Form No. 3327-127 Rev A

TORO®

Count on it.

Parts Catalog

Dingo® 323 Compact Utility Loader

Model No. 22312—Serial No. 230000001 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 clutch

CARR: carriage

CCW: counter clock wise

CW: clockwise

DEG: degrees

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

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

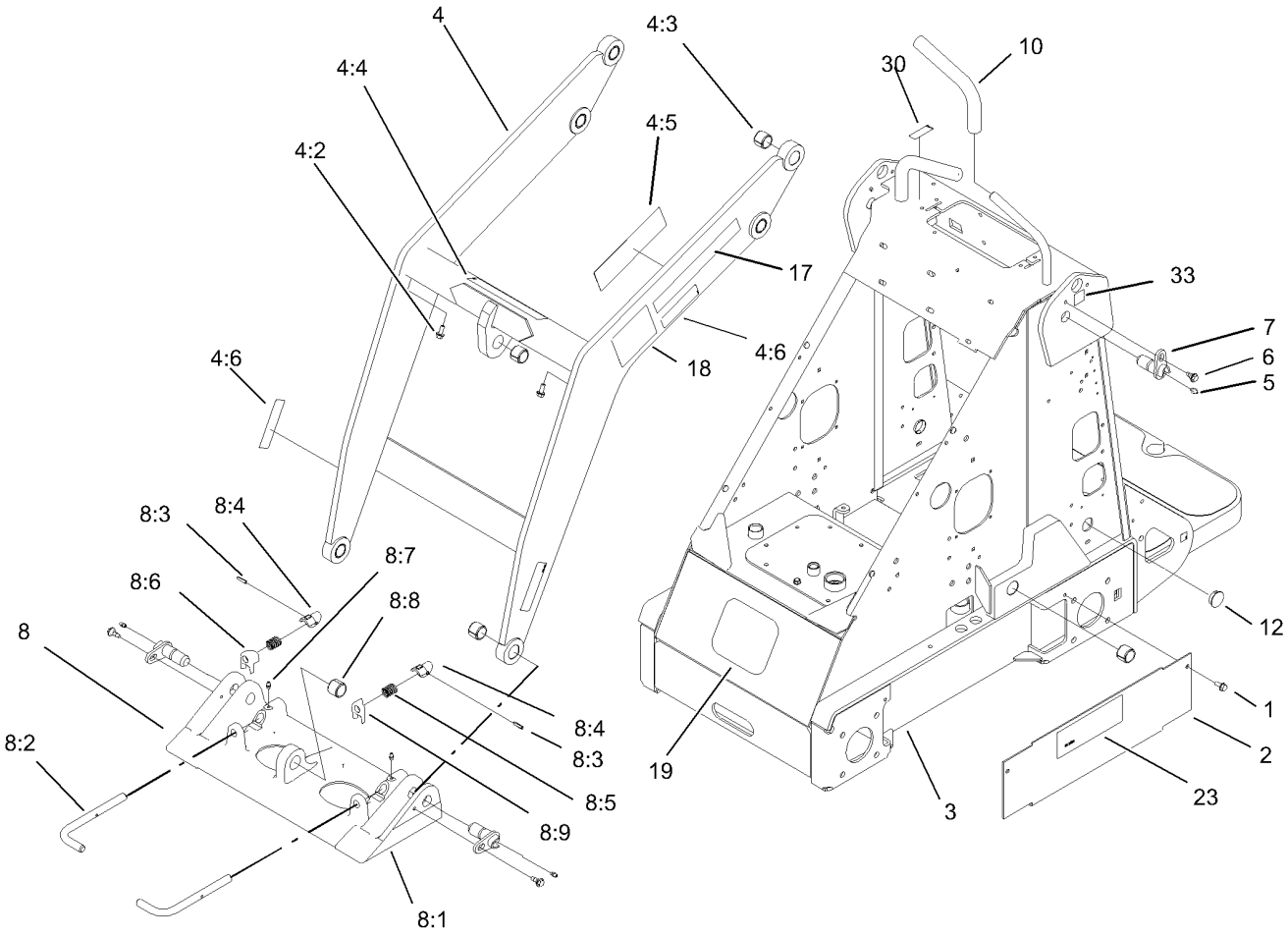
TTH: torx truss head

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Bloomington, MN 55420

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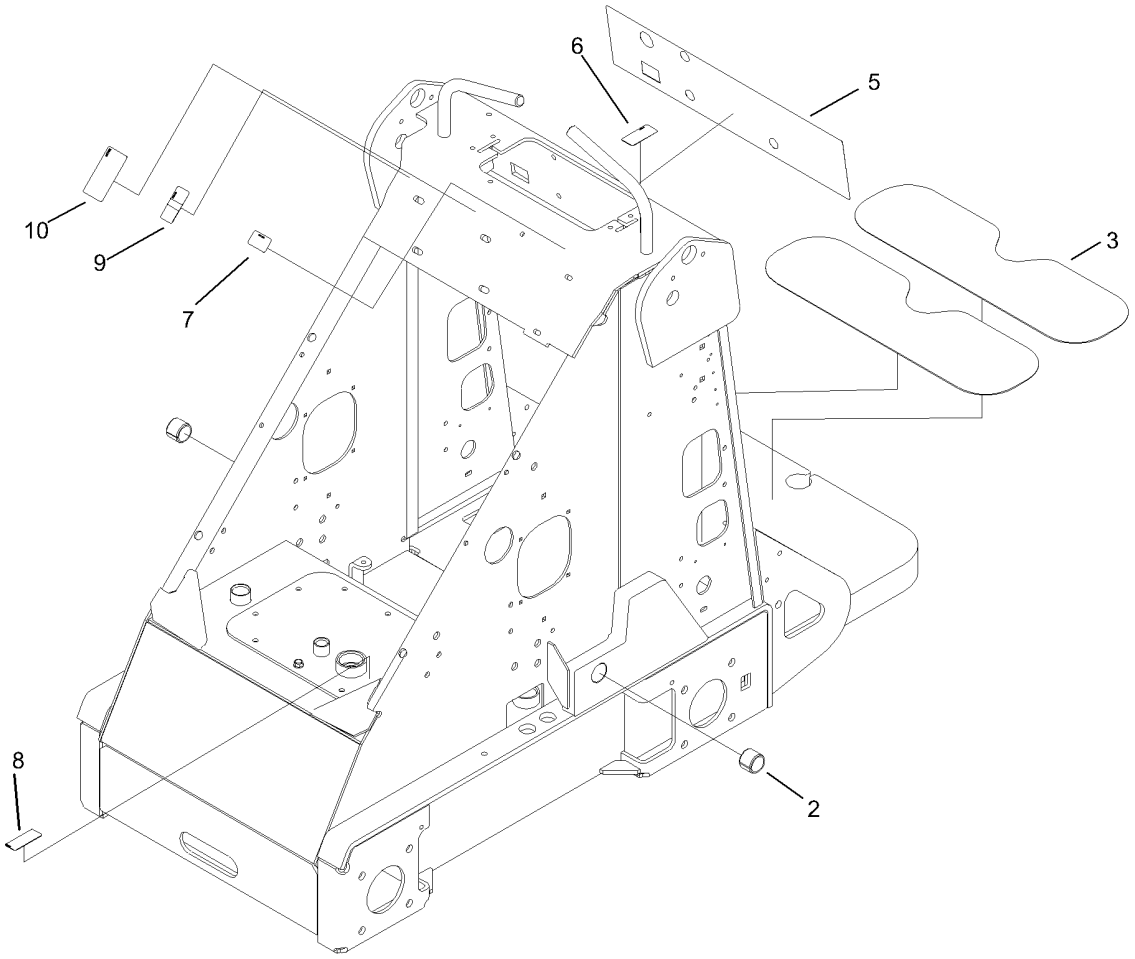
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Frame and Loader Arm Assembly

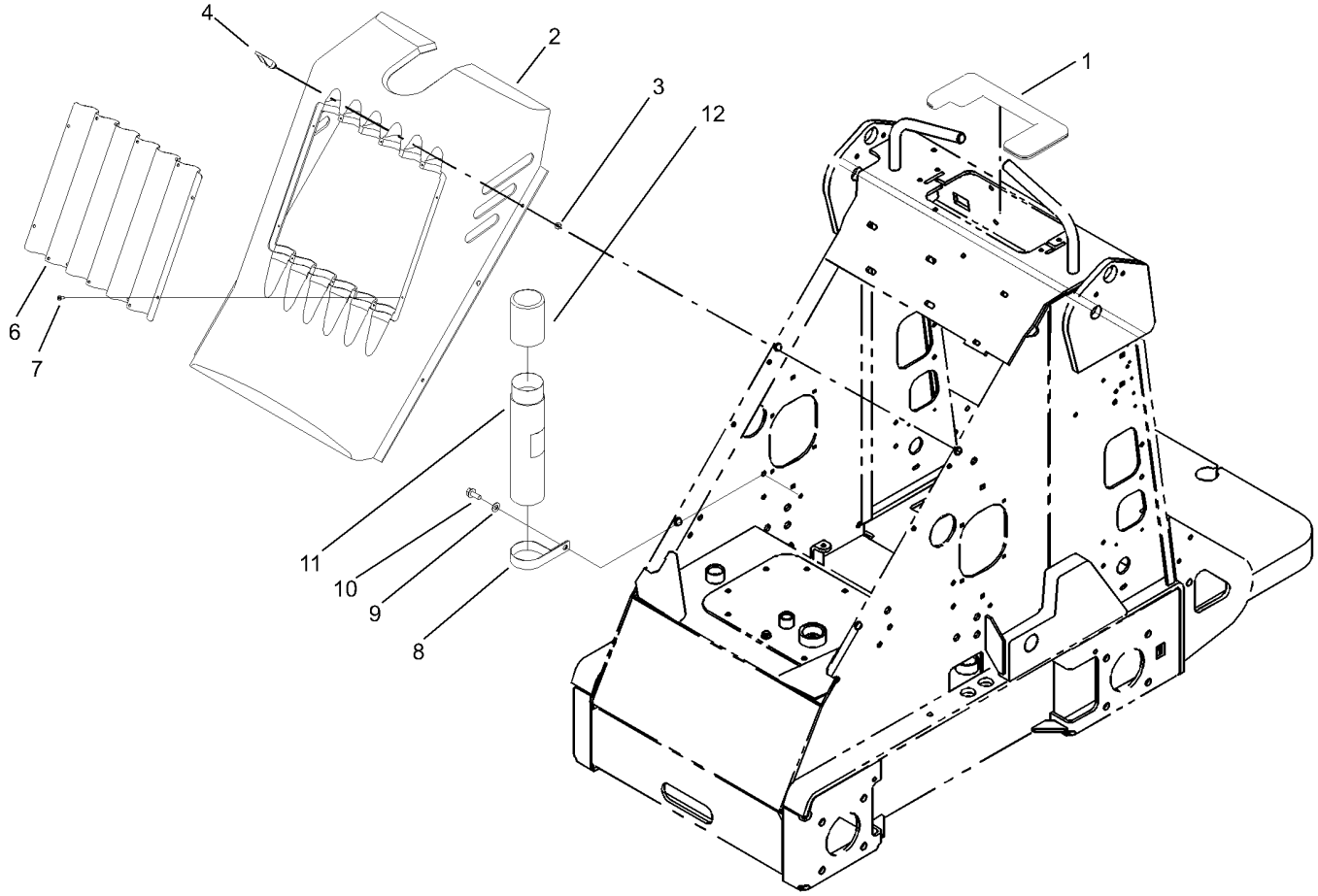
Ref.	Part Number	Qty.	Description
1	32144-70	4	Screw-HWHTF
2	99-3020-01	2	Cover-Hose
3	105-8375	1	Frame ASM
4	105-8366	1	Loader ASM
4:2	32144-70	2	Screw-HWHTF
4:3	98-4871	7	Bushing-Tension
4:4	98-4682	1	Decal-Caution
4:5	98-9051	1	Decal-Danger
4:6	100-6141	4	Decal-Pinch
5	302-5	4	Fitting-Grease
6	99-5105	4	Bolt-Shoulder
7	99-1414	4	Pin-Pivot
8	105-8364	1	Quick Attach ASM
8:1	105-0245-03	1	Mount-Attach, Quick
8:2	105-8367	2	Pin-Locking

Ref.	Part Number	Qty.	Description
8:3	3285-1	2	Pin-Grooved
8:4	105-0246	2	Cam
8:5	98-4694	2	Spring-Compression
8:6	104-5909	1	Stop-RH
8:7	302-5	2	Fitting-Grease
8:8	98-4871	1	Bushing-Tension
8:9	104-5903	1	Stop-LH
10	98-4845	2	Grip-Cushion
12	94-1402	2	Plug-Hole
17	105-8427	2	Decal
18	93-7340	2	Decal
19	62-5550	1	Decal
23	105-8429	2	Decal
30	94-2551	1	Decal-Choke
33	93-9084	6	Decal-Point, Lift



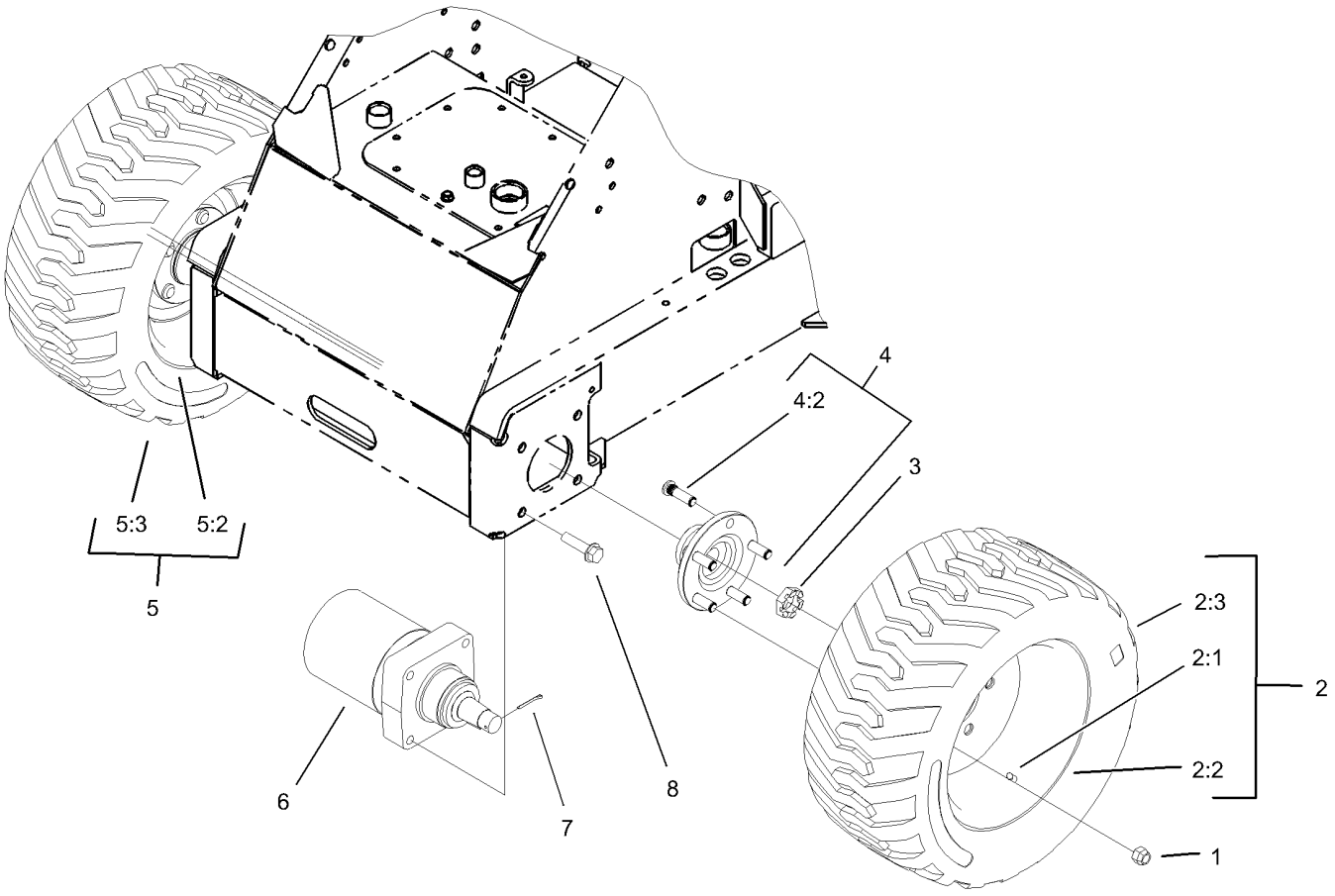
Frame Assembly No. 105-8375

Ref.	*Part Number*	*Qty.*	*Description*
2	98-4871	2	Bushing-Tension
3	98-9947	2	Tread-Foot
5	99-3157	1	Decal-Panel, Control
6	98-8219	1	Decal-Throttle
7	98-8220	1	Decal-Limiter, Speed
8	105-8432	1	Decal-Oil, HYD
9	98-8235	1	Decal-Selector
10	98-4677	1	Decal-Power, Auxiliary



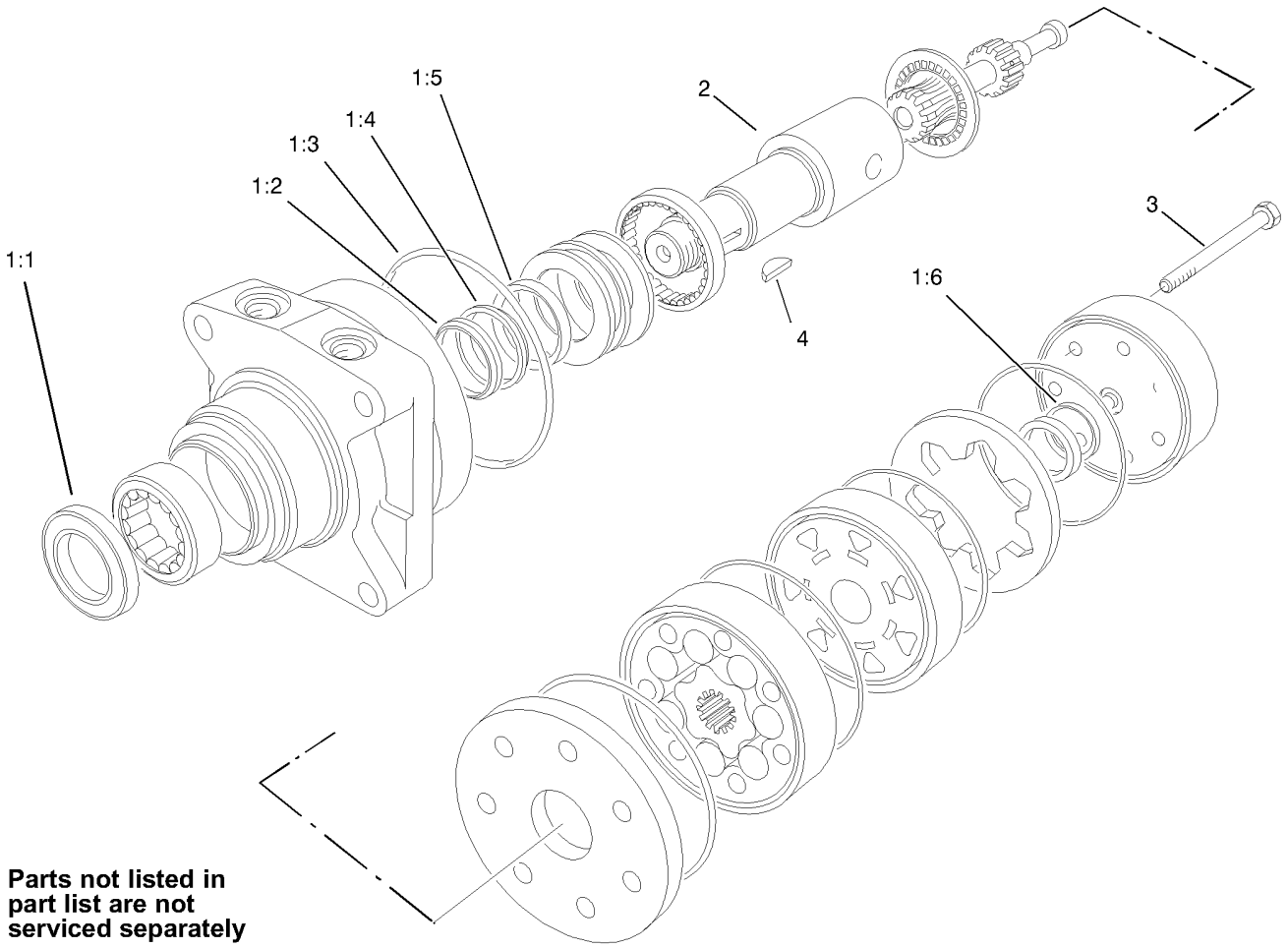
Hood and Screen Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	99-3155	1	Cover-Valve
2	99-3164	1	Cover-Hood
3	99-3058	4	Washer
4	74-5950	4	Latch-Swell
6	99-3147-03	1	Grille-Screen
7	32144-111	10	Screw-PPH
8	2412-133	1	R-Clamp
9	3256-23	1	Washer-Flat
10	32144-70	1	Screw-HWHTF
11	104-7050	1	Tube-Manual
12	104-7048	1	Cap-Housing



Wheel and Motor Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	242-50	20	Nut-Lug
2	98-2747	2	LH Wheel And Tire ASM
2:1	232-27	1	Stem-Valve
2:2	98-2748	1	Wheel
2:3	98-2749	1	Tire
3	99-3139	4	Nut
4	99-3064	4	Hub ASM
4:2	10-6830	5	Stud-Type, Drive
5	99-1447	2	RH Wheel And Tire ASM
5:1	232-27	1	Stem-Valve
5:2	98-2748	1	Wheel
5:3	98-2749	1	Tire
6	99-3052	4	HYD Motor ASM
7	99-3171	4	Pin-Cotter
8	3234-27	16	Screw-HHF

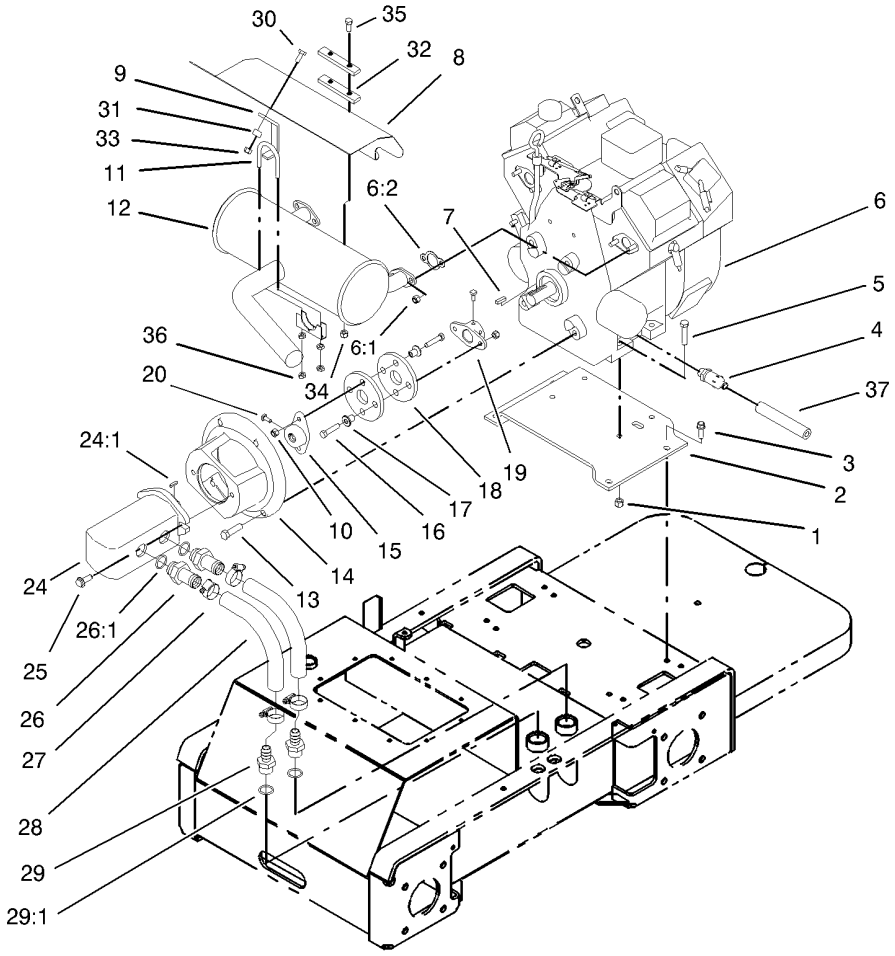


Parts not listed in part list are not serviced separately

Hydraulic Motor Assembly No. 99-3052

Ref.	*Part Number*	*Qty.*	*Description*
1	94-8178	1	Seal Kit
1:1		1	Seal-Dirt And Water ●
1:2		1	Washer-Backup ●
1:3		5	Seal-Ring ●
1:4		1	Washer-Backup ●
1:5		1	Seal-Inner ●
1:6		1	Seal-Commutator ●
2	99-3090	1	Shaft-Coupling
3	99-3091	7	Screw-Cap, HH
4	3257-42	1	Key-Woodruff

● Not serviced separately



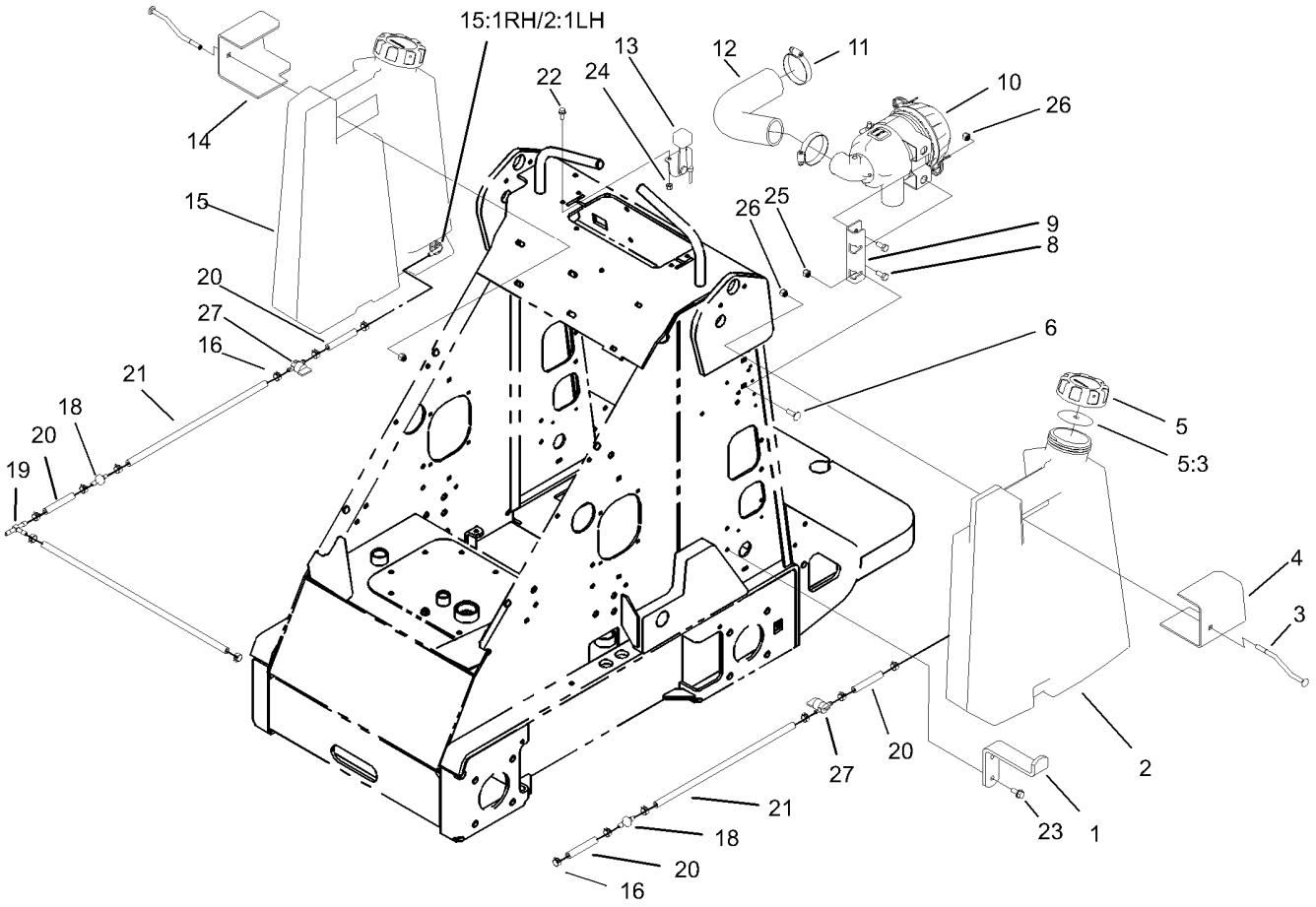
Engine and Pump Assembly

Ref.	Part Number	Qty.	Description
1	3296-39	4	Nut-Lock, NI
2	98-4666-03	1	Mount-Engine
3	95-1726	4	Screw-Taptite
4	92-6877	1	Valve-Drain, Oil
5	323-9	4	Screw-HH
6		1	Engine-Kohler, Ch23S-76549 ■
6:1	92-6780	4	Nut-HF
6:2	93-0350	2	Gasket-Exhaust
7	10-7070	1	Key-Square
8	99-3115-03	1	Shield-Muffler
9	99-3138	1	Support-Shield
10	3296-29	4	Nut-Lock, NI
11	2112-9	1	Clamp
12	105-8381	1	Muffler
13	324-6	4	Screw-HH
14	98-2751-03	1	Mount-Pump
15	98-4701	1	Hub-Pump
16	322-7	4	Screw-HH
17	71-4411	4	Spacer
18	44-2230	2	Coupling-Rubber

Ref.	Part Number	Qty.	Description
19	27-1960	1	Hub-Engine
20	3241-6	4	Screw-SQH
24	98-4702	1	Pump-Gear, Tandem
24:1	98-4700	1	Key-Square
24:2	99-1353	1	Seal Kit ●
25	66-9300	2	Screw-HF
26	99-3017	2	Fitting
26:1	237-81	1	O-Ring
27	2412-111	4	Clamp
28	99-3046	2	Hose-Suction, Formed
29	354-78	2	Connector-Hose
29:1	237-146	1	O-Ring
30	322-6	1	Screw-HH
31	98-4695	1	Spacer
32	99-3116-03	2	Spacer-Bar
33	3296-29	1	Nut-Lock, NI
34	32152-4	2	Nut-Lock, Cone
35	3234-21	2	Screw-HHF
36	3218-2	2	Nut-Jam
37	98-4667	1	Hose-Drain, Oil

● Not illustrated

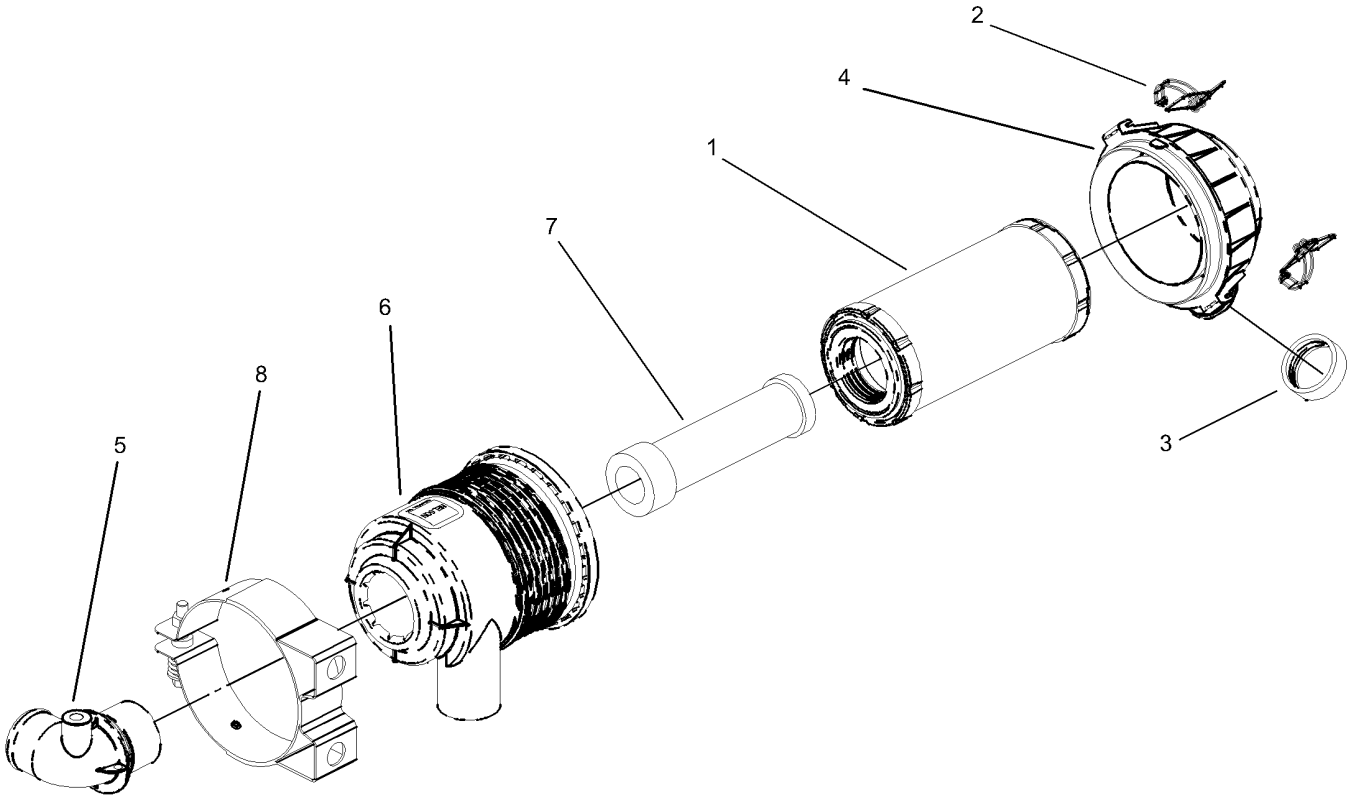
■ Not serviced separately



Fuel Tank and Air Filter Assembly

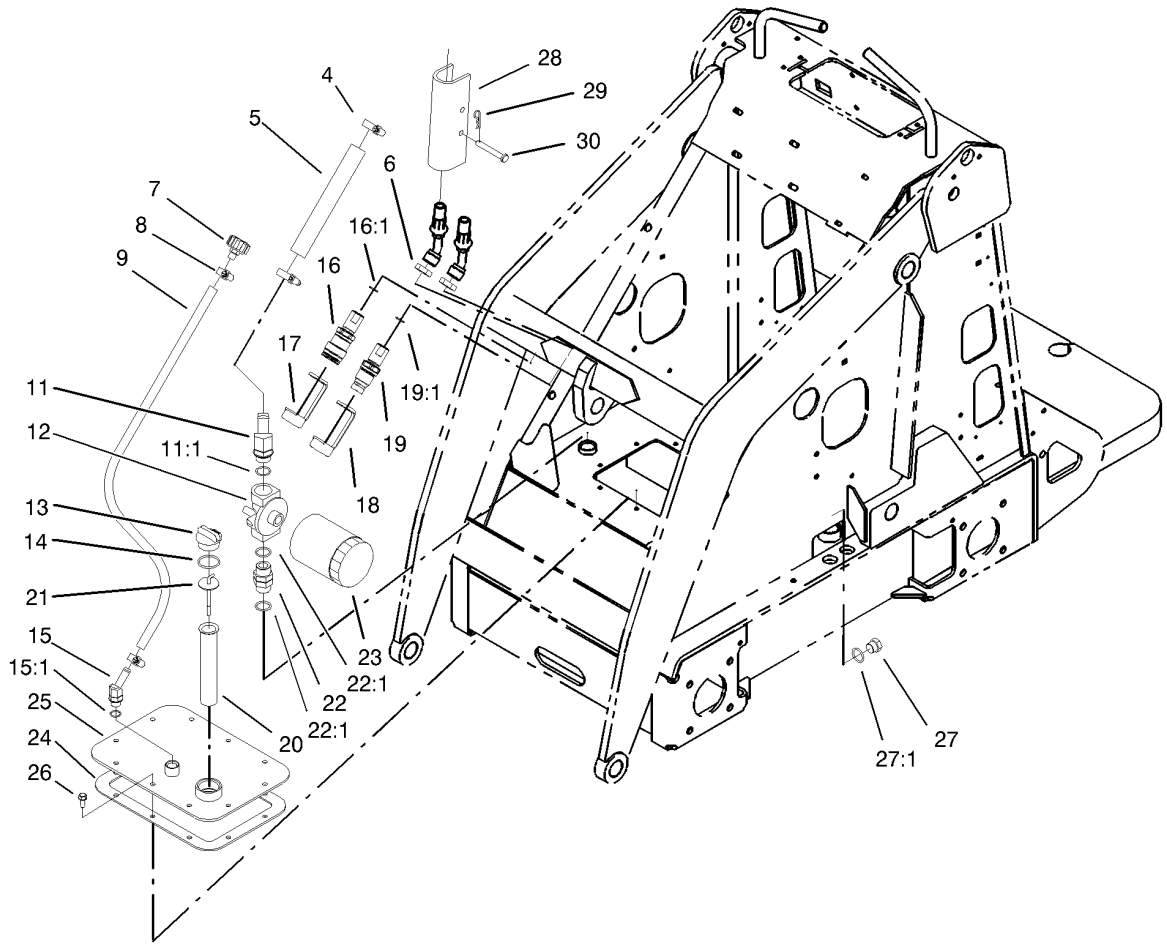
Ref.	Part Number	Qty.	Description
1	98-4656-03	2	Mount-Bottom, Tank
2	105-8439	1	LH Fuel Tank ASM
2:1	103-2605	1	Fitting-Fuel, Bulkhead
3	98-4657	2	Bolt-Mount
4	99-1444-03	1	Plate-Mount, Left
5	104-7418	2	Cap-Fuel, Gas
5:3	104-7420	1	Gasket-Vented
6	3230-2	2	Bolt-CARR
8	322-3	2	Screw-HH
9	99-3080-03	1	Mount-Cleaner, Air
10	99-3160	1	Air Cleaner ASM
11	2412-42	2	Clamp-Hose
12	99-3148	1	Hose-Air
13	85-9310	2	Control-Choke / Throttle
14	98-4655-03	1	Plate-Mount

Ref.	Part Number	Qty.	Description
15	105-8440	1	RH Fuel Tank ASM
15:1	103-2605	1	Fitting-Fuel, Bulkhead
16	92-2379	14	Clamp-Hose
17	99-3185	1	Hose-Fuel
18	99-5000	2	Valve-Check, Fuel
19	99-5005	1	Fitting-Tee, Barbed
20	99-5101	4	Hose-Fuel
21	99-1438	2	Hose-Fuel
22	3234-33	4	Screw-HHF
23	32144-70	4	Screw-HWHTF
24	3296-42	4	Nut-Lock, NI
25	32128-20	2	Nut-HF
26	3296-29	4	Nut-Lock, NI
27	1-603770	2	Valve-Fuel



Air Cleaner Assembly No. 99-3160

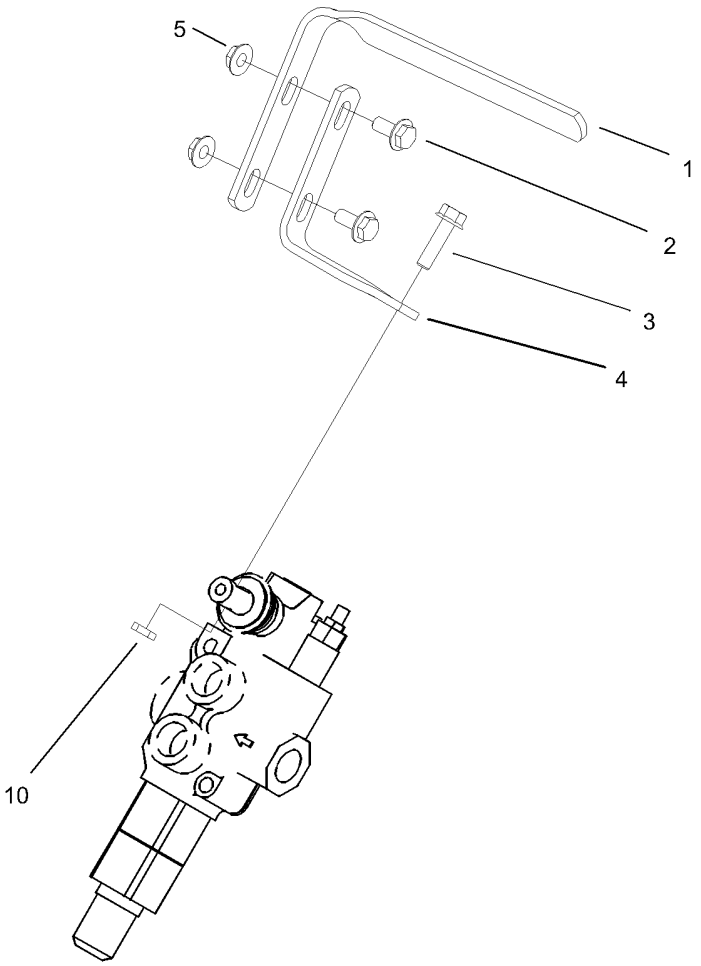
Ref.	*Part Number*	*Qty.*	*Description*
1	99-3173	1	Element-Filter, Air
2	99-3174	2	Clip-Cleaner, Air
3	99-3175	1	Valve-Ejector, Dust
4	99-3176	1	Cover
5	99-3183	1	Tube ASM
6	99-3184	1	Housing
7	99-3198	1	Filter-Safety
8	99-3197	1	Mounting Bracket ASM



Hydraulic Tank and Filter Assembly

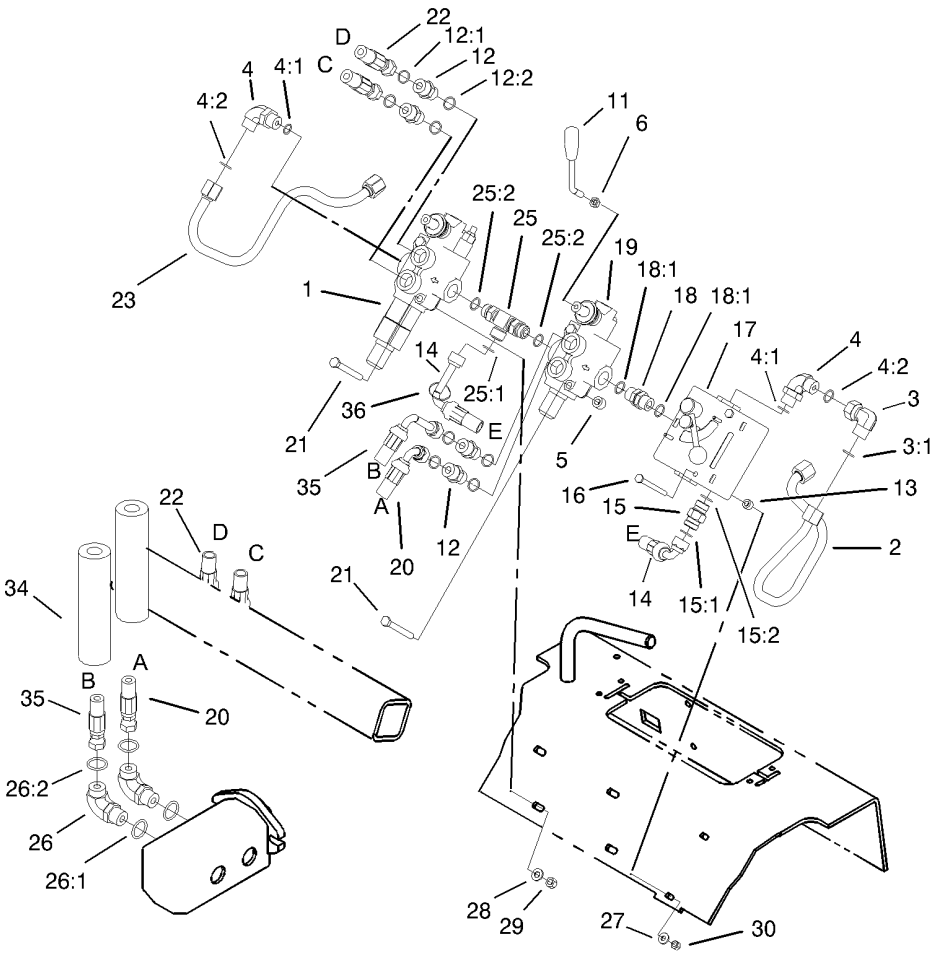
Ref.	Part Number	Qty.	Description
4	2412-129	2	Clamp-Hose
5	98-2713	1	Hose-Suction, HYD
6	340-74	2	Nut-Lock, Bulkhead
7	68-6150	1	Breather
8	2412-36	2	Clamp-Hose
9	98-2708	1	Hose-Vent
11	354-127	1	Elbow-45 DEG
11:1	237-81	1	O-Ring
12	92-5821	1	Filter Head ASM
13	93-7498	1	Plug-Plastic
14	237-123	1	O-Ring
15	354-126	1	Fitting-HYD, 45 DEG
15:1	237-79	1	O-Ring
16	105-8394	1	Bulkhead Coupler ASM
16:1	237-65	1	O-Ring
16:2	105-8396	1	Seal Kit ●
17	100-8816	1	Cap-Dust, Coupler
18	100-8815	1	Cap-Dust, Nipple
19	105-8395	1	Bulkhead Nipple ASM
19:1	237-65	1	O-Ring
19:2	100-6120	1	Seal Kit ●
20	61-2790	1	Filter-Screen
21	100-2097	1	Dipstick-Oil
22	98-9906	1	Fitting-Thread, Straight
22:1	237-81	2	O-Ring
23	54-0110	1	Filter-Oil, Transmission
24	98-9927	1	Gasket-Cover
25	100-1713-01	1	Cover ASM
26	98-9940	10	Screw
27	353-988	1	Plug-Hex
27:1	237-79	1	O-Ring
28	98-4675-01	2	Lock-Cylinder
29	3290-467	2	Pin-Hair
30	283-52	2	Pin-Clevis

● Not illustrated



Auxiliary Control Lever Assembly

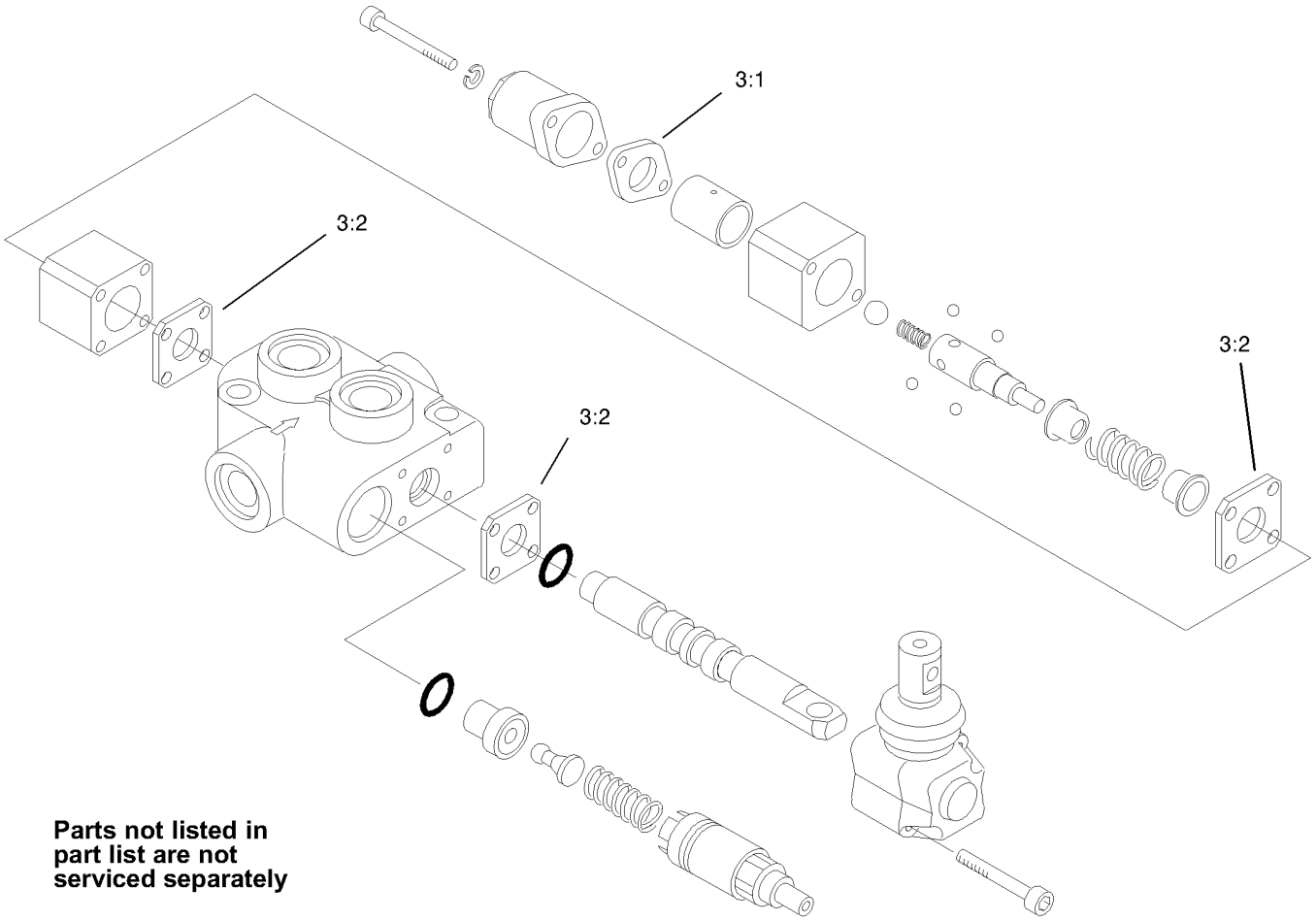
Ref.	*Part Number*	*Qty.*	*Description*
1	98-9090	1	Grip-Control
2	3234-5	2	Screw-HHF
3	33104-030	1	Screw-HHF
4	99-1376	1	Mount-Control
5	32128-44	2	Nut
10	42-9580	1	Nut-Hex



Hydraulic Valve Assembly

Ref.	Part Number	Qty.	Description
1	99-3077	1	Valve-HYD, Auxiliary
2	99-3030	1	HYD Tube ASM
3	94-6031	1	Fitting-HYD
3:1	237-30	1	O-Ring
4	340-98	2	Fitting-HYD, 90 DEG
4:1	237-79	1	O-Ring
4:2	237-30	1	O-Ring
5	98-4695	4	Spacer
6	42-9580	1	Nut-Hex
11	98-4729	1	Lever-Valve
12	340-4	4	Fitting-HYD, Straight
12:1	237-30	1	O-Ring
12:2	237-79	1	O-Ring
13	98-4799	2	Tube-Spacer
14	98-4744	1	Hose ASM
15	98-4735	1	Valve-Check, HYD
15:1	237-30	1	O-Ring
15:2	237-79	1	O-Ring
16	321-14	2	Screw-HH
17	104-4221	1	HYD Valve Kit

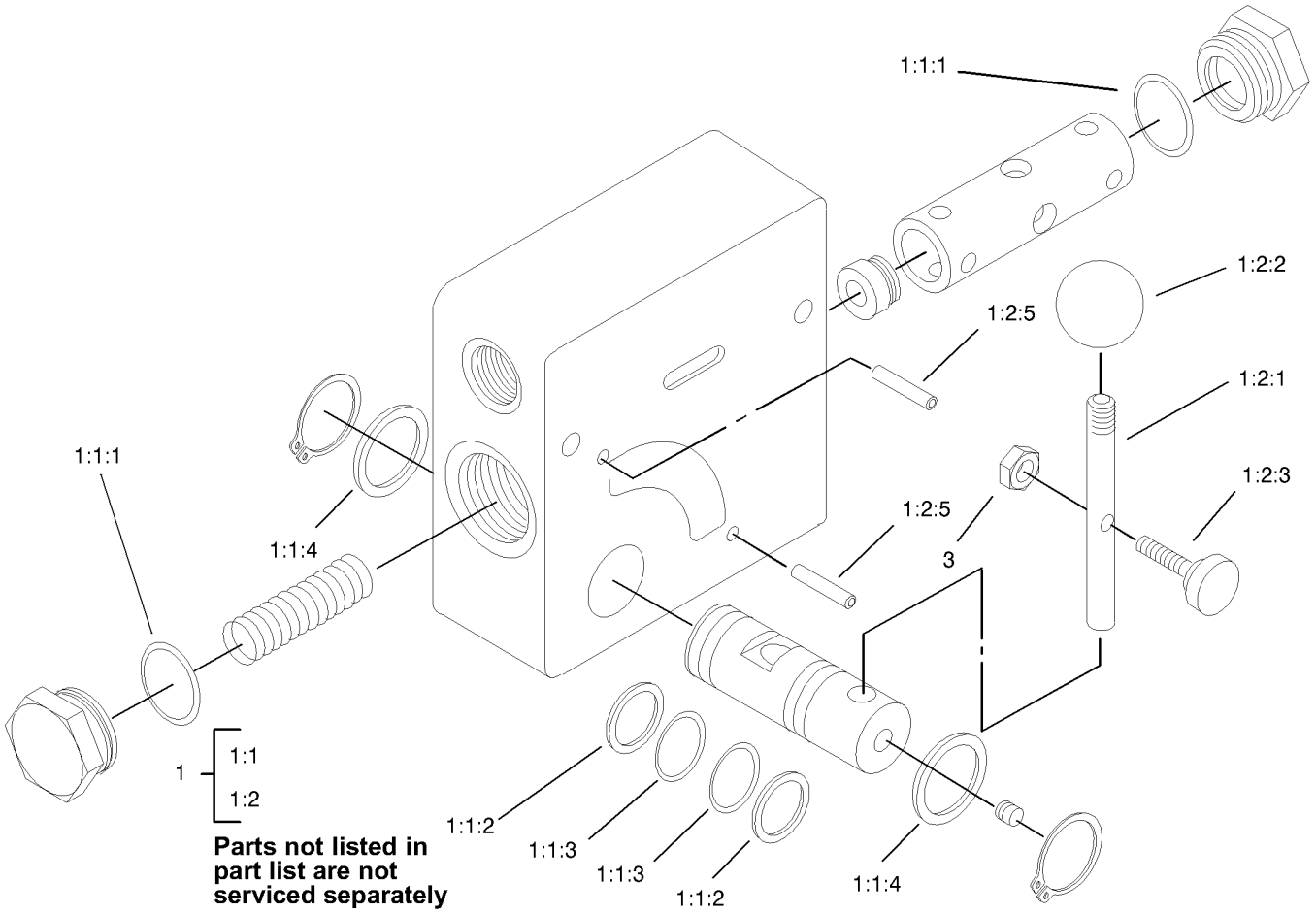
Ref.	Part Number	Qty.	Description
18	95-3209	1	Fitting-Thread, Straight
18:1	237-79	2	O-Ring
19	99-3072	1	Valve-Selector
20	98-4747	1	HYD Hose ASM
21	322-13	4	Screw-HH
22	100-8817	2	HYD Hose ASM
23	98-4724	1	HYD Tube ASM
25	98-9079	1	Adapter-Tee, Adjustable
25:1	237-30	1	O-Ring
25:2	237-79	2	O-Ring
26	340-105	2	Fitting-HYD, 90 DEG
26:1	237-80	1	O-Ring
26:2	237-30	1	O-Ring
27	3256-22	2	Washer-Flat
28	3256-23	4	Washer-Flat
29	3296-29	4	Nut-Lock, NI
30	3296-42	2	Nut-Lock, NI
34	100-8818	2	Sleeve-Guard, Hose
35	99-3008	1	HYD Hose ASM
36	3290-379	9	Tie-Cable



Parts not listed in part list are not serviced separately

Hydraulic Auxiliary Valve No. 99-3077

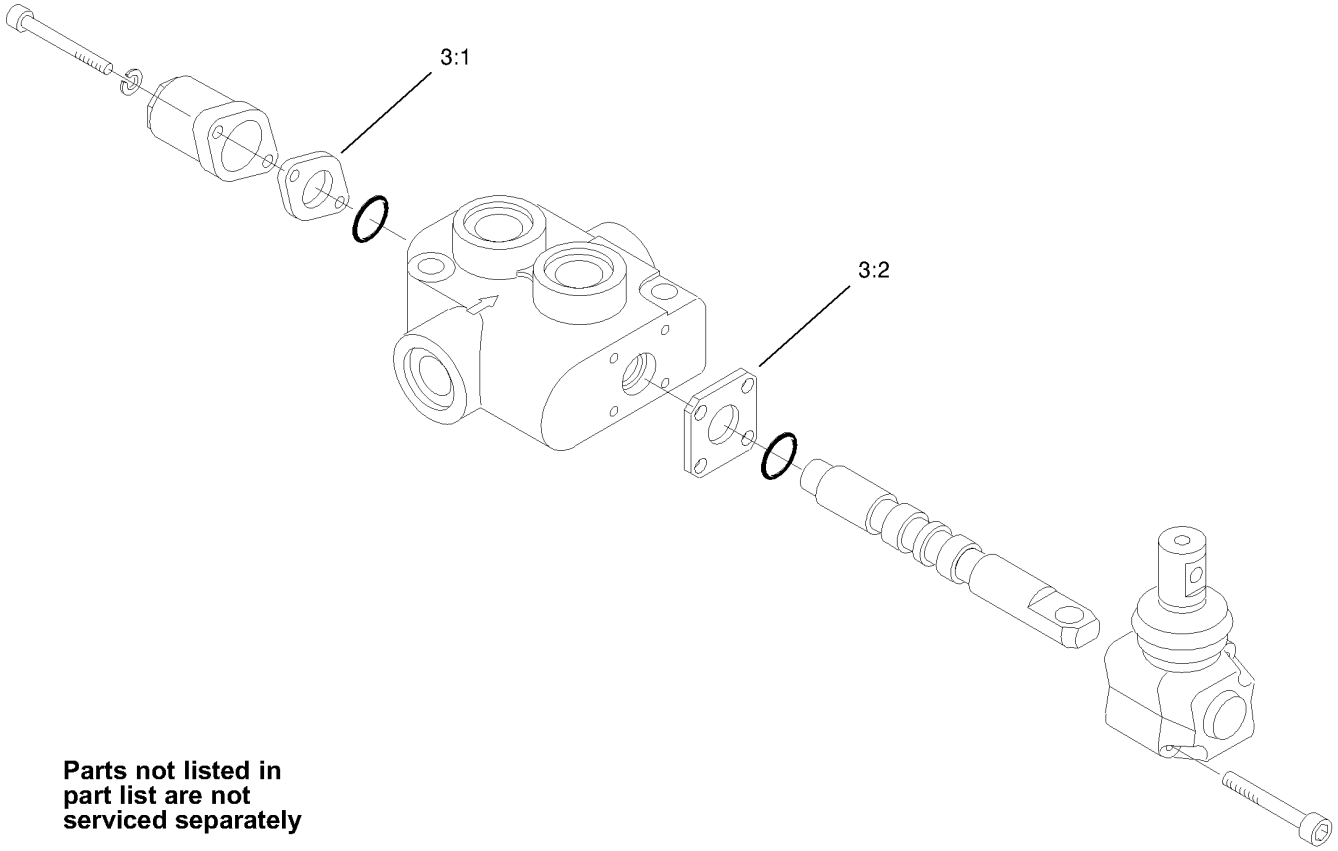
Ref.	*Part Number*	*Qty.*	*Description*
3	99-4391	1	Seal Kit
3:1	99-3074	1	Gasket
3:2	99-3075	3	Gasket



Hydraulic Valve Kit Assembly No. 104-4221

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Valve-Flow, Hydraulic ●
1:1	104-4231	1	Seal Kit
1:1:1		2	Seal-Dust ●
1:1:2		2	Back-Up ●
1:1:3		2	Seal-Dust ●
1:1:4		2	Quad Ring ●
1:2	98-9098	1	Handle Hardware Kit
1:2:1		1	Handle ●
1:2:2		1	Knob ●
1:2:3		1	Screw-Thumb ●
1:2:5		2	Pin-Roll ●
3	3296-27	1	Nut-Lock, NI

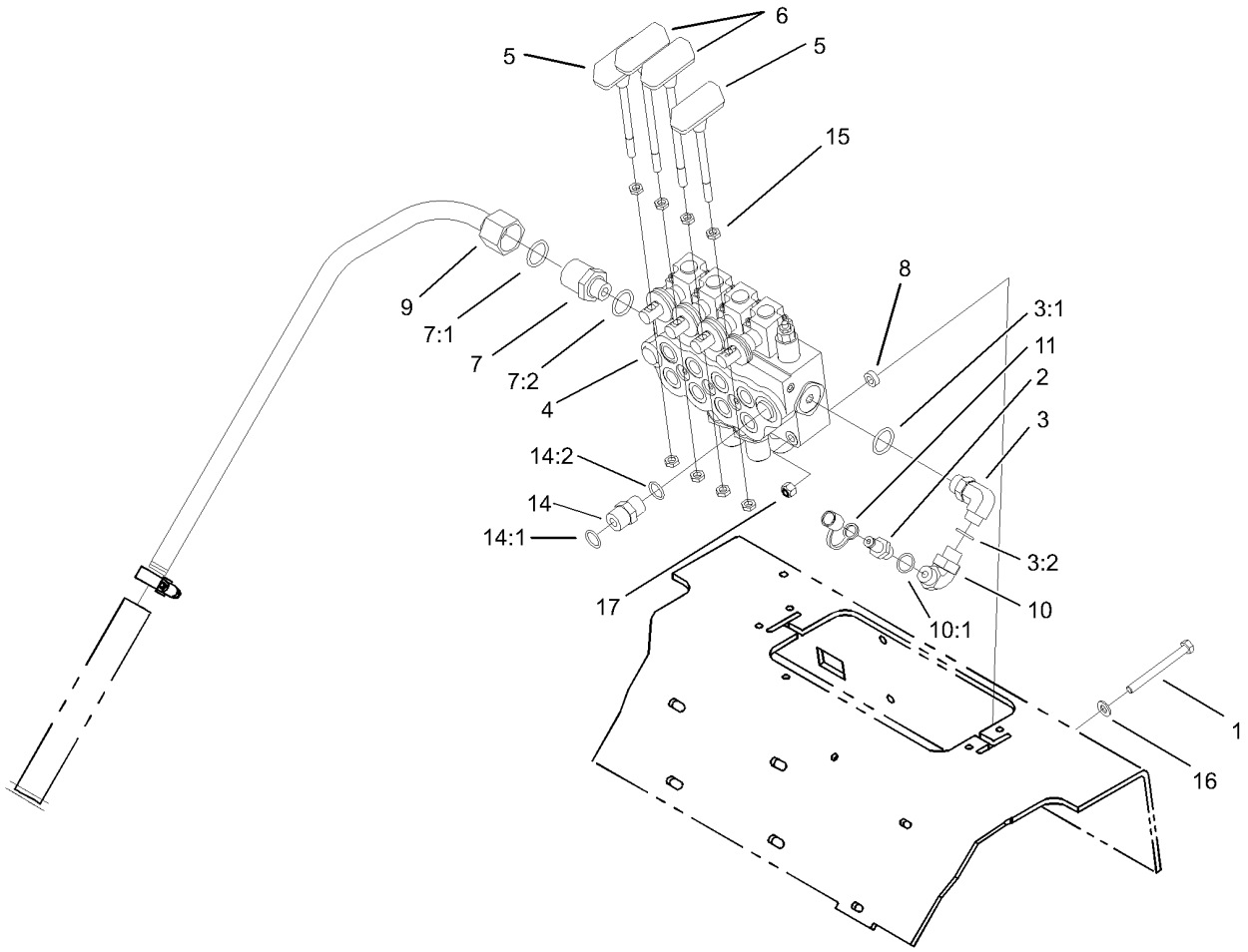
● Not serviced separately



Parts not listed in part list are not serviced separately

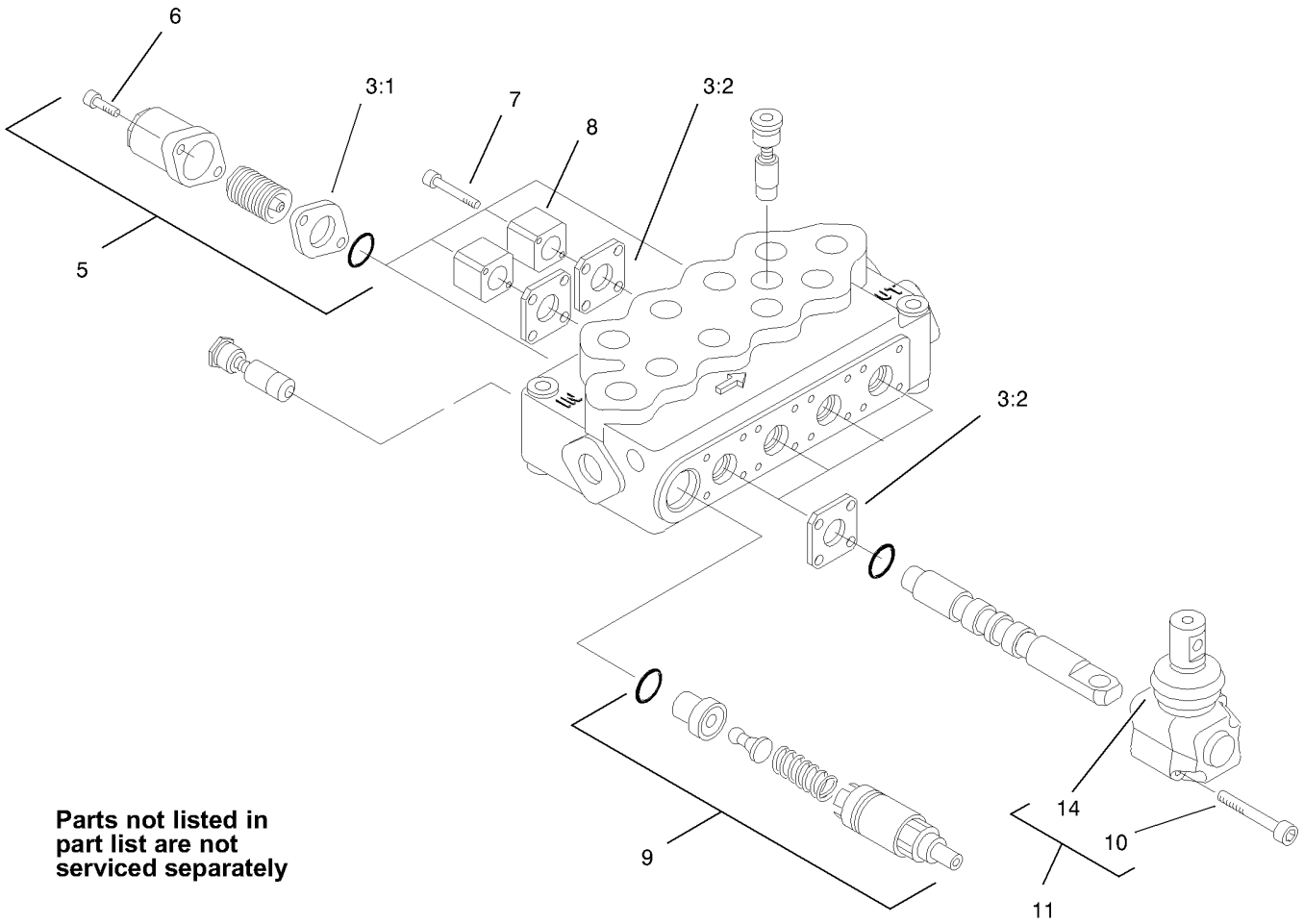
Hydraulic Selector Valve Assembly No. 99-3072

Ref.	*Part Number*	*Qty.*	*Description*
3	99-4391	1	Seal Kit
3:1	99-3074	1	Gasket
3:2	99-3075	3	Gasket



4-Spool Valve Assembly

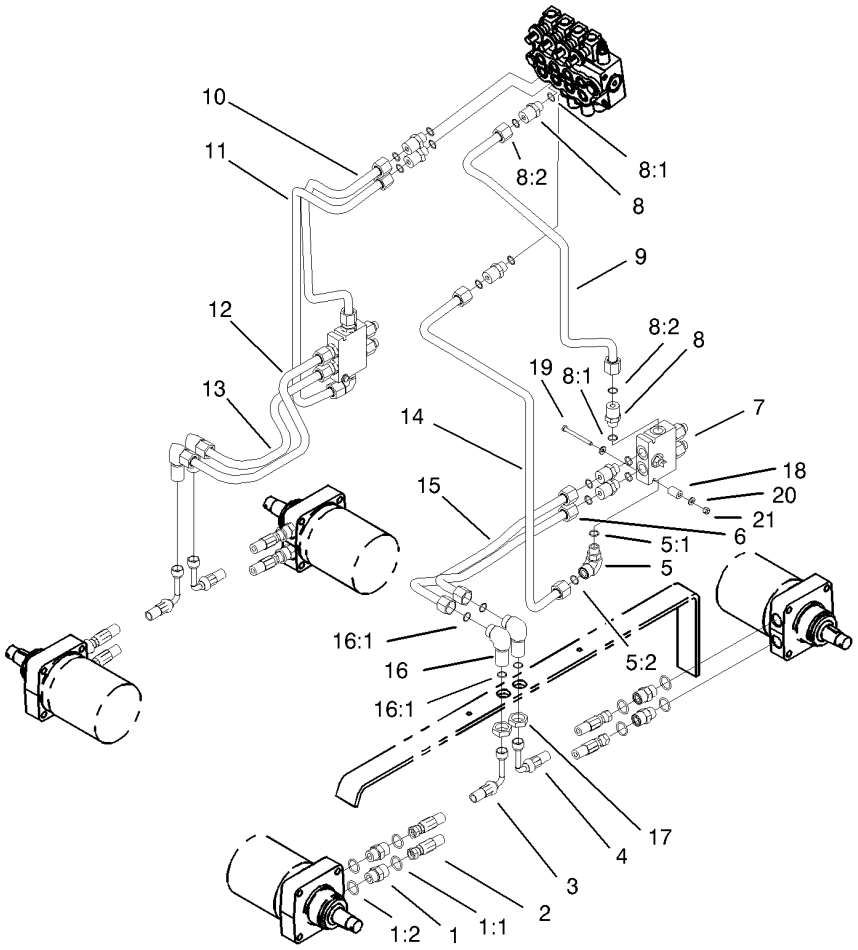
Ref.	*Part Number*	*Qty.*	*Description*
1	322-20	3	Screw-HH
2	86-5480	1	Nipple-Test
3	340-18	1	Fitting-HYD, 90 DEG
3:1	237-79	1	O-Ring
3:2	237-22	1	O-Ring
4	99-3070	1	Valve-HYD, 4-Spool
5	98-4671	2	Cylinder Handle ASM
6	98-4670	2	Drive Handle ASM
7	98-9921	1	Fitting-Thread, Straight
7:1	237-145	1	O-Ring
7:2	237-79	1	O-Ring
8	98-4695	3	Spacer
9	99-3021	1	HYD Tube ASM
10	340-159	1	Fitting-HYD, 90 DEG
10:1	237-22	2	O-Ring
11	354-79	1	Cap-Dust
14	340-4	2	Fitting-HYD, Straight
14:1	237-30	1	O-Ring
14:2	237-79	1	O-Ring
15	42-9580	8	Nut-Hex
16	3256-23	3	Washer-Flat
17	3296-29	3	Nut-Lock, NI



Parts not listed in part list are not serviced separately

4-Spool Hydraulic Valve Assembly No. 99-3070

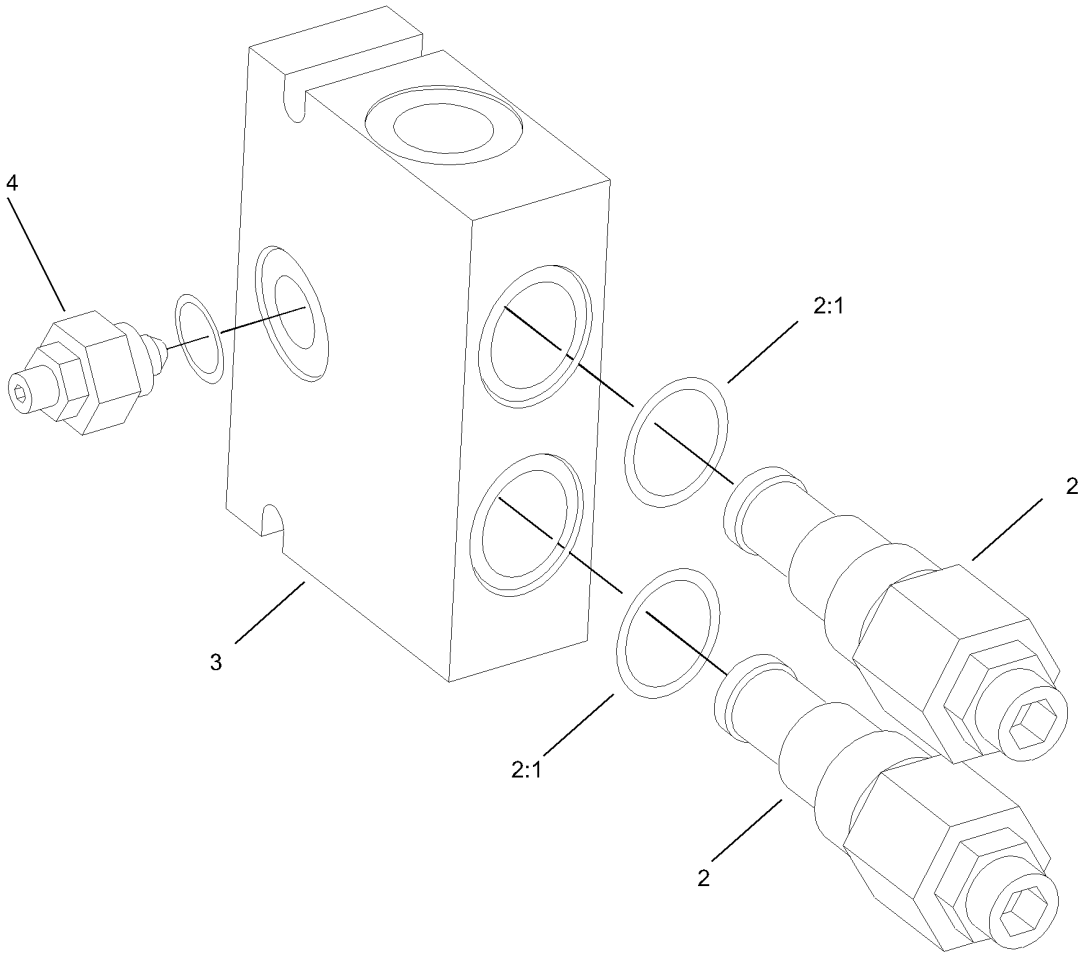
Ref.	*Part Number*	*Qty.*	*Description*
3	99-4390	1	Seal Kit
3:1	99-3074	4	Gasket
3:2	99-3075	8	Gasket
5	100-8801	4	High Force Spring Kit
6	100-8802	8	Screw-Cap, End
7	100-8803	4	Screw
8	100-8804	2	Block-Mount, Switch
9	100-8805	1	Valve-Relief
10	100-8806	8	Screw
11	100-8807	4	Operator ASM
14	100-8829	4	Boot



Hydraulic Motor Assembly

Ref.	Part Number	Qty.	Description
1	340-7	8	Adapter
1:1	237-65	1	O-Ring
1:2	237-80	1	O-Ring
2	99-3012	2	HYD Hose ASM
3	99-3010	2	HYD Hose ASM
4	99-3011	2	HYD Hose ASM
5	340-153	2	Fitting-Elbow, 90 DEG
5:1	237-79	1	O-Ring
5:2	237-151	1	O-Ring
6	99-3022	1	HYD Tube ASM
7	99-3040	2	Valve-Counterbalance
8	340-155	10	Fitting-HYD, Straight
8:1	237-79	1	O-Ring
8:2	237-151	1	O-Ring

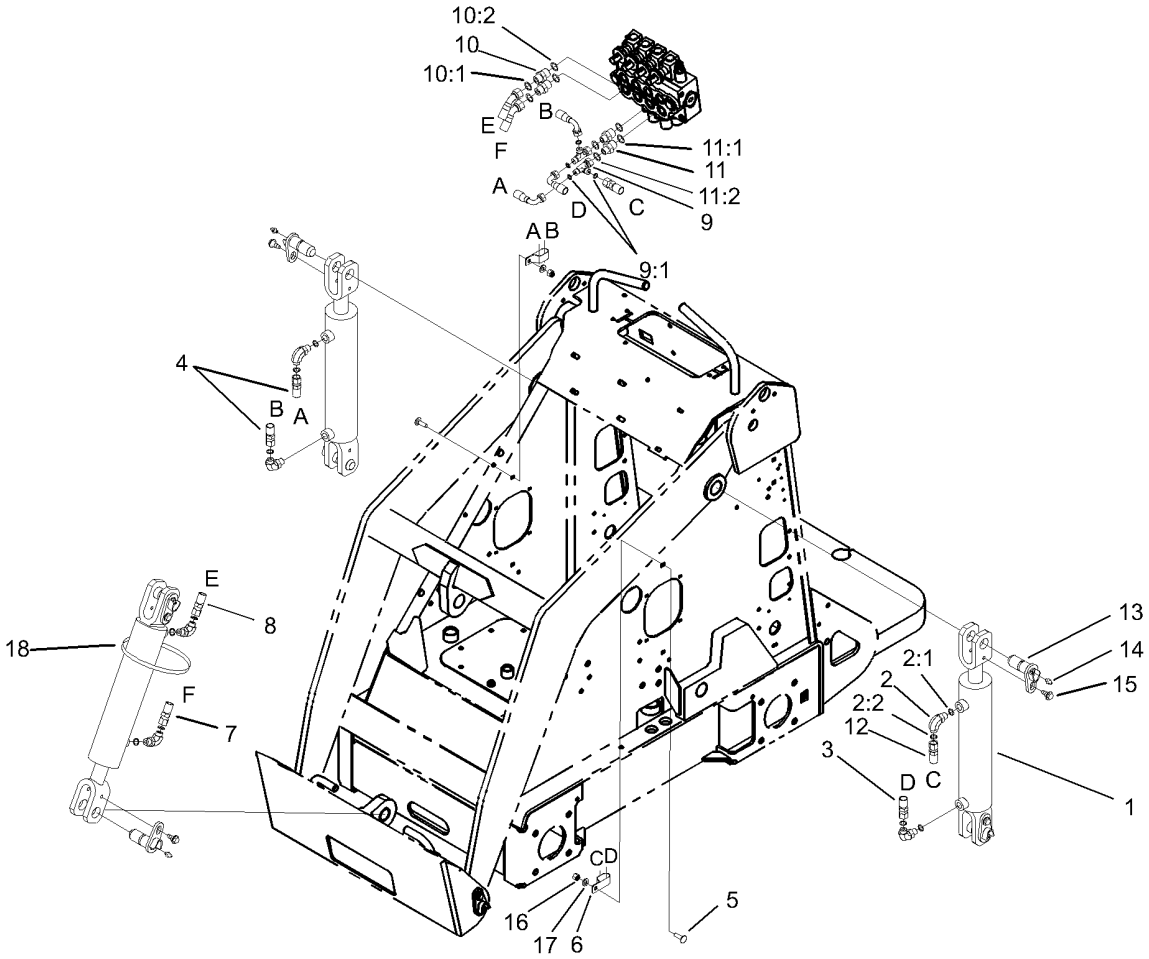
Ref.	Part Number	Qty.	Description
9	99-3027	1	HYD Tube ASM
10	99-3024	1	HYD Tube ASM
11	99-3029	1	HYD Tube ASM
12	99-3025	1	HYD Tube ASM
13	99-3028	1	HYD Tube ASM
14	99-3023	1	HYD Tube ASM
15	99-3026	1	HYD Tube ASM
16	340-72	4	Fitting-Bulkhead, 90 DEG
16:1	237-65	2	O-Ring
17	340-74	4	Nut-Lock, Bulkhead
18	99-3057	2	Spacer-Valve
19	321-23	2	Screw-HH
20	3256-22	4	Washer-Flat
21	3296-42	2	Nut-Lock, NI



Counterbalance Valve Assembly No. 99-3040

Ref.	*Part Number*	*Qty.*	*Description*
1	105-4099	1	Seal Kit ●
2	99-3271	2	Valve-Cartridge
2:1	98-2712	1	Seal Kit
3	100-8864	1	Manifold ASM
4	100-8865	1	Needle Valve ASM

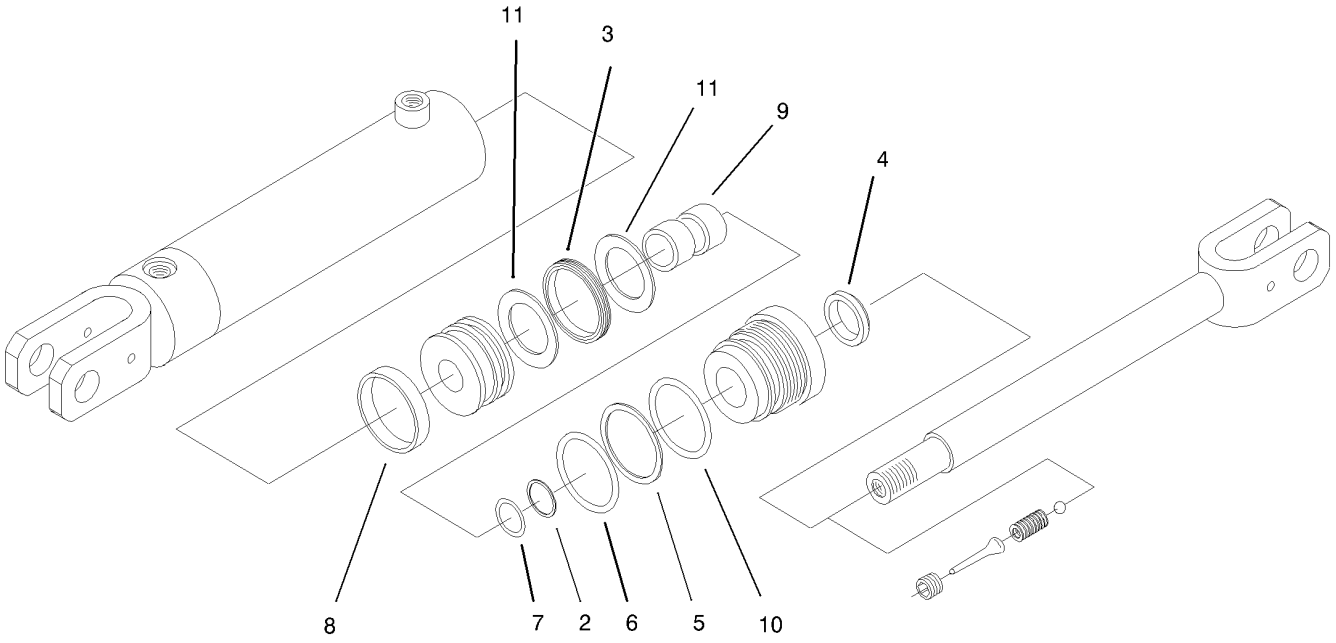
● Not illustrated



Hydraulic Cylinder Installation Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	100-4163	3	Cylinder Kit
2	340-82	6	Adapter
2:1	237-42	1	O-Ring
2:2	237-21	1	O-Ring
3	98-4748	1	HYD Hose ASM
4	98-4725	2	Hose-HYD
5	3230-2	2	Bolt-CARR
6	2412-137	2	Clamp-R, Double
7	98-4726	1	Hose-HYD
8	98-4727	1	Hose-HYD
9	340-151	2	Fitting
9:1	237-75	3	O-Ring
10	340-3	2	Adapter

Ref.	*Part Number*	*Qty.*	*Description*
10:1	237-22	1	O-Ring
10:2	237-79	1	O-Ring
11	340-133	2	Adapter
11:1	237-79	1	O-Ring
11:2	237-21	1	O-Ring
12	99-3109	1	HYD Hose ASM
13	99-1414	6	Pin-Pivot
14	302-5	6	Fitting-Grease
15	99-5105	6	Bolt-Shoulder
16	3296-29	2	Nut-Lock, NI
17	3256-23	2	Washer-Flat
18	3334-945	1	Tie-Cable



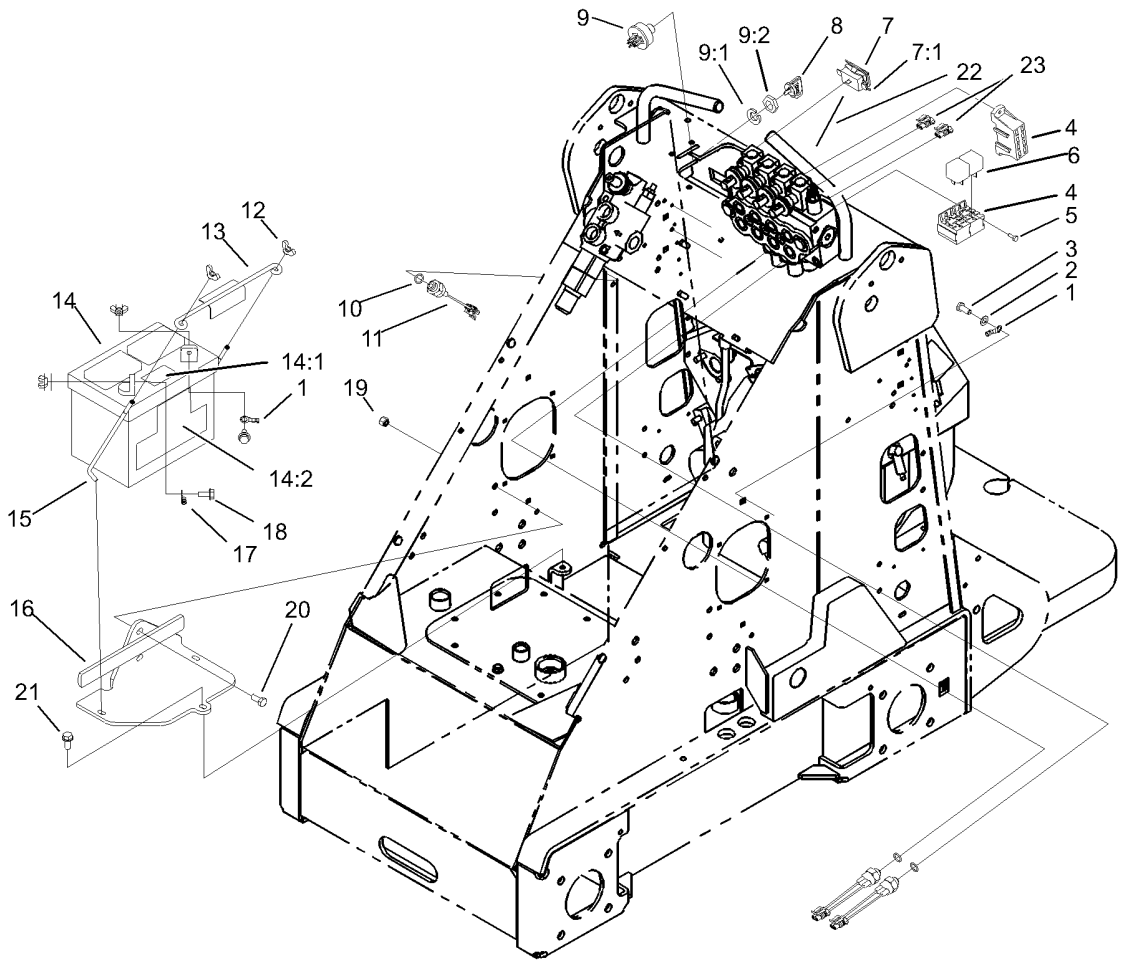
1 2–11

Parts not listed in part list are not serviced separately

Hydraulic Cylinder Kit Assembly No. 100-4163

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Cylinder-HYD ●
1	99-3065	1	Seal Kit

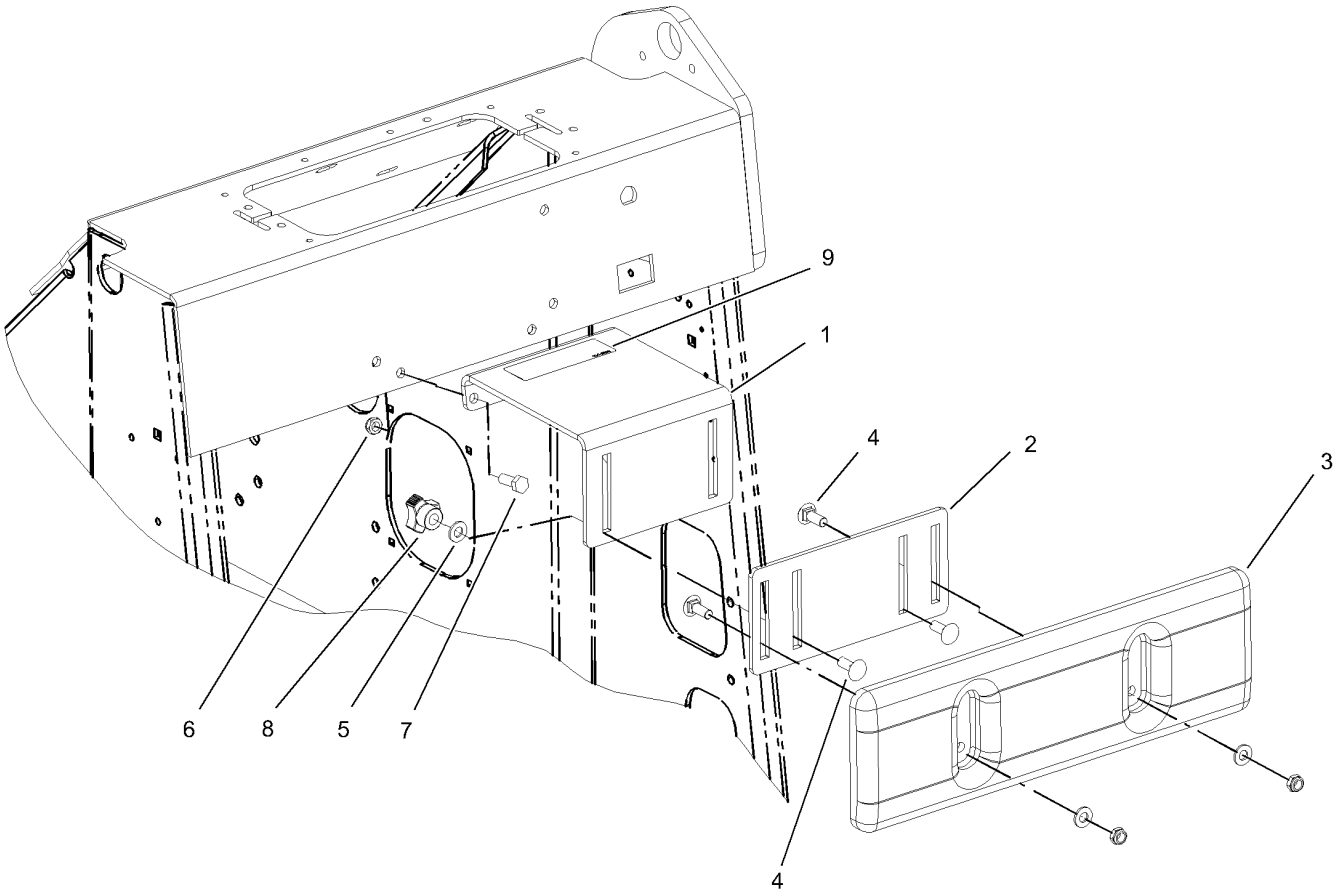
● Not serviced separately



Electrical Component Assembly

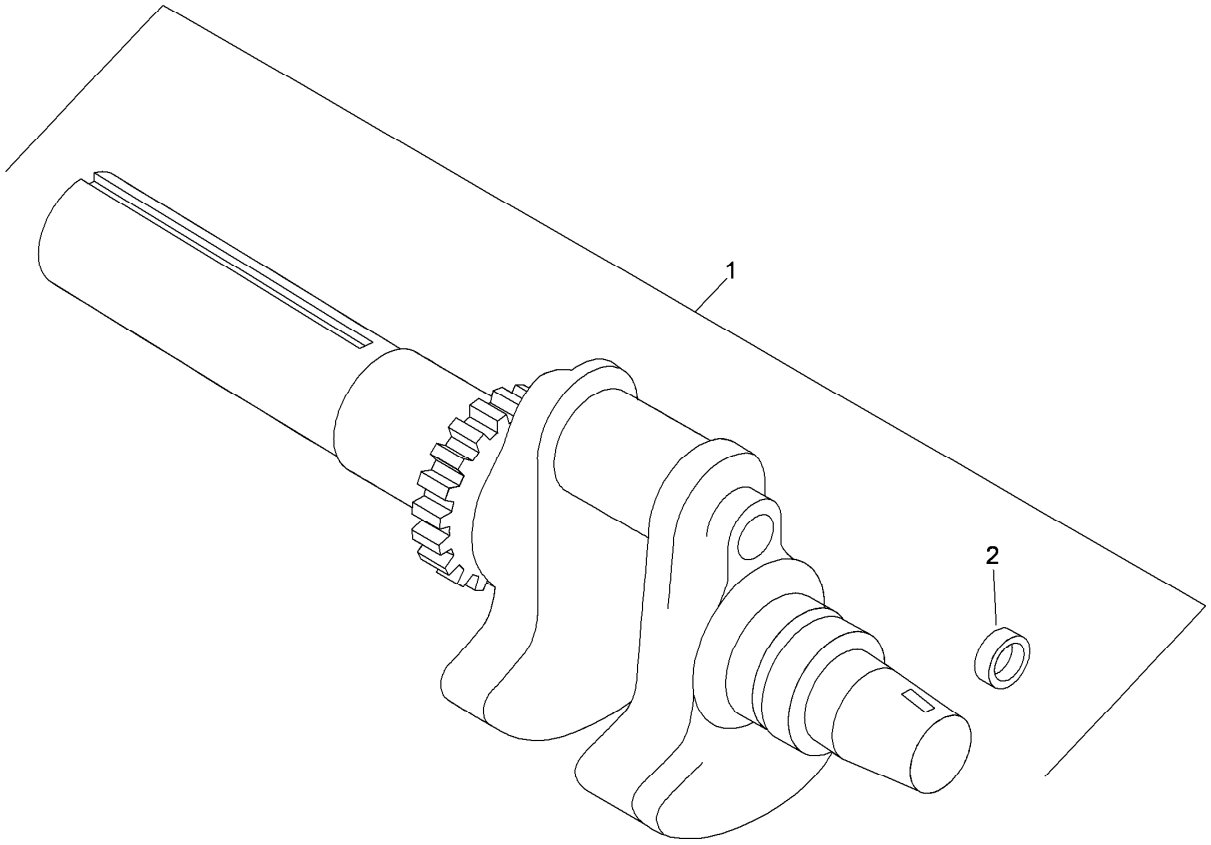
Ref.	Part Number	Qty.	Description
1	111075	1	Wire ASM
2	3255-8	1	Washer-Lock
3	33114-020	3	Screw-HH
4	104-7411	1	Harness-Wire
5	32144-87	3	Screw-HWHTF
6	98-7249	2	Relay
7	105-4067	1	Hourmeter-Inductive
7:1	104-4234	1	Clip-Mounting
8	63-8360	2	Key-Ignition
9	111216	1	Ignition Switch ASM
9:1	9201604	1	Washer-Lock
9:2	101884	1	Nut
10	237-42	3	O-Ring
11	72-4310	3	Switch-Ball
12	32103-22	4	Nut-Wing
13	113010	1	Holddown-Battery
14	104-2492	1	Battery
14:1	104-4163	1	Decal-Battery
14:2	104-5091	1	Decal-Battery
15	99-5027	2	Retainer-Battery
16	99-3060-03	1	Battery Mount ASM
17	100-1712	1	Cable-Positive
18	3234-4	2	Screw-HHF
19	3296-29	2	Nut-Lock, NI
20	322-4	2	Screw-HH
21	32144-70	1	Screw-HWHTF
22	104-7408	1	Wire-Hourmeter
23	99-1433	2	Connector-Female
99	3290-381	6	Tie-Cable ●

● Not illustrated



Thigh Support Assembly

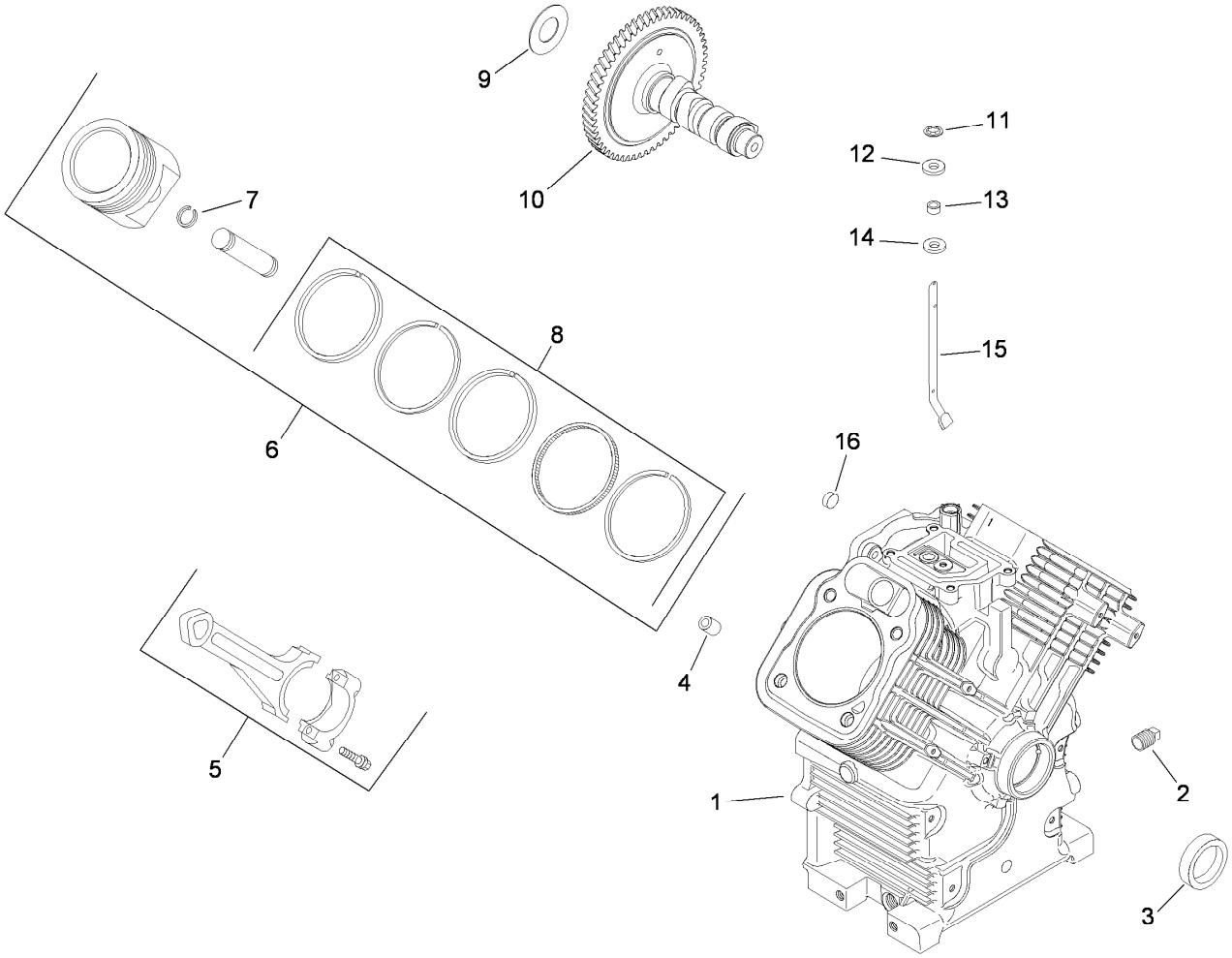
Ref.	*Part Number*	*Qty.*	*Description*
1	105-0297-03	1	Thigh Support ASM
2	105-0337-03	1	Plate-Adjusting
3	105-0333	1	Support-Thigh
4	3230-16	4	Screw-CARR
5	3256-70	4	Washer-Flat
6	3296-72	4	Nut-Lock, NI
7	322-4	2	Screw-HH
8	104-6156	2	Knob-Adjustment
9	104-6108	1	Decal-Manual



Crankshaft Assembly
Kohler CH23S-76549

Ref.	*Part Number*	*Qty.*	*Description*
1	24 014 90-S	1	Crankshaft (Includes 2) ●
2	52 139 09-S	1	Plug-Cup ●

● Obtain parts from www.kohlerplus.com

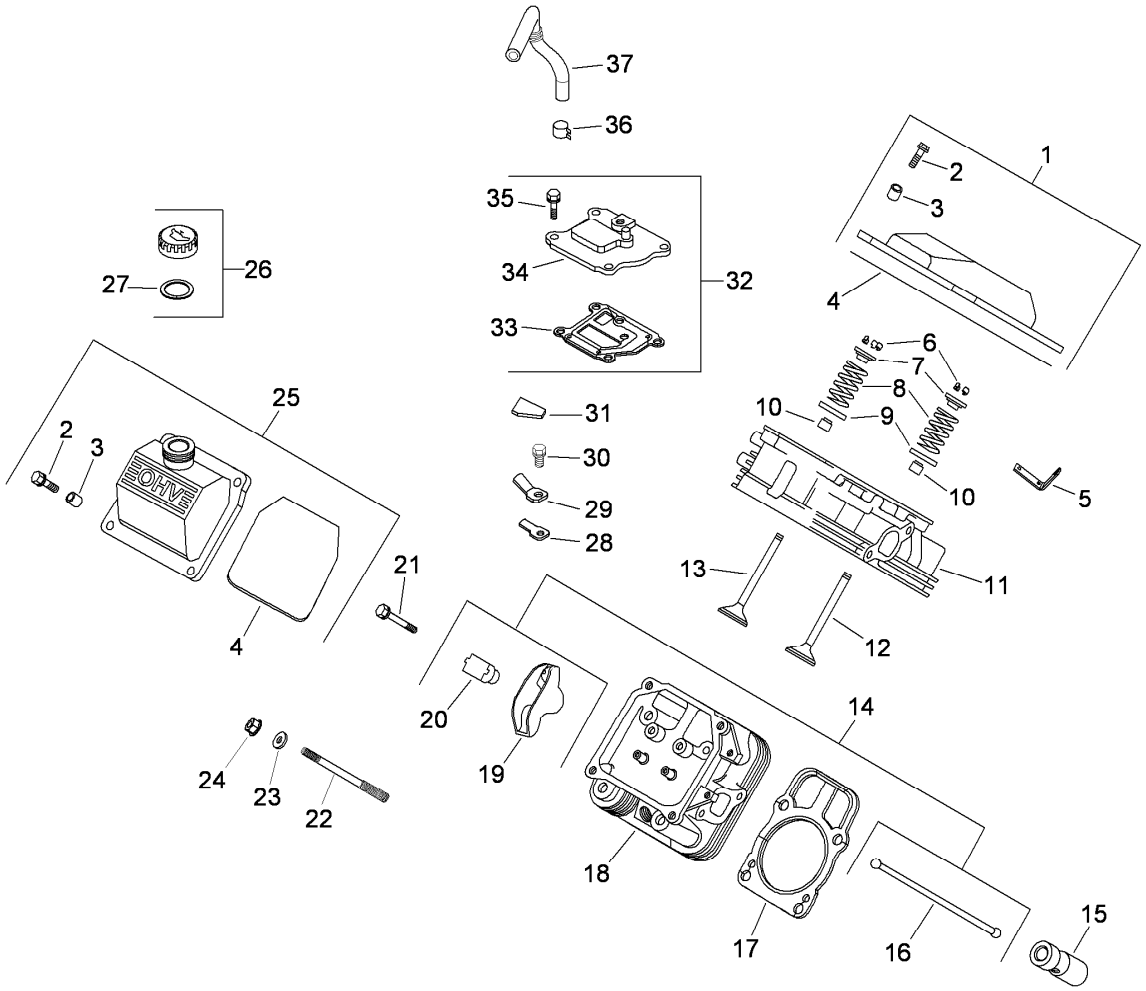


Crankcase Assembly
Kohler CH23S-76549

Ref.	Part Number	Qty.	Description
1	24 782 15	1	Miniblock ■
2	25 139 57-S	2	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 09-S	2	Piston W/Ring Set (STD) (Includes Ref 7, 8) ■
6	24 874 10-S	2	Piston W/Ring Set (.25) (Includes Ref 7, 8) ■
6	24 874 11-S	2	Piston W/Ring Set (.50) (Includes Ref 7, 8) ■
6	24 874 15-S	2	Piston W/Ring Set (.08) (Includes Ref 7, 8) ■
7	24 018 01-S	4	Retainer-Pin, Piston ■
8	24 108 08-S	2	Ring Set (STD) ■
8	24 108 09-S	2	Ring Set (.25) ■
8	24 108 10-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 10-S	1	Camshaft Kit (Includes 25 357 14-S) ■
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 ■
	25 357 14-S	1	Lubricant-Camshaft ■ ●

● Not illustrated

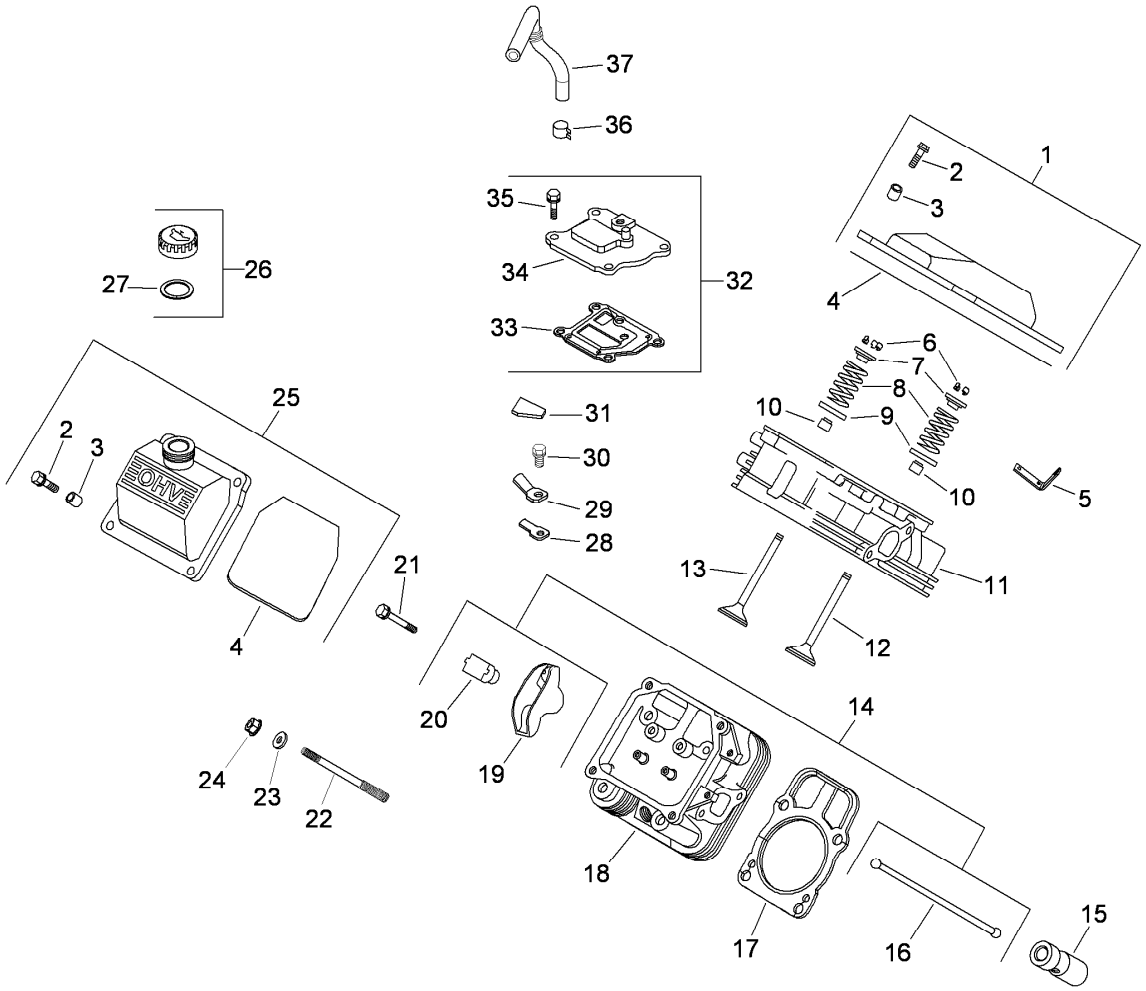
■ Obtain parts from www.kohlerplus.com



Head and Valve and Breather Assembly
Kohler CH23S-76549

Ref.	Part Number	Qty.	Description
1	24 755 74-S	1	Plain Valve Cover Kit (Includes Ref 2-4) ●
2	M-651030-S	4	Screw-Flange (M6X1.0X30) ●
3	24 112 08-S	4	Spacer ●
4	24 153 23-S	1	O-Ring ●
5	24 445 01-S	1	Strap-Lifting ●
6	12 755 03-S	4	Retainer Kit ●
7	12 173 01-S	4	Cap-Spring, Valve ●
8	24 089 02-S	4	Spring-Valve ●
9	235011-S	4	Retainer-Spring ●
10	66 032 05-S	2	Seal-Stem, Valve ●
11	24 318 68-S	1	No. 1 Cylinder Head ASM ●
12	24 017 01-S	2	Valve-Intake (STD) ●
12	24 017 02-S	2	Valve-Intake (.25) ●
13	24 016 01-S	2	Valve-Exhaust (STD) ●
13	24 016 02-S	2	Valve-Exhaust (.25) ●
14	24 755 66-S	1	Valve Train Kit (Includes Ref 16, 19, 20) ●
15	25 351 01-S	4	Lifter-Valve ●
16	24 411 05-S	4	Rod-Push ●
17	24 041 40-S	2	Gasket-Cylinder Head ●
18	24 318 71-S	1	No. 2 Cylinder Head ASM ●
19	25 186 01-S	4	Arm-Rocker ●
20	24 599 01-S	4	Pivot-Arm, Rocker ●
21	M-640034-S	8	Screw-Flange (M6X1.0X34) ●
22	24 072 09-S	8	Stud (M8X1.25Xm10X1.5X105Mm) (Cylinder Head) ●
23	24 468 16-S	8	Washer-Flat (8.6 Mm) ●
24	24 100 10-S	8	Nut-Flange (M8X1.25) ●
25	24 755 75-S	1	Oil Fill Valve Cover Kit (Includes Ref 2-4) ●
26	24 755 46-S	1	Oil Fill Cap Kit (Yellow) (Includes Ref 27) ●
27	25 153 02-S	1	O-Ring (Oil Fill Cap) ●
28	24 402 03-S	1	Reed-Breather ●
29	12 018 01-S	1	Retainer-Reed, Breather ●
30	M-545010-S	1	Screw-HHFTF (M5X.80X10) ●
31	24 050 01-S	1	Filter-Breather ●
32	24 033 01-S	1	Breather ASM (Includes Ref 33-35) ●
33	24 041 23-S	1	Gasket-Breather ●
34	24 096 86-S	1	Cover-Breather ●
35	M-645020-S	4	Screw-HHFTF (M6X1.0X20) ●

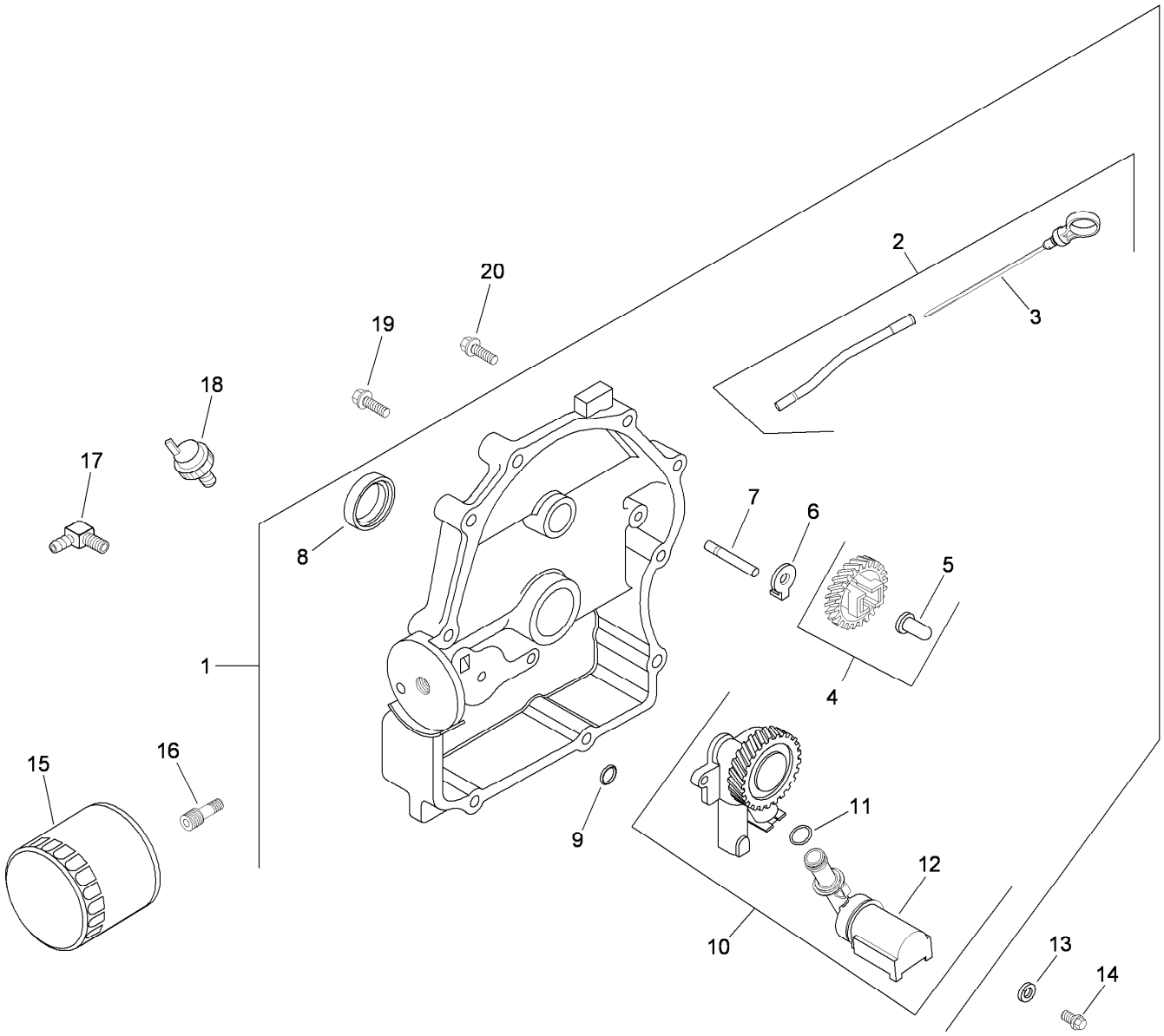
● Obtain parts from www.kohlerplus.com



Head and Valve and Breather Assembly
Kohler CH23S-76549 (continued)

Ref.	*Part Number*	*Qty.*	*Description*
36	25 237 08-S	2	Clamp-Hose ●
37	24 326 31-S	1	Hose-Breather ●

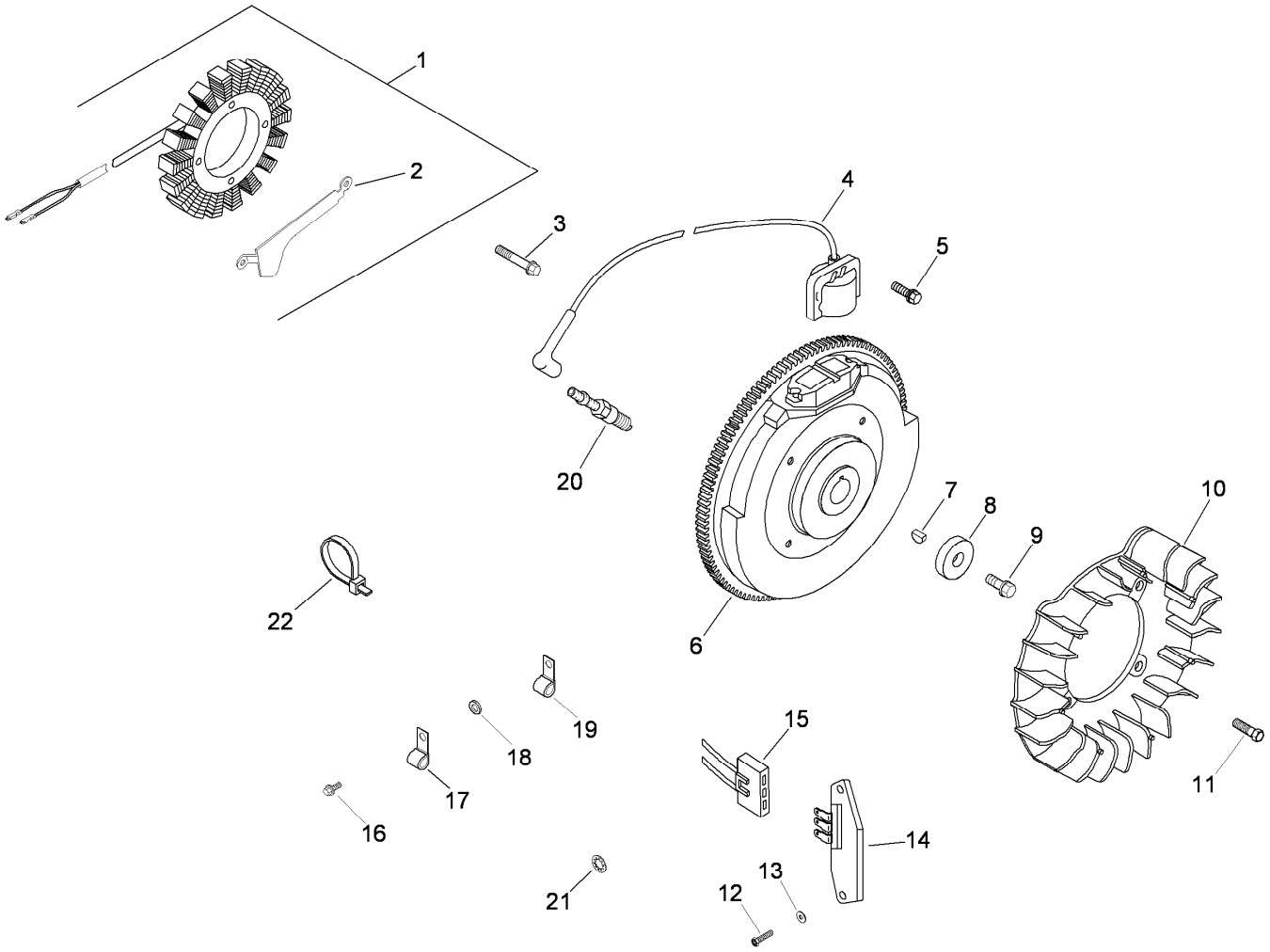
● Obtain parts from www.kohlerplus.com



Oil Pan and Lubrication Assembly
Kohler CH23S-76549

Ref.	Part Number	Qty.	Description
1	24 009 82-S	1	Closure Plate Kit (Includes Ref 2-12) ●
2	24 755 121-S	1	Dipstick And Dipstick Tube ASM (Includes Ref 3) ●
3	24 038 10-S	1	Dipstick ●
4	24 043 12-S	1	Governor Gear W/Pin Kit (Includes Ref 5) ●
5	12 380 01-S	1	Pin-Regulating, Governor ●
6	52 448 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	2	O-Ring ●
10	24 393 10-S	1	Oil Pump ASM (Includes Ref 11, 12) ●
11	24 153 01-S	1	O-Ring (Oil Pick up) ●
12	24 381 04-S	1	Tube-Pick Up, Oil ●
13	M-631005-S	2	Washer-Flat (6 Mm) ●
14	M-645025-S	2	Screw-Flange, Thread Forming (M6X1.0X25) ●
15	52 050 02-S	1	Filter-Oil ●
16	24 136 01-S	1	Nipple-Filter, Oil ●
17	25 155 02-S	1	Connector-Hose, 90 Deg ●
18	24 099 03-S	1	Switch-Pressure, Oil ●
19	24 086 16-S	9	Screw-HF (M8X1.25X45) ●
20	24 086 17-S	1	Screw-Flange (M8X1.25X45) ●

● Obtain parts from www.kohlerplus.com



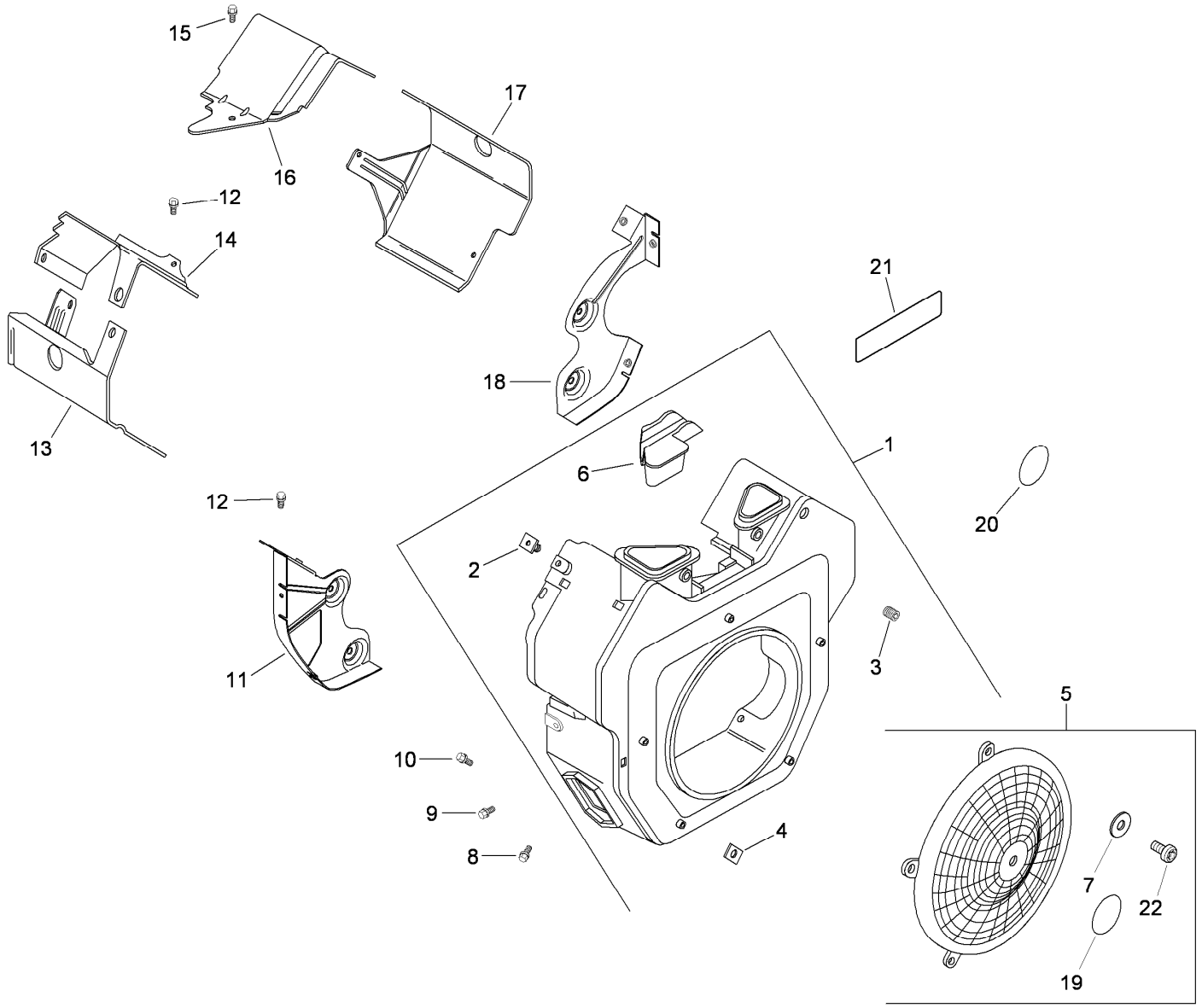
Ignition and Electrical Assembly
Kohler CH23S-76549

Ref.	Part Number	Qty.	Description
1	54 755 09-S	1	15 Amp Stator Kit (Includes Ref 2) ■
2	24 126 71-S	1	Bracket-Wire, Stator ■
3	M-548025-S	2	Screw-Thread Forming (M5X0.8X25) ■
4	24 584 01-S	2	Module-Ignition ■
5	M-545020-S	4	Screw-Flange, Thread Forming (M5X.8X20) ■
6	24 025 01-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	24 157 07-S	1	Fan ■
11	25 086 47-S	4	Bolt-Shoulder (M6X1.0X16) ■
12	24 086 18-S	2	Screw-Phl HD (11-16X.88) ■
13	X-25-92-S	2	Washer-Flat (.188) ■

Ref.	Part Number	Qty.	Description
14	25 403 03-S	1	Rectifier-Regulator, 15 Amp ■
15	236602-S	1	Connector (3 Contact) ■
16	25 086 91-S	2	Screw-Wsh HD Tap (8-18X.50) ■
17	235173-S	1	Clip-Cable (B+ Lead) ■
18	X-25-63-S	1	Washer-Flat (1/4) ■
19	48 154 02-S	1	Clip-Cable (Clamps Wires To Intake Manifold) ■
20	12 132 06-S	2	Spark Plug ■
21	X-22-11-S	1	Washer-Lock, Internal Tooth (1/4) ■
22	25 454 03-S	2	Tie-Wire ■
	24 176 08-S	1	Harness-Wiring ■ ●
	24 518 12-S	1	Lead-Black (5-12 Insulated Grip Barrel Eyelet Terminals) ■ ●

● Not illustrated

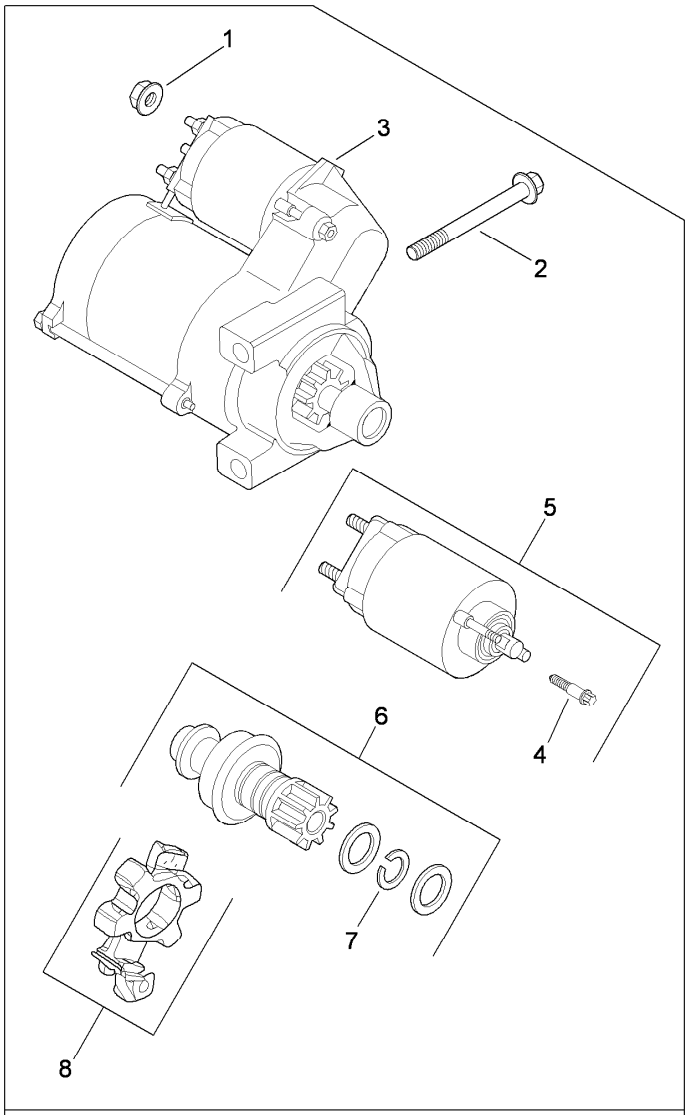
■ Obtain parts from www.kohlerplus.com



Blower Housing Assembly
Kohler CH23S-76549

Ref.	Part Number	Qty.	Description
1	24 027 196-S	1	Blower Housing ASM (Includes Ref 2-4, 6) ●
2	24 100 02-S	2	Nut-Plastic ●
3	25 086 43-S	1	Screw-Set (10-24X.25) ●
4	24 100 01-S	3	Nut-Plastic ●
5	24 755 81-S	1	Fixed Guard Kit (Includes Ref 7, 19, 22) ●
6	24 096 85-S	1	Cover-Housing, Blower ●
7	24 332 01-S	5	Insert-Threaded ●
8	M-551016-S	1	Screw-Hex Flange, Heavy (M5X0.8X16) ●
9	M-545016-S	3	Screw-Flange, Thread Forming (M5X0.8X16) ●
10	M-545020-S	4	Screw-Flange, Thread Forming (M5X.8X20) ●
11	24 146 16-S	1	Plate-Backing (No. 2 Side) ●
12	M-645016-S	10	Screw-Flange, Thread Forming (M6X1.0X16) ●
13	24 063 20-S	1	Baffle-Barrel, Cylinder (No. 2 Side) ●
14	24 063 17-S	1	Baffle-Valley (No. 2 Side) ●
15	M-545010-S	2	Screw-HHFTF (M5X.80X10) ●
16	24 063 59-S	1	Baffle-Valley (No. 1 Side) ●
17	24 063 58-S	1	Baffle-Barrel, Cylinder (No. 1 Side) ●
18	24 146 20-S	1	Plate-Backing (No. 1 Side) ●
19	24 113 18-S	1	Decal-Screen, Grass ●
20	25 113 24-S	1	Decal-Screen, Grass ●
21	24 113 96-S	1	Decal-22Hp ●
22	25 086 160-S	5	Screw-Sems ●

● Obtain parts from www.kohlerplus.com

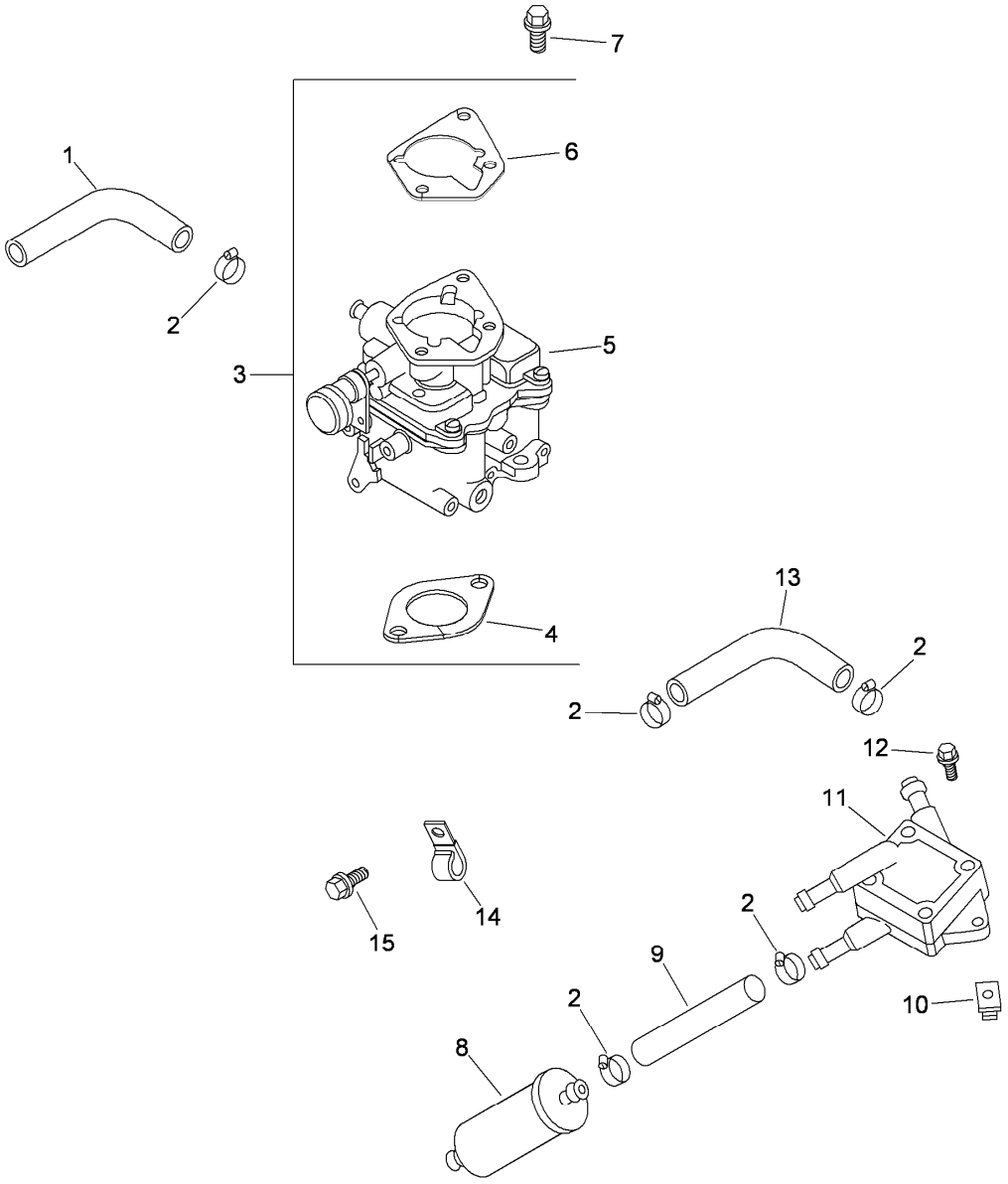


25 098 09-S (Delco)

Starter Assembly
Kohler CH23S-76549

Ref.	*Part Number*	*Qty.*	*Description*
1	M-841080-S	1	Nut-Flange (M8X1.25) ●
2	M-839080-S	2	Screw-Flg (M8X1.25X80) ●
3	25 098 09-S	1	Starter ASM (Solenoid Shift) (Includes Ref 4-8) ●
4	25 086 113	3	Screw-External Torx Head ●
5	25 435 05-S	1	Solenoid Kit (Includes Ref 4) ●
6	25 755 33-S	1	Pinion Drive Kit (Includes Ref 7) ●
7	25 141 05-S	1	Ring-Retaining ●
8	25 221 01-S	1	Brush Holder Kit ●

● Obtain parts from www.kohlerplus.com



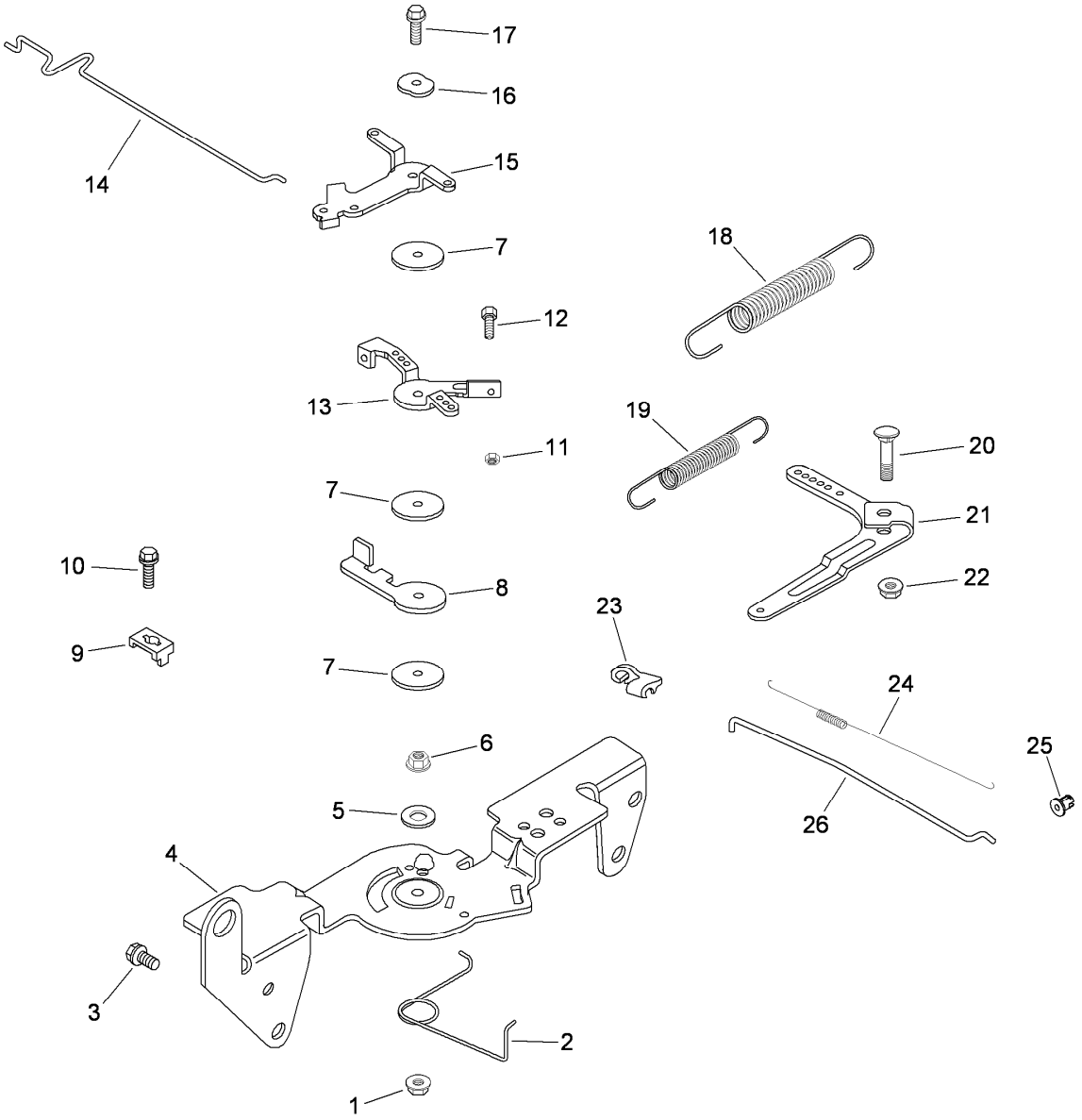
Fuel System Assembly
Kohler CH23S-76549

Ref.	Part Number	Qty.	Description
1	25 353 32-S	1	Line-Fuel (9.5) ■
2	25 237 14-S	6	Clamp-Hose, Spring (1/2) ■
3	24 853 59-S	1	Carburetor Kit (Includes Ref 4-6) ■
4	24 041 17-S	1	Gasket-Carburetor ■
5	24 053 59	1	Carburetor ASM ■
6	24 041 06-S	1	Gasket-Base, Air Cleaner ■
7	M-651030-S	2	Screw-Flange (M6X1.0X30) ■
8	24 050 02-S	1	Filter-Fuel ■
9	25 353 15-S	1	Line-Fuel (3.5) ■
10	24 100 01-S	2	Nut-Plastic ■

Ref.	Part Number	Qty.	Description
11	24 393 16-S	1	Pump-Fuel ■
12	24 086 12-S	2	Screw-TAP (M6X1.7X18) ■
13	24 353 02-S	1	Line-Fuel, Flexible (15.5) ■
14	M-650012-S	1	Screw-HF (M6X1.0X12) ■
15	47 154 01-S	1	Clip-Cable ■
	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 ■ ●
	24 757 125-S	1	High Altitude Kit With Gaskets ■ ●

● Not illustrated

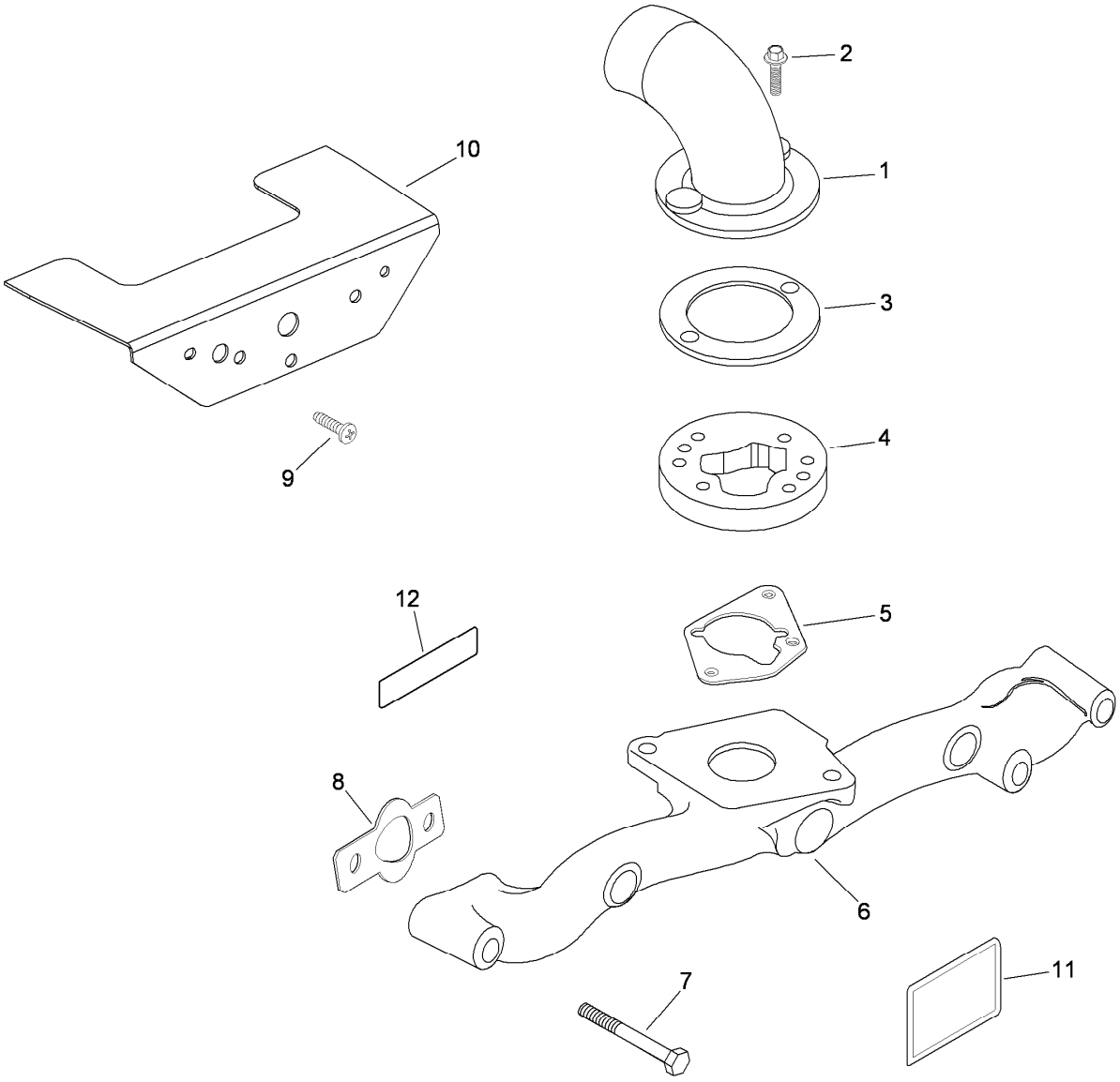
■ Obtain parts from www.kohlerplus.com



Engine Control Assembly
Kohler CH23S-76549

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-645016-S	4	Screw-Flange, Thread Forming (M6X1.0X16) ●
4	24 126 56-S	1	Bracket-Control ●
5	X-20-1-S	1	Washer-Lock (.25) ●
6	M-541050-S	1	Nut-HF (M5X0.8) ●
7	24 468 01-S	3	Washer-Flat (5.5Mm) ●
8	24 090 07-S	1	Lever-Actuator, Throttle ●
9	12 237 01-S	2	Clamp-Cable ●
10	M-545016-S	3	Screw-Flange, Thread Forming (M5X0.8X16) ●
11	M-446030-S	1	Nut (M4X0.7) ●
12	M-401030-S	1	Screw (M4X0.7X30) ●
13	24 090 03-S	1	Lever-Control, Throttle ●
14	24 079 21-S	1	Linkage-Choke ●
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 46-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 ●

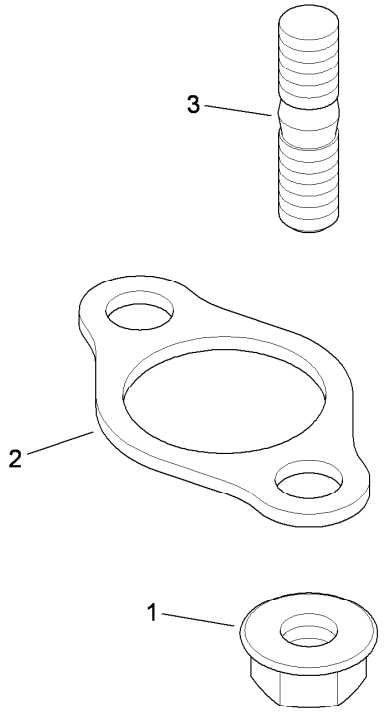
● Obtain parts from www.kohlerplus.com



Air Intake and Filtration Assembly
Kohler CH23S-76549

Ref.	*Part Number*	*Qty.*	*Description*
1	24 029 21-S	1	Adapter-Cleaner, Air ●
2	M-639016-S	6	Screw-HF (M6X1.0X16) ●
3	24 041 34-S	1	Gasket-Adapter ●
4	24 029 31-S	1	Adapter ●
5	24 041 06-S	1	Gasket-Base, Air Cleaner ●
6	24 164 14-S	1	Manifold-Intake ●
7	25 086 84-S	4	Screw-HF (M6X1.0X55) ●
8	24 041 01-S	2	Gasket-Manifold, Intake ●
9	24 086 06-S	2	Screw-PPH (11-16X3/4) ●
10	24 314 25-S	1	Shield-Debris ●
11	25 113 27-S	1	Decal-Cleaner, Air ●
12	24 146 25-S	1	Decal-22Hp ●

● Obtain parts from www.kohlerplus.com



Exhaust Assembly
Kohler CH23S-76549

Ref.	*Part Number*	*Qty.*	*Description*
1	M-841080-S	4	Nut-Flange (M8X1.25) ■
2	24 041 49-S	2	Gasket-Exhaust ■
3	25 072 04-S	4	Stud (M8X1.25X33) ■

● Not illustrated

■ Obtain parts from www.kohlerplus.com

Notes:

Notes:



Count on it.