

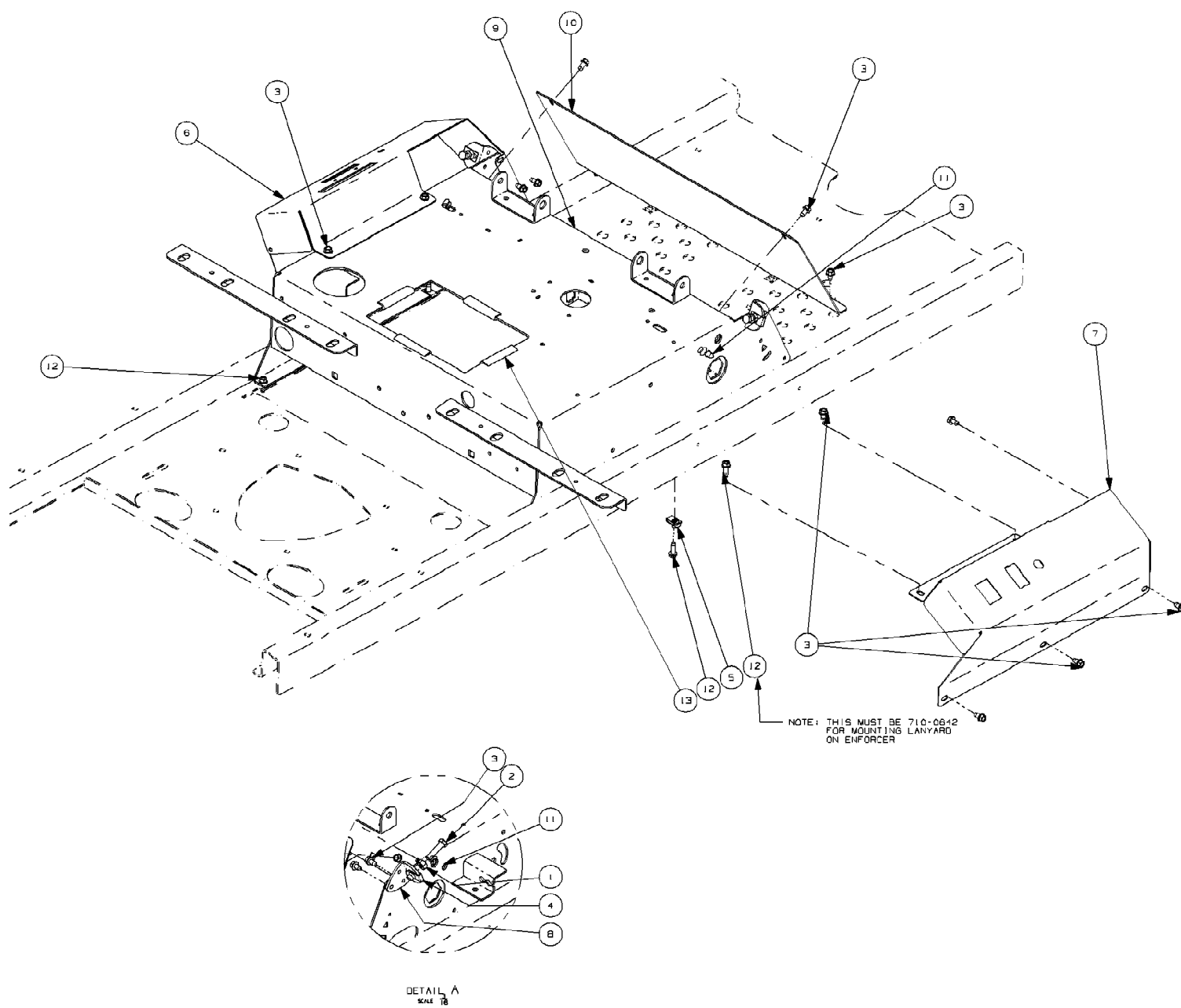
Z-Force 48 Kohler 17AF3AGV
Brake Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	000005530	3		Washer, .406 x .812 x .062
2	00012180	1		Hex Head Cap Screw, 5/16-18 x 1.00
3	00022560	2		Hex Nut, 3/8-16 Flange Lock
4	01000101	1		Slide Washer
5	01000635	3	S	Nut, 5/16-18, Flange Lock
6	01002710	3		Washer, .375 x .738 x .063
7	01009253	1		Flat Washer, .390 x 1.5 x .134
8	02002885	1		Spacer, .380 x .563 x .196
9	02003717	1		Sockethead Capscrew, 3/8-16 x 1.50
10	02003740	1		Parking Brake Grip
11	02003839	1		Spacer, .322 ID x .438 OD x .44
12	02003840	1		Spacer, .442 ID x .563 OD x .405
13	02004045	1		Step Hub, .379 x 1.5 x .257/.400
14	02004124	1		Sockethead Capscrew, 5/16-18 x 1.00
15	02004174	1		Lockout Lever Plate
16	680-00049	1		Brake Handle
17	710-0520	1	/P	Hex Head Cap Screw, 3/8-16 x 1.50 replaces 00010980
18	714-0474	1	S	Cotter Pin, 1/8 x 1.75
19	736-3089	1	/P	Washer, .345 x 1.00 x .100
20	746-04564	1	S	Left Hand Brake Cable
21	746-04565	1	S	Right Hand Brake Cable

Z-Force 48 Kohler 17AF3AGV
Control Assembly

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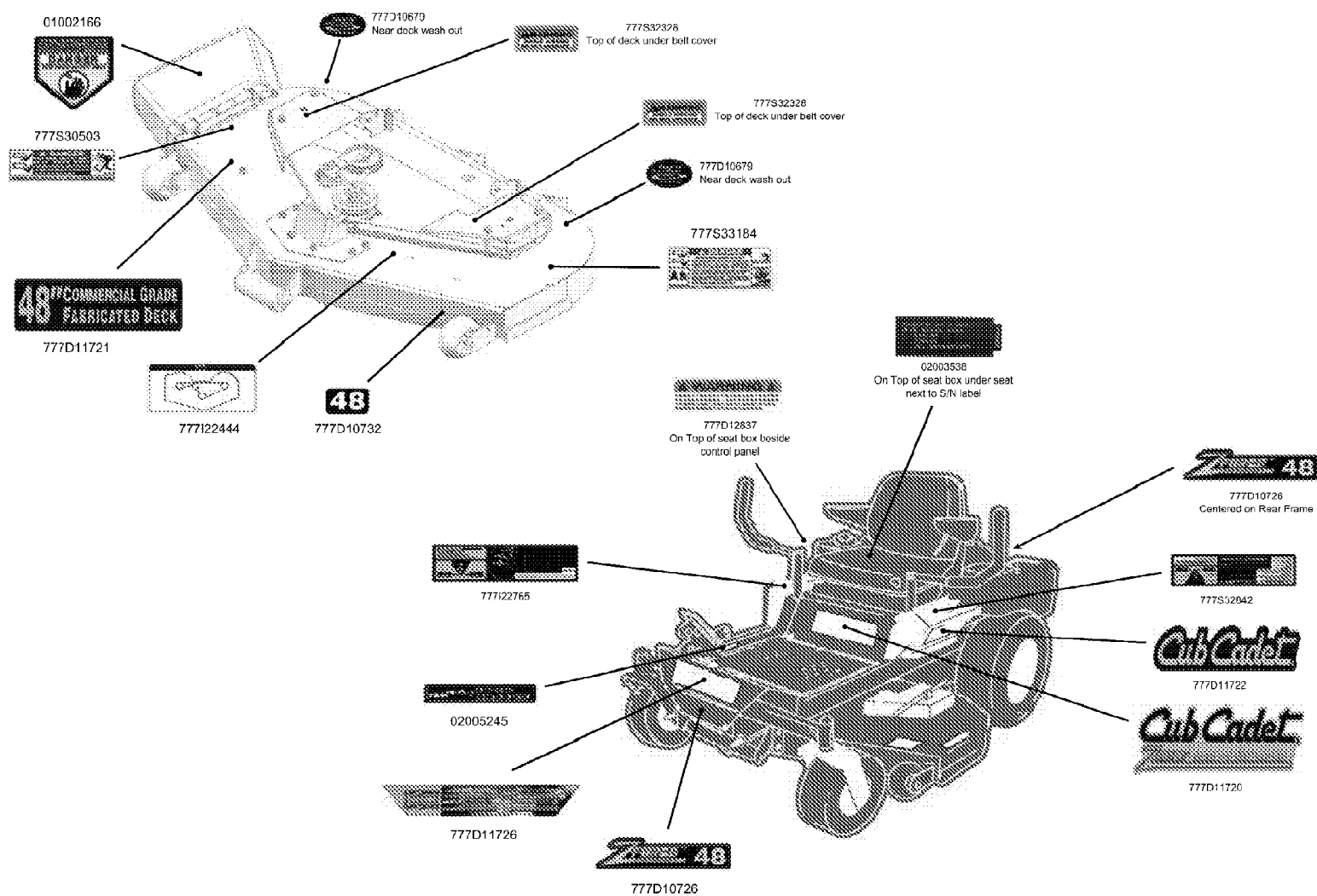
Z-Force 48 Kohler 17AF3AGV
Control Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	00012166	2		Hex Nut, 5/16-18
2	00013116	2		HHCS, 5/16-18 x 1-1/4
3	01000628	19	S	Screw, 1/4-20 x 1/2
4	01003563	2		U-Nut, 5/16-18
5	01008539	5	S	U-Nut, 1/4-20
6	02002735	1	S	Left Hand Control Console
7	02002736	1	S	Right Hand Control Console
8	02002761	2		Forward/Reverse Stop Bracket
9	680-00048	1		Control Housing Weldment
10	703-07000	1		Front Panel
11	710-04484	2		Self Tapping Screw 5/16-18 x .750 replaces 01008620
12	710-0642	5	/P	Self Tapping Screw, 1/4-20 x .75
13	735-04130	4	/P	Battery Edge Trim replaces 01008572

Z-Force 48 Kohler 17AF3AGV
Decal Map

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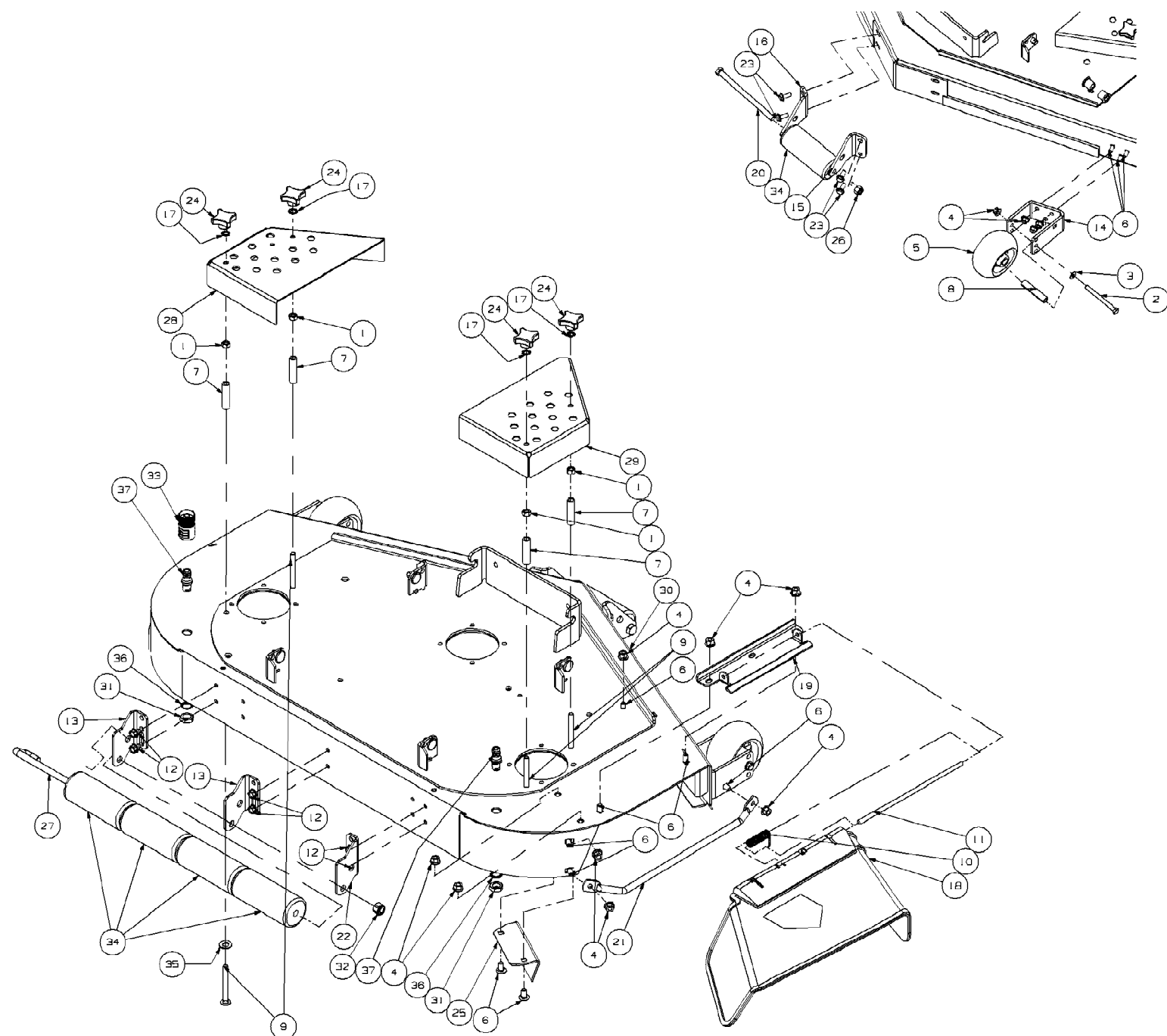
Z-Force 48 Kohler 17AF3AGV
Decal Map

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Ref #	Part Number	Qty	S/P/F	Description
01002166	01002166	1		LABEL-HANDS & FEET 21"COMM
777S32598	777S32598	1		RDR:DECK:50" & 60":ZERO TURN
777D11721	777D11721	1		48" Commercial Grade Fabricated Deck
777I22444	777I22444	1		Label, INSTR:50"DECK ZFORCE
777D10726	777D10726	1		Z-Force 48
777S32598	777S32598	1		RDR:DECK:50" & 60":ZERO TURN
777D10679	777D10679	1		Label, CUB COMM:DK WSH:BLK
777S32328	777S32328	1	/P	LABEL
777S32328	777S32328	1	/P	LABEL
777D10679	777D10679	1		Label, CUB COMM:DK WSH:BLK
777D11724	777D11724	1		Cub Cadet Label
777D11726	777D11726	1		Label
02005245	02005245	1		LABEL-DECK HEIGHT ADJ
777D11723	777D11723	1		Cub Cadet Label
777D11720	777D11720	1		Cub Cadet Z-Force Label
777I22765	777I22765	1		Label, ZFORCE:PANEL IGNIT NO REV
777D11725	777D11725	1		Cub Cadet Label
777S32842	777S32842	1		Label, CUB COMM:ZFORCE PNL
777D11722	777D11722	1		Cub Cadet Label
777D11720	777D11720	1		LABEL - Z-FORCE BELOW SEAT

Z-Force 48 Kohler 17AF3AGV
Deck

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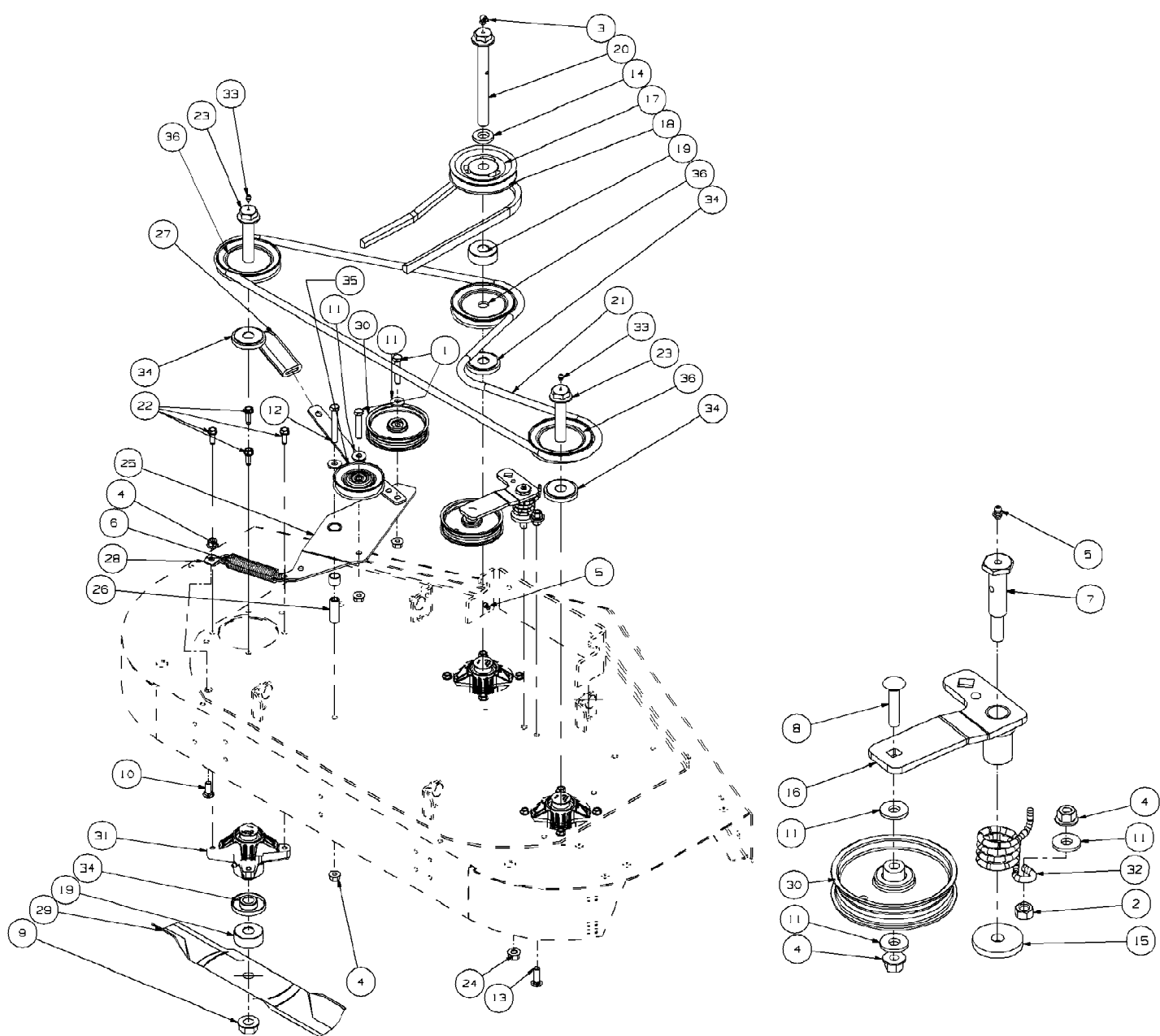
Z-Force 48 Kohler 17AF3AGV
Deck

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Ref #	Part Number	Qty	S/P/F	Description
1	00006131	4	S	Nut, 3/8-16, Hex
2	00011925	2		Hex Cap Screw, 3/8-16, 3.75
3	00012158	2		Washer
4	00022560	16		Hex Nut, 3/8-16 Flange Lock
5	634-3159	2	/P	Complete Wheel, 5.00 Dia
6	01000372	14	S	Carriage Bolt 3/8-16 x .75
7	01000395	4	/P	Spacer
8	01000398	2	S	Wheel Spacer
9	01002750	4	S	Carriage Bolt, 3/8-16 x 3.50
10	01003253	1	S	Torsion Spring
11	01003254	1	S	Chute Deflector Rod
12	01004304	6		Self Tapping Screw, 5/16-18 x 1/2
13	01004707	2		Fabricated Deck Roller Mount Bracket
14	01005243	2		Front Anti-Scalp Wheel Mount Bracket
15	01005244	1	/P	Left Hand Front Roller Mount Bracket
16	01005245	1		Right Hand Front Roller Mount Bracket
17	01005851	4		External Washer, 3/8
18	01006693	1		Deflector Chute
19	01006748	1	S	Deflector Chute Bracket
20	01006961	1		Hex Cap Screw, 1/2-20 x 7.50
21	01008644	1		Fabricated Deck Finger Guard
22	01008790	1	S	Grass Catcher Roller Bracket
23	01009243	4		Self Tapping Screw, 3/8-16 x 0.875
24	02000040	4		Plastic Knob
25	02001235	1	S	Fabricated Deck, Chute Bracket
26	02002299	1		Lock Nut, Nylon Insert, 1/2-20
27	02002799	1	/P	J-Hook w/ Threaded Roller
28	02003605	1	S	Belt Cover, LH
29	02003606	1	S	Belt Cover, RH
30	02005231	1		48 Fabricated Deck Assembly
31	712-0641	2	S	Hex Nut, M16-1.5
32	712-3083	1	/P	Hex Nut, 1/2-13, Insert Lock replaces 00012428
33	721-04041	1	S	Water Nozzle Adaptor
34	731-3005	5	/P	Front Roller
35	736-0272	4	S	Washer, .510 x 1.00 x .060
36	736-0760	2	S	Lock Washer, 17 x 23.8 x 1.95
37	737-04003C	2	S	Deck Water Nozzle

Z-Force 48 Kohler 17AF3AGV
Deck Spindle Assembly

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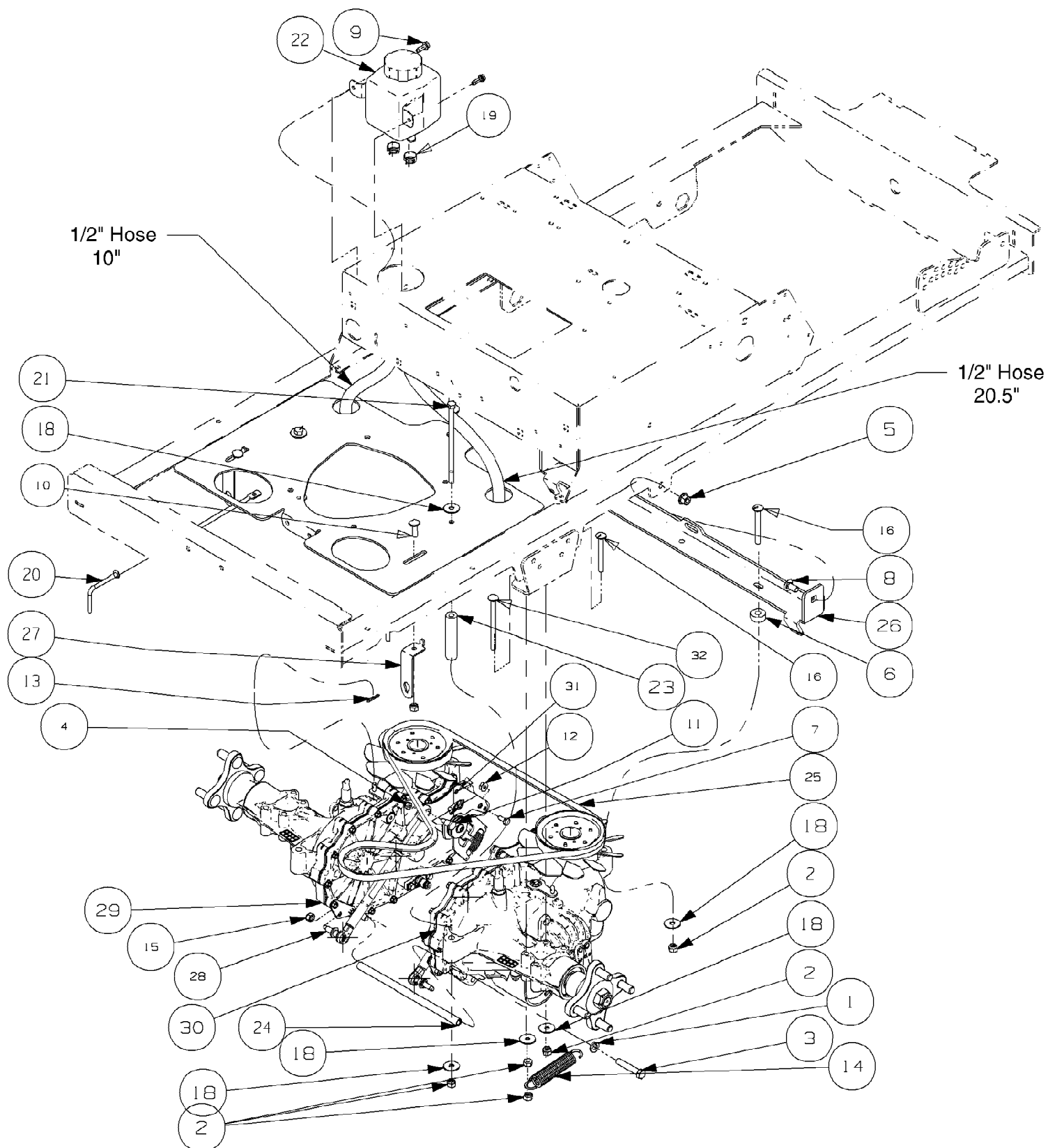
Z-Force 48 Kohler 17AF3AGV
Deck Spindle Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	00002528	2		Hex Cap Screw, 3/8-16 x 2.00
2	00006131	1	S	Hex Nut 3/8-16
3	00012226	1	S	Grease Fitting, 90°
4	00022560	6		Hex Nut, 3/8-16 Flange Lock
5	00060078	2	/P	Grease Fitting, 1/4-28 x 3/16
6	01000199	1		Extension Spring, 1.0 OD x 5.00
7	01000302	1	/P	Shoulder Screw, 7/16-14
8	01000364	1	S	Hex Carriage Screw, 3/8-16, 1.75
9	712-3078	3	/P	Hex Flange Nut, 3/4-16
10	710-3168	1	/P	Carriage Bolt, 3/8-16 x 1.00 replaces 01000643
11	01000723	6	S	Flat Washer, .406 ID x 1.0 OD x .105
12	01001371	1	S	Hex Cap Screw 3/8-16 x 2.75
13	01002010	1	S	Carriage Screw, 3/8-16 x 1.25
14	01003123	1		Spacer, .812 ID x .218
15	01003269	1		Flat Washer, 7/16 ID x 1.75 OD
16	01005737	1	/P	Idler Arm Assembly, Deck Spindle includes:
16	01000308	2		Bearing not shown
17	01005202	1		V-Pulley, 4.75 OD
18	01009787	1		V-Belt, B-Section
19	750-05184	4	/P	Spacer .760 ID x 2.00 OD x 0.790 Replaces 01010014
20	02000071	1		Spindle Bolt, 3/4-16 x 7.155
21	02000154	1		V-Belt, A-Section
22	02000762	12		Self Tapping Screw 5/16-18 x 1.00
23	02000819	2		Spindle Bolt 3/4-16 x 5.37
24	02000948	1		Nut, 7/16-20, FlangeLock
25	853-000029	1		Idler Arm Assembly, Double, includes:
25	01000308	2		Bearing not shown
26	02003640	1		Spacer, .39 ID x .625 OD x 1.875
27	02003740	1		Grip, 1.0 x 3.2 x .25
28	02004195	1	/P	Tension Spring Bracket
29	02005017	3	/P	Blade, 17.0, Hi-Lift, 0.756 ID
30	02005077	2	/P	Flat Pulley
31	618-04426	3	S	Spindle Assembly
32	732-3067	1		Idler Torsion Spring
33	737-3000	2	S	Grease Fitting
34	748-3065A	6	/P	Spindle Spacer
35	02005078	1		V-Pulley, 3.5 OD
36	756-3089	3		Pulley

Z-Force 48 Kohler 17AF3AGV
Drive Train

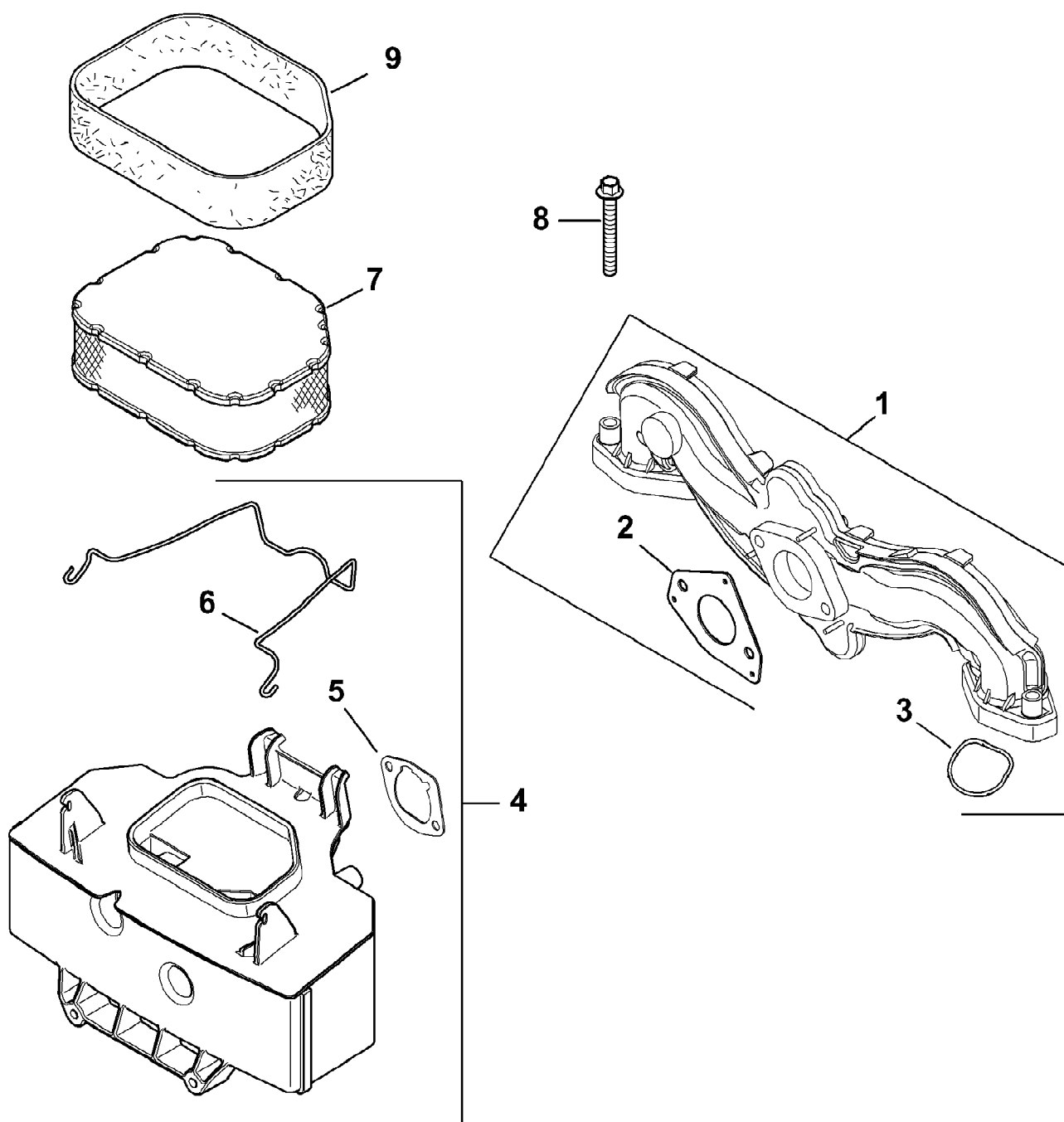
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Z-Force 48 Kohler 17AF3AGV
Drive Train

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Ref #	Part Number	Qty	S/P/F	Description
1	736-0169	2	S	Lock Washer, 3/8 Zinc
2	712-0429	12	S	Nylock Nut, 5/16-18 replaces 00012165
3	00012172	2		Hex Cap Screw, 3/8-16 x 2.00
4	712-04177	2	/P	Nut, 1/4-28, SS, Nylon Insert
5	00022560	2		Nut, Flange Lock, 3/8-16
6	750-3119	2	/P	Spacer .406 ID x 1.0 OD
7	01000338	2	S	Hex Cap Screw 1/4-20 x .620
8	01000372	2	S	Carriage Bolt, 3/8-16
9	710-0642	2	/P	Self Tapping Screw, 1/4-20 x .75
10	01000641	2		Carriage Bolt, 5/16-18 x 1.00
11	01001919	2		Shoulder Screw, 1/4-28
12	01002766	1	S	Nut, 1/4-20, Hex Flange Lock Nut
13	01002771	2	S	Cotter Pin, .072 x 1.12 Lg
14	01002874	2		Extension Spring, .865 OD x 4.68 Long
15	01003561	2		Nut, Hex, Center Lock, M8
16	01005340	4		Carriage Bolt, 5/16-18 x 2.75
17		1		Fuel Hose, .50 ID x .75 OD 30.5 inches purchase locally
18	01009937	10		Washer, 5/16 x 1.06
19	02001111	4	/P	Hose Clamp
20	02001332	2		Pump Rod
21	02001556	2		Hex Cap Screw, 5/16-18 x 6.00
22	631-04286	1	/P	Hydraulic Tank
23	02002646	2		Spacer, .375 ID x .75 OD x 3.30
24	02002647	1		Transmission Support Tube
25	02002648	1		V-Belt, 58.4
26	02002679	1	S	Transmission Front Mounting Bracket
27	02002965	2	S	Neutral Bracket
28	02003622	2		Cylinder Return to Neutral
29	02004678	1	S	IZT Transmission, Left hand
29	02002150	1	S	Filter
30	02004679	1	S	IZT Transmission, Right hand
30	02002150	1	S	Filter
31	02004681	2		Return to Neutral Control Bracket
32	02005326	2		Carriage Bolt, 5/16-18 x 4.00
33		1		WHEEL-4.80/4.00



Z-Force 48 Kohler 17AF3AGV
Engine Air Intake & Filtration

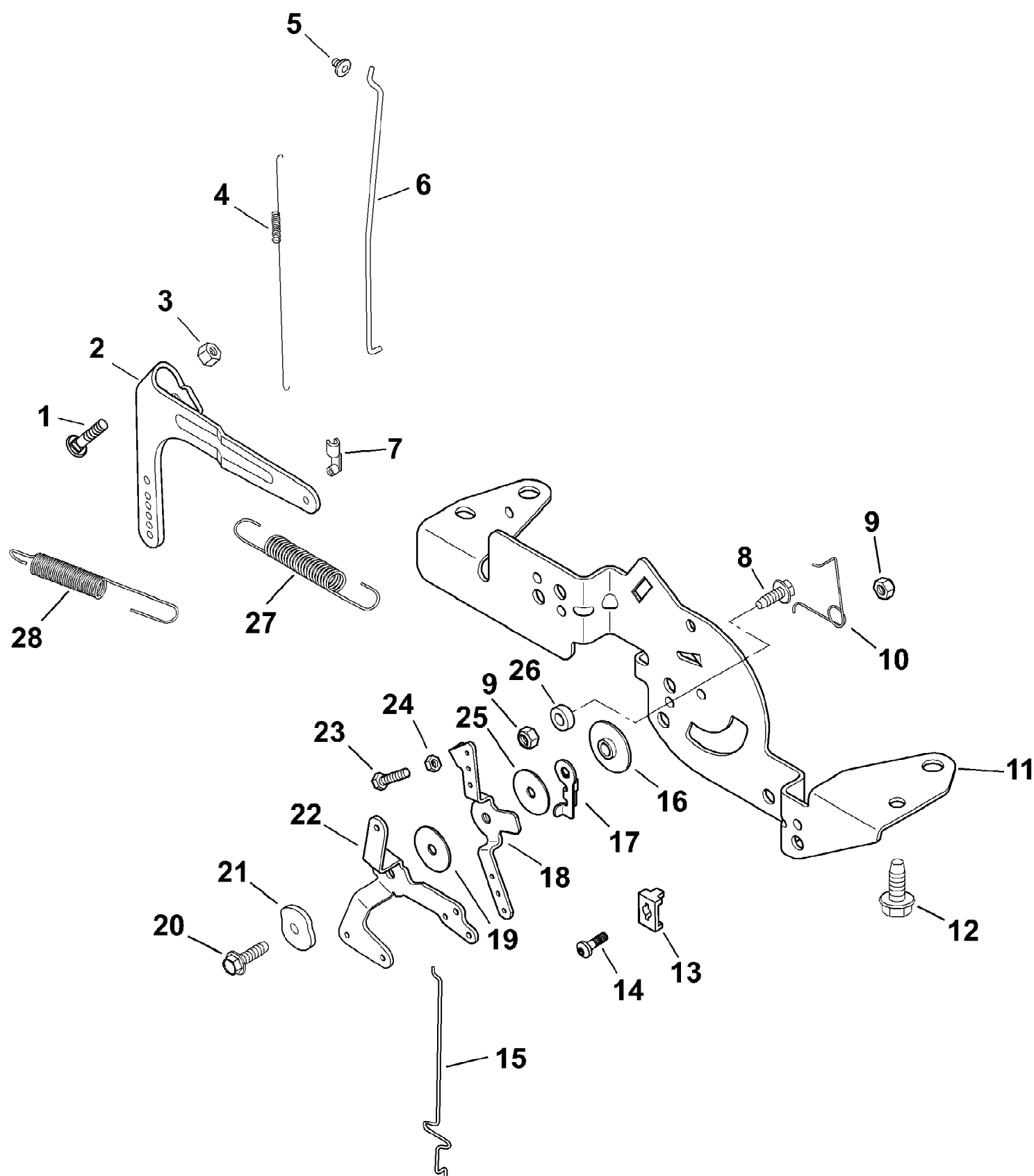
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Ref #	Part Number	Qty	S/P/F	Description
1	KH-24-164-51-S	1	S	Manifold, Intake (Includes Ref No. 2 & 3)
2	KH-24-041-52-S	1	/P	Gasket, Carburetor
3	KH-24-153-27-S	1	/P	O-Ring, Intake Port
4	KH-32-094-04-S	1	/P	Kit, Air Cleaner Base (Includes Ref No. 5 & 6)
5	KH-24-041-14	1	/P	Gasket, Air Cleaner Base
6	KH-32-344-03-S	1		Latch, Air Cleaner Element
7	KH-32-083-06-S	1	/P	Element, Air Filter
8	KH-M-651040-S	4		Screw, FLG M6 x 1.0 x 40
9	KH-32-083-08-S	1	/P	Element, Pre-Cleaner

Z-Force 48 Kohler 17AF3AGV
Engine Blower Housing & Baffles

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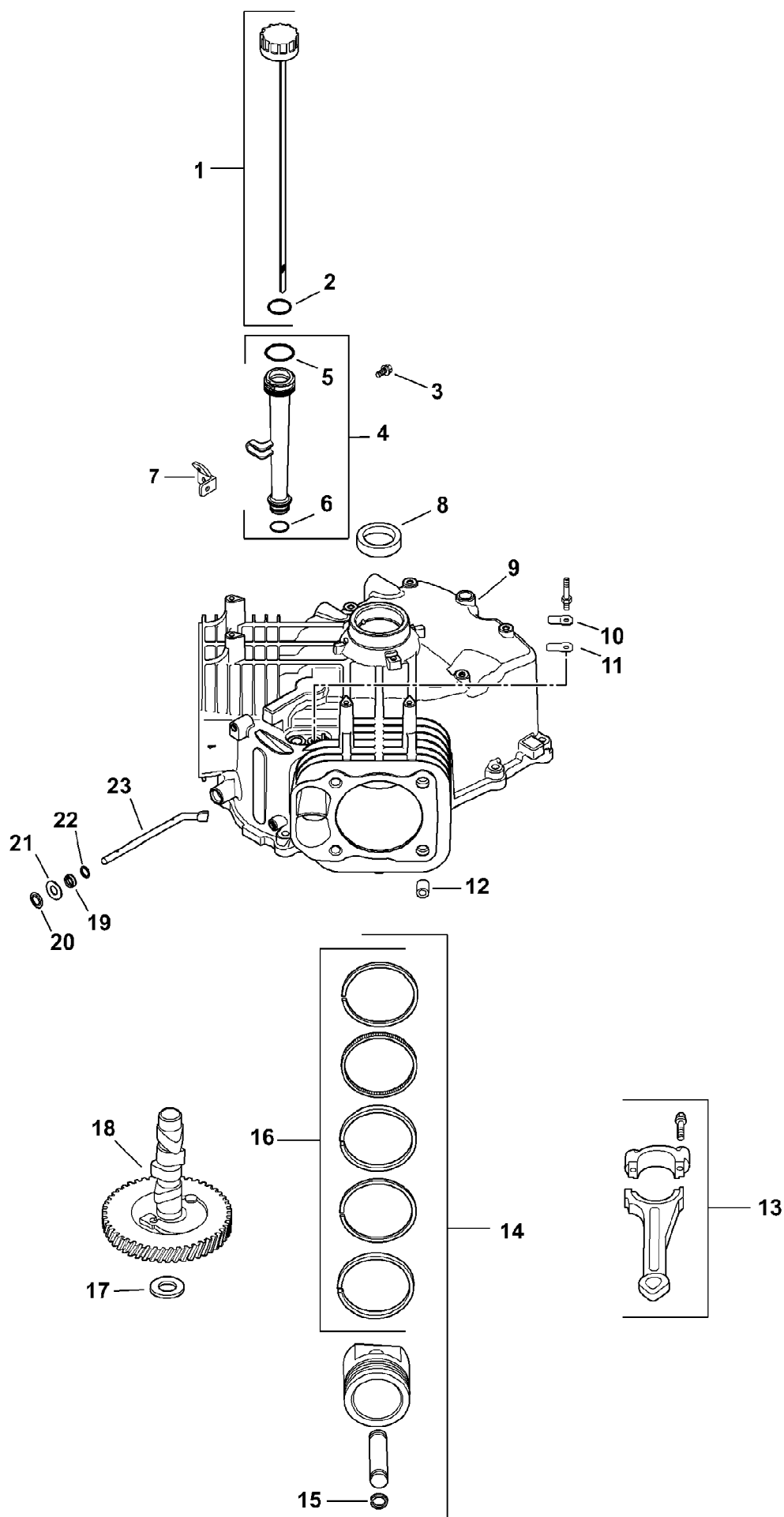
Ref #	Part Number	Qty	S/P/F	Description
1	KH-32-027-08-S	1	/P	Kit, Blower Housing-Fixed Guard (Includes 2 & KH-41 037 10-S)
2	KH-32-096-09-S	1		Cover, Air Cleaner (Black)
3	KH-M-545010	4	S	Screw, FLG THD FRM M5 x .8 x 10
4	KH-M-545016-S	8	/P	Screw, FLG THD FRM M5 x .8 x 16
5	KH-32-146-05-S	1		Kit, Backing Plate
6	KH-32-063-12-S	1		Baffle, Cyl Barrel-#2 Side
7	KH-M-645016-S	6	/P	Screw, FLG THD FRM M6 x 1.0 x 16
8	KH-32-063-02-S	1		Baffle, Valley #2 Side
9	KH-32-063-03-S	1		Baffle, Valley #1 Side
10	KH-32-063-10-S	1		Baffle, CYL Barrel - #1 Side
11	KH-24-086-12	2		Screw, Tap M6 x 1.7 x 18
	KH-32-113-11-S	1		Decal, Fixed Guard (Not shown)
	KH-41-037-10-S	1		Nameplate, Service (Not shown)



Z-Force 48 Kohler 17AF3AGV
Engine Controls

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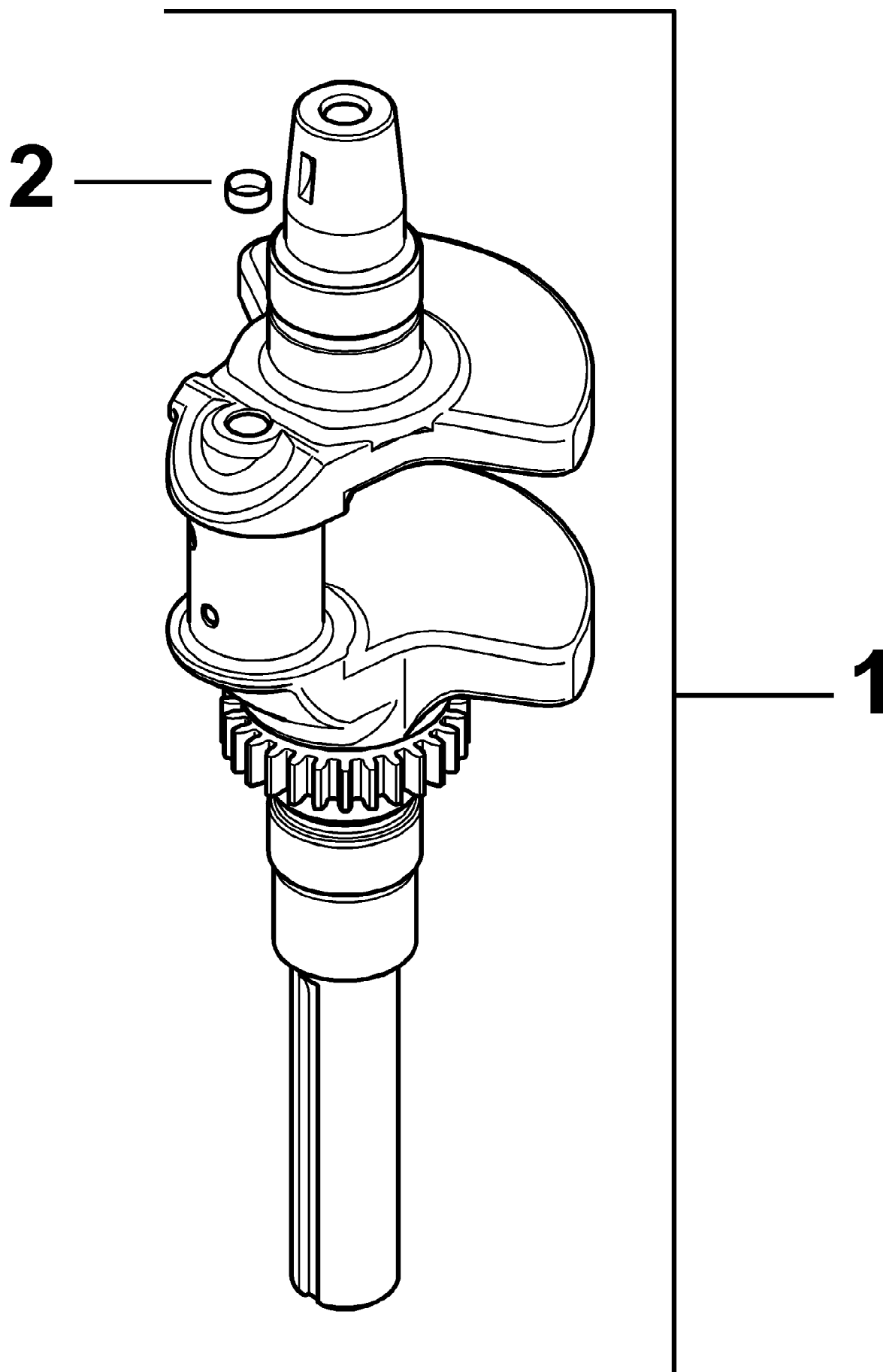
Ref #	Part Number	Qty	S/P/F	Description
1	KH-24-211-03-S	1		Bolt, RD HD SQ Neck M6 x 1.0 x 25
2	KH-24-090-51-S	1	/P	Lever, Governor
3	KH-M-641060-S	1	/P	Nut, FLG M6 x 1.0
4	KH-24-089-01	1		Spring, Linkage
5	KH-25-158-08	1	/P	Bushing, Linkage Retaining
6	KH-24-079-04	1		Linkage, Throttle
7	KH-25-158-11	1	/P	Bushing, Throttle Linkage
8	KH-M-545016-S	1	/P	Screw, FLG THD FRM M5 x 0.8 x 16
9	KH-M-547050-S	2		Nut, Lock M5 x 0.8
10	KH-24-089-03	1		Spring, Choke Return
11	KH-24-126-161-S	1	S	Bracket, Control
12	KH-M-645016-S	4	/P	Screw, FLG THD FRM M6 x 1.0 x16
13	KH-12-237-01	2		Clamo, Cable
14	KH-24-086-43-S	2		Screw, LBD THD FRM M5 x 0.8 x 16
15	KH-24-079-22-S	1		Linkage, Choke
16	KH-24-112-27-S	1		Spacer, Control Assembly
17	KH-24-090-47-S	1		Lever, Throttle Actuator
18	KH-24-090-13	1		Lever, Throttle Control
19	KH-24-468-01	1		Washer, Flat 5.5 MM
20	KH-M-545020-S	1		Screw, FLG THD FRM M5 x 0.8 x 20
21	KH-41-468-03	1		Washer, Spring 1/4"
22	KH-24-090-05	1		Lever, Choke
23	KH-M-403025	1		Screw, Slt Hd Cap M4 x 0.7 x 25
24	KH-M-446030-S	1	/P	Nut, M4 x 0.7
25	KH-24-468-20-S	1		Washer, Flat 5 MM
26	KH-24-089-55-S	1		Spring, Governor
27	KH-24-089-18	1	/P	Spring, Governor SV820-0011
	KH-24-089-25-S	1	/P	Spring, Governor Sv830-0011



Z-Force 48 Kohler 17AF3AGV
Engine Crankcase

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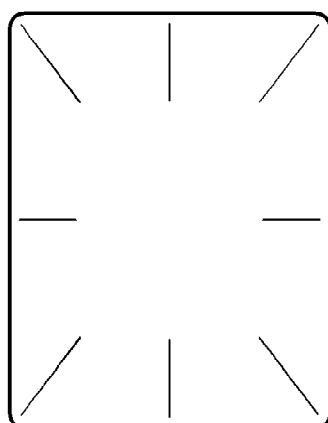
Ref #	Part Number	Qty	S/P/F	Description
1	KH-32-038-01-S	1	S	Dipstick, Assy (Cub Yellow) (Includes Ref No. 2)
2	KH-25-153-02-S	1		O-Ring, Dipstick
3	KH-M-545013-S	1		Screw, Flg Thd Frm M5x0.8x13
4	KH-12-123-04	1	S	Kit, Oil Fill Cap (Includes 5, 6)
5	KH-12-153-02-S	1	/P	O-Ring, Upper Oil Fill Tube
6	KH-12-153-01-S	1	/P	O-Ring, Lower Oil Fill Tube
7	KH-24-126-19	1		Bracket, Oil Fill Tube
8	KH-24-032-19-S	1	/P	Seal, Oil
9		1		Crankcase (use: Shortblock)
9	KH-32-522-03	1		Shortblock SV820-0011
9	KH-32-522-02	1		Shortblock SV830-0011
10	KH-24-018-04-S	1		Retainer, Breather Reed
11	KH-12-402-02	1		Reed, Breather
12	KH-24-380-16-S	6	/P	Pin, Locating
13	KH-24-067-24-S	2	S	Connecting Rod (STD)
14	KH-32-874-01-S	2		Kit, Piston w/ Ring (STD) (Includes Ref No. 15 & 16)
14	KH-32-874-08-S	1	S	Kit, Piston w/ Ring (.25) SV820-0011
14	KH-24-874-28-S	1	/P	Kit, Piston w/ Ring (.25) SV830-0011
14	KH-24-874-27-S	1	S	Kit, Piston w/ Ring (.08)
15	KH-24-018-01-S	4	/P	Retainer, Piston Pin
16	KH-24-108-14-S	2		Ring Set (STD & .08)
16	KH-24-108-16-S	1	/P	Ring Set (.25)
17	KH-12-422-07-S	1	/P	Shim, Camshaft (White .028) AR
17	KH-12-422-08-S	1	/P	Shim, Camshaft (Blue .03) AR
17	KH-12-422-09-S	1	/P	Shim, Camshaft (Red .032) AR
17	KH-12-422-10-S	1	/P	Shim, Camshaft (Yellow .034) AR
17	KH-12-422-11-S	1	/P	Shim, Camshaft (Green .036) AR
17	KH-12-422-12-S	1	/P	Shim, Camshaft (Gray .038) AR
17	KH-12-422-13-S	1	/P	Shim, Camshaft (Black .04) AR
18	KH-32-012-01-S	1		Kit, Camshaft (Includes Lubricant)
19	KH-28-032-09-S	1		Seal, Governor Cross Shaft
20	KH-24-018-09-S	1		Retainer Ring
21	KH-M-931010-S	1		Washer, Flat 9MM
22	KH-24-468-15-S	1		Washer, Flat 11/32"
23	KH-24-144-38-S	1	/P	Shaft, Governor Cross
	KH-25-357-14-S	1		Lubricant, Camshaft (not shown)



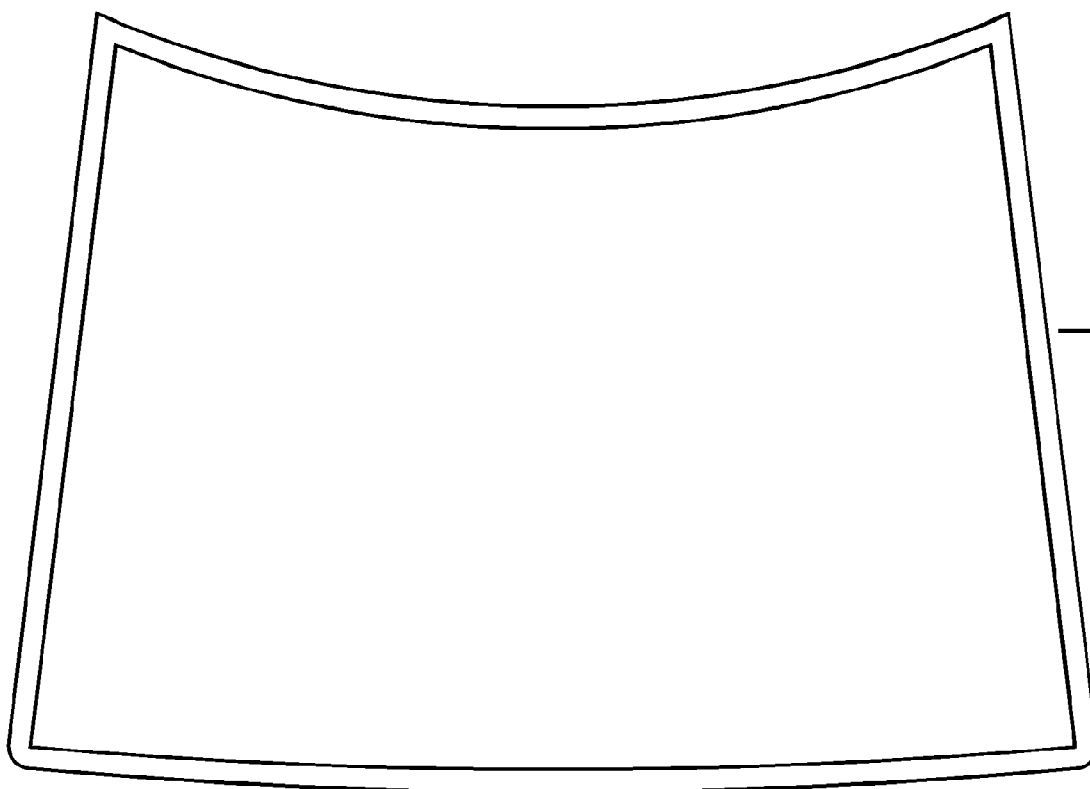
Z-Force 48 Kohler 17AF3AGV
Engine Crankshaft

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-32-014-04-S	1	S	Crankshaft (Includes Ref No. 2)
2	KH-52-139-09-S	1	/P	Plug, Cup



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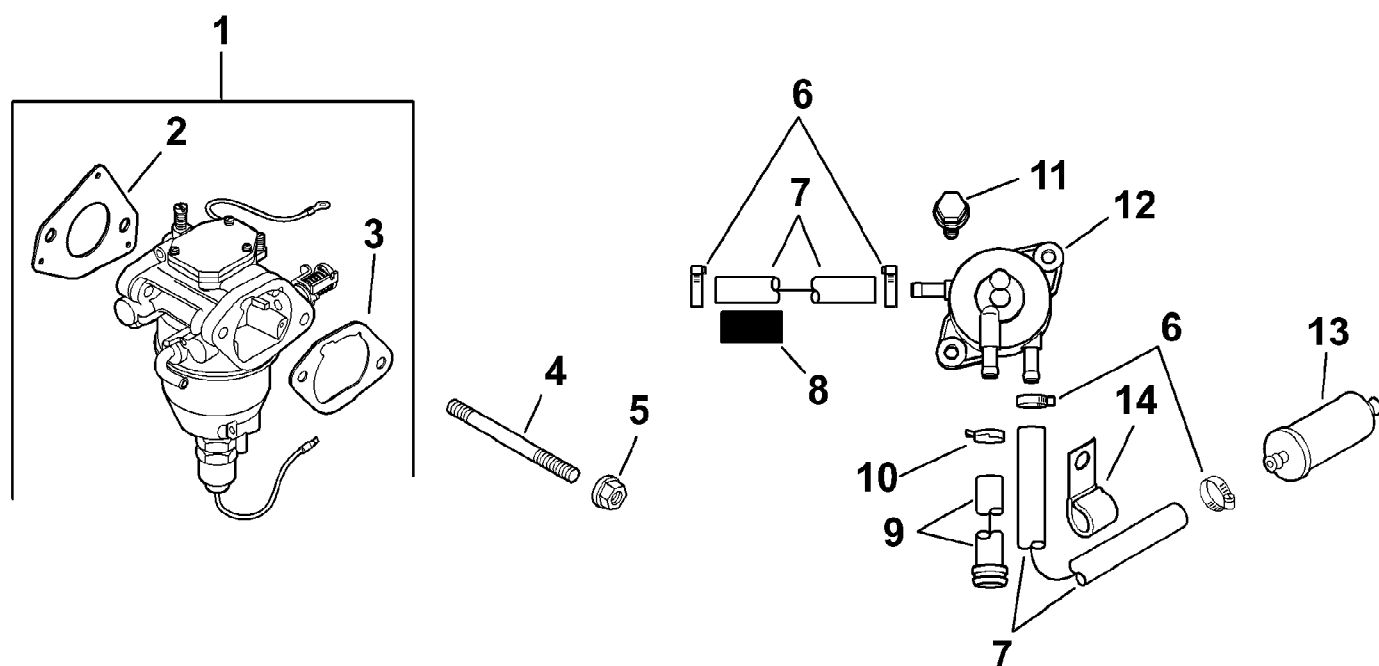


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Z-Force 48 Kohler 17AF3AGV
Engine Decals

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-25-113-39-S	1		Decal, Clear Laminate
2	KH-32-113-36-S	1		Decal, 23HP SV820-0011
	KH-32-113-37-S	1		Decal, 25HP SV830-0011



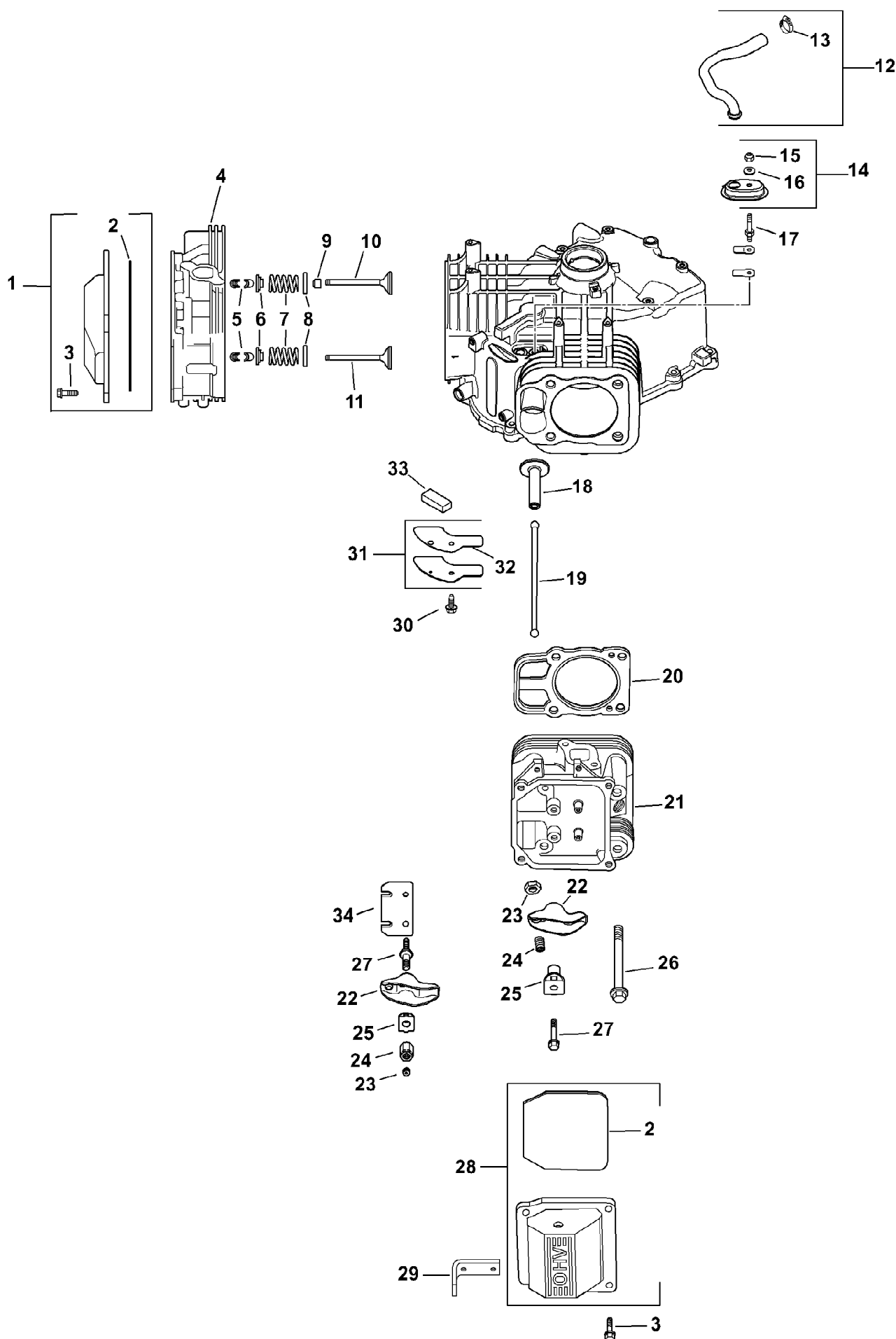
Z-Force 48 Kohler 17AF3AGV
Engine Fuel System

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-32-853-07-S	1	S	KIT, CARBURETOR W/GASKETS (Includes Ref. No. 2 & 3)
2	KH-24-041-52-S	1	/P	GASKET, CARBURETOR
3	KH-24-041-14	1	/P	GASKET, AIR CLEANER BASE
4	KH-M-629105-S	2		STUD, M6X1.0X106
5	KH-M-641060-S	2	/P	NUT, FLG M6X1.0
6	KH-25-237-14-S	2	/P	CLAMP, SPRING HOSE 1/2"
7	KH-25-111-34-S	1		LINE, FUEL (24"-CUT TO LENGTH)
8	KH-25-431-10-S	1		SLEEVE, ANTI ABRASION
9	KH-32-326-02-S	1	S	KIT, FUEL PUMP HOSE W/CLAMP (Includes Ref. No 10)
10	KH-25-237-01-S	1		CLAMP, HOSE
11	KH-24-086-12	2		SCREW, TAP M6X1.7X18
12	KH-24-393-16	1	/P	PUMP, FUEL
13	KH-24-050-13-S	1	/P	FILTER, FUEL
14	KH-47-154-01-S	1	/P	CLIP, CABLE

Z-Force 48 Kohler 17AF3AGV
Engine Head Valve Breather

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Z-Force 48 Kohler 17AF3AGV
Engine Head Valve Breather

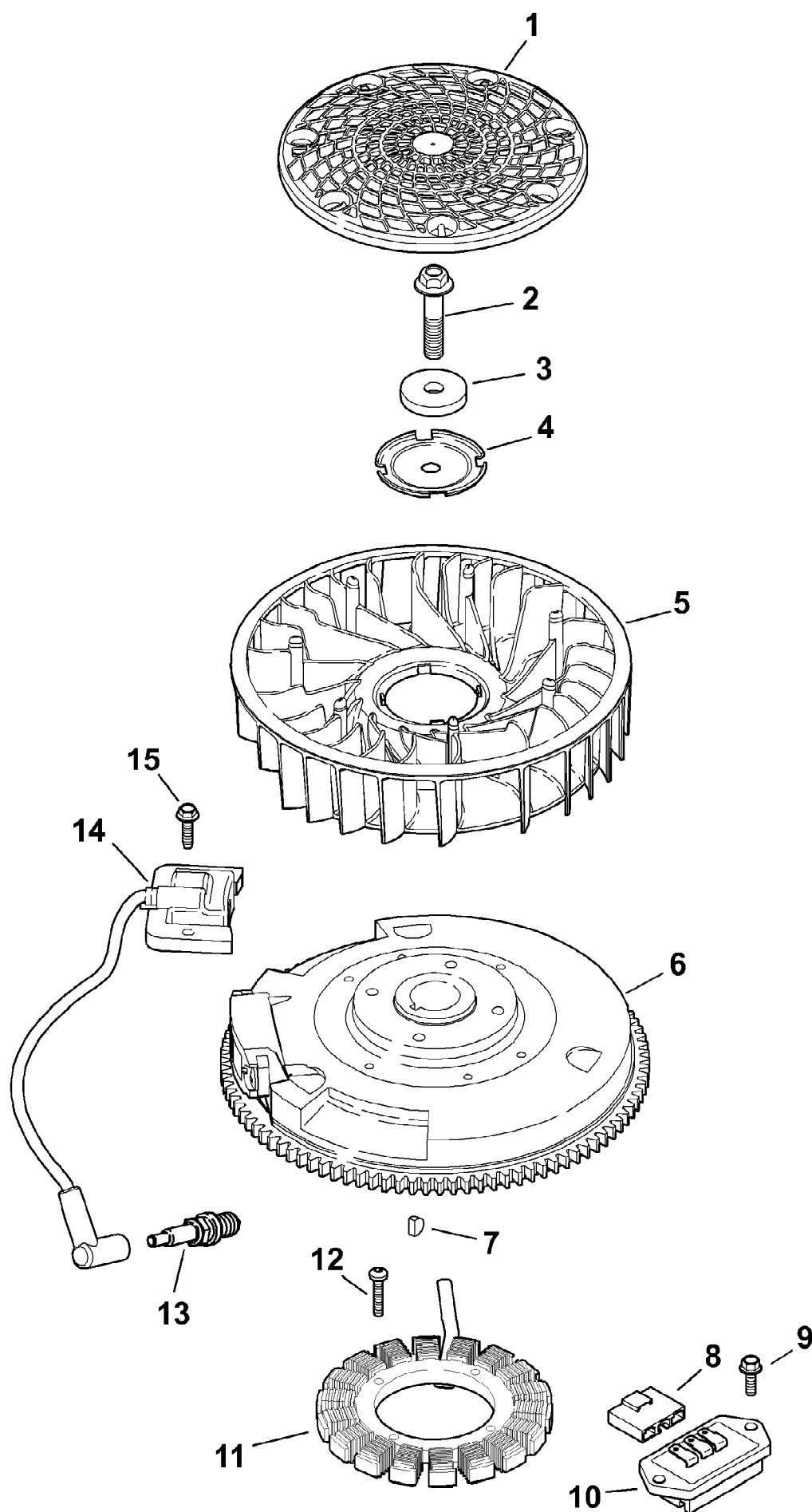
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Ref #	Part Number	Qty	S/P/F	Description
1	KH-24-755-141-S	1	/P	KIT, PLAIN ROCKER COVER (Includes Ref No. 2[Qty 1], 3[Qty 4])
2	KH-24-153-30-S	2	/P	O-RING, VALVE COVER
3	KH-M-651030-S	8		SCREW, FLG M6X1.0X30
4	KH-32-318-05-S	1	S	KIT, #1 CYLINDER HEAD ASSY (Includes Ref No. 26[Qty 4] & 24 841 03-S)
5	KH-12-755-03	4	/P	KIT, RETAINER
6	KH-12-173-01	4	/P	CAP, VALVE SPRING
7	KH-24-089-02	4	/P	SPRING, VALVE
8	KH-235011-S	4	/P	RETAINER, SPRING
9	KH-66-032-05-S	2	/P	SEAL, VALVE STEM
10	KH-24-017-01	2	/P	VALVE, INTAKE (STD)
11	KH-24-016-01	2	/P	VALVE, EXHAUST (STD)
12	KH-32-326-06-S	1		KIT, BREATHER HOSE (Includes Ref No. 13[Qty 1])
13	KH-25-237-14-S	5	/P	CLAMP, HOSE
14	KH-32-081-02-S	1		KIT, BREATHER HOUSING (Includes Ref No. 15,16)
15	KH-M-547050-S	1		NUT, LOCK M5X0.8
16	KH-32-468-01-S	1		WASHER, SEALING
17	KH-32-072-03-S	1		STUD, BREATHER COVER
18	KH-32-019-01-S	4	S	KIT,TAPPET
19	KH-32-411-04-S	4	/P	ROD, PUSH
20	KH-24-841-03-S	2	/P	KIT, CYLINDER HEAD GASKET (Includes Head Mounting Hardware & KH-24 041 49-S, KH-24 153 27-S)
21	KH-32-318-06-S	1	S	KIT, #2 CYLINDER HEAD ASSY (Includes Ref No. 26[Qty 4] & 24 841 03-S)
22	KH-32-186-03-S	4		ARM, ROCKER
23	KH-25-100-33-S	4		NUT, M10X0.75
24	KH-25-086-128-S	4	S	SCREW, SET
25	KH-25-599-01-S	4		PIVOT, ROCKER ARM
26	KH-12-086-16	8	S	SCREW, FLG M10X1.5X90
27	KH-32-072-04-S	4		STUD, ROCKER
28	KH-32-096-06-S	1		KIT, BREATHER VALVE COVER (Includes Ref No. 2[Qty 1])
29	KH-25-445-01-S	1	/P	STRAP, LIFTING
30	KH-M-645016-S	1	/P	SCREW, FLG THD FRM M6X1.0X16
31	KH-32-096-04-S	1		KIT, BREATHER COVER (Includes Ref No. 32)
32	KH-32-041-01-S	1		GASKET, BREATHER COVER
33	KH-32-050-01-S	1		FILTER, BREATHER
34	KH-32-146-08-S	2		PLATE, GUIDE SV820-0011
	KH-32-146-09-S	2		PLATE, GUIDE SV830-0011
	KH-24-041-49-S	1	/P	GASKET, EXHAUST
	KH-24-153-27-S	1	/P	O-RING, INTAKE PORT

Z-Force 48 Kohler 17AF3AGV
Engine Head Valve Breather

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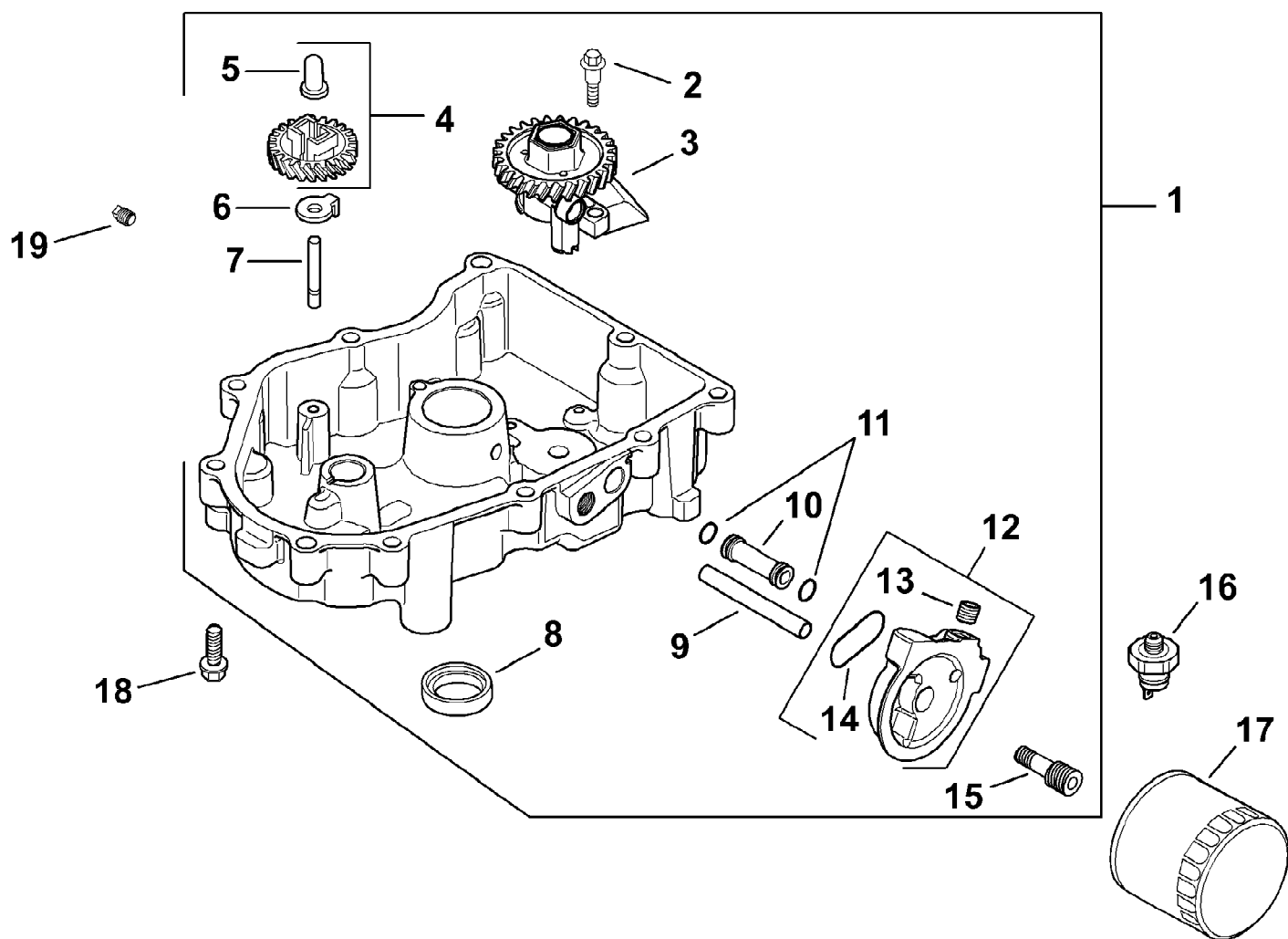
Ref #	Part Number	Qty	S/P/F	Description
	KH-32-755-03-S	2		KIT, CYLINDER HEAD HARDWARE (Not Shown)(Services 1 Head. Qtys Listed are for both heads)(Includes Ref No. 5-11, 19, 22, 25, 34)



Z-Force 48 Kohler 17AF3AGV
Engine Ignition & Electrical

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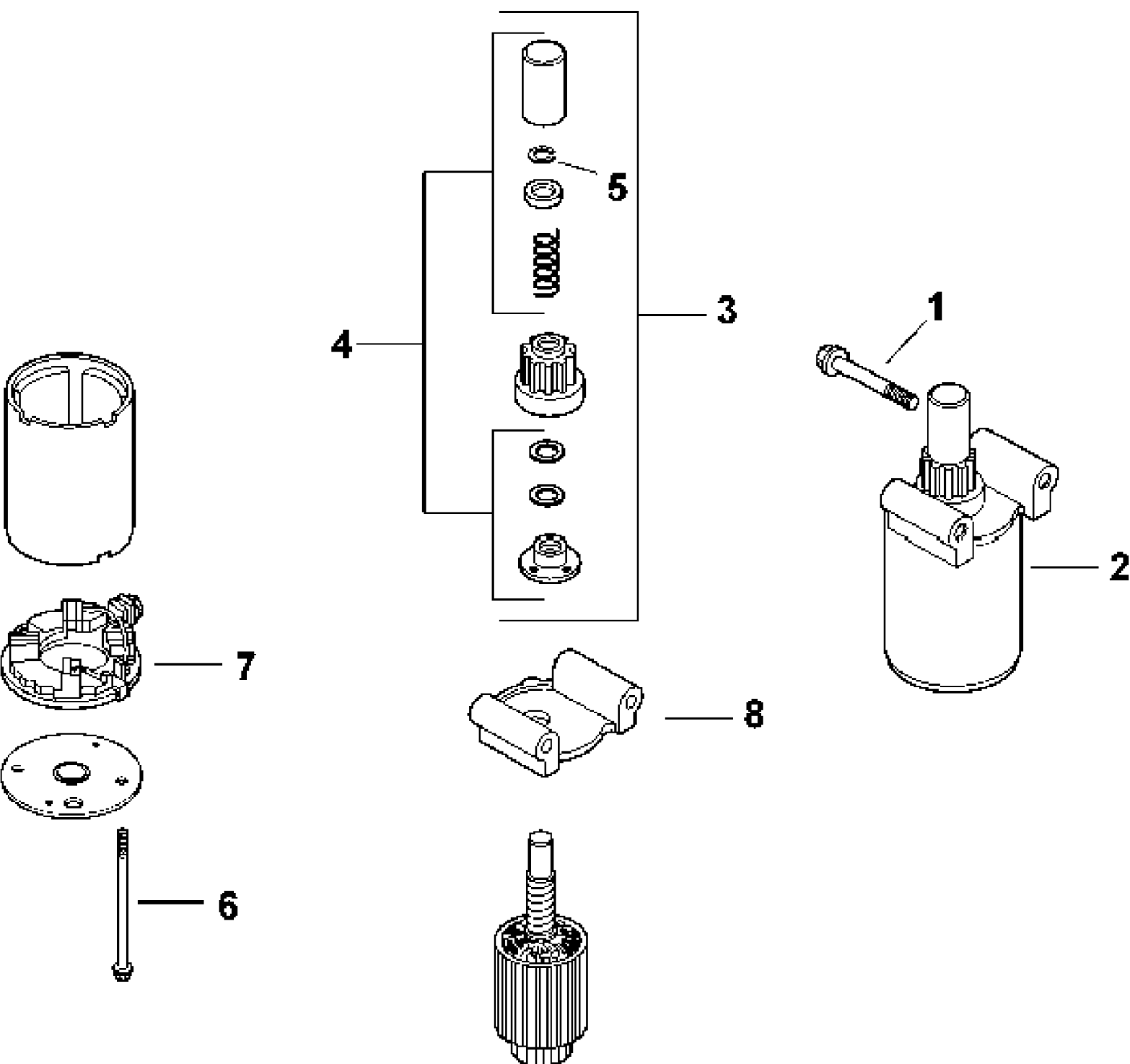
Ref #	Part Number	Qty	S/P/F	Description
1	KH-32-162-03-S	1		Screen, Grass
2	KH-12-086-14	1		Screw, FLG M10X1.5X45
3	KH-12-468-03	1	/P	Washer, Flat 13/32"
4	KH-20-146-05-S	1	/P	Plate, Fan Mounting
5	KH-32-157-01-S	1		Fan
6	KH-32-025-16-S	1	/P	Flywheel
7	KH-X-42-15	1	/P	Key, 3/16" x 5/8"
8	KH-236602-S	1	S	Connector (3 Contact)
9	KH-M-545016-S	2	/P	Screw, Hvy Flg M5 x 0.8 x 16
10	KH-41-403-10-S	1	/P	Rectifier-Regulator
11	KH-237878	1	/P	Kit, 15 Amp Stator (Includes KH-25 452 01-S)
12	KH-20-086-22-S	2	S	Screw, TRX HD Drive Fastener
13	KH-25-132-12-S	2	/P	Plug, Spark
14	KH-24-584-45-S	2	/P	Module, Ignition (CDI Fixed)
15	KH-M-545020-S	4		Screw, FLG THD FRM M5 x 0.8 x 20
	KH-25-454-03-S	2		Tie, Wire
	KH-32-176-16-S	1	S	Harness, Wiring
	KH-25-452-01-S	2		Terminal



Z-Force 48 Kohler 17AF3AGV
Engine Oil Pan & Lubrication

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-32-199-04-S	1	S	Pan, Oil Assembly (Includes Ref No. 2-16)
2	KH-32-086-01-S	2		Screw, SHD THD FRM M6 x 1.0 x 26.5
3	KH-32-393-10-S	1	/P	Pump Assembly, Oil
4	KH-24-043-12	1	/P	Kit, Governor Gear w/ Pin (Includes Ref No. 5)
5	KH-12-380-01	1	/P	Pin, Governor Regulating
6	KH-24-448-02-S	1		Tab, Locking
7	KH-12-144-02	1		Shaft, Governor Gear
8	KH-25-032-06-S	1	/P	Seal, Oil
9	KH-32-123-01-S	1		Tube, Oil Feed-Filter to Pan
10	KH-32-123-03-S	1		Tube, Oil Feed-Pan to Filter
11	KH-24-153-01	2	/P	O-Ring, Oil Pick-Up
12	KH-32-029-16-S	1	/P	Kit, Adaptor Oil Filter (Includes Ref No. 13 & 14)
13	KH-25-139-60-S	1	/P	Plug, CTSK 1/8"
14	KH-32-153-04-S	1		O-Ring, Oil Filter Adaptor
15	KH-32-136-03-S	1		Nipple, Oil Filter
16	KH-25-099-27-S	1	/P	Switch, Oil Pressure
17	KH-25-050-34-S	1	/P	Filter, Oil
18	KH-24-086-17-S	10	/P	Screw, Flg M8 x 1.25 x 45
19	KH-25-139-57-S	1	/P	Plug, Sq Hd Pipe 3/8"



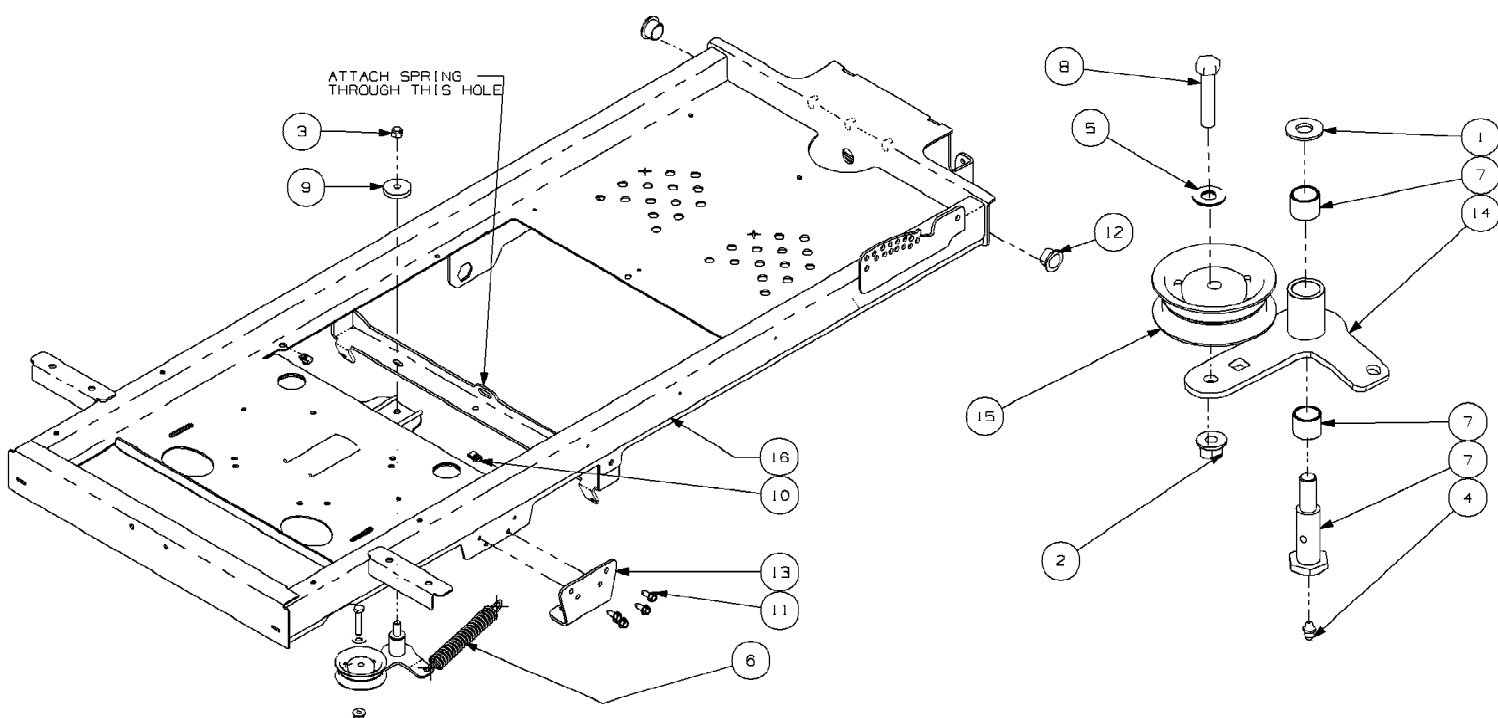
Z-Force 48 Kohler 17AF3AGV
Engine Starting System

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-M-839080	2	S	Screw, FLG M8 x 1.25 x 80
2	KH-32-098-01-S	1	S	Starter Assembly
3	KH-12-755-39-S	1		Kit, Drive
4	KH-12-755-38-S	1		Kit, Drive Parts (Includes Ref No. 5)
5	KH-32-141-01-S	1		Ring, Retaining
6	KH-32-211-01-S	2		Bolt, Thru
7	KH-12-243-04-S	1		Commutator, End Cap
8	KH-32-227-01-S	1		Cap, Drive End

Z-Force 48 Kohler 17AF3AGV
Frame Assembly

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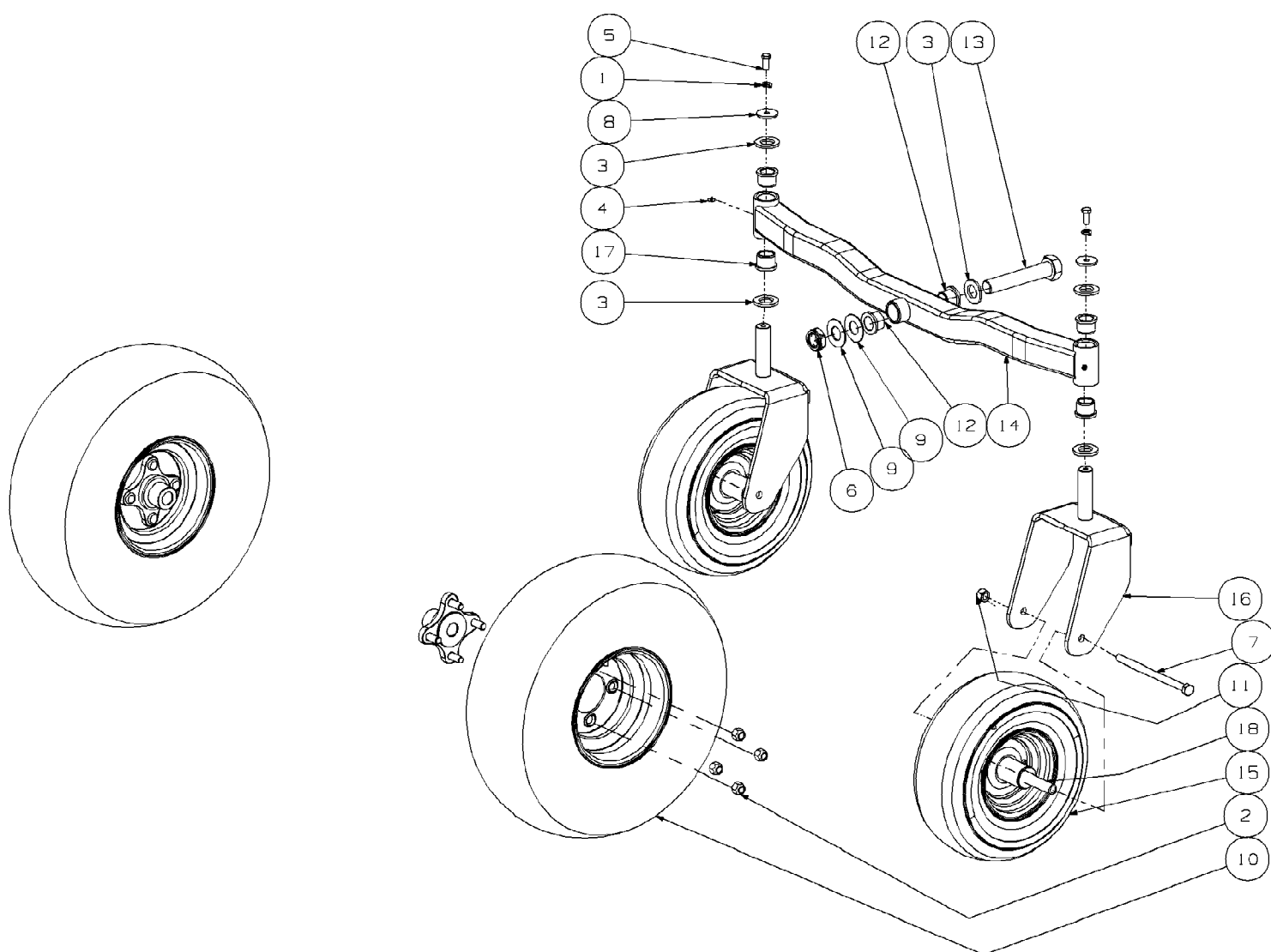
Z-Force 48 Kohler 17AF3AGV
Frame Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	00006168	1		Flat Washer, 3/8 zinc
2	00022560	1		Hex Nut, 3/8-16 Flange Lock
3	00027279	1	S	Nylock Nut, 7/16-14
4	00060078	1	/P	Grease Fitting, 1/4-28 x 3/16
5	00061053	1		Washer, 3/8, SS
6	01000199	1		Extension Spring, 1.00 OD x 5.00 lg
7	01000505	1	S	Shoulder Bolt
8	710-0347	1	/P	Hex Cap Screw, 3/8-16 x 1-3/4
9	01003269	1		Flat Washer, 7/16 ID x 1.75 OD
10	01008539	2	S	U-Nut, 1/4-20
11	710-04484	8		Self Tapping Screw 5/16-18 x .750 replaces 01008620
12	02002628	2		Bronze Bushing, .875 ID x 1.50 OD
13	02002641	2	S	Transmission Mounting Bracket
14	02003641	1		Idler Arm Assembly includes:
14	01000308	2		Bearing Sleeve not shown
15	02004558	1	/P	Flat Idler Pully
16	02004865	1	S	Frame Assembly Weldment

Z-Force 48 Kohler 17AF3AGV
Front Caster & Tire Assembly

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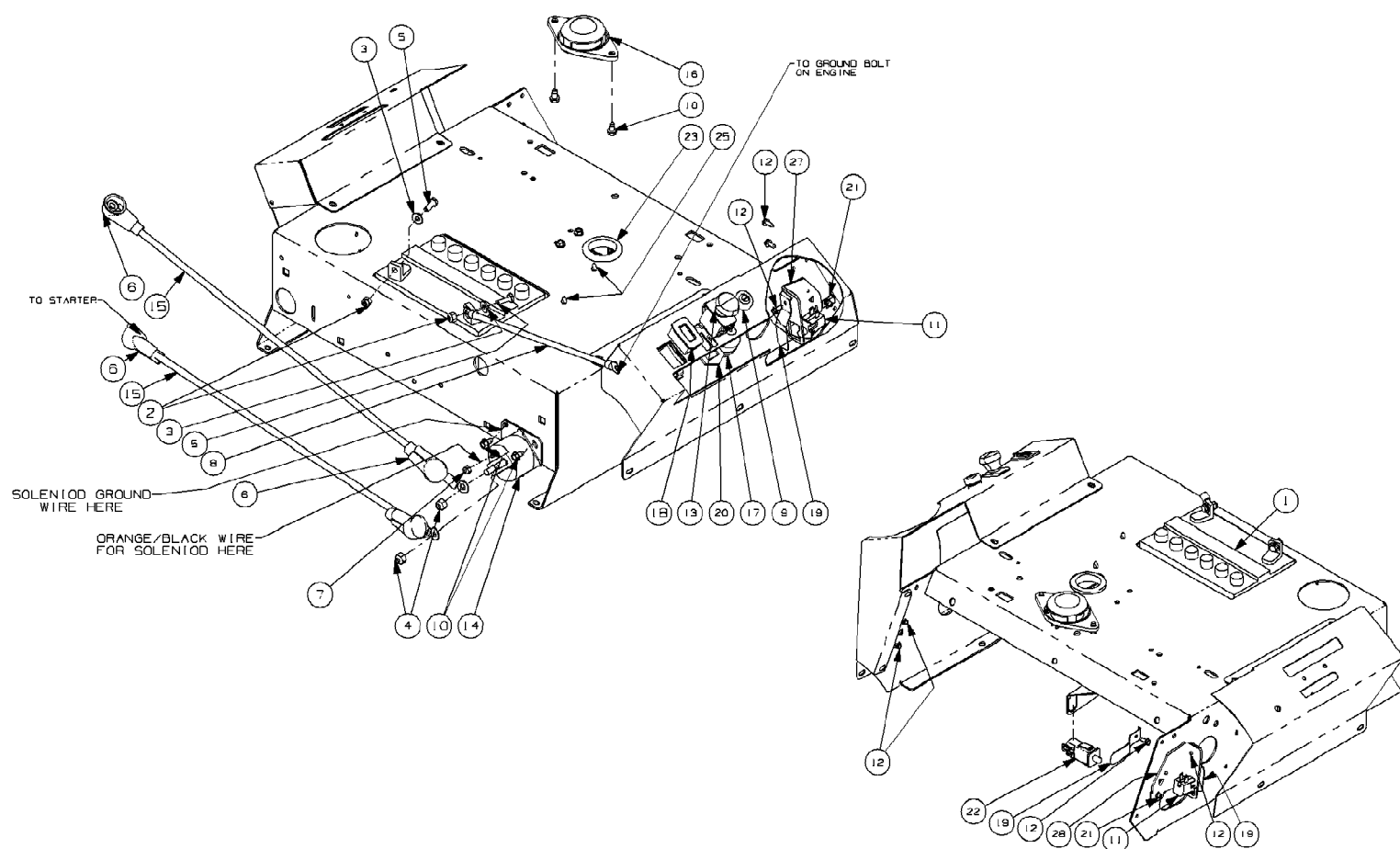
Z-Force 48 Kohler 17AF3AGV
Front Caster & Tire Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	736-0169	2	S	Lock Washer, 3/8 Zinc
2	00012187	8		Lug Nut, 1/2-20
3	00023822	5		Washer Special
4	00060078	2	/P	Grease Fitting, 1/4-28 x 3/16
5	01000368	2	S	Hex Cap Screw, 3/8-16 x .88
6	01000678	1	S	Nut Jam, 1.0-14, Nylon Insert
7	01006961	2		Hex Cap Screw, 1/2-20 x 7.50
8	01009253	2		Washer, 5/16-18
9	02000588	2		Flat Washer, 1.00 ID x 2.25 OD x .075
10	634-04495	2		Wheel Assembly 20 x 8 - 10
11	02002299	2		Nut, 1/2-20, Lock
12	02003599	2	S	Flange Bearing, 1.001 ID
13	02003804	1		Hex Cap Screw, 1-14 x 5.5
14	02004600	1	S	Front Axle Assembly
15	02004999	2		Wheel Assembly 13 x 5 - 6
16	02005001	2	S	Castor Wheel Mounting Bracket
17	731-0374	4	S	Flange Bearing, 1.0 ID
18	750-04775A	2	/P	Spacer, .51 ID x .75 OD x 5.825

Z-Force 48 Kohler 17AF3AGV
Kohler Electrical Assembly

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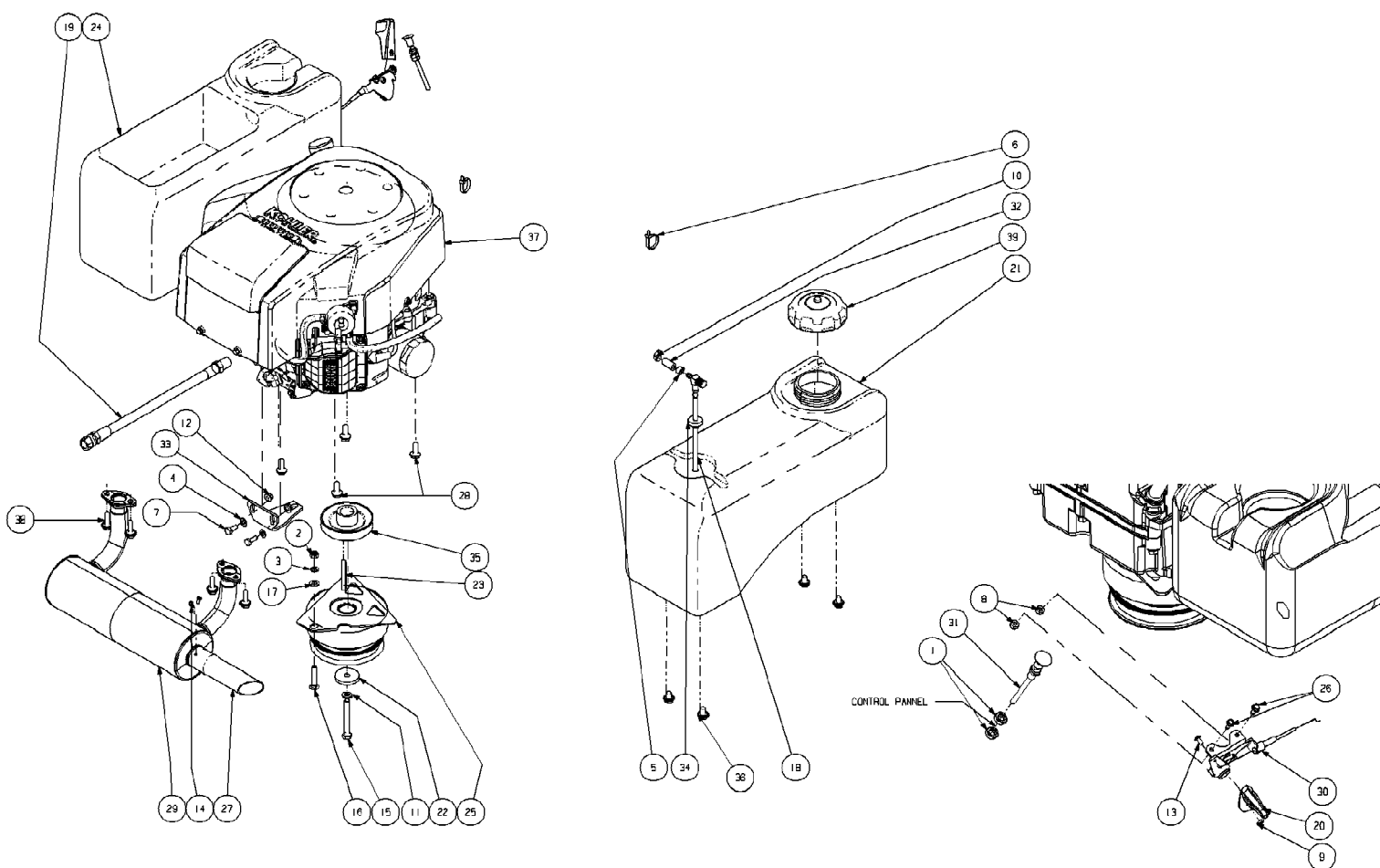
Z-Force 48 Kohler 17AF3AGV
Kohler Electrical Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	925-1707D	1	/P	Battery, 12V 225CCA 30Min
2	00012152	2		Lock Nut, Nylon Insert, 1/4-20
3	00012154	2		Flat Washer, 1/4
4	712-0429	4	S	Nut, 5/16-18, Nylock replaces 00012165
5	710-3015	2	/P	Hex Cap Screw, 1/4-20 x .75 replaces 00013131
6	00013258	4		Boot, 1" OD Rubber Battery-PST Red
7	00014608	1	/P	Lock Nut, Nylon Insert, 10 - 32
8	00024233	1		Cable, Battery, Black, 17"
9	00032097	1		Nut, 5/8-32, w/Cap
10	01000628	4	S	Self Tapping Screw, 1/4-20 x 1/2
11	01001717	2		Normally Closed Safety Switch
12	01001864	7		Self Tapping Screw, 10-32 x 1/2
13	01002111	1		Electric PTO Switch
14	01002228	1		Solenoid Magnetic Switch
15	01002252	2		Cable, Battery, Red, 24"
16	01003277	1		Normally Closed Seat Switch
17	01003581P	1	/P	Switch, Ignition, 6 Pin
17	725-1341B	1	/P	Key, Ignition not shown
18	01007597	1	S	Hour Meter includes:
18	02004259	1		Clip not shown
19	01008042	3	S	Safety Switch Retainer Spring
20	01009905	1		PTO Switch Bracket
21	01009931	2		U-nut, 10-24
22	02000024	1	S	Switch, Safety N.O./N.C.
23	02001134	1		Gromment, 1.5 ID x 2.13 OD
25	02003037	2		Electrical Conduit Clip, 1/2
27	02003926	1		Bracket, Safety Switch, Right Hand
28	02003927	1		Bracket, Safety Switch, Left Hand
	02005213	1		Harness Assembly, adaptor Kohler not shown
	02002990	1		Harness Assembly not shown

Z-Force 48 Kohler 17AF3AGV
Kohler Engine Assembly 23HP

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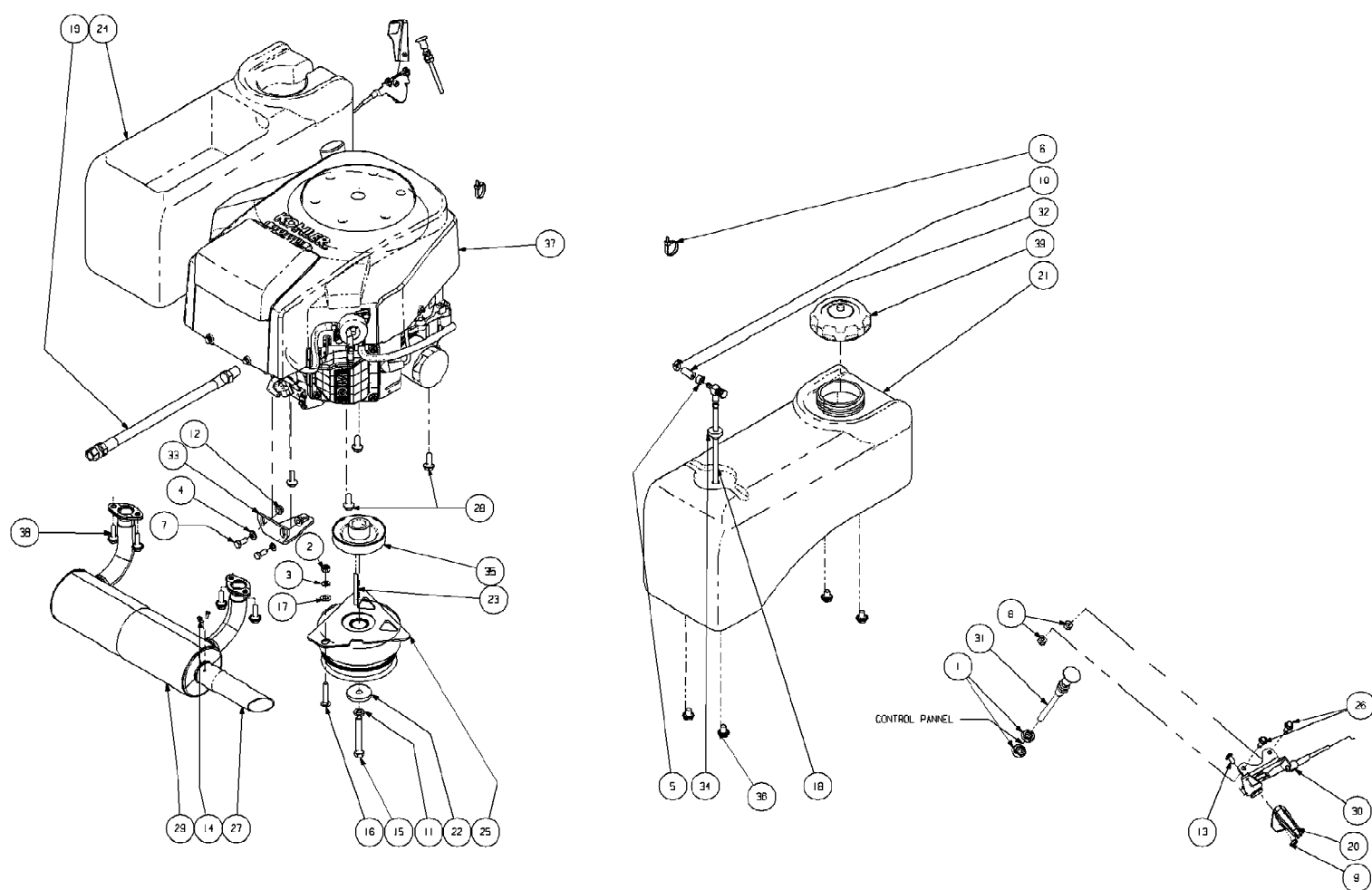
Z-Force 48 Kohler 17AF3AGV
Kohler Engine Assembly 23HP

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Ref #	Part Number	Qty	S/P/F	Description
1	00011453	2		Hex Jam Nut, 3/8-24
2	712-3007	1	/P	Hex Nut, 5/16-18 replaces 00012166
3	736-0119	1	S	Lock Washer, 5/16
4	00012169	2		Flat Washer, 5/16
5	00012235	1		Clamp, Union
6	00012470	2	S	Cable Tie, 3/16 x .05 x 7.4
7	710-3008	2	/P	Hex Cap Screw, 5/16-18 x .75
8	00014608	2	/P	Lock Nut, Nylon Insert, 10-32
9	00060056	1		Nut, w/ Star Washer
10	01000215	1		Hose Clamp, 1/4-5/8, SS
11	736-0171	1	S	Lock Washer, 7/16
12	01000635	2	S	Lock Nut, Hex Flange, 5/16-18
13	01000721	1	S	Machine Screw, 8-32 x .375
14	01000811	2	S	Screw, 8-32 x .375, Hex Washer
15	01000813	1	S	Hex Cap Screw, 7/16-20 x 3.0
16	01000956	1	S	Carriage Bolt, 5/16-18 x 1.75
17	01002710	1		Washer, 3/8 x .738 x .063
18	01003116	1		Fuel Pickup Fitting
19	01003283	1		Oil Drain Extension Hose
20	731-04914	1	/P	Throttle Control Knob
21	01004350	1		Fuel Tank
22	01005314	1	S	Flat Washer, 7/16 ID x 1.75 OD x .250
23	01007533	1		Key, 1/4 x 1/4 x 2.75
24	01008138	1	S	Utility Bin
25	01008434	1	S	Ogura DX11 Electric Clutch
26	01008531	2	S	Screw, #10-32 x 0.500
27	01008623	1		Exhaust Pipe
28	01009243	4		Self Tapping Screw, 3/8-16 x 0.875
29	02000456	1		Kohler Muffler
30	02000477	1		Throttle Control Cable
31	02000478	1		Choke Cable
32		1		Hose, 1/4" Fuel Line purchase locally
33	703-07213	1		Clutch Retainer Assembly Replaces 02001992
34	02002253	1	/P	Fuel Tank Groment
35	02003417	1	/P	Transmission Drive Pulley
36	02005013	8		Hex Head Cap Screw, 3/8-16 x 1.00, Flange Whiz
37	02005087	1	S	23HP Kohler Engine
38	02005299	4		Hex Head Cap Screw, 5/16-18 x 1.00, Flange Whiz
39	751-3124D	1	S	Fuel Cap

Z-Force 48 Kohler 17AF3AGV
Kohler Engine Assembly 25HP

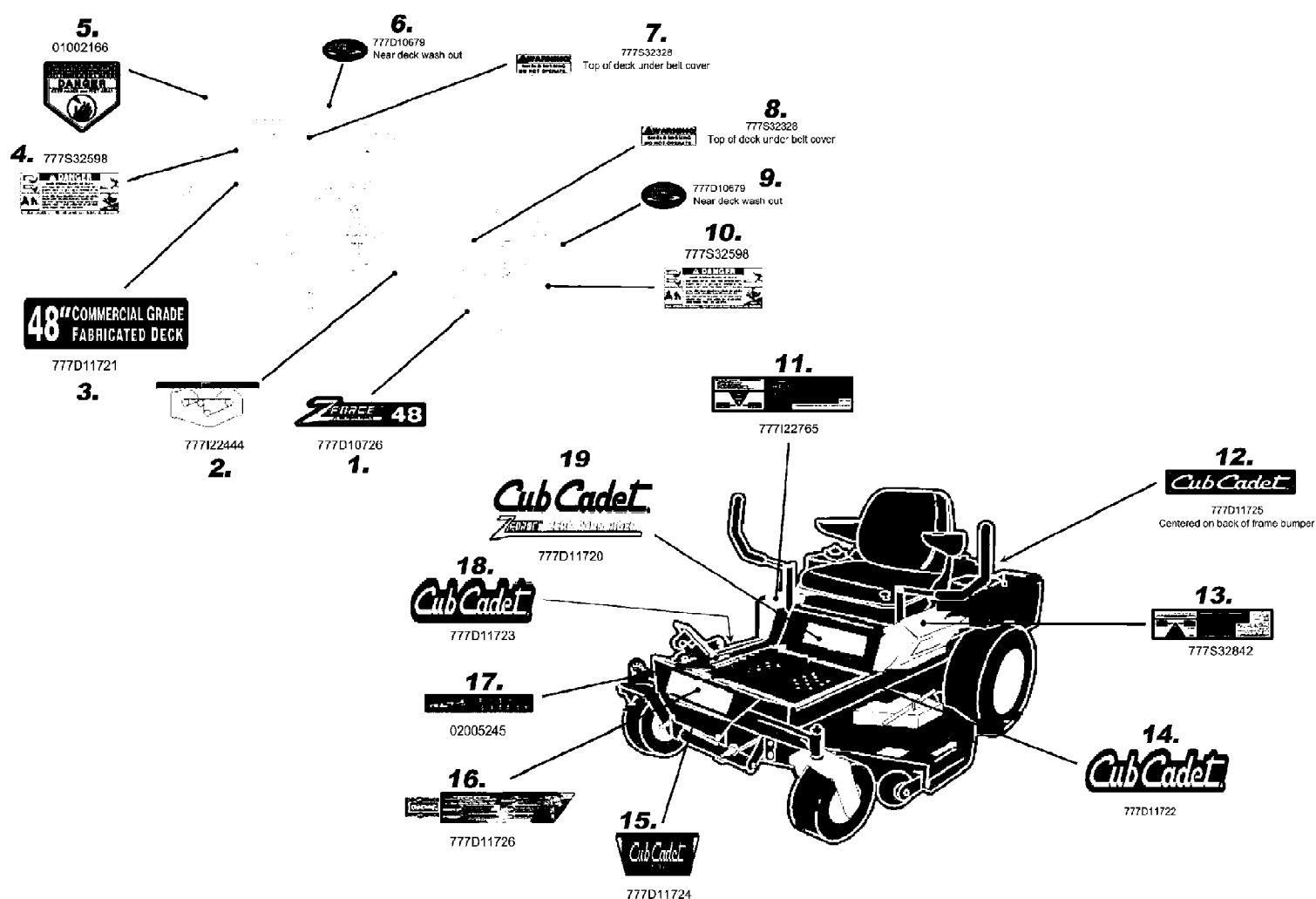
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Z-Force 48 Kohler 17AF3AGV
Kohler Engine Assembly 25HP

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Ref #	Part Number	Qty	S/P/F	Description
1	00011453	2		Hex Jam Nut, 3/8-24
2	712-3007	1	/P	Hex Nut, 5/16-18
3	736-0119	1	S	Lock Washer, 5/16
4	00012169	2		Flat Washer, 5/16
5	00012235	1		Clamp, Union
6	00012470	2	S	Cable Tie, 3/16 x .05 x 7.4
7	710-3008	2	/P	Hex Cap Screw, 5/16-18 x .75
8	00014608	2	/P	Lock Nut, Nylon Insert, 10-32
9	00060056	1		Nut, w/ Star Washer
10	01000215	1		Hose Clamp, 1/4-5/8, SS
11	736-0171	1	S	Lock Washer, 7/16
12	01000635	2	S	Lock Nut, Hex Flange, 5/16-18
13	01000721	1	S	Machine Screw, 8-32 x .375
14	01000811	2	S	Screw, 8-32 x .375, Hex Washer
15	01000813	1	S	Hex Cap Screw, 7/16-20 x 3.0
16	01000956	1	S	Carriage Bolt, 5/16-18 x 1.75
17	01002710	1		Washer, 3/8 x .738 x .063
18	01003116	1		Fuel Pickup Fitting
19	01003283	1		Oil Drain Extension Hose
20	731-04914	1	/P	Throttle Control Knob
21	01004350	1		Fuel Tank
22	01005314	1	S	Flat Washer, 7/16 ID x 1.75 OD x .250
23	01007533	1		Key, 1/4 x 1/4 x 2.75
24	01008138	1	S	Utility Bin
25	01008434	1	S	Ogura DX11 Electric Clutch
26	01008531	2	S	Screw, #10-32 x 0.500
27	01008623	1		Exhaust Pipe
28	01009243	4		Self Tapping Screw, 3/8-16 x 0.875
29	02000456	1		Kohler Muffler
30	02000477	1		Throttle Control Cable
31	02000478	1		Choke Cable
32		1		Hose, 1/4" Fuel Line Purchase locally
33	02001992	1	S	Clutch Retainer Assembly
34	02002253	1	/P	Fuel Tank Groment
35	02003417	1	/P	Transmission Drive Pulley
36	02005013	8		Hex Head Cap Screw, 3/8-16 x 1.00, Flange Whiz
37	752KSV8311	1		25HP Kohler Engine
38	02005299	4		Hex Head Cap Screw, 5/16-18 x 1.00, Flange Whiz
39	751-3124D	1	S	Fuel Cap



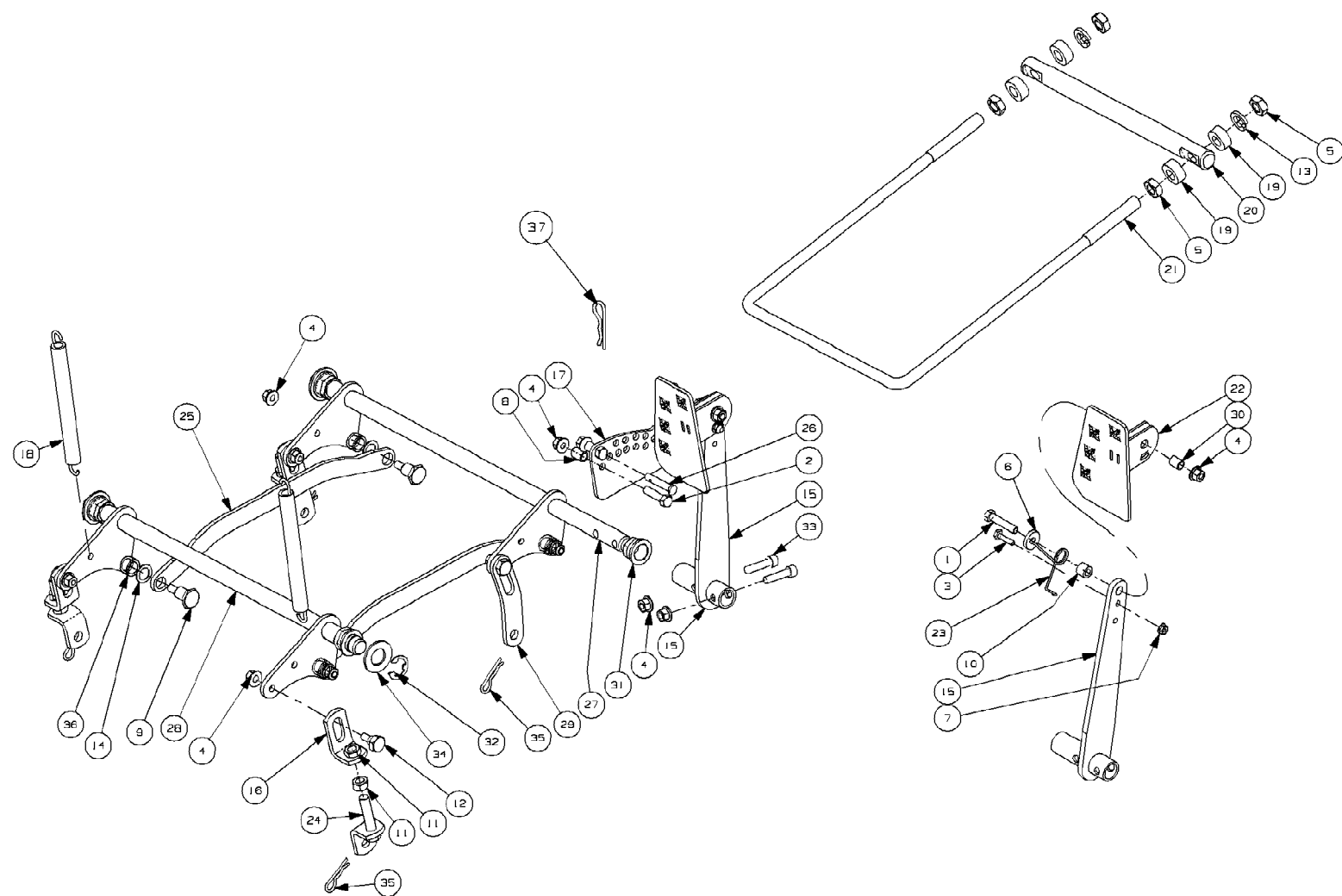
Z-Force 48 Kohler 17AF3AGV
Label Map

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Ref #	Part Number	Qty	S/P/F	Description
1	777D10726	1		LABEL - FRONT Z-FORCE 48
2	777I22444	1		DECAL - 50' DECK BELT RT Z-FORCE
3	777D11721	1		LABEL - 48" FAB Z FORCE
4	777S32598	1		LABEL - RZT DECK WARNG STRAIGHT
5	01002166	1		LABEL - HANDS & FEET WALKBEHINDS
6	777D10679	1		LABEL - DECK WASH
7	777S32328	1	/P	DECAL - WARNING 50' DECK Z-FORCE
8	777S32328	1	/P	DECAL - WARNING 50' DECK Z-FORCE
9	777D10679	1		LABEL - DECK WASH
10	777S32598	1		LABEL - RZT DECK WARNG STRAIGHT
11	777I22765	1		LABEL - CONTROL
12	777D11725	1		LABEL - FRAME REARZ FORCE
13	777S32842	1		LABEL - SAFETY Z FORCE
14	777D11722	1		LABEL - SIDE FRAMELOGO Z FORCE
15	777D11724	1		LABEL - FRAME
16	777D11726	1		LABEL - Z FORCE
17	02005245	1		LABEL - DECK HEIGHT ADJ
18	777D11723	1		LABEL - Z FORCE
19	777D11720	1		LABEL - Z-FORCE BELOW SEAT

Z-Force 48 Kohler 17AF3AGV
Lift Assembly

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Z-Force 48 Kohler 17AF3AGV
Lift Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	00008495	1		Capscrew, 3/8-16 x 1-3/4
2	00011438	3		Hex Cap Screw, 3/8-16 x 1-1/2
3	00013416	1		Hex Cap Screw, 1/4-20 x 1.00
4	00022560	14		Nut, 3/8-16, Hex Flange Lock
5	712-3015	4	S	Jam Nut, 5/8-11 replaces 00035632
6	00083192	1		Idler Washer
7	01002766	1	S	Nut, 1/4-20, Hex Flange Lock Nut
8	01003468	3		Spacer, .375 x .50 x .75 Lg
9	01003536	4		Shoulder Screw, 0.625 OD x .830 Lg.
10	01007312	1		Spacer, .625 OD x .385 ID x 1/2
11	01008658	6		Jam Nut, 1/2-20
12	02000393	4		Shoulder Screw, 3/8-16, .56 x .27
13	02000671	2		Lock Washer, 5/8
14	02001891	4		Washer, 1.00 OD x .625 ID x .048
15	02002374	1	/P	Foot Lift Pivot Assembly
16	02002382	3		Deck Lift Bracket
17	02004694	1	S	Index Plate
18	02002629	2		Extension Spring, 8.246 x .75 x .135
19	02003751	4		Spacer, .635 ID x 1.188 OD x .406
20	02004227	1		Trail Link Pivot Rod
21	02002879	1		Front Lift Rod
22	02002880	1	S	Foot Pedal Assembly
23	02002882	1		Foot Lift Torsion Spring
24	02002890	3		Lower Lift Bracket Assembly
25	02002893	2		Lift Link
26	02002907	1		Clevis Pin, .375 x 1.89 x 2.125
27	02002915	1		Front Shaft Assembly
28	02002916	1		Rear Shaft Assembly
29	02002979	1		Link Plate
30	02003436	1		Spacer, .380 ID x .500 OD x .605
31	02003685	4		Hex Flange Bearing, .875 ID
32	02003716	3		E Clip, .875 Dia.
33	02003717	2		Sockethead Capscrew, 3/8-16 x 1.50
34	02003720	3		Flat Washer, .94 x 1.75 x .11
35	02000673	4		Hair Pin
36	02005334	4		Spacer, .628 ID x .875 OD x .500
37	00021956	1		Hair Pin



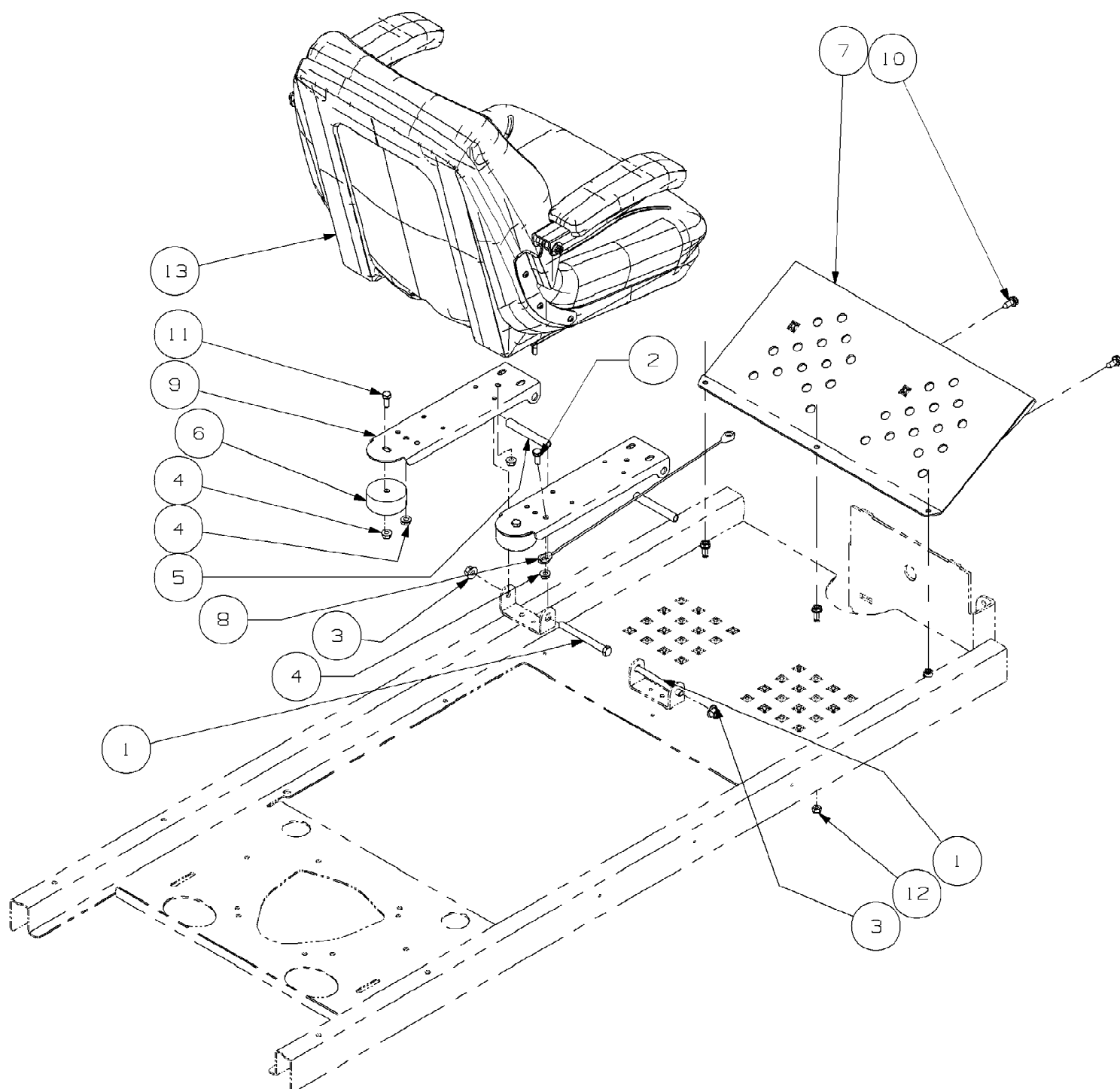
Z-Force 48 Kohler 17AF3AGV
Quick Reference

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Ref #	Part Number	Qty	S/P/F	Description
	KH-25-132-12-S	1	/P	Spark Plug
	N/A	1		Air Filter & Pre-Cleaner
	KH-32-083-08-S	1	/P	Pre Filter
	KH-32-083-06-S	1	/P	Air Filter
	KH-25-050-34-S	1	/P	Oil Filter
	KH-24-050-13-S	1	/P	Fuel Filter
	KH-24-584-45-S	1	/P	Ignition Module
	KH-41-403-10-S	1	/P	Voltage Regulator
	KH-24-393-16	1	/P	Fuel Pump
	N/A	1		Carb Kit
	N/A	1		Carburetor Solenoid
	02002648	1		Drive Belt (Trans)
	01009787	1		P.T.O. Belt
	02000154	1		Deck Belt
	02005017	1	/P	Blades (Out Side)
		1		Blade (Center)
	712-3078	1	/P	Blade Nut
	918-04426	1	/P	Spindle Housing Assy. (Includes Bearings, Seals & Spacers)
	02000071	1		Spindle Bolt (Center)
	02000819	1		Spindle Bolt (Outside)
	634-3159	1	/P	Deck Wheels
	731-3005	1	/P	Roller (Front & or Back)
	731-3005	1	/P	Roller (Back)
	921-04041	1	/P	Water Nozzle Adapter
	951-3124D	1	S	Fuel Cap
	01003581P	1	/P	Ignition Switch Module
	01003277	1		Seat Switch
	02000024P	1	/P	Brake Switch
	01001717	1		Reverse Switch
	01002111	1		P.T.O. Switch
	01008434P	1	/P	P.T.O. Clutch

Z-Force 48 Kohler 17AF3AGV
Seat Assembly

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Z-Force 48 Kohler 17AF3AGV
Seat Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	00011925	2		Hex Cap Screw, 3/8-16, 4.00
2	00013406	1		Hex Cap Screw, 5/16-18 x 3/4
3	00022560	2		Flange Lock Hex Nut, 3/8-16
4	01000635	6	S	Nut, 5/16-18, Hex Flange Lock
5	01009872	2		Spacer, .370 ID x .500 OD x 3.45
6	02002952	2		Bumper, 2.50 OD x 1.13 Long
7	02002960	1	S	Foot Rest Bracket
8	02004062	1	S	Lift Cable
9	703-06691	2		Seat Mounting Bracket
10	710-04484	5		Self Tapping Screw 5/16-18 x .750 replaces 01008620
11	710-3008	2	/P	Hex Cap Screw, 5/16-18 x .75 replaces 00013406
12	712-0429	3	S	Nylock Nut, 5/16-18 replaces 00012165
13	757-04070	1	/P	Seat
13	02002255	1		Armrest Kit not shown
13	710-3256	6	/P	Screw, Button Head 1/4-20 x .50 not shown

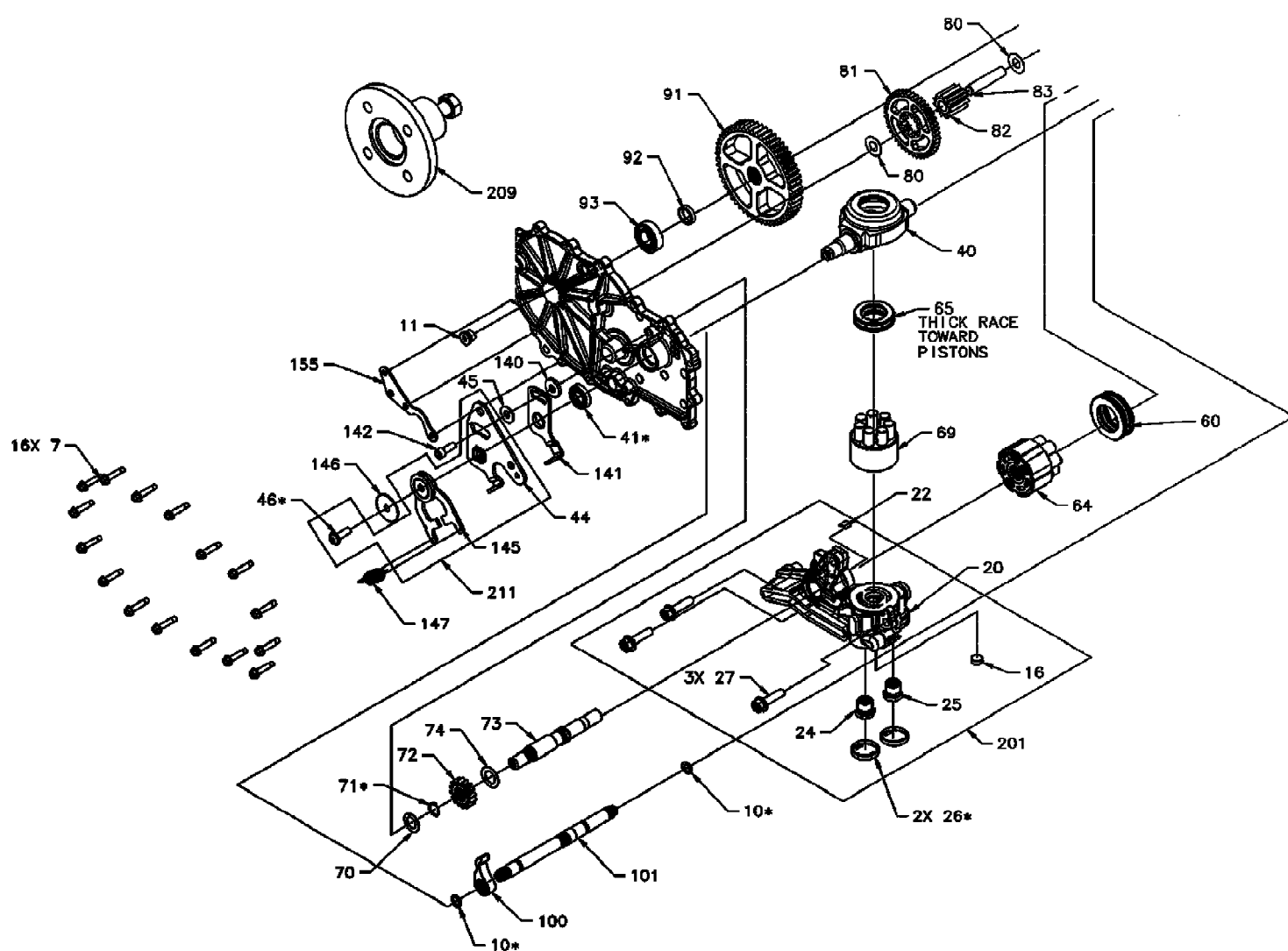
Z-Force 48 Kohler 17AF3AGV
Steering Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	00011438	1		Hex Cap Screw, 3/8-16 x 1-1/2
2	00012169	4		Flat Washer, 5/16
3	00012180	2		Hex Head Cap Screw, 5/16-18 x 1.00
4	00013116	2		HHCS, 5/16-18 x 1-1/4
5	00013198	2		Hex Cap Screw, 5/16-18 x 2.00
6	00022560	1		Nut, Flange Lock, 3/8-16
7	01000600	2	S	Flat Washer, 1.4 x .630 x .0515
8	01000635	10	S	Nut, 5/16-18, Lock
9	01001919	2		Shoulder Screw, 1/4-28
10	01002766	5	S	Nut, 1/4-20, Hex Flange Lock Nut
11	01006898	4		Hex Cap Screw, 1/4-20 x 2.00
12	02002684	1		Brake Lever Plate
13	02002723	2		Steering Input Shaft Assembly
14	02002844	1		Spacer, .385 ID x .625 OD x .869
15	02002885	3		Spacer, .380 x .563 x .196
16	02002992	2		Steering Link Rod
17	02002994	2		Socket Head Capscrew, 5/16-18 x 1.25
18	02003419	6		Bushing, .310 x .172 x .688 x .06
19	02003560	2		Control Lock Rod
20	02003568	1		Control Cable Lock Out
21	02003644	4		Spacer, .25 ID x .38 OD x 1.13
22	02003716	2		Retainer Ring, E-Clip
23	02003853	2	S	Lapbar Pivot Bracket
24	02003855	2	/P	Lapbar Assembly includes:
24	02002662	1		Grip, 1.0 Not shown
25	680-00050	2	S	Pivot Bracket Weldment
26	710-0262	4	/P	Carriage Bolt, 5/16-18 x 1.50
27	712-0429	2	S	Nylock Nut, 5/16-18 replaces 00012165
28	732-04610	1		Extension Spring, .544 OD x 3.35
29	736-0287	4	S	Flat Washer, .793 ID x 1.24 OD x .060
30	741-0598	4	S	Hex Flange Bearing, .752 ID

Z-Force 48 Kohler 17AF3AGV
Transmission LH-1

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Z-Force 48 Kohler 17AF3AGV
Transmission LH-1

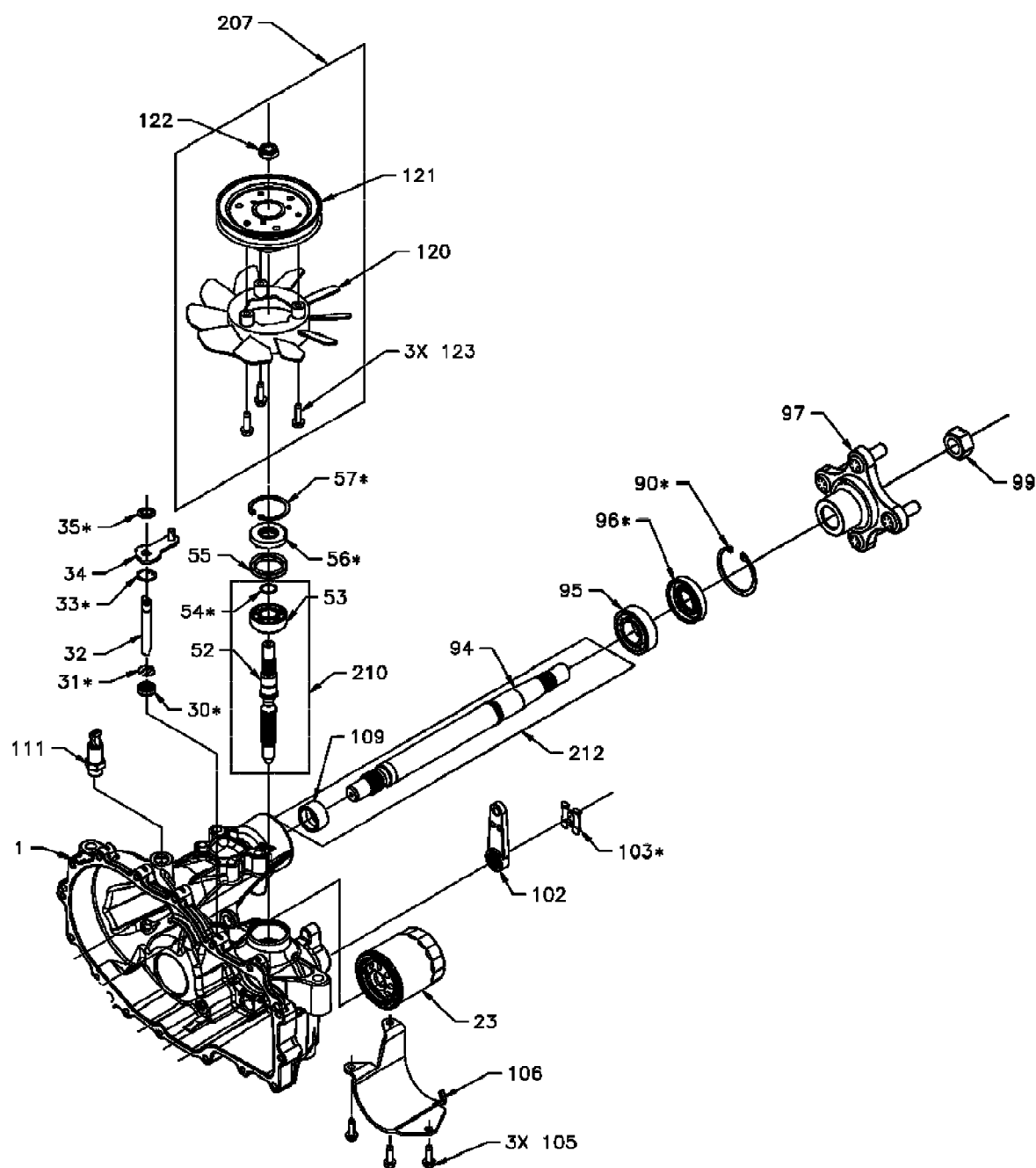
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Ref #	Part Number	Qty	S/P/F	Description
1	HG-71424	1		Kit, Housing, Main, LH includes: Housing, Main; LH, Bushing .624x.719x.562; BRG, JRNL .86x.98x.79; Pin .25x.375
2	HG-71573	1		Kit, Cover, Side, LH, CNTL includes: Cover, Side, LH, CNTL; Bushing .624x.719x.562; BRG, JNL .86x.98x.79
7	HG-51190	16	/P	HFHCS 1/4-20x1.25
10	HG-51804	2		D-Ring - 111 .103x.424
11	HG-9005110-5600	1	/P	Plug 9/16-18 (Metal)
13	HG-50928	1	/P	Sealant 10.1 OZ
14	737-3120	1	/P	FLUID-DRIVE SYSTEM, quart 70.3 OZ
16		1		Plug, Rubber
20		1		Center Section, LH
22	HG-51448	1		Plate, Bypass
23	HG-52114	1	/P	Filter, Oil
24		1		Shock Valve
25		1		Shock Valve
26	HG-52162	2		Seal, Plug 1.250x.250
27	HG-52137	3		HFHCS 3/8-16x1.5 (Patch)
30	HG-51626	1		Seal, Lip .375x.75x.25
31	HG-51628	1	/P	Ring, Ret .375 External
32	HG-52136	1		Rod, Bypass
33	HG-51627	1		Ring, Ret .750 Internal
34	HG-52370	1		Arm, Bypass
35	HG-51630	1	/P	Ring, Rtnng .375 EXT
40	HG-51048	1	/P	Trunnion, Swashplate
41	HG-51140	1	/P	Seal, Lip 18x32x7
44		1		Arm, Control RH
45	HG-44130	1	S	Washer .34x.88x.06
46	HG-51812	1	/P	TWHCS 5/16-24x1.00 (Patch)
52	HG-51062	1	/P	Shaft, Input
53	HG-50315	1		BRG, Ball 17x40x12 Open 6203
54	HG-2000022	1	/P	Ring, Ret Wire .561 ID
55	HG-50951	1	/P	Washer 1.23x1.56x.04
56	HG-51161	1	/P	Seal, Lip 17x40x7
57	HG-50329	1	/P	Ring, Ret 2.06 INT
60	HG-51462	1		Bearing, Thrust
64	HG-71579	1		Ass'y, Cylinder Block, 16cc
65	HG-50551	1	S	BRG, Thrust Ball 30x52x13
69	HG-70723	1	/P	Ass'y, Block 7 Piston
70	HG-44371	1	/P	Washer .63x1.0x.05
71	HG-44145	1		Ring, Ret 62 EXT
72	HG-52149	1		Gear, 16T
73	HG-52150	1		Shaft, Motor
74	HG-51069	1		Washer .72x1.16x.04
80	HG-50132	2	/P	Washer .5x1.0x.03
81	HG-52148	1		Gear 43T
82	HG-52583	1		Gear 11T
83	HG-51083	1		Jack Shaft (Pin)
90	HG-50859	1		Ring, Ret 2.06 INT
91	HG-52108	1		Gear 54T
92	HG-52161	1		Spacer, .750x1.000x.257

Z-Force 48 Kohler 17AF3AGV
Transmission LH-1

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Ref #	Part Number	Qty	S/P/F	Description
93	HG-44121	1	S	Bearing, Ball, .75x40x12
94		1		Shaft, Axle
95	HG-50771	1	/P	BRG, Ball 1.0x52x15 Open 6205M
96	HG-50772	1	/P	Seal, Lip 25x52x10 TC (Gray)
97	HG-71405	1	S	Kit, Hub, 4 Bolt
99	HG-50863	1	S	Nut, Hex Lock 3/4-16
100	HG-52766	1	/P	Pawl, Brake
101	HG-52640	1		Shaft, Brake
102	HG-52639	1	/P	Handle, Brake
103	HG-52027	1	/P	Clip, Retaining
105	HG-50752	3	/P	HFHCS 1/4-20x.75
106	HG-52247	1		Guard, Filter, LH
109		1		Spacer, .91x1.02x.625
111	HG-71393	1	/P	Fitting, DSTR 9/16-18 SAE .5 Barb
120	HG-52735	1	/P	Fan 7", 10 Blade
121	HG-50302	1	/P	Pulley 4.5 Inch
122	HG-51244	1	S	Nut, Hex Locking 1/2-20 Nylon
123	HG-51076	3		HFHCS 1/4-20x.875
130		2		Tube, Connecting
132		1		O-Ring -137, 0.103x2.050
140	HG-52527	1		Spacer, .320x1.5x.062
141	HG-51945	1		Arm, Neutral Right
142	HG-51616	1	S	SHCS 5/16-24x1 Patch
145		1		Assembly, RTN
146	HG-51950	1		Washer, .343x1.5x.062
147	HG-52401	1	/P	Spring, Extension .57x2
155	HG-53046	1		Bracket, Damper
200	HG-71410	1	/P	Kit, Seal includes: 010, 026, 030, 031, 033, 035, 041, 046, 054, 056, 057, 071, 090, 096, 103, 130, 132
201	HG-71581	1		Kit, Center Section, LH includes: 016, 020, 022, 024, 025, 026, 027
207	HG-71699	1		Kit, Fan/Pulley includes: 120, 121, 122, 123
209	HG-71241	1	/P	Hub Puller, 4-Bolt
210	HG-71443	1		Kit, Input Shaft includes: 052, 053, 054
211	HG-71588	1		Kit, RTN, Bidirectional includes: 044, 046, 145
212	HG-71569	1	/P	Kit, Axle Shaft includes: 094, 109



Z-Force 48 Kohler 17AF3AGV
Transmission LH-2

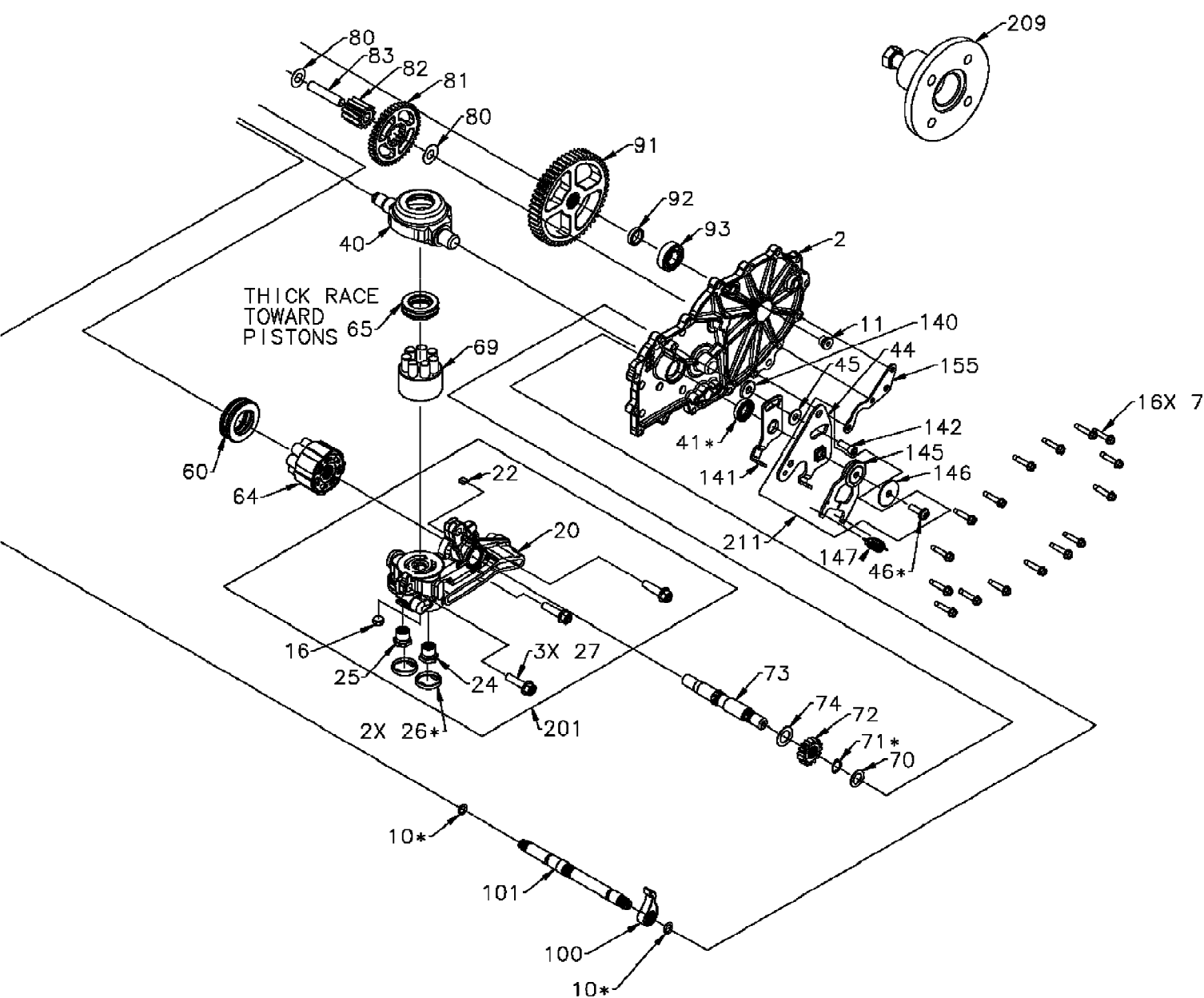
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Ref #	Part Number	Qty	S/P/F	Description
1	HG-71424	1		Kit, Housing, Main, LH includes: Housing, Main; LH, Bushing .624x.719x.562; BRG, JRNL .86x.98x.79; Pin .25x.375
2	HG-71573	1		Kit, Cover, Side, LH, CNTL includes: Cover, Side, LH, CNTL; Bushing .624x.719x.562; BRG, JNL .86x.98x.79
7	HG-51190	16	/P	HFHCS 1/4-20x1.25
10	HG-51804	2		D-Ring - 111 .103x.424
11	HG-9005110-5600	1	/P	Plug 9/16-18 (Metal)
13	HG-50928	1	/P	Sealant 10.1 OZ
14	737-3120	1	/P	FLUID-DRIVE SYSTEM, quart 70.3 OZ
16		1		Plug, Rubber
20		1		Center Section, LH
22	HG-51448	1		Plate, Bypass
23	HG-52114	1	/P	Filter, Oil
24		1		Shock Valve
25		1		Shock Valve
26	HG-52162	2		Seal, Plug 1.250x.250
27	HG-52137	3		HFHCS 3/8-16x1.5 (Patch)
30	HG-51626	1		Seal, Lip .375x.75x.25
31	HG-51628	1	/P	Ring, Ret .375 External
32	HG-52136	1		Rod, Bypass
33	HG-51627	1		Ring, Ret .750 Internal
34	HG-52370	1		Arm, Bypass
35	HG-51630	1	/P	Ring, Rtnng .375 EXT
40	HG-51048	1	/P	Trunnion, Swashplate
41	HG-51140	1	/P	Seal, Lip 18x32x7
44		1		Arm, Control RH
45	HG-44130	1	S	Washer .34x.88x.06
46	HG-51812	1	/P	TWHCS 5/16-24x1.00 (Patch)
52	HG-51062	1	/P	Shaft, Input
53	HG-50315	1		BRG, Ball 17x40x12 Open 6203
54	HG-2000022	1	/P	Ring, Ret Wire .561 ID
55	HG-50951	1	/P	Washer 1.23x1.56x.04
56	HG-51161	1	/P	Seal, Lip 17x40x7
57	HG-50329	1	/P	Ring, Ret 2.06 INT
60	HG-51462	1		Bearing, Thrust
64	HG-71579	1		Ass'y, Cylinder Block, 16cc
65	HG-50551	1	S	BRG, Thrust Ball 30x52x13
69	HG-70723	1	/P	Ass'y, Block 7 Piston
70	HG-44371	1	/P	Washer .63x1.0x.05
71	HG-44145	1		Ring, Ret 62 EXT
72	HG-52149	1		Gear, 16T
73	HG-52150	1		Shaft, Motor
74	HG-51069	1		Washer .72x1.16x.04
80	HG-50132	2	/P	Washer .5x1.0x.03
81	HG-52148	1		Gear 43T
82	HG-52583	1		Gear 11T
83	HG-51083	1		Jack Shaft (Pin)
90	HG-50859	1		Ring, Ret 2.06 INT
91	HG-52108	1		Gear 54T
92	HG-52161	1		Spacer, .750x1.000x.257

Z-Force 48 Kohler 17AF3AGV
Transmission LH-2

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Ref #	Part Number	Qty	S/P/F	Description
93	HG-44121	1	S	Bearing, Ball, .75x40x12
94		1		Shaft, Axle
95	HG-50771	1	/P	BRG, Ball 1.0x52x15 Open 6205M
96	HG-50772	1	/P	Seal, Lip 25x52x10 TC (Gray)
97	HG-71405	1	S	Kit, Hub, 4 Bolt
99	HG-50863	1	S	Nut, Hex Lock 3/4-16
100	HG-52766	1	/P	Pawl, Brake
101	HG-52640	1		Shaft, Brake
102	HG-52639	1	/P	Handle, Brake
103	HG-52027	1	/P	Clip, Retaining
105	HG-50752	3	/P	HFHCS 1/4-20x.75
106	HG-52247	1		Guard, Filter, LH
109		1		Spacer, .91x1.02x.625
111	HG-71393	1	/P	Fitting, DSTR 9/16-18 SAE .5 Barb
120	HG-52735	1	/P	Fan 7", 10 Blade
121	HG-50302	1	/P	Pulley 4.5 Inch
122	HG-51244	1	S	Nut, Hex Locking 1/2-20 Nylon
123	HG-51076	3		HFHCS 1/4-20x.875
130		2		Tube, Connecting
132		1		O-Ring -137, 0.103x2.050
140	HG-52527	1		Spacer, .320x1.5x.062
141	HG-51945	1		Arm, Neutral Right
142	HG-51616	1	S	SHCS 5/16-24x1 Patch
145		1		Assembly, RTN
146	HG-51950	1		Washer, .343x1.5x.062
147	HG-52401	1	/P	Spring, Extension .57x2
155	HG-53046	1		Bracket, Damper
200	HG-71410	1	/P	Kit, Seal includes: 010, 026, 030, 031, 033, 035, 041, 046, 054, 056, 057, 071, 090, 096, 103, 130, 132
201	HG-71581	1		Kit, Center Section, LH includes: 016, 020, 022, 024, 025, 026, 027
207	HG-71699	1		Kit, Fan/Pulley includes: 120, 121, 122, 123
209	HG-71241	1	/P	Hub Puller, 4-Bolt
210	HG-71443	1		Kit, Input Shaft includes: 052, 053, 054
211	HG-71588	1		Kit, RTN, Bidirectional includes: 044, 046, 145
212	HG-71569	1	/P	Kit, Axle Shaft includes: 094, 109



Z-Force 48 Kohler 17AF3AGV
Transmission RH-1

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Ref #	Part Number	Qty	S/P/F	Description
1	HG-71414	1		Kit, Housing, Main, RH includes: Housing, Main, RH; Bushing .624x.719x.562; BRG, JRNL .86x.98x.79; Pin .25x.375
2	HG-71571	1		Kit, Cover, Side, RH, CNTL includes: Cover, Side, RH, CNTL; Bushing .624x.719x.562; BRG, JNL .86x.98x.79
7	HG-51190	16	/P	HFHCS 1/4-20x1.25
10	HG-51804	2		D-Ring - 111 .103x.424
11	HG-9005110-5600	1	/P	Plug 9/16-18 (Metal)
13	HG-50928	1	/P	Sealant 10.1 OZ
14	737-3120	1	/P	FLUID-DRIVE SYSTEM, quart 70.3 OZ
16		1		Plug Rubber
20		1		Center Section, RH
22	HG-51448	1		Plate, Bypass
23	HG-52114	1	/P	Filter, Oil
24		1		Shock Valve
25		1		Shock Valve
26	HG-52162	2		Seal, Plug 1.250x.250
27	HG-52137	3		HFHCS 3/8-16x1.5 (Patch)
30	HG-51626	1		Seal, Lip .375x.75x.25
31	HG-51628	1	/P	Ring, Ret .375 External
32	HG-52136	1		Rod, Bypass
33	HG-51627	1		Ring, Ret .750 Internal
34	HG-51910	1		Arm, Bypass
35	HG-51630	1	/P	Ring, Rtnng .375 EXT
40	HG-51048	1	/P	Trunnion, Swashplate
41	HG-51140	1	/P	Seal, Lip 18x32x7
44		1		Arm, Control LH
45	HG-44130	1	S	Washer .34x.88x.06
46	HG-51812	1	/P	TWHCS 5/16-24x1.00 (Patch)
52	HG-51062	1	/P	Shaft, Input
53	HG-50315	1		BRG, Ball 17x40x12 Open 6203
54	HG-2000022	1	/P	Ring, Ret Wire .561 ID
55	HG-50951	1	/P	Washer 1.23x1.56x.04
56	HG-51161	1	/P	Seal, Lip 17x40x7
57	HG-50329	1	/P	Ring, Ret 2.06 INT
60	HG-51462	1		Bearing, Thrust
64	HG-71579	1		Ass'y, Cylinder Block, 16cc
65	HG-50551	1	S	BRG, Thrust Ball 30x52x13
69	HG-70723	1	/P	Ass'y, Block 7 Piston
70	HG-44371	1	/P	Washer .63x1.0x.05
71	HG-44145	1		Ring, Ret 62 EXT
72	HG-52149	1		Gear, 16T
73	HG-52150	1		Shaft, Motor
74	HG-51069	1		Washer .72x1.16x.04
80	HG-50132	2	/P	Washer .5x1.0x.03
81	HG-52148	1		Gear 43T
82	HG-52583	1		Gear 11T
83	HG-51083	1		Jack Shaft (Pin)
90	HG-50859	1		Ring, Ret 2.06 INT
91	HG-52108	1		Gear 54T
92	HG-52161	1		Spacer, .750x1.000x.257

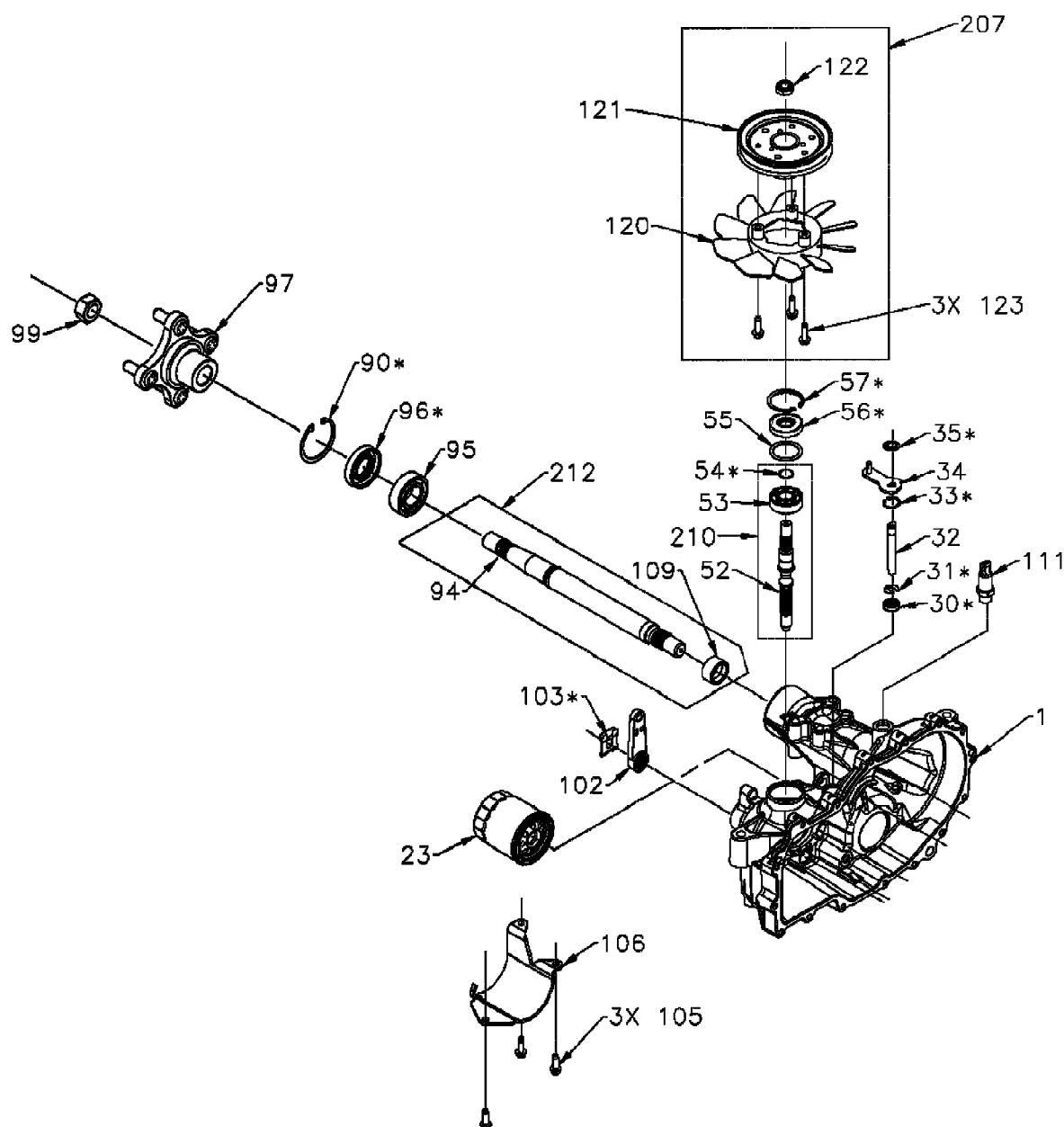
Z-Force 48 Kohler 17AF3AGV
Transmission RH-1

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Ref #	Part Number	Qty	S/P/F	Description
93	HG-44121	1	S	Bearing, Ball, .75x40x12
94		1		Shaft, Axle
95	HG-50771	1	/P	BRG, Ball 1.0x52x15 Open 6205M
96	HG-50772	1	/P	Seal, Lip 25x52x10 TC (Gray)
97	HG-71405	1	S	Kit, Hub, 4 Bolt
99	HG-50863	1	S	Nut, Hex Lock 3/4-16
100	HG-52766	1	/P	Pawl, Brake
101	HG-52640	1		Shaft, Brake
102	HG-52639	1	/P	Handle, Brake
103	HG-52027	1	/P	Clip, Retaining
105	HG-50752	3	/P	HFHCS 1/4-20x.75
106	HG-52257	1		Guard, Filter, RH
109		1		Spacer, .91x1.02x.625
111	HG-71393	1	/P	Fitting, DSTR 9/16-18 SAE .5 Barb
120	HG-52735	1	/P	Fan 7", 10 Blade
121	HG-50302	1	/P	Pulley 4.5 Inch
122	HG-51244	1	S	Nut, Hex Locking 1/2-20 Nylon
123	HG-51076	3		HFHCS 1/4-20x.875
130		2		Tube, Connecting
132		1		O-Ring -137, 0.103x2.050
140	HG-52527	1		Spacer, .320x1.5x.062
141	HG-51946	1		Arm, Neutral Left
142	HG-51616	1	S	SHCS 5/16-24x1 Patch
145		1		Assembly, RTN
146	HG-51950	1		Washer, .343x1.5x.062
147	HG-52401	1	/P	Spring, Extension .57x2
155	HG-53046	1		Bracket, Damper
200	HG-71410	1	/P	Kit, Seal includes: 010, 026, 030, 031, 033, 035, 041, 046, 054, 056, 057, 071, 090, 096, 103, 130, 132
201	HG-71580	1		Kit, Center Section, RH includes: 016, 020, 022, 024, 025, 026, 027
207	HG-71699	1		Kit, Fan/Pulley includes: 120, 121, 122, 123
209	HG-71241	1	/P	Hub Puller, 4-Bolt
210	HG-71442	1		Kit, Input Shaft includes: 052, 053, 054
211	HG-71592	1		Kit, RTN, Bidirectional includes: 044, 046, 145
212	HG-71569	1	/P	Kit, Axle Shaft includes: 094, 109

Z-Force 48 Kohler 17AF3AGV
Transmission RH-2

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Z-Force 48 Kohler 17AF3AGV
Transmission RH-2

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Ref #	Part Number	Qty	S/P/F	Description
1	HG-71414	1		Kit, Housing, Main, RH includes: Housing, Main, RH; Bushing .624x.719x.562; BRG, JRNL .86x.98x.79; Pin .25x.375
2	HG-71571	1		Kit, Cover, Side, RH, CNTL includes: Cover, Side, RH, CNTL; Bushing .624x.719x.562; BRG, JNL .86x.98x.79
7	HG-51190	16	/P	HFHCS 1/4-20x1.25
10	HG-51804	2		D-Ring - 111 .103x.424
11	HG-9005110-5600	1	/P	Plug 9/16-18 (Metal)
13	HG-50928	1	/P	Sealant 10.1 OZ
14	737-3120	1	/P	FLUID-DRIVE SYSTEM, quart 70.3 OZ
16		1		Plug Rubber
20		1		Center Section, RH
22	HG-51448	1		Plate, Bypass
23	HG-52114	1	/P	Filter, Oil
24		1		Shock Valve
25		1		Shock Valve
26	HG-52162	2		Seal, Plug 1.250x.250
27	HG-52137	3		HFHCS 3/8-16x1.5 (Patch)
30	HG-51626	1		Seal, Lip .375x.75x.25
31	HG-51628	1	/P	Ring, Ret .375 External
32	HG-52136	1		Rod, Bypass
33	HG-51627	1		Ring, Ret .750 Internal
34	HG-51910	1		Arm, Bypass
35	HG-51630	1	/P	Ring, Rtnng .375 EXT
40	HG-51048	1	/P	Trunnion, Swashplate
41	HG-51140	1	/P	Seal, Lip 18x32x7
44		1		Arm, Control LH
45	HG-44130	1	S	Washer .34x.88x.06
46	HG-51812	1	/P	TWHCS 5/16-24x1.00 (Patch)
52	HG-51062	1	/P	Shaft, Input
53	HG-50315	1		BRG, Ball 17x40x12 Open 6203
54	HG-2000022	1	/P	Ring, Ret Wire .561 ID
55	HG-50951	1	/P	Washer 1.23x1.56x.04
56	HG-51161	1	/P	Seal, Lip 17x40x7
57	HG-50329	1	/P	Ring, Ret 2.06 INT
60	HG-51462	1		Bearing, Thrust
64	HG-71579	1		Ass'y, Cylinder Block, 16cc
65	HG-50551	1	S	BRG, Thrust Ball 30x52x13
69	HG-70723	1	/P	Ass'y, Block 7 Piston
70	HG-44371	1	/P	Washer .63x1.0x.05
71	HG-44145	1		Ring, Ret 62 EXT
72	HG-52149	1		Gear, 16T
73	HG-52150	1		Shaft, Motor
74	HG-51069	1		Washer .72x1.16x.04
80	HG-50132	2	/P	Washer .5x1.0x.03
81	HG-52148	1		Gear 43T
82	HG-52583	1		Gear 11T
83	HG-51083	1		Jack Shaft (Pin)
90	HG-50859	1		Ring, Ret 2.06 INT
91	HG-52108	1		Gear 54T
92	HG-52161	1		Spacer, .750x1.000x.257

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Ref #	Part Number	Qty	S/P/F	Description
93	HG-44121	1	S	Bearing, Ball, .75x40x12
94		1		Shaft, Axle
95	HG-50771	1	/P	BRG, Ball 1.0x52x15 Open 6205M
96	HG-50772	1	/P	Seal, Lip 25x52x10 TC (Gray)
97	HG-71405	1	S	Kit, Hub, 4 Bolt
99	HG-50863	1	S	Nut, Hex Lock 3/4-16
100	HG-52766	1	/P	Pawl, Brake
101	HG-52640	1		Shaft, Brake
102	HG-52639	1	/P	Handle, Brake
103	HG-52027	1	/P	Clip, Retaining
105	HG-50752	3	/P	HFHCS 1/4-20x.75
106	HG-52257	1		Guard, Filter, RH
109		1		Spacer, .91x1.02x.625
111	HG-71393	1	/P	Fitting, DSTR 9/16-18 SAE .5 Barb
120	HG-52735	1	/P	Fan 7", 10 Blade
121	HG-50302	1	/P	Pulley 4.5 Inch
122	HG-51244	1	S	Nut, Hex Locking 1/2-20 Nylon
123	HG-51076	3		HFHCS 1/4-20x.875
130		2		Tube, Connecting
132		1		O-Ring -137, 0.103x2.050
140	HG-52527	1		Spacer, .320x1.5x.062
141	HG-51946	1		Arm, Neutral Left
142	HG-51616	1	S	SHCS 5/16-24x1 Patch
145		1		Assembly, RTN
146	HG-51950	1		Washer, .343x1.5x.062
147	HG-52401	1	/P	Spring, Extension .57x2
155	HG-53046	1		Bracket, Damper
200	HG-71410	1	/P	Kit, Seal includes: 010, 026, 030, 031, 033, 035, 041, 046, 054, 056, 057, 071, 090, 096, 103, 130, 132
201	HG-71580	1		Kit, Center Section, RH includes: 016, 020, 022, 024, 025, 026, 027
207	HG-71699	1		Kit, Fan/Pulley includes: 120, 121, 122, 123
209	HG-71241	1	/P	Hub Puller, 4-Bolt
210	HG-71442	1		Kit, Input Shaft includes: 052, 053, 054
211	HG-71592	1		Kit, RTN, Bidirectional includes: 044, 046, 145
212	HG-71569	1	/P	Kit, Axle Shaft includes: 094, 109