



17-52ZX TimeCutter™ ZX Riding Mower

Model No. 74701 - 230000001 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.

Contents

Description	Page	Description	Page
Front Frame Assembly	 3	Oil Pan/Lubrication Assembly Kohler CV 490S-27503	 20
Height-of-Cut Handle and Plate Assembly	 4	Head/Valve/Breather Assembly Kohler CV 490S-27503	 21
Main Frame and Seat Assembly	 5	Ignition/Electrical Assembly Kohler CV 490S-27503	 22
Fuel Tank and Control Pod Assembly	 6	Blower Housing And Baffles Assembly Kohler CV 490S-27503	 23
Parking Brake Assembly	 7	Starting System Assembly Kohler CV 490S-27503	 24
Motion Control Assembly	 8	Fuel System Assembly Kohler CV 490S-27503	 25
Hydro and Belt Drive Assembly	 9	Engine Controls Assembly Kohler CV 490S-27503	 26
Engine and Clutch Assembly	 10	Air Intake/Filtration Assembly Kohler CV 490S-27503	 27
Electrical Assembly	 11	Exhaust Assembly Kohler CV 490S-27503	 28
52in Deck Assembly	 12		
52in Deck Belt Drive and Lift Assembly	 13		
RH Hydro Transaxle Assembly No. 107-1708	 14		
LH Hydro Transaxle Assembly No. 107-1709	 16		
Crankshaft Assembly Kohler CV 490S-27503	 18		
Crankcase Assembly Kohler CV 490S-27503	 19		

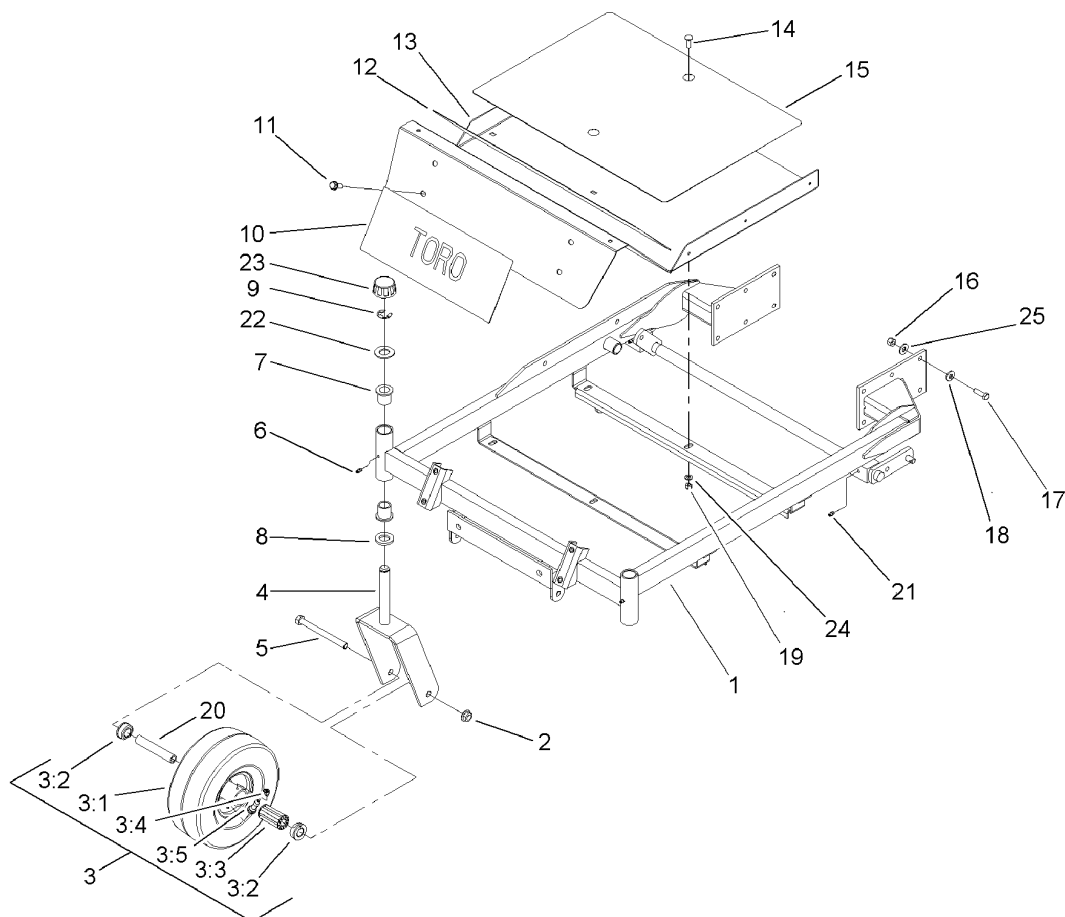
Part Description Abbreviations

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

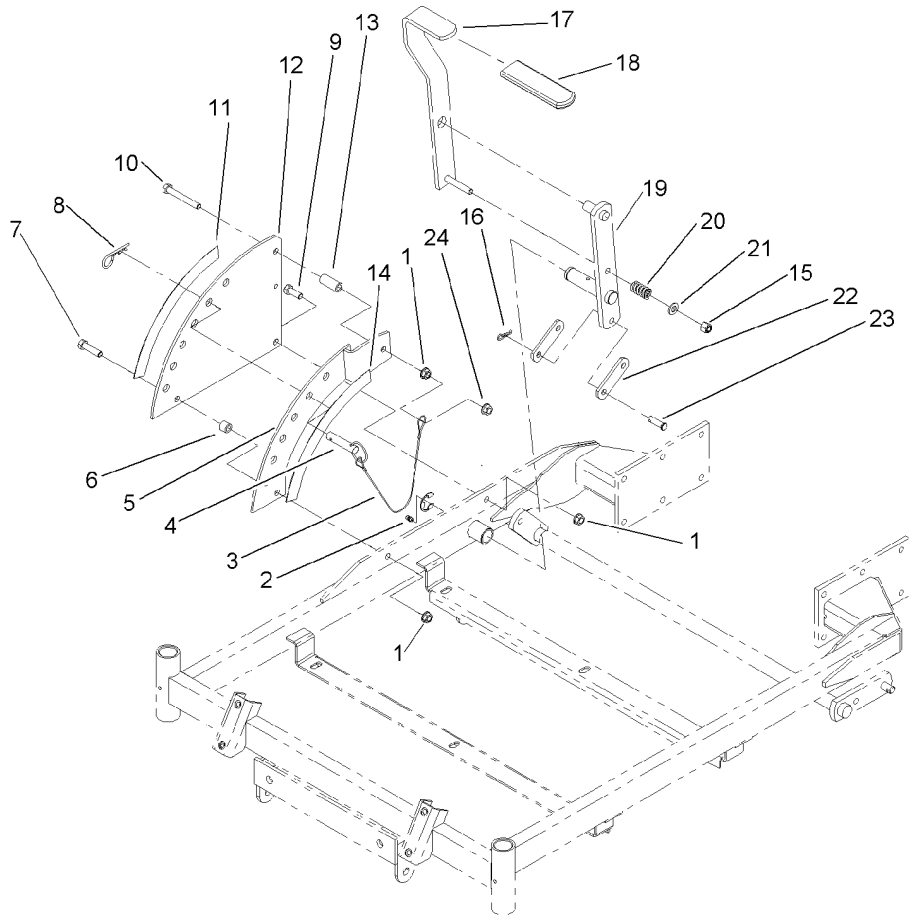
- | | |
|----------------------------|---|
| ❶ Not illustrated | ❷ Not serviced separately |
| ❸ Obtain Parts From Kohler | ❹ Used to attach carburetor ground lead to carburetor baffle. |



Front Frame Assembly

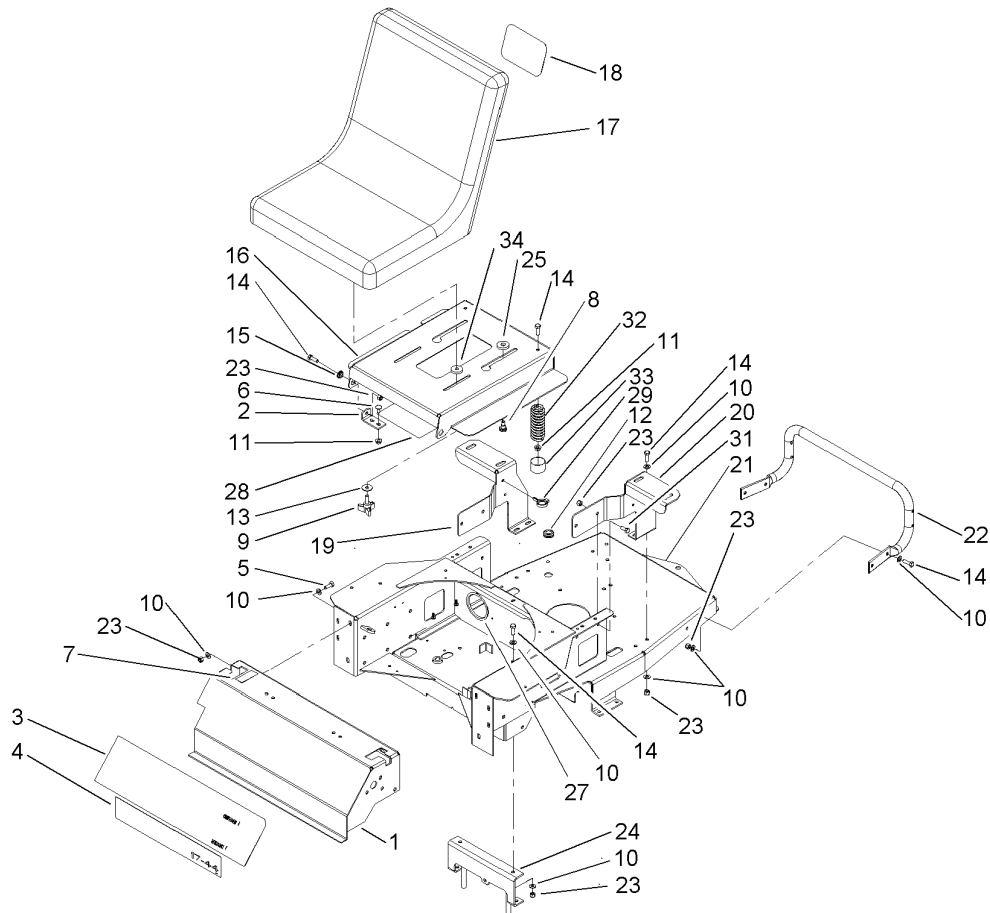
Ref	Part No.	Qty.	Description
1	100-7357-01	1	Carrier Frame ASM
2	32128-23	2	Nut-HF
3	100-7364	2	Caster Wheel ASM
3:1	105-1943	1	Tire
3:2	62-5580	2	Bearing-Outside
3:3	83-4740	1	Bearing
3:4	302-11	1	Fitting-Lube, 45 DEG
3:5	232-27	1	Stem-Valve
4	100-7363-01	2	Caster Fork ASM
5	325-22	2	Screw-HH
6	302-5	2	Fitting-Grease
7	1-303514	4	Bearing-Flanged
8	1-513338	2	Washer-Flat
9	32151-103	2	Ring-Snap
10	67-7320	1	Decal
11	66-9300	4	Screw-HF
12	104-3639	1	Pad-Skid, Anti
13	100-7386-03	1	Floorpan
14	3230-28	6	Screw-CARR
15	104-3640	1	Pad-Skid, Anti
16	3296-39	12	Nut-Lock, NI
17	323-7	12	Screw-HH
18	98-5975	12	Washer-Belleville
19	3296-29	6	Nut-Lock, NI

Ref	Part No.	Qty.	Description
20	104-3667	2	Spanner-Wheel
21	302-19	2	Fitting-Grease
22	104-8076	2	Washer
23	61-9780	2	Cap-Hub
24	3256-23	6	Washer-Flat
25	1-809107	12	Washer-Hardened



Height-of-Cut Handle and Plate Assembly

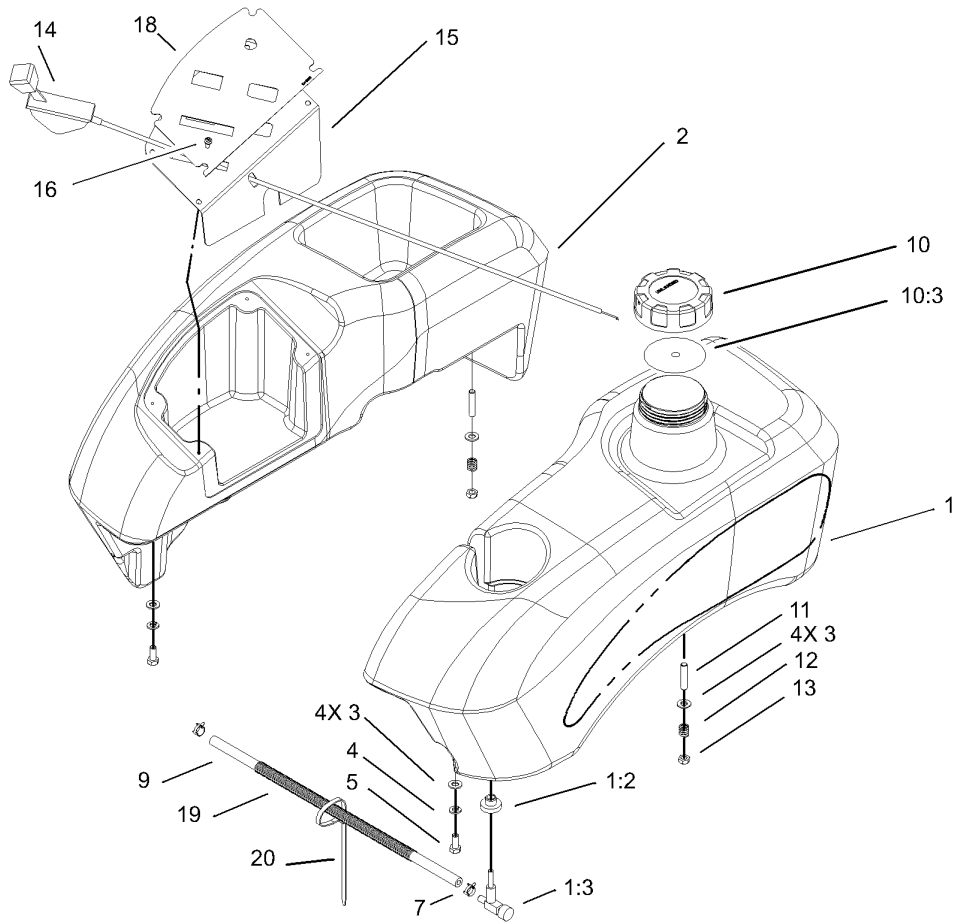
Ref	Part No.	Qty.	Description				
1	3290-357	3	Nut-HHF, Whiz				
2	32151-103	1	Ring-Snap				
3	302-5	1	Fitting-Grease				
4	104-3678	1	Pin-Hitch				
5	100-7335-01	1	Plate-Lift				
6	1-413088	1	Bushing-Lever, Lift				
7	323-8	1	Screw-HH				
8	1-806005	1	Pin-Hair				
9	323-6	1	Screw-HH				
10	323-13	1	Screw-HH				
11	104-3641	1	Decal-Deck Height, Outer				
12	100-7384-01	1	Plate-Deck Lift				
13	1-633082	1	Bushing-Lever, Lift				
14	104-8032	1	Decal-Deck Height, Inner				
15	3296-39	1	Nut-Lock, NI				
16	1-806003	2	Pin-Hair				
17	1-652023-03	1	Lever-Lift				
18	1-633295	1	Grip-Lever, Lift				
19	1-652027-03	1	Arm-Deck, Lift				
20	1-633325	1	Spring-Compression				
21	3256-24	1	Washer-Flat				
22	1-633068	2	Arm-Lift, Deck				
23	283-2	2	Pin-Clevis				
24	32128-21	1	Nut-HF				



Main Frame and Seat Assembly

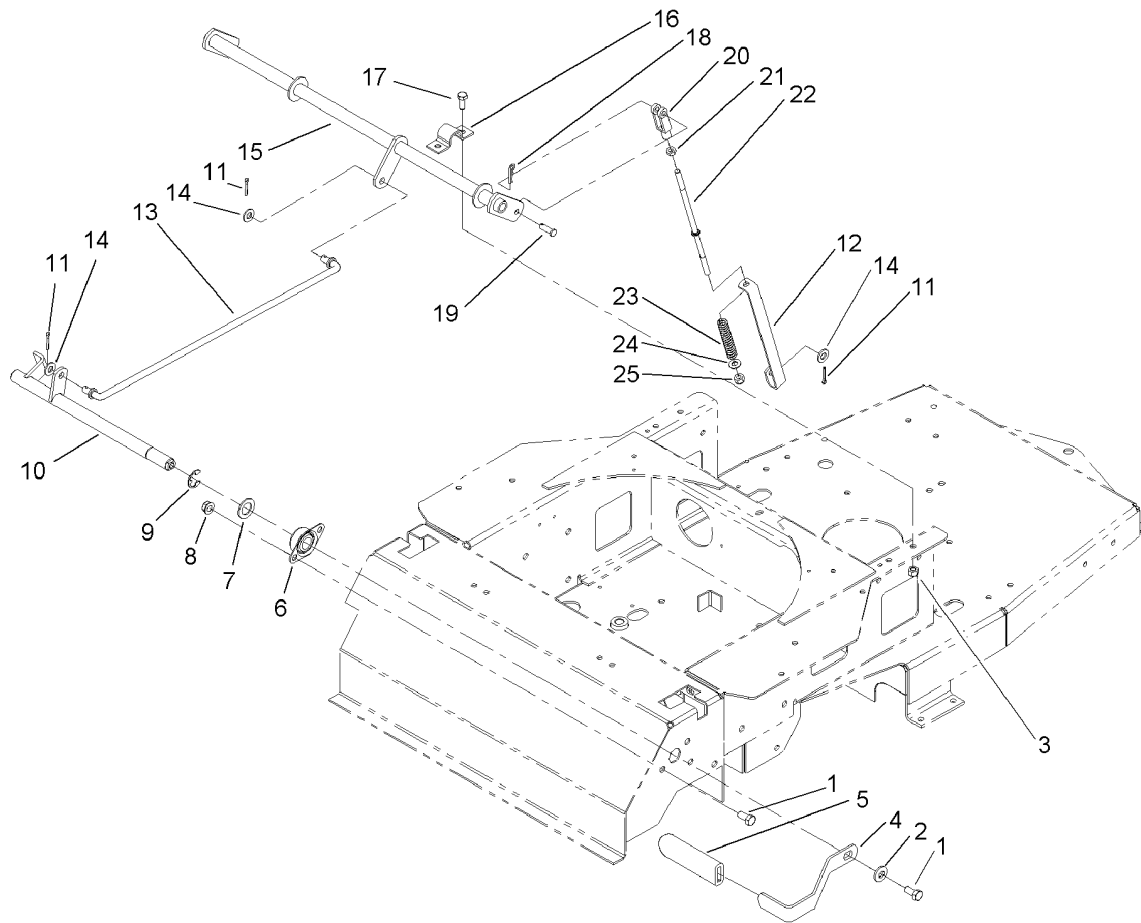
Ref	Part No.	Qty.	Description
1	104-8040-03	1	Console
2	104-8057-03	2	Bracket-Pivot
3	104-8014	1	Decal-Console
4	106-2207	1	Decal
5	322-4	6	Screw-HH
6	104-8049	4	Screw-CARR
7	1-633354	2	Decal-Control, Motion
8	92-6986	2	Bolt-Shoulder
9	106-2240	2	Knob
10	3256-23	32	Washer-Flat
11	32128-25	6	Nut-HF
12	237-124	1	Grommet
13	5-4460	2	Washer-Pivot
14	322-5	14	Screw-HH
15	105503	2	Bushing
16	104-8058-03	1	Pan-Seat
17	106-2221	1	Seat
18	93-7340	1	Decal
19	100-7376-01	1	Bracket-RH
20	100-7368-01	1	Bracket-LH
21	105-7018-01	1	Frame-Rear
22	100-7332-03	1	Rod-Support, Rear
23	3296-29	22	Nut-Lock, NI
24	105-6987-03	1	Bracket

Ref	Part No.	Qty.	Description
25	92-6750	2	Spacer-Nylon
27	105-1854	1	Cover-Conduit
28	104-8088	1	Decal-Service
29	105-1853	2	Clamp-Hose
31	322-3	4	Screw-HH
32	92-7054	2	Spring-Compression
33	701178	2	Cap-Protector
34	109989	2	Spacer-Nylon



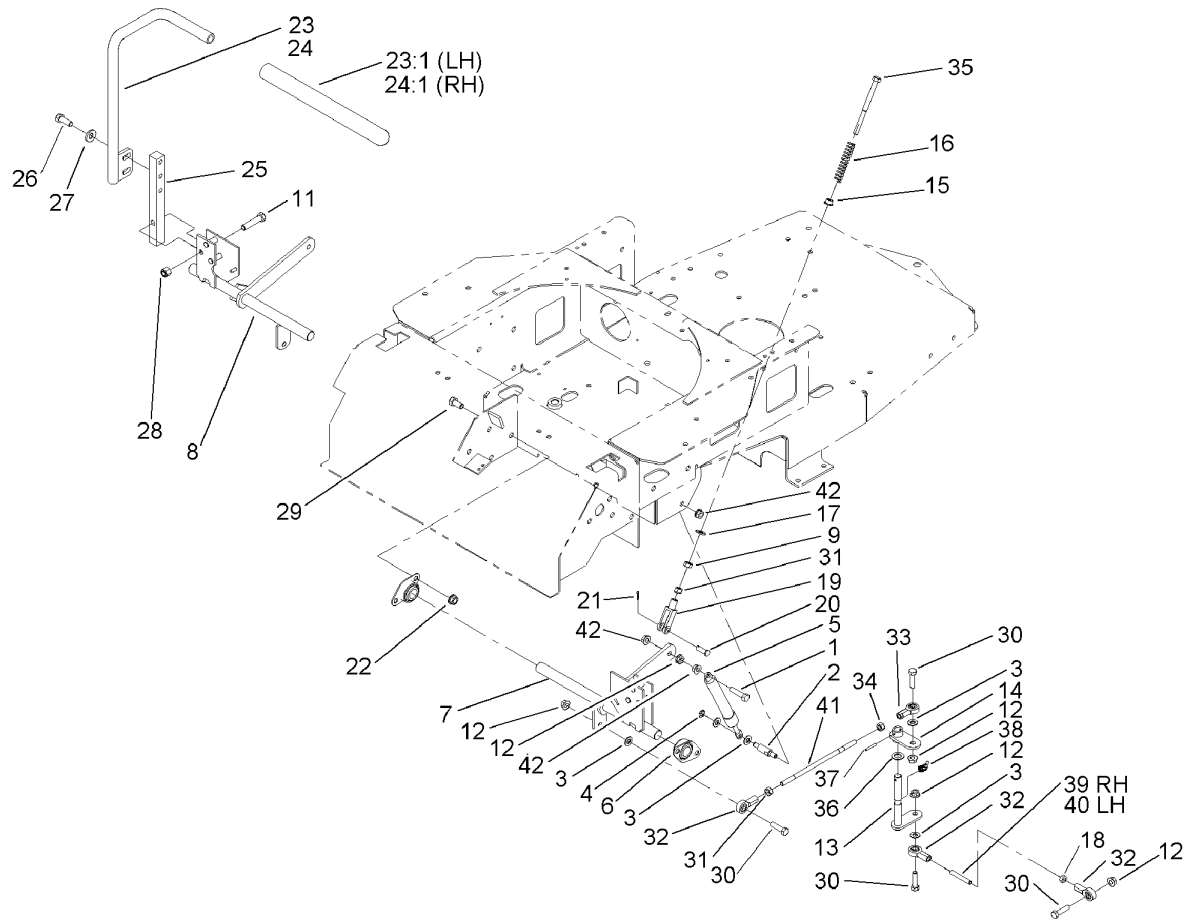
Fuel Tank and Control Pod Assembly

Ref	Part No.	Qty.	Description				
1	105-3494	1	Fuel Tank ASM				
1:2	46-6560	1	Bushing				
1:3	104048	1	Valve-Fuel				
2	105-1918	1	Tank-Console				
3	3256-23	8	Washer-Flat				
4	3253-4	4	Washer-Lock				
5	322-3	4	Screw-HH				
7	2412-98	2	Clamp				
9	104-8010	1	Hose-Fuel				
10	88-3980	1	Gas Cap ASM				
10:3	88-4010	1	Gasket-Cap, Gas				
11	1-633023	4	Stud				
12	1-633349	4	Spring-Tank, Fuel				
13	3296-47	4	Nut-Lock, NI				
14	104-8007	1	Cable-Throttle				
15	104-3664-03	1	Panel-Control				
16	3250-14	4	Screw-PPH				
18	104-8009	1	Decal-Panel, Control				
19	105-1854	1	Cover-Conduit				
20	614249	1	Strap-Tie				



Parking Brake Assembly

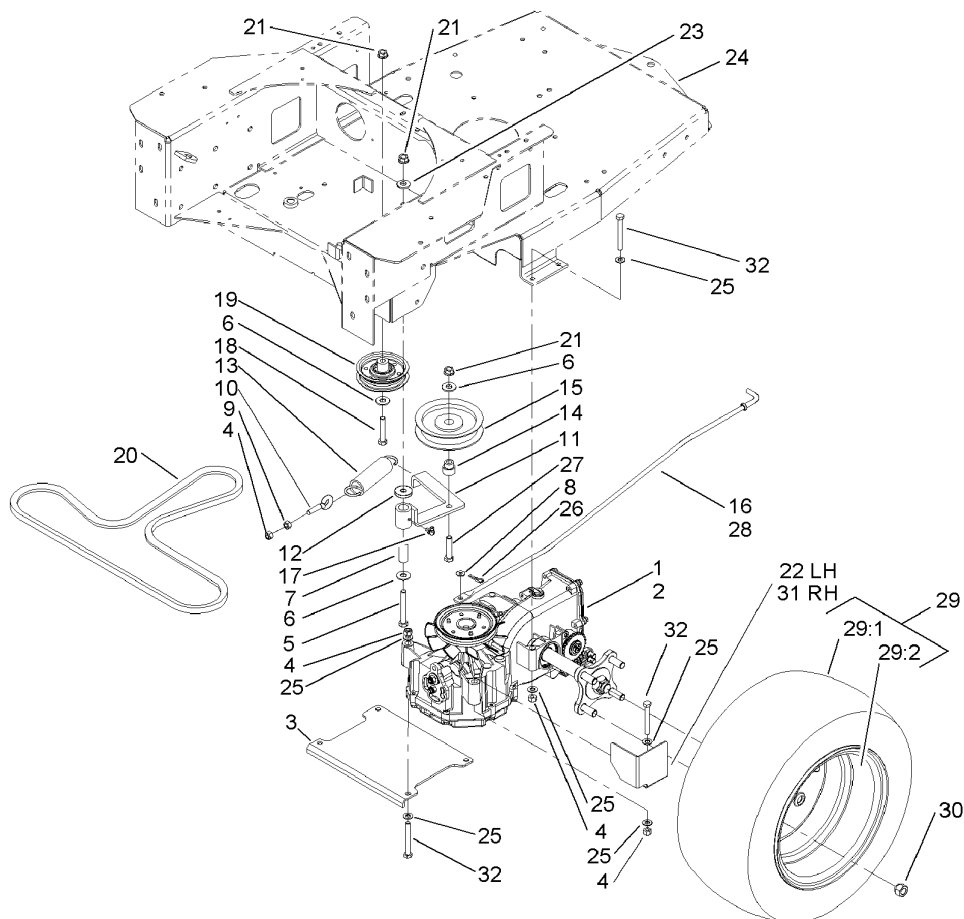
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	323-4	5	Screw-HH	25	3296-4	2	Nut-Lock
2	98-5975	1	Washer-Belleville				
3	3296-29	4	Nut-Lock, NI				
4	100-7346-03	1	Handle-Brake, Park				
5	1-633268	1	Grip-Lever, Brake				
6	1-633102	2	Bearing-Flange, Side				
7	1-303007	1	Washer				
8	3290-357	4	Nut-HHF, Whiz				
9	32151-48	1	E-Ring				
10	100-7318	1	Brake Shaft ASM				
11	3272-10	4	Pin-Cotter				
12	104-3675	2	Bracket-Spring, Brake				
13	104-8046	1	Rod-Brake, Upper				
14	3256-24	4	Washer-Flat				
15	104-3670-03	1	Shaft-Brake				
16	88-4730	2	Clamp-Pivot, HOC				
17	322-3	4	Screw-HH				
18	1-806003	2	Pin-Hair				
19	1-808280	2	Pin-Clevis				
20	1-303105	2	Yoke-Adjustable				
21	3219-2	2	Nut-Hex				
22	104-3674	2	Rod-Brake, Upper				
23	38-4520	2	Spring				
24	3256-23	2	Washer-Flat				



Motion Control Assembly

Ref	Part No.	Qty.	Description
1	1-403180	2	Screw-HH
2	1-653316	2	Pin-Damper
3	3256-23	10	Washer-Flat
4	32120-35	2	Ring-Retaining, EXT
5	103-2913	2	Damper-Control, Motion
6	1-633102	4	Bearing-Flange, Side
7	100-7341	1	Bracket-Motion Control, LH
8	100-7340	1	Bracket-Motion Control, RH
9	3296-4	2	Nut-Lock
11	323-9	2	Screw-HH
12	32128-20	10	Nut-HF
13	100-7311	2	Pivot ASM
14	100-7313	2	Pivot Plate ASM
15	1-603735	2	Bushing-Flanged
16	1-603807	2	Spring-Return, Neutral
17	3256-2	2	Washer-Flat
18	3220-2	2	Nut-Jam
19	1-303105	2	Yoke-Adjustable
20	1-808280	2	Pin-Clevis
21	3272-5	2	Pin-Cotter
22	3290-357	6	Nut-HHF, Whiz
23	103-0631	1	LH Lever ASM
23:1	1-633257	1	Grip-Control, Motion
24	103-0632	1	RH Lever ASM

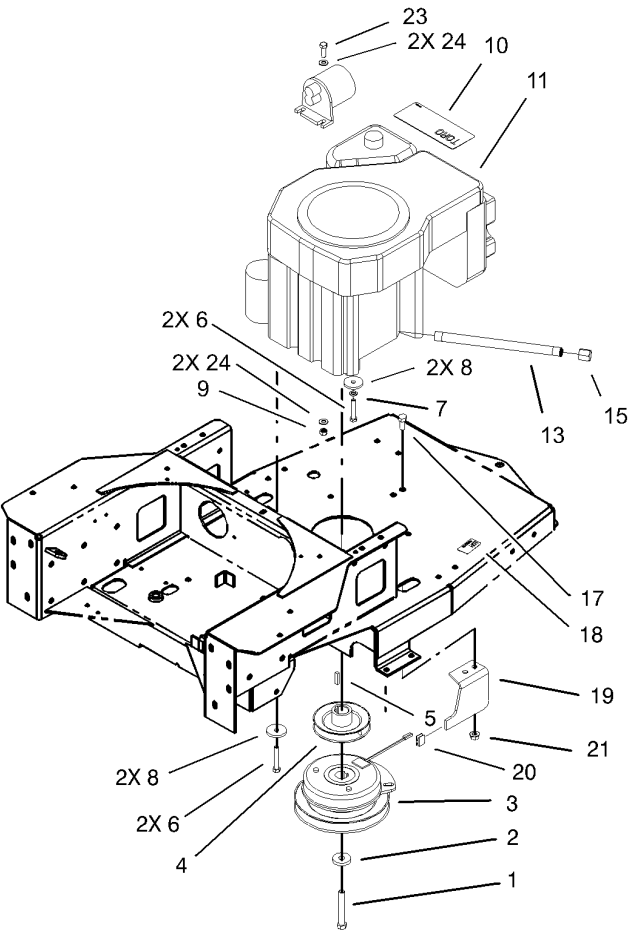
Ref	Part No.	Qty.	Description
24:1	1-633257	1	Grip-Control, Motion
25	103-0407	2	Arm-Shaft, Control
26	323-6	4	Screw-HH
27	98-5975	4	Washer-Belleville
28	3296-39	2	Nut-Lock, NI
29	323-4	6	Screw-HH
30	322-5	8	Screw-HH
31	3219-2	4	Nut-Hex
32	1-543017	6	Balljoint-RH
33	1-633152	2	Balljoint-LH
34	1-804524	2	Nut
35	1-603737	2	Bolt-Return, Neutral
36	100-7336	2	Washer
37	933156	2	Pin-Roll
38	302-11	2	Fitting-Lube, 45 DEG
39	104-3606	1	Linkage-Lower, RH
40	104-3607	1	Linkage-Lower, LH
41	104-3605	2	Linkage-Upper
42	32128-25	6	Nut-HF



Hydro and Belt Drive Assembly

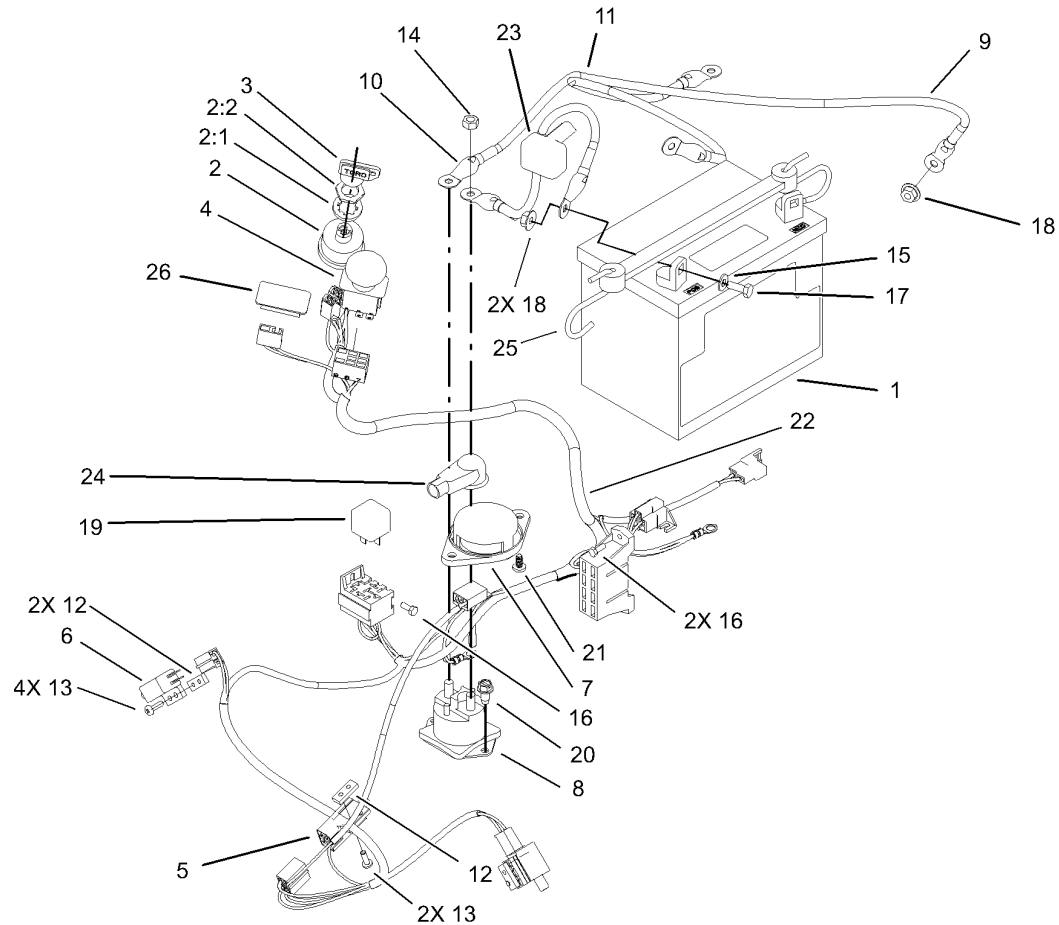
Ref	Part No.	Qty.	Description
1	107-1709	1	Hydro-LH
2	107-1708	1	Hydro-RH
3	100-7317-03	1	Plate-Hydro, Lower
4	3296-29	13	Nut-Lock, NI
5	323-13	1	Screw-HH
6	3256-4	3	Washer-Flat
7	1-603044	1	Bushing
8	3256-1	2	Washer-Flat
9	32128-20	1	Nut-HF
10	55-9420	1	Bolt-Eye
11	104-3614	1	Idler Arm ASM
11:2	1-513034	2	Sleeve-Bearing
12	104-8005	1	Spacer
13	1-603414	1	Spring-Extension
14	1-603496	1	Bushing-Idler
15	1-603843	1	Pulley-Idler
16	104-3668	1	Rod-RH
17	302-40	1	Fitting-Grease
18	323-10	1	Screw-HH
19	104-3630	1	Pulley-Idler
20	104-3622	1	Belt-V
21	32128-21	3	Nut-HF
22	104-8033-03	1	Guard-Fan, LH
23	98-5975	1	Washer-Belleville

Ref	Part No.	Qty.	Description
24	104-8008	1	Decal-Transport
25	3256-23	24	Washer-Flat
26	1-806003	2	Pin-Hair
27	323-9	1	Screw-HH
28	104-3669	1	Rod-LH
29		2	Wheel And Tire ASM
29:1	105-1945	1	Tire
29:2	105-1947	1	Wheel
29:3	232-27	1	Stem-Valve
30	242-50	8	Nut-Lug
31	104-8013-03	1	Guard-Fan, RH
32	322-13	12	Screw-HH



Engine and Clutch Assembly

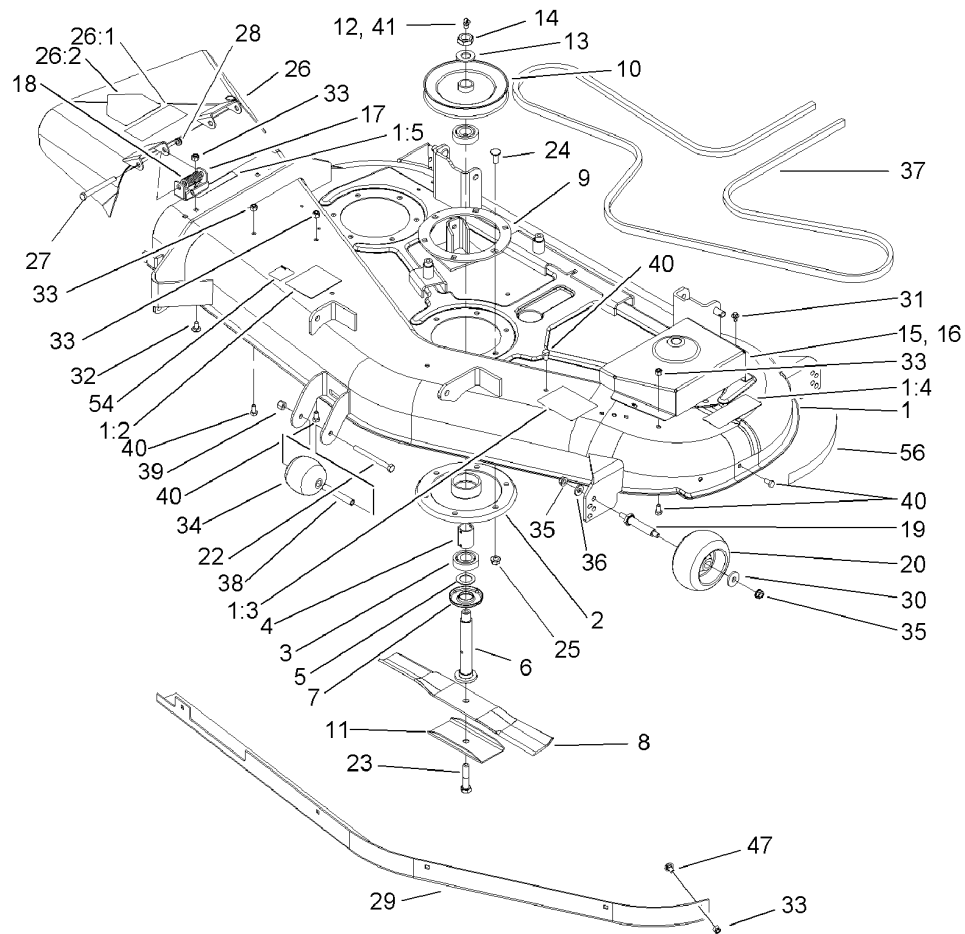
Ref	Part No.	Qty.	Description				
1	3212-12	1	Screw-HH				
2	112843	1	Washer				
3	104-3624	1	Clutch				
4	100-7314	1	Pump Drive Pulley ASM				
5	5-7280	1	Key				
6	33114-030	4	Screw-HH				
7	3253-4	4	Washer-Lock				
8	62-7190	4	Spacer-Steel				
9	3296-29	2	Nut-Lock, NI				
10	105-7034	1	Decal-Engine, Kohler				
11		1	Engine-Kohler, Cv490S-27503				
13	104-8018	1	Nipple-Pipe				
15	288-10	1	Cap-Pipe				
17	323-4	2	Screw-HH				
18	65-2690	1	Decal-Surface, Hot				
19	104-3613-03	1	Stop-Clutch				
20	98-5023	1	Bumper				
21	32128-21	2	Nut-HF				
23	322-5	2	Screw-HH				
24	3256-23	4	Washer-Flat				



Electrical Assembly

Ref	Part No.	Qty.	Description
1	104-2491	1	Battery-Dry
2	88-9830	1	Key Switch ASM
2:1	3254-5	1	Washer-Tooth
2:2	218-461	1	Nut-HH
3	63-8360	1	Key-Ignition
4	95-7489	1	Switch-PTO
5	86-4690	1	Switch-Interlock
6	65-7410	2	Switch-Pole, Single
7	105-6959	1	Switch-Seat
8	28-4210	1	Solenoid
9	28-3891	1	Wire-Solenoid/Starter
10	93-1189	1	Wire ASM
11	93-0324	1	Cable
12	1-633181	3	Plate-Tapped
13	32144-8	6	Screw-PPHTF
14	32149-1	2	Nut-Keps
15	3256-22	2	Washer-Flat
16	32144-1	3	Screw-Taptite
17	321-4	2	Screw-HH
18	32128-33	3	Nut-HF
19	98-7249	1	Relay
20	46-8560	2	Screw-HHF
21	105-6968	2	Screw-Seat, Switch
22	104-3686	1	Harness-Wire Kohler

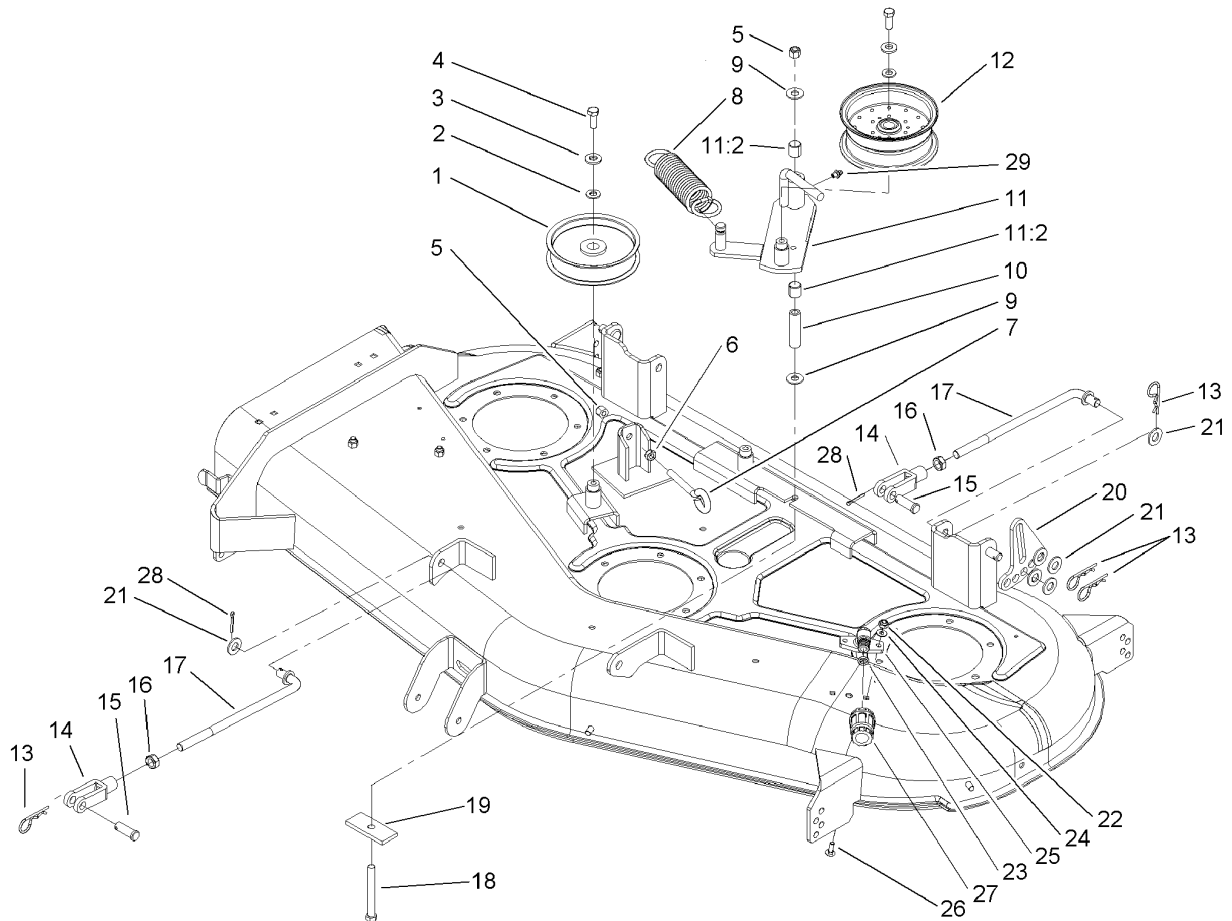
Ref	Part No.	Qty.	Description
●22:1	109102	1	Fuse-25 Amp
●22:2	109103	1	Fuse-30 Amp
23	28-8080	1	Boot-Terminal
24	93-3190	1	Boot-Insulator, Terminal
25	104-2466	1	Holddown-Battery
26	99-7420	1	Plug-Hole



52in Deck Assembly

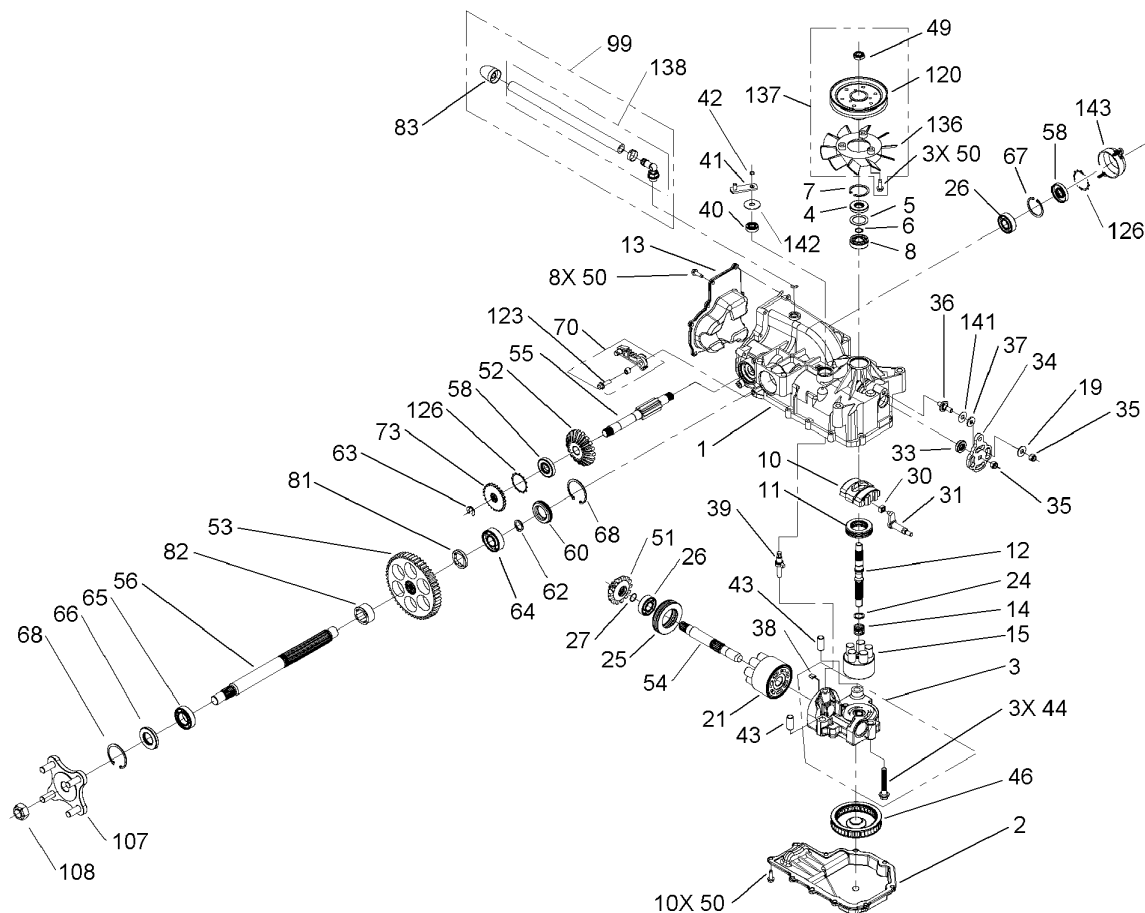
Ref	Part No.	Qty.	Description
1	106-7000	1	Deck ASM
1:2	99-3943	1	Decal-Routing, Belt
1:3	98-3798	1	Decal-Wheel, Gage
1:4	92-7108	1	Decal-Danger
1:5	92-7109	1	Decal-Caution
2	79-2480-03	3	Housing-Spindle
3	113514	6	Bearing-Ball
4	79-1890	3	Spacer-Bearing
5	120860	3	Washer-Wheel
6	79-1910	3	Shaft-Spindle
7	79-1920	3	Shield-Bearing
8	27-0990-03	3	Blade-18 Inch
9	27-7680-01	3	Ring-Deck Support
10	100-7320	3	Pulley/Hub ASM
11	92-9820	3	Stiffener-Blade
12	302-2	2	Fitting-Grease
13	3256-28	3	Washer-Flat
14	3220-7	3	Nut-Jam
15	104-3685-01	1	Cover-Belt, LH
16	104-3684-01	1	Cover-Belt, RH
17	29-5590-03	2	Bracket-Pivot
18	40-6230	2	Spring
19	99-2842	4	Spacer
20	68-2730	4	Wheel-Gage

Ref	Part No.	Qty.	Description
22	323-16	1	Screw-HH
23	44-2200	3	Screw-Blade
24	3231-22	18	Screw-CARR
25	32128-21	18	Nut-HF
26	94-1580	1	Deflector ASM
26:1	92-7108	1	Decal-Danger
26:2	93-1122	1	Decal-Danger
27	3211-15	2	Screw-HH
28	3296-5	2	Nut-Lock
29	67-2150-01	1	Baffle
30	1-373034	4	Washer
31	46-8560	5	Screw-HHF
32	3230-18	4	Screw-CARR
33	3296-29	16	Nut-Lock, NI
34	29-4820	1	Roller
35	3290-357	8	Nut-HHF, Whiz
36	98-5975	4	Washer-Belleville
37	99-3904	1	Belt-Deck
38	94-2500	1	Tube-Spacer, Wheel
39	3296-39	1	Nut-Lock, NI
40	322-2	7	Screw-HH
41	302-33	1	Fitting-Grease



52in Deck Belt Drive and Lift Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	1-613098	2	Pulley-Idler	24	3256-1	2	Washer-Flat
2	3256-24	3	Washer-Flat	25	95-2747	1	Fitting-Washout
3	98-5975	3	Washer-Belleville	26	3229-1	2	Screw-CARR
4	323-6	3	Screw-HH	27	95-3270	1	Connector-Hose
5	3296-39	2	Nut-Lock, NI	28	3272-10	4	Pin-Cotter
6	3217-7	1	Nut-Hex	29	302-19	1	Fitting-Grease
7	94-2547	1	Bolt-Eye				
8	1-633151	1	Spring-Extension				
9	1-809107	2	Washer-Hardened				
10	1-603384	1	Bushing-Pivot, Idler				
11	99-3879	1	Idler Arm ASM				
11:2	1-513034	2	Sleeve-Bearing				
12	1-413099	1	Pulley-Idler				
13	1-806005	8	Pin-Hair				
14	100-7338	4	Clevis				
15	104-3634	4	Pin-Clevis				
16	3220-5	4	Nut-Jam				
17	104-8047	4	Rod-Trunion				
18	1-800805	1	Screw-HH				
19	104-8037-01	1	Plate-Bolt, Retainer				
20	104-3699-01	2	Link-HOC, Adjusting				
21	3256-26	12	Washer-Flat				
22	3296-16	2	Nut-Lock, NI				
23	46-6290	1	O-Ring				

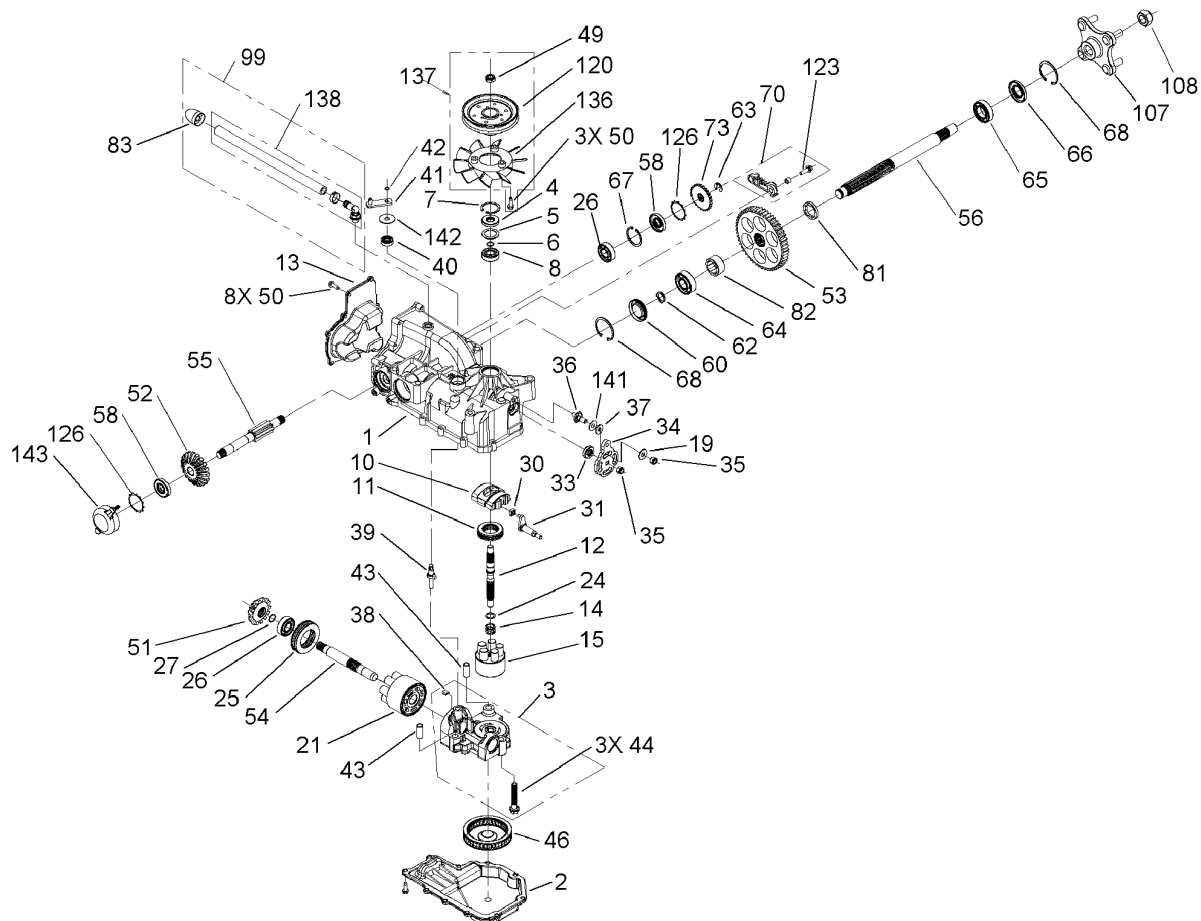


RH Hydro Transaxle Assembly No. 107-1708

Ref	Part No.	Qty.	Description
1	107-1700	1	Main Housing Kit
2	105-1868	1	Housing-Lower
3	105-1869	1	Center Section Kit ASM
4	92-6543	1	Seal-Lip
5	104-2104	1	Spacer
6	94-1902	1	Ring-Wire, Retaining
7	94-1903	1	Ring-Retaining
8	94-1904	1	Bearing-Shaft, Ball
10	94-1907	1	Swashplate-Variable
11	94-6922	1	Bearing-Thrust
12	104-5067	1	Shaft-Input
13	105-1870	1	Cover-Back
14	94-1936	1	Spring-Block
15	104-2106	1	Cylinder Block ASM
19	5-4460	1	Washer-Pivot
21	94-1913	1	Cylinder Block ASM
24	94-1937	1	Washer-Block, Thrust
25	94-6923	1	Bearing-Thrust
26	104-5311	2	Bearing-Ball
27	104-5307	1	Ring-Retaining
30	94-1910	1	Guide-Slot
31	104-2112	1	Trunnion ASM
33	92-6544	1	Seal-Lip
34	105-1871	1	Arm-Control

Ref	Part No.	Qty.	Description
35	105-1872	2	Nut
36	104-2116	1	Stud
37	105-1873	1	Puck-Friction
38	94-6925	1	Plate-Bypass
39	94-1914	1	Actuator-Bypass
40	92-6545	1	Seal-Lip
41	104-2117	1	Arm-Bypass
42	936109	1	Ring-Retaining
43	94-1927	2	Pin
44	94-6926	3	Bolt
46	105-1874	1	Filter
49	105-1875	1	Nut-Lock
50	104-2120	21	Screw
51	105-1876	1	Gear-Bevel, 14T
52	105-1877	1	Gear-Bevel, 19T
53	105-1878	1	Gear-Bevel, 53T
54	105-1879	1	Shaft-Motor
55	105-1880	1	Shaft-Brake
56	105-1881	1	Shaft-Axle
58	104-5310	2	Seal-Lip
60	105-1882	1	Plug-Side Seal
62	105-1883	1	Ring-Axle, Retaining
63	105-1884	1	Ring-Retaining
64	105-1885	1	Bearing-Ball

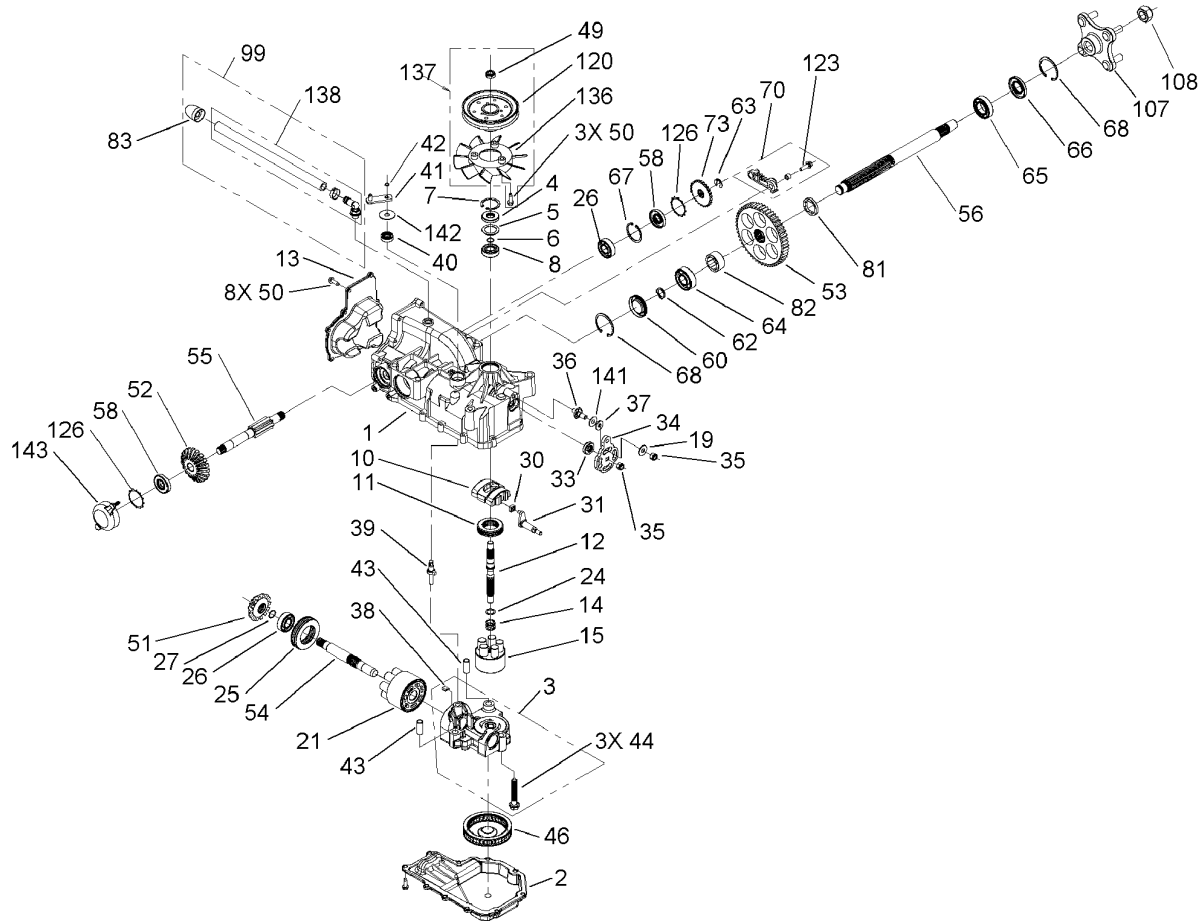




LH Hydro Transaxle Assembly No. 107-1709

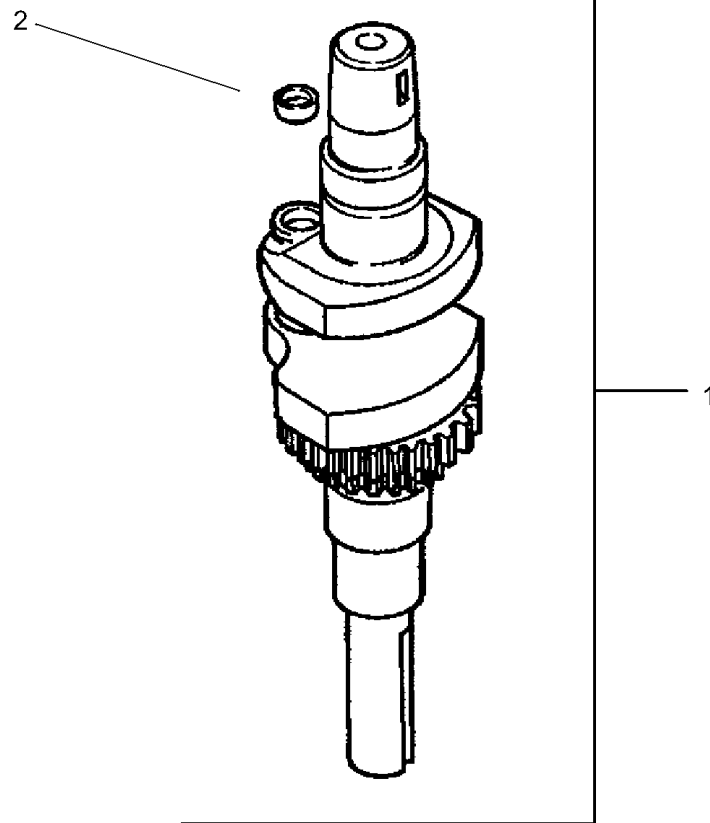
Ref	Part No.	Qty.	Description
1	107-1700	1	Main Housing Kit
2	105-1868	1	Housing-Lower
3	105-1869	1	Center Section Kit ASM
4	92-6543	1	Seal-Lip
5	104-2104	1	Spacer
6	94-1902	1	Ring-Wire, Retaining
7	94-1903	1	Ring-Retaining
8	94-1904	1	Bearing-Shaft, Ball
10	94-1907	1	Swashplate-Variable
11	94-6922	1	Bearing-Thrust
12	104-5067	1	Shaft-Input
13	105-1870	1	Cover-Back
14	94-1936	1	Spring-Block
15	104-2106	1	Cylinder Block ASM
19	5-4460	1	Washer-Pivot
21	94-1913	1	Cylinder Block ASM
24	94-1937	1	Washer-Block, Thrust
25	94-6923	1	Bearing-Thrust
26	104-5311	2	Bearing-Ball
27	104-5307	1	Ring-Retaining
30	94-1910	1	Guide-Slot
31	104-2112	1	Trunnion ASM
33	92-6544	1	Seal-Lip
34	105-1871	1	Arm-Control

Ref	Part No.	Qty.	Description
35	105-1872	2	Nut
36	104-2116	1	Stud
37	105-1873	1	Puck-Friction
38	94-6925	1	Plate-Bypass
39	94-1914	1	Actuator-Bypass
40	92-6545	1	Seal-Lip
41	104-2117	1	Arm-Bypass
42	936109	1	Ring-Retaining
43	94-1927	2	Pin
44	94-6926	3	Bolt
46	105-1874	1	Filter
49	105-1875	1	Nut-Lock
50	104-2120	21	Screw
51	105-1876	1	Gear-Bevel, 14T
52	105-1877	1	Gear-Bevel, 19T
53	105-1878	1	Gear-Bevel, 53T
54	105-1879	1	Shaft-Motor
55	105-1880	1	Shaft-Brake
56	105-1881	1	Shaft-Axle
58	104-5310	2	Seal-Lip
60	105-1882	1	Plug-Side Seal
62	105-1883	1	Ring-Axle, Retaining
63	105-1884	1	Ring-Retaining
64	105-1885	1	Bearing-Ball



LH Hydro Transaxle Assembly No. 107-1709 (continued)

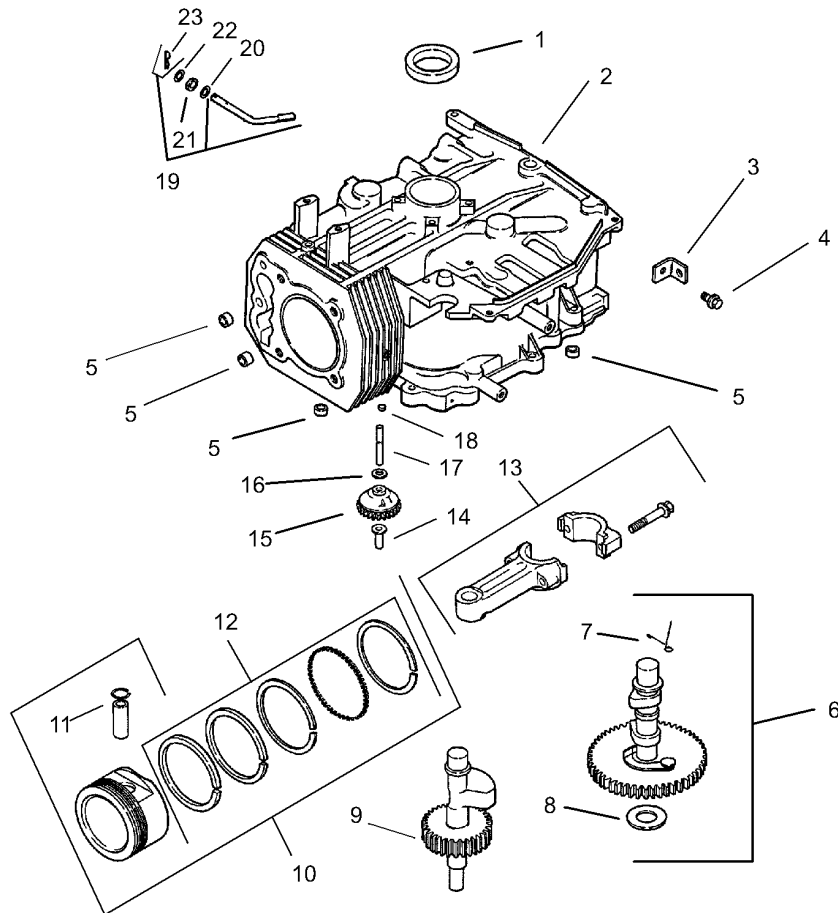
Ref	Part No.	Qty.	Description
65	105-1886	1	Bearing-Ball
66	105-1887	1	Seal
67	104-5309	1	Ring-Retaining
68	105-1888	2	Ring-Retaining, Axle
70	105-1889	1	LH Brake Arm ASM
73	105-1890	1	Disc-Brake
81	105-1891	1	Bushing-Axle
82	105-1892	1	Bushing-Axle
83	107-1701	1	Cap Vent ASM
99	107-1702	1	Breather Kit
❶ 100	104-2147	1	Sealant
107	105-1894	1	Hub ASM
108	105-1895	1	Nut
120	104-1754	1	Pulley
123	107-1703	1	Screw-HHF
126	105-1898	2	Ring-Retaining
❶ 134	105-1899	1	Seal Kit
136	105-1927	1	Fan
137	105-1928	1	Fan Pulley Kit
138	107-1704	1	Hose/Fitting ASM
141	107-1705	1	Washer
142	107-1706	1	Washer
143	107-1707	1	Cover-Brake, Plastic



Crankshaft Assembly

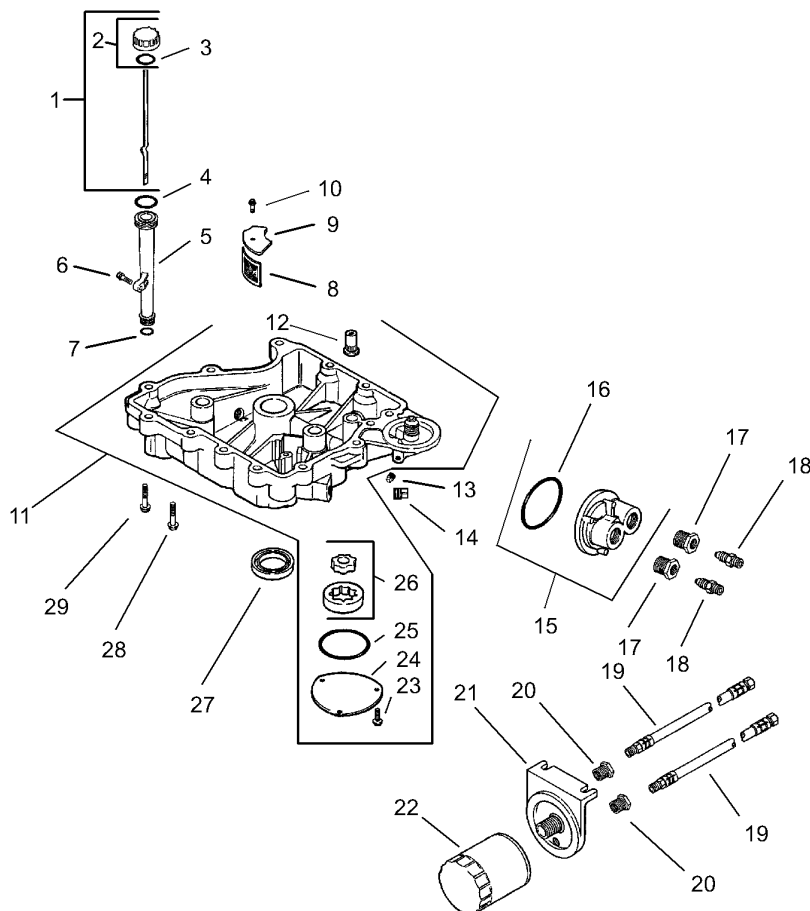
Kohler CV 490S-27503

Ref	Part No.	Qty.	Description
③1	12 014 57-S	2	Crankshaft (Includes 2)
③2	25 139 27-S	1	Plug-Cup



Crankcase Assembly Kohler CV 490S-27503

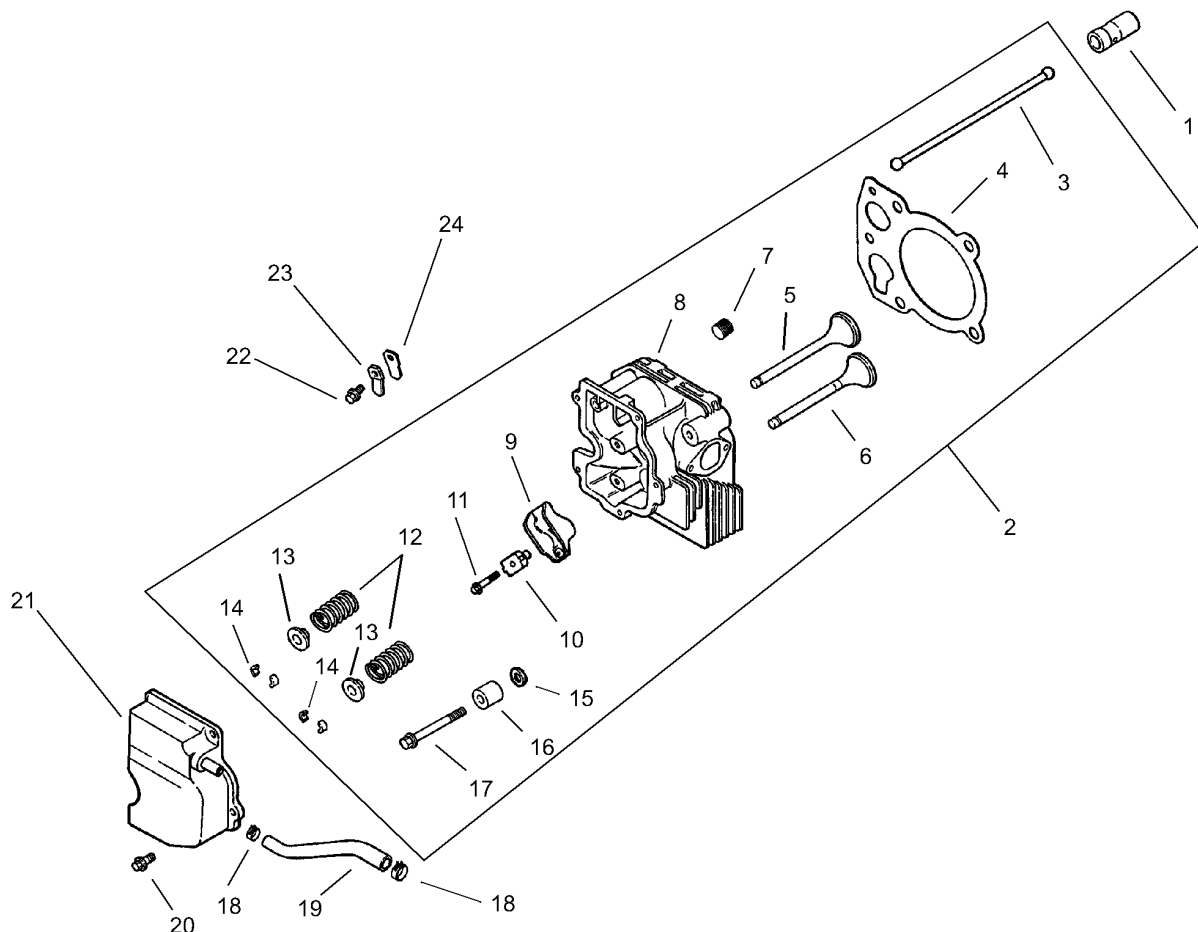
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
❶1	12 032 03-S	1	Seal-Oil	❶	12 108 09-S	1	Ring Set (.50)
❶2		0	Block, Cylinder (Use:short Block 12 522 51)	❶13	12 067 11-S	1	Rod-Connecting (STD)
❶3	12 445 02-S	1	Strap-Lifting	❶	12 067 12-S	1	Rod-Connecting (.25)
❶4	M-839025-S	1	Screw-HF (M8X1.25X25)	❶14	12 380 01-S	1	Pin-Regulating, Governor
❶5	24 380 13-S	4	Pin-Locating	❶15	12 043 05-S	1	Gear-Governor
❶6	12 755 49-S	1	Kit, Camshaft (Includes 7, 8)	❶16	M-631005-S	1	Washer-Plain (6 Mm)
❶7	12 089 31-S	1	Spring-Actuating	❶17	12 144 02-S	1	Shaft-Gear, Governor
❶8	12 422 08-S	1	Shim-Camshaft (Blue .03)	❶18	52 139 09-S	1	Plug-Cup
❶	12 422 09-S	1	Shim-Camshaft (Red .032)	❶19	12 755 64-S	1	Kit, Governor Cross Shaft W/Clip (Includes 23)
❶	12 422 10-S	1	Shim-Camshaft (Yellow .034)	❶20	X-25-102-S	1	Washer-Flat (1/4)
❶	12 422 11-S	1	Shim-Camshaft (Green .036)	❶21	12 032 01-S	1	Seal-Cross Shaft, Governor
❶	12 422 12-S	1	Shim-Camshaft (Gray .038)	❶22	M-631015-S	1	Washer-Flat (6Mm)
❶	12 422 13-S	1	Shim-Camshaft (Black .04)	❶23	12 154 05-S	1	Clip-Pin, Hitch
❶	12 422 07-S	1	Shim-Camshaft (White .028)				
❶9	12 144 28-S	1	Shaft-Balance				
❶10	12 874 07-S	1	Piston W/Ring Set (STD.)(Includes 11, 12)				
❶	12 874 08-S	1	Piston W/Ring Set (.25)				
❶	12 874 09-S	1	Piston W/Ring Set (.50)				
❶	12 874 11-S	1	Piston W/Ring Set (.08)				
❶11	12 018 02-S	2	Retainer-Pin, Piston				
❶12	12 108 07-S	1	Ring Set (STD. And .08)				
❶	12 108 08-S	1	Ring Set (.25)				



Oil Pan/Lubrication Assembly Kohler CV 490S-27503

Ref	Part No.	Qty.	Description
❶1	12 038 02-S	1	Dipstick (Includes 2, 3)
❶2	24 755 46-S	1	Kit, Oil Fill Cap (Includes 3)
❶3	12 153 03-S	1	O-Ring
❶4	12 153 02-S	1	O-Ring
❶5	12 123 04-S	1	Oil Fill Tube ASM
❶6	M-545020-S	1	Screw-HHFTF (M5X0.8X20)
❶7	12 153 01-S	1	O-Ring
❶8	25 162 07-S	1	Screen-Pickup, Oil
❶9	12 096 03-S	1	Cover-Screen, Oil Pickup
❶10	M-545016-S	1	Screw-HHFTF (M5X0.8X16)
❶11	12 199 50-S	1	Pan, Oil (Includes 12, 23-26)
❶12	25 462 09-S	1	Valve-Relief, Oil Pressure
❶13	25 139 52-S	1	Plug-Pipe (1/8In)
❶14	25 139 57-S	2	Plug-Solid, Square Head (.38)
❶15	24 029 02-S	1	Adapter, Oil Filter (Includes 16)
❶16	24 153 13-S	1	O-Ring
❶17	25 158 10-S	1	Bushing, Reducing 7/8X1/4X1/2 N.P.T.F.
❶18	52 136 02-S	1	Nipple-Metallic
❶19	52 326 11-S	1	Hose, Oil (Red Tracer) (2) 1/8-27 N.P.T.F. Male Coupling, 1/4-18 N.P.S.M. Female Coupling X 23In Long
❶20	25 158 15-S	1	Bushing, Reducing 1/8X1/4 N.P.T.F.

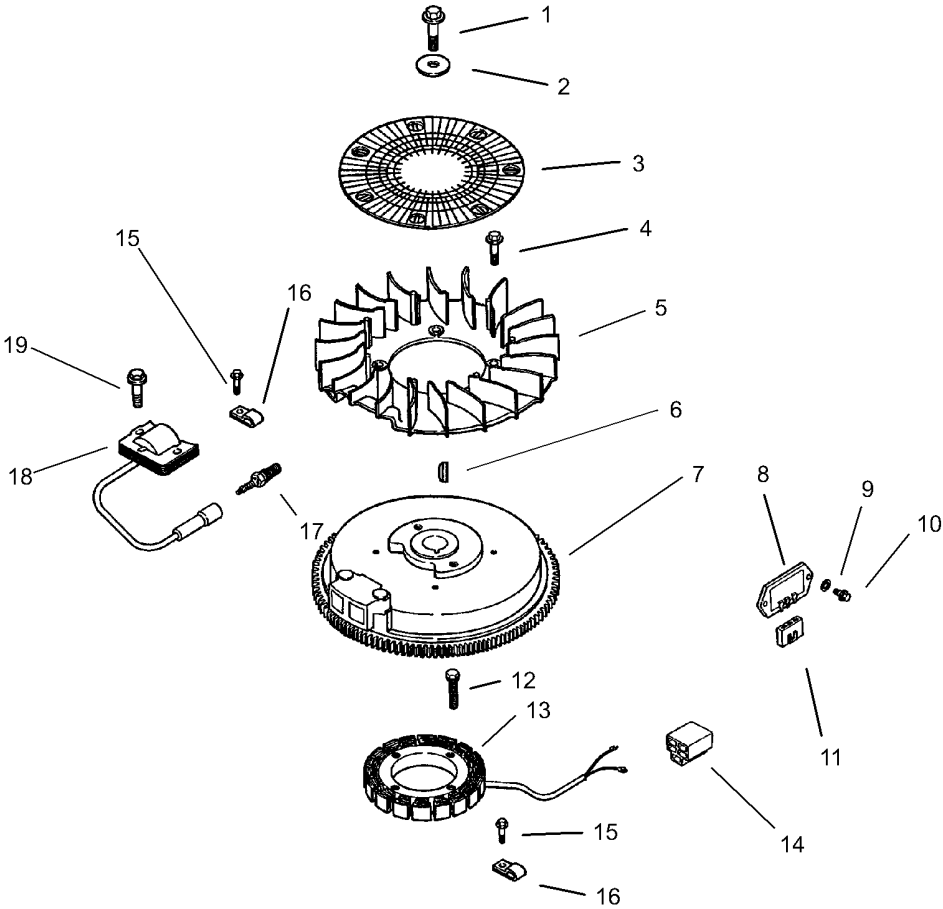
Ref	Part No.	Qty.	Description
❶21	12 029 02-S	1	Adapter, Oil Filter
❶22	12 050 01-S	1	Filter-Oil
❶23	M-545016-S	1	Screw-HHFTF (M5X0.8X16)
❶24	12 096 34-S	1	Cover-Pump, Oil
❶25	12 153 06-S	1	O-Ring (Oil Pump Cover)
❶26	12 393 01-S	1	Oil Pump ASM
❶27	12 032 03-S	1	Seal-Oil
❶28	24 086 16-S	11	Screw-HF (M8X1.25X45)
❶29	24 086 17-S	1	Screw-HF (M8X1.25X45)



Head/Valve/Breather Assembly Kohler CV 490S-27503

Ref	Part No.	Qty.	Description
❶	25 351 01-S	2	Lifter-Valve
❷	12 755 94-S	1	Kit, Cylinder Head (Includes 3-17, Carburetor Gasket (2), Air Cleaner Base Gasket, Exhaust Manifold Gasket)
❸	12 411 03-S	2	Rod-Push
❹	12 041 10-S	1	Gasket-Head, Cylinder
❺	12 017 01-S	1	Valve-Intake (STD)
❻	12 016 01-S	1	Valve-Exhaust (STD)
❼	25 139 60-S	1	Plug-Hex, Countersunk (.125)
❽	12 318 36-S	1	Cylinder Head
❾	25 186 01-S	2	Arm-Rocker
❿	12 599 03-S	1	Pivot-Arm, Rocker
⓫	M-640034-S	2	Screw-HF (M6X1.0X34)
⓬	12 089 34-S	2	Spring-Valve
⓭	12 173 01-S	2	Cap-Spring, Valve
⓮	12 755 03-S	2	Retainer Kit
⓯	12 468 05-S	1	Washer-Flat (1/2)
⓰	12 112 13-S	1	Spacer-Head Bolt (Exhaust Port)
⓱	12 086 15-S	5	Screw, M10X1.5X81
⓲	25 237 14-S	2	Clamp-Hose
⓳	12 326 03-S	1	Hose-Breather
⓴	M-645020-S	5	Screw-Flange, Hex (M6X1.0X20)
⓵	12 096 07-S	1	Cover-Valve W/Nipple
⓶	M-545010-S	1	Screw-HHFTF (M5X0.8X10)

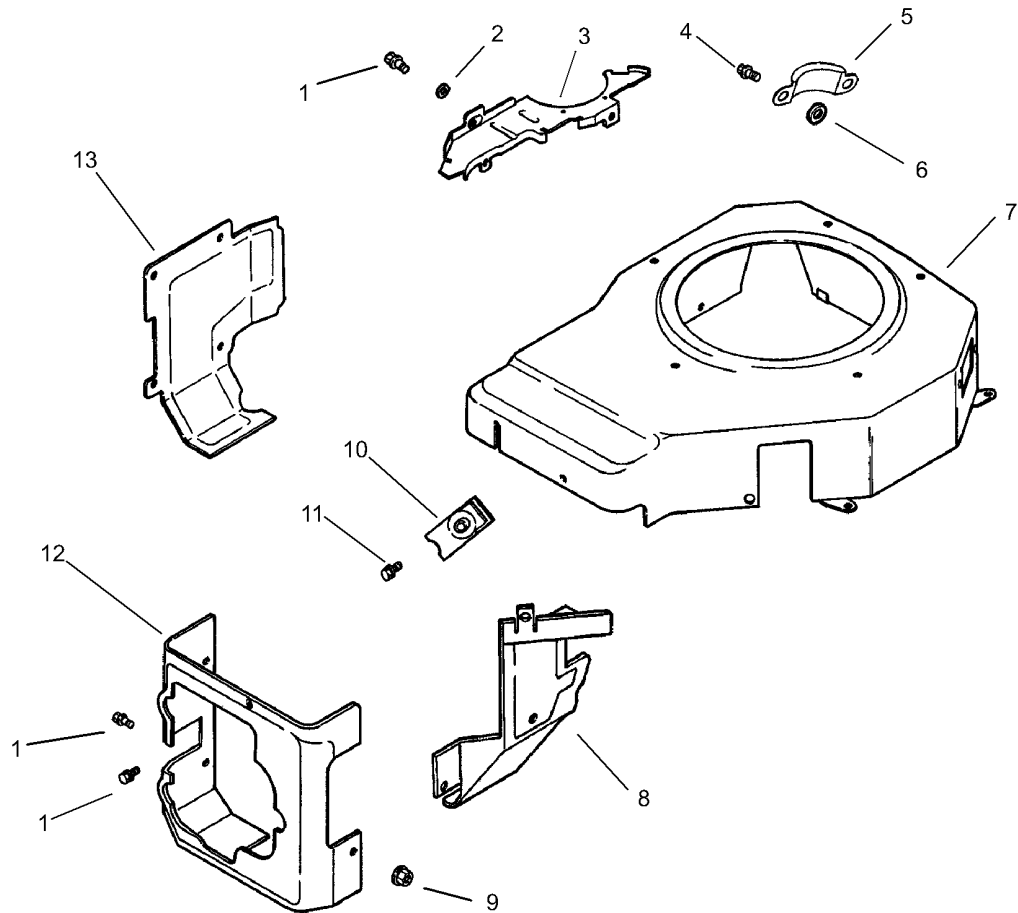
Ref	Part No.	Qty.	Description
⓷	12 018 01-S	1	Retainer-Reed, Breather
⓸	12 402 02-S	1	Reed-Breather
⓹	12 017 02-S	1	Valve-Intake (.25)
⓺	12 016 02-S	1	Valve-Exhaust (.25)
⓻	12 041 01-S	2	Gasket-Carburetor
⓼	12 041 02-S	1	Gasket-Base, Air Cleaner
⓽	12 041 03-S	1	Gasket-Manifold, Exhaust



Ignition/Electrical Assembly

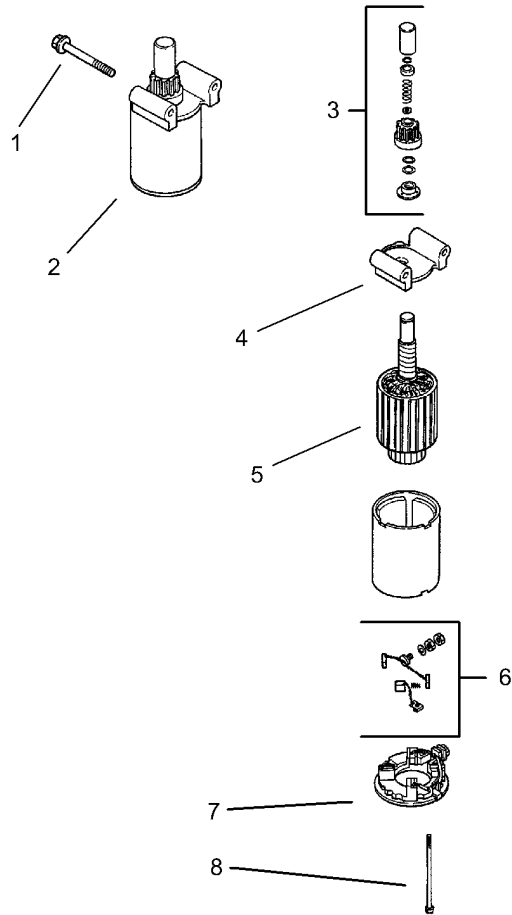
Kohler CV 490S-27503

Ref	Part No.	Qty.	Description				
❶1	12 086 14-S	1	Screw-Hex, Flange (M10X1.5X45)				
❷2	12 468 03-S	1	Washer-Flat (.38)				
❸3	24 162 03-S	1	Screen-Grass				
❹4	25 086 47-S	4	Bolt-Shoulder (M6X1.0X16)				
❺5	12 157 06-S	1	Fan				
❻6	X-42-15-S	1	Key (.19 X .62)				
❼7	12 025 15-S	1	Flywheel				
❽8	41 403 09-S	1	Rectifier-Regulator				
❾9	X-22-11-S	1	Washer-Lock, Internal Tooth (1/4)				
❿10	M-639016-S	2	Screw-HF (M6X1.0X16)				
❶11	236602-S	1	Connector (3 Contact)				
❶12	M-548025-S	2	Screw-HHFTF (M5X0.8X25)				
❶13	237878-S	1	Kit, Stator (Includes Terminal 25 452 01-S)				
❶14	48 155 01-S	1	Connector (5 Contact)				
❶15	M-545010-S	2	Screw-HHFTF (M5X0.8X10)				
❶16	X-728-1-S	2	Clip				
❶17	12 132 02-S	1	Spark Plug				
❶18	12 584 04-S	1	Module-Ignition				
❶19	M-545020-S	2	Screw-HHFTF (M5X0.8X20)				
❶❸	25 518 05-S	1	Lead				
❶❸	12 518 01-S	1	Lead				
❶❸	24 518 12-S	1	Lead-Black				



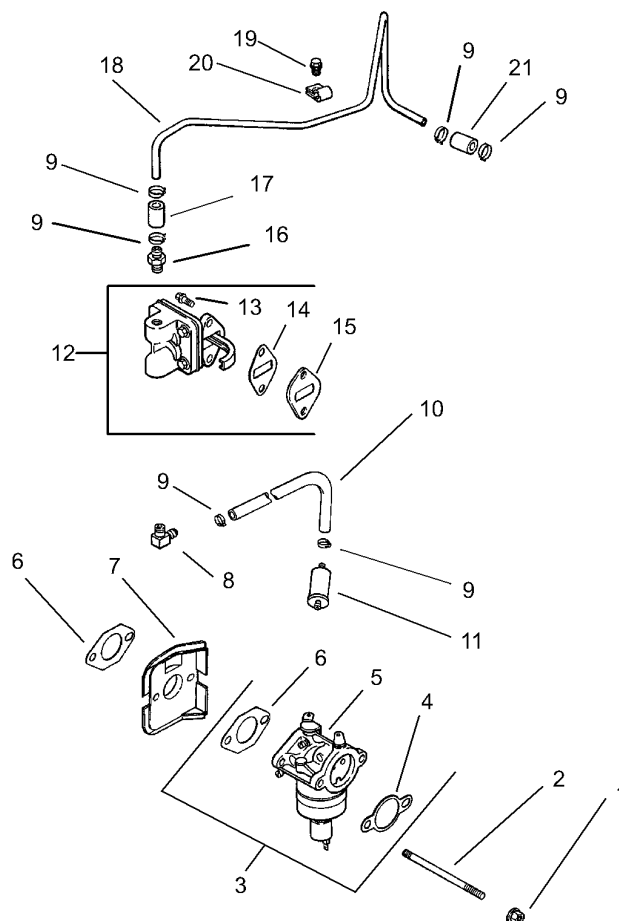
Blower Housing And Baffles Assembly
Kohler CV 490S-27503

Ref	Part No.	Qty.	Description				
❶1	M-545010-S	6	Screw-HHFTF (M5X0.8X10)				
❷2	24 468 10-S	1	Washer-Plain (1/4)				
❸3	12 146 07-S	1	Plate-Housing, Blower				
❹4	M-645016-S	2	Screw-HHFTF (M6X1.0X16)				
❺5	24 096 05-S	1	Cover-Pinion				
❻6	220534-S	2	Washer Plain 5/16				
❼7	12 027 55-S	1	Housing-Blower				
❽8	12 063 18-S	1	Baffle (Intake Side)				
❾9	M-541050-S	1	Nut-HF (M5X0.8)				
❿10	25 154 02-S	3	Clip-Mounting				
❶❶11	12 086 37-S	3	Screw-Washer, Captive (M5X0.8X20)				
❶❷12	12 063 20-S	1	Baffle (Cylinder Head)				
❶❸13	12 063 19-S	1	Baffle-Cylinder				



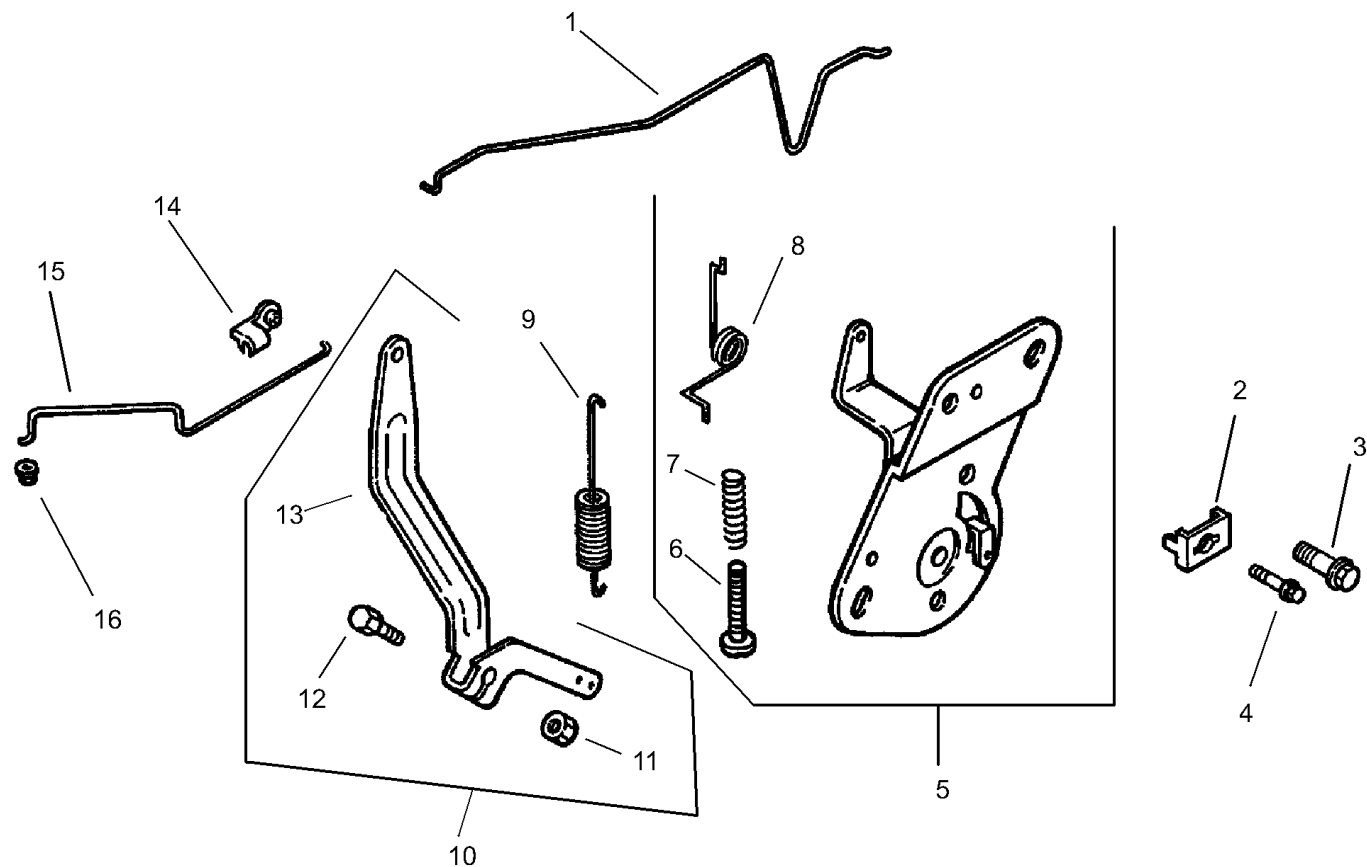
Starting System Assembly
Kohler CV 490S-27503

Ref	Part No.	Qty.	Description				
❶1	M-839070-S	2	Screw-HF (M8X1.25X70)				
❷2	12 098 15-S	1	Starter Assembly (Includes 3-8)				
❸3	12 755 53-S	1	Drive Kit				
❹4	12 227 19-S	1	Cap-End, Drive				
❺5	12 170 05-S	1	Armature				
❻6	12 221 01-S	1	Brush ASM				
❼7	12 227 13-S	1	Commutator-Cap, End				
❽8	12 211 01-S	2	Bolt				



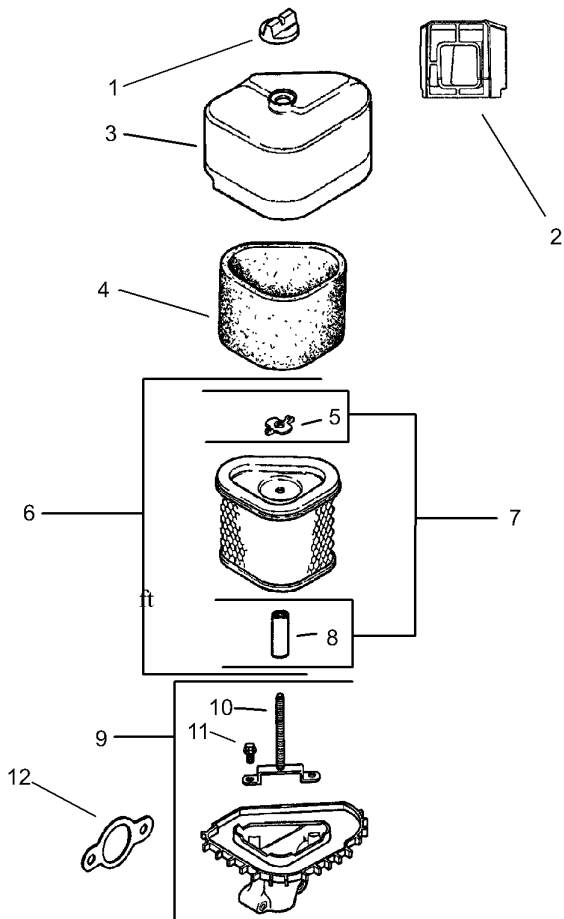
Fuel System Assembly Kohler CV 490S-27503

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
❶	M-641060-S	2	Nut-Hex, Flange (M6X1.0)	❷	12 154 01-S	1	Clamp-Line, Fuel
❷	M-629116-S	2	Stud (M6X1.0X116)	❸	41 353 18-S	1	Line-Fuel (2-1/2In)
❸	12 853 117-S	1	Kit, Carburetor W/Gaskets (Includes 4, 5, 6 Qty. 1, Tie 12 454 03-S And Terminal 25 452 20-S)	❹	12 757 02-S	1	Float Repair Kit
❹	12 041 02-S	1	Gasket-Base, Air Cleaner	❺	12 757 03-S	1	Carburetor Repair Kit
❺	12 053 117	1	Carburetor Assembly (For Information Only Not Available Separately)(Service With Kits: 12 757 02-S, 12 757 03-S, 12 757 33-S)	❻	12 757 33-S	1	Solenoid Repair Kit
❻	12 041 01-S	2	Gasket-Carburetor	❼	12 518 24-S	1	Lead-Red (20In-18 Gauge- Insulated Socket And Uninsulated Push On Tab Terminals)
❼	12 265 06-S	1	Deflector-Heat	❶	12 454 03-S	3	Tie-Wire
❸	25 155 02-S	1	Connector-Hose, 90 DEG	❷	M-561010-S	1	Screw-HWHTF (M5X0.8X10)
❹	25 237 14-S	6	Clamp-Hose	❸	X-22-11-S	1	Washer-Lock, Internal Tooth (1/4)
❺	25 353 14-S	1	Line-Fuel, 7 Inch				
❻	25 050 02-S	1	Filter-Fuel				
❼	12 559 01-S	1	Kit, Fuel Pump (Includes 13-15)				
❸	M-645020-S	2	Screw-Flange, Hex (M6X1.0X20)				
❹	25 041 09-S	2	Gasket-Pump, Fuel				
❺	12 112 05-S	1	Spacer-Pump, Fuel				
❻	25 326 03-S	1	Connector-Hose, Straight				
❼	12 353 01-S	1	Line-Fuel (1-1/4In)				
❸	12 123 19-S	1	Line-Fuel. Metal				
❹	M-545010-S	1	Screw-HHFTF (M5X0.8X10)				



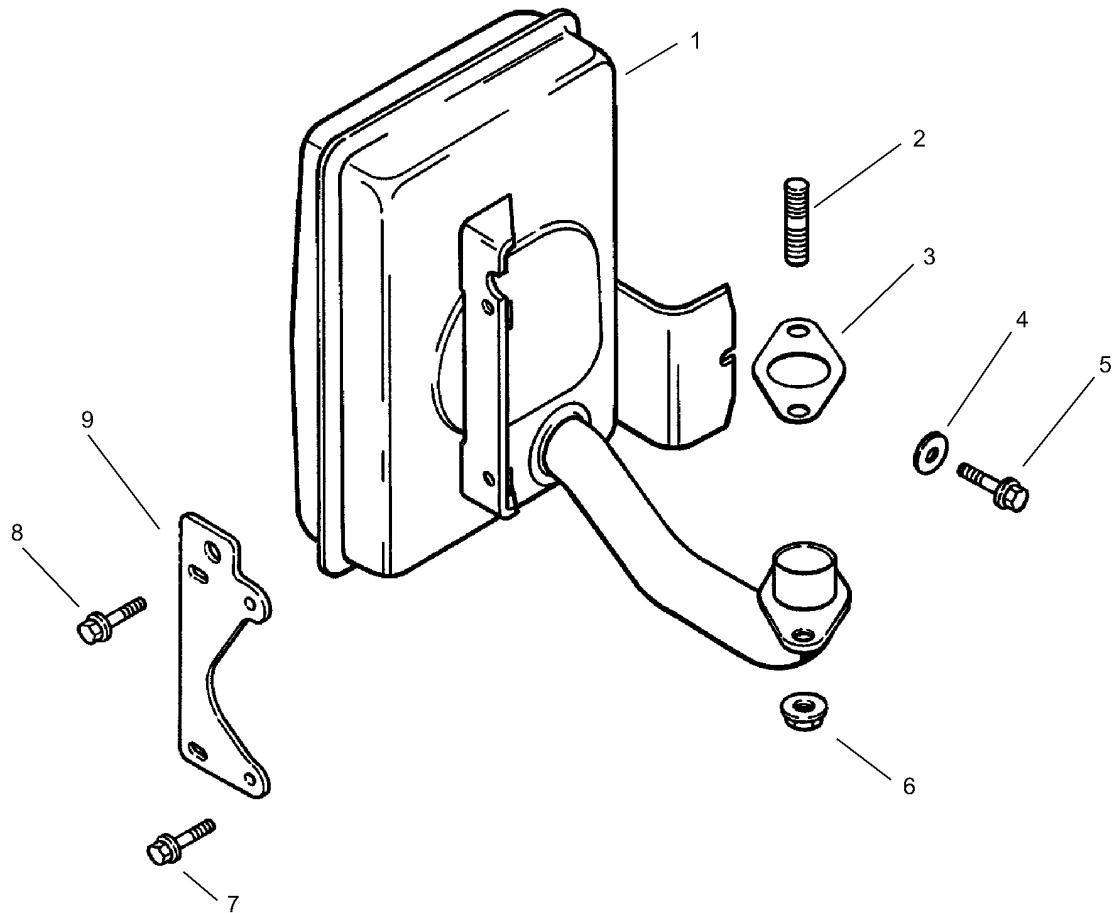
Engine Controls Assembly
Kohler CV 490S-27503

Ref	Part No.	Qty.	Description				
❶1	12 079 11-S	1	Linkage-Choke				
❷2	12 237 01-S	1	Clamp-Cable				
❸3	M-545016-S	1	Screw-HHFTF (M5X0.8X16)				
❹4	M-664020-S	2	Screw-Socket, 6 Lobed (Thread Forming, M6X1.0X20)				
❺5	12 536 01-S	1	Control, Speed Assembly (Includes 6-8)				
❻6	M-443025-S	1	Screw-SPH,M4X0.7X25				
❼7	12 089 11-S	1	Spring-Control, Speed				
❸8	12 089 23-S	1	Spring-Return, Choke				
❹9	12 089 19-S	1	Spring-Governor				
❺10	12 755 83-S	1	Kit, Governor Lever (Includes 11-13)				
❻11	12 100 07-S	1	Nut-Flange, Hex (1/4-20)				
❻12	52 211 04-S	1	Bolt-Square Neck, Round Head (1/4-20X1)				
❻13	12 090 28-S	1	Lever-Governor				
❻14	25 158 11-S	1	Bushing-Linkage, Throttle				
❻15	12 079 10-S	1	Linkage-Throttle				
❻16	25 158 08-S	1	Bushing-Retaining, Linkage				



Air Intake/Filtration Assembly
Kohler CV 490S-27503

Ref	Part No.	Qty.	Description				
❶1	25 341 03-S	1	Knob-Cover				
❷2	12 281 01-S	1	Duct, Air				
❸3	12 096 24-S	1	Cover-Air Cleaner				
❹4	12 083 12-S	1	Element-Precleaner				
❺5	12 100 08-S	1	Nut-Wing				
❻6	12 083 10-S	1	Element, Air Cleaner (Includes 5, 7, 8)				
❼7	12 743 12-S	1	Kit, Air Cleaner Seal (Includes 5, 8)				
❸8	12 032 11-S	1	Seal				
❹9	12 094 07-S	1	Base, Air Cleaner (Includes 10, 11)				
❹10	12 072 04-S	1	Stud				
❹11	12 086 01-S	2	Screw				
❹12	12 041 02-S	0	Gasket-Base, Air Cleaner				



Exhaust Assembly
Kohler CV 490S-27503

Ref	Part No.	Qty.	Description				
❶1	12 068 55-S	1	Muffler				
❷2	25 072 04-S	1	Stud (M8X1.25X33)				
❸3	12 041 03-S	1	Gasket-Manifold, Exhaust				
❹4	X-25-78-S	1	Washer-Plain (1/4In)				
❺5	M-545016-S	1	Screw-HHFTF (M5X0.8X16)				
❻6	M-841080-S	2	Nut-Hex, Flange (M8X1.25)				
❼7	M-645016-S	2	Screw-HHFTF (M6X1.0X16)				
❽8	M-645025-S	2	Screw-HF (M6X1.0X25)				
❾9	12 126 71-S	1	Bracket-Muffler				
❶❶	12 755 70-S	4	Kit, Muffler Guard (Includes Screw (4) M-545010-S)				
❶❷	M-545010-S	4	Screw-HHFTF (M5X0.8X10)				
❶❸	12 522 51	1	Short Block				
❶❹	12 755 93-S	1	Gasket Set				

NOTES

NOTES

NOTES

