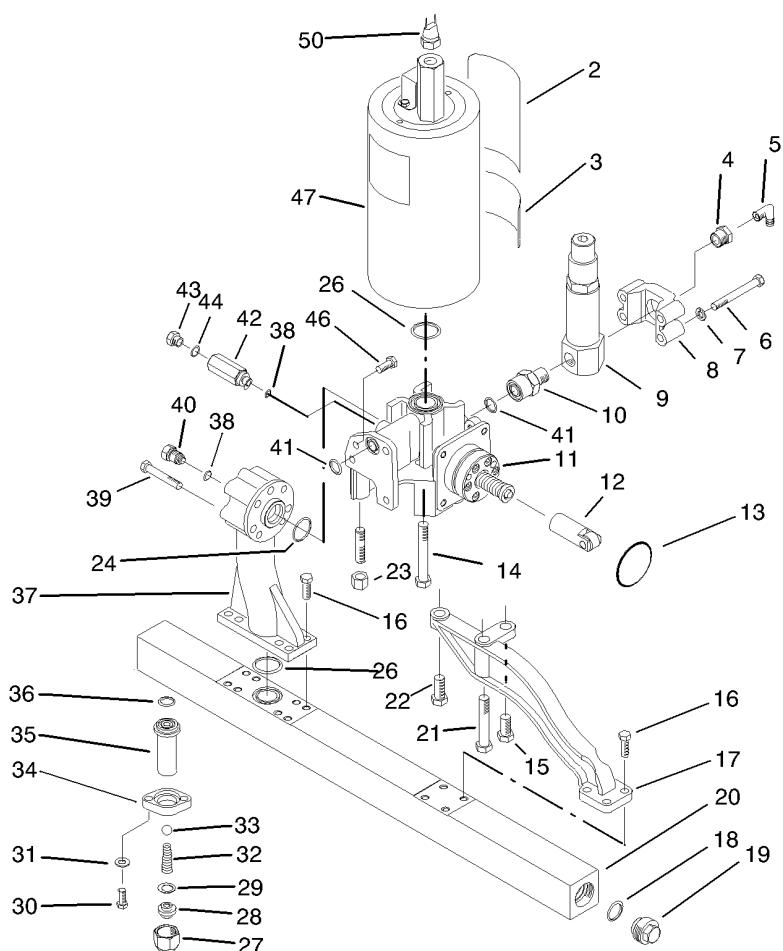
PROTOTYPE



Roller Assembly

Ref.	Part Number	Qty.	Description
1	80-8740	1	Roller-Front
2	80-5200	1	Cap-End
3	80-8550	4	Flange
4	80-8530	4	Flange
5	3296-15	2	Nut-Lock, NI
6	3256-28	4	Washer-Flat
7	80-8710-03	2	Plate-Side, Roller
8	80-8690	2	Pin-Pivot, Roller
9	3296-39	10	Nut-Lock, NI
10	80-8330-01	2	Pivot-Roller
11	3256-68	2	Washer-Flat
12	3234-14	2	Screw-HHF
13	3234-24	10	Screw-HHF

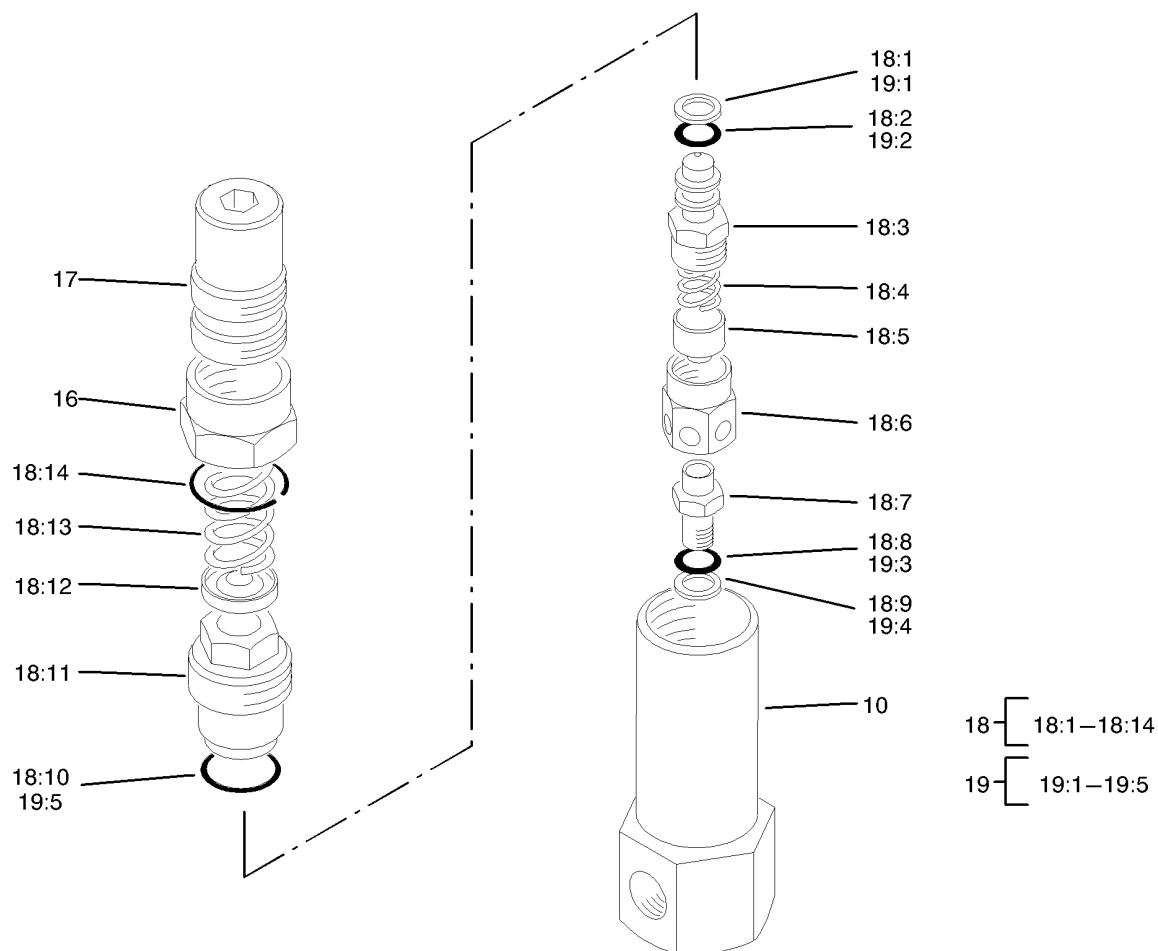
Ref.	Part Number	Qty.	Description
14	256-318	4	Bearing-Nyliner
15	3296-29	16	Nut-Lock, NI
16	3234-25	4	Screw-HHF
17	80-6990	4	Washer-Hardened
18	80-8720	4	Stop-Roller
19	3230-8	4	Screw-CARR
20	251-351	4	Bearing
21	253-167	4	V-Seal
22	80-8730	2	Shaft-Roller
23	80-9180-03	2	Shield-Manifold
24	323-2	6	Screw-HH
25	3-6781	2	Washer-Thrust
26	3254-6	6	Washer-Lock, Internal



Water Manifold and Valve Assembly

Ref.	Part Number	Qty.	Description
2	80-8030	1	Decal-Danger
3	80-8880	1	Decal-Warning
4	354-92	1	Bushing
5	354-93	1	Fitting-Elbow, 90
6	323-17	4	Screw-HH
7	3253-21	4	Washer-Lock
8	80-9890-03	1	Clamp-Valve
9	80-7070	1	Valve-Relief
10	80-9900	1	Fitting-Valve
11	14-7449	1	Valve Body ASM
12	80-5580	1	Follower-Cam
13	237-173	1	O-Ring
14	324-26	4	Screw-HH
15	325-4	1	Screw-HH
16	323-5	12	Screw-HH
17	80-5080-03	1	Support-Manifold
18	80-5791	2	O-Ring
19	80-8220	2	Plug-Head, Pump
20	80-5380	1	Manifold
21	325-12	1	Screw-HH
22	325-5	1	Screw-HH
23	3296-19	2	Nut-Hex
24	80-5780	1	O-Ring

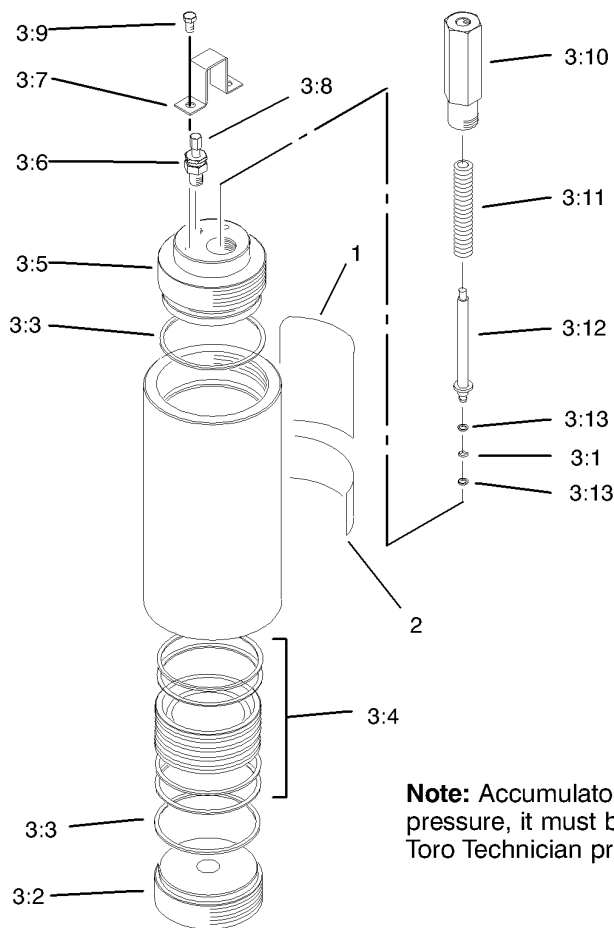
Ref.	Part Number	Qty.	Description
26	80-5784	2	O-Ring
27	86-8140	11	Retainer-Nozzle
28	86-8131	11	Nozzle
29	86-8150	11	Washer-Nozzle
30	86-8610	22	Screw-HHF
31	3256-2	22	Washer-Flat
32	80-9710	11	Spring-Compression, TAP
33	255-12	11	Ball-Steel, Stainless
34	80-9800	11	Flange-Nozzle
35	86-8110	11	Nozzle Extension ASM
36	80-5786	11	O-Ring
37	80-8210	1	Feeder-Manifold
38	80-5793	1	O-Ring
39	323-13	7	Screw-HH
40	80-8230	1	Plug-Feeder
41	80-5782	2	O-Ring
42	80-9980	1	Fitting-Extension
43	354-82	1	Plug
44	80-5794	1	O-Ring
46	323-6	4	Screw-HH
47	93-1667	1	Accumulator Kit
50	72-4320	1	Switch-Ball



Relief Valve Assembly No. 80-7070

Ref.	Part Number	Qty.	Description
10		1	Body ●
16		1	Nut ●
17		1	Guide-Spring ●
18	86-8550	1	Relief Valve Kit
18:1		1	Ring-Backup ●
18:2		1	Seal-Dust ●
18:3		1	Stem ●
18:4		1	Spring-Compression ●
18:5		1	Poppet ●
18:6		1	Retainer ●
18:7		1	Seat ●
18:8		1	Seal-Dust ●
18:9		1	Ring-Backup ●
18:10		1	Seal-Dust ●
18:11		1	Insert-Plug ●
18:12		1	Equalizer-Spring ●
18:13		1	Spring-Compression ●
18:14		1	Ring-Retaining ●
19	95-5677	1	Valve Seal Kit
19:1		1	Ring-Backup ●
19:2		1	Seal-Dust ●
19:3		1	Seal-Dust ●
19:4		1	Ring-Backup ●
19:5		1	Seal-Dust ●

● Not serviced separately

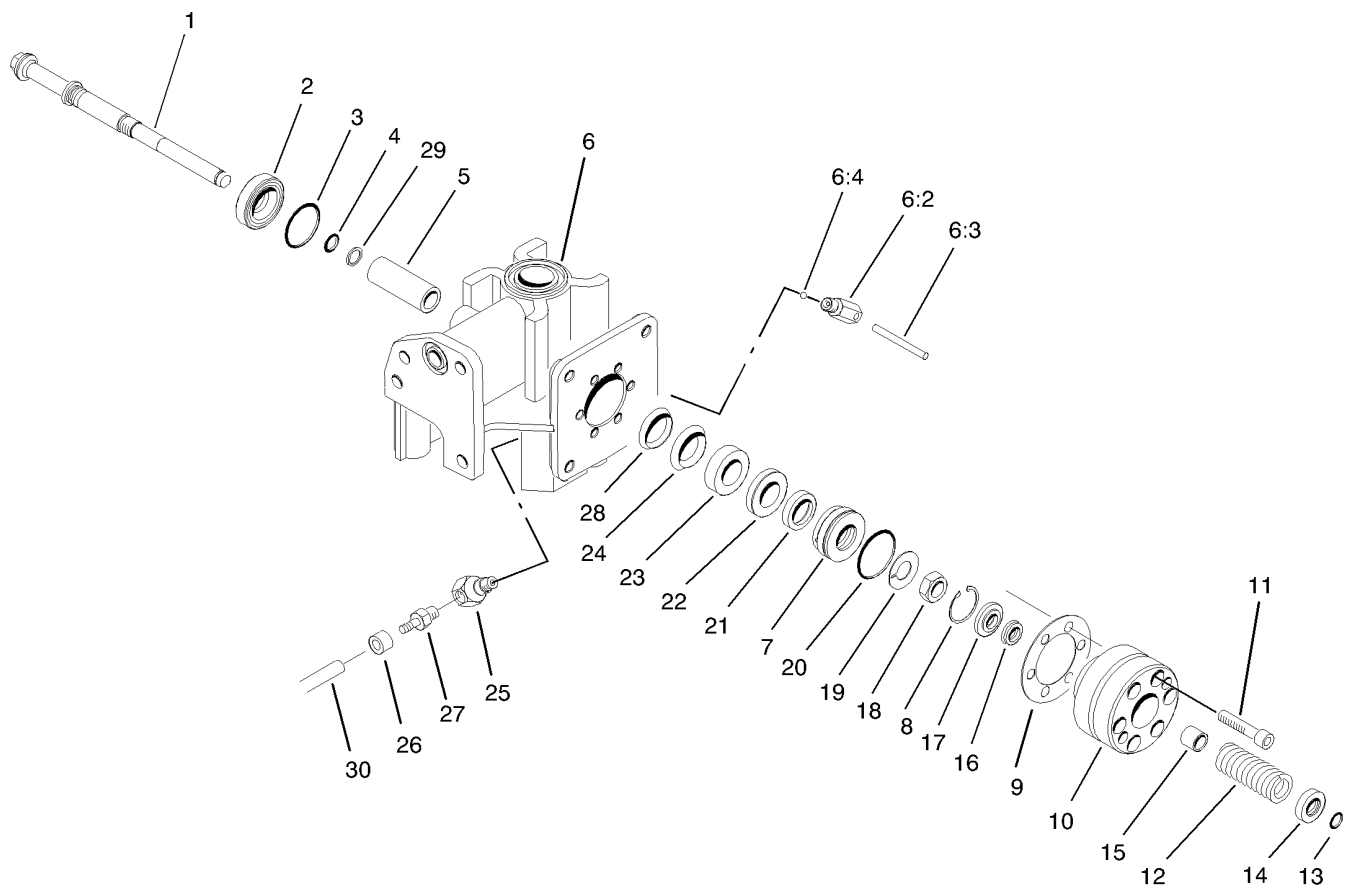


Note: Accumulator is shipped without gas pressure, it must be charged by an Authorized Toro Technician prior to use.

Accumulator Assembly No. 93-1667

Ref.	Part Number	Qty.	Description
1	80-8880	2	Decal-Warning
1	83-5440	1	Decal-Danger (Swedish)
1	83-5590	1	Decal-Danger (Italian)
1	83-5800	1	Decal-Danger (German)
1	83-5910	1	Decal-Danger (Spanish)
1	83-6020	1	Decal-Danger (Japan)
1	93-9383	1	Decal-Danger (Danish)
1	93-9384	1	Decal-Danger (Dutch)
1	93-9385	1	Decal-Danger (Finnish)
1	93-9386	1	Decal-Danger (Norwegian)
1	93-9387	1	Decal-Danger (Portuguese)
1	83-6170	1	Decal-Danger (French)
2	80-8030	2	Decal-Danger
2	83-6110	1	Decal-Warning (Japan)
2	93-9361	1	Decal-Warning (Europe)

Ref.	Part Number	Qty.	Description
3		1	Accumulator ASM
3:1	92-9535	1	O-Ring
3:2	80-9040	1	Cap-End, Water Port
3:3	80-8990	1	Seal Kit
3:4	80-8980	1	Piston ASM
3:5	93-1674	1	Ca -Gas End
3:6	80-9000	1	Gas Valve ASM (With O-Ring)
3:7	80-9020	1	Protector-Valve
3:8	80-8970	1	Cap-Valve
3:9	323-4	2	Screw-HH
3:10	92-9531	1	Retainer-Plunger
3:11	92-9532	1	Spring-Compression
3:12	92-9530	1	Plunger-Switch
3:13	92-9536	2	Ring-Back Up

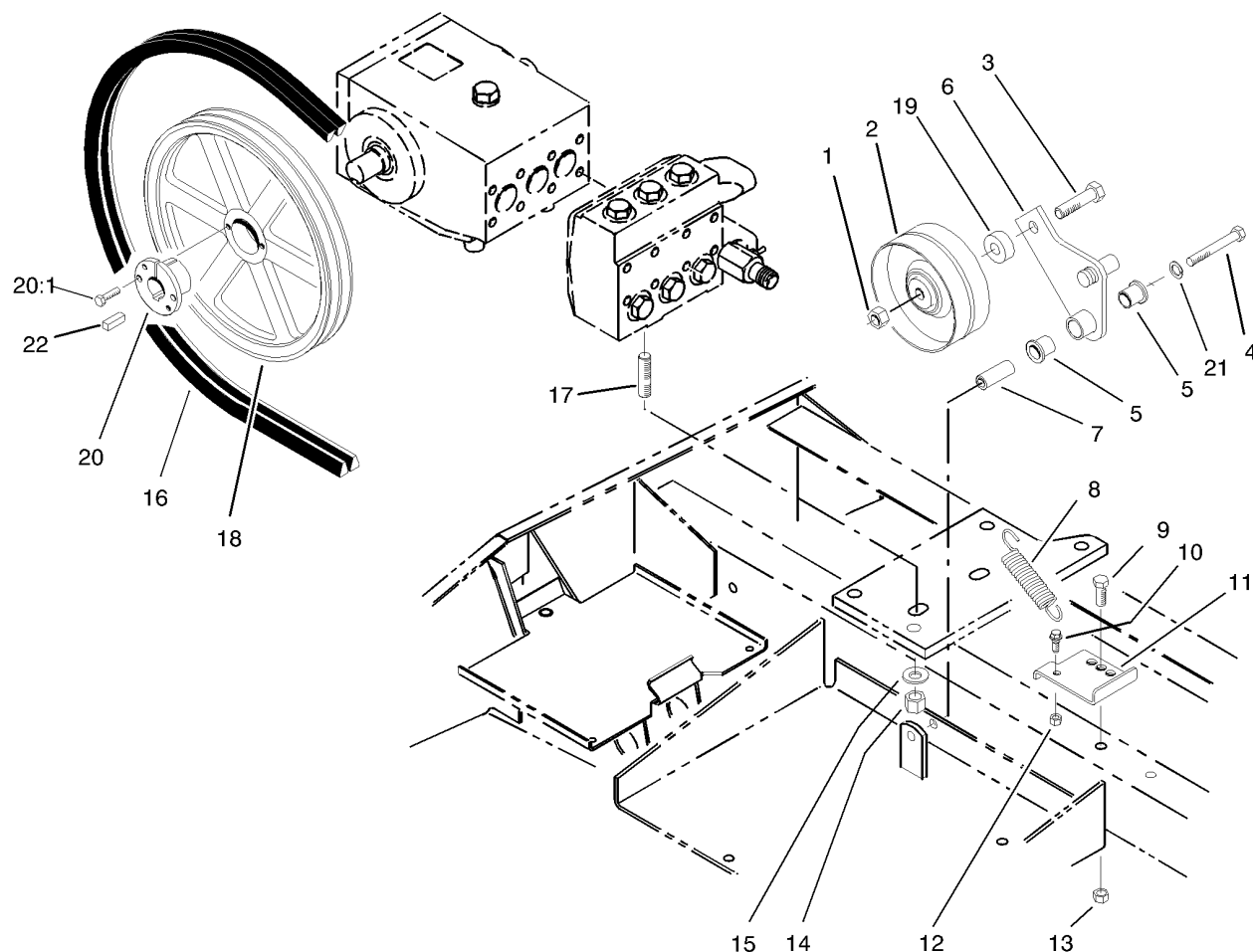


Water Valve Assembly

Ref.	Part Number	Qty.	Description
1	80-5600	1	Spool-Valve
2	86-9070	1	Seat-Valve
3	80-5780	1	O-Ring
4	80-8460	1	O-Ring
5	86-8310	1	Sleeve-Plunger
6		1	Valve Body ASM ●
6:2	80-9750	1	Valve-Bleed
6:3	32121-48	1	Pin-Spring
6:4	255-13	1	Ball-Steel, Stainless
7	80-9220	1	Retainer-Seal
8	32120-37	1	Ring-Retaining
9	80-9560	1	Gasket
10	80-5590	1	Pilot-Gear Box
11	3274-83	6	Screw-HSH
12	80-5770	1	Spring-Valve
13	32151-99	1	Ring-Retainer, External
14	80-5570	1	Retainer-Spring, Valve

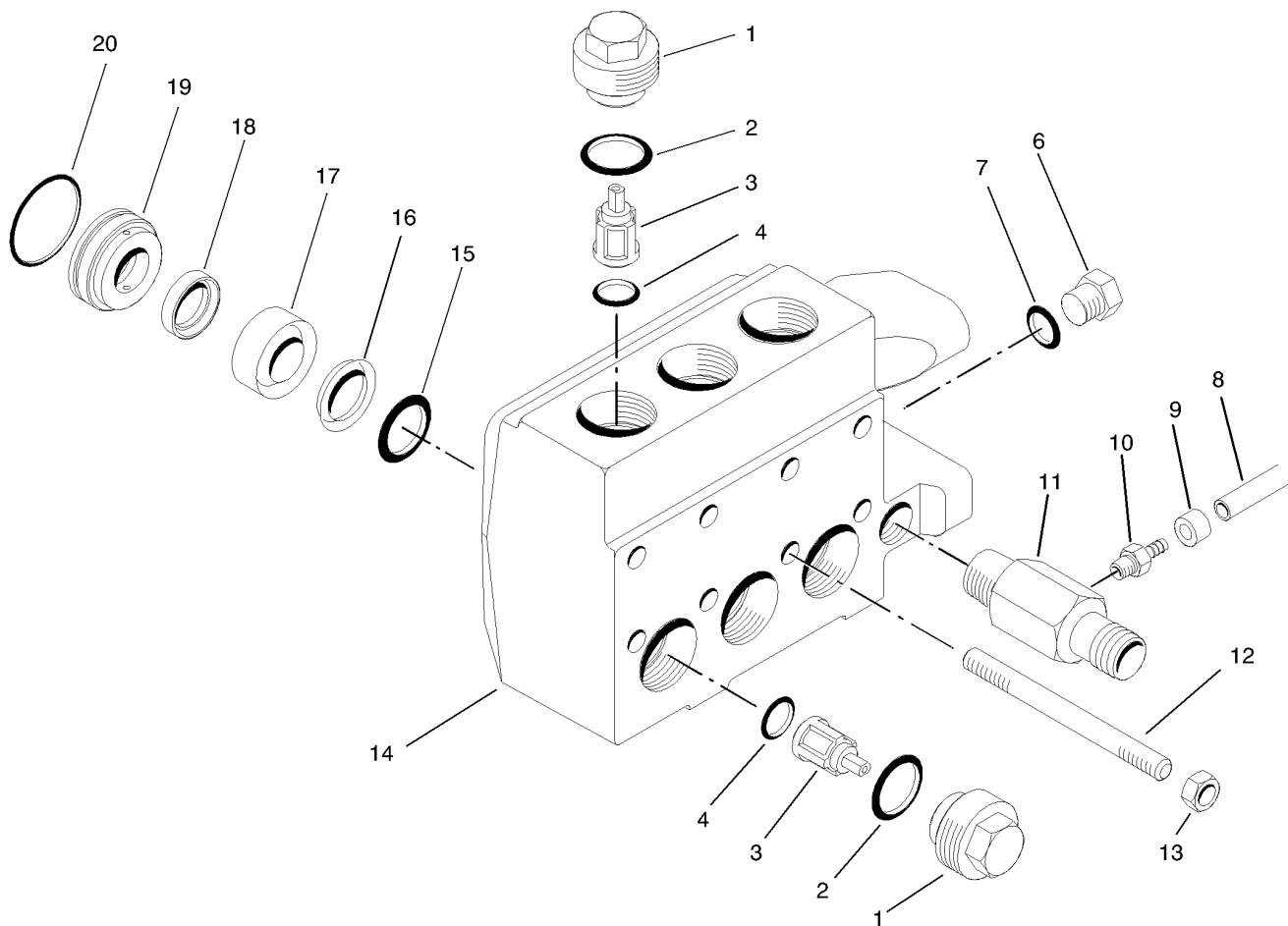
Ref.	Part Number	Qty.	Description
15	256-315	1	Bushing
16	253-168	1	Seal-U Cup
17	80-9200	1	Seal-Backup
18	3220-23	1	Nut-Hex, Jam
19	86-8320	1	Washer-Slotted
20	237-178	1	O-Ring
21	80-5760	1	Seal-U Cup
22	80-9390	1	Guide-Valve
23	80-5751	1	Head-Ring, Inner
24	80-5740	1	Seal-Packing, Vee
25	80-9410	1	Fitting-Adapter
26	80-9480	1	Retainer-Tube
27	304-101	1	Fitting
28	80-5730	1	Ring-Back Up
29	80-8470	1	Support-Teflon
30	80-6521	1	Hose-Gage

● Not serviced separately



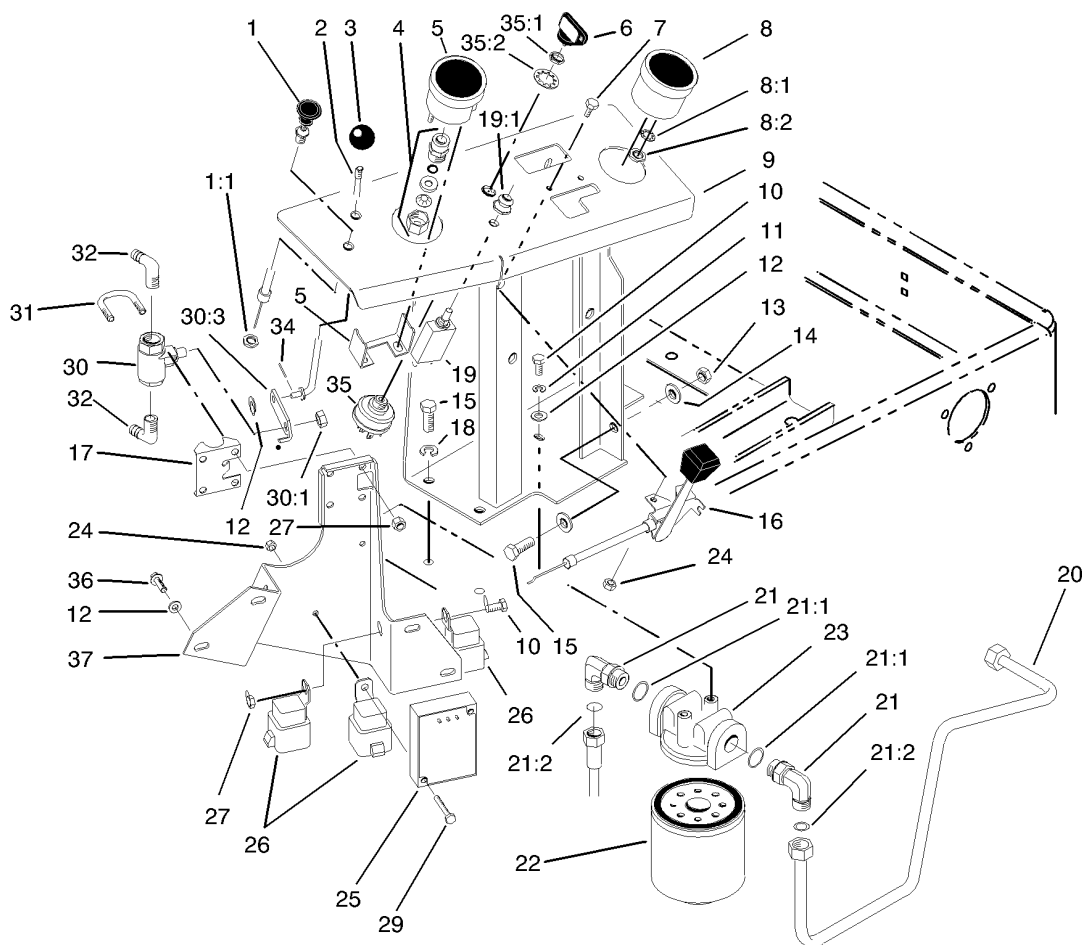
Water Pump Installation Assembly

Ref.	Part Number	Qty.	Description
1	3296-28	1	Nut-Lock, NI
2	80-8360	1	Pulley-Idler, Flat
3	3213-7	1	Screw-HH
4	323-12	1	Screw-HH
5	80-9610	2	Bushing
6	86-8870	1	Pivot-Idler
7	80-7710	1	Spacer-Pivot, Idler
8	80-6620	1	Spring-Extension
9	323-6	1	Screw-HH
10	42-3560	1	Bolt-Shoulder
11	80-6600	1	Bracket-Spring
12	3296-56	1	Nut-Lock, NI
13	3296-39	1	Nut-Lock, NI
14	3296-19	2	Nut-Hex
15	3256-26	2	Washer-Flat
16	80-6730	2	V-Belt
17	80-8680	2	Stud
18	80-6650	1	Pulley
19	86-8890	1	Spacer-Pulley
20	80-6660	1	Bushing-Lock, Taper
20:1	321-4	2	Screw-HH
21	3253-21	1	Washer-Lock
22	86-8790	1	Key-Rectangular



Water Pump Manifold Assembly

Ref.	Part Number	Qty.	Description
1	80-8220	3	Plug-Head, Pump
2	80-5791	6	O-Ring
3	80-5630	6	Valve-Check
4	80-5781	6	O-Ring
6	354-82	1	Plug
7	80-5794	1	O-Ring
8	80-6521	1	Hose-Gage
9	80-9480	1	Retainer-Tube
10	304-101	1	Fitting
11	80-9400	1	Fitting-Adapter
12	86-8830	8	Stud-Head
13	3219-28	8	Nut
14	80-5020	1	Head-Pump
15	80-5730	3	Ring-Back Up
16	80-5740	3	Seal-Packing, Vee
17	80-5750	3	Ring-Head, Inner
18	80-5760	3	Seal-U Cup
19	80-5720	3	Retainer-Packing, Outer
20	237-170	3	O-Ring

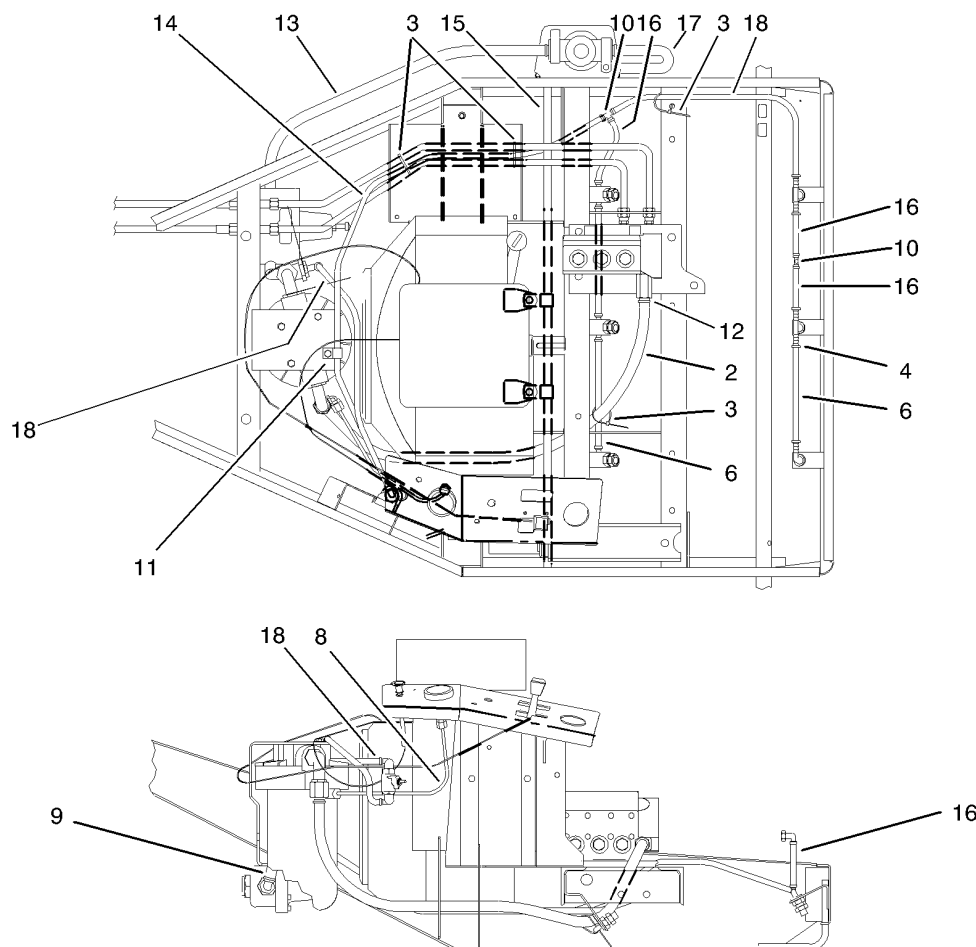


Control Panel Assembly

Ref.	Part Number	Qty.	Description
1	80-7270	1	Control-Choke
1:1	3220-2	1	Nut-Jam
2	80-8280	1	Rod-Control
3	233-17	1	Knob
4	354-102	1	Fitting-Female
5	80-5640	1	Gauge-Switch, Pressure
6	63-8360	1	Key-Ignition
7	32105-2	2	Screw-SHWH
8	66-2950	1	Gauge-Hourmeter
8:1	3255-20	2	Washer-Lock
8:2	3217-25	2	Nut-Hex
9	80-7900-03	1	Panel-Control
10	321-3	4	Screw-HH
11	3253-3	2	Washer-Lock
12	3256-22	7	Washer-Flat
13	3296-39	1	Nut-Lock, NI
14	3256-24	2	Washer-Flat
15	323-6	3	Screw-HH
16	80-8440	1	Control-Throttle
17	80-8890	1	Mount-Valve
18	3253-21	2	Washer-Lock
19	80-7310	1	Breaker-Circuit
19:1	80-7660	1	Seal-Rest Button

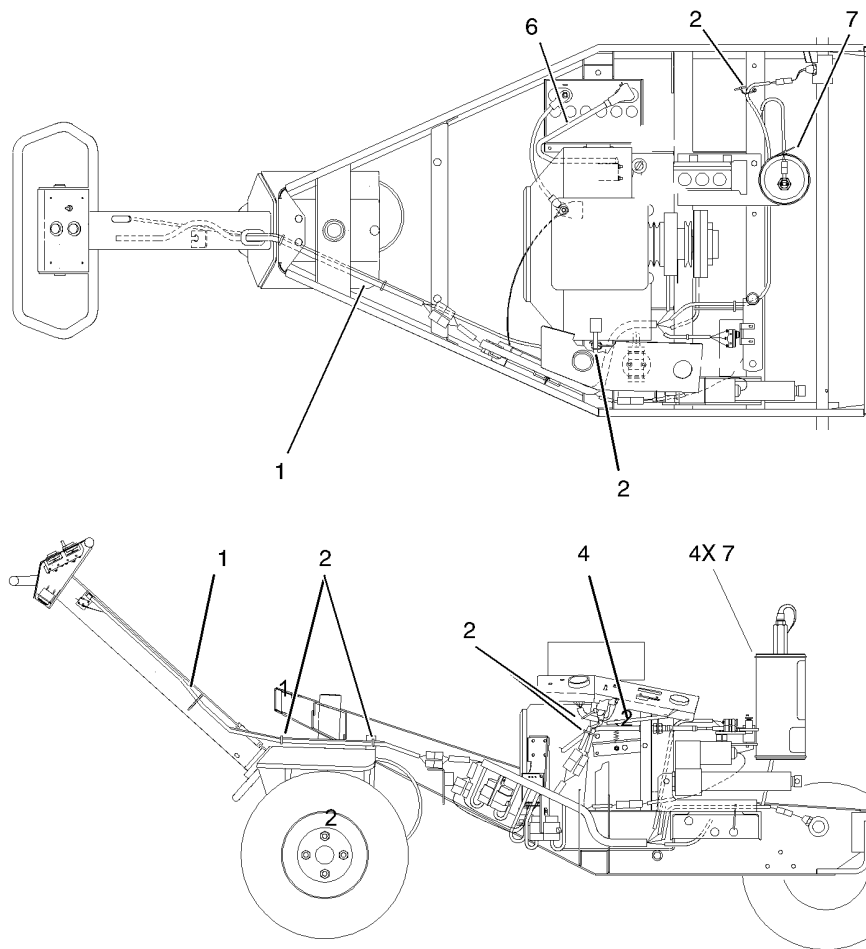
Ref.	Part Number	Qty.	Description
20	80-9830	1	Drain Tube ASM
21	340-98	2	Fitting-HYD, 90 DEG
21:1	237-79	1	O-Ring
21:2	237-30	1	O-Ring
22	67-8110	1	Cartridge-Filter, Oil
23	86-9080	1	Head-Filter
24	3296-2	4	Nut-Lock, NI
25	86-9060	1	Control-Electric
26	70-1480	5	Relay
27	3296-42	6	Nut-Lock, NI
29	32105-5	2	Screw
30	14-5259	1	Valve ASM
30:1	3220-2	1	Nut-Jam
30:3	93-1691	1	Lever-Valve
31	80-7880	2	U-Bolt
32	354-93	2	Fitting-Elbow, 90
34	3272-2	1	Pin-Cotter
35	27-2360	1	Switch
35:1	218-446	1	Nut-Hex
35:2	218-447	1	Washer-Lock
36	32104-95	4	Screw-HWH
37	80-9550-01	1	Bracket-Relay
51	80-9510	1	Wrench-Spanner ●

● Not illustrated



Water System Hose Routing Assembly

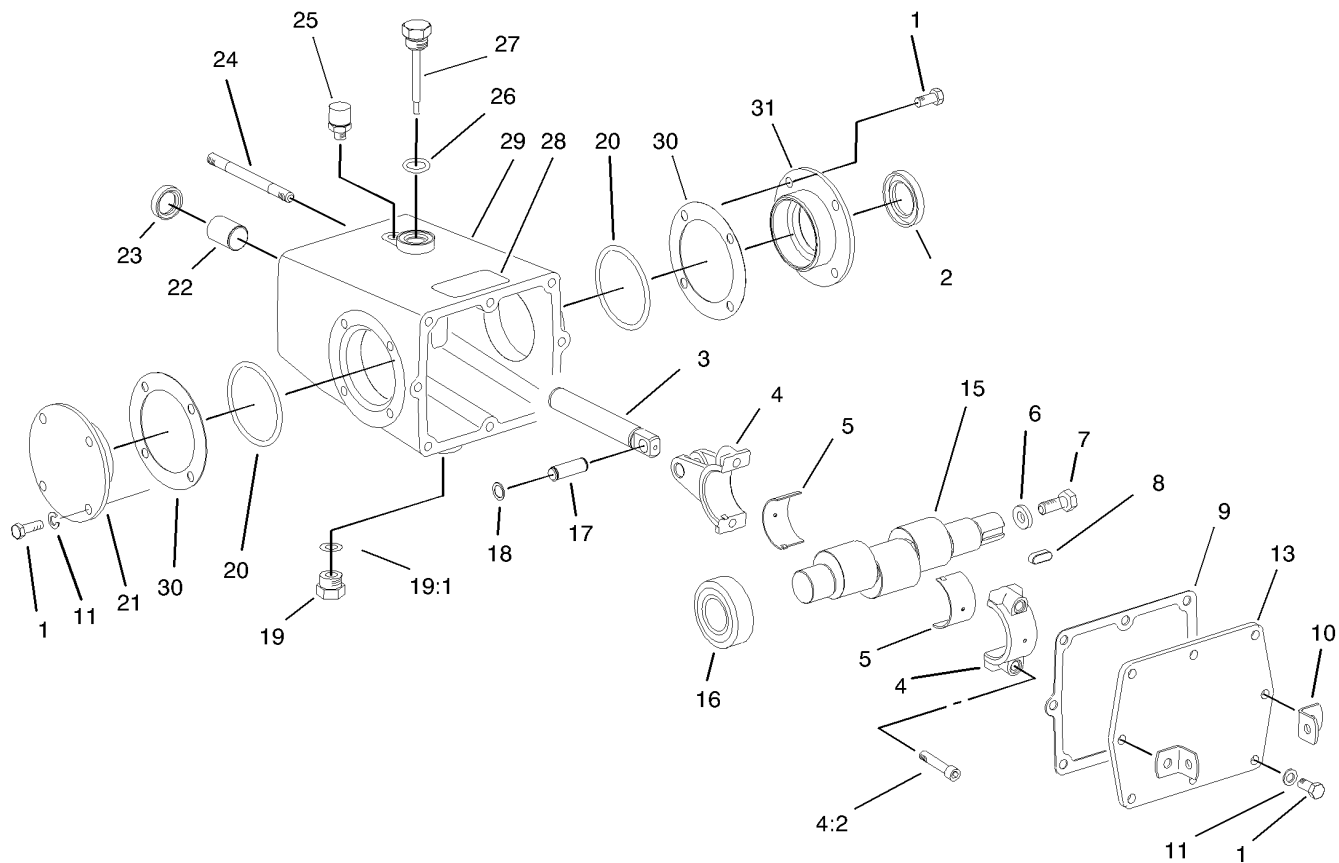
Ref.	Part Number	Qty.	Description
2	80-6517	1	Hose-Pressure
3	3290-378	4	Tie-Cable
4	2412-108	2	Clamp-Worm
6	80-7340	3	Hose ASM
8	80-6520	1	Hose-Gage
9	80-6514	1	Hose-Pressure
10	354-107	2	Fitting-HYD, Tee
11	2412-36	18	Clamp-Hose
12	2412-129	10	Clamp-Hose
13	80-6510	1	Hose
14	80-7344	1	Hose ASM
15	80-6516	1	Hose-Pressure
16	80-7341	4	Hose ASM
17	80-6515	1	Hose
18	80-7346	2	Hose ASM



Wire Routing Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	86-8920	1	Wire Harness-Tiller
2	3290-378	5	Tie-Cable
4	86-8930	1	Wire Harness-Control Panel
6	86-8480	1	Cable-Battery, Pos
7	3290-379	4	Tie-Cable

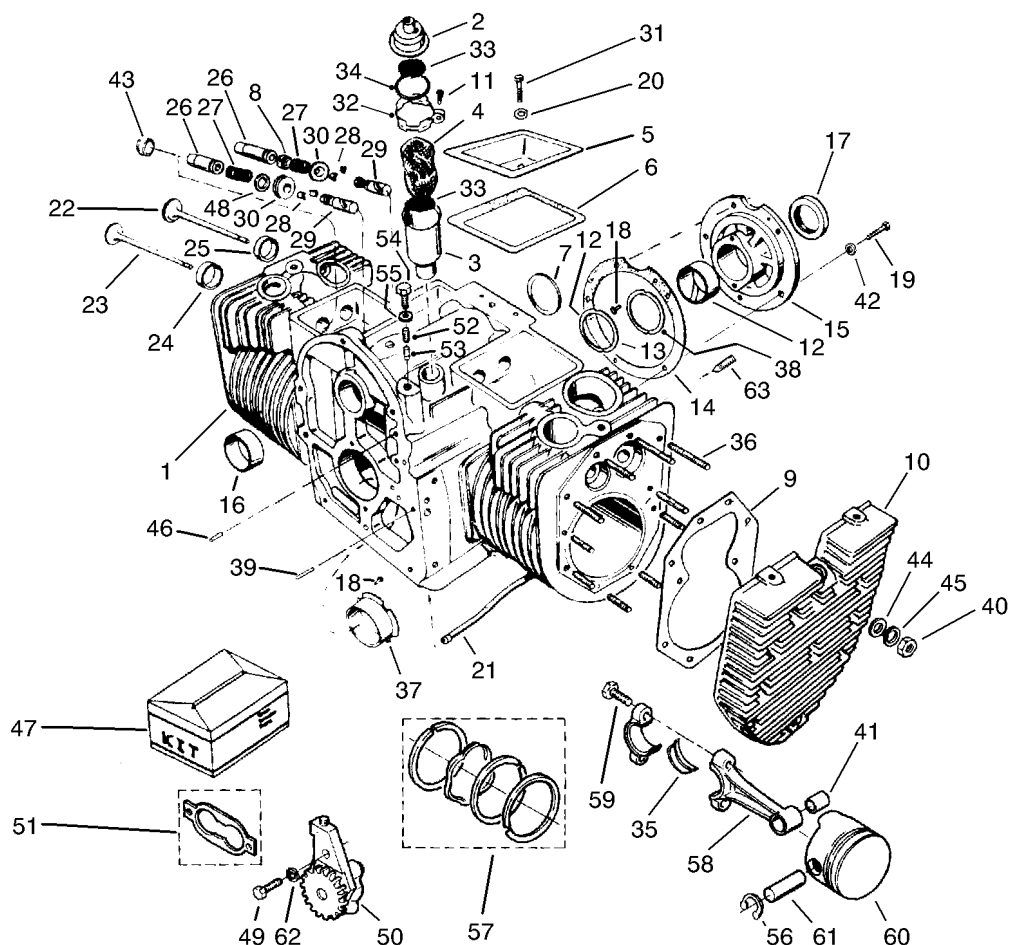
PROTOTYPE



Water Pump Crankcase Assembly No. 86-8900

Ref.	Part Number	Qty.	Description
1	322-3	16	Screw-HH
2	86-8760	1	Seal
3	86-8820	3	Rod-Plunger
4	86-8380	3	Rod-Connecting
4:2	3274-83	2	Screw-HSH
5	86-8840	3	Bearing-Split (Set Of 2)
6	3256-56	1	Washer-Flat
7	323-2	1	Screw-HH
8	86-8790	1	Key-Rectangular
9	86-8730	1	Gasket
10	92-9547	2	Bracket-Angle
11	3253-4	8	Washer-Lock
13	86-8850-03	1	Cover-Crankcase
15	86-8360	1	Crankshaft
16	86-8780	2	Bearing-Tapered
17	86-8740	3	Pin-Connecting
18	32151-65	6	Ring-Snap

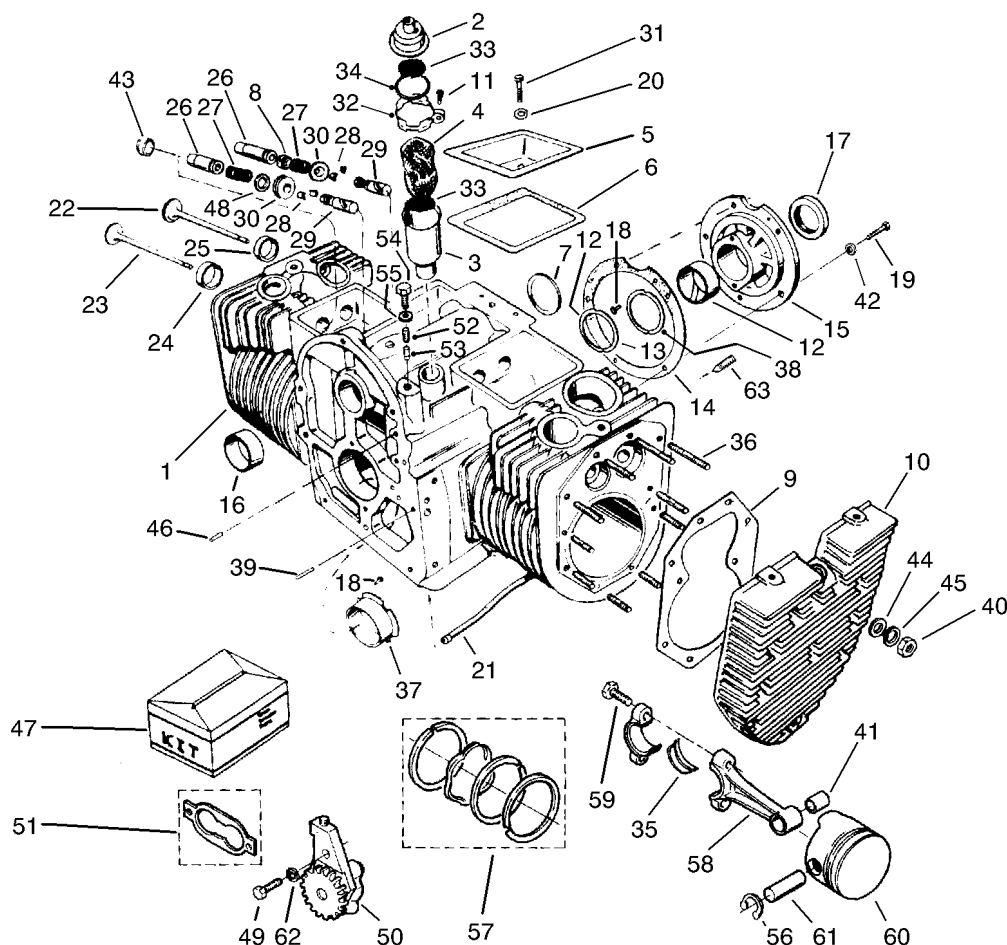
Ref.	Part Number	Qty.	Description
19	353-550	1	Plug-HYD, HH
19:1	237-79	1	O-Ring
20	237-25	2	O Ring
21	86-8570	1	Flange-Crankcase
22	86-8750	3	Guide-Plunger
23	86-8770	3	Seal
24	86-8830	8	Stud-Head
25	80-7020	1	Vent-Filter
26	237-79	1	O-Ring
27	86-8860	1	Dipstick
28	80-9450	1	Decal-Information
29	86-8810	1	Crankcase
30	86-8720	3	Shim-Crankcase
30	86-8721	4	Shim-Crankcase
30	86-8722	3	Shim-Crankcase
30	86-8723	4	Shim-Crankcase
31	86-8580	1	Flange-Crankcase



Engine Cylinder Block Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	94-9839	1	Short Block	18	59-0730	4	Pin-Drive
2	82-0550	1	Breather-Cap And Valve	19	71-6240	5	Capscrew
3	82-0540	1	Tube-Breather	20	57-9740	2	Washer
4	57-8980	1	Jet-Fixed Power	21	82-0480	1	Tube-Oil, Crankcase
5	82-0280	1	Cover-Valve Compartment	22	82-0220	2	Intake Valve
5	82-1710	1	Cover-Valve (Dipstick)	23	82-0230	2	Exhaust Valve
6	82-0260	2	Gasket-Valve Cover	24	82-0080	2	Insert
7	82-1180	1	Plug-Expansion	24	82-0090	2	Insert
8	82-0270	2	Seal-Intake Valve	24	82-0100	2	Insert
9	82-0130	2	Gasket-Cylinder Head	24	82-0110	2	Insert
9	82-0960	1	Gasket Kit (Carbon Remove)	24	82-0120	2	Insert
9	92-0947	1	Tube-Oil Filter	25	82-0160	2	Insert-Valve Seat
10	82-0210	2	Head-Cylinder	25	82-0170	2	Insert-Intake Valve (.002 Os)
11	82-1480	1	Screw-Tapping, Round Head	25	92-0925	2	Insert-Valve Seat, Intake
12	57-8050	1	Bearing Kit (Standard Sleeve)	25	92-0926	2	Insert-Valve Seat, Intake
12	57-8060	1	Bearing Kit (.010)	25	92-0927	2	Insert-Valve Seat, Intake
12	59-0020	1	Bearing-Crankshaft (.002)	26	82-0140	2	Guide-Valve, Exhaust
12	59-0030	1	Bearing-Crankshaft (.020)	26	82-0150	2	Guide-Valve, Intake
12	59-0040	1	Bearing-Crankshaft (.030)	27	57-8250	4	Spring
13	57-8160	2	Washer	28	82-0250	8	Lock-Valve Spring
14	57-8010	1	Gasket	29	57-8450	4	Tappet
15	82-0020	1	Plate-Bearing, Rear	30	57-8270	2	Rotacap
16	57-8000	2	Sleeve-Bearing	31	321-11	2	Screw-HH
17	57-9590	1	Seal	32	82-0530	1	Clamp
				33	82-0560	2	Screen-Breather Tube

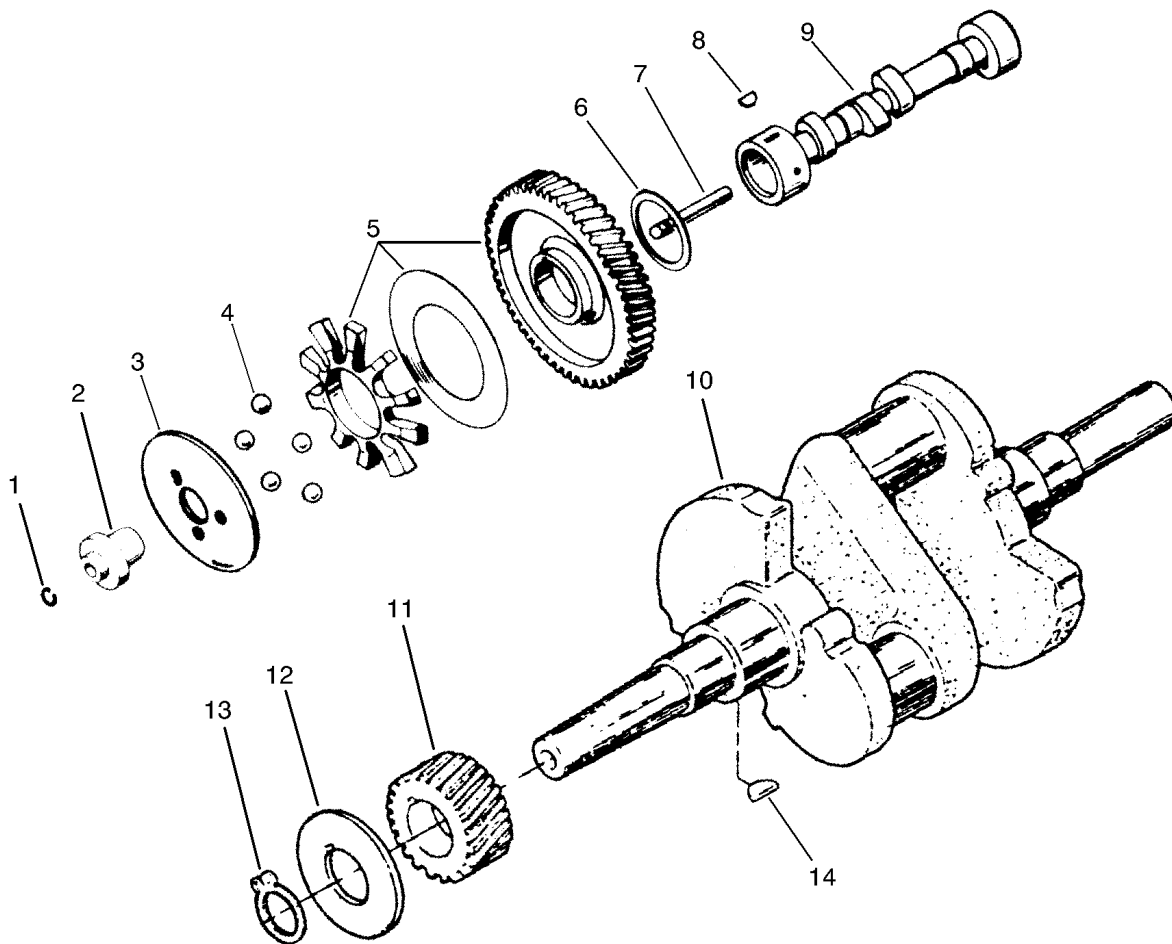
● Not illustrated



Engine Cylinder Block Assembly (continued)

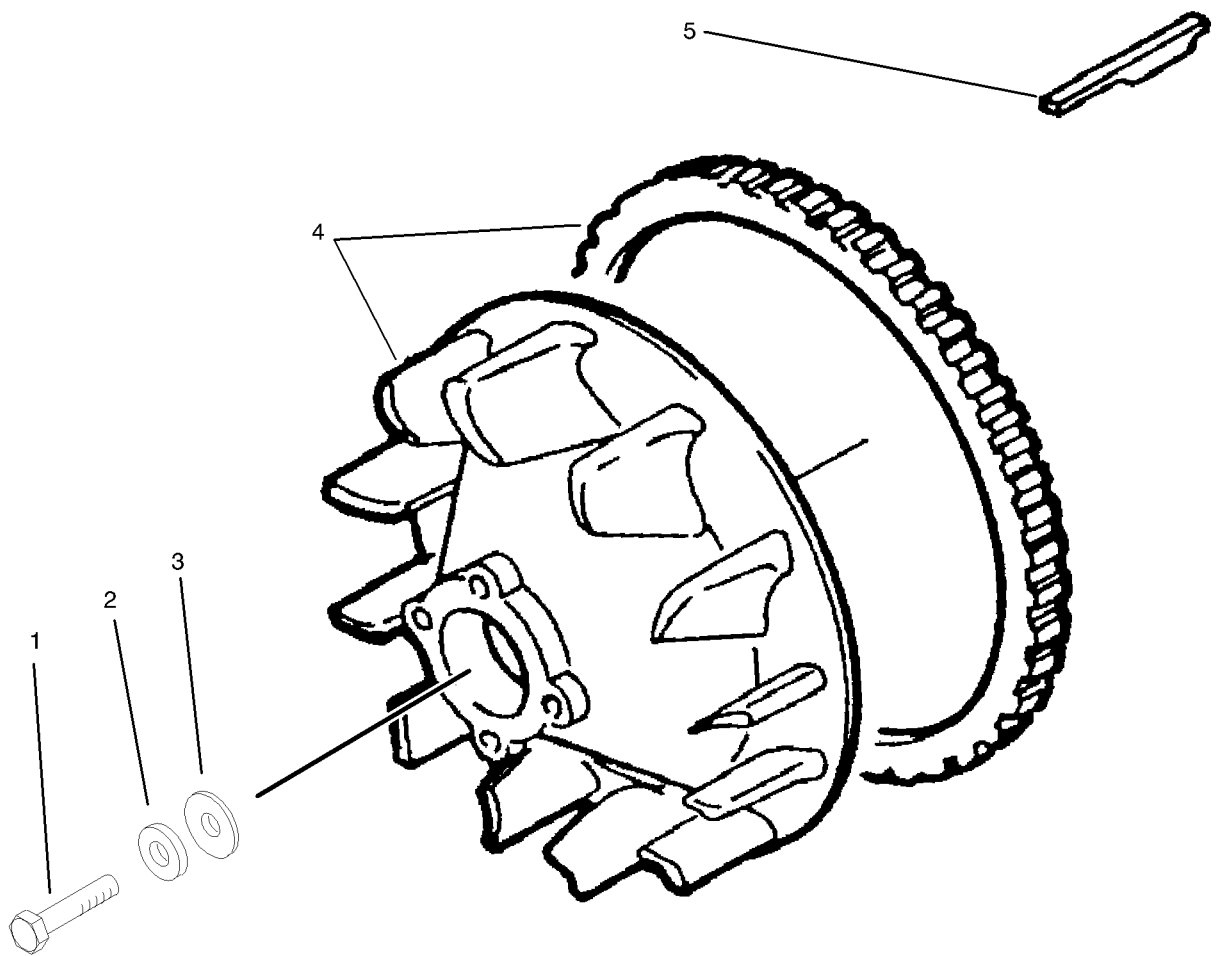
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
34	82-0570	1	Seal - O-Ring	49	321-6	2	Screw-HH
35	82-0420	4	Bearing	50	82-1280	1	Pump-Oil
35	82-0430	4	Bearing	51	57-8460	1	Gasket Kit
35	82-0440	4	Bearing	52	57-8500	1	Spring, Bypass
35	82-0450	4	Bearing	53	57-8470	1	Plunger
35	82-0460	4	Bearing	54	59-0910	1	Screw-HH
36	92-0928	8	Stud-Cylinder Head	55	57-9760	1	Washer
36	92-0929	4	Stud-Cylinder Head Top	56	82-1200	4	Ring-Retaining
36	92-0932	8	Stud-Cylinder Head Mid.	57	82-0380	2	Ring Set-Piston (.020)
37	57-8020	1	Kit-Bearing, Sleeve	57	82-0390	2	Ring Set-Piston (.030)
37	57-8030	1	Bearing Kit (.010)	57	82-0400	2	.030 Oversize
37	57-9360	1	Bearing-Crankshaft	57	92-0939	2	Piston Ring Kit
37	57-9800	1	Bearing-Crankshaft	57	92-0940	2	Piston Ring Kit (.005)
37	59-0010	1	Bearing-Crankshaft	58	82-0470	2	Rod-Connecting
38	57-8170	1	Shim	59	82-1470	4	Bolt-Place
39	59-0750	7	Pin-Gear Cover	60	82-0300	2	Asm-Piston (Std.) (Incl. Ref. #56 & 61)
40	82-0040	20	Nut-Hex	60	92-0934	2	Piston (.005)
41	82-0410	2	Bushing-Piston Pin	60	92-0935	2	Piston (.010)
42	82-1310	4	Washer-Flat	60	92-0936	2	Piston (.020)
43	82-0240	2	Cap-Exhaust Valve	60	92-0937	2	Piston (.030)
44	82-1300	20	Washer-Flat HD, Treated	61	92-0938	2	Pin-Piston
45	82-1650	24	Washer-Lock, Compress	62	82-1620	2	Washer-Lock, Spring
46	59-0760	1	Plug-Core Hole	63	3247-4	2	Screw-Set
47	82-0950	1	Gasket Kit	99	59-0770	1	Plug-Breather Hole ●
48	82-0070	2	Washer				

● Not illustrated



Camshaft and Crankshaft Assembly

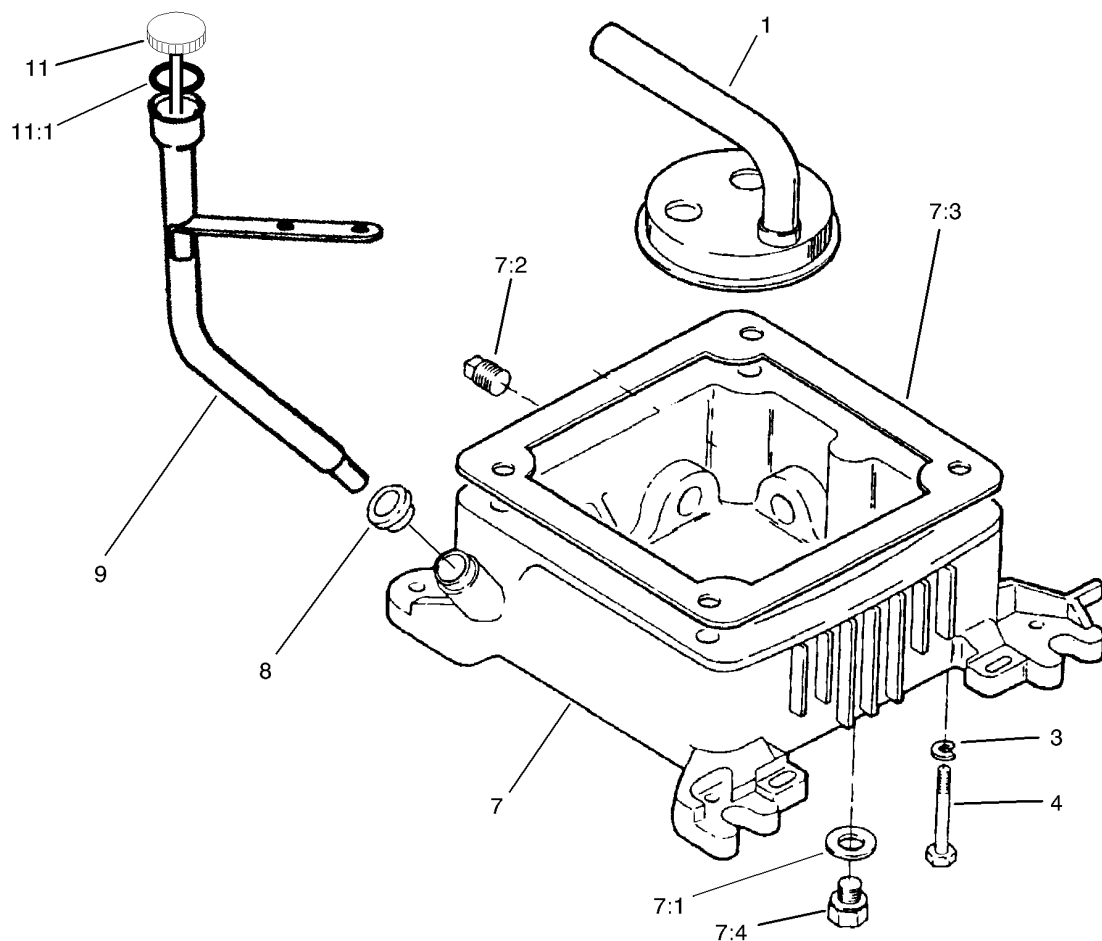
Ref.	Part Number	Qty.	Description
1	57-9090	1	Ring
2	57-9130	1	Hub-Governor Cup
3	59-0450	1	Cup-Governor
4	57-9640	5	Bearing
5	57-8210	1	Gear ASM
6	57-8230	1	Washer-Thrust
7	59-0400	1	Pin-Center
8	57-9660	2	Key
9	82-0880	1	Camshaft
10	82-0060	1	Crankshaft
11	92-0941	1	Gear-Crankshaft
12	57-8140	1	Washer
13	57-9710	1	Ring
14	57-9660	1	Key



Flywheel Assembly

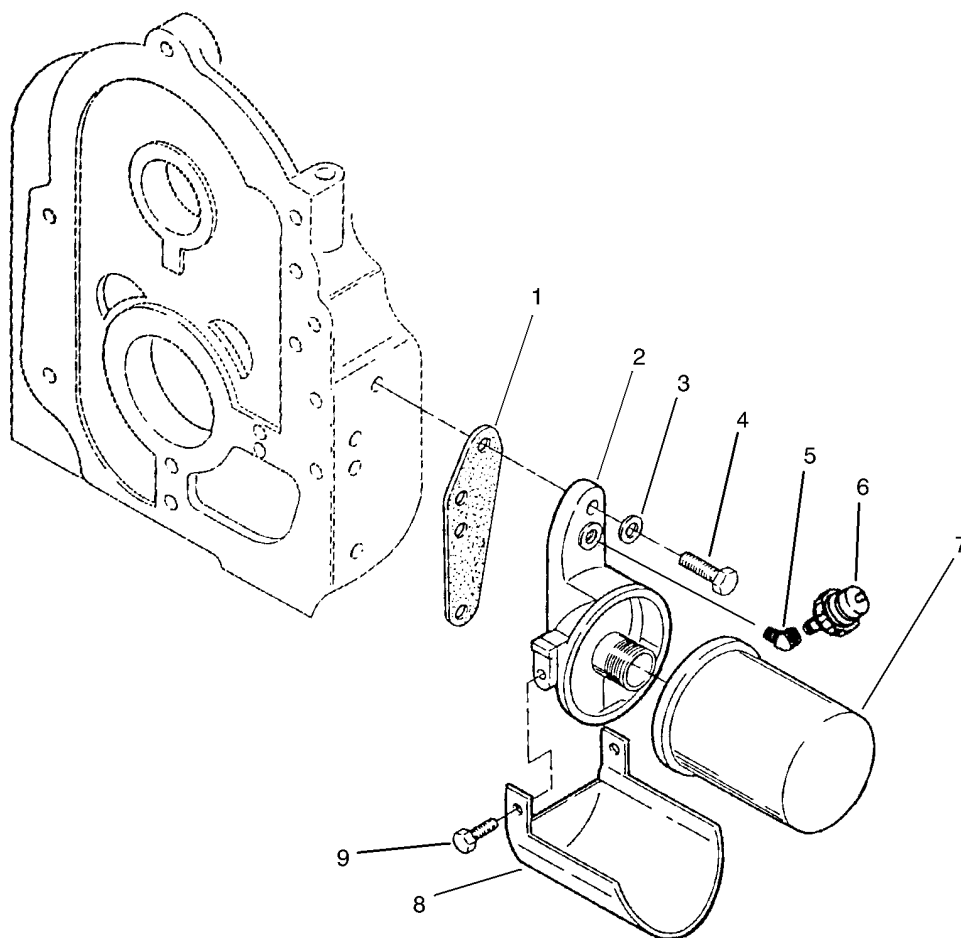
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	57-8150	1	Screw
2	82-1320	1	Washer-Flat
3	59-0810	1	Washer-Flat
4	82-0610	1	Flywheel
5	71-6190	1	Key-Flywheel

PROTOTYPE



Oil Base Assembly

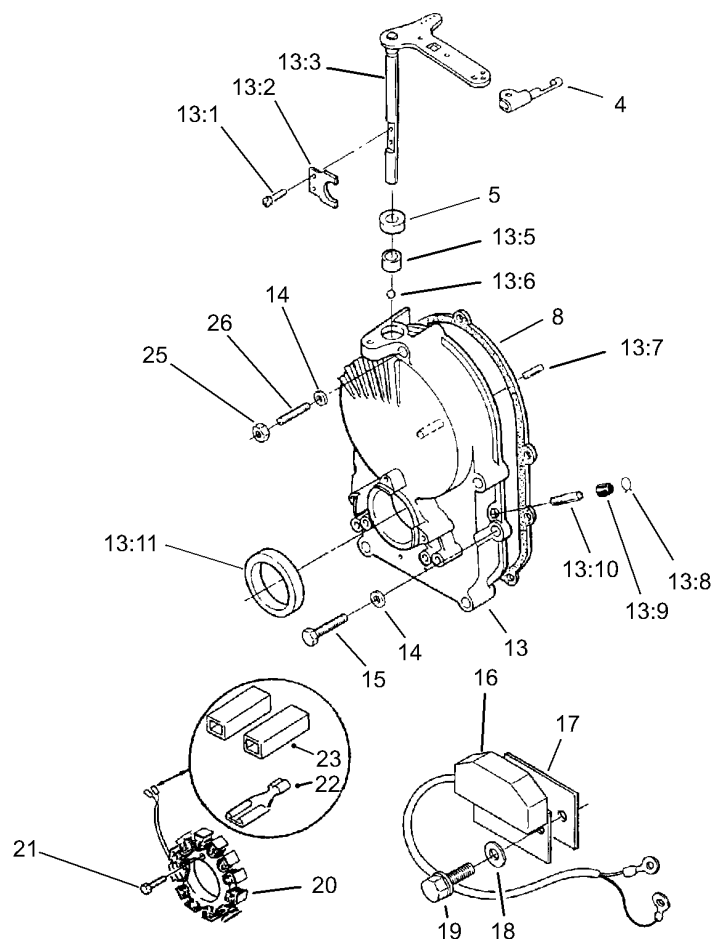
Ref.	Part Number	Qty.	Description
1	92-0944	1	Cup-Oil Pump Intake
3	82-1310	4	Washer-Flat
4	323-25	4	Screw-HH
6	57-8070	1	Gasket
7	92-0942	1	Base-Oil
7:1	82-0900	1	Gasket-Oil Base
7:2	281-2	1	Plug-Pipe, SQH
7:3	57-8070	1	Gasket
7:4	92-0943	1	Plug
8	71-6170	1	Seal-Oil Fill Tube
9	92-0947	1	Tube-Oil Filter
11	82-0590	1	Cap & Indicator
11:1	57-9610	1	Seal O-Ring



Oil Filter Assembly

Ref.	Part Number	Qty.	Description
1	79-6470	1	Gasket
2	82-0500	1	Adapter-Oil Filter
3	57-9750	2	Washer
4	322-5	2	Screw-HH
5	59-0640	1	Elbow-45 DEG
6	57-9490	1	Switch
7	57-8530	1	Filter-Oil
8	82-0510	1	Drain-Oil Filter
9	82-1510	2	Screw-HH

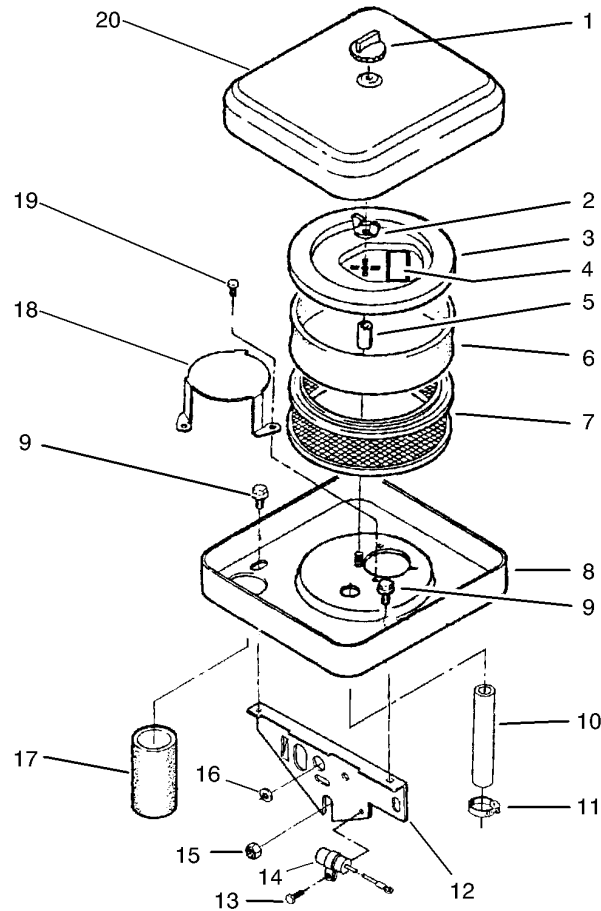
PROTOTYPE



Ignition Control Assembly

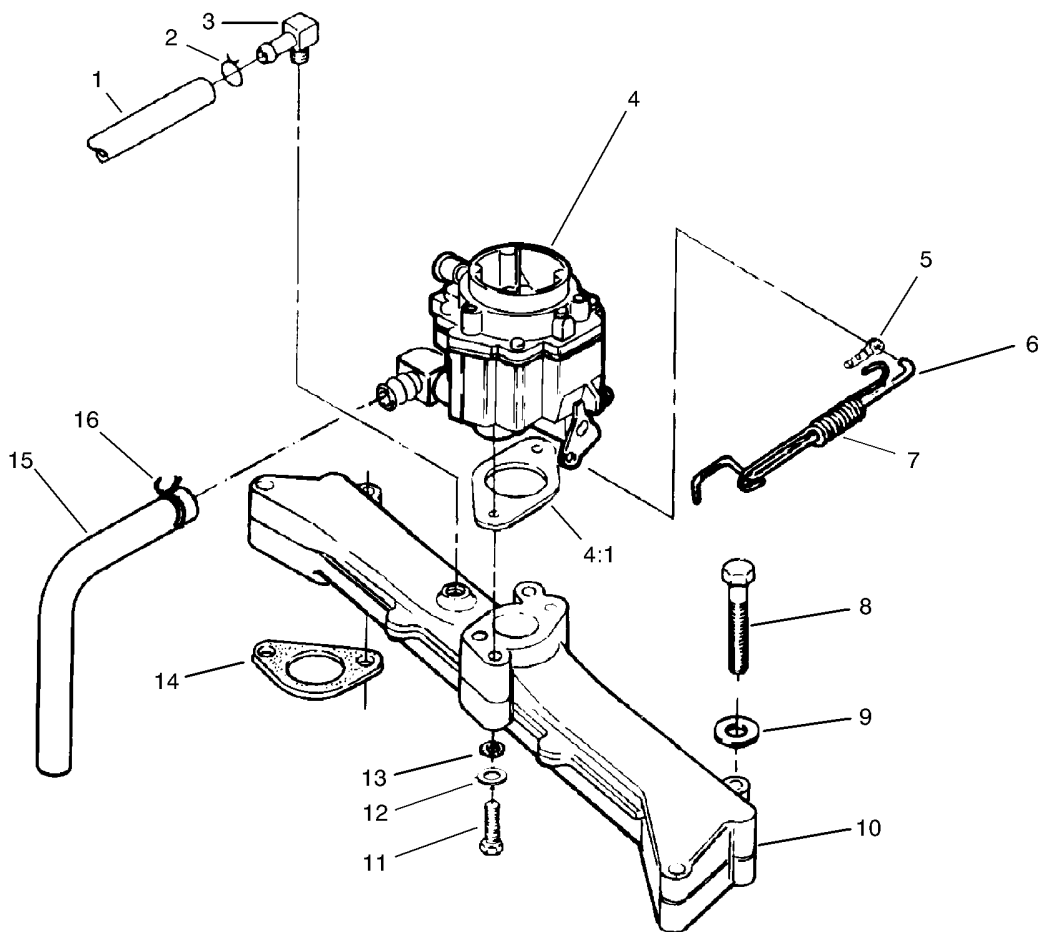
Ref.	Part Number	Qty.	Description
4	57-9730	1	Clip
8	82-0910	1	Gasket-Gear Case
13	71-6350	1	Kit-Gear Case
13:1	59-0950	2	Screw-Pan HD
13:2	59-0420	1	Yoke
13:3	59-0440	1	Shaft/Arm-Governor
13:4	57-9570	1	Seal
13:5	57-9650	1	Bearing
13:6	57-9630	1	Ball
13:7	59-0740	1	Pin-Dowel
13:8	57-9550	1	Clamp
13:9	59-0370	1	Cap-Fuel Outlet
13:10	59-0360	1	Tube-Port, Vacuum

Ref.	Part Number	Qty.	Description
13:11	57-9580	1	Seal
14	57-9750	5	Washer
15	322-9	4	Screw-HH
16	71-6380	1	Control-Ignition
17	71-6410	1	Insulator-Ign Module
18	82-1660	3	Washer-Lock
19	71-6400	2	Screw-HH
20	57-9440	1	Stator
21	71-6390	3	Screw
22	59-0590	3	Terminal
23	82-1000	2	Body-Term. Connector Kit
25	59-1130	1	Nut-Gear Cover
26	59-0790	1	Stud-Gear Cover



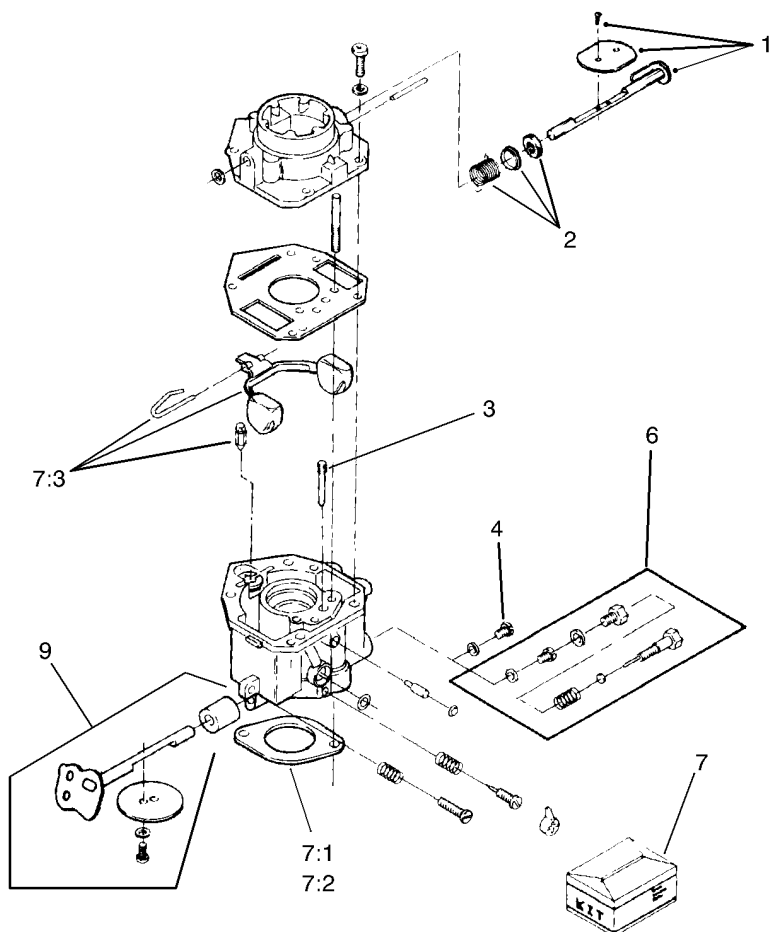
Air Cleaner Assembly

Ref.	Part Number	Qty.	Description
1	82-1760	1	Knob
2	82-1670	1	Knob
3	82-0650	1	Element Cover Kit
4	82-0010	1	Decal-Periodic Maintenance
5	82-0980	1	Spacer-Air Cleaner Stud
6	82-0670	1	Wrapper-Air Cleaner Element
7	82-0660	1	Element-Air Cleaner
8	82-0710	1	Housing-Air Cleaner
9	82-1550	2	Screw-Tapping
10	92-0945	1	Hose-Breather
11	82-1090	1	Clamp-Hose, Breather
12	82-0720	1	Support-Air Cleaner
13	71-6450	1	Screw-HH
14	59-1180	1	Condenser
15	82-1690	1	Nut
16	71-6140	1	Grommet
17	82-0700	1	Tube-Air Intake
18	92-0946	1	Plate-Air Deflector
19	82-1770	3	Screw-HWH
20	82-0690	1	Cover-Air Cleaner



Fuel System Assembly

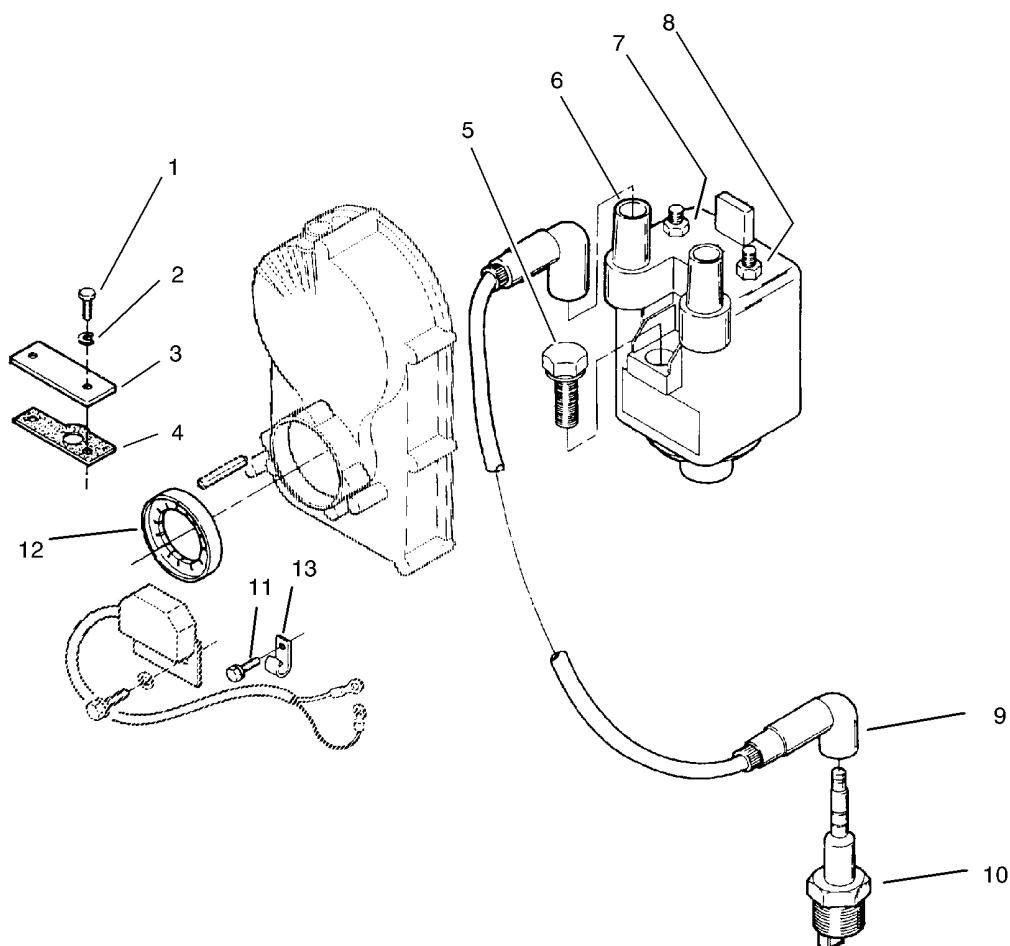
Ref.	Part Number	Qty.	Description
1	82-1120	1	Hose-Rubber, Breather
2	82-1090	1	Clamp-Hose, Breather
3	82-1070	1	Fitting-Barb
4	93-1676	1	Carburetor-Service
4:1	82-0850	1	Gasket-Carburetor
5	57-9700	1	Clip
6	82-0840	1	Rod-Governor Control
7	82-1740	1	Spring-Governor Rod
8	323-14	4	Screw-HH
9	82-1310	4	Washer-Flat
10	82-0670	1	Wrapper-Air Cleaner Element
11	322-12	2	Screw-HH
12	82-1350	2	Washer-Flat
13	82-1340	2	Washer-Flat
14	82-0860	2	Gasket-Manifold To Block
15	82-1100	1	Hose-Fuel, 24" Long
16	82-1080	2	Clamp-Hose



Carburetor Assembly 93-1676

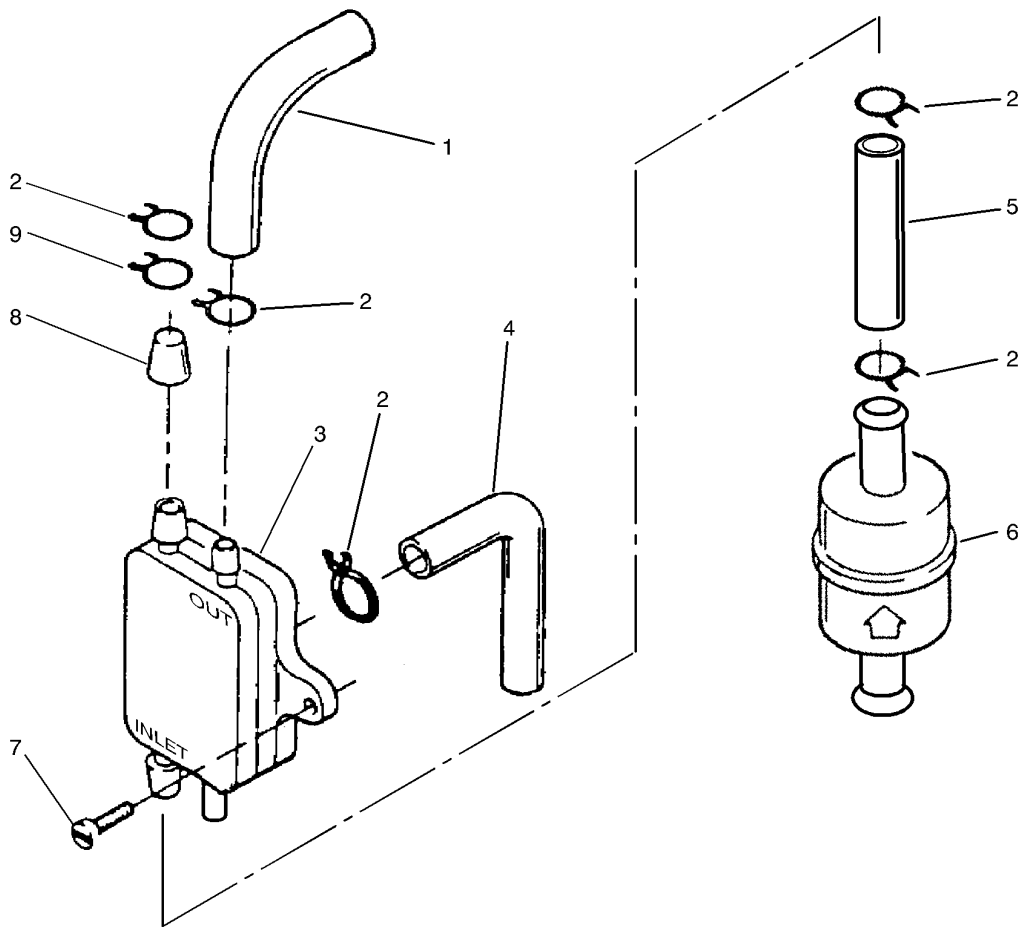
Ref.	Part Number	Qty.	Description
1	72-3860	1	Choke Kit Shaft
2	72-3870	1	Choke Kit Lever
3	82-0750	1	Jet-Idle
4	82-0790	1	Jet-Power
6	82-0740	1	Jet-Fixed, High Altitude
7	93-1677	1	Carburetor-Repair Kit
7:1	82-0850	1	Gasket-Carburetor
7:2	82-0760	1	Gasket-Carburetor
7:3	62-2800	1	Float
9	82-0810	1	Throttle Shaft Kit

PROTOTYPE



Electronic Ignition Assembly

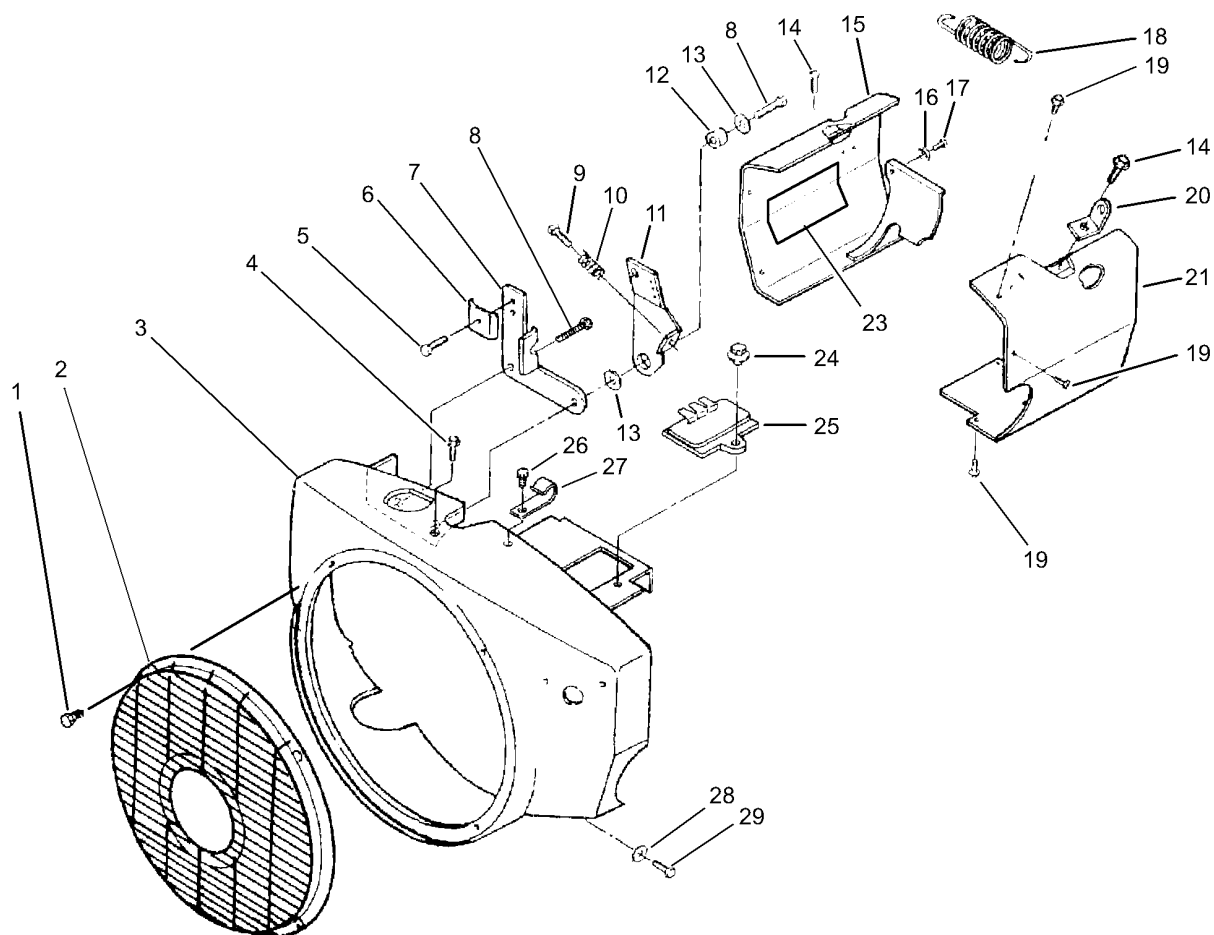
Ref.	Part Number	Qty.	Description
1	321-3	2	Screw-HH
2	82-1340	2	Washer-Flat
3	71-5990	1	Plate-Cover
4	57-9260	1	Gasket
5	71-6460	2	Screw-HH
6	71-6000	1	Coil-Battery Ignition
7	71-6440	1	Nut-Hex Flange
8	71-6430	1	Nut-Hex Flange
9	71-6020	1	Cable-Spark Plug 18"
9	71-6420	1	Cable Plug 9" Long
10	57-9340	2	Spark Plug
11	71-6450	1	Screw-HH
12	71-6010	1	Rotor-Ignition
13	71-6220	1	Clip-Wire



Fuel Pump and Filter Assembly

Ref.	Part Number	Qty.	Description
1	82-1100	1	Hose-Fuel, 24" Long
2	82-1080	6	Clamp-Hose
3	57-9080	1	Pump-Fuel
4	71-6100	1	Hose-Vacuum
5	71-6100	1	Hose-Vacuum
6	71-5960	1	Filter-Fuel
7	59-1050	2	Screw-Tapping Pan HD
8	59-0370	1	Cap-Fuel Outlet
9	57-9550	1	Clamp

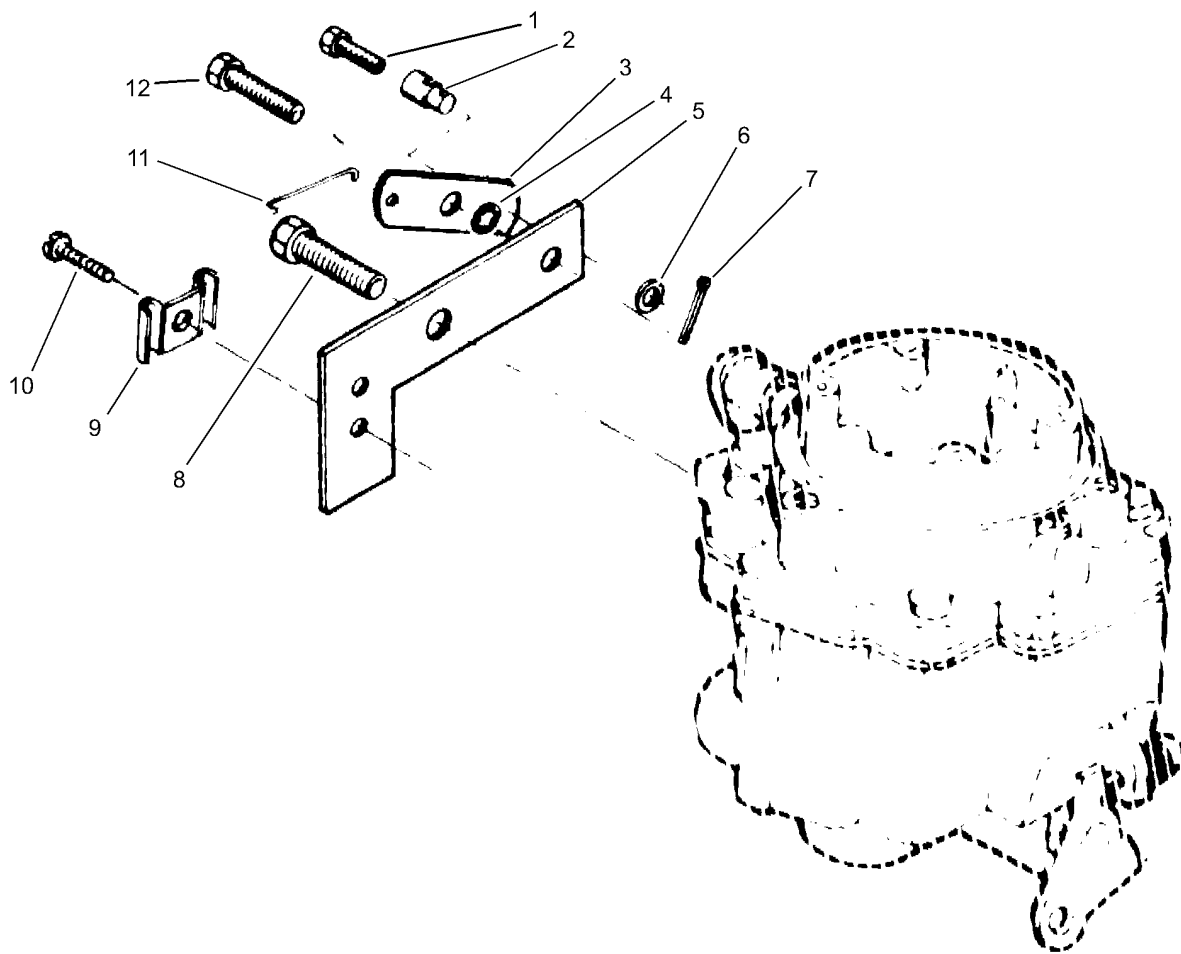
PROTOTYPE



Engine Housing Assembly

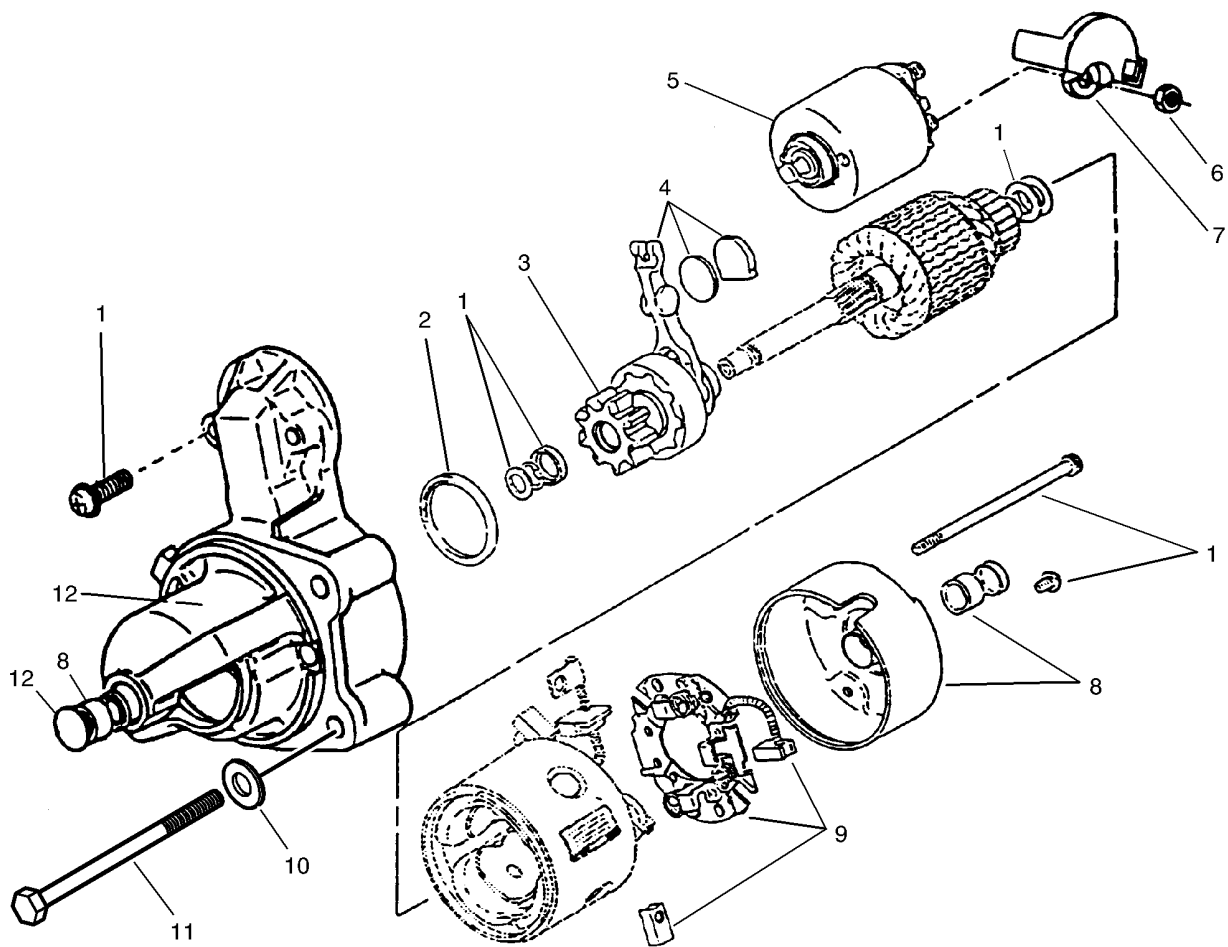
Ref.	Part Number	Qty.	Description
1	82-1590	4	Screw-Pan Head
2	82-0620	1	Guard-Stationary
3	92-0948	1	Housing-Blower
4	59-1100	2	Screw-HWH
5	72-3900	1	Screw-Tapping
6	57-9190	1	Clip
7	57-9150	1	Bracket-Governor
8	59-1010	2	Screw-HWH
9	59-1030	1	Screw-TAP
10	59-0430	1	Spring
11	57-9140	1	Arm
12	57-9120	1	Bushing
13	59-0830	2	Washer-Flat
14	82-1600	2	Screw-HWH

Ref.	Part Number	Qty.	Description
15	92-0949	1	Housing-Air Cylinder, LH
16	59-0830	2	Washer-Flat
17	59-0980	2	Screw-HH
18	57-9100	1	Spring
19	59-1080	4	Screw-HWH
20	71-6080	2	Bracket-Lifting
21	92-0950	1	Housing-Air Cylinder, RH
23	82-1580	2	Decal-Head Bolt, Torque
24	59-1080	1	Screw-HWH
25	71-6030	1	Regulator
26	82-1540	1	Screw-HWH
27	71-6220	1	Clip-Wire
28	59-0820	4	Washer-Flat
29	82-1780	3	Screw-Hex TAP W / Washer



Choke Control Assembly

Ref.	Part Number	Qty.	Description
1	72-3890	1	Screw
2	57-9170	1	Swivel
3	59-0460	1	Swivel-Choke
4	82-1660	1	Washer-Lock
5	59-0470	1	Bracket
6	59-0850	2	Washer
7	59-0720	1	Pin-Cotter
8	72-3880	1	Screw-HWH
9	57-9190	1	Clip
10	72-3900	1	Screw-Tapping
11	57-9180	1	Link-Choke
12	59-1020	1	Bolt-Shoulder



Starter Assembly No. 71-6040

Ref.	Part Number	Qty.	Description
1	62-2760	1	Kit
2	72-3950	1	Dust Seal
3	72-3940	1	Clutch Starter Assembly
4	62-2770	1	Lever
5	72-3930	1	Starter Solenoid Kit
6	82-1730	1	Nut-Hex.
7	82-1720	1	Cover-Solenoid Starter
8	62-2730	1	Bushing
9	62-2740	1	Brush Kit
10	57-9770	2	Washer
11	322-22	2	Screw-HH
12	62-2750	1	Brush Mounting Kit

Notes:

PROTOTYPE



Count on it.

PROTOTYPE