Form Number 3352-366 Rev C

Dingo® 220 Compact Utility Loader

Model No. 22317 - 250000001 and up.

Parts Catalog

Ordering Replacement Parts

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers

Each Identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustrations and in part lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

© The Toro Company - 2005
All Rights Reserved

Register your product at www.Toro.com

Contents

Description	Page
Frame and Loader Arm Assembly	3
Front Wheel Assembly	4
Rear Wheel Assembly	5
Hydraulic Motor Assembly No. 99-3052	6
Engine Assembly	7
Hydraulic Motor Assembly No. 108-4710	8
Hydraulic Assembly	9
Hydraulic Valve Assembly	10
Hydraulic Valve Assembly No. 99-3077	11
Hydraulic Selector Valve Assembly No. 99-3072	12
Hydraulic Traction Assembly	13
Hydraulic Valve Assembly No. 105-6246	15
Hydraulic Cylinder Assembly	16
Hydraulic Cylinder Assembly No. 105-7867	17
Electrical Assembly	18
Crankshaft Assembly Kohler CH20S 64733	19
Crankcase Assembly Kohler CH20S 64733	20
Oil Pan and Lubrication Assembly Kohler CH20S 64733	21
Head, Valve, and Breather Assembly Kohler CH20S 64733	22
Ignition and Electrical Assembly Kohler CH20S 64733	23
Blower Housing and Baffle Assembly Kohler CH20S 64733	24
Starting System Assembly Kohler CH20S 64733	25
Fuel System Assembly Kohler CH20S 64733	26
Engine Control Assembly Kohler CH20S 64733	27
Air Intake and Filtration Assembly Kohler CH20S 64733	28
Exhaust Assembly Kohler CH20S 64733	29
Attachments and Accessories List	30

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

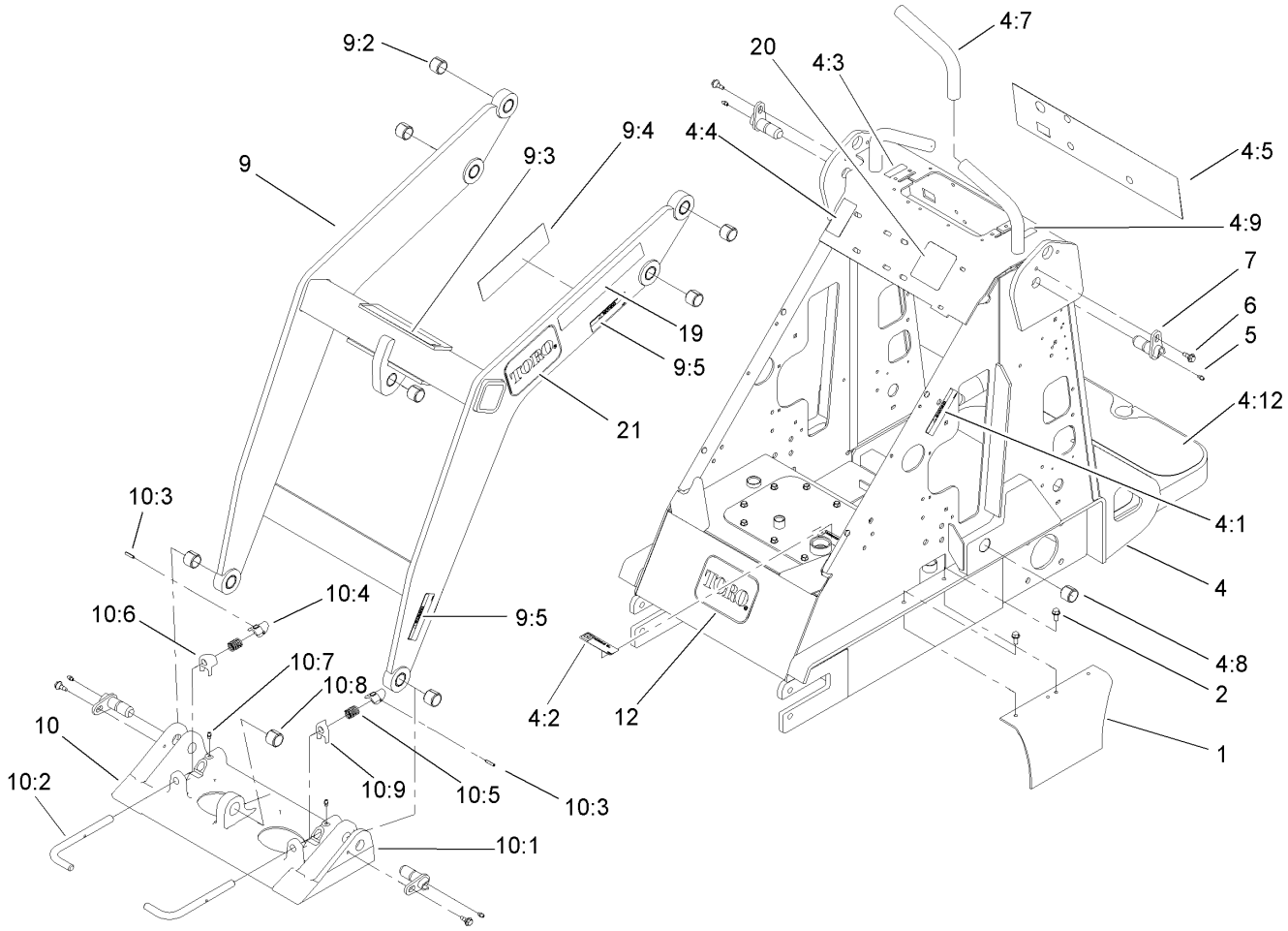
AR	as required
ASM	assembly
BBC	blade brake clutch
CARR	carriage
DEG	degrees
EXT	external
FH	flat head
GA	gauge
HF	hex flange
HH	hex head
HHF	hex head flange
HHFTF	hex head flange thread forming
HJ	hex jam
HLH	hex lag head
HOC	height-of-cut
HSBH	hex socket button head
HSFH	hex socket flat head
HSH	hex socket head
HWH	hex washer head
HWHTF	hex washer head thread forming
HYD	hydraulic
INC	incorporated
LH	left hand
NI	nylon insert
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
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

Footnotes

❶ Not illustrated

❷ Not serviced separately

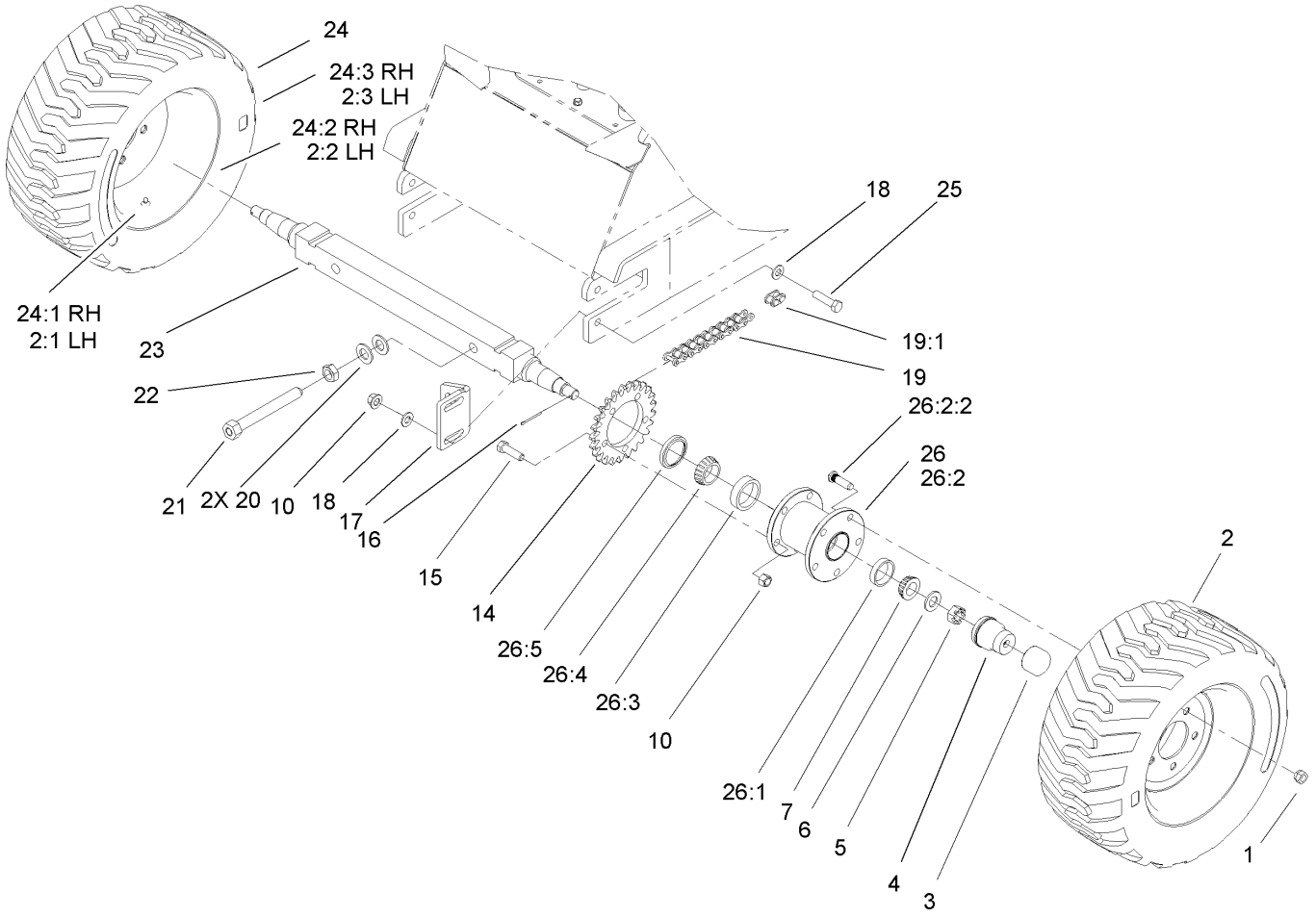
❸ Obtain from your local Kohler dealer



Frame and Loader Arm Assembly

Ref	Part No.	Qty.	Description
1	98-4669-01	2	Cover-Chain
2	32144-70	4	Screw-HH
4	108-9700	1	Frame ASM
4:1	100-6141	2	Decal-Pinch
4:2	105-8432	1	Decal-Oil, HYD
4:3	94-2551	1	Decal-Choke
4:4	98-4677	1	Decal-Power, Auxiliary
4:5	108-4727	1	Decal-Panel, Control
4:7	98-4845	2	Grip-Cushion
4:8	98-4871	2	Bushing-Tension
4:9	98-8219	1	Decal-Throttle
4:12	98-9947	2	Tread-Foot
5	302-5	4	Fitting-Grease
6	99-5105	4	Bolt-Shoulder
7	99-1414	4	Pin-Pivot
9	106-8155	1	Loader ASM
9:2	98-4871	7	Bushing-Tension
9:3	98-4682	1	Decal-Caution
9:4	98-9051	1	Decal-Danger
9:5	100-6141	4	Decal-Pinch
10	105-8364	1	Quick Attach ASM
10:1	105-0245-03	1	Mount-Attach, Quick
10:2	105-8367	2	Pin-Locking
10:3	3285-1	2	Pin-Grooved

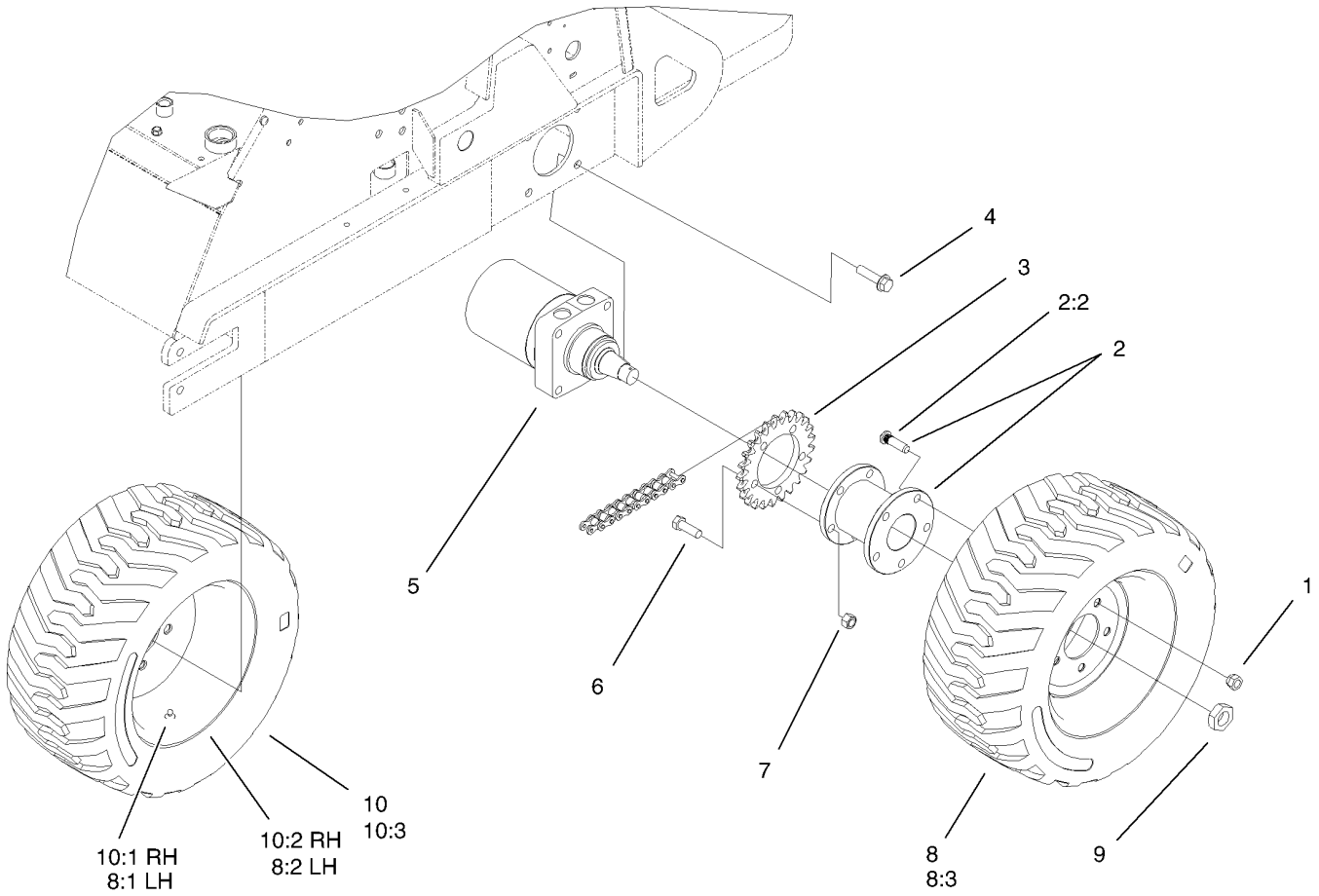
Ref	Part No.	Qty.	Description
10:4	105-0246	2	Cam
10:5	98-4694	2	Spring-Compression
10:6	104-5909	1	Stop-RH
10:7	302-5	2	Fitting-Grease
10:8	98-4871	1	Bushing-Tension
10:9	104-5903	1	Stop-LH
12	62-5550	1	Decal
19	105-8426	2	Decal
20	108-9716	1	Decal-Selector, Speed
21	93-7340	2	Decal



Front Wheel Assembly

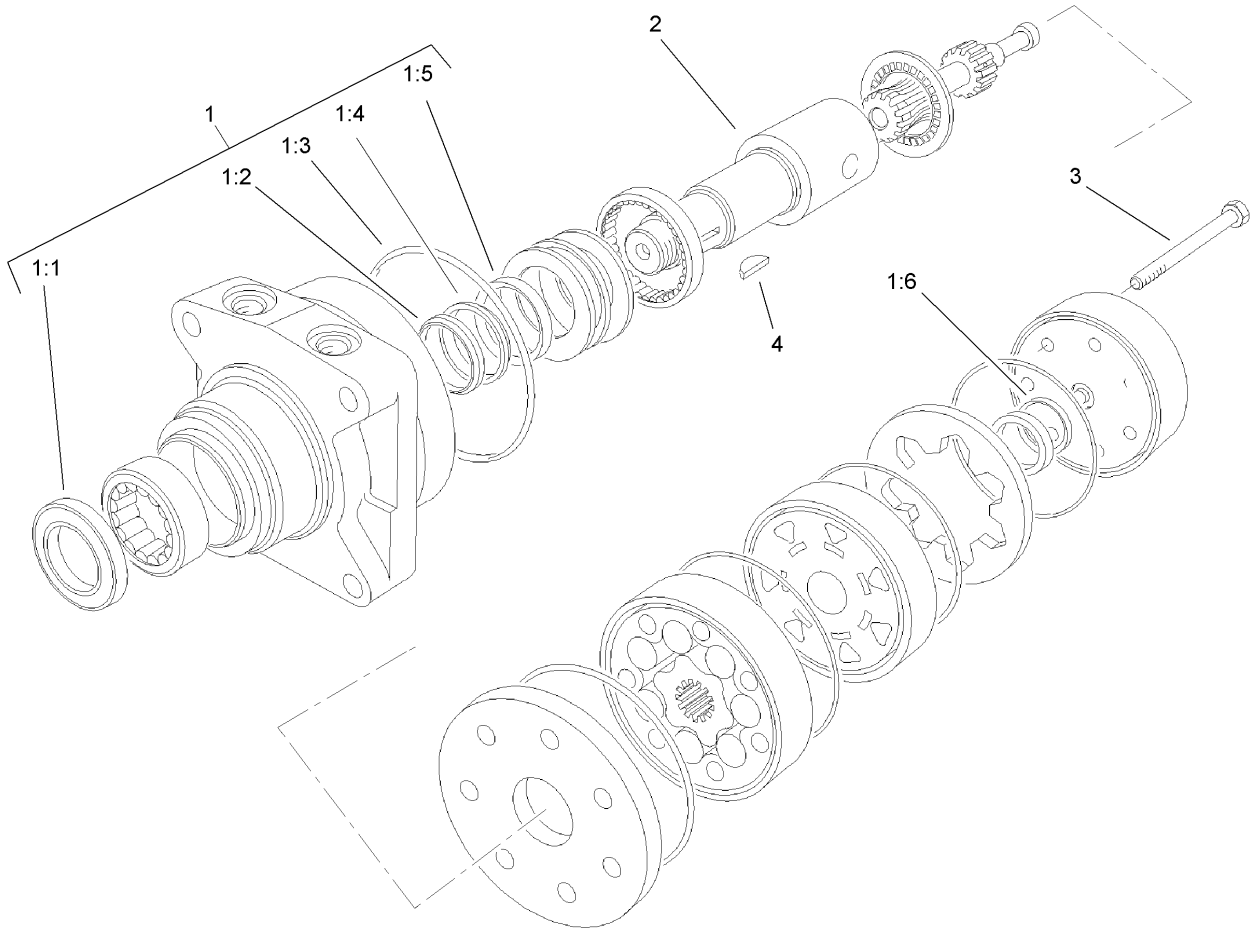
Ref	Part No.	Qty.	Description
1	242-50	10	Nut-Lug
2	98-2747	1	LH Wheel And Tire ASM
2:1	232-27	1	Stem-Valve
2:2	98-2748	1	Wheel
2:3	98-2749	1	Tire
3	100-3809	2	Cap-Protector, Bearing
4	100-3769	2	Protector-Bearing
5	32136-5	2	Nut-Hex, Slotted
6	3256-28	2	Washer-Flat
7	254-94	2	Bearing-Cone, Tapered
10	3296-23	14	Nut-Lock, NI
14	98-9937	2	Sprocket-25T
15	325-7	10	Screw-HH
16	3272-12	2	Pin-Cotter
17	99-5106-03	2	Bracket-Axle
18	3256-26	8	Washer-Flat
19	98-4906	2	Chain-Roller
19:1	98-9089	1	Link-Connecting
20	3256-28	4	Washer-Flat
21	98-4706	2	Bolt-Tension
22	3217-12	2	Nut-Hex
23	98-4825	1	Axle
24	99-1447	1	RH Wheel And Tire ASM
24:1	232-27	1	Stem-Valve

Ref	Part No.	Qty.	Description
24:2	98-2748	1	Wheel
24:3	98-2749	1	Tire
25	325-8	4	Screw-HH
❷26		2	Hub-Front
26:1	254-72	1	Bearing-Cup, Tapered
26:2	100-9989	1	Front Hub ASM
26:2:2	10-6830	5	Stud-Type, Drive
26:3	254-107	1	Cup-Bearing, Tapered
26:4	254-106	1	Cone-Bearing, Tapered
26:5	98-4705	1	Seal-Bearing, Wheel



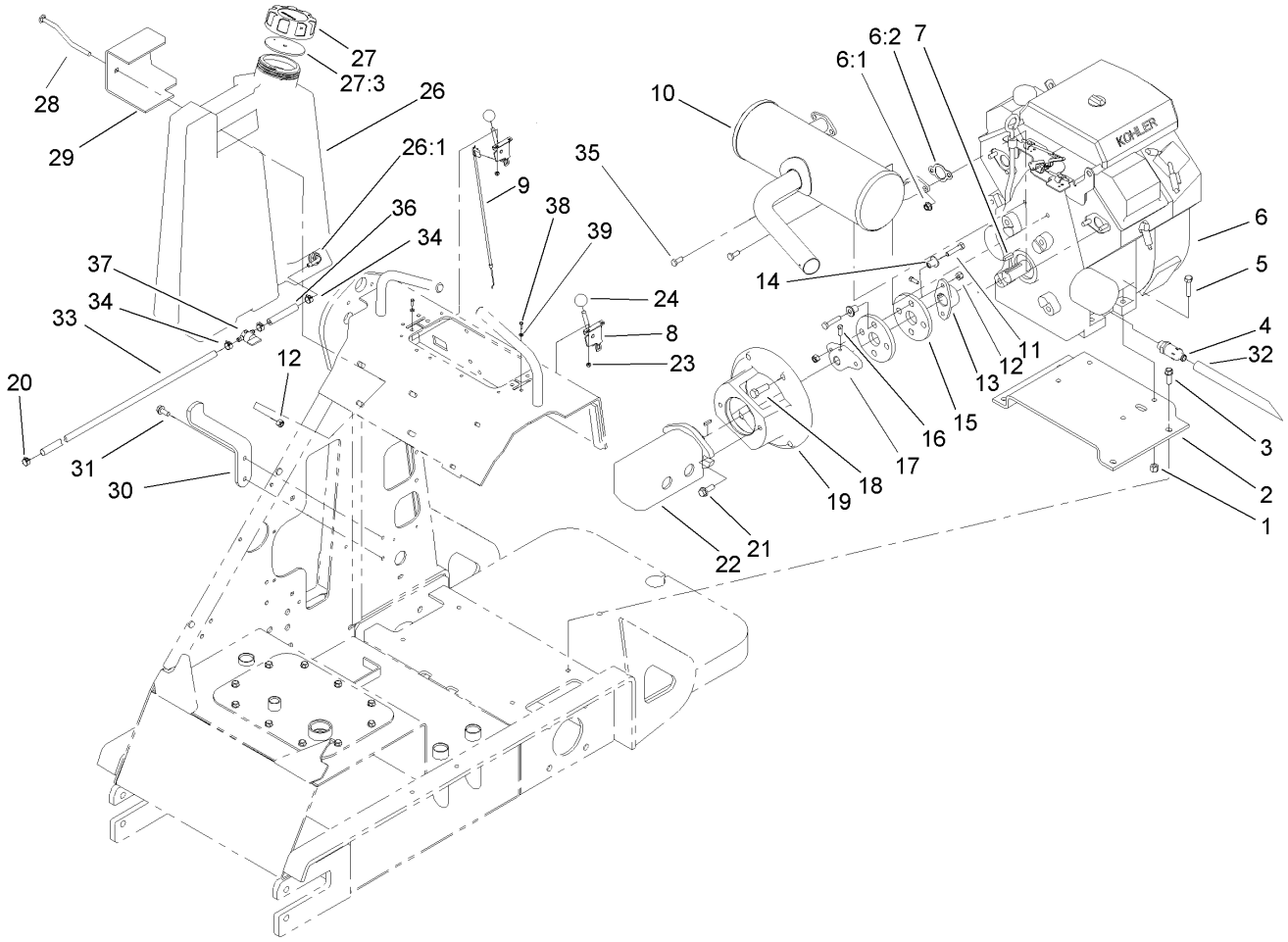
Rear Wheel Assembly

Ref	Part No.	Qty.	Description
1	242-50	10	Nut-Lug
2	100-9990	2	Rear Hub ASM
2:2	10-6830	5	Stud-Type, Drive
3	98-9937	2	Sprocket-25T
4	3234-27	8	Screw-Flange
5	99-3052	2	HYD Motor ASM
6	325-7	10	Screw-HH
7	3296-23	10	Nut-Lock, NI
8	98-2747	1	LH Wheel And Tire ASM
8:1	232-27	1	Stem-Valve
8:2	98-2748	1	Wheel
8:3	98-2749	1	Tire
9	106-8159	2	Nut-Lock
10	99-1447	1	RH Wheel And Tire ASM
10:1	232-27	1	Stem-Valve
10:2	98-2748	1	Wheel
10:3	98-2749	1	Tire



Hydraulic Motor Assembly No. 99-3052

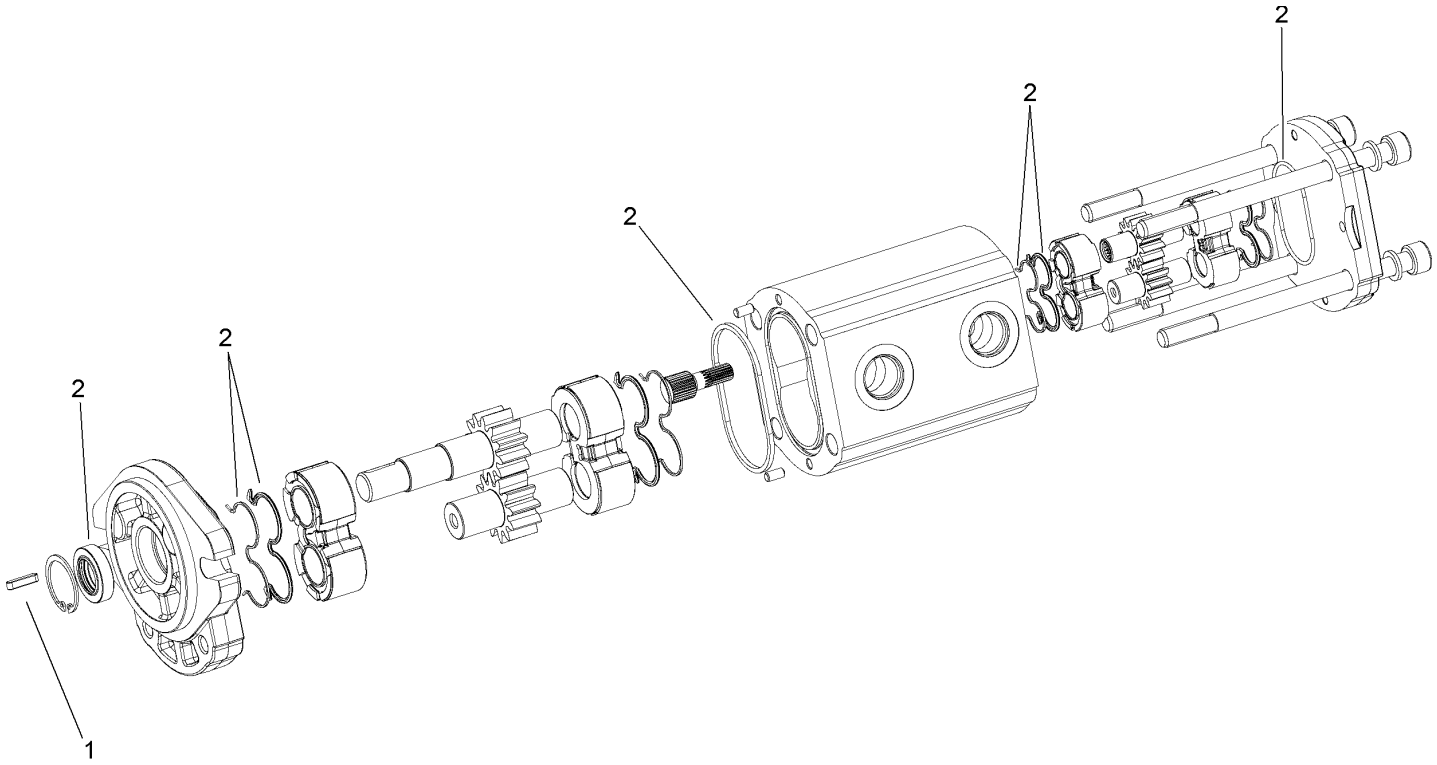
Ref	Part No.	Qty.	Description
1	94-8178	1	Seal Kit
❷1:1		1	Seal-Dirt & Water
❷1:2		1	Washer-Backup
❷1:3		5	Seal-Ring
❷1:4		1	Washer-Backup
❷1:5		1	Seal-Inner
❷1:6		1	Seal-Commutator
2	99-3090	1	Shaft-Coupling
3	99-3091	7	Screw-Cap, HH
4	3257-42	1	Key-Woodruff



Engine Assembly

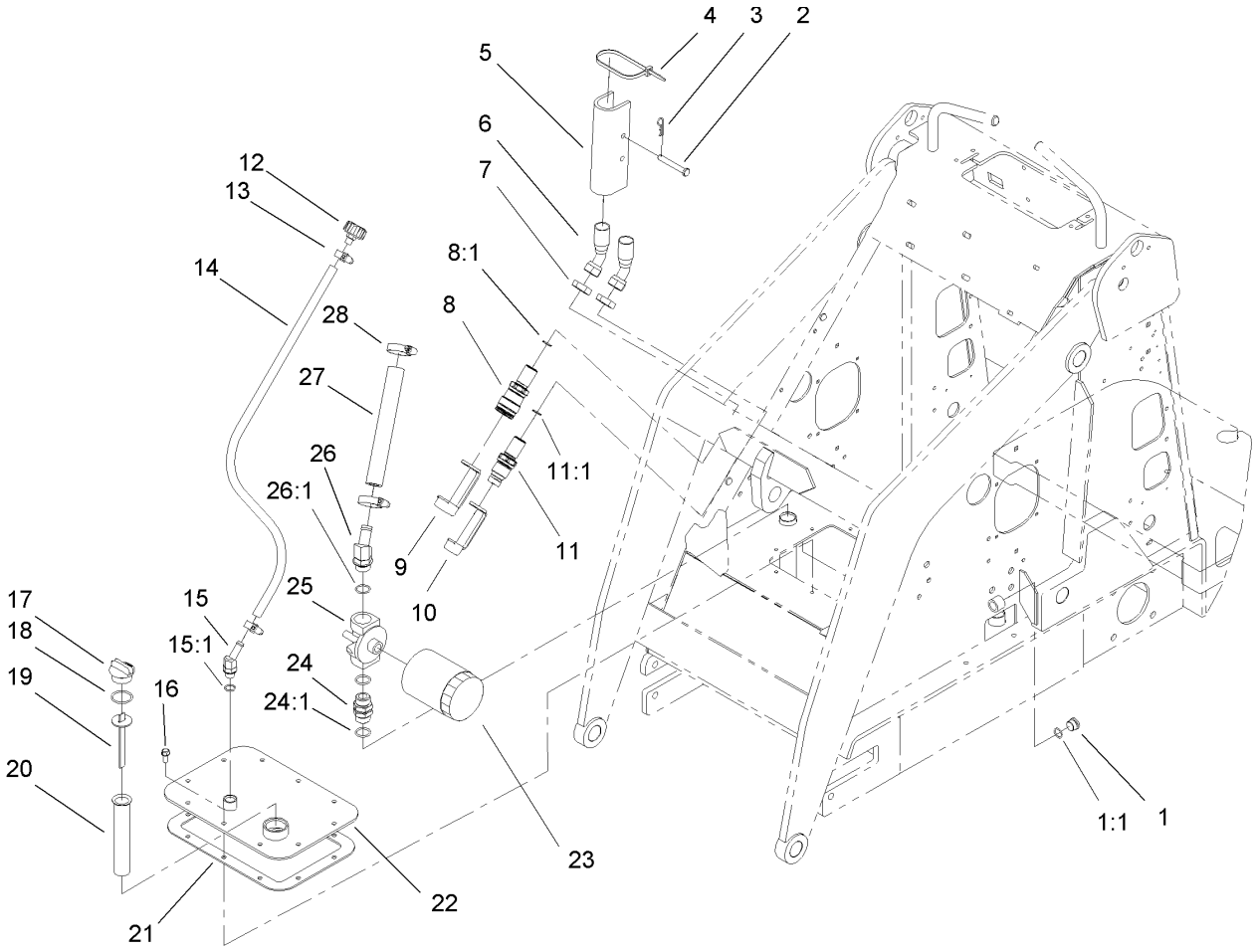
Ref	Part No.	Qty.	Description
1	3296-39	4	Nut-Lock, NI
2	98-4666-03	1	Mount-Engine
3	95-1726	4	Screw-Taptite
4	92-6877	1	Valve-Drain, Oil
5	323-9	4	Screw-HH
❷❸6		1	Engine-Kohler, Ch20S 64733
6:1	92-6780	4	Nut-HF
6:2	93-0350	2	Gasket-Exhaust
7	10-7070	1	Key-Square
8	108-9730	2	Control Lever ASM
9	108-4718	2	Cable-Control
10	105-8381	1	Muffler
11	322-7	4	Screw-HH
12	3296-29	5	Nut-Lock, NI
13	27-1960	1	Hub-Engine
14	71-4411	4	Spacer
15	44-2230	2	Coupling-Rubber
16	3241-6	4	Screw-SQH
17	98-4701	1	Hub-Pump
18	324-6	4	Screw-HH
19	98-2751-03	1	Mount-Pump
20	2412-98	1	Clamp
21	66-9300	2	Screw-HF
22	108-4710	1	HYD Pump ASM

Ref	Part No.	Qty.	Description
23	32149-7	4	Nut-Keps
24	233-42	2	Knob
26	105-8440	1	RH Fuel Tank ASM
26:1	103-2605	1	Fitting-Fuel, Bulkhead
27	104-7418	1	Cap-Fuel, Gas
27:3	104-7420	1	Gasket-Vented
28	98-4657	1	Bolt-Mount
29	98-4655-03	1	Plate-Mount
30	98-4656-03	1	Mount-Bottom, Tank
31	32144-70	2	Screw-HH
32	98-4667	1	Hose-Drain, Oil
33	63-7721	1	Hose-Fuel
34	92-2379	3	Clamp-Hose
35	33114-020	2	Screw-HH
36	99-5101	1	Hose-Fuel
37	1-603770	1	Valve-Fuel
38	3290-134	4	Screw
39	3256-51	4	Washer-Flat



Hydraulic Motor Assembly No. 108-4710

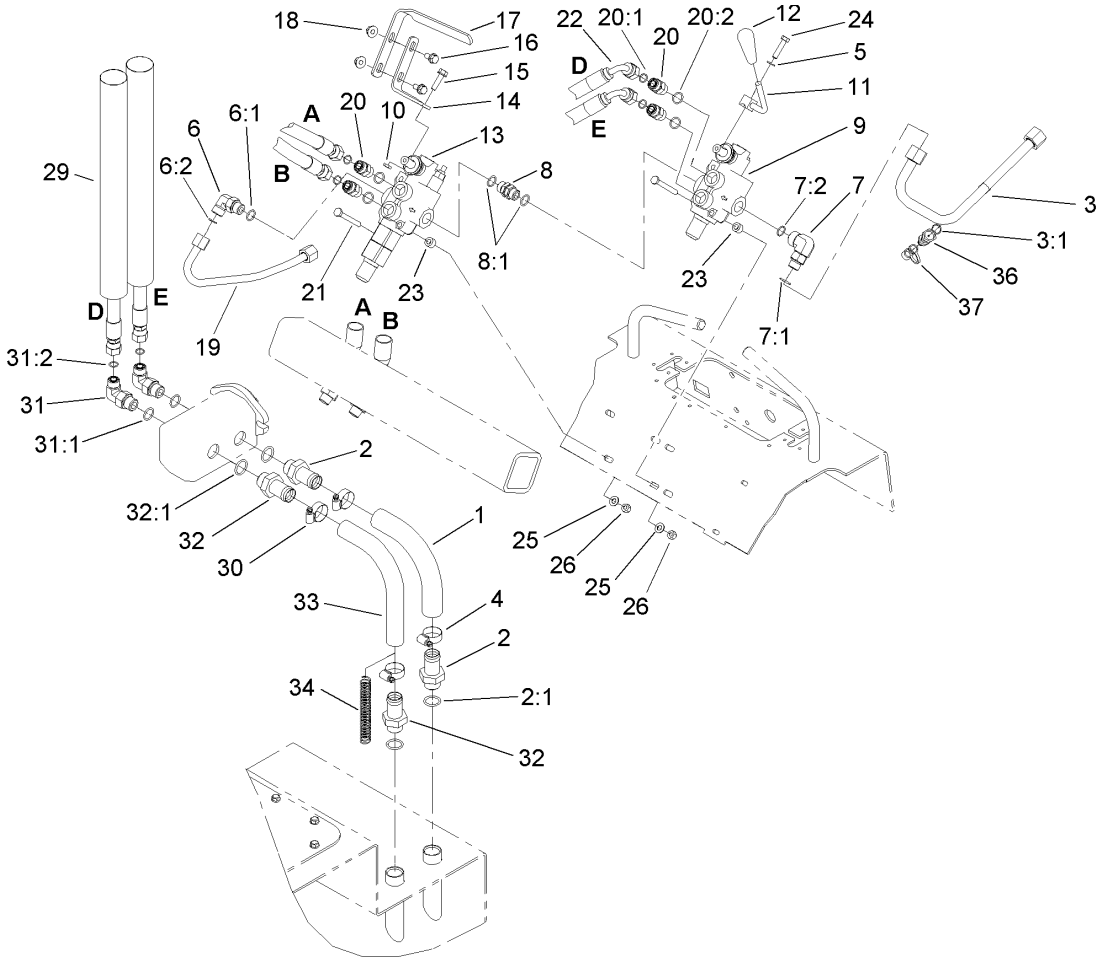
Ref	Part No.	Qty.	Description
1	98-4700	1	Key-Square
2	99-1353	1	Seal Kit



Hydraulic Assembly

Ref	Part No.	Qty.	Description
1	353-988	1	Plug-Hex
1:1	237-79	1	O-Ring
2	283-52	2	Pin-Clevis
3	3290-467	2	Pin-Hair
4	3290-379	9	Tie-Cable
5	98-4675-01	2	Lock-Cylinder
6	100-8817	2	HYD Hose ASM
7	340-74	2	Locknut-Bulkhead
8	105-8394	1	Bulkhead Coupler ASM
8:1	237-65	1	O-Ring
❶8:2	105-8396	1	Seal Kit
9	100-8816	1	Cap-Dust, Coupler
10	100-8815	1	Cap-Dust, Nipple
11	105-8395	1	Bulkhead Nipple ASM
11:1	237-65	1	O-Ring
❶11:2	100-6120	1	Seal Kit
12	68-6150	1	Breather
13	2412-36	2	Clamp-Hose
14	98-2708	1	Hose-Vent
15	354-126	1	Fitting-HYD, 45 DEG
15:1	237-79	1	O-Ring
16	98-9940	10	Screw
17	93-7498	1	Plug-Plastic
18	237-123	1	O-Ring

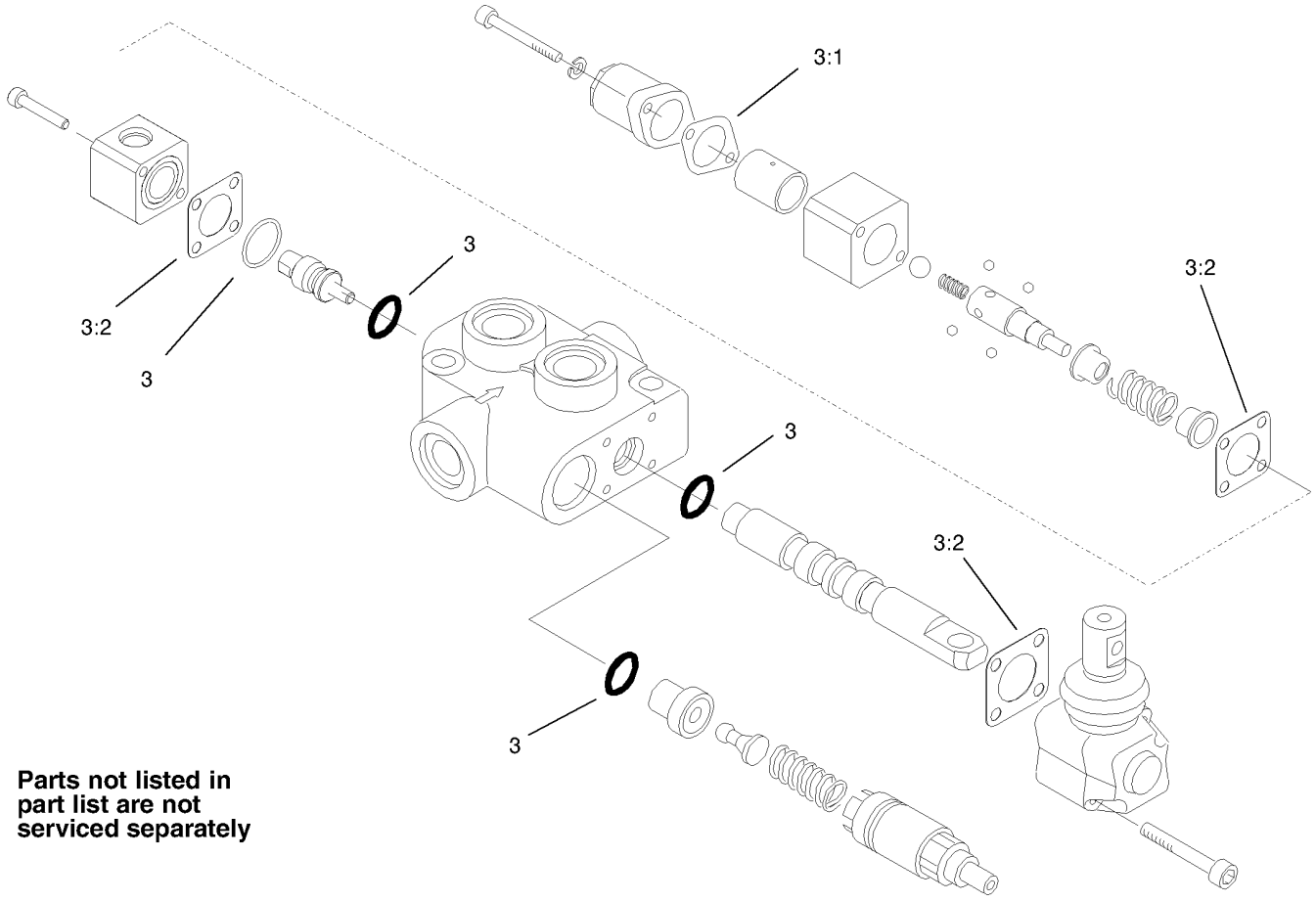
Ref	Part No.	Qty.	Description
19	100-2097	1	Dipstick-Oil
20	61-2790	1	Filter-Screen
21	98-9927	1	Gasket-Cover
22	98-2709	1	Cover
23	54-0110	1	Filter-Oil, Transmission
24	98-9906	1	Fitting-Thread, Straight
24:1	237-81	2	O-Ring
25	92-5821	1	Filter Head ASM
26	354-127	1	Elbow-45 DEG
26:1	237-81	1	O-Ring
27	98-2713	1	Hose-Suction, HYD
28	2412-129	2	Clamp-Hose



Hydraulic Valve Assembly

Ref	Part No.	Qty.	Description
1	99-3046	1	Hose-Suction, Formed
2	99-3017	2	Fitting
2:1	237-81	1	O-Ring
3	108-4716	1	HYD Tube ASM
3:1	237-22	1	O-Ring
4	2412-129	2	Clamp-Hose
5	3253-4	1	Washer-Lock
6	340-98	1	Fitting-HYD, 90 DEG
6:1	237-79	1	O-Ring
6:2	237-30	1	O-Ring
7	340-153	1	Fitting-Elbow, 90 DEG
7:1	237-79	1	O-Ring
7:2	237-151	1	O-Ring
8	95-3209	1	Fitting-Thread, Straight
8:1	237-79	2	O-Ring
9	99-3072	1	Valve-Selector
10	33014-00	1	Nut-Hex
11	108-9709-03	1	Lever-Control
12	98-0152	1	Knob-Tapered
13	99-3077	1	Valve-HYD, Auxiliary
14	99-1376	1	Mount-Control
15	33104-030	1	Screw-HHF
16	3234-5	2	Screw-HHF
17	98-9090	1	Grip-Control

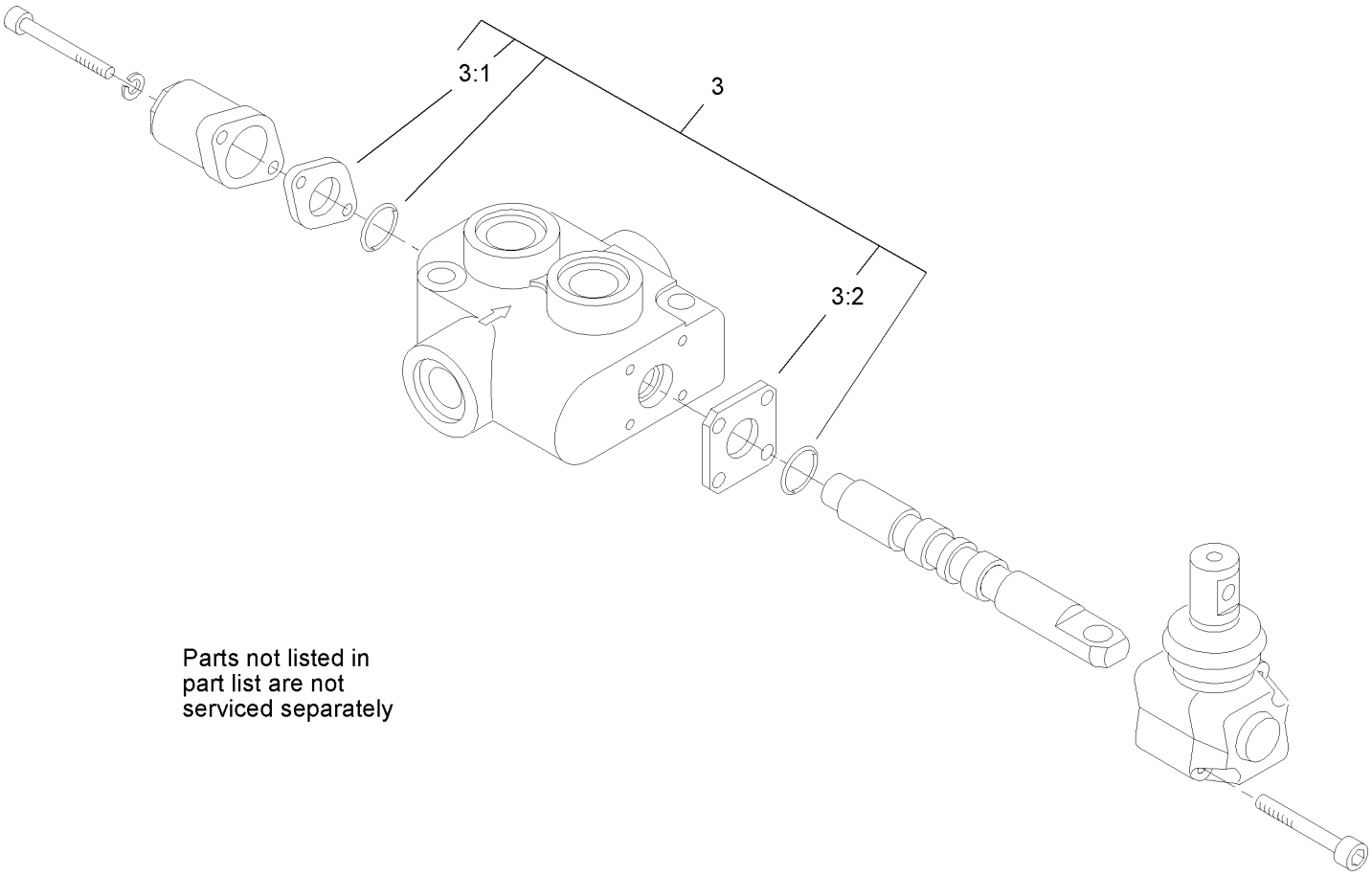
Ref	Part No.	Qty.	Description
18	32128-44	2	Nut
19	105-7879	1	Tube-HYD
20	340-4	4	Fitting-HYD, Straight
20:1	237-30	1	O-Ring
20:2	237-79	1	O-Ring
21	322-13	4	Screw-HH
22	98-4747	2	HYD Hose ASM
23	98-4695	4	Spacer
24	33114-035	1	Screw-HH
25	3256-23	4	Washer-Flat
26	3296-29	4	Nut-Lock, NI
29	100-8818	2	Sleeve-Guard, Hose
30	2412-129	2	Clamp-Hose
31	340-105	2	Fitting-HYD, 90 DEG
31:1	237-80	1	O-Ring
31:2	237-30	1	O-Ring
32	354-73	2	Fitting
32:1	237-81	1	O-Ring
33	98-2713	1	Hose-Suction, HYD
34	99-5349	1	Spring-Compression
36	86-5480	1	Nipple-Test
37	354-79	1	Cap-Dust



Parts not listed in part list are not serviced separately

Hydraulic Valve Assembly No. 99-3077

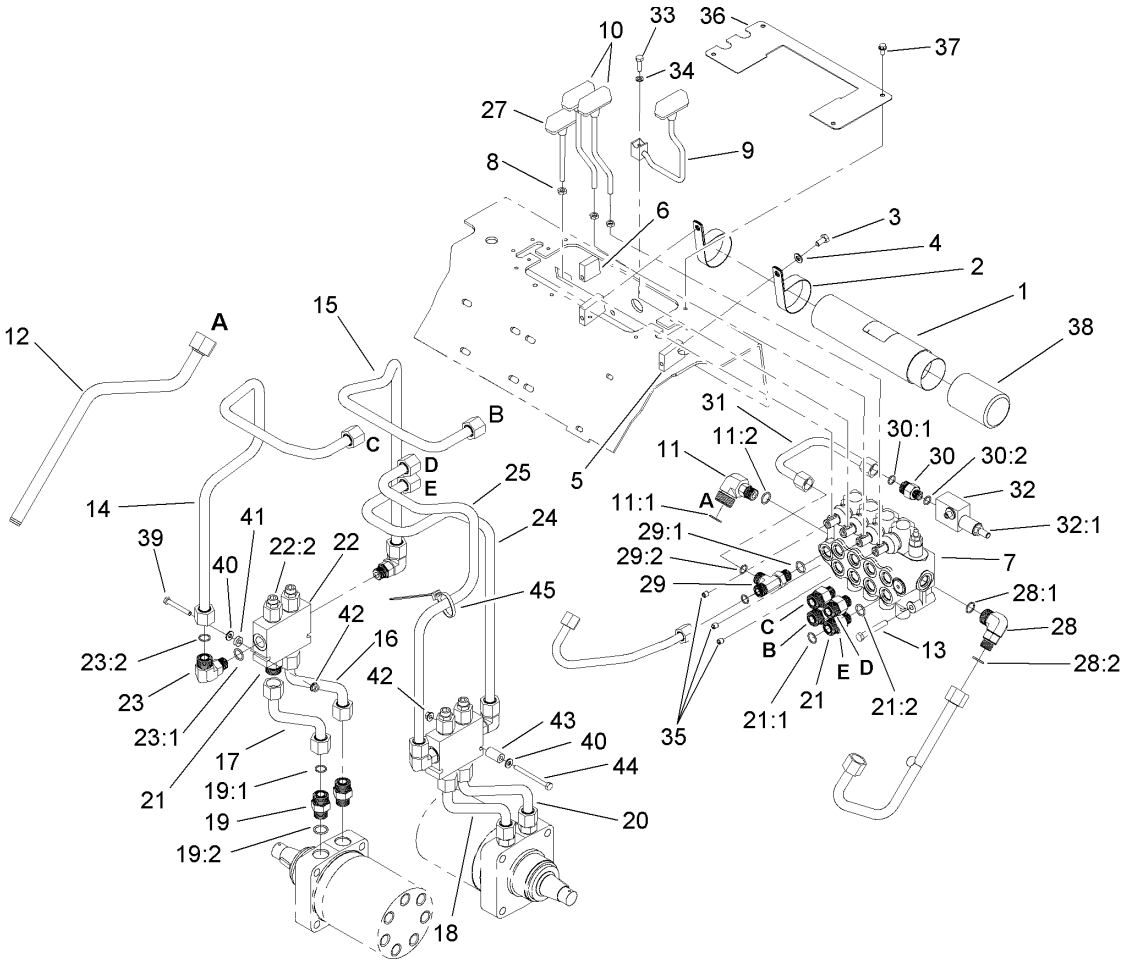
Ref	Part No.	Qty.	Description
3	99-4391	1	Seal Kit
3:1	99-3074	1	Gasket
3:2	99-3075	3	Gasket



Parts not listed in
part list are not
serviced separately

Hydraulic Selector Valve Assembly No. 99-3072

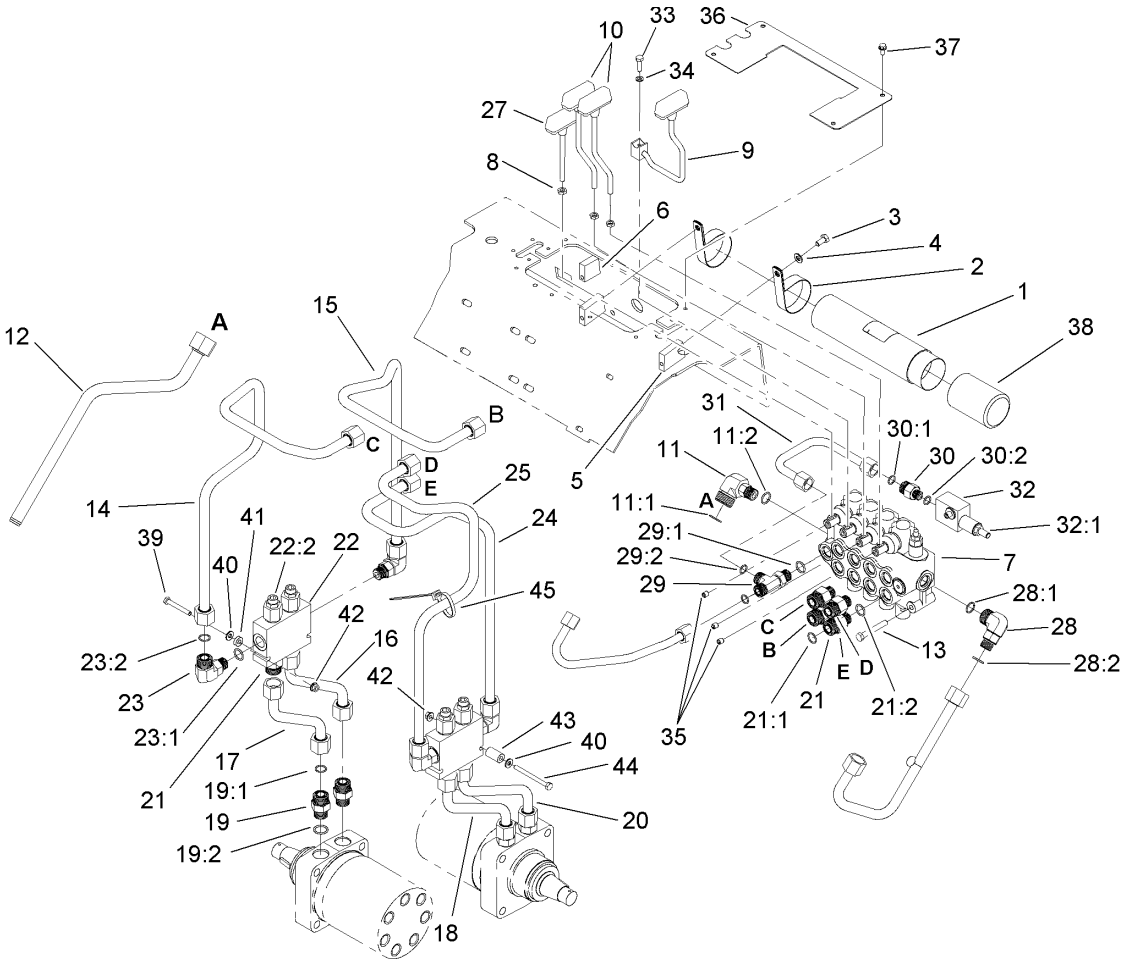
Ref	Part No.	Qty.	Description
3	99-4391	1	Seal Kit
3:1	99-3074	1	Gasket
3:2	99-3075	3	Gasket



Hydraulic Traction Assembly

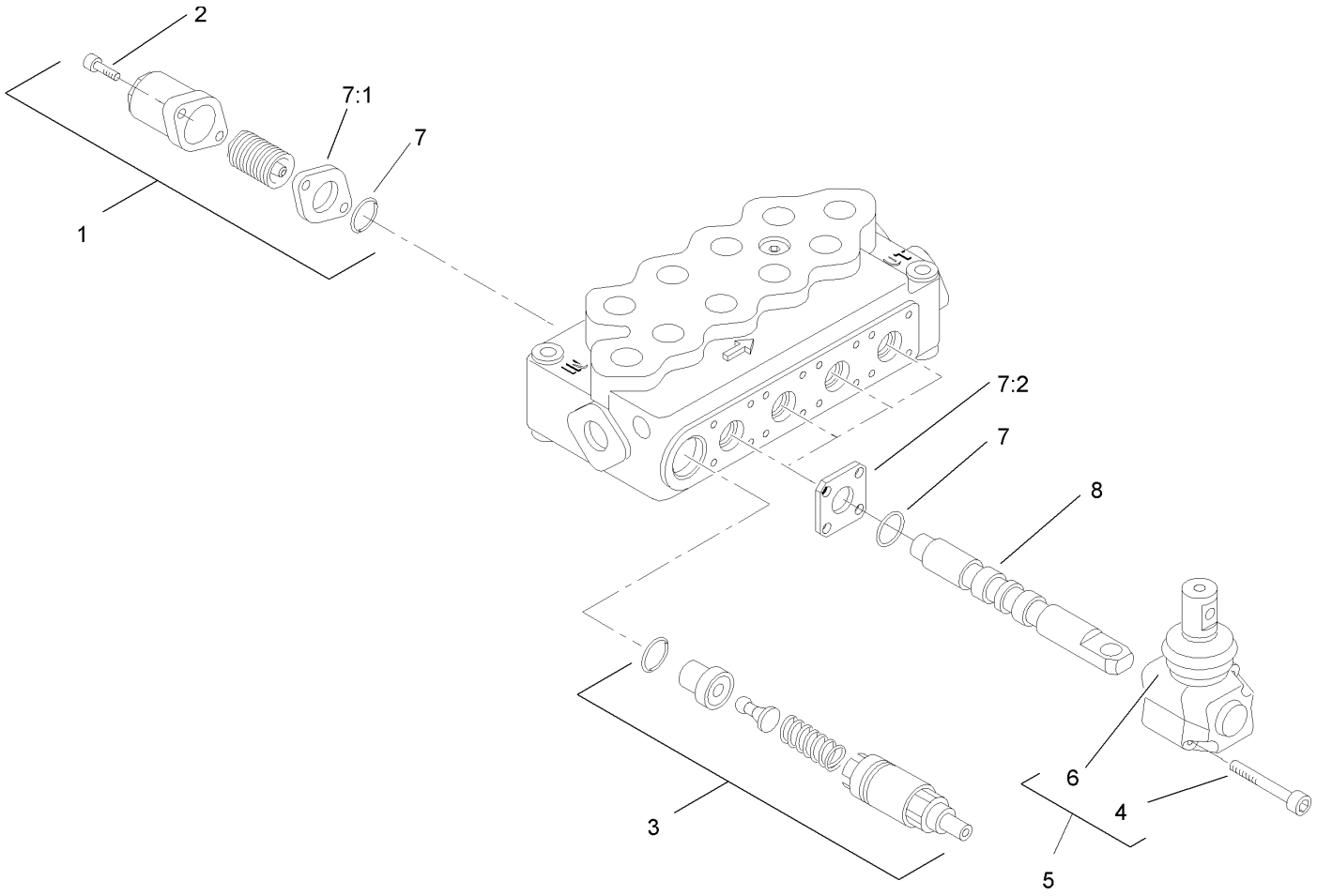
Ref	Part No.	Qty.	Description
1	104-7050	1	Housing-Manual
2	2412-133	2	R-Clamp
3	322-2	3	Screw-HH
4	3256-23	3	Washer-Flat
5	108-4728	2	Spacer
6	105-7870	1	Spacer-Upper
7	105-6246	1	Valve-Four Spool (W/ Relief Port)
8	33014-00	3	Nut-Hex
9	106-8165	1	Control Lever ASM
10	104-5733	2	Drive Lever ASM
11	92-5696	1	Fitting-HYD, 90 DEG
11:1	237-58	1	O-Ring
11:2	237-79	1	O-Ring
12	106-8177	1	Tube-Tank, HYD
13	322-11	3	Screw-HH
14	105-7877	1	Tube-HYD (Right B)
15	105-7876	1	Tube-HYD (Right A)
16	98-4740	1	Tube-HYD
17	98-4741	1	Tube-HYD
18	98-4743	1	Tube-HYD
19	340-7	4	Adapter
19:1	237-65	1	O-Ring
19:2	237-80	1	O-Ring
20	98-4742	1	Tube-HYD

Ref	Part No.	Qty.	Description
21	340-155	8	Fitting-HYD, Straight
21:1	237-79	1	O-Ring
21:2	237-151	1	O-Ring
22	98-9050	2	Valve-Counterbalance
❶22:1	105-4099	1	Seal Kit
22:2	99-3271	2	Valve-Cartridge
23	340-153	4	Fitting-Elbow, 90 DEG
23:1	237-79	1	O-Ring
23:2	237-151	1	O-Ring
24	105-7875	1	Tube-HYD (Left A)
25	105-7874	1	Tube-HYD (Left B)
27	105-7881	1	Cylinder Lever ASM
28	340-153	1	Fitting-Elbow, 90 DEG
28:1	237-79	1	O-Ring
28:2	237-151	1	O-Ring
29	340-109	1	Fitting-HYD, Tee
29:1	237-79	1	O-Ring
29:2	237-30	2	O-Ring
30	340-5	1	Fitting-Straight
30:1	237-42	1	O-Ring
30:2	237-30	1	O-Ring
31	108-4717	1	HYD Tube ASM
32	105-7882	1	Relief Valve ASM
32:1	105-8358	1	Cartridge-Valve, Relief



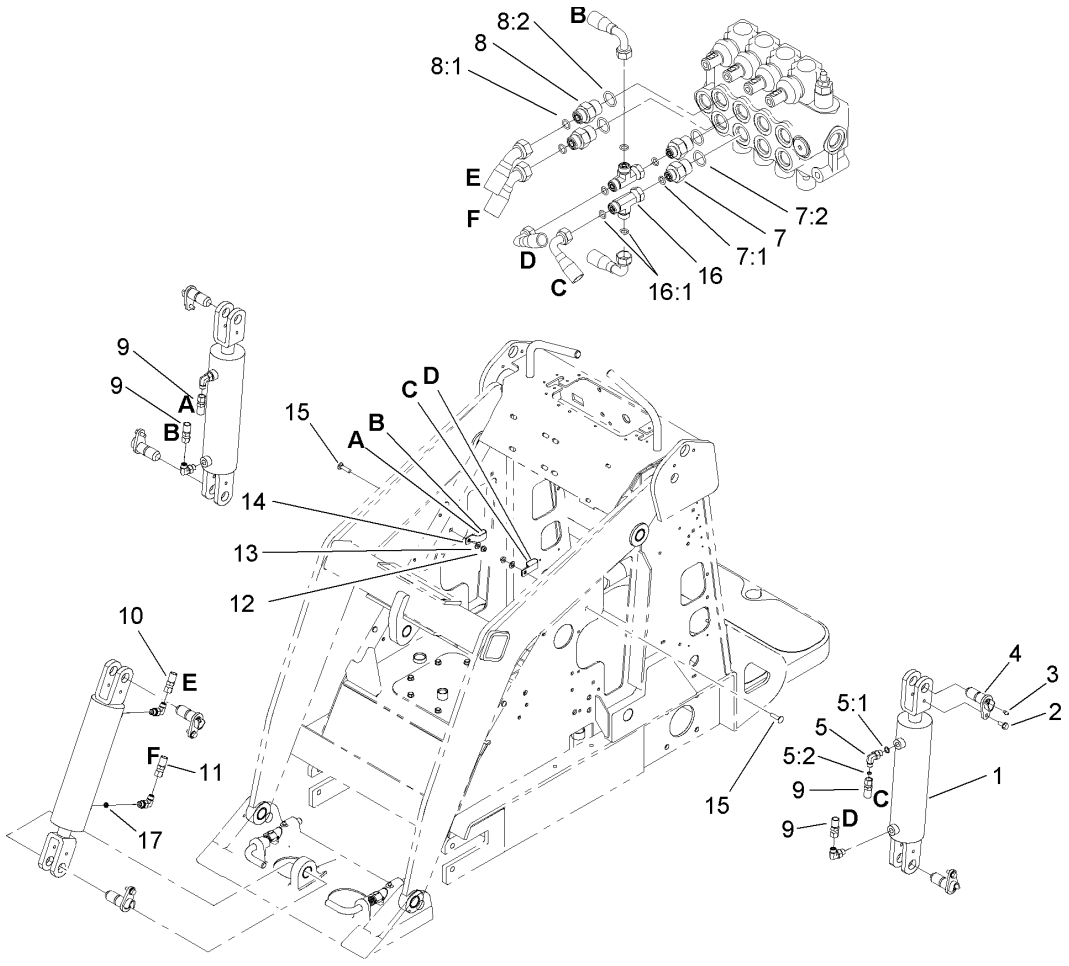
Hydraulic Traction Assembly (continued)

Ref	Part No.	Qty.	Description
❶32:2	105-8357	1	Seal Kit
33	321-5	1	Screw-HH
34	3253-3	1	Washer-Lock
35	105-4068	3	Screw-Set, HSH
36	108-9714-03	1	Plate-Cover
37	32144-4	4	Screw-HWH
38	104-7048	1	Cap-Housing
39	321-11	1	Screw-HH
40	3256-22	2	Washer-Flat
41	106-8189	1	Spacer
42	32128-32	2	Nut-HHF
43	106-8188	1	Spacer
44	321-23	1	Screw-HH
45	3290-379	1	Tie-Cable



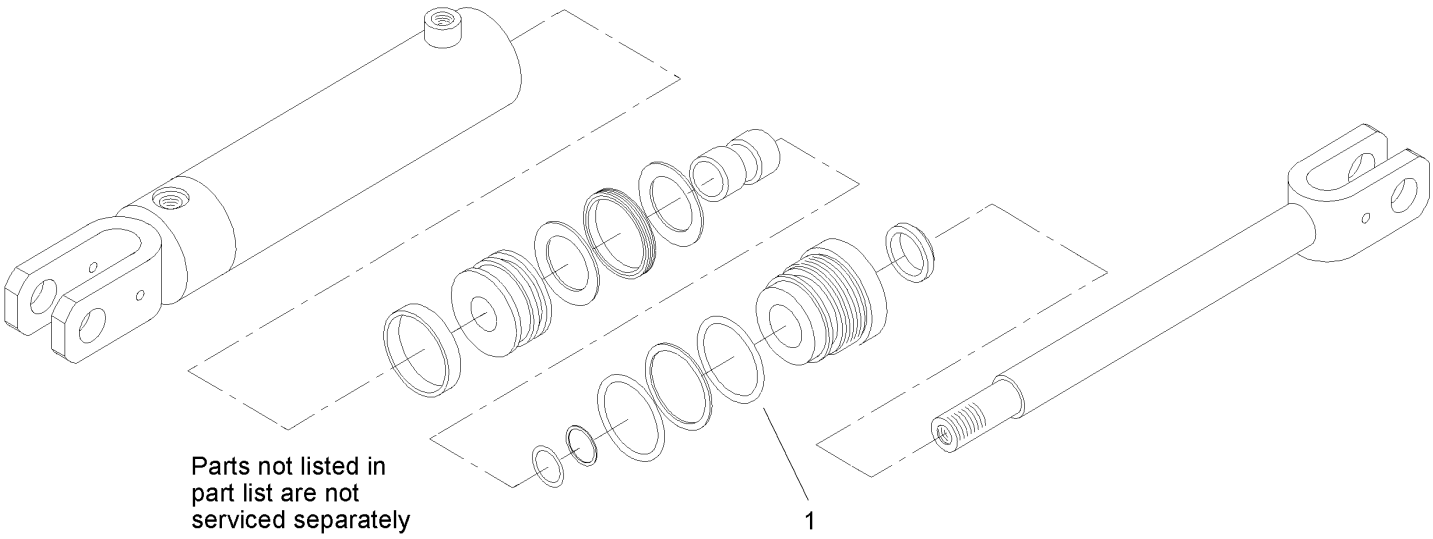
Hydraulic Valve Assembly No. 105-6246

Ref	Part No.	Qty.	Description
1	100-8801	4	High Force Spring Kit
1	100-8800	4	Standard Spring ASM
2	100-8802	8	Screw-Cap, End
3	100-8805	1	Valve-Relief
4	100-8806	8	Screw
5	100-8807	4	Operator ASM
6	100-8829	4	Boot
7	99-4390	1	Seal Kit
7:1	99-3074	4	Gasket
7:2	99-3075	8	Gasket
8	105-8441	4	Spool-Valve



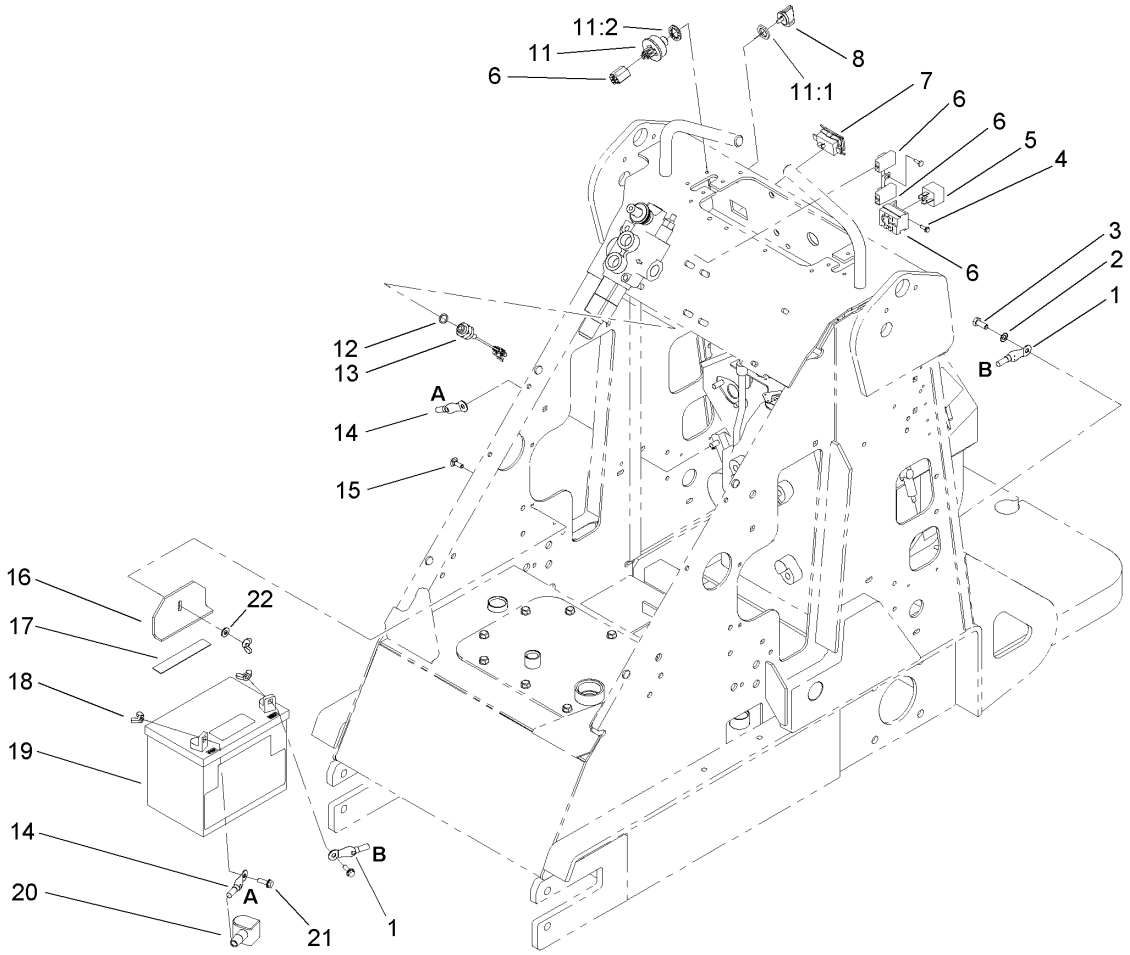
Hydraulic Cylinder Assembly

Ref	Part No.	Qty.	Description
1	105-7867	3	Cylinder-HYD
2	99-5105	6	Bolt-Shoulder
3	302-5	6	Fitting-Grease
4	99-1414	6	Pin-Pivot
5	340-82	6	Adapter
5:1	237-42	1	O-Ring
5:2	237-21	1	O-Ring
7	340-133	2	Adapter
7:1	237-79	1	O-Ring
7:2	237-21	1	O-Ring
8	340-3	2	Adapter
8:1	237-22	1	O-Ring
8:2	237-79	1	O-Ring
9	98-4725	4	Hose-HYD
10	98-4727	1	Hose-HYD
11	98-4726	1	Hose-HYD
12	3296-29	2	Nut-Lock, NI
13	3256-23	2	Washer-Flat
14	2412-137	2	Clamp-Tube
15	3230-3	4	Screw-CARR
16	340-151	2	Fitting
16:1	237-75	3	O-Ring
17	108-4714	1	Orifice-Port Insert, One Way



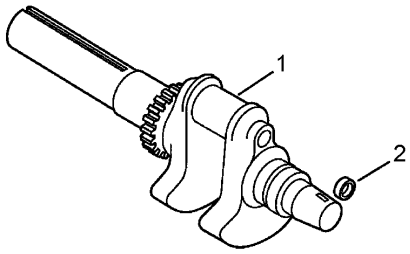
Hydraulic Cylinder Assembly No. 105-7867

Ref	Part No.	Qty.	Description
1	105-8356	1	Seal Kit



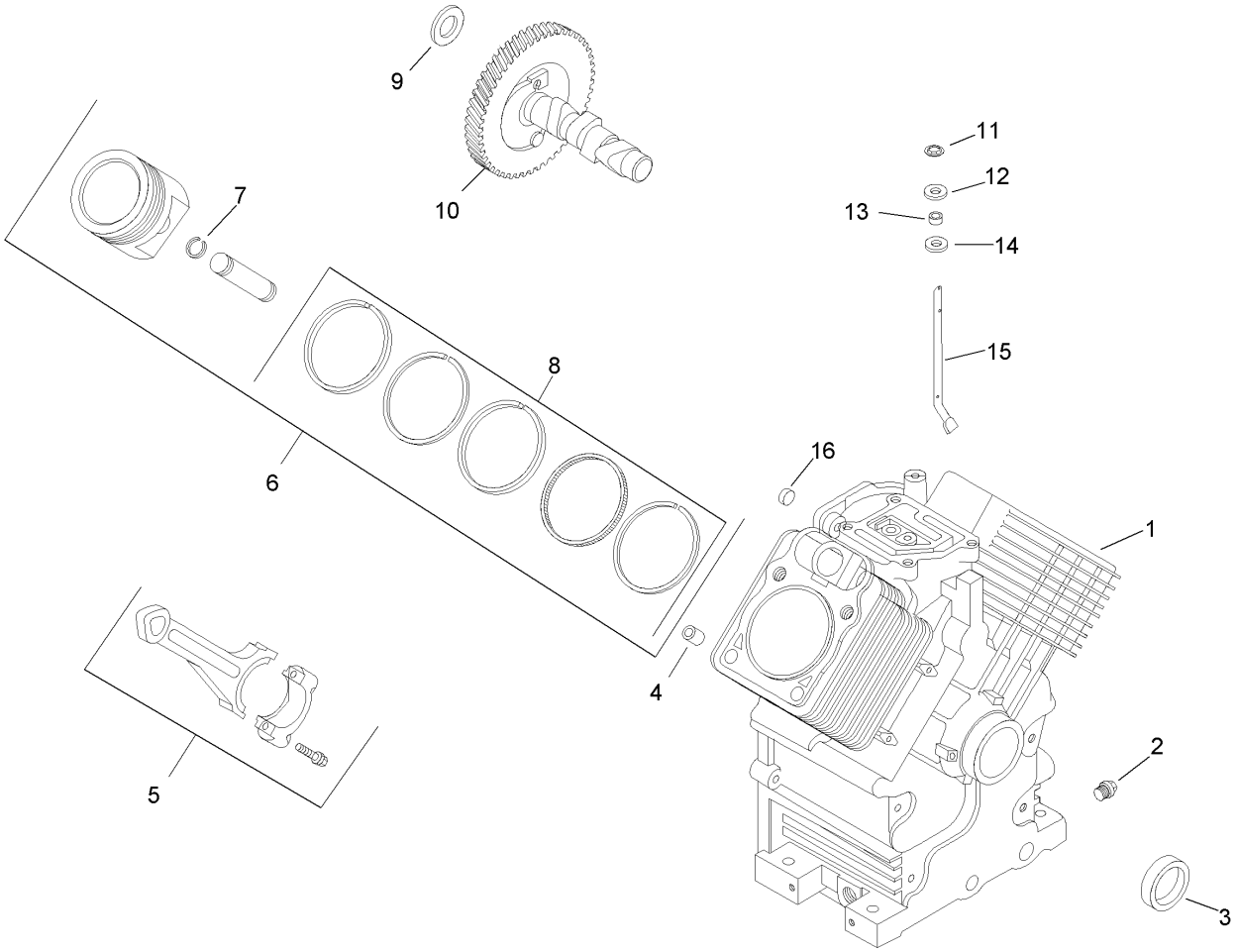
Electrical Assembly

Ref	Part No.	Qty.	Description
1	111074	1	Cable-Black
2	3255-8	1	Washer-Lock
3	33114-020	1	Screw-HH
4	32144-87	2	Screw-HWHTF
5	98-7249	1	Relay
6	98-4650	1	Harness-Electrical
7	106-8175	1	Meter-Hour, Mini Dc
8	63-8360	2	Key-Ignition
11	116338	1	Key Switch ASM
11:1	101884	1	Nut
11:2	9201604	1	Washer-Lock, Int
12	237-42	1	O-Ring
13	72-4310	1	Switch-Ball
14	92-6989	1	Wire
15	3229-2	1	Screw-CARR
16	105-8401-03	1	Clamp-Battery
17	94-9566	1	Pad-Footrest
18	32103-22	3	Nut-Wing
19	104-2492	1	Battery
20	77-0981	1	Boot-Terminal, Red
21	3234-4	2	Screw-HHF
22	3256-22	1	Washer-Flat



Crankshaft Assembly
Kohler CH20S 64733

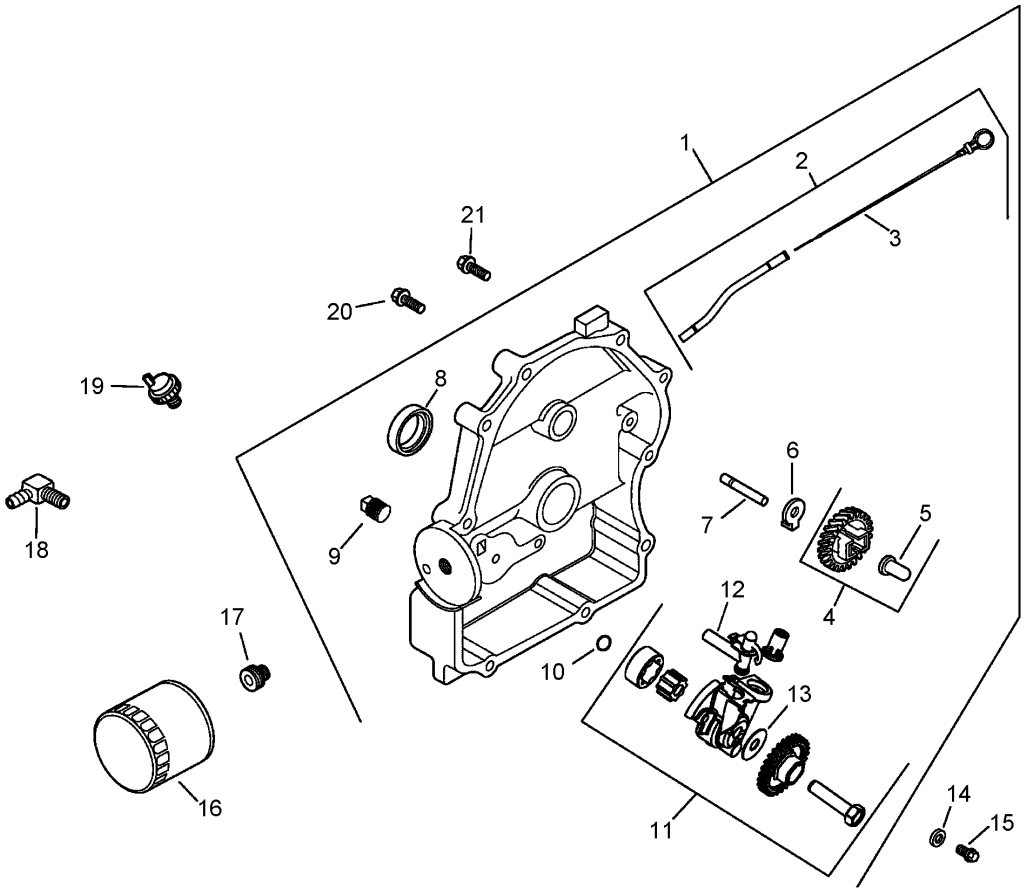
Ref	Part No.	Qty.	Description
❸1	24 014 90-S	1	Crankshaft (Includes 2)
❸2	52 139 09-S	1	Plug-Cup



Crankcase Assembly
Kohler CH20S 64733

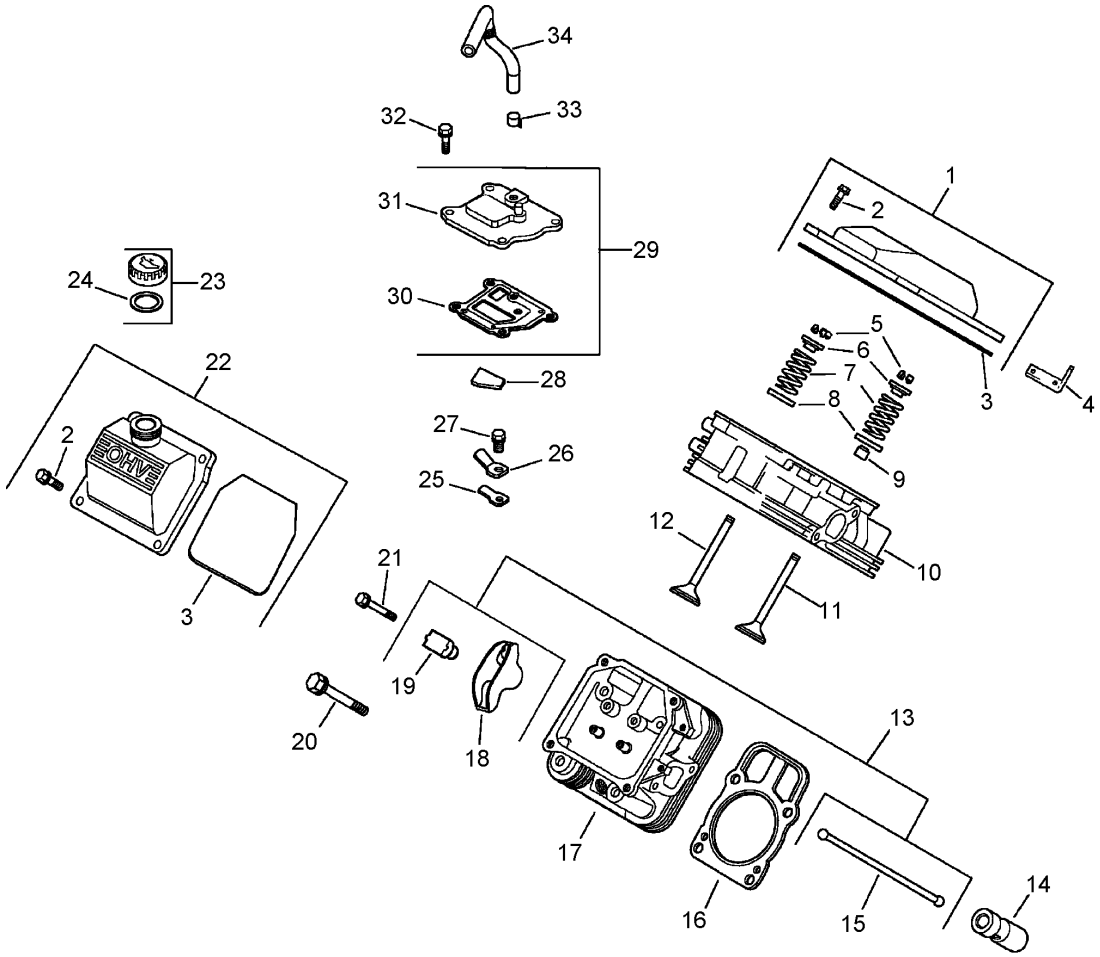
Ref	Part No.	Qty.	Description
❷❸1		1	Crankcase (Use: Miniblock 24 782 15)
❸2	52 139 02-S	2	Plug-Pipe
❸3	24 032 01-S	1	Seal-Oil, Front
❸4	24 380 13-S	6	Pin-Locating
❸5	24 067 13-S	2	Rod-Connecting (STD)
❸5	24 067 14-S	2	Rod-Connecting (.25)
❸6	24 874 17-S	2	Piston ASM (STD.) (Includes 7,8)
❸6	24 874 14-S	2	Piston ASM (.08)
❸6	24 874 18-S	2	Piston ASM (.25)
❸6	24 874 19-S	2	Piston ASM (.50)
❸7	24 018 01-S	4	Retainer-Pin, Piston
❸8	24 108 11-S	2	Ring Set (STD.)
❸8	24 108 12-S	2	Ring Set (.25)
❸8	24 108 13-S	2	Set-Ring (.50)
❸9	12 422 09-S		Shim-Camshaft, Red
❸9	12 422 13-S		Shim-Camshaft, Black
❸9	12 422 07-S		Shim-Camshaft, White
❸9	12 422 08-S		Shim-Camshaft, Blue
❸9	12 422 10-S	1	Shim-Camshaft, Yellow
❸9	12 422 11-S		Shim-Camshaft, Green
❸9	12 422 12-S		Shim-Camshaft, Gray
❸10	24 012 10-S	1	Camshaft
❸11	24 018 09-S	1	Retainer-Ring

Ref	Part No.	Qty.	Description
❸12	M-931010-S	1	Washer-Plain (Top)
❸13	28 032 09-S	1	Seal-Cross Shaft, Governor
❸14	24 468 15-S	1	Washer-Flat (Bottom)
❸15	24 144 38-S	1	Shaft-Cross, Governor
❸16	52 139 09-S	1	Plug-Cup



Oil Pan and Lubrication Assembly
Kohler CH20S 64733

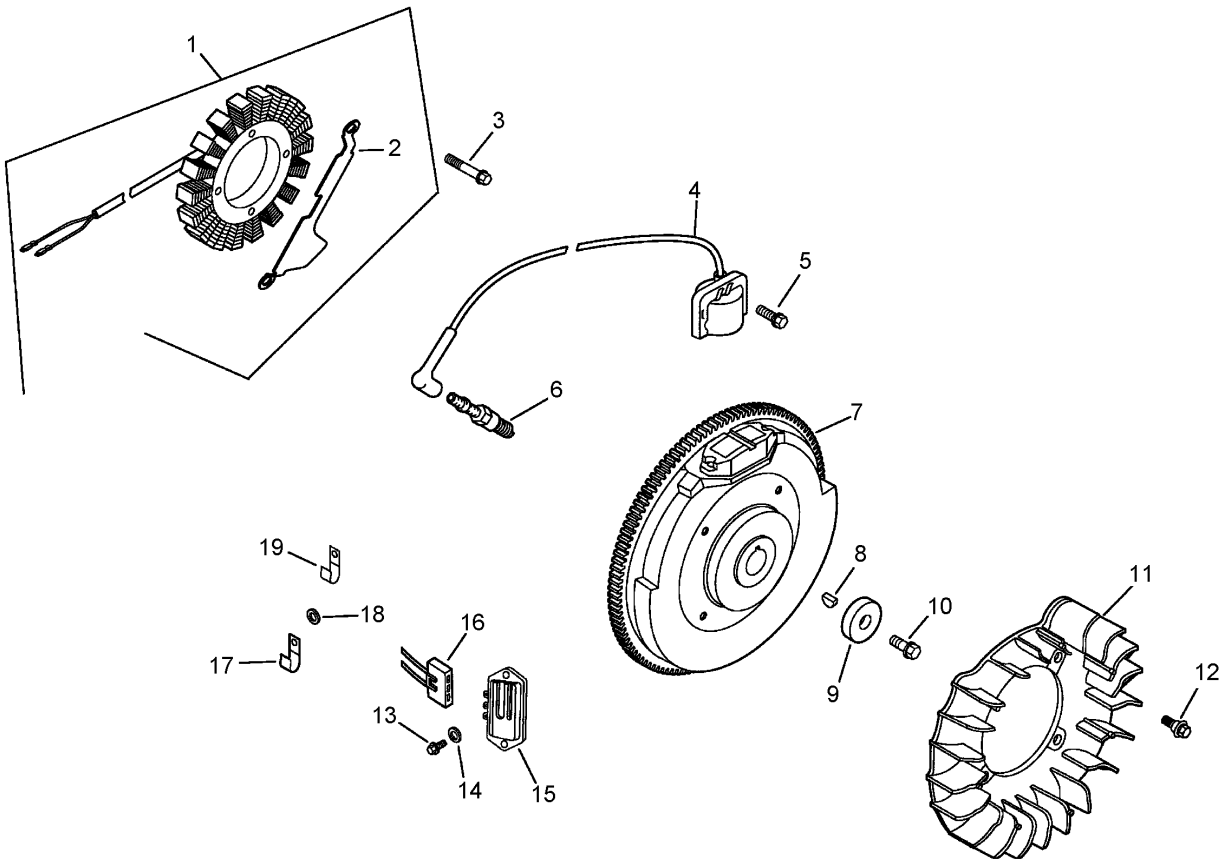
Ref	Part No.	Qty.	Description
❸1	24 009 82-S	1	Closure Plate Kit (Includes 2-13)
❸2	24 755 121-S	1	Dipstick Tube ASM (Includes 3)
❸3	24 038 10-S	1	Dipstick
❸4	24 043 12-S	1	Governor Gear Kit (Includes 5)
❸5	12 380 01-S	1	Pin-Regulating, Governor
❸6	24 448 02-S	1	Tab-Locking
❸7	12 144 02-S	1	Shaft-Gear, Governor
❸8	52 032 08-S	1	Seal-Oil
❸9	25 139 60-S	2	Plug-Pipe, 1/8In Allen Head
❸10	24 153 08-S	1	O-Ring
❸11	24 393 37-S	1	Oil Pump ASM (Includes 12, 13)
❸12	24 381 04-S	1	Pick Up-Oil
❸13	24 153 01-S	1	O-Ring (Oil Pick Up)
❸14	M-631005-S	2	Washer-Plain (6Mm)
❸15	M-645025-S	2	Screw-HF (M6X1.0X25)
❸16	52 050 02-S	1	Filter-Oil
❸17	24 136 01-S	1	Nipple-Filter, Oil
❸18	25 155 02-S	1	Connector
❸19	24 099 03-S	1	Switch-Pressure
❸20	24 086 16-S	9	Screw-HF (M8X1.25X45)
❸21	24 086 17-S	1	Screw-HF (M8X1.25X45)



Head, Valve, and Breather Assembly
Kohler CH20S 64733

Ref	Part No.	Qty.	Description
❸1	24 755 141-S	1	Plain Valve Cover Kit (Includes 2, 3)
❸2	M-651030-S	4	Screw-HF (M6X1.0X30)
❸3	24 153 28-S	1	O-Ring
❸4	24 445 01-S	1	Strap-Lifting
❸5	12 755 03-S	4	Retainer Kit
❸6	12 173 01-S	4	Cap-Spring, Valve
❸7	24 089 02-S	4	Spring-Valve
❸8	235011-S	4	Retainer-Spring
❸9	66 032 05-S	2	Seal-Stem, Valve
❸10	24 318 68-S	1	No. 1 Cylinder Head ASM
❸11	24 017 01-S	2	Valve-Intake (STD)
❸11	24 017 02-S	2	Valve-Intake (.25)
❸12	24 016 01-S	2	Valve-Exhaust (STD)
❸12	24 016 02-S	2	Valve-Exhaust (.25)
❸13	24 755 66-S	1	Valve Train Kit (Includes 15, 18, 19)
❸14	25 351 01-S	4	Lifter-Valve
❸15	24 411 05-S	4	Rod-Push
❸16	24 841 01-S	2	Cylinder Head Gasket Kit (Includes 20)
❸17	24 318 71-S	1	No. 2 Cylinder Head ASM
❸18	25 186 01-S	4	Arm-Rocker
❸19	24 599 01-S	4	Pivot-Arm, Rocker
❸20	12 086 16-S	8	Screw-HF, Reduced

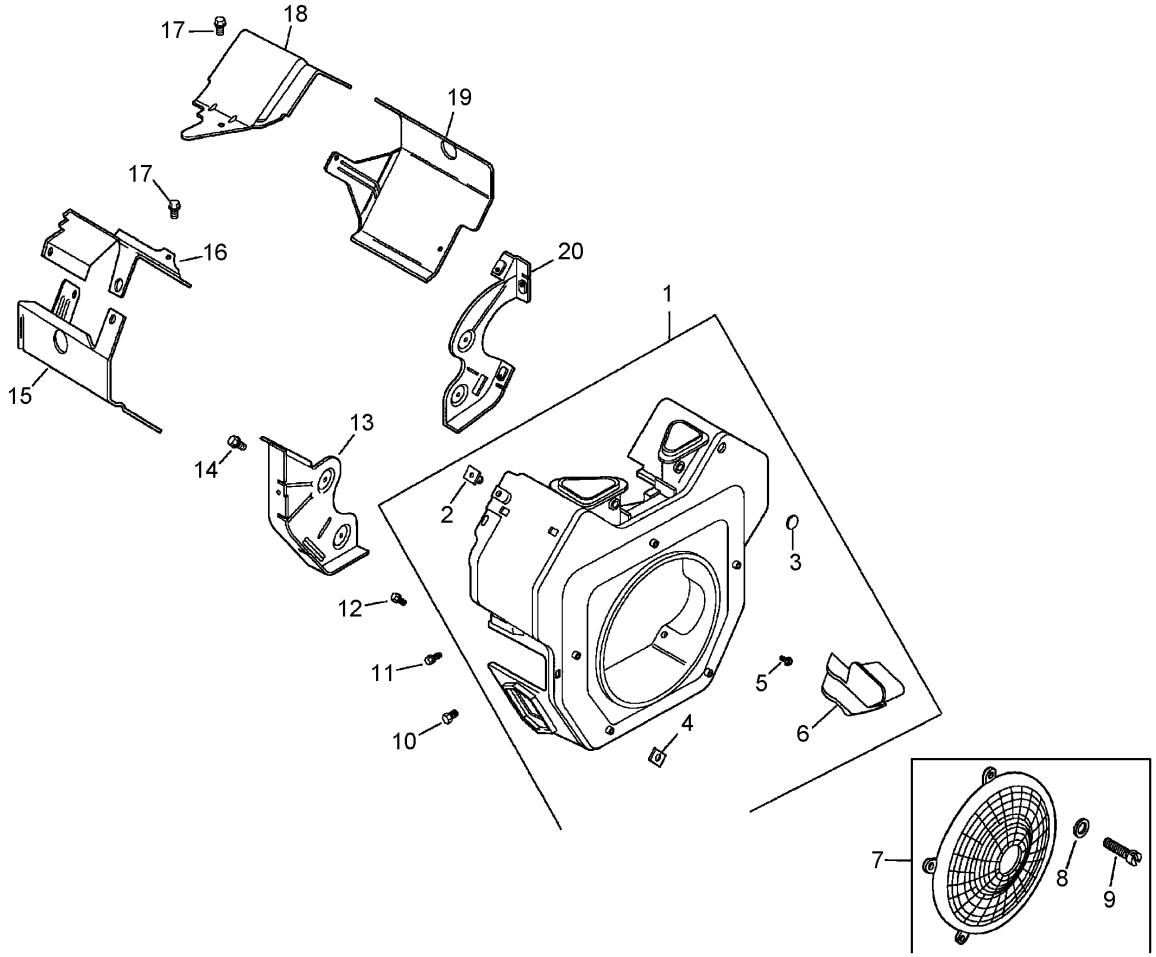
Ref	Part No.	Qty.	Description
❸21	66 086 07-S	4	Screw
❸22	24 755 140-S	1	Oil Fill Valve Cover Kit (Includes 2, 3)
❸23	24 755 46-S	1	Oil Fill Cap Kit (Includes 24)
❸24	25 153 02-S	1	O-Ring
❸25	24 402 03-S	1	Reed-Breather
❸26	66 018 04-S	1	Retainer-Reed, Breather
❸27	M-545010-S	1	Screw-HF (M5X0.8X10)
❸28	24 050 01-S	1	Filter-Breather
❸29	24 033 01-S	1	Breather Kit (Includes 30, 31)
❸30	24 041 51-S	1	Gasket-Breather
❸31	24 096 86-S	1	Cover-Breather
❸32	M-645020-S	4	Screw-HF (M6X1.0X20)
❸33	25 237 14-S	1	Clamp
❸34	24 326 26-S	1	Hose-Breather



Ignition and Electrical Assembly
Kohler CH20S 64733

Ref	Part No.	Qty.	Description
❸1	54 755 09-S	1	Stator Kit (Includes 2)
❸2	24 126 139-S	1	Bracket-Wire, Stator
❸3	M-548025-S	2	Screw (M5X0.8X25)
❸4	24 584 01-S	2	Module-Ignition
❸5	M-545020-S	4	Screw-HF (M5X0.8X20)
❸6	25 132 12-S	2	Spark Plug
❸7	24 025 01-S	1	Flywheel
❸8	X-42-15-S	1	Key
❸9	12 468 03-S	1	Washer-Plain (3/8In)
❸10	12 086 14-S	1	Screw-HF (M10X1.5X46)
❸11	24 157 07-S	1	Fan
❸12	25 086 47-S	4	Bolt-Shoulder (M6X1.0X16)
❸13	24 086 18-S	2	Screw-Head, Phillips
❸14	X-25-92-S	2	Washer-Plain
❸15	41 403 09-S	1	Rectifier-Regulator
❸16	236602-S	1	Connector
❸17	235173-S	1	Clip-Cable
❸18	X-25-63-S	1	Washer-Plain (1/4In)
❸19	48 154 02-S	1	Clip-Cable (For B+ Lead)
❶❸	24 176 08-S	1	Harness-Wiring
❶❸	24 518 12-S	1	Lead-Black (5In, 12 Gauge, Insulated Grip Barrel Eyelet Terminals))
❶❸	25 454 03-S	2	Tie-Cable

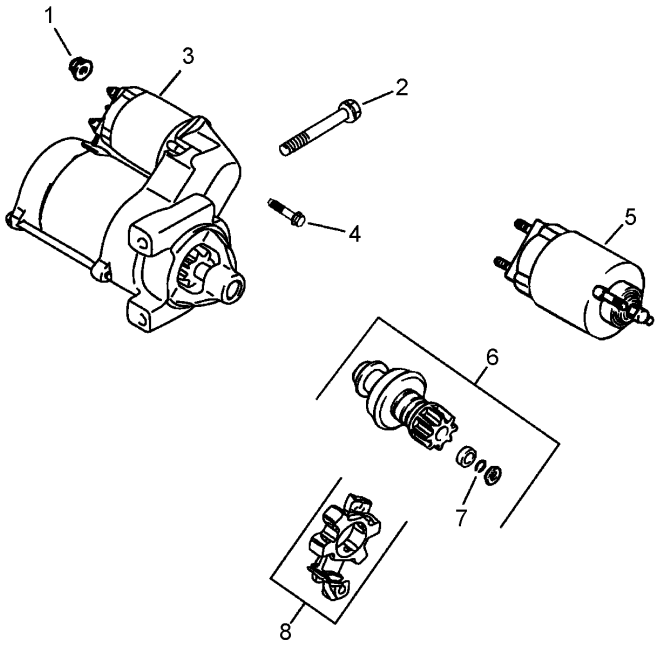
Ref	Part No.	Qty.	Description
❶❸	25 086 91-S	2	Screw (Mounts 5 Wire Connector Of Wiring Harness To Barrel Baffle Above Starter)
❶❸	24 126 137-S	1	Bracket-Strap, Ground
❶❸	25 468 07-S	1	Washer
❶❸	25 113 24-S	1	Decal-Screen, Grass



Blower Housing and Baffle Assembly
Kohler CH20S 64733

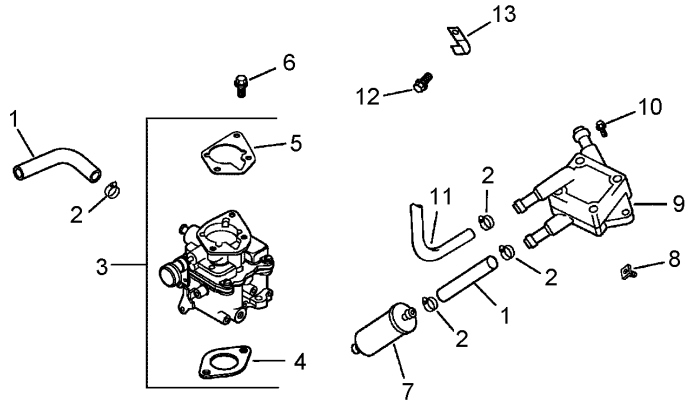
Ref	Part No.	Qty.	Description
❸1	24 027 196-S	1	Blower Housing ASM (Includes 2-6, And Insert 24 332 01-S)
❸2	25 139 16-S	1	Plug-Button (9/16In)
❸3	24 100 01-S	2	Nut-Plastic
❸4	24 100 02-S	2	Nut-Plastic
❸5	25 086 91-S	1	Screw
❸6	24 096 85-S	1	Cover-Housing, Blower
❸7	24 755 81-S	1	Fixed Guard Kit (Includes 8, 9, And Insert 24 332 01-S) fixed Guard Kit (Includes 8, 9 And Insert 24 332 01-S)
❸8	24 468 10-S	5	Washer-Plain (1/4In)
❸9	24 086 35-S	5	Screw-Head, Pan
❸10	M-551016-S	1	Screw-HF (M5X0.8X16)
❸11	M-545016-S	3	Screw-HF (M5X0.8X16)
❸12	M-545020-S	4	Screw-HF (M5X0.8X20)
❸13	24 146 16-S	1	Plate-Backing, No. 2 Side
❸14	M-645016-S	6	Screw-HF (M6X1.0X16)
❸15	24 063 20-S	1	Baffle-Cylinder Barrel, No. 2 Side
❸16	24 063 70-S	1	Baffle-Valley (No. 2 Side)
❸17	M-545010-S	2	Screw-HF (M5X0.8X10)
❸18	24 063 59-S	1	Baffle-Valley (No. 1 Side)
❸19	24 063 58-S	1	Baffle-Barrel, Cylinder (No. 1 Side)
❸20	24 146 20-S	1	Plate-Backing (No. 1 Side)

Ref	Part No.	Qty.	Description
❶❸	24 332 01-S	5	Insert-Threaded
❶❸	25 113 24-S	1	Decal-Screen, Grass
❶❸	24 113 95-S	1	Decal-Hp
❶❸	25 113 39-S	1	Decal-Lamination, Clear



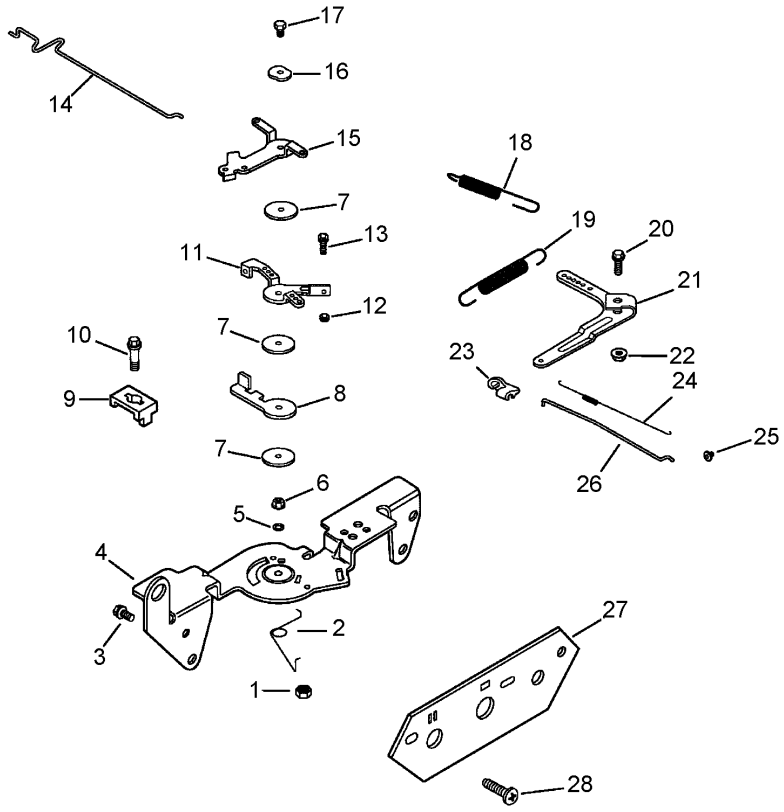
Starting System Assembly
Kohler CH20S 64733

Ref	Part No.	Qty.	Description
❸1	M-841080-S	1	Nut-HF (M8X1.25)
❸2	M-839080-S	2	Screw-HF (M8X1.25X80)
❸3	25 098 08-S	1	Starter Solenoid Shift ASM (Includes 4-8)
❸4	25 086 113-S	3	Screw-Torx Head, External
❸5	25 435 04-S	1	Solenoid Kit (Includes 4)
❸6	25 755 33-S	1	Pinion Drive Kit (Includes 7)
❸7	25 141 05-S	1	Ring
❸8	25 221 01-S	1	Brush Kit



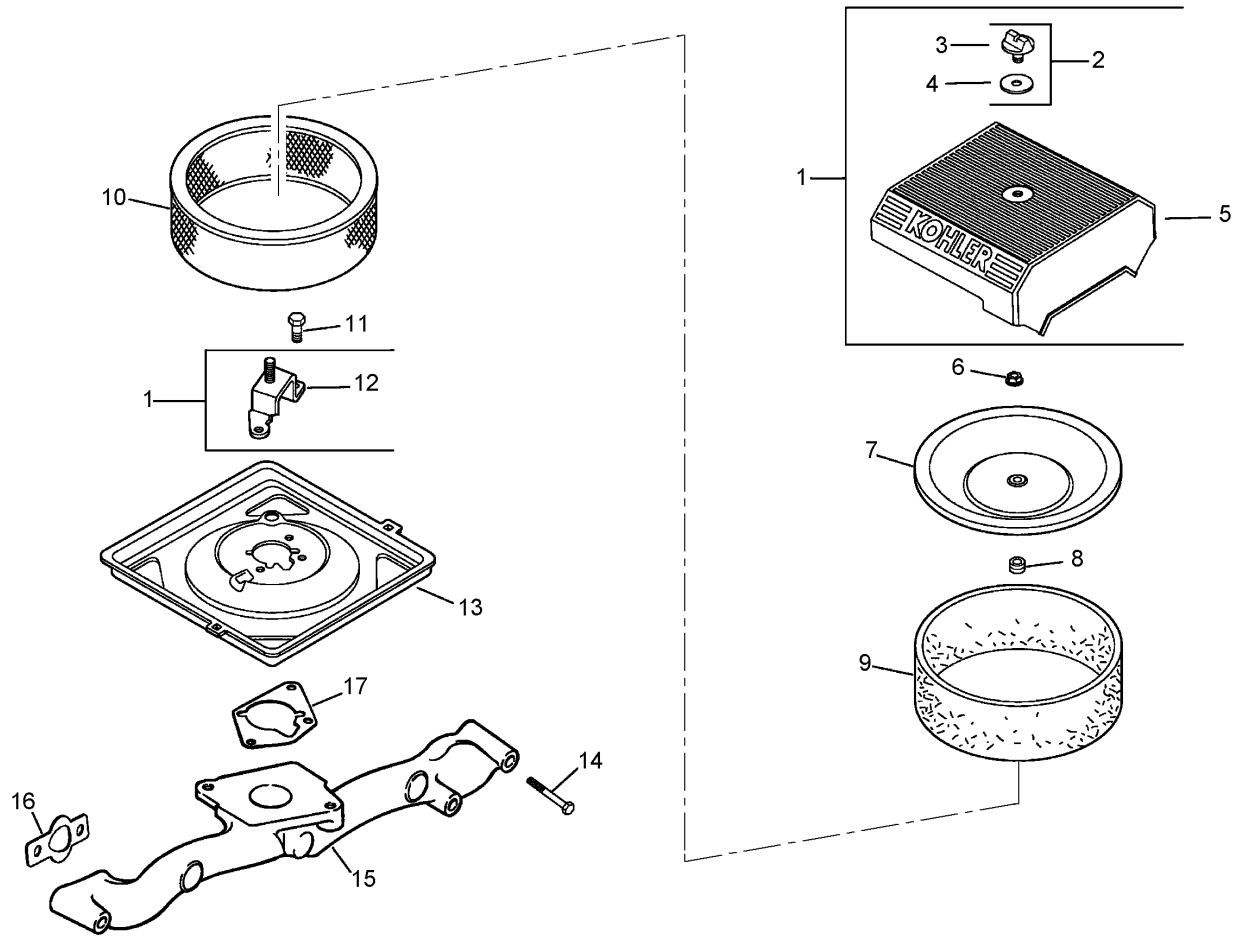
Fuel System Assembly
Kohler CH20S 64733

Ref	Part No.	Qty.	Description
❸1	25 353 32-S	2	Line-Fuel
❸2	25 237 14-S	6	Clamp
❸3	24 853 43-S	1	Carburetor Kit (Includes 4, 5)
❸4	24 041 17-S	1	Gasket-Carburetor
❸5	24 041 06-S	1	Gasket-Base, Air Cleaner
❸6	M-651030-S	2	Screw-HF (M6X1.0X30)
❸7	24 050 02-S	1	Filter-Fuel
❸8	24 100 01-S	2	Nut-Plastic
❸9	24 393 16-S	1	Pump-Fuel
❸10	24 086 12-S	2	Screw
❸11	24 353 02-S	1	Line-Fuel
❸12	M-650012-S	1	Screw-HF (M6X1.0X12)
❸13	47 154 01-S	1	Clip-Cable
❶❸	24 757 01-S	1	Solenoid Kit
❶❸	24 757 02-S	1	Float Repair Kit
❶❸	24 757 03-S	1	Carburetor Repair Kit
❶❸	24 757 07-S	1	Choke Repair Kit
❶❸	24 755 125-S	1	High Altitude Kit



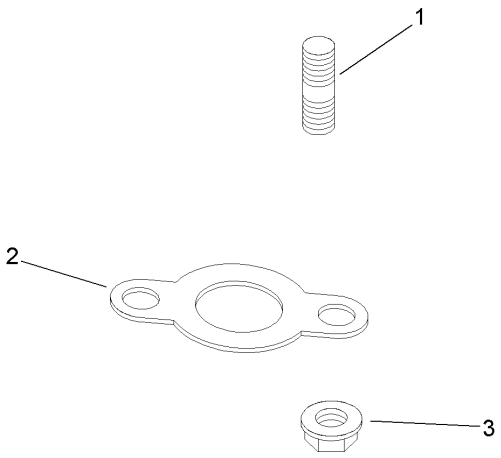
Engine Control Assembly
Kohler CH20S 64733

Ref	Part No.	Qty.	Description
❸1	M-547050-S	1	Nut-Lock, Hex (M5X0.8)
❸2	24 089 03-S	1	Spring-Return, Choke
❸3	M-645016-S	4	Screw-HF (M6X1.0X16)
❸4	24 126 56-S	1	Bracket-Control
❸5	X-20-1-S	1	Washer-Lock (1/4In)
❸6	M-541050-S	1	Nut-HF (M5X0.8)
❸7	24 468 01-S	3	Washer-Plain
❸8	24 090 07-S	1	Lever-Actuator, Throttle
❸9	12 237 01-S	2	Clamp-Cable
❸10	M-545016-S	3	Screw-HF (M5X0.8X16)
❸11	24 090 03-S	1	Lever-Control, Throttle
❸12	M-446030-S	1	Nut-HF (M4X0.7)
❸13	M-403025-S	1	Screw
❸14	24 079 21-S	1	Linkage-Choke
❸15	24 090 05-S	1	Lever-Choke
❸16	41 468 03-S	1	Washer
❸17	M-545020-S	1	Screw-HF (M5X0.8X20)
❸18	24 089 51-S	1	Spring-Limiter, Throttle
❸19	24 089 46-S	1	Spring-Governor
❸20	24 211 03-S	1	Bolt-Square Neck, Round Head
❸21	24 090 33-S	1	Lever-Governor
❸22	M-641060-S	1	Nut-HF
❸23	25 158 11-S	1	Bushing-Linkage
❸24	24 089 01-S	1	Spring-Linkage
❸25	25 158 08-S	1	Bushing-Retaining, Linkage
❸26	24 079 01-S	1	Linkage-Throttle
❸27	24 378 01-S	1	Panel-Control
❸28	24 086 06-S	1	Screw-Head, Phillips (11-16X3/4)



Air Intake and Filtration Assembly
Kohler CH20S 64733

Ref	Part No.	Qty.	Description
❸1	24 743 06-S	1	Air Cleaner Cover Kit (Includes 2-5, 12)
❸2	54 755 01-S	1	Knob Kit (Includes 3, 4)
❸3	25 341 04-S	1	Knob-Cover
❸4	24 153 20-S	1	Seal
❸5	24 096 67-S	1	Cover-Cleaner, Air
❸6	M-641060-S	1	Nut-HF
❸7	24 096 01-S	1	Cover-Air Cleaner, Inner
❸8	230046-S-S	1	Seal
❸9	24 083 05-S	1	Element-Precleaner
❸10	24 083 03-S	1	Element-Cleaner, Air
❸11	24 086 53-S	3	Screw
❸12	24 126 141-S	1	Bracket-Base, Air Cleaner
❸13	24 094 37-S	1	Base-Cleaner, Air
❸14	25 086 84-S	4	Screw-HF (M6X1.0X55)
❸15	24 164 14-S	1	Manifold-Intake
❸16	24 041 01-S	2	Gasket-Manifold, Intake
❸17	24 041 06-S	1	Gasket-Base, Air Cleaner



Exhaust Assembly
Kohler CH20S 64733

Ref	Part No.	Qty.	Description
❸1	25 072 04-S	4	Stud (M8X1.25X33)
❸2	24 041 49-S	2	Gasket-Exhaust
❸3	M-841080-S	4	Nut-HF (M8X1.25)
❶❸	24 522 181	1	Short Block
❶❸	24 782 15	1	Miniblock
❶❸	24 755 107-S	1	Gasket Set

Attachments and Accessories

For 22317 - Dingo 220 Compact Utility Loader

Product Name	Model/Part
Tire Chain Kit	100-4140
Helmet-Face Shield	100-4143
Light Kit	100-8940
Narrow Tire ASM	104-0572
Remote Air Cleaner Kit	104-4635
Thigh Support Kit	105-0330
Tube-Tire (18 x 8.50-10)	105-4070
Rubber Foot Mat	105-5805
Tube-Tire (18 X 8.50-8)	106396
4 Cubic Foot Standard Bucket	22409
Loose Materials Bucket	22410
48 Inch Hydraulic Blade	22414
Rotary Broom	22415
Counterweight	22417
Bore Drive Head	22420
Rod And Reamer	22421
Multi-Purpose Tool	22423
Power Box Rake	22425
Stump Grinder	22429
Tree Forks	22438
Cement Bowl	22442
The Eliminator Scarifier/Groomer	22443
40 Inch Tiller	22445
Snowthrower	22456
Trencher Head	22470
High-Speed Trencher Head	22471
Narrow Bucket	22520
Auger Head	22802
Universal Swivel Auger Head	22803
Vibratory Plow	22910
Soil Cultivator	23101
Seeder Box Kit, Soil Cultivator	23120
Concrete Breaker	23135
Backhoe	23163
Adjustable Forks	23164
Leveler	23165
LH Wheel And Tire ASM	98-2747
Wheel and Tire ASM	98-4709
Spark Arrestor (Meets USDA Forest Service Standard 5100-1A)	98-9099
RH Wheel And Tire ASM	99-1447
RH Wheel And Tire ASM (Powerlug)	99-3140
LH Wheel And Tire ASM (Powerlug)	99-3141
Hydraulic Relief Valve Kit	99-4360

NOTES


TORO®