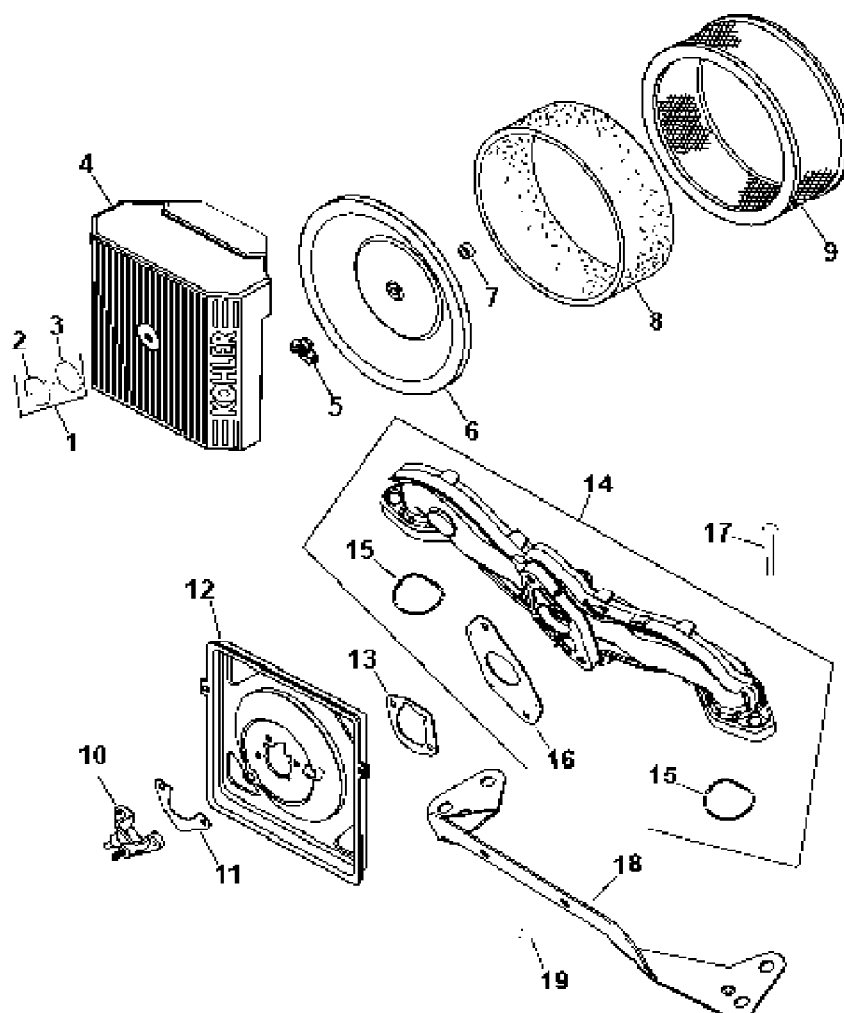


Z-Force 50 17AH3AGP
Air Intake and Filtration

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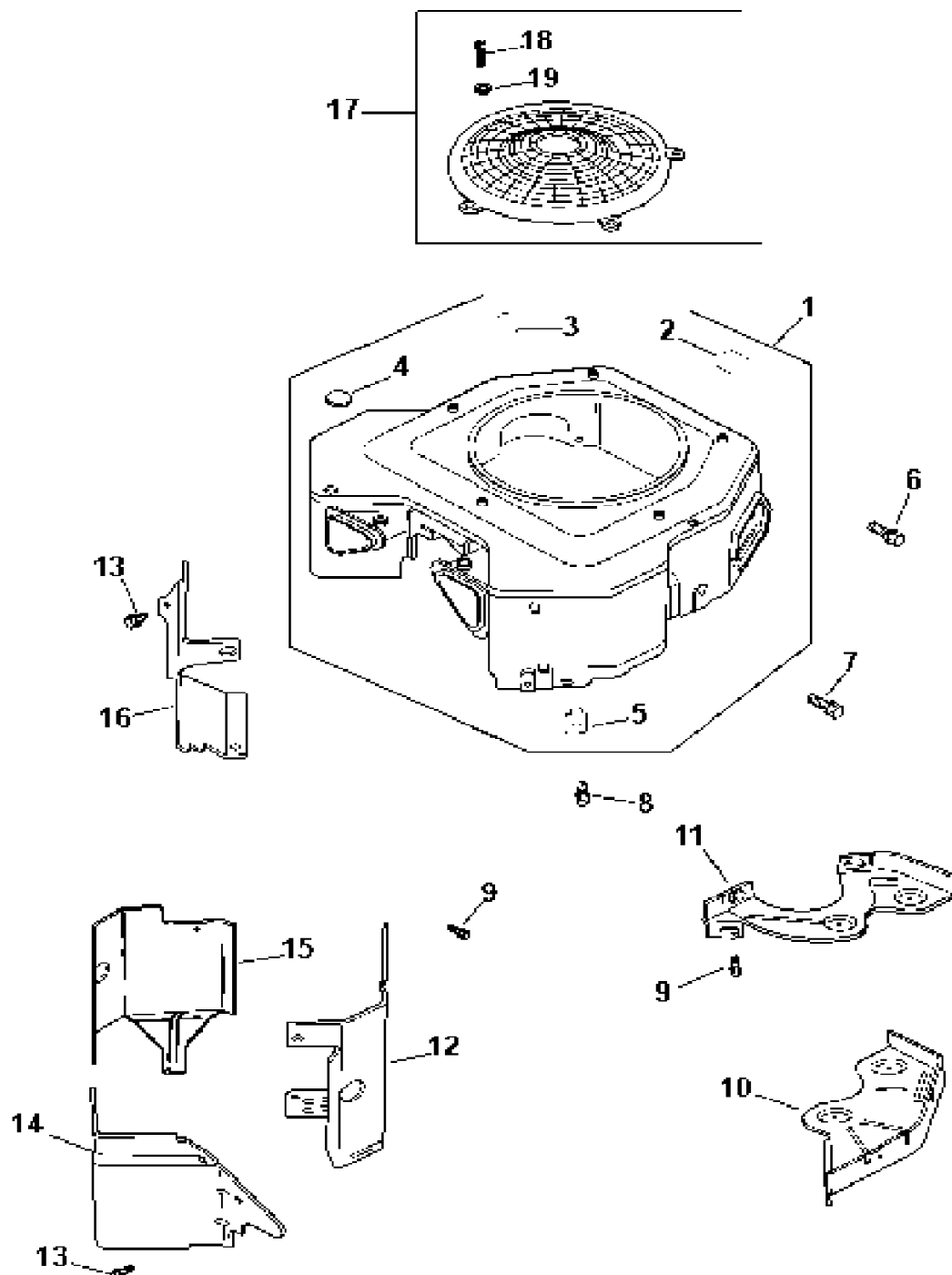
Z-Force 50 17AH3AGP
Air Intake and Filtration

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-54-755-01-S	1	/P	Knob With Seal Kit
2	KH-25-341-04-S	1	/P	Cover Knob
3	KH-24-153-20-S	1		O-Ring
4	KH-24-096-70-S	1	/P	Air Cleaner Cover
5	KH-12-100-01	1	/P	Wing Nut
6	KH-24-096-01	1	/P	Inner Air Cleaner Cover
7	KH-231032	1	/P	Inner Air Cleaner Seal
8	KH-24-083-05-S	1	S	Precleaner Element
9	KH-24-083-03-S	1	S	Air Cleaner Element
10	KH-24-109-25-S	1	/P	Spit Back Cup w/Stud
11	KH-24-041-13-S	1		Spit Back Cup Gasket
12	KH-24-094-34-S	1		Air Cleaner Base
13	KH-24-041-14	1	/P	Air Cleaner Gasket
14	KH-24-164-51-S	1	S	Intake Manifold
15	KH-24-153-27-S	2	/P	Intake Port O-Ring
16	KH-24-041-52-S	1	/P	Carburetor Gasket
17	KH-M-651040-S	4		Hex Flange Screw (M6 x 1.0 x 40)
18	KH-24-126-130-S	1		Air Cleaner Bracket
19	KH-M-0545010	2	/P	Hex Flange Screw (M5 x .8 x 10)

Z-Force 50 17AH3AGP
Blower Housing and Baffles

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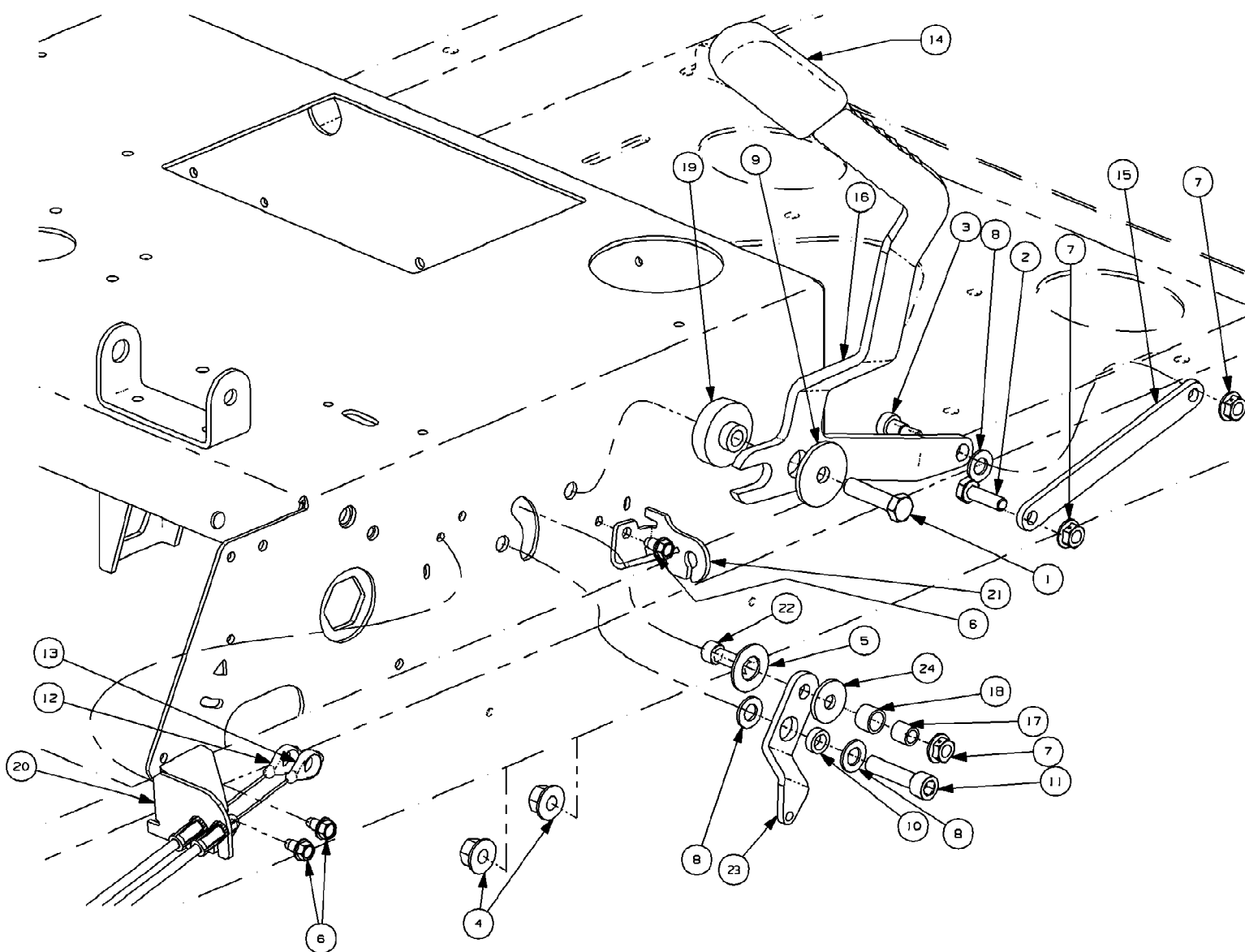
Z-Force 50 17AH3AGP
Blower Housing and Baffles

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-24-027-196-S	1		Blower Housing
2	KH-24-100-01	3		Plastic Nut
3	KH-25-086-91-S	1	/P	Tapping Screw
4	KH-25-139-16	1		9/16" Button Plug
5	KH-24-100-02	2		Plastic Nut
6	KH-M-545016-S	3	/P	Screw
7	KH-M-551016-S	1		Screw
8	KH-M-545020-S	2		Screw
9	KH-M-645016-S	4	/P	Screw
10	KH-24-146-16-S	1	/P	Backing Plate # 2
11	KH-24-146-20-S	1	/P	Backing Plate # 1
12	KH-24-063-20	1	/P	Cylinder Barrel Baffle # 2 Side
13	KH-M-0545010	2	/P	Screw
14	KH-24-063-69-S	1		Valley Baffle # 2 Side
15	KH-24-063-58-S	1	S	Cylinder Barrel Baffle # 1 Side
16	KH-24-063-60-S	1		Valley Baffle # 1 Side
17	KH-24-755-81-S	1		Fixed Guard Kit
18	KH-24-086-35-S	5		Pan Head Screw
19	KH-24-468-10	5		Flat Washer
	KH-24-096-85-S	1		Blower Housing Cover (NOT ILLUSTRATED)
	KH-25-086-91-S	1	/P	Tapping Screw (NOT ILLUSTRATED)
	KH-24-332-01-S	3		Threaded Insert (NOT ILLUSTRATED)
	KH-24-113-81-S	1		Decal (NOT ILLUSTRATED)
	KH-24-113-18-S	1		Grass Screen Decal (NOT ILLUSTRATED)
	KH-25-113-39-S	1		Clear Lamination Decal (NOT ILLUSTRATED)

Z-Force 50 17AH3AGP
Brake Assembly SN 1D237 & After

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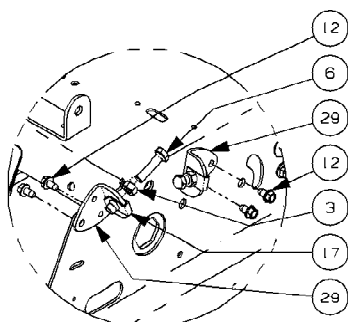
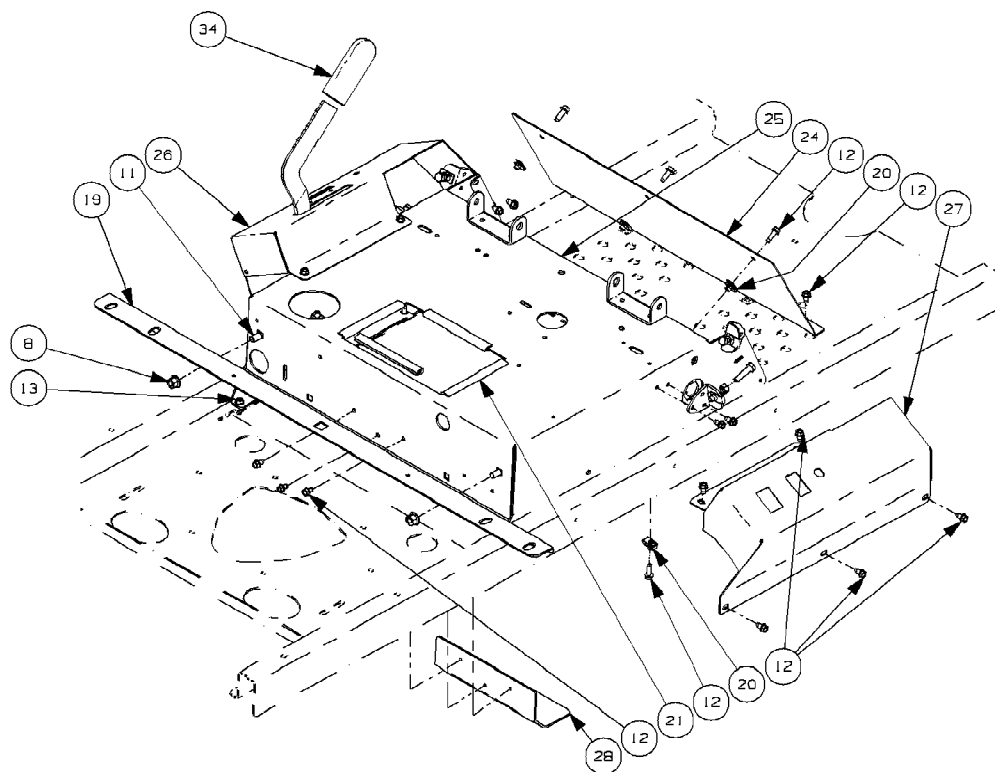
Z-Force 50 17AH3AGP
Brake Assembly SN 1D237 & After

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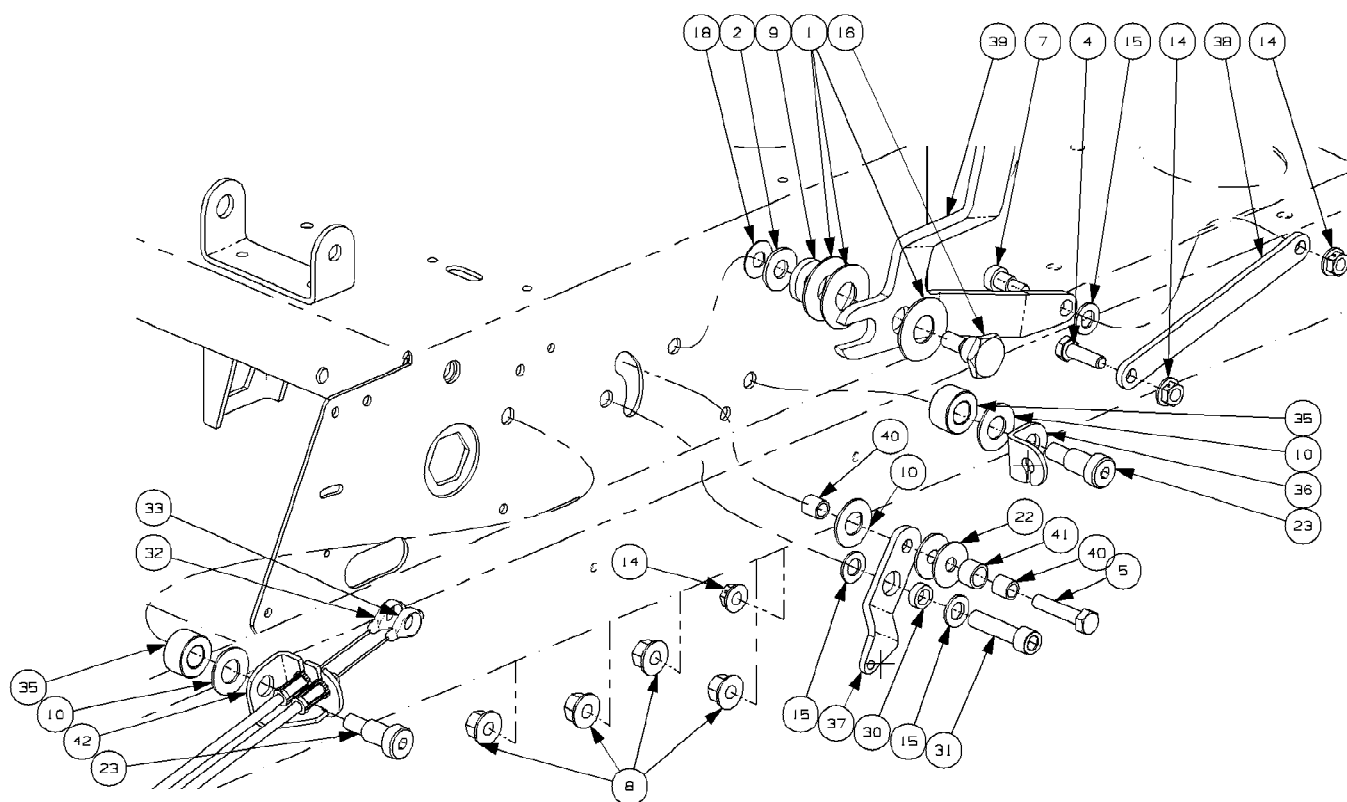
Ref #	Part Number	Qty	S/P/F	Description
1	00010980	1		Hex Head Cap Screw, 3/8-16 x 1.50
2	00012180	1		Hex Head Cap Screw, 5/16-18 x 1.00
3	00013733	1		Shoulder Bolt, 3/8 x 3/8
4	00022560	2		Hex Nut, 3/8-16 Flange Lock
5	01000101	1		Slide Washer
6	01000628	3	S	Screw, TT, 1/4-20, 0.5, Hex Index Washer
7	01000635	3	S	Nut, 5/16-18, Flange Lock
8	01002710	3		Washer, .375 x .738 x .063
9	01009253	1		Flat Washer, .390 x 1.5 x .134
10	02002885	1		Spacer, .380 x .563 x .196
11	02003717	1		Sockethead Capscrew, 3/8-16 x 1.50
12	02003728	1		Left Hand Brake Cable
13	02003729	1		Right Hand Brake Cable
14	02003740	1		Parking Brake Grip
15	02003831	1		Brake Link Plate
16	02003832	1	/P	Brake Handle
17	02003839	1		Spacer, .322 ID x .438 OD x .44
18	02003840	1		Spacer, .442 ID x .563 OD x .405
19	02004045	1		Step Hub, .379 x 1.5 x .257/.400
20	02004122	1		Brake Cable Mounting Bracket
21	02004123	1		Brake Cable Mounting Bracket
22	02004124	1		Sockethead Capscrew, 5/16-18 x 1.00
23	02004174	1		Lockout Lever Plate
24	736-3089	1	/P	Washer, .345 x 1.00 x .100

Z-Force 50 17AH3AGP
Control Assembly & Brake SN 1D227 & Before

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DETAIL A
SCALE 16



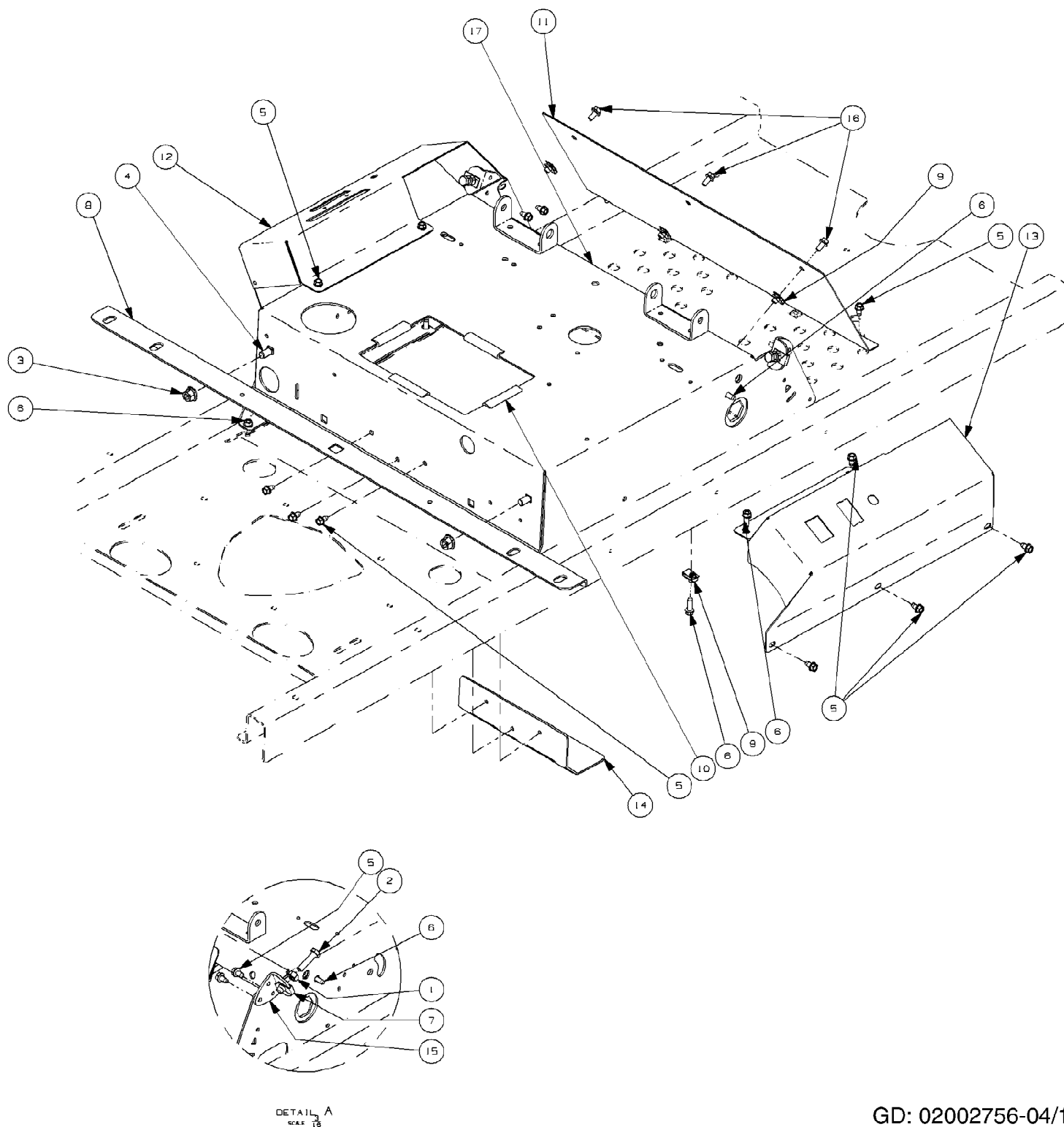
Z-Force 50 17AH3AGP
Control Assembly & Brake SN 1D227 & Before

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Ref #	Part Number	Qty	S/P/F	Description
1	00002766	3		Washer, 1.50 x .625 x .05
2	00006168	1		Washer, 3/8
3	00012166	4		Hex Nut, 5/16-18
4	00012180	1		Hex Head Cap Screw, 5/16-18 x 1.00
5	00012382	1		Hex Cap Screw, 5/16-18 x 1-1/2
6	00013116	4		HHCS, 5/16-18 x 1-1/4
7	00013733	1		Shoulder Bolt, 3/8 x 3/8
8	00022560	6		Hex Nut, 3/8-16 Flange Lock
9	00083192	1		Idler Washer
10	01000101	3		Slide Washer
11	01000372	2	S	Carriage Bolt, 3/8-16
12	01000628	24	S	Screw, 1/4-20 x 1/2
13	01000629	7	S	Self Tapping Screw, 1/4-20 x .75
14	01000635	3	S	Nut, 5/16-18, Flange Lock
15	01002710	3		Washer, .375 x .738 x .063
16	01003535	1		Shoulder Screw, 0.625 OD x .437 Lg.
17	01003563	4		U-Nut, 5/16-18
18	01008225	1		Push Retainer
19	01008491	1		Front Tank Mounting Bracket
20	01008539	5	S	U-Nut, 1/4-20
21	01008572	4	S	Battery Edge Trim
22	01009937	2		Washer, 5/16 x 1.06
23	02002091	2		Shoulder Bolt, 1/2 x 3/4, 3/8-16
24	02002457	1		Front Panel
25	02002626	1		Control Housing Weldment
26	02002741	1		Left Hand Control Console
27	02002742	1		Right Hand Control Console
28	02002745	1		Battery Bracket
29	02002761	4		Forward/Reverse Stop Bracket
30	02002885	1		Spacer, .380 x .563 x .196
31	02003717	1		Sockethead Capscrew, 3/8-16 x 1.50
32	02003728	1		Left Hand Brake Cable
33	02003729	1		Right Hand Brake Cable
34	02003740	1		Parking Brake Grip
35	02003820	2		Spacer, .515 ID x 1.00 OD x .56
36	02003824	1		Brake Cable Mounting Bracket
37	02003825	1		Lockout Lever Plate
38	02003831	1		Brake Link Plate
39	02003833	1	S	Brake Handle
40	02003839	2		Spacer, .322 ID x .438 OD x .44
41	02003840	1		Spacer, .442 ID x .563 OD x .405
42	02003858	1		Brake Cable Mounting Bracket

Z-Force 50 17AH3AGP
Control Assembly SN 1D237 & After

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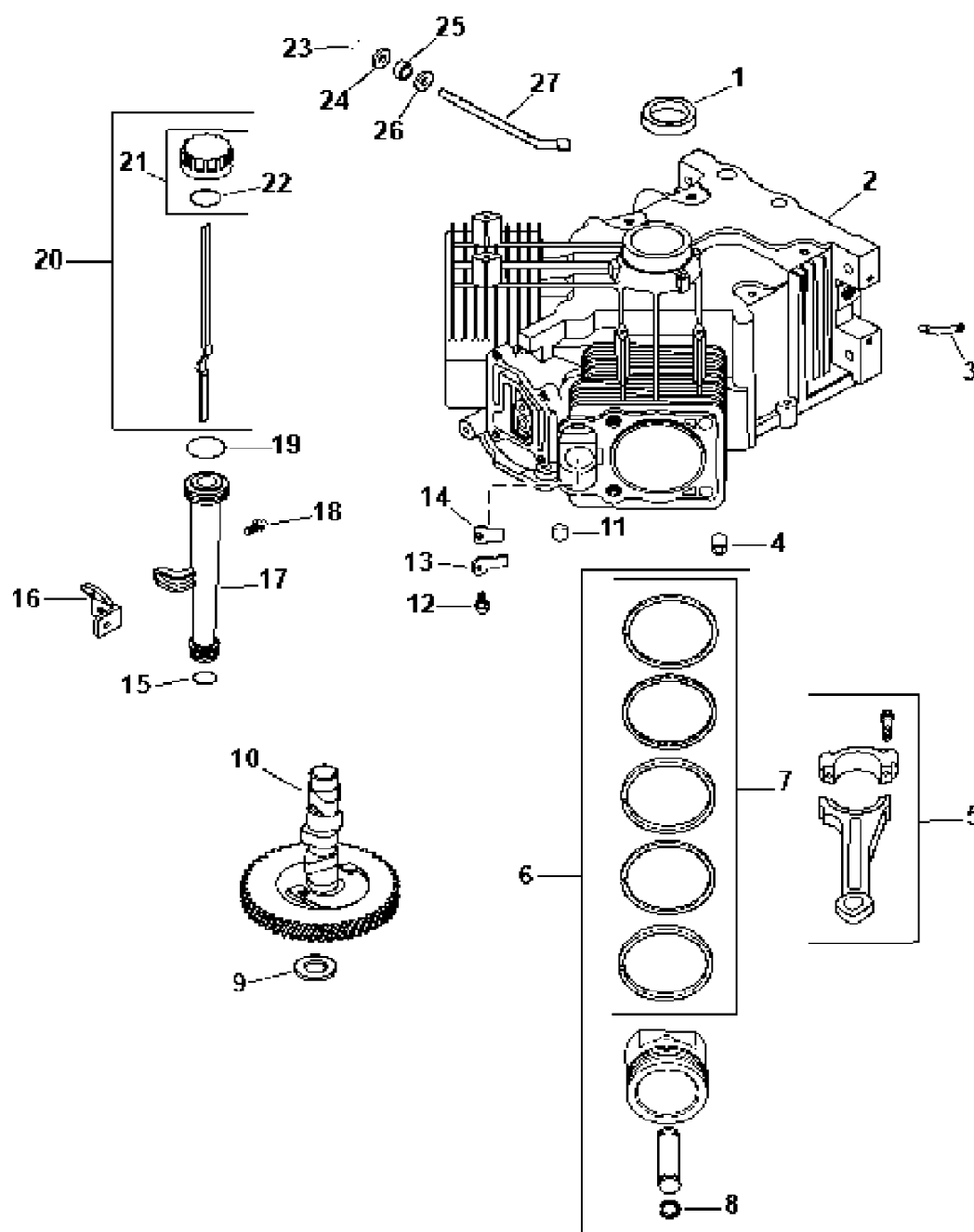
Z-Force 50 17AH3AGP
Control Assembly SN 1D237 & After

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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	00022560	2		Hex Nut, 3/8-16 Flange Lock
4	01000372	2	S	Carriage Bolt, 3/8-16
5	01000628	19	S	Screw, 1/4-20 x 1/2
6	01000629	7	S	Self Tapping Screw, 1/4-20 x .75
7	01003563	2		U-Nut, 5/16-18
8	01008491	1		Front Tank Mounting Bracket
9	01008539	5	S	U-Nut, 1/4-20
10	01008572	4	S	Battery Edge Trim
11	02002457	1		Front Panel
12	02002741	1		Left Hand Control Console
13	02002742	1		Right Hand Control Console
14	02002745	1		Battery Bracket
15	02002761	2		Forward/Reverse Stop Bracket
16	02003812	3		Screw, 1/4-20 x 1/2
17	02004172	1		Control Housing Weldment

Z-Force 50 17AH3AGP
Crankcase

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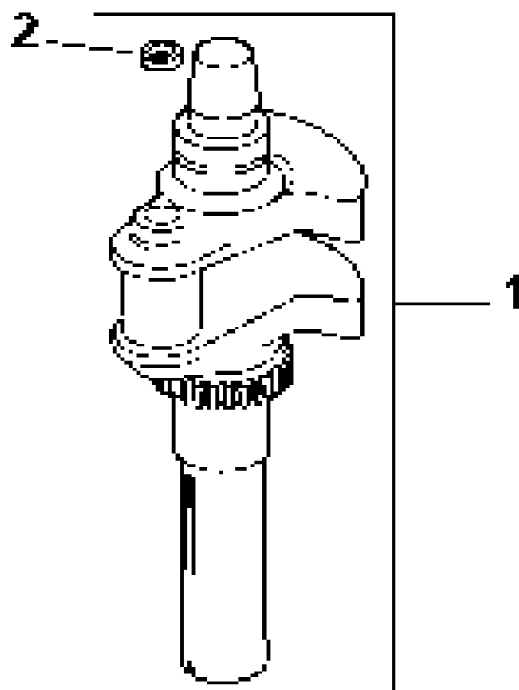
Z-Force 50 17AH3AGP
Crankcase

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-24-032-01-S	1	S	Oil Seal
2	KH-24-522-393	1		Short Block
2	KH-24-782-14	1		Miniblock
3	KH-24-294-13	1	/P	Fitting
4	KH-24-380-13-S	6	S	Split Dowel Pin
5	KH-24-067-13-S	2	S	Connecting Rod (Std.)
5	KH-24-067-14	2		Connecting Rod (.25)
6	KH-24-874-09-S	2	S	Piston w/Ring Set Kit (Std.)
6	KH-24-874-15	2		Piston w/Ring Set Kit (.08.)
6	KH-24-874-10	2	S	Piston w/Ring Set Kit (.25.)
6	KH-24-874-11	2		Piston w/Ring Set Kit (.50.)
7	KH-24-108-08-S	2		Ring Set (Std. & .08)
7	KH-24-108-09-S	2		Ring Set (.25)
7	KH-24-108-10-S	2		Ring Set (.50)
8	KH-24-018-01	4	S	Piston Pin Retainer
9	KH-12-422-07	1	S	Shim (White) (AS REQUIRED)
9	KH-12-422-08	1	S	Shim (Blue) (AS REQUIRED)
9	KH-12-422-09	1	S	Shim (Red) (AS REQUIRED)
9	KH-12-422-10	1	S	Shim (Yellow) (AS REQUIRED)
9	KH-12-422-11	1	S	Shim (Green) (AS REQUIRED)
9	KH-12-422-12	1	S	Shim (Gray) (AS REQUIRED)
9	KH-12-422-13	1	S	Shim (Black) (AS REQUIRED)
10	KH-24-012-10-S	1	/P	Camshaft Kit
11	KH-52-139-09	1	S	Cup Plug
12	KH-M-0545010	2	/P	Screw
13	KH-24-018-04	2		Reed Retainer
14	KH-24-402-05-S	2	/P	Breather Reed
15	KH-12-153-01-S	1	/P	O-Ring
16	KH-24-126-19	1		Oil Fill Tube Bracket
17	KH-12-123-04	1	S	Oil Fill Tube
18	KH-M-545016-S	1	/P	Screw
19	KH-12-153-03	1		O-Ring Upper Fill Tube
20	KH-24-038-04-S	1	/P	Dipstick
21	KH-24-755-46	1	/P	Oil Fill Cap Kit
22	KH-25-153-02-S	1		O-Ring
23	KH-24-018-09-S	1		Ring Retainer
24	KH-M-931010-S	1		Plain 9mm washer
25	KH-28-032-09-S	1		Oil Governor Shaft Seal
26	KH-24-468-15-S	1		Flat Washer
27	KH-24-144-38-S	1	/P	Governor Cross Shaft

Z-Force 50 17AH3AGP
Crankshaft

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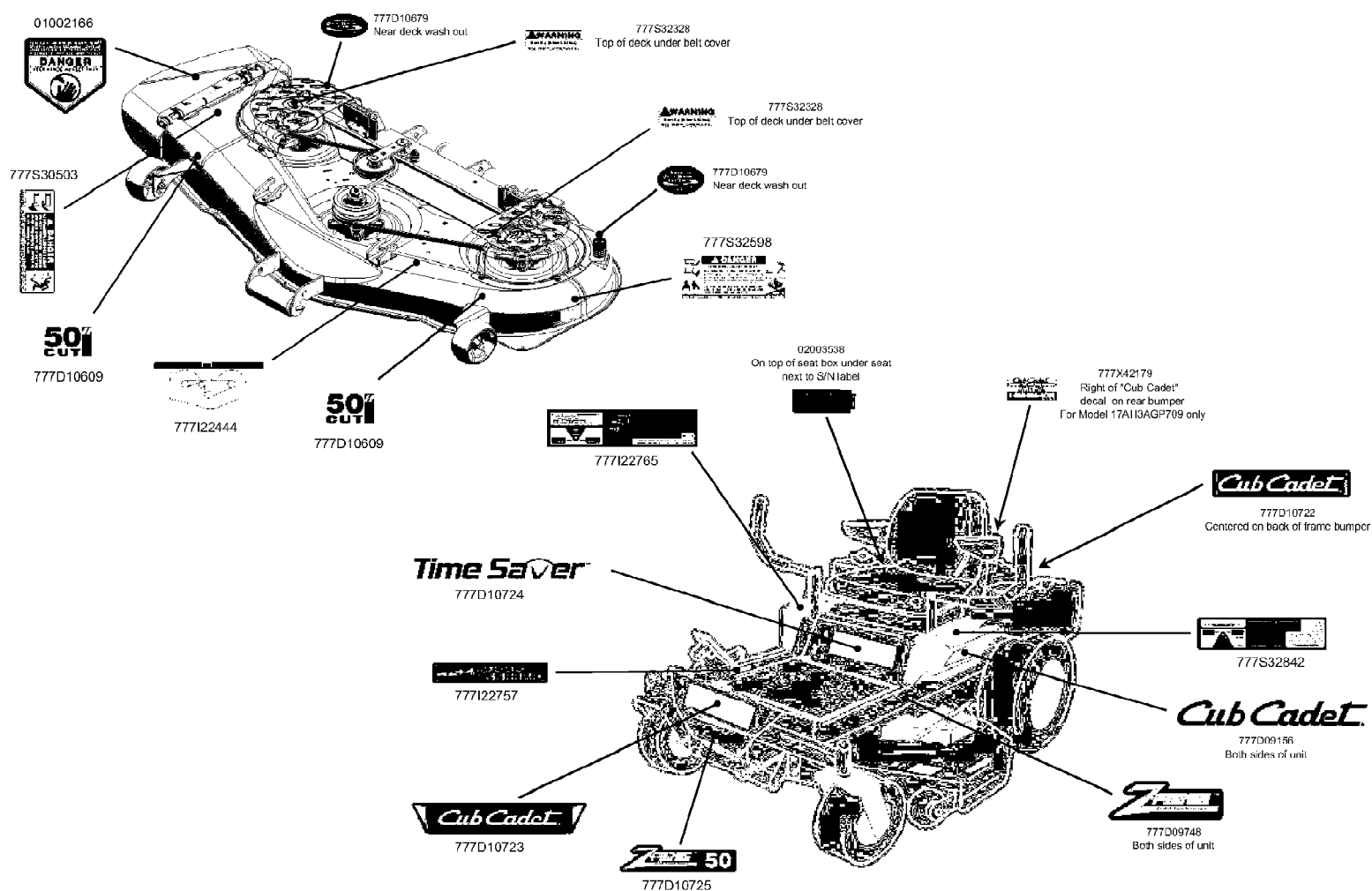
Z-Force 50 17AH3AGP
Crankshaft

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-24-014-42	1	S	Crankshaft (Includes Ref.# 2)
2	KH-52-139-09	1	S	Cup Plug

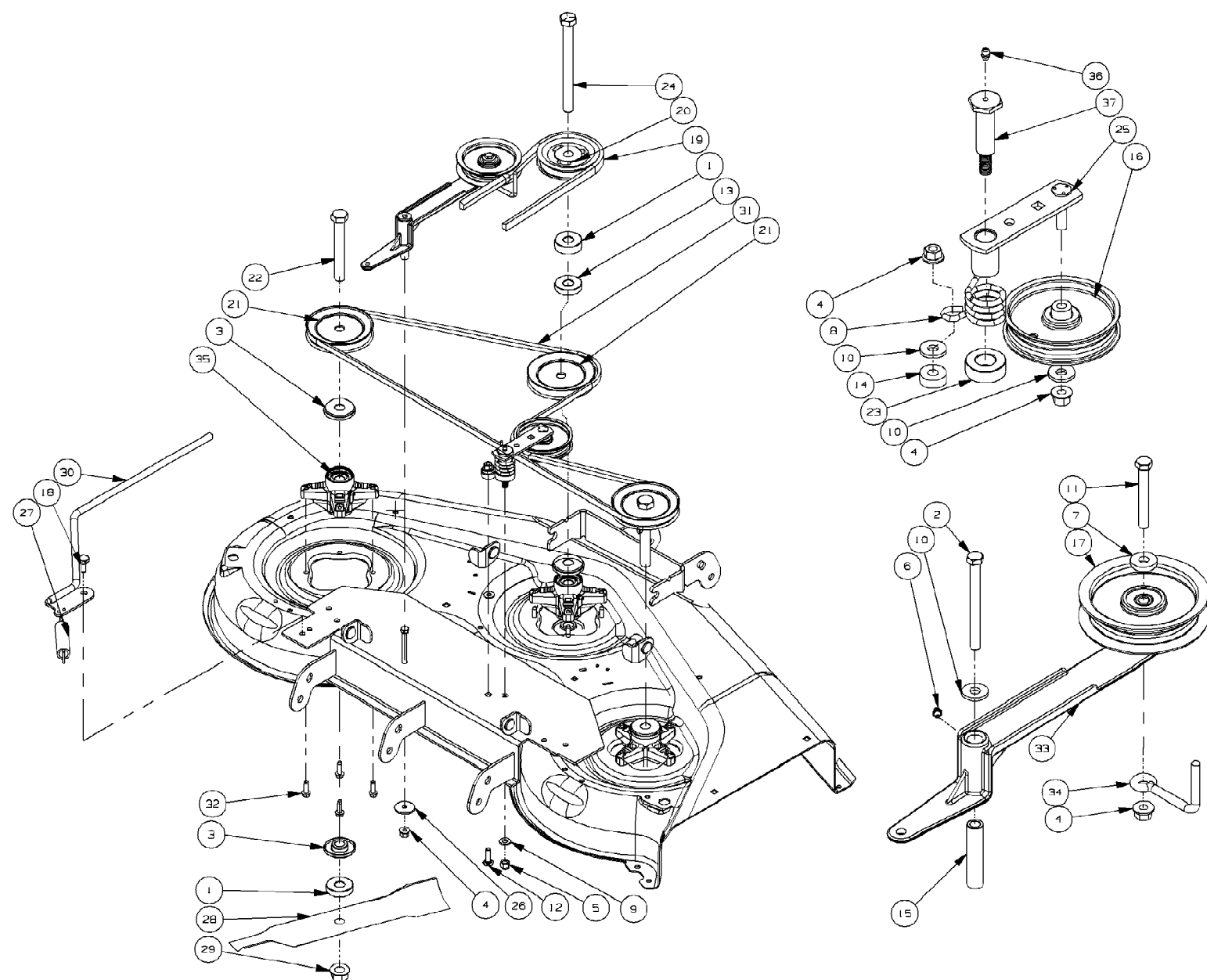
Z-Force 50 17AH3AGP
Decal Map 50

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Z-Force 50 17AH3AGP
Deck Spindle Assembly 50 inch

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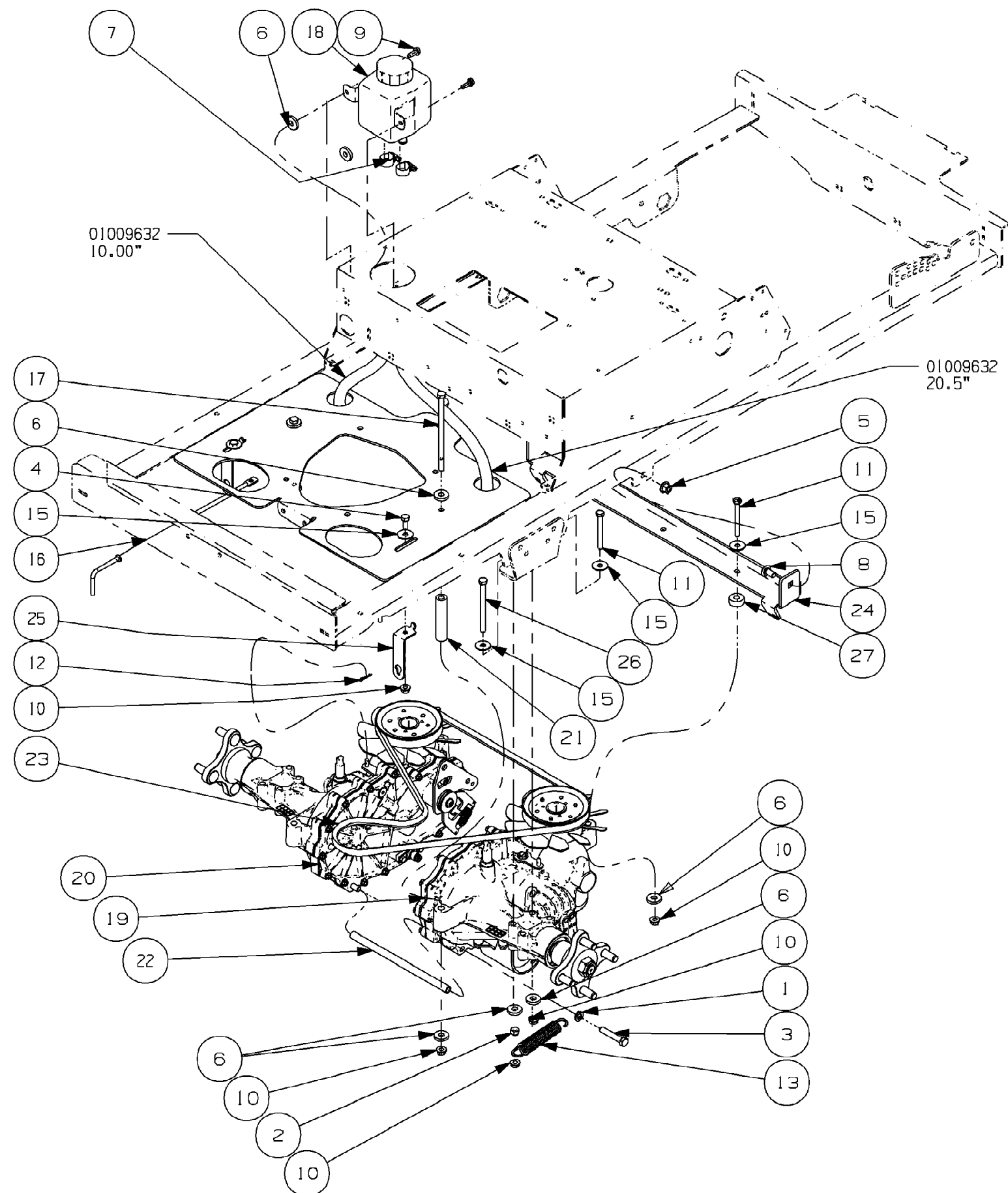
Z-Force 50 17AH3AGP
Deck Spindle Assembly 50 inch

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Ref #	Part Number	Qty	S/P/F	Description
1	748-3020	4	S	Blade Spacer
2	00011925	1		Hex Cap Screw, 3/8-16, 4.00
3	748-3065A	6	/P	Spindle Spacer
4	00022560	5		Hex Nut, 3/8-16, Flange Lock
5	00027279	1	S	Nut 7/16-14, Nylock
6	00060078	1	/P	Grease Fitting, 1/4-28 x 3/16
7	00083192	1		Idler Washer
8	01000387	1	S	Idler Spring
9	01000393	1	S	Flat Washer, .469 ID x .875 OD x .105
10	01000723	3	S	Flat Washer, .406 ID x 1.0 OD x .105
11	01001366	1		Hex Cap Screw 3/8-16 x 2.25
12	01002010	1	S	Carraige Screw, 3/8-16 x 1.25
13	01002564	1		Spacer, .76 ID x 2.00 OD x .477
14	750-3119	1	/P	Spacer .406 ID x 1.0 OD
15	01003245	1		Spacer, .39 ID x .625 OD x 2.75
16	01004081	1	S	Flat Pulley
17	01004101	1	S	Idler Pulley, 4.06 OD
18	01004118	1		Shoulder Screw, .50 x .27 Lg., 3/8-16
19	01005011	1	/P	V-Belt, Mower Drive
20	01005202	1		V-Pulley, 4.75 OD
21	01006535	3	S	V-Pulley, 5.0 OD
22	01006590	2		Hex Cap Screw 3/4-16 x 5.50
23	01008456	1		Spacer .760 ID x 1.5 OD
24	01008542	1		Hex Cap Screw, 3/4-16, 7.50
25	01008593	1		Idler Arm Assembly
26	01009253	1		Washer, 5/16-18
27	01009635	1		Extension Spring, .98 OD x 5.00
28	01010168	3	S	Hi-Lift Blade, 17.9
29	02000402	3		Nut, 3/4-16, Hex Flange
30	02000416	1	/P	Spring Tension Rod Assembly
31	02000653	1	/P	V-Belt, 1/2 x 90.9 LG
32	02000762	12		Self Tapping Screw 5/16-18 x 1.0
33	02001855	1	/P	Idler Arm Assembly, Top
34	02002356	1		Belt Guide
35	618-04426	3	S	Spindle Assembly
35	721-3018A	1	S	Seal, Oil Not shown
35	741-04089	1	S	Bearing, Cone Not shown
35	741-04091	1	S	Bearing, Cup Not shown
35	750-04409	1	/P	Spacer, Bearing Not shown
36	737-3000	1	S	Grease Fitting Drive Type
37	738-3172	1		Shoulder Screw .68 x 2.11

Z-Force 50 17AH3AGP
Drive Assembly

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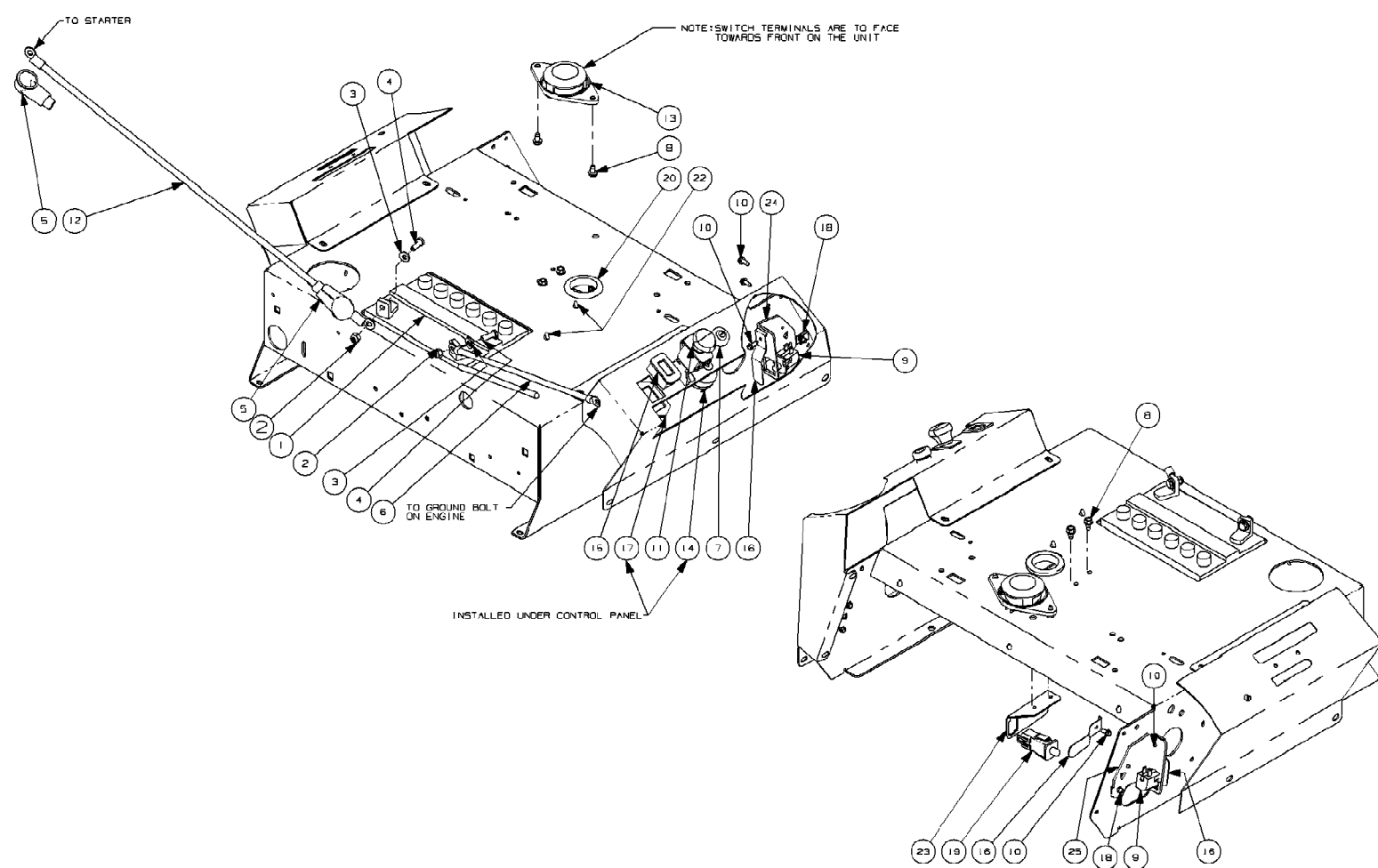
Z-Force 50 17AH3AGP
Drive Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	00012157	2	S	Lock Washer, 3/8 Zinc
2	00012165	2		Nylock Nut, 5/16-18
3	00012172	2		Hex Cap Screw, 3/8-16 x 2.00
4	00012179	2		Hex Cap Screw, 5/16-18 x 3/4
5	00022560	2		Nut, Flange Lock, 3/8-16
6	00083192	12		Idler Washer
7	02001111	4	/P	Hose Clamp
8	01000372	2	S	Carriage Bolt, 3/8-16
9	01000629	2	S	Self Tapping Screw, 1/4-20 x .75
10	01000635	10	S	Nut, Lock, HexFlange, 5/16-18
11	01001972	4		Hex Cap Screw, 5/16-18 x 2.75
12	01002771	2	S	Cotter Pin, .072 x 1.12 Lg
13	01002874	2		Extension Spring, .865 OD x 4.68 Long
14		1		Fuel Hose, .50 ID x .75 OD (30.5 in inches) purchase locally
15	01009937	8		Washer, 5/16 x 1.06
16	02001332	2		Pump Rod
17	02001556	2		Hex Cap Screw, 5/16-18 x 6.00
18	02001578	1	S	Hydraulic Tank
19	02002175	1	S	IZT Transmission, Right Hand
19	02002150	1	S	Filter not shown
20	02002176	1	S	IZT Transmission, Left Hand
20	02002150	1	S	Filter not shown
21	02002646	2		Spacer, .375 ID x .75 OD x 3.30
22	02002647	1		Transmission Support Tube
23	02002648	1		V-Belt, 58.4
24	02002978	1	S	Transmission Front Mounting Bracket
25	02002966	2	S	Neutral Bracket
26	02002974	2		Bolt, 5/16-18 x 4.00
27	750-3119	2	/P	Spacer .406 ID x 1.0 OD

Z-Force 50 17AH3AGP
Electrical Assembly Kohler

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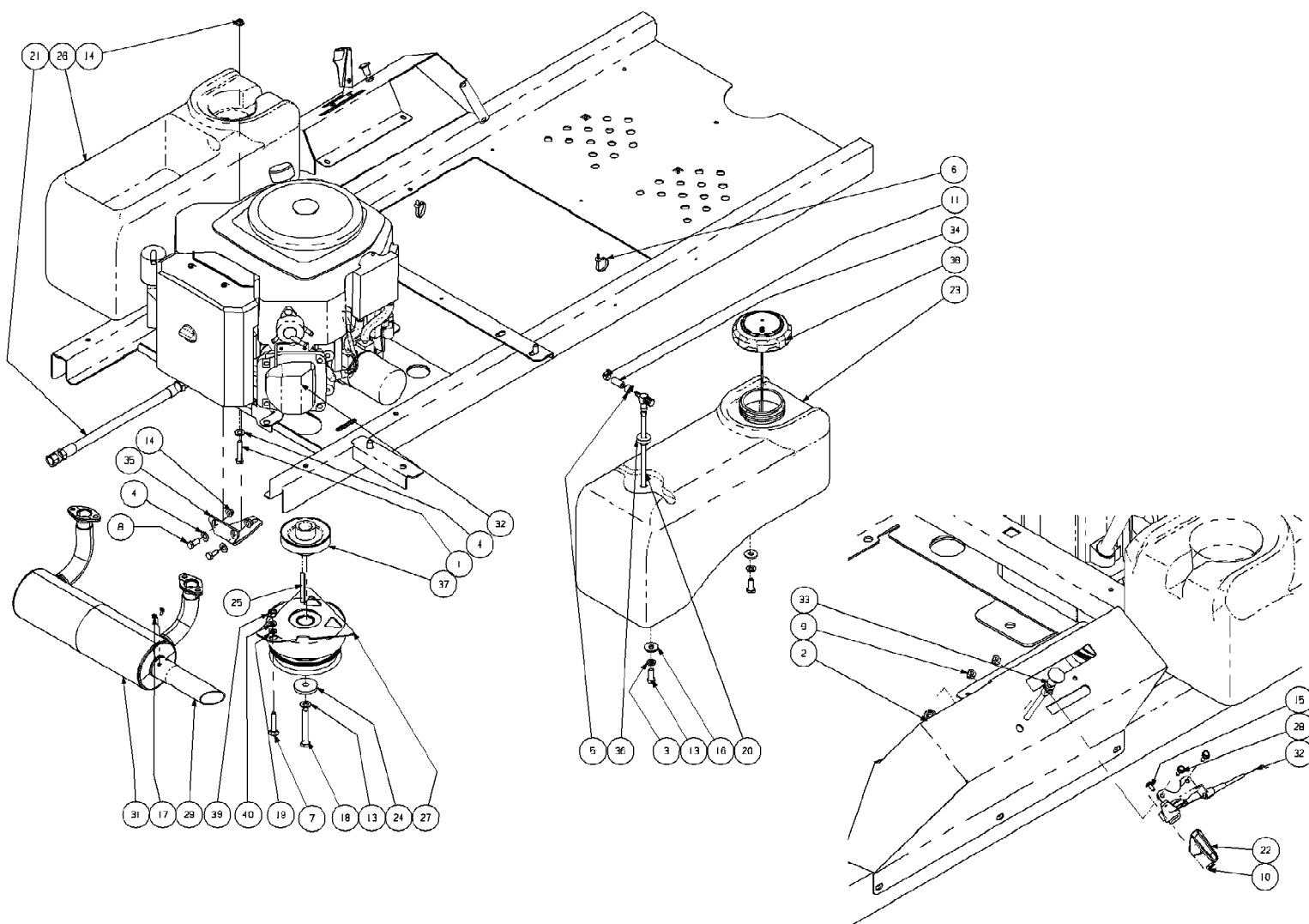
Z-Force 50 17AH3AGP
Electrical Assembly Kohler

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Ref #	Part Number	Qty	S/P/F	Description
1	00012032	1	S	Battery, 12V 225CCA 30Min
2	00012152	2		Lock Nut, Nylon Insert, 1/4-20
3	00012154	2		Flat Washer, 1/4
4	00013131	2		Hex Cap Screw, 1/4-20 x .75
5	00013258	2		Boot, 1" OD Rubber Battery-PST Red
6	00024233	1		Cable, Battery, Black, 17"
7	00032097	1		Nut, 5/8-32, w/Cap
8	01000628	4	S	Self Tapping Screw, 1/4-20 x 1/2
9	01001717	2		Normally Closed Safety Switch
10	01001864	7		Self Tapping Screw, 10-32 x 1/2
11	01002111	1		Electric PTO Switch
12	01002252	1		Cable, Battery, Red, 24"
13	01003277	1		Normally Closed Seat Switch
14	01003581	1	S	Switch, Ignition, 6 Pin
14	725-1341B	1	/P	Key, Ignition Not Shown
15	01007597	1	S	Hour Meter
16	01008042	3	S	Safety Switch Retainer Spring
17	01009905	1		PTO Switch Bracket
18	01009931	2		U-nut, 10-24
19	02000024	1	S	Switch, Safety N.O./N.C.
20	02001134	1		Gromment, 1.5 ID x 2.13 OD
22	02003038	2		Electrical Conduit Clip, 3/8
23	02003567	1	S	Brake Switch Mounting Bracket
24	02003926	1		Bracket, Safety Switch, Right Hand
25	02003927	1		Bracket, Safety Switch, Left Hand
	02002990	1		Harness Assembly Not Shown

Z-Force 50 17AH3AGP
Engine Assembly 23HP Kohler

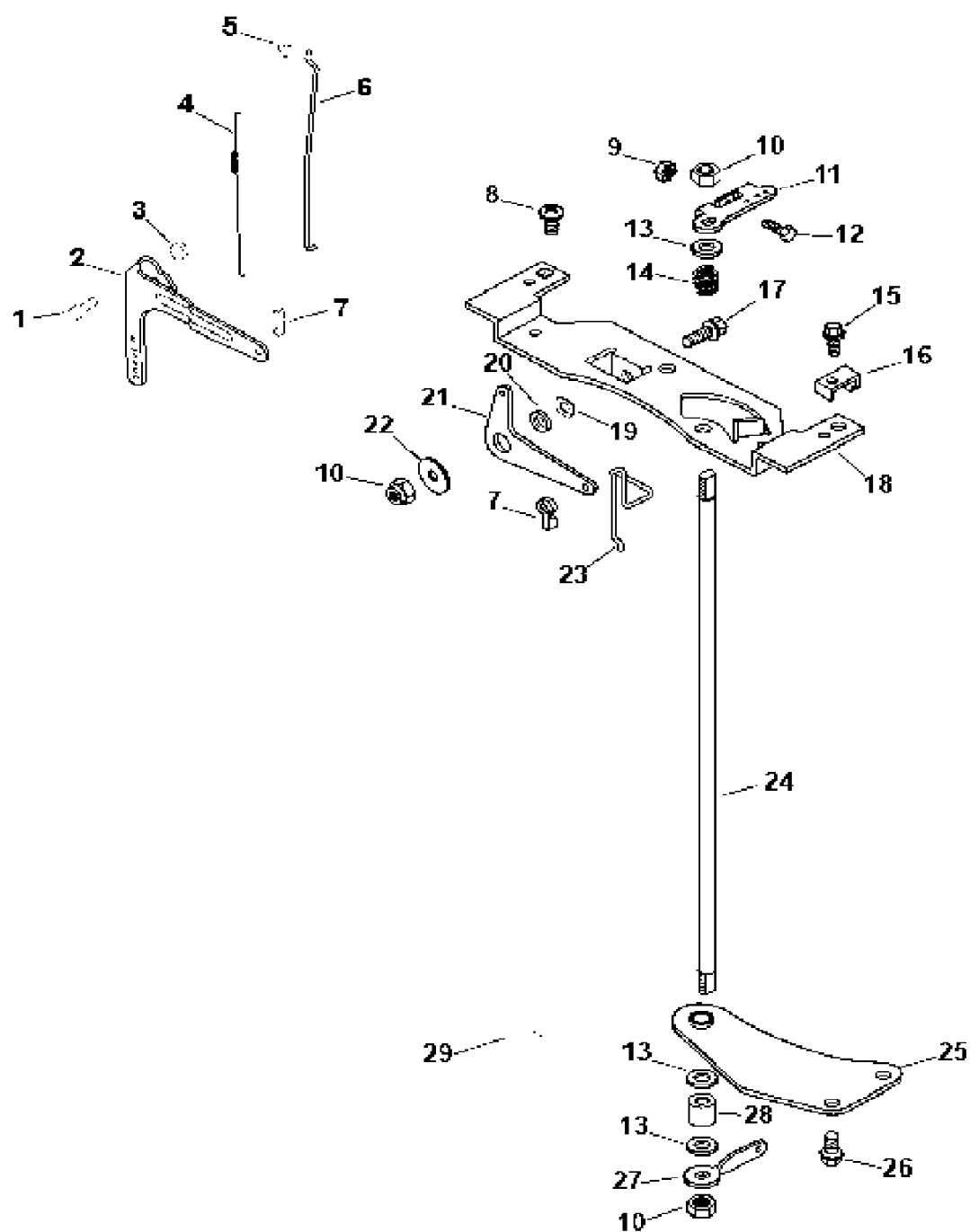
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Z-Force 50 17AH3AGP
Engine Assembly 23HP Kohler

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Ref #	Part Number	Qty	S/P/F	Description
1	00006129	4		Hex Head Cap Screw, 5/16-18 x 1-3/4
2	00011453	1		Hex Jam Nut, 3/8-24
3	00012157	8	S	Lock Washer, 3/8 Zinc
4	00012169	6		Flat Washer, 5/16
5	00012235	1		Clamp, Union
6	00012470	2	S	Cable Tie, 3/16 x .05 x 7.4
7	01000956	1	S	Carriage Bolt, 5/16-18 x 1.75
8	00013406	2		Hex Cap Screw, 5/16-18 x .75
9	00014608	2	/P	Lock Nut, Nylon Insert, 10-32
10	00060056	1		Nut, w/ Star Washer
11	01000215	1		Hose Clam, 1/4-5/8, SS
12	01000368	8	S	Hex Cap Screw, 3/8-16 x .88
13	01000389	1	S	Lock Washer, 7/16
14	01000635	6	S	Lock Nut, Hex Flange, 5/16-18
15	01000721	1	S	Machine Screw, 8-32 x .375
16	00083192	8		Flat Washer, .390 ID x 1.0 OD x .180
17	01000811	2	S	Screw, 8-32 x .375, Hex Washer
18	01000813	1	S	Hex Cap Screw, 7/16-20 x 3.0
19	01002710	1		Washer, 3/8 x .738 x .063
20	01003116	1		Fuel Pickup Fitting
21	01003283	1		Oil Drain Extension Hose
22	01004004	1	S	Throttle Control Knob
23	01004350	1		Fuel Tank
24	01005314	1	S	Flat Washer, 7/16 ID x 1.75 OD x .250
25	01007533	1		Key, 1/4 x 1/4 x 2.75
26	01008138	1	S	Utility Bin
27	01008434	1	S	Ogura DX11 Electric Clutch
28	01008531	2	S	Screw, #10-32 x 0.500
29	01008623	1		Exhaust Pipe
30	02000427	1	S	23HP Kohler Engine
31	02000456	1		Kohler Muffler
32	02000477	1		Throttle Control Cable
33	02000478	1		Choke Cable
34		1		Hose, 1/4" Fuel Line Purchase locally
35	02001994	1	S	Clutch Retainer Assembly
36	02002253	1	/P	Fuel Tank Groment
37	02003417	1	/P	Transmission Drive Pulley
38	02003809	1	S	Fuel Cap
39	00012166	1		Hex Nut, 5/16-18
40	00012168	1		Lock Washer, 5/16

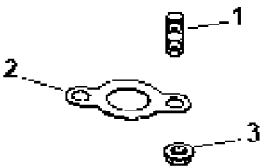


Z-Force 50 17AH3AGP
Engine Controls

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-24-211-03-S	1		Round Head Sq.Neck Bolt
2	KH-24-090-33-S	1	S	Governor Lever
3	KH-M-641060-S	1	/P	Nut
4	KH-24-089-01	1		Linkage Spring
5	KH-25-158-08	1	/P	Linkage Retainig Bushing
6	KH-24-079-04	1		Throttle Linkage
7	KH-25-158-11	1	/P	Linkage Retainig Bushing
8	KH-24-086-06	2		Screw
9	KH-M-446030-S	1	/P	Nut
10	KH-M-647060	3		Nut
11	KH-24-090-09	1		Throttle Control Lever
12	KH-M-401030	1	/P	Screw
13	KH-X-25-72	3		Washer
14	KH-24-089-20	1		Throttle Shaft Spring
15	KH-M-545016-S	2	/P	Screw
16	KH-12-237-01	2		Cable Clamp
17	KH-M-639016-S	2	/P	Hex Flange Screw
18	KH-24-126-111-S	1		Control Bracket
19	KH-277341-S	1		Washer
20	KH-25-431-01-S	1		Spacer
21	KH-24-090-20-S	1		Choke Lever
22	736-0173	1	/P	Washer
23	KH-24-079-10	1		Choke Linkage
24	KH-24-144-11	1		Throttle Shaft
25	KH-24-126-17	1	S	Throttle Shaft Bracket
26	KH-M-645016-S	1	/P	Screw
27	KH-24-090-12	1		Throttle Control Lever
28	KH-24-112-10	1		Spacer
29	KH-24-089-46-S	1		Governor Spring

Z-Force 50 17AH3AGP
Exhaust Stud and Engine



NOT ILLUSTRATED

	Complete Engine
	Miniblock
	Gasket Set

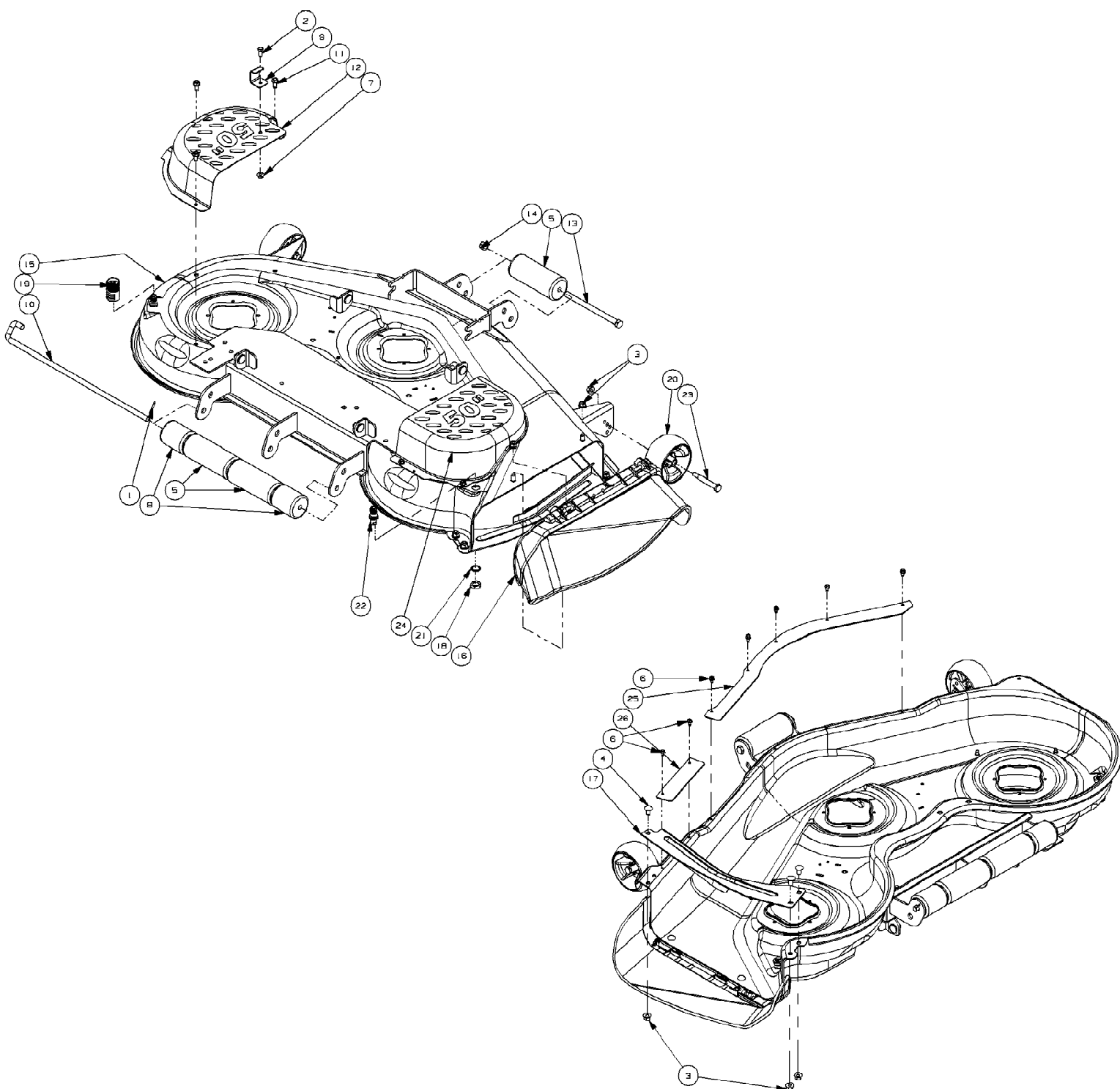
Z-Force 50 17AH3AGP
Exhaust Stud and Engine

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Ref #	Part Number	Qty	S/P/F	Description
	KH-25-072-04	4	/P	Stud (M8 x 1.25 x 33)
	KH-24-041-49-S	2	/P	Exhaust Gasket
	KH-M-0841080	4	S	Muffler Mounting Nut (M8 x 1.25)
	KH-PA-75592	1	S	Complete Engine (NOT ILLUSTRATED)
	KH-24-782-14	1		Miniblock (NOT ILLUSTRATED)
	KH-24-755-108-S	1		Gasket Set (NOT ILLUSTRATED)

Z-Force 50 17AH3AGP
Formed Cutter Deck 50 inch

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Deck Shown Upside Down

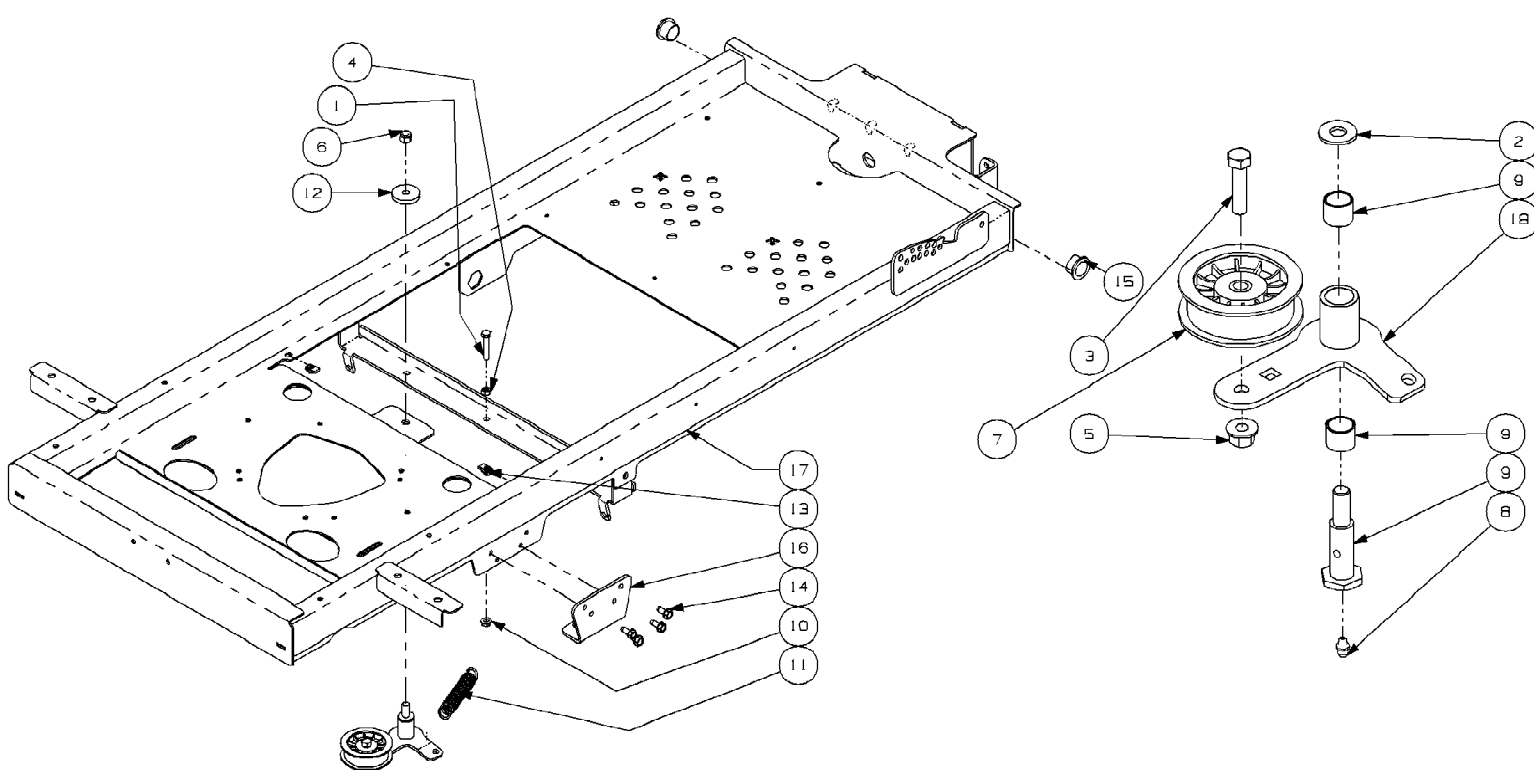
Z-Force 50 17AH3AGP
Formed Cutter Deck 50 inch

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Ref #	Part Number	Qty	S/P/F	Description
1	00003107	1		Cotter Pin .125 Dia x 1.0
2	00013406	1		Hex Cap Screw 5/16-18 x .75
3	00022560	7		Hex Nut, 3/8-16, Flange Lock
4	710-3178	5	/P	Carriage Bolt, 3/8-16 x .75
5	731-3005	3	/P	Front Roller
6	710-0599	7	/P	Screw, 1/4-20 x 1/2
7	712-3004A	1	/P	Lock Nut 5/16-18 Hex Flange
8	01001169	2		Grass Catcher Roller
9	01004109	1	/P	Tension Rod Stop Bracket
10	01004751	1	S	Rod, Rear Roller
11	01008620	6		Self Tapping Screw 5/16-18 x .750
12	02000465	1		Belt Cover Left Hand
13	01006961	1		Hex Cap Screw, 1/2-20 x 7.50
14	02002299	1		Nut, 1/2-20, Lock
15	02002769-4021	1	/P	Deck Assembly 50"
16	631-04070A	1	/P	Chute Assembly
17	703-3511A-0637	1	/P	Finger Guard
18	712-0641	2	S	Hex Nut, M16-1.5
19	921-04041	1	/P	Water Nozzle Adaptor
20	734-04155	2		Deck Wheel, 5.00 Dia.
21	936-0760	2	/P	Lock Washer, 17 x 23.8 x 1.95
22	737-04003D	2	/P	Deck Water Nozzle
23	738-3056	2	S	Shoulder Screw .498 x 1.53
24	02000467	1		Belt Cover Right Hand
25	783-04414A-0637	1	/P	Skirt, Center, 50"
26	783-04415-0637	1	/P	Skirt, Right Hand, 50"

Z-Force 50 17AH3AGP
Frame Assembly

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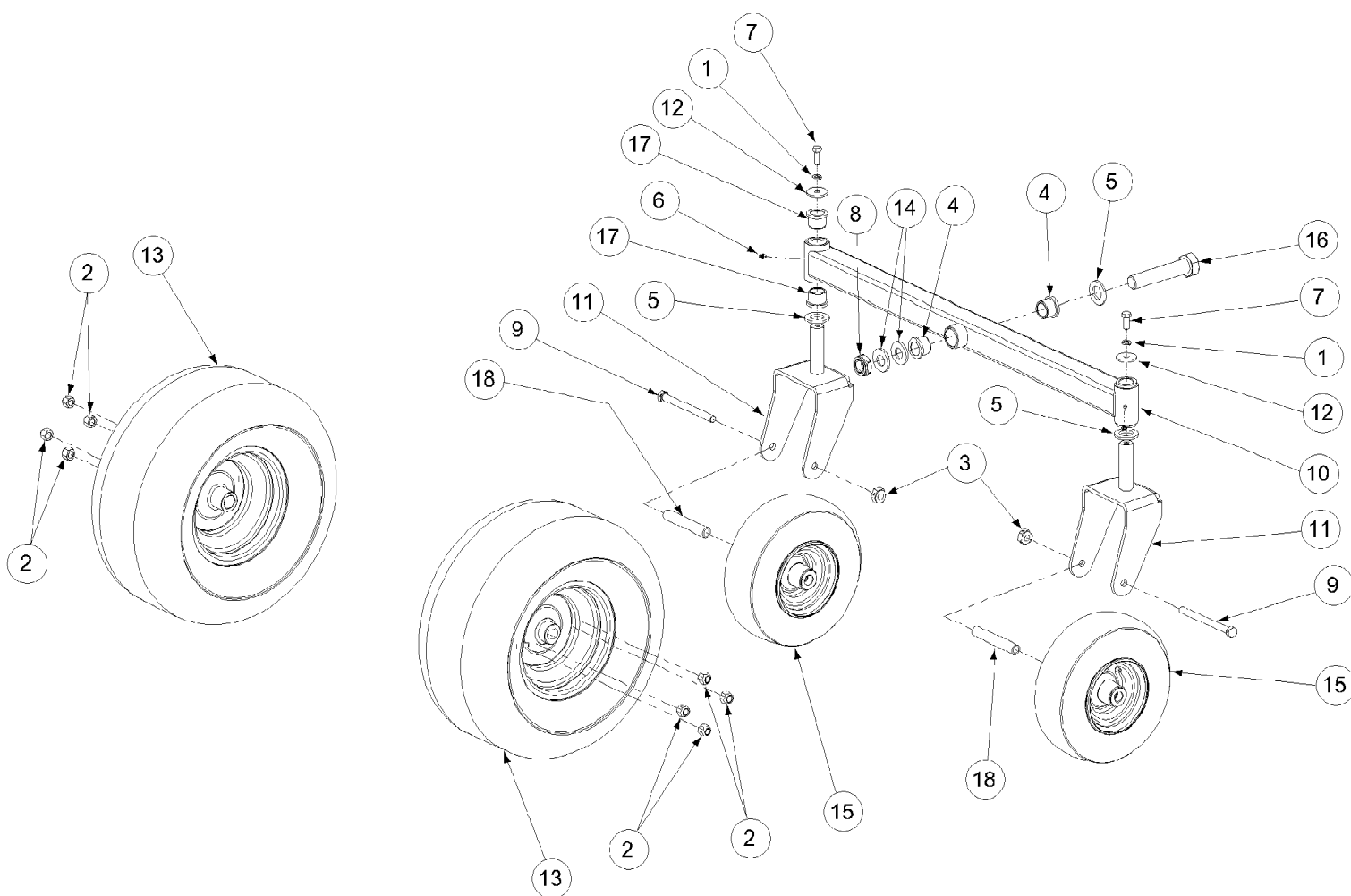
Z-Force 50 17AH3AGP
Frame Assembly

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Ref #	Part Number	Qty	S/P/F	Description
1	00006129	1		Hex Cap Screw, 5/16-18 x 1-3/4
2	00006168	1		Flat Washer, 3/8 zinc
3	00011438	1		Hex Cap Screw, 3/8-16 x 1-1/2
4	00012166	1		Hex Nut, 5/16-18
5	00022560	1		Hex Nut, 3/8-16 Flange Lock
6	00027279	1	S	Nylock Nut, 7/16-14
7	00030782	1	S	Flat Idler Pully w/ adaptor
8	00060078	1	/P	Grease Fitting, 1/4-28 x 3/16
9	01000505	1	S	Shoulder Bolt
10	01000635	9	S	Nut, 5/16-18, Hexflange Lock
11	01002874	1		Extension Spring, .865 OD x 4.68 lg
12	01003269	1		Flat Washer, 7/16 ID x 1.75 OD
13	01008539	2	S	U-Nut, 1/4-20
14	01008620	8		Self Tapping Screw 5/16-18 x .750
15	02002628	2		Bronze Bushing, .875 ID x 1.50 OD
16	02002670	2	S	Transmission Mounting Bracket
17	02002672	1		Frame Assembly Weldment
18	02003641	1		Idler Arm Assembly includes:
	01000308	2		Bearing Sleeve

Z-Force 50 17AH3AGP
Front Caster & Tire Assembly 50 inch

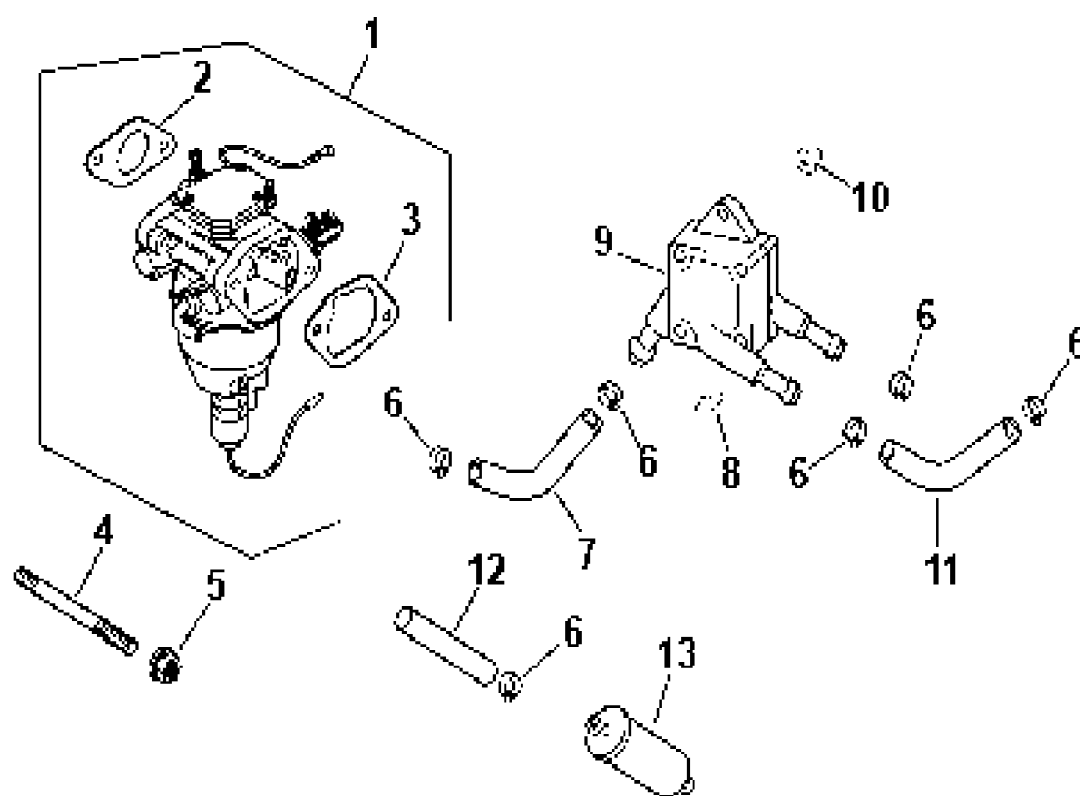
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Z-Force 50 17AH3AGP
Front Caster & Tire Assembly 50 inch

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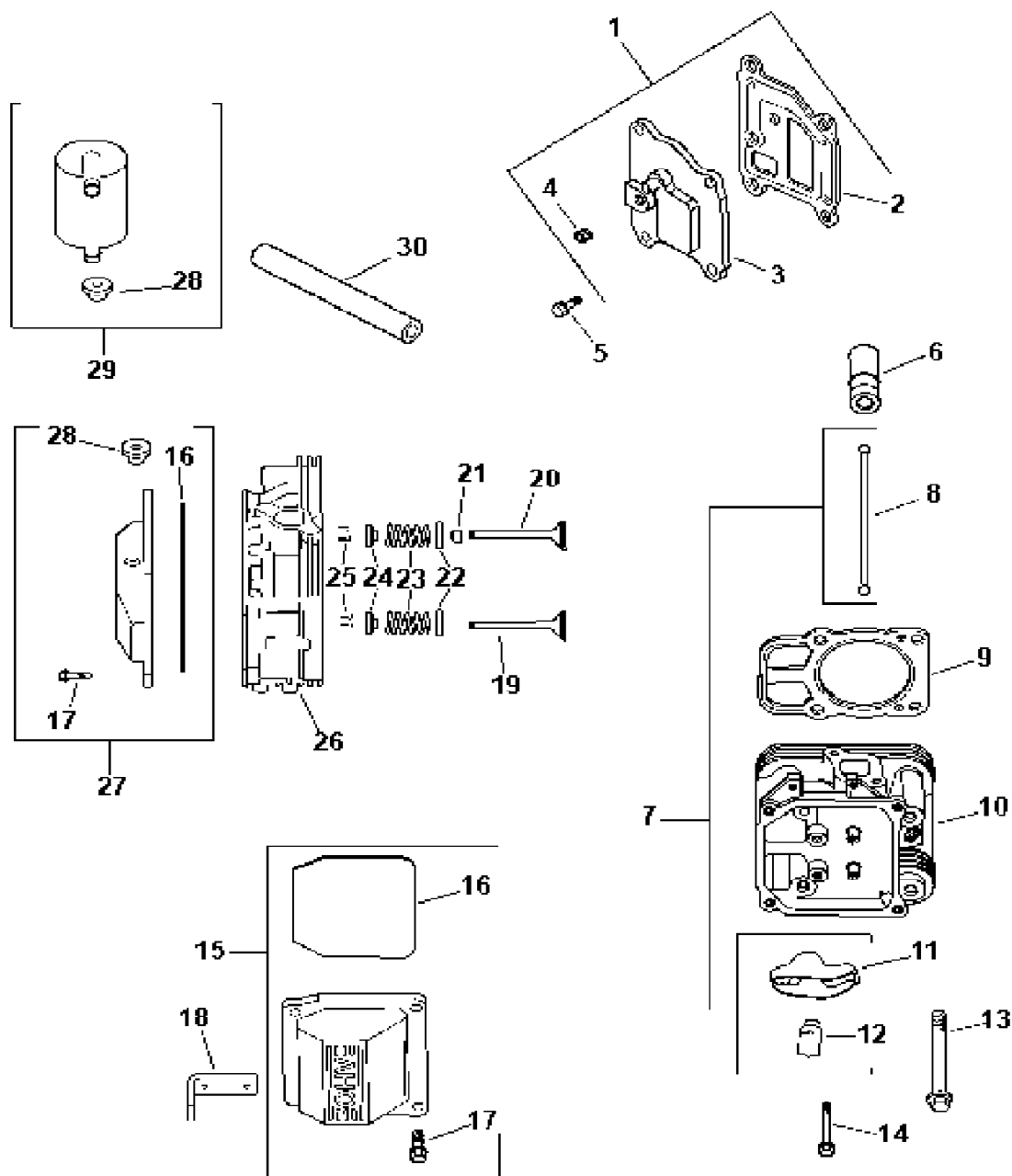
Ref #	Part Number	Qty	S/P/F	Description
1	00012157	2	S	Lock Washer, 3/8 Zinc
2	00012187	8		Lug Nut, 1/2-20
3	00023287	2		Nut, 1/2-20, Center Lock
4	00023793	2		Flange Bearing, 1.013 ID
5	00023822	3		Washer Special
6	00060078	2	/P	Grease Fitting, 1/4-28 x 3/16
7	01000368	2	S	Hex Cap Screw, 3/8-16 x .88
8	01000678	1	S	Nut Jam, 1.0-14, Nylon Insert
9	01000745	2	S	Hex Cap Screw, 1/2-20 x 5.50
10	02000616	1	S	Front Axle Assembly
11	02000613	2	S	Castor Wheel Mounting Bracket
12	01009253	2		Flat Washer, .390 x 1.5 x .134
13	01009828	2		Wheel Assembly, 18 x 9.5
14	02000588	2		Flat Washer, 1.00 ID x 2.25 OD x .075
15	02003488	2		Wheel Assembly, 11 x 4 - 4, Beige
15	02002107	1		Front Retainer Bushings not shown
15	02002106	1		Front Roller Bearings not shown
16	02003804	1		Hex Cap Screw, 1-14 x 5.5
17	731-0374	4	S	Flange Bearing, 1.0 ID
18	750-3197A	2	/P	Wheel Spacer



Z-Force 50 17AH3AGP
Fuel System

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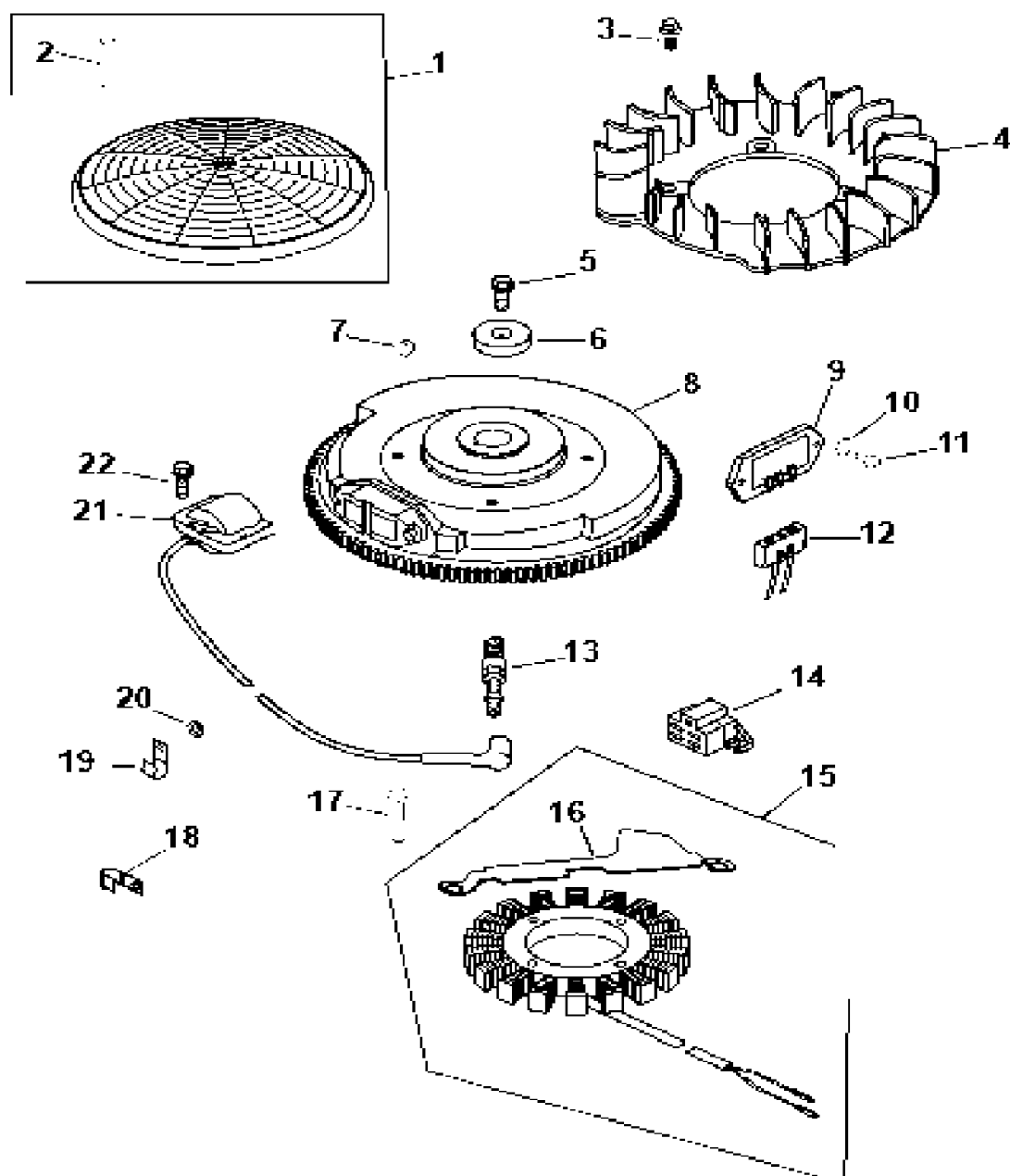
Ref #	Part Number	Qty	S/P/F	Description	
1	KH-24-853-61-S	1	S	Carburetor w/Gaskets	
2	KH-24-041-52-S	1	/P	Carburetor Gasket	
3	KH-24-041-14	1	/P	Air Cleaner Base Gasket	
4	KH-M-629095-S	1		Intake Manifold Stud	
5	KH-M-641060-S	2	/P	Nut	
6	KH-25-237-14-S	6	/P	Hose Clamp	
7	KH-52-353-22-S	1		Fuel line 12.5"	
8	KH-24-086-12	2		Screw	
9	KH-24-393-16	1	/P	Fuel Pump	
10	KH-24-100-01	2		Plastic Nut	
11	KH-24-353-12	1		Fuel Line 11"	
12	KH-25-353-15	1		Fuel Line 3.5"	
13	KH-24-050-10-S	1	S	Fuel Filter	
	KH-24-757-38-S	1		Gasket Kit	(NOT ILLUSTRATED)
	KH-24-757-36-S	1		Choke Repair Kit w/Gaskets	(NOT ILLUSTRATED)
	KH-24-757-44-S	1		Float Kit	(NOT ILLUSTRATED)
	KH-24-757-45-S	1	/P	Solenoid Replacement Kit	(NOT ILLUSTRATED)
	KH-24-757-46-S	1	/P	Overhaul Kit w/Gaskets	(NOT ILLUSTRATED)



Z-Force 50 17AH3AGP
Head and Valve and Breather

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-24-033-03	1		Breather Cover Kit
2	KH-24-041-51-S	1	S	Brather Gasket
3	KH-24-096-87-S	1		Breather Cover
4	KH-25-139-60-S	1	/P	1/8" Pipe Plug
5	KH-M-645020-S	4	/P	Hex Flange Screw
6	KH-25-351-01	4	S	Valve Lifter
7	KH-24-755-66	1	/P	Valve TrainKit
8	KH-24-411-05	4	/P	Push Rod
9	KH-24-841-02-S	2	/P	Cylinder Head Gasket
10	KH-24-318-70-S	1	S	Cylinder Head Assembly #2
11	KH-25-186-01	4	/P	Rocker Arm
12	KH-24-599-01	4	S	Rocker Arm Pivot
13	KH-12-086-16	8	S	Hex Flange Screw
14	KH-66-086-07-S	4	S	Rocker Arm Pivot Screw
15	KH-24-755-141-S	1	/P	Rocker Cover Kit
16	KH-24-153-28-S	2	S	O-Ring
17	KH-M-651030-S	4		Hex Flange Screw
18	KH-24-445-01-S	1		Lifting Strap
19	KH-24-016-01	2	/P	Exhaust Valve
	KH-24-016-02	2		Exhaust Valve (.25)
20	KH-24-017-01	2	/P	Intake Valve
	KH-24-017-02	2		Intake Valve (.25)
21	KH-66-032-05-S	2	/P	Valve Stem Seal
22	KH-235011-S	4	/P	Retainer
23	KH-24-089-02	4	/P	Valve Spring
24	KH-12-173-01	4	/P	Valve Spring Retainer
25	KH-12-755-03	8	/P	Retainer Kit
26	KH-24-318-67-S	1	S	Cylinder Head Assembly #1
27	KH-24-755-142-S	1	/P	Rocker Cover (Separator) Kit
28	KH-25-313-03-S	1	/P	Rubber Grommet
29	KH-24-755-57-S	1	/P	Breather Separator Kit
30	KH-24-326-55-S	1	S	Breather Hose
	KH-24-755-147-S	2		Cylinder Head Hardware Kit (NOT ILLUSTRATED)



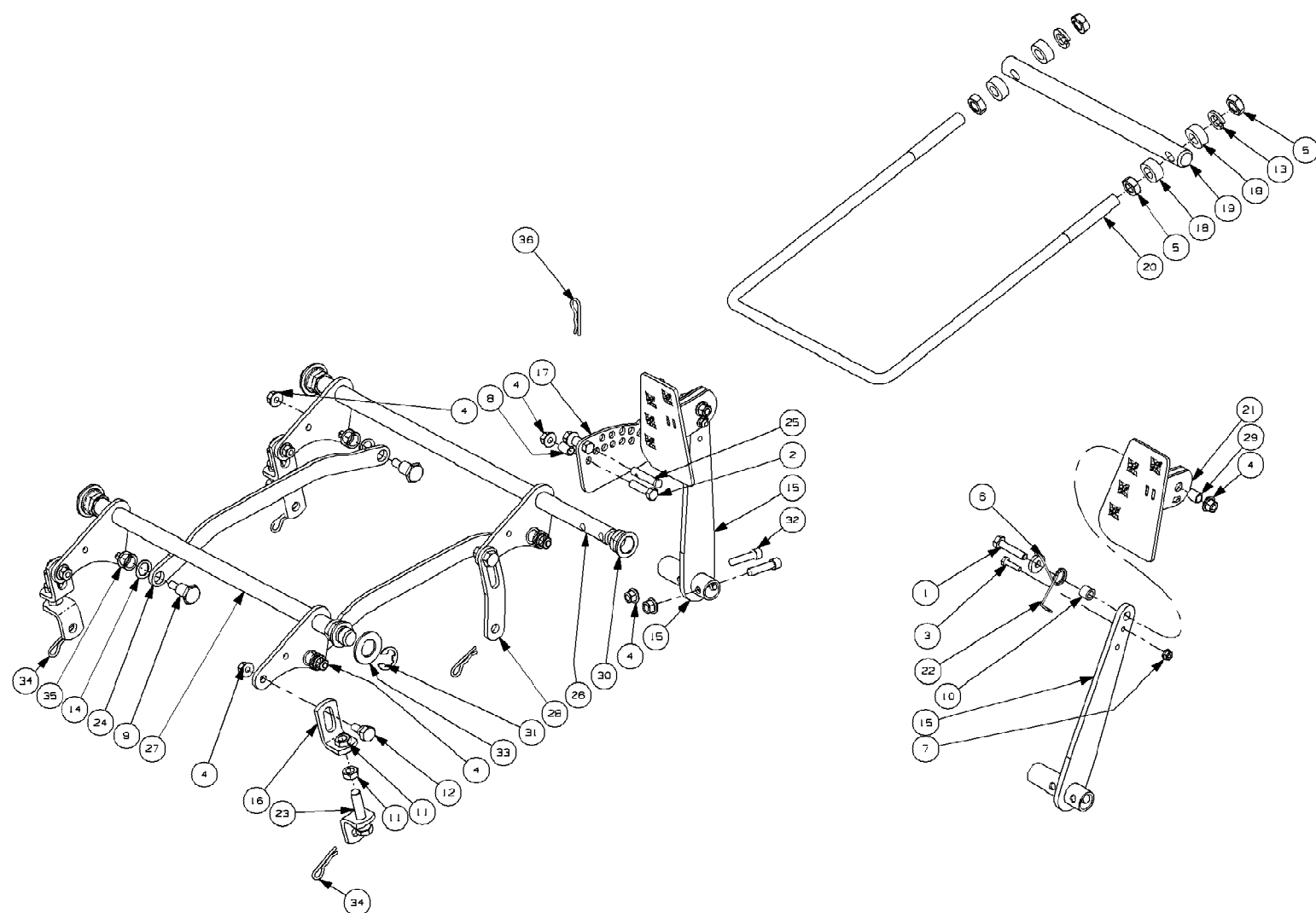
Z-Force 50 17AH3AGP
Ignition and Electrical

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-54-755-15	1	/P	Grass Screen Kit
2	KH-25-086-117-S	4		Sems Screw
3	KH-25-086-47	4	/P	Shoulder Bolt
4	KH-24-157-08-S	1		Fan
5	KH-12-086-14	1		Hex Flange Screw
6	KH-12-468-03	1	/P	Washer
7	KH-X-42-15	1	/P	Key
8	KH-24-025-04	1	S	Flywheel
9	KH-41-403-09	1	S	Regulator Rectifier
10	KH-X-25-92	2		Washer
11	KH-24-086-18	2		Hex Head Screw
12	KH-236602-S	1	S	Connector
13	759-3336	2	/P	Spark Plug
14	KH-25-155-06	1		Connector
15	KH-54-755-09-S	1	S	15 amp Stator
16	KH-24-126-139-S	1		Stator Wire Bracket
17	KH-M-548025-S	2	/P	Hex Head Screw
18	KH-235173	1		Cable Clip
19	KH-48-154-02	1		Clip
20	KH-X-25-63	1	/P	Washer
21	KH-24-584-01	2	S	Ignition Module
22	KH-M-545020-S	4		Screw
	KH-24-126-137-S	1		Ground Strap Bracket (NOT ILLUSTRATED)
	KH-25-468-07-S	1		Flat Washer (NOT ILLUSTRATED)
	KH-24-176-41	1		Wiring Harness (NOT ILLUSTRATED)
	KH-24-176-112-S	1	S	Wiring Harness (NOT ILLUSTRATED)
	KH-25-518-34-S	1	/P	Lead (NOT ILLUSTRATED)
	KH-24-113-18-S	1		Grass Screen Decal (NOT ILLUSTRATED)
	KH-25-454-03-S	2		Tie (NOT ILLUSTRATED)
	KH-25-454-05-S	1		Tie (NOT ILLUSTRATED)

Z-Force 50 17AH3AGP
Lift Assembly

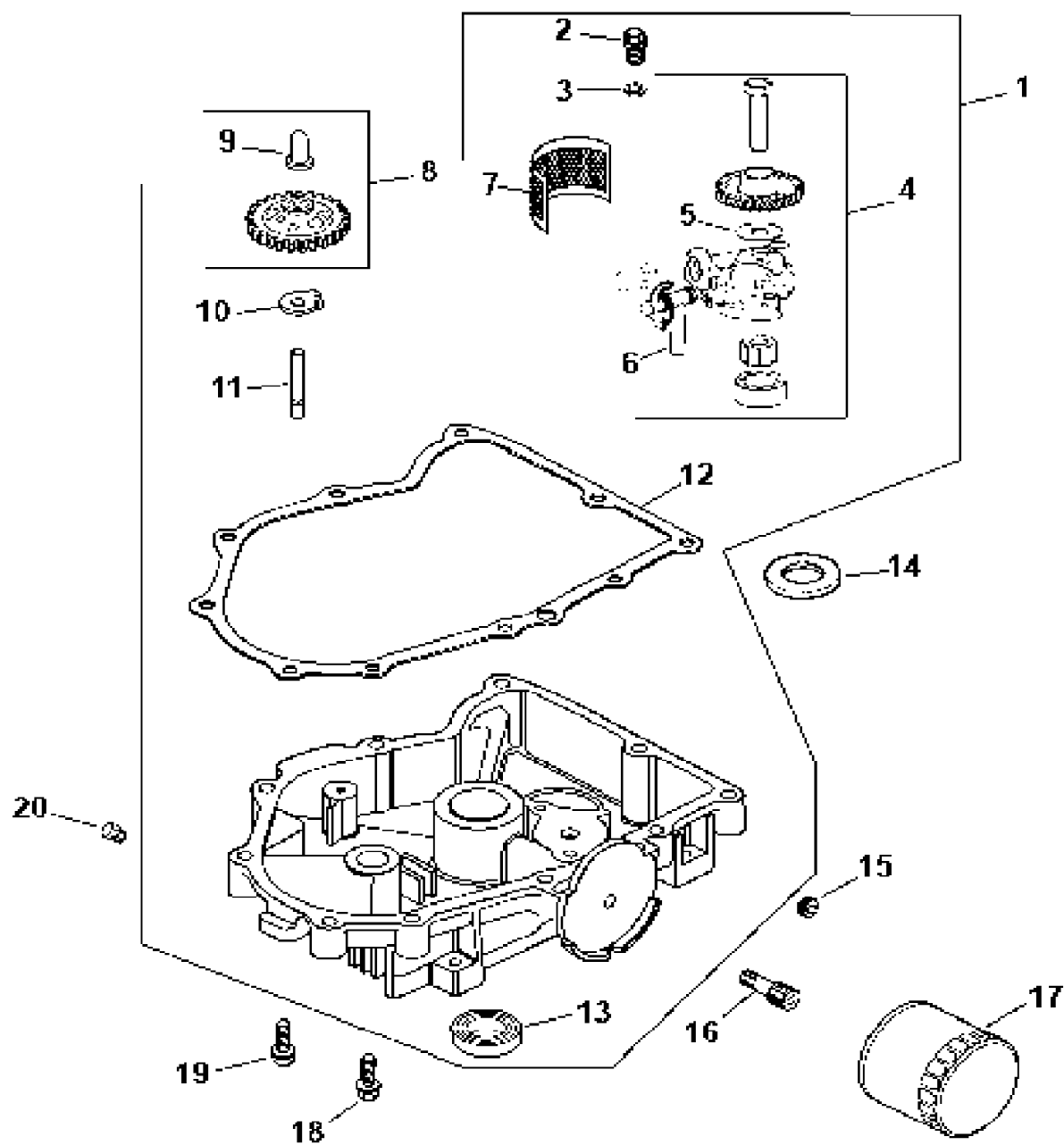
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Z-Force 50 17AH3AGP
Lift Assembly

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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	00035632	4	S	Jam Nut, 5/8-11
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	02002377	1	S	Foot Lift Pivot Assembly
16	02002382	3		Deck Lift Bracket
17	02002612	1		Index Plate
18	02003751	4		Spacer, .635 ID x 1.188 OD x .406
19	02004227	1		Trail Link Pivot Rod
20	02002879	1		Front Lift Rod
21	02002881	1	S	Foot Pedal Assembly
22	02002882	1		Foot Lift Torsion Spring
23	02002890	3		Lower Lift Bracket Assembly
24	02002893	2		Lift Link
25	02002907	1		Clevis Pin, .375 x 1.89 x 2.125
26	02002915	1		Front Shaft Assembly
27	02002916	1		Rear Shaft Assembly
28	02002979	1		Link Plate
29	02003436	1		Spacer, .380 ID x .500 OD x .605
30	02003685	4		Hex Flange Bearing, .875 ID
31	02003716	3		E Clip, .875 Dia.
32	02003717	2		Sockethead Capscrew, 3/8-16 x 1.50
33	02003720	3		Flat Washer, .94 x 1.75 x .11
34	02000673	4		Hair Pin
35	750-0547	4		Spacer, .628 ID x .875 OD x .500
36	00021956	1		Hair Pin



Z-Force 50 17AH3AGP
Oil Pan and Lubrication

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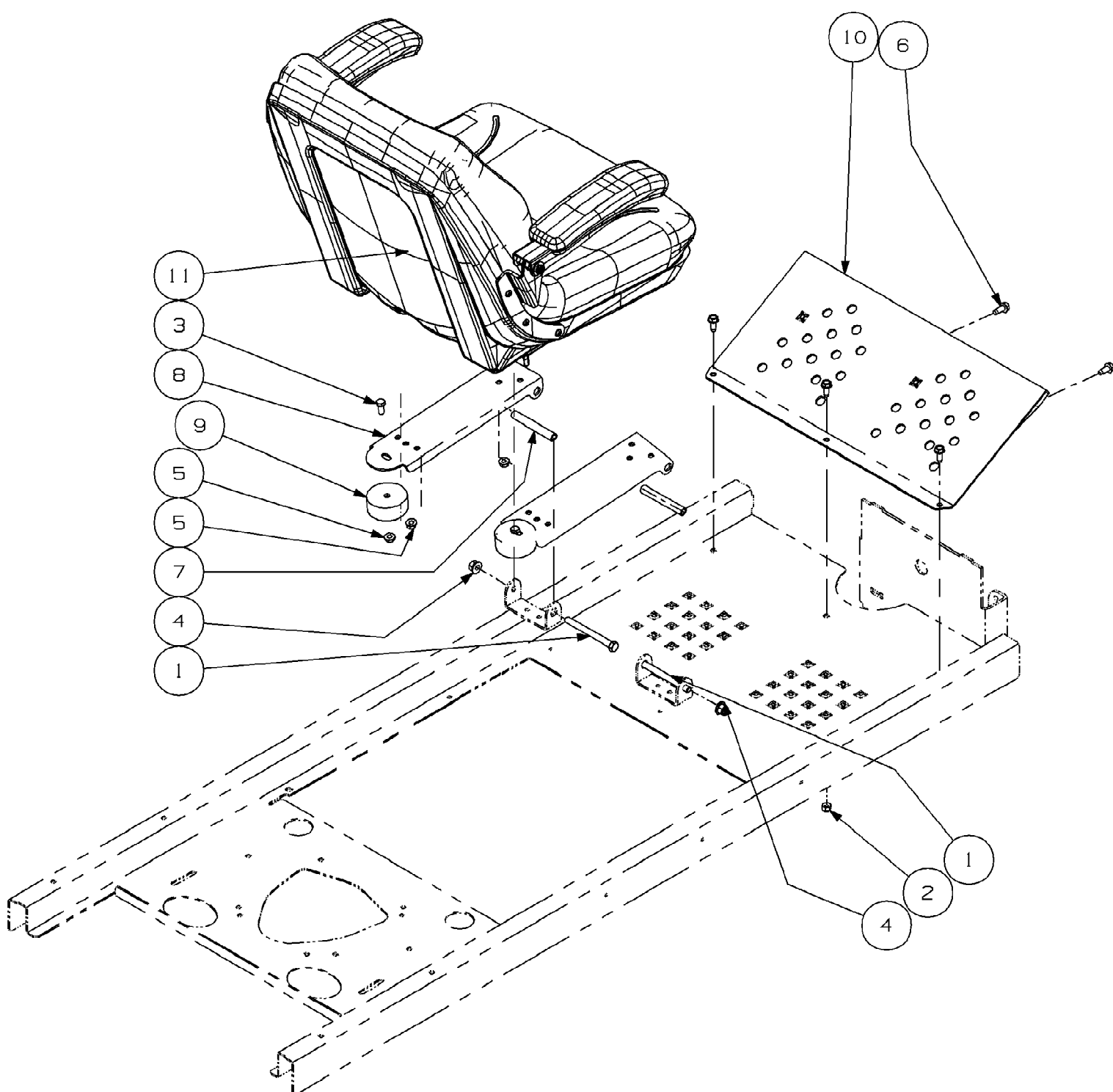
Ref #	Part Number	Qty	S/P/F	Description
1	KH-24-199-21-S	1		Oil Pan w/Gasket Kit
2	KH-M-645025-S	2	/P	Screw
3	KH-M-631005	2	/P	Washer
4	KH-24-393-37-S	1	S	Oil Pump Kit
5	KH-24-153-01	1	/P	O-Ring
6	KH-24-381-11-S	1		Oil Pickup Tube
7	KH-24-162-26-S	1		Oil Screen
8	KH-24-043-12	1	/P	Governor Gear w/Pin Kit
9	KH-12-380-01	1	/P	Pin
10	KH-24-448-02-S	1		Locking Tab
11	KH-12-144-02	1		Governor Gear Shaft
12	KH-24-041-54-S	1	/P	Oil Pan Gasket
13	KH-52-032-08-S	1	S	Seal
14	KH-24-422-03-S	1		Thrust Shim
15	KH-25-139-62-S	1	/P	Pipe Plug
16	KH-24-136-01	1		Oil Filter Nipple
17	KH-12-050-08	1	S	Oil Filter
18	KH-24-086-17-S	1	/P	Hex Flange Screw
19	KH-24-086-16-S	9	S	Hex Flange Screw (M6 x 1.0 x 25)
20	KH-52-139-02	1	/P	Plug



Z-Force 50 17AH3AGP
Quick Reference

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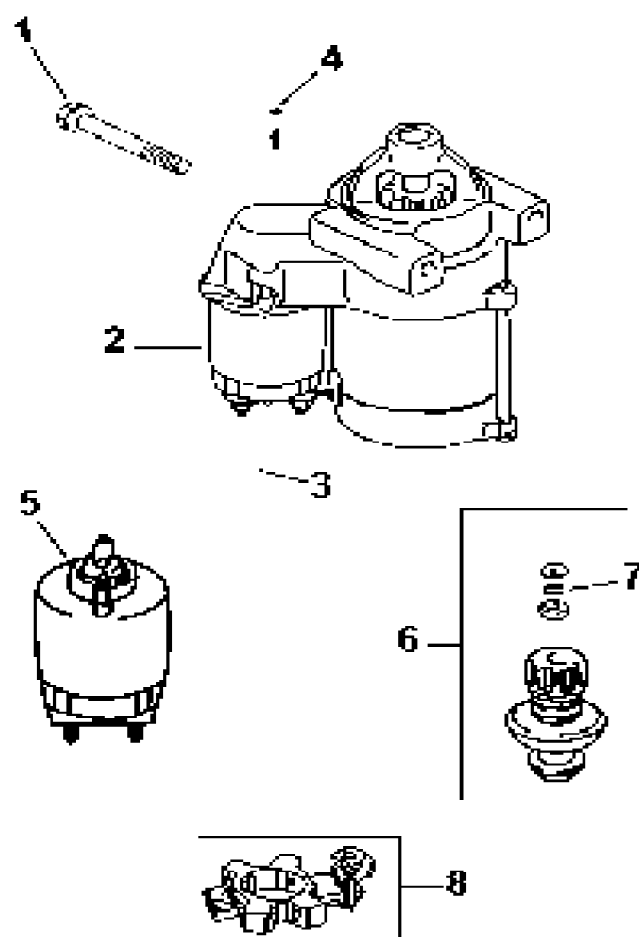
Ref #	Part Number	Qty	S/P/F	Description
	759-3336	1	/P	Spark Plug
	KH-24-883-03-S1	1	/P	Air Filter & Pre-Cleaner
	N/A	1		Pre Filter
	N/A	1		Air Filter
	KH-12-050-01-S	1	/P	Oil Filter
	KH-24-050-10-S	1	S	Fuel Filter
	KH-24-584-45-S	1	/P	Ignition Module
	KH-41-403-09	1	S	Voltage Regulator
	KH-24-393-16	1	/P	Fuel Pump
	KH-24-757-46-S	1	/P	Carb Kit
	KH-24-757-45-S	1	/P	Carburetor Solenoid
	02002648	1		Drive Belt (Trans)
	01005011	1	/P	P.T.O. Belt
	02000653	1	/P	Deck Belt
	01010168	3	S	Blades
	02000402	1		Blade Nut
	618-04426	1	S	Spindle Housing with bearings and seals
	01008542	1		Spindle Bolt (Center)
	01006590	1		Spindle Bolt (Outside)
	734-04155	1		Deck Wheels
	731-3005	1	/P	Roller (Front & or Back)
	01001169	1		Roller (Back) (Qty. 2)
	721-04041	1	S	Water Nozzle Adapter
	02003809	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
	737-3030A	1	/P	Engine Oil
	KH-25-357-05-S	1	S	Engine Oil
	02002058	1		Transmission Fluid



Z-Force 50 17AH3AGP
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	00012165	3		Nylock Nut, 5/16-18
3	00013406	2		Hex Cap Screw, 5/16-18 x .75
4	00022560	2		Flange Lock Hex Nut, 3/8-16
5	01000635	6	S	Nut, 5/16-18, Hex Flange Lock
6	01008620	5		Self Tapping Screw 5/16-18 x .750
7	01009872	2		Spacer, .370 ID x .500 OD x 3.45
8	02002747	2	S	Seat Mounting Bracket
9	02002952	2		Bumper, 2.50 OD x 1.13 Long
10	02002961	1	S	Foot Rest Bracket
11	02002975	1	S	Seat
11	02002255	1		Armrest Kit not shown
11	710-3256	6	/P	Screw, Button Head 1/4-20 x .50 not shown



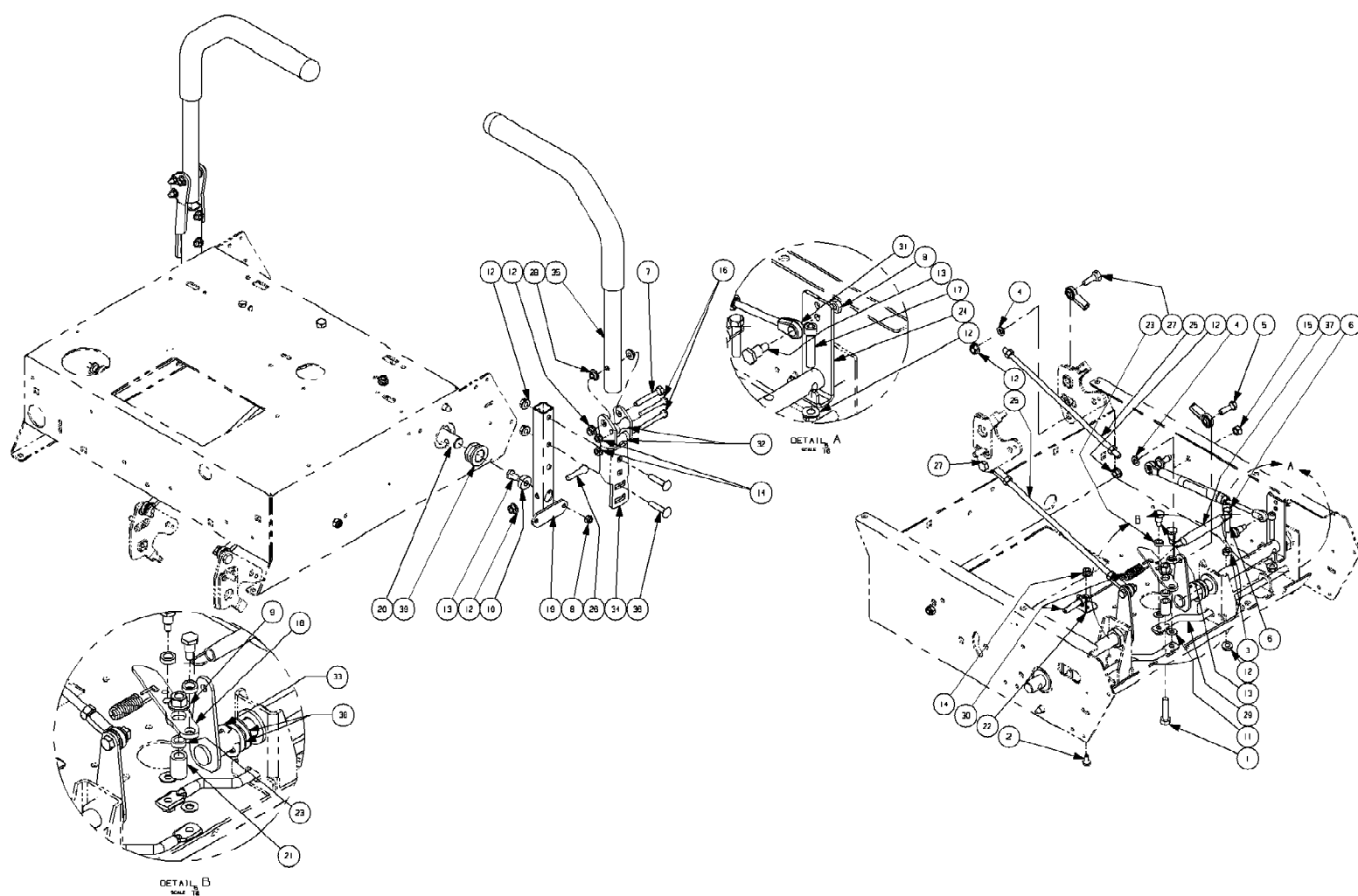
Z-Force 50 17AH3AGP
Starting System

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Ref #	Part Number	Qty	S/P/F	Description
1	KH-M-839080	2	S	Hex Flange Screw (M8 x 1.25 x 80)
2	KH-M-0841080	1	S	Hex Flange Nut (M8 x 1.25)
3	KH-25-098-09-S	1	S	Solenoid Shift Starter
4	KH-25-086-113-S	3		External Torx Head Screw
5	KH-25-435-05-S	1	S	Solenoid Kit
6	KH-25-755-33-S	1		Starter Pinion Kit
7	KH-25-141-05-S	1		Ring
8	KH-25-221-01-S	1		Brush Kit

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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	00012133	1	S	Hex Cap Screw, 1/4-20 x 1/2
3	00012166	1		Hex Nut, 5/16-18
4	00012169	4		Flat Washer, 5/16
5	00012180	2		Hex Head Cap Screw, 5/16-18 x 1.00
6	00012382	1		Hex Cap Screw, 5/16-18 x 1-1/2
7	00013198	2		Hex Cap Screw, 5/16-18 x 2.00
8	00014081	4	S	Nut, 1/4-28, SS, Nylon Insert
9	00022560	1		Nut, Flange Lock, 3/8-16
10	00071691	2		Control Rod Spacer
11	01000600	2	S	Flat Washer, 1.4 x .630 x .0515
12	01000635	15	S	Nut, 5/16-18, Lock
13	01001919	6		Shoulder Screw, 1/4-28
14	01002766	6	S	Nut, 1/4-20, Hex Flange Lock Nut
15	01003561	2		Nut, Hex, Center Lock, M8
16	01006898	4		Hex Cap Screw, 1/4-20 x 2.00
17	01008600	2		Capscrew, 5/16-18 x 1.50, Socket Head
18	02002684	1		Brake Lever Plate
19	02002688	2	S	Pivot Bracket Weldment
20	02002723	2		Steering Input Shaft Assembly
21	02002844	1		Spacer, .385 ID x .625 OD x .869
22	02002864	1		Brake Cable Mounting Bracket
23	02002885	3		Spacer, .380 x .563 x .196
24	02002908	2		Damper Mounting Bracket
25	02002992	2		Steering Link Rod
26	02002994	2		Socket Head Capscrew, 5/16-18 x 1.25
27	02003041	2		Shoulder Bolt, .4375 x .1345 x 1.00
28	02003419	4		Bushing, .310 x .172 x .688 x .06
29	02003560	2		Control Lock Rod
30	02003568	1		Control Cable Lock Out
31	02003622	2		Cylinder Return to Neutral
32	02003644	4		Spacer, .25 ID x .38 OD x 1.13
33	02003716	2		Retainer Ring, E-Clip
34	02003854	2	S	Lapbar Pivot Bracket
35	02003855	2	/P	Lapbar Assembly includes:
35	02003857	1	S	Control Handle Pivot Tube not shown
35	02002662	1		Grip, 1.0 not shown
36	710-0262	4	/P	Carriage Bolt, 5/16-18 x 1.50
37	732-0470A	1	S	Extension Spring, .53 OD x 4.7
38	736-0287	4	S	Flat Washer, .793 ID x 1.24 OD x .060
39	741-0598	4	S	Hex Flange Bearing, .752 ID