



Dingo[®] 220

Compact Utility Loader

Model No. 22311—220000001 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.

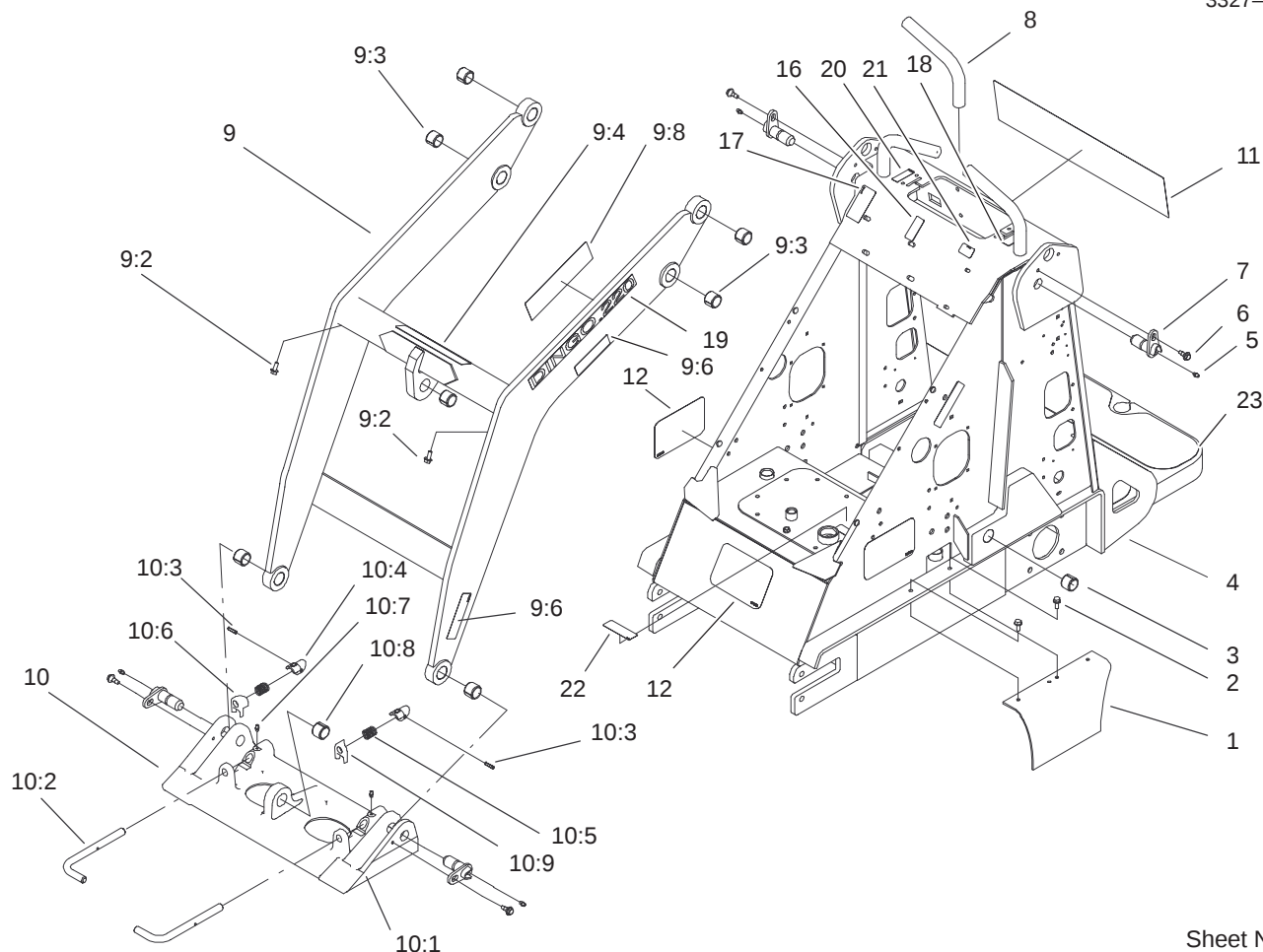
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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

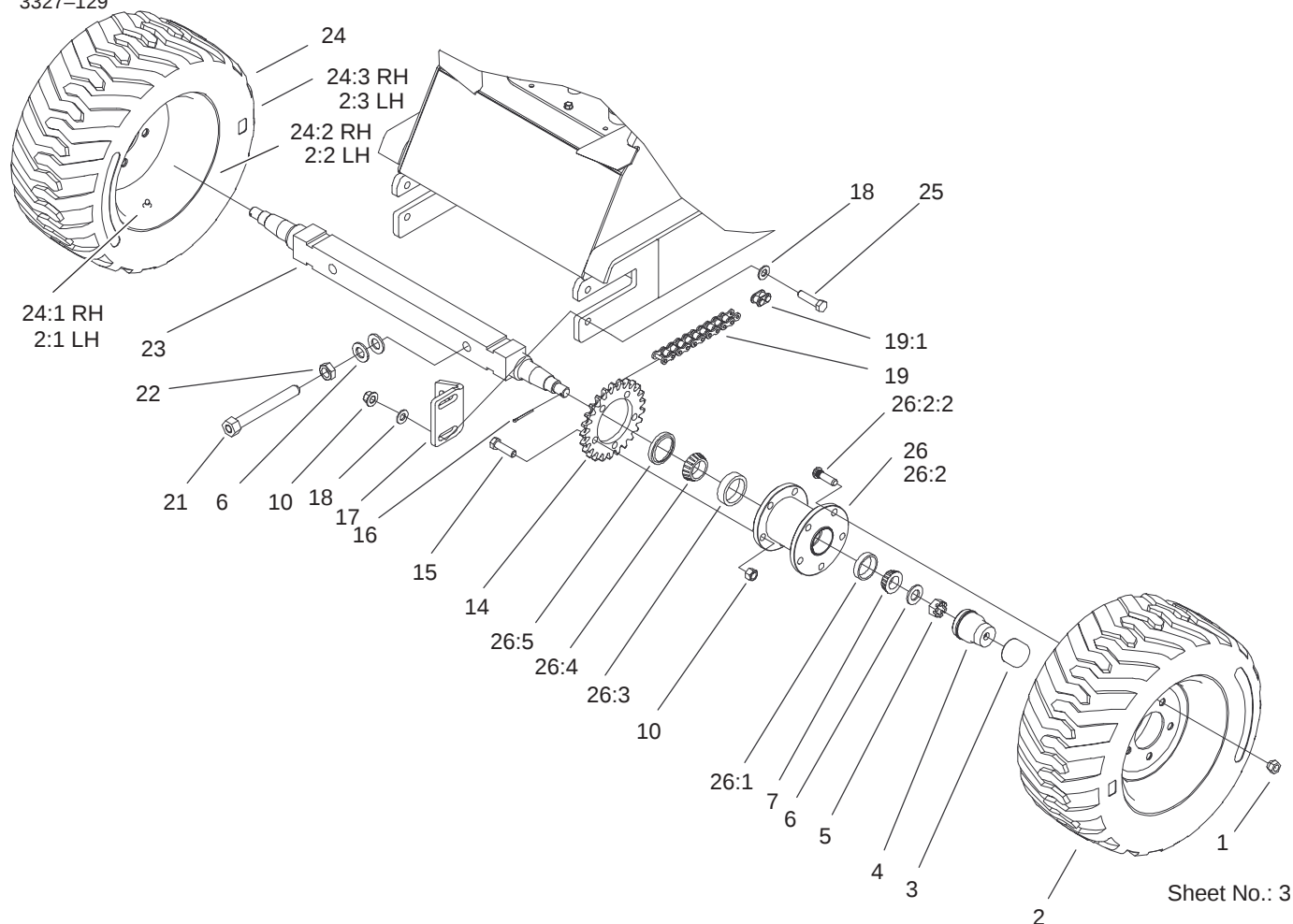
Abbreviation	Meaning	Abbreviation	Meaning
AR	as required	HYD	hydraulic
ASM	assembly	INC	incorporated
CARR	carriage	LH	left hand
DEG	degrees	NI	nylon insert
FH	flat head	PPH	Phillips pan head
GA	gauge	PTH	Phillips truss head
HF	hex flange	PTO	power take off
HH	hex head	RH	right hand
HHF	hex head flange	SFH	slotted fillister head
HLH	hex lag head	SHH	slotted hex head
HJ	hex jam	SQH	square head
HOC	height-of-cut	SHWH	slotted hex washer head
HS	hex socket	SPH	slotted pan head
HSBH	hex socket button head	SRH	slotted round head
HSFH	hex socket flat head	STD	standard
HSH	hex socket head	TAP	self tapping
HWH	hex washer head	TTH	Torx truss head
HWHTF	hex washer head thread forming	WH	wing head



Sheet No.: 2

Frame and Loader Arm Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	98-4669-01	2	Cover-Chain	11	99-1385	1	Decal-Panel, Instrument
2	32144-70	4	Screw-HH	12	62-5550	3	Decal-Toro
3	98-4871	2	Bushing-Tension	16	98-8235	1	Decal-Selector
4	99-1355	1	Frame ASM	17	98-4677	1	Decal-Power, Auxiliary
5	302-5	4	Fitting-Grease	18	98-8219	1	Decal-Throttle
6	99-5105	4	Bolt-Shoulder	19	105-6229	2	Decal-Dingo 220
7	99-1414	4	Pin-Pivot	20	94-2551	1	Decal-Choke
8	98-4845	2	Grip-Cushion	21	98-8220	1	Decal-Limiter, Speed
9	105-8366	1	Loader ASM	22	105-8404	1	Decal - Hydraulic Oil, 10w30
9:2	32144-70	2	Screw-HH	23	98-9947	2	Tread-Foot
9:3	98-4871	7	Bushing-Tension				
9:4	98-4682	1	Decal-Caution				
9:5	98-9051	1	Decal-Danger				
9:6	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, Qtach				
10:3	3285-1	2	Pin-Grooved, Type-A (7/32 X 1)				
10:4	105-0246	2	Cam-Qtach				
10:5	98-4694	2	Spring-Compression				
10:6	104-5909	1	Stop-RH, Qtach				
10:7	302-5	2	Fitting-Grease				
10:8	98-4871	1	Bushing-Tension				
10:9	104-5903	1	Stop-LH, Qtach				

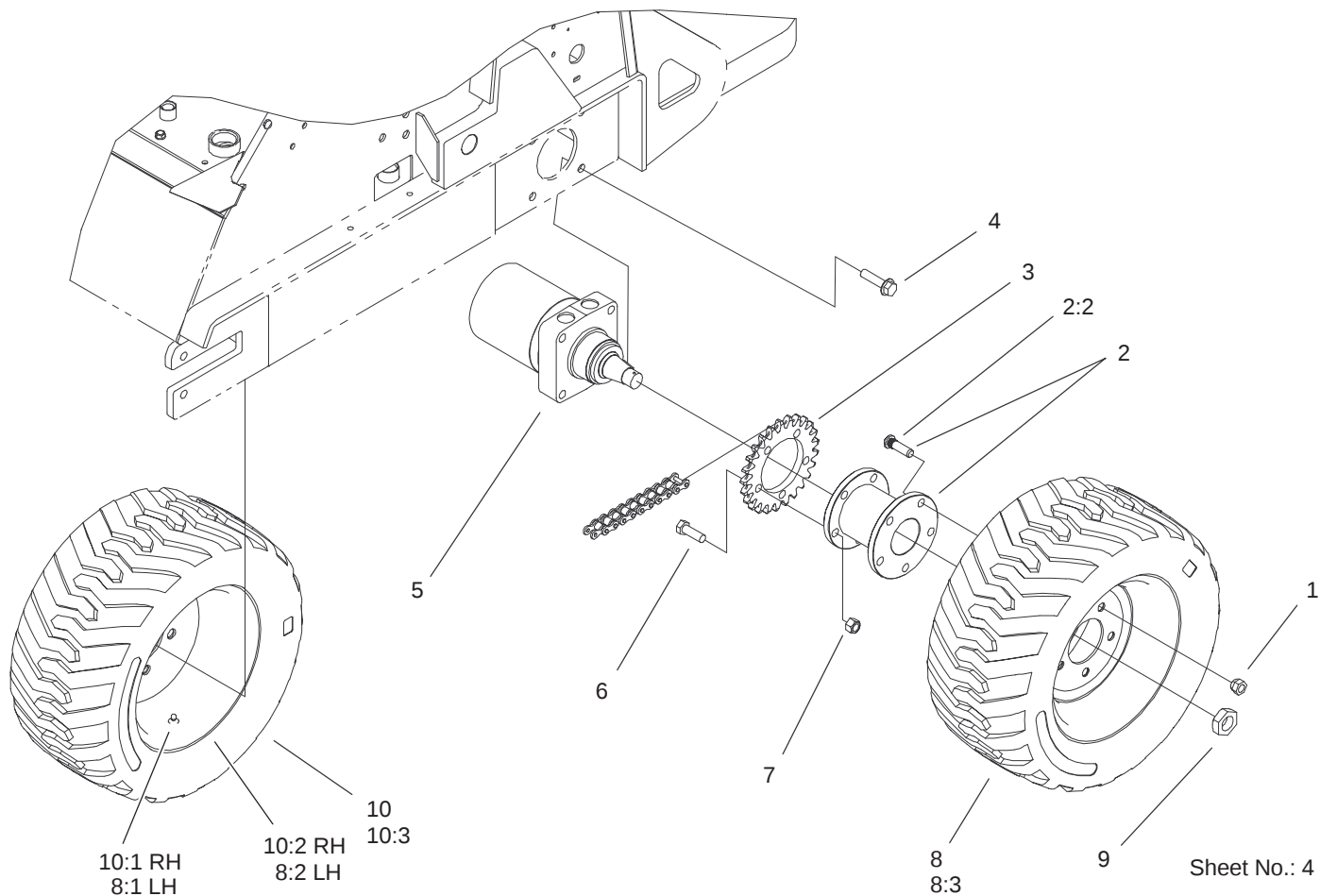


Front Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	242-50	10	Nut-Lug
2	98-2747	1	LH Wheel & Tire ASM
2:1	232-27	1	Stem-Valve
2:2	98-2748	1	Wheel
2:3	98-2749	1	Tire ,Loader Style
3	100-3809	2	Cap-Protector, Bearing
4	100-3769	2	Buddy-Bearing
5	32136-5	2	Nut-Slotted
6	3256-28	6	Washer-Flat
7	254-94	2	Bearing-Cone, Taper
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
21	98-4706	2	Bolt-Tension
22	3217-12	2	Nut-Hex
23	98-4825	1	Axle Shaft
24	99-1447	1	RH Wheel & Tire ASM
24:1	232-27	1	Stem-Valve
24:2	98-2748	1	Wheel
24:3	98-2749	1	Tire ,Loader Style

Ref. No.	Part No.	Qty.	Description
25	325-8	4	Screw-HH
☆26		2	Hub-Front
26:1	254-72	1	Bearing-Cup, Tapered
26:2	100-9989	1	Hub-ASM, Front
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

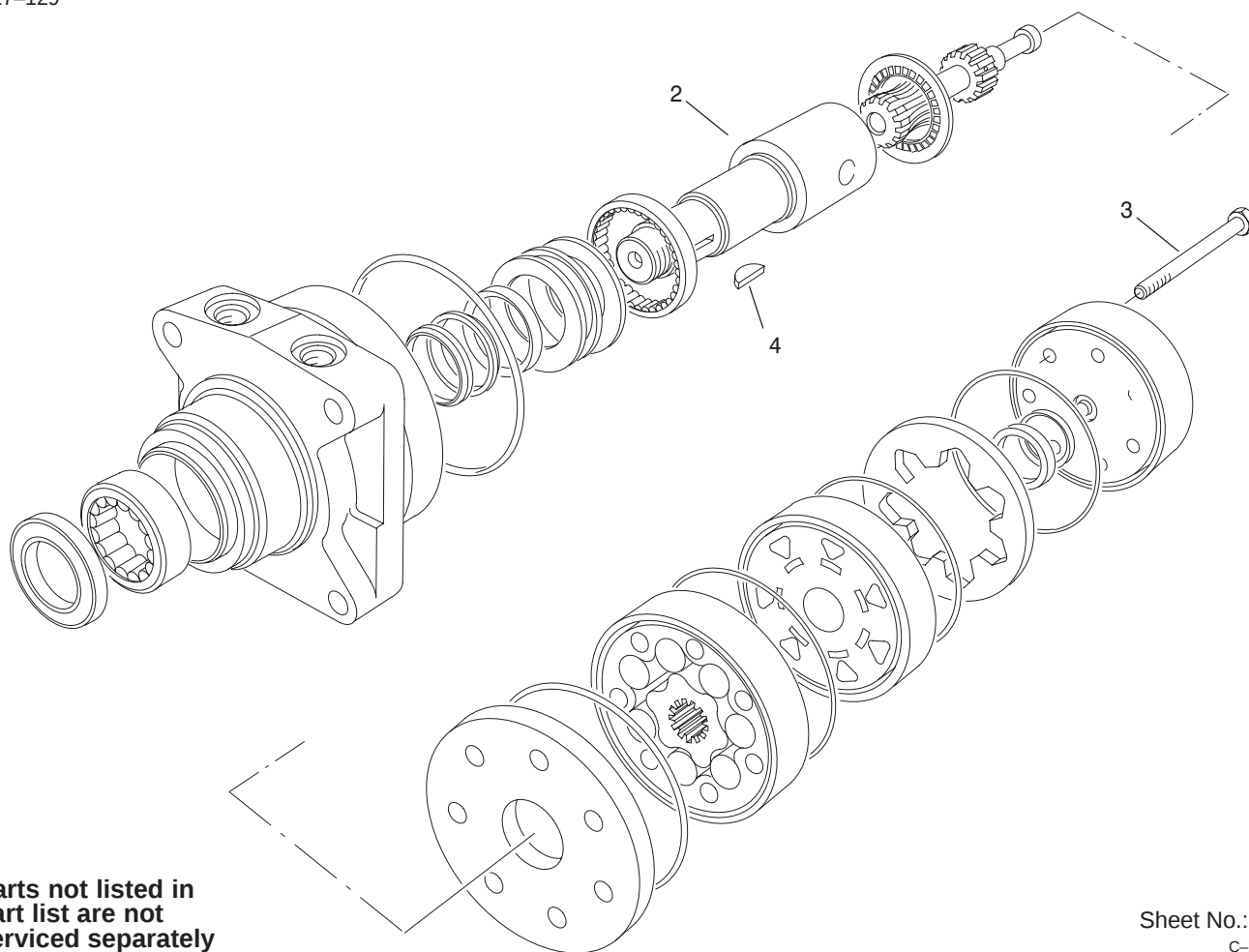
☆ Not serviced separately



Rear Wheel Assembly

Ref. No.	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	Hydraulic Motor ASM
6	325-7	10	Screw-HH
7	3296-23	10	Nut-Lock, NI
8	98-2747	1	LH Wheel & Tire ASM
8:1	232-27	1	Stem-Valve
8:2	98-2748	1	Wheel
8:3	98-2749	1	Tire ,Loader Style
9	26-3790	2	Nut-Lock
10	99-1447	1	RH Wheel & Tire ASM
10:1	232-27	1	Stem-Valve
10:2	98-2748	1	Wheel
10:3	98-2749	1	Tire ,Loader Style

Ref. No.	Part No.	Qty.	Description



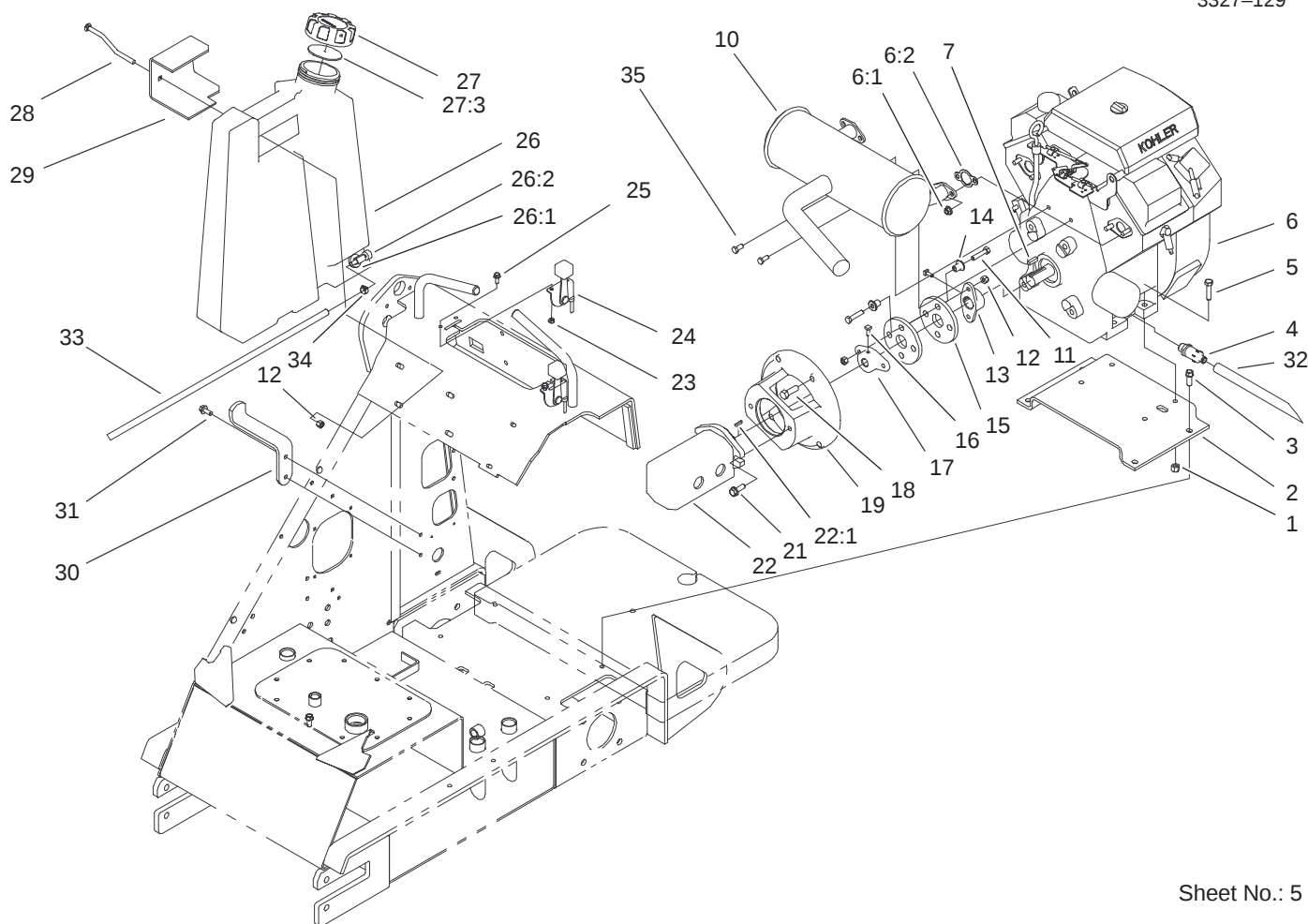
Sheet No.: A1
C-2980

Hydraulic Motor Assembly No. 99-3052

Ref. No.	Part No.	Qty.	Description
1	94-8178	1	Seal Kit
☆1:1		1	Seal-Dirt & 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	Coupling-Shaft
3	99-3091	7	Screw-Cap, HH
4	3257-42	1	Key-Woodruff

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

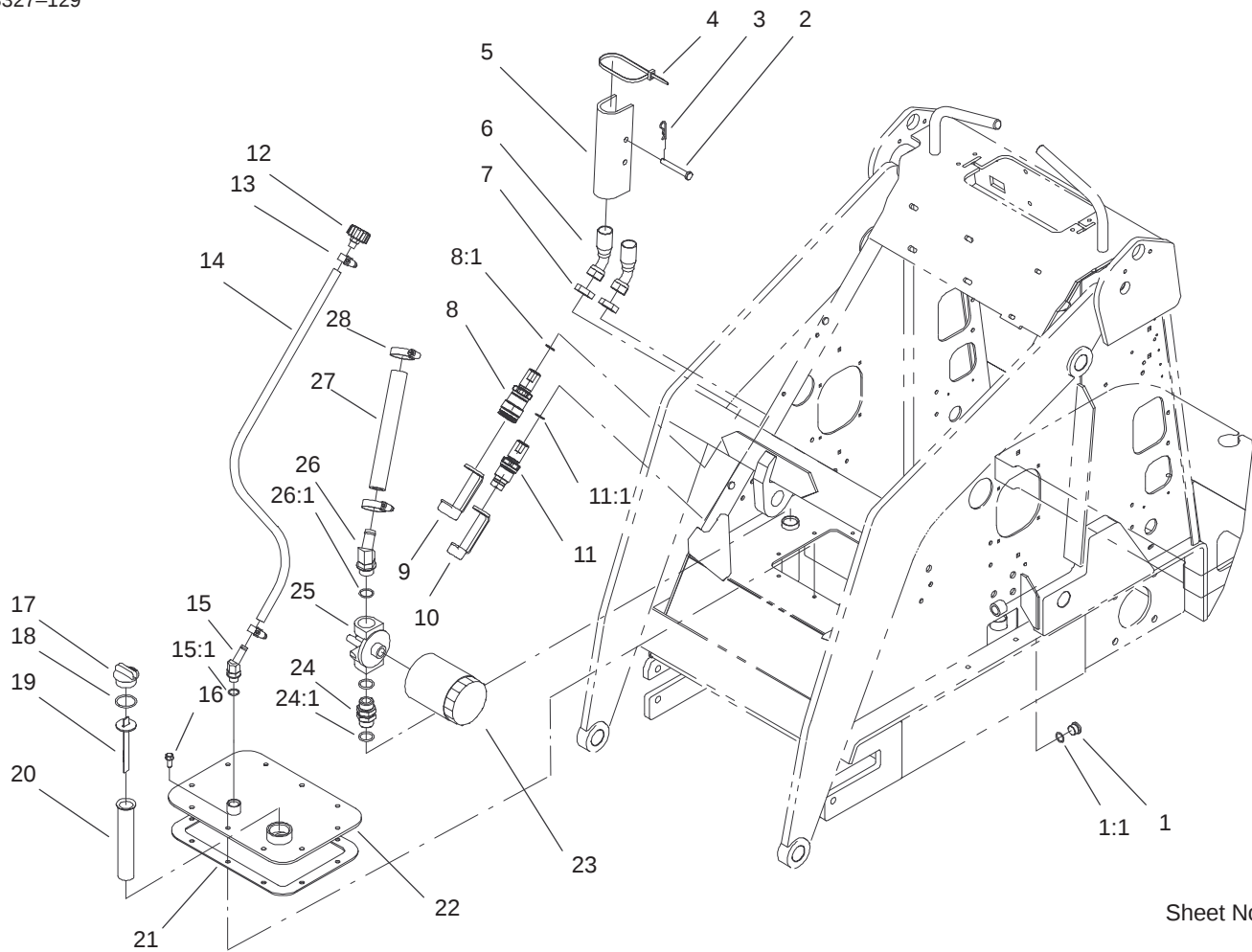


Sheet No.: 5

Engine Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3296-39	4	Nut-Lock, NI	24	85-9310	2	Control-Choke / Throttle
2	98-4666-03	1	Mount-Engine	25	3234-33	4	Screw-HHF
3	95-1726	4	Screw-Taptite W/Patch	26	105-4052	1	RH Fuel Tank ASM
4	92-6877	1	Valve-Drain, Oil	26:1	46-6560	1	Bushing
5	323-9	4	Screw-HH	26:2	104048	1	Valve-Fuel
6		1	Engine-Kohler Ch20s Ps-64667	27	104-7418	1	Cap-Fuel, Gas
6:1	92-6780	4	Nut-HF	27:3	104-7420	1	Gasket-Vented
6:2	93-0350	2	Gasket-Exhaust	28	98-4657	1	Bolt-Mount
7	10-7070	1	Key-Square	29	98-4655-03	1	Plate-Mount
10	100-1711	1	Muffler-Kohler	30	98-4656-03	1	Mount-Bottom, Tank
11	322-7	4	Screw-HH	31	32144-70	2	Screw-HH
12	3296-29	5	Nut-Lock, NI	32	98-4667	1	Hose-Drain, Oil
13	27-1960	1	Hub-Engine	33	98-4668	1	Hose-Fuel
14	71-4411	4	Spacer	34	92-2379	2	Clamp-Hose
15	44-2230	2	Coupling-Rubber	35	33114-020	2	Screw-HH
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				
21	66-9300	2	Screw-HF				
22	98-4702	1	Pump-Gear, Tandem				
22:1	98-4700	1	Key-Square				
*22:2	99-1353	1	Kit-Seal, Pump				
23	3296-42	4	Nut-Lock, NI				

* Not illustrated

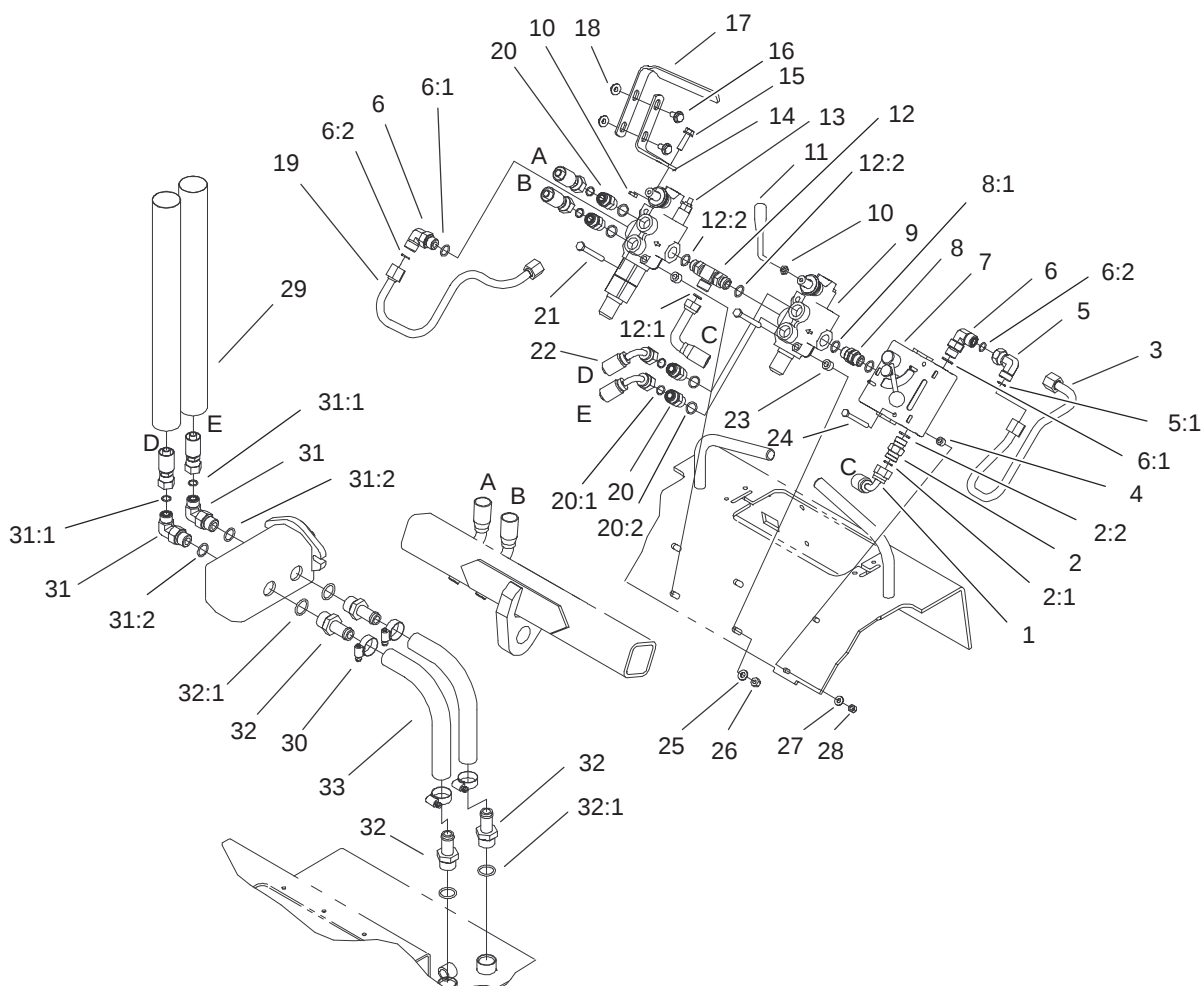


Sheet No.: 6

Hydraulic Assembly

Ref. No.	Part No.	Qty.	Description
1	353-988	1	Plug-Hex, Hollow
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	Hose-Aux
7	340-74	2	Locknut-Bulkhead
8	105-8394	1	Coupler ASM, Bulkhead
8:1	237-65	1	O-Ring
8:2	105-8396	1	Kit - Seal
9	100-8816	1	Cap-Dust, Coupler
10	100-8815	1	Cap-Dust, Nipple
11	105-8395	1	Nipple ASM, Bulkhead
11:1	237-65	1	O-Ring
11:2	100-6120	1	Kit-Seal
12	68-6150	1	Breather-Air
13	2412-36	2	Clamp-Hose
14	98-2708	1	Hose-Vent
15	354-126	1	Fitting-HYD, 45°
15:1	237-79	1	O-Ring
16	98-9940	10	Screw
17	93-7498	1	Plug-Plastic
18	237-123	1	O-Ring
19	100-2097	1	Dipstick-Oil

Ref. No.	Part No.	Qty.	Description
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°
26:1	237-81	1	O-Ring
27	100-9988	1	Hose-HYD
28	2412-129	2	Clamp-Hose

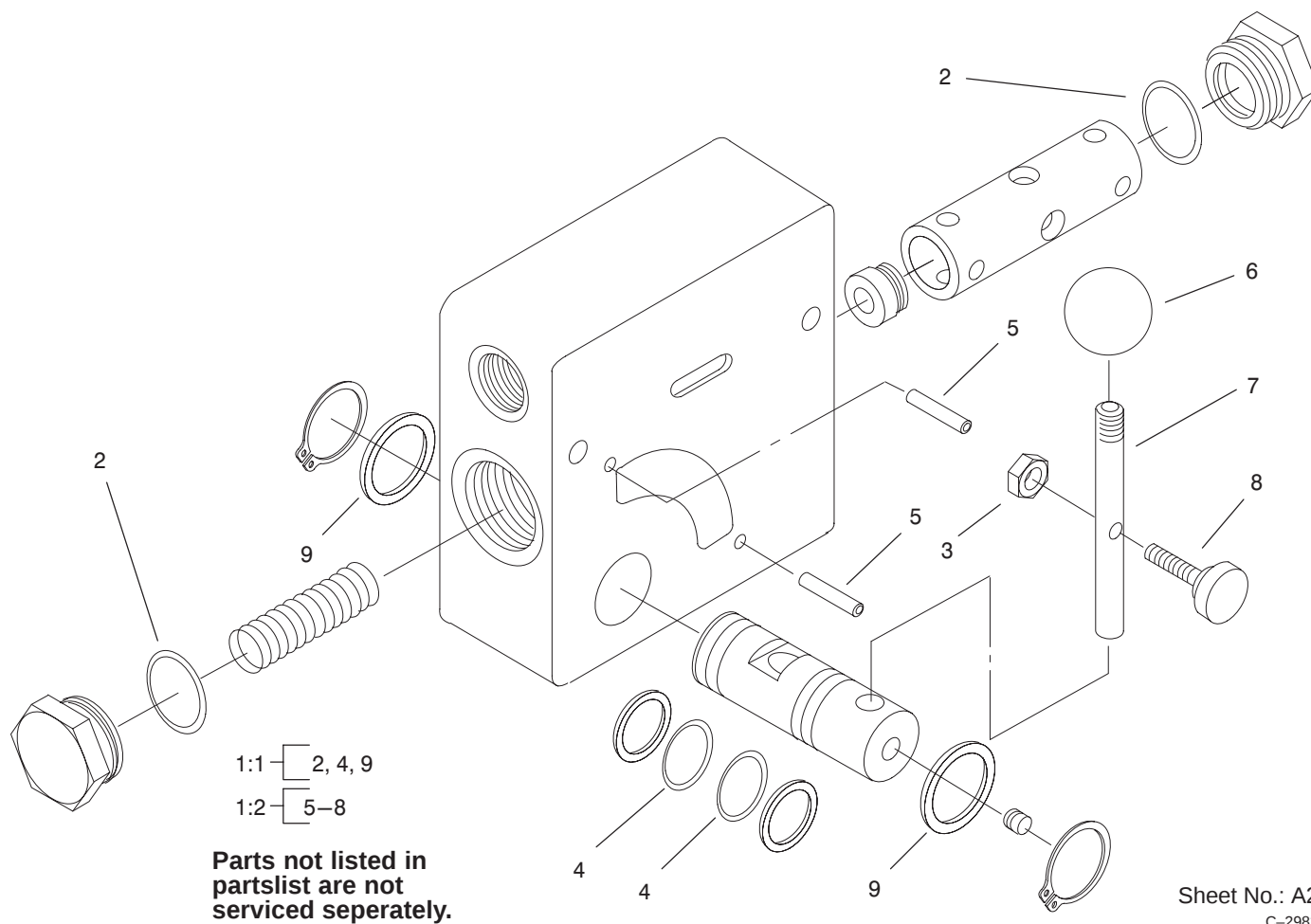


Sheet No.: 7

Hydraulic Assembly (Continued)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	98-4744	1	Hose ASM	17	98-9090	1	Grip-Control
2	98-4735	1	Valve-Check, HYD	18	32128-44	2	Nut
2:1	237-30	1	O-Ring	19	98-4724	1	Tube-HYD
2:2	237-79	1	O-Ring	20	340-4	4	Adapter
3	98-9917	1	Tube-HYD	20:1	237-30	1	O-Ring
4	98-4799	2	Tube-Spacer	20:2	237-79	1	O-Ring
5	94-6031	1	Fitting-HYD	21	322-13	4	Screw-HH
5:1	237-30	1	O-Ring	22	98-4747	2	Hose-HYD, Pressure, High
6	340-98	2	Fitting-HYD, 90°	23	98-4695	4	Tube-Spacer
6:1	237-79	1	O-Ring	24	321-14	2	Screw-HH
6:2	237-30	1	O-Ring	25	3256-23	4	Washer-Flat
7	104-4221	1	Kit-Valve, HYD	26	3296-29	4	Nut-Lock, NI
8	95-3209	1	Fitting-Thread, Straight	27	3256-22	2	Washer-Flat
8:1	237-79	2	O-Ring	28	3296-42	2	Nut-Lock, NI
9	99-3072	1	Valve-Selector	29	100-8818	2	Sleeve-Guard, Hose
10	42-9580	2	Nut-Hex	30	2412-129	4	Clamp-Hose
11	98-4729	1	Lever-Valve	31	340-105	2	Fitting-90°
12	98-9079	1	Adapter-Tee, Adjustable	31:1	237-80	1	O-Ring
12:1	237-30	1	O-Ring	31:2	237-30	1	O-Ring
12:2	237-79	2	O-Ring	32	354-73	4	Fitting
13	99-3077	1	Valve-HYD, Auxiliary	32:1	237-81	1	O-Ring
14	99-1376	1	Mount - Control	33	98-2713	2	Hose-Suction, HYD
15	33104-030	1	Screw-HHF	*34	99-5349	2	Spring-Compression
16	3234-5	2	Screw				

* Not illustrated

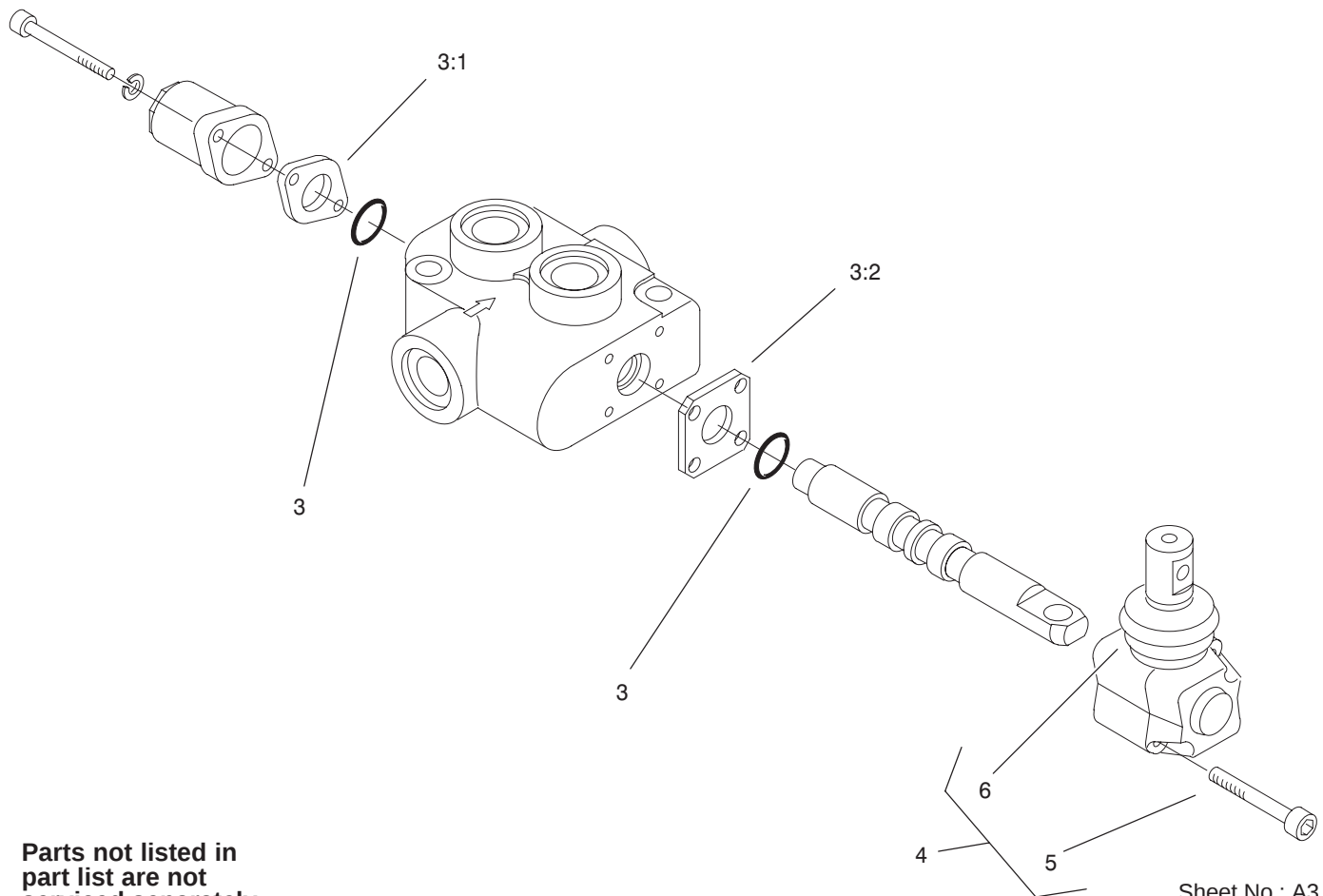


Hydraulic Valve Assembly No. 104-4221

Ref. No.	Part No.	Qty.	Description
☆1		1	Valve—Flow, Hydraulic
1:1	104—4231	1	Kit—Seal, Valve
1:2	98—9098	1	Kit—Hardware, Handle
3	3296—27	1	Nut—Lock NI

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



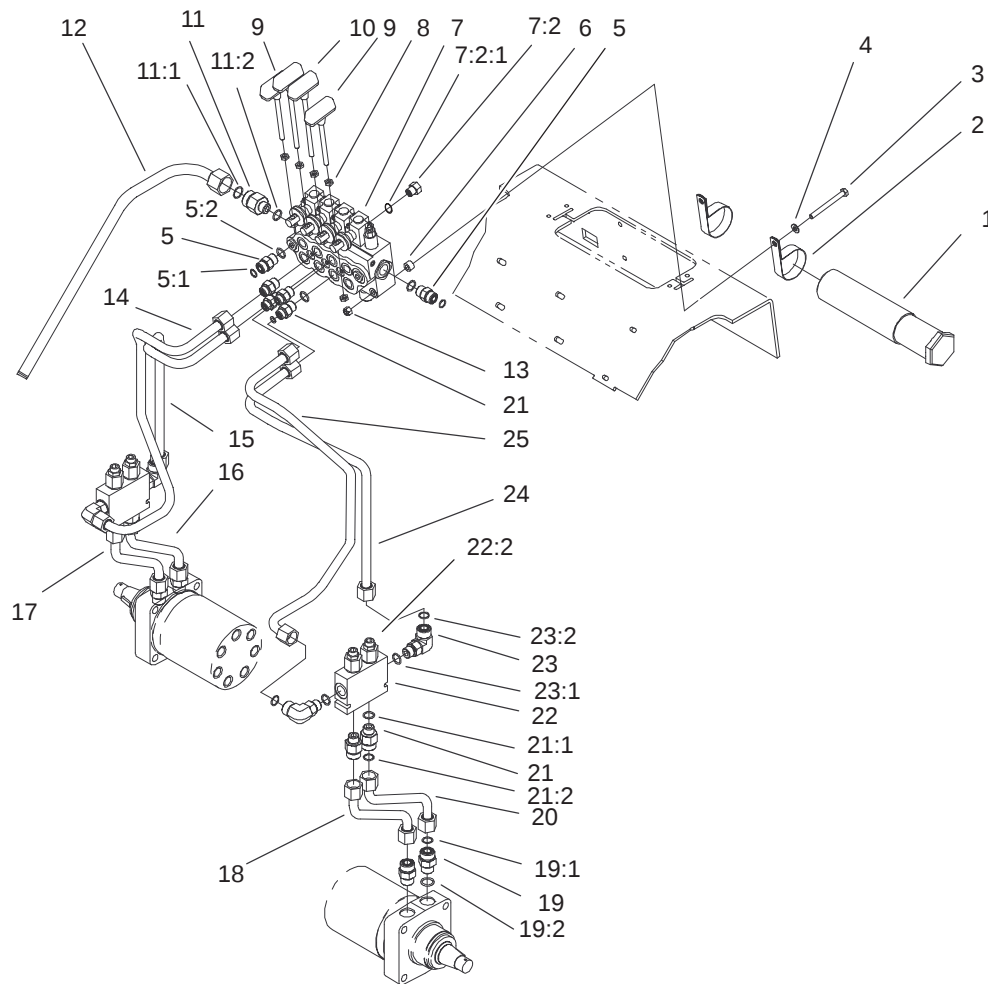
**Parts not listed in
part list are not
serviced separately**

Sheet No.: A3
C-2835

Hydraulic Valve Assembly No. 99-3072

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

Ref. No.	Part No.	Qty.	Description



Sheet No.: 8

Hydraulic Traction Assembly

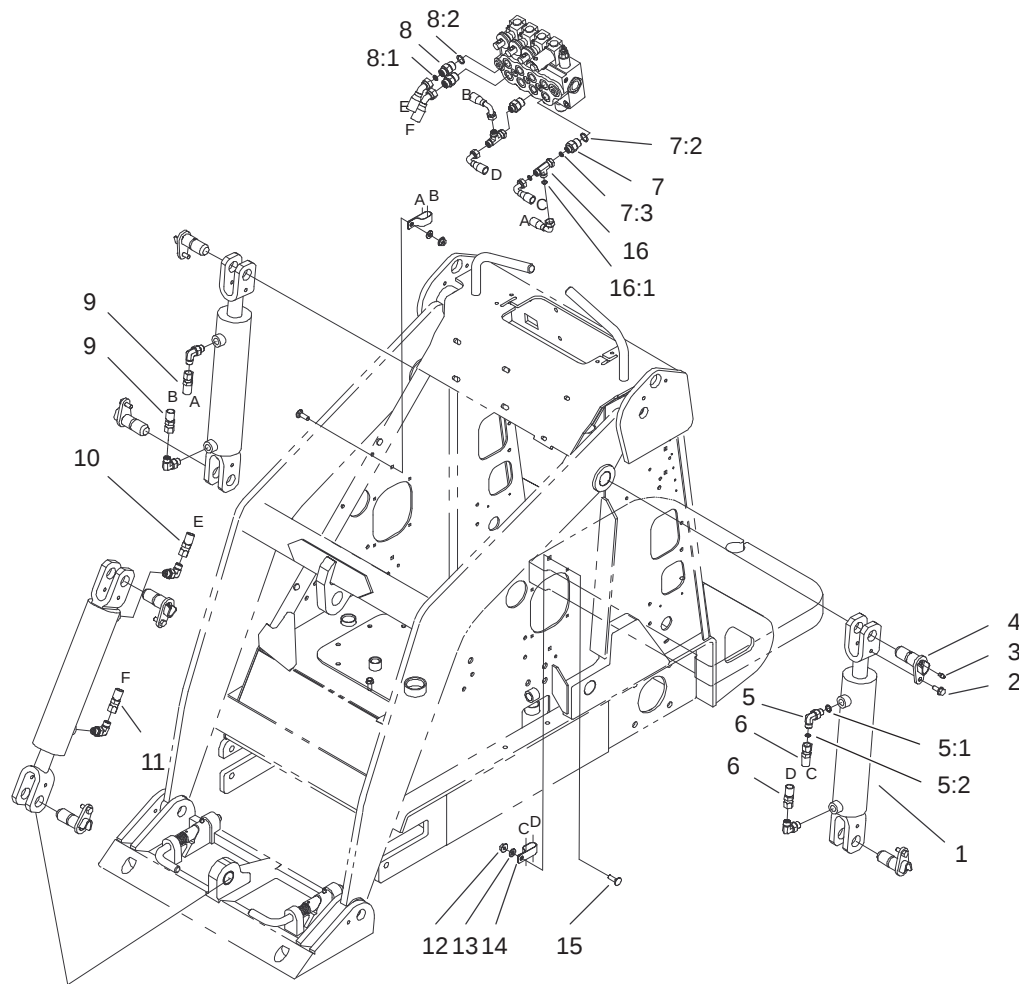
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	74-0720	1	Tube-Manual	19:1	237-65	1	O-Ring
2	2412-133	2	R-Clamp	19:2	237-80	1	O-Ring
3	322-20	3	Screw-HH	20	98-4742	1	Tube-HYD
4	3256-23	3	Washer-Flat	21	340-155	8	Fitting-HYD
5	340-4	2	Adapter	21:1	237-79	1	O-Ring
5:1	237-30	1	O-Ring	21:2	237-151	1	O-Ring
5:2	237-79	1	O-Ring	22	98-9050	2	Valve-Counterbalance
6	98-4695	3	Tube-Spacer	22:1	105-4099	1	Seal Kit - Valve
7	105-8406	1	Valve ASM - 4 Spool	22:2	99-3271	2	Valve-Cartridge
7:2	353-512	1	Plug	*22:2:1	98-2712	1	Kit-Seal, Valve
7:2:1	237-78	1	O-Ring	23	340-153	4	Fitting-HYD
8	42-9580	8	Nut-Hex	23:1	237-79	1	O-Ring
9	98-4671	2	Cylinder Handle ASM	23:2	237-151	1	O-Ring
10	98-4670	2	Drive Handle ASM	24	98-4738	1	Tube-HYD
11	98-9921	1	Fitting-Thread, Straight	25	98-4739	1	Tube-HYD
11:1	237-145	1	O-Ring				
11:2	237-79	1	O-Ring				
12	99-3021	1	Tube-HYD				
13	3296-29	3	Nut-Lock, NI				
14	98-4737	1	Tube-HYD				
15	98-4736	1	Tube-HYD				
16	98-4740	1	Tube-HYD				
17	98-4741	1	Tube-HYD				
18	98-4743	1	Tube-HYD				
19	340-7	4	Adapter				

* Not illustrated

This diagram shows the exploded view of a hydraulic cylinder assembly. The components are labeled with numbers 1 through 7. Callout 1 points to the main cylinder body. Callout 2 points to a cap screw. Callout 3 points to a piston rod assembly. Callout 4 points to a rod end fitting. Callout 5 points to a rod end cap. Callout 6 points to a rod end seal. Callout 7 points to a rod end bracket. Callout 7:1 points to a rod end seal. Callout 7:2 points to a rod end seal.

Sheet No.: A5
C-2995

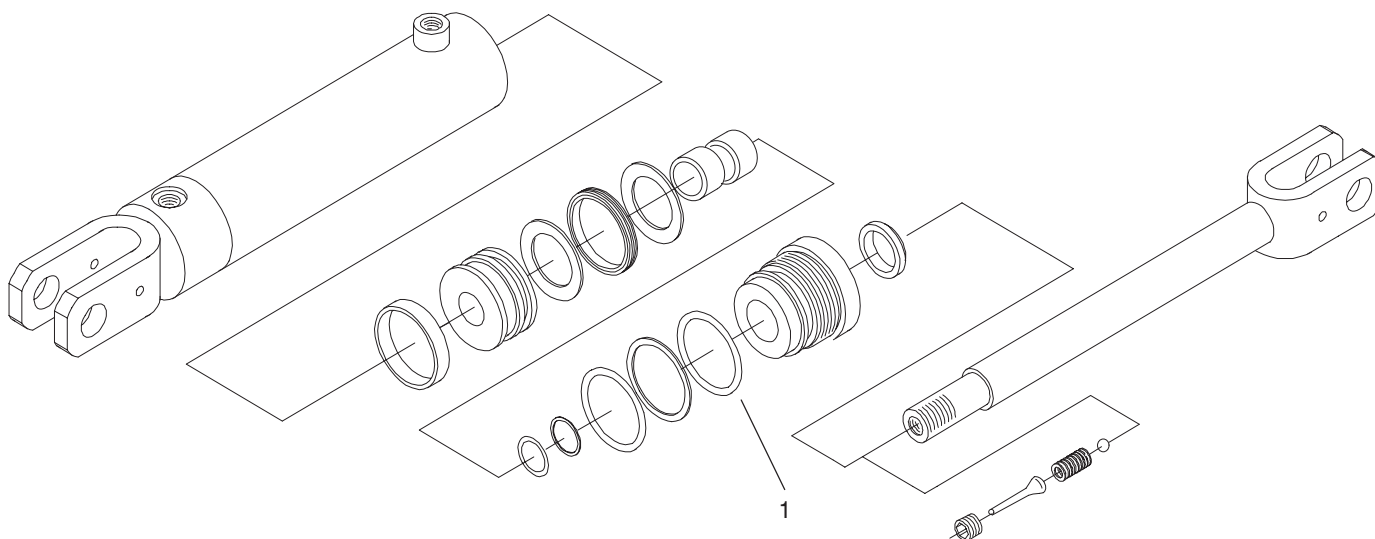
Ref. No.	Part No.	Qty.	Description



Sheet No.: 9

Hydraulic Cylinder Assembly

Ref. No.	Part No.	Qty.	Description
1	100-4163	3	Kit-Cylinder, Hydraulic
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
6	98-4748	2	Hose-Pressure, Low
7	340-133	2	Adapter
7:2	237-79	1	O-Ring
7:3	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	2	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	3230-2	2	Screw-CARR
16	340-151	2	Fitting
16:1	237-75	3	O-Ring



**Parts not listed in
part list are not
serviced separately**

Sheet No.: A6

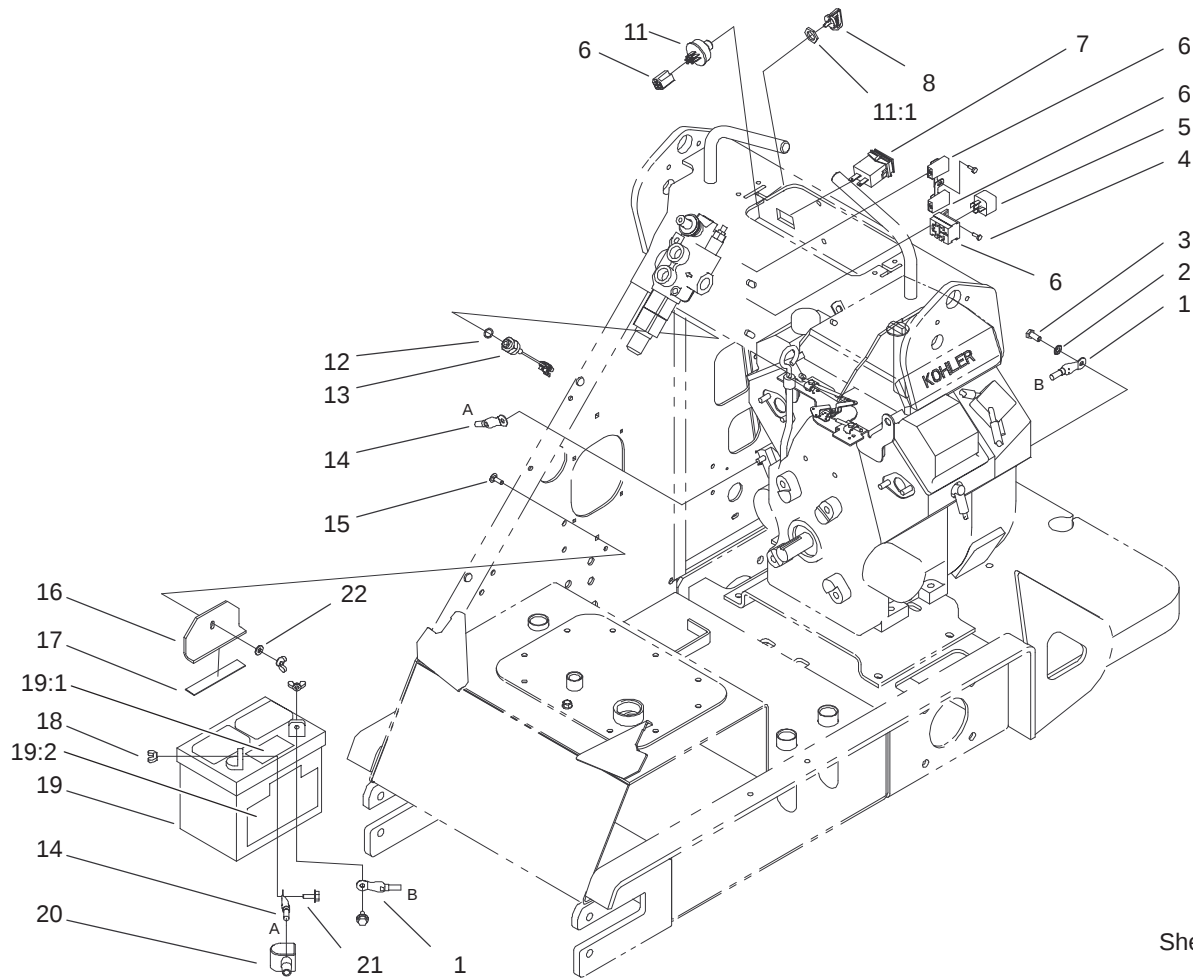
C-2824

Kit-Hydraulic Cylinder Assembly No. 100-4163

Ref. No.	Part No.	Qty.	Description
☆1 1	99-3065	1 1	Cylinder-Hydraulic Kit-Seal, Hydraulic Cylinder

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



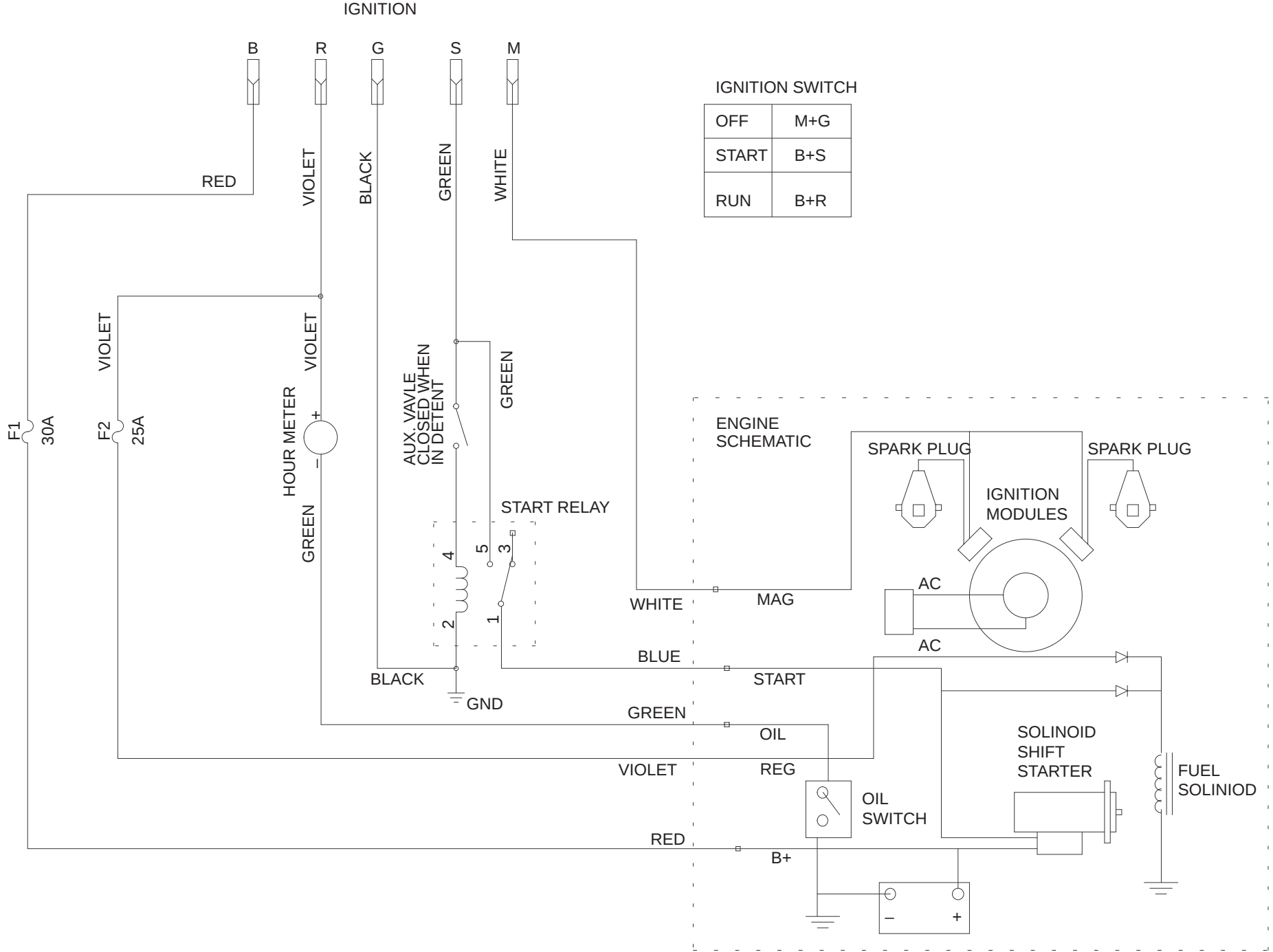
Sheet No.: 11

Electrical Assembly

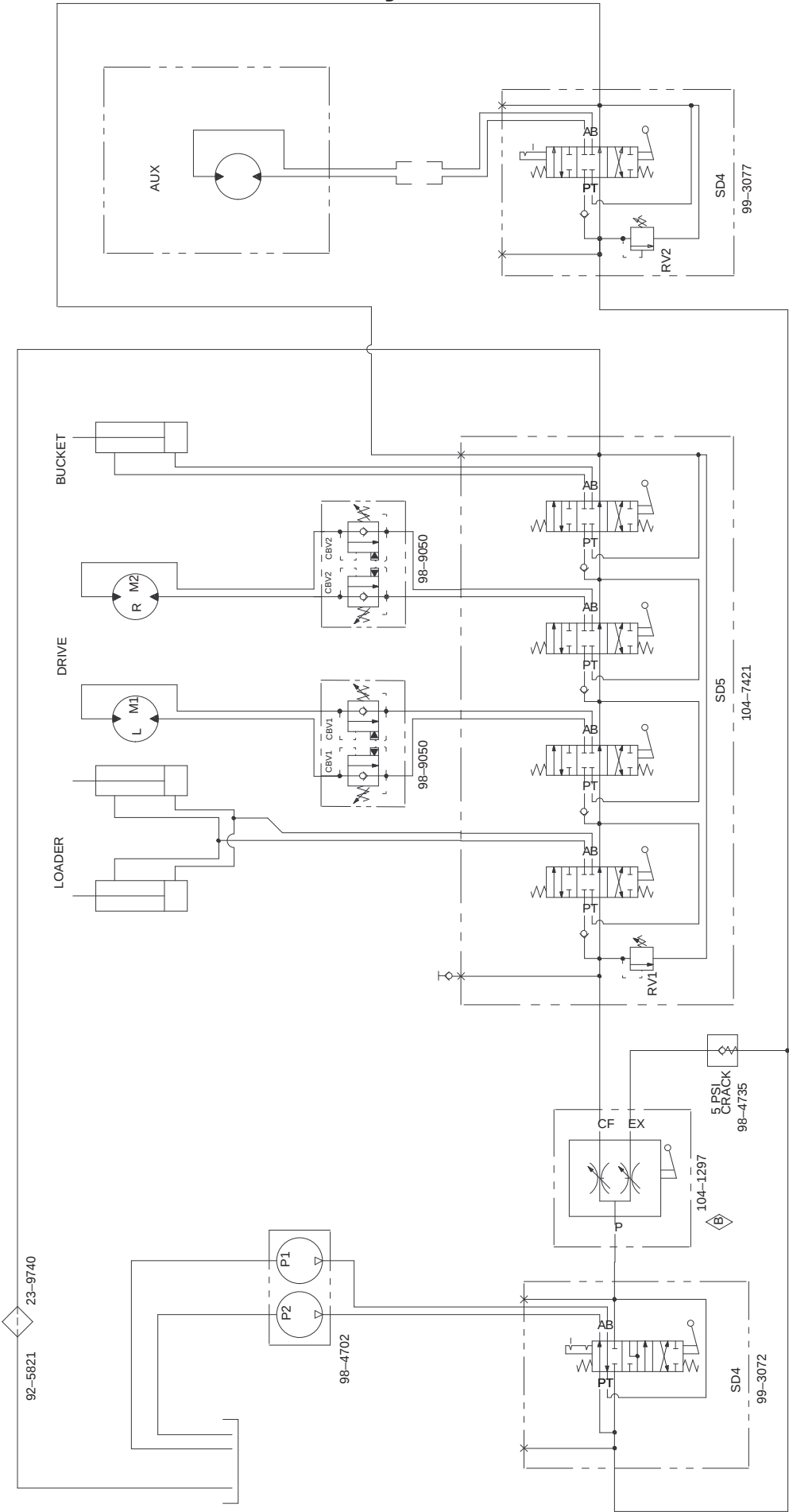
Ref. No.	Part No.	Qty.	Description
1	111074	1	Cable—Black
2	3255—8	1	Washer—Lock/Ext
3	33114—020	1	Screw—HH
4	32144—87	2	Screw—Forming, Thread
5	98—7249	1	Relay
6	98—4650	1	Harness—Electrical
7	94—4208	1	Hourmeter
8	63—8360	2	Key—Ignition
11	116338	1	Key Switch ASM
11:1	101884	1	Nut
11:2	9201604	1	Washer—Lock, Internal
12	237—42	1	O—Ring
13	72—4310	1	Switch
14	92—6989	1	Wire
15	3229—2	1	Screw—CARR
16	105—8401—03	1	Clamp—Battery (Black)
17	94—9566	1	Pad—Footrest
18	32103—22	3	Nut—Wing
19	104—2492	1	Battery
19:1	104—4163	1	Decal—Battery
19:2	104—5091	1	Decal—Battery
20	77—0981	1	Boot—Terminal
21	3234—4	2	Screw—HHF
22	3256—22	1	Washer—Flat

Ref. No.	Part No.	Qty.	Description

Electrical Schematic

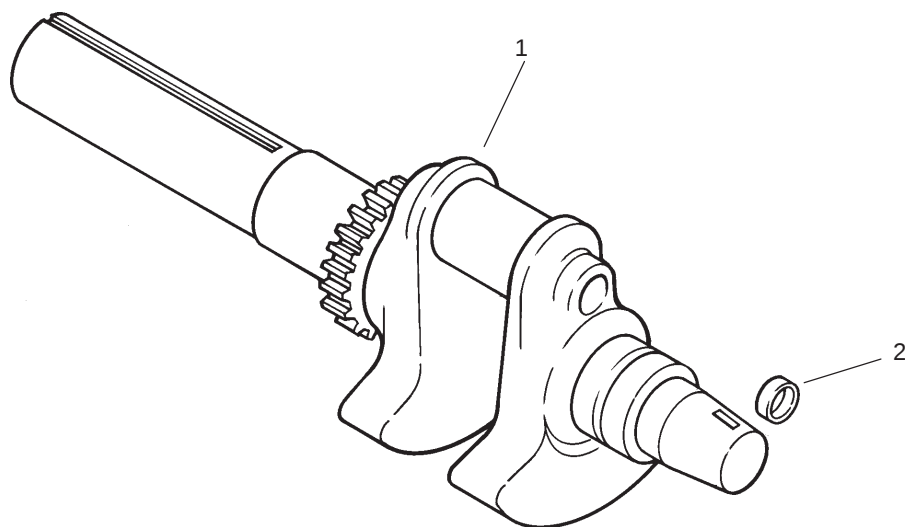


Hydraulic Schematic



DISPLACEMENT AND PRESSURE CHART						
COMPONENT\DISPLACEMENT		PRESSURE			FLOWRATE*	
COMPONENT	CU IN/REV	CU CM/REV	PSI	BARS	GPM	LPM
P1	0.55	CU IN	9 CC		8.4	31.8
P2	0.24	CU IN	4 CC		3.7	14.0
M1	29.1	CU IN	476 CC			
M2	29.1	CU IN	476 CC			
RV1			3000 PSI	207 BARS		
RV2			3000 PSI	207 BARS		
CBV1			1000 PSI	69 BARS		
CBV2			1000 PSI	69 BARS		

* FLOWRATE CALCULATED AT 3600 RPM AND 98% EFFICIENCY.

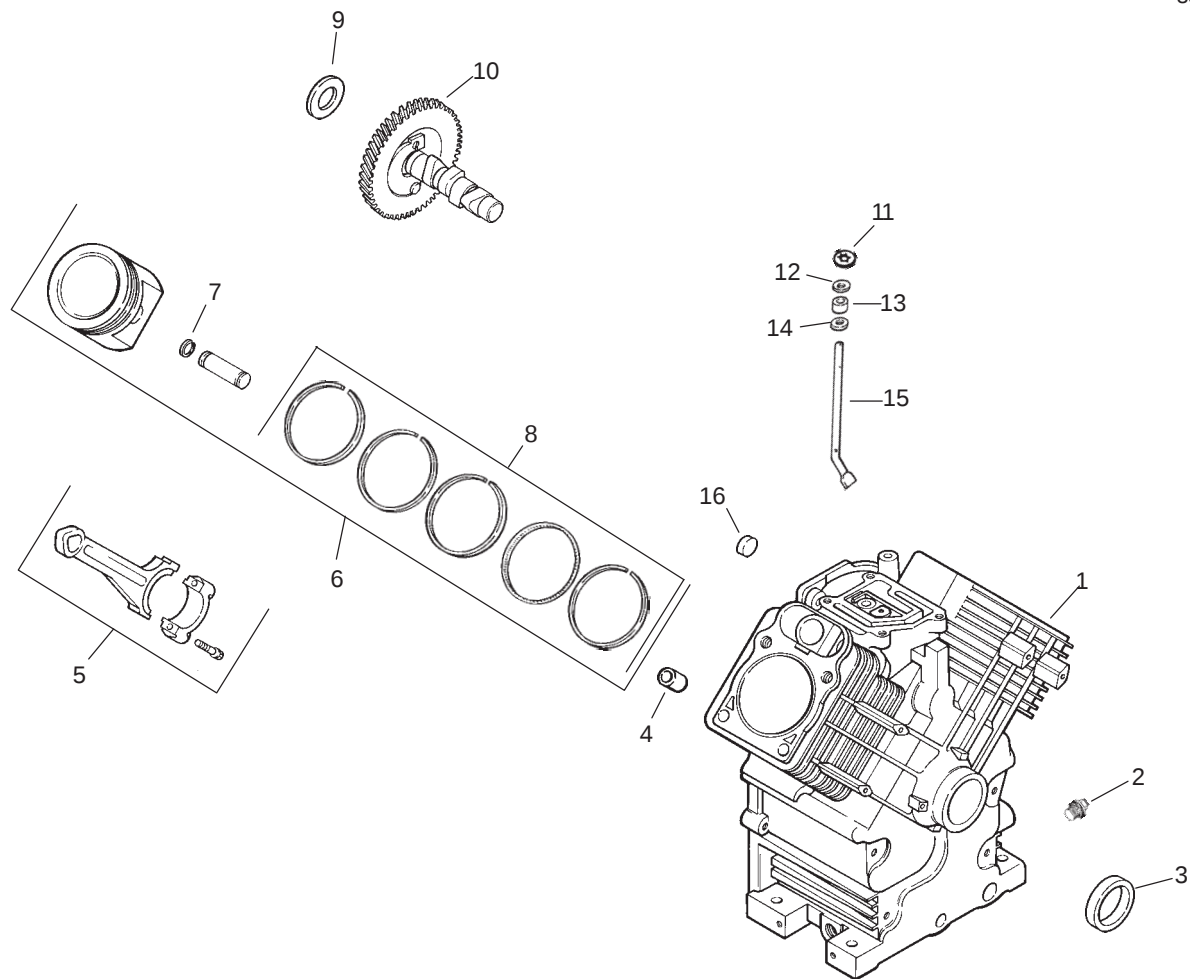


Group 1 – Crankshaft Assembly Kohler CH20S PS-64667

Ref. No.	Part No.	Qty.	Description
1	24 014 90—S	1	Crankshaft assembly (Includes 2)
2	52 139 09—S	1	Plug, cup

Ref. No.	Part No.	Qty.	Description

Obtain Parts from Kohler

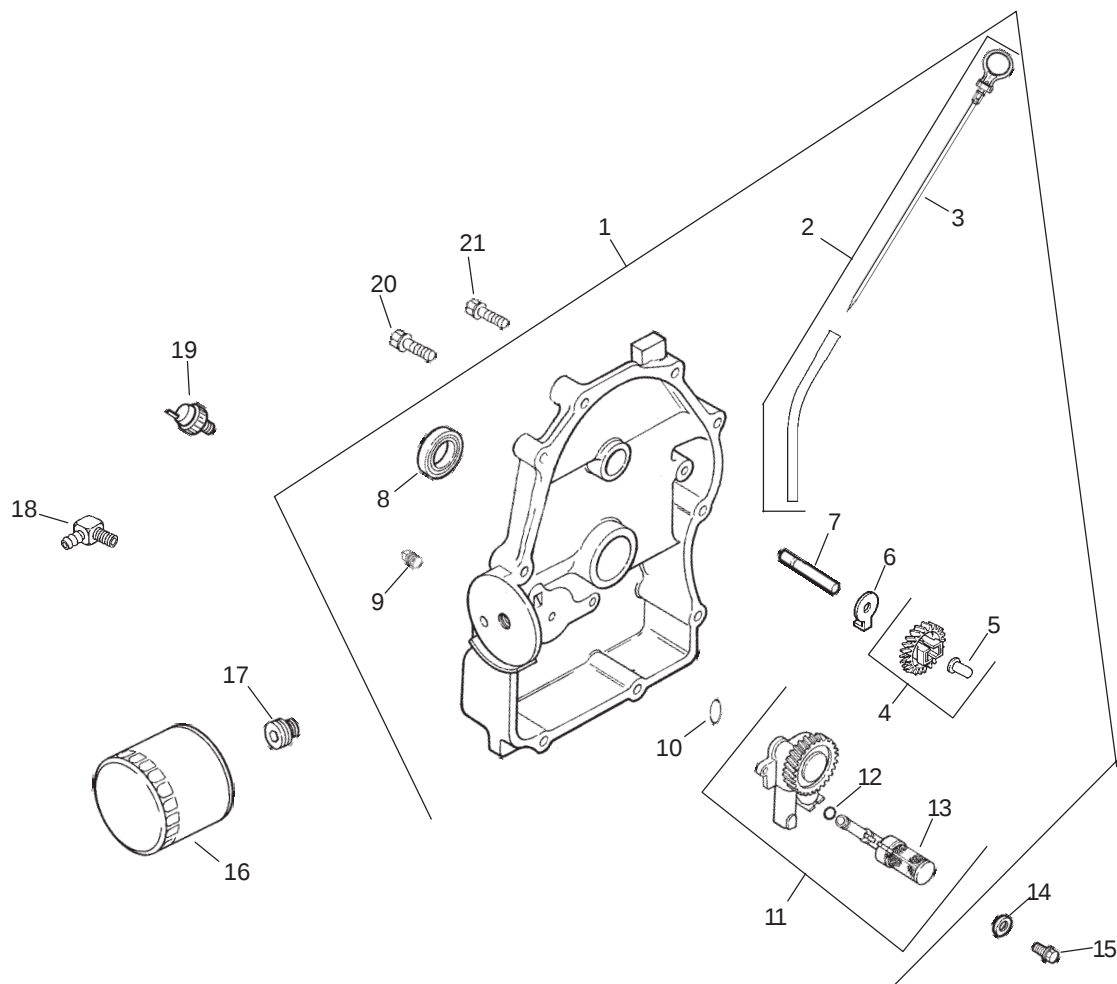


Group 2 – Crankcase Assembly Kohler CH20S PS-64667

Ref. No.	Part No.	Qty.	Description
1		1	Crankcase (USE: Miniblock 24 782 15)
2	52 139 02-S	2	Plug, hex. hd. 3/8 N.P.T.F.
3	24 032 01-S	1	Seal, oil front
4	24 380 13-S	6	Pin, dowel locating
5	24 067 13-S	2	Connecting Rod (Std.)
	24 067 14-S	2	Connecting Rod (.25)
6	24 874 17-S	2	Piston w/Ring Set (Std.) (Includes 7, 8)
	24 874 18-S	2	Piston w/Ring Set (.25)
	24 874 19-S	2	Piston w/Ring Set (.50)
	24 874 14-S	2	Piston w/Ring Set (.08)
7	24 018 01-S	4	Retainer, piston pin
8	24 108 11-S	2	Ring Set (Std.)
	24 108 12-S	2	Ring Set (.25)
	24 108 13-S	2	Ring Set (.50)
9	12 422 09-S	A.R.	Shim, camshaft
	12 422 13-S	A.R.	Shim, camshaft
	12 422 07-S	A.R.	Shim, camshaft
	12 422 08-S	A.R.	Shim, camshaft
	12 422 10-S	1	Shim, camshaft
	12 422 11-S	A.R.	Shim, camshaft

Ref. No.	Part No.	Qty.	Description
	12 422 12-S	A.R.	Shim, camshaft
10	24 012 10-S	1	Camshaft
11	24 018 09-S	1	Ring, retainer
12	M-931010-S	1	Washer, nylon (top)
13	28 032 09-S	1	Seal, governor cross shaft
14	24 468 15-S	1	Washer, (bottom)
15	24 144 33-S	1	Shaft, governor cross
16	52 139 09-S	1	Plug, cup

Obtain Parts from Kohler

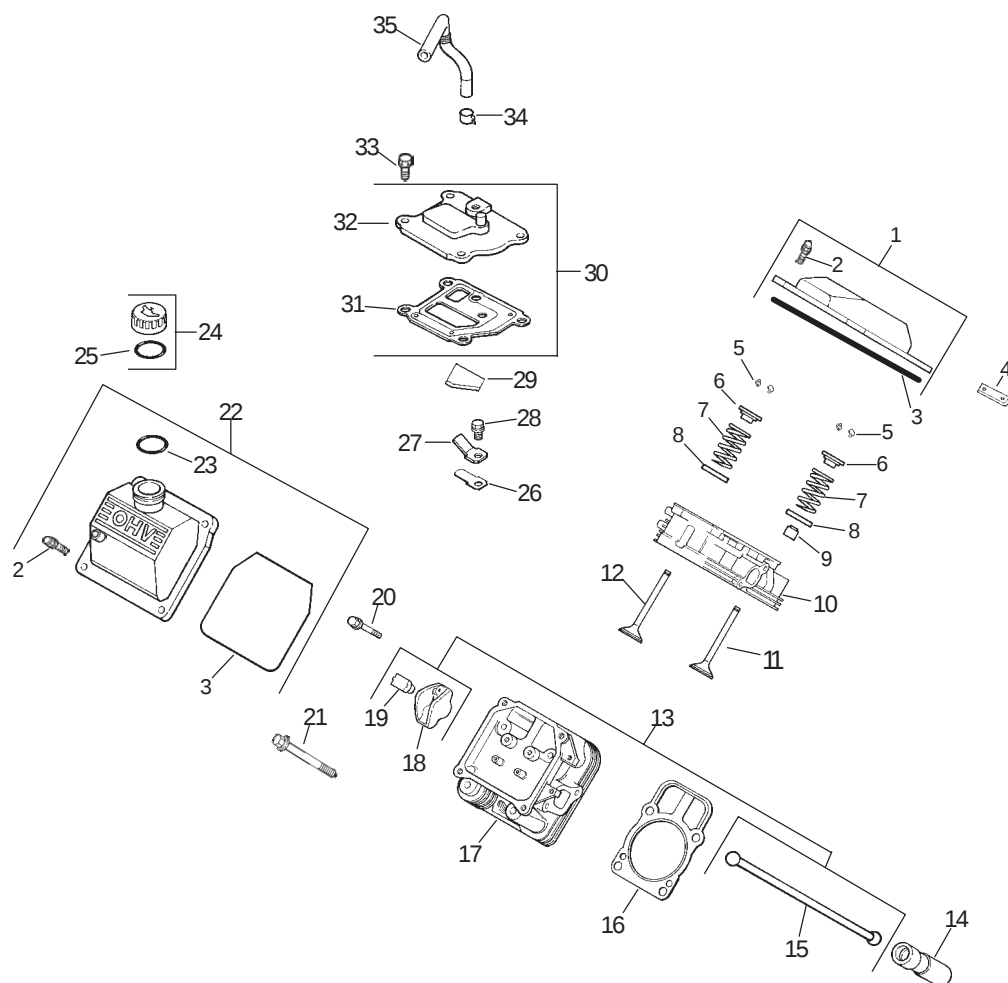


Group 3 – Oil Pan/Lubrication Assembly Kohler CH20S PS-64667

Ref. No.	Part No.	Qty.	Description
1	24 009 82-S	1	Kit, closure plate (Includes 2-13)
2	24 755 121-S	1	Kit, dipstick & tube (Includes 3)
3	24 038 10-S	1	Dipstick
4	24 043 12-S	1	Kit, governor gear w/pin (Includes 5)
5	12 380 01-S	1	Pin, governor regulating
6	52 448 02-S	1	Tab, locking
7	12 144 02-S	1	Shaft, governor gear
8	52 032 08-S	1	Seal, oil (PTO end)
9	25 139 60-S	2	Plug, allen hd. 1/8 pipe
10	24 153 08-S	1	O-Ring
11	24 393 10-S	1	Oil pump assembly (Includes 12, 13)
12	24 153 01-S	1	O-Ring, oil pick-up
13	24 381 04-S	1	Pick-up, oil
14	M-631005-S	2	Washer, plain 6 mm
15	M-645025-S	2	Screw, hex. flange M6x1.0x25
16	52 050 02-S	1	Filter, oil
17	24 136 01-S	1	Nipple, oil filter
18	25 155 02-S	1	Connector

Ref. No.	Part No.	Qty.	Description
19	24 099 03-S	1	Switch, oil pressure
20	24 086 16-S	9	Screw, hex. flange M8x1.25x45
21	24 086 17-S	1	Screw, hex. flange M8x1.25x45

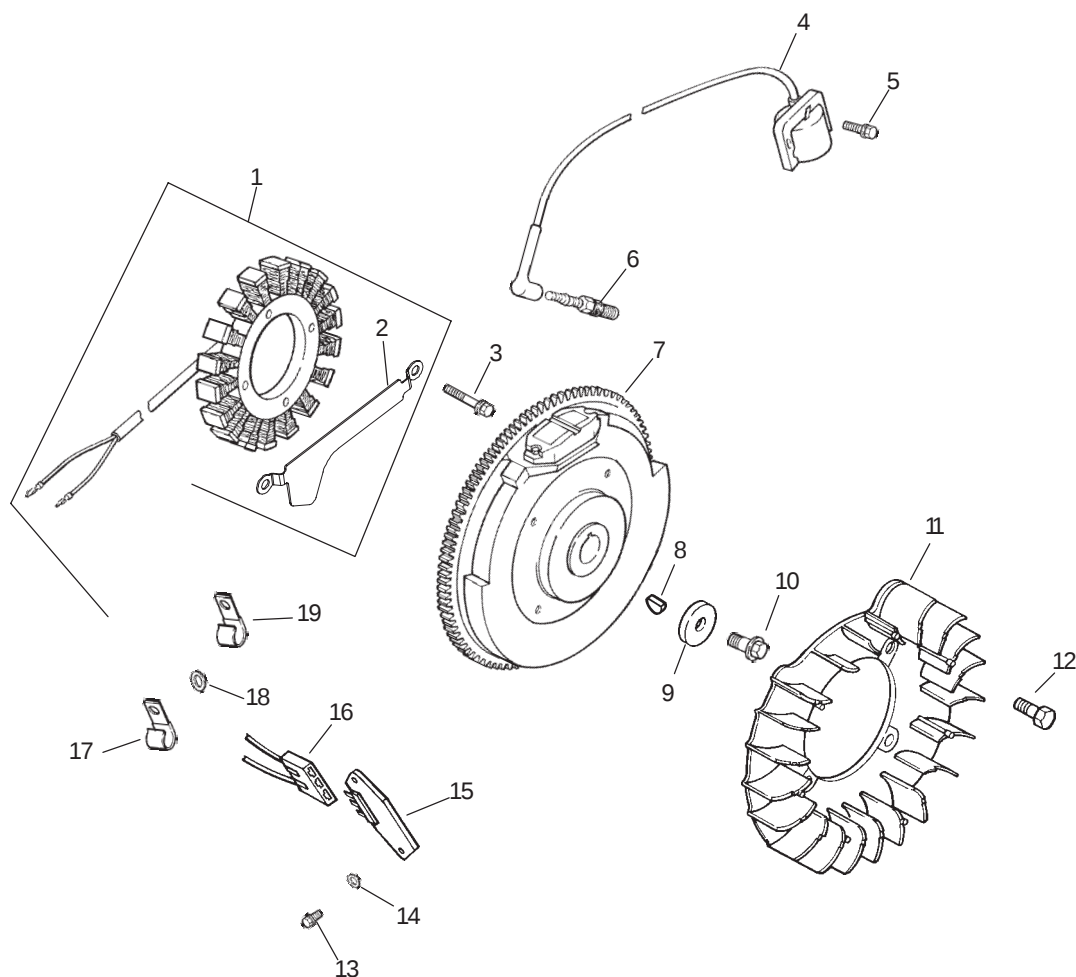
Obtain Parts from Kohler



Group 4 – Head/Valve/Breather Assembly Kohler CH20S PS-64667

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	24 755 74-S	1	Kit, valve cover – plain (Includes 2, 3)	19	24 599 01-S	4	Pivot, rocker arm
2	24 086 32-S	4	Screw, shoulder	20	M-640034-S	4	Screw, hex. flange M6x1.0x34
3	24 153 16-S	1	O-Ring	21	12 086 16-S	8	Screw, hex. flange M10x1.5x91
4	24 445 01-S	1	Strap, lifting	22	24 755 75-S	1	Kit, valve cover – oil fill (Includes 2, 3, 23)
5	12 755 03-S	4	Kit, retainer	23	24 153 09-S	1	O-Ring
6	12 173 01-S	4	Cap, valve spring	24	24 755 46-S	1	Kit, oil fill cap (Includes 25)
7	24 089 02-S	4	Spring, valve	25	12 153 03-S	1	O-Ring, oil fill cap
8	235011-S	4	Retainer, spring	26	24 402 03-S	1	Reed, breather
9	66 032 05-S	2	Seal, valve stem	27	12 018 01-S	1	Retainer, breather reed
10	24 318 09-S	1	Head assembly, #1 cylinder	28	M-545010-S	1	Screw, hex. flange M5x0.8x10
11	24 017 01-S	2	Valve, intake (Std.)	29	24 050 01-S	1	Filter, breather
	24 017 02-S	2	Valve, intake (.25)	30	24 033 01-S	1	Kit, breather (Includes 31, 32)
12	24 016 01-S	2	Valve, exhaust (Std.)	31	24 041 23-S	1	Gasket, breather
	24 016 02-S	2	Valve, exhaust (.25)	32	24 096 58-S	1	Cover, breather
13	24 755 66-S	1	Kit, valve train (Includes 15, 18, 19)	33	M-645020-S	4	Screw, hex. flange M6x1.0x20
14	25 351 01-S	4	Lifter, valve	34	25 237 14-S	1	Clamp, breather
15	24 411 05-S	4	Rod, push	35	24 326 26-S	1	Hose, breather
16	24 041 08-S	2	Gasket, cylinder head				
17	24 318 10-S	1	Head assembly, #2 cylinder				
18	25 186 01-S	4	Arm, rocker				

Obtain Parts from Kohler



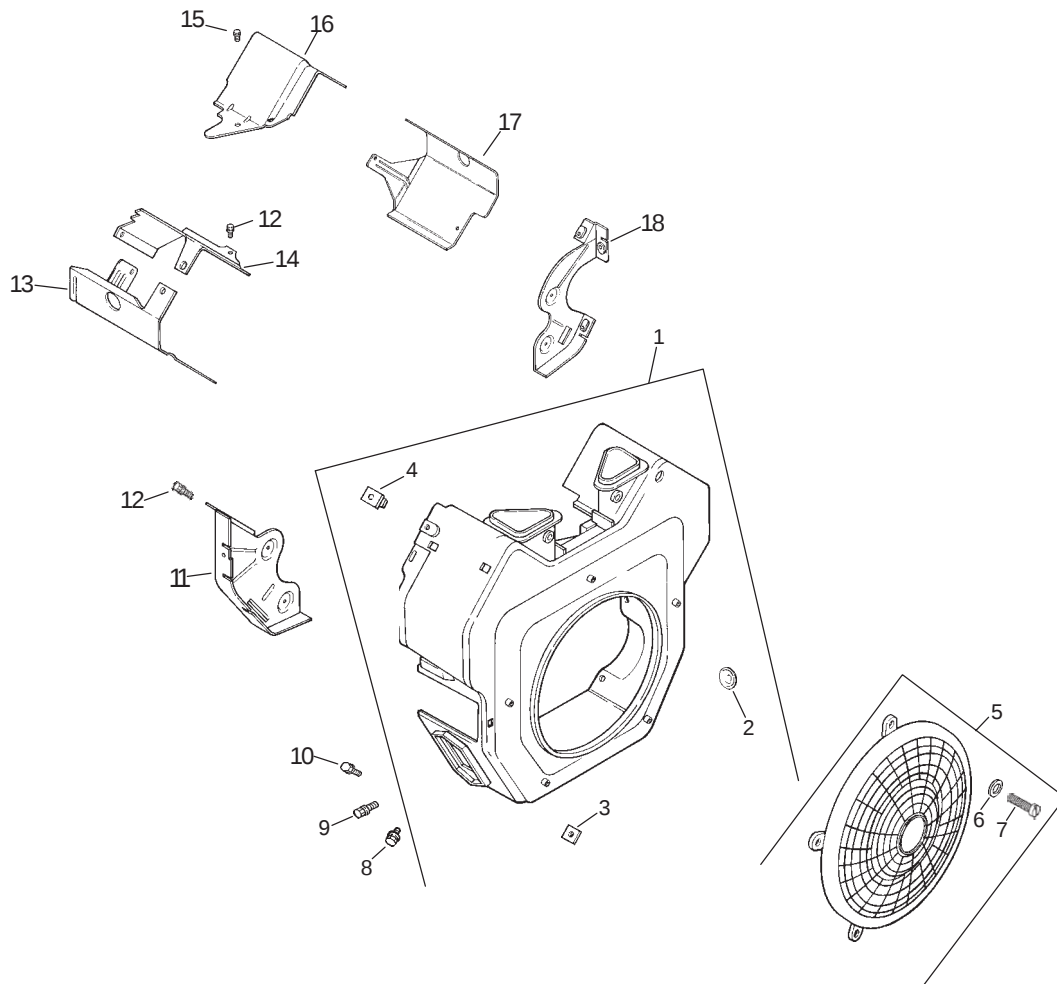
Group 5 – Ignition/Electrical Assembly Kohler CH20S PS-64667

Ref. No.	Part No.	Qty.	Description
1	54 755 09-S	1	Kit, 15 amp stator (Includes 2)
2	24 126 71-S	1	Bracket, stator wire
3	M-548025-S	2	Screw, hex. cap M5x0.8x25
4	24 584 01-S	2	Module, ignition
5	M-545020-S	4	Screw, hex. flange M5x0.8x20
6	12 132 06-S	2	Spark Plug
7	24 025 04-S	1	Flywheel
8	X-42-15-S	1	Key
9	12 468 03-S	1	Washer, plain 3/8
10	12 086 14-S	1	Screw, hex. flange M10x1.5x46
11	24 157 03-S	1	Fan
12	25 086 47-S	4	Bolt, shoulder
13	24 086 18-S	2	Screw, phillips hd. 11-16x7/8
14	X-25-92-S	2	Washer, plain 3/16
15	25 403 03-S	1	Rectifier-regulator 15 amp
16	236602-S	1	Connector
17	235173-S	1	Clip, cable
18	X-25-63-S	1	Washer, plain 1/4

Ref. No.	Part No.	Qty.	Description
19	48 154 02-S	1	Clip, cable (for B+ lead)
*	24 176 08-S	1	Harness, wiring
*	24 518 12-S	1	Lead, black (5" – 12 gauge – insulated grip barrel eyelet terminals)
*	25 454 03-S	2	Tie
*	25 086 91-S	2	Screw, sems hex. cap 10-16x1/2 (mounts 5 wire connector of wiring harness to barrel baffle above starter)
*	X-22-11-S	1	Washer, lock 1/4"

* Not Illustrated

Obtain Parts from Kohler

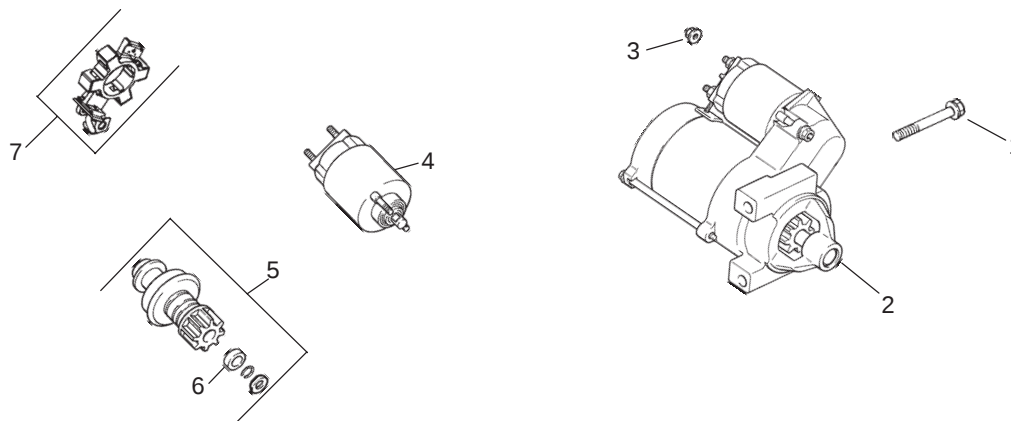


Group 6 – Blower Housing Assembly Kohler CH20S PS-64667

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	24 027 39-S	1	Housing, blower ASM (Includes 2-4, and Insert 24 332 01-S qty. 5)	13	24 063 20-S	1	Baffle, cylinder barrel – #2 side
2	25 139 16-S	1	Plug, button 9/16	14	24 063 17-S	1	Baffle, valley – #2 side
3	24 100 01-S	2	Nut, plastic	15	M-545010-S	2	Screw, hex. flange M5x0.8x10
4	24 100 02-S	2	Nut, plastic	16	24 063 24-S	1	Baffle, valley – #1 side
5	24 755 81-S	1	Kit, fixed guard (Includes 6, 7, and Insert 24 332 01-S qty. 5)	17	24 063 58-S	1	Baffle, cylinder barrel – #1 side
6	24 468 10-S	5	Washer, plain 1/4"	18	24 146 20-S	1	Plate, backing – #1 side
7	24 086 35-S	5	Screw, pan hd. M5x0.8x10	*	25 113 24-S	1	Decal, small round
8	M-551016-S	1	Screw, hex. flange M5x0.8x16	*	24 113 95-S	1	Decal, HP
9	M-545016-S	3	Screw, hex flange M5x0.8x16				
10	M-545020-S	4	Screw, hex flange M5x0.8x20				
11	24 146 16-S	1	Plate, backing – #2 side				
12	M-645016-S	6	Screw, hex. flange M6x1.0x16				

* Not Illustrated

Obtain Parts from Kohler

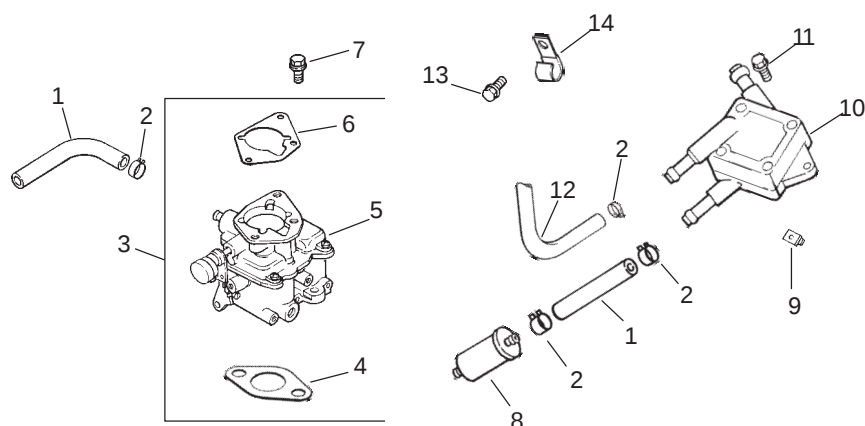


Group 7 – Starter Assembly Kohler CH20S PS-64667

Ref. No.	Part No.	Qty.	Description
1	M-839080-S	2	Screw, hex. flange M8x1.25x80
2	25 098 08-S	1	Starter, solenoid shift ASM (Includes 4-7)
3	M-841080-S	1	Nut, hex. flange M8x1.25
4	25 435 04-S	1	Kit, solenoid
5	25 755 33-S	1	Kit, pinion drive (Includes 6)
6	25 141 05-S	1	Ring
7	25 221 01-S	1	Kit, brush

Ref. No.	Part No.	Qty.	Description

Obtain Parts from Kohler



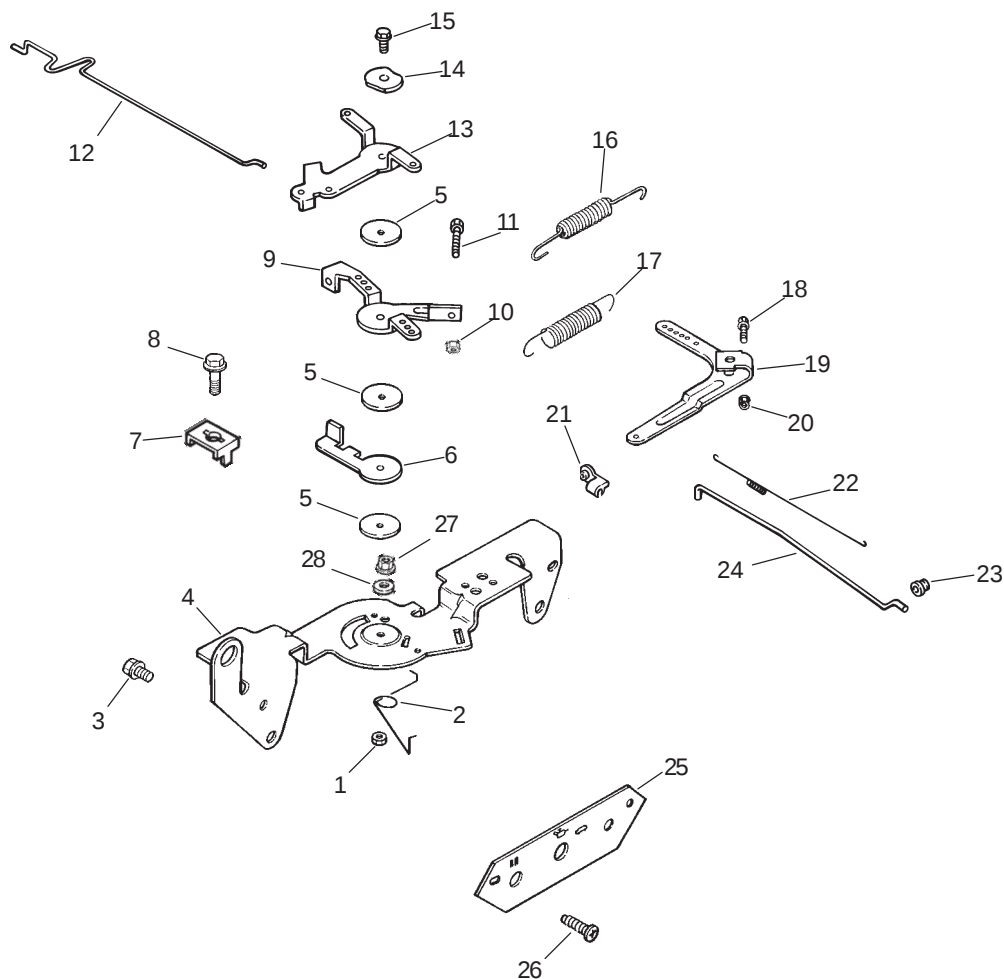
Group 8 – Fuel System Assembly Kohler CH20S PS-64667

Ref. No.	Part No.	Qty.	Description
1	25 353 32-S	2	Line, fuel 9-1/4"
2	25 237 14-S	6	Clamp, hose
3	24 853 43-S	1	Kit, carburetor w/gasket (Includes 4-6)
4	24 041 17-S	1	Gasket, carburetor
5	24 053 43	1	Carburetor assembly (For information only not available separately) (Service with: 24 757 01-S, 24 757 02-S, 24 757 03-S, 24 757 07-S)
6	24 041 06-S	1	Gasket, air cleaner
7	M-651030-S	2	Screw, hex. flange M6x1.0x30
8	24 050 02-S	1	Filter, fuel
9	24 100 01-S	2	Nut, plastic
10	24 393 16-S	1	Pump, fuel – pulse
11	24 086 12-S	2	Screw, hex. cap 18 mm
12	24 353 02-S	1	Line, fuel 15-1/2"

Ref. No.	Part No.	Qty.	Description
13	M-650012-S	1	Screw, hex. flange M6x1.0x10
14	47 154 01-S	1	Clip, cable
*	24 757 01-S	1	Kit, solenoid
*	24 757 02-S	1	Kit, float
*	24 757 03-S	1	Kit, carburetor repair
*	24 757 07-S	1	Kit, choke repair

* Not Illustrated

Obtain Parts from Kohler

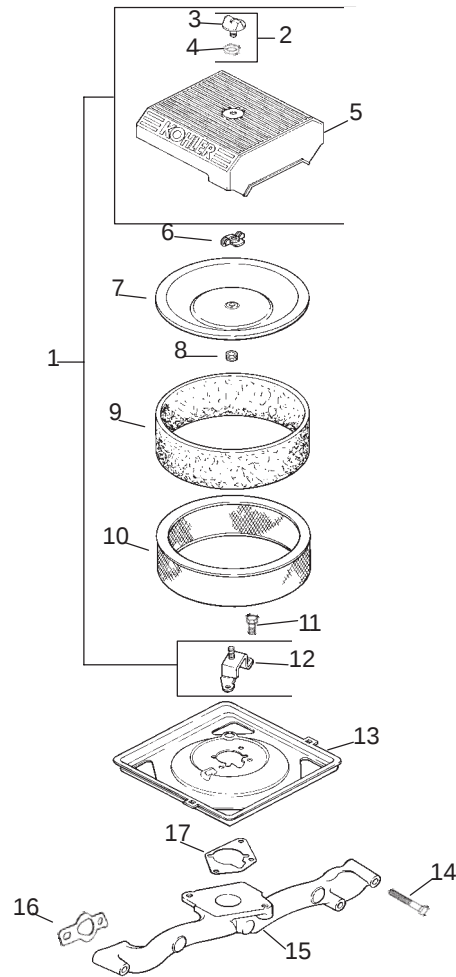


Group 9 – Engine Control Assembly Kohler CH20S PS-64667

Ref. No.	Part No.	Qty.	Description
1	M-547050-S	1	Nut, hex. lock M5x0.8
2	24 089 03-S	1	Spring, choke return
3	M-645016-S	4	Screw, hex. flange M6x1.0x16
4	24 126 56-S	1	Bracket, control
5	24 468 01-S	3	Washer, plain 1/4
6	24 090 07-S	1	Lever, throttle actuator
7	12 237 01-S	2	Clamp, cable
8	M-545016-S	3	Screw hex. flange M5x0.8x16
9	24 090 03-S	1	Lever, throttle control
10	M-446030-S	1	Nut, hex. flange M4x0.7
11	M-401030-S	1	Screw, hex. flange M4x0.7x30
12	24 079 02-S	1	Linkage, choke
13	24 090 05-S	1	Lever, choke
14	41 468 03-S	1	Washer, spring 1/4
15	M-545020-S	1	Screw, hex. flange M5x0.8x20
16	24 089 51-S	1	Spring, throttle limiter
17	24 089 46-S	1	Spring, governor
18	24 211 03-S	1	Bolt, rd. hd. sq. neck M6x1.0x25

Ref. No.	Part No.	Qty.	Description
19	24 090 33-S	1	Lever, governor
20	M-641060-S	1	Nut, hex. flange M6x1.0
21	25 158 11-S	1	Bushing, linkage retaining
22	24 089 01-S	1	Spring, linkage
23	25 158 08-S	1	Bushing, throttle linkage
24	24 079 01-S	1	Linkage, throttle
25	24 378 01-S	1	Panel, control
26	24 086 06-S	1	Screw, phillips hd. 11-16x3/4"
27	M-541050-S	1	Nut, hex. flange M5x0.8
28	X-20-1-S	1	Washer, lock 1/4

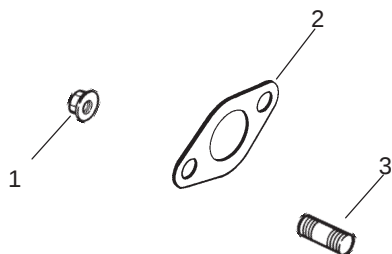
Obtain Parts from Kohler



Group 10 – Air Intake/Filtration Assembly Kohler CH20S PS-64667

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	24 743 06-S	1	Kit, air cleaner cover (Includes 2-5, 12)				
2	54 755 01-S	1	Kit, knob w/seal (Includes 3, 4)				
3	25 341 03-S	1	Knob, cover				
4	24 153 20-S	1	O-Ring, cover knob				
5	24 096 26-S	1	Cover, air cleaner				
6	12 100 01-S	1	Wing Nut				
7	24 096 01-S	1	Cover, inner air cleaner				
8	24 032 03-S	1	Seal				
9	24 083 02-S	1	Precleaner				
10	47 083 03-S	1	Element				
11	M-639016-S	3	Screw, hex. flange M6x1.0x16				
12	24 126 21-S	1	Bracket, air cleaner				
13	24 094 03-S	1	Base, air cleaner				
14	25 086 84-S	4	Screw, hex. flange M6x1.0x55				
15	24 164 14-S	1	Manifold, intake				
16	24 041 01-S	2	Gasket, intake manifold				
17	24 041 06-S	1	Gasket, air cleaner base				

Obtain Parts from Kohler



Group 11 – Exhaust Assembly Kohler CH20S PS-64667

Ref. No.	Part No.	Qty.	Description
1	M-841080-S	4	Nut, hex. flange M8x1.25
2	24 041 02-S	2	Gasket, exhaust
3	25 072 04-S	4	Stud, M8x1.25x33
*	24 522 181	1	Short Block
*	24 782 15	1	Miniblock
*	24 755 107-S	1	Gasket Set

Ref. No.	Part No.	Qty.	Description

* Not Illustrated

Obtain Parts from Kohler

Maintenance Record

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