



## Dingo<sup>®</sup> 222 Traction Unit

Model No. 22300 - 890001 and up.

### Parts Catalog

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#### 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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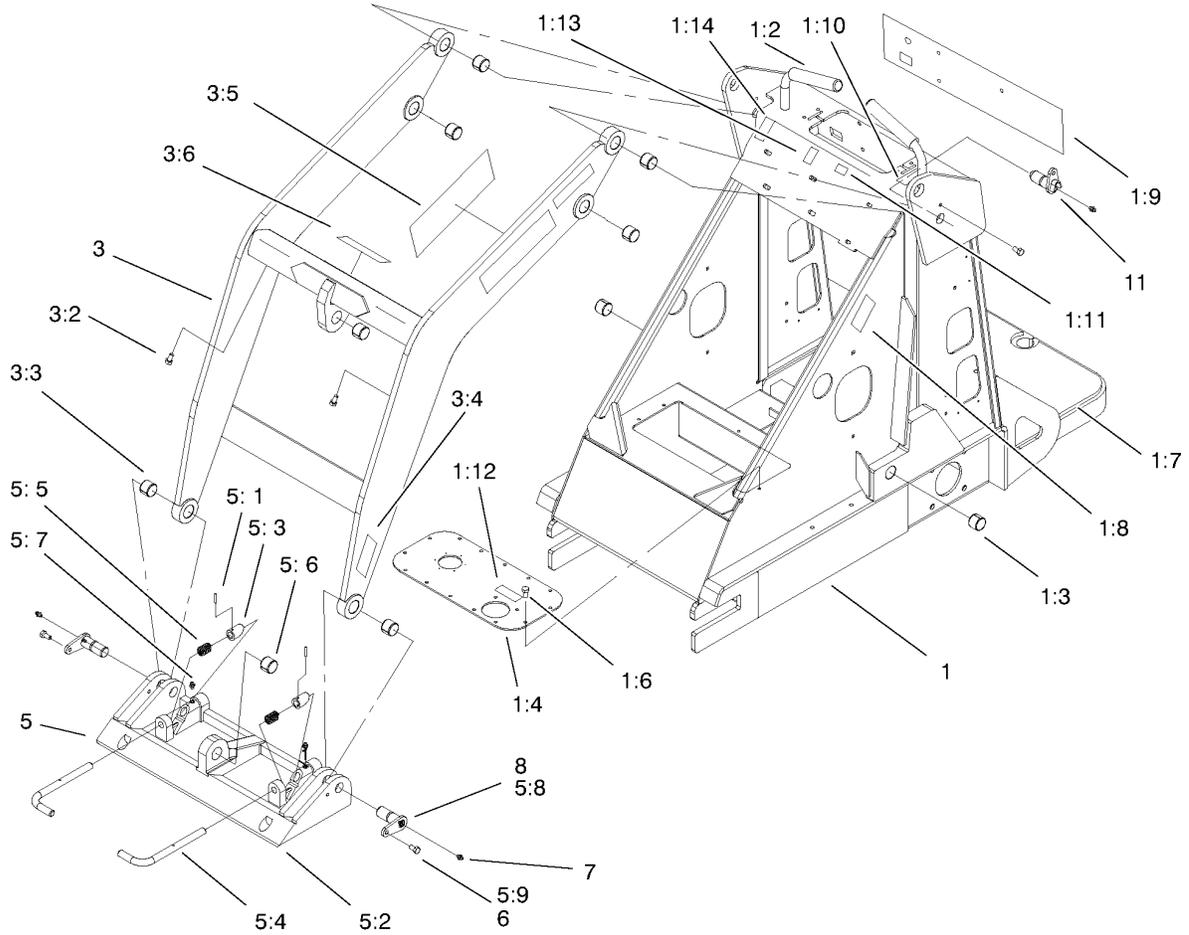
## Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR. .... as required	HYD. .... hydraulic
ASM. .... assembly	LH. .... left hand
BBC. .... blade brake clutch	NI. .... nylon insert
CARR. .... carriage	NPTF. .... national pipe thread fine
DEG. .... degrees	PFH. .... phillips flat head
EXT. .... external	PPH. .... phillips pan head
FH. .... flat head	PPHTF. .... phillips pan head thread forming
GA. .... gauge	PRH. .... phillips round head
HD. .... heavy-duty	PTH. .... phillips truss head
HF. .... hex flange	PTO. .... power-take-off
HH. .... hex head	RH. .... right hand
HHF. .... hex head flange	ROPS. .... roll-over protection system
HHFTF. .... hex head flange thread forming	SFH. .... slotted fillister head
HJ. .... hex jam	SHH. .... slotted hex head
HLH. .... hex lag head	SHWH. .... slotted hex washer head
HOC. .... height-of-cut	SPH. .... slotted pan head
HSBH. .... hex socket button head	SQH. .... square head
HSFH. .... hex socket flat head	SRH. .... slotted round head
HSH. .... hex socket head	STD. .... standard
HWH. .... hex washer head	TAP. .... self tapping
HWHTF. .... hex washer head thread forming	TTH. .... torx truss head

## Footnotes

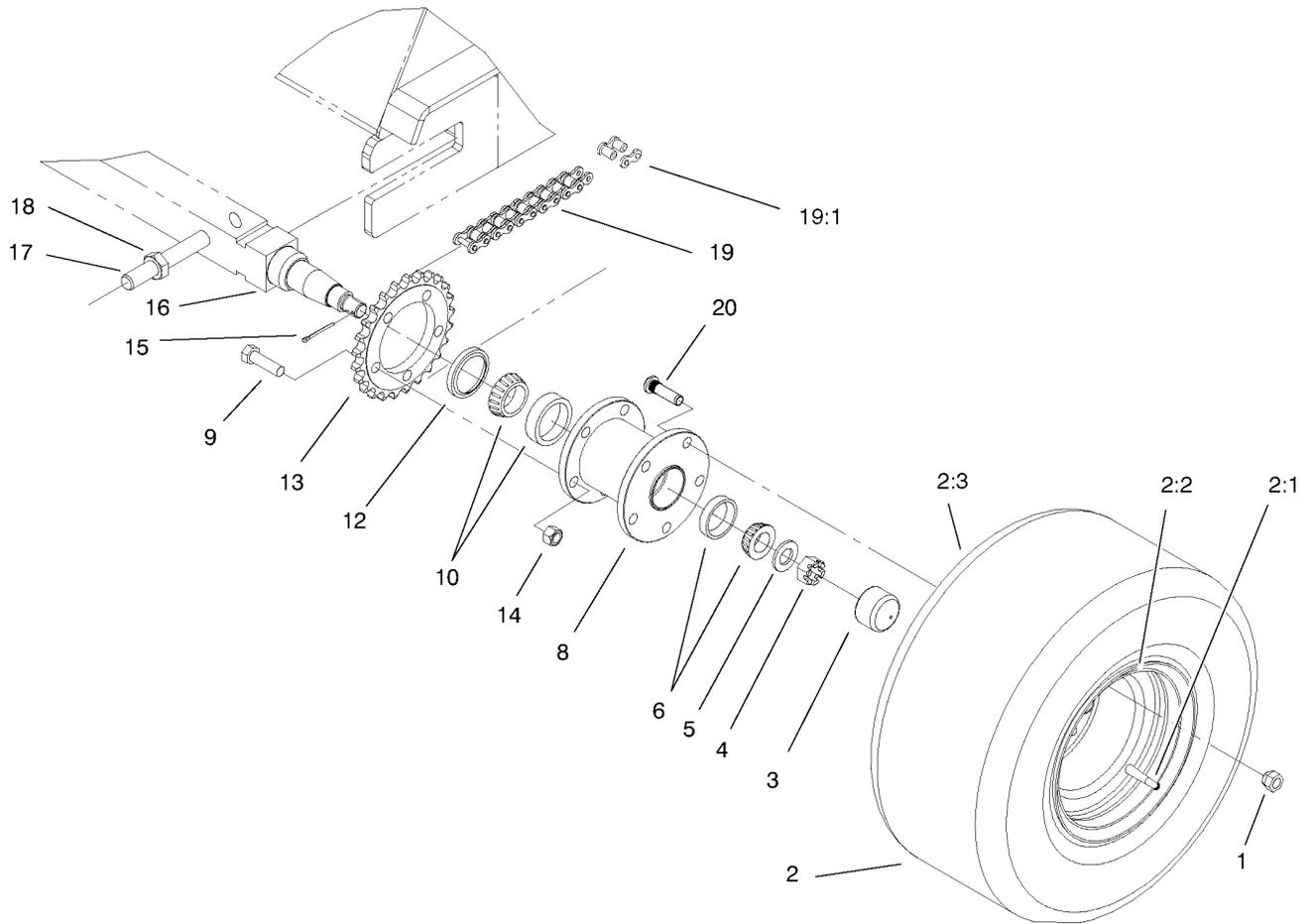
- |                                                                                                                                                         |                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>❶ Not illustrated</li> <li>❷ Obtain Locally</li> <li>❸ Pivot Pin Requires Special Bolt Number 99-5105</li> </ul> | <ul style="list-style-type: none"> <li>❹ Obtain Parts From Kohler</li> <li>❺ Not Serviced Separately</li> </ul> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|



## Frame And Loader Arm Assembly

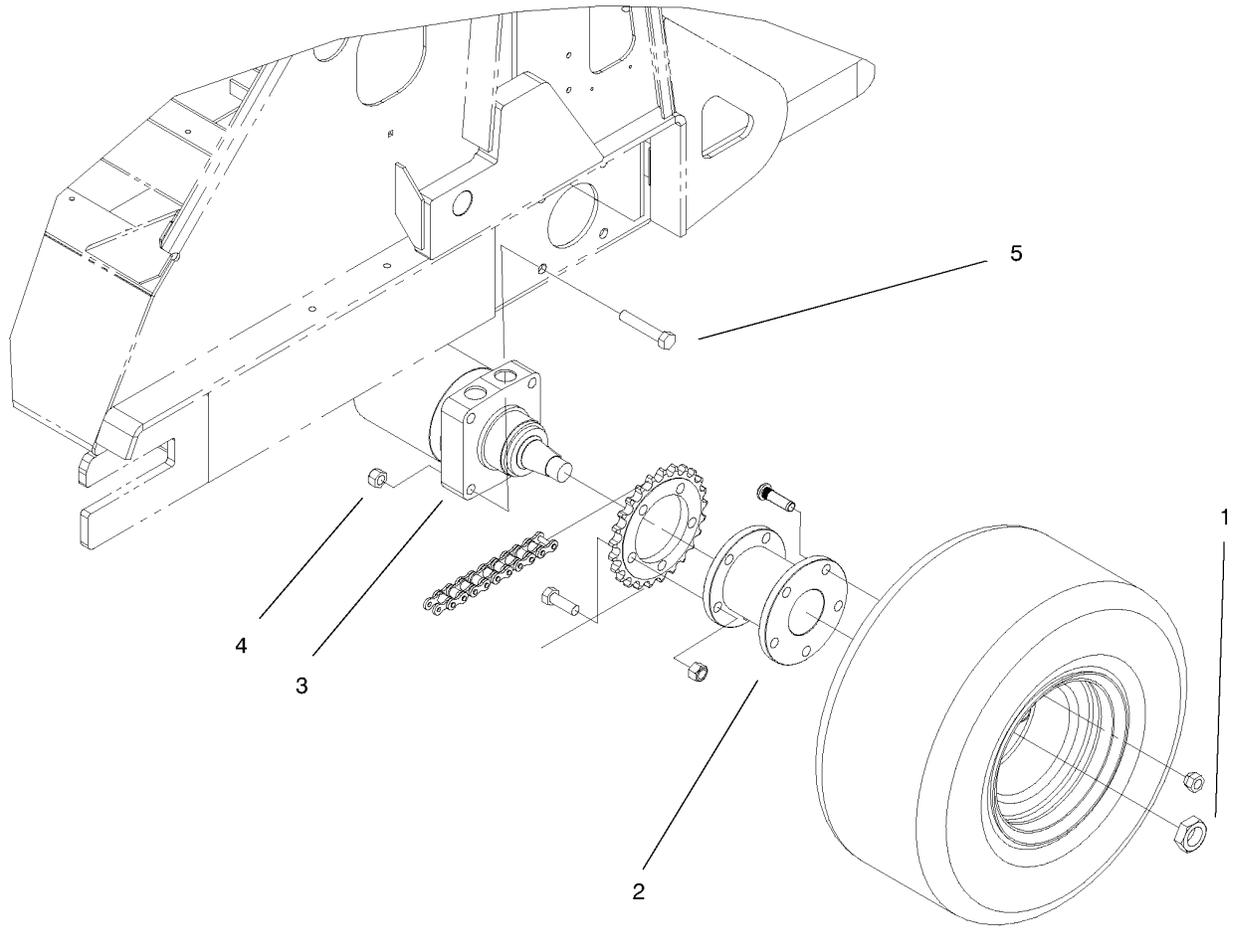
Ref	Part No.	Qty.	Description
1	99-3252	1	Frame-ASM
1:2	99-3251	2	Grip-Cushion
1:3	98-4871	2	Bushing-Tension
1:4	99-3253	1	Cover HYD
1:6	33113-020	16	Screw-HH
1:7	98-9947	2	Tread-Foot
1:8	80-8010	2	Decal-Warning, Keep Hands Away
1:9	99-1385	1	Decal-Panel, Instrument
1:10	98-8219	1	Decal-Throttle
1:11	98-8220	1	Decal-Limiter, Speed
1:12	85-4730	1	Decal-Only, HYD Oil
1:13	98-8235	1	Decal-Selector
1:14	98-4677	1	Decal-Power, Auxiliary
3	99-1354	1	Loader ASM
3:2	32144-70	2	Screw-HWHTF
3:3	98-4871	7	Bushing-Tension
3:4	80-8010	4	Decal-Warning, Keep Hands Away
3:5	98-9051	1	Decal-Danger
3:6	98-4682	1	Decal-Caution
5	98-4690	1	Quick Attach ASM
5:1	32121-94	2	Pin-Special
5:2	98-4691	1	Mount-Quick Attach

Ref	Part No.	Qty.	Description
5:3	98-4692	2	Cam-Attach, Quick
5:4	98-4693	2	Pin-Quick Attach
5:5	98-4694	2	Spring-Compression
5:6	98-4871	1	Bushing-Tension
5:7	302-5	2	Fitting-Grease
5:8	99-1414	2	Pin-Pivot
5:9	99-5105	2	Bolt-Shoulder
6	48-7700	10	Screw-HH
7	302-5	10	Fitting-Grease
8	99-3045	10	ASM - Pivot Pin, Au
11	98-4716	2	Pin-Pivot



## Front Wheel Assembly

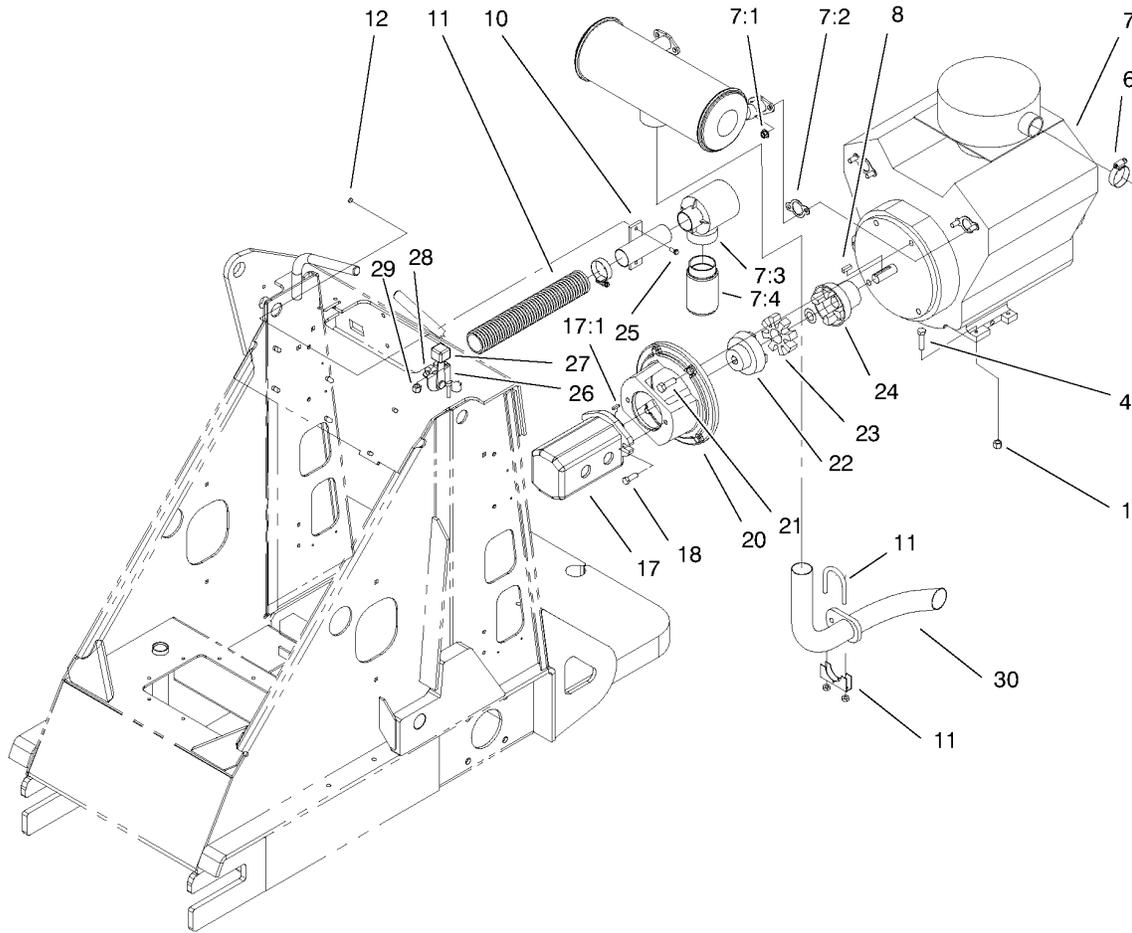
Ref	Part No.	Qty.	Description
1	242-35	20	Nut-Wheel
2	99-3257	4	Tire And Wheel ASM
2:1	106396	4	Tube-Tire
2:2	99-3063	4	Wheel
2:3	99-3062	4	Tire
3	99-3258	2	Dust Cap
4	32146-14	2	Locknut
5	3256-28	2	Washer-Flat
6	99-3260	2	Bearing-Roller Tapered
8	99-3261	2	Hub-Front
9	324-6	20	Screw-HH
10	99-3262	2	Bearing-Cup And Cone
12	106-8184	2	Seal-Bearing, Wheel
13	98-9937	4	Sprocket-25T
14	3219-4	20	Nut-Hex
15	3272-12	2	Pin-Cotter
16	99-3264	1	Axle-Front
17	98-4706	2	Bolt-Tension
18	3218-7	4	Nut-Jam
19	98-4906	2	Chain-Roller
19:1	98-9089	2	Link-Connecting
20	242-34	20	Stud-Drive

## Rear Wheel Assembly

Ref	Part No.	Qty.	Description
1	26-3790	2	Nut-Lock
2	99-3255	2	Hub - Rear
3	98-4704	2	Hydraulic Motor ASM
●3:1	94-8178	2	Seal Kit
4	48-9540	8	Nut-Lock, Hex NI
5	48-9450	8	Bolt

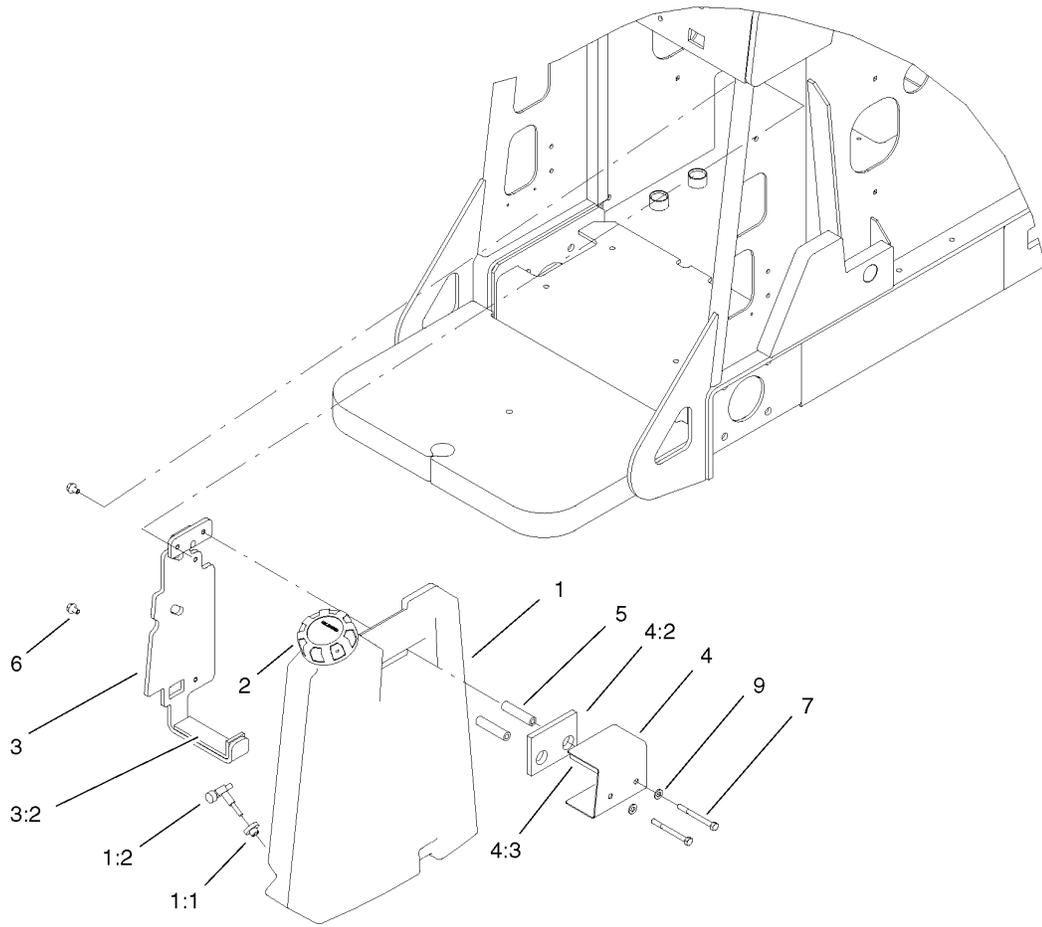


## Engine Assembly

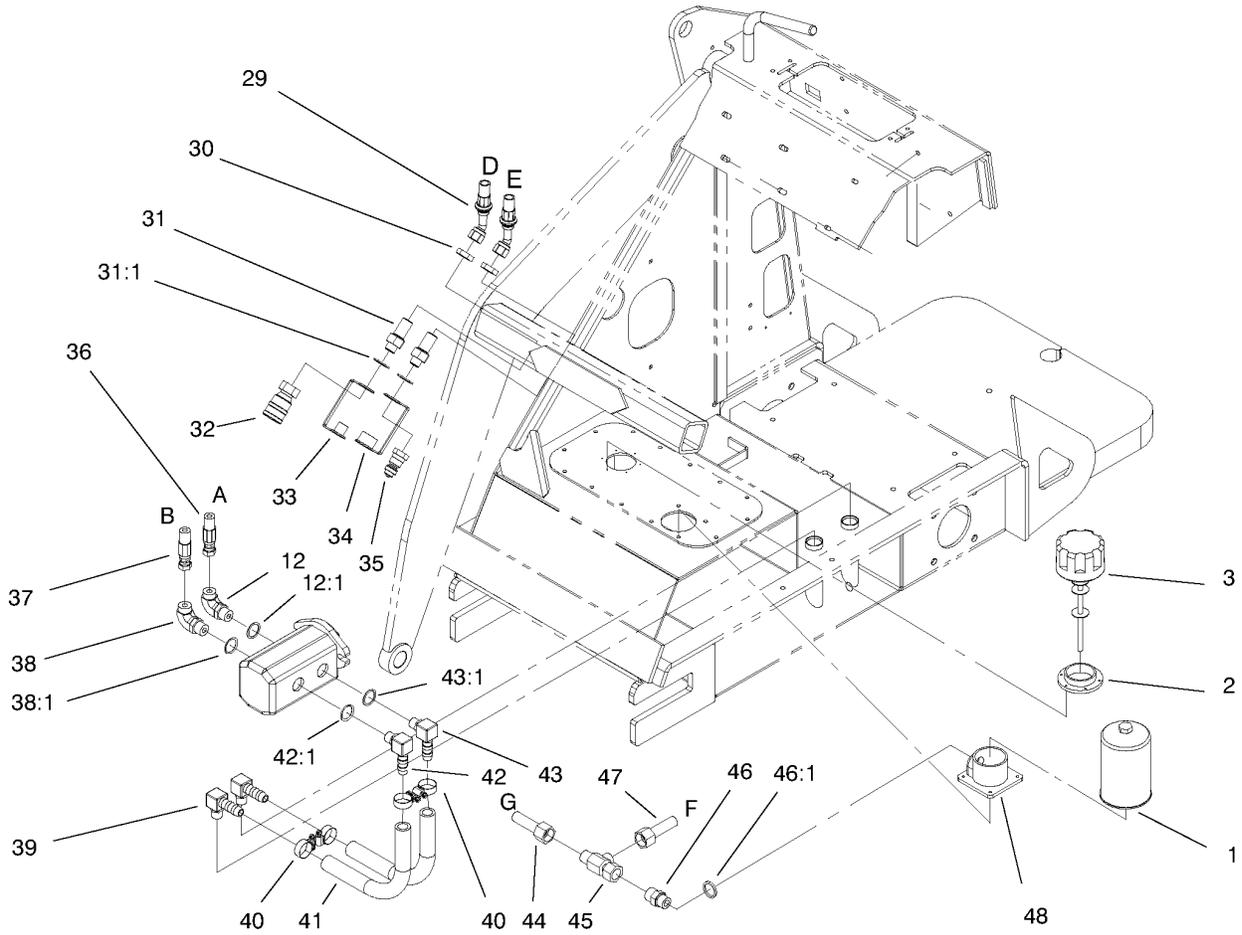
Ref	Part No.	Qty.	Description
1	3296-39	4	Nut-Lock, NI
4	323-9	4	Screw-HH
6	2412-111	4	Clamp
7		1	Engine (Ch22S 66551) Kohler 22 Hp
7:1	92-6780	4	Nut-HF
7:2	93-0350	2	Gasket-Exhaust
7:3	98-9903	1	Precleaner - Kohler F/W
7:4	98-9904	1	Jar - Precleaner
8	10-7070	1	Key-Square
10	99-3266	1	Tube Weld ASM
11	98-9073	1	Hose - Air
12	3296-29	16	Nut-Lock, NI
● 14	100-2531	1	Fuel Tank Kit-Gas
16	99-3293	1	Plate
17	99-3270	1	Pump-Gear, Tandem
17:1	98-4700	1	Key-Square
● 17:2	99-5004	1	Seal Kit - Pump
● 17:3	48-8070	1	Washer-Lock
● 17:4	100-2112	1	Nut-Jam
18	48-7780	4	Screw
20	99-3283	1	Coupling
21	324-6	4	Screw-HH
22	99-3269	1	Coupling

Ref	Part No.	Qty.	Description
23	99-3268	1	Hub-Pump
24	99-3267	1	Hub-Engine
25	322-3	2	Screw-HH
26	98-4707	1	Plate - Control
27	85-9310	1	Control-Choke / Throttle
28	3234-33	2	Screw-HHF
29	32146-17	2	Nut-Lock
30	99-3272	1	Tube-Exhaust
●	2412-98	2	Clamp
●	98-4668	1	Hose-Fuel



## Fuel Tank Assembly 100-2531

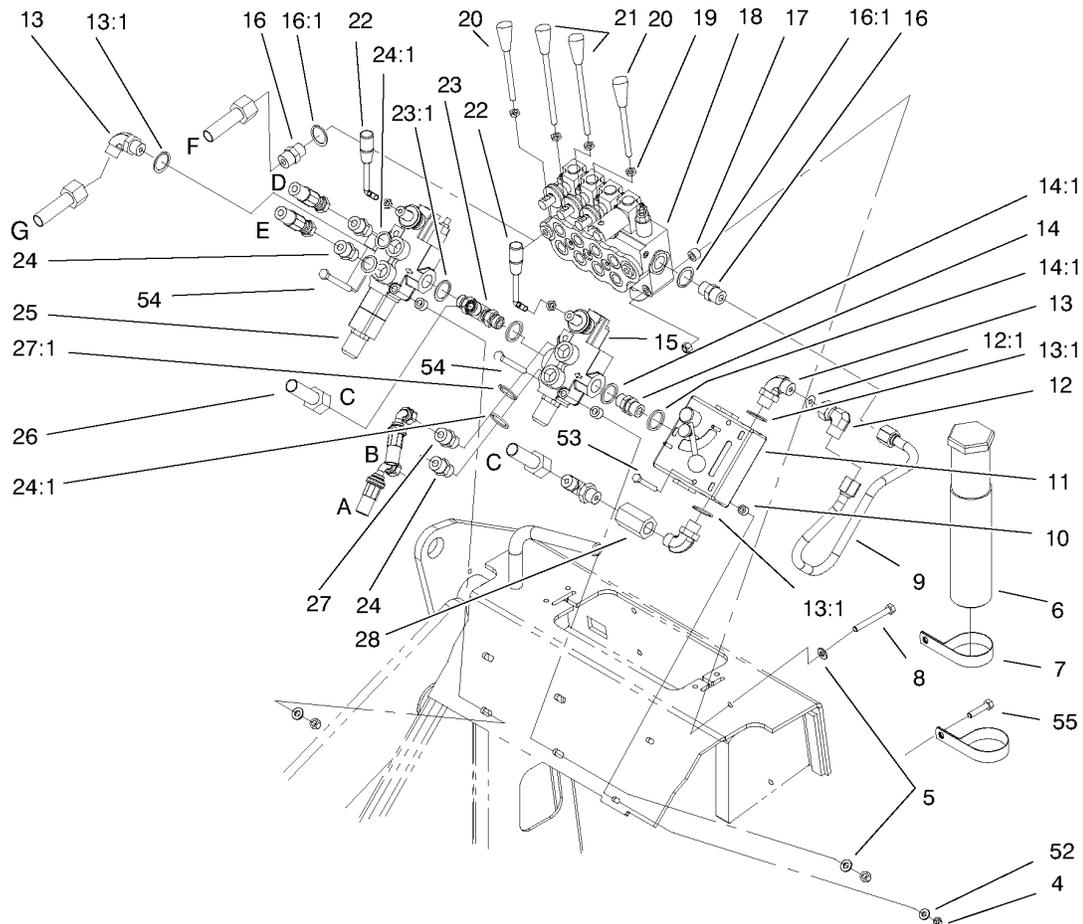
Ref	Part No.	Qty.	Description				
1	98-4654	1	Fuel Tank ASM				
1:1	104047	1	Bushing				
1:2	104048	1	Valve-Fuel				
2	88-3980	1	Gas Cap ASM				
3	100-2540	1	Mount ASM				
3:2	100-2194	1	Pad-Foam				
4	100-2541	1	Plate ASM				
4:2	100-2195	1	Pad-Foam				
4:3	100-2196	1	Pad-Foam				
5	100-1718	2	Spacer				
6	100-1719	2	Screw-Flange				
7	100-1720	2	Screw-HH				
8	2412-108	1	Clamp-Worm				
9	3256-23	2	Washer-Flat				



## Hydraulic Assembly

Ref	Part No.	Qty.	Description
1	99-5084	1	Filter-Element
2	99-3288	1	Cap-Mount
3	99-3287	1	Cap-HYD
12	99-3291	1	Adapter
12:1	99-5078	1	O-Ring
29	99-5068	2	Hose-HYD
30	99-5070	2	Nut-Bulkhead
31	99-5071	2	Union-Bulkhead
31:1	99-5078	2	O-Ring
32	99-1394	1	Quick Coupler-Female
33	98-9913	1	Dust Plug
34	98-9912	1	Cap-Dust
35	99-1393	1	Quick Coupler - Male
36	99-5066	1	Hose-HYD
37	99-5069	1	Hose-HYD
38	99-5072	1	Adaptor - 90 DEG
38:1	99-5075	1	O-Ring
39	99-5088	2	Fitting-Barbed 90 DEG
40	2412-129	4	Clamp-Hose
41	99-5067	2	Hose - HYD
42	99-5087	1	Fitting-Barbed 90 DEG
42:1	99-5075	1	O-Ring
43	99-5086	1	Fitting-Barbed 90 DEG
43:1	99-5078	1	O-Ring

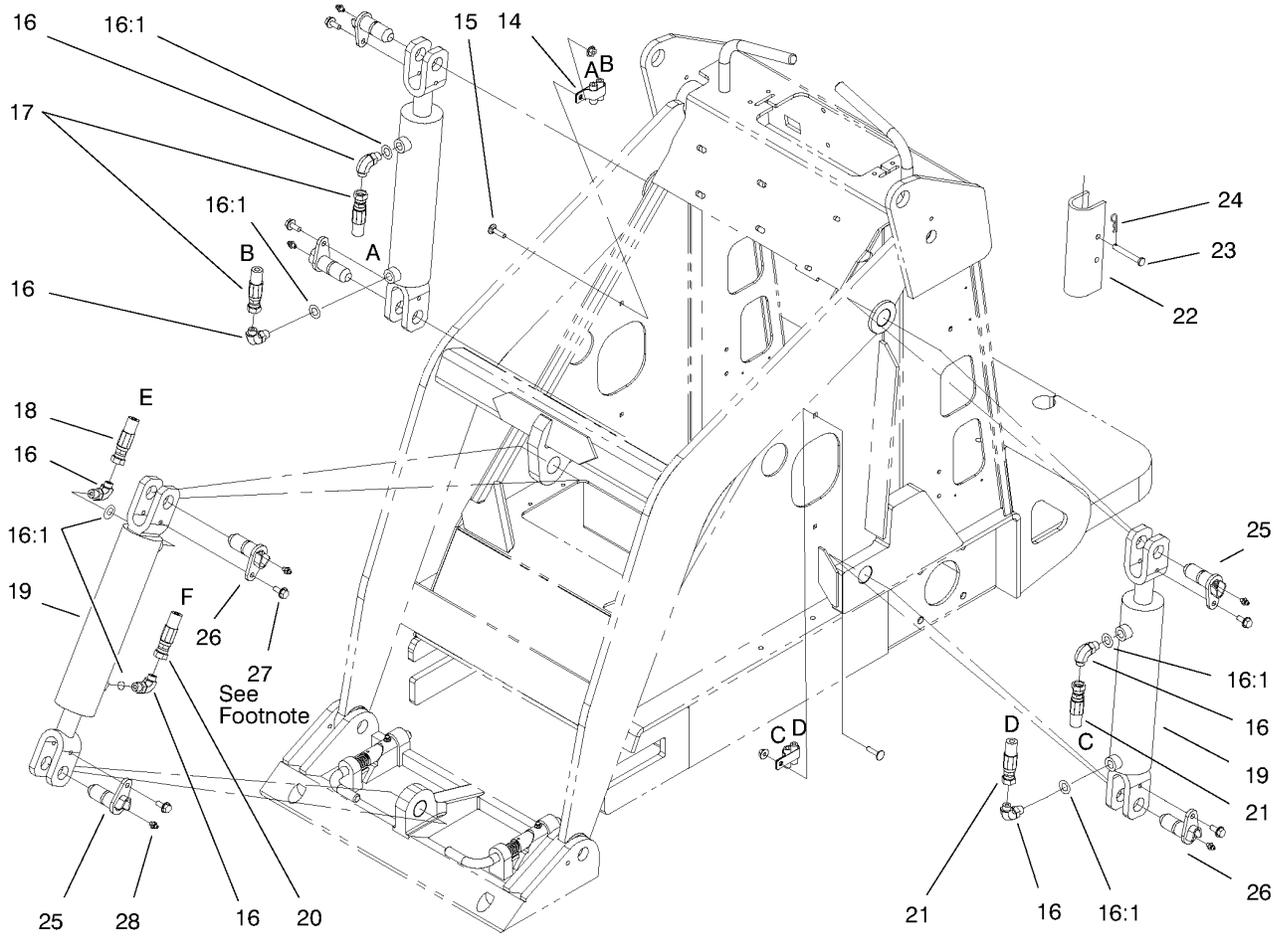
Ref	Part No.	Qty.	Description
44	99-5060	1	Tube-HYD
45	94-7022	1	Tee
46	99-5083	1	Fitting-Straight
46:1	99-5085	1	O-Ring
47	99-5061	1	Tube-HYD
48	99-3289	1	Filter-Mount



### Hydraulic Assembly (continued)

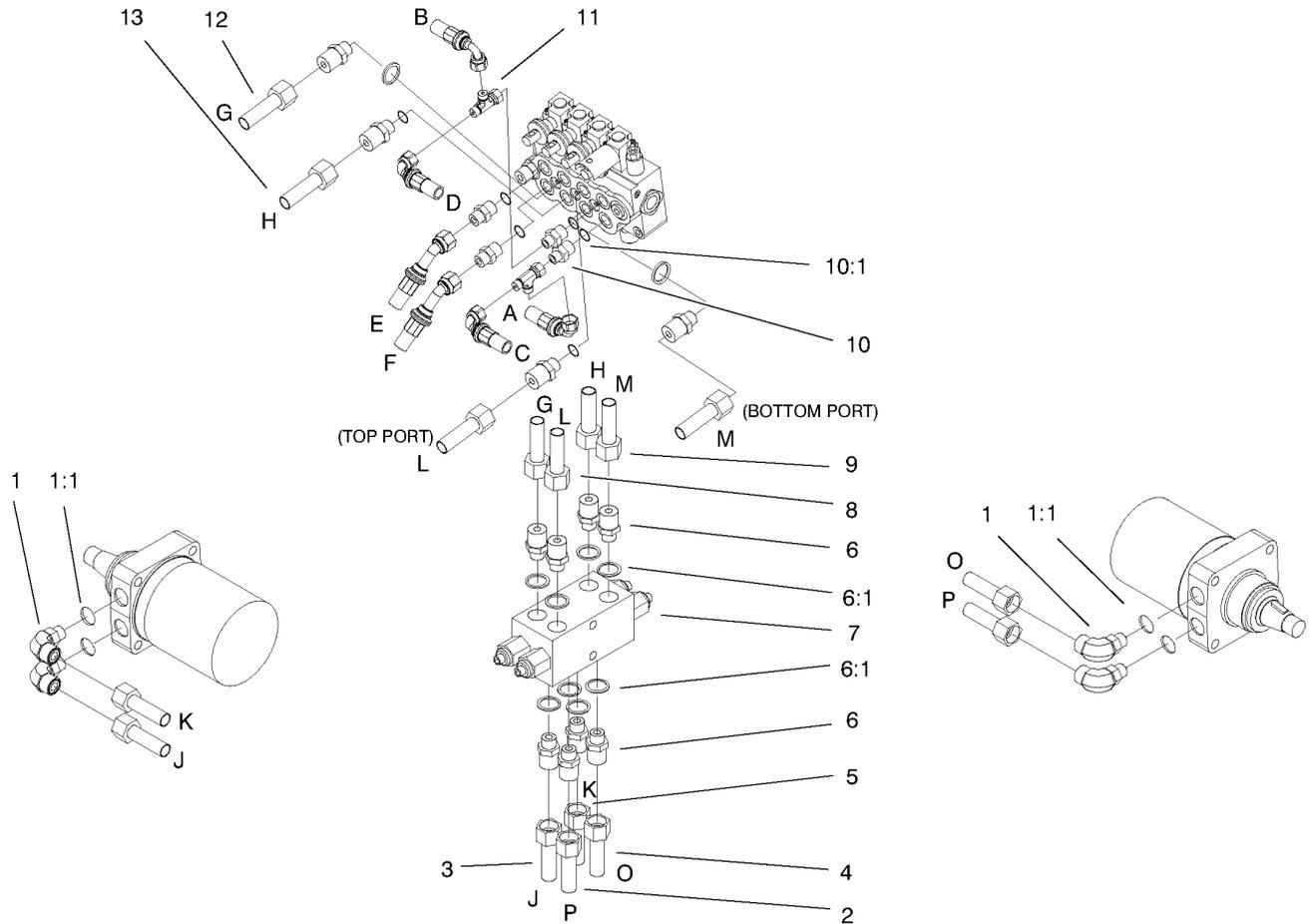
Ref	Part No.	Qty.	Description
4	3296-42	6	Nut-Lock, NI
5	3256-23	7	Washer-Flat
6	74-0720	1	Tube-Manual
7	2412-133	2	R-Clamp
8	322-20	3	Screw-HH
9	99-5059	1	Tube-HYD
10	98-4799	2	Tube-Spacer
11	99-3277	1	Valve - HYD, Flow
●11:1	99-3298	1	Seal Kit - Valve
●11:2	98-9098	1	Handle Hardware Kit
12	99-3291	1	Adapter
12:1	99-5078	1	O-Ring
13	99-5079	4	Adaptor - 90 DEG
13:1	99-5078	4	O-Ring
14	99-5080	1	Connector-Straight Adj.
14:1	99-5078	2	O-Ring
15	99-3276	1	Valve - HYD, Selector
●15:1	98-4721	1	Seal Kit
16	99-5081	2	Fitting-Straight
16:1	99-5078	2	O-Ring
17	98-4695	7	Spacer
18	99-3275	1	Valve - HYD, 4-Spool
●18:1	98-4720	1	Seal Kit
19	42-9580	10	Nut-Hex

Ref	Part No.	Qty.	Description
20	98-4722	2	Lever - Valve
21	98-4723	2	Lever - Valve
22	98-4729	2	Lever-Valve
23	99-5090	1	Adapter-Tee Adjustable
23:1	99-5078	2	O-Ring
24	99-5082	7	Fitting-Straight
24:1	99-5075	14	O-Ring
25	99-3274	1	Valve-HYD, Aux.
●25:1	98-4721	1	Seal Kit
26	99-5058	1	Tube-HYD
27	99-5073	1	Fitting
27:1	99-5075	1	O-Ring
28	99-5077	1	Valve-Inline Check
52	3256-22	3	Washer-Flat
53	321-14	2	Screw-HH
54	322-13	4	Screw-HH
55	32144-70	2	Screw-HWHTF



## Hydraulic Cylinder Assembly

Ref	Part No.	Qty.	Description
14	2412-137	2	Clamp-R, Double
15	3230-2	2	Bolt-CARR
16	353-374	6	Elbow-90 DEG
16:1	237-42	6	O-Ring
17	99-5062	2	Hose-HYD
18	99-5063	1	Hose-HYD
19	99-3165	3	Hydraulic Cylinder
19:1	99-3181	3	Seal Kit-Cylinder
20	99-5064	1	Hose-HYD
21	99-5065	2	Hose-HYD
22	98-4675	2	Lock-Cylinder
23	283-52	2	Pin-Clevis
24	3290-467	2	Pin-Hair
25	99-3045	6	ASM - Pivot Pin, Au
26	99-3044	6	ASM - Pivot Pin, Au
27	48-7700	2	Screw-HH
28	302-5	2	Fitting-Grease

## Hydraulic Valve Assembly

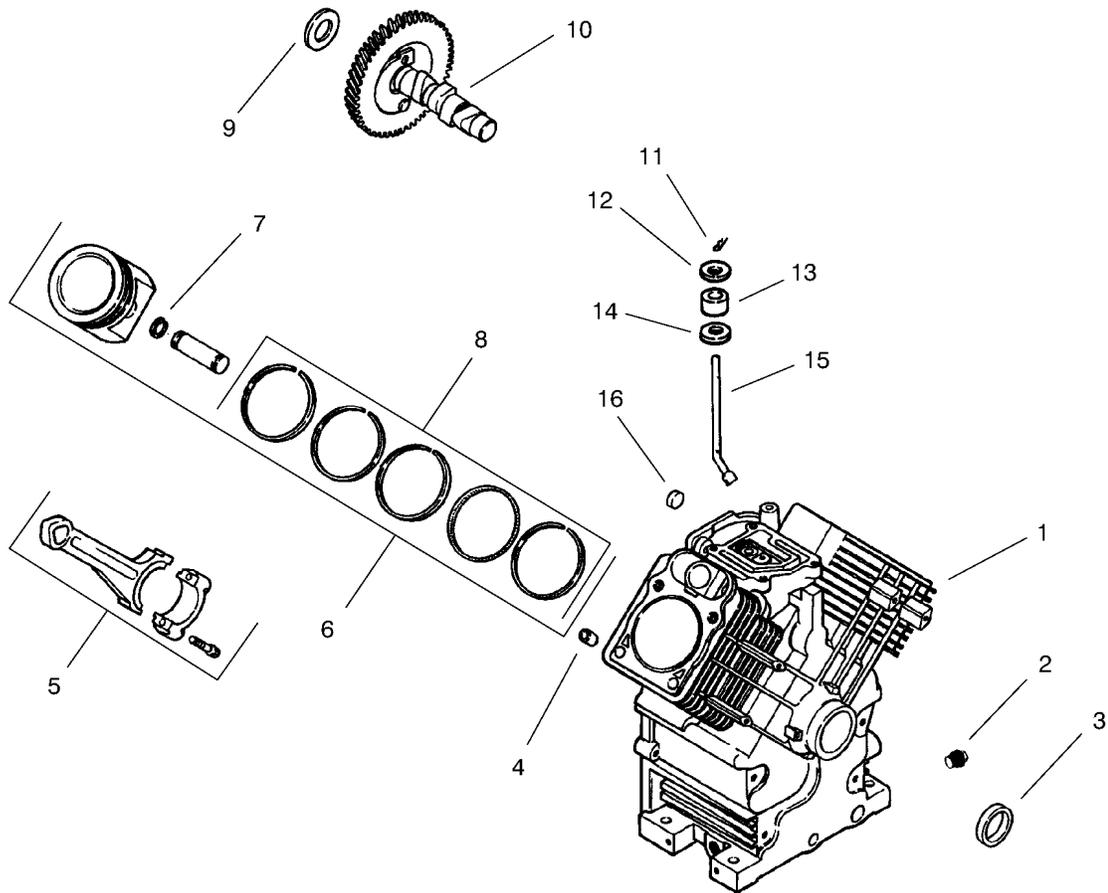
Ref	Part No.	Qty.	Description
1	353-370	4	Elbow-90 DEG
1:1	237-80	4	O-Ring
2	99-5054	1	Tube-HYD
3	99-5053	1	Tube-HYD
4	99-5050	1	Tube-HYD
5	99-5056	1	Tube-HYD
6	353-388	8	Fitting-Straight
6:1	237-80	8	O-Ring
7	99-3279	1	Valve-Counterbalance
7:1	98-2712	2	Seal Kit
8	99-5055	1	Tube-HYD
9	99-5051	1	Tube-HYD
10	99-5074	4	Fitting
10:1	99-5075	4	O-Ring
11	99-5076	2	Connector-Swivel
12	99-5052	1	Tube-HYD
13	99-5057	1	Tube-HYD

Ref	Part No.	Qty.	Description





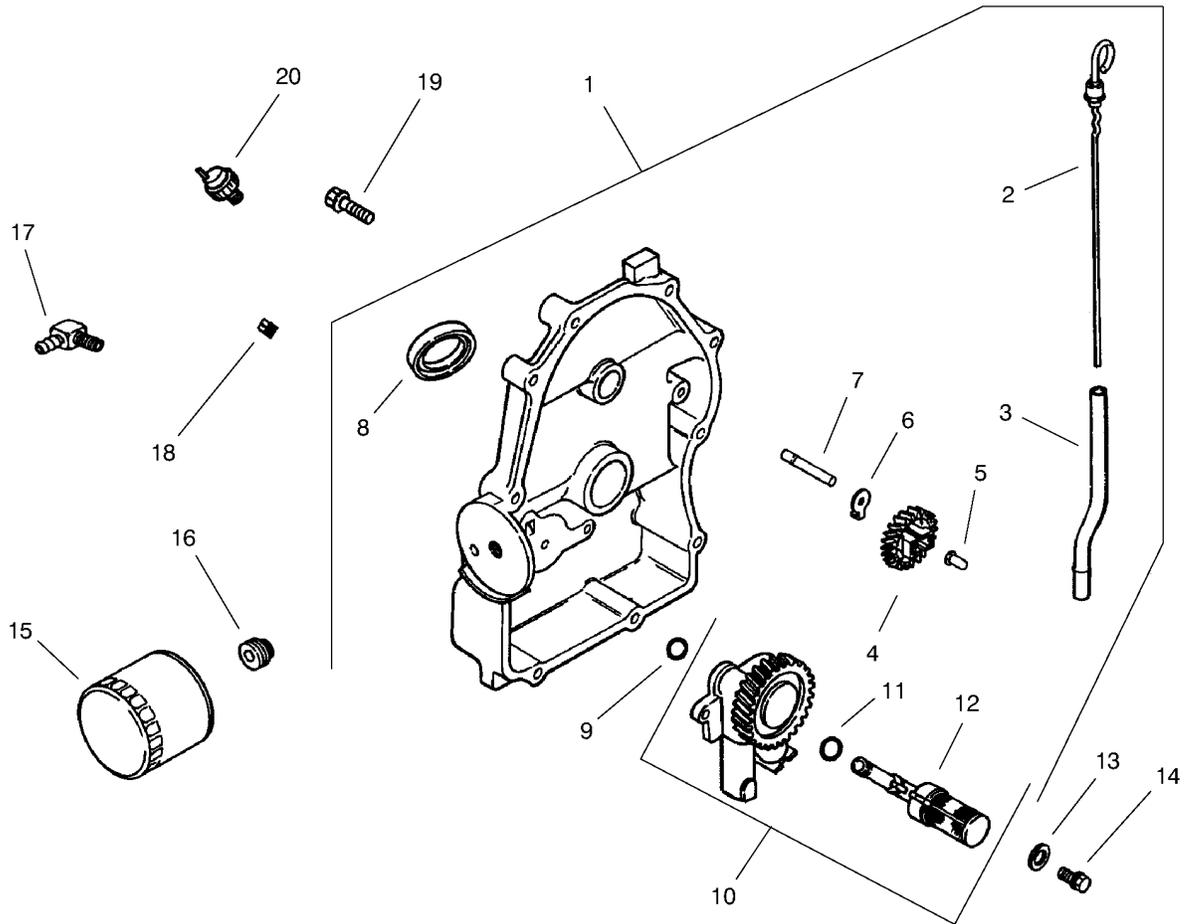




## Group 2-Crankcase

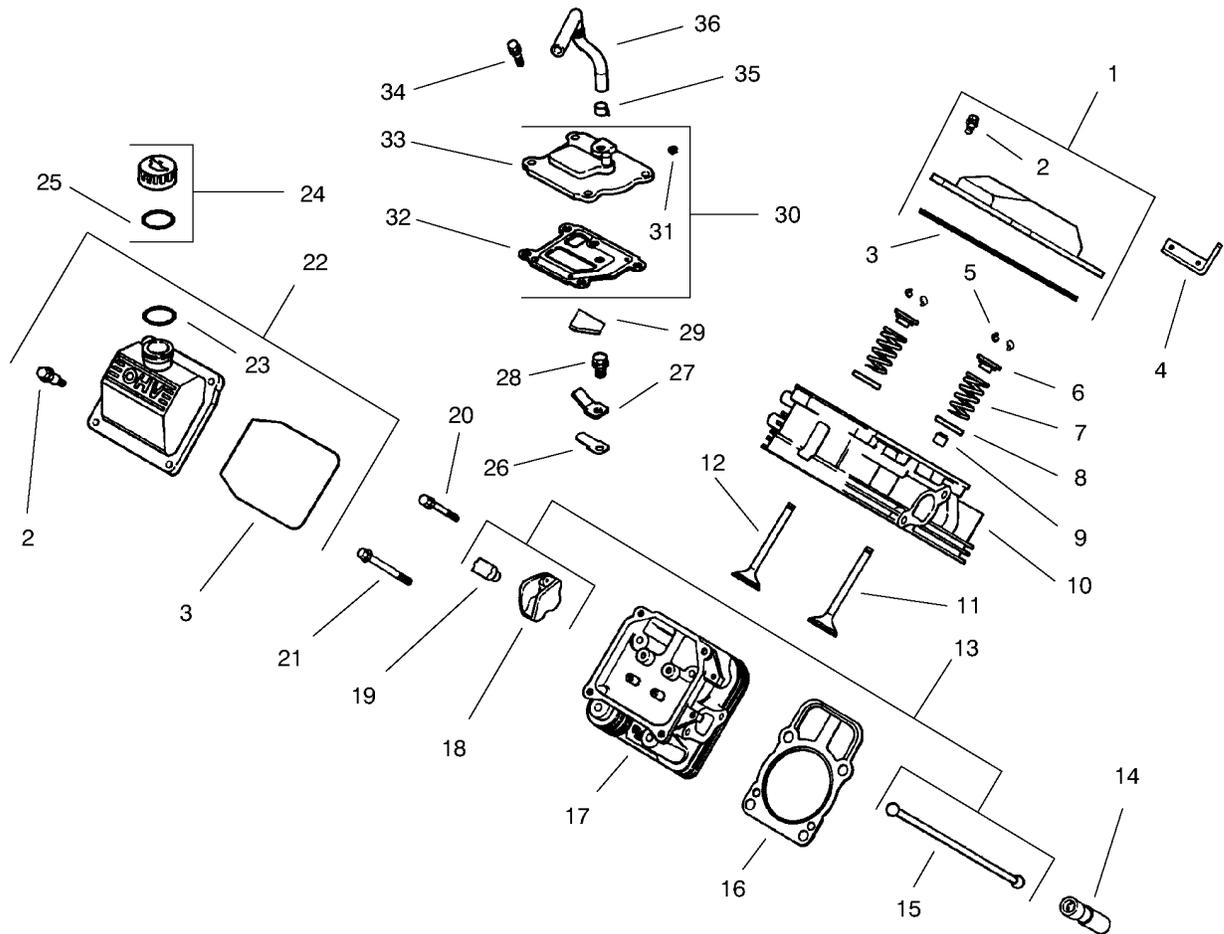
Ref	Part No.	Qty.	Description
①		1	Cylinder Block (Use Miniblock 24 782 01)
②	52 139 02	2	Plug-Drain
③	24 032 01	1	Seal-Oil
④	12 380 17	6	Dowel-Locating
⑤	24 067 13	2	Rod-Connecting (Standard)
⑥	24 067 14	2	Rod-Connecting (.25)
⑦	24 874 01	2	Piston ASM STD Inc4/7/8
⑧	24 874 02	2	Set-Piston W/Ring .25
⑨	24 874 03	2	Piston ASM .50 Inc4/7/8
⑩	24 018 01	4	Retainer-Piston Pin
⑪	24 108 01	2	Ring Set(STD.)
⑫	24 108 02	2	Set-Ring .25
⑬	24 108 03	2	Set-Ring .50
⑭	12 422 09	0	Shim-Camshaft
⑮	12 422 13	0	Shim-Camshaft
⑯	12 422 07	0	Shim-Camshaft
⑰	12 422 08	0	Shim-Camshaft
⑱	12 422 10	0	Shim-Camshaft
⑲	12 422 11	0	Shim-Camshaft
⑳	12 422 12	0	Shim-Camshaft
㉑	24 012 05	1	Camshaft
㉒	12 380 04	1	Pin-Hitch
㉓	M-0631005	1	Washer

Ref	Part No.	Qty.	Description
⑬	12 032 01	1	Seal-Cross Shaft
⑭	X-25-102	1	Washer
⑮	24 144 01	1	Shaft-Governor Cross
⑯	52 139 09	1	Plug



### Group 3-Oil Pan/lubrication

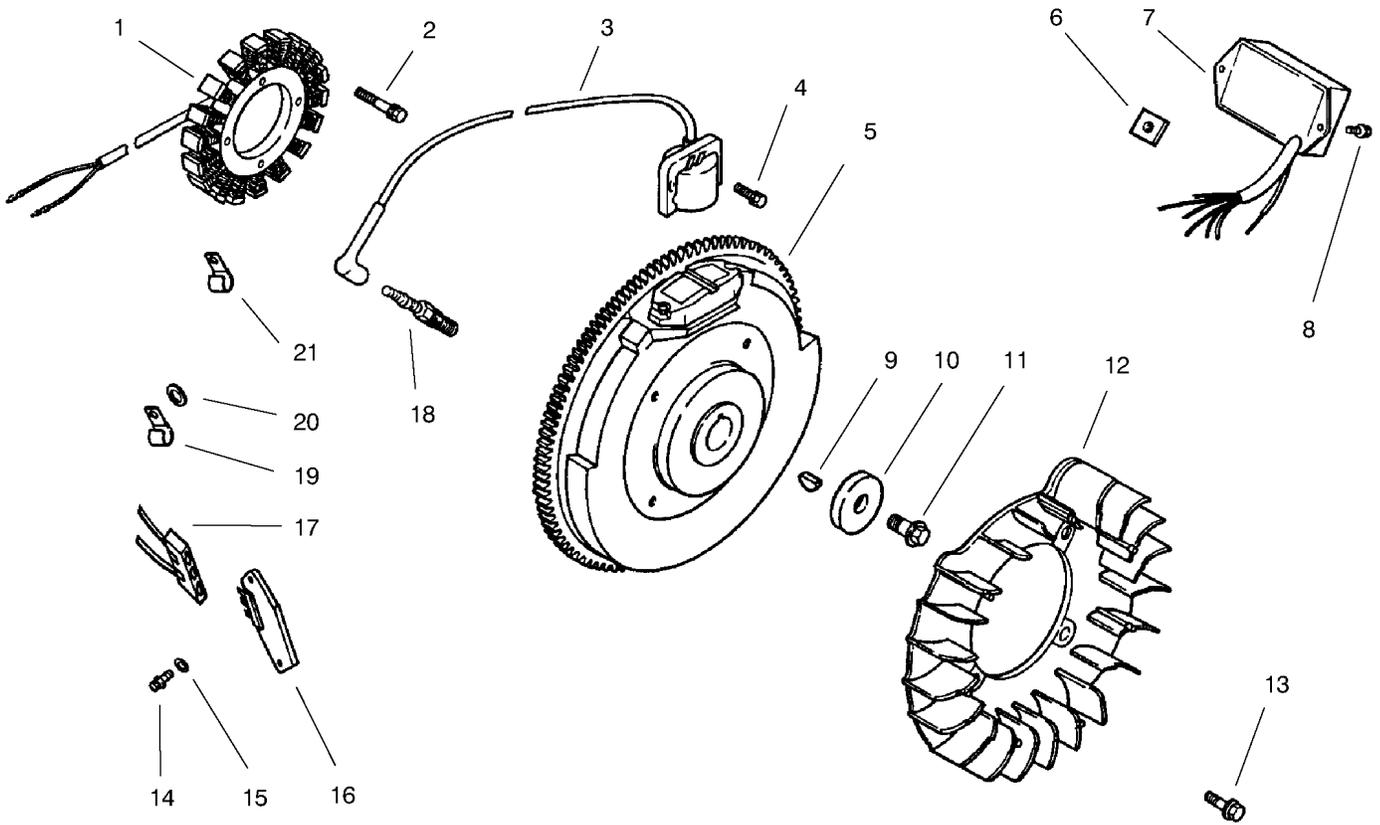
Ref	Part No.	Qty.	Description
①	24 009 82	1	Plate, Closure Assembly (Includes 2-12)
②	24 038 06	1	Dipstick
③	24 123 08	1	Tube-Dipstick
④	24 043 12	1	Kit, Governor Gear (Includes 5)
⑤	12 380 01	1	Pin-Governor
⑥	52 448 02	1	Tab-Locking
⑦	12 144 02	1	Shaft-Gear, Governor
⑧	52 032 08	1	Seal-Oil
⑨	24 153 08	1	O Ring
⑩	24 393 10	1	Oil Pump Assembly (Includes 11,12)
⑪	24 153 01	1	O-Ring
⑫	24 381 04	1	Pick Up-Oil
⑬	M-0631005	2	Washer
⑭	M-0645025	2	Screw
⑮	52 050 02	1	Filter-Oil
⑯	24 136 01	1	Nipple-Filter, Oil
⑰	25 155 02	1	Connector
⑱	X-75-23	1	Plug
⑲	24 086 16	10	Screw
⑳	24 099 03	1	Switch-Pressure

### Group 4-Head/valve/breather

Ref	Part No.	Qty.	Description
①	24 755 74	1	Kit, Valve Cover-Plain (Includes 2-3)
②	24 086 32	4	Screw
③	24 153 16	1	O-Ring
④	24 445 01	1	Strap-Lifting
⑤	12 755 03	4	Retainer Kit
⑥	12 173 01	4	Cap-Spring, Valve
⑦	24 089 02	4	Spring-Valve
⑧	235011	4	Retainer-Spring
⑨	24 032 05	2	Seal-Stem, Valve
⑩	24 318 09	1	Head ASM-#1 Cylinder
⑪	24 017 01	2	Valve-Intake
⑫	24 017 02	2	Valve-Intake (.25)
⑬	24 016 01	2	Valve-Exhaust
⑭	24 016 02	2	Valve-Exhaust (.25)
⑮	24 755 66	1	Kit, Valve Train (Includes 15,18,19)
⑯	12 351 02	4	Lifter-Valve
⑰	24 411 05	4	Rod-Push
⑱	24 041 08	2	Gasket-Cylinder Head
⑲	24 318 10	1	Head ASM-#2 Cylinder
⑳	25 186 01	4	Arm-Rocker
㉑	24 599 01	4	Pivot-Arm, Rocker
㉒	M-0640034	4	Screw

Ref	Part No.	Qty.	Description
㉓	12 086 16	8	Screw
㉔	24 755 75	1	Kit, Valve Cover-Oil Fill (Includes 2,3,23)
㉕	24 153 09	1	O-Ring
㉖	24 755 46	1	Kit, Oil Fill Cap (Includes 25)
㉗	12 153 03	1	"o"ring
㉘	24 402 03	1	Reed
㉙	12 018 01	1	Retainer-Reed
㉚	M-0545010	1	Screw
㉛	24 050 01	1	Filter-Breather
㉜	24 033 01	1	Kit, Breather (Includes 31-33)
㉝	X-75-23	1	Plug
㉞	24 041 23	1	Gasket-Breather
㉟	24 096 02	1	Cover-Breather
㊱	M-0645020	4	Screw
㊲	X-426-9	1	Clamp
㊳	24 326 06	1	Hose-Breather

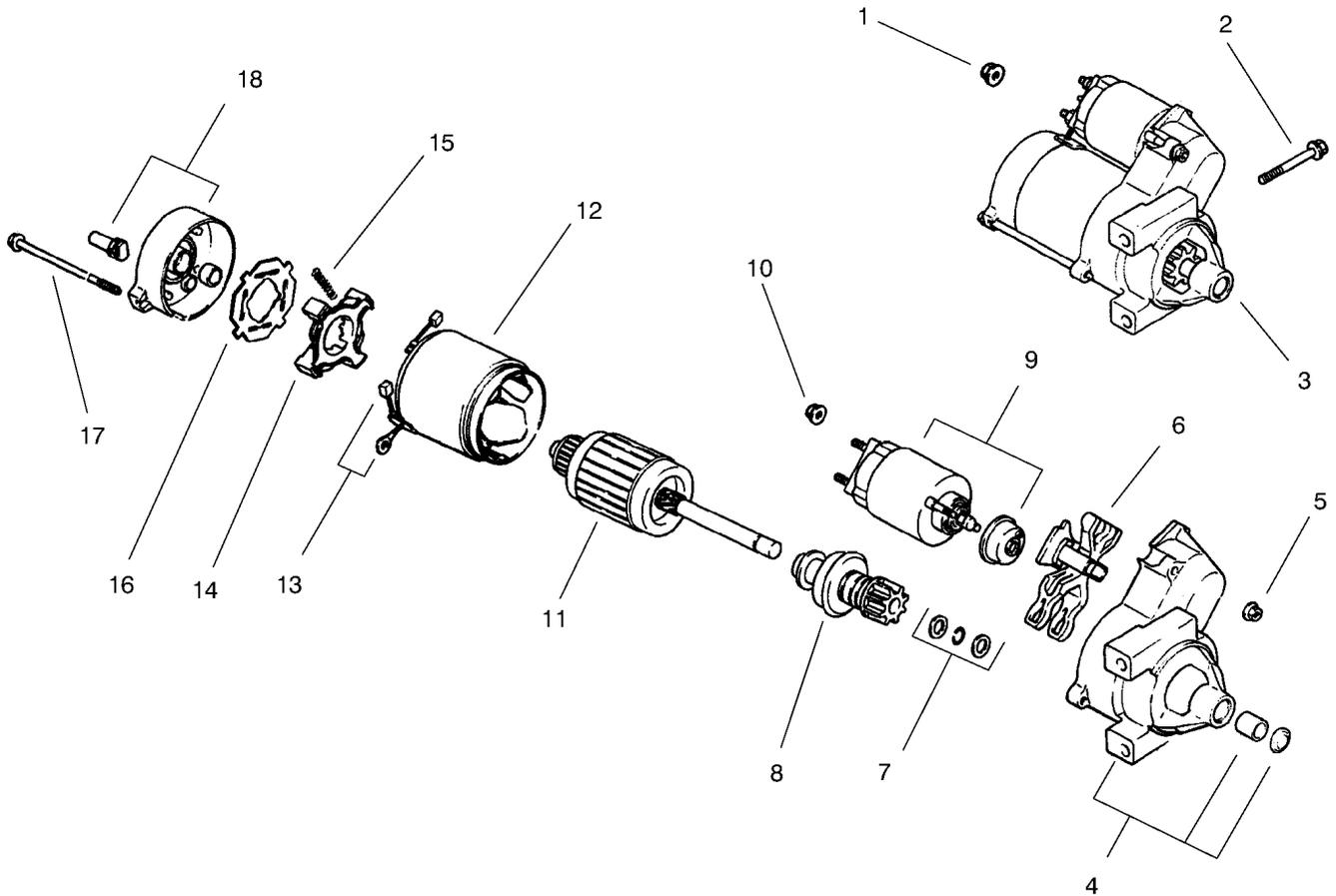


### Group 5-Ignition/electrical

Ref	Part No.	Qty.	Description
②1	54 755 09	1	Kit, 15 Amp Stator (Incl. 24 126 71 Bracket)
②2	M-0548025	2	Screw
②3	24 584 11	2	Module-Ignition
②4	M-0561025	4	Screw-HSH
②5	24 025 02	1	Flywheel
②6	24 100 02	2	Nut-Plastic
②7	24 584 09	1	Module, Speed Adv.
②8	24 086 41	2	Screw
②9	X-42-15	1	Key
②10	12 468 03	1	Washer
②11	12 086 14	1	Screw
②12	24 157 03	1	Fan
②13	25 086 47	4	Bolt-Shoulder
②14	24 086 18	2	Screw
②15	X-25-92	2	Washer
②16	25 403 03	1	Rectifier-Regulator
②17	236602	1	Connector
②18	12 132 02	2	Plug-Spark
②19	47 154 01	1	Clamp
②20	X-25-63	1	Washer
②21	48 154 02	1	Clip
①②	25 518 28	1	Lead-Black
①②	24 176 42	1	Harness, Wiring

Ref	Part No.	Qty.	Description
①②	24 126 71	1	Bracket-Wire, Stator
①②	X-22-11	1	Washer
①②	X-25-63	1	Washer



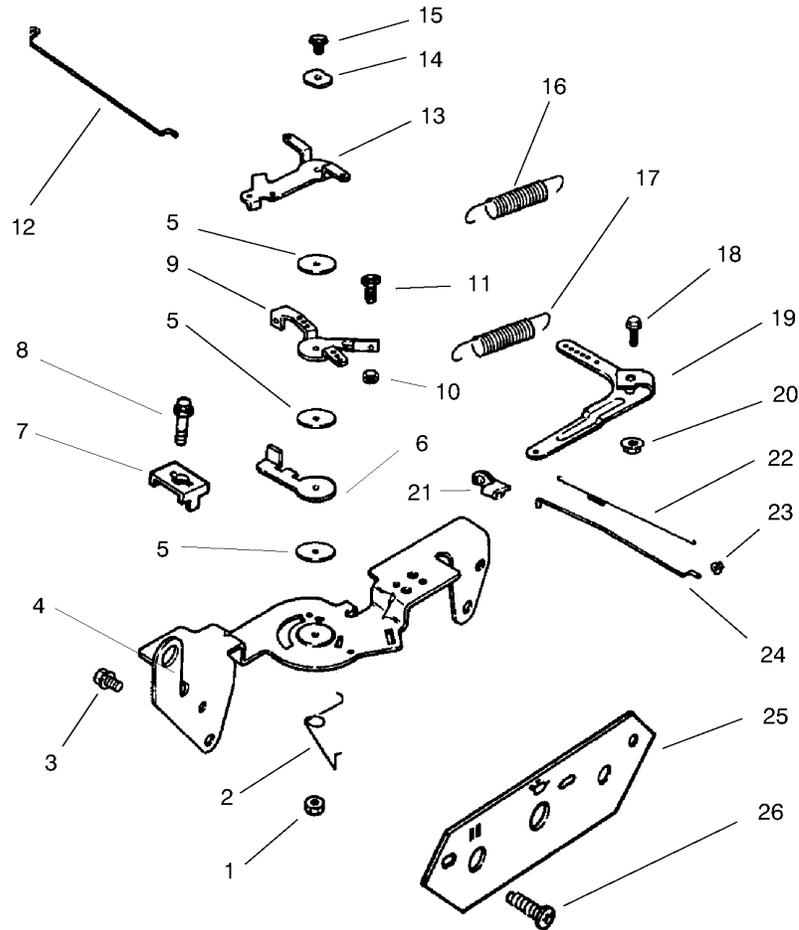


### Group 7-Starting System

Ref	Part No.	Qty.	Description
①	M-0841080	1	Nut
②	M-0839080	2	ScREW
③	24 098 01	1	Starter, Solenoid Shift Assembly (Incl. 4-18)
④	24 081 04	1	Cap-Drive End
⑤	52 100 10	2	Nut
⑥	12 090 10	1	Lever Starter Drive
⑦	24 755 84	1	Washer
⑧	12 239 01	1	Drive Pinion
⑨	52 435 02	1	Solenoid
⑩	52 100 09	1	Nut
⑪	12 170 04	1	Armature-Starter
⑫	12 471 01	1	Frame
⑬	52 221 01	1	Kit, Brush & Spring (Includes 15)
⑭	52 323 03	1	Holder-Brush
⑮	52 089 09	4	Spring Brush
⑯	52 168 01	1	Insulator
⑰	52 211 05	2	Bolt
⑱	24 301 01	1	Commutator-End Cap

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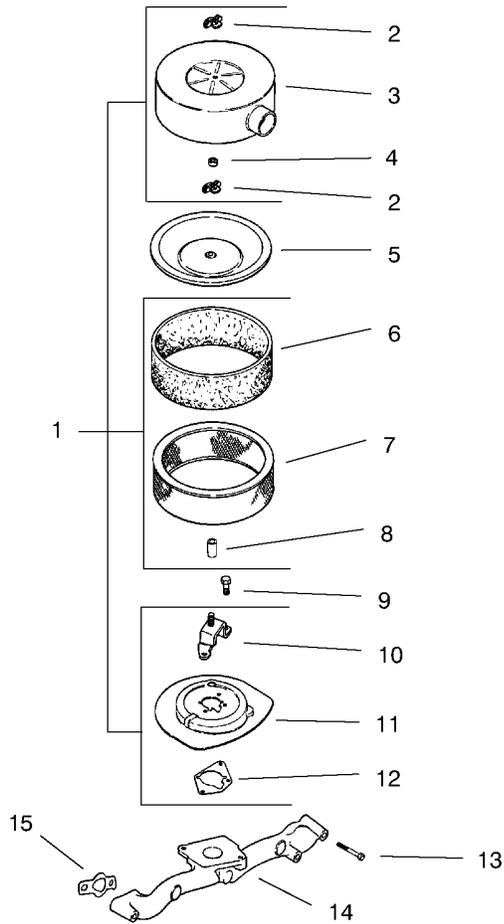




### Group 9-Engine Controls

Ref	Part No.	Qty.	Description
①	M-0547050	1	Nut
②	24 089 03	1	Spring-Choke Return
③	M-0645016	4	Screw
④	24 126 56	1	Bracket-Control
⑤	24 468 01	3	Washer
⑥	24 090 07	1	Lever-Actuator, Throttle
⑦	12 237 01	2	Clamp
⑧	M-0545016	2	Screw-HF
⑨	24 090 03	1	Lever-Throttle Control
⑩	M-0446030	1	Nut
⑪	M-0401030	1	Screw
⑫	24 079 02	1	Linkage-Choke
⑬	24 090 05	1	Lever-Choke
⑭	41 468 03	1	Washer-Wave
⑮	M-0545020	1	Screw
⑯	24 089 38	1	Spring-Throttle Limiter
⑰	24 089 15	1	Carriage Bolt
⑱	SM-0642025	1	Screw
⑲	24 090 14	1	Lever-Govenor
⑳	M-0641060	1	Nut
㉑	25 158 11	1	Bushing-Linkage
㉒	24 089 01	1	Spring-Linkage
㉓	25 158 08	1	Bushing-Linkage
㉔	24 079 01	1	Linkage-Throttle

Ref	Part No.	Qty.	Description
㉕	24 378 01	1	Panel, Control
㉖	24 086 06	1	Screw



### Group 10-Air Intake/filtration

Ref	Part No.	Qty.	Description
21	24 755 21	1	Kit, Air Cleaner Cover (Includes 2-4, 6-8, 10-12 And Decal 24 113 31)
22	12 100 01	1	Wingnut
23	24 096 52	1	Cover, Air Cleaner
24	41 032 02	1	Seal
25	24 096 01	1	Cover-Inner Aircleaner
26	24 083 02	1	Bement-Precleaner
27	47 083 03	1	Bement-Air Cleaner
28	230046	1	Seal
29	M-0639016	3	Screw
210	24 126 22	1	Bracket-Air Cleaner
211	24 094 05	1	Base-Air Cleaner
212	24 041 06	1	Gasket
213	M-0651055	4	Screw
214	24 164 14	1	Manifold
215	24 041 01	2	Gasket-Intake, Manifold
12	24 113 31	1	Decal, Air Cleaner
12	24 048 02	1	Precleaner Assembly



## NOTES

# NOTES

