Form No. 3353-486 Rev C

TORO®

Count on it.

Parts Catalog

HydroJect® 3010 Aerator

Model No. 09802—Serial No. 250000001 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

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

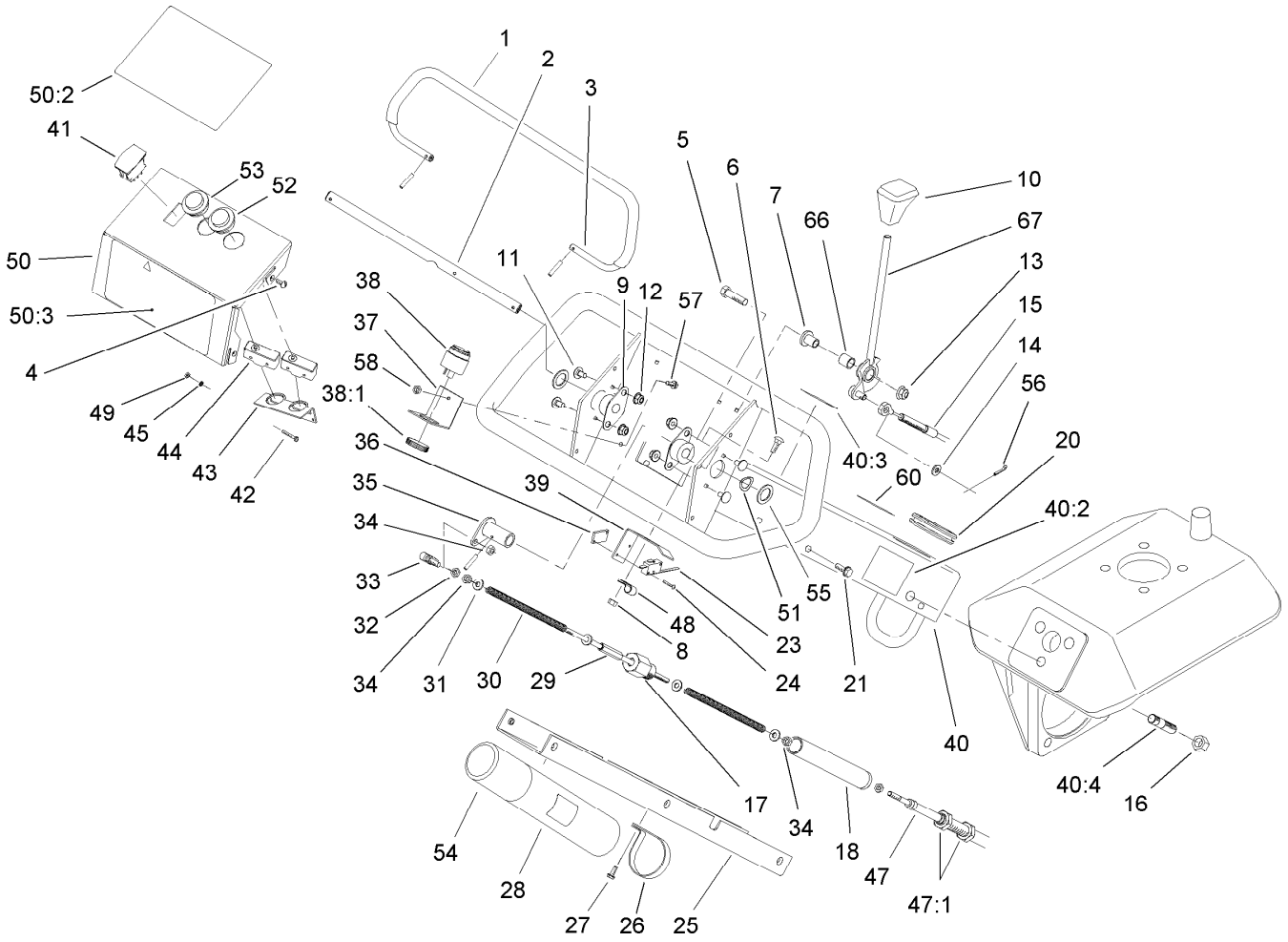
TTH: torx truss head

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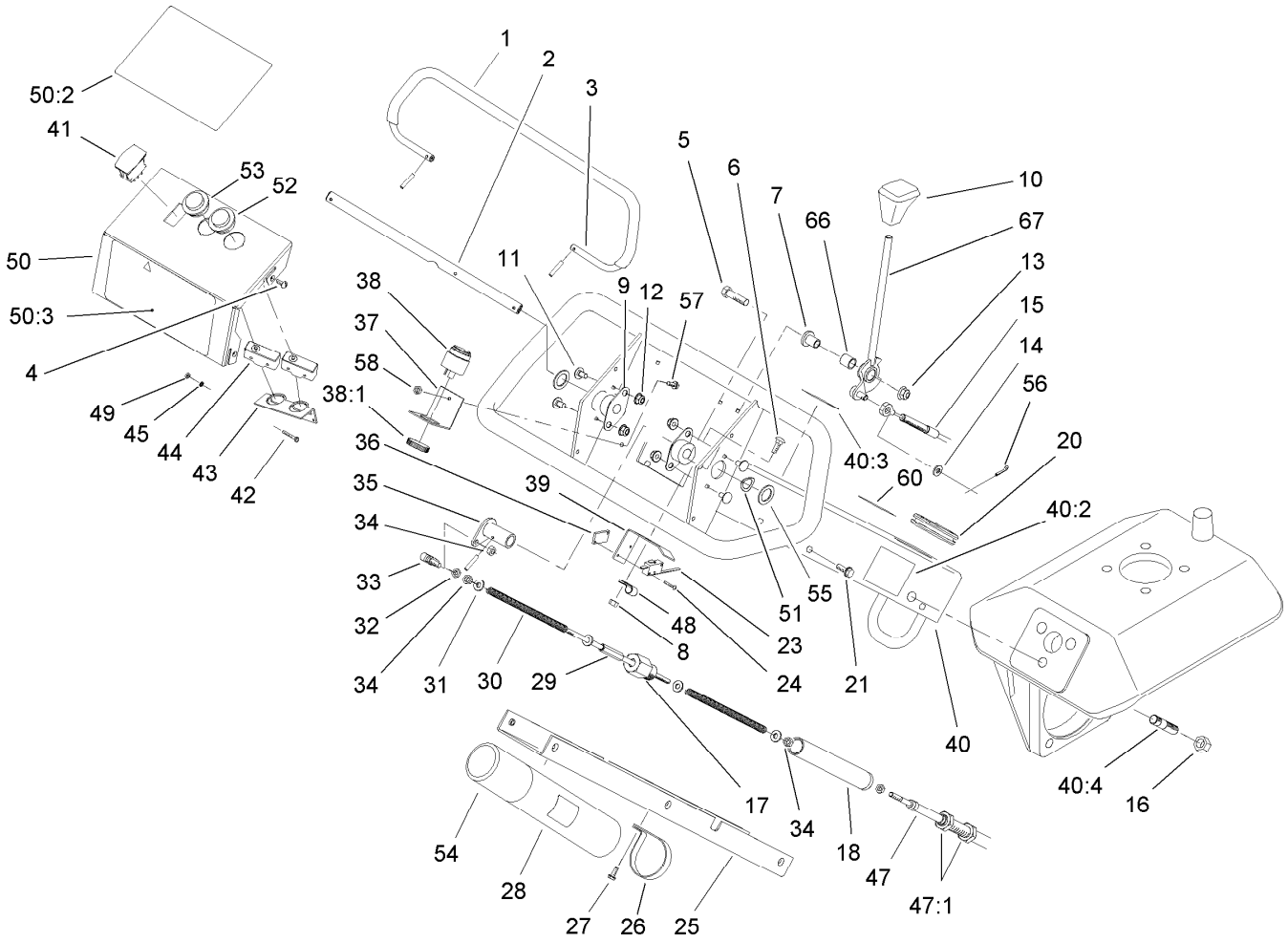
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Handle Assembly

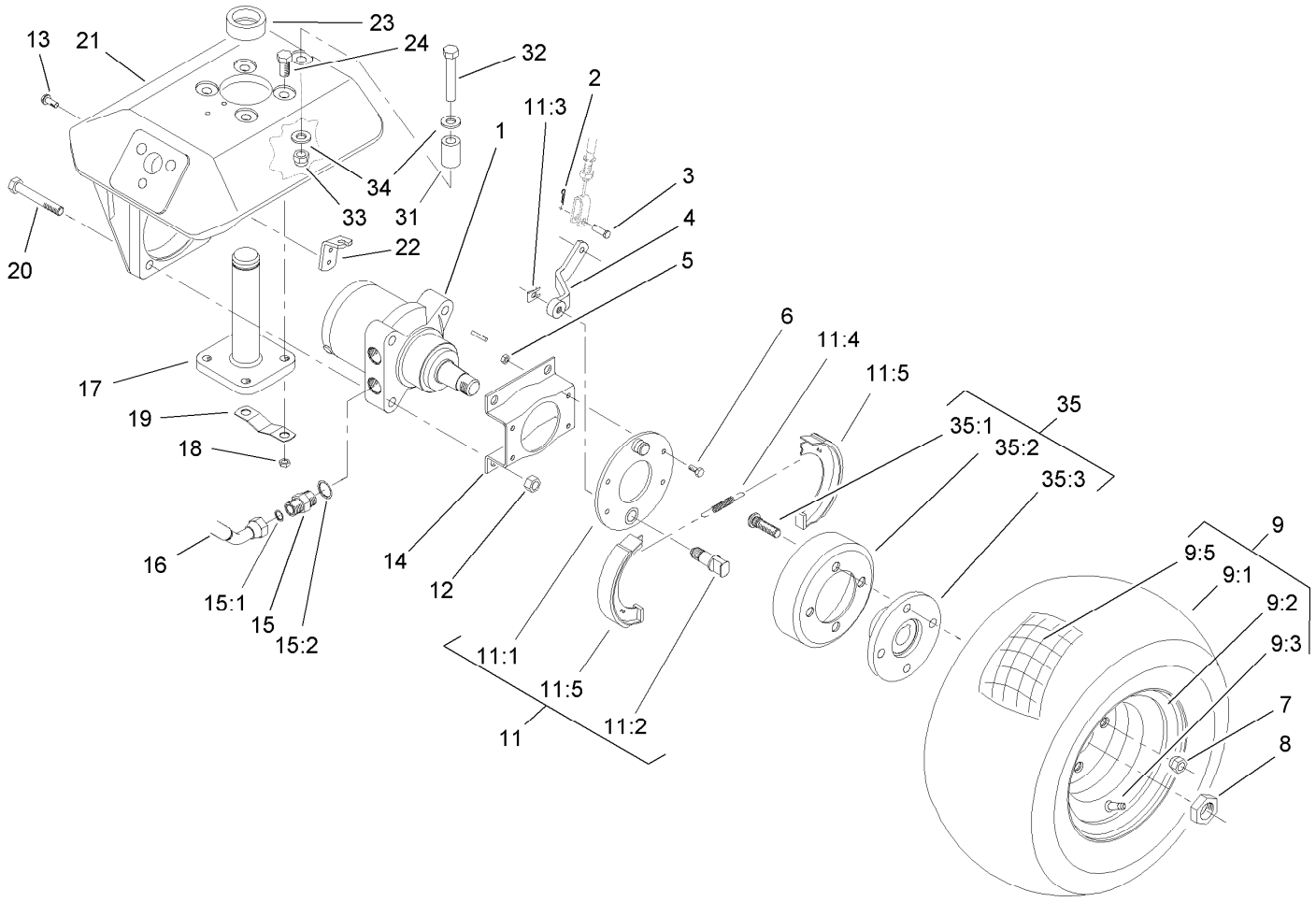
Ref.	Part Number	Qty.	Description
1	106-8948	1	Handle-Traction
2	107-3350	1	Shaft-Pivot, Bail
3	32121-45	3	Pin-Spring
4	32104-60	4	Screw-HWH
5	323-8	1	Screw-HH
6	3229-1	1	Screw-CARR
7	80-7200	1	Spacer-Brake
8	3296-42	1	Nut-Lock, NI
9	256-236	2	Bearing-Mount, Flange
10	65-8970	1	Knob-Shift
11	3230-18	4	Screw-CARR
12	104-8300	4	Nut-Flange, NI
13	104-8301	1	Nut-Flange, NI
14	3256-23	1	Washer-Flat
15	80-9740	1	Cable-Brake
16	3296-19	3	Nut-Hex
17	80-7230	1	Hub-Override
18	80-7080	1	Housing
20	240-8	1	Grommet-Rubber
21	32104-95	6	Screw-HWH
23	40-8200	1	Switch-Micro
24	3290-313	2	Screw-Ph
25	107-3363-03	1	Cover-Lower, Handle
26	2412-120	2	R-Clamp
27	32104-76	2	Screw
28	104-7050	1	Tube-Manual
29	80-7060	1	Shaft-Override
30	80-7150	2	Spring-Compression

Ref.	Part Number	Qty.	Description
31	3256-2	4	Washer-Flat
32	3220-1	1	Nut-Jam
33	2411-34	1	Joint-Ball
34	3296-3	3	Nut-Lock
35	108-1262	1	Bail Lever ASM
36	3290-354	1	Nut-Speed
37	80-7790	1	Bracket-Buzzer
38	80-9330	1	Alarm-Audio
38:1	104-5107	1	Nut-Plastic, Knurled
39	80-6900	1	Support-Switch
40	108-1254	1	Handle ASM
40:2	72-4080	1	Decal-Danger
40:3	93-9363	1	Decal-Brake, Parking
40:4	80-8680	3	Stud
41	100-1535	1	Switch
42	3250-35	4	Screw-PPH
43	80-9270	1	Bracket-Mount, Switch
44	80-9280	2	Switch
45	3254-9	4	Washer-Lock, Internal
47	80-7220	1	Cable-Control, Stroke
47:1	3220-6	4	Nut-Jam
48	2412-94	1	Clamp
49	3217-16	4	Nut-Hex
50	108-1259	1	Control Handle Cover ASM
50:2	108-1265	1	Decal-Control
50:3	108-1317	1	Decal-Warning
51	108-2100	1	Washer-Spring, Curved
52	80-9300	1	Button-Red, Switch



Handle Assembly (continued)

Ref.	Part Number	Qty.	Description
53	80-9290	1	Button-Green, Switch
54	104-7048	1	Cap-Housing
55	3256-69	2	Washer-Flat
56	3272-10	1	Pin-Cotter
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

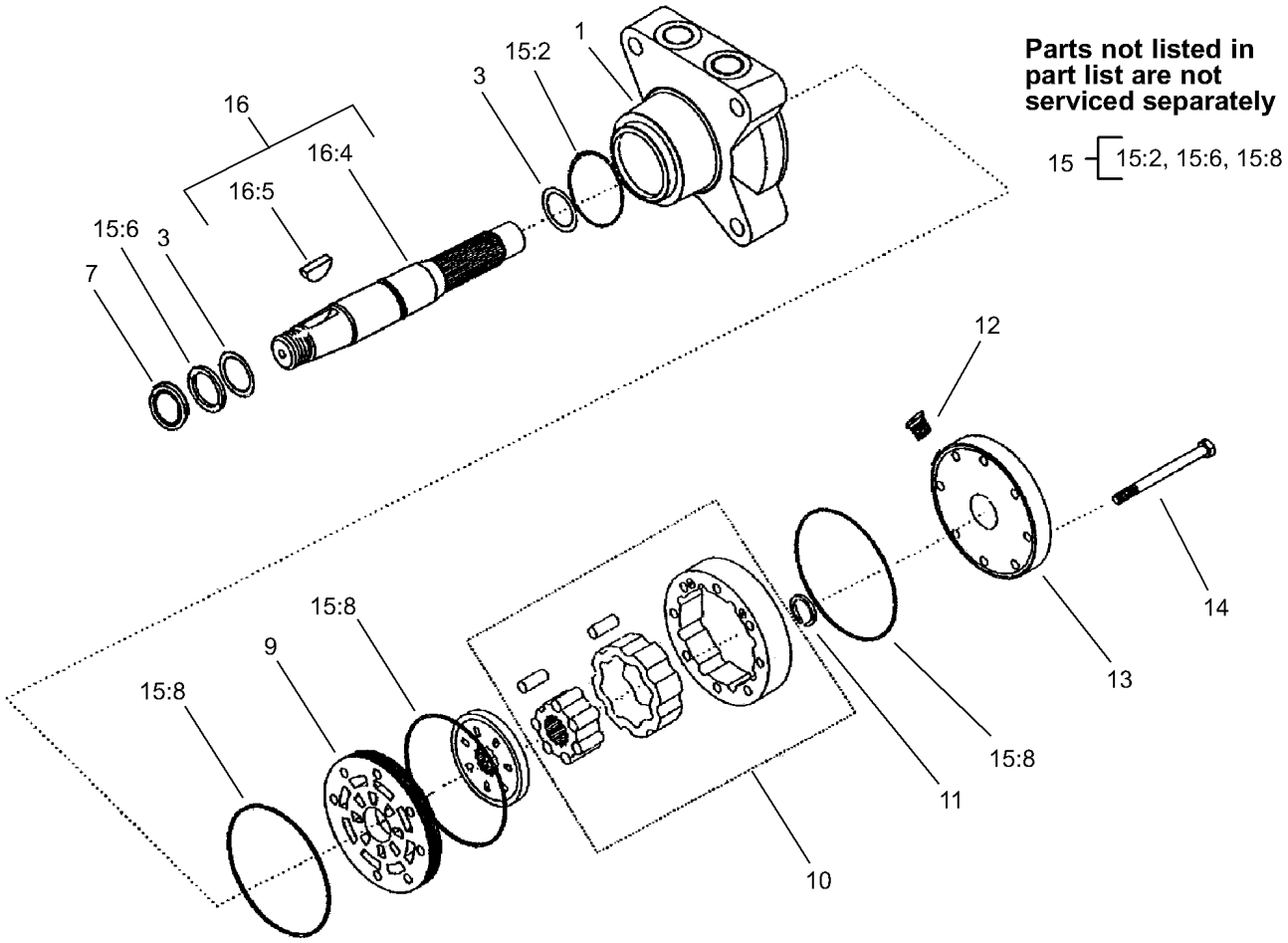


Front Wheel Assembly

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	108-1252-01	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

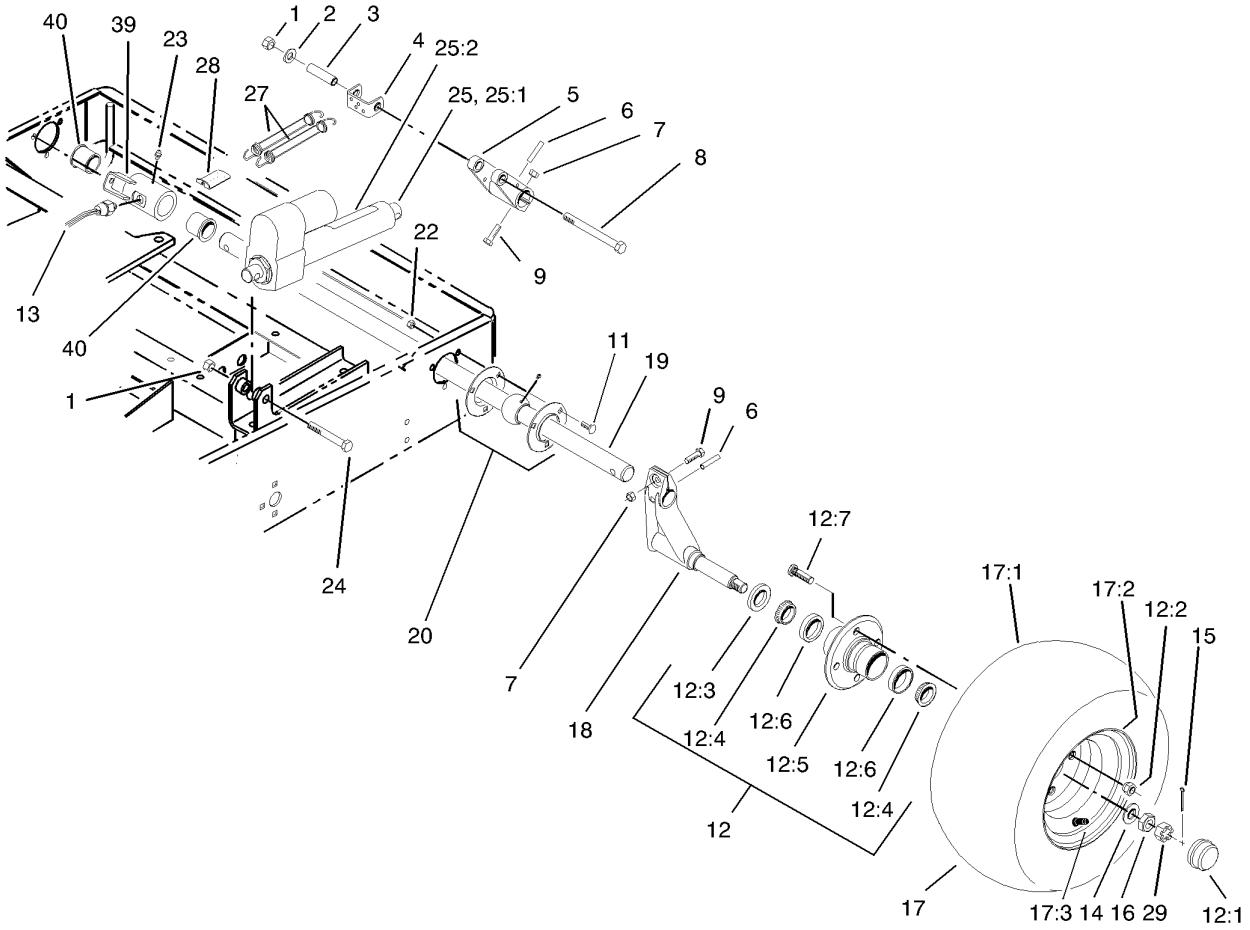
● Not serviced separately



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



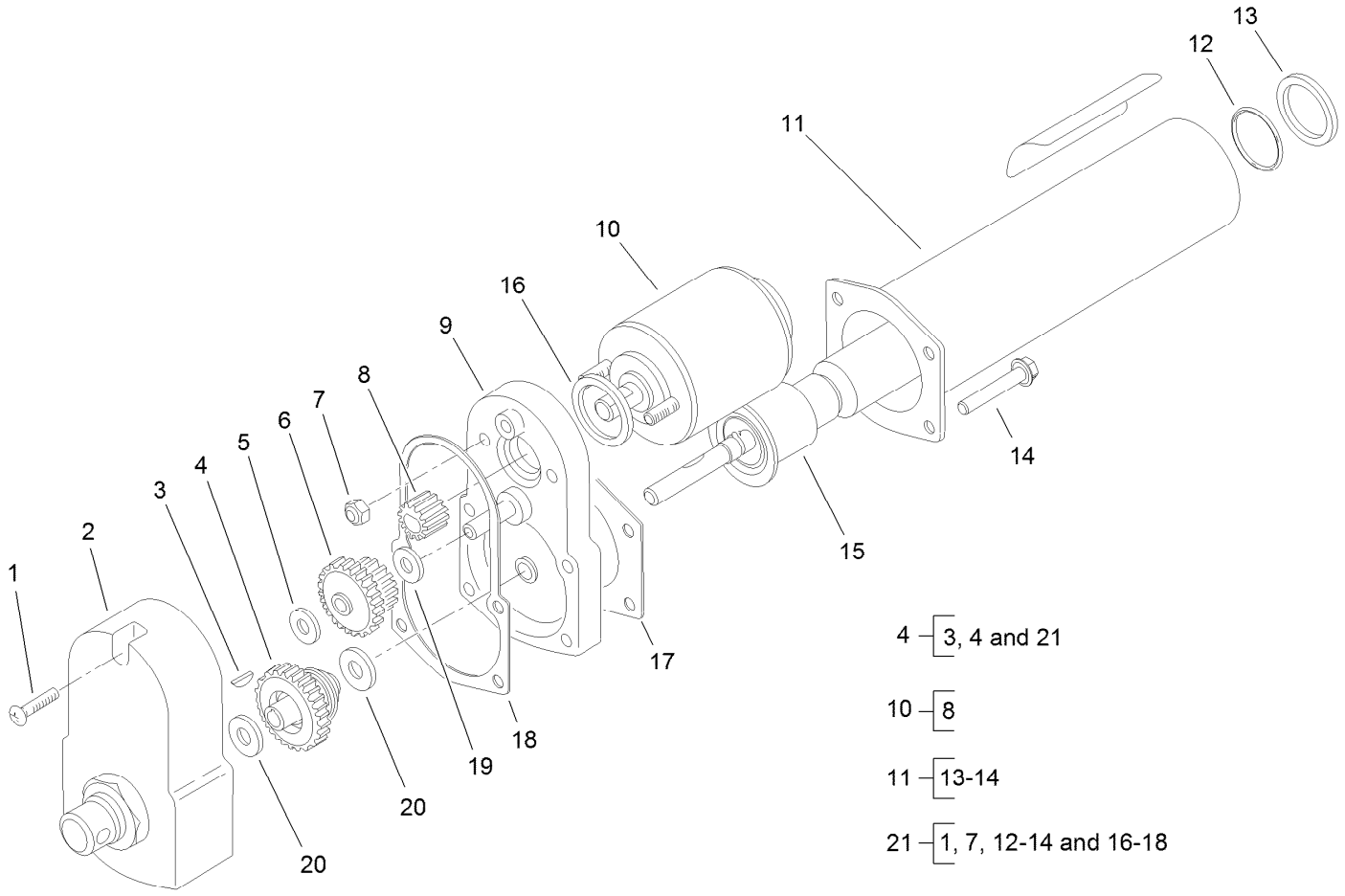
Rear Axle Assembly

Ref.	Part Number	Qty.	Description
1	3296-45	2	Nut-Lock, NI
2	3256-26	1	Washer-Flat
3	80-7970	1	Tube-Return
4	80-7960	1	Bracket-Spring
5	80-5140-03	1	Lever-Lift
6	32121-66	3	Pin-Roll
7	3296-39	3	Nut-Lock, NI
8	325-22	1	Screw-HH
9	323-7	3	Screw-HH
11	3230-22	6	Screw-CARR
12	80-6570	2	Hub ASM
12:1	241-119	1	Cap-Dust
12:2	242-50	4	Nut-Lug
12:3	253-129	1	Seal
12:4	254-94	2	Bearing-Cone, Tapered
12:5	80-6580	1	Hub
12:6	254-72	2	Bearing-Cup, Tapered
12:7	10-6830	4	Stud-Type, Drive
13	72-4310	1	Switch-Ball
14	93-0309	2	Washer-Tab
15	3272-13	2	Pin-Cotter
16	3220-7	2	Nut-Jam

Ref.	Part Number	Qty.	Description
17		2	Wheel And Tire ASM ■
17:1	28-3680	1	Tire
17:2	217-60	1	Rim
17:3	232-27	1	Stem-Valve
17:5	232-37	1	Tube ●
18	93-1663-01	2	Arm-Lift, Masked
19	86-8690	1	Shaft-Lift
20	80-5560	2	Bushing ASM
22	3296-29	6	Nut-Lock, NI
23	302-5	1	Fitting-Grease
24	325-14	1	Screw-HH
25	14-5219	1	Lift Actuator ASM
25:1		1	Actuator-Linear ■
25:2	80-8010	1	Decal-Warning, Keep Hands Away
25:2	83-6150	1	Decal-Warning (Japan)
25:2	93-9367	1	Decal-Warning
27	80-7870	2	Spring-Extension
28	80-8270	1	Bracket-Speed Adjust
29	93-0307	2	Nut-Lock, Retainer
39	86-9030	1	Switch-Limit
40	256-268	2	Bushing

● Not illustrated

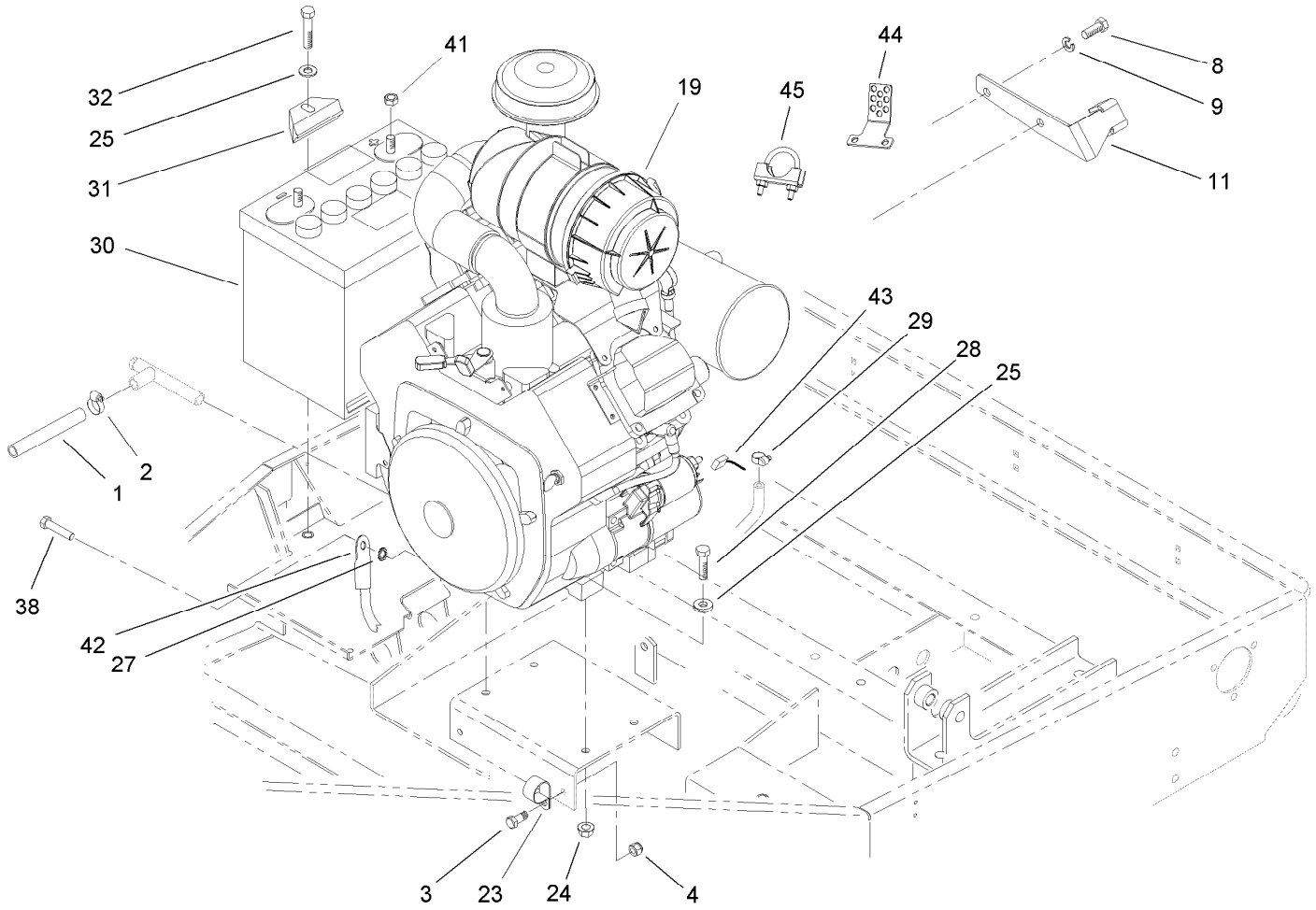
■ Not serviced separately



Lift Actuator Assembly No. 14-5219

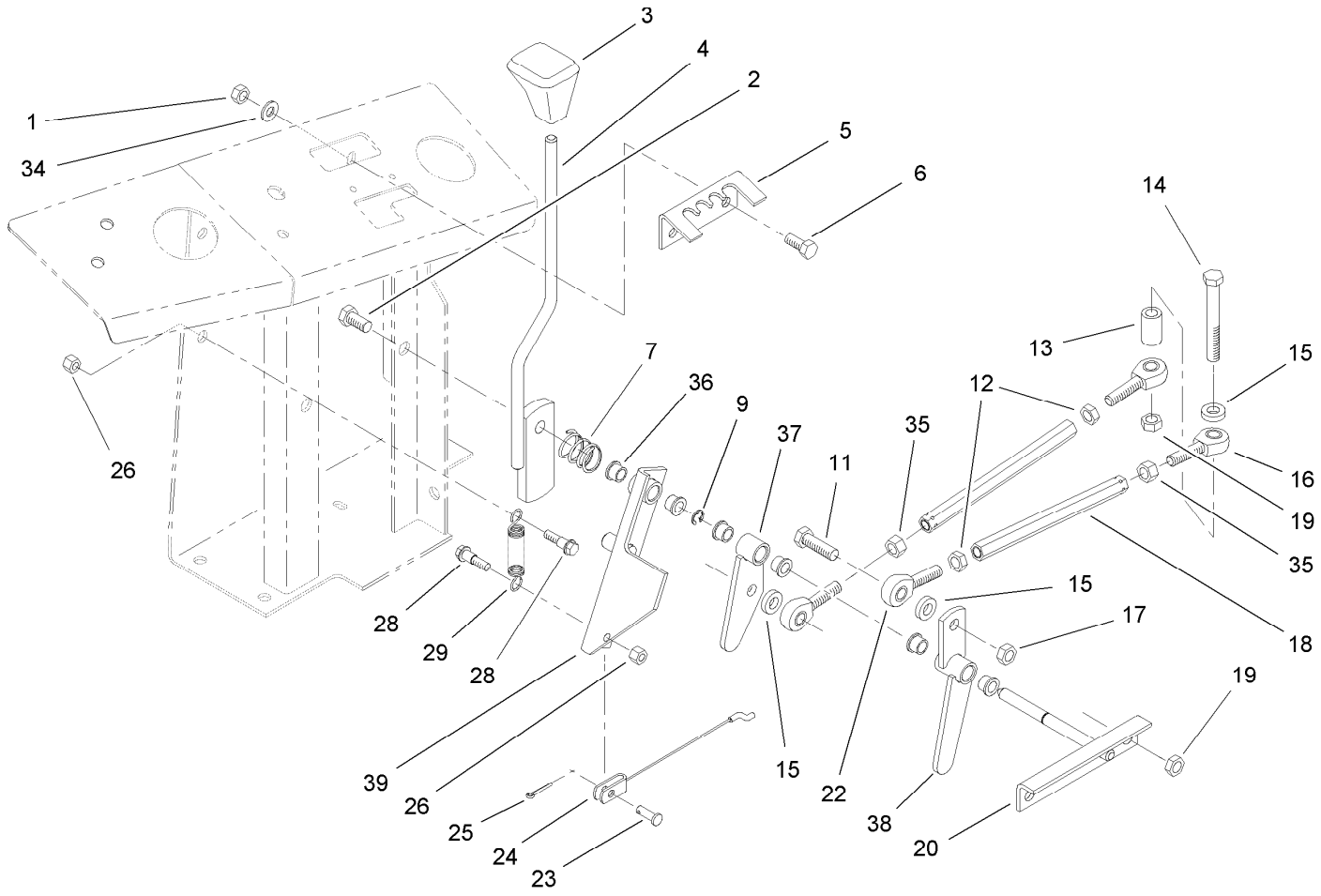
Ref.	*Part Number*	*Qty.*	*Description*
1		1	Screw ●
2		1	Rear Housing ASM ●
3		1	Key-Woodruff ●
4	80-5530	1	Clutch Kit
5		1	Washer ●
6		1	Gear-Intermediate ●
7		2	Nut-Hex ●
8		1	Gear-Motor ●
9		1	Front Housing ASM ●
10	80-5540	1	Motor-12V
11	80-5520	1	Cover Tube ASM
12		1	Seal-Dust ●
13		1	Seal-Lip ●
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 and Battery Installation Assembly

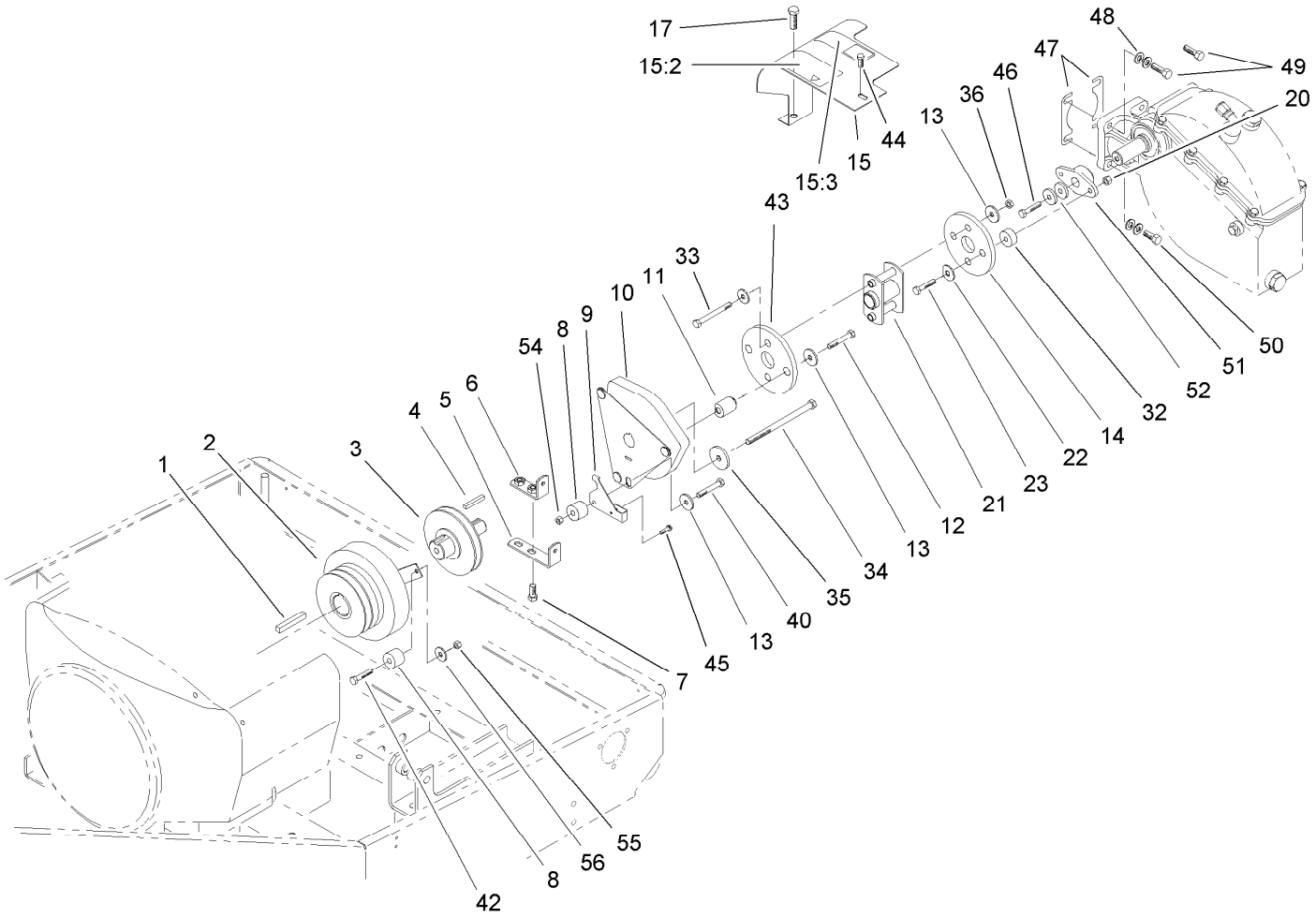
Ref.	*Part Number*	*Qty.*	*Description*
1	108-1283	1	Hose
2	2412-36	1	Clamp-Hose
3	323-5	2	Screw-HH
4	3296-22	2	Nut-Lock, NI
8	324-2	2	Screw-HH
9	3253-6	2	Washer-Lock
11	108-1255-03	1	Bracket-Clutch
19	106-1110	1	Engine-Kohler, Ps-Ch740-0053
23	2412-126	2	R-Clamp
24	32128-21	4	Nut-HF
25	3256-24	5	Washer-Flat
27	3255-9	1	Washer-Lock
28	323-19	4	Screw-HH
29	2412-108	1	Clamp-Worm
30	108-1260	1	Battery-Dry
31	66-2490	1	Retainer-Battery
32	323-9	1	Screw-HH
38	33104-016	1	Screw-HHF
41	32149-10	2	Nut-Keps
42	86-8470	1	Cable-Battery, Negative
43	108-1277	1	Harness-Wire, Main
44	108-1309	1	Deflector
45	2112-11	1	Muffler Clamp ASM



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

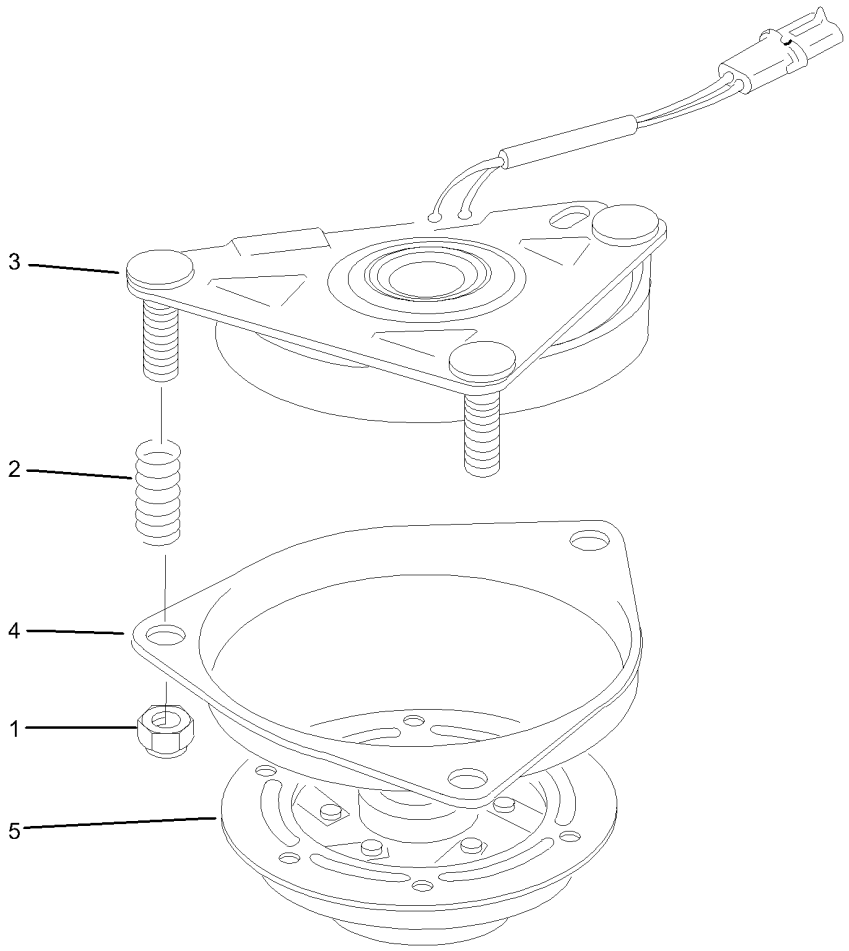
Ref.	Part Number	Qty.	Description
19	3296-39	2	Nut-Lock, NI
20	80-7600	1	Pin-Pivot
22	2411-51	2	End-Rod, RH
23	283-67	1	Pin-Clevis
24	80-8430	1	Cable-Control, Speed
25	3272-4	1	Pin-Cotter
26	3296-56	2	Nut-Lock, NI
28	42-3560	2	Bolt-Shoulder
29	66-4160	1	Spring-Solenoid, Upper
34	3256-23	2	Washer-Flat
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

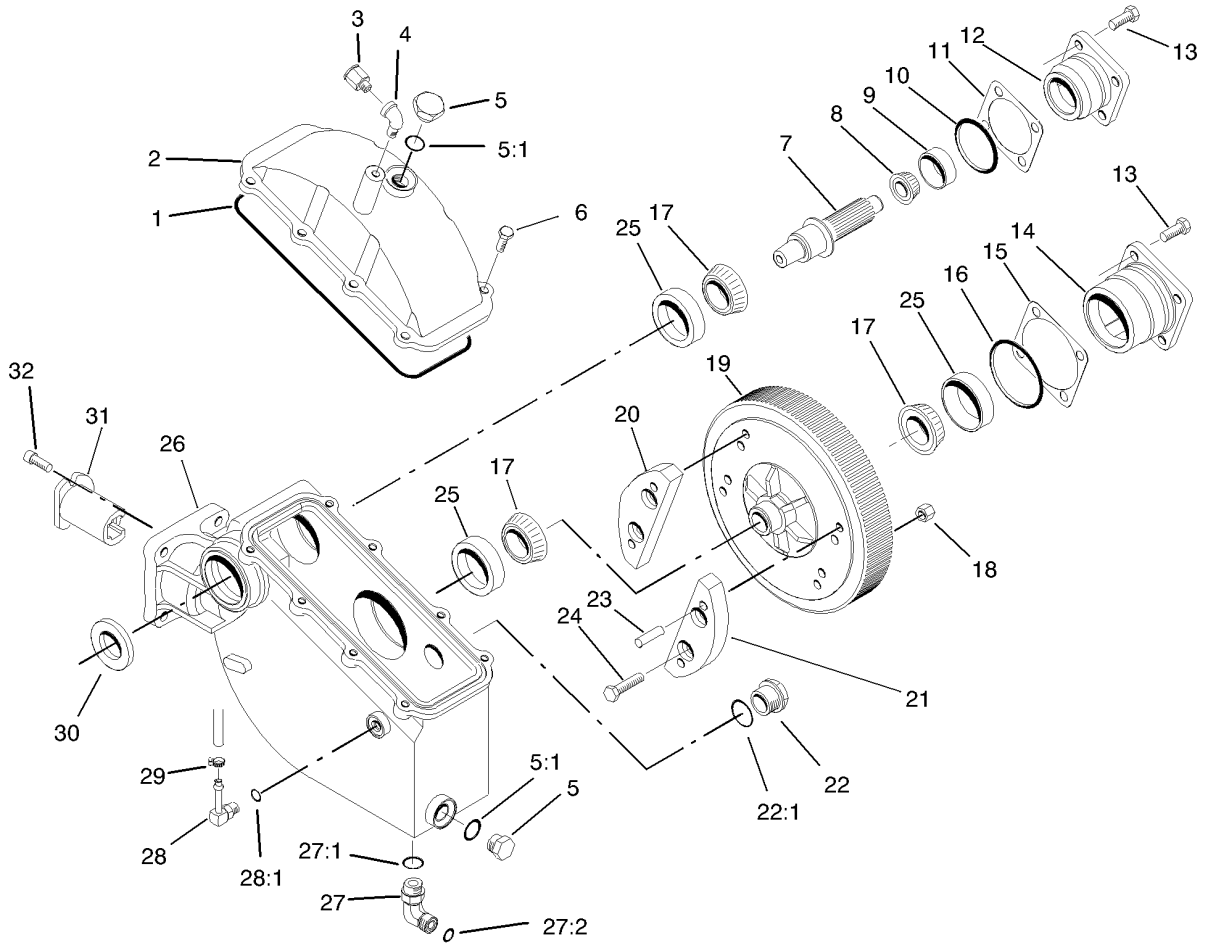
Ref.	Part Number	Qty.	Description
1	108-1301	1	Key-Square
2	80-5430	1	Clutch-Pump
3	80-9520	1	Pulley-Shaft, Clutch
4	7-0238	1	Key-Square
5	80-9780	1	Stop-Clutch
6	80-9760	1	Stop-Clutch
7	323-6	2	Screw-HH
8	108-1267	2	Spacer
9	108-1266	1	Plate-Stop
10	86-8160	1	Clutch And Brake ASM
11	80-9920	2	Adapter-Clutch
12	323-10	2	Screw-HH
13	52-2860	6	Washer
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
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
40	323-19	1	Screw-HH
42	321-43	1	Capscrew
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	80-7051	4	Shim-Gearbox (.005 Blue)
47	80-7050	4	Shim-Gearbox (.002 Red)
47	80-7053	4	Shim-Gearbox (.020 Yellow)
47	80-7052	4	Shim-Gearbox (.015 Pink)
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	5-4460	2	Washer-Pivot
54	3290-357	1	Nut-HHF, Whiz
55	3217-5	1	Nut-Hex
56	3253-3	1	Washer-Lock



Electric Clutch Assembly No. 86-8160

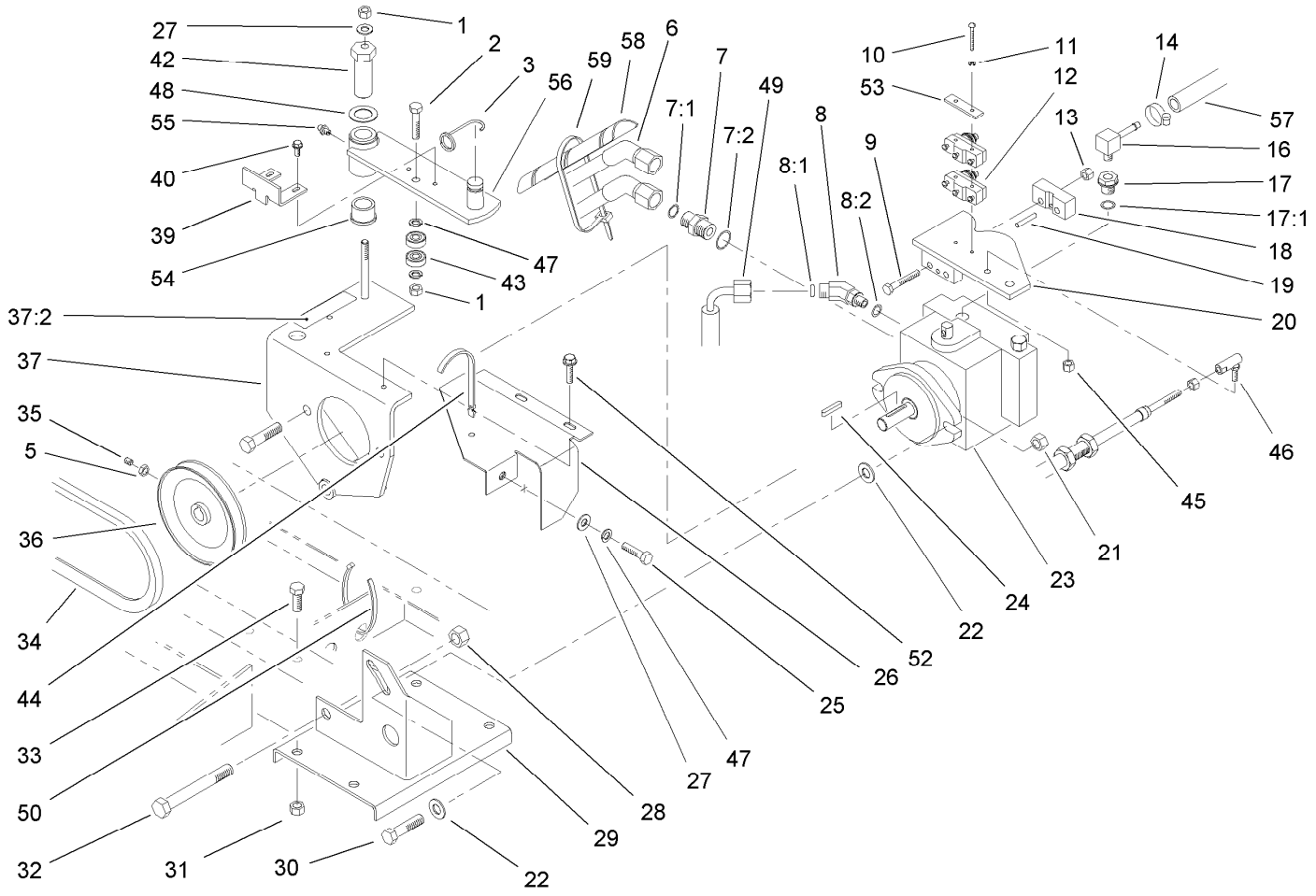
Ref.	*Part Number*	*Qty.*	*Description*
1	3296-6	3	Nut-Lock
2	44-8320	3	Spring
3	67-7050	1	Field And Rotor ASM
4	67-7100	1	Plate-Brake
5	86-8170	1	Armature-Hub



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)

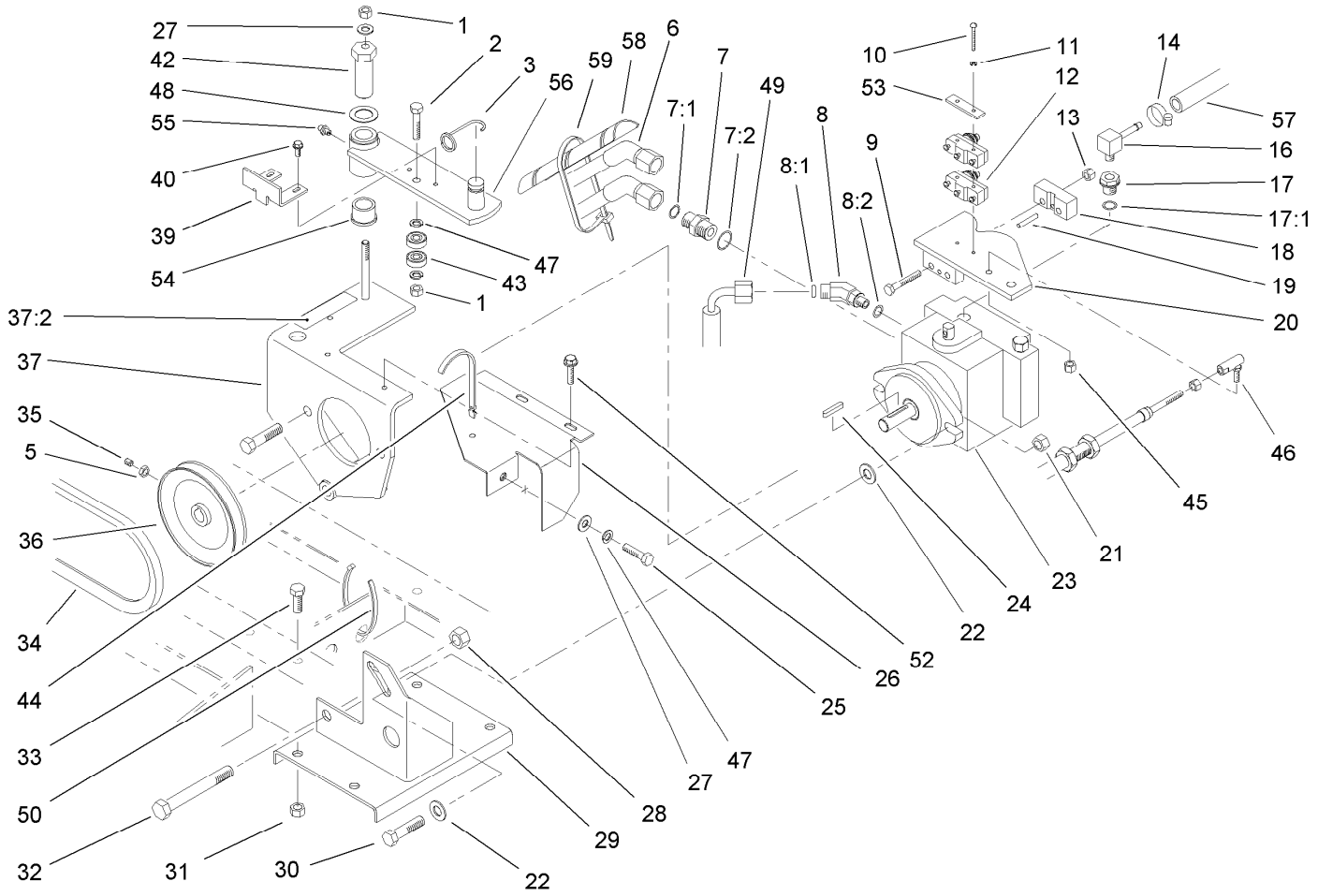
Ref.	Part Number	Qty.	Description
16	237-25	1	O Ring
17	254-62	3	Bearing-Roller, Cone
18	3296-39	4	Nut-Lock, NI
19	80-5280	1	Gear
20	80-8500	1	Cam
21	80-8510	1	Block-Weight
22	69-1170	1	Glass-Sight
22:1	237-81	1	O-Ring
23	32121-42	4	Pin-Roll
24	323-52	4	Screw-HH
25	254-61	3	Cup-Bearing, Roller
26	80-5240	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

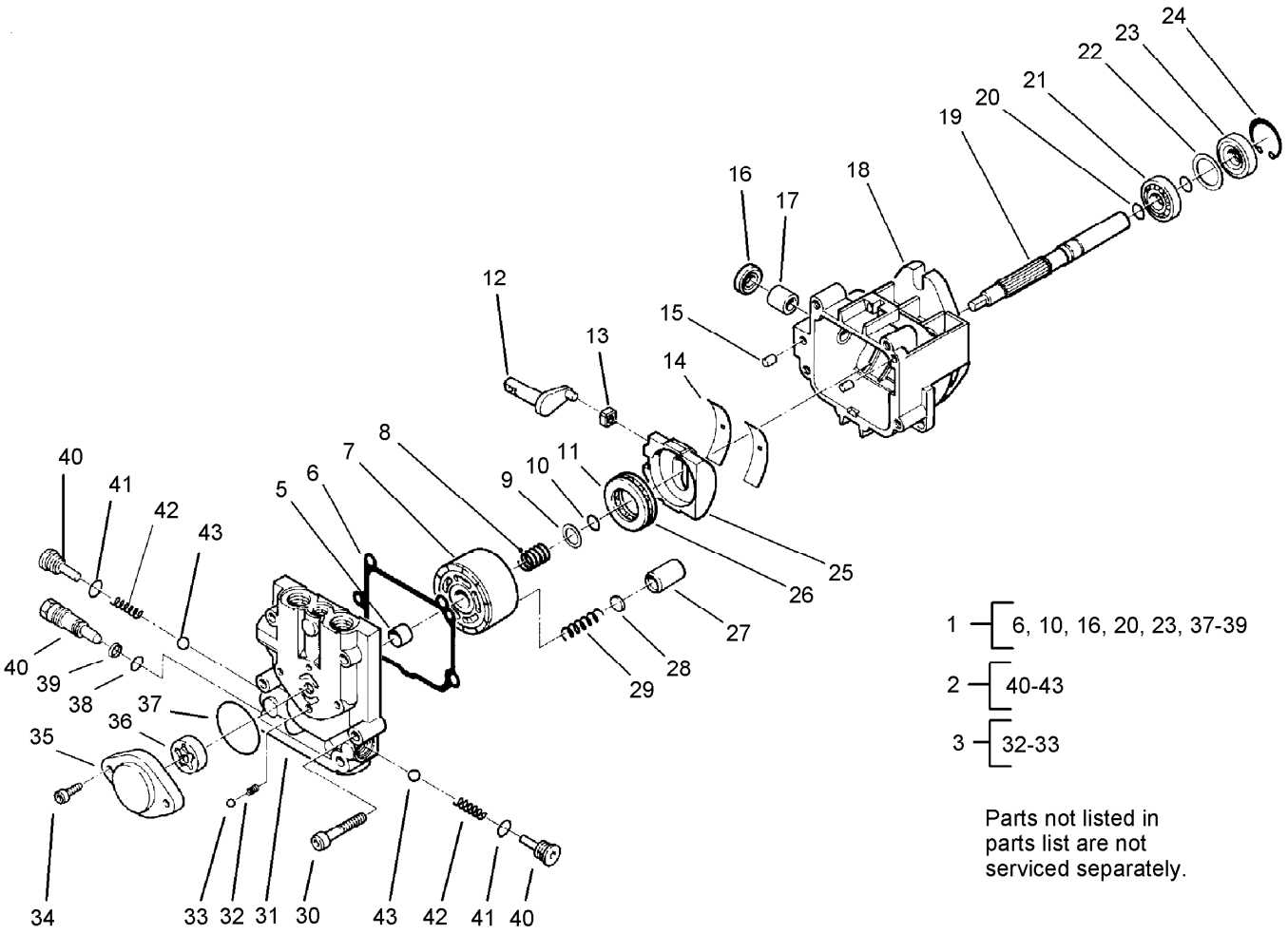
Ref.	Part Number	Qty.	Description
1	3296-29	2	Nut-Lock, NI
2	322-17	1	Screw-HH
3	80-6610	1	Spring-Extension
5	3218-1	2	Nut-Jam
6	80-7330	2	Hose ASM
7	340-4	2	Fitting-HYD, Straight
7:1	237-30	1	O-Ring
7:2	237-79	1	O-Ring
8	340-54	1	Elbow-45 DEG
8:1	237-22	1	O-Ring
8:2	237-78	1	O-Ring
9	321-10	2	Screw-HH
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	108-1307-03	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



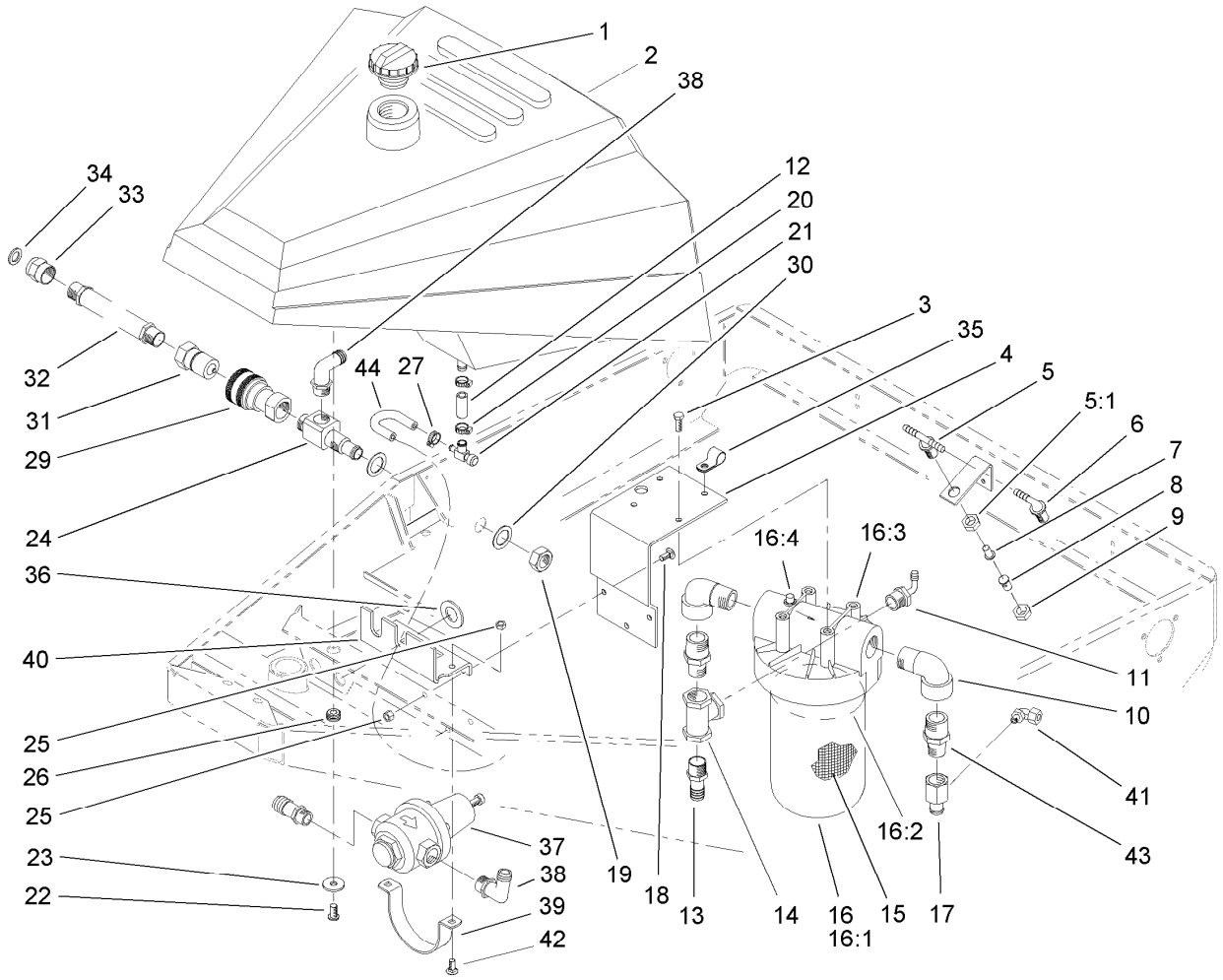
Hydraulic Pump Installation Assembly (continued)

Ref.	Part Number	Qty.	Description
56	80-7630-03	1	Lever-Neutral
57	80-7360	1	Hose-Fuel
58	108-1339	1	Guard-Hose
59	3290-379	3	Tie-Cable



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

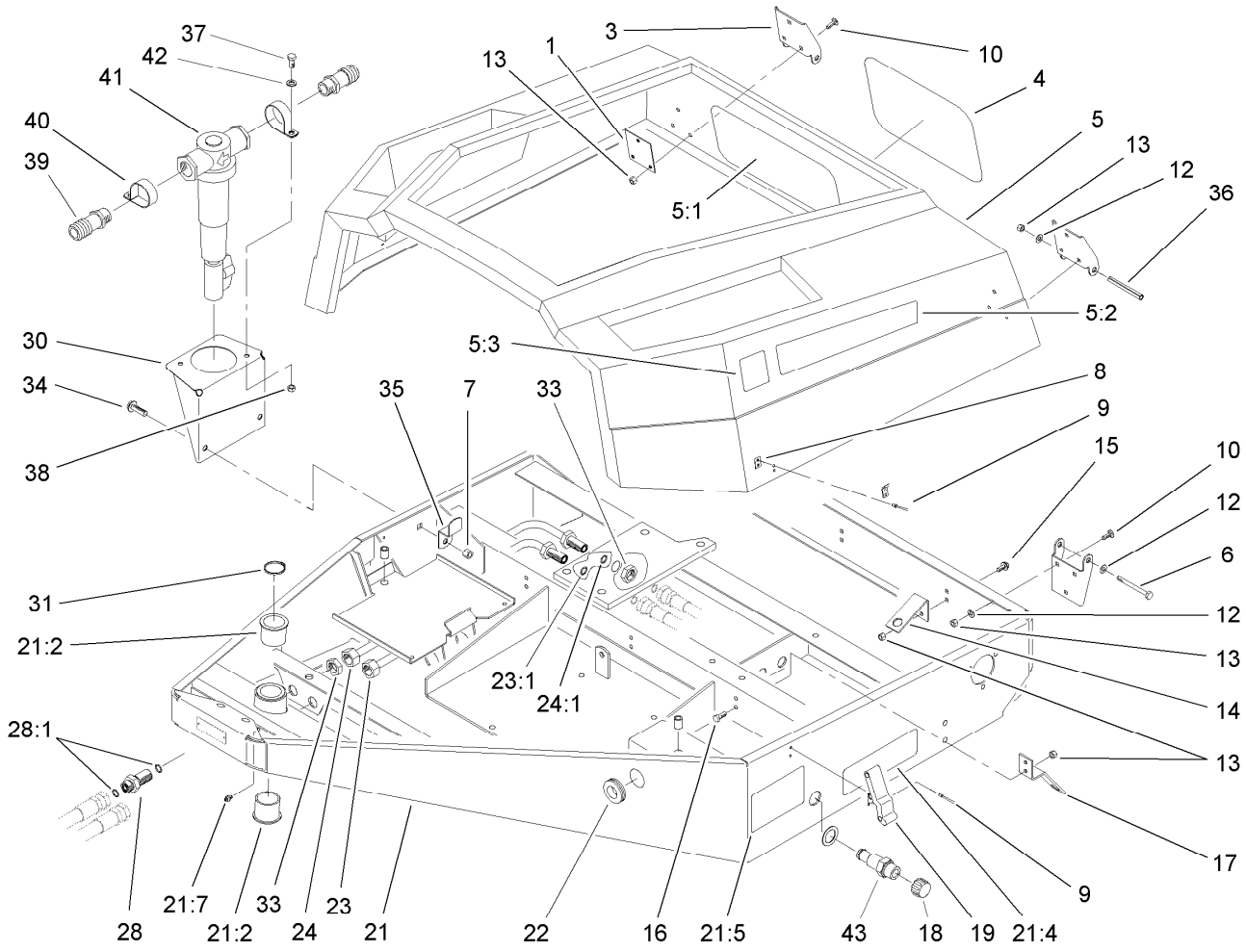


Fuel Tank and Water Inlet Assembly

Ref.	Part Number	Qty.	Description
1	93-3101	1	Cap-Fuel
2	108-1256	1	Tank-Fuel
3	32144-41	4	Screw-Taptite
4	80-8610-03	1	Strap-Mount, Filter
5	355-1	4	Fitting-Tee
5:1		1	Nut ●
6	355-2	2	Fitting-Elbow, 90 DEG
7	355-5	6	Strainer
8	355-6	6	Nozzle
9	355-4	6	Cap-Nozzle
10	95-5675	2	Fitting-Elbow
11	354-106	1	Fitting
12	56-2230	1	Hose-Fuel
13	354-98	2	Fitting-Straight
14	354-133	1	Tee
15	86-8620	1	Filter-Water
16	80-8600	1	Housing-Filter
16:1	80-8930	1	Can-Filter, Water
16:2	237-176	1	O-Ring
16:3	80-9600	1	Head-Filter, Water
16:4	80-8940	1	Button Kit
17	86-8640	1	Fitting-Adapter
18	3230-1	3	Bolt-CARR
19	3296-49	2	Nut-Lock, NI

Ref.	Part Number	Qty.	Description
20	2412-36	2	Clamp-Hose
21	56-2520	1	Fitting-Shut Off, Fuel
22	323-5	4	Screw-HH
23	63-8410	4	Washer
24	86-9160	1	Adapter-Bulkhead
25	3296-29	5	Nut-Lock, NI
26	240-11	4	Bushing-Flange
27	2412-108	1	Clamp-Worm
29	354-88	1	Coupler-Female
30	3256-42	4	Washer-Flat
31	354-89	1	Coupler-Male
32	80-6740	1	Intake Hose ASM
33	354-109	1	Fitting
34	3290-494	1	Washer-Rubber
35	2412-41	1	Clamp
36	3256-29	2	Washer-Flat
37	86-9170	1	Valve-Regulator
38	354-100	2	Fitting-90 DEG
39	92-9538-01	1	Strap-Regulator
40	92-9537-01	1	Bracket-Regulator
41	354-101	1	Fitting
42	3230-2	2	Bolt-CARR
43	95-5676	2	Fitting-Reducer
44	19-3250	1	Hose-Fuel

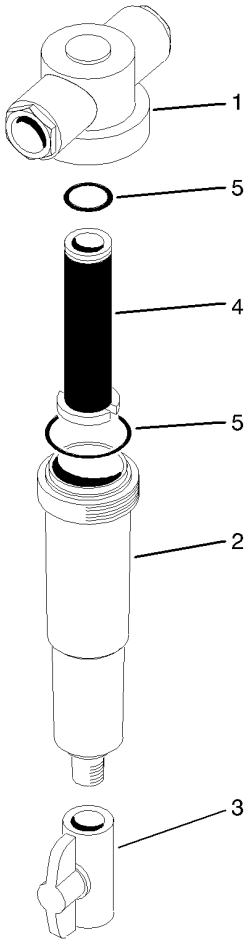
● Not serviced separately



Frame and Cover Assembly

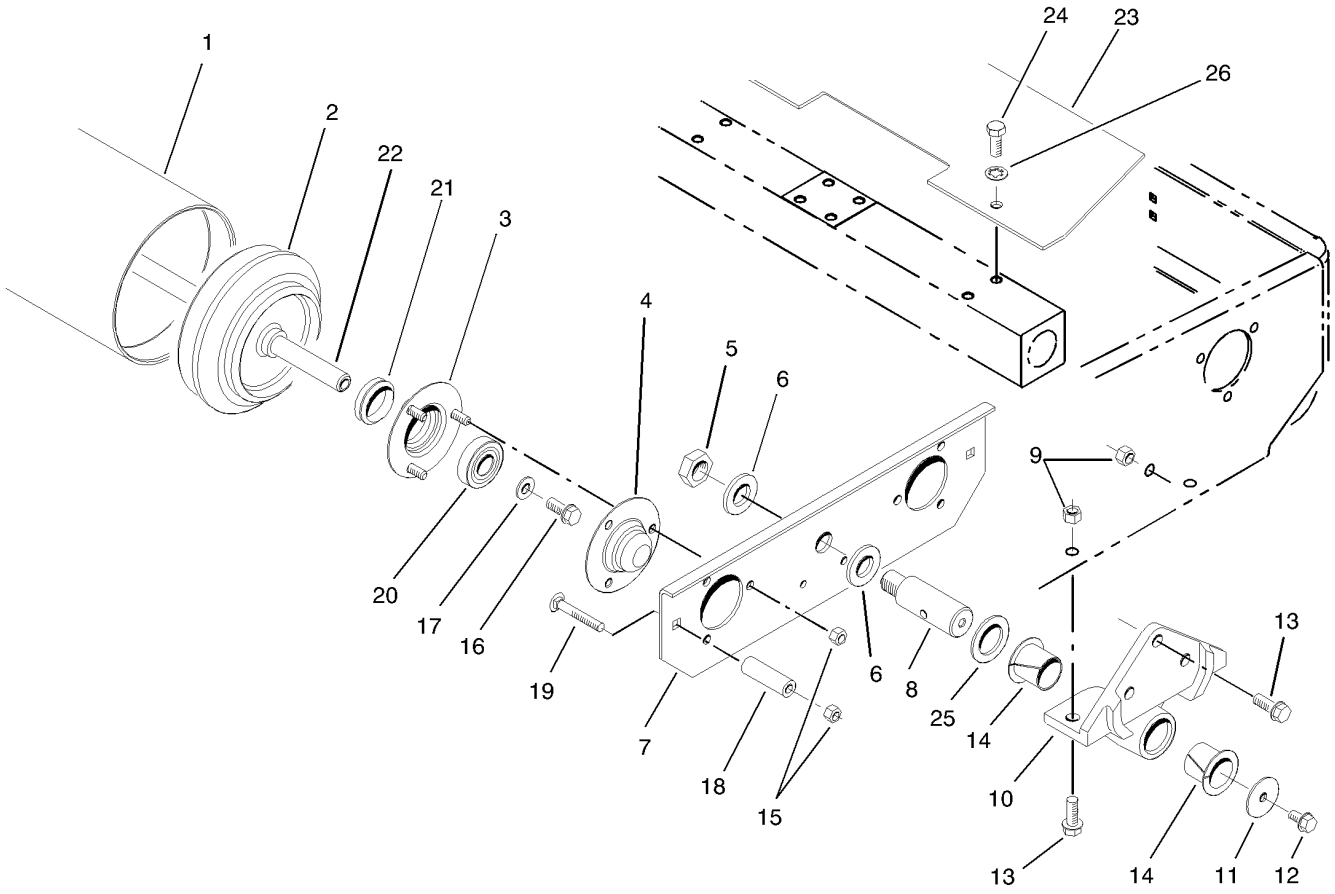
Ref.	Part Number	Qty.	Description
1	80-9090-03	2	Plate-Back Up
3	80-9080-03	4	Hinge
4	67-7310	1	Decal
5	108-1294	1	Hood ASM
5:1	108-1289	1	Decal-Service
5:2	108-1293	2	Decal
5:3	105-1217	2	Decal
6	321-28	2	Screw-HH
7	3296-39	2	Nut-Lock, NI
8	80-9260	2	Plate-Back Up
9	3269-25	8	Rivet-Pop
10	3229-1	12	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	108-1275	1	Frame ASM
21:2	256-245	2	Bushing-Flange
21:4	80-8090	3	Decal-Warning

Ref.	Part Number	Qty.	Description
21:5	92-9542	2	Decal-Important
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

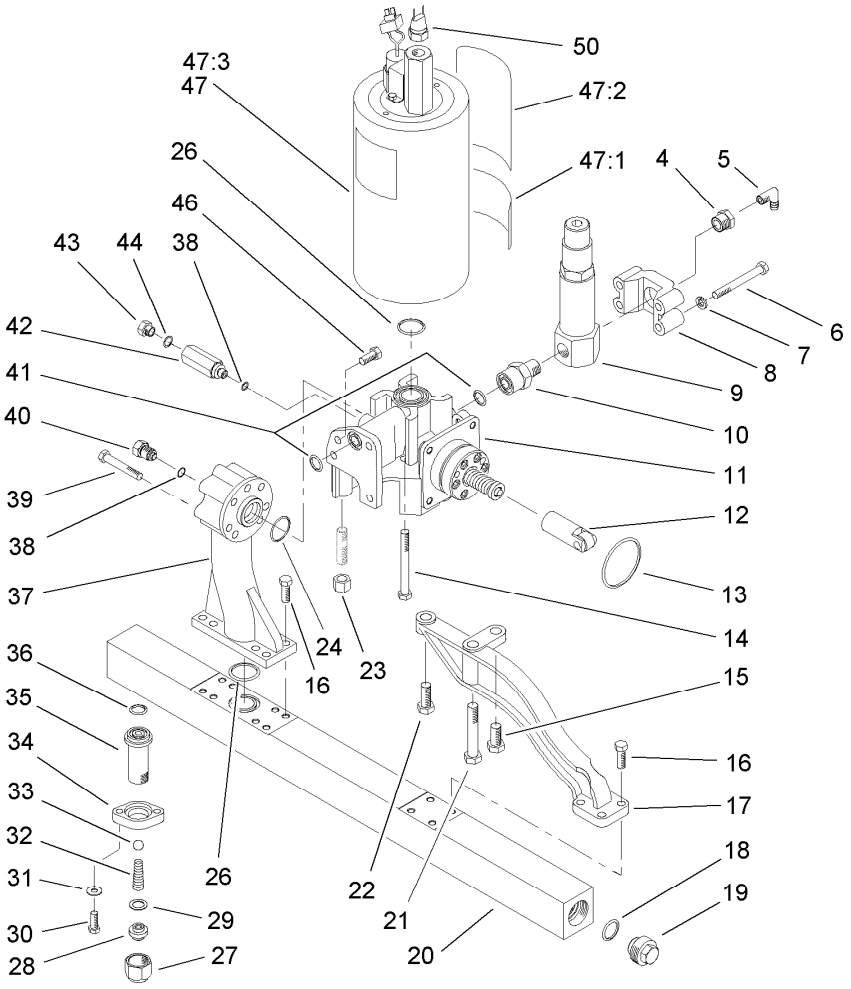
Ref.	*Part Number*	*Qty.*	*Description*
1	86-9110	1	Head-Filter
2	86-9120	1	Trapper-Sediment
3	86-9130	1	Valve-Flush
4	86-9140	1	Screen-Mesh, 100
5	86-9150	1	O-Ring Kit



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	109842	4	Bearing-Ball
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

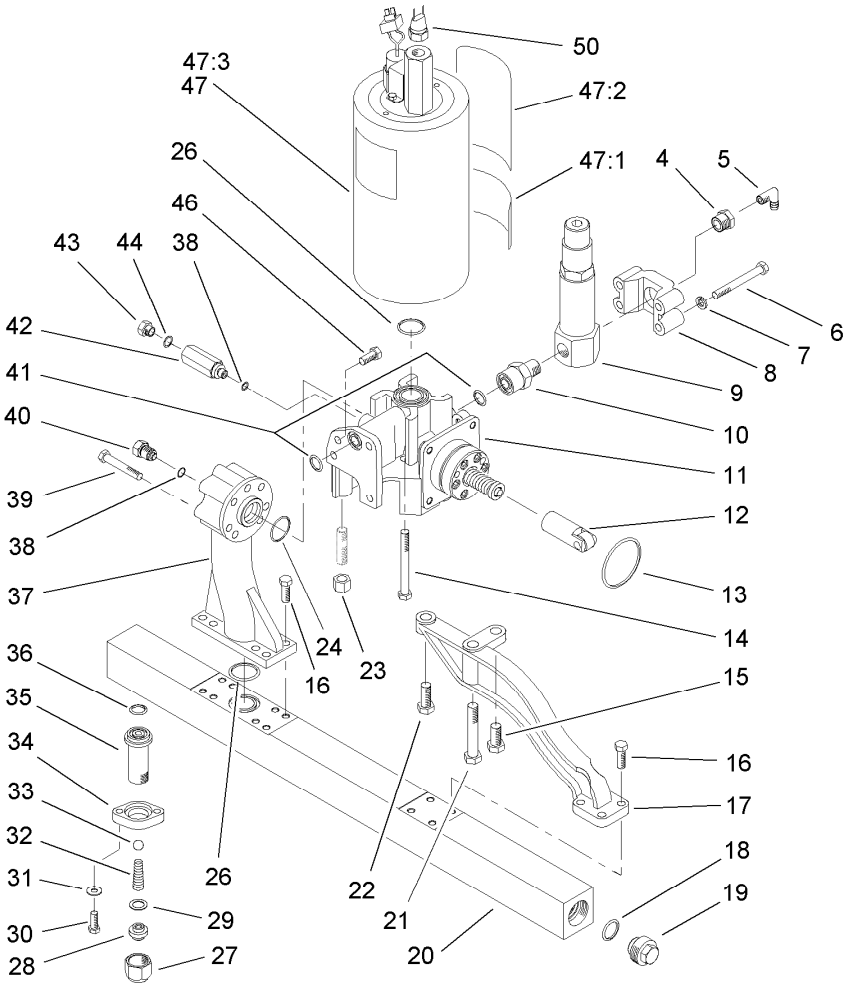


Water Manifold and Valve Assembly

Ref.	Part Number	Qty.	Description
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
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

● Not serviced separately

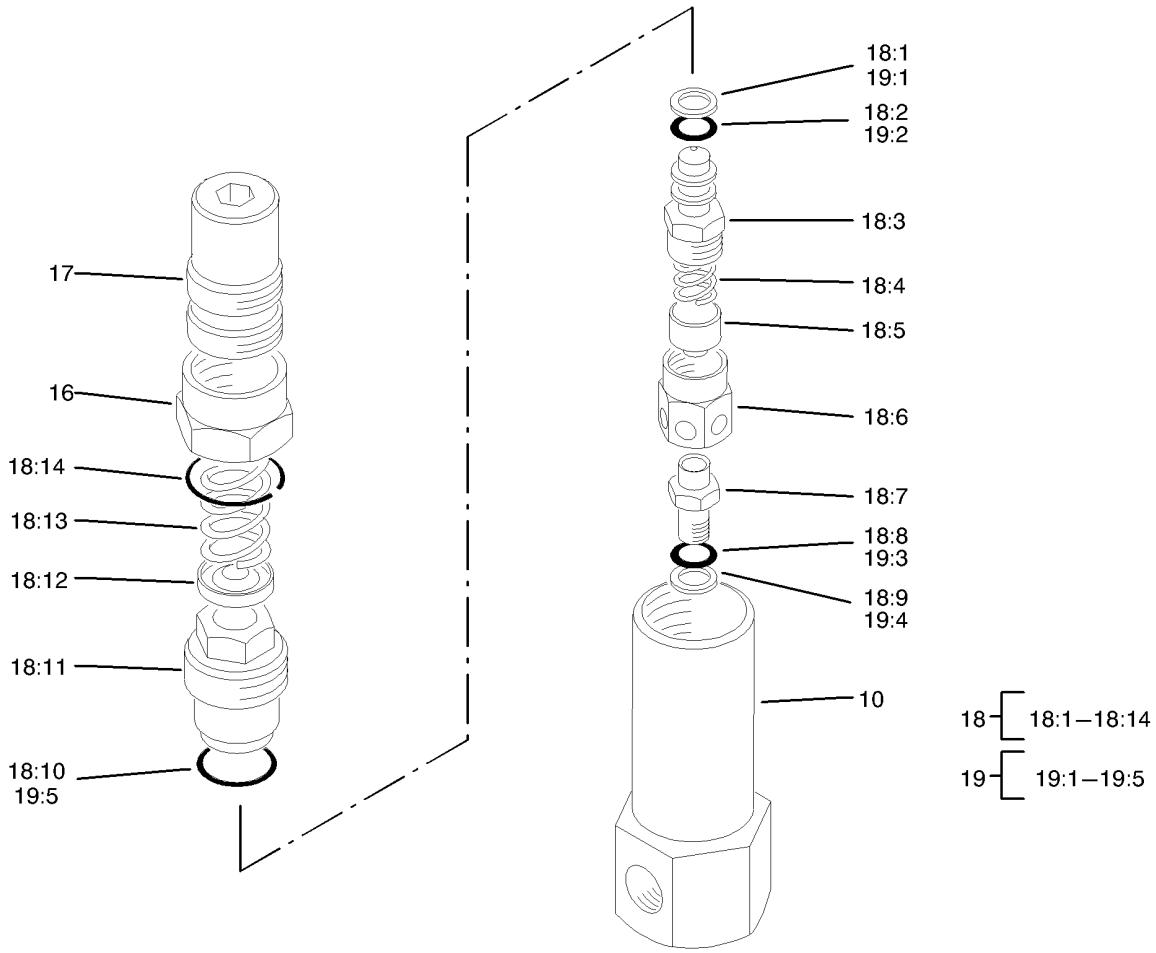
Ref.	Part Number	Qty.	Description
31	3256-2	22	Washer-Flat
32	80-9710	11	Spring-Compression, TAP
33	255-12	11	Ball-Steel, Stainless
34	80-9800	11	Flange-Nozzle
35	86-8110	11	Nozzle Extension ASM
36	80-5786	11	O-Ring
37	80-8210	1	Feeder-Manifold
38	80-5793	1	O-Ring
39	323-13	7	Screw-HH
40	80-8230	1	Plug-Feeder
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	108-1272	1	Accumulator
47:1	80-8880	2	Decal-Warning
47:1	83-5440	1	Decal-Danger (Swedish)
47:1	83-5590	1	Decal-Danger (Italian)
47:1	83-5800	1	Decal-Danger (German)
47:1	83-5910	1	Decal-Danger (Spanish)
47:1	83-6020	1	Decal-Danger (Japan)
47:1	83-6110	1	Decal-Warning (Japan)
47:1	83-6170	1	Decal-Danger (French)
47:1	93-9383	1	Decal-Danger (Danish)
47:1	93-9384	1	Decal-Danger (Dutch)



Water Manifold and Valve Assembly (continued)

Ref.	Part Number	Qty.	Description
47:1	93-9385	1	Decal-Danger (Finnish)
47:1	93-9386	1	Decal-Danger (Norwegian)
47:1	93-9387	1	Decal-Danger (Portuguese)
47:2	93-9361	1	Decal-Warning (Europe)
47:2	108-1316	2	Decal-Danger
47:3		1	Accumulator ●
50	72-4320	1	Switch-Ball

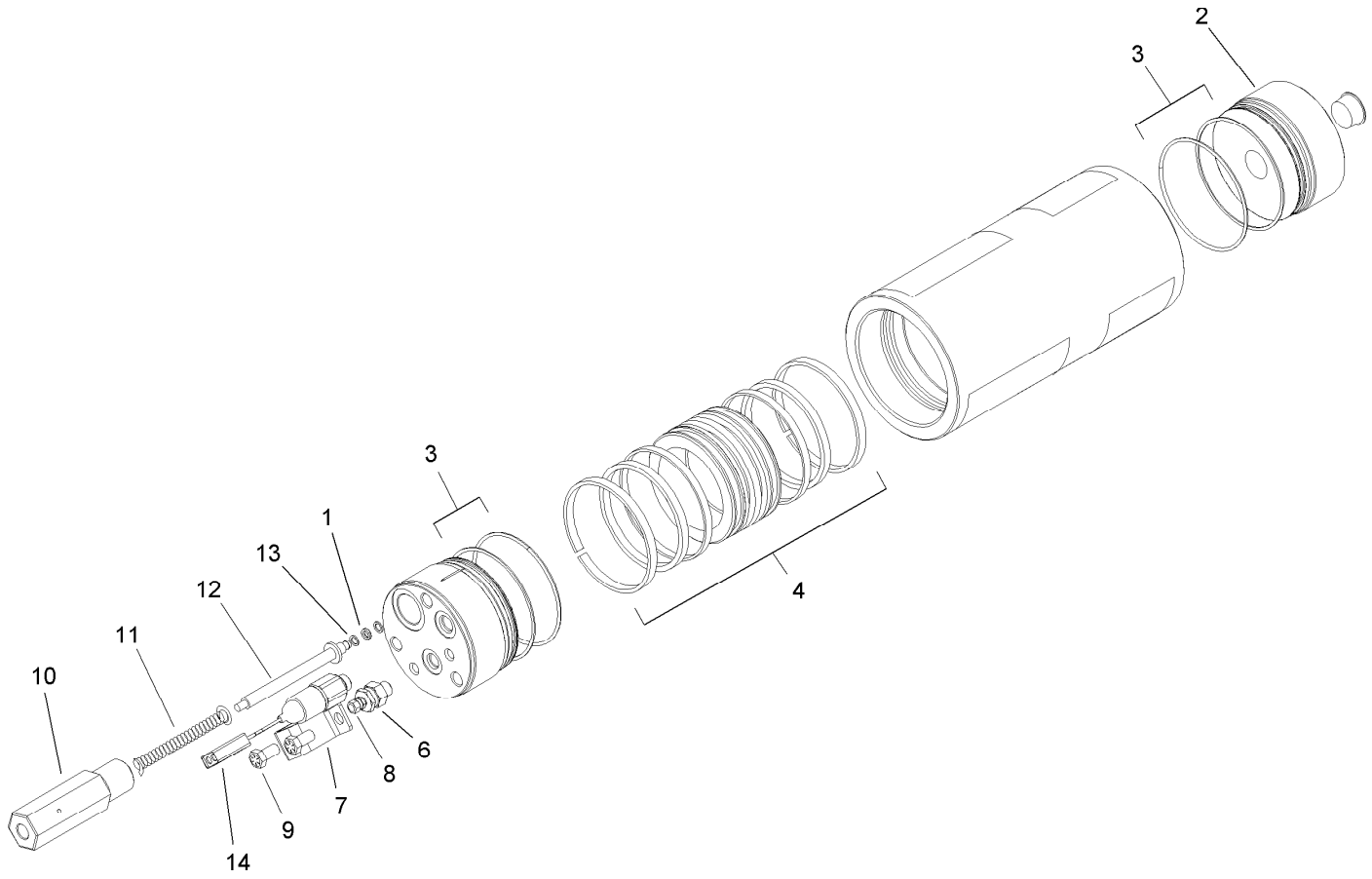
● Not serviced separately



Relief Valve Assembly No. 80-7070

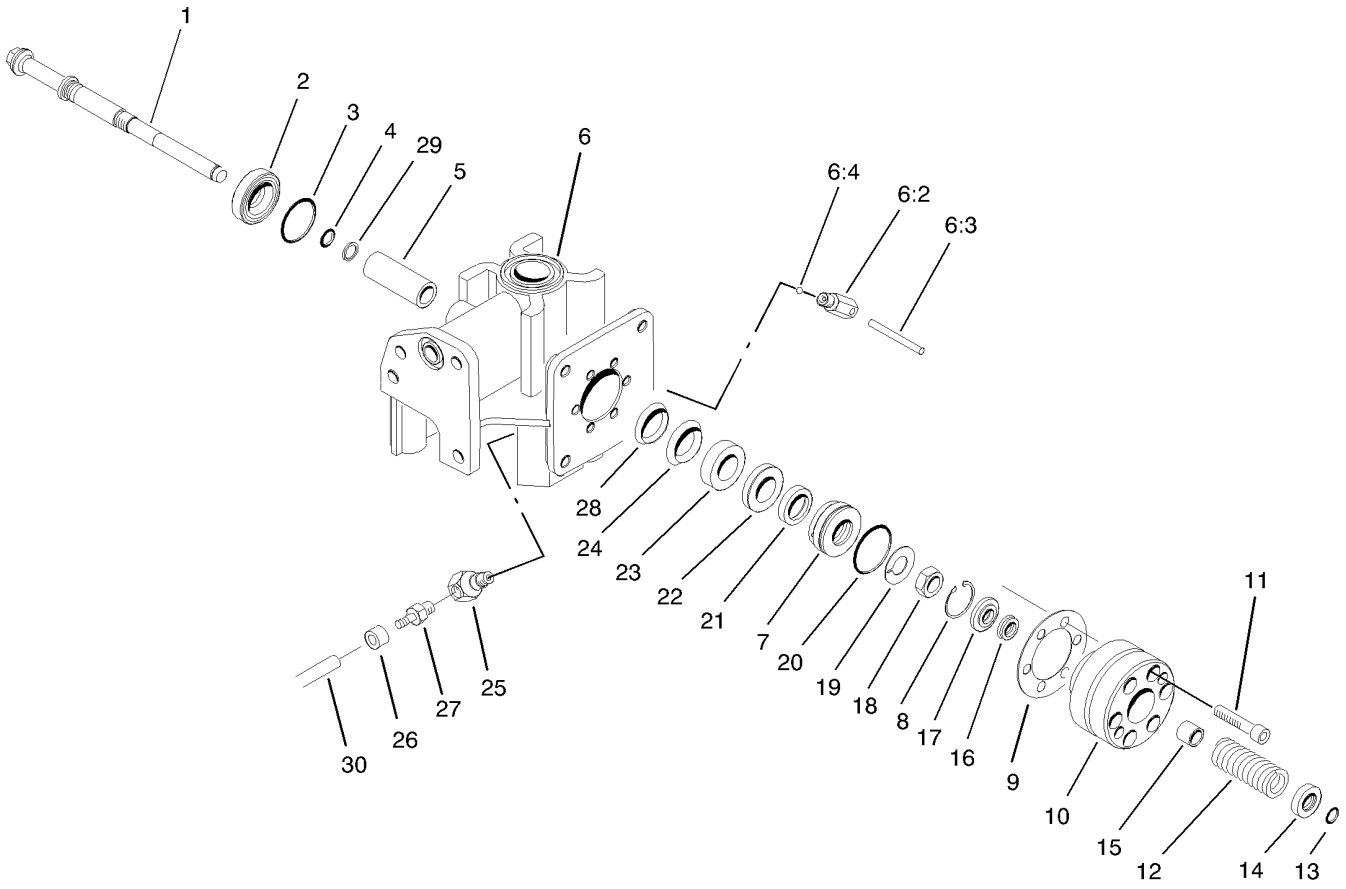
Ref.	*Part Number*	*Qty.*	*Description*
10		1	Body ●
16		1	Nut ●
17		1	Guide-Spring ●
18	86-8550	1	Relief Valve Kit
18:1		1	Ring-Backup ●
18:2		1	Seal-Dust ●
18:3		1	Stem ●
18:4		1	Spring-Compression ●
18:5		1	Poppet ●
18:6		1	Retainer ●
18:7		1	Seat ●
18:8		1	Seal-Dust ●
18:9		1	Ring-Backup ●
18:10		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



Accumulator Assembly No. 108-1272

Ref.	*Part Number*	*Qty.*	*Description*
1	92-9535	1	O-Ring
2	108-1321	1	Cap-End, Water Port
3	80-8990	1	Seal Kit
4	80-8980	1	Piston ASM
6	80-9000	1	Gas Valve ASM (With O-Ring)
7	80-9020	1	Protector-Valve
8	80-8970	1	Cap-Valve
9	323-4	2	Screw-HH
10	92-9531	1	Retainer-Plunger
11	92-9532	1	Spring-Compression
12	108-1322	1	Plunger-Switch
13	92-9536	2	Ring-Back Up
14	108-1286	1	Switch-Pressure, 5500 Psi

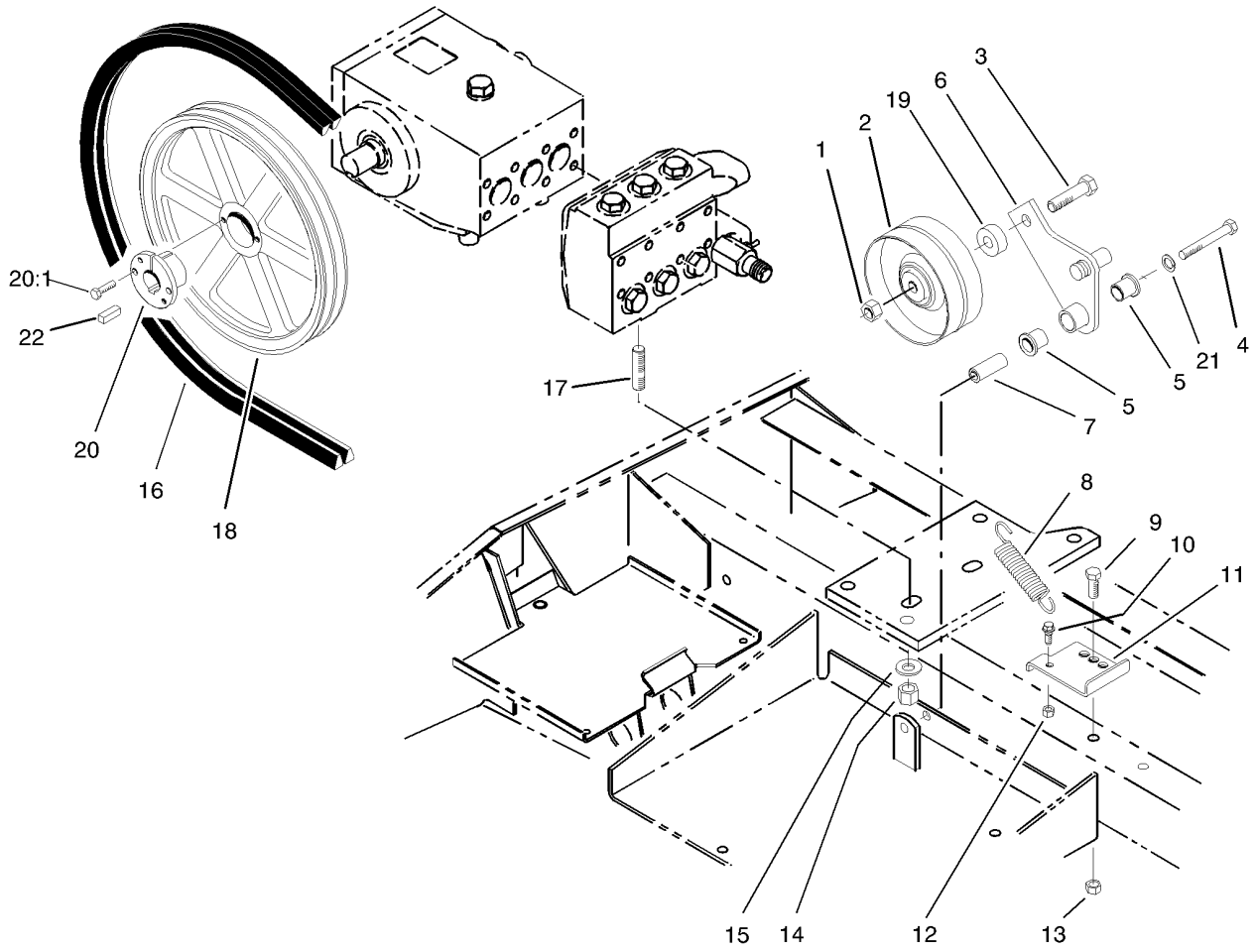


Water Valve Assembly

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

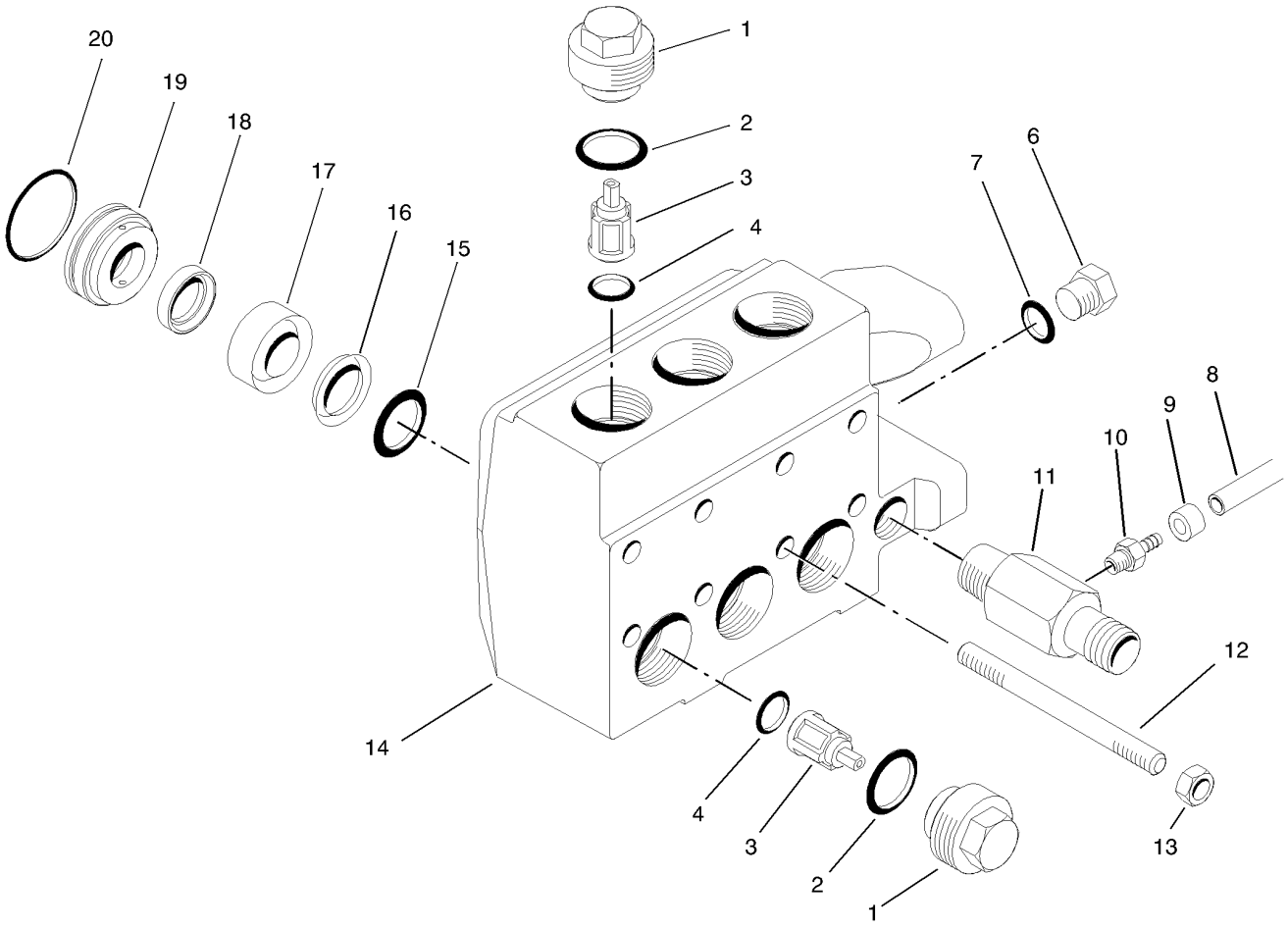
Ref.	Part Number	Qty.	Description
15	256-315	1	Bushing
16	253-168	1	Seal-U Cup
17	80-9200	1	Seal-Backup
18	3220-23	1	Nut-Hex, Jam
19	86-8320	1	Washer-Slotted
20	237-178	1	O-Ring
21	80-5760	1	Seal-U Cup
22	80-9390	1	Guide-Valve
23	80-5751	1	Head-Ring, Inner
24	80-5740	1	Seal-Packing, Vee
25	80-9410	1	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



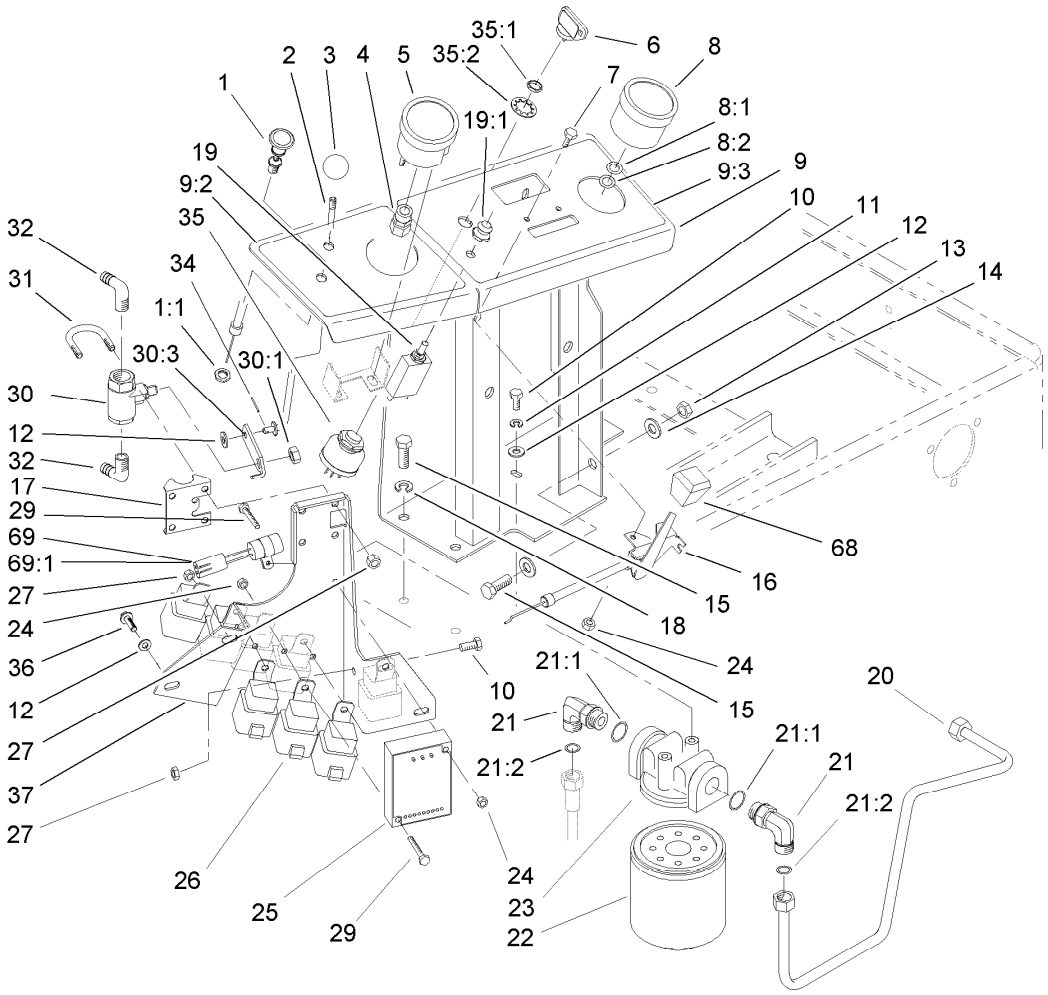
Water Pump Installation Assembly

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

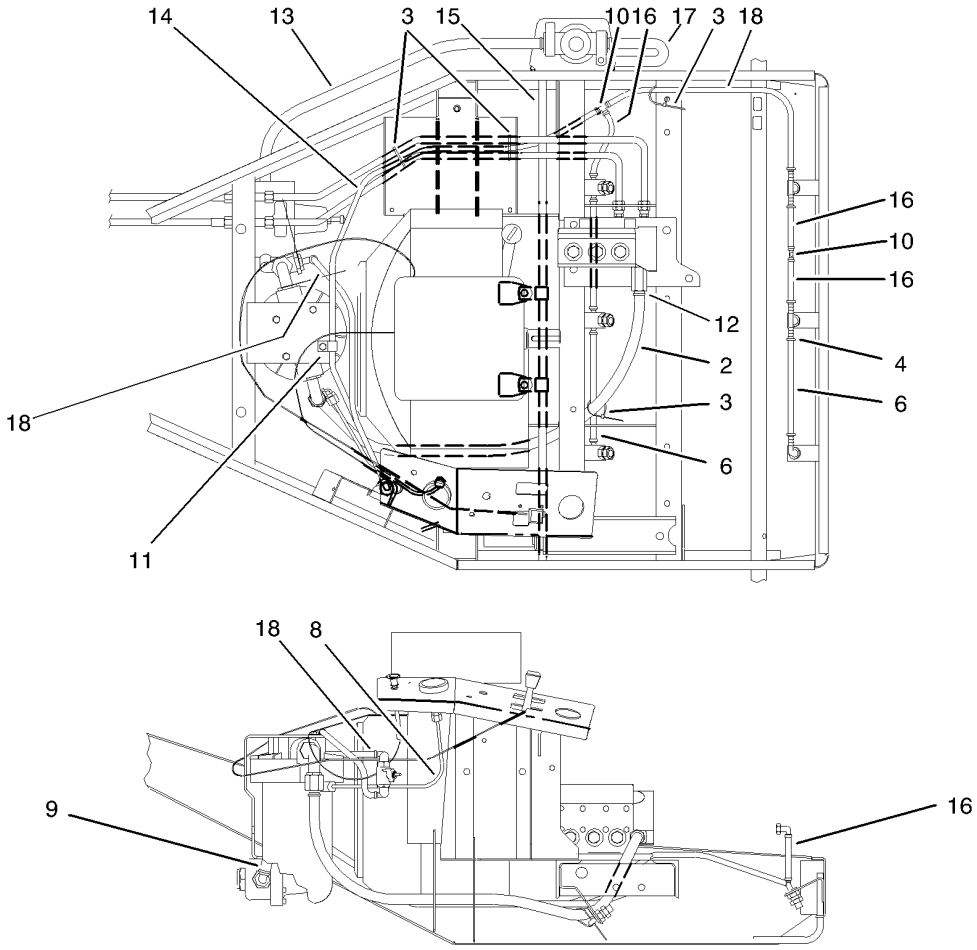


Control Panel Assembly

Ref.	Part Number	Qty.	Description
1	108-1274	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	108-1288	1	Control Panel ASM
9:2	108-1263	1	Decal-Control
9:3	108-1264	1	Decal-Control, Engine
10	321-3	5	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	108-1273	1	Control-Throttle
17	80-8890	1	Mount-Valve
18	3253-21	2	Washer-Lock
19	108-1296	1	Breaker-Circuit, 15A
19:1	80-7660	1	Seal-Rest Button
20	80-9830	1	Drain Tube ASM

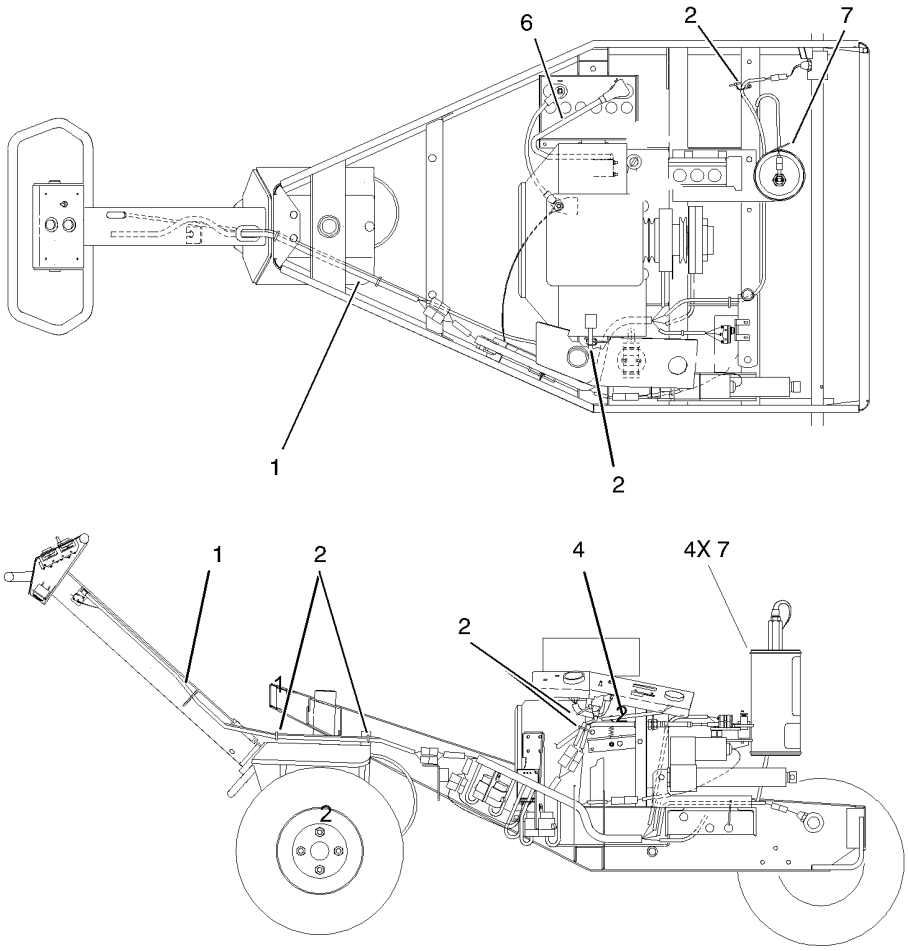
Ref.	Part Number	Qty.	Description
21	340-98	2	Fitting-HYD, 90 DEG
21:1	237-79	1	O-Ring
21:2	237-30	1	O-Ring
22	67-8110	1	Cartridge-Filter, Oil
23	86-9080	1	Head-Filter
24	3296-2	4	Nut-Lock, NI
25	86-9060	1	Control-Electric
26	99-7430	8	Relay
27	3296-42	7	Nut-Lock, NI
29	32105-5	2	Screw
30	14-5259	1	Valve 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	83-0020	1	Switch-Ignition
35:1	218-461	1	Nut-HH
35:2	3254-5	1	Washer-Tooth, Internal
36	32104-95	4	Screw-HWH
37	108-1303-01	1	Bracket-Relay
51	80-9510	1	Wrench-Spanner ●
68	66-0120	1	Knob
69	83-2280	1	Timer-Delay
69:1	98-4604	1	R-Clamp

● Not illustrated



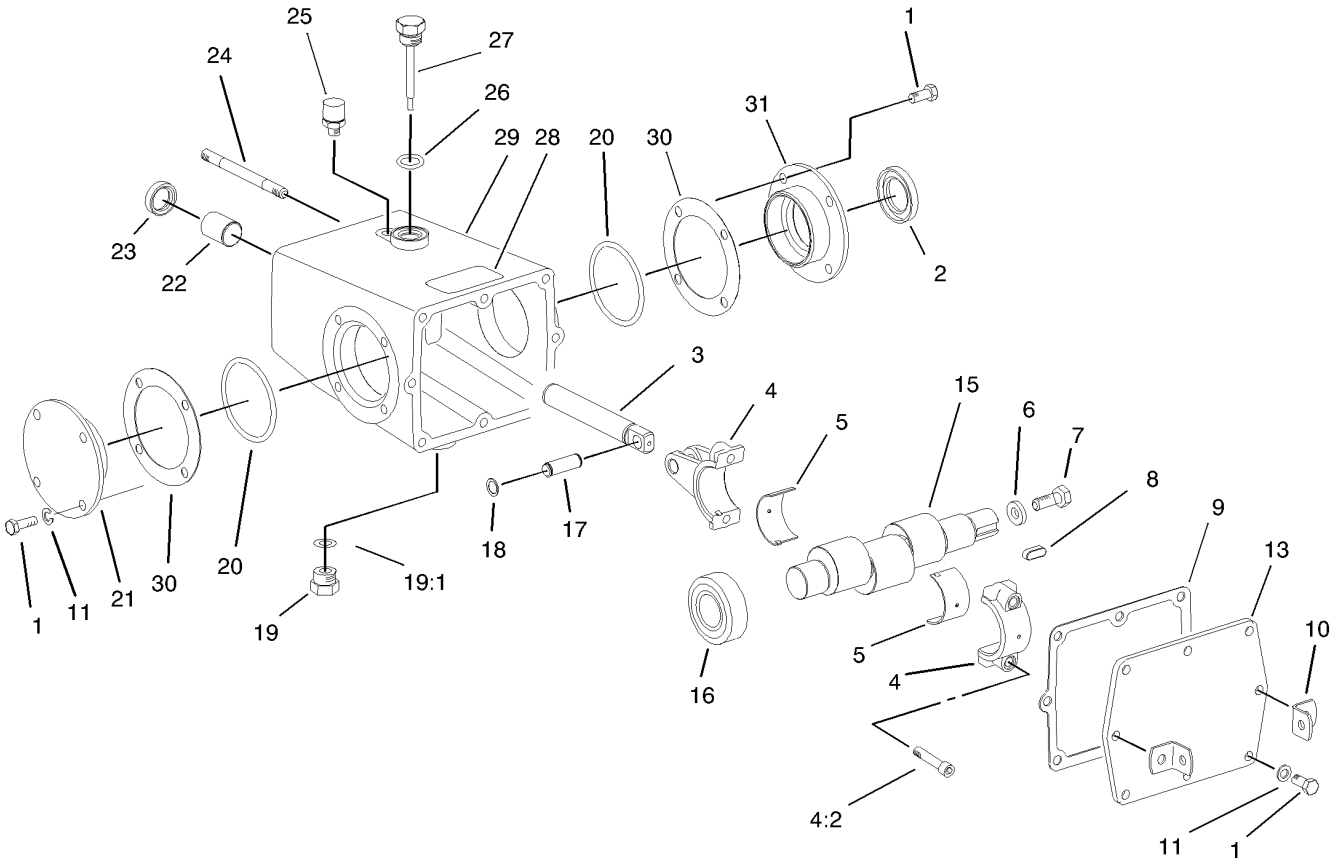
Water System Hose Routing Assembly

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	108-1299	1	Hose
16	80-7341	4	Hose ASM
17	80-6515	1	Hose
18	80-7346	2	Hose ASM



Wire Routing Assembly

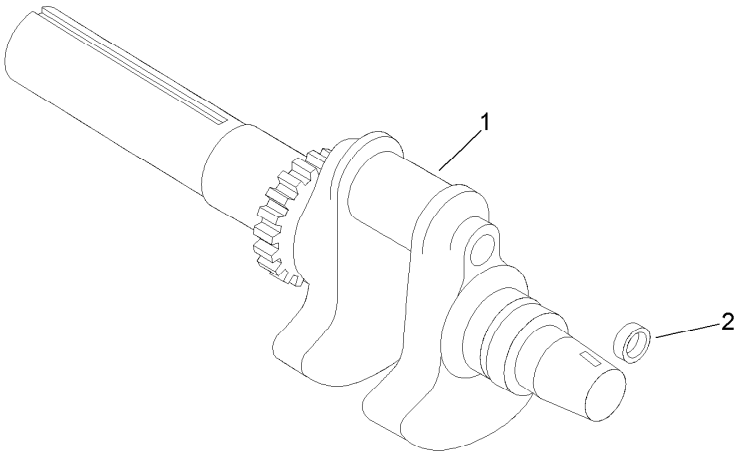
Ref.	*Part Number*	*Qty.*	*Description*
1	108-1291	1	Harness-Wire, Tiller
2	3290-378	5	Tie-Cable
4	108-1276	1	Harness-Wire, Control Panel
6	108-1290	1	Cable-Battery, Positive
7	3290-379	2	Tie-Cable



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	106-9683	3	Split Bearing Set
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

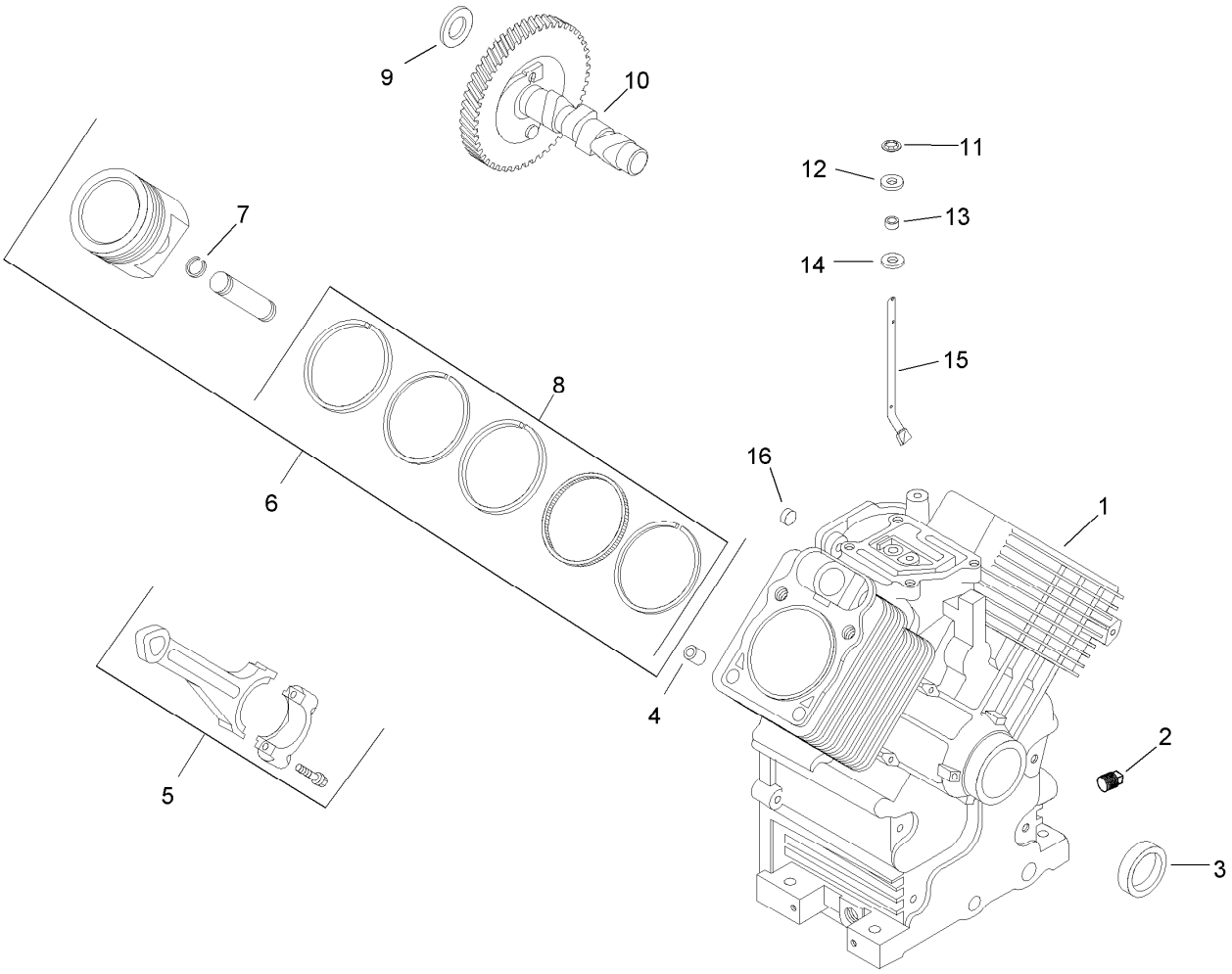
Ref.	Part Number	Qty.	Description
19	353-550	1	Plug-HYD, HH
19:1	237-79	1	O-Ring
20	237-25	2	O Ring
21	86-8570	1	Flange-Crankcase
22	86-8750	3	Guide-Plunger
23	86-8770	3	Seal
24	86-8830	8	Stud-Head
25	80-7020	1	Vent-Filter
26	237-79	1	O-Ring
27	86-8860	1	Dipstick
28	80-9450	1	Decal-Information
29	86-8810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



Crankshaft Assembly
Kohler CH740-0053

Ref.	*Part Number*	*Qty.*	*Description*
1	24 014 120-S	1	Crankshaft (Incl. Ref. #2) ●
2	52 139 09-S	1	Plug-Cup ●

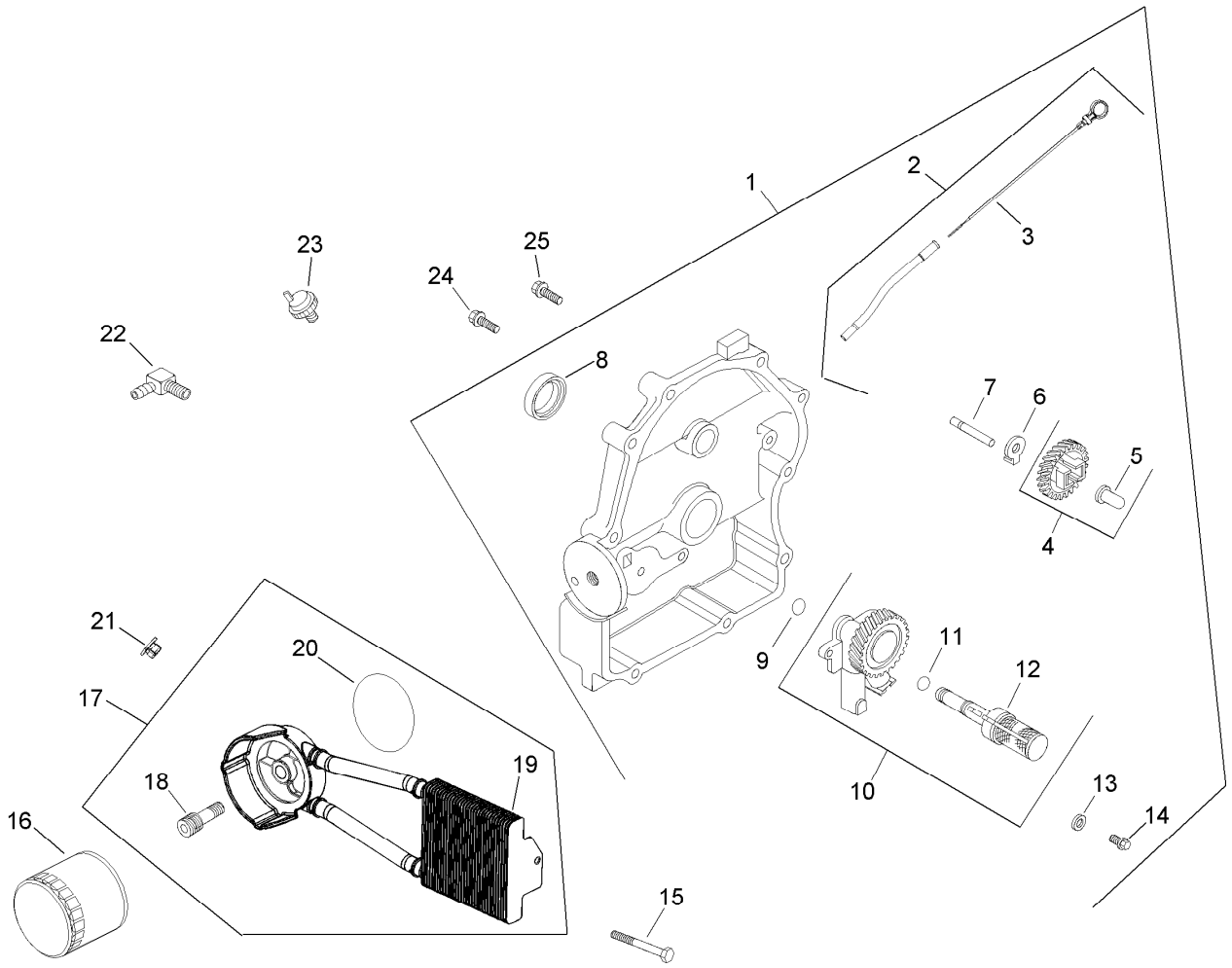
● Obtain parts from www.kohlerplus.com



Crankcase Assembly
Kohler CH740-0053

Ref.	Part Number	Qty.	Description
1		1	Crankcase (Use: Miniblock 24 782 36) ▲■
2	25 139 57-S	1	Plug-Pipe, Sq HD (3/8) ▲
3	24 032 01-S	1	Seal-Oil ▲
4	24 380 13-S	6	Pin-Locating ▲
5	24 067 13-S	2	Rod-Connecting (Standard) ▲
5	24 067 14-S	2	Rod-Connecting (.25) ▲
6	24 874 08-S	2	Piston And Ring Set (STD) ▲
6	24 874 16-S	2	Piston And Ring Set (.08) ▲
6	24 874 20-S	2	Piston And Ring Set (.25) ▲
6	24 874 21-S	2	Piston And Ring Set (.50) ▲
7	24 018 01-S	4	Retainer-Pin, Piston ▲
8	24 108 04-S	2	Set-Ring (STD And .08) ▲
8	24 108 06-S	2	Ring Set (.25) ▲
8	24 108 07-S	2	Ring Set (.50) ▲
9	12 422 09-S	1	Shim-Camshaft (Red .032) ▲
9	12 422 13-S	1	Shim-Camshaft (Black .04) ▲
9	12 422 07-S	1	Shim-Camshaft (White .028) ▲
9	12 422 08-S	1	Shim-Camshaft (Blue .03) ▲
9	12 422 10-S	1	Shim-Camshaft (Yellow .034) ▲
9	12 422 11-S	1	Shim-Camshaft (Green .036) ▲
9	12 422 12-S	1	Shim-Camshaft (Gray .038) ▲
10	24 012 18-S	1	Camshaft Kit ▲
11	24 018 09-S	1	Retainer-Ring ▲
12	M-931010-S	1	Washer-Flat (9Mm) ▲
13	28 032 09-S	1	Seal-Cross Shaft, Governor ▲
14	24 468 15-S	1	Washer-Flat (11/32) ▲
15	24 144 38-S	1	Shaft-Cross, Governor ▲
16	52 139 09-S	1	Plug-Cup ▲
	25 462 13-S	1	Valve-Drain, Oil ▲●

● Not illustrated
▲ Obtain parts from www.kohlerplus.com
■ Not serviced separately

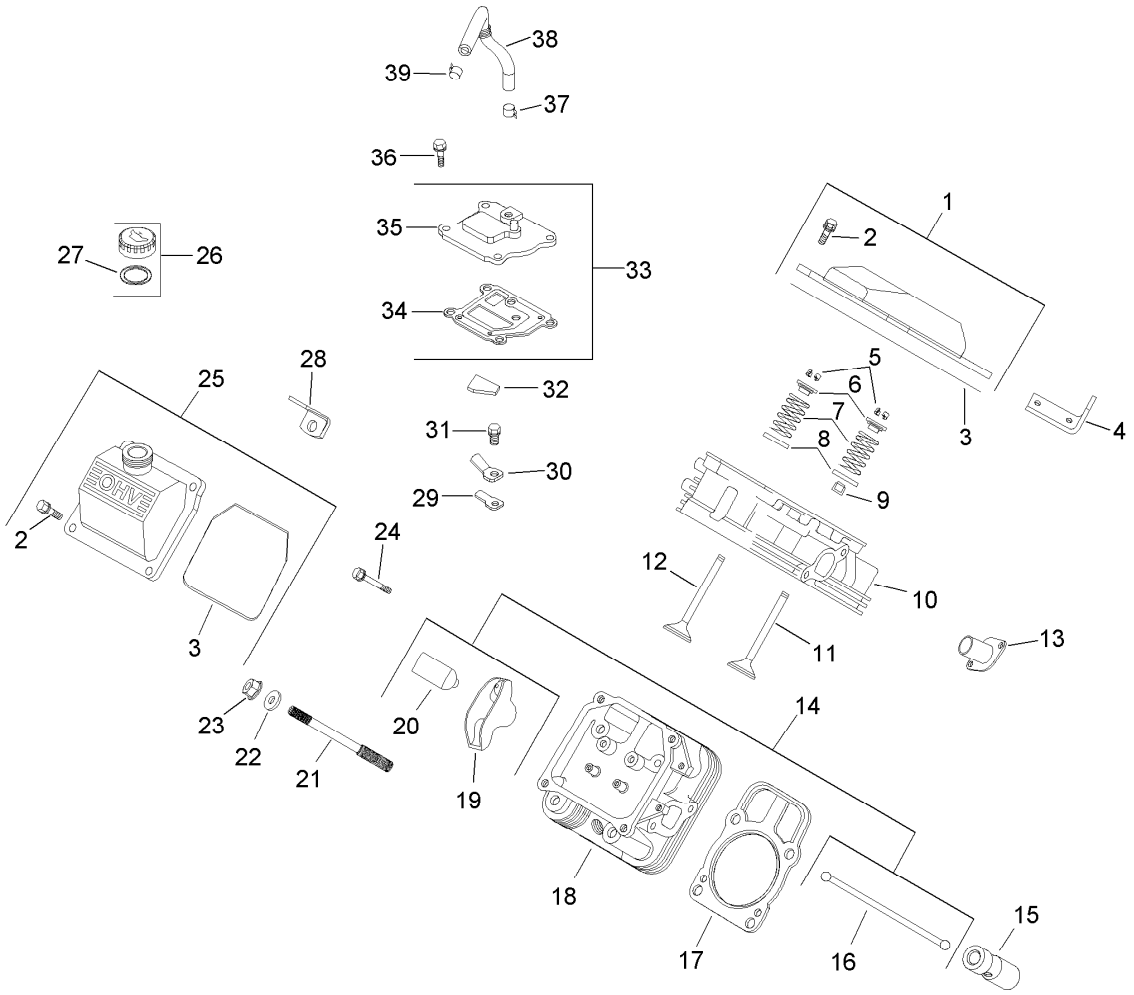


Oil Pan and Lubrication Assembly
Kohler CH740-0053

Ref.	Part Number	Qty.	Description
1	24 009 157-S	1	Closure Plate ASM (Incl. Ref. #2-14) ■
2	24 755 121-S	1	Dipstick Tube ASM (Incl. Ref. #3) ■
3	24 038 10-S	1	Dipstick ■
4	24 043 12-S	1	Governor Gear Kit (Incl. Ref. #5) ■
5	12 380 01-S	1	Pin-Regulating, Governor ■
6	24 448 02-S	1	Tab-Locking ■
7	12 144 02-S	1	Shaft-Gear, Governor ■
8	52 032 08-S	1	Seal-Oil (PTO End) ■
9	24 153 08-S	1	O-Ring ■
10	24 393 37-S	1	Oil Pump ASM (Incl. Ref. #11, 12) ■
11	24 153 01-S	1	O-Ring ■
12	24 381 04-S	1	Tube-Pick Up, Oil ■
13	M-631005-S	2	Washer-Flat (6 Mm) ■
14	M-645025-S	1	Screw-Flange, Thread Forming (M6X1.0X25) ■
15	24 086 12-S	2	Screw-TAP (M6X1.7X18) ■
16	52 050 02-S	1	Filter-Oil ■
17	54 755 21-S	1	Oil Cooler Kit (Incl. Ref. #18-21) ■
18	28 136 01-S	1	Nipple-Filter, Oil ■
19	24 594 32-S	1	Cooler-Oil (Incl. Ref. #20) ■
20	24 153 21-S	1	O-Ring ■
21	24 100 01-S	2	Nut-Plastic ■
22	25 155 02-S	1	Connector-Hose, 90 Deg ■
23	25 099 24-S	1	Switch-Pressure ■
24	24 086 16-S	9	Screw-HF (M8X1.25X45) ■
25	24 086 17-S	1	Screw-Flange (M8X1.25X45) ■
	24 113 25-S	1	Decal-Cooler, Oil ■ ●
	25 113 05-S	1	Decal-Sentry, Oil ■ ●

● Not illustrated

■ Obtain parts from www.kohlerplus.com

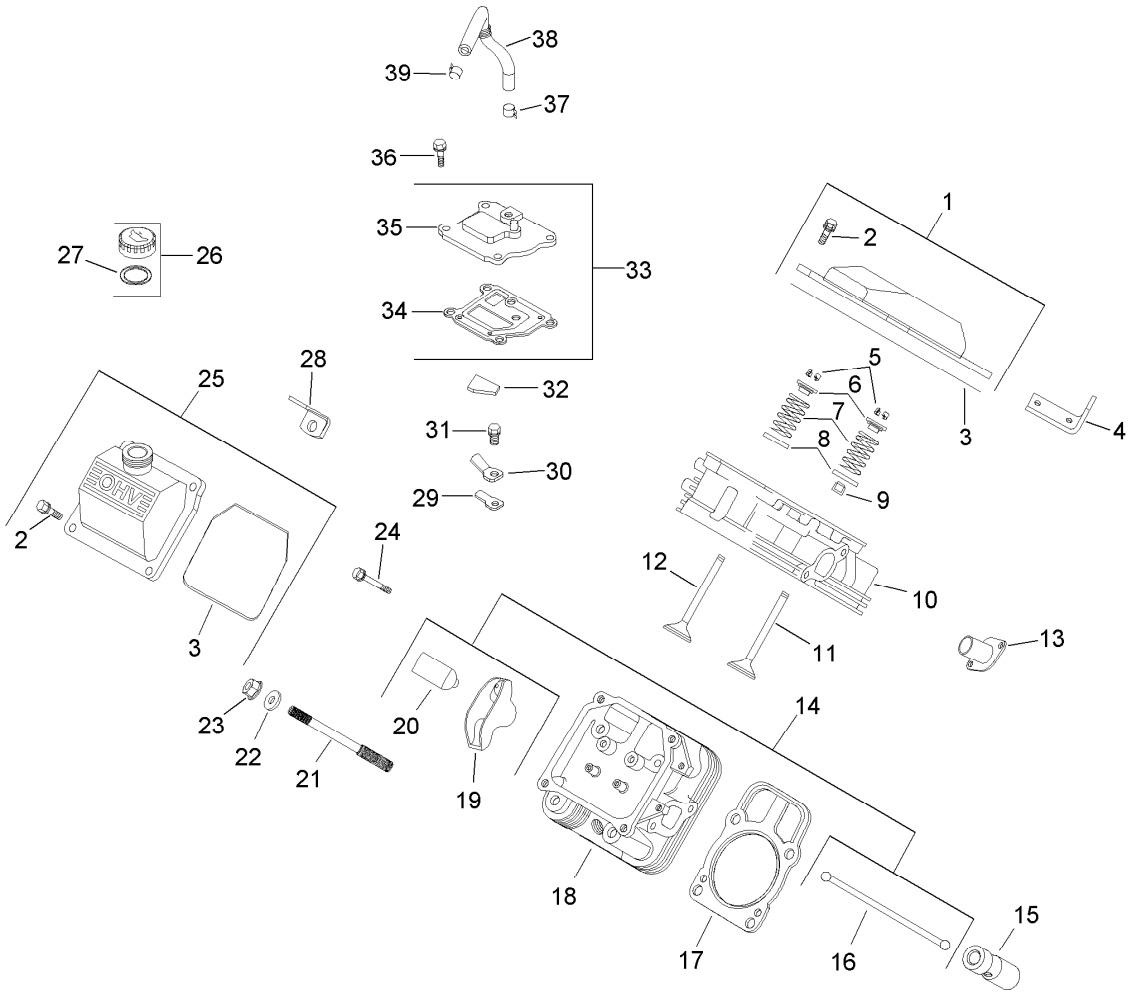


Head, Valve and Breather Assembly
Kohler CH740-0053

Ref.	Part Number	Qty.	Description
1	24 755 141-S	1	Plain Valve Cover Kit (Incl. Ref. #2, 3) ■
2	M-651030-S	4	Screw-Flange (M6X1.0X30) ■
3	24 153 28-S	1	O-Ring ■
4	24 445 01-S	1	Strap-Lifting ■
5	12 755 03-S	4	Retainer Kit ■
6	12 173 01-S	4	Cap-Spring, Valve ■
7	24 089 02-S	4	Spring-Valve ■
8	235011-S	4	Retainer-Spring ■
9	66 032 05-S	4	Seal-Stem, Valve ■
10	24 318 65-S	1	No. 1 Cylinder Head ASM ■
11	24 017 01-S	2	Valve-Intake (STD) ■
11	24 017 02-S	2	Valve-Intake (.25) ■
12	24 016 01-S	2	Valve-Exhaust (STD) ■
12	24 016 02-S	2	Valve-Exhaust (.25) ■
13	24 605 01-S	1	Liner-Port, Exhaust ■
14	24 755 66-S	1	Valve Train Kit (Incl. Ref. #16, 19, 20) ■
15	25 351 01-S	4	Lifter-Valve ■
16	24 411 05-S	4	Rod-Push ■
17	24 841 03-S	2	Cylinder Head Gasket Kit ■
18	24 318 66-S	1	No. 2 Cylinder Head ASM ■
19	25 186 01-S	4	Arm-Rocker ■
20	24 599 01-S	2	Pivot-Arm, Rocker ■
21	24 072 09-S	8	Stud (M8X1.25Xm10X1.5X105Mm) ■
22	24 468 16-S	8	Washer-Flat (8.6 Mm) ■
23	24 100 10-S	8	Nut-Flange (M8X1.25) ■
24	66 086 07-S	4	Screw ■
25	24 755 140-S	1	Oil Fill Valve Cover Kit (Incl. Ref. #2, 3) ■
26	24 755 46-S	1	Oil Fill Cap Kit (Incl. Ref. #27) ■
27	25 153 02-S	1	O-Ring ■
28	12 445 05-S	1	Strap-Lifting ■
29	24 402 03-S	1	Reed-Breather ■
30	66 018 04-S	1	Retainer-Reed ■
31	M-545010-S	1	Screw-HHFTF (M5X.80X10) ■
32	24 050 01-S	1	Filter-Breather ■
33	24 033 01-S	1	Breather Kit (Includes 34, 35) ■
34	24 041 51-S	1	Gasket-Breather ■
35	24 096 86-S	1	Cover-Breather ■
36	M-645020-S	4	Screw-HHFTF (M6X1.0X20) ■

● Not illustrated

■ Obtain parts from www.kohlerplus.com



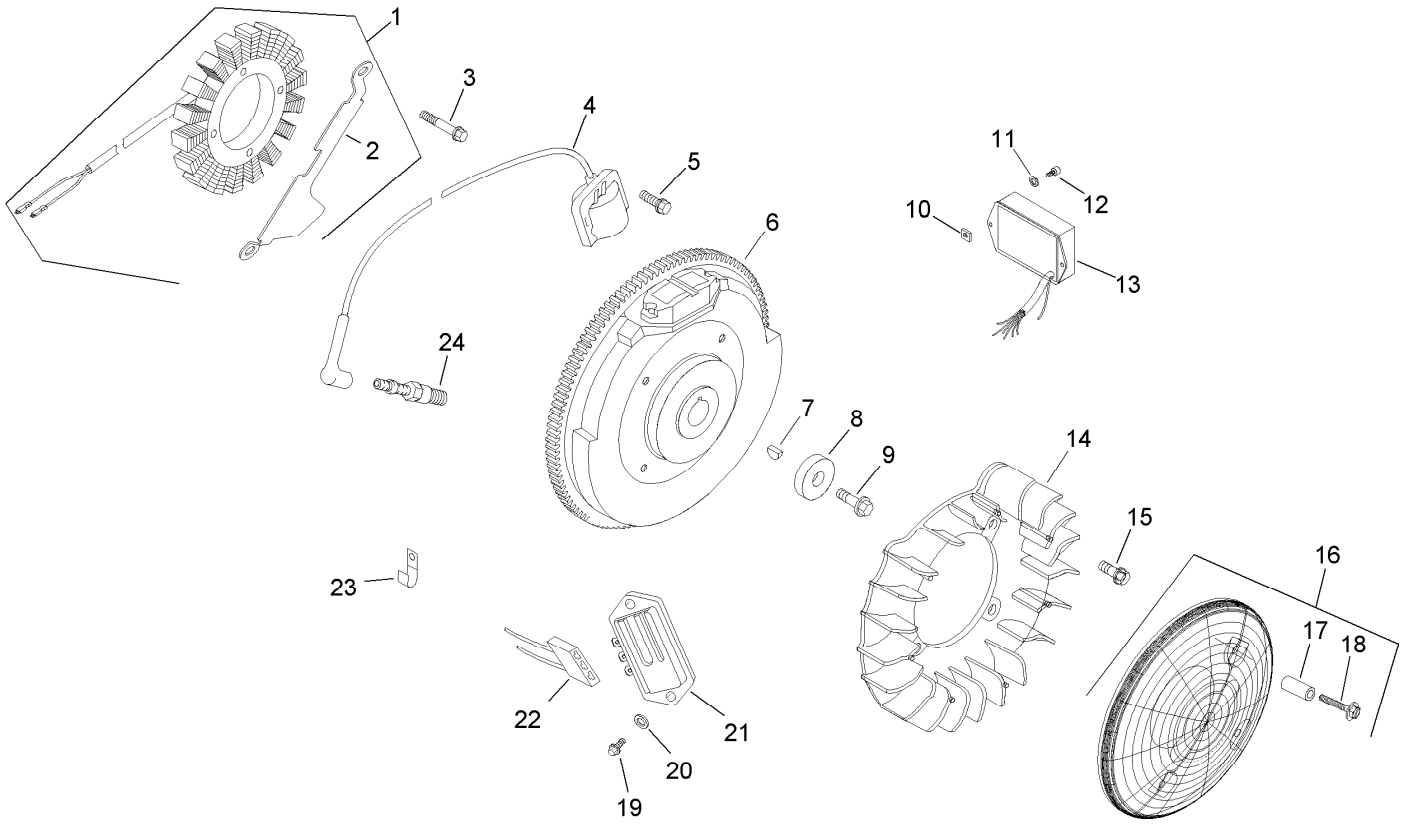
Head, Valve and Breather Assembly
Kohler CH740-0053 (continued)

Ref.	Part Number	Qty.	Description
37	25 237 14-S	1	Clamp-Hose, Spring (1/2) ■
38	24 326 69-S	1	Hose-Breather ■
39	25 237 08-S	1	Clamp-Hose ■

Ref.	Part Number	Qty.	Description
	25 452 01-S	1	Terminal ■ ●
	24 755 147-S	1	Cylinder Head Hardware Kit (Incl. Ref. #5-12, 16, 19, 20, 24) ■ ●

● Not illustrated

■ Obtain parts from www.kohlerplus.com



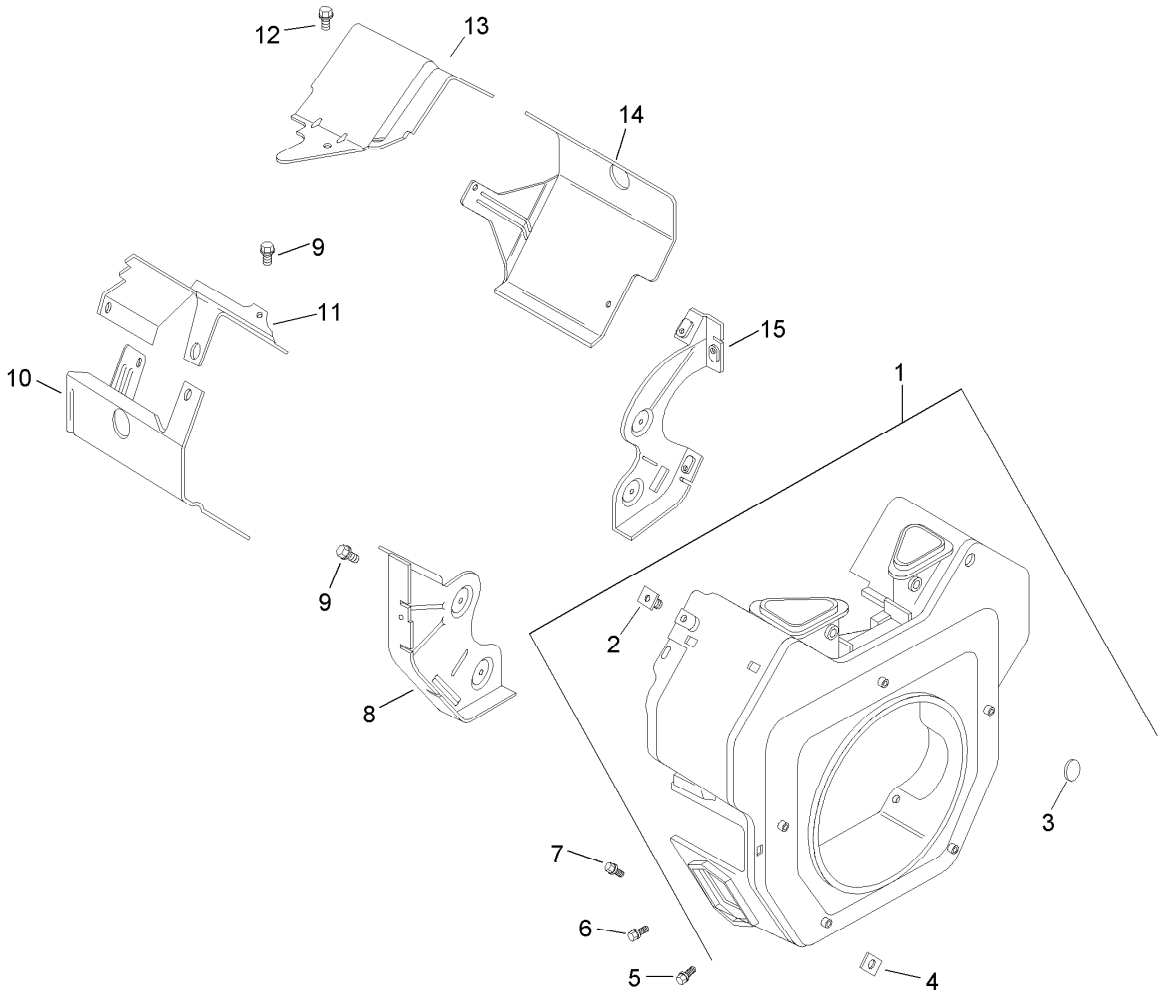
Ignition and Electrical Assembly
Kohler CH740-0053

Ref.	*Part Number*	*Qty.*	*Description*
1	54 755 09-S	1	15 Amp Stator Kit (Incl. Ref. #2) ■
2	24 126 139-S	1	Bracket-Wire, Stator ■
3	M-548025-S	2	Screw-Thread Forming (M5X0.8X25) ■
4	24 584 36-S	2	Module-Ignition ■
5	M-545020-S	4	Screw-Flange, Thread Forming (M5X.8X20) ■
6	24 025 15-S	1	Flywheel ■
7	X-42-15-S	1	Key (3/16 X 5/8) ■
8	12 468 03-S	1	Washer-Flat (13/32) ■
9	12 086 14-S	1	Screw-Flange (M10X1.5X45) ■
10	24 100 02-S	2	Nut-Plastic ■
11	X-25-63-S	2	Washer-Flat (1/4) ■
12	24 086 41-S	2	Screw-PPH (11-16X1/2) ■
13	24 584 31-S	1	Module-Advance, Spark ■
14	24 157 07-S	1	Fan ■
15	25 086 47-S	4	Bolt-Shoulder (M6X1.0X16) ■
16	54 755 15-S	1	Grass Screen Kit (Incl. Ref. #17-19) ■

Ref.	*Part Number*	*Qty.*	*Description*
17	24 112 04-S	4	Spacer ■
18	25 086 117-S	4	Screw-Flange, Sems (M4X.7X25) ■
19	24 086 18-S	1	Screw-Phl HD (11-16X.88) ■
20	X-25-92-S	2	Washer-Flat (.188) ■
21	25 403 05-S	1	Rectifier-Regulator (15 Amp) ■
22	236602-S	1	Connector (3 Contact) ■
23	47 154 01-S	1	Clip-Cable ■
24	12 132 12-S	2	Spark Plug ■
	25 113 24-S	1	Decal-Screen, Grass ■ ●
	24 176 44-S	1	Harness-Wiring ■ ●
	24 518 34-S	1	Lead ■ ●
	X-22-11-S	1	Washer-Lock, Internal Tooth (1/4) ■ ●
	12 454 03-S	1	Tie-Wire ■ ●
	24 126 137-S	1	Bracket-Strap, Ground ■ ●
	25 468 07-S	1	Washer-Flat (.22) ■ ●
	25 454 03-S	1	Tie-Wire ■ ●

● Not illustrated

■ Obtain parts from www.kohlerplus.com

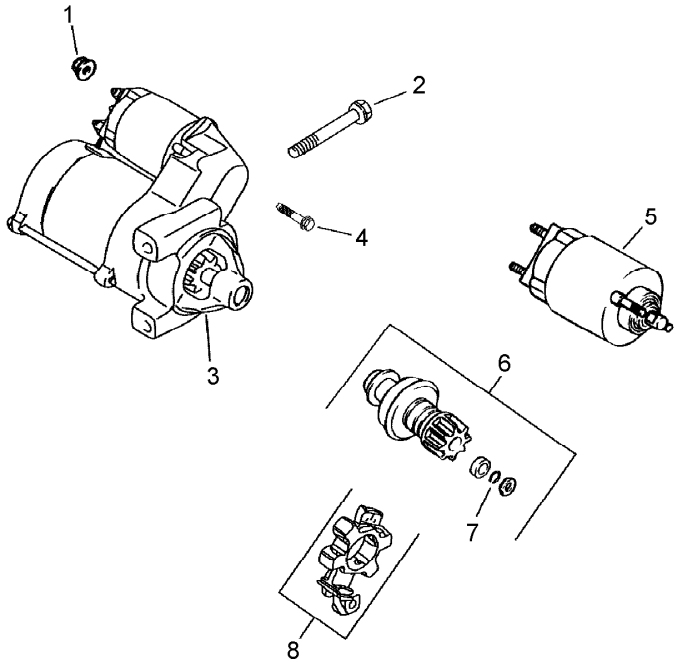


Blower Housing and Baffle Assembly
Kohler CH740-0053

Ref.	*Part Number*	*Qty.*	*Description*
1	24 027 178-S	1	Housing-Blower (Incl. Ref. #2-4) ■
2	24 100 02-S	2	Nut-Plastic ■
3	25 139 16-S	1	Plug-Button (9/16) ■
4	24 100 01-S	3	Nut-Plastic ■
5	M-551016-S	1	Screw-Hex Flange, Heavy (M5X0.8X16) ■
6	M-545016-S	2	Screw-Flange, Thread Forming (M5X0.8X16) ■
7	M-545020-S	4	Screw-Flange, Thread Forming (M5X.8X20) ■
8	24 146 19-S	1	Plate-Backing (No. 2 Side) ■
9	M-645016-S	6	Screw-Flange, Thread Forming (M6X1.0X16) ■
10	24 063 39-S	1	Baffle-Barrel, Cylinder (No. 2 Side) ■
11	24 063 70-S	1	Baffle-Valley (No. 2 Side) ■
12	M-545010-S	2	Screw-HHFTF (M5X.80X10) ■
13	24 063 59-S	1	Baffle-Valley (No. 1 Side) ■
14	24 063 58-S	1	Baffle-Barrel, Cylinder (No. 1 Side) ■
15	24 146 20-S	1	Plate-Backing (No. 1 Side) ■
	24 113 124-S	1	Decal-27 Hp ■ ●
	25 113 39-S	1	Decal-Laminate, Clear ■ ●

● Not illustrated

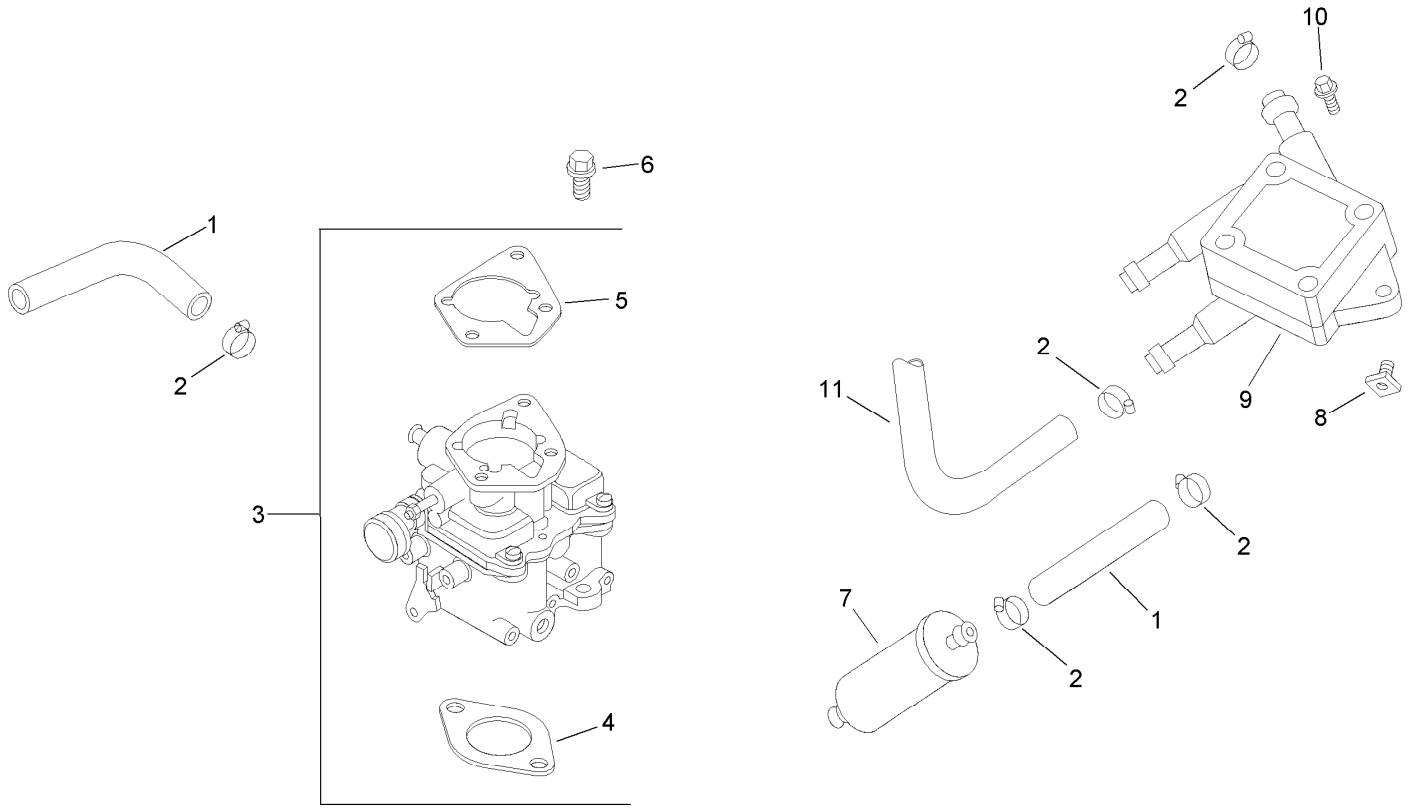
■ Obtain parts from www.kohlerplus.com



Starting System Assembly
Kohler CH740-0053

Ref.	*Part Number*	*Qty.*	*Description*
1	M-841080-S	1	Nut-Flange (M8X1.25) ●
2	M-851080-S	2	Screw-Flange (M8X1.25X80) ●
3	25 098 09-S	1	Starter ASM (Includes 4-8) ●
4	25 086 113-S	3	Screw-Torx Head, External ●
5	25 435 05-S	1	Solenoid Kit (Includes 4) ●
6	25 755 33-S	1	Pinion Drive Kit (Includes 7) ●
7	25 141 05-S	1	Ring-Retaining ●
8	25 221 01-S	1	Brush Holder Kit ●

● Obtain parts from www.kohlerplus.com

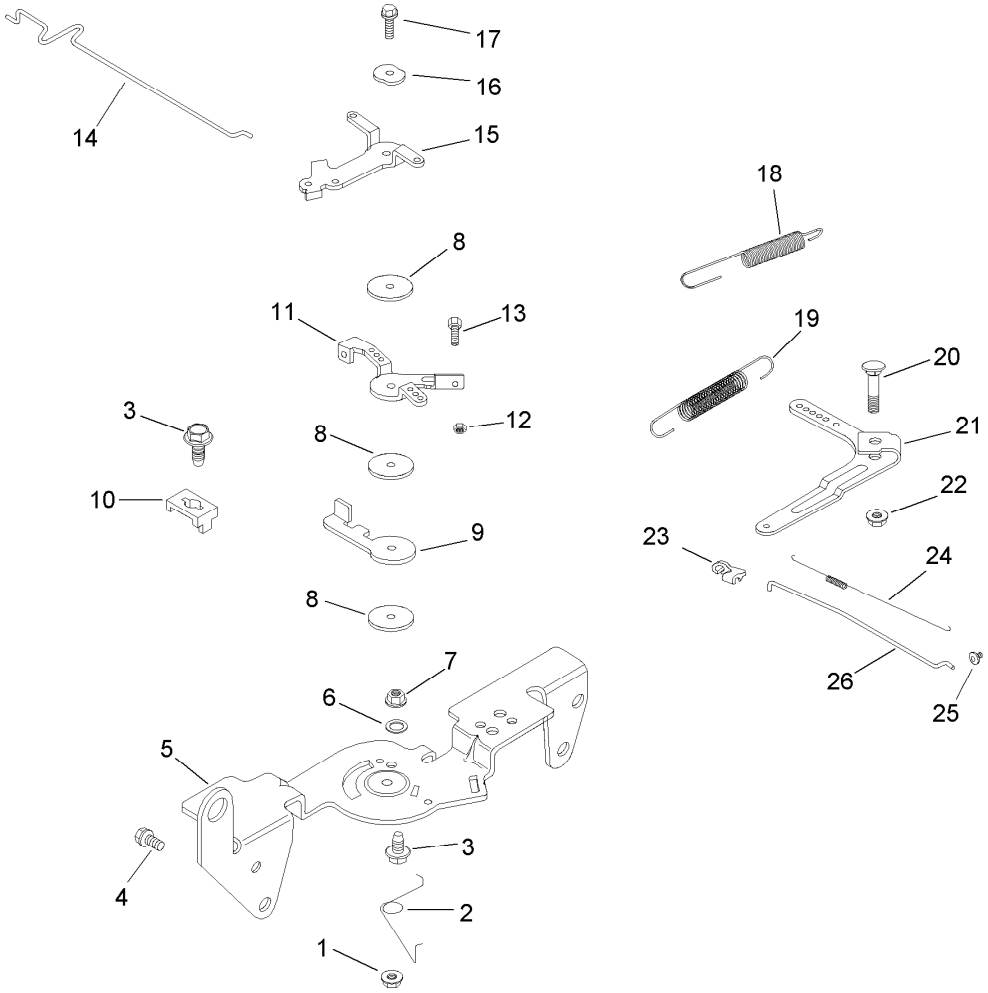


Fuel System Assembly
Kohler CH740-0053

Ref.	*Part Number*	*Qty.*	*Description*
1	24 353 02-S	2	Line-Fuel (15-3/4In) ■
2	25 237 14-S	6	Clamp-Hose, Spring (1/2) ■
3	24 853 93-S	1	Carburetor Kit (Incl. Ref. #4, 5) ■
4	24 041 17-S	1	Gasket-Carburetor ■
5	24 041 06-S	1	Gasket-Base, Air Cleaner ■
6	M-651030-S	2	Screw-Flange (M6X1.0X30) ■
7	24 050 09-S	1	Filter-Fuel ■
8	24 100 01-S	2	Nut-Plastic ■
9	24 393 16-S	1	Pump-Fuel ■
10	24 086 12-S	2	Screw-TAP (M6X1.7X18) ■
11	25 353 32-S	1	Line-Fuel (9-1/2In) ■
	24 755 137-S	1	High Altitude Kit (10,000+ Ft) ■ ●
	24 755 138-S	1	High Altitude Kit (5-10,000 Ft) ■ ●
	24 757 01-S	1	Solenoid Repair Kit ■ ●
	24 757 02-S	1	Float Repair Kit ■ ●
	24 757 03-S	1	Carburetor Repair Kit ■ ●
	24 757 07-S	1	Choke Repair Kit ■ ●
	24 757 08-S	1	Accelerator Pump Repair Kit ■ ●
	24 757 09-S	1	Accelerator Pump Seal Repair Kit ■ ●

● Not illustrated

■ Obtain parts from www.kohlerplus.com

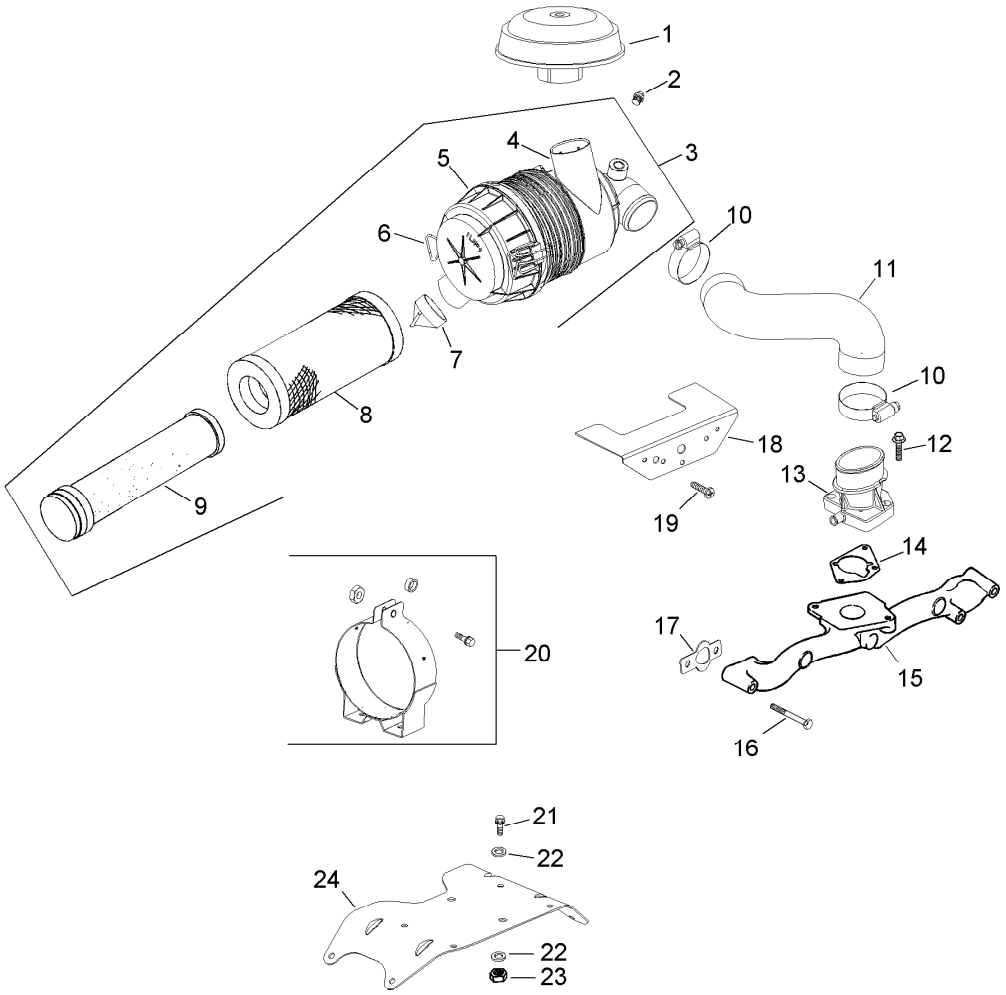


Engine Control Assembly
Kohler CH740-0053

Ref.	Part Number	Qty.	Description
1	M-547050-S	1	Nut-Lock (M5X.8) ●
2	24 089 03-S	1	Spring-Return, Choke ●
3	M-545016-S	3	Screw-Flange, Thread Forming (M5X0.8X16) ●
4	M-645016-S	4	Screw-Flange, Thread Forming (M6X1.0X16) ●
5	24 126 56-S	1	Bracket-Control ●
6	X-20-1-S	1	Washer-Lock (.25) ●
7	M-541050-S	1	Nut-HF (M5X0.8) ●
8	24 468 01-S	3	Washer-Flat (5.5Mm) ●
9	24 090 07-S	1	Lever-Actuator, Throttle ●
10	12 237 01-S	1	Clamp-Cable ●
11	24 090 03-S	1	Lever-Control, Throttle ●
12	M-446030-S	1	Nut (M4X0.7) ●
13	M-401030-S	1	Screw (M4X0.7X30) ●
14	24 079 21-S	1	Linkage-Choke ●

Ref.	Part Number	Qty.	Description
15	24 090 05-S	1	Lever-Choke ●
16	41 468 03-S	1	Washer-Spring (1/4) ●
17	M-545020-S	1	Screw-Flange, Thread Forming (M5X.8X20) ●
18	24 089 51-S	1	Spring-Limiter, Throttle ●
19	24 089 44-S	1	Spring-Governor ●
20	24 211 03-S	1	Bolt-Sq Neck, Rd HD (M6X1.0X25) ●
21	24 090 33-S	1	Lever-Governor ●
22	M-641060-S	1	Nut-Flange (M6X1.0) ●
23	25 158 11-S	1	Bushing-Retaining, Linkage ●
24	24 089 01-S	1	Spring-Linkage ●
25	25 158 08-S	1	Bushing-Linkage, Throttle ●
26	24 079 01-S	1	Linkage-Throttle ●

● Obtain parts from www.kohlerplus.com



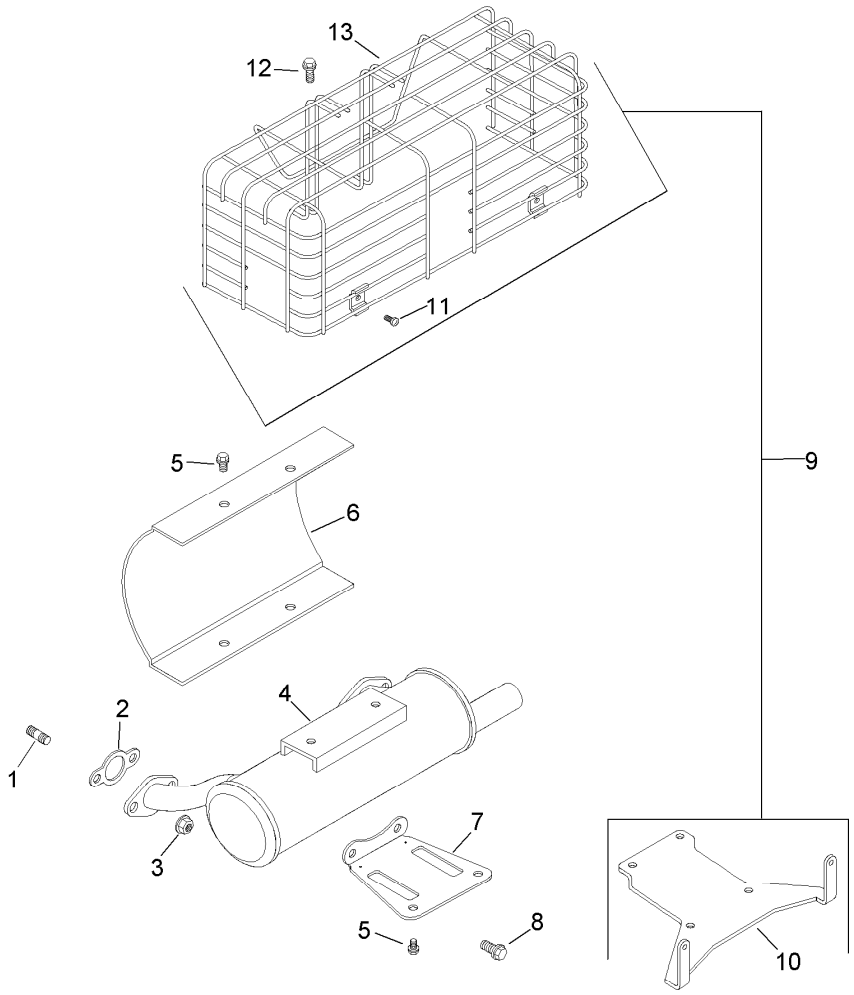
Air Intake and Filtration Assembly
Kohler CH740-0053

Ref.	Part Number	Qty.	Description
1	25 126 02-S	1	Air Cleaner Bracket ASM ■
2	25 139 20-S	1	Plug-Pipe ■
3	25 048 07-S	1	Air Cleaner ASM ■
4	25 081 01-S	1	Housing-Air Cleaner, Heavy Duty ■
5	25 096 06-S	1	Air Cleaner Cover ASM ■
6	25 154 02-S	2	Clip-Mounting ■
7	24 462 07-S	1	Valve-Ejector, Dust ■
8	25 083 01-S	1	Element-Air Filter, Primary ■
9	25 083 04-S	1	Element-Air Filter, Safety ■
10	25 237 07-S	2	Clamp-Hose ■
11	24 326 71-S	1	Hose-Cleaner, Air ■
12	M-651025-S	2	Screw-HF (M6X1.0X25) ■
13	24 029 61-S	1	Adapter-Air Cleaner, Remote ■

Ref.	Part Number	Qty.	Description
14	24 041 06-S	1	Gasket-Base, Air Cleaner ■
15	24 164 14-S	1	Manifold-Intake ■
16	25 086 84-S	4	Screw-HF (M6X1.0X55) ■
17	24 041 01-S	2	Gasket-Manifold, Intake ■
18	24 314 25-S	1	Shield-Debris ■
19	24 086 06-S	2	Screw-PPH (11-16X3/4) ■
20	25 126 02-S	1	Air Cleaner Bracket ASM ■
21	M-639016-S	2	Screw-HF (M6X1.0X16) ■
22	X-25-73-S	4	Washer-Flat (1/4) ■
23	M-647060-S	1	Nut-Lock (M6X1.0) ■
24	24 126 142-S	1	Bracket-Cleaner, Air ■
	25 113 27-S	1	Decal-Cleaner, Air ■ ●
	25 454 04-S	1	Tie-Wire ■ ●

● Not illustrated

■ Obtain parts from www.kohlerplus.com



Exhaust Assembly
Kohler CH740-0053

Ref.	*Part Number*	*Qty.*	*Description*
1	25 072 04-S	4	Stud (M8X1.25X33) ■
2	24 041 49-S	2	Gasket-Exhaust ■
3	M-841080-S	4	Nut-Flange (M8X1.25) ■
4	24 068 56-S	1	Muffler ■
5	M-650012-S	4	Screw-HF (M6X1.0X12) ■
6	24 314 04-S	1	Shield-Heat ■
7	24 126 12-S	1	Bracket-Muffler ■
8	M-839020-S	1	Screw-HF (M8X1.25X20) ■
9	24 755 80-S	1	Muffler Guard Kit (Includes Ref 10-13) ■
10	24 126 48-S	1	Bracket-Guard, Muffler ■
11	M-550010-S	2	Screw-HF (M5X0.8X10) ■
12	M-545016-S	2	Screw-Flange, Thread Forming (M5X0.8X16) ■
13	24 314 02-S	1	Guard-Muffler ■
	24 782 32	1	Mini Block (C I Bore) ■ ●
	24 755 109-S	1	Gasket Set ■ ●

● Not illustrated

■ Obtain parts from www.kohlerplus.com

Attachments and Accessories

For 09802 HydroJect 3010 Aerator

Product Name	Model/Part
Chemical Injection Kit	09830
Lift Kit	09831

Notes:

Notes:



Count on it.