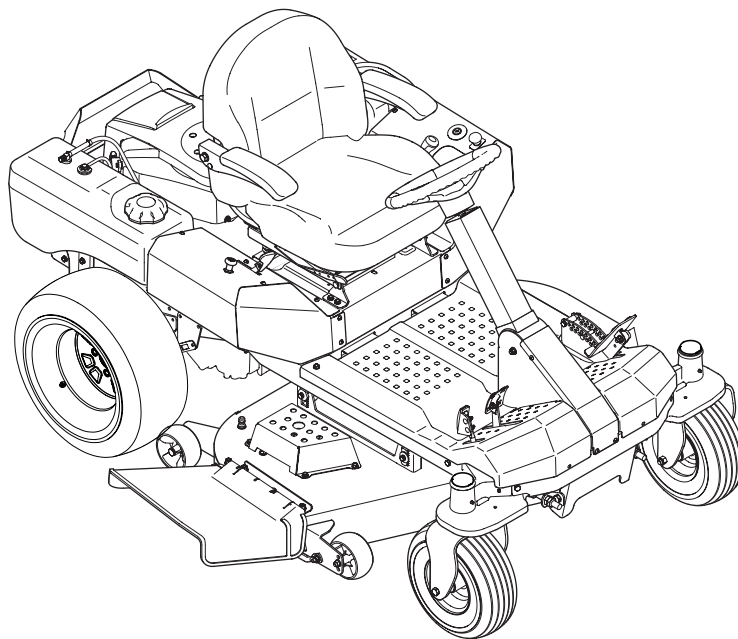

Cub Cadet®

ILLUSTRATED PARTS MANUAL



Z-Force S 48/60 Commercial

CUB CADET LLC, P.O. BOX 361131 CLEVELAND, OHIO 44136-0019

To The Owner

Thank You

Thank you for purchasing a Cub Cadet Zero-Turn Tractor. It was carefully engineered to provide excellent performance when properly operated and maintained.

All information in this manual is relative to the most recent product information available at the time of printing. Please be aware that this Illustrated Part's Manual may cover a range of product specifications for various models.

Components listed and/or illustrated in this manual may not be applicable to all models. We reserve the right to change product specifications, designs and equipment without notice and without incurring obligation.

Throughout this manual, all references to *right* (RH) and *left* (LH) are observed from the operating position.

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Record Product Information

To ease in ordering replacement parts, please locate the model plate on the equipment and record the information in the provided area to the right. You can locate the model plate by looking beneath the seat.

MODEL NUMBER

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SERIAL NUMBER

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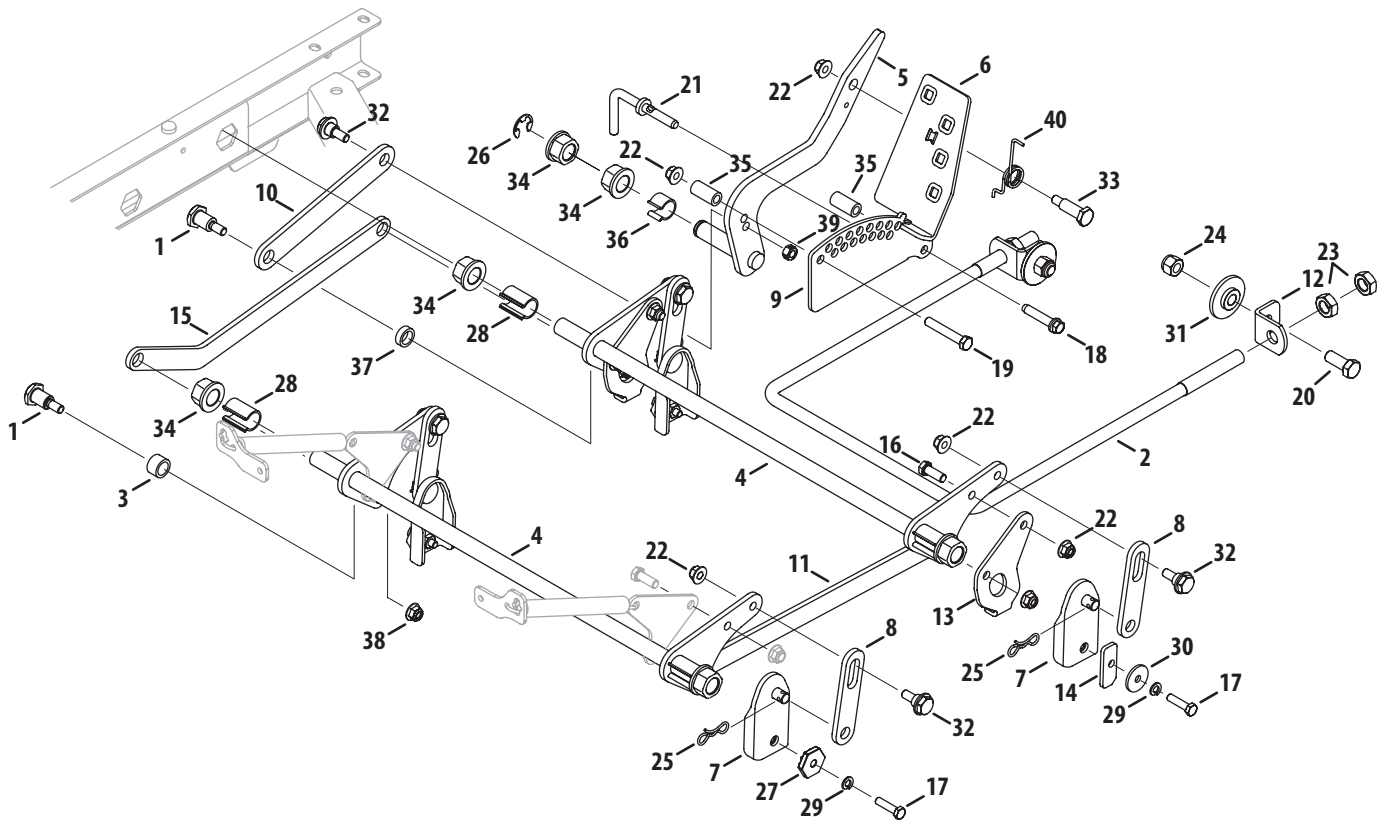
Painted Parts

When ordering painted service parts, a four digit color suffix must be added to the part number (e.g. 783-XXXX-0637). Please refer to the table below for current color codes:

0637	Black	0685	Blue (Cub Cadet)
4021	Yellow (Cub Cadet)	0691	Black Jack (Cub Cadet Commercial)
0499	Beige (Cub Cadet)		

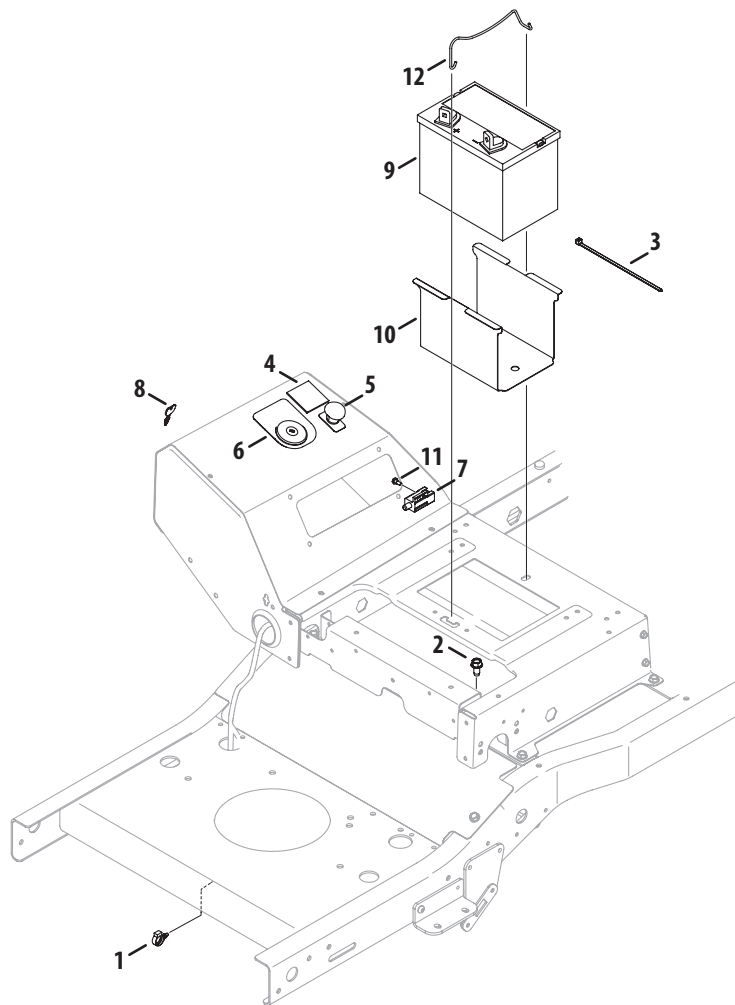
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Deck Lift



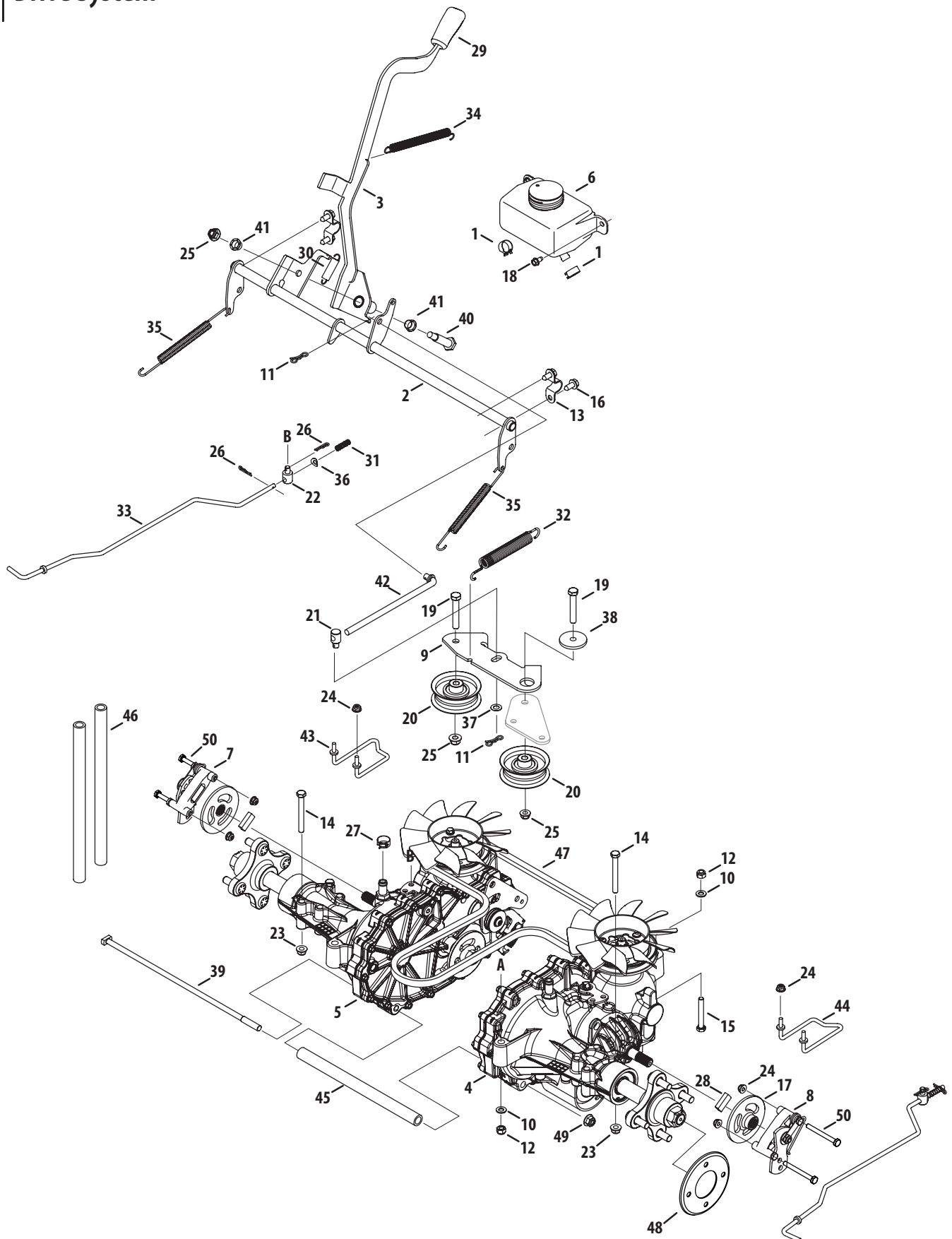
Ref	Part Number	Description
1	738-04489	Shoulder Screw, .625 x .830
2	747-05353A	Lift Rod
3	02005535	Spacer, .632 x .877 x .548
4	603-04867	Rock Shaft Assembly
5	603-04881	Foot Pivot Assembly
6	603-04880	Lift Pedal Assembly
7	603-04771	Deck Lift Adjustment Bracket
8	703-07489A	Lift Link Bracket
9	703-07540A	Index Plate
10	703-07552A	Pedal Link Plate
11	703-07554	Mid Link Plate
12	703-08215	Front Hanger Rod Bracket Mount
13	703-07663A	Deck Up Stop Bracket
14	703-07672	Deck Lift Square Spacer
15	703-07770	Mid-Angled Link Plate
16	710-0514	Hex Screw, 3/8-16 x 1.00
17	710-0528	Hex Screw, 5/16-18 x 1.25
18	710-1008	Hex Washer Screw, 3/8-16 x 1.875
19	710-3011	Hex Screw, 3/8-16 x 2.25
20	710-3032	Hex Screw, 1/2-13 x 1.25

Ref	Part Number	Description
21	711-05500A	Lock Rod
22	712-04065	Flange Lock Nut, 3/8-16
23	912-3048	Jam Nut, 1/2-13
24	712-3083	Hex Lock Nut, 1/2-13
25	714-04043	Cotter Pin
26	916-0231	E-Type Ring, .750
27	917-04074	Adjustable Deck Gear
28	731-06848	Spacer, .791 x .950 x 1.35
29	936-0119	Lock Washer, 5/16
30	736-0343	Flat Washer, .330 x 1.25 x .120
31	738-04337A	Shoulder Spacer, .9790 x .2025
32	738-04428	Shoulder Spacer, 3/8-16 x .562 x .360
33	738-1014	Shoulder Screw, .500 x 1.25
34	741-04499	Hex Flange Bearing, .752
35	750-04584	Spacer, .375 x .625 x 1.34
36	731-08265	Spacer, .79 x .95 x .73
37	750-05362	Spacer, .632 x .877 x .281
38	712-0459	Flange Lock Nut, 7/16-20
39	712-05007	Hex Lock Nut, 3/8-16
40	732-04829	Torsion Spring



Ref	Part Number	Description
1	02003037	Electrical Conduit Clip, 1/2
2	710-0623	Screw, 3/8-16 x .75
3	725-0157	Cable Tie, 3/16 x .05 x 7.4
4	925-04022B	Hour Meter/Service Minder
5	925-04175	Electric PTO Switch
6	925-04228	Key Switch
7	725-04363	Interlock Switch
8	625-05000	Key, Assembly
9	925-1707D	Battery
10	783-0349	Battery Tray
11	738-04237A	Shoulder Screw, #10-32 x .500
12	747-05505	Battery Rod
NS	725-05021	Harness Assembly

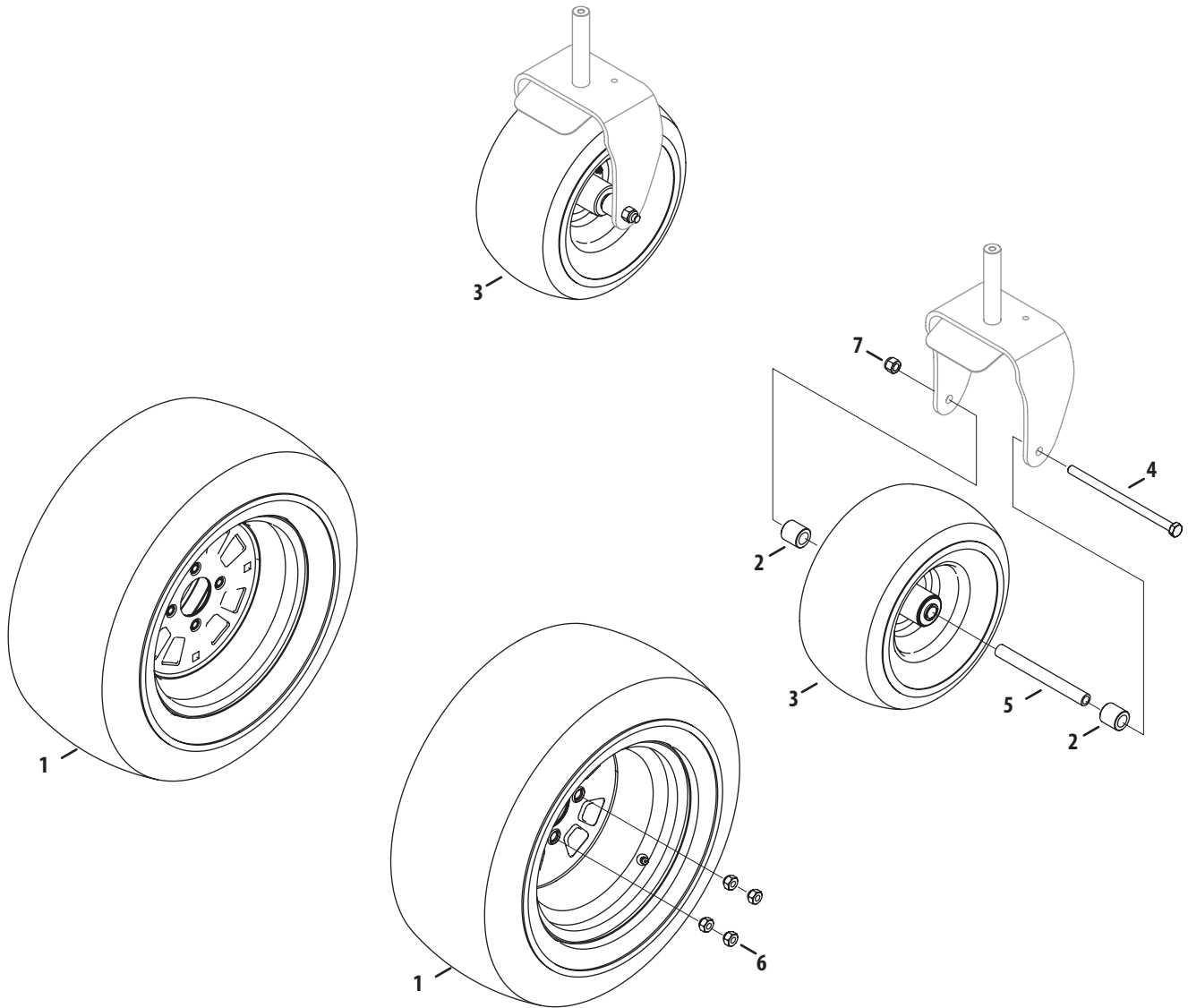
Drive System



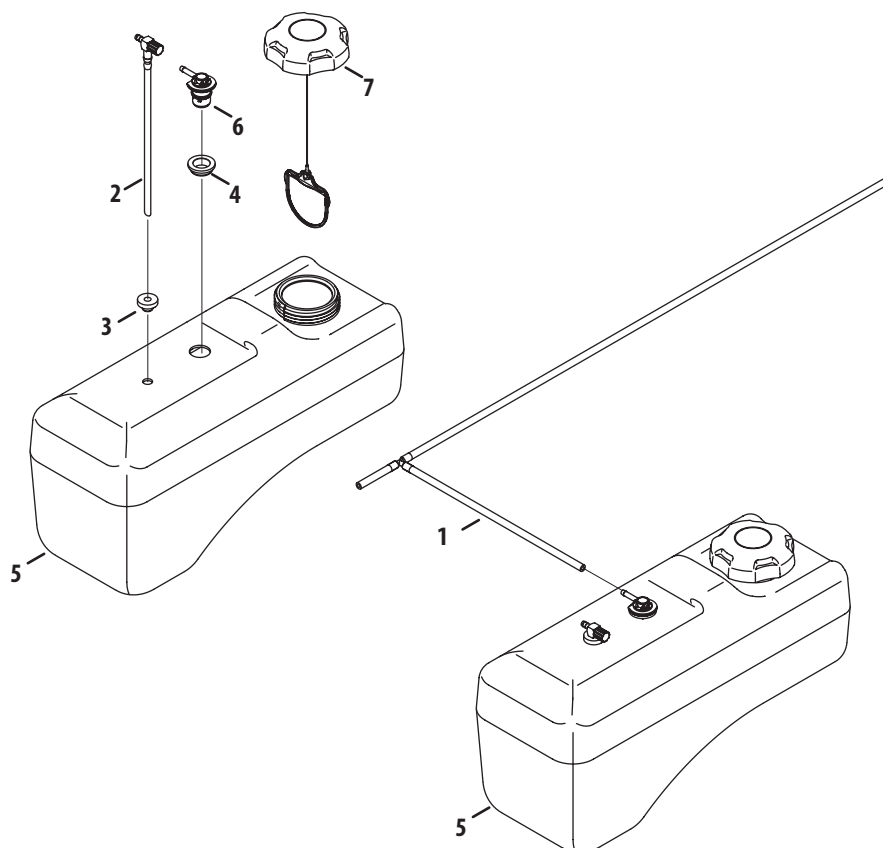
Ref.	Part Number	Description
1	02001111	Hose Clamp, ½"
2	603-04757	Brake Shaft Assembly
3	603-04773	Brake Handle Assembly
4	918-04996A	RH Transmission Assembly
5	918-04997A	LH Transmission Assembly
6	931-04223	Expansion Tank Assembly
7	961-04053	LH Brake Assembly
8	961-04054	RH Brake Assembly
9	703-07318C	Idler Bracket
10	936-0264	Flat Washer, .330 x .630 x .064
11	714-04040	Bow-Tie Cotter Pin
12	912-0411	Hex Lock Nut, 5/16-24
13	703-07593	Shaft Mount Bracket
14	710-0176	Hex Screw, 5/16-18 x 2.75
15	710-05278	Hex Screw, 5/16-24 x 2.25
16	710-04484	Hex Washer Screw, 5/16-18 x .750
17	761-04061	Brake Disc
18	710-0599	Hex Washer Screw, ¼-20 x .500
19	710-3011	Hex Screw, 3/8-16 x 2.25
20	756-04224	Flat Idler Pulley, 2.75
21	911-0832	Ferrule, 3/8-24 x .375
22	711-1530	Ferrule, .325 x .312
23	712-04063	Flange Lock Nut, 5/16-18
24	712-04064	Flange Lock Nut, ¼-20
25	712-04065	Flange Lock Nut, 3/8-16

Ref.	Part Number	Description
26	914-0104	Cotter Pin, .072 x 1.13
27	726-05015	Hose Clamp, .75 Dia. x .312
28	917-0678	Brake Pad
29	731-04735	Selector Handle
30	932-0209	Extension Spring, .48 x 2.03
31	732-0335	Compression Spring, .405 x 1.17
32	732-04229	Extension Spring, .75 x 6.02
33	732-04688A	Transmission Bypass Lever Wire
34	732-0963	Extension Spring, .50 x .637
35	732-0994	Extension Spring, .500 x 7.0
36	936-0271	Spring Washer, .317 x .625 x .020
37	936-0314	Thrust Washer, .375 x .70 x .030
38	738-04392	Shoulder Spacer, .884 x .190
39	738-04192B	Rod, .405 x 14.00
40	938-0533	Shoulder Screw, .498 x 1.635
41	741-0491	Flange Bearing, .500 x .34
42	747-05139A	Disenage Brake Rod
43	747-05277B	LH Rod Keeper
44	747-05278B	RH Rod Keeper
45	750-05346	Transmission Spacer, 10.5
46	751-11531	Fuel Hose, ½ x 12.00
47	954-3092A	Belt
48	703-06936	Reinforcement Plate
49	712-0459	Flange Lock Nut, 7/16-20
50	710-1122	Hex Screw, ¼-20 x 2.50

Wheels

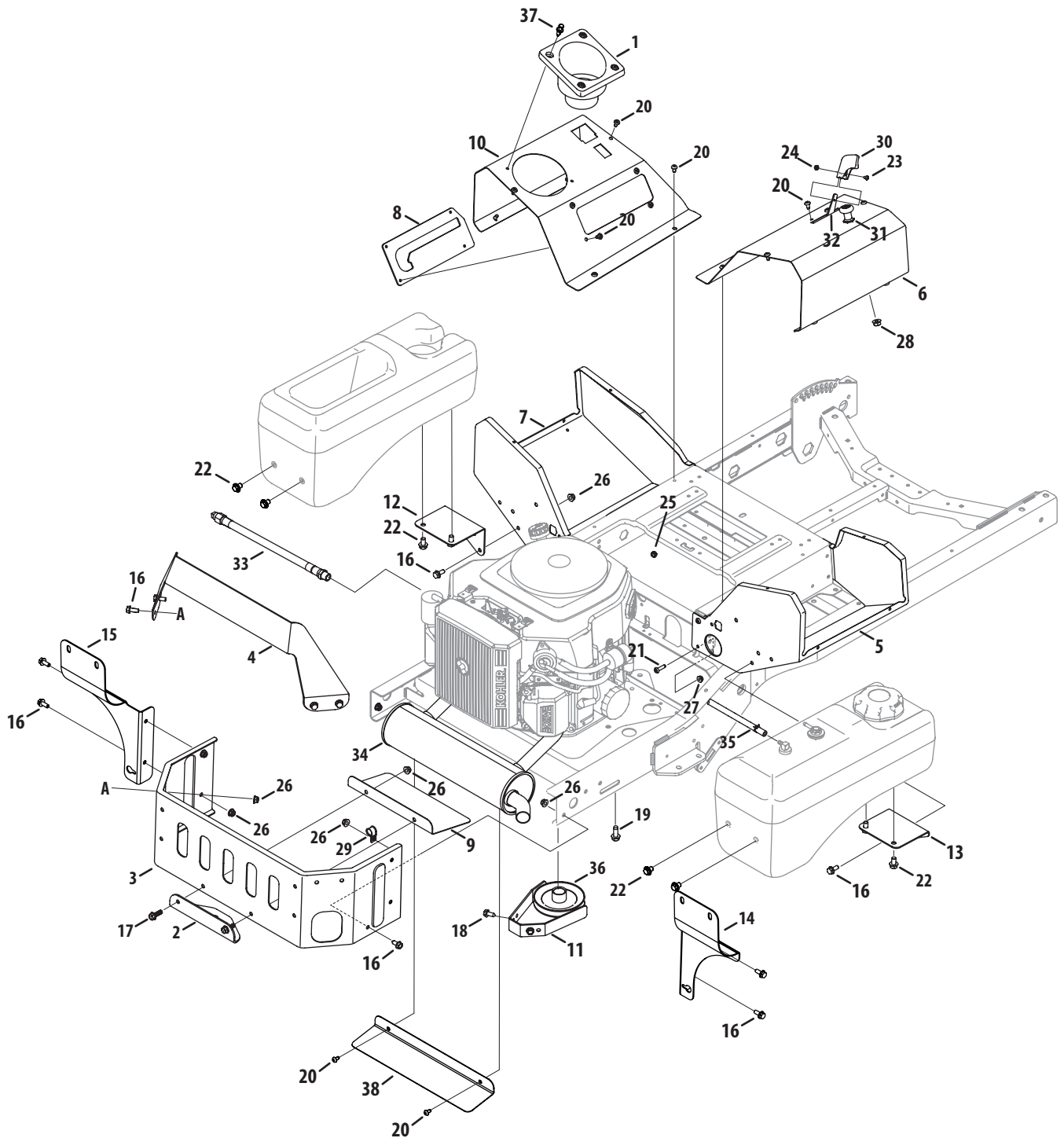


Ref.	Part Number	Description
1	634-04698-0931	Wheel Assy., 22 x 9.5 x 12
	634-04238-0499	Rim Only, 12 x 7
	934-0255	Valve
	734-04580	Tire Only 22 x 9.5 x 12
2	750-05352	Hub, .76 x 1.23 x 1.25
3	634-04623-0931	Complete Wheel Assy., 13 x 6.5-6
	937-0280	Grease Fitting
	941-04137	Bearing, Ball .750 x 1.750
4	710-04999	Hex Screw, ½-13 x 8.5
5	750-05351	Spacer, .51 x .75 x 1.25
6	712-3050	Lug Nut, 7/16-14
7	712-3083	Hex Lock Nut, ½-13



Ref.	Part Number	Description
1	751-12293	Rollover Vent Hose Assembly
2	751-12478	Pick-Up Fuel Fitting Valve
3	735-04065	Fuel Tank Bushing
4	735-04081	Rubber Grommet
5	951-04318A	Fuel Tank
6	751-12118	Fuel Rollover Valve
7	951-12193A	Fuel Cap

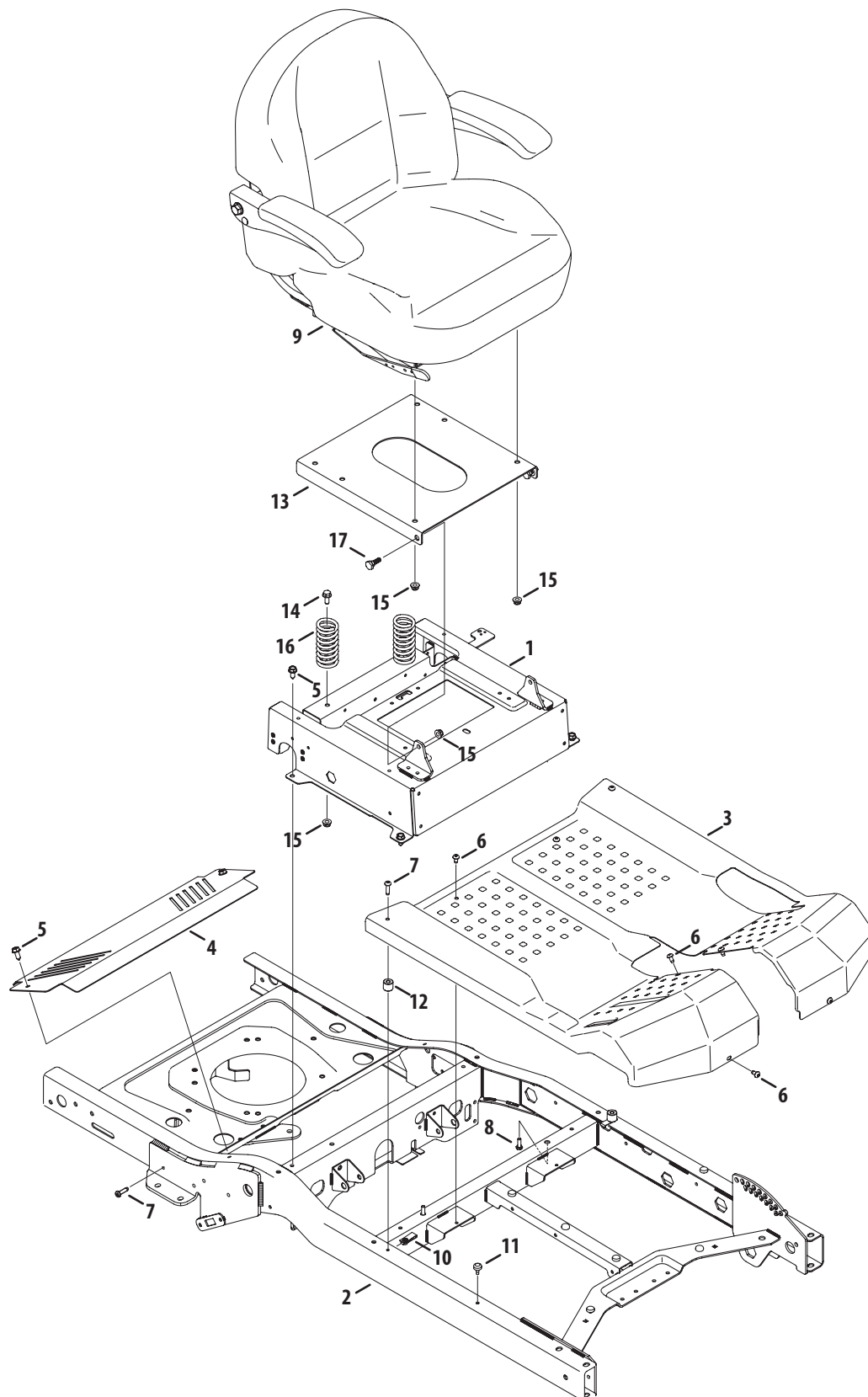
Engine Connections



Ref.	Part Number	Description
1	731-08438	Cup Holder
2	703-07543B	Hitch Bracket
3	703-07570	Bumper Bracket
4	703-07577	Upper Bumper Bracket
5	703-07583B	RH Lower Console
6	703-07584	RH Upper Console
7	703-07588B	LH Lower Console
8	703-07627A	Parking Brake Lock Bracket
9	703-07658	Muffler Mount Bracket
10	703-08765	LH Upper Console
11	703-08296A	Belt Keeper Bracket
12	703-08313B	Left Tank Support Bracket
13	703-08314B	Right Tank Support Bracket
14	703-08599	RH Fuel Tank Support Bracket
15	703-08598	LH Fuel Tank Support Bracket
16	710-04043	Hex Screw, 5/16-18
17	710-04048	Hex Flange, 5/16-18 x 1.0
18	710-04484	Hex Washer Screw, 5/16-18 x .750
19	710-04683A	Screw, 3/8-16 x 1.00

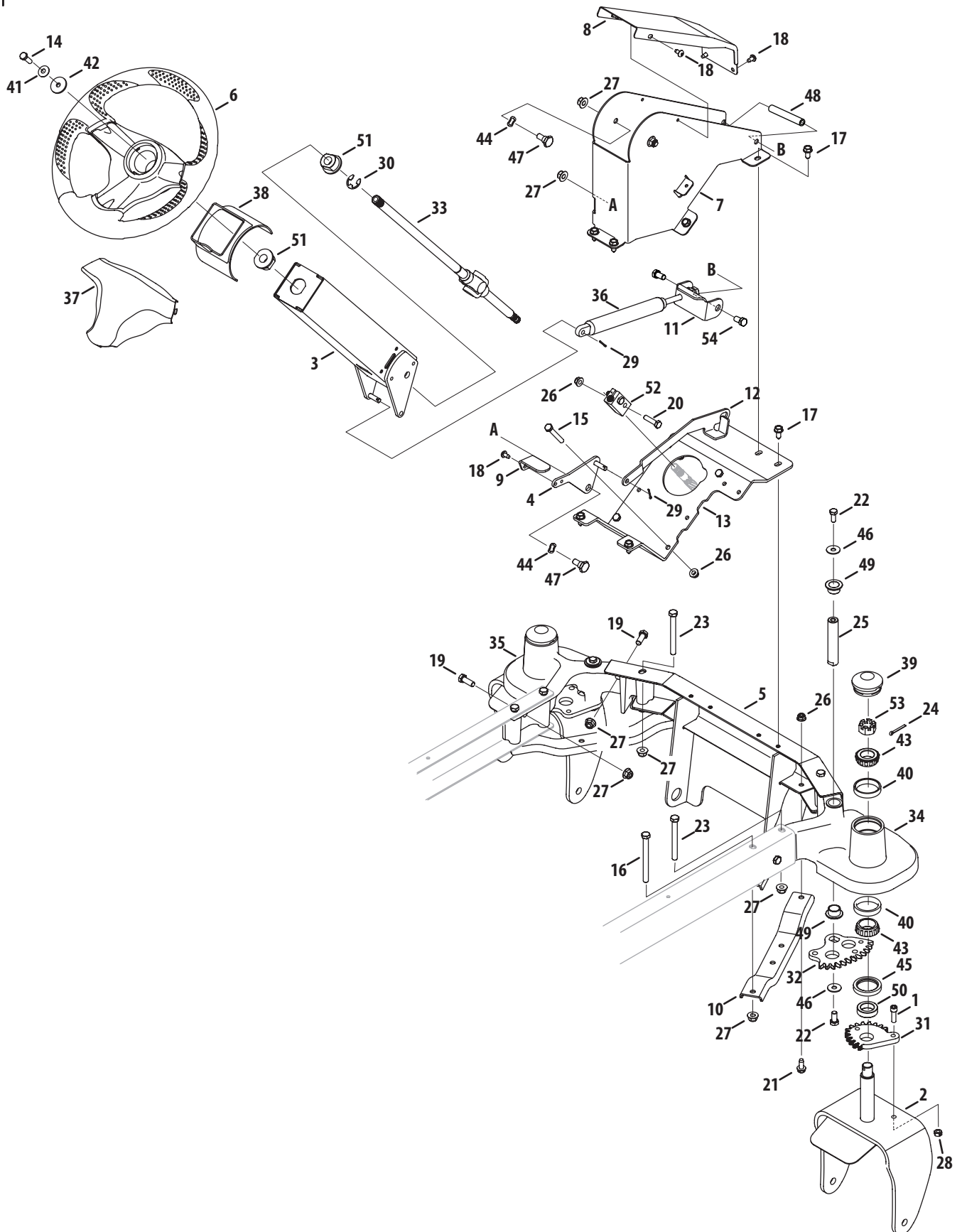
Ref.	Part Number	Description
20	710-05070	Screw, 1/4-20 x .5
21	710-05074	Screw, 1/4-20 x 1.0
22	710-05361	Hex Washer Screw, M10-1.5 x .500
23	710-3217	Machine Screw, #8-32 x0.375
24	712-0142	Hex Nut, #8-32
25	712-0271	Sems Nut, 1/4-20
26	712-04063	Flange Lock Nut, 5/16-18
27	712-04064	Flange Lock Nut, 1/4-20
28	912-3005	Flange Lock Nut, 3/8-16
29	726-0475	Clamp, 1.0 Dia.
30	731-06593	Throttle Knob
31	946-04752	Choke Cable
32	946-1086	Throttle Cable, 39.0 x .62
33	751-10291A	Oil Drain
34	751-11879A	Kohler Muffler
35	751-12292	Fuel Line
36	756-04469	Electric PTO Engine Pulley
37	728-0199	Plastic Rivet
38	703-09199	Muffler Bracket

Seat & Frame



Ref.	Part Number	Description
1	603-04805A	Seat Mount Frame
2	603-04862B	Frame Assembly
3	703-07315A	Floor Board
4	703-07473A	Transmission Cover
5	710-04484	Hex Washer Screw, 5/16-18 x .750
6	710-05070	Screw, 1/4-20 x .5
7	710-05074	Screw, 1/4-20 x 1.0
8	710-1652	Screw, 1/4-20 x .625
9	757-04146A	Seat w/ Arms
10	712-04092	Speed Nut, 1/4-20, U-Type
11	935-0199A	Bumper, .62 x .22
12	750-05373	Spacer, .281 x .750 x .680
13	703-07668E	Seat Base
14	710-04043	Hex Washer Screw, 5/16-18
15	712-04063	Flange Lock Nut, 5/16-18
16	732-04561	Comp. Spring, 1.71 x 3.735 x .238
17	938-0296	Shoulder Screw, 5/16-18 x .437 x .268

Steering Column & Axles

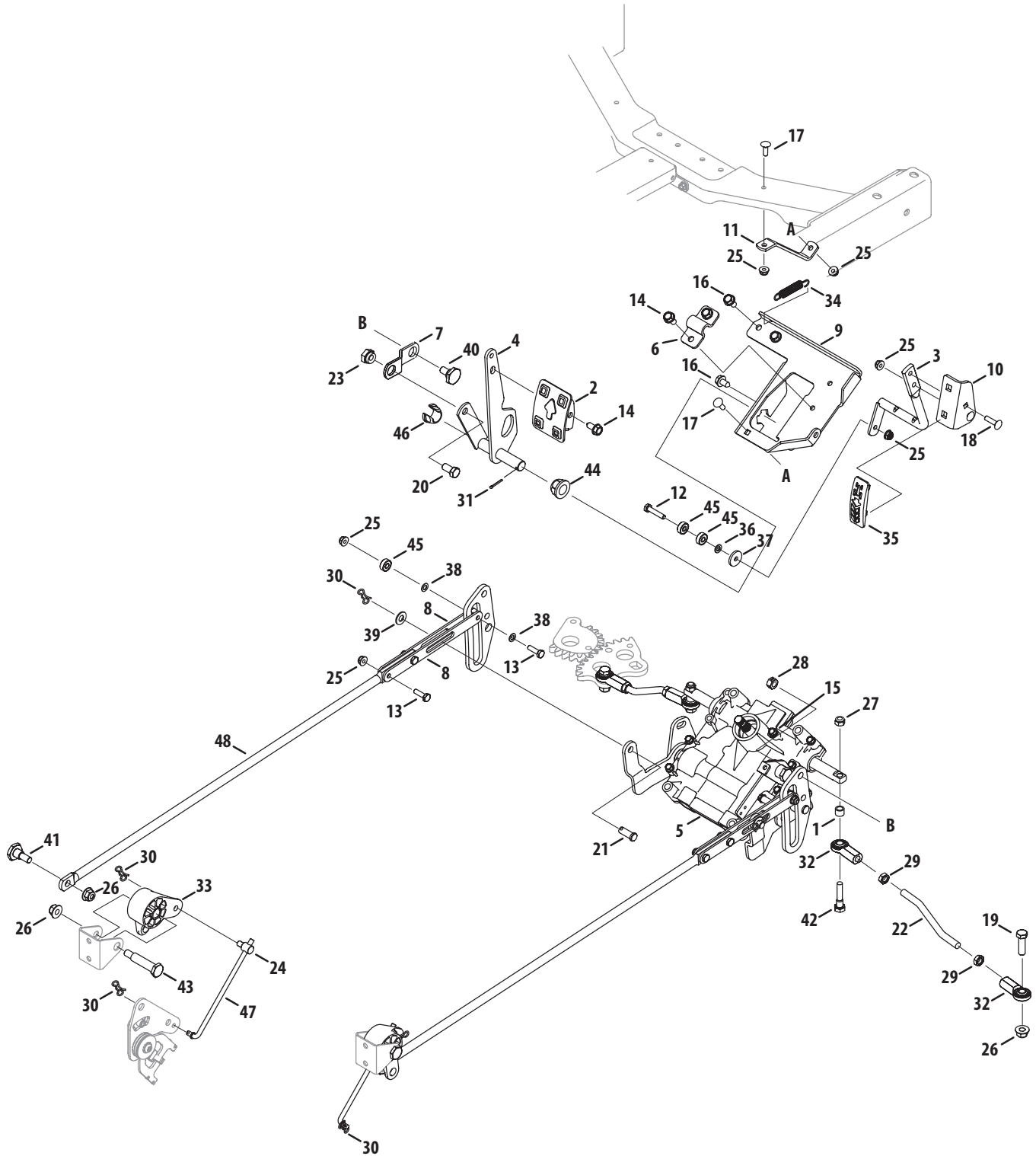


Steering Column & Axles

Ref.	Part Number	Description
1	02004124	Socket Head Screw, 5/16-18 x 1.00
2	603-04744A	Caster Bracket Assembly
3	603-04949	Upper Steering Column Assembly
4	603-04767	Tilt Release Pedal Assembly
5	603-04772	Front Bumper Frame Assembly
6	631-04008A	Steering Wheel Assembly
7	703-07349	Lower Steering Wheel Column
8	703-07352	Lower Column Cover
9	703-07424	Tilt Steering Pedal
10	703-07486	Front Frame Brace
11	703-07611	Damper Pivot Lower Bracket
12	703-07613A	Tilt Action Lever
13	703-07624A	Steering Mount Box Plate
14	710-0376	Hex Screw, 5/16-18 x 1.00
15	710-0395	Hex Screw, 5/16-18 x 2.25
16	710-0411	Hex Screw, 3/8-16 x 4.00
17	710-04484	Hex Washer Screw, 5/16-18 x .750
18	710-05070	Screw, 1/4-20 x .5
19	710-0514	Hex Screw, 3/8-16 x 1.00
20	710-0528	Hex Screw, 5/16-18 x 1.25
21	710-1260A	Hex Washer Screw, 5/16-18 x 750
22	710-1880	Hex Screw, 5/16-18 x .75
23	710-3085	Hex Screw, 3/8-16 x 3.50
24	714-0162	Cotter Pin
25	711-05281	Pivot Gear Steering Shaft
26	712-04063	Flange Lock Nut, 5/16-18
27	712-04065	Flange Lock Nut, 3/8-16

Ref.	Part Number	Description
28	912-3009	Hex Lock Nut, 5/16-18
29	914-0507	Cotter Pin, 3/32 x .750
30	916-0231	E-Ring, .750
31	717-04692	13-Tooth Variable Spur Gear
32	717-04696	12-Tooth Variable Gear
33	917-04998	Steering Shaft
34	719-04556	RH Tpr. Bearing Caster Pivot Axle
35	719-04557	LH Tpr. Bearing Caster Pivot Axle
36	927-04320	Locking Damper Cylinder, 80MM
37	731-04532B	Steering Wheel Cover
38	731-07358B	Column Cover
39	731-07348	Axle Cap
40	741-04548	Bearing Cup
41	736-0242	Bell Washer, .340 x .872 x .060
42	736-0343	Flat Washer, .330 x 1.25 x .120
43	741-04549	Cone Bearing
44	936-0504	Wave Washer, .510 x .750 x .017
45	721-04462	Seal
46	736-3078	Flat Washer, .344 x 1.00 x .063
47	738-0143	Shoulder Bolt, 3/8-16 x .496 x .336
48	750-05693	Tube, .31 ID x .50 OD x 3.56
49	741-0338	Flange Bearing, 3/4 x .52
50	750-05600	Spacer, 1.00 ID x 1.50 OD x .437
51	948-0209	Flange Bearing, .630 x 1.50
52	748-04139	Steering Shaft Block
53	712-0359	Slotted Nut
54	710-3119	Hex Screw, 3/8-16 x .750

Steering Linkage & Pedal Controls

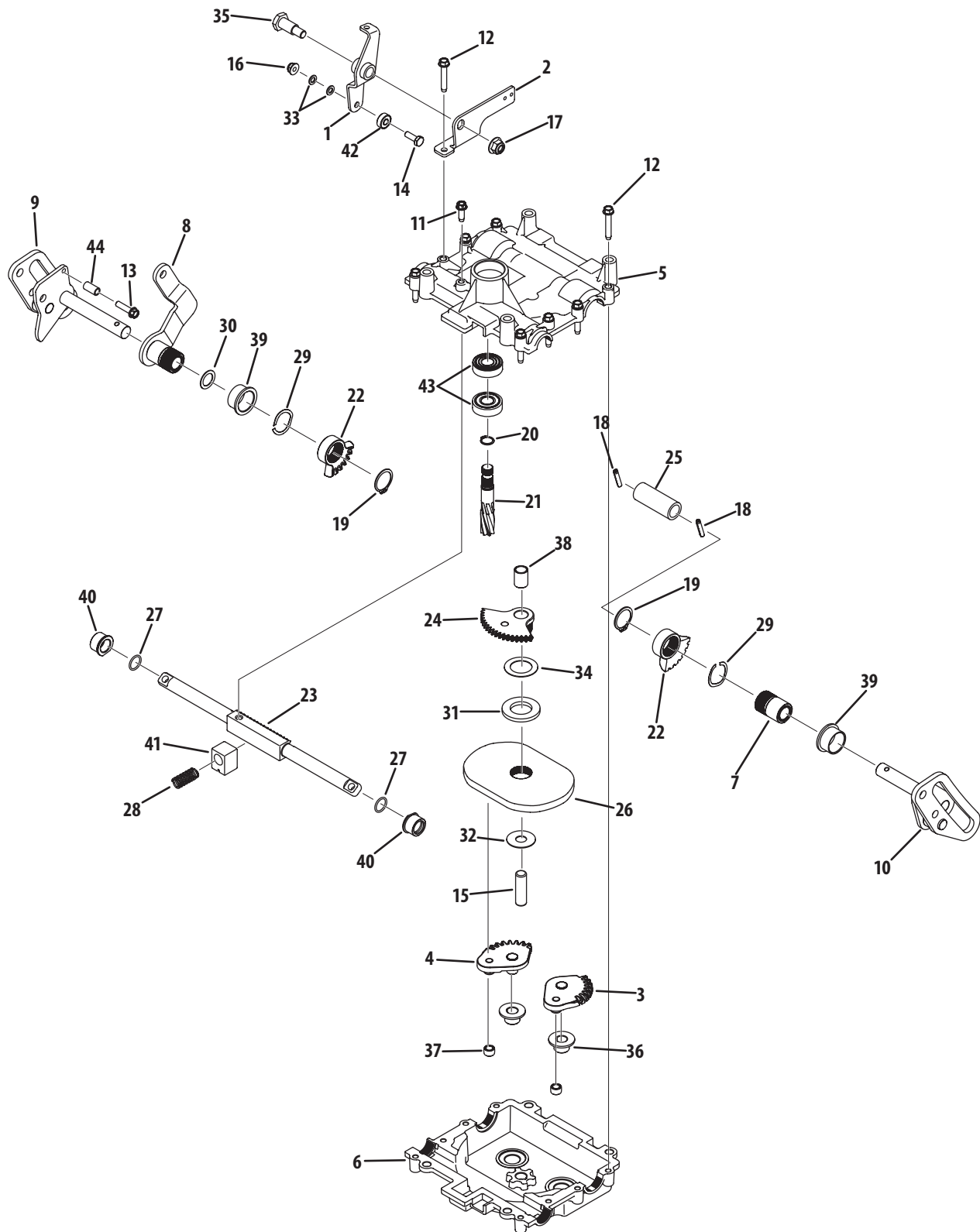


Steering Linkage & Pedal Controls

Ref.	Part Number	Description
1	02003170	Spacer, 344 x .500 x .375
2	603-04752	Forward Pedal Assembly
3	603-04849	Reverse Pedal Rod
4	603-04850	Forward Bracket Assembly
5	918-04846B	Steering Assembly
6	703-07465	Reverse Bearing Bracket
7	703-07466B	Control Bracket
8	703-07567	Steering Link Plate
9	703-07642D	Pedal Mount Bracket
10	703-07675A	Reverse Pedal Bracket
11	703-07786A	Pedal Mount Plate Support Bracket
12	710-0106	Hex Head Screw, 1/4-20 x 1.25
13	710-0206	Hex Screw, 1/4-20 x .875
14	710-04484	Hex Washer Screw, 5/16-18 x .750
15	710-0599	Hex Washer Screw, 1/4-20 x .500
16	710-0604A	Hex Washer Screw, 5/16-18 x .625
17	710-0703	Carriage Screw, 1/4-20 x .75
18	710-0932A	Carriage Screw, 1/4-20 x 1.00
19	710-3005	Hex Screw, 3/8-16 x 1.25
20	710-3119	Hex Screw, 3/8-16 x .750
21	711-0173	Clevis Pin, .375 x .969
22	711-05270	Rod, 3/8 x 5.0
23	711-05274	Neutral Adjustment Hub
24	711-05364	Adjustment Ferrule, 1/4-28 x 1.000
25	712-04064	Flange Lock Nut, 1/4-20

Ref.	Part Number	Description
26	712-04065	Flange Lock Nut, 3/8-16
27	912-0411	Hex Lock Nut, 5/16-24
28	912-3000	Hex Lock Nut, 3/8-16
29	712-0711	Jam Nut, 3/8-24
30	714-04040	Bow-Tie Cotter Pin, 72
31	914-0507	Cotter Pin, 3/32 x .750
32	723-04080	Female Ball-Joint
33	731-07616	Pivot Arm, LH
	731-07615	Pivot Arm, RH
34	932-04262	Extension Spring, .429 x 2.515
35	735-04113	Reverse Foot Pad
36	936-0142	Flat Washer, .281 x .500 x .063
37	936-0176	Flat Washer, .265 x .938 x .120
38	736-04299	Flat Washer, .281 x .50 x .04
39	936-0864	Thrust Washer, .375 x .812 x .060
40	738-0322A	Shoulder Screw, .625 x .217
41	738-04409	Shoulder Screw, .500 x .434
42	738-04427	Shoulder Screw, 375 x .48
43	738-0509	Shoulder Screw, .500 x 1.825
44	941-0225	Hex Flange Bearing
45	741-04280	Ball Bearing, .25 x .6875 x .25
46	741-3065B	Hex Flange Bearing, .628
47	747-05311	Hydro Control Rod
48	747-05397	Hydro Link Rod

Steering Assembly

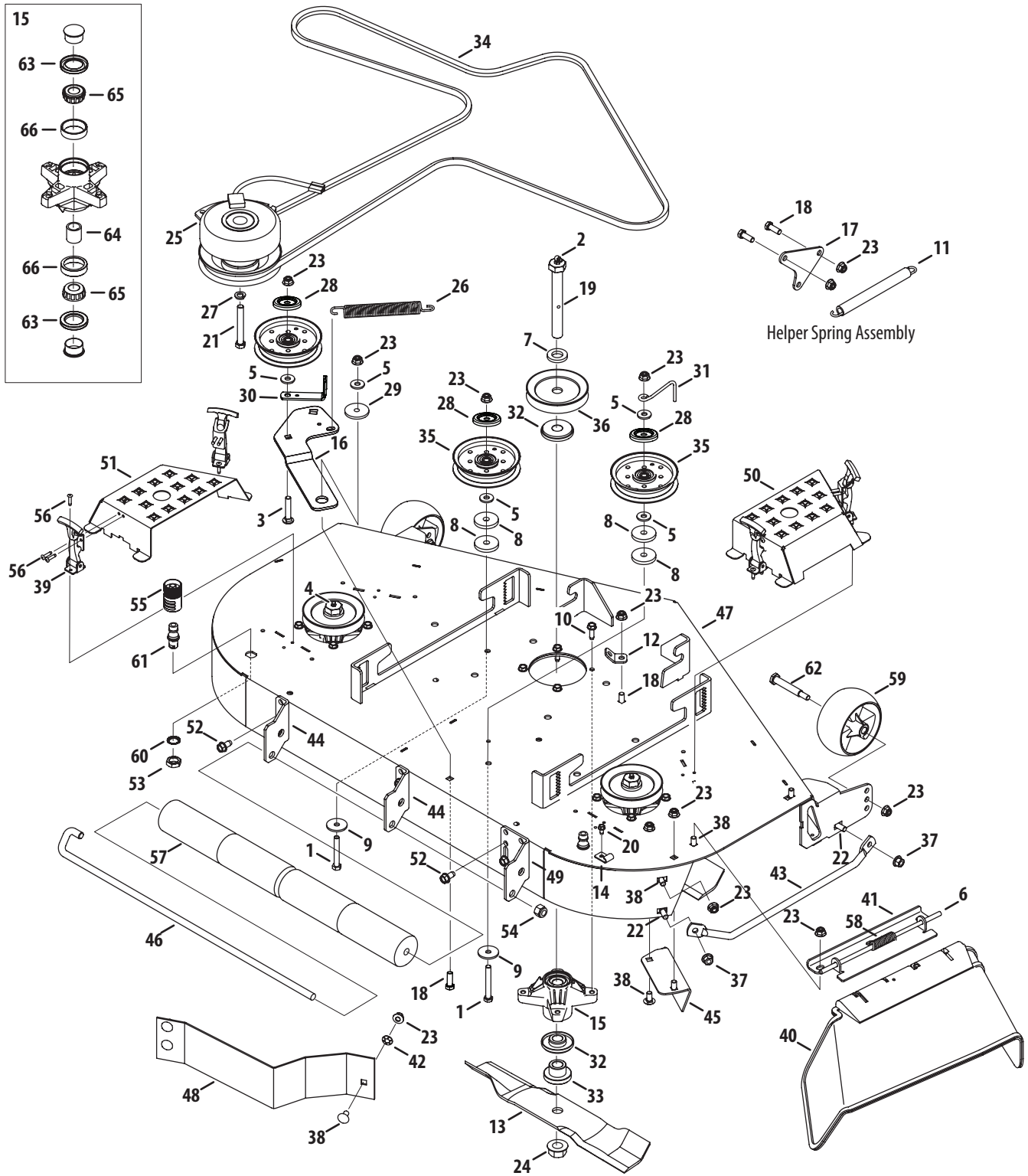


Steering Assembly

Ref.	Part Number	Description
1	603-04776	Cam Plate Assembly
2	603-04777	Neutral Bracket
3	617-04047	LH Steering Gear Assembly
4	617-04048	RH Steering Gear Assembly
5	919-04261B	Upper Steering Housing
6	919-04262B	Lower Steering Housing
7	647-04191	Vertical Hydro LH Arm Assembly
8	647-04192	Vertical Hydro RH Arm Assembly
9	647-04224	RH Cam Assembly
10	647-04222	LH Cam Assembly
11	710-0642	Hex Washer Screw, ¼-20 x 0.750
12	710-0778	Hex Washer Screw, ¼-20 x 1.500
13	710-0788	Hex Washer Screw, ¼-20 x 1.000
14	710-3015	Hex Screw, ¼-20 x .75
15	911-04587A	Steering Shaft
16	912-0291	Hex Lock Nut, ¼-20
17	712-04065	Flange Lock Nut, ¾-16
18	715-0120	Spirol Pin, ¾ x 1.00
19	916-0102	Snap Ring, 1.0
20	916-0114	Retaining Ring, .56
21	717-04318	Pinion Gear, 7-Tooth
22	917-04330	Steering Gear, 26-Tooth

Ref.	Part Number	Description
23	717-04730	Synchro Rack Gear
24	917-04732A	Steering Gear, 53-Tooth
25	718-04757	Speed Cam Tube
26	718-04644	Hydro Steering Cam
27	721-04186	O-Ring, .625 x .07
28	732-04523	Compression Spring, .531 x 1.25
29	732-04711	Wave Spring, 24.22 x 32 x 1.98
30	936-0256	Flat Washer, .635 x .930 x .033
31	936-0274	Flat Washer, 1.01 x 1.75 x .172
32	736-04237	Flat Washer, .508 x 1.325 x .040
33	736-04498	Flat Washer, .260 x .455 x .048
34	736-0615	Thrust Washer, 1.007 x 1.542 x .03
35	938-0145	Shoulder Screw, ¾-16 x .500 x .835
36	741-04203	Flange Bearing, .5 x .700
37	741-04204	Sleeve Bearing, .437 x .3425
38	741-04206A	Sleeve Bearing, .623 x .5025 x .800
39	741-04231	Sleeve Bearing, 1.2 x 1.00
40	741-04235	Flange Bearing, .625 x .875
41	741-04257	Rack Caster Bearing
42	741-04280	Ball Bearing, .25 x .6875 x .25
43	741-0747	Ball Bearing, .5625 x 1.375 x .4375
44	750-05369	Spacer, .260 x .375 x .75

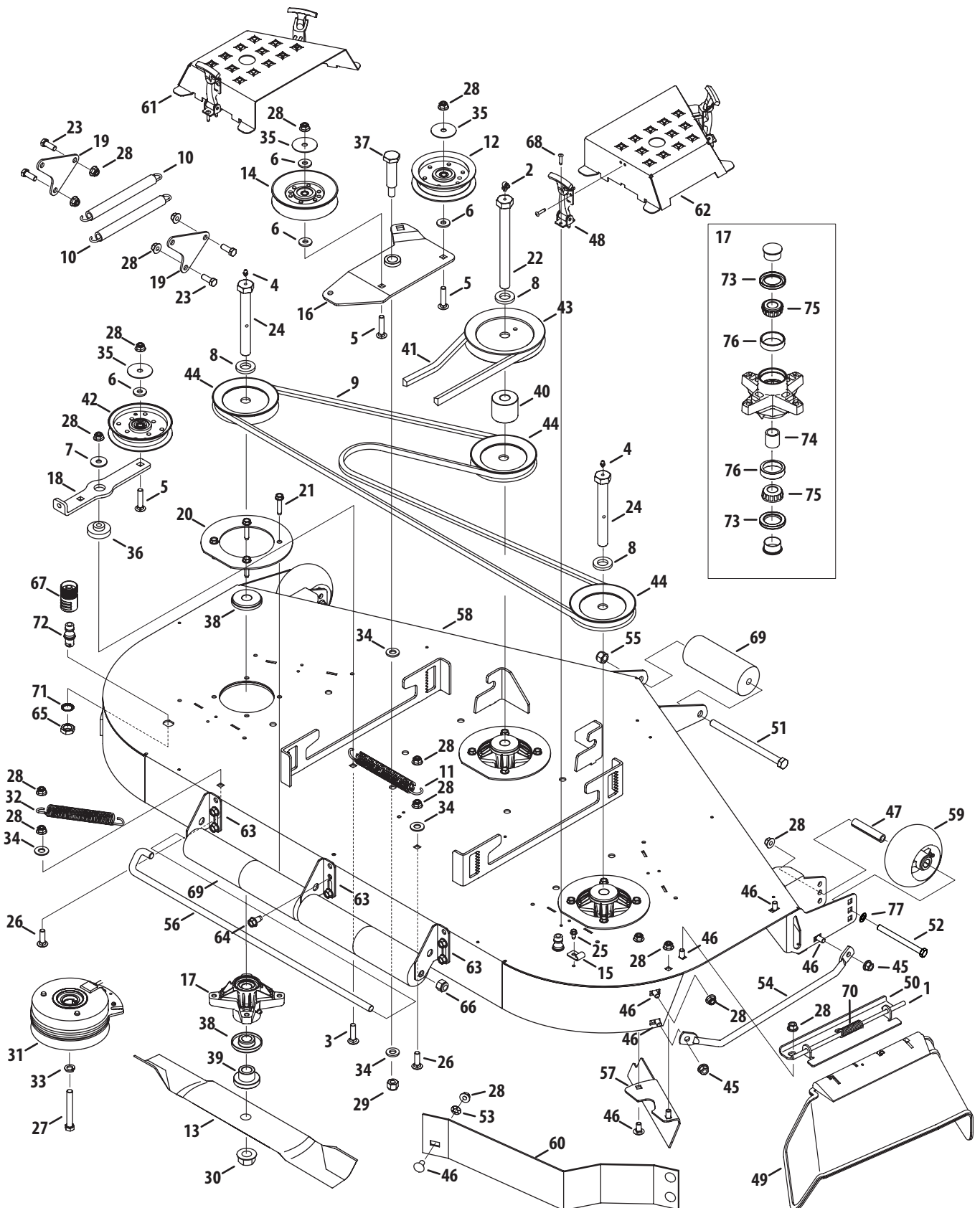
48" Deck



Ref.	Part Number	Description
1	710-0859	Hex Screw, 3/8-16 x 2.50
2	737-04022	Grease Fitting, 1/4-28 x .788
3	710-04157	Carriage Bolt, 3/8-16 x 2.00
4	737-04345	Straight Grease Fitting, 1/4-28
5	736-3052	Washer, .406 x 1.00 x .105
6	747-3384	Chute Deflector Rod
7	750-05553	Spacer, .812 x 1.47 x .218
8	736-3017	Washer, .470 x 1.50 x .225
9	936-0227	Washer, .390 x 1.50 x .134
10	710-0602	Flange Hex TT Screw, 5/16-18 x 1.00
11	02002629	Hook Ext. Spring, .75 x 7.89 x .14
12	02004195	45-Degree Spring Mount Bracket
13	942-04417	Hi-Lift Blade, 17.0
14	96606	Retainer Hook Bracket
15	918-3129C	Deck Spindle Assembly
16	703-07616B	48" Plate Idler
17	703-07641	Spring Mount Plate
18	710-0514	Hex Screw, 3/8-16 x 1.00
19	710-05173A	Hex Screw, 3/4-16 x 6.00
20	710-0599	Hex Washer TT Screw, 1/4-20 x .500
21	710-3157A	Hex Screw, 7/16-20 x 3.25
22	710-3168	Carriage Bolt, 3/8-16 x 1.00
23	712-04065	Flange Lock Nut, 3/8-16
24	712-3078	Flange Lock Nut, 3/4-16
25	917-05000	Electric PTO Clutch
26	932-0594A	Extension Spring, .91 x 7.33
27	936-0171	Lock Washer, 7/16
28	783-07236	Pulley Cap
29	738-04392	Shoulder Spacer, .884 x .190
30	783-06368A	Belt Guard Bracket
31	747-04938	Belt Keeper Rod
32	748-3065A	Deck Spindle Spacer
33	750-05282	Spindle Spacer, .76 x 2.0 x 1.1

Ref.	Part Number	Description
34	954-04044A	Hi-Performance Belt
35	756-04129B	Idler Pulley
36	756-3089	V-Type Pulley
37	712-05007	Counterlock Flange Nut, 3/8-16
38	710-3178	Carriage Bolt, 3/8-16 x .75
39	935-04038	T-Handle Latch Draw
40	01006693P	Fab Deck Deflector Chute
41	01006748	Deflector Chute Bracket
42	712-0229	Push Retainer Nut
43	01008644	Fab Deck Chute Finger Guard
44	01008790	Deck Roller Mount Bracket, Right
45	02001235	Micro Chute Baffle
46	02002799	J-Hook w/ Threaded Roller
47	603-04884	48" Welded Deck
48	703-07346A	48" Standard Baffle
49	703-08076	Deck Roller Mount Bracket
50	703-08263	48" RH Belt Cover
51	703-08267	48" LH Belt Cover
52	710-0623	Screw TT, 3/8-16 x .75
53	912-0641	Hex Nut, M16-1.5
54	712-3083	Lock Nut, Nylon Insert, 1/2-13
55	921-04041	Water Nozzle Adapter
56	928-0173	Pop Rivet, .187 Dia.
57	731-3005	Front Roller
58	732-04797	Spring Torsion, 0.639 ID x 2.16 LG
59	734-04155	Deck Wheel, 5.0
60	936-0760	Lock Washer, 17 x 23.8 x 1.95
61	737-04003D	Water Deck Nozzle
62	938-3056	Shoulder Bolt, 3/8-16 x .496 x 2.50
63	921-3018A	Oil Seal
64	750-04409	Spacer, .78 x 1.0
65	941-04089	Cone Bearing
66	941-04091	Cup Bearing

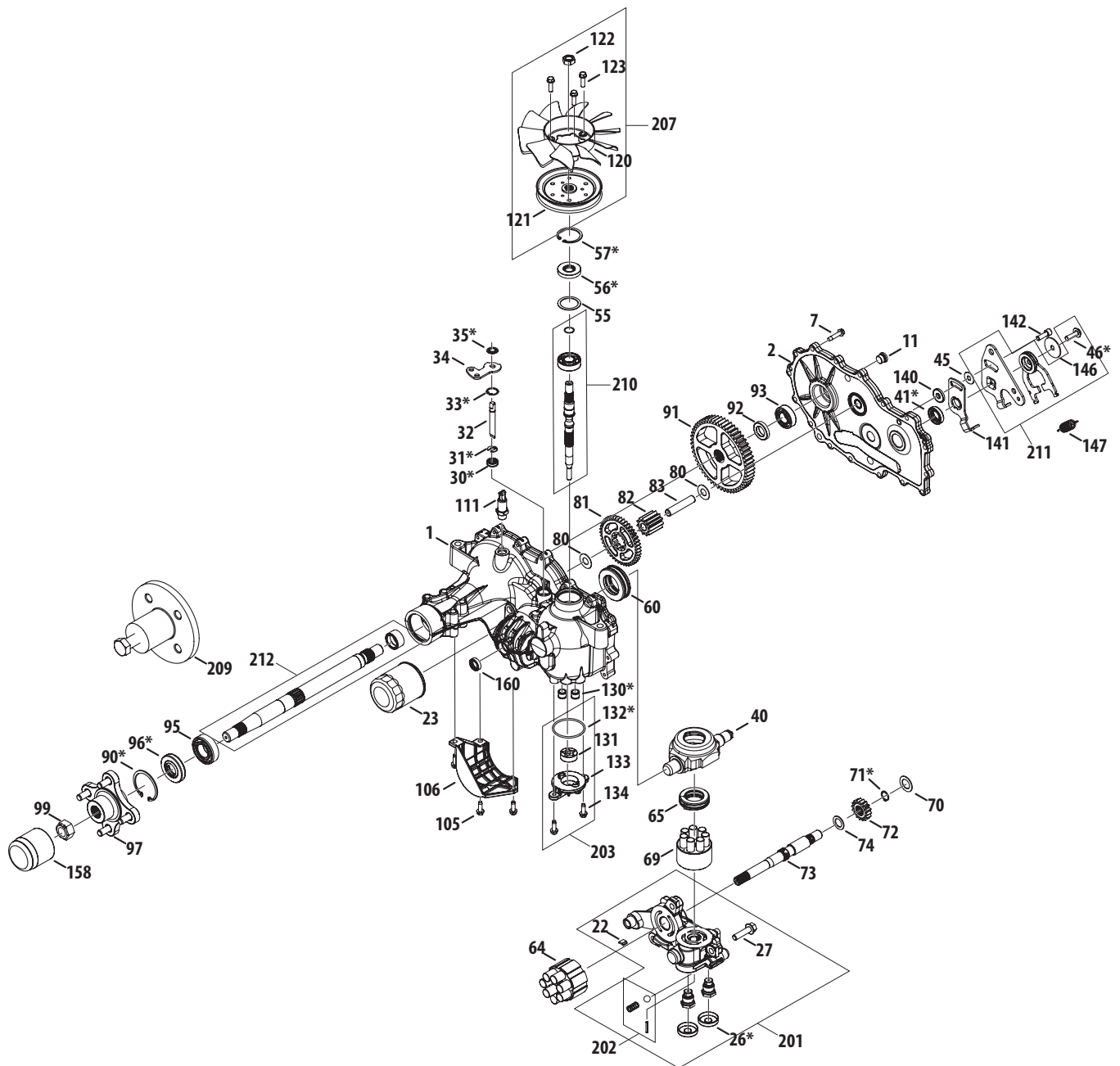
60" Deck



Ref.	Part Number	Description
1	747-3384	Chute Deflector Rod
2	737-04022	Grease Fitting, 1/4-28 x .788
3	710-0431	Carriage Bolt, 3/8-16 x 1.50
4	737-04345	Straight Grease Fitting, 1/4-28
5	710-05376	Carriage Bolt, 3/8-18 x 1.75
6	736-3052	Washer, .406 x 1.00 x .105
7	936-0133	Washer, .411 x 1.25 x 1.00
8	750-05553	Spacer, .812 x 1.47 x .218
9	01005376	V- Belt
10	02002629	Hook Ext. Spring, .75 x 7.89 x .14
11	732-04960	Hook Ext. Spring, .94 x 7.57 x .14
12	02004447	Idler Pulley, 4.88
13	942-04415	Hi-Lift Blade, 21.0
14	756-04522	Idler Pulley, 5.06
15	96606	Retainer Hook Bracket
16	603-04839	60" Idler Assembly
17	918-3129C	Deck Spindle Assembly
18	703-07010	Deck Idler Arm
19	703-07641	Spring Mount Plate
20	703-07787	Spindle Reinforcement Plate
21	710-04605	Screw TT, 5/16-18 x 1.50
22	710-05110A	Hex Screw, 3/4-16 x 8.0
23	710-0514	Hex Screw, 3/8-16 x 1.00
24	710-05173A	Hex Screw, 3/4-16 x 6.00
25	710-0599	Hex Washer TT Screw, 1/4-20 x .500
26	710-3034	Carriage Bolt, 3/8-16 x 1.25
27	710-3157A	Hex Screw, 7/16-20 x 3.25
28	712-04065	Flange Lock Nut, 3/8-16
29	912-3058	Hex Lock Nut, 1/2-20
30	712-3078	Flange Lock Nut, 3/4-16
31	917-04754A	Electric PTO Clutch
32	932-0594A	Extension Spring, .91 x 7.33
33	936-0171	Lock Washer, 7/16
34	936-0326	Washer, .510 x 1.00 x .125
35	736-3040	Flat Washer, .406 x 1.92 x .060
36	738-04376	Shoulder Spacer, .854 x .280
37	738-04462	Shoulder Bolt, .74 Dia. x 2.47
38	748-3065A	Deck Spindle Spacer
39	750-05420	Spindle Spacer, .76 x 2.00 x 1.1

Ref.	Part Number	Description
40	750-05496	Spacer, .76 x 2.0 x 1.1
41	954-04262	Belt
42	756-04129B	Idler Pulley, 4.25
43	756-04458A	V-Type Pulley
44	956-1209	V-Type Pulley
45	712-05007	Counterlock Flange Nut, 3/8-16
46	710-3178	Carriage Bolt, 3/8-16 x .75
47	750-3193	Spacer, .390 x .620 x 3.04
48	935-04038	T-Handle Latch Draw
49	01006693P	Fab Deck Deflector Chute
50	01006748	Deflector Chute Bracket
51	710-05385	Hex Screw, 1/2-20 x 7.50
52	710-0411	Hex Screw, 3/8-16 x 4.00
53	712-0229	Push Retainer Nut
54	01008644	Fab Deck Chute Finger Guard
55	712-04316	Nylock Nut, 1/2-20
56	02002799	J-Hook w/ Threaded Roller
57	02005195	Deck Chute Baffle
58	603-04885	60" Welded Deck
59	634-3159	Deck Wheel
60	703-07516A	Standard Baffle
61	703-08270	60" LH Belt Cover
62	703-08271	60" RH Belt Cover
63	703-08454	Roller Mount Bracket
64	710-0623	Screw TT, 3/8-16 x .75
65	912-0641	Hex Nut, M16-1.5
66	712-3083	Lock Nut, Nylon Insert, 1/2-13
67	921-04041	Water Nozzle Adapter
68	928-0173	Pop Rivet, .187 Dia.
69	731-3005	Front Roller
70	732-04797	Spring Torsion, 0.639 ID x 2.16 LG
71	936-0760	Lock Washer, 17 x 23.8 x 1.95
72	737-04003D	Water Deck Nozzle
73	921-3018A	Oil Seal
74	750-04409	Spacer, .78 x 1.0
75	941-04089	Cone Bearing
76	941-04091	Cup Bearing
77	936-0314	Thrust Washer, .375 x .70 x .030

RH Transmission 918-04996A

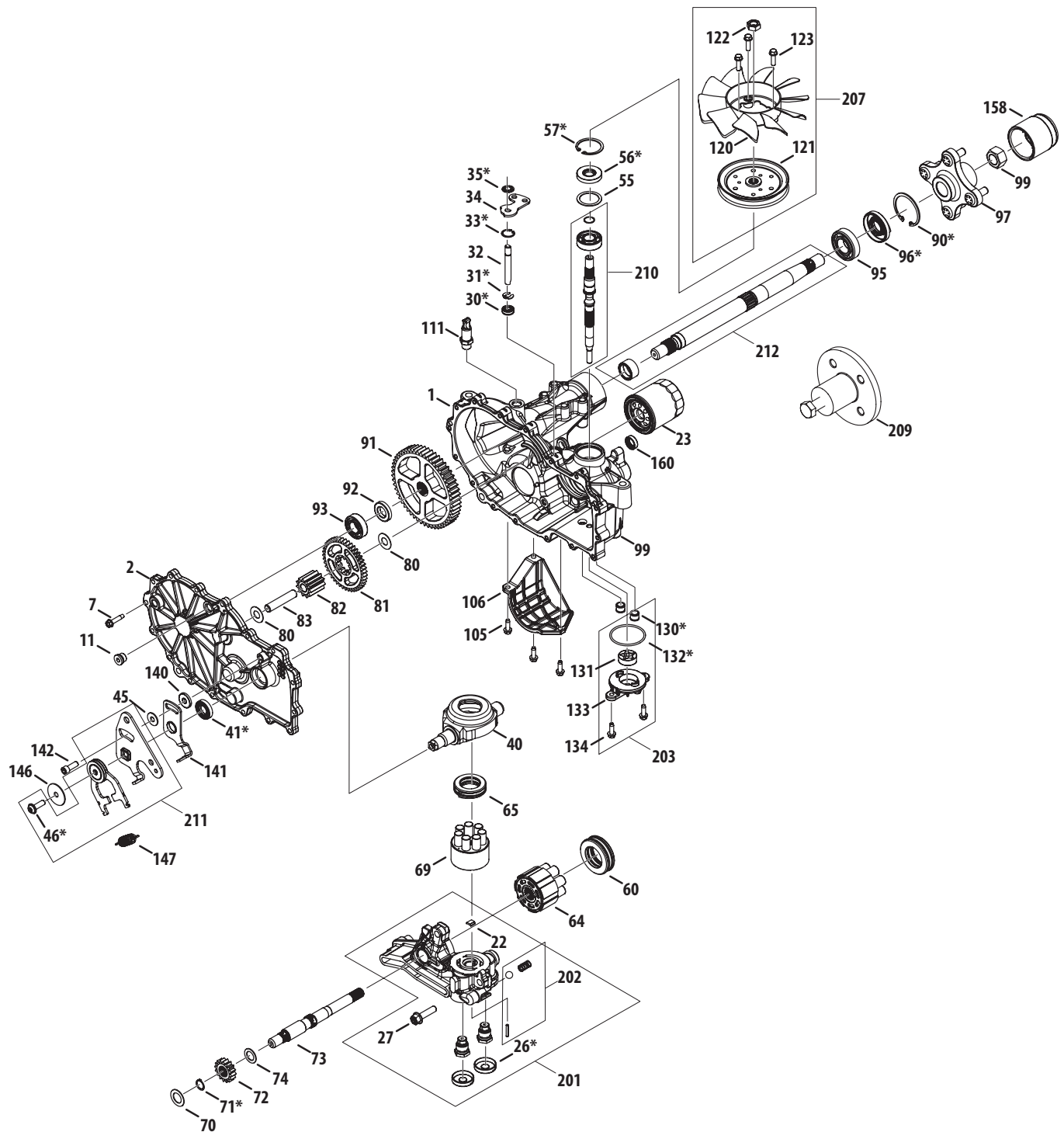


* Parts Included in Seal Kit

Ref	Part Number	Description
1	HG-72189	Kit, Housing, Main, RH
2	HG-72226	Kit, Cover, Side, RH
7	HG-53246	Hex Cap Screw, 1/4-20 x 1.125
11	HG-9005110-5600	Plug, 9/16-18
22	HG-51448	Plate, Bypass
23	HG-52114P	Oil Filter
26	HG-52162	Seal, Plug, 1.25 x .25
27	HG-52137	Hex Cap Screw, 3/8-16 x 1.5
30	HG-51626	Seal, Lip .375 x .75 x .25
31	HG-51628	Ring, Ret .375 External
32	HG-52136	Rod, Bypass
33	HG-51627	Ring, Ret .75 Internal
34	HG-52742	Arm, Bypass
35	HG-51630	Ring, Retaining .375 External
40	HG-51048	Trunnion, Swashplate
41	HG-51140	Seal, Lip 12 x 32 x 7
45	736-0371	Washer, .34 x .88 x .06
46	HG-51812	Hex Cap Screw, 5/16-24 x 1.00
55	HG-50951	Washer, 1.23 x 1.56 x .04
56	HG-51161	Seal, Lip 17 x 40 x 7
57	HG-50329	Ring, Retaining
60	HG-51462	Bearing Thrust
64	HG-71579	Cylinder Block Assembly
65	HG-50551P	Thrust Ball Bearing, 30 x 52 x 13
69	HG-70723	Block 7 Piston Assembly
70	HG-44371	Washer, .63 x 1.0 x .05
71	HG-44145	Retaining Ring, .625
72	HG-52341	Gear, 14t
73	HG-53136	Motor Shaft
74	HG-51069	Washer, .72 x 1.16 x .04
80	HG-50132	Washer, .5 x 1.0 x .03
81	HG-52110	Gear, 45t
82	HG-52586	Gear, 11t
83	HG-51083	Jack Shaft
90	HG-50859	Retaining Ring, 2.06 Internal

Ref	Part Number	Description
91	HG-52108	Gear, 54t
92	HG-53336	Spacer, .75 x 1.32 x .257
93	HG-44121P	Ball Bearing, .75 x 40 x 12
95	HG-53656	Ball Bearing, 1.0 x 52 x 15
96	HG-53699	Seal, Lip 25 x 52 x 10
97	HG-71445	Kit, Hub, 4 Bolt
99	HG-53768	Nut, 3/4-16, Hex Lock
105	HG-50752	Hex Cap Screw, 1/4-20 x .75
106	HG-53655	Guard, Filter, RH
111	HG-71393	Fitting, 9/16-18 SAE .5 Barb
120	HG-53824	Fan 7", 10 Blade
121	HG-53806	Disc, Pulley
122	HG-44133	Nut, 1/2-20, Hex Jam
123	HG-51076	Hex Cap Screw, 1/4-20 x .875
130	HG-52157	Connecting Tube
131	HG-50273	Gerotor Assembly
132	HG-52250	O-Ring, -137, .103 x 2.050
133	HG-53738	Charge Pump Cover
134	HG-50752	Hex Cap Screw, 1/4-20 x .75
140	HG-52527	Spacer, .320 x 1.005 x .179
141	HG-51946	Neutral Left Arm
142	HG-71341	Hex Cap Screw, 5/16-24
146	HG-54244	Washer, .343 x 1.5 x .062
147	HG-52401	Extension Spring, .57 x 2"
158	HG-53501	Axle Cap
160	HG-53138	Seal, Lip, .625 x .875 x .25
201	HG-71565	Kit, Center Section, RH
202	HG-71436	Kit, Charge Relief
203	HG-72274	Kit, Charge Pump
207	HG-72126	Kit, Fan & Pulley
209	HG-71459	Hub Puller, 4 Bolt
210	HG-71442	Kit, Input Shaft
211	HG-71592	Kit, RTN, Bidirectional
212	HG-71570	Kit, Shaft, Axle
NS	HG-71410	Kit, Seal

LH Transmission 918-04997A

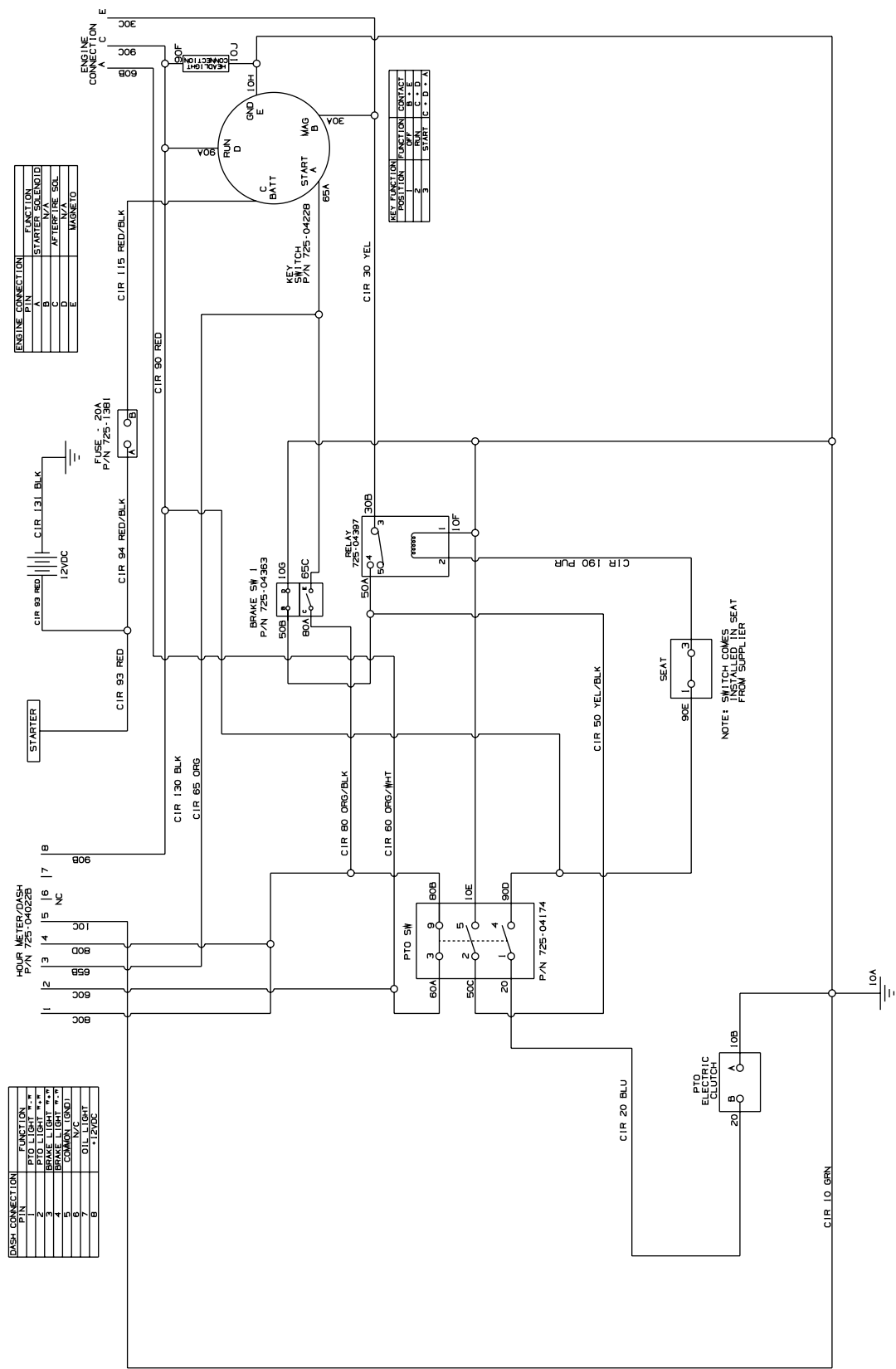


* Parts Included in Seal Kit

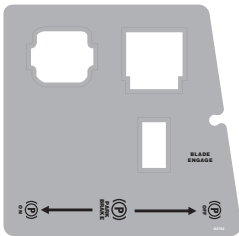
Ref	Part Number	Description
1	N/A	Kit, Housing, Main, LH
2	HG-72227	Kit, Cover, Side, LH
7	HG-53246	Hex Cap Screw, 1/4-20 x 1.125
11	HG-9005110-5600	Plug, 9/16-18
22	HG-51448	Plate, Bypass
23	HG-52114P	Oil Filter
26	HG-52162	Seal, Plug, 1.25 x .25
27	HG-52137	Hex Cap Screw, 3/8-16 x 1.5
30	HG-51626	Seal, Lip .375 x .75 x .25
31	HG-51628	Ring, Ret .375 External
32	HG-52136	Rod, Bypass
33	HG-51627	Ring, Ret .75 Internal
34	HG-52742	Arm, Bypass
35	HG-51630	Ring, Retaining .375 External
40	HG-51048	Trunnion, Swashplate
41	HG-51140	Seal, Lip 12 x 32 x 7
45	736-0371	Washer, .34 x .88 x .06
46	HG-51812	Hex Cap Screw, 5/16-24 x 1.00
55	HG-50951	Washer, 1.23 x 1.56 x .04
56	HG-51161	Seal, Lip 17 x 40 x 7
57	HG-50329	Ring, Retaining
60	HG-51462	Bearing, Thrust
64	HG-71579	Cylinder Block Assembly
65	HG-50551P	Thrust Ball Bearing, 30 x 52 x 13
69	HG-70723	Block 7 Piston Assembly
70	HG-44371	Washer, .63 x 1.0 x .05
71	HG-44145	Retaining Ring, .625
72	HG-52341	Gear, 14t
73	HG-53136	Motor Shaft
74	HG-51069	Washer, .72 x 1.16 x .04
80	HG-50132	Washer, .5 x 1.0 x .03
81	HG-52110	Gear, 45t
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83	HG-51083	Jack Shaft
90	HG-50859	Retaining Ring, 2.06 Internal

Ref	Part Number	Description
91	HG-52108	Gear, 54t
92	HG-53336	Spacer, .75 x 1.32 x .257
93	HG-44121P	Ball Bearing, .75 x 40 x 12
95	HG-53656	Ball Bearing, 1.0 x 52 x 15
96	HG-53699	Seal, Lip 25 x 52 x 10
97	HG-71445	Kit, Hub, 4 Bolt
99	HG-53768	Nut, 3/4-16, Hex Lock
105	HG-50752	Hex Cap Screw, 1/4-20 x .75
106	HG-53644	Guard, Filter, LH
111	HG-71393	Fitting, 9/16-18 SAE .5 Barb
120	HG-53824	Fan 7", 10 Blade
121	HG-53806	Disc, Pulley
122	HG-44133	Nut, 1/2-20, Hex Jam
123	HG-51076	Hex Cap Screw, 1/4-20 x .875
130	HG-52157	Connecting Tube
131	HG-50273	Gerotor Assembly
132	HG-52250	O-Ring, -137, .103 x 2.050
133	HG-53738	Charge Pump Cover
134	HG-50752	Hex Cap Screw, 1/4-20 x .75
140	HG-52527	Spacer, .320 x 1.005 x .179
141	HG-51945	Neutral Right Arm
142	HG-71341	Hex Cap Screw, 5/16-24
146	HG-54244	Washer, .343 x 1.5 x .062
147	HG-52401	Extension Spring, .57 x 2"
158	HG-53501	Axle Cap
160	HG-53138	Seal, Lip, .625 x .875 x .25
201	HG-71566	Kit, Center Section, LH
202	HG-71436	Kit, Charge Relief
203	HG-72274	Kit, Charge Pump
207	HG-72126	Kit, Fan & Pulley
209	HG-71459	Hub Puller, 4 Bolt
210	HG-71442	Kit, Input Shaft
211	HG-71588	Kit, RTN, Bidirectional
212	HG-71570	Kit, Shaft, Axle
NS	HG-71410	Kit, Seal

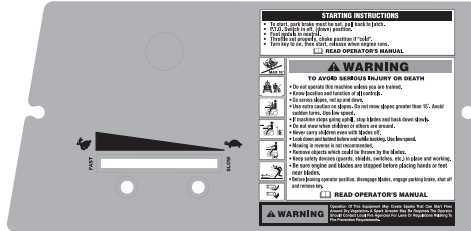
Electrical Schematic



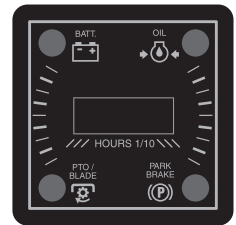
777I23762



777S34205



777I22885



777S34215



777D17100
Centered on rear fender



777X46245



777D17096
Centered on Seat Box



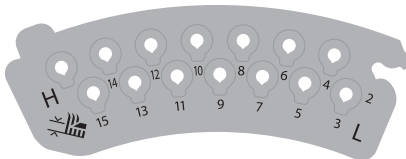
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777D17099



777I23540



777I23307



777D17033



777D16562



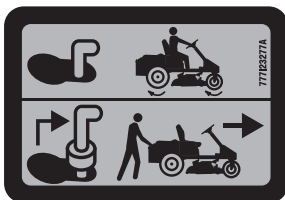
777S32328



777D16524



777I23277A



777S33832



777D17098
On Both Sides of Unit



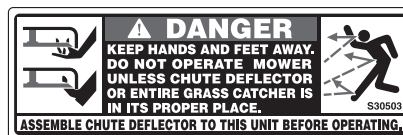
777D13957



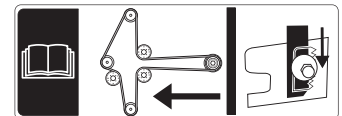
777S32598



777S30503



777I23275 48" Only



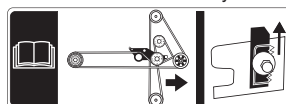
777D15402



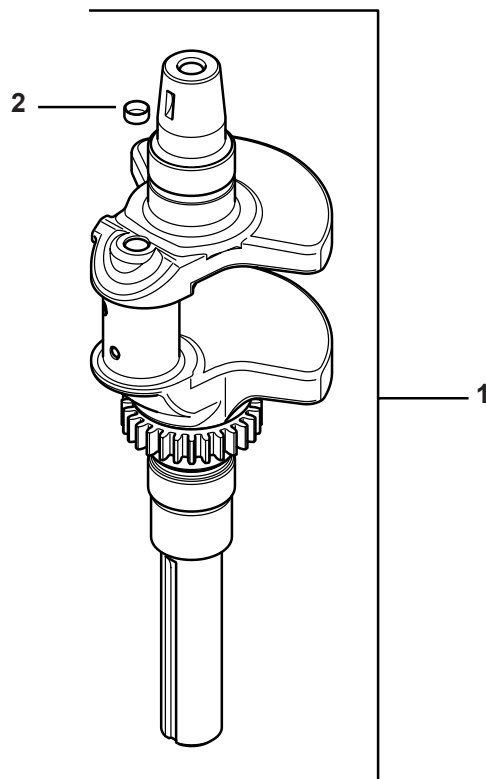
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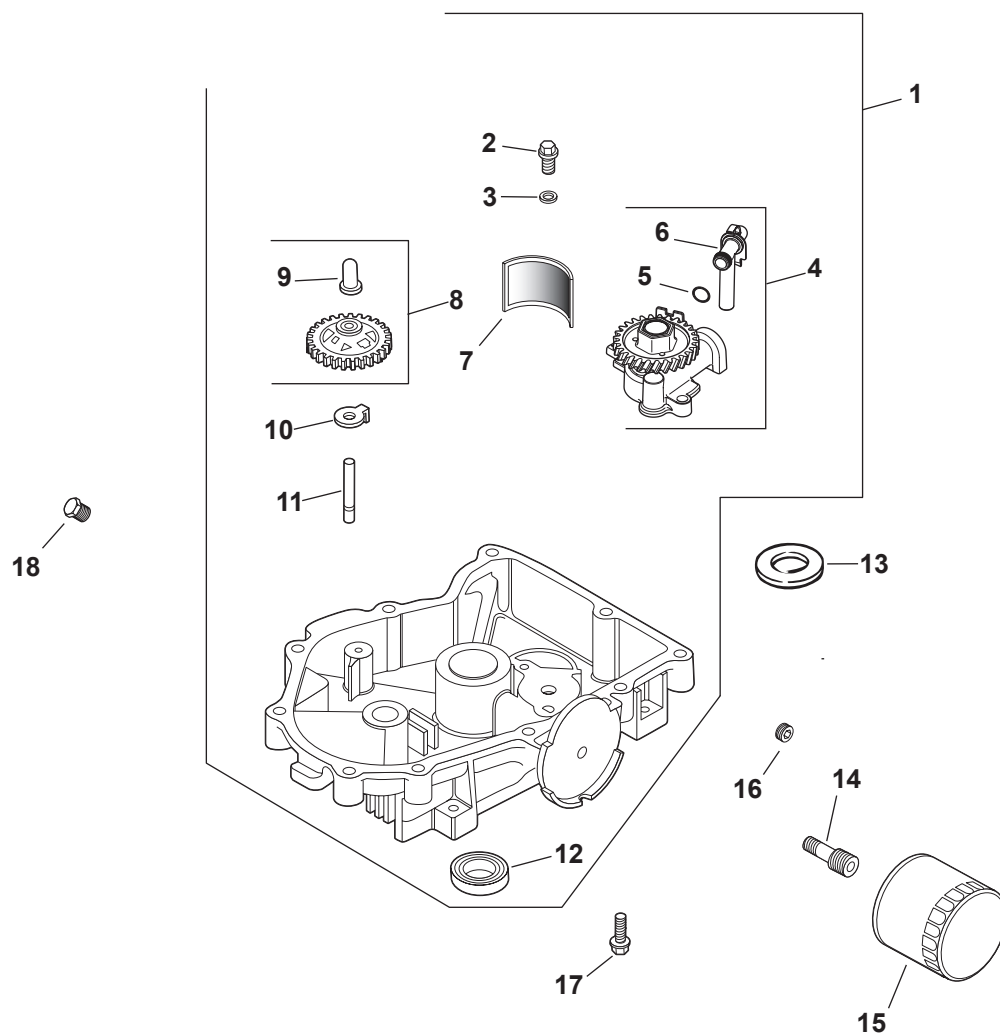
777I23305 60" Only



Kohler CV680-3044 Crankshaft



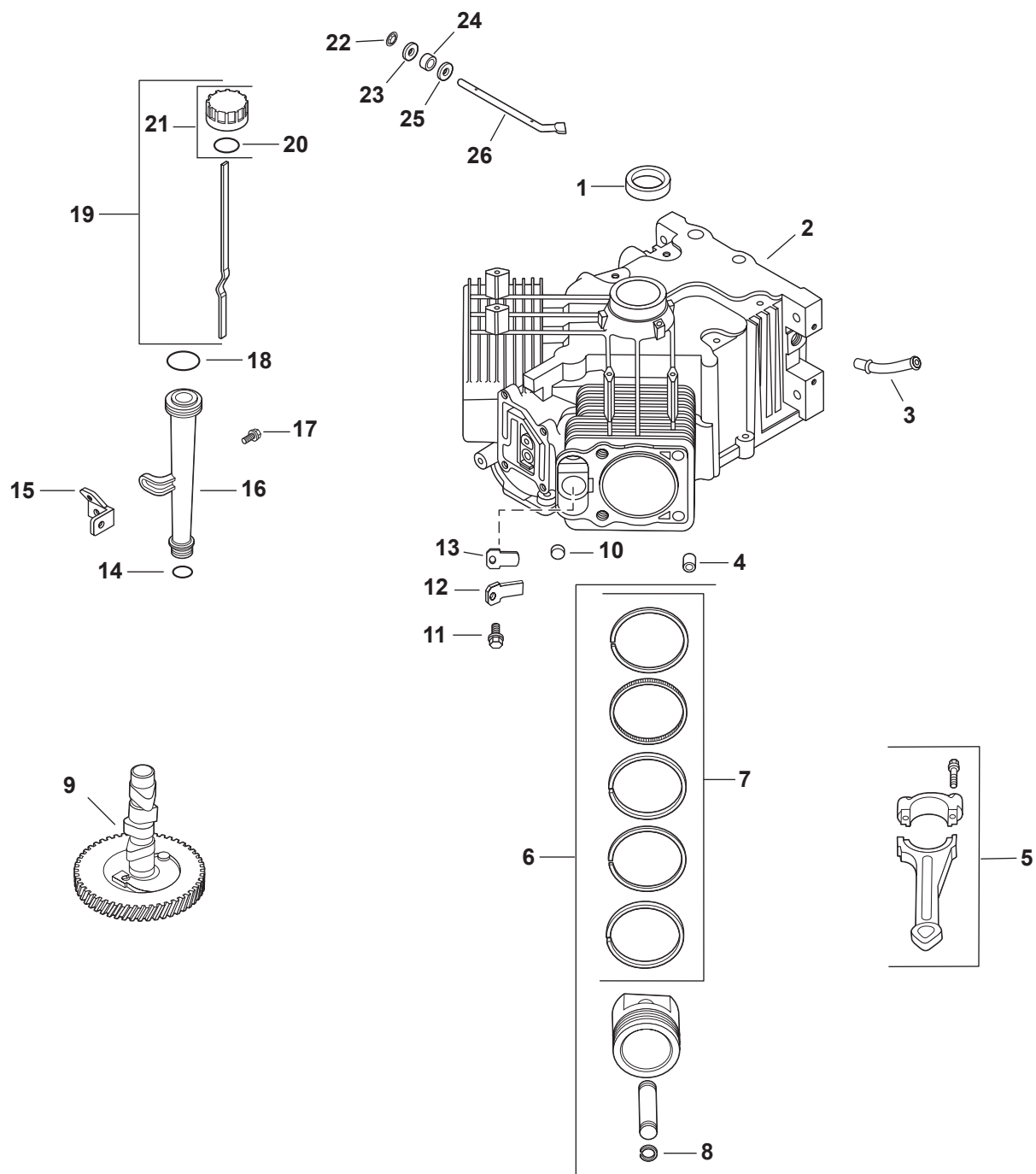
Ref.	Part Number	Description
1	KH-24-014-364-S	Crankshaft (Includes 2)
2	KH-52-139-09-S	Plug, Cup



Ref.	Part Number	Description
1	KH-24-199-24-S	Pan, Oil Assembly (Includes 2-12)
2	KH-M-645025-S	Screw, SHD THD FRM M6 x 1.0 x 25
3	KH-M-631005	Washer, Flat 6MM
4	KH-24-393-53-S	Kit, Oil Pump Assembly (Includes 5, 6)
5	KH-24-153-01	O-Ring, Oil Pick-Up
6	KH-24-381-11-S	Tube, Oil Pick Up
7	KH-24-162-26-S	Screen, Oil
8	KH-24-043-12	Kit, Governor Gear w/ Pin (Includes 9)

Ref.	Part Number	Description
9	KH-12-380-01	Pin, Governor Regulating
10	KH-24-448-02-S	Tab, Locking
11	KH-12-144-02	Shaft, Governor Gear
12	KH-25-032-06-S	Seal, Oil
13	KH-24-153-08	O-Ring
14	KH-24-136-01	Nipple, Oil Filter
15	KH-12-050-01-S	Filter, Oil
16	KH-25-139-62-S	Plug, Pipe CTSK 3/8"
17	KH-24-086-17-S	Screw, Flg M8 x 1.25 x 45
18	KH-52-139-02	Plug, Hd Pipe 3/8"

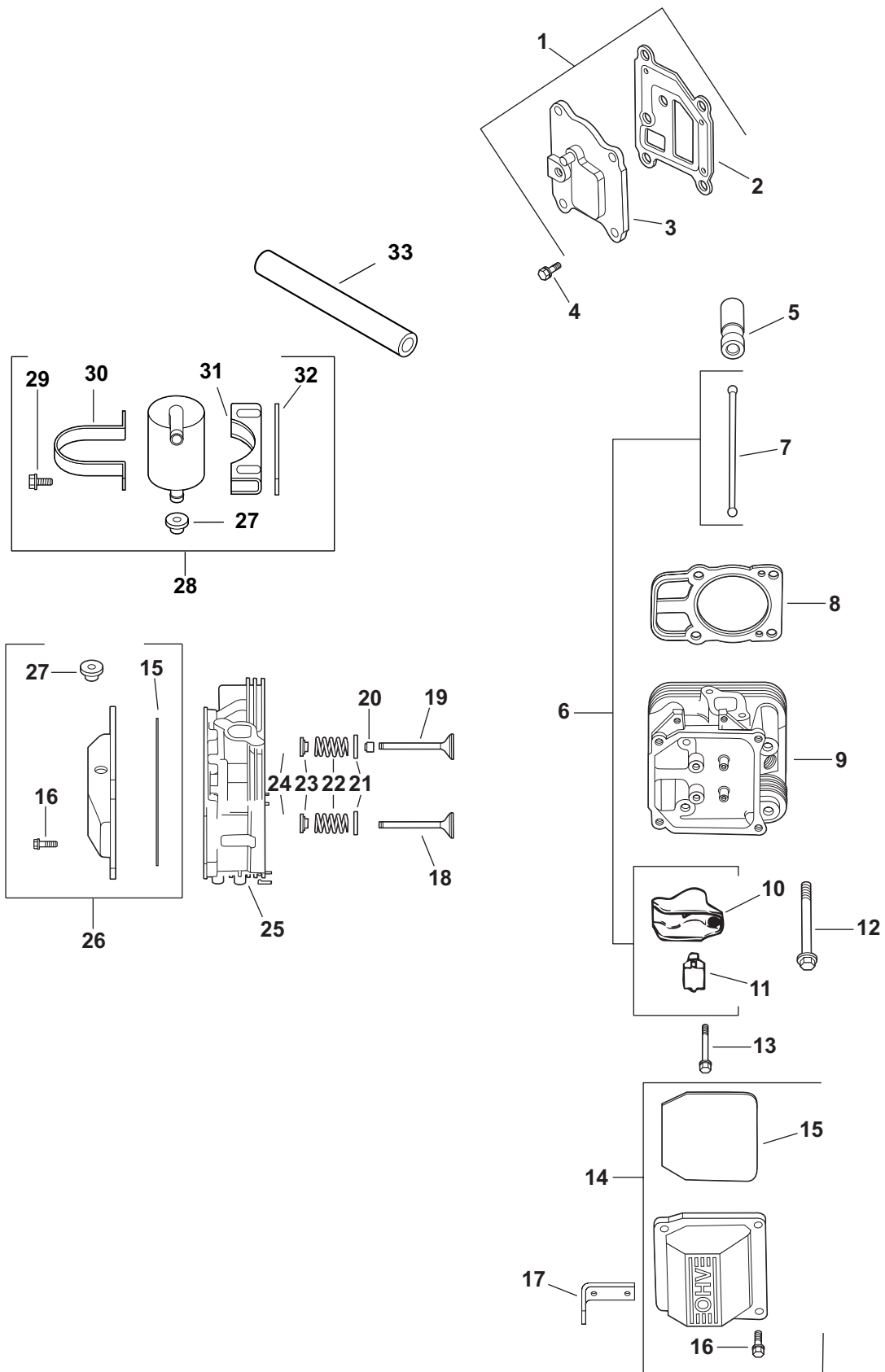
Kohler CV680-3044 Crankcase



Ref.	Part-Number	Description
1	KH-24-032-19-S	Seal, Oil
2		Crankcase (use: Mini Block KH-24-782-14)
3	KH-24-294-13	Fitting
4	KH-24-380-16-S	Pin, Locating
5	KH-24-067-30-S	Connecting Rod (STD)
	KH-24-067-29-S	Connecting Rod (.25)
6	KH-24-874-42-S	Kit, Piston w/ Ring (STD) (Inc. 7, 8)
	KH-24-874-43-S	Kit, Piston w/ Ring (.08)
	KH-24-874-44-S	Kit, Piston w/ Ring (.25)
	KH-24-874-45-S	Kit, Piston w/ Ring (.50)
7	KH-24-108-18-S	Ring Set, Piston (STD)
	KH-24-108-19-S	Ring Set, Piston (.08)
	KH-24-108-20-S	Ring Set, Piston (.25)
	KH-24-108-21-S	Ring Set, Piston (.50)
8	KH-24-018-01-S	Retainer, Piston Pin
9	KH-24-012-10-S	Kit, Camshaft (Includes Lubricant)
10	KH-52-139-09-S	Plug, Cup

Ref.	Part-Number	Description
11	KH-M-0545010	Screw, Flg Thd Frm M5x0.8x10
12	KH-24-018-04-S	Retainer, Breather Reed
13	KH-24-402-05-S	Reed, Breather
14	KH-12-153-01-S	O-Ring, Lower Oil Fill Tube
15	KH-24-126-19	Bracket, Oil Fill Tube
16	KH-32-755-04-S	Tube Assembly (Inc. 14 & 18)
17	KH-M-545016-S	Screw, Flg Thd Frm M5x0.8x16
18	KH-12-153-02-S	O-Ring, Upper Oil Fill Tube
19	KH-24-038-04-S	Dipstick, Assy (Includes 20, 21)
20	KH-25-153-02-S	O-Ring, Dipstick
21	KH-24-755-46	Kit, Oil Fill Cap (Includes 20)
22	KH-24-018-09-S	Retainer Ring
23	KH-M-931010-S	Washer, Flat 9MM
24	KH-28-032-09-S	Seal, Governor Cross Shaft
25	KH-24-468-15-S	Washer, Flat 1/4" (Bottom)
26	KH-24-144-38-S	Shaft, Governor Cross
—	KH-25-357-14-S	Lubricant, Camshaft (not shown)

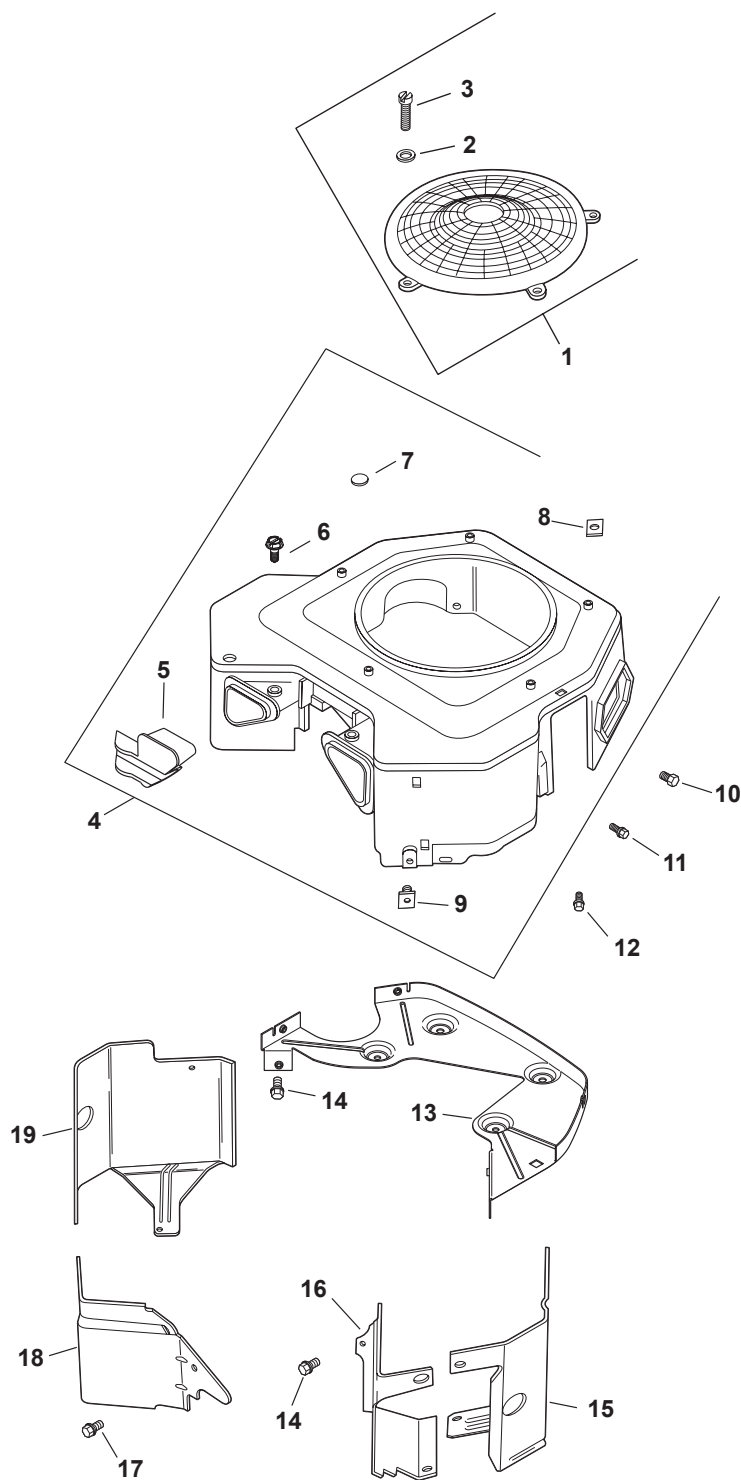
Kohler CV680-3044 Head/Valve/Breather



Kohler CV680-3044 Head/Valve/Breather

Ref.	Part-Number	Description
1	KH-24-033-03	Kit, Breather Cover W/Gasket (Includes 2-3)
2	KH-24-041-67-S	Gasket, Breather
3	KH-24-096-87-S	Cover, Breather
4	KH-25-086-396-S	Screw, Flg Thd Frm M6x1.0x20
5	KH-25-351-10-S	Kit, Hydraulic Valve Lifter (Includes Lubricant)
6	KH-24-755-66	Kit, Valve Train (Includes 7, 10, 11)
7	KH-24-411-05	Rod, Push
8	KH-24-841-02-S	Kit, Gasket Cylinder Head (Inc. 13 qty. 4)
9	KH-24-318-119-S	Kit, Head #2 (Includes Kh-25-072-04)
10	KH-25-186-01	Arm, Rocker
11	KH-24-599-02-S	Pivot, Rocker Arm
12	KH-62-086-08-S	Screw, Flg M10x1.5x90
13	KH-M-640034-S	Screw, Flg M6x1.0x34
14	KH-24-755-141-S	Kit, Valve Cover-Plain (Includes 15,16)
15	KH-24-153-30-S	O-Ring, Valve Cover
16	KH-M-651030-S	Screw, Flg M6x1.0x30
17	KH-25-445-01-S	Strap, Lifting
18	KH-24-016-01	Valve, Exhaust (Std)
	KH-24-016-02	Valve, Exhaust (.25)
19	KH-24-017-01	Valve, Intake (Std)
	KH-24-017-02	Valve, Intake (.25)
20	KH-66-032-05-S	Seal, Valve Stem
21	KH-235011-S	Retainer, Spring
22	KH-24-089-02	Spring, Valve
23	KH-25-173-28-S	Cap, Valve Spring
24	KH-12-755-03	Kit, Retainer
25	KH-24-318-105-S	Kit, Head #1 (Includes Kh-25-072-04)
26	KH-24-755-142-S	Kit, Valve Cover Breather (Includes 15, 16, 27)
27	KH-25-313-03-S	Grommet, Rubber
28	KH-24-755-57-S	Kit, Breather Seperator (Includes 27)
29	KH-M-545016-S	Screw, Flg Thd Frm M5x0.8x16
30	KH-24-445-02	Breather Strap
31	KH-24-126-44	Breather Bracket
32	KH-24-112-12	Spacer
33	KH-24-326-63-S	Hose, Breather
—	KH-24-755-147-S	Kit, Cylinder Head Hardware (Not Shown) (Ser- vices 1 Head. Quantities Listed Are For Both Heads) (Includes 8, 11, 12, 14, 19-25)
—	KH-25-072-24-S	Stud, M8x1.25x33
—	KH-25-357-14-S	Lubricant, Camshaft

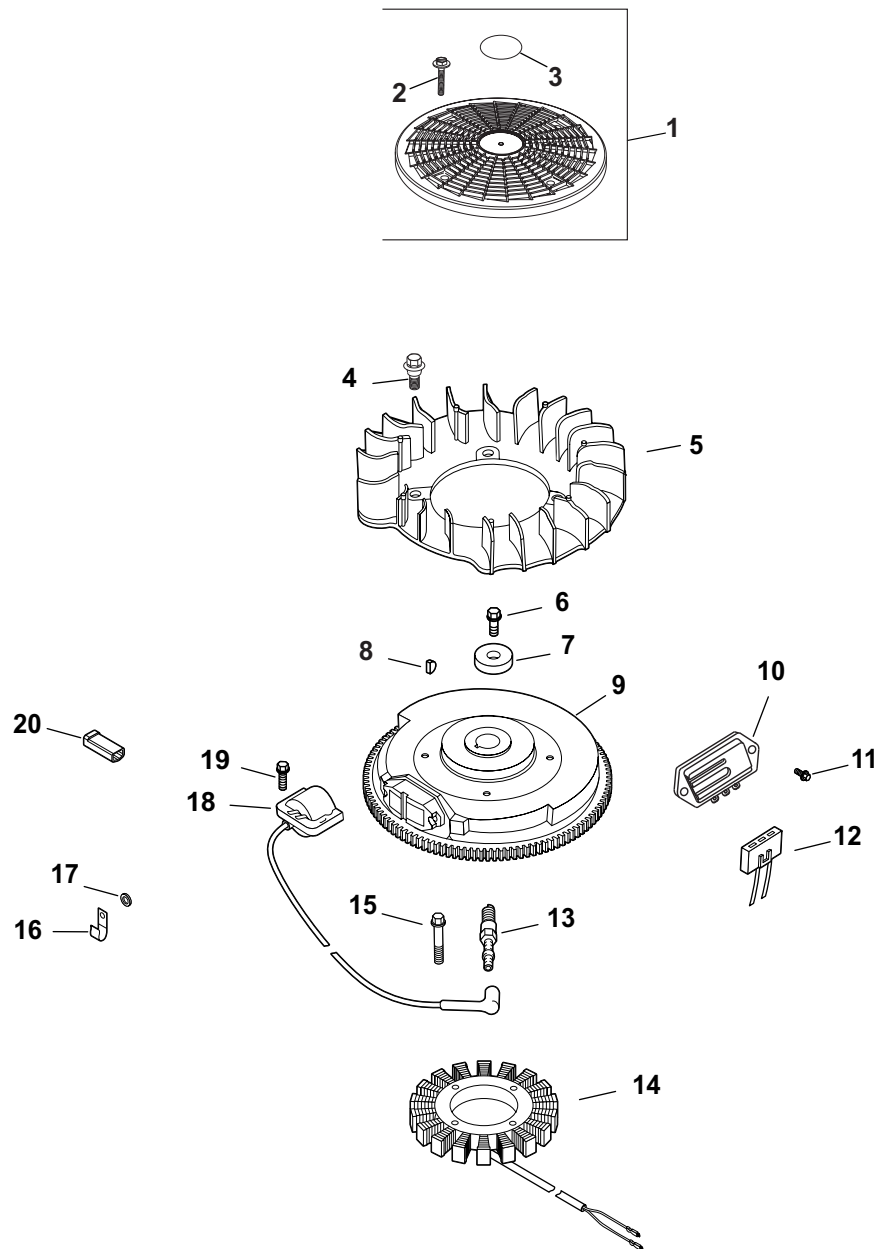
Kohler CV680-3044 Blower Housing & Baffles



Kohler CV680-3044 Blower Housing & Baffles

Ref.	Part-Number	Description
1	KH-24-755-81-S	Kit, Fixed Guard (Includes 2, 3, Decal & Insert)
2	KH-24-468-10	Washer, Flat 7/32
3	KH-24-086-35-S	Screw, Lbd Sckt Pan M5x0.8x10
4	KH-24-027-196-S	Kit, Blower Housing Assembly (Includes 5-9, Nameplate & Insert)
5	KH-24-096-85-S	Cover, Blower Housing
6	KH-25-086-91-S	Screw, Wsh Hd Tap #8-18 X 1/2"
7	KH-25-139-16	Plug, Button 9/16
8	KH-24-100-02-S	Nut, Plastic
9	KH-25-100-37-S	Nut, Plastic
10	KH-M-561016-S	Screw, Flg Thd Frm M5 X .8 X 16
11	KH-M-545016-S	Screw, Flg Thd Frm M5 X .8 X 16
12	KH-M-545020-S	Screw, Flg Thd Frm M5 X .8 X 20
13	KH-24-146-55-S	Kit, Backing Plate
14	KH-M-645016-S	Screw, Flg Thd Frm M6 X 1.0 X 16
15	KH-24-063-88-S	Kit, Cyl Baffle-#2 Side
16	KH-24-063-69-S	Baffle, Valley-#2 Side
17	KH-M-0545010	Screw, Flg Thd Frm M5 X .8 X 10
18	KH-24-063-60-S	Baffle, Valley #1 Side
19	KH-24-063-85-S	Kit, Cyl Barrel - #1 Side
—	KH-24-332-01-S	Insert, Threaded (Not Shown)
—	KH-25-086-160-S	Screw, Sems (Not Shown)
—	KH-41-037-10-S	Nameplate, Service (Not Shown)
—	KH-24-113-18-S	Decal, Grass Screen (Not Shown)

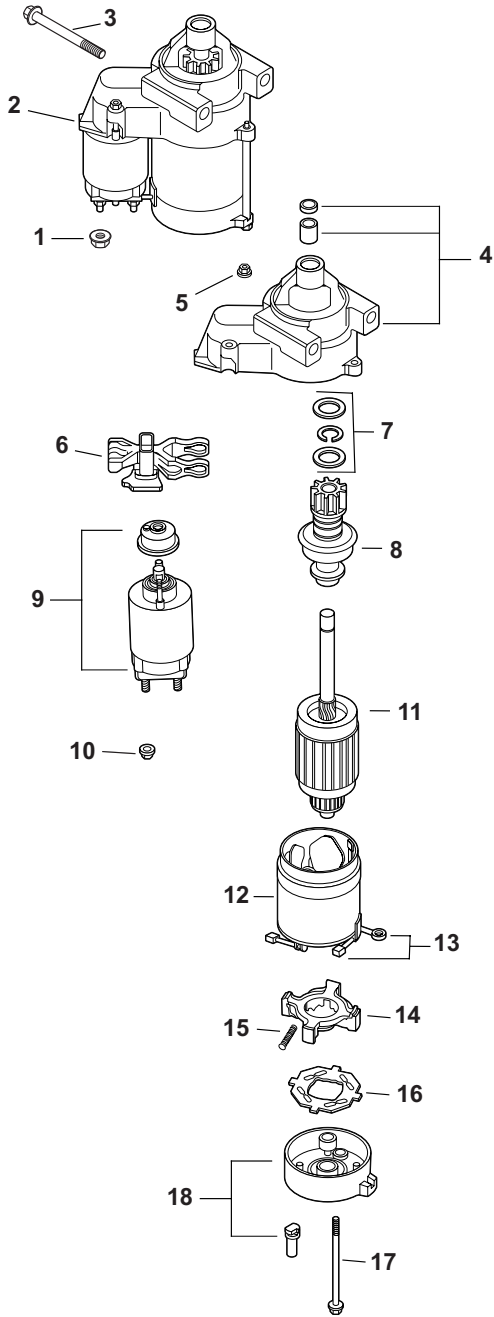
Kohler CV680-3044 Ignition/Electrical



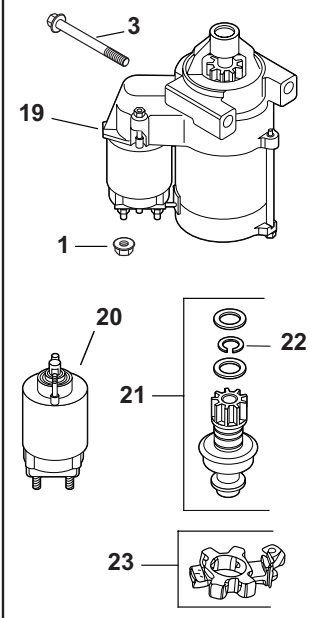
Ref.	Part Number	Description
1	KH-54-755-15	Kit, Grass Screen (Includes 2, 3)
2	KH-25-086-117-S	Screw, Flg Sems M4 x 0.7 x 25
3	KH-24-113-18-S	Decal, Grass Screen
4	KH-25-086-47	Bolt, Shoulder
5	KH-24-157-12-S	Fan
6	KH-25-086-361-S	Screw, FLG M10X1.5X45
7	KH-12-468-03	Washer, Flat 13/32"
8	KH-X-42-15	Key, 3/16" x 5/8"
9	KH-24-025-55-S	Flywheel
10	KH-41-403-10-S	Rectifier-Regulator
11	KH-25-086-157-S	Screw, Hex Flange Hi-Lo
12	KH-25-155-41-S	Connector (3 Contact)
13	759-3336	Plug, Spark
14	KH-237878	Kit, 15 Amp Stator (Includes KH-25 452 01-S)
15	KH-M-548025-S	Screw, THD FRM M5 x 0.8 x 25
16	KH-235173	Clip, Cable
17	KH-X-25-63	Washer, Flat, 1/4"
18	KH-24-584-45-S	Kit, Module, Ignition (CDI Fixed)
19	KH-M-545020-S	Screw, FLG THD FRM M5 x 0.8 x 20
20	KH-277563	Connector (1 Contact)
—	KH-25-154-04-S	Clip (not shown)
—	KH-24-126-137-S	Bracket, Ground Strap (not shown)
—	KH-24-176-201-S	Harness, Wiring (not shown)
—	KH-25-454-07-S	Tie (not shown)
—	KH-25-518-34-S	Lead (not shown)
—	KH-25-452-01-S	Terminal (not shown)

Kohler CV680-3044 Starting System

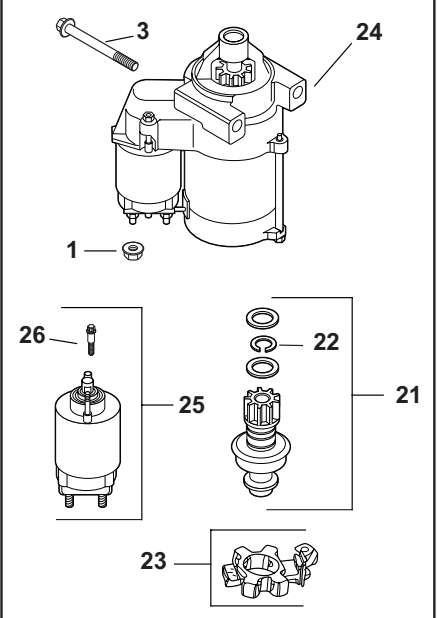
24 098 01-S (Nippondenso)



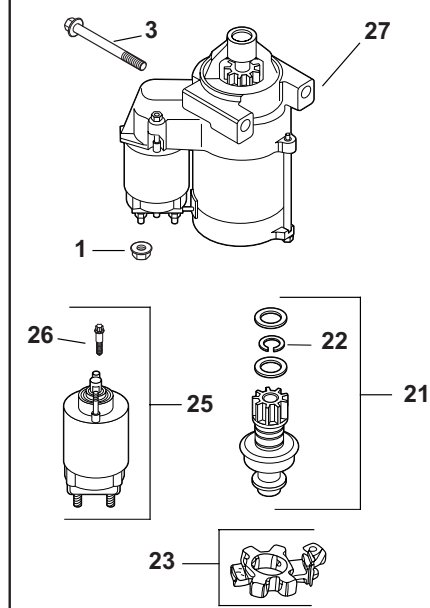
25 098 08-S (Delco)



25 098 09-S (Delco)



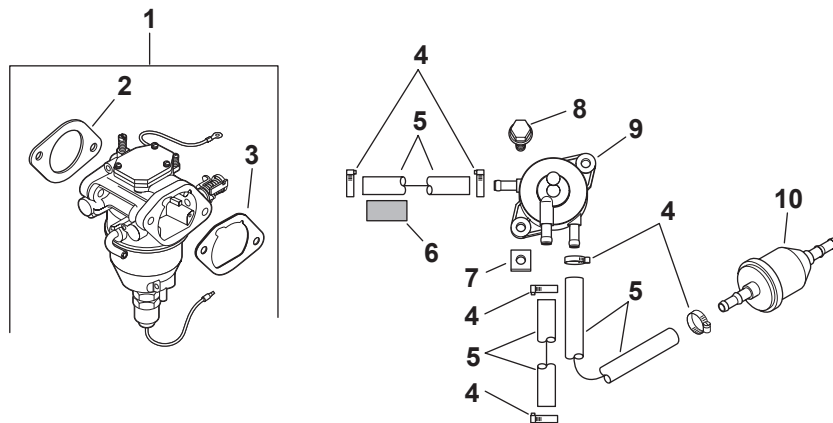
25 098 11-S (Delco)



Ref.	Part Number	Description
1	712-3086	Nut, Flg M8X1.25
2	KH-25-098-11-S	Starter Assy, Solenoid Shift
3	KH-M-851080-S	Screw, Flg M8x1.25x80
4	KH-24-081-04	Drive, End Cap
5	KH-52-100-09	Nut
6	KH-12-090-10	Lever, Drive
7	KH-24-755-84	Kit, Starter Repair
8	KH-12-239-01	Drive Pinion
9	KH-52-435-02	Solenoid
10	KH-52-100-10	Nut
11	KH-12-170-04	Armature
12	KH-12-471-01	Frame w/ Brushes
13	KH-52-323-03	Brush Holder
14	KH-52-221-01	Brush & Spring Kit
15	KH-52-089-09	Spring, Brush
16	KH-52-168-01	Insulator
17	KH-52-211-05	Thru Bolt
18	KH-24-301-01	Commutator, End Cap
19	KH-25-098-11-S	Starter Assy, Solenoid Shift
20	KH-25-435-04-S	Solenoid
21	KH-25-755-33-S	Kit, Starter Pinion (Includes 22)
22	KH-25-141-05-S	Ring, Retaining
23	KH-25-221-01-S	Kit, Brush Holder
24	KH-25-098-11-S	Starter Assy, Solenoid Shift
25	KH-25-435-06-S	Kit, Solenoid (Includes 26)
26	KH-25-086-113-S	Screw, External Torx Head
27	KH-25-098-11-S	Starter Assy, Solenoid Shift

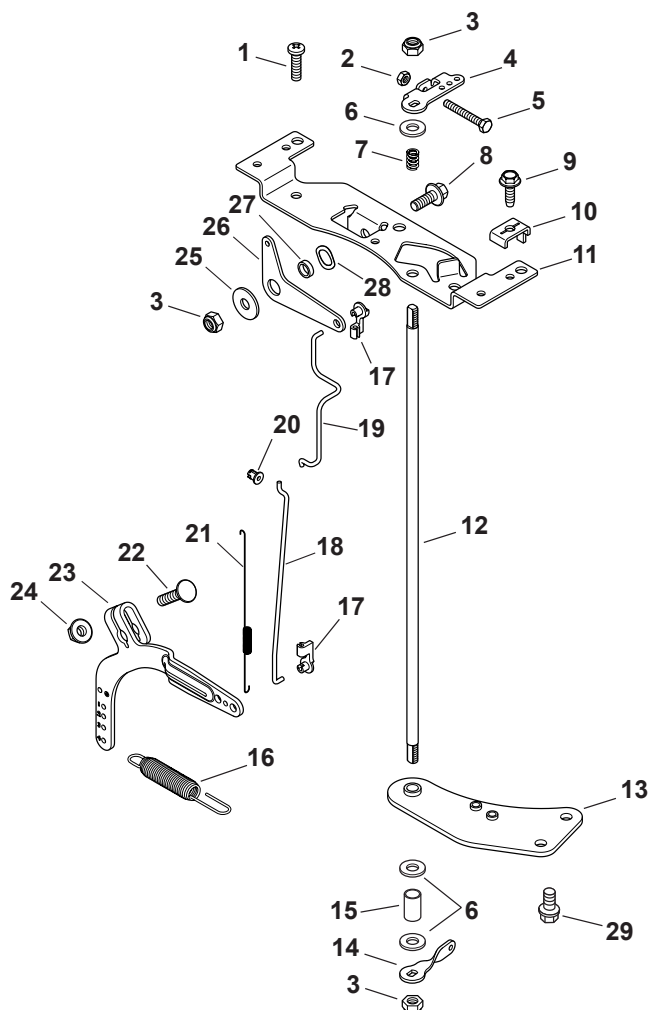
* Service starter components according to the part number printed on the starter. Starter components are NOT interchangeable. To replace complete Starter Assembly, order Part Number 25 098 09-S.

Kohler CV680-3044 Fuel System



Ref.	Part-Number	Description
1	KH-32-853-11-S	Kit, Carburetor (Includes 2,3)
2	KH-24-041-15	Gasket, Carburetor
3	KH-24-041-14	Gasket, Air Cleaner Base
4	KH-25-237-31-S	Clamp, Spring Hose 1/2"
5	KH-25-111-81-S	Line, Fuel (24"-Cut To Length)
6	KH-24-431-02-S	Insulating Sleeve
7	KH-25-100-37-S	Nut, Plastic-Black
8	KH-24-086-12	Screw, Tap M6x1.7x18
9	KH-24-393-16	Pump, Fuel
10	KH-24-050-13-S	Filter, Fuel

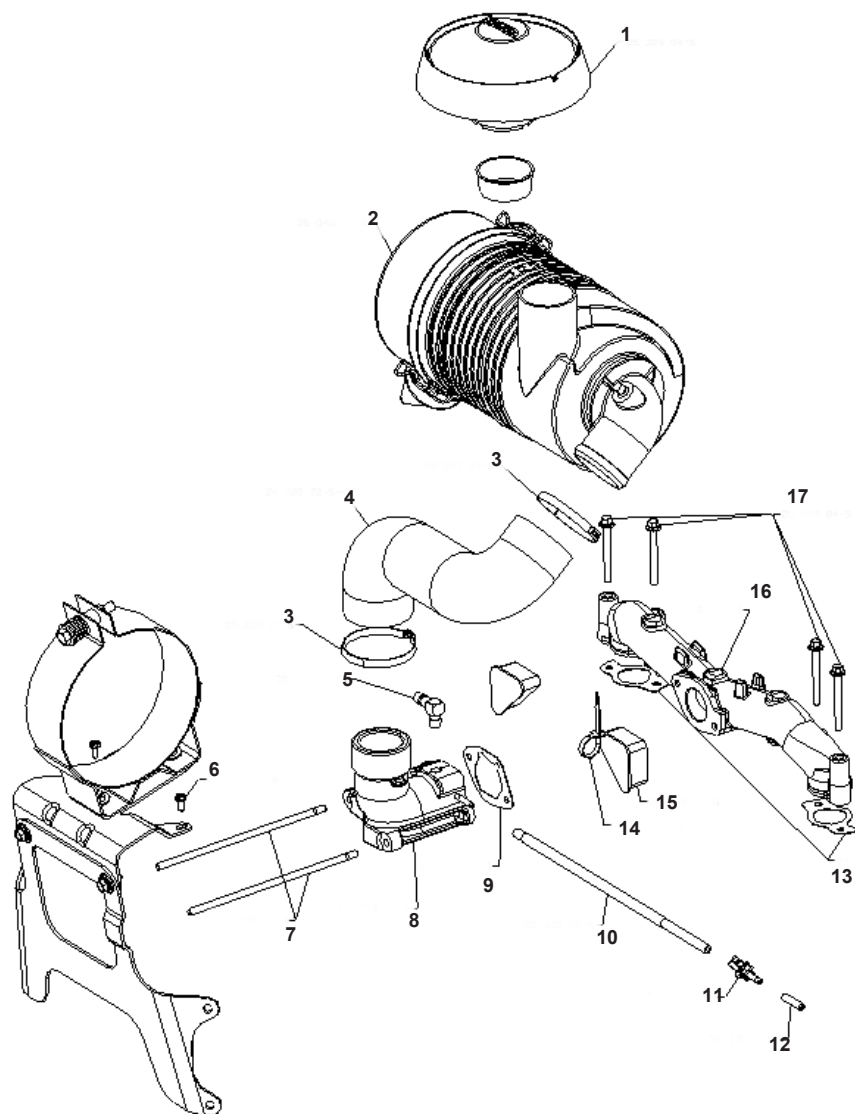
Kohler CV680-3044 Engine Controls



Ref.	Part-Number	Description
1	KH-24-086-06	Screw, Phl Hd 11-16 x 3/4"
2	KH-M-446030-S	Nut, M4 x 0.7
3	KH-M-647060	Nut, Lock M6 x 1.0
4	KH-24-090-09	Lever, Throttle Control
5	KH-M-401030	Screw, Cap M4 x 0.7 x 30
6	KH-X-25-72	Washer, Flat 1/4"
7	KH-24-089-20	Spring, Throttle Shaft
8	KH-M-639016-S	Screw, Flg M6x1.0x16
9	KH-M-545016-S	Screw, Flg Thd Frm M5 x 0.8 x 16
10	KH-12-237-01	Clamp, Cable
11	KH-24-126-111-S	Bracket, Control
12	KH-24-144-11	Shaft, Throttle
13	KH-24-126-162-S	Bracket, Throttle Shaft
14	KH-24-090-12	Lever, Throttle Control
15	KH-24-112-10	Spacer

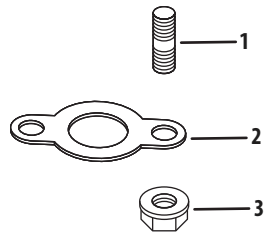
Ref.	Part-Number	Description
16	KH-24-089-47-S	Spring, Governor
17	KH-25-158-11	Bushing, Throttle Linkage
18	KH-24-079-04	Linkage, Throttle
19	KH-24-079-10	Linkage, Choke
20	KH-25-158-08	Bushing, Linkage Retaining
21	KH-24-089-01	Spring, Linkage
22	KH-24-211-03-S	Bolt, Rd Hd Sq Neck M6x1.0x25
23	KH-24-090-51-S	Lever, Governor
24	KH-M-641060-S	Nut, FLG M6 x 1.0
25	736-0173	Washer, Flat 1/4"
26	KH-24-090-20	Lever, Choke
27	KH-25-431-01-S	Spacer
28	KH-277341	Washer, Spring 3/8"
29	KH-M-645016-S	Screw, Flg Thd Frm M6 x 1.0 x16

Kohler CV680-3044 Air Intake/Filtration



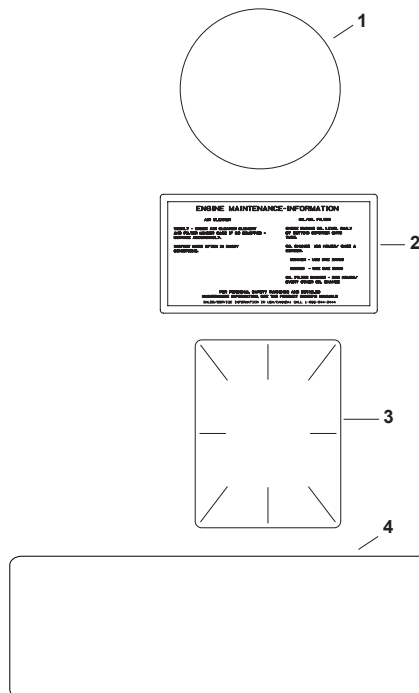
Ref.	Part-Number	Description	Ref.	Part-Number	Description
1	KH-25-324-04-S	Inlet Hood	13	KH-24-041-01	Intake Manifold Gasket
2	KH-25-048-17-S	Air Cleaner	14	KH-25-454-04-S	Tie
3	KH-25-237-21-S	Hose Clamp	15	KH-24-096-17-S	Blower Housing Cover
4	KH-24-326-72-S	Air Cleaner Hose	16	KH-24-164-06	Intake Manifold
5	KH-25-155-38-S	Hose Connector	17	KH-25-086-84-S	Screw, M6 x 1.0 x 55
6	KH-25-086-91-S	Screw, #8-18 x 1/2	—	KH-24-462-11-S	Valve, Actuator (not shown)
7	KH-24-072-10-S	Stude, M6 x 1.0 x 180	—	KH-25-083-01-S	Element, Air Filter - Primary (not shown)
8	KH-24-054-38-S	Kit, Elbow	—	KH-25-083-04-S	Element, Air Filter - Safety (not shown)
9	KH-24-041-14	Air Cleaner Base Gasket	—	KH-25-096-08-S	Cover Assy (not shown)
10	KH-25-326-08-S	Evaporative Hose	—	KH-25-139-20-S	Plug, Pipe (not shown)
11	KH-25-155-51-S	Evaporative Connector	—	KH-25-154-19-S	Latch Assy (not shown)
12	KH-25-173-33-S	Masking Cap			

Kohler CV680-3044 Exhaust



Ref.	Part Number	Description
1	KH-25-072-24-S	Stud, M8X1.25X33
2	KH-24-041-49-S	Gasket, Exhaust
3	712-3086	Nut, Flg M8X1.25

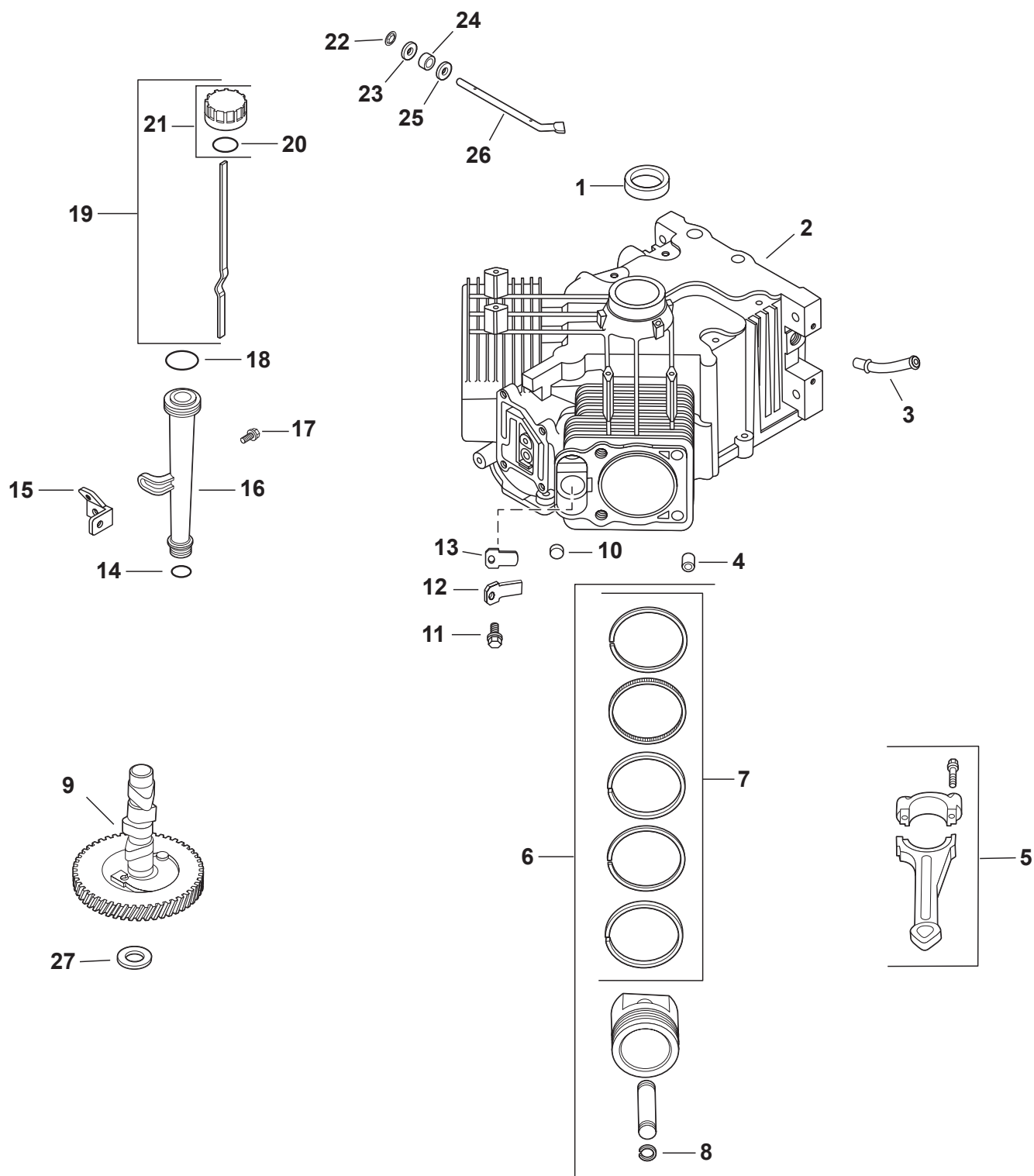
Kohler CV680-3044 Labels



Artwork is representative.
Actual labels may differ depending on model and specification number.

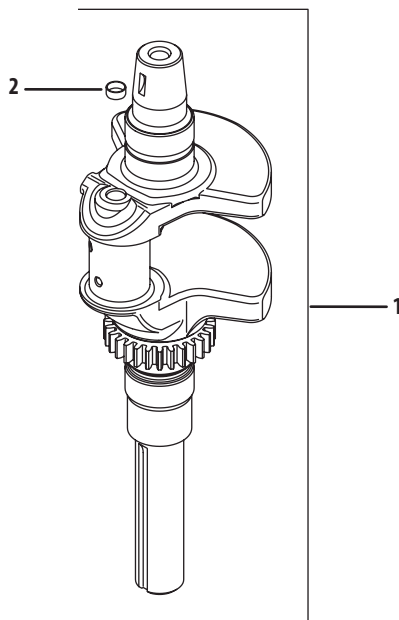
Ref.	Part Number	Description
1	KH-24-113-18-S	Decal, Grass Screen
2	KH-25-113-27-S	Decal, Air Cleaner
3	KH-25-113-39-S	Decal, Clear Laminate
4	KH-24-113-130-S	Decal, 23HP

Kohler CV730-3148 Crankcase

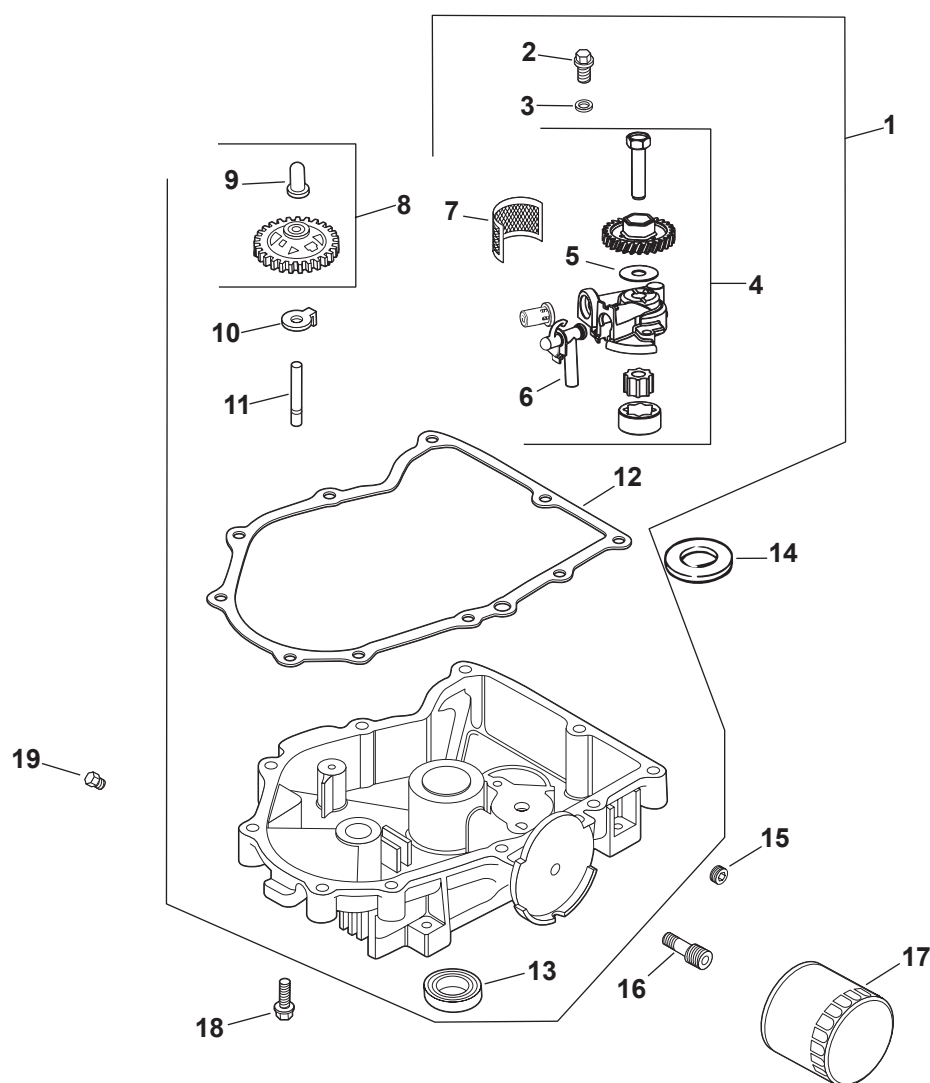


Ref.	Part Number	Description
1	KH-24-032-19-S	Seal, Oil
2		Crankcase (Use: Shortblock or Miniblock)
3	KH-24-294-13	Fitting
4	KH-24-380-16-S	Pin, Locating
5	KH-24-067-30-S	Connecting Rod (STD)
	KH-24-067-29-S	Connecting Rod (.25)
6	KH-25-874-01-S	Kit, Piston w/ Ring (STD) (Includes 7, 8)
	KH-25-874-02-S	Kit, Piston w/ Ring (.08)
	KH-24-874-03-S	Kit, Piston w/ Ring (.25)
	KH-25-874-04-S	Kit, Piston w/ Ring (.50)
7	KH-24-108-14-S	Ring Set, Piston (STD)
	KH-24-108-15-S	Ring Set, Piston (.08)
	KH-24-108-16-S	Ring Set, Piston (.25)
	KH-24-108-17-S	Ring Set, Piston (.50)
8	KH-24-018-01-S	Retainer, Piston Pin
9	KH-24-012-16-S	Kit, Camshaft
10	KH-52-139-09-S	Plug, Cup
11	KH-M-0545010	Screw, Flg Thd Frm M5x0.8x10
12	KH-24-018-04-S	Retainer, Breather Reed
13	KH-24-402-05-S	Reed, Breather
14	KH-12-153-01-S	O-Ring, Lower Oil Fill Tube
15	KH-24-126-19	Bracket, Oil Fill Tube
16	KH-32-755-04-S	Tube, Oil Fill Assembly
17	KH-M-545016-S	Screw, Flg Thd Frm M5x0.8x16
18	KH-12-153-02-S	O-Ring, Upper Oil Fill Tube
19	KH-24-038-04-S	Dipstick, Assy (Includes 20, 21)
20	KH-25-153-02-S	O-Ring, Dipstick
21	KH-24-755-46	Kit, Oil Fill Cap (Yellow)
22	KH-24-018-09-S	Retainer, Ring
23	KH-M-931010-S	Washer, Flat 9MM
24	KH-28-032-09-S	Seal, Governor Cross Shaft
25	KH-24-468-15-S	Washer, Flat 1/4" (Bottom)
26	KH-24-144-38-S	Shaft, Governor Cross
27	KH-12-422-07-S	Camshaft Shim (White .028")
—	KH-25-357-14-S	Lubricant, Camshaft (not shown)

Kohler CV730-3148 Crankshaft

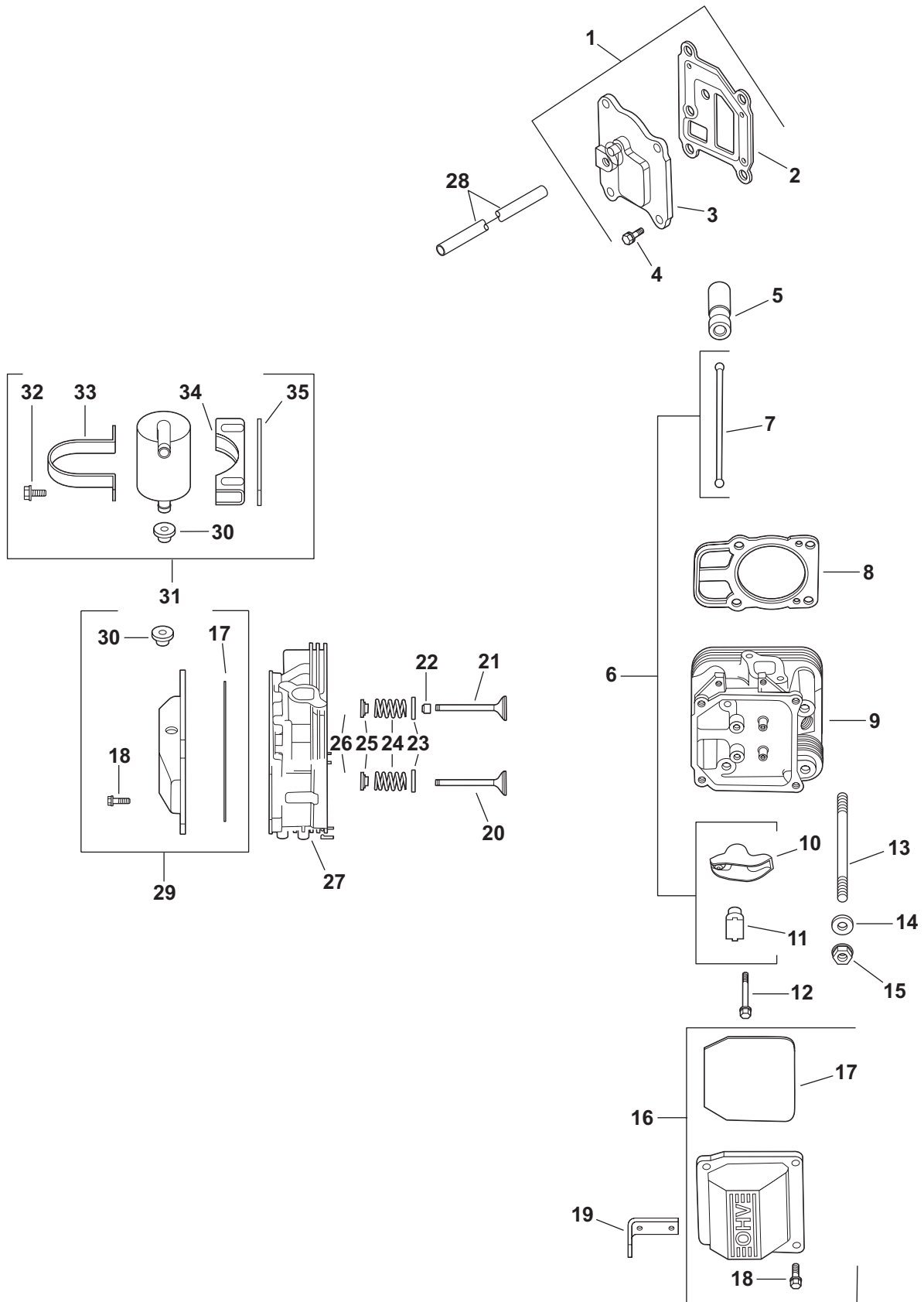


Ref.	Part Number	Description
1	KH-24-014-364-S	Crankshaft (Includes 2)
2	KH-52-139-09-S	Plug, Cup



Ref.	Part Number	Description	Ref.	Part Number	Description
1	KH-24-199-21-S	Kit, Oil Pan Assembly (Inc. 2-13)	11	KH-12-144-02	Shaft, Governor Gear
2	KH-M-645025-S	Screw, Flg Thd Frm M6X1.0X25	12	KH-24-041-54-S	Kit, Oil Pan GSKT (Select-A-Seal)
3	KH-M-631005	Washer, Flat 6MM	13	KH-25-032-06-S	Seal, Oil
4	KH-24-393-53-S	Kit, Oil Pump Assembly (Inc. 5, 6)	14	KH-24-422-03-S	Shim, Thrust
5	KH-24-153-01	O-Ring, Oil Pick-Up	15	KH-25-139-62-S	Plug, Pipe CTSK 3/8"
6	KH-24-381-11-S	Tube, Oil Pick-Up	16	KH-24-136-01	Nipple, Oil Filter
7	KH-24-162-26-S	Screen, Oil	17	KH-12-050-01-S	Filter, Oil
8	KH-24-043-12	Kit, Governor Gear w/ Pin (Includes 9)	18	KH-24-086-17-S	Screw, Flg M8x1.25x45
9	KH-12-380-01	Pin, Governor Regulating	19	KH-52-139-02	Plug, Hd Pipe 3/8"
10	KH-24-448-01-S	Tab, Locking			

Kohler CV730-3148 Head/Valve/Breather

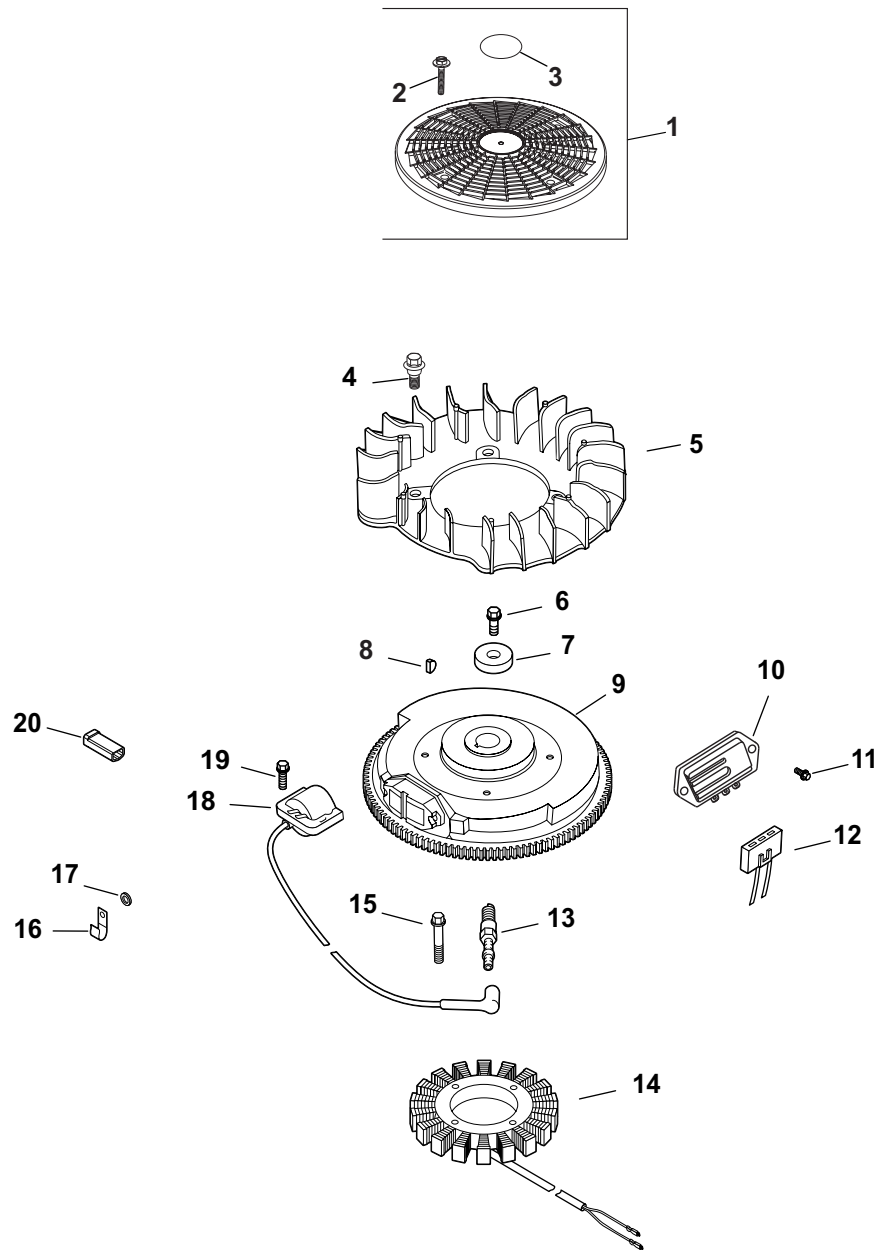


Kohler CV730-3148 Head/Valve/Breather

Ref.	Part Number	Description
1	KH-24-033-03	Kit, Breather Cover W/Gasket (Includes 2-4)
2	KH-24-041-67-S	Gasket, Breather
3	KH-24-096-87-S	Cover, Breather
4	KH-25-086-396-S	Screw, Flg Thd Frm M6x1.0x20
5	KH-25-351-10-S	Hydraulic Valve Lifter
6	KH-24-755-66	Kit, Valve Train (Includes 7,10,11)
7	KH-24-411-05	Rod, Push
8	KH-24-841-04-S	Kit, Cylinder Head Gasket (Includes Head Mtg Hdwe)
9	KH-24-318-116-S	Kit, #2 Cylinder Head Assy
10	KH-25-186-01	Arm, Rocker
11	KH-24-599-02-S	Pivot, Rocker Arm
12	KH-M-640034-S	Screw, Flg M6x1.0x34
13	KH-24-072-09-S	Stud, M8x1.25, M10x1.5, 105mm
14	KH-24-468-16-S	Washer, Flat 8.6 Mm
15	KH-24-100-10-S	Nut, Flg M8x1.25
16	KH-24-755-141-S	Kit, Plain Rocker Cover (Includes 17,18)
17	KH-24-153-30-S	O-Ring, Valve Cover
18	KH-M-651030-S	Screw, Flg M6x1.0x30
19	KH-25-445-01-S	Strap, Lifting
20	KH-24-016-01	Valve, Exhaust (Std)
	KH-24-016-02	Valve, Exhaust (.25)

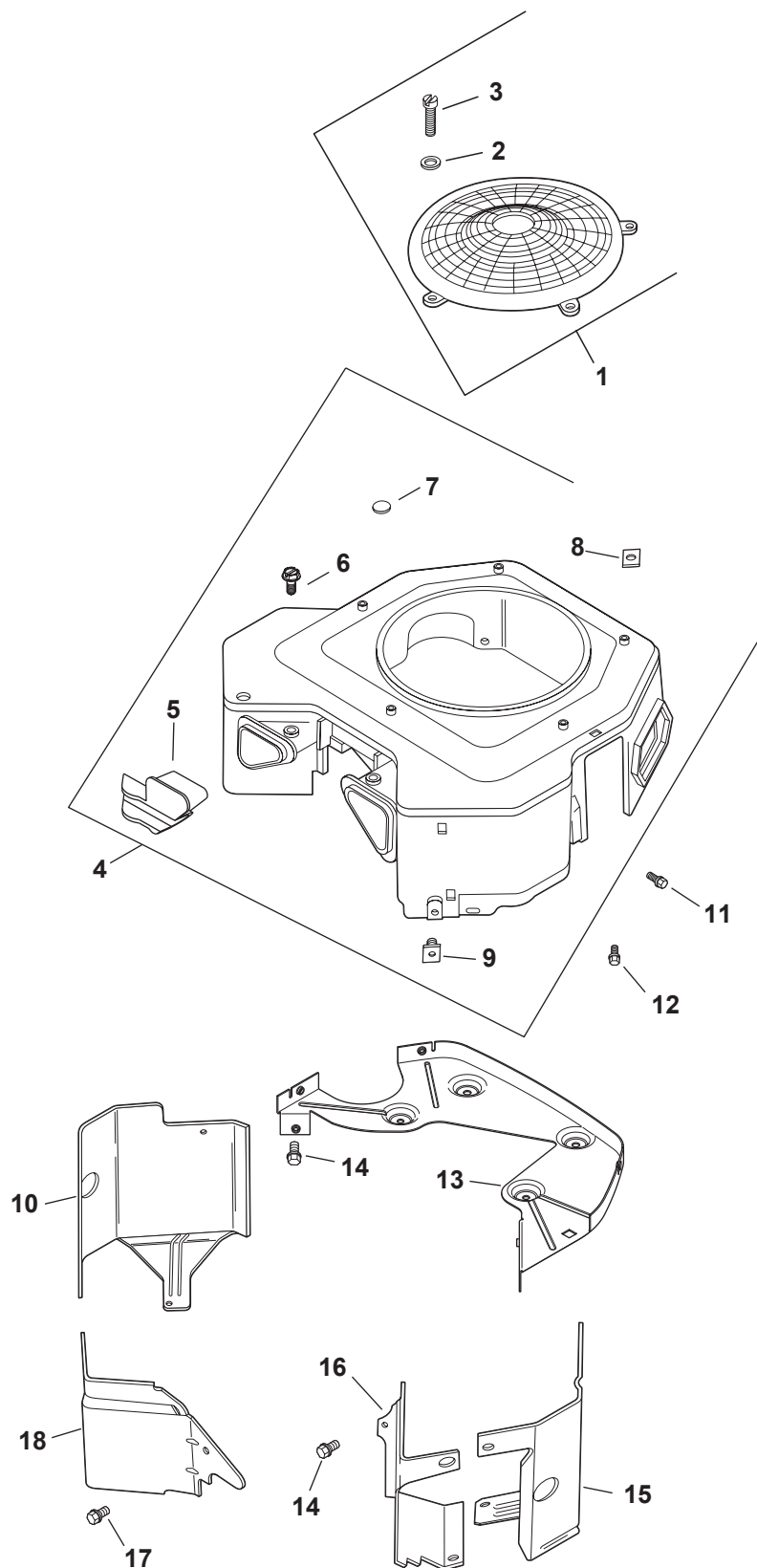
Ref.	Part Number	Description
21	KH-24-017-01	Valve, Intake (Std)
	KH-24-017-02	Valve, Intake (.25)
22	KH-66-032-05-S	Seal, Valve Stem
23	KH-235011-S	Retainer, Spring
24	KH-24-089-02	Spring, Valve
25	KH-25-173-28-S	Cap, Valve Spring
26	KH-12-755-03	Kit, Retainer
27	KH-24-318-108-S	Kit, #1 Cylinder Head Assy
28	KH-24-326-63-S	Hose, Breather
29	KH-24-755-142-S	Kit, Breather Rocker Cover (Includes 17,18,30)
30	KH-25-313-03-S	Grommet, Rubber
31	KH-24-755-57-S	Kit, Breather Separator (Inc. 30-35)
32	KH-M-545016-S	Screw, Flg Thd Frm M5x0.8x16
33	KH-24-445-02	Strap, Breather
34	KH-24-126-44	Bracket, Breather Separator
35	KH-24-112-12	Spacer
	KH-24-755-147-S	Kit, Cylinder Head Hardware (Not Shown) (Services 1 Head. Quantities Listed Are For Both Heads) (Includes 7,10-12,20-26)

Kohler CV730-3148 Ignition/Electrical



Ref.	Part Number	Description
1	KH-54-755-15	Kit, Grass Screen (Includes 2, 3)
2	KH-25-086-117-S	Screw, Flg Sems M4 x 0.7 x 25
3	KH-24-113-18-S	Decal, Grass Screen
4	KH-25-086-47	Bolt, Shoulder
5	KH-24-157-12-S	Fan
6	KH-25-086-361-S	Screw, FLG M10X1.5X45
7	KH-12-468-03	Washer, Flat 13/32"
8	KH-X-42-15	Key, 3/16" x 5/8"
9	KH-24-025-59-S	Flywheel
10	KH-41-403-10-S	Rectifier-Regulator
11	KH-25-086-157-S	Screw, Hex Flange Hi-Lo
12	KH-25-155-41-S	Connector (3 Contact)
13	759-3336	Plug, Spark
14	KH-237878	Kit, 15 Amp Stator (Includes KH-25 452 01-S)
15	KH-M-548025-S	Screw, THD FRM M5 x 0.8 x 25
16	KH-235173	Clip, Cable
17	KH-X-25-63	Washer, Flat, 1/4"
18	KH-24-584-45-S	Kit, Module, Ignition (CDI Fixed)
19	KH-M-545020-S	Screw, FLG THD FRM M5 x 0.8 x 20
20	KH-277563	Connector (1 Contact)
—	KH-25-154-04-S	Clip (not shown)
—	KH-24-126-137-S	Bracket, Ground Strap (not shown)
—	N/A	Harness, Wiring (not shown)
—	KH-25-454-07-S	Tie (not shown)
—	KH-25-518-34-S	Lead (not shown)
—	KH-25-452-01-S	Terminal (not shown)

Kohler CV730-3148 Blower Housing & Baffles



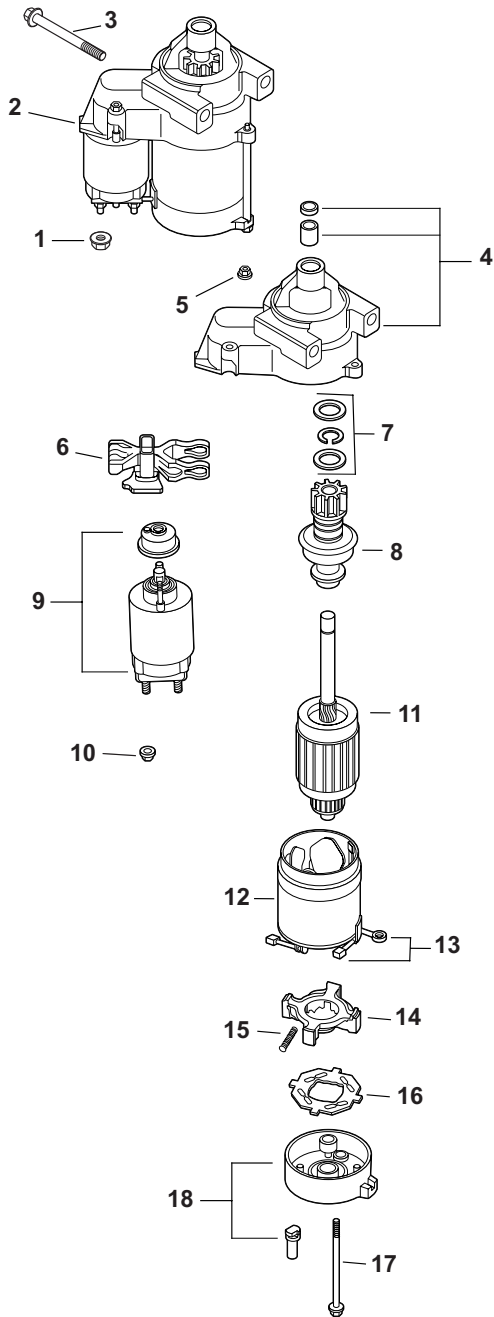
Kohler CV730-3148 Blower Housing & Baffles

Ref.	Part Number	Description
1	KH-24-755-81-S	Kit, Guard (Includes 2,3 & 24 113 18-S, 24 332 01-S)
2	KH-24-468-10	Washer, Flat 7/32
3	KH-24-086-35-S	Screw, Lbd Skt Pan M5x0.8x10
4	KH-24-027-196-S	Kit Blower Housing Assembly (Inc. 5-9, 24 332 01-S & 41 037 10-S)
5	KH-24-096-85-S	Cover, Blower Housing-Molded
6	KH-25-086-91-S	Screw, WSH HD Tap #8-18 x 1/2"
7	KH-25-139-16	Plug, Button 9/16
8	KH-24-100-02-S	Nut, Plastic
9	KH-25-100-37-S	Nut, Plastic
10	KH-24-063-85-S	Kit, Cyl Barrel - #1 Side
11	KH-M-545016-S	Screw, Flg Thd Frm M5x0.8x16
12	KH-M-545020-S	Screw, Flg Thd Frm M5x0.8x20
13	KH-24-146-59-S	Kit, Backing Plate (Inc. M-545016-S)
14	KH-M-645016-S	Screw, Flg Thd Frm M6x1.0x16
15	KH-24-063-88-S	Kit, Cyl Baffle - #2 Side
16	KH-24-063-94-S	Baffle, Valley #2 Side
17	KH-M-0545010	Screw, Flg Thd Frm M5x0.8x10
18	KH-24-063-60-S	Baffle, Valley #1 Side
—	KH-25-086-160-S*	Screw, Sems
—	KH-24-332-01-S*	Insert Threaded
—	KH-41-037-10-S*	Nameplate, Service
—	KH-24-113-18-S*	Decal, Grass Screen

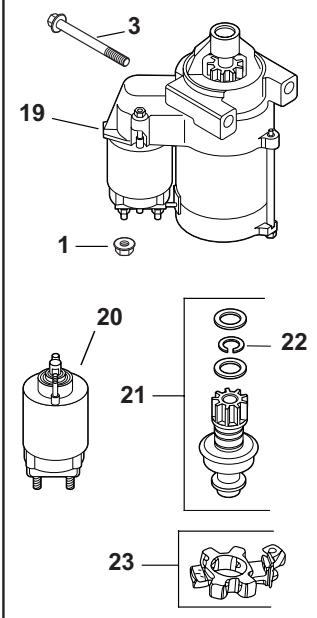
* Not Shown

Kohler CV730-3148 Starting System

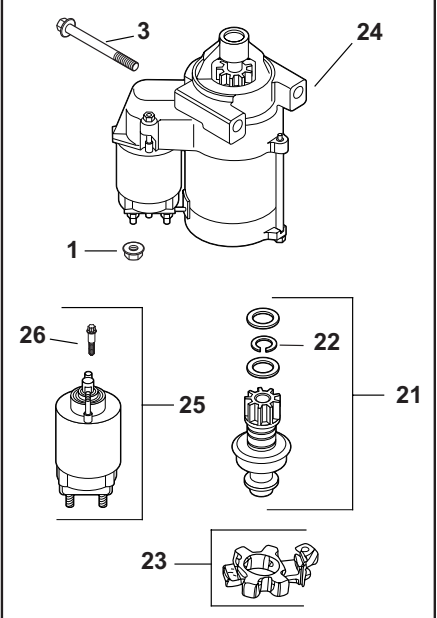
24 098 01-S (Nippondenso)



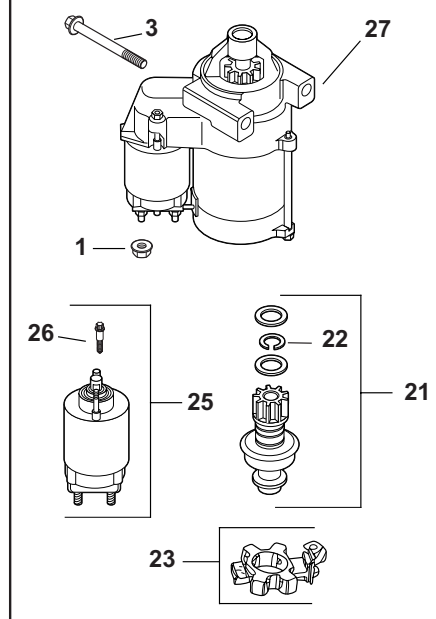
25 098 08-S (Delco)



25 098 09-S (Delco)



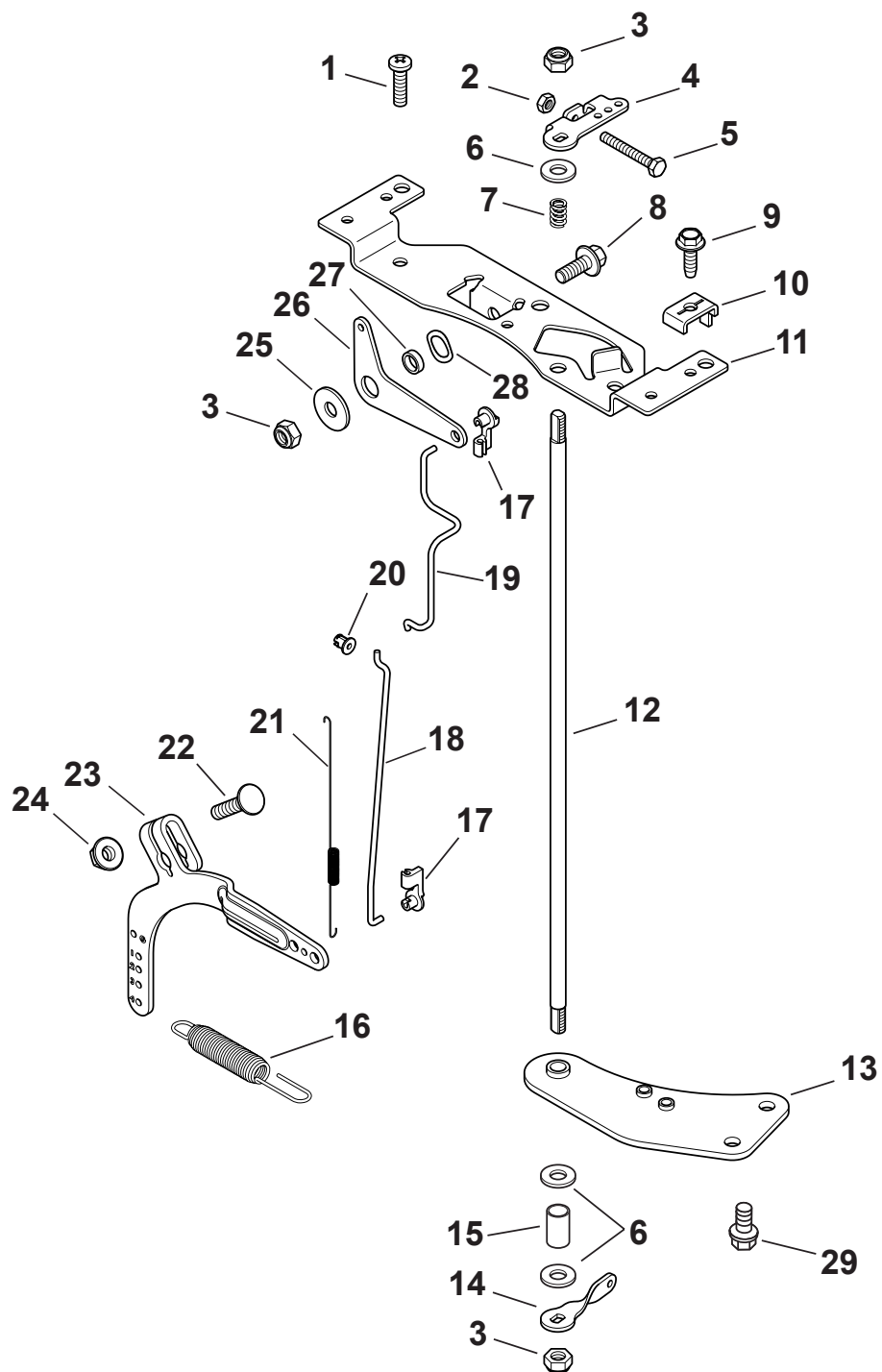
25 098 11-S (Delco)



Ref.	Part Number	Description
1	712-3086	Nut, Flg M8X1.25
2	KH-25-098-11-S	Starter Assy, Solenoid Shift
3	KH-M-851080-S	Screw, Flg M8x1.25x80
4	KH-24-081-04	Drive, End Cap
5	KH-52-100-09	Nut
6	KH-12-090-10	Lever, Drive
7	KH-24-755-84	Kit, Starter Repair
8	KH-12-239-01	Drive Pinion
9	KH-52-435-02	Solenoid
10	KH-52-100-10	Nut
11	KH-12-170-04	Armature
12	KH-12-471-01	Frame w/ Brushes
13	KH-52-323-03	Brush Holder
14	KH-52-221-01	Brush & Spring Kit
15	KH-52-089-09	Spring, Brush
16	KH-52-168-01	Insulator
17	KH-52-211-05	Thru Bolt
18	KH-24-301-01	Commutator, End Cap
19	KH-25-098-11-S	Starter Assy, Solenoid Shift
20	KH-25-435-04-S	Solenoid
21	KH-25-755-33-S	Kit, Starter Pinion (Includes 22)
22	KH-25-141-05-S	Ring, Retaining
23	KH-25-221-01-S	Kit, Brush Holder
24	KH-25-098-11-S	Starter Assy, Solenoid Shift
25	KH-25-435-06-S	Kit, Solenoid (Includes 26)
26	KH-25-086-113-S	Screw, External Torx Head
27	KH-25-098-11-S	Starter Assy, Solenoid Shift

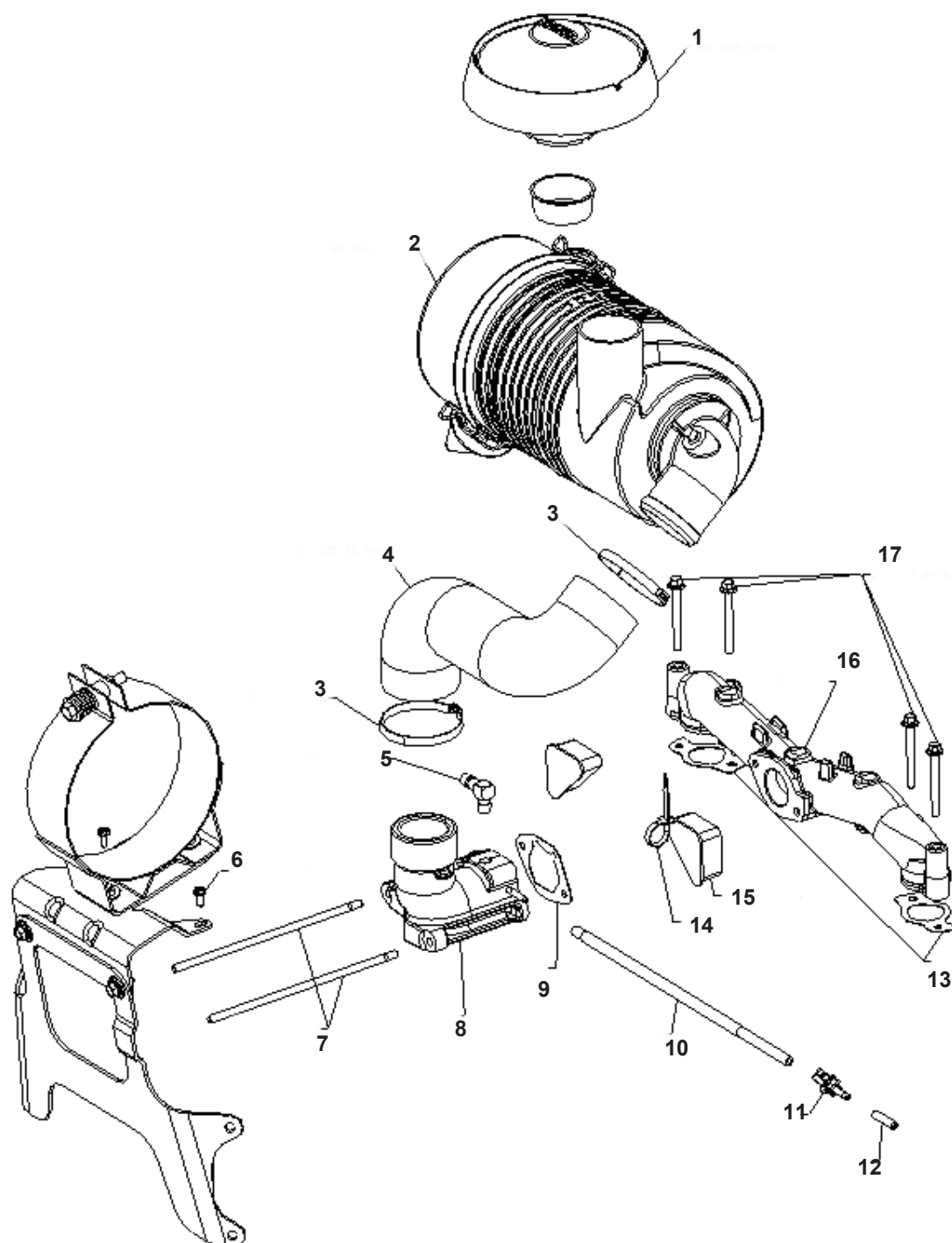
* Service starter components according to the part number printed on the starter. Starter components are NOT interchangeable. To replace complete Starter Assembly, order Part Number 25 098 09-S.

Kohler CV730-3148 Engine Controls



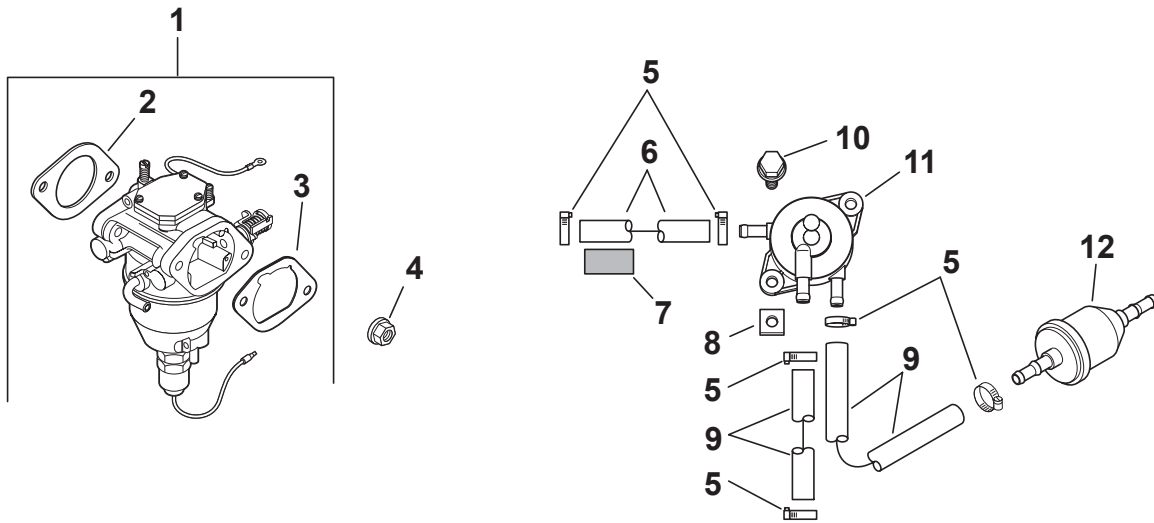
Ref.	Part Number	Description
1	KH-24-086-06	Screw, Phl Hd 11-16X3/4"
2	KH-M-446030-S	Nut, M4X0.7
3	KH-M-647060	Nut, Lock M6X1.0
4	KH-24-090-09	Lever, Throttle Control
5	KH-M-401030	Screw, Cap M4X0.7X30
6	KH-X-25-72	Washer, Flat 1/4"
7	KH-24-089-20	Spring, Throttle Shaft
8	KH-M-639016-S	Screw, FLG M6X1.0X16
9	KH-M-545016-S	Screw, Flg Thd Frm M5X0.8X16
10	KH-12-237-01	Clamp, Cable
11	KH-24-126-111-S	Bracket, Control
12	KH-24-144-11	Shaft, Throttle
13	KH-24-126-162-S	Bracket, Throttle Shaft
14	KH-24-090-12	Lever Throttle Control
15	KH-24-112-10	Spacer
16	KH-24-089-47-S	Spring, Governor
17	KH-25-158-11	Bushing, Throttle Linkage
18	KH-24-079-04	Linkage, Throttle
19	KH-24-079-10	Linkage, Choke
20	KH-25-158-08	Bushing, Linkage Retaining
21	KH-24-089-01	SPring, Linkage
22	KH-24-211-03-S	Bolt, Rd Hd Sq Neck M6X1.0X25
23	KH-24-090-51-S	Lever, Governor
24	KH-M-641060-S	Nut, Flg M6x1.0
25	736-0173	Washer, Flat 1/4"
26	KH-24-090-20	Lever, Choke
27	KH-25-431-01-S	Spacer
28	KH-277341	Washer, Spring 3/8"
29	KH-M-645016-S	Screw, Flg Thd Frm M6x1.0x16

Kohler CV730-3148 Air Intake/Filtration



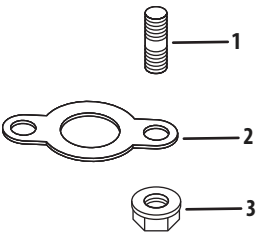
Ref.	Part-Number	Description
1	KH-25-324-04-S	Inlet Hood
2	KH-25-048-17-S	Air Cleaner
3	KH-25-237-21-S	Hose Clamp
4	KH-24-326-72-S	Air Cleaner Hose
5	KH-25-155-38-S	Hose Connector
6	KH-25-086-91-S	Screw, #8-18 x 1/2
7	KH-24-072-10-S	Stude, M6 x 1.0 x 180
8	KH-24-054-38-S	Kit, Elbow
9	KH-24-041-14	Air Cleaner Base Gasket
10	KH-25-326-08-S	Evaporative Hose
11	KH-25-155-51-S	Evaporative Connector
12	KH-25-173-33-S	Masking Cap
13	KH-24-041-01	Intake Manifold Gasket
14	KH-25-454-04-S	Tie
15	KH-24-096-17-S	Blower Housing Cover
16	KH-24-164-06	Intake Manifold
17	KH-25-086-84-S	Screw, M6 x 1.0 x 55

Kohler CV730-3148 Fuel System



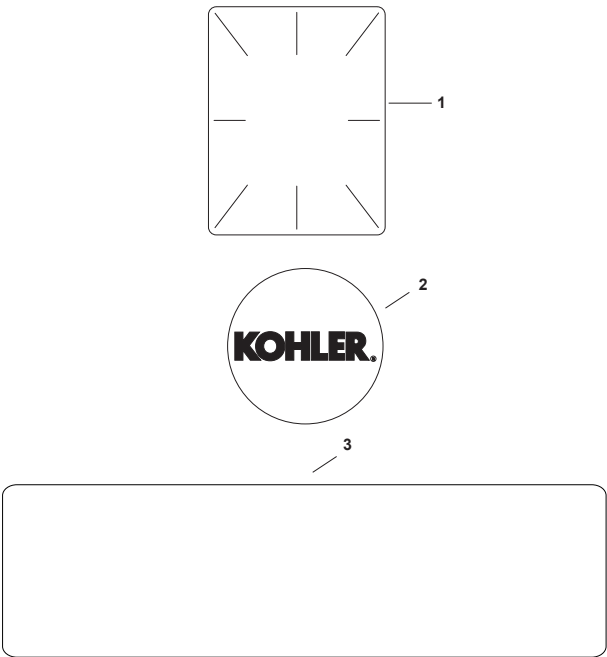
Ref.	Part Number	Description
1	KH-24-853-92-S	Kit, Carburetor W/Gaskets (Includes 2,3)
2	KH-24-041-15	Gasket, Carburetor
3	KH-24-041-14	Gasket, Air Cleaner Base
4	KH-M-641060-S	Nut, Flg M6x1.0
5	KH-25-237-31-S	Clamp, Hose
6	KH-24-353-12	Line, Flex 11" Pump-Pulse (Air Only)
7	KH-24-431-02-S	Sleeve, Insulating 14"
8	KH-25-100-37-S	Nut, Plastic
9	KH-25-111-81-S	Line, Fuel (24"-Cut To Length)
10	KH-24-086-12	Screw, Tap M6x1.7x18
11	KH-24-393-16	Pump, Fuel
12	KH-25-050-22-S1	Filter, Fuel
—	KH-24-757-18-S	Kit, Repair Overhaul
—	KH-24-757-19	Kit, Repair Service Choke
—	KH-24-757-20	Kit, Repair Service Gasket
—	KH-24-757-21-S	Kit, ACC Pump w/Gaskets
—	KH-24-757-22	Kit, Repair Solenoid Valve
—	KH-24-234-02-S	Bowl Float

Kohler CV730-3148 Exhaust



Ref.	Part Number	Description
1	KH-25-072-24-S	Stud, M8X1.25X33
2	KH-24-041-49-S	Gasket, Exhaust
3	712-3086	Nut, Flg M8X1.25

Kohler CV730-3148 Labels



Artwork is representative.
Actual labels may differ depending on model and specification number.

Ref.	Part Number	Description
1	KH-25-113-39-S	Decal, Clear Laminate
2	KH-24-113-18-S	Decal, Grass Screen
3	KH-24-113-52-S	Decal, Command 25 HP



To order replacement parts, call a Customer Support Representative at (800) 965-4CUB.
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or visit www.cubcadet.com to find the nearest Cub Cadet dealer in your area.

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