



Dingo[®] 322 Compact Utility Loader

Model No. 22305 – 990001 & Up

Parts Catalog

ORDERING REPLACEMENT PARTS

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

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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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

Important Format Explanations

This catalog uses special formats to convey information in illustrations and parts lists. Specifically, one format is used in conjunction with service assemblies and another with quantities associated with reference numbers.

Service Assemblies

Parts within service assemblies have reference numbers in the form $X:Y$. X is the reference number of the service assembly and Y is a sequential number unique to each part within the service assembly.

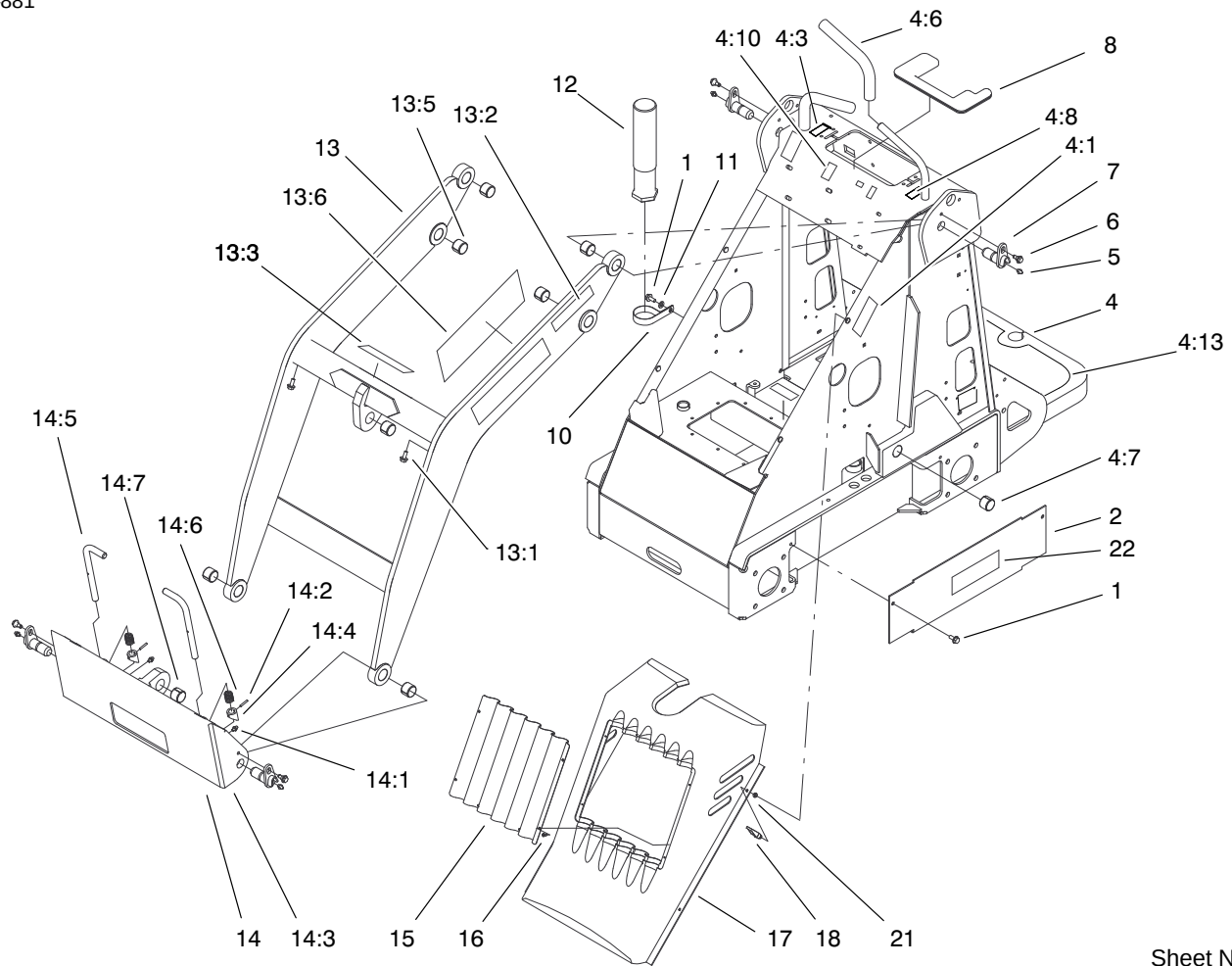
For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part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

Reference numbers of this type appear in part lists and as callouts in illustrations.

Reference Numbers with Quantities

Illustrations may have a quantity in parentheses next to a reference number, in the form $X (Y)$. X is the reference number. Y in parentheses is the quantity of the part identified by the reference number.

For example, the illustration callout 4 (2) indicates that two parts are used in that instance.

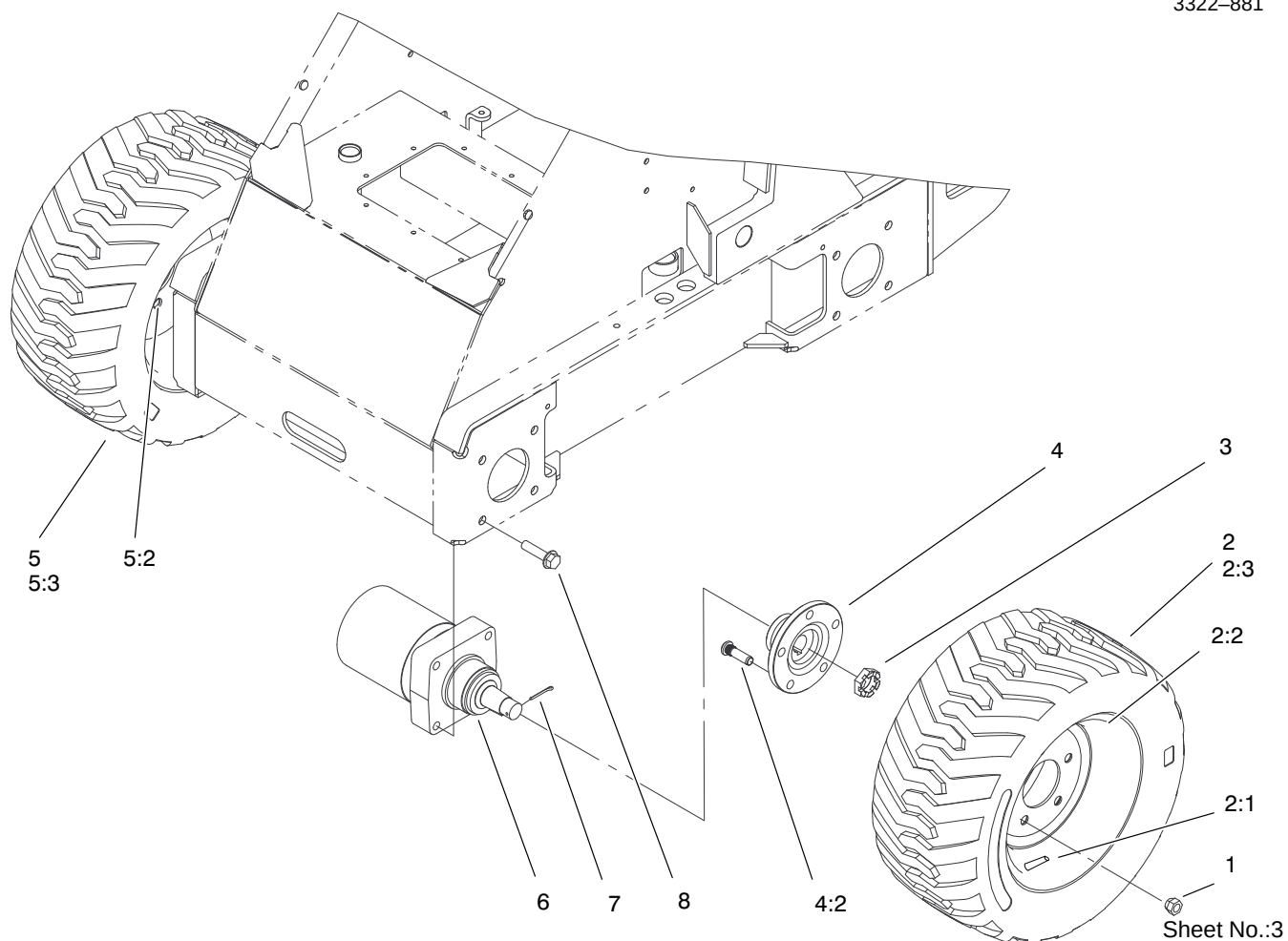


Sheet No.:2

Frame And Loader Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	32144-70	10	Screw-Taptite
2	99-3020	2	Cover - Hose
4	99-3145	1	Frame & Decal ASM
4:1	80-8010	2	Warning-Keep Hands Away
4:3	94-2551	1	Decal - Choke
4:6	98-4845	2	Grip - Cushion
4:7	98-4871	2	Bushing - Tension
4:8	98-8219	1	Decal - Throttle
4:10	98-8235	1	Decal - Selector
4:13	98-9947	2	Tread - Foot
5	302-5	10	Fitting-Lube
6	99-5105	10	Shoulder Screw
7	99-1414	10	Pin-Pivot
8	99-3155	1	Cover - Valve
10	2412-133	1	R-Clamp
11	3256-23	12	Washer-Flat
12	74-0720	1	Tube-Manual
13	99-1354	1	Loader & Decal ASM
13:1	32144-70	2	Screw-Taptite
13:2	80-8010	4	Warning-Keep Hands Away
13:3	98-4682	1	Decal - Caution
13:5	98-4871	7	Bushing - Tension
13:6	98-9051	1	Decal - Danger
14	98-4690	1	Quick Attach ASM

Ref. No.	Part No.	Qty.	Description
14:1	302-5	2	Fitting-Lube
14:2	32121-94	2	Special Pin
14:3	98-4691-03	1	Mount-Quick Attach
14:4	98-4692	2	Cam-Quick Attach
14:5	98-4693	2	Pin-Quick Attach
14:6	98-4694	2	Spring - Compression
14:7	98-4871	1	Bushing - Tension
15	99-3147	1	Grille - Screen
16	32144-111	8	Screw-Plask
17	99-3137	1	Cover - Hood
18	74-5950	4	Latch - Swell
21	99-3058	4	Washer
22	99-3068	2	Decal-4-PAW

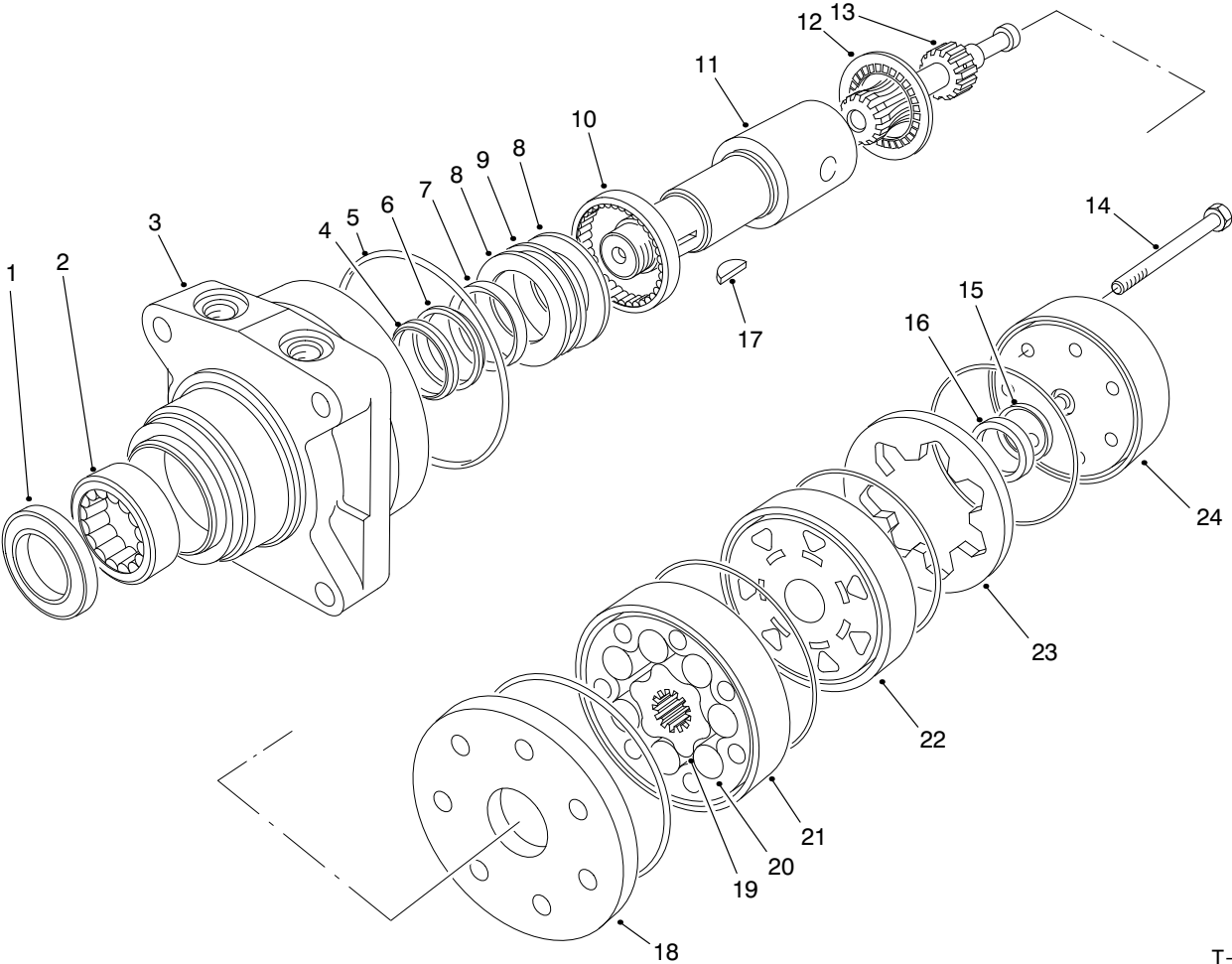


Wheel And Motor Assembly

Ref. No.	Part No.	Qty.	Description
1	242-50	20	Lug Nut
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-Drive Type
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
*6:1	94-8178	1	Seal Kit - Wheel Motor
7	99-3171	4	Pin - Cotter
8	3234-27	16	Screw-Flange

Ref. No.	Part No.	Qty.	Description

* Not illustrated

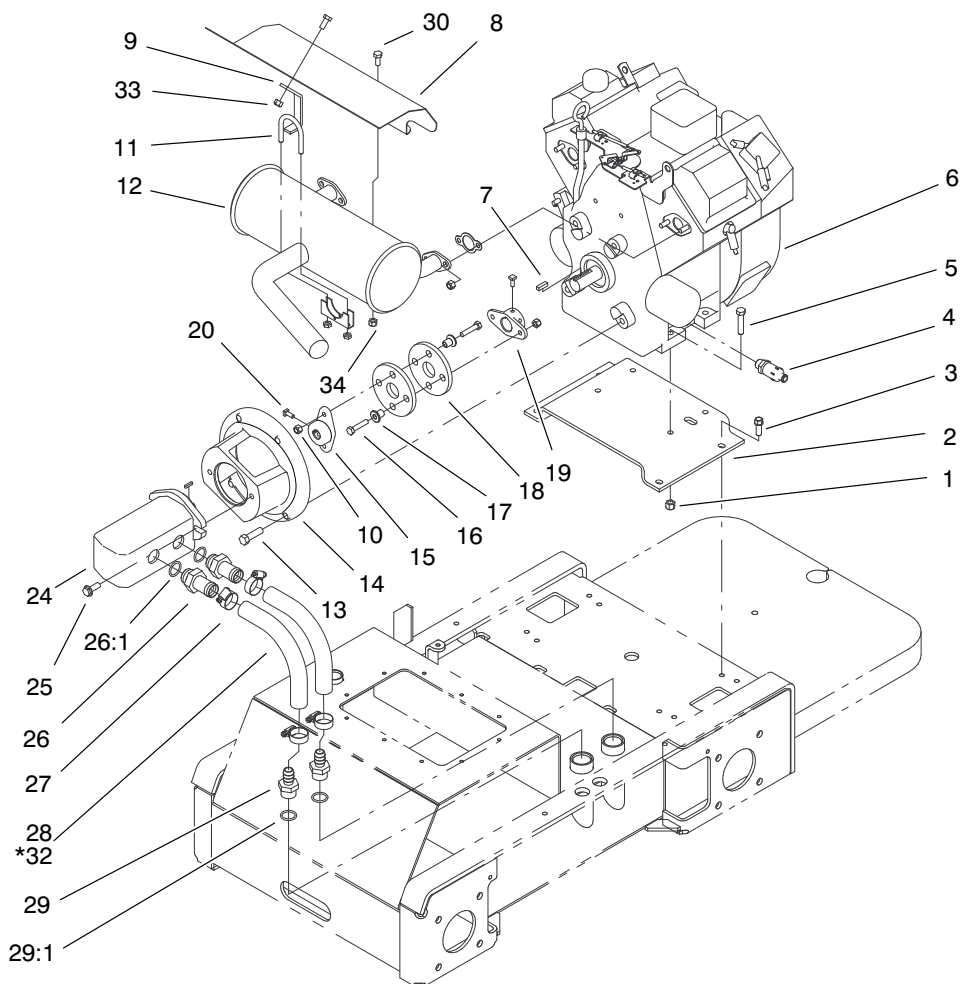


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Hydraulic Motor Assembly No. 99-3052

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
†1		1	Ring – Seal				
†2		1	Bearing				
†3		1	Housing				
†4		1	Washer				
†5		5	Ring – Seal				
†6		1	Washer – Back-Up				
†7		1	Seal – Inner				
†8		2	Washer – Thrust				
†9		1	Bearing				
†10		1	Bearing				
11	99-3090	1	Shaft – Coupling				
†12		1	Bearing – Thrust				
†13		1	Link – Drive				
14	99-3091	7	Screw – Cap Hex. Hd.				
†15		1	Seal – Commutator				
†16		1	Commutator				
†17		1	Key – Woodruff				
†18		1	Plate – Wear				
†19		1	Rotor				
†20		7	Vane				
†21		1	Stator				
†22		1	Manifold				
†23		1	Ring – Commutator				
†24		1	End Cover Assembly				
*	94-8178	1	Seal Kit (Incl. Ref.#1, 4-7 & 15)				

* Not illustrated
† Not Serviced Separately

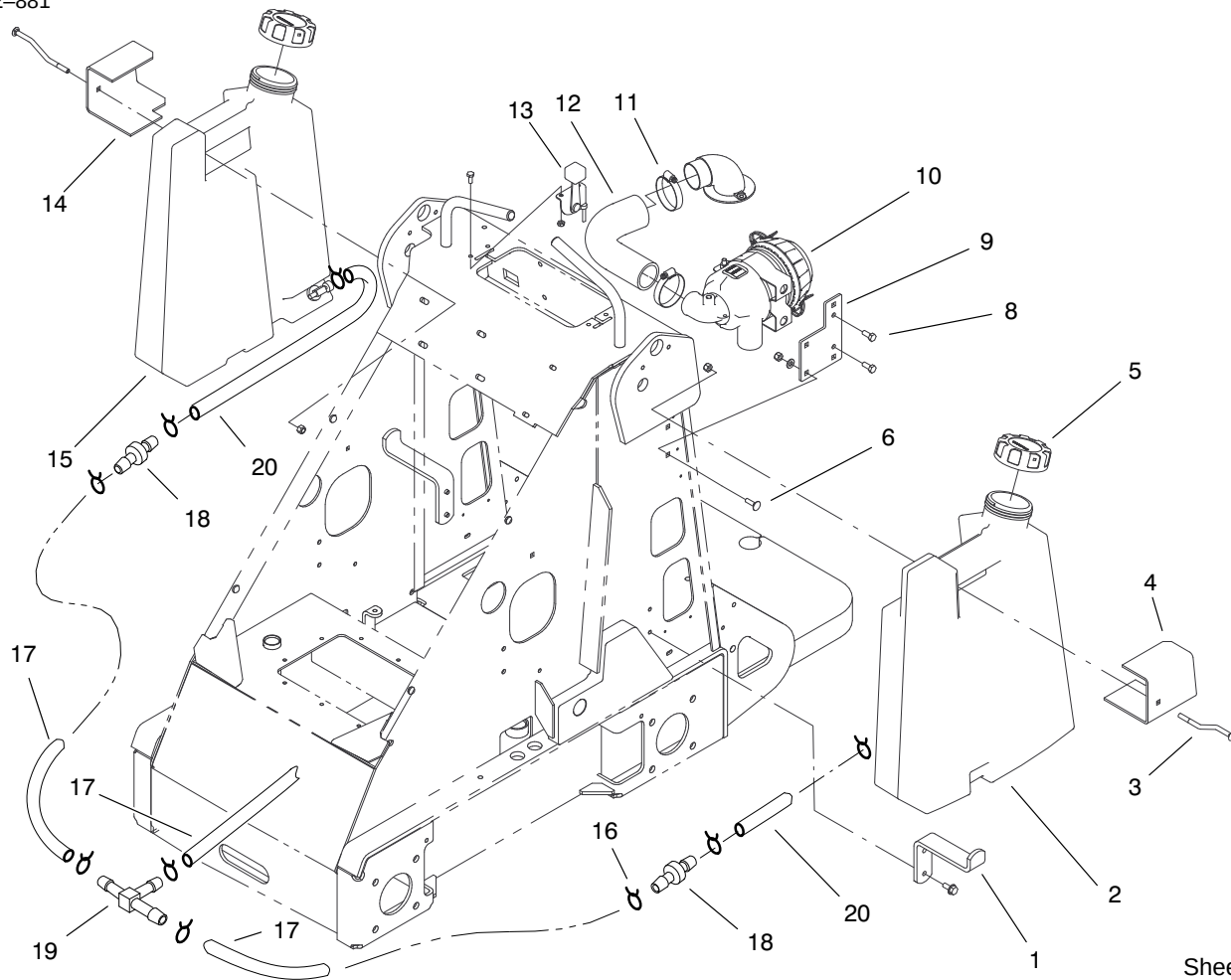


Sheet No.:4

Engine And Pump Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3296-39	4	Nut-Lock Ni	26	99-3017	2	Fitting
2	98-4666-03	1	Mount – Engine	26:1	237-81	1	O-Ring
3	95-1726	4	Screw-Taptite w/Patch	27	2412-129	6	Hose Clamp
4	92-6877	1	Valve – Oil Drain	28	99-3178	2	Hose – Hydraulic Suction
5	323-9	4	Screw-HH	29	354-78	2	Connector-Hose
6		1	Engine – Kohler 22hp CH22S PS-66557	29:1	237-146	1	O Ring
7	10-7070	1	Square Key	30	3234-33	6	Screw-HHF
8	99-3136	1	Shield – Muffler	*31	98-4667	1	Hose – Drain, Oil
9	99-3138	1	Support – Shield	*32	99-3059	2	Spring-Compression
10	3296-29	21	Nut-Lock Ni	33	32152-1	1	Nut-Lok
11	2112-9	1	Clamp	34	32151-4	2	Nut-Lok
12	100-1711	1	Muffler-Kohler 22				
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	3241-5	4	Setscrew				
24	98-4702	1	Pump – Gear, Tandem				
24:1	98-4700	1	Key-Square				
*24:2	99-1353	1	Seal Kit – Pump				
25	66-9300	2	Screw-Flange				

* Not illustrated



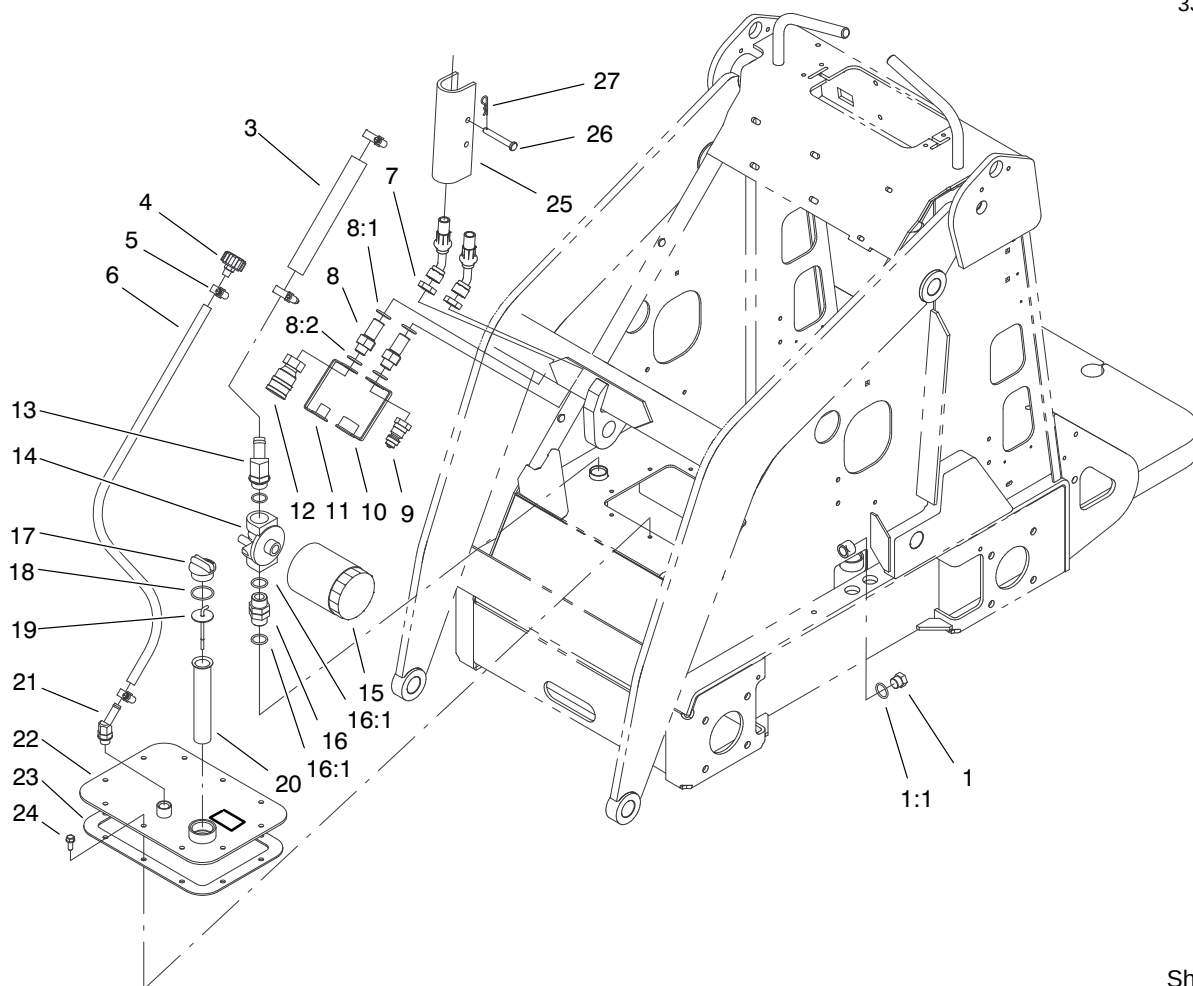
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Sheet No.:5

Fuel Tank And Air Filter Assembly

Ref. No.	Part No.	Qty.	Description
1	98-4656-03	2	Mount – Tank Bottom
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	1	Plate – Mount, Left
5	88-3980	2	Gas Cap Assembly
6	3230-2	2	Screw–CARR
8	322-3	5	Screw–HH
9	99-5110	1	Mount – Air Cleaner
10	99-3160	1	Air Cleaner ASM
*10:2	99-3176	1	Cover
*10:3	99-3173	1	Element–Filter
*10:5	99-3174	2	Clip
*10:6	99-3175	1	Valve–Dust Ejector
*10:7	99-3198	1	Filter–Safety
*10:8	99-3197	1	Bracket ASM–Filter
11	2412-42	2	Hose Clamp
12	99-3144	1	Hose – Air
13	85-9310	2	Control–Choke
14	98-4655-03	1	Plate – Mount
15	98-4654	1	Fuel Tank ASM
*15:1	104047	1	Bushing
*15:2	104048	1	Valve–Fuel
16	2412-98	10	Clamp

Ref. No.	Part No.	Qty.	Description
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

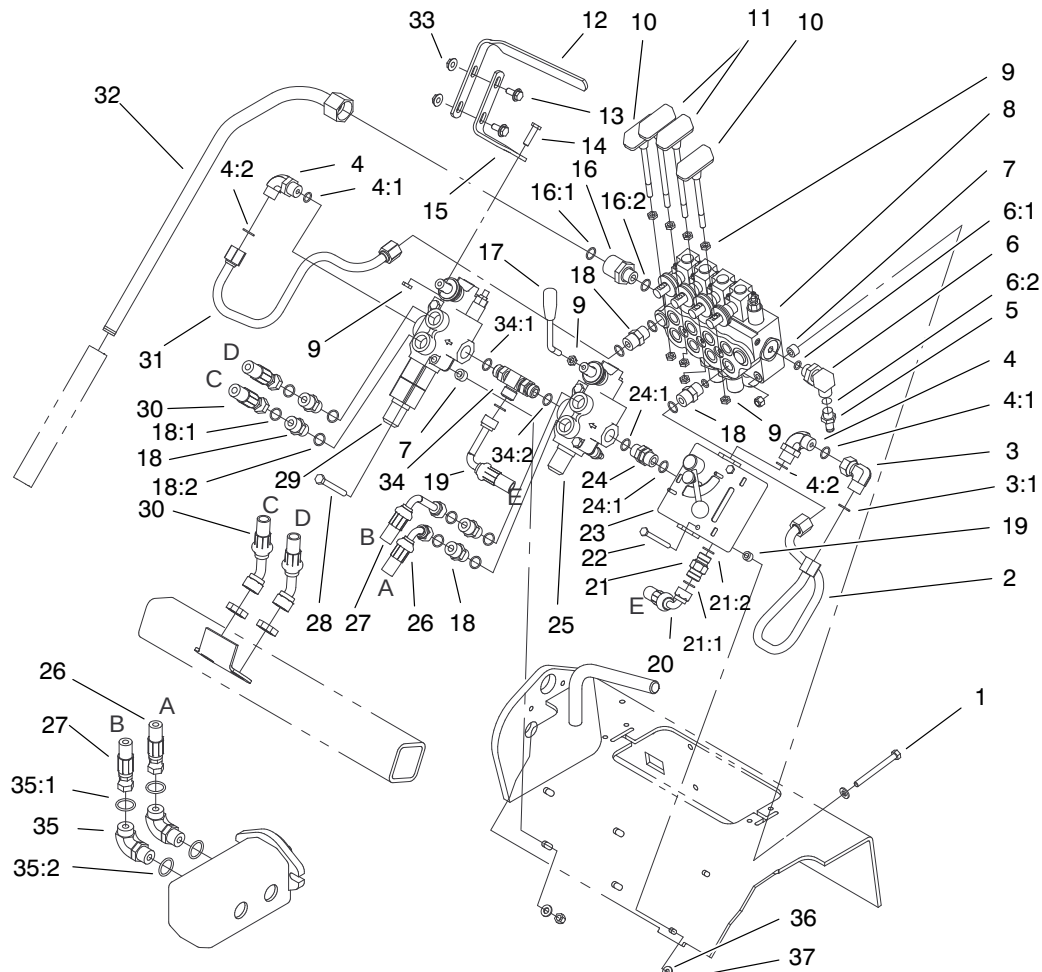
* Not illustrated



Sheet No.:6

Hydraulic Tank Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	353-988	1	Plug-Hollow Hex	20	61-2790	1	Screen Filter
1:1	237-79	1	O-Ring	21	354-126	1	Fitting-Hyd
3	98-2713	1	Hose-Hyd, Suction	22	99-3128-03	1	Cover
4	68-6150	1	Breather-Air	23	98-9927	1	Gasket - Cover
5	2412-36	2	Clamp	24	98-9940	10	Screw
6	98-2708	1	Hose - Vent	25	98-4675-01	2	Lock-Cylinder
7	340-127	2	Nut-Bulkhead	26	283-52	2	Pin-Clevis
8	98-9907	2	Union - Bulkhead, Orb	27	3290-467	2	Hairpin Cotter
8:1	237-30	1	O-Ring				
8:2	237-79	1	O-Ring				
9	98-4698	1	Male-Quick Disconnect				
10	98-9912	1	Cap - Dust				
11	98-9913	1	Plug - Dust				
12	98-4699	1	Female-Quick Disconnect				
13	99-3016	1	Fitting - 45 Degree				
13:2	237-81	1	O-Ring				
14	92-5821	1	Filter Head ASM				
15	54-0110	1	Filter-Oil Transmission				
16	98-9906	1	Fitting - Straight Thread				
16:1	237-81	2	O-Ring				
17	93-7498	1	Plug - Plastic				
18	237-123	1	O-Ring				
19	99-1351	1	Dipstick				



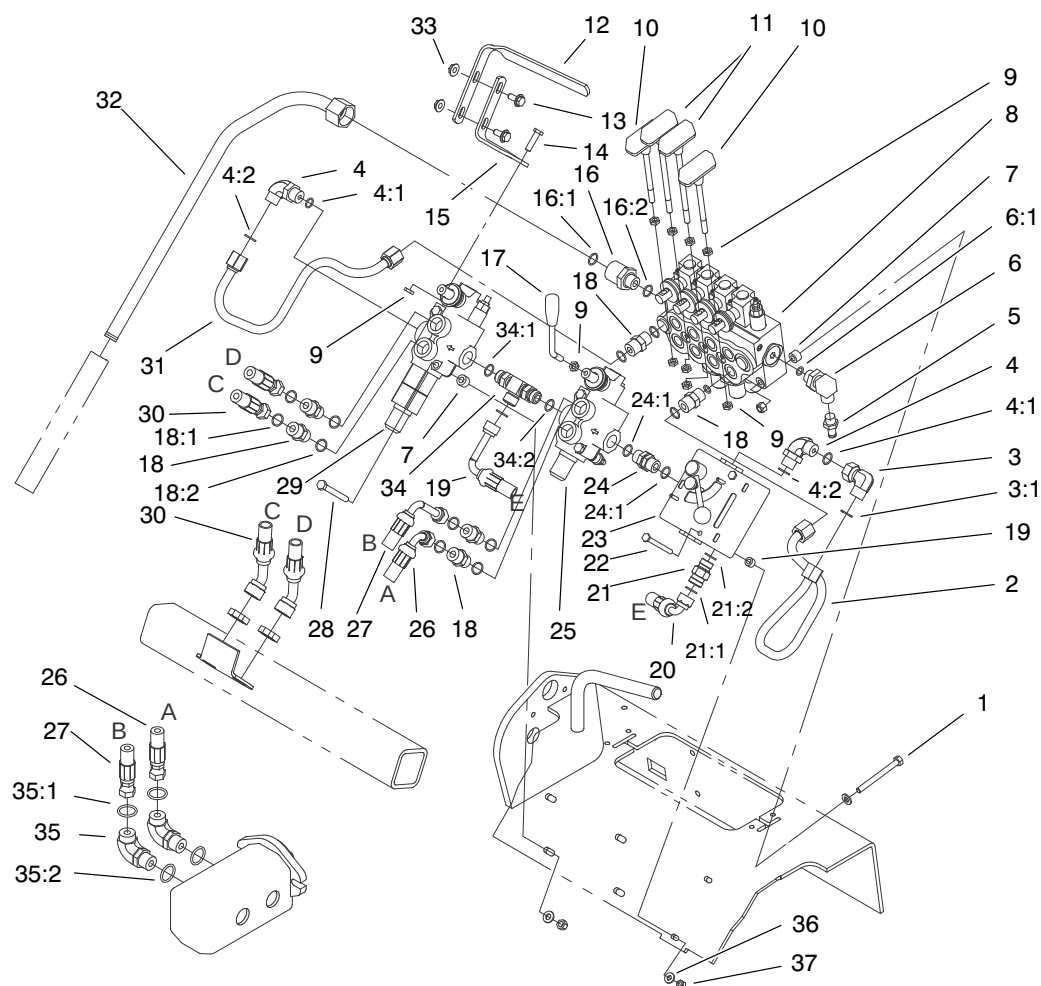
Sheet No.:7

Hydraulic Valves Assembly

Ref. No.	Part No.	Qty.	Description
1	322-20	3	Screw-HH
2	99-3030	1	Line-Hyd, Cf
3	94-6031	1	Fitting - Hyd
3:1	237-30	1	O-Ring
4	340-98	2	Adapter
4:1	237-30	1	O-Ring
4:2	237-79	1	O-Ring
5	354-85	1	Nipple-Diagnostic (Serial # Range 990001-990999)
6	354-86	1	Adapter - 90° (Serial # Range 990001-990999)
6:1	237-79	1	O-Ring
5	86-5480	1	Nipple-Diagnostic (Serial # Range 991000 & Up)
6	340-18	1	Adapter - 90° (Serial # Range 991000 & Up)
6:1	237-79	1	O-Ring
6:2	237-22	1	O-Ring
7	98-4695	7	Tube - Spacer
8	99-3032	1	Valve-Hydraulic
*8:1	98-4720	1	Seal Kit
9	42-9580	10	Nut-Hex

Ref. No.	Part No.	Qty.	Description
10	98-4671	2	Cylinder Handle ASM
11	98-4670	2	Drive Handle ASM
12	98-9090	1	Grip - Control
13	3234-5	2	Screw-HHF
14	33104-030	1	Screw-HHF
15	99-1376	1	Mount - Control
16	98-9921	1	Fitting-Straight Thread
16:1	237-145	1	O-Ring
16:2	237-79	1	O-Ring
17	98-4729	1	Lever - Valve
18	340-4	6	Adapter
18:1	237-30	1	O-Ring
18:2	237-79	1	O-Ring
19	98-4799	2	Tube - Spacer
20	98-4744	1	Hose ASM
21	98-4735	1	Valve - Hyd, Check
21:1	237-30	1	O-Ring
21:2	237-79	1	O-Ring
22	321-14	2	Screw-HH
23	99-3018	1	Valve-Flow Control
*23:1	98-9097	1	Seal Kit-Valve
*23:2	98-9098	1	Kit - Handle Hardware
24	95-3209	1	Fitting - Straight Thread
24:1	237-79	2	O-Ring

* Not illustrated



Sheet No.:7

Hydraulic Valves Assembly (Continued)

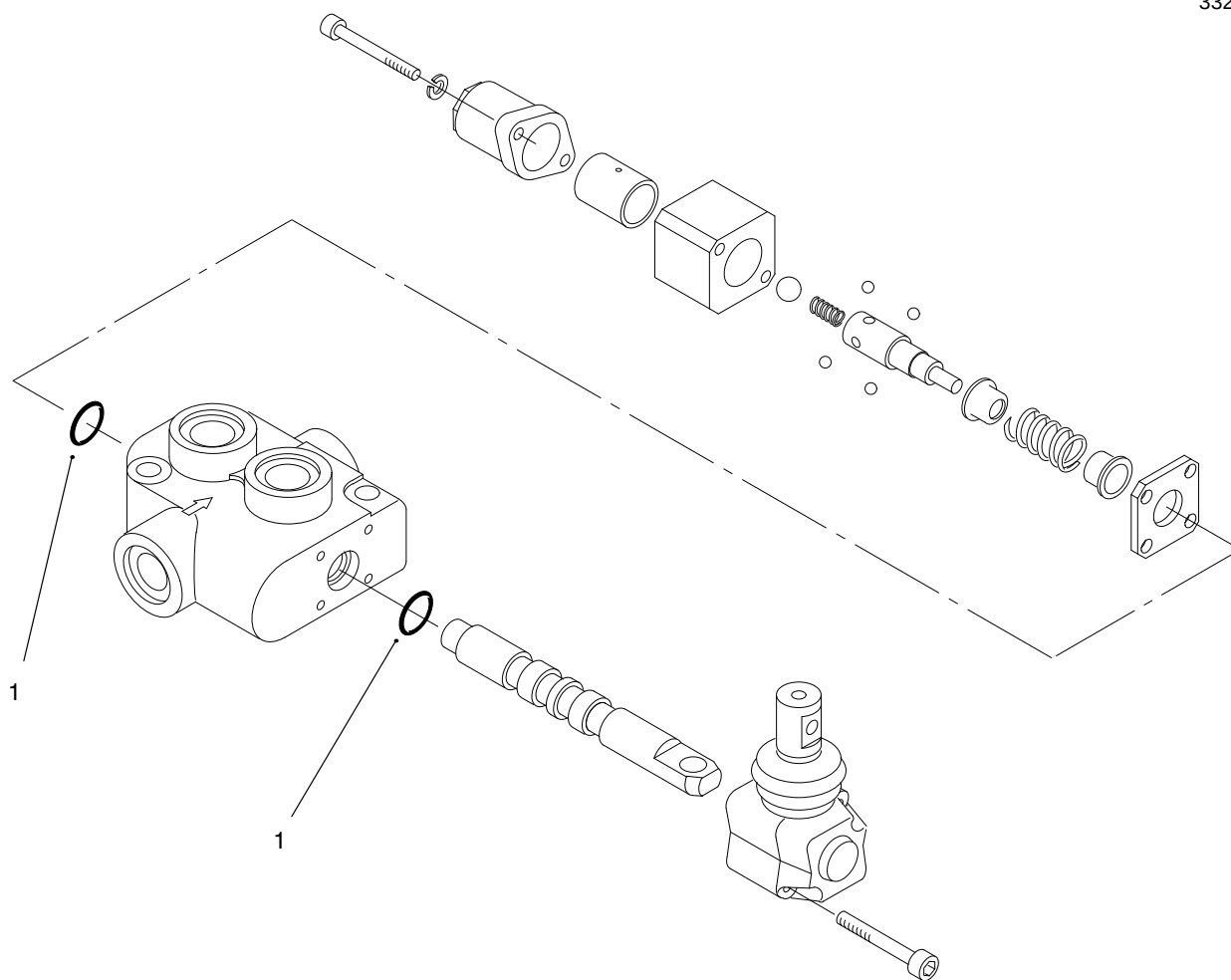
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
25	98-4731	1	Valve – Hyd, Selector				
*25:1	98-4721	1	Seal Kit				
26	98-4747	1	Hose-Hyd, Pressure Hi				
27	99-3008	1	Hose-Hyd, Pressure				
28	322-13	4	Screw-HH				
29	98-4730	1	Valve – Hyd, Aux				
*29:1	98-4721	1	Seal Kit				
30	98-4728	2	Hose – Hyd, Aux				
31	98-4724	1	Line – Hydraulic, Aux				
32	99-3021	1	Line – Hydraulic, Tank				
33	32128-44	2	Nut				
34	98-9079	1	Adapter – Tee, Adjustable				
34:1	237-30	1	O-Ring				
34:2	237-79	2	O-Ring				
35	340-105	2	90° Elbow				
35:1	237-30	1	O-Ring				
35:2	237-80	1	O-Ring				
36	3256-22	6	Washer-Flat				
37	3296-42	8	Nut-Lock Ni				
*99	3290-379	9	Plastic Ty-On				
*99	3296-27	1	Nut-Lock Ni				
*99	505-33	1	Saf-T-Lok				

* Not illustrated

Hydraulic Valve Assembly No. 99-3032

Ref. No.	Part No.	Qty.	Description

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c-2760

Hydraulic Valve Assembly No. 98-4731

Ref. No.	Part No.	Qty.	Description
†1 *	98-4721	2 1	O-Ring Seal Kit (Incl. Ref.#1)

* Not illustrated

† Not Serviced Separately

This diagram shows an exploded view of a hydraulic valve assembly. The main component is a rectangular valve body with multiple ports. Three callouts are present:

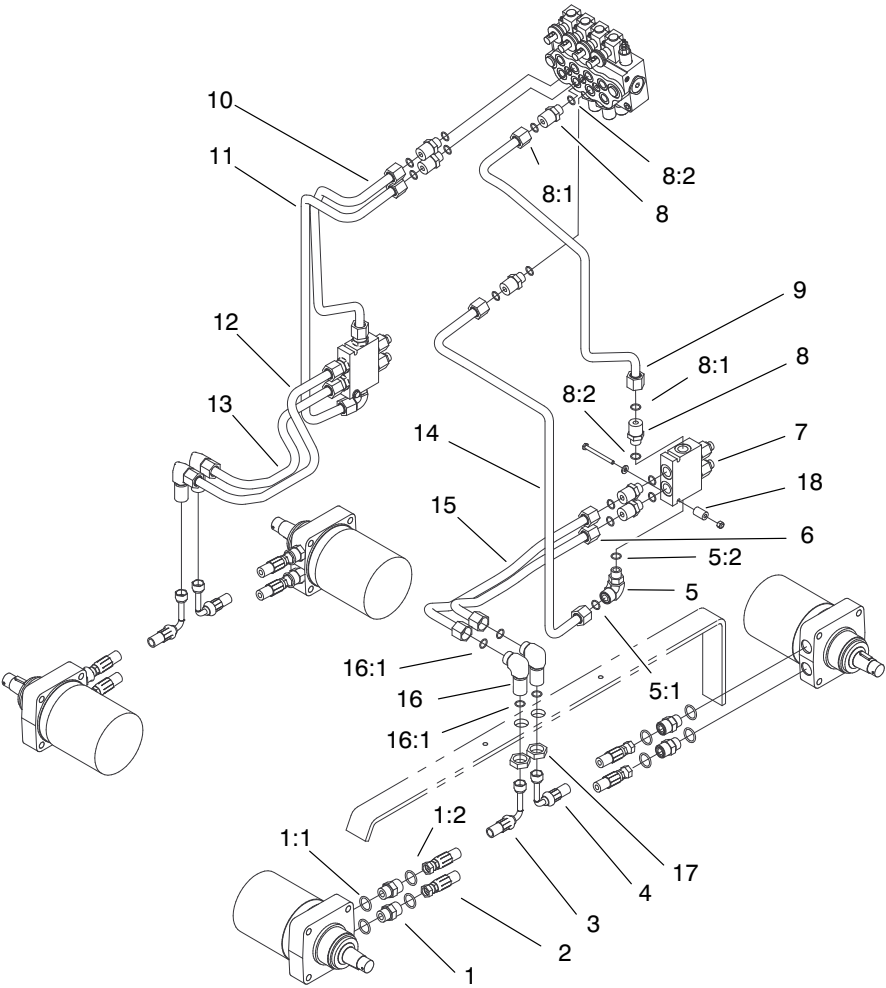
- Callout 1:** Points to a small O-ring located between the valve body and a long, multi-segmented actuator rod.
- Callout 2:** Points to two O-rings. One is located on the top of the valve body, and the other is on the side of the valve body where the actuator rod enters.
- Callout 3:** Points to a small O-ring located between the valve body and a smaller, shorter actuator rod.

 The diagram illustrates the assembly sequence and the placement of these seals to ensure proper function and prevent leaks.

Hydraulic Valve Assembly No. 98-4730

Ref. No.	Part No.	Qty.	Description

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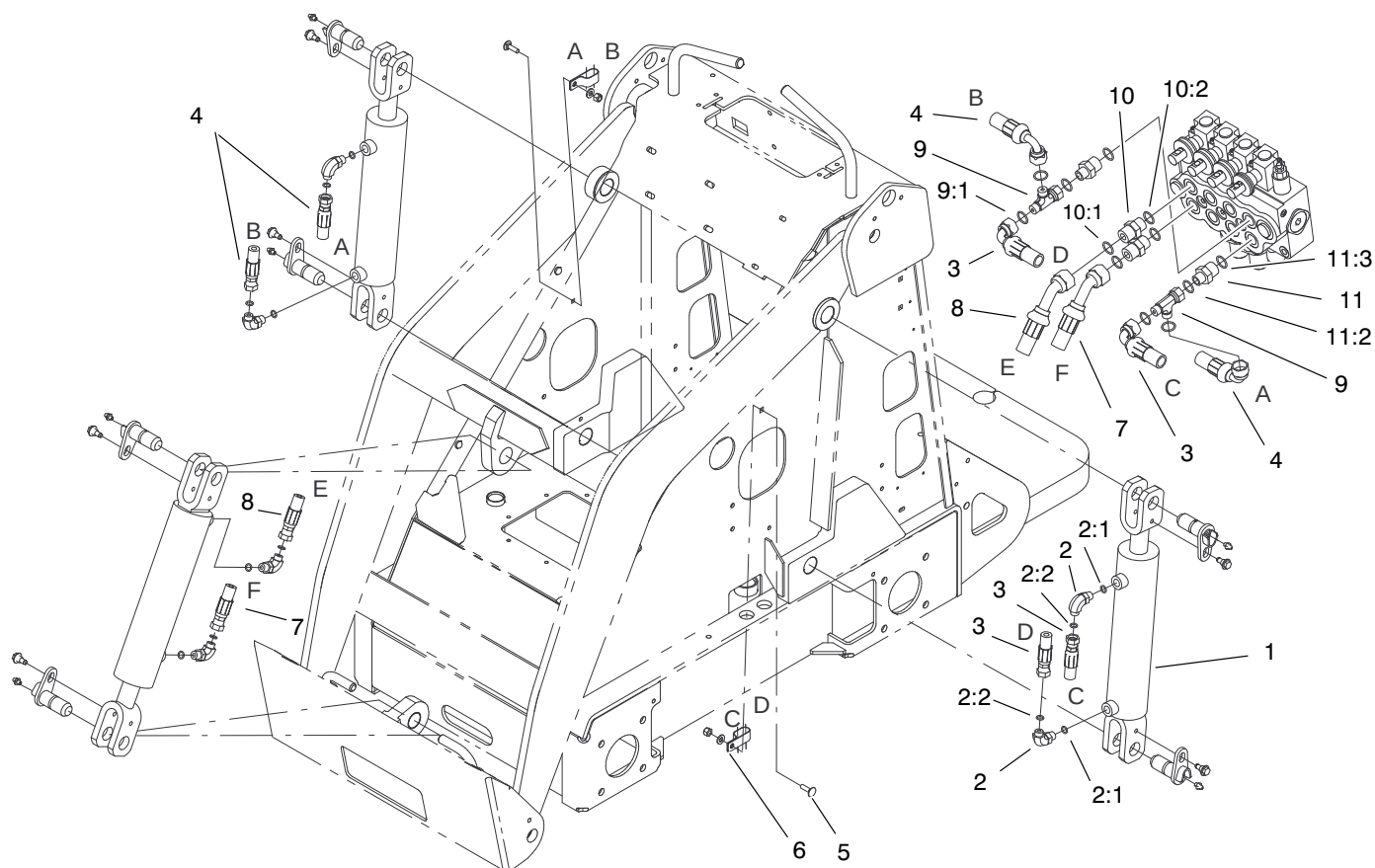
Sheet No.:8

Hydraulic Motors 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-Hyd, Motor
3	99-3010	2	Hose-Hyd, Motor Front
4	99-3011	2	Hose-Hyd, Motor Rear
5	340-153	2	Fitting - Hyd
5:1	237-79	1	O-Ring
5:2	237-151	1	O Ring
6	99-3022	1	Line-Hyd, Left A1
7	98-9050	2	Valve-Counterbalance
*7:1	98-2712	1	Seal Kit-Valve
8	340-155	10	Fitting - Hyd
8:1	237-79	1	O-Ring
8:2	237-151	1	O-Ring
9	99-3027	1	Line-Hyd, Left B
10	99-3024	1	Line-Hyd, Right B
11	99-3029	1	Line-Hyd, Left A1
12	99-3025	1	Line-Hyd, Right B1
13	99-3028	1	Line-Hyd, Right A1
14	99-3023	1	Line-Hyd, Left A
15	99-3026	1	Line-Hyd, Left B1
16	340-72	4	Elbow-Bulkhead Union, 90°.

Ref. No.	Part No.	Qty.	Description
16:1	237-65	2	O-Ring
17	340-74	4	Locknut-Bulkhead
18	99-3057	2	Spacer-Valve

* Not illustrated

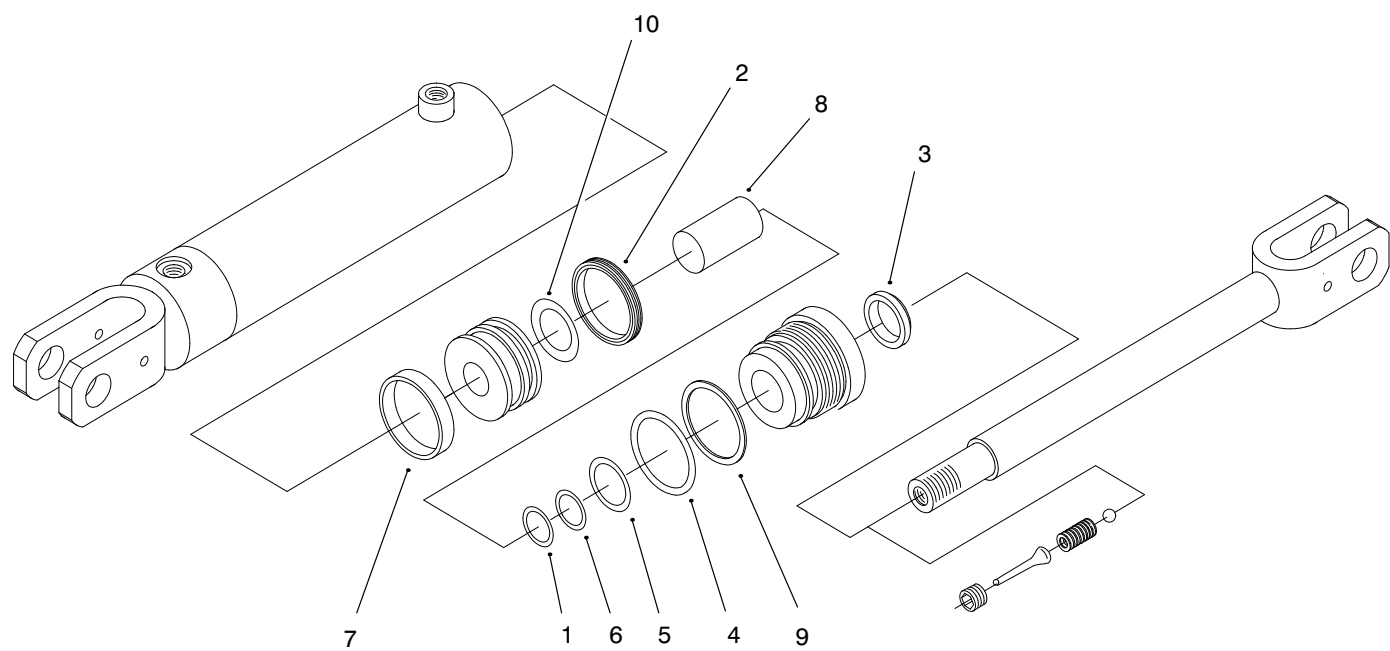


Sheet No.:9

Hydraulic Cylinders Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	99-5104	3	Cylinder – Hydraulic (Serial # Range 990001-990999)	11:2	237-78	1	O-Ring
*1:1	99-1352	1	Seal Kit-Hyd. Cylinder	11:3	237-35	1	O-Ring
1	99-3051	3	Cylinder – Hydraulic (Serial # Range 991000 & Up)	*99	3334-945	1	Cable Tie
*1:1	99-3065	1	Seal Kit-Hyd. Cylinder				
2	340-82	6	Adapter				
2:1	237-42	1	O-Ring				
2:2	237-35	1	O-Ring				
3	98-4748	2	Hose – Hyd, Pressure Lo				
4	98-4725	2	Hose – Hyd, Loader				
5	3230-2	2	Screw-CARR				
6	2412-137	2	Tube Clamp				
7	98-4726	1	Hose-Hyd, Center Long				
8	98-4727	1	Hose-Hyd, Center Straight				
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				

* Not illustrated



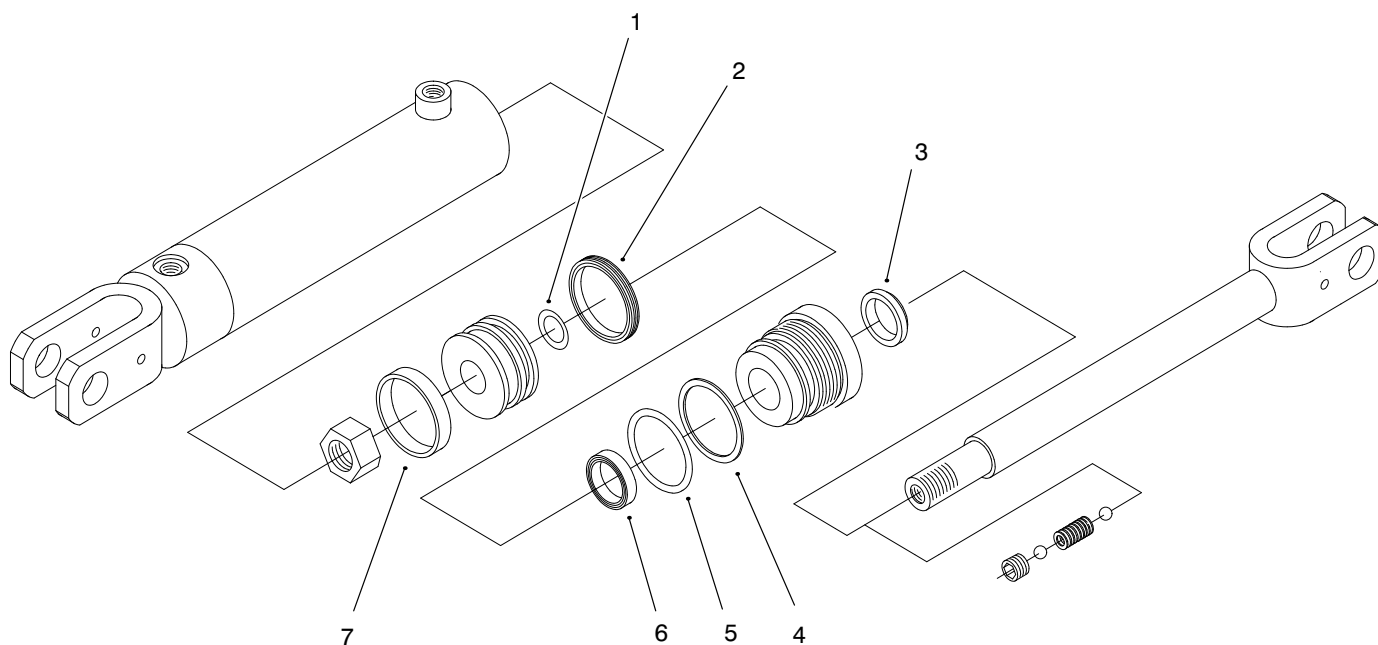
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Hydraulic Cylinder No. 99-3051

Ref. No.	Part No.	Qty.	Description
†1	99-3065	1	O-Ring
†2		1	PSP Seal
†3		1	Rod-Wiper
†4		1	Backup Washer
†5		1	O-Ring
†6		1	Polypak
†7		1	Wear Ring
†8		1	Wear Ring
†9		1	O-Ring
†10		1	Washer-Backup
*		1	Seal Kit (Incl. Ref. #1-7)

Ref. No.	Part No.	Qty.	Description

* Not illustrated
† Not Serviced Seperately



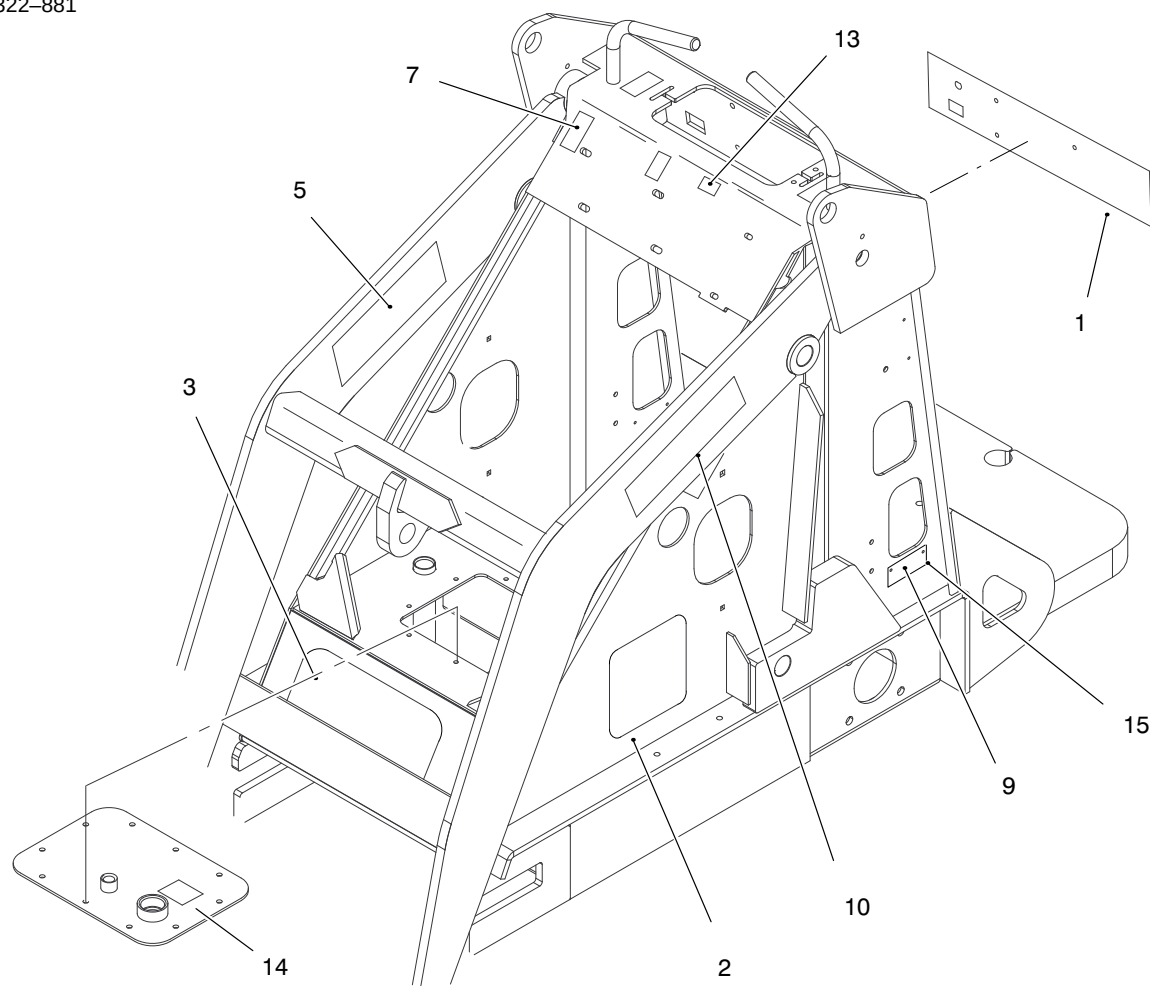
c-2763

Hydraulic Cylinder No. 99-5104

Ref. No.	Part No.	Qty.	Description
†1	99-1352	1	O-Ring
†2		1	PSP Seal
†3		1	Rod-Wiper
†4		1	Backup Washer
†5		1	O-Ring
†6		1	Polypak
†7		1	Wear Ring
*		1	Seal Kit (Inlc. Ref. #1-7)

* Not illustrated

† Not Serviced Seperately

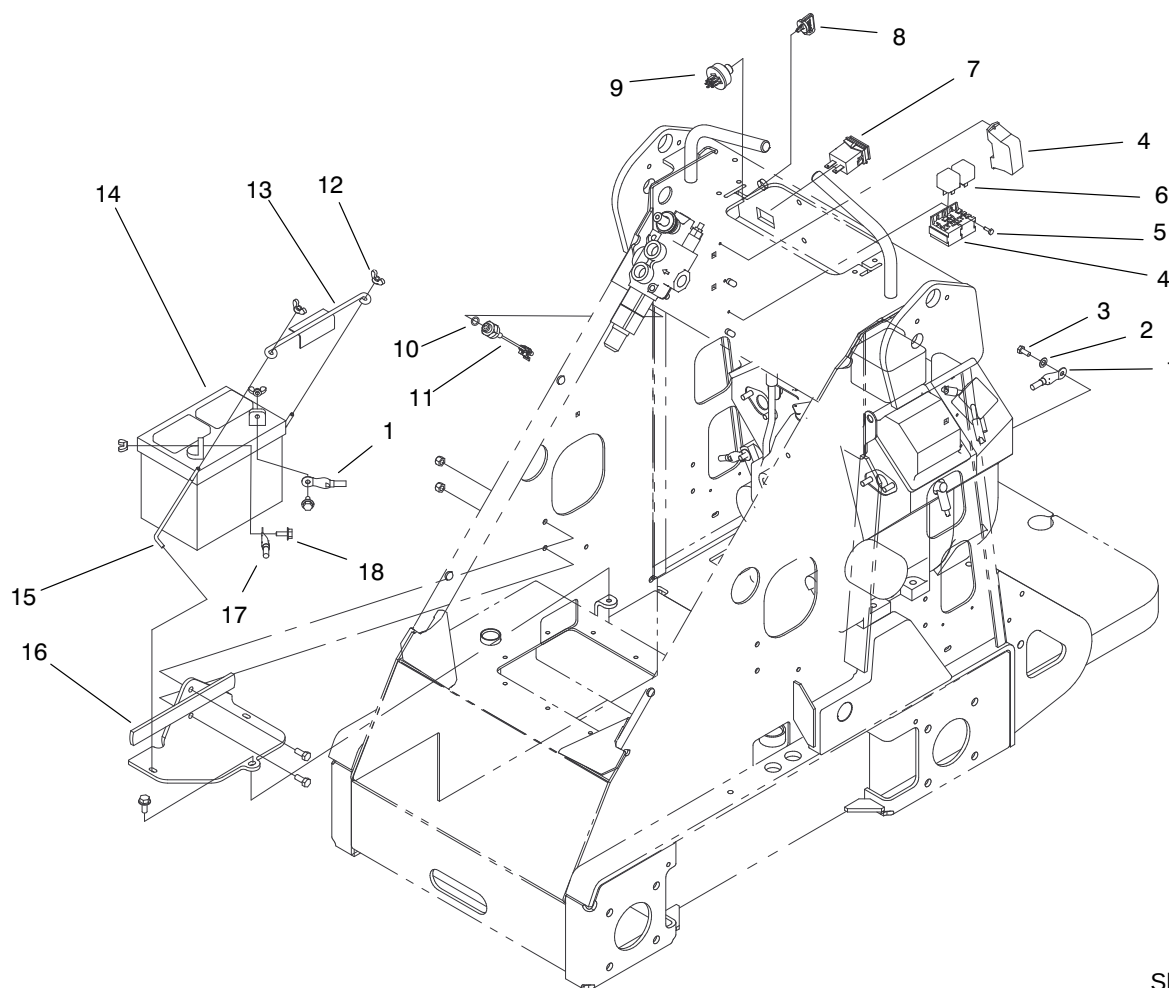


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Sheet No.:10

Decal Assembly

Ref. No.	Part No.	Qty.	Description
1	99-3157	1	Decal-Control Panel
2	98-4680	2	Decal - Side
3	98-4679	1	Decal - Front
5	98-9051	1	Decal - Danger
7	98-4677	1	Decal - Auxiliary Power
10	99-3166	2	Decal - Dingo 322
13	98-8220	1	Decal - Speed Limiter
14	85-4730	1	Decal - Hyd Oil Only

Ref. No.	Part No.	Qty.	Description



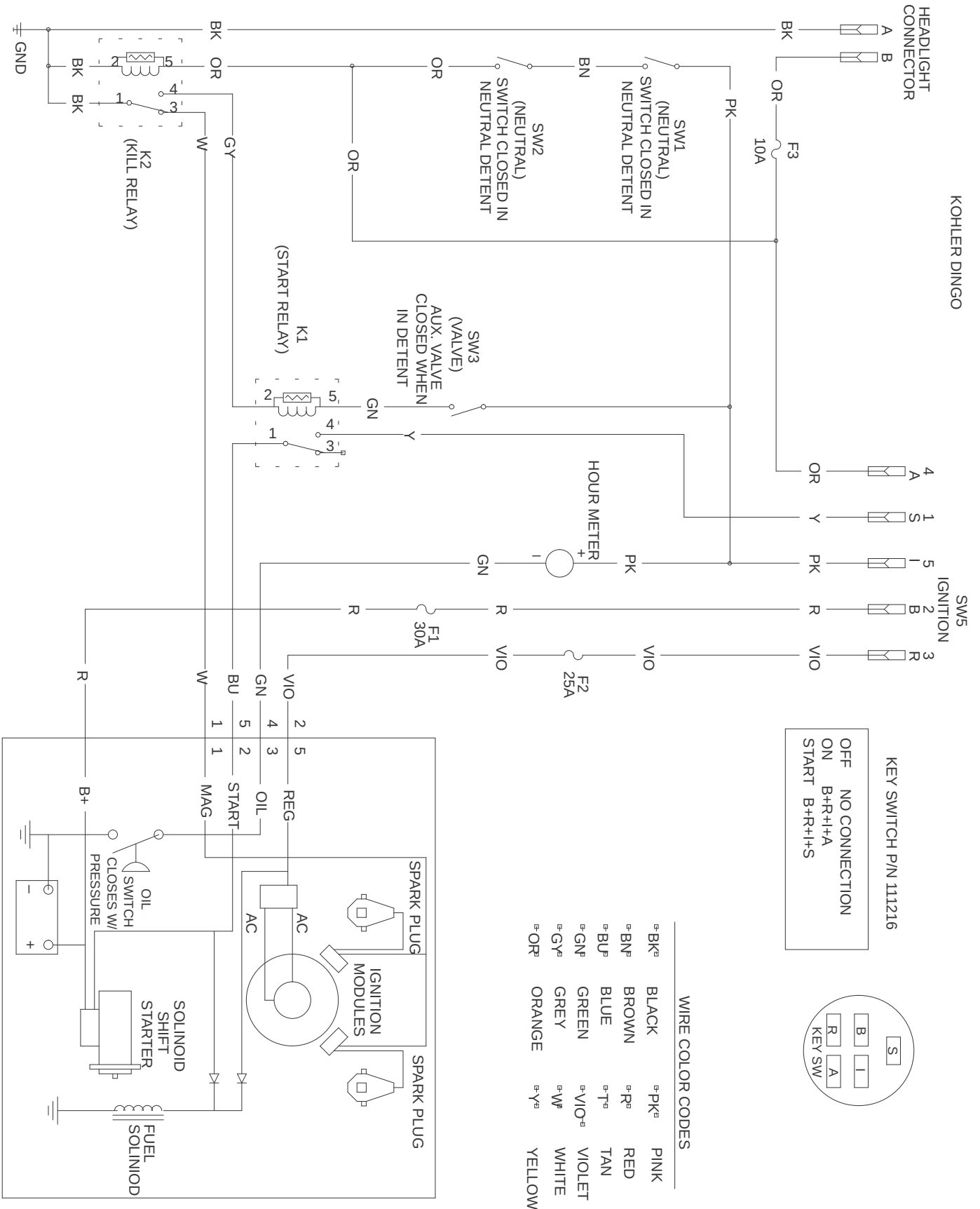
Sheet No.:11

Electrical Assembly

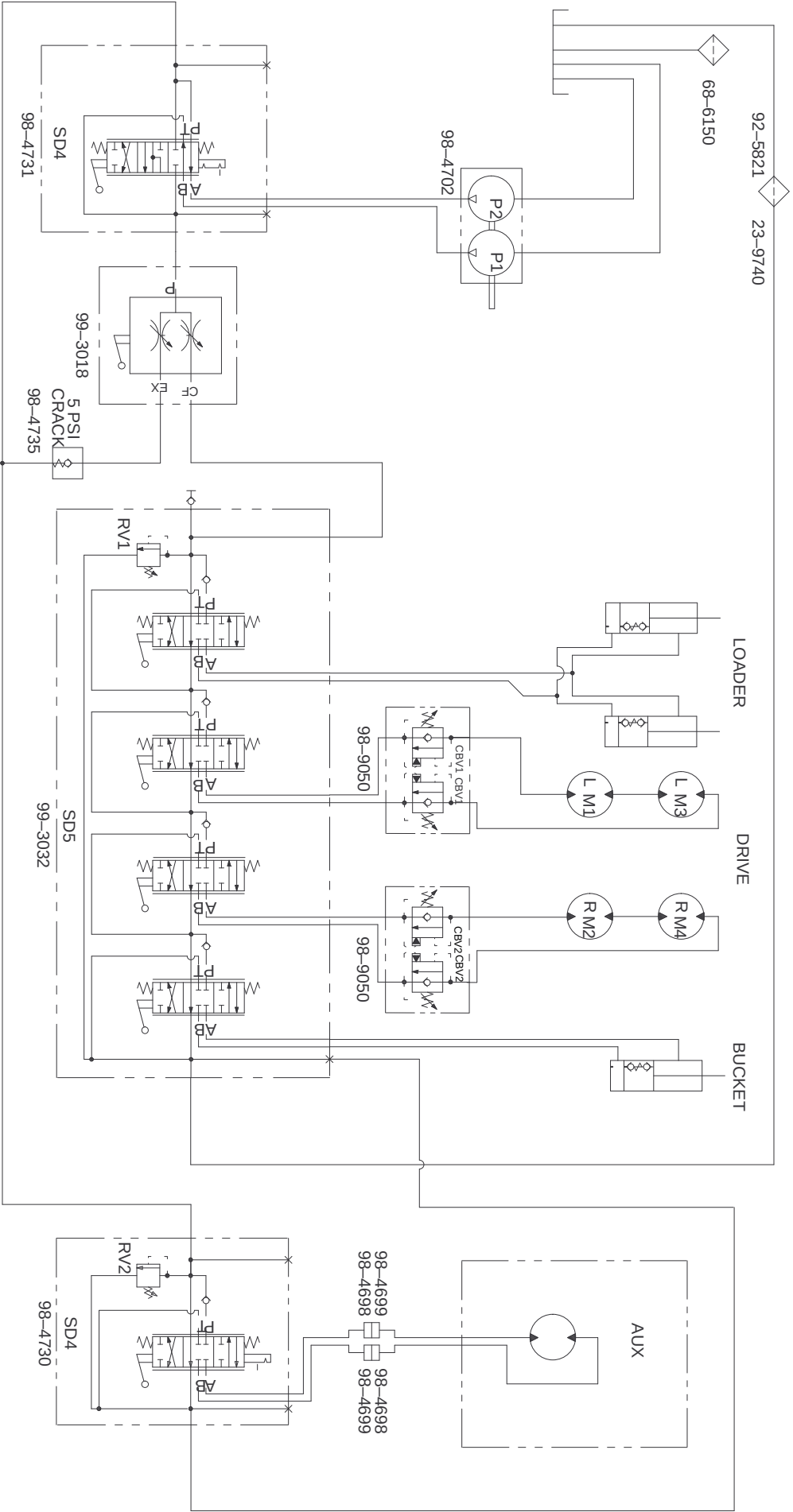
Ref. No.	Part No.	Qty.	Description
1	111075	1	Wire Assy
2	3255-8	1	Washer-Lock/Ext
3	33114-020	3	Screw-HH
4	99-3161	1	Harness - Electrical
5	32144-87	3	Screw-Thread Forming
6	98-7249	2	Relay-Spdt
7	94-4208	1	Hourmeter
8	63-8360	2	Key-Ignition w/Shield
9	111216	1	Assy Switch Ignition
10	237-42	3	O-Ring
11	72-4310	3	Switch
12	32103-22	4	Nut-Wing
13	113010	1	Battery Hold Down
14	94-1867	1	Battery
15	99-5027	2	Retainer - Battery
16	99-3163	1	Battery Mount
17	100-1712	1	Cable-Positive
18	3234-4	2	Screw-Flange
*99	32144-18	2	Screw-HH

* Not illustrated

Electrical Schematic

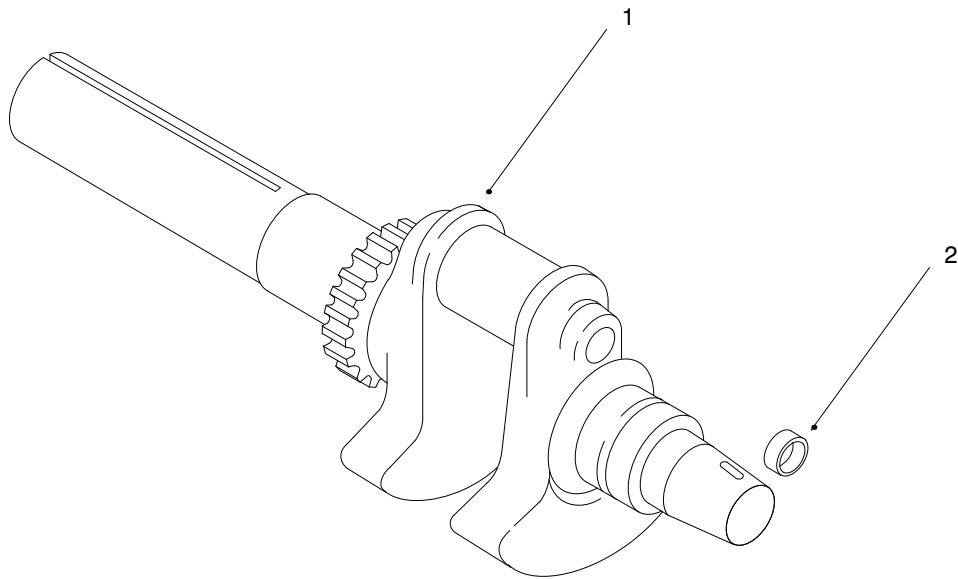


Hydraulic Schematic



DISPLACEMENT AND PRESSURE CHART				
COMPONENT	DISPLACEMENT	PRESSURE		FLOWRATE*
P1	CU IN/REV	CU CM/REV	PSI	BARS
P2	0.55 CU IN	9 CC		
M1/M3	0.24 CU IN	4 CC		
M2/M4	29.1 CU IN	476 CC		
RV1				
RV2				
CBV1				
CBV2				

* FLOWRATE CALCULATED AT 3600 RPM AND 98% EFFICIENCY.

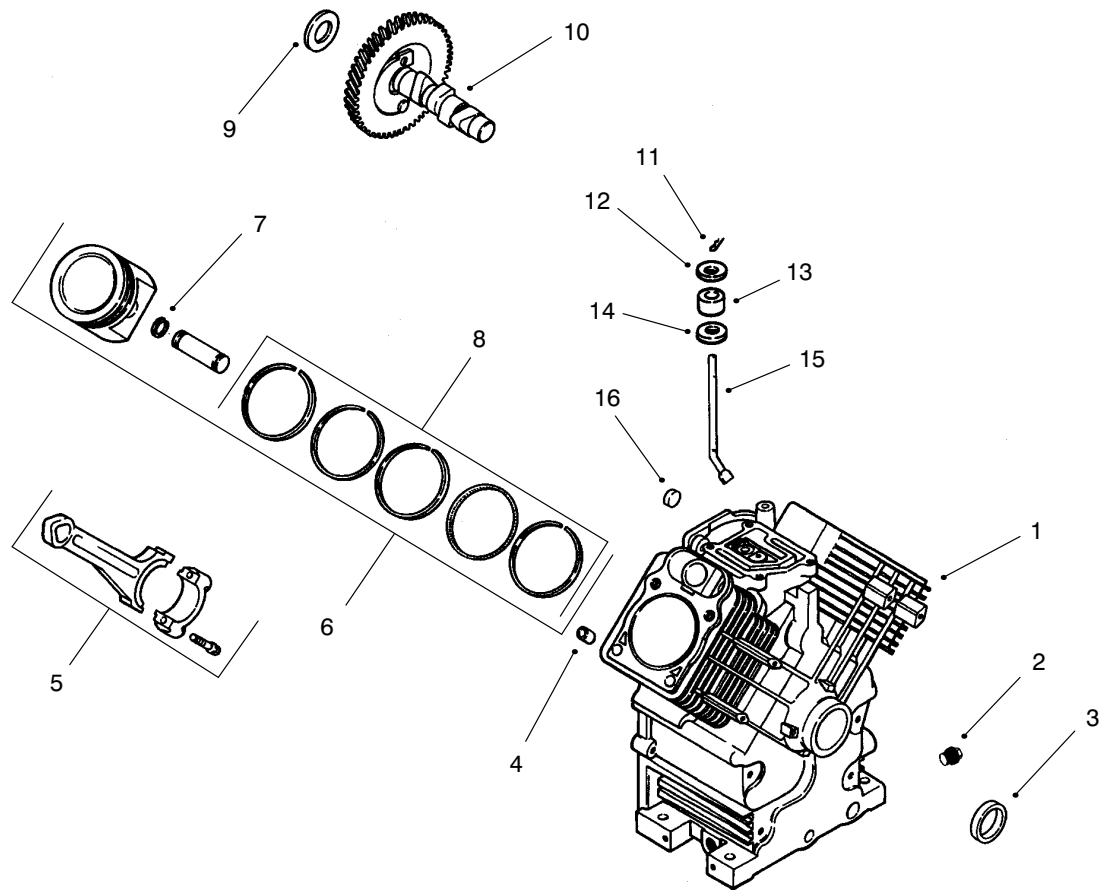


GROUP 1 – CRANKSHAFT

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

Ref. No.	Part No.	Description	No. Used

Obtain Parts From Kohler

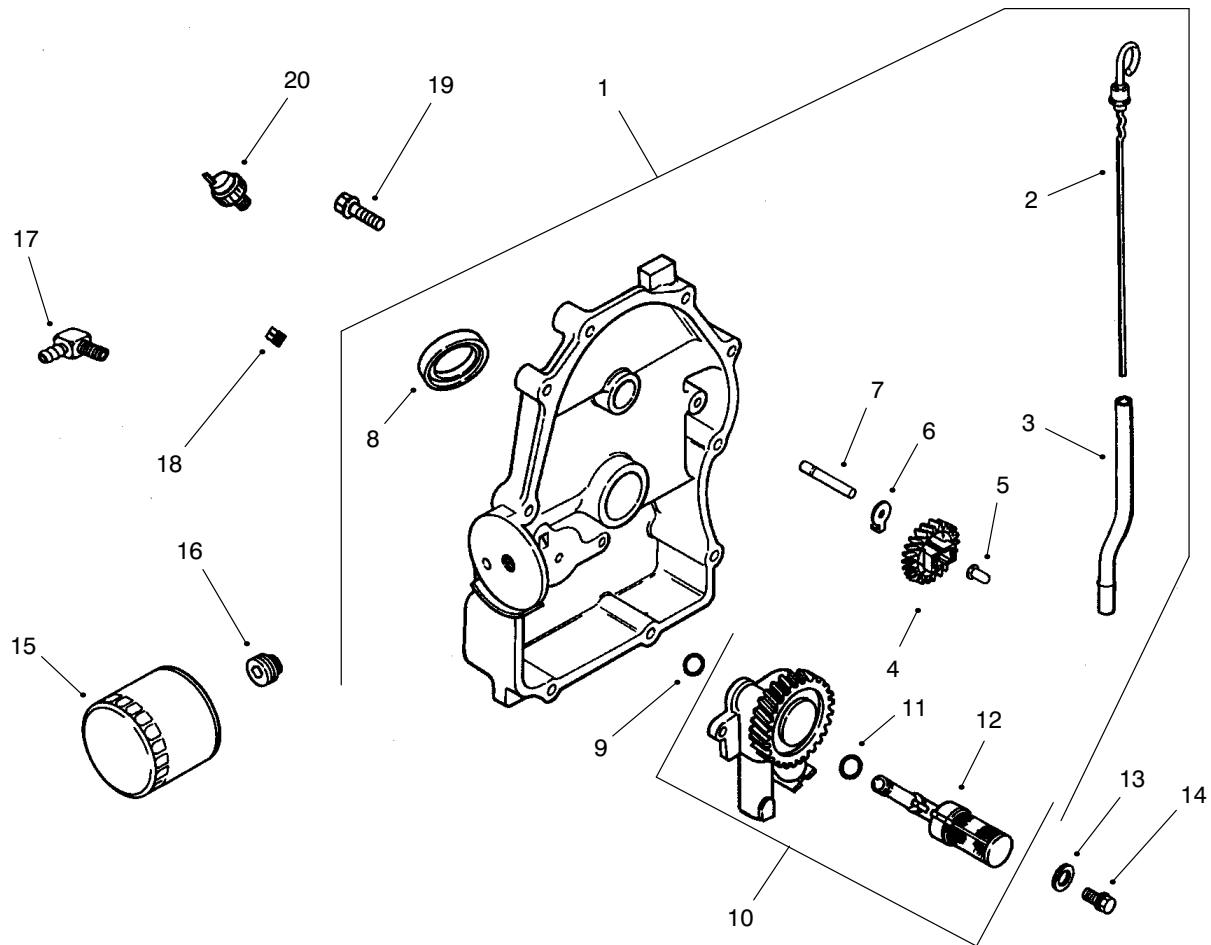


GROUP 2 – CRANKCASE

Ref. No.	Part No.	Description	No. Used
1		Cylinder Block (Use Miniblock 24 782 01)	1
2	52 139 02	Plug, drain	2
3	24 032 01	Seal, oil front	1
4	12 380 17	Pin, dowel locating	6
5	24 067 13	Connecting Rod (Std.)	2
	24 067 14	Connecting Rod (.25)	2
6	24 874 01	Piston w/Ring Set (Std.)	2
	24 874 02	Piston w/Ring Set (.25)	2
	24 874 03	Piston w/Ring Set (.50)	2
7	24 018 01	Retainer, piston pin	4
8	24 108 01	Ring Set (Std.)	2
	24 108 02	Ring Set (.25)	2
	24 108 03	Ring Set (.50)	2

Ref. No.	Part No.	Description	No. Used
9	12 422 09	Shim, camshaft – red	A/R
	12 422 13	Shim, camshaft – black	A/R
	12 422 07	Shim, camshaft – white	A/R
	12 422 08	Shim, camshaft – blue	A/R
	12 422 10	Shim, camshaft – yellow	A/R
	12 422 11	Shim, camshaft – green	A/R
	12 422 12	Shim, camshaft – gray	A/R
10	24 012 05	Camshaft	1
11	12 380 04	Pin, hitch	1
12	M-0631005	Washer, flat	1
13	12 032 01	Seal, governor cross shaft	1
14	X-25-102	Washer, plain	1
15	24 144 01	Shaft, governor cross	1
16	52 139 09	Plug, cup	1

Obtain Parts From Kohler

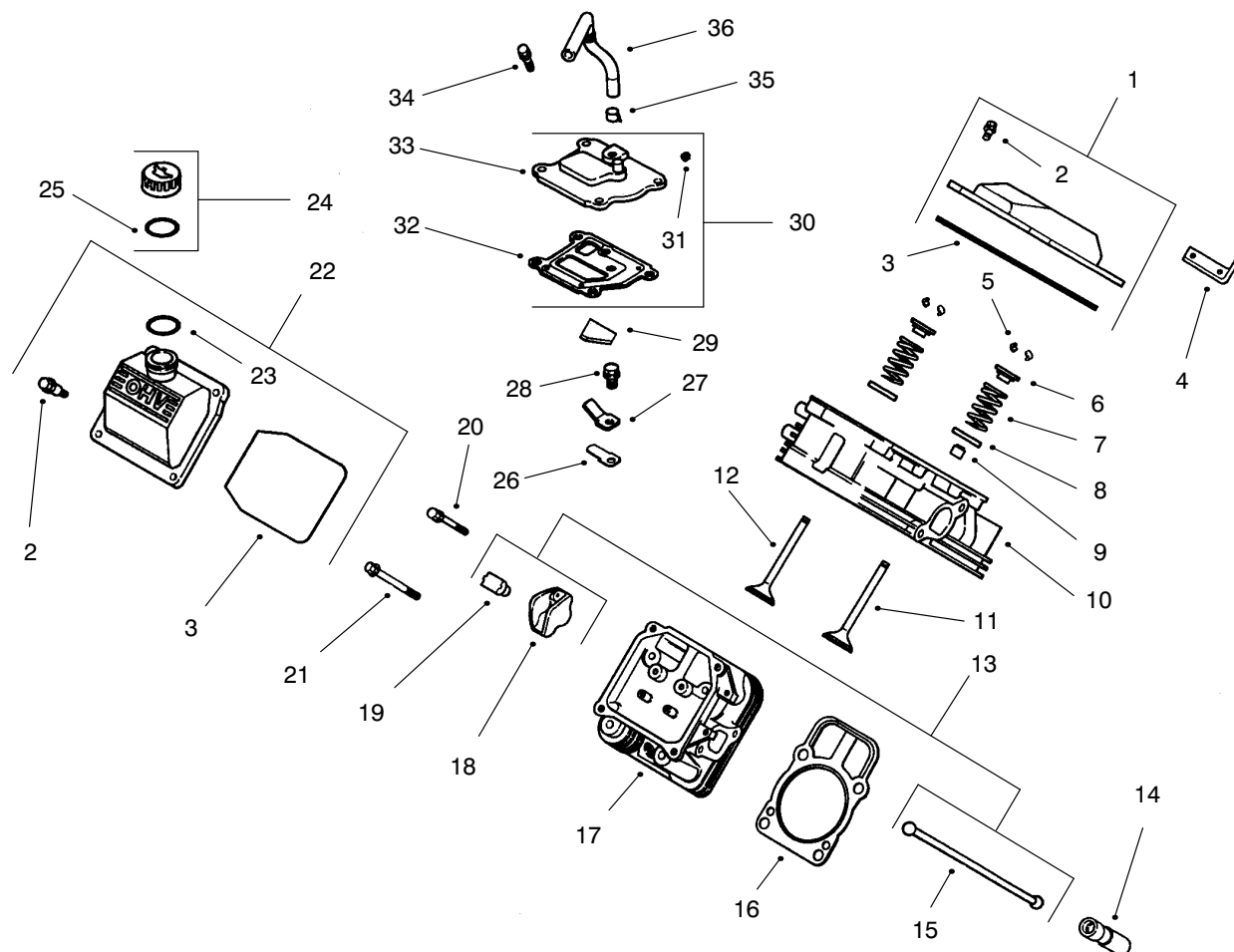


GROUP 3 – OIL PAN/LUBRICATION

Ref. No.	Part No.	Description	No. Used
1	24 009 82	Plate, closure assembly (Includes 2-12)	1
2	24 038 06	Dipstick	1
3	24 123 08	Tube, dipstick	1
4	24 043 12	Kit, governor gear (Includes 5)	1
5	12 380 01	Pin, governor regulating	1
6	52 448 02	Tab, locking	1
7	12 144 02	Shaft, governor gear	1
8	52 032 08	Seal, oil (PTO end)	1
9	24 153 08	O-Ring	1
10	24 393 10	Oil pump assembly (Includes 11,12)	1

Ref. No.	Part No.	Description	No. Used
11	24 153 01	O-Ring, oil pick-up	1
12	24 381 04	Pick-up, oil	1
13	M-0631005	Washer, plain 6 mm	2
14	M-0645025	Screw, hex. flange	2
15	52 050 02	Filter, oil	1
16	24 136 01	Nipple, oil filter	1
17	25 155 02	Connector	1
18	X-75-23	Plug, pipe	1
19	24 086 16	Screw, hex. flange	10
20	24 099 03	Switch, pressure	1

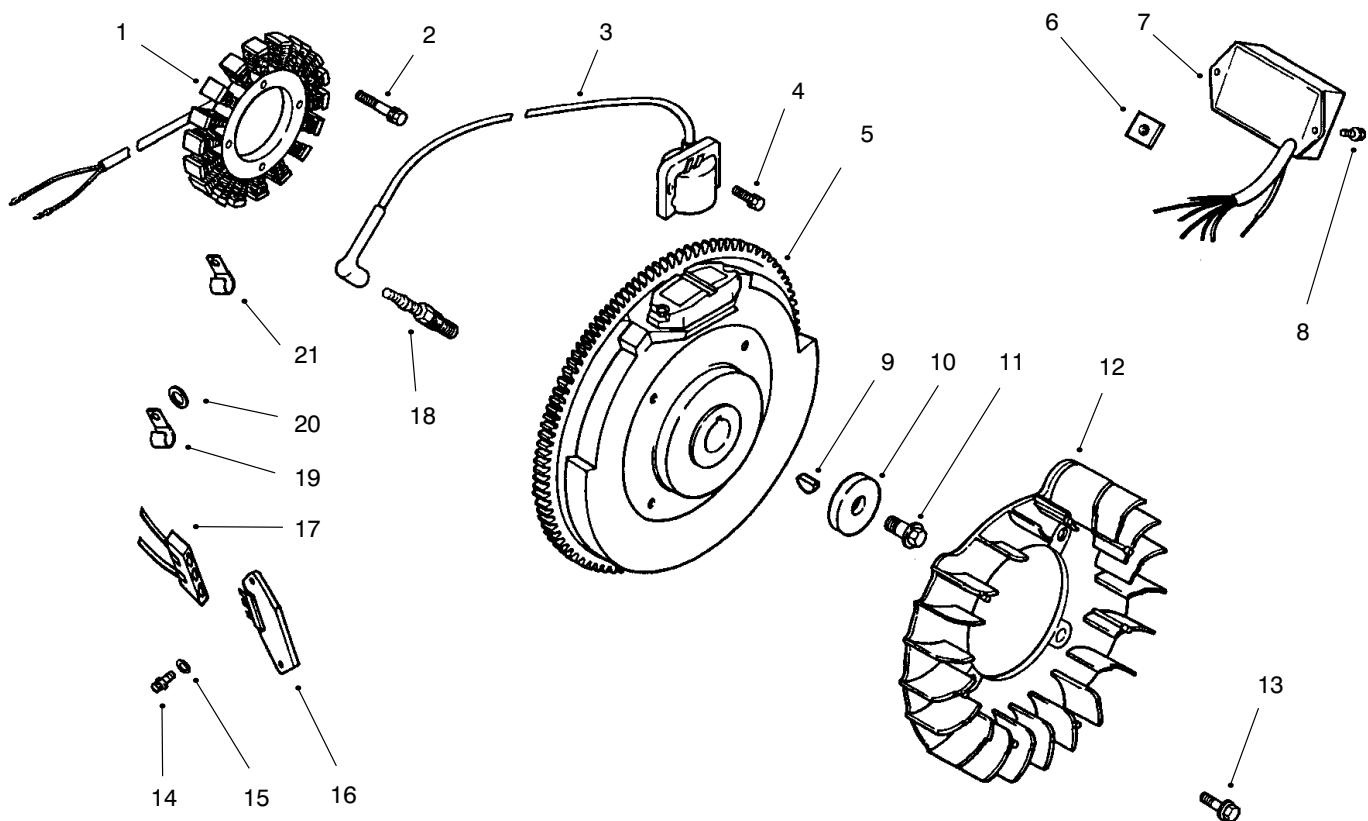
Obtain Parts From Kohler



GROUP 4 – HEAD/VALVE/BREATHER

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	24 755 74	Kit, valve cover – plain (Includes 2–3)	1	18	25 186 01	Arm, rocker	4
2	24 086 32	Screw, shoulder	4	19	24 599 01	Pivot, rocker arm	4
3	24 153 16	O–Ring, valve cover	1	20	M–0640034	Screw, hex. flange	4
4	24 445 01	Strap, lifting	1	21	12 086 16	Screw, hex. flange	8
5	12 755 03	Kit, retainer	4	22	24 755 75	Kit, valve cover – oil fill (Includes 2,3,23)	1
6	12 173 01	Cap, valve spring	4	23	24 153 09	O–Ring	1
7	24 089 02	Spring, valve	4	24	24 755 46	Kit, oil fill cap (Includes 25)	1
8	235011	Retainer, spring	4	25	12 153 03	O–Ring, oil fill cap	1
9	24 032 05	Seal, valve stem	2	26	24 402 03	Reed, breather	1
10	24 318 09	Head assembly, #1 cylinder	1	27	12 018 01	Retainer, breather reed	1
11	24 017 01	Valve, intake (Std.)	2	28	M–0545010	Screw, hex. flange	1
	24 017 02	Valve, intake (.25)	2	29	24 050 01	Filter, breather	1
12	24 016 01	Valve, exhaust (Std.)	2	30	24 033 01	Kit, breather (Includes 31–33)	1
	24 016 02	Valve, exhaust (.25)	2	31	X–75–23	Plug, allen head pipe	1
13	24 755 66	Kit, valve train (Includes 15,18,19)	1	32	24 041 23	Gasket, breather	1
14	12 351 02	Lifter, valve	4	33	24 096 02	Cover, breather	1
15	24 411 05	Rod, push	4	34	M–0645020	Screw, hex. flange	4
16	24 041 08	Gasket, cylinder head	2	35	X–426–9	Clamp, breather	1
17	24 318 10	Head assembly, #2 cylinder	1	36	24 326 06	Hose, breather	1

Obtain Parts From Kohler

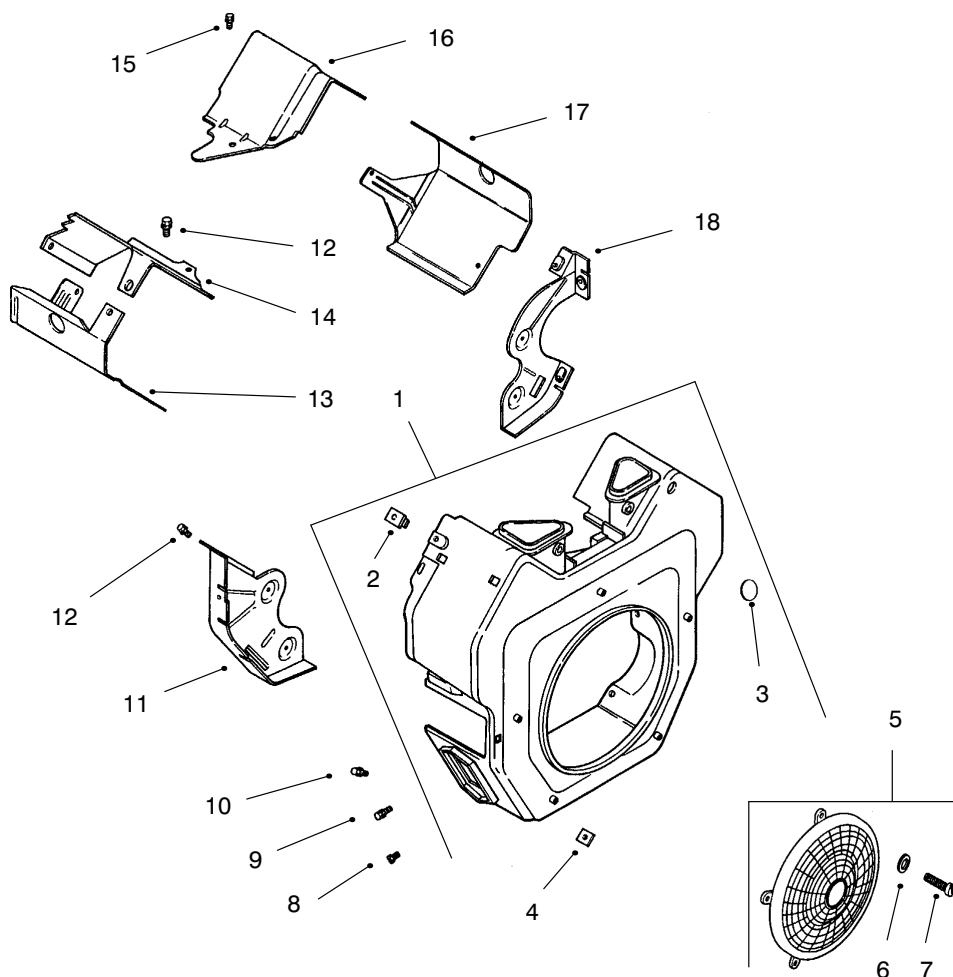


GROUP 5 – IGNITION/ELECTRICAL

Ref. No.	Part No.	Description	No. Used
1	54 755 09	Kit, 15 amp stator (Incl. 24 126 71 bracket)	1
2	M-0548025	Screw, hex. cap	2
3	24 584 11	Module, ignition	2
4	M-0561025	Screw, hex. socket hd	4
5	24 025 02	Flywheel	1
6	24 100 02	Nut, plastic	2
7	24 584 09	Module, speed advance	1
8	24 086 41	Screw	2
9	X-42-15	Key	1
10	12 468 03	Washer, plain	1
11	12 086 14	Screw, hex. flange	1
12	24 157 03	Fan	1
13	25 086 47	Bolt, shoulder	4
14	24 086 18	Screw, phillips hd.	2
15	X-25-92	Washer, plain	2

Ref. No.	Part No.	Description	No. Used
16	25 403 03	Rectifier-regulator	1
17	236602	Connector	1
18	12 132 02	Spark Plug	2
19	47 154 01	Clip, cable	1
20	X-25-63	Washer, plain	1
21	48 154 02	Clip, cable	1
		Not Illustrated	
	25 518 28	Lead, black, (4" – 18 gauge – insulated grip barrel eyelet terminals)	1
	24 176 42	Harness, wiring	1
	24 126 71	Bracket, stator wire	1
	X-22-11	Washer, lock	1
	X-25-63	Washer, plain	1

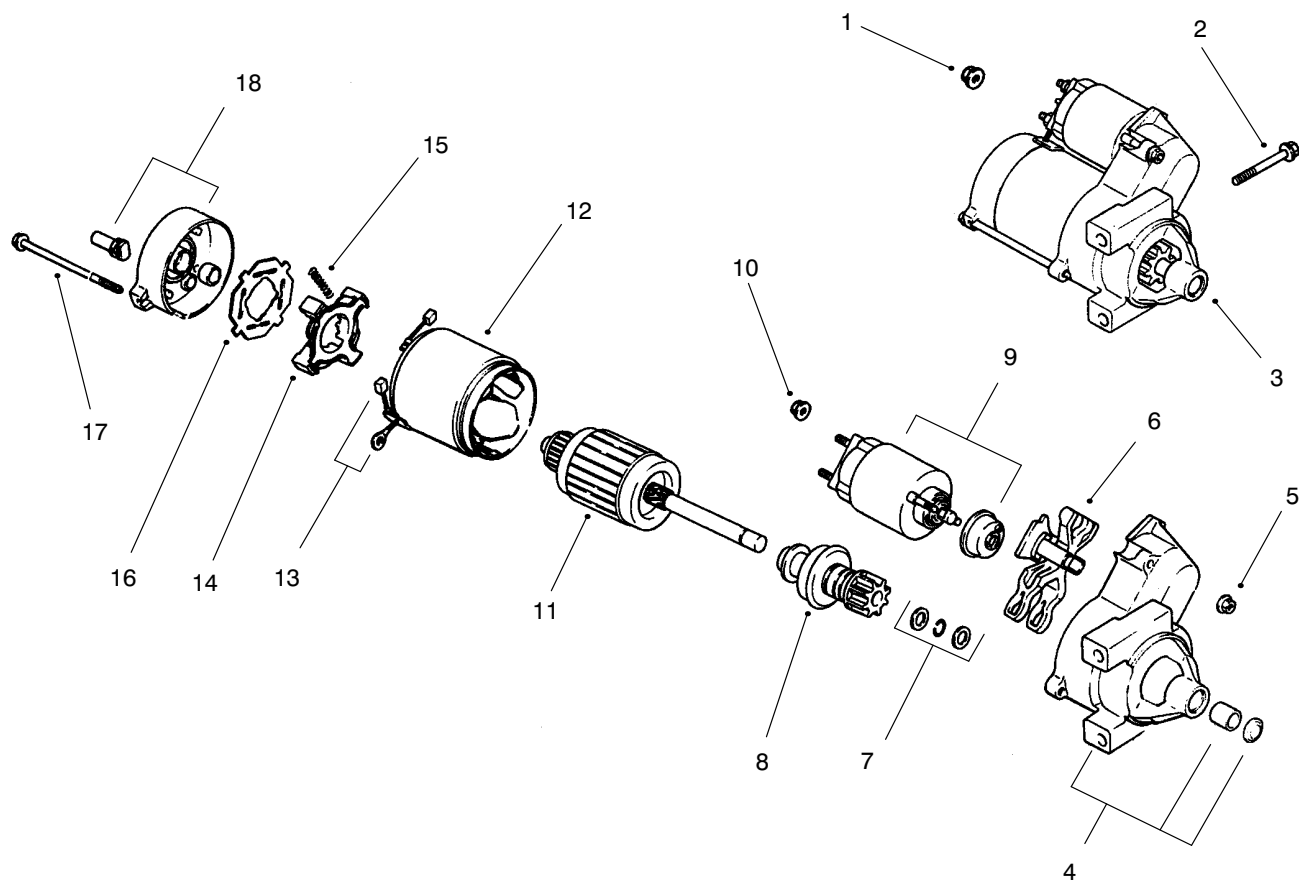
Obtain Parts From Kohler



GROUP 6 – BLOWER HOUSING & BAFFLES

Ref. No.	Part No.	Description	No. Used	Ref. No.	Part No.	Description	No. Used
1	24 027 40	Housing, blower (Includes 2-5)	1	11	24 146 02	Plate, backing – #2 side	1
2	24 100 02	Nut, plastic	2	12	M-0645016	Screw, hex. flange	6
3	25 139 16	Button plug	1	13	24 063 20	Baffle, cyl. barrel – #2 side	1
4	24 100 01	Nut, plastic	2	14	24 063 17	Baffle, valley – #2 side	1
5	24 755 81	Kit, Fixed Gurard (Includes 6&7)	1	15	M-0545010	Screw, hex. flange	2
6	24 468 10	Washer, plain	5	16	24 063 24	Baffle, valley – #1 side	1
7	24 086 35	Screw, panhead	5	17	24 063 08	Baffle, cyl. barrel – #1 side	1
8	M-0551016	Screw, hex. flange	1	18	24 146 08	Plate, backing – #1 side	1
9	M-0545016	Screw, hex. flange	5			Not Illustrated	
10	M-0545020	Screw, hex. flange	2		24 113 62	Decal, HP	1
					25 113 21	Decal, Pro	1

Obtain Parts From Kohler

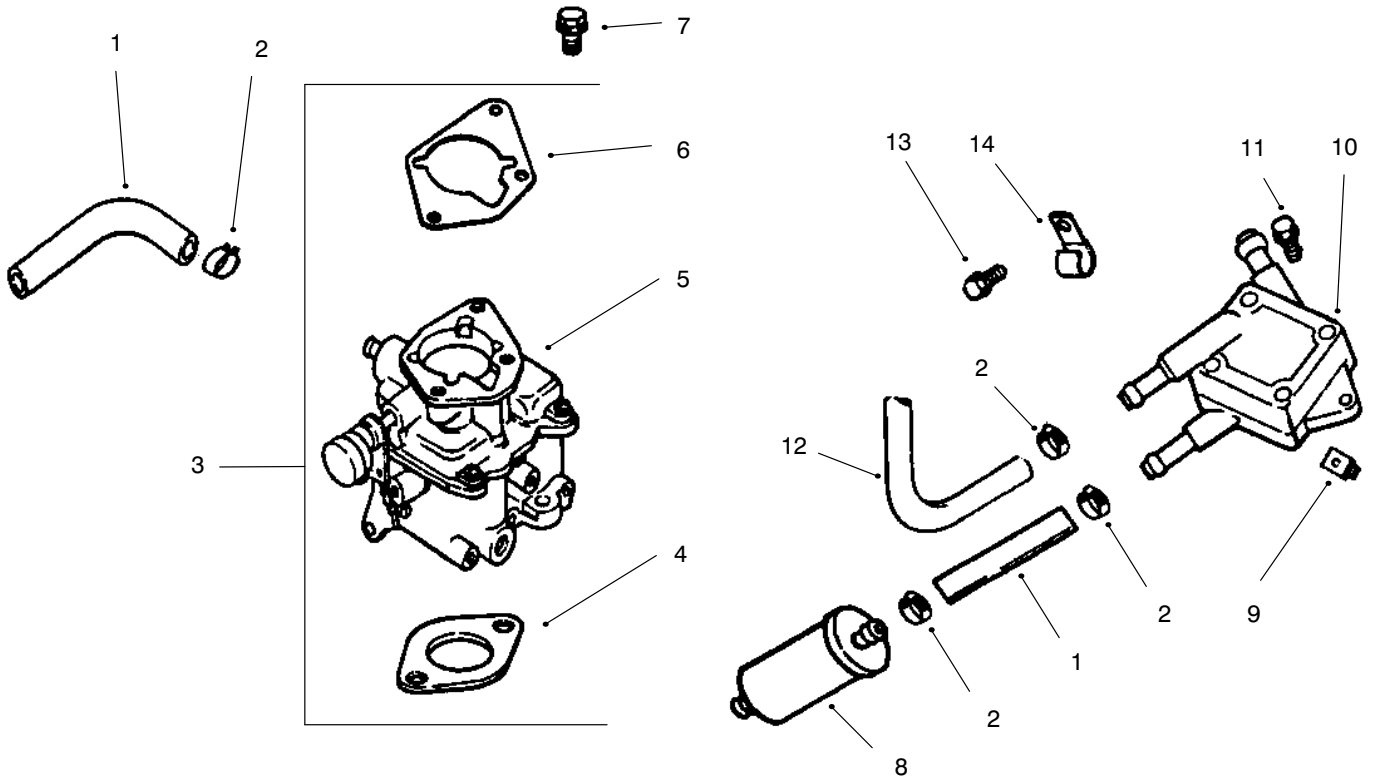


GROUP 7 – STARTING SYSTEM

Ref. No.	Part No.	Description	No. Used
1	M-0841080	Nut, hex flange	1
2	M-0839080	Screw, hex. flange	2
3	24 098 01	Starter, solenoid shift assembly (Incl. 4-18)	1
4	24 081 04	Drive, end cap	1
5	52 100 10	Nut, starter	2
6	12 090 10	Lever, starter drive	1
7	24 755 84	Kit, starter repair	1
8	12 239 01	Drive, pinion	1
9	52 435 02	Solenoid	1

Ref. No.	Part No.	Description	No. Used
10	52 100 09	Nut, starter	1
11	12 170 04	Armature, starter	1
12	12 471 01	Frame	1
13	52 221 01	Kit, brush & spring (Includes 15)	1
14	52 323 03	Holder, brush	1
15	52 089 09	Spring, brush	4
16	52 168 01	Insulator	1
17	52 211 05	Bolt, thru	2
18	24 301 01	Commutator, end cap	1

Obtain Parts From Kohler

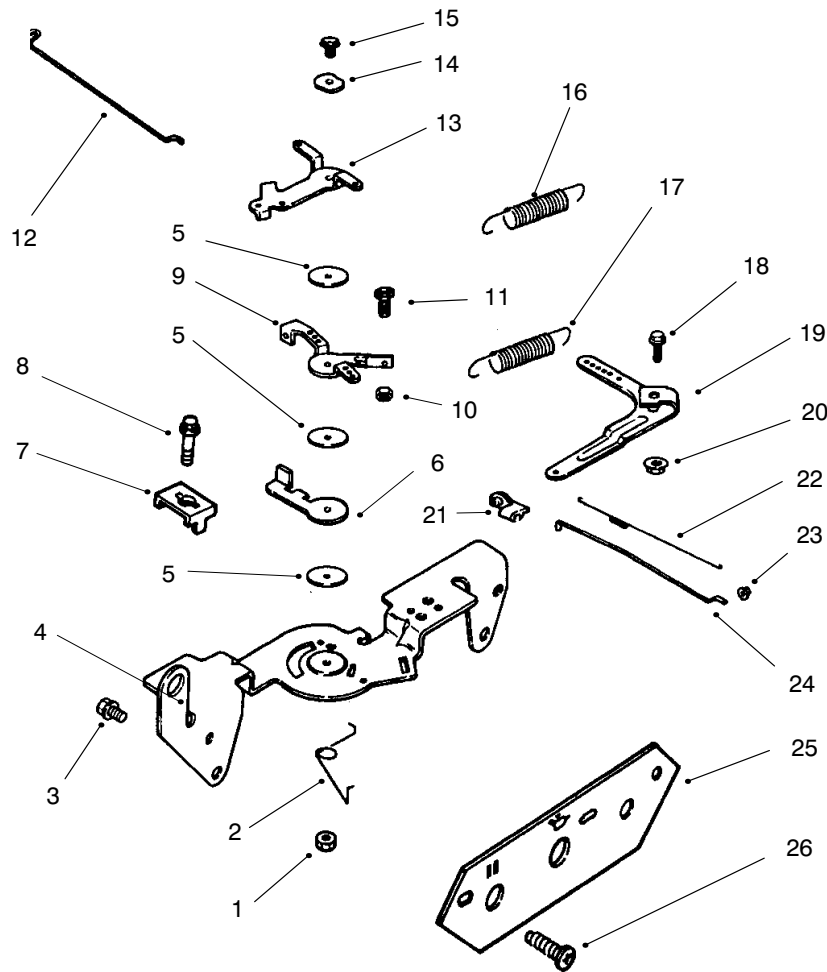


GROUP 8 – FUEL SYSTEM

Ref. No.	Part No.	Description	No. Used
1	25 353 10	Line, fuel – 9"	2
2	X-426-9	Clamp, hose	6
3	24 853 43	Kit, carburetor w/gasket (Includes 4-6)	1
4	24 041 06	Gasket, air cleaner base	1
5	24 053 43	Carburetor assembly (For information only not available separately)	1
6	24 041 17	Gasket, carburetor	1

Ref. No.	Part No.	Description	No. Used
7	M-0651030	Screw, hex. flange	2
8	24 050 02	Filter, fuel	1
9	24 100 01	Nut, plastic	2
10	24 393 04	Pump, fuel – pulse	1
11	24 086 12	Screw, hex. cap	2
12	24 353 04	Line, fuel 17"	1
13	M-0650012	Screw, hex. flange	1
14	47 154 01	Clip, cable	1

Obtain Parts From Kohler

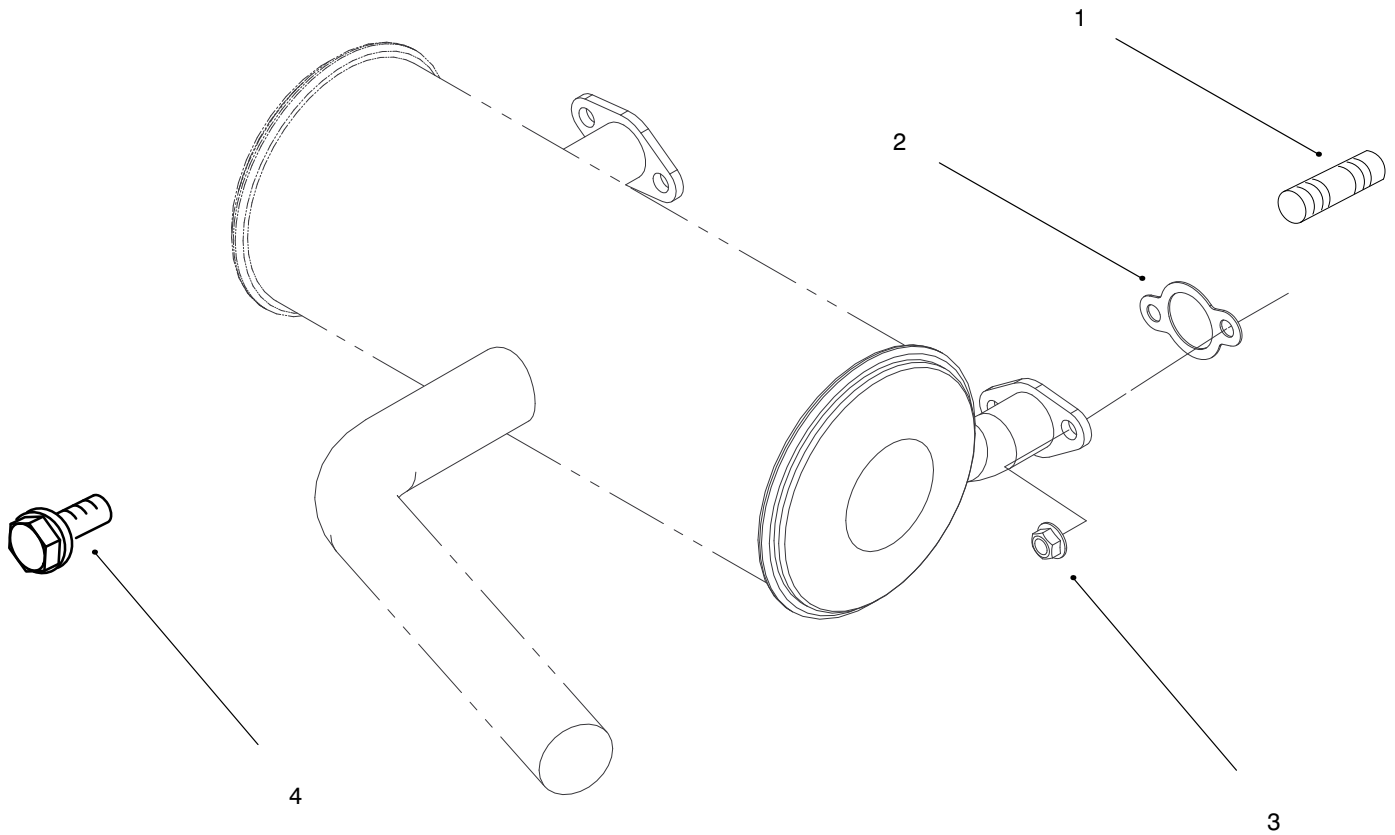


GROUP 9 – ENGINE CONTROLS

Ref. No.	Part No.	Description	No. Used
1	M-0547050	Nut, hex. lock	1
2	24 089 03	Spring, choke return	1
3	M-0645016	Screw, hex. flange	4
4	24 126 56	Bracket, control	1
5	24 468 01	Washer, plain	3
6	24 090 07	Lever, throttle actuator	1
7	12 237 01	Clamp, cable	2
8	M-0545016	Screw, hex. flange	2
9	24 090 03	Lever, throttle control	1
10	M-0446030	Nut, hex	1
11	M-0401030	Screw, hex. cap	1
12	24 079 02	Linkage, choke	1
13	24 090 05	Lever, choke	1
14	41 468 03	Washer, spring	1

Ref. No.	Part No.	Description	No. Used
15	M-0545020	Screw, hex. flange	1
16	24 089 38	Spring, throttle limiter	1
17	24 089 15	Spring, governor	1
18	SM-0642025	Screw, hex. flange	1
19	24 090 14	Lever, governor	1
20	M-0641060	Nut, hex. flange	1
21	25 158 11	Bushing, linkage retaining	1
22	24 089 01	Spring, linkage	1
23	25 158 08	Bushing, linkage retaining	1
24	24 079 01	Linkage, throttle	1
25	24 378 01	Panel, control	1
26	24 086 06	Screw, phillips	1

Obtain Parts From Kohler



GROUP 11 – EXHAUST

Ref. No.	Part No.	Description	No. Used
1	25 072 04	Stud	4
2	93-0350	Gasket, exhaust	2
3	M-0841080	Nut, hex flange	4

Ref. No.	Part No.	Description	No. Used
4	M-0839020	Screw, hex. flange	2
*	24 755 03	Gasket Set	1

Obtain Parts From Kohler
* Not Illustrated

TORO PART NUMBER INDEX

Part No.	Pg. No.	Ref. No.	Qty.	Description	Part No.	Pg. No.	Ref. No.	Qty.	Description
104047	4	2:1	2	Bushing	98-4725	9	4	2	Hose - Hyd, Loader
104047	4	15:1	1	Bushing	98-4726	9	7	1	Hose-Hyd, Center Long
104048	4	2:2	1	Valve-Fuel	98-4727	9	8	1	Hose-Hyd, Center Straight
104048	4	15:2	1	Valve-Fuel	98-4728	6	30	2	Hose - Hyd, Aux
111075	11	1	1	Wire Assy	98-4729	6	17	1	Lever - Valve
111216	11	9	1	Assy Switch Ignition	98-4730	6	29	1	Valve - Hyd, Aux
113010	11	13	1	Battery Hold Down	98-4731	6	25	1	Valve - Hyd, Selector
10-6830	2	4:2	5	Stud-Drive Type	98-4735	6	21	1	Valve - Hyd, Check
10-7070	3	7	1	Square Key	98-4744	6	20	1	Hose ASM
27-1960	3	19	1	Hub-Engine	98-4747	6	26	1	Hose-Hyd, Pressure Hi
42-9580	6	9	10	Nut-Hex	98-4748	9	3	2	Hose - Hyd, Pressure Lo
44-2230	3	18	2	Coupling-Rubber	98-4799	6	19	2	Tube - Spacer
54-0110	5	15	1	Filter-Oil Transmission	98-4845	1	4:6	2	Grip - Cushion
61-2790	5	20	1	Screen Filter	98-4871	1	4:7	2	Bushing - Tension
63-8360	11	8	2	Key-Ignition w/Shield	98-4871	1	13:5	7	Bushing - Tension
66-9300	3	25	2	Screw-Flange	98-4871	1	14:7	1	Bushing - Tension
68-6150	5	4	1	Breather-Air	98-7249	11	6	2	Relay-Spdt
71-4411	3	17	4	Spacer	98-8219	1	4:8	1	Decal - Throttle
72-4310	11	11	3	Switch	98-8220	10	13	1	Decal - Speed Limiter
74-0720	1	12	1	Tube-Manual	98-8235	1	4:10	1	Decal - Selector
74-5950	1	18	4	Latch - Swell	98-9050	8	7	2	Valve-Counterbalance
80-8010	1	4:1	2	Warning-Hands Away	98-9051	1	13:6	1	Decal - Danger
80-8010	1	13:2	4	Warning-Hands Away	98-9051	10	5	1	Decal - Danger
85-4730	10	14	1	Decal - Hyd Oil Only	98-9079	7	34	1	Adapter -, Tee, Adjustable
85-9310	4	13	2	Control-Choke	98-9090	6	12	1	Grip - Control
86-5480	7	5	1	Nipple	98-9097	6	23:1	1	Seal Kit-Valve
88-3980	4	5	2	Gas Cap Assembly	98-9098	6	23:2	1	Kit - Handle Hardware
92-5821	5	14	1	Filter Head ASM	98-9906	5	16	1	Fitting - Straight Thread
92-6877	3	4	1	Valve - Oil Drain	98-9907	5	8	2	Union - Bulkhead, Orb
93-7498	5	17	1	Plug - Plastic	98-9912	5	10	1	Cap - Dust
94-1867	11	14	1	Battery	98-9913	5	11	1	Plug - Dust
94-2551	1	4:3	1	Decal - Choke	98-9921	6	16	1	Fitting-Straight Thread
94-4208	11	7	1	Hourmeter	98-9927	5	23	1	Gasket - Cover
94-6031	6	3	1	Fitting - Hyd	98-9940	5	24	10	Screw
94-8178	2	6:1	1	Seal Kit - Wheel Motor	98-9947	1	4:13	2	Tread - Foot
95-1726	3	3	4	Screw-Taptite w/Patch	99-1351	5	19	1	Dipstick
95-3209	6	24	1	Fitting - Straight Thread	99-13582	15	1:1	1	Seal Kit - Cylinder
98-2708	5	6	1	Hose - Vent	99-1353	3	24:2	1	Seal Kit - Pump
98-2712	8	7:1	1	Seal Kit-Valve	99-1354	1	13	1	Loader & Decal ASM
98-2713	5	3	1	Hose-Hyd, Suction	99-1376	6	15	1	Mount - Control
98-2747	2	2	2	LH Wheel & Tire ASM	99-1414	1	7	10	Pin-Pivot
98-2748	2	2:2	1	Wheel	99-1420	4	2:3	1	Plug - Tank, Fuel
98-2748	2	5:2	1	Wheel	99-1444	4	4	1	Plate - Mount, Left
98-2749	2	2:3	1	Tire	99-1447	2	5	2	RH Wheel & Tire ASM
98-2749	2	5:3	1	Tire	99-3008	6	27	1	Hose-Hyd, Pressure
98-2751-03	3	14	1	Mount-Pump	99-3010	8	3	2	Hose-Hyd, Motor Front
98-4654	4	15	1	Fuel Tank ASM	99-3011	8	4	2	Hose-Hyd, Motor Rear
98-4655-03	4	14	1	Plate - Mount	99-3012	8	2	2	Hose-Hyd, Motor
98-4656-03	4	1	2	Mount - Tank Bottom	99-3016	5	13	1	Fitting - 45 Degree
98-4657	4	3	2	Bolt - Mount	99-3017	3	26	2	Fitting
98-4666-03	3	2	1	Mount - Engine	99-3018	6	23	1	Valve-Flow Control
98-4667	3	31	1	Hose - Drain, Oil	99-3020	1	2	2	Cover - Hose
98-4670	6	11	2	Drive Handle ASM	99-3021	6	32	1	Line - Hydraulic, Tank
98-4671	6	10	2	Cylinder Handle ASM	99-3022	8	6	1	Line-Hyd, Left A1
98-4675-01	5	25	2	Lock-Cylinder	99-3023	8	14	1	Line-Hyd, Left A
98-4677	10	7	1	Decal - Auxiliary Power	99-3024	8	10	1	Line-Hyd, Right B
98-4679	10	3	1	Decal - Front	99-3025	8	12	1	Line-Hyd, Right B1
98-4680	10	2	2	Decal - Side	99-3026	8	15	1	Line-Hyd, Left B1
98-4682	1	13:3	1	Decal - Caution	99-3027	8	9	1	Line-Hyd, Left B
98-4690	1	14	1	Quick Attach ASM	99-3028	8	13	1	Line-Hyd, Right A1
98-4691-03	1	14:3	1	Mount-Quick Attach	99-3029	8	11	1	Line-Hyd, Left A1
98-4692	1	14:4	2	Cam-Quick Attach	99-3030	6	2	1	Line-Hyd, Cf
98-4693	1	14:5	2	Pin-Quick Attach	99-3032	6	8	1	Valve-Hydraulic
98-4694	1	14:6	2	Spring - Compression	99-3051	9	1	3	Cylinder - Hydraulic
98-4695	6	7	7	Tube - Spacer	99-3052	2	6	4	Hydraulic Motor ASM
98-4698	5	9	1	Male-Quick Disconnect	99-3057	8	18	2	Spacer-Valve
98-4699	5	12	1	Female-Quick Disconnect	99-3058	1	21	4	Washer
98-4700	3	24:1	1	Key-Square	99-3059	3	32	2	Spring-Compression
98-4701	3	15	1	Hub - Pump, 5/8	99-3064	2	4	4	Hub ASM
98-4702	3	24	1	Pump - Gear, Tandem	99-3065	9	1:1	1	Seal Kit-Hyd. Cylinder
98-4720	6	8:1	1	Seal Kit	99-3173	4	10:3	1	Element-Filter
98-4721	6	25:1	1	Seal Kit	99-3174	4	10:5	2	Clip
98-4721	6	29:1	1	Seal Kit	99-3175	4	10:6	1	Valve-Dust Ejector
98-4724	6	31	1	Line - Hydraulic Aux	99-3176	4	10:2	1	Cover

*Not Illustrated

TORO PART NUMBER INDEX (Cont.)

3322-881

Part No.	Pg. No.	Qty.	Ref. No.	Description	Part No.	Pg. No.	Qty.	Ref. No.	Description
99-3090	3	11	1	Shaft-Coupling	237-146	3	29:1	1	O Ring
99-3091	3	14	7	Screw-HH	237-151	8	5:2	1	O Ring
99-3128-03	5	22	1	Cover	237-151	8	8:2	1	O-Ring
99-3136	3	8	1	Shield - Muffler	242-50	2	1	20	Lug Nut
99-3137	1	17	1	Cover - Hood	2412-36	5	5	2	Clamp
99-3138	3	9	1	Support - Shield	2412-42	4	11	2	Hose Clamp
99-3139	2	3	4	Nut - Wheel Motor	2412-98	4	16	10	Clamp
99-3144	4	12	1	Hose - Air	2412-129	3	27	6	Hose Clamp
99-3145	1	4	1	Frame & Decal ASM	2412-133	1	10	1	R-Clamp
99-3147	1	15	1	Grille - Screen	2412-137	9	6	2	Tube Clamp
99-3155	1	8	1	Cover - Valve	283-52	5	26	2	Pin-Clevis
99-3157	10	1	1	Decal-Control Panel	302-5	1	5	10	Fitting-Lube
99-3160	4	10	1	Air Cleaner ASM	302-5	1	14:1	2	Fitting-Lube
99-3161	11	4	1	Harness - Electrical	321-14	6	22	2	Screw-HH
99-3163	11	16	1	Battery Mount	322-3	4	8	5	Screw-HH
99-3166	10	10	2	Decal - Dingo 322	322-7	3	16	4	Screw-HH
99-3171	2	7	4	Pin - Cotter	322-13	6	28	4	Screw-HH
99-3178	3	28	2	Hose - Hydraulic Suction	322-20	6	1	3	Screw-HH
99-3185	4	17	3	Line - Fuel	323-9	3	5	4	Screw-HH
99-3197	4	10:8	1	Bracket ASM-Filter Mount	324-6	3	13	4	Screw-HH
99-3198	4	10:7	1	Filter-Safety	3230-2	4	6	2	Screw-CARR
99-5000	4	18	2	Valve - Check, Fuel	3230-2	9	5	2	Screw-CARR
99-5003	4	2	1	Fuel Tank ASM	3234-4	11	18	2	Screw-Flange
99-5005	4	19	1	Fitting - Tee, Barbed	3234-5	6	13	2	Screw-HHF
99-5027	11	15	2	Retainer - Battery	3234-27	2	8	16	Screw-Flange
99-5101	4	20	2	Line - Fuel	3234-33	3	30	6	Screw-HHF
99-5104	15	1	3	Cylinder ASM	3241-5	3	20	4	Setscrew
99-5105	1	6	10	Shoulder Screw	3255-8	11	2	1	Washer-Lock/Ext
99-5110	4	9	1	Mount - Air Cleaner	3256-22	7	36	6	Washer-Flat
100-1711	3	12	1	Muffler-Kohler 22	3256-23	1	11	12	Washer-Flat
100-1712	11	17	1	Cable-Positive	3290-379	7	99	9	Plastic Ty-On
2112-9	3	11	1	Clamp	3290-467	5	27	2	Hairpin Cotter
232-27	2	1	2:1	Stem-Valve	3296-27	7	99	1	Nut-Lock Ni
232-27	2	1	5:1	Stem-Valve	3296-29	3	10	22	Nut-Lock Ni
237-22	9	10:1	1	O Ring	3296-39	3	1	4	Nut-Lock Ni
237-30	5	8:1	1	O-Ring	3296-42	7	37	8	Nut-Lock Ni
237-30	6	3:1	1	O-Ring	32103-22	11	12	4	Nut-Wing
237-30	6	4:1	1	O-Ring	32121-94	1	14:2	2	Special Pin
237-30	6	18:1	1	O-Ring	32128-44	6	33	2	Nut
237-30	6	21:1	1	O-Ring	32144-18	11	99	2	Screw-HH
237-30	7	34:1	1	O-Ring	32144-70	1	1	10	Screw-Taptite
237-30	7	35:1	1	O-Ring	32144-70	1	13:1	2	Screw-Taptite
237-35	9	2:2	1	O-Ring	32144-87	11	5	3	Screw-Thread Forming
237-35	9	11:3	1	O-Ring	32144-111	1	16	8	Screw-Plask
237-42	9	2:1	1	O-Ring	3334-945	9	99	1	Cable Tie
237-42	11	10	3	O-Ring	33104-030	6	14	1	Screw-HHF
237-65	8	1:1	1	O-Ring	33114-020	11	3	3	Screw-HH
237-65	8	16:1	2	O-Ring	340-3	9	10	2	Adapter
237-75	9	9:1	3	O-Ring	340-4	6	18	6	Adapter
237-78	9	11:2	1	O-Ring	340-7	8	1	8	Adapter
237-79	5	1:1	1	O-Ring	340-18	7	6	1	Adaptor
237-79	5	8:2	1	O-Ring	340-72	8	16	4	Elbow-Bulkhead Union, 90
237-79	6	4:2	1	O-Ring	340-74	8	17	4	Locknut-Bulkhead
237-79	6	6:1	1	O-Ring	340-82	9	2	6	Adapter
237-79	6	16:2	1	O-Ring	340-98	6	4	2	Adapter
237-79	6	18:2	1	O-Ring	340-105	7	35	2	90 DEG Elbow
237-79	6	21:2	1	O-Ring	340-127	5	7	2	Nut-Bulkhead
237-79	6	24:1	2	O-Ring	340-133	9	11	2	Adapter
237-79	7	34:2	2	O-Ring	340-151	9	9	2	Fitting
237-79	8	5:1	1	O-Ring	340-153	8	5	2	Fitting - Hyd
237-79	8	8:1	1	O-Ring	340-155	8	8	10	Fitting - Hyd
237-79	9	10:2	1	O-Ring	353-988	5	1	1	Plug-Hollow Hex
237-80	7	35:2	1	O-Ring	354-78	3	29	2	Connector-Hose
237-80	8	1:2	1	O-Ring	354-85	6	5	1	Nipple-Diagnostic
237-81	3	26:1	1	O-Ring	354-86	6	6	1	Adapter - 90 DEG
237-81	5	13:2	1	O-Ring	354-126	5	21	1	Fitting-Hyd
237-81	5	16:1	2	O-Ring	505-33	7	99	1	Saf-T-Lok
237-123	5	18	1	O-Ring					
237-145	6	16:1	1	O-Ring					

*Not Illustrated

COUNTRIES OTHER THAN THE UNITED STATES OR CANADA

are dissatisfied with your Distributor's service or have difficulty obtaining guarantee information, contact the TORO importer. If all other remedies fail, you may contact us at The Toro Company.

MAINTENANCE RECORD

[illegible]