Form No. 3325-579

Dingo® 322

Compact Utility Loader

Model No. 22305—210000001 and Up
Model No. 22305A—210000001 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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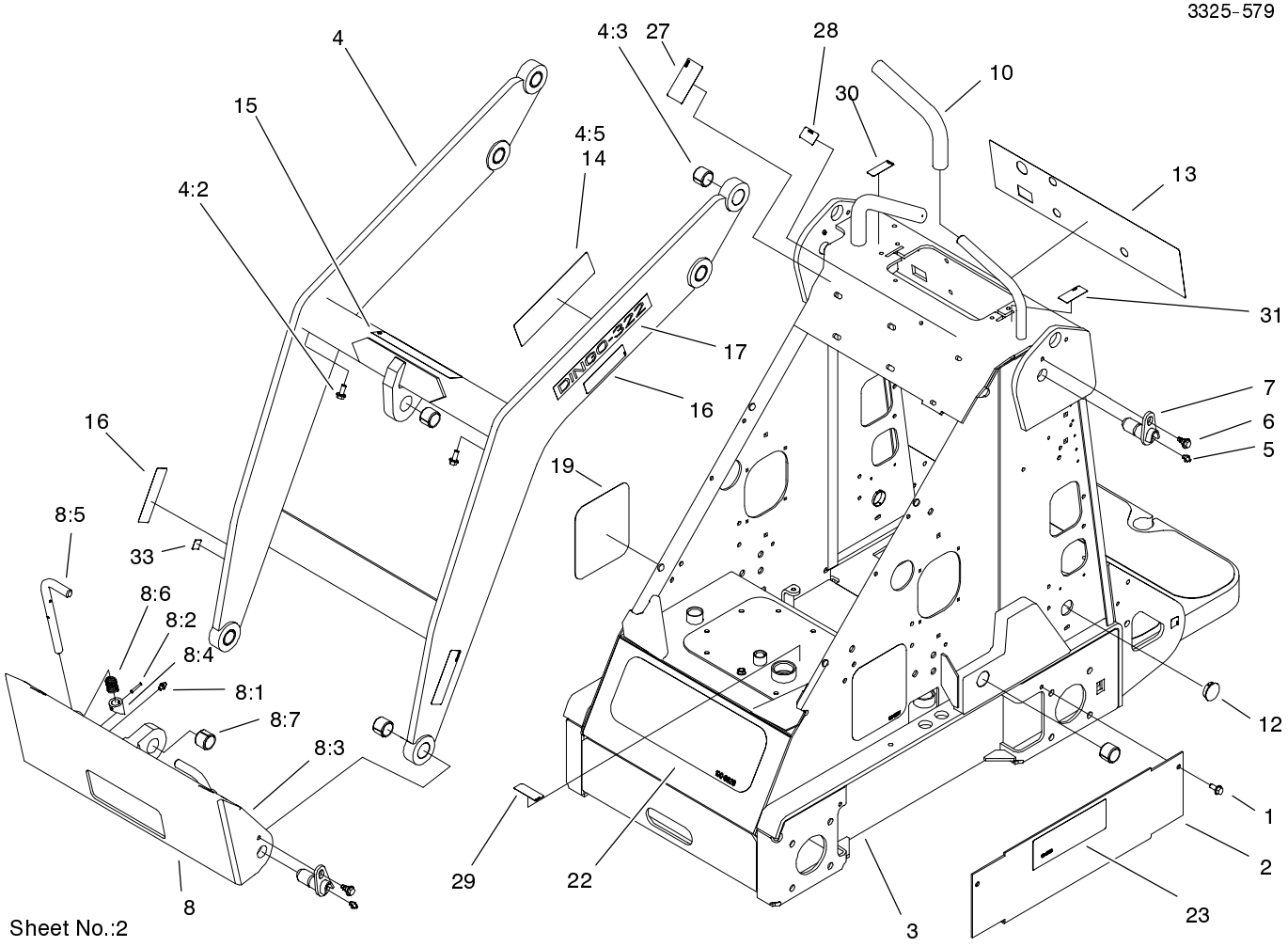
Contents

Description	Page
Frame and Loader Arm Assembly	3
Frame Assembly No. 104–7416	4
Hood and Screen Assembly	5
Wheel and Motor Assembly	6
Hydraulic Motor Assembly No. 99–3052	7
Engine and Pump Assembly	8
Fuel Tank and Air Filter Assembly	9
Hydraulic Tank and Filter Assembly	10
Auxiliary Control Lever Assembly	11
Hydraulic Valve Assembly	12
Hydraulic Auxiliary Valve No. 99–3077	13
Hydraulic Valve Kit Assembly No. 104–4221	14
Hydraulic Selector Valve Assembly No. 99–3072	15
4–Spool Valve Assembly	16
4–Spool Hydraulic Valve Assembly No. 99–3070	17
Hydraulic Motor Assembly	18
Hydraulic Cylinder Installation Assembly	19
Hydraulic Cylinder Assembly No. 99–3051	20
Electrical Components Assembly	21
Electrical Schematic	22
Hydraulic Schematic	23
Crankshaft Assembly (Group1)	24
Crankcase Assembly (Group2)	25
Oil Pan/Lubrication Assembly (Group 3)	26
Head/Valve/Breather Assembly (Group 4)	27
Ignition/Electrical Assembly (Group 5)	28
Blower Housing & Baffles Assembly (Group 6)	29
Starting System Assembly (Group 7)	30
Fuel System Assembly (Group 8)	31
Engine Controls Assembly (Group 9)	32
Air Intake/Filtration Assembly (Group 10)	33
Exhaust Assembly (Group 11)	34

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

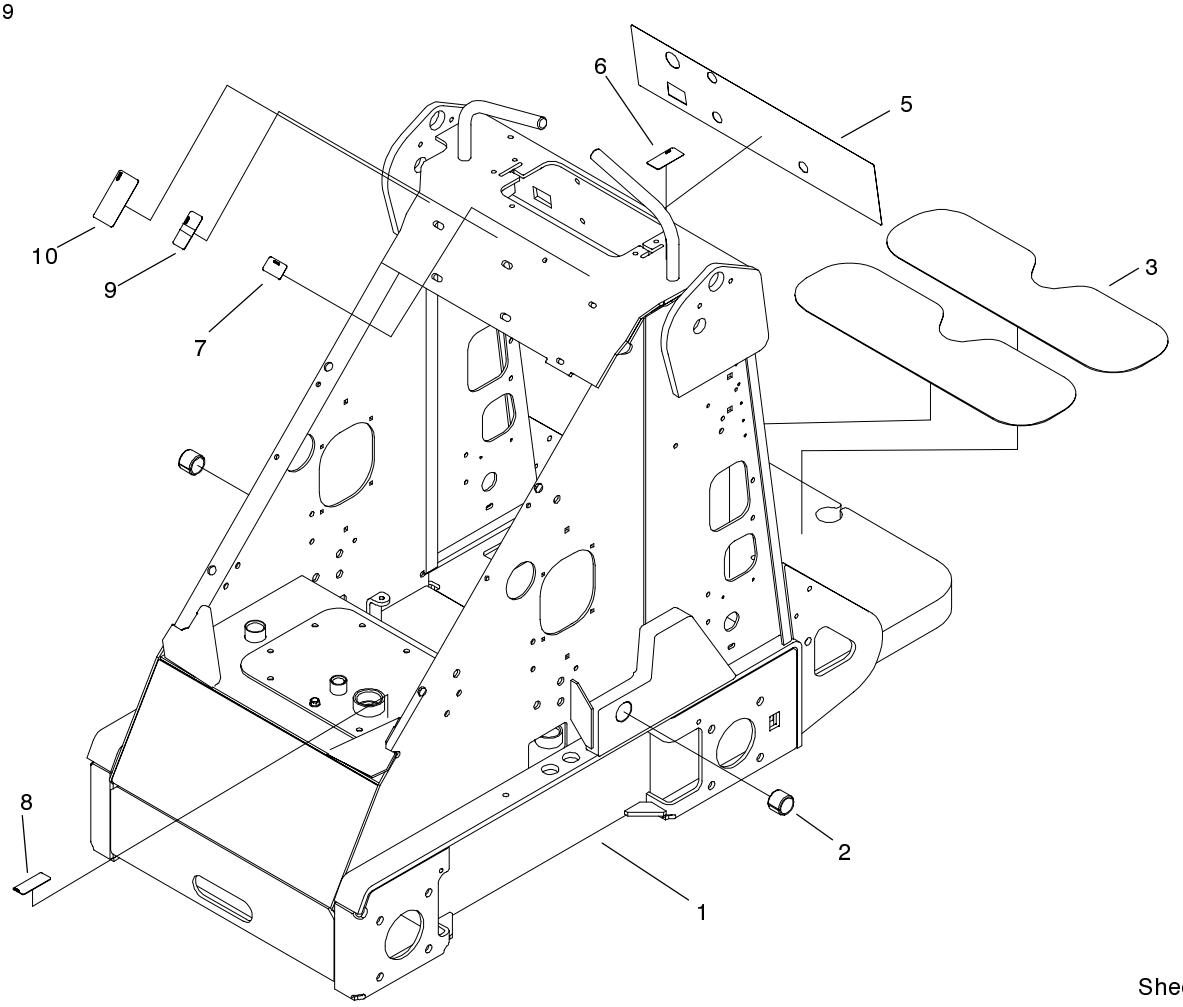


Sheet No.:2

Frame and Loader Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	32144-70	6	Screw-HH
2	99-3020-01	2	Cover-Hose (only on: 22305)
3	104-7416	1	Frame ASM
4	100-8814	1	Loader ASM
4:2	32144-70	2	Screw-HH
4:3	98-4871	7	Bushing-Tension
4:5	100-1701	1	Decal-Danger
5	302-5	4	Fitting-Grease
6	99-5105	4	Bolt-Shoulder
7	99-1414	4	Pin-Pivot
8	98-4690	1	Quick Attach ASM
8:1	302-5	2	Fitting-Grease
8:2	32121-94	2	Pin-Special
8:3	98-4691-03	1	Mount-Attach, Quick
8:4	98-4692	2	Cam-Attach, Quick
8:5	100-3373	2	Pin
8:6	98-4694	2	Spring-Compression
8:7	98-4871	1	Bushing-Tension
10	98-4845	2	Grip-Cushion
12	94-1402	2	Plug - Hole
13	99-3157	1	Decal-Panel, Control
14	98-9051	1	Decal - Danger
15	98-4682	1	Decal - Caution
16	100-6141	4	Decal-Pinch
17	99-3166	2	Decal - Dingo 322

Ref. No.	Part No.	Qty.	Description
19	100-8827	2	Decal-Dingo, Side (only on: 22305)
22	100-8828	1	Decal-Dingo, Front
23	99-3068	2	Decal-4-Paw
27	98-4677	1	Decal-Power, Auxiliary
28	98-8220	1	Decal-Limiter, Speed
29	85-4730	1	Decal-Oil Only, Hydraulic
30	94-2551	1	Decal - Choke
31	98-8219	1	Decal-Throttle

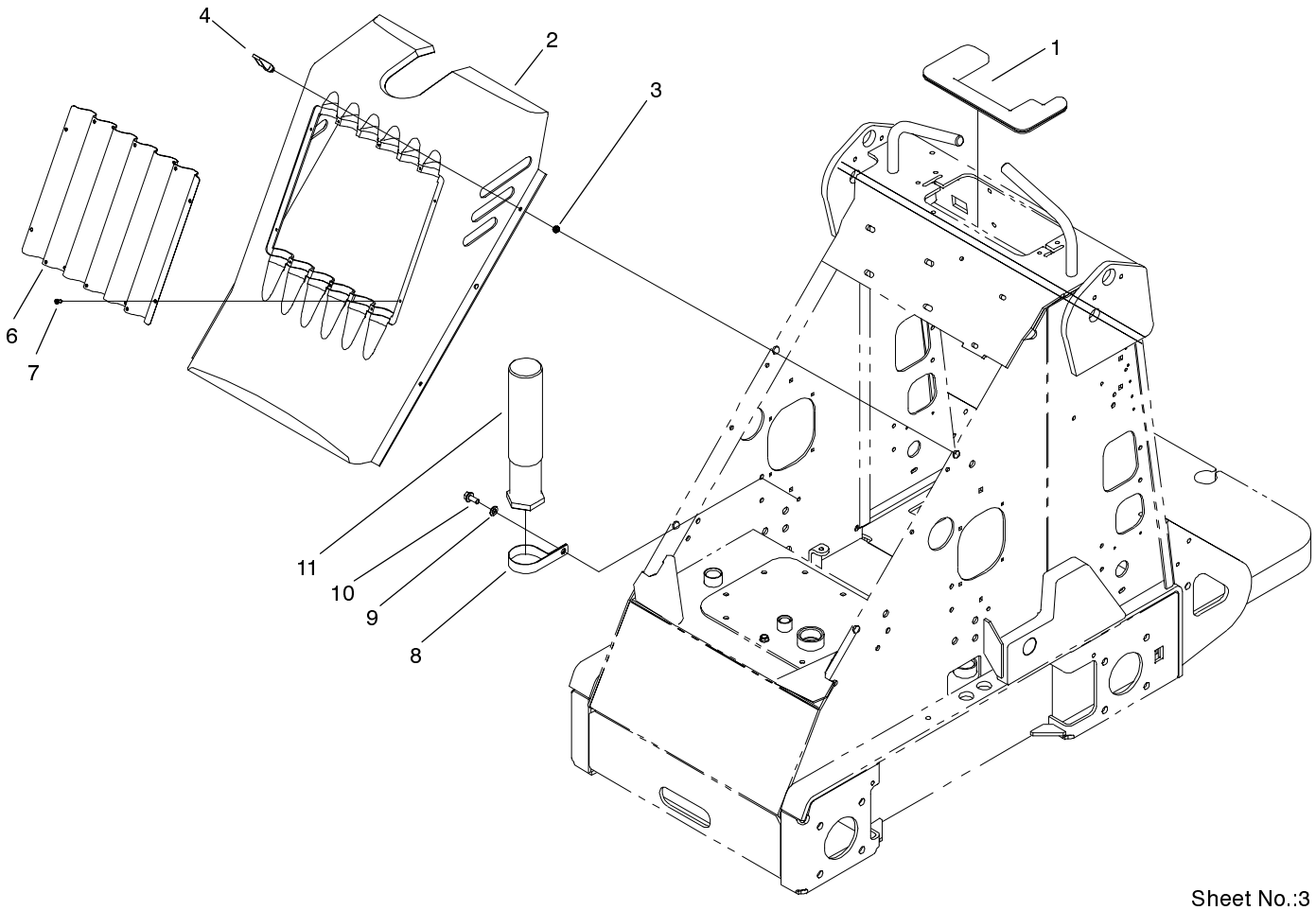


Sheet No.:A1

Frame Assembly No. 104-7416

Ref. No.	Part No.	Qty.	Description
2	98-4871	2	Bushing-Tension
3	98-9947	2	Tread-Foot
5	100-1706	1	Decal-Panel, Control
6	98-8219	1	Decal-Throttle
7	100-1703	1	Decal-Limiter, Speed
8	93-6686	1	Decal-Oil, Hydraulic
9	98-8235	1	Decal-Selector
10	100-1704	1	Decal-Power, Auxiliary

Ref. No.	Part No.	Qty.	Description

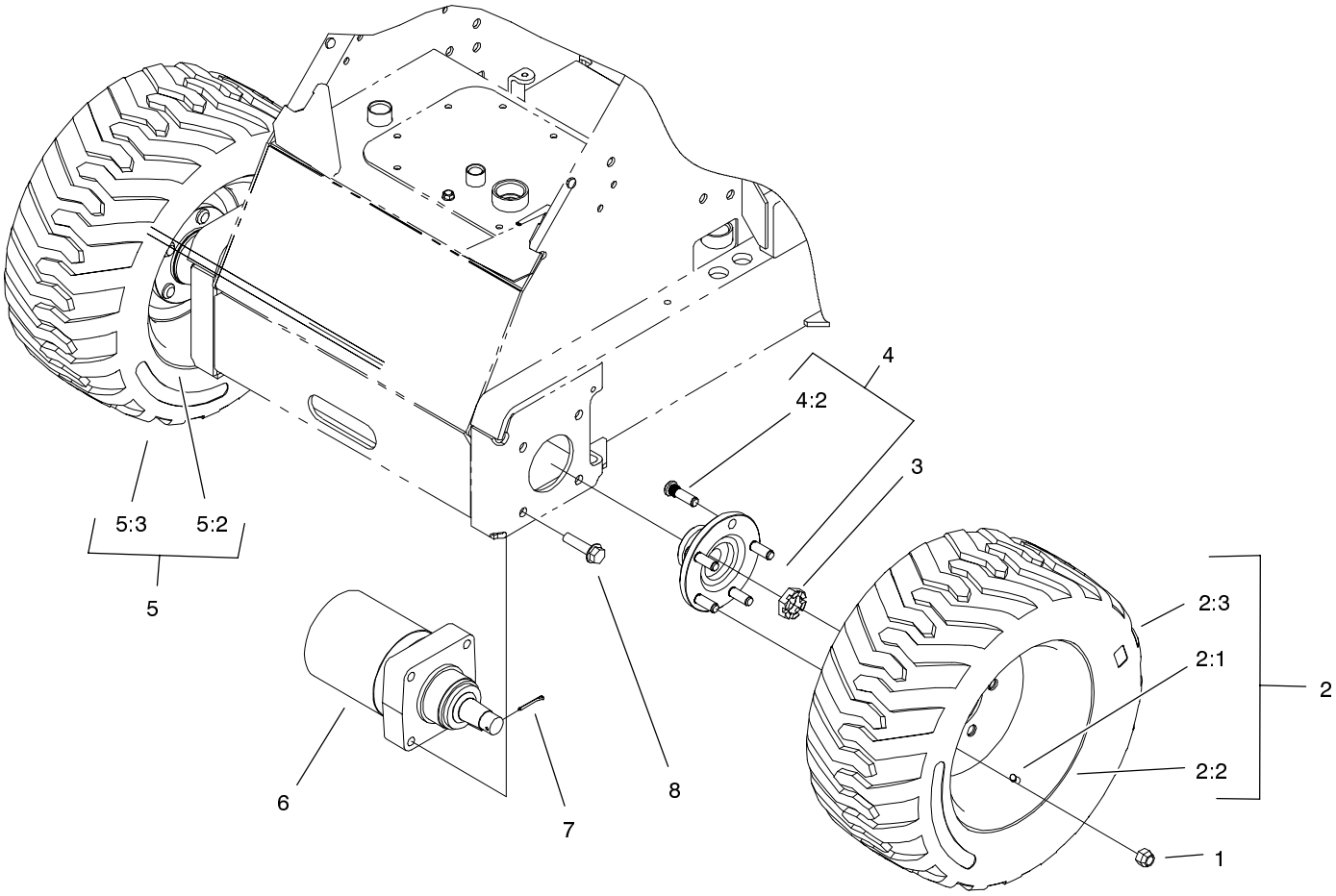


Sheet No.:3

Hood and Screen Assembly

Ref. No.	Part No.	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-HH
11	74-0720	1	Tube-Manual

Ref. No.	Part No.	Qty.	Description



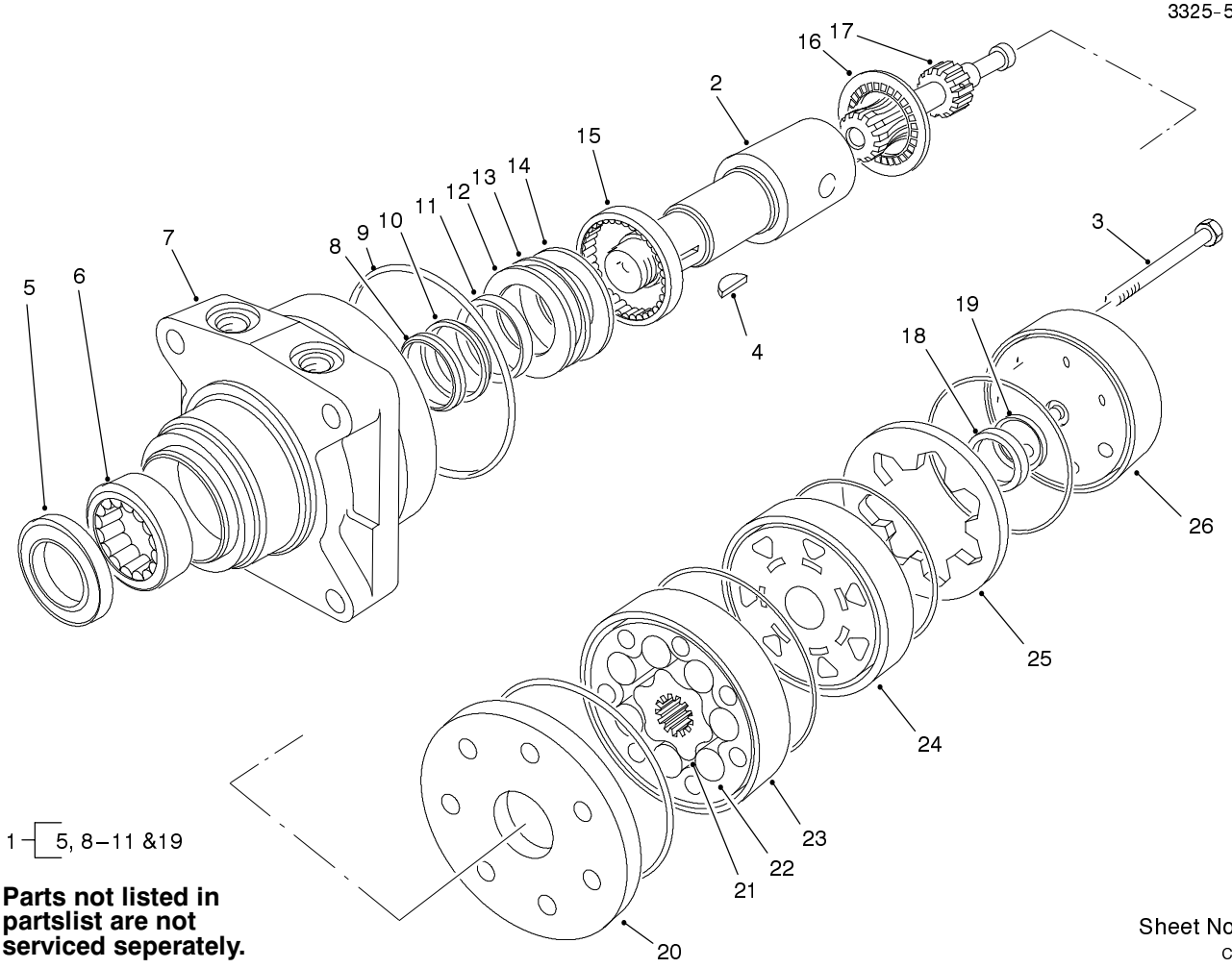
Sheet No.:4

Wheel and Motor Assembly

Ref. No.	Part No.	Qty.	Description
1	242-50	20	Nut - Lug
2	98-2747	2	LH Wheel & 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-Wheel, Motor
4	99-3064	4	Hub ASM
4:2	10-6830	5	Stud-Type, Drive
5	99-1447	2	RH Wheel & 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	Hydraulic Motor ASM
7	99-3171	4	Pin - Cotter
8	3234-27	16	Screw-Flange

Ref. No.	Part No.	Qty.	Description

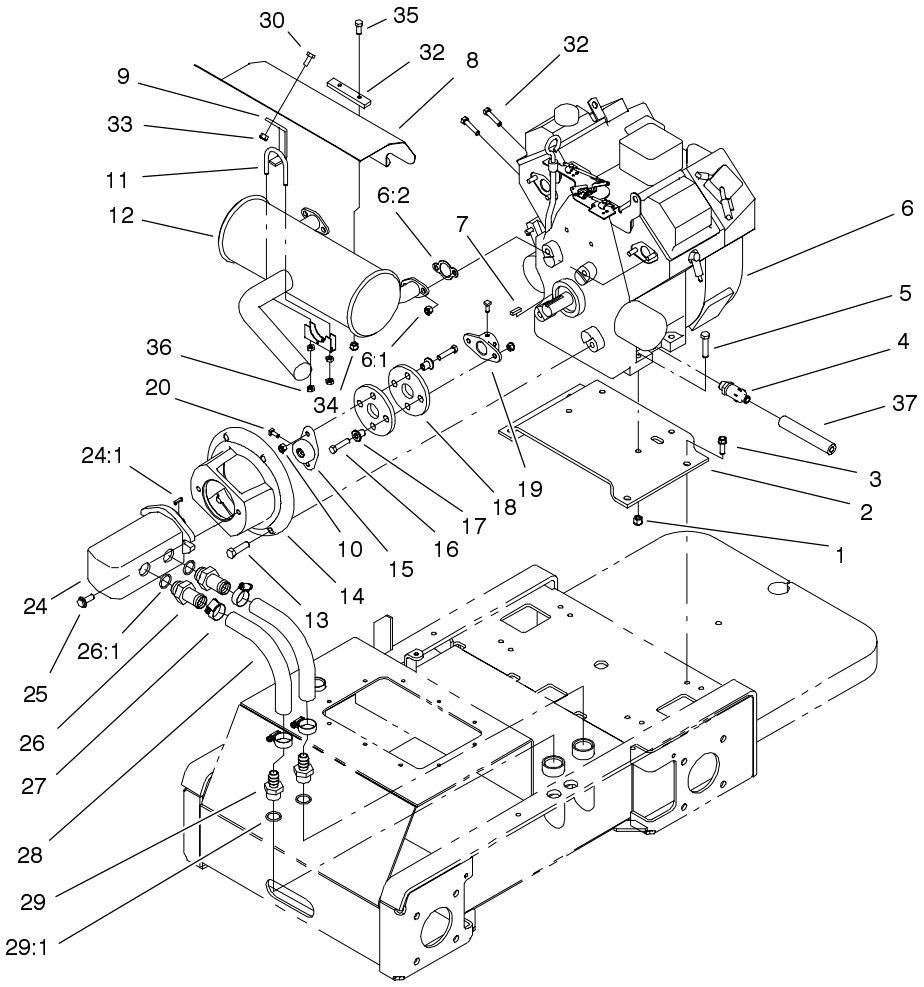
* Not illustrated



Hydraulic Motor Assembly No. 99-3052

Ref. No.	Part No.	Qty.	Description
1	94-8178	1	Kit-Seal
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



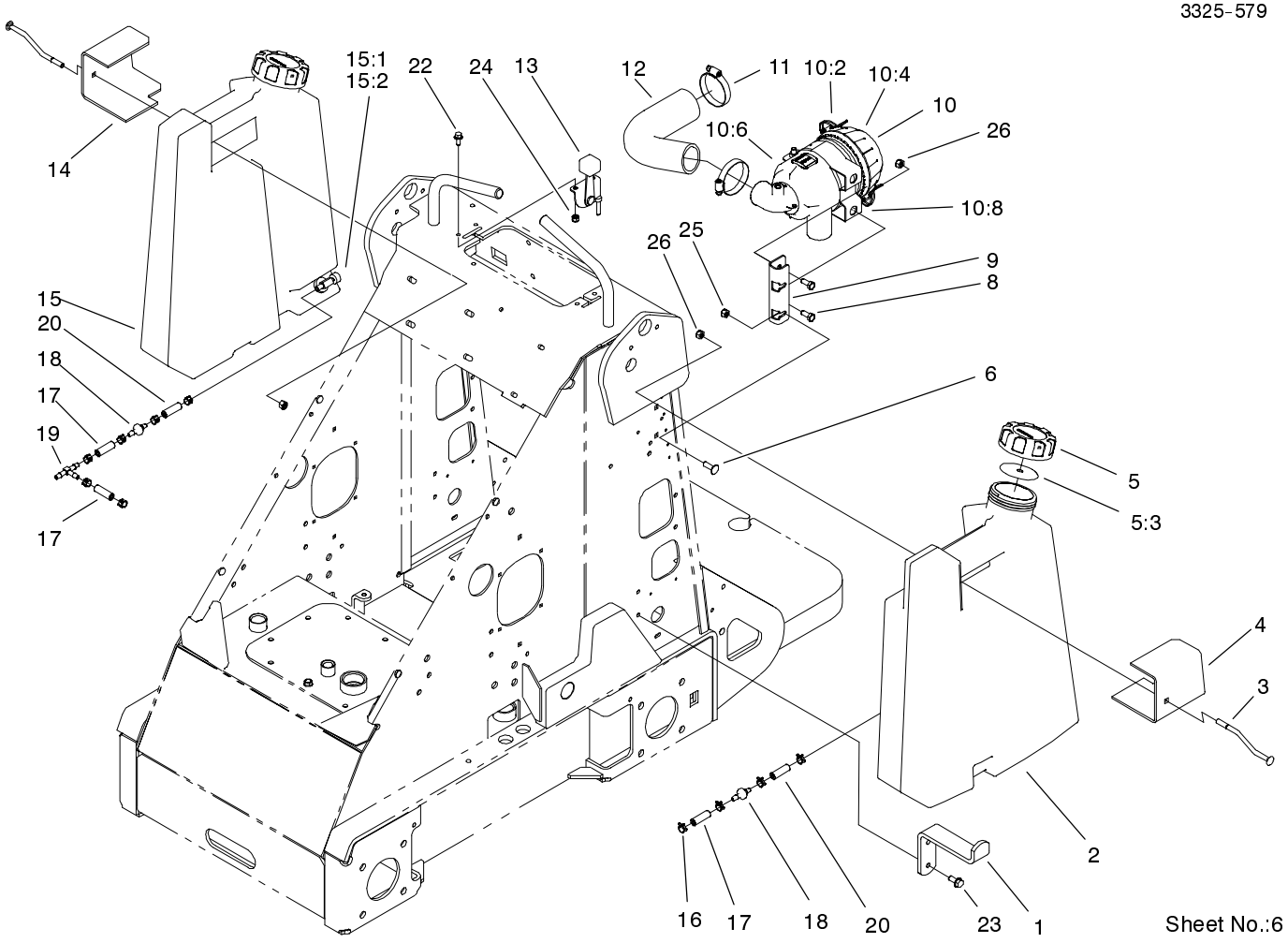
Sheet No.:5

Engine and Pump Assembly

Ref. No.	Part No.	Qty.	Description
1	3296-39	4	Nut-Lock, NI
2	98-4666-03	1	Mount - Engine
3	95-1726	4	Screw-Taptite W/Patch
4	92-6877	1	Valve-Drain, Oil
5	323-9	4	Screw-HH
6		1	Engine-Kohler, 22 HP (Ch22s Ps-66559)
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
11	2112-9	1	Clamp
12	100-1711	1	Muffler-Kohler
13	324-6	4	Screw-HH
14	98-2751-03	1	Mount-Pump
15	98-4701	1	Hub - Pump, 5/8
16	322-7	4	Screw-HH
17	71-4411	4	Spacer
18	44-2230	2	Coupling-Rubber
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

Ref. No.	Part No.	Qty.	Description
*24:2	99-1353	1	Kit-Seal, Pump
25	66-9300	2	Screw-Flange
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	322-3	1	Screw-HH
32	99-3116-03	1	Spacer-Bar
33	32152-1	1	Nut-Lock, NI
34	32152-4	2	Nut-Conelock
35	3234-4	2	Screw-HHF
36	3218-2	2	Nut-Jam
37	98-4667	1	Hose - Drain, Oil
38	32144-18	2	Screw-HH

* Not illustrated

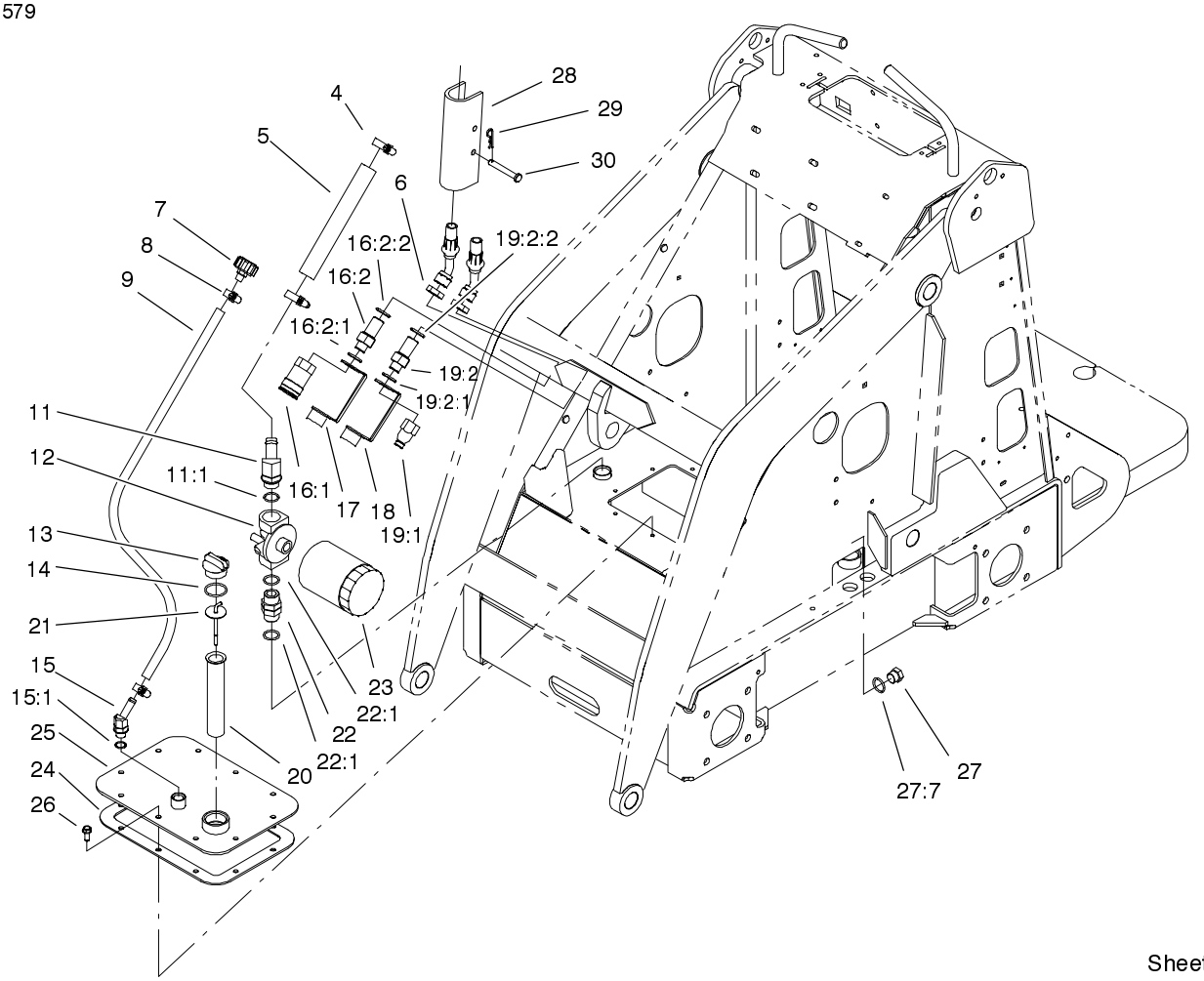


Fuel Tank and Air Filter Assembly

Ref. No.	Part No.	Qty.	Description
1	98-4656-03	2	Mount-Bottom, Tank
2	99-5003	1	Fuel Tank ASM
*2:1	104047	2	Bushing
*2:2	104048	1	Valve-Fuel
*2:3	99-1420	1	Plug - Tank, Fuel
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	Screw-CARR
8	322-3	2	Screw-HH
9	99-3080-03	1	Mount-Cleaner, Air
10	99-3160	1	Air Cleaner ASM
*10:1	99-3173	1	Element-Filter, Air
10:2	99-3174	2	Clip-Cleaner, Air
*10:3	99-3175	1	Valve-Ejector, Dust
10:4	99-3176	1	Cover-Cleaner, Air
*10:5	99-3183	1	Tube ASM
10:6	99-3184	1	Housing-Cleaner, Air
*10:7	99-3198	1	Filter-Safety
10:8	99-3197	1	Filter Mount Bracket ASM
11	2412-42	2	Clamp-Hose
12	99-3148	1	Hose-Air
13	85-9310	2	Control-Choke
14	98-4655-03	1	Plate - Mount

Ref. No.	Part No.	Qty.	Description
15	98-4654	1	Fuel Tank ASM
15:1	104047	1	Bushing
15:2	104048	1	Valve-Fuel
16	2412-98	10	Clamp
17	99-3185	3	Line-Fuel
18	99-5000	2	Valve - Check, Fuel
19	99-5005	1	Fitting - Tee, Barbed
20	99-5101	2	Line - Fuel
22	3234-33	4	Screw-HHF
23	32144-70	4	Screw-HH
24	3296-42	4	Nut-Lock, NI
25	32128-20	2	Nut-HF
26	3296-29	4	Nut-Lock

* Not illustrated



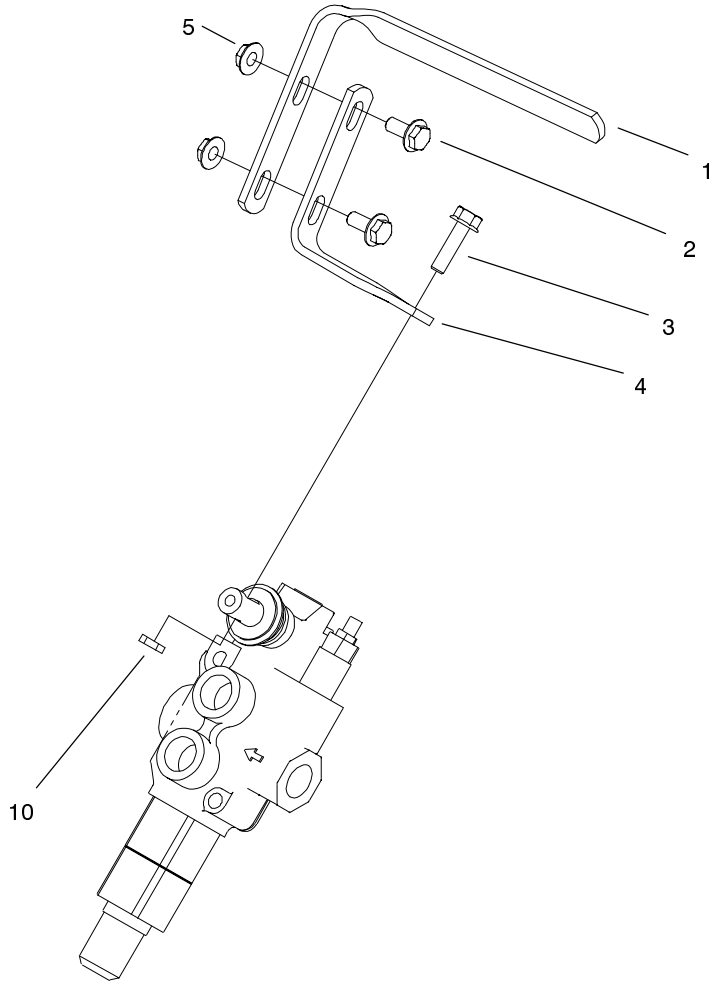
Sheet No.:7

Hydraulic Tank and Filter Assembly

Ref. No.	Part No.	Qty.	Description
4	2412-129	2	Clamp-Hose
5	98-2713	1	Hose-Suction, Hydraulic
6	340-74	2	Locknut-Bulkhead
7	68-6150	1	Breather-Air
8	2412-36	2	Clamp-Hose
9	98-2708	1	Hose - Vent
11	354-127	1	Elbow-3/4 Barb, 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-Hydraulic, 45 DEG
15:1	237-79	1	O-Ring
16	100-4747	1	Bulkhead Coupler ASM
16:1	100-4234	1	Coupler-Face, Flush
*16:1:1	100-6119	1	Kit-Seal
16:2	100-4236	1	Fitting-Adapter, Bulkhead
16:2:1	237-65	1	O-Ring
16:2:2	237-80	1	O-Ring
17	100-8816	1	Cap-Dust, Coupler
18	100-8815	1	Cap-Dust, Nipple

Ref. No.	Part No.	Qty.	Description
19	100-4748	1	Bulkhead Nipple ASM
19:1	100-4235	1	Nipple-Face, Flush
*19:1:1	100-6120	1	Kit-Seal
19:2	100-4236	1	Fitting-Adapter, Bulkhead
19:2:1	237-65	1	O-Ring
19:2:2	237-80	1	O-Ring
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, Hollow
27:7	237-79	1	O-Ring
28	98-4675-01	2	Lock-Cylinder (only on: 22305)
29	3290-467	2	Pin-Hair
30	283-52	2	Pin-Clevis

* Not illustrated

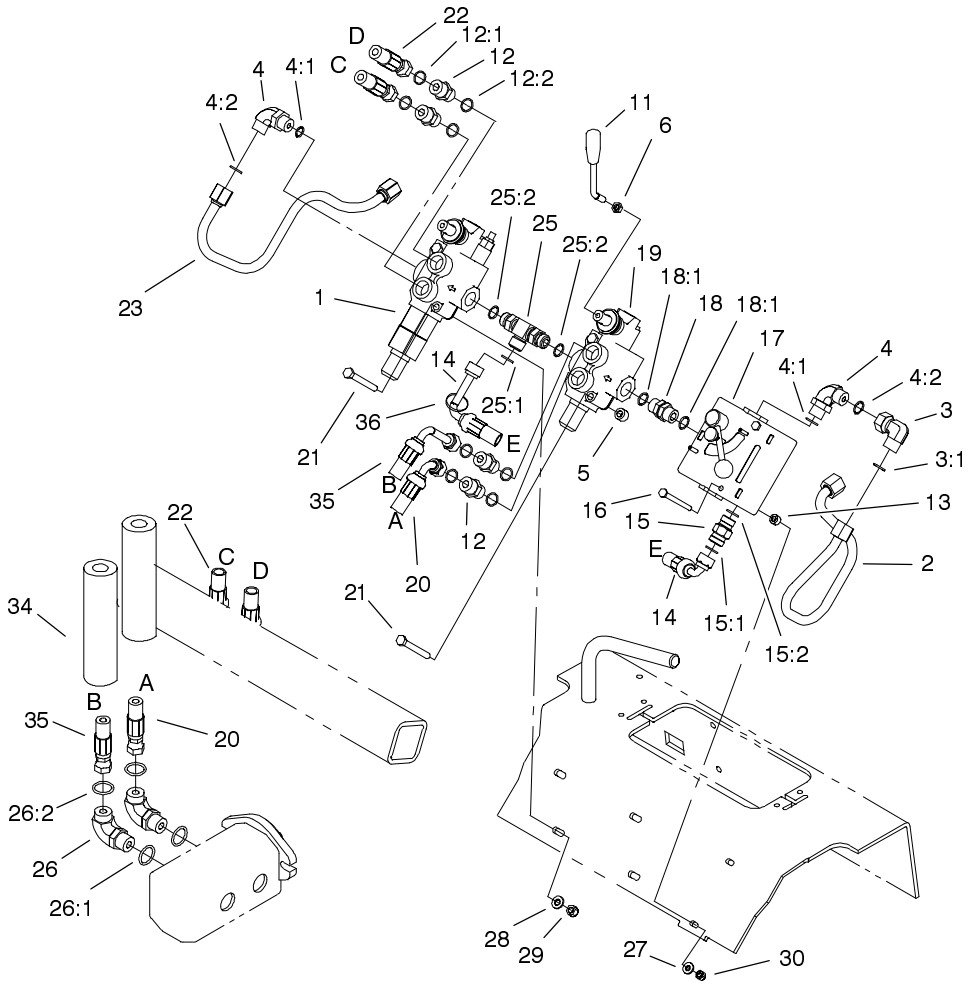


Sheet No.:8

Auxiliary Control Lever Assembly

Ref. No.	Part No.	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

Ref. No.	Part No.	Qty.	Description

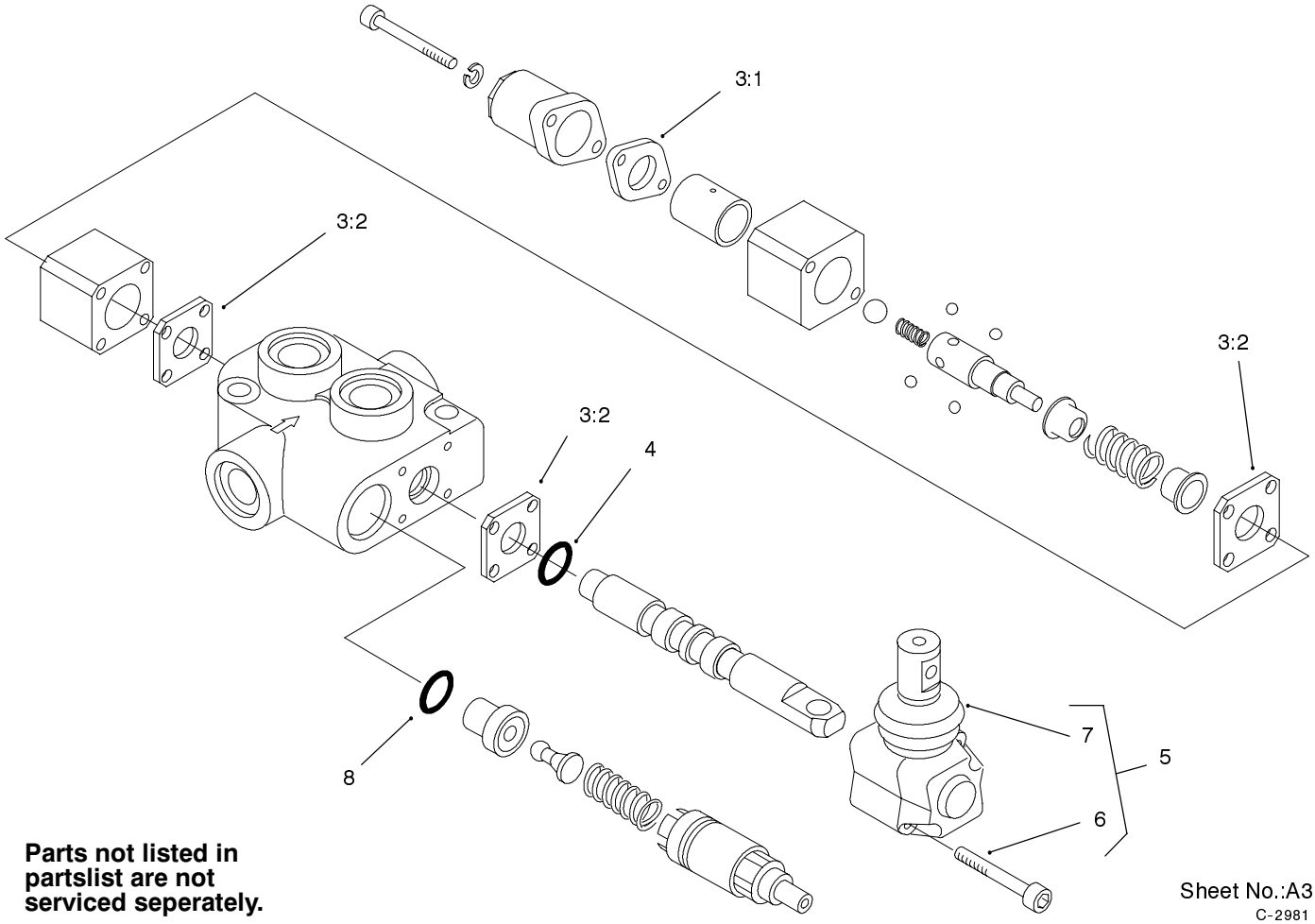


Sheet No.:9

Hydraulic Valve Assembly

Ref. No.	Part No.	Qty.	Description
1	99-3077	1	Valve-Aux, Hydraulic
2	99-3030	1	Line-Hydraulic, Cf
3	94-6031	1	Fitting-Hydraulic
3:1	237-30	1	O-Ring
4	340-98	2	Fitting-90 DEG
4:1	237-79	1	O-Ring
4:2	237-30	1	O-Ring
5	98-4695	4	Tube-Spacer
6	42-9580	1	Nut-Hex
11	98-4729	1	Lever-Valve
12	340-4	4	Adapter
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	Kit-Valve, Hydraulic
18	95-3209	1	Fitting-Thread, Straight
18:1	237-79	2	O-Ring
19	99-3072	1	Valve-Selector, Hydraulic

Ref. No.	Part No.	Qty.	Description
20	98-4747	1	Hose-Hydraulic, High Pressure
21	322-13	4	Screw-HH
22	100-8817	2	Hose-Aux
23	98-4724	1	Line-Aux, Hydraulic
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-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
30	3296-42	2	Nut-Lock, NI
34	100-8818	2	Sleeve-Hose, Gaurd
35	99-3008	1	Hose-Hydraulic
36	3290-379	9	Tie-Cable



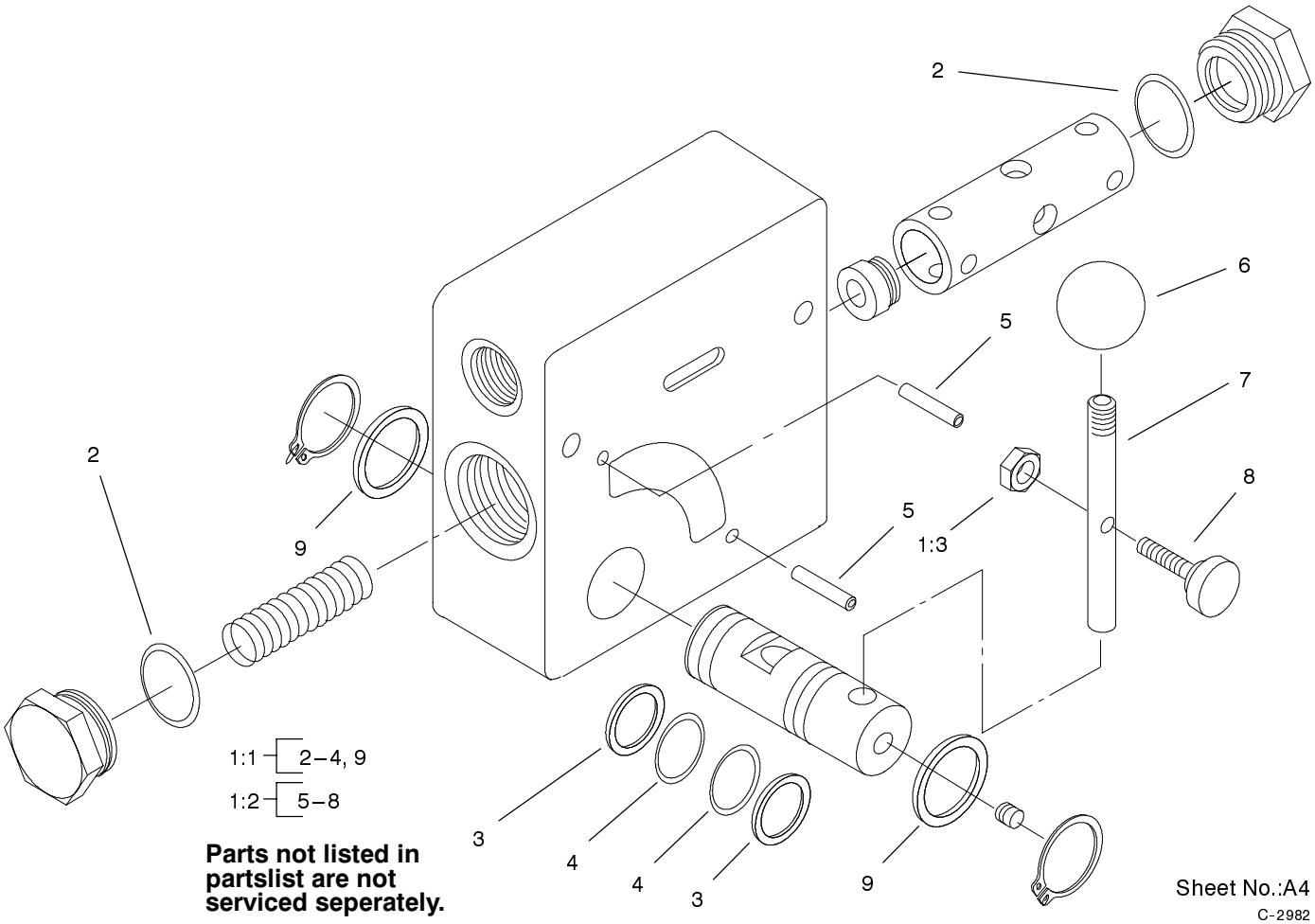
Parts not listed in partslist are not serviced seperately.

Sheet No.:A3
C-2981

Hydraulic Auxiliary Valve No. 99-3077

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



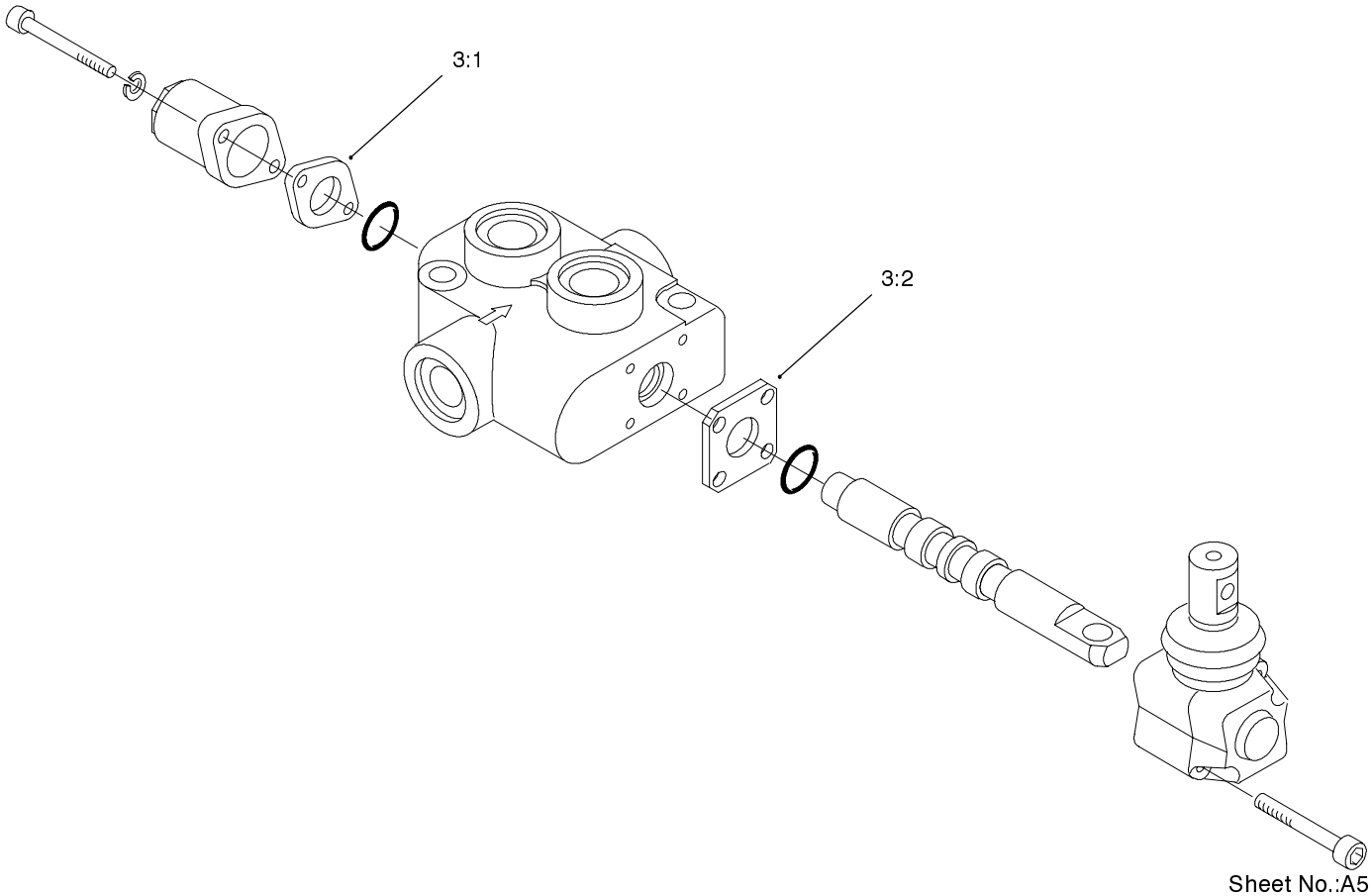
Parts not listed in partslist are not serviced seperately.

Sheet No.:A4
C-2982

Hydraulic Valve Kit Assembly No. 104-4221

Ref. No.	Part No.	Qty.	Description
1	104-1297	1	Valve-Flow, Hydraulic
1:1	104-4231	1	Kit-Seal, Valve
1:2	98-9098	1	Kit-Hardware, Handle
1:3	3296-27	1	Nut-Lock

Ref. No.	Part No.	Qty.	Description



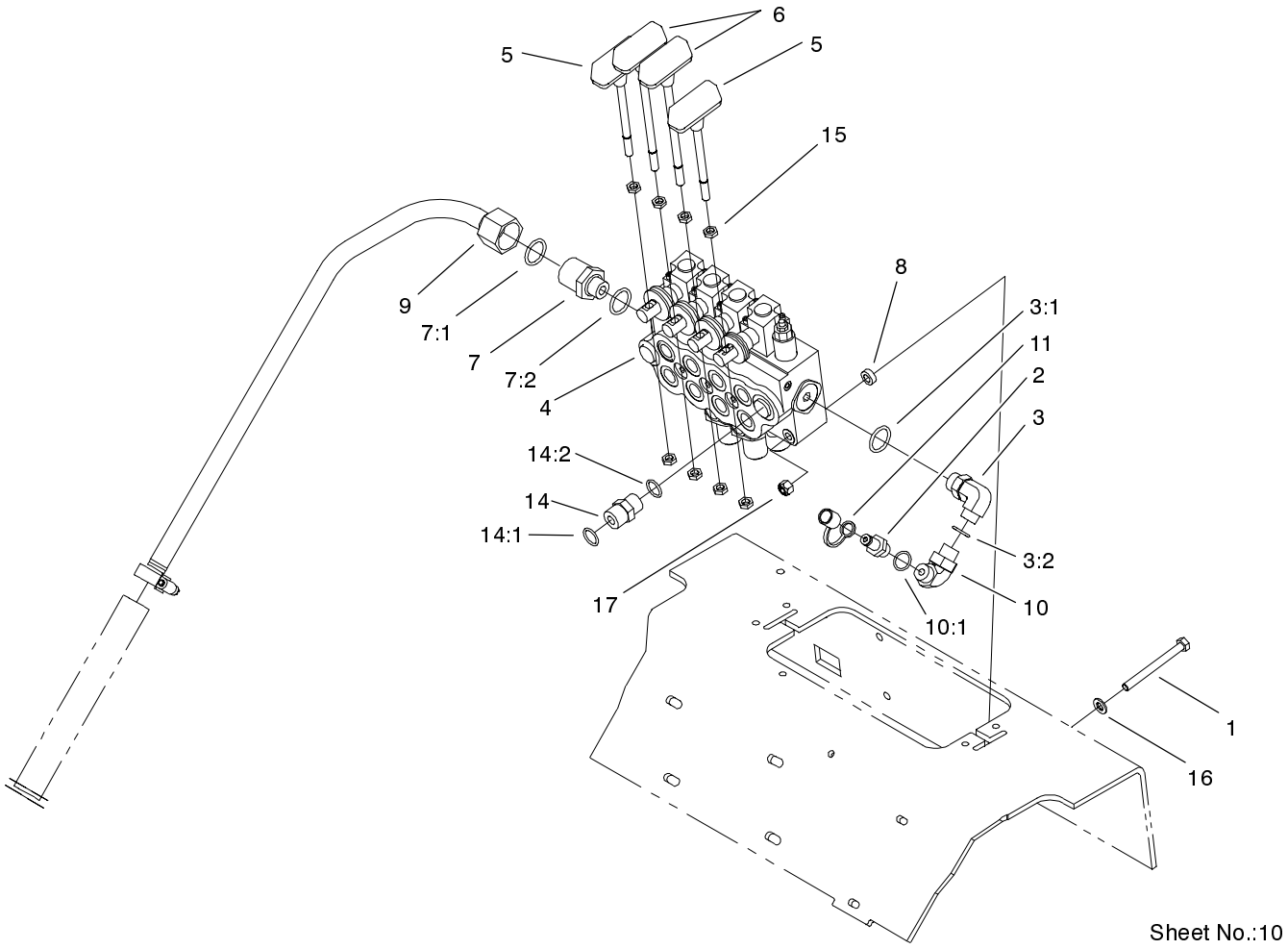
Sheet No.:A5

C-2983

Hydraulic Selector 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

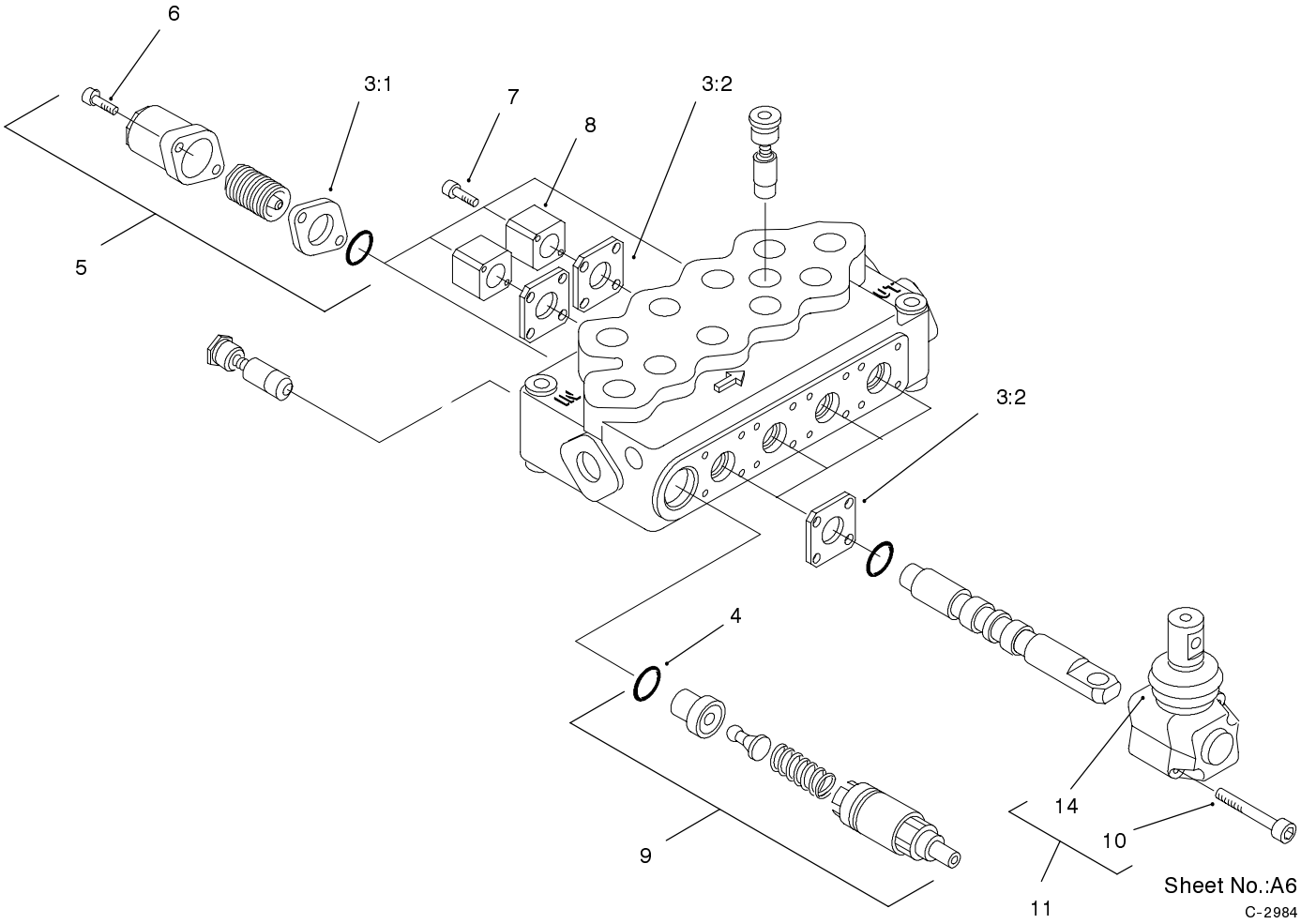


Sheet No.:10

4-Spool Valve Assembly

Ref. No.	Part No.	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-Hydraulic, 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	Tube-Spacer
9	99-3021	1	Line-Tank, Hydraulic
10	340-159	1	Fitting-Hyd, 90
10:1	237-22	2	O-Ring
11	354-79	1	Cap - Fitting, Yellow
14	340-4	2	Adapter
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

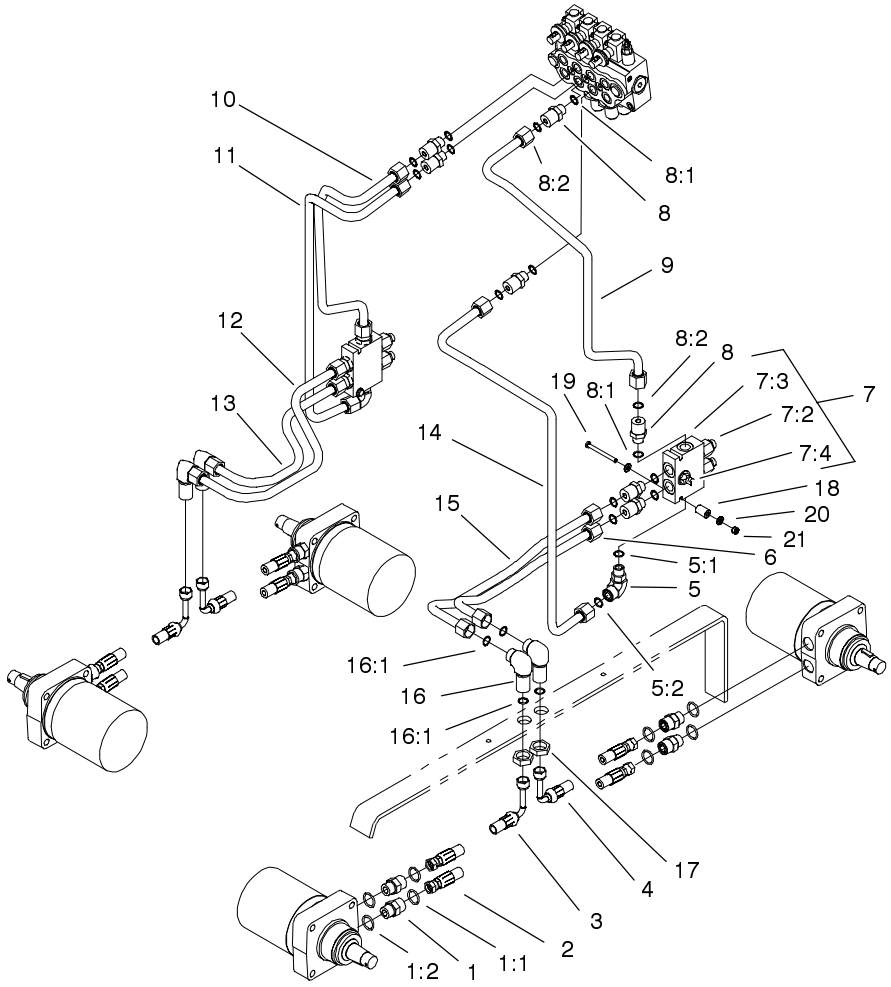
Ref. No.	Part No.	Qty.	Description



4-Spool Hydraulic Valve Assembly No. 99-3070

Ref. No.	Part No.	Qty.	Description
3	99-4390	1	Kit-Seal, Sd5
3:1	99-3074	4	Gasket
3:2	99-3075	8	Gasket
5	100-8801	4	Kit-Spring
6	100-8802	8	Screw-Cap, End
7	100-8803	4	Screw-Body
8	100-8804	2	Block-Mount, Switch
9	100-8805	1	Valve-Relief
10	100-8806	8	Screw-Operator
11	100-8807	4	Operator ASM
14	100-8829	4	Boot-Operator

Ref. No.	Part No.	Qty.	Description



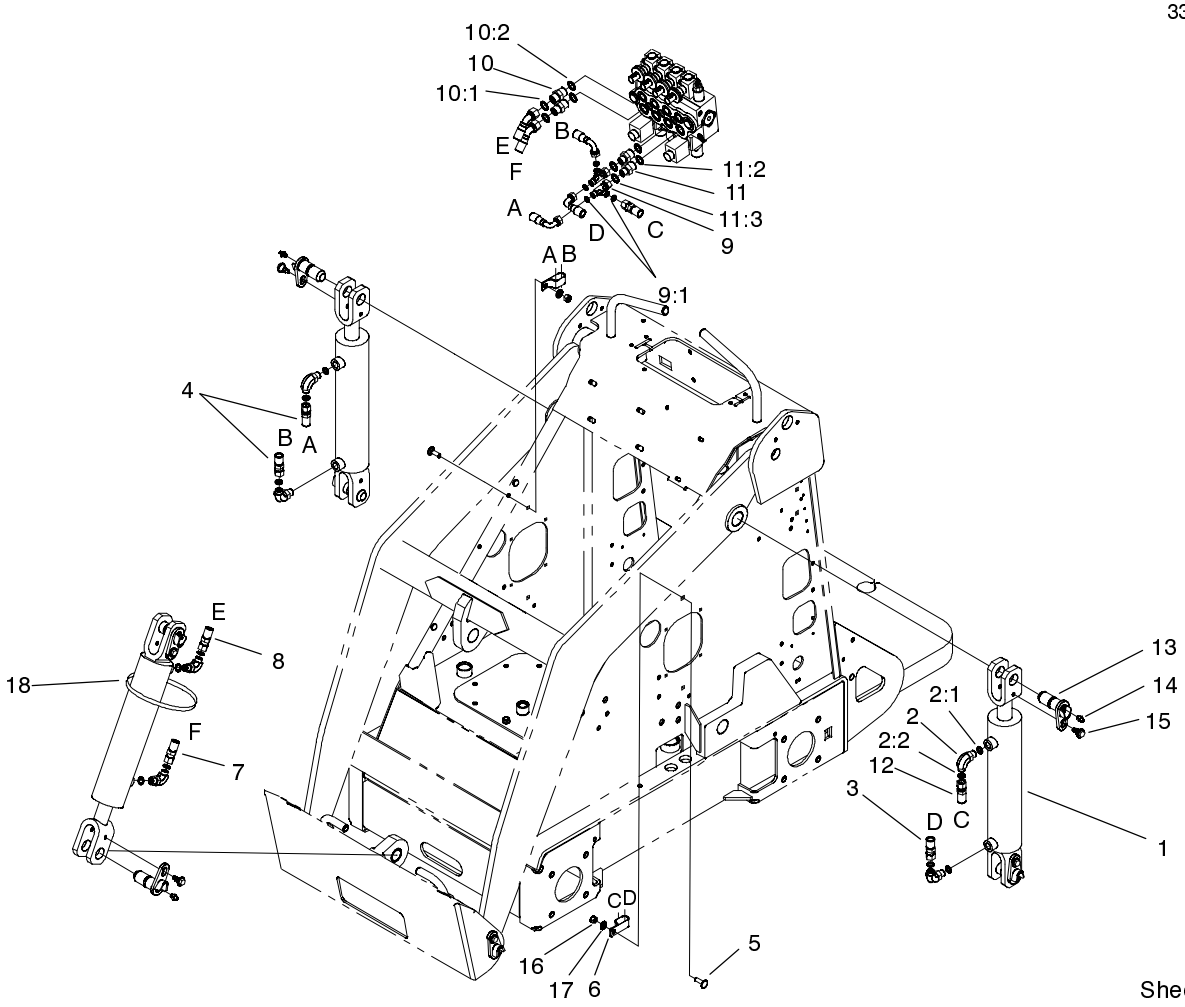
Sheet No.:12

Hydraulic Motor Assembly

Ref. No.	Part No.	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	Hose-Motor, Hydraulic
3	99-3010	2	Hose-Motor, Front Hydraulic
4	99-3011	2	Hose-Motor, Rear Hydraulic
5	340-153	2	Fitting-Hydraulic
5:1	237-79	1	O-Ring
5:2	237-151	1	O-Ring
6	99-3022	1	Line-Hydraulic
7	99-3040	2	Valve-Counterbalance
7:2	99-3271	2	Valve - Cartridge
*7:2:99	98-2712	1	Kit-Seal, Valve
7:3	100-8864	1	Manifold ASM
7:4	100-8865	1	Needle Valve ASM
8	340-155	10	Fitting-Hydraulic
8:1	237-79	1	O-Ring
8:2	237-151	1	O-Ring
9	99-3027	1	Line-Hydraulic
10	99-3024	1	Line-Hydraulic
11	99-3029	1	Line-Hydraulic
12	99-3025	1	Line-Hydraulic
13	99-3028	1	Line-Hydraulic
14	99-3023	1	Line-Hydraulic

Ref. No.	Part No.	Qty.	Description
15	99-3026	1	Line-Hydraulic
16	340-72	4	Elbow-Bulkhead Union, 90 DEG
16:1	237-65	2	O-Ring
17	340-74	4	Locknut-Bulkhead
18	99-3057	2	Spacer-Valve
19	321-23	2	Screw-HH (only on: 22305)
20	3256-22	4	Washer-Flat
21	3296-42	2	Nut-Lock, NI

* Not illustrated

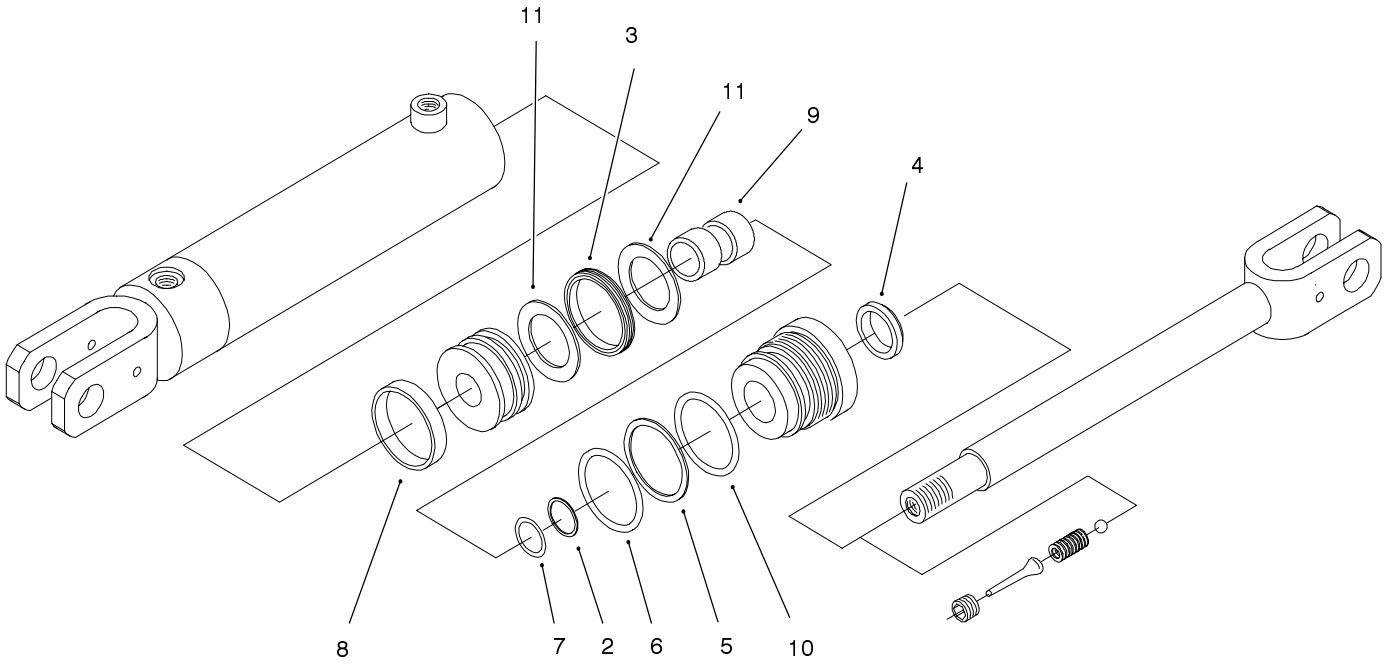


Sheet No.:13

Hydraulic Cylinder Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	100-4163	3	Kit-Cylinder, Hydraulic
2	340-82	6	Adapter
2:1	237-42	1	O-Ring
2:2	237-21	1	O-Ring
3	98-4748	1	Hose-Hydraulic, Lo Pressure
4	98-4725	2	Hose-Loader, Hydraulic
5	3230-2	2	Screw-CARR
6	2412-137	2	Clamp-Tube
7	98-4726	1	Hose-Hydraulic
8	98-4727	1	Hose-Hydraulic
9	340-151	2	Fitting
9:1	237-75	3	O-Ring
10	340-3	2	Adapter
10:1	237-22	1	O-Ring
10:2	237-79	1	O-Ring
11	340-133	2	Adapter
11:2	237-79	1	O-Ring
11:3	237-21	1	O-Ring
12	99-3109	1	Hose-Loader, Hydraulic
13	99-1414	6	Pin-Pivot
14	302-5	6	Fitting-Grease
15	99-5105	6	Bolt-Shoulder
16	3296-29	2	Nut-Lock

Ref. No.	Part No.	Qty.	Description
17	3256-23	2	Washer-Flat
18	3334-945	1	Tie-Cable



1 — 2-11

Parts not listed in partslist are not serviced seperately.

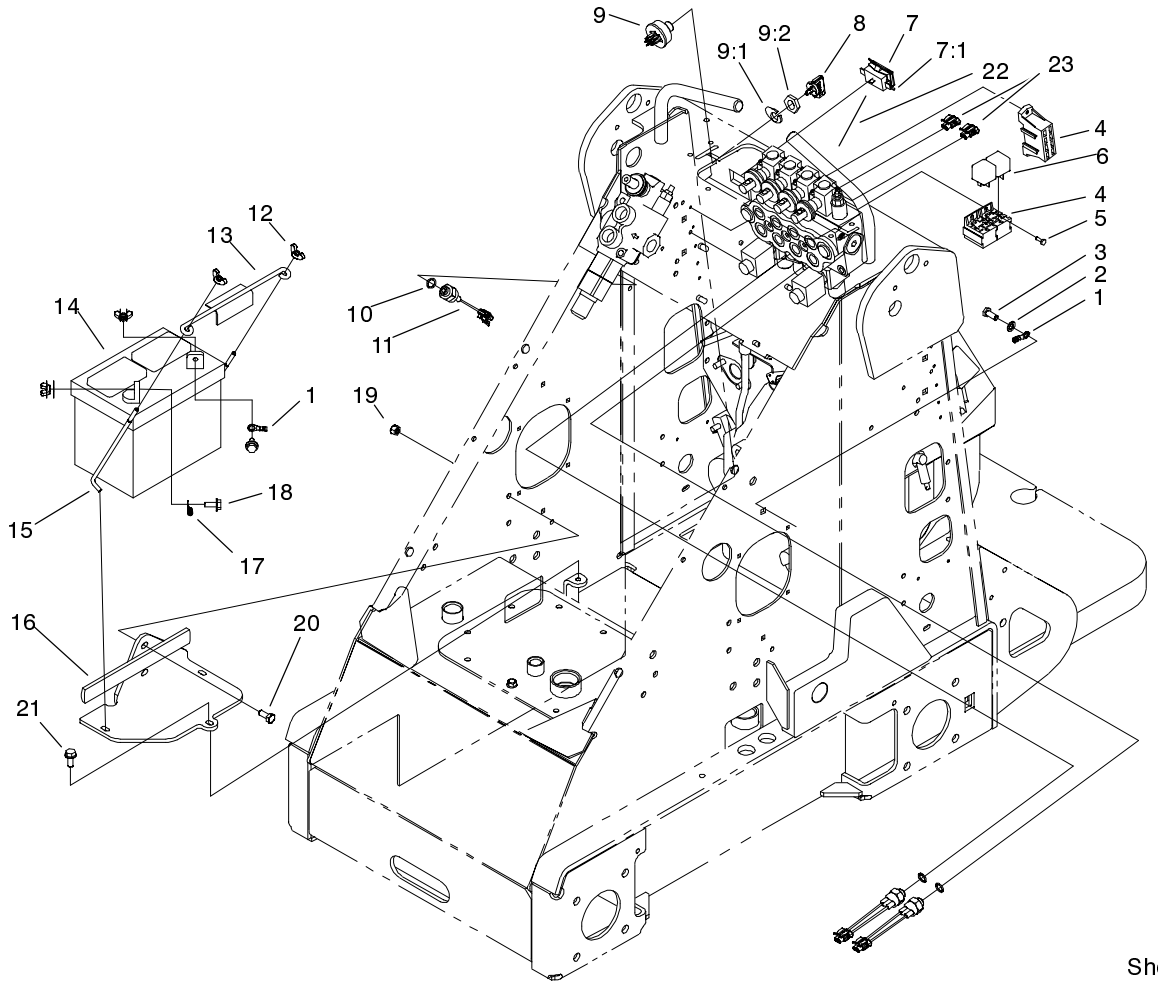
Sheet No.:A7

C-2985

Hydraulic Cylinder Assembly No. 99-3051

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

Ref. No.	Part No.	Qty.	Description



Sheet No.:16

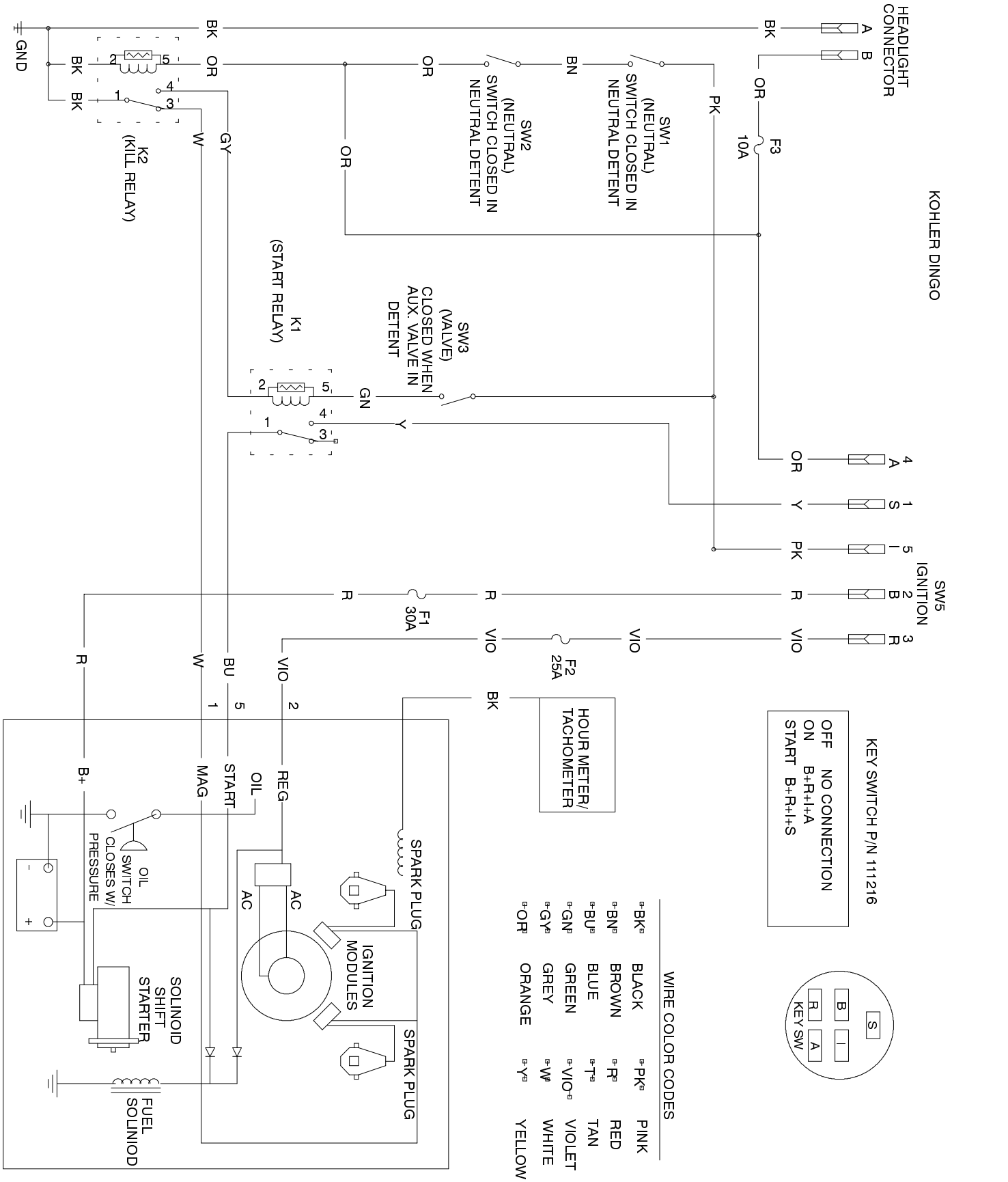
Electrical Components Assembly

Ref. No.	Part No.	Qty.	Description
1	111075	1	Wire ASM
2	3255-8	1	Washer-Lock/Ext
3	33114-020	3	Screw-HH
4	104-7411	1	Harness-Wire, Dingo Kohler Ce
5	32144-87	3	Screw-Forming, Thread
6	98-7249	2	Relay-Speedometer
7	104-7428	1	Hourmeter-Inductive, Mini
7:1	104-4234	1	Clip-Mounting, Hourmeter
8	63-8360	2	Key-Ignition
9	111216	1	Ignition Switch ASM
9:1	9201604	1	Lockwasher
9:2	101884	1	Nut
10	237-42	3	O-Ring
11	72-4310	3	Switch
12	32103-22	4	Nut-Wing
13	113010	1	Down-Hold, Battery
14	94-1867	1	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

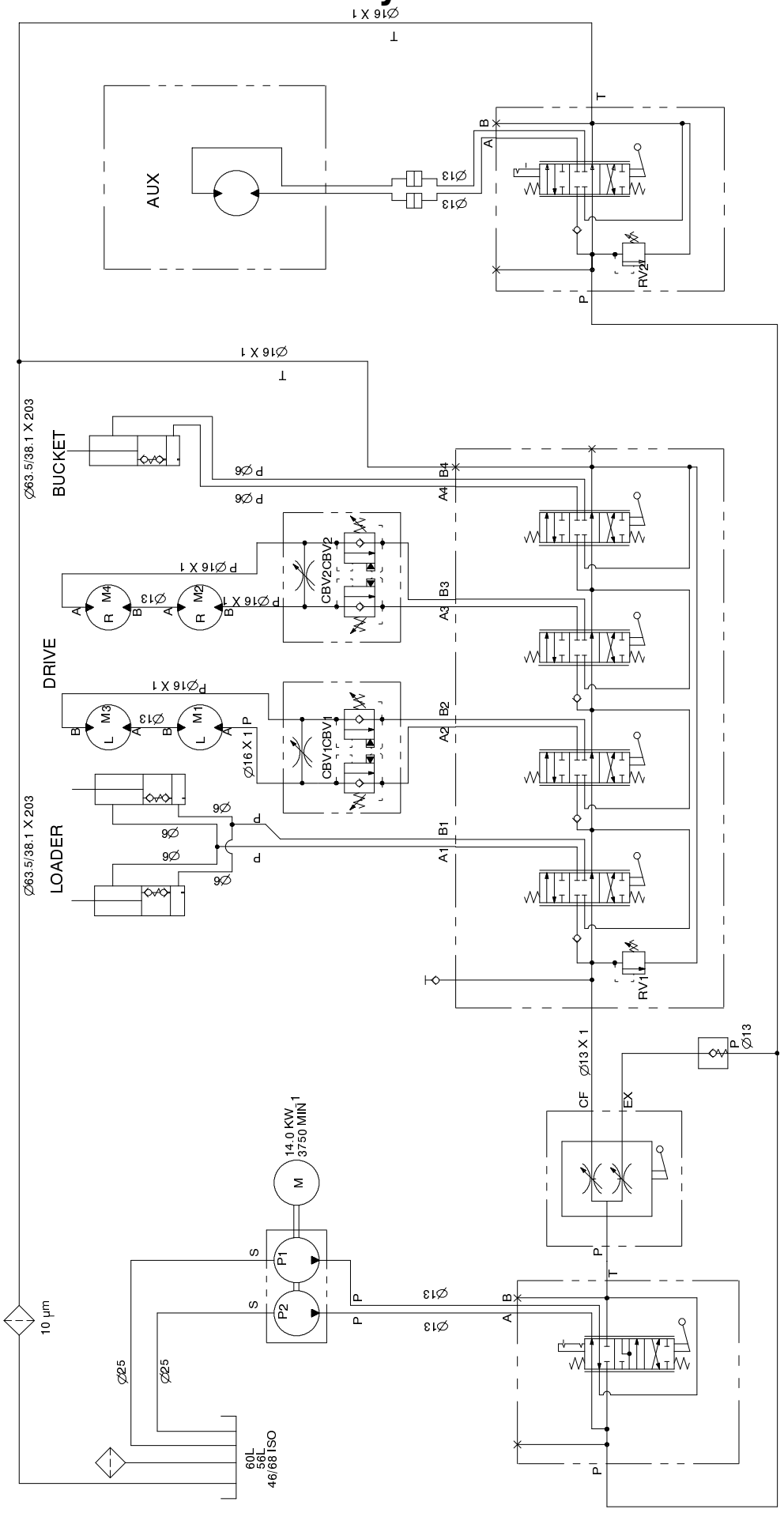
Ref. No.	Part No.	Qty.	Description
20	322-4	2	Screw-HH
21	32144-70	1	Screw-HH
22	104-7408	1	Wire-Hourmeter, Inductive
23	99-1433	2	Connector-Female
*99	3290-381	6	Tie - Cable

* Not illustrated

Electrical Schematic

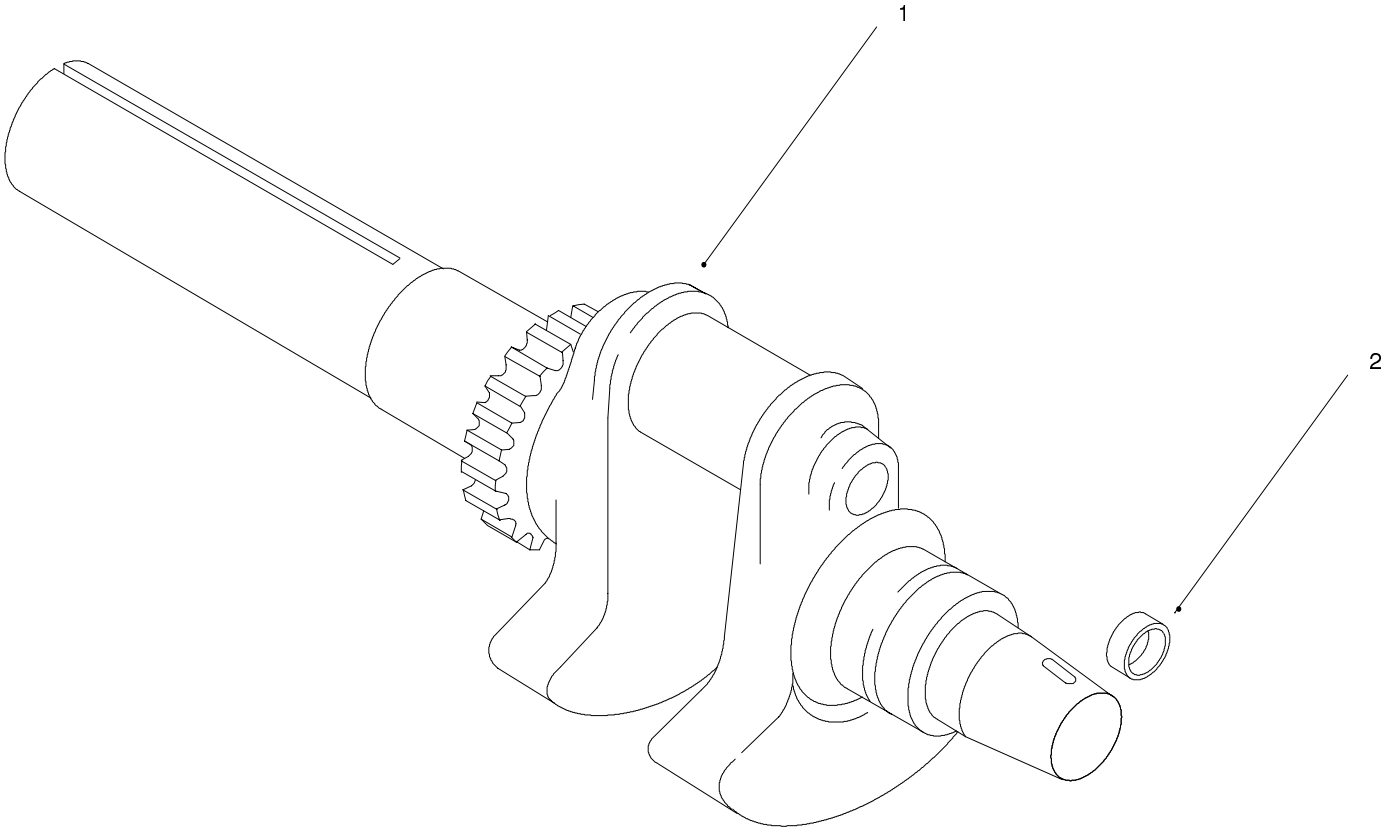


Hydraulic Schematic



DISPLACEMENT A ND PRESSURE CHART					
COMPONENT	DISPLACEMENT	PRESSURE		FLOWRATE*	
COMPONENT	CU IN/REV	CU CM/REV	PSI	BARS	GPM	LPM
P1	0.55 CU IN	9 CC			8.5	32.1
P2	0.24 CU IN	4 CC			3.7	14.0
M1, M3	29.1 CU IN	476 CC				
M2, M4	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 3750 RPM AND 95% EFFICIENCY.

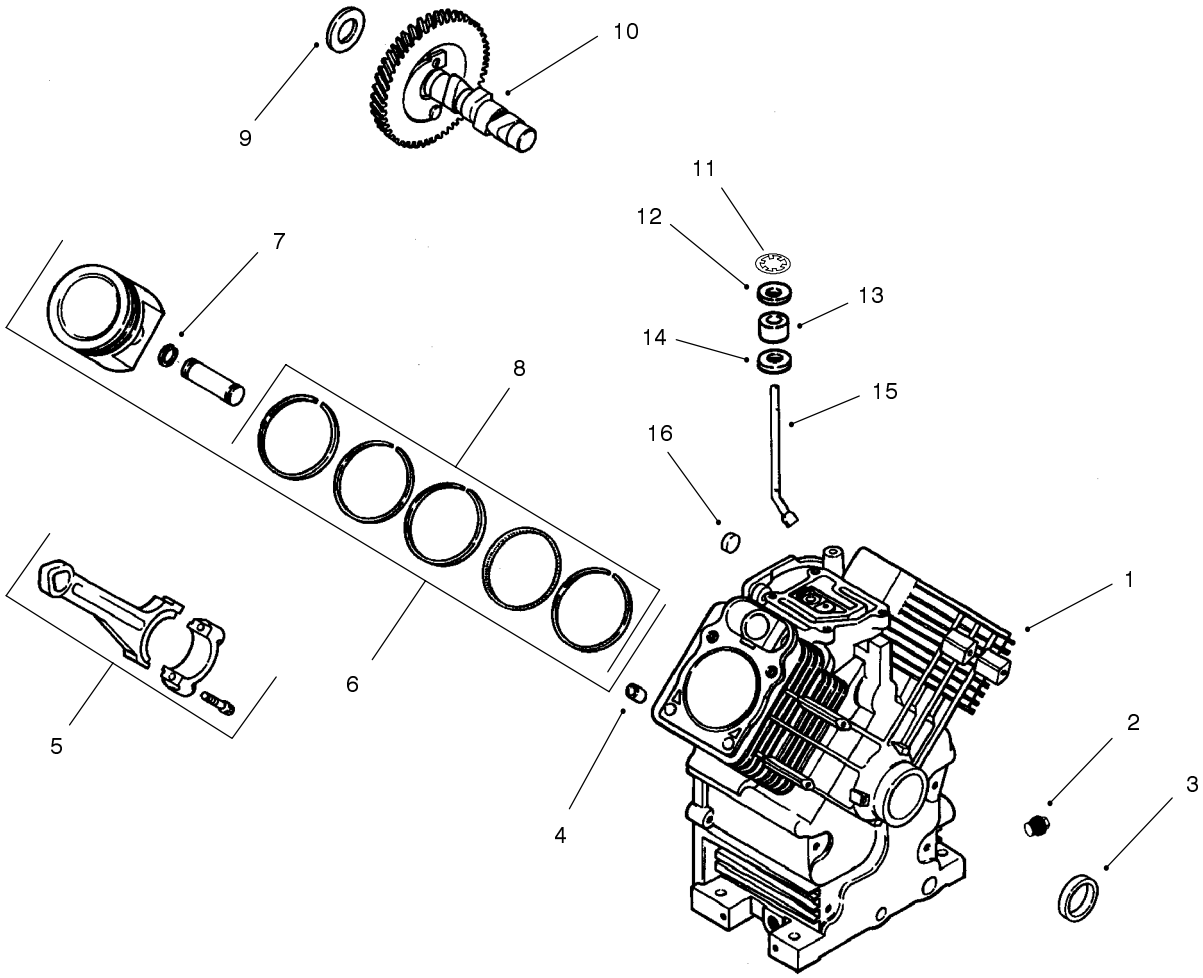


Crankshaft Assembly (Group 1)
Engine: Kohler CH22S PS-66559

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

Ref. No.	Part No.	Qty.	Description

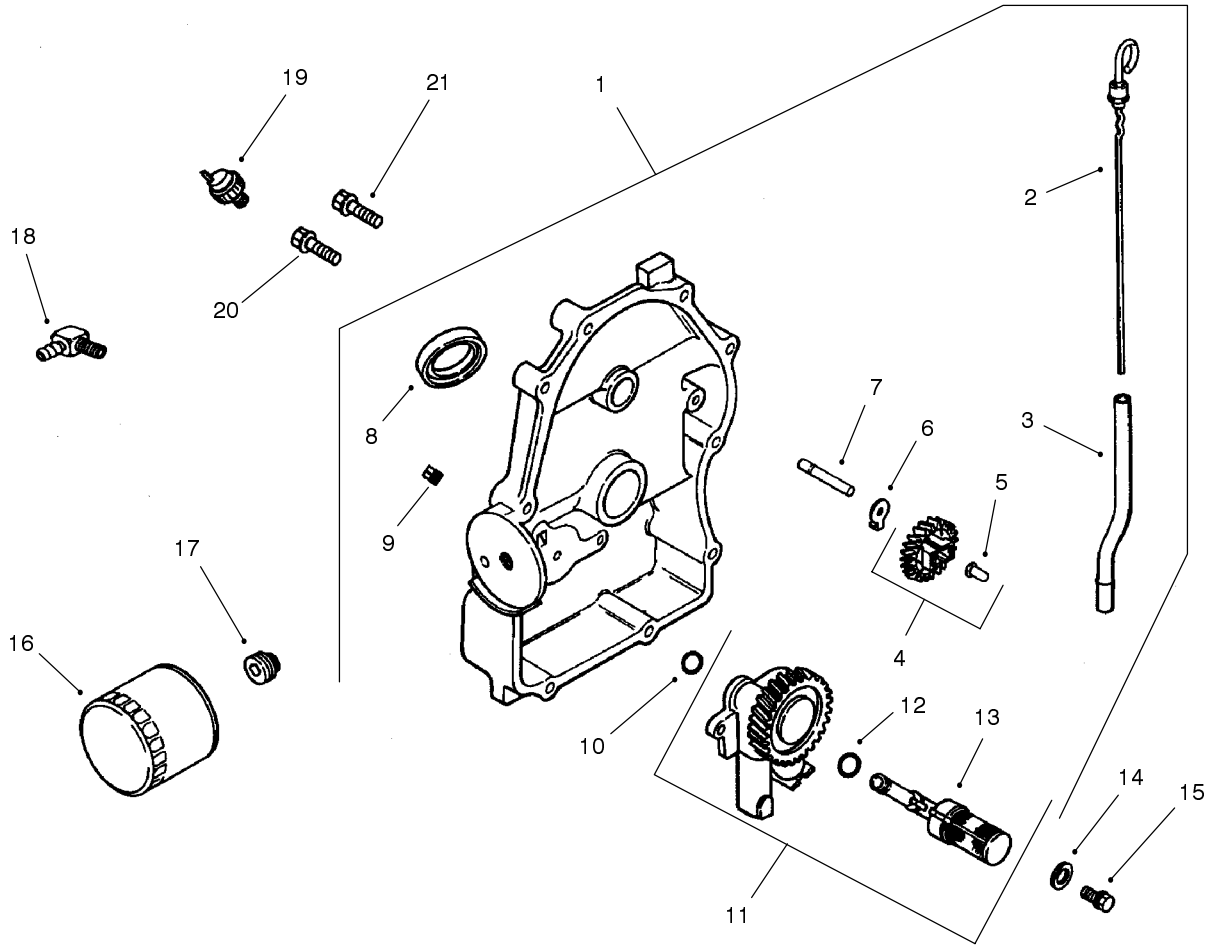
Obtain parts from Kohler



Crankcase Assembly (Group 2)
Engine: Kohler CH22S PS-66559

Ref. No.	Part No.	Qty.	Description
1		1	Block-Cylinder (Use Miniblock 24 782 15)
2	52 139 02-S	2	Plug-Drain
3	24 032 01-S	1	Seal-Oil, Front
4	12 380 13-S	6	Pin-Dowel, Locating
5	24 067 13-S	2	Rod-Connecting (Std.)
	24 067 14-S	2	Rod-Connecting (.25)
6	24 874 01-S	2	Set-Piston w/Ring (Std.) (Includes 7, 8)
	24 874 14-S	2	Piston w/Ring (.08)
	24 874 18-S	2	Set-Piston w/Ring (.25)
	24 874 19-S	2	Set-Piston w/Ring (.50)
7	24 018 01-S	4	Retainer-Pin, Piston
8	24 108 11-S	2	Set-Ring (Std.)
	24 108 12-S	2	Set-Ring (.25)
	24 108 13-S	2	Set-Ring (.50)
9	12 422 09-S	A/R	Shim-Camshaft, Red
	12 422 13-S	A/R	Shim-Camshaft, Black
	12 422 07-S	A/R	Shim-Camshaft, White
	12 422 08-S	A/R	Shim-Camshaft, Blue
	12 422 10-S	A/R	Shim-Camshaft, Yellow
	12 422 11-S	A/R	Shim-Camshaft, Green
	12 422 12-S	A/R	Shim-Camshaft, Gray
10	24 012 05-S	1	Camshaft
11	24 018 09-S	1	Ring-Retainer
12	M-931010-S	1	Washer-Flat
13	28 032 09-S	1	Seal-Shaft, Governor Cross
14	24 468 15-S	1	Washer-Plain
15	24 144 33-S	1	Shaft-Cross, Governor
16	52 139 09-S	1	Plug-Cup

Obtain parts from Kohler

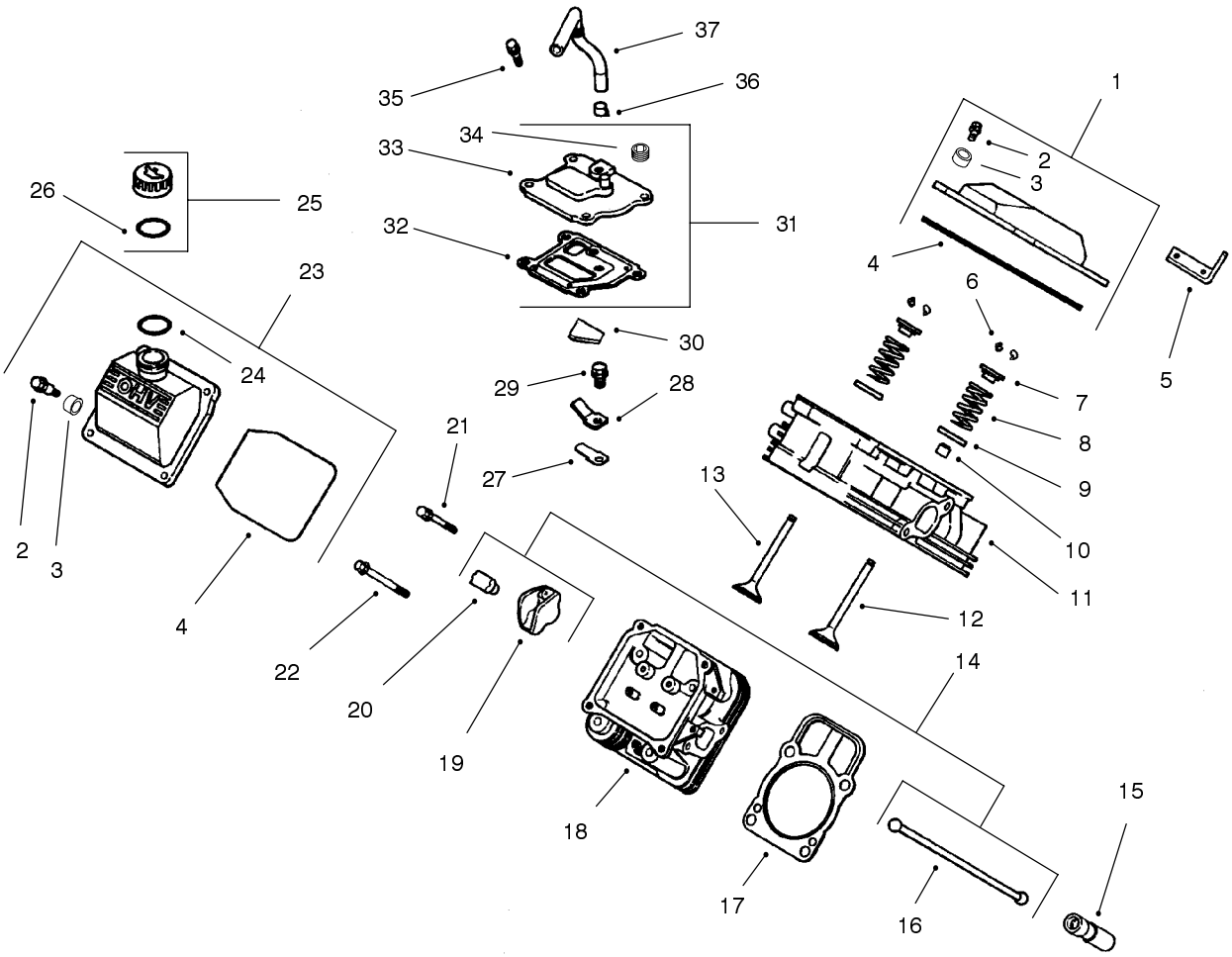


Oil Pan/Lubrication Assembly (Group 3)
Engine: Kohler CH22S PS-66559

Ref. No.	Part No.	Qty.	Description
1	24 009 82-S	1	Closure Plate ASM (Includes 2-13)
2	24 038 10-S	1	Dipstick
3	24 123 16-S	1	Tube-Dipstick
4	24 043 12-S	1	Kit-Gear, Governor (Includes 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	X-75-23	2	Plug-Pipe, 1/8”
10	24 153 08-S	1	O-Ring
11	24 393 10-S	1	Oil pump ASM (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-HF
16	52 050 02-S	1	Filter-Oil
17	24 136 01-S	1	Nipple-Filter, Oil
18	25 155 02-S	1	Connector
19	24 099 03-S	1	Switch-Pressure

Ref. No.	Part No.	Qty.	Description
20	24 086 16-S	9	Screw-HF
21	24 086 17-S	1	Screw-HF

Obtain parts from Kohler

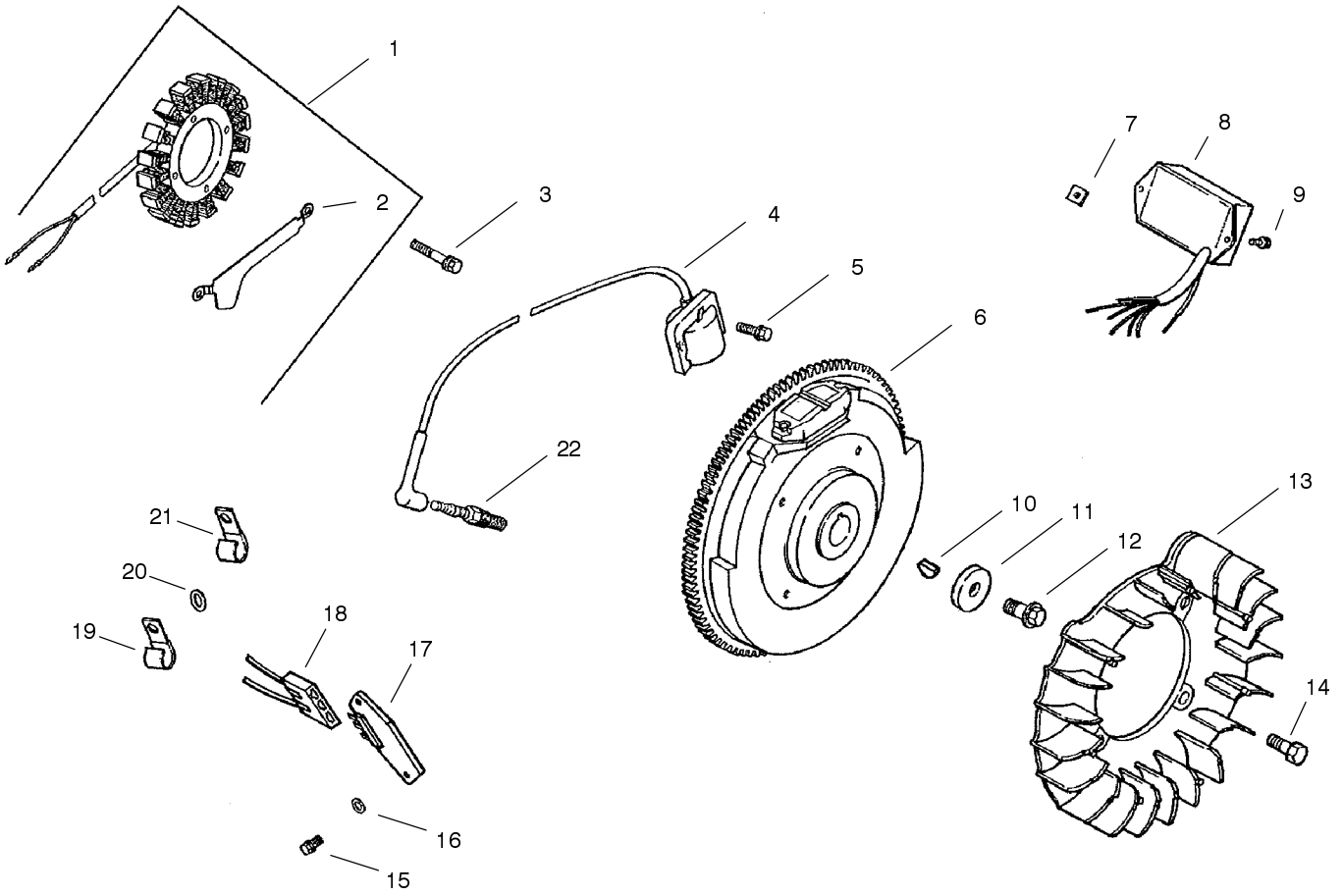


Head/Valve/Breather Assembly (Group 4)
Engine: Kohler CH22S PS-66559

Ref. No.	Part No.	Qty.	Description
1	24 755 74-S	1	Kit-Valve cover, Plain (Includes 3-4)
2	M-651030-S	4	Screw-Shoulder
3	24 112 08-S	4	Spacer
4	24 153 16-S	1	O-Ring-Caover, Valve
5	24 445 01-S	1	Strap-Lifting
6	12 755 03-S	4	Kit-Retainer
7	12 173 01-S	4	Cap-Spring, Valve
8	24 089 02-S	4	Spring-Valve
9	235011-S	4	Retainer-Spring
10	24 032 05-S	2	Seal-Stem, Valve
11	24 318 09-S	1	#1 Cylinder Head ASM
12	24 017 01-S	2	Valve-Intake (Std.)
	24 017 02-S	2	Valve-Intake (.25)
13	24 016 01-S	2	Valve-Exhaust (Std.)
	24 016 02-S	2	Valve-Exhaust (.25)
14	24 755 66-S	1	Kit-Train, Valve (Includes 16,19, 20)
15	12 351 01-S	4	Lifter-Valve
16	24 411 05-S	4	Rod-Push
17	24 041 08-S	2	Gasket-Head, Cylinder
18	24 318 10-S	1	#2 Cylinder Head ASM
19	25 186 01-S	4	Arm-Rocker
20	24 599 01-S	4	Pivot-Arm, Rocker

Ref. No.	Part No.	Qty.	Description
21	M-640034-S	4	Screw-HF
22	12 086 16-S	8	Screw-HF
23	24 755 75-S	1	Kit-Valve Cover, Oil Fill (Includes 2-4, 24)
24	24 153 09-S	1	O-Ring
25	24 755 46-S	1	Kit-Cap, Oil Fill (Includes 26)
26	12 153 03-S	1	O-Ring-Cap, Oil Fill
27	24 402 03-S	1	Reed- Breather
28	12 018 01-S	1	Retainer-Reed, Breather
29	M-545010-S	1	Screw-HF
30	24 050 01-S	1	Filter-Breather
31	24 033 01-S	1	Kit-Breather (Includes 32-34)
32	24 041 23-S	1	Gasket-Breather
33	24 096 58-S	1	Cover-Breather
34	X-75-23-S	1	Plug-Pipe, Allen Head
35	M-645020-S	4	Screw-HF
36	25 237 08-S	2	Clamp-Hose
37	24 326 31-S	1	Hose-Breather

Obtain parts from Kohler

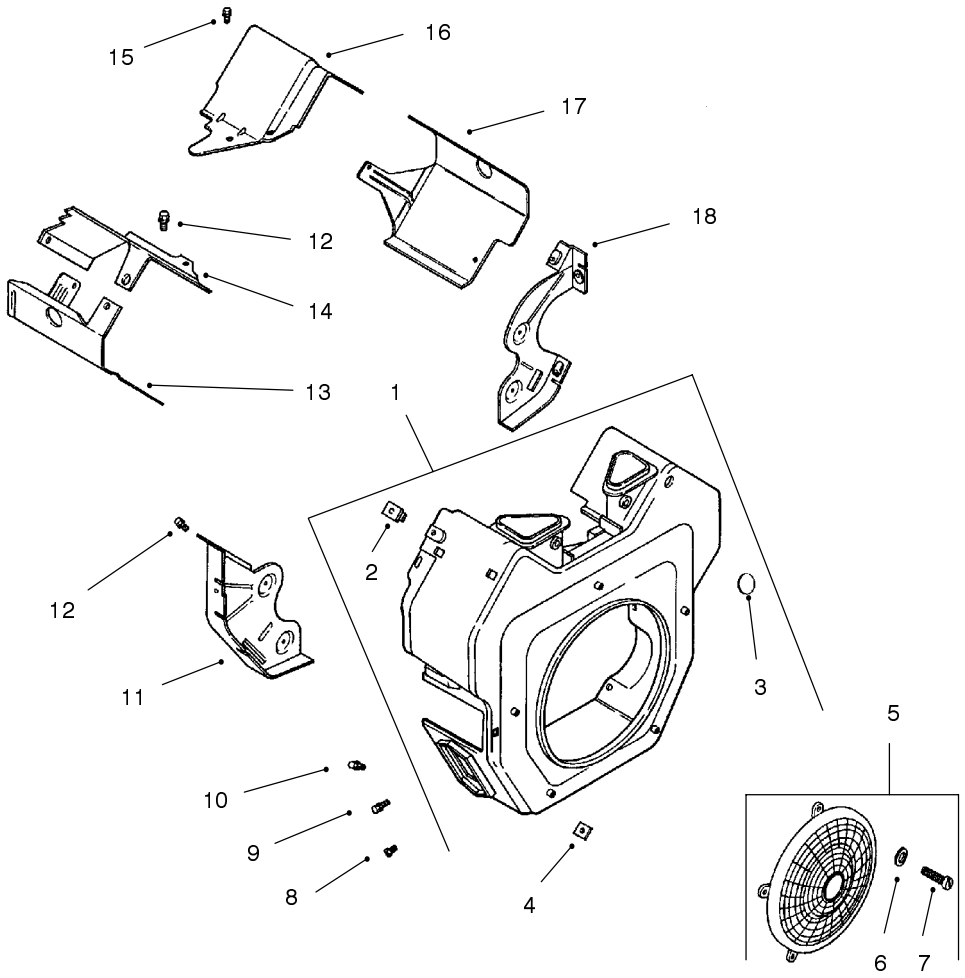


Ignition/Electrical Assembly (Group 5)
Engine: Kohler CH22S PS-66559

Ref. No.	Part No.	Qty.	Description
1	54 755 09-S	1	Kit-Stator, 15 amp (Incl. 2)
2	24 126 71-S	1	Bracket-Wire, Stator
3	M-548025-S	2	Screw-Cap, Hex
4	24 584 15-S	2	Module-Ignition
5	M-561025-S	4	Screw-HSH
6	24 025 05-S	1	Flywheel
7	24 100 02-S	2	Nut-Plastic
8	24 584 09-S	1	Module-Advance, Speed
9	24 086 41-S	2	Screw
10	X-42-15-S	1	Key
11	12 468 03-S	1	Washer-Plain
12	12 086 14-S	1	Screw-HF
13	24 157 03-S	1	Fan
14	25 086 47-S	4	Bolt-Shoulder
15	24 086 18-S	2	Screw-Head, Phillips
16	X-25-92-S	2	Washer-Plain
17	25 403 03-S	1	Rectifier-Regulator
18	236602-S	1	Connector
19	47 154 01-S	1	Clip-Cable
20	X-25-63-S	1	Washer-Plain
21	48 154 02-S	1	Clip-Cable
22	12 132 06-S	2	Plug-Spark

Ref. No.	Part No.	Qty.	Description
*	25 518 12-S	1	Lead-Black, (4" - 18 gauge - insulated grip barrel eyelet terminals)
*	24 176 42-S	1	Harness-Wiring
*	X-22-11-S	1	Washer-Lock
*	25 454 03-S	1	Tie-Wire

Obtain parts from Kohler
* Not illustrated

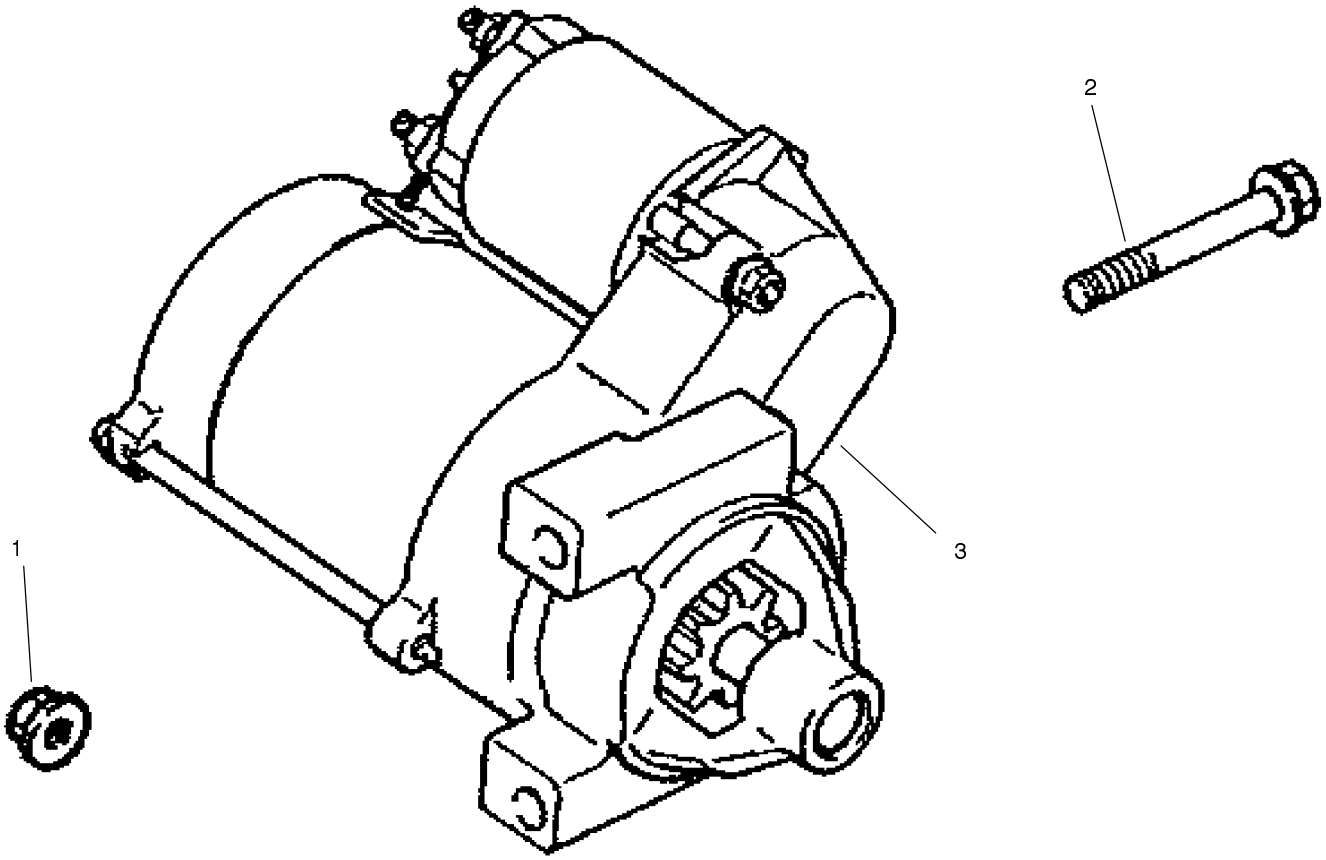


Blower Housing and Baffles Assembly (Group 6)
Engine: Kohler CH22S PS-66559

Ref. No.	Part No.	Qty.	Description
1	24 027 40-S	1	Housing-Blower (Includes 2-5)
2	24 100 02-S	2	Nut-Plastic
3	25 139 16-S	1	Plug-Button
4	24 100 01-S	2	Nut-Plastic
5	24 755 81-S	1	Kit-Guard, Fixed (Includes 6, 7, 24 332 01-S & 24 113 18-S)
6	24 468 10-S	5	Washer-Plain
7	24 086 35-S	5	Screw-Head, Pan
8	M-551016-S	1	Screw-HF
9	M-545016-S	5	Screw-HF
10	M-545020-S	2	Screw-HF
11	24 146 02-S	1	Plate-Backing, #2 Side
12	M-645016-S	6	Screw-HF
13	24 063 20-S	1	Baffle-Cylinder Barrel, #2 Side
14	24 063 17-S	1	Baffle-Valley, #2 Side
15	M-545010-S	2	Screw-HF
16	24 063 24-S	1	Baffle-Valley, #1 Side
17	24 063 58-S	1	Baffle-Cylinder Barrel, #1 Side
18	24 146 20-S	1	Plate-Backing, #1 side

Ref. No.	Part No.	Qty.	Description
*	24 332 01-S	5	Insert-Threaded
*	24 113 18-S	1	Decal-Screen, Grass
*	24 113 96-S	1	Decal-22HP

Obtain parts from Kohler
* Not illustrated

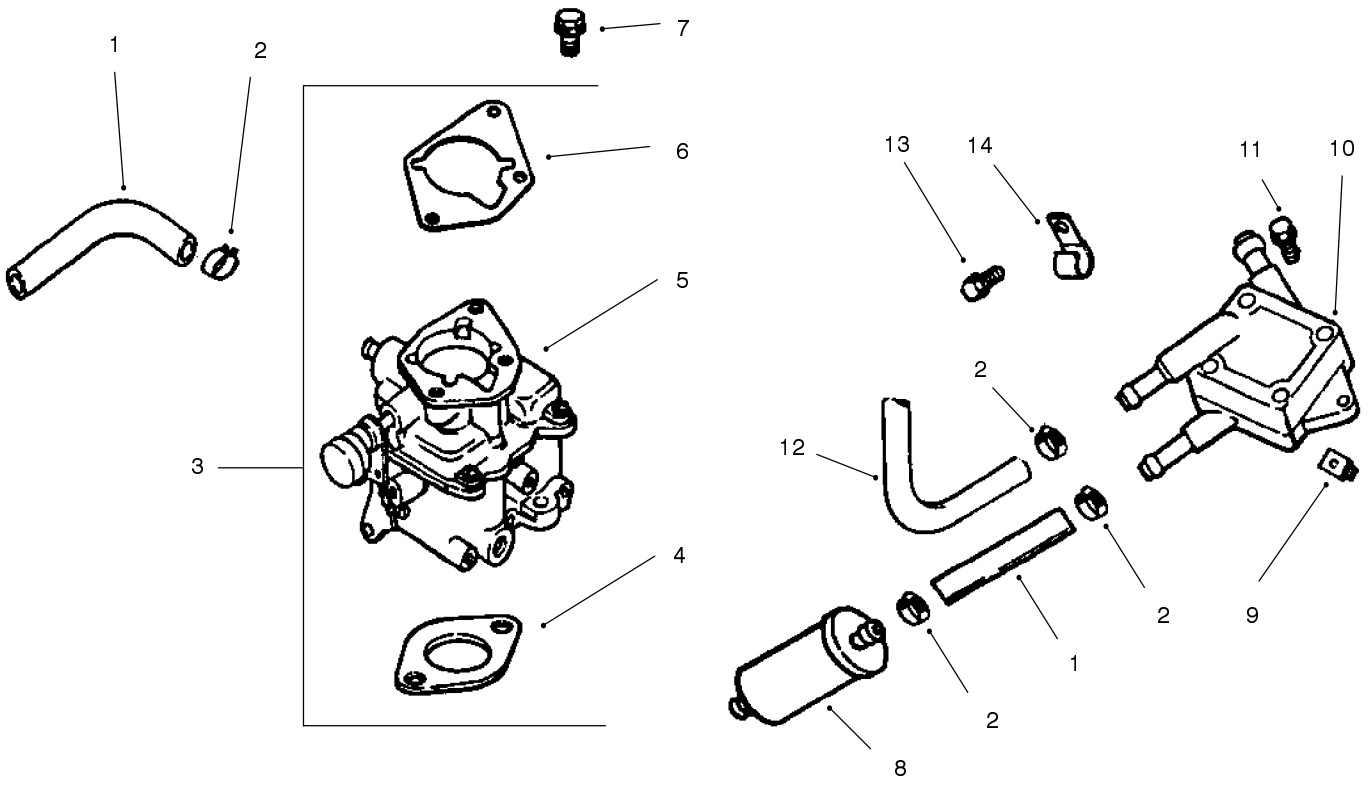


Starting System Assembly (Group 7)
Engine: Kohler CH22S PS-66559

Ref. No.	Part No.	Qty.	Description
1	M-841080-S	1	Nut-HF
2	M-839080-S	2	Screw-HF
3	25 098 08-S	1	Solenoid Shift Starter ASM

Ref. No.	Part No.	Qty.	Description

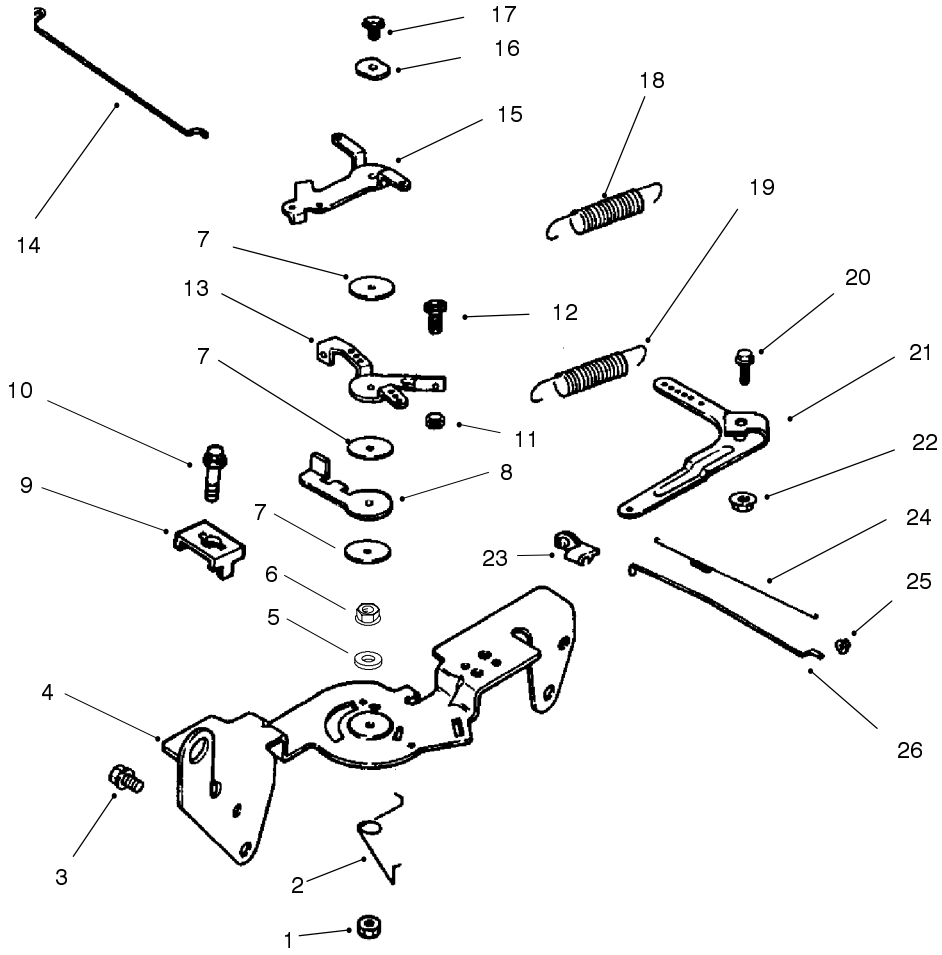
Obtain parts from Kohler



Fuel System Assembly (Group 8)
Engine: Kohler CH22S PS-66559

Ref. No.	Part No.	Qty.	Description
1	25 353 10-S	2	Line-Fuel, 9”
2	25 237 14-S	6	Clamp-Hose
3	24 853 32-S	1	Kit-Carburetor w/Gasket (Includes 4-6)
4	24 041 17-S	1	Gasket-Carburetor
†5	24 053 32-S	1	Carburetor ASM (Includes 25 757 01-S, 24 757 02-S, 24 757 03-S, & 24 757 07-S)
6	24 041 06-S	1	Gasket-Base, Air Cleaner
7	M-651030-S	2	Screw-HF
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
12	24 353 02-S	1	Line-Fuel, 15-1/2”
13	M-650012-S	1	Screw-HF
14	47 154 01-S	1	Clip-Cable
*	24 757 01-S	1	Kit-Soleniod
*	24 757 02-S	1	Kit-Float
*	24 757 03-S	1	Kit-Repair, Carburetor
*	24 757 07-S	1	Kit-Repair, Choke

Obtain parts from Kohler
* Not illustrated
† For information only; not available separately

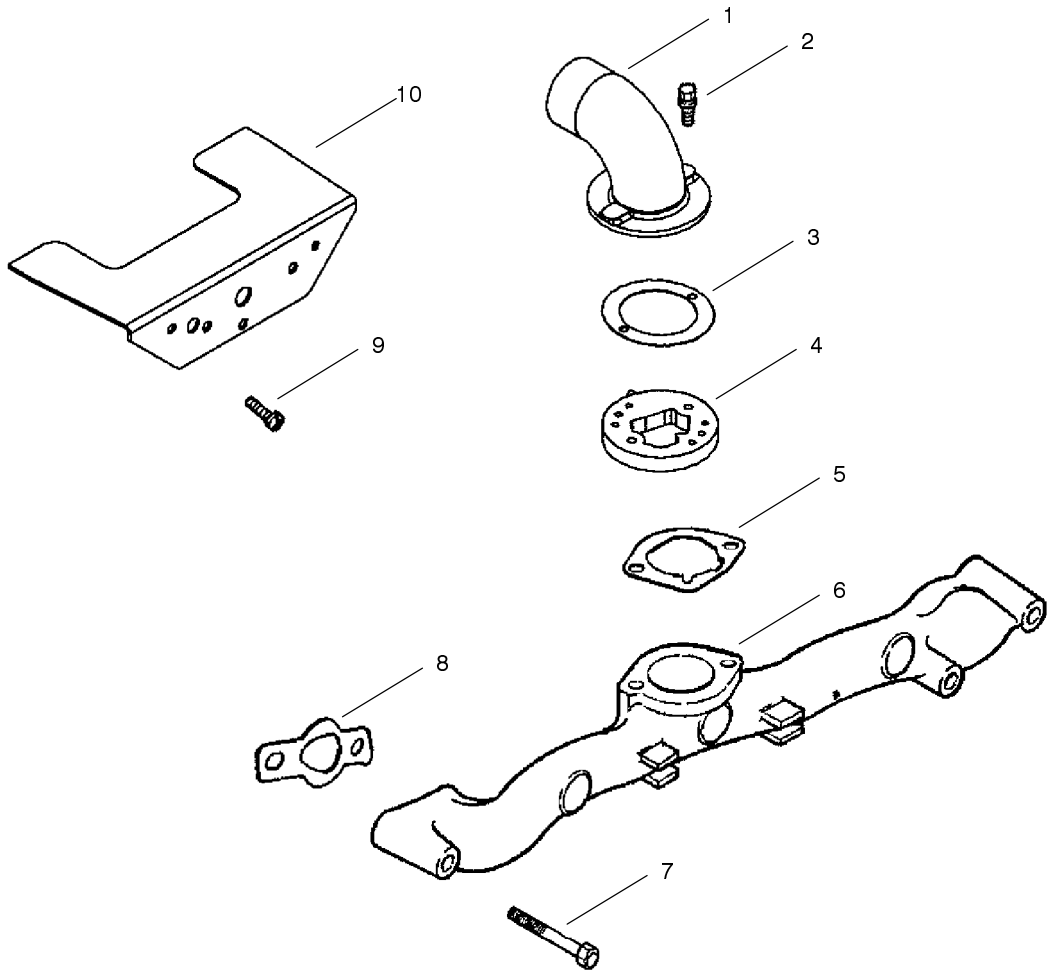


Engine Controls Assembly (Group 9)
Engine: Kohler CH22S PS-66559

Ref. No.	Part No.	Qty.	Description
1	M-547050-S	1	Nut-Lock, Hex
2	24 089 03-S	1	Spring-Return, Choke
3	M-645016-S	4	Screw-HF
4	24 126 56-S	1	Bracket-Control
5	X-20-1-S	1	Washer-Plain
6	M-541050-S	1	Nut-HF
7	24 468 01-S	3	Washer-Plain
8	24 090 07-S	1	Lever-Actuator, Throttle
9	12 237 01-S	2	Clamp-Cable
10	M-545016-S	2	Screw-HF
11	M-446030-S	1	Nut-Hex
12	M-401030-S	1	Screw
13	24 090 03-S	1	Lever-Control, Throttle
14	24 079 02-S	1	Linkage-Choke
15	24 090 05-S	1	Lever-Choke
16	41 468 03-S	1	Washer-Spring
17	M-545020-S	1	Screw-HF
18	24 089 51-S	1	Spring-Limiter, Throttle
19	24 089 46-S	1	Spring-Governor
20	24 211 03-S	1	Bolt-Head, Round
21	24 090 33-S	1	Lever-Governor
22	M-641060-S	1	Nut-HF
23	25 158 11-S	1	Bushing

Ref. No.	Part No.	Qty.	Description
24	24 089 01-S	1	Spring-Linkage
25	25 158 08-S	1	Bushing
26	24 079 01-S	1	Linkage-Throttle

Obtain parts from Kohler

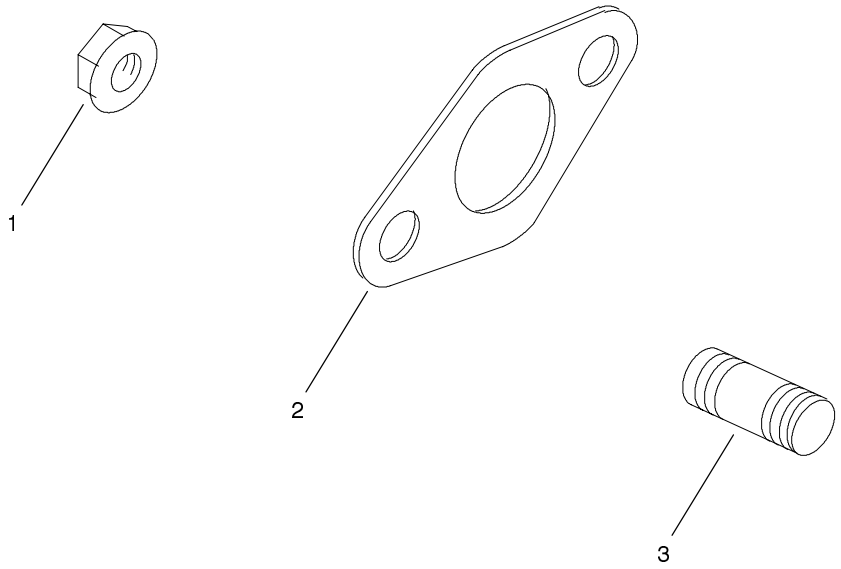


Air Intake/Filtration Assembly (Group 10)
Engine: Kohler CH22S PS-66559

Ref. No.	Part No.	Qty.	Description
1	24 029 21-S	1	Adapter-Air Cleaner, Adapter
2	M-639016-S	4	Screw-HF
3	24 041 34-S	1	Gasket-Adapter
4	24 029 26-S	1	Adapter ASM
5	24 041 06-S	1	Gasket-Base, Air Cleaner
6	24 164 14-S	1	Manifold-Intake
7	M-651055-S	4	Screw-HF
8	24 041 01-S	2	Gasket-Manifold, Intake
9	24 086 06-S	2	Screw-Head, Phillips
10	24 314 25-S	1	Shield-Debris
*	25 113 27-S	1	Decal-Cleaner, Air
*	24 146 25-S	1	Decal-22 HP

Ref. No.	Part No.	Qty.	Description

Obtain parts from Kohler
* Not illustrated



Exhaust Assembly (Group 11)
Engine: Kohler CH22S PS-66559

Ref. No.	Part No.	Qty.	Description
1	25 072 04	4	Stud
2	93-0350	2	Gasket-Exhaust
3	M-0841080	4	Nut-HF
4	M-0839020	2	Screw-HF
*	24 755 03	1	Set-Gasket

Ref. No.	Part No.	Qty.	Description

Obtain parts from Kohler
* Not illustrated

Maintenance Record

Date								


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