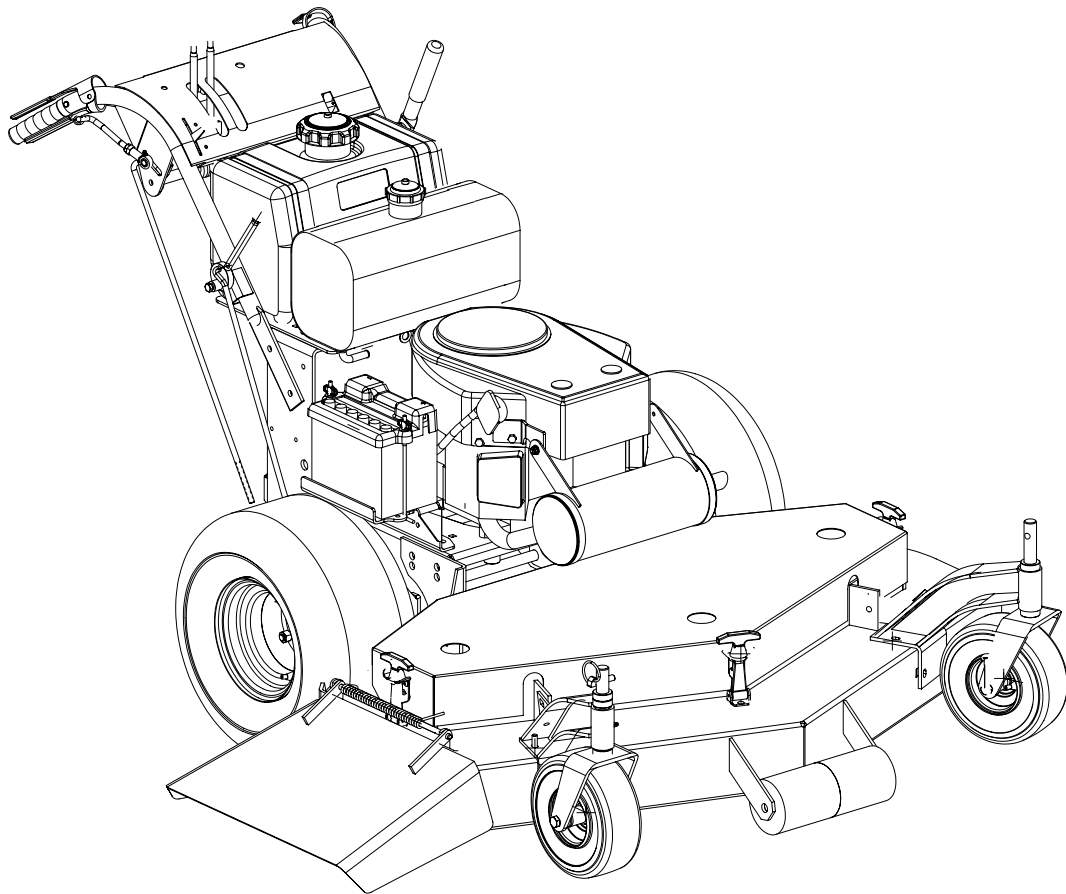




36", 48", 52"
**Hydrostatic Walk-Behind
Commercial Rotary Mowers**

*Standard
Professional Turf Equipment*



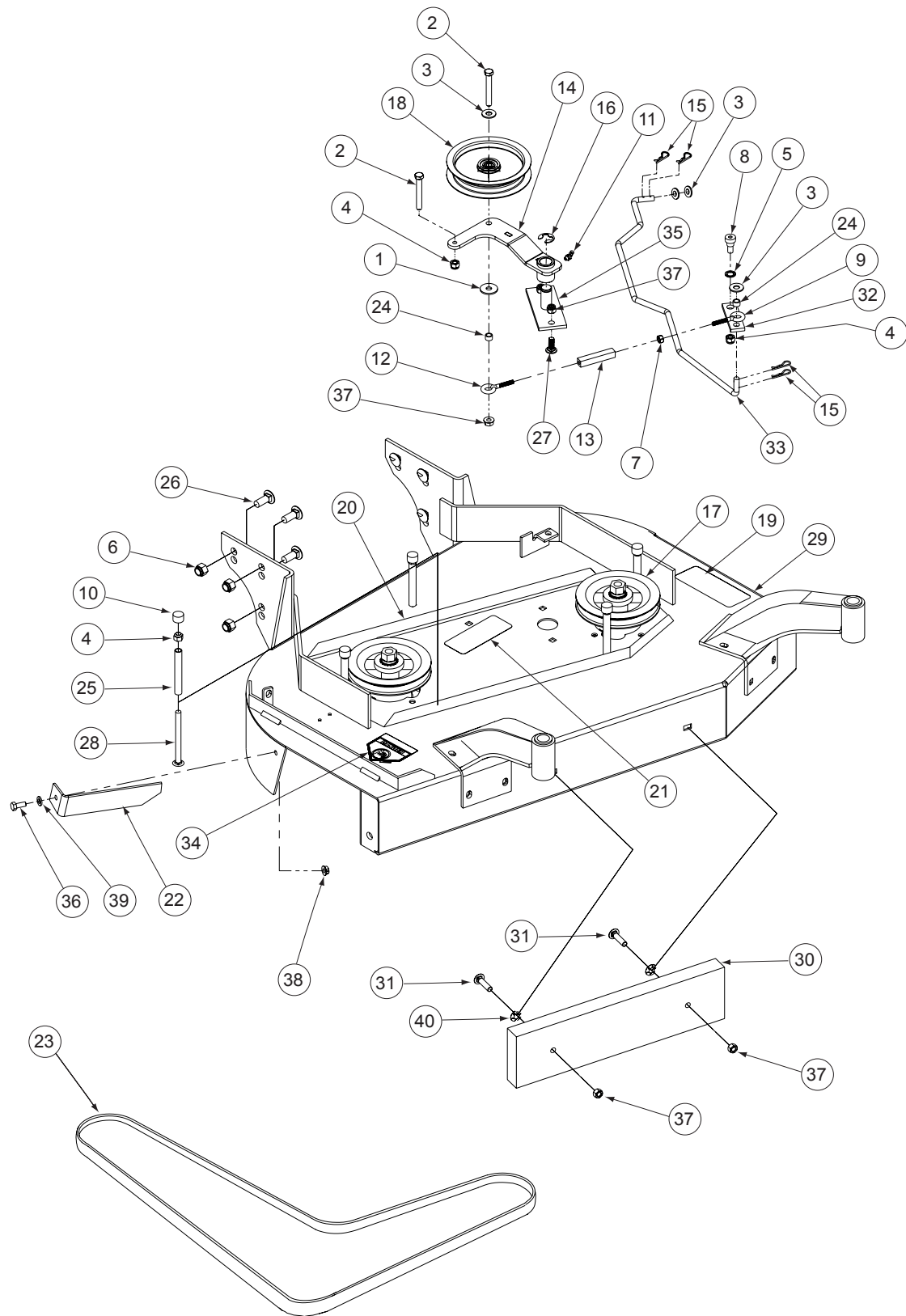
ILLUSTRATED PARTS LIST

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36" Deck Assembly - Figure 1

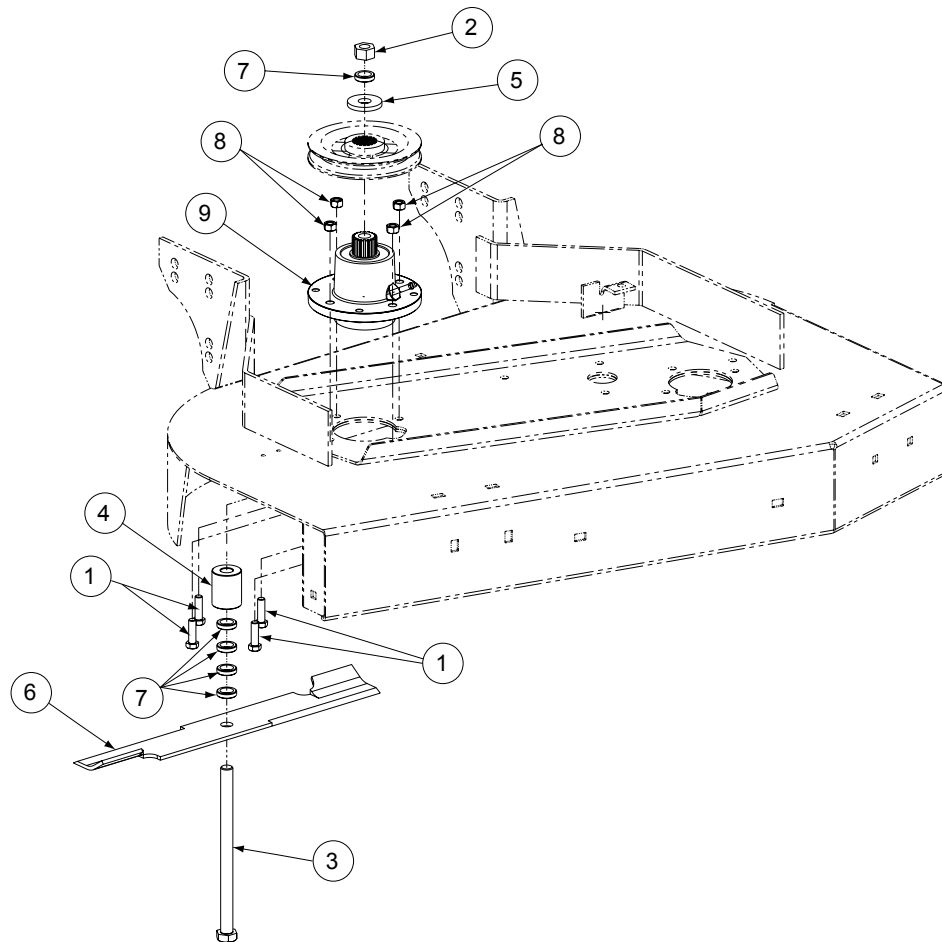


GD: 01007723-P15

36" Deck Assembly - Parts List for Figure 1

Ref. No.	Part No.	Description	Qty.
1	01000872	Washer, 1.25 x .411 x .100	1
2	01001371	Hex Cap Screw, 3/8-16 x 2.75	2
3	00012158	Flat Washer, 3/8 Zinc	4
4	00012173	Lock Nut, Nylon Insert, 3/8-16	7
5	00012402	Shim Washer	1
6	01010119	Nut, Flange Lock, 1/2-13	6
7	00013433	Hex Nut, 5/16-18	1
8	00014439	Shoulder Bolt	1
9	00014459	Eye Bolt, Right Hand	1
10	00018468	Cap, Black Vinyl	5
11	00021958	Grease Fitting, 45°, 1/4-28	1
12	00019271	Eye Bolt, Left Hand	1
13	00019554	Turnbuckle	1
14	00021895	Idler Arm	1
	741-04333	Bearing	2
15	00021956	Hair Pin, 3/8"-1/2"	4
16	00021961	E-Ring, Retainer	1
17	01007499	Pulley Deck	2
18	00021977	Idler Deck Take-up	1
19	00030633	Decal Rotating Blade	1
20	01005061	Deck Stiffener	1
21	00030635	Decal, Warning Shield Missing	1
22	02000320	Chute Baffle	1
23	00050441	Belt Drive	1
24	00062715	Turnbuckle, Sleeve	2
25	01000160	Spacer, Belt Guide	5
26	01000517	Carriage Bolt, 1/2-13 x 1-1/4	6
27	01002010	Carriage Bolt, 3/8-16 x 1.25	2
28	01000644	Carriage Bolt, 3/8-16 x 4.5	5
29	01000826	Deck 36"	1
30	02002426	Bar Weight	1
31	01002011	Carriage Bolt, 3/8-16 x 1-1/2	2
32	01003153	Clutch Link	1
33	01002103	Rod Clutch Link	1
34	01002166	Decal, Danger Hands and Feet	1
35	00063043	Idler Base	1
36	00013406	Hex Cap Screw, 5/16-18 x .75	1
37	712-04065	Hex Nut Flange Lock, 3/8-16	5
38	01000635	Nut, Hex Flange Lock, 5/16-18	1
39	00012169	Flat Washer, 5/16	1
40	01008225	Push Retainer	2

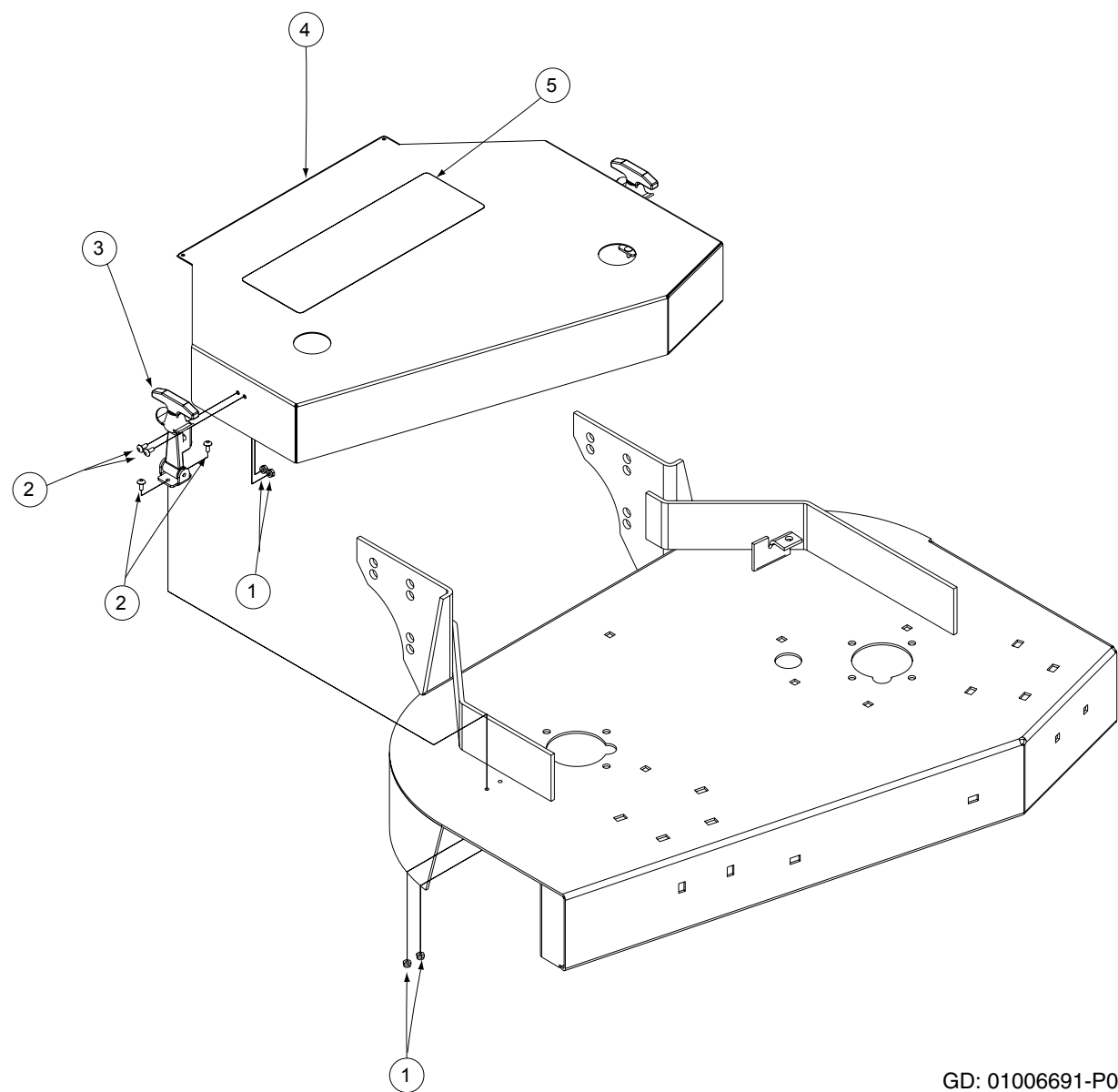
36" Spindle Assembly - Figure 2 and Parts List



GD: 01007704-P05

Ref. No.	Part No.	Description	Qty.
1	00010980	Hex Cap Screw, 3/8-16 x 1-1/2	8
2	00011807	Hex Nut, 5/8-11	2
3	01007591	Hex Cap Screw, 5/8-11 x 9	2
4	01007577	Blade Spacer, .630 x 1.500 x 1.850	2
5	01007595	Flat Washer, .656 ID x 1.313 OD	2
6	00050125	18" Rotary Blade	2
7	00021924	Blade Spacer, 5/8 ID, 1/4 Thick	10
8	712-04065	Hex Nut Flange Lock, 3/8-16	8
9	01007491	Spindle Assembly	2
	01007642	Grease Fitting, 1/4-28 x 1.609	2

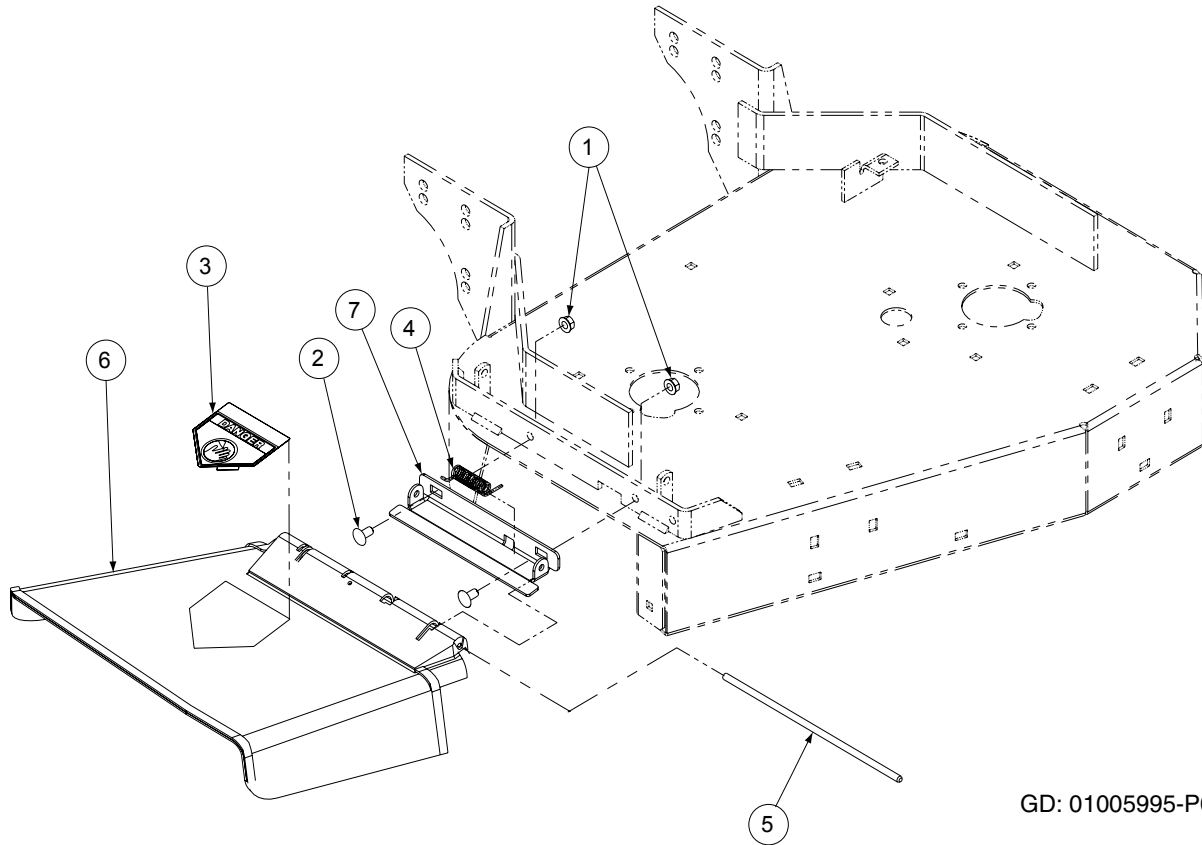
36" Fabricated Cover Assembly - Figure 3 and Parts List



GD: 01006691-P03

Ref. No.	Part No.	Description	Qty.
1	00006194	Lock Nut, Nylon Insert #10-24	8
2	00008745	Machine Screw, 10-24 x 1/2	8
3	00021951	Rubber Hood Latch	2
4	01001066	Deck Cover, 36	1
5	777D09751	Label Commercial Mower	1
6	01006675	Label, H1536	1

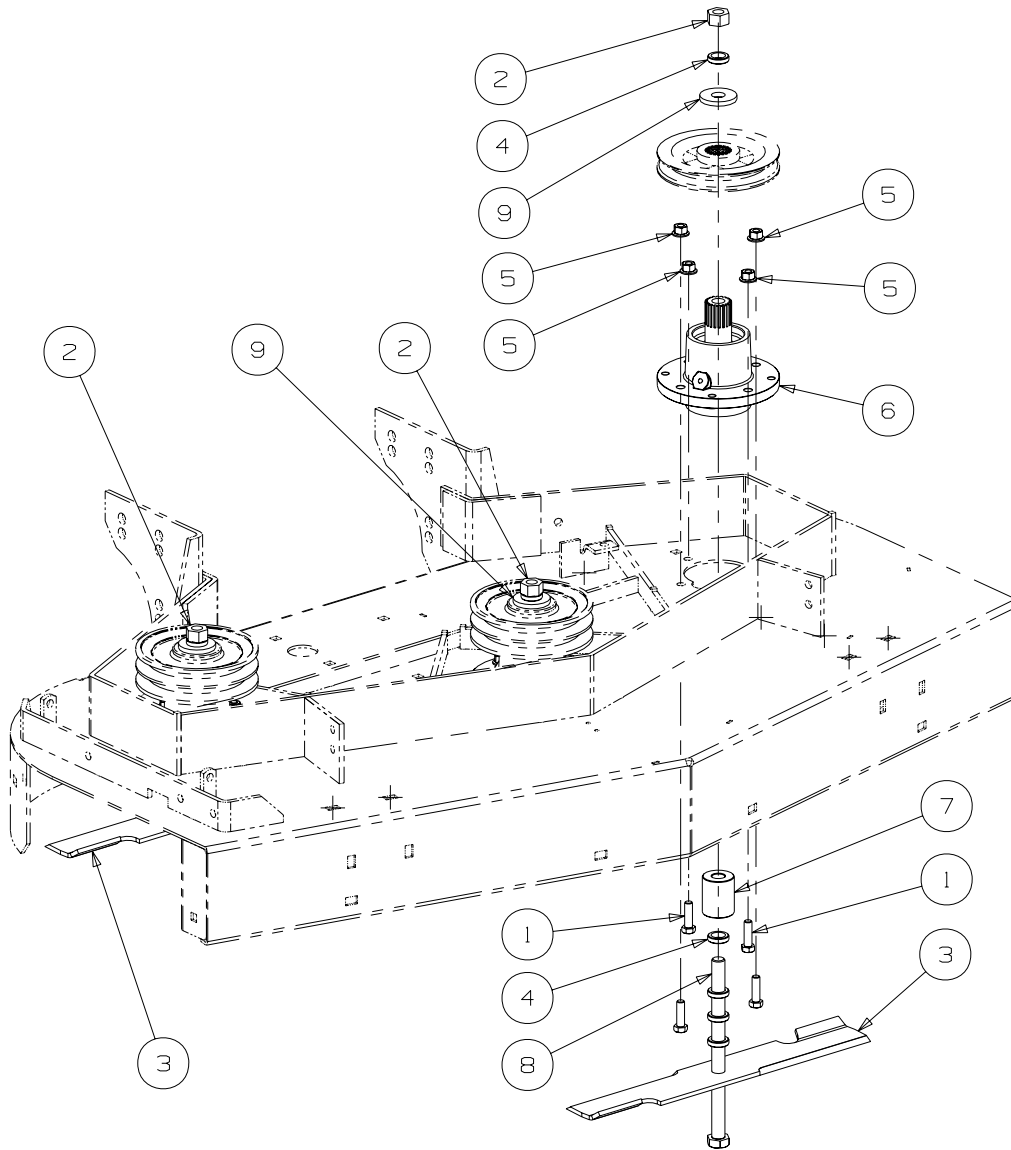
36" Chute Assembly - Figure 4 and Parts List



GD: 01005995-P04

Ref. No.	Part No.	Description	Qty.
1	712-04065	Hex Nut Flange Lock, 3/8-16	2
2	01000643	Carriage Bolt, 3/8-16 x 1.00 LG.	2
3	01002166	Decal, Danger Hands and Feet	1
4	01003253	Torsion Spring	1
5	01003254	Chute Deflector Rod	1
6	01006693	Deflector Chute	2
7	01009884	Deflector Chute Bracket	1

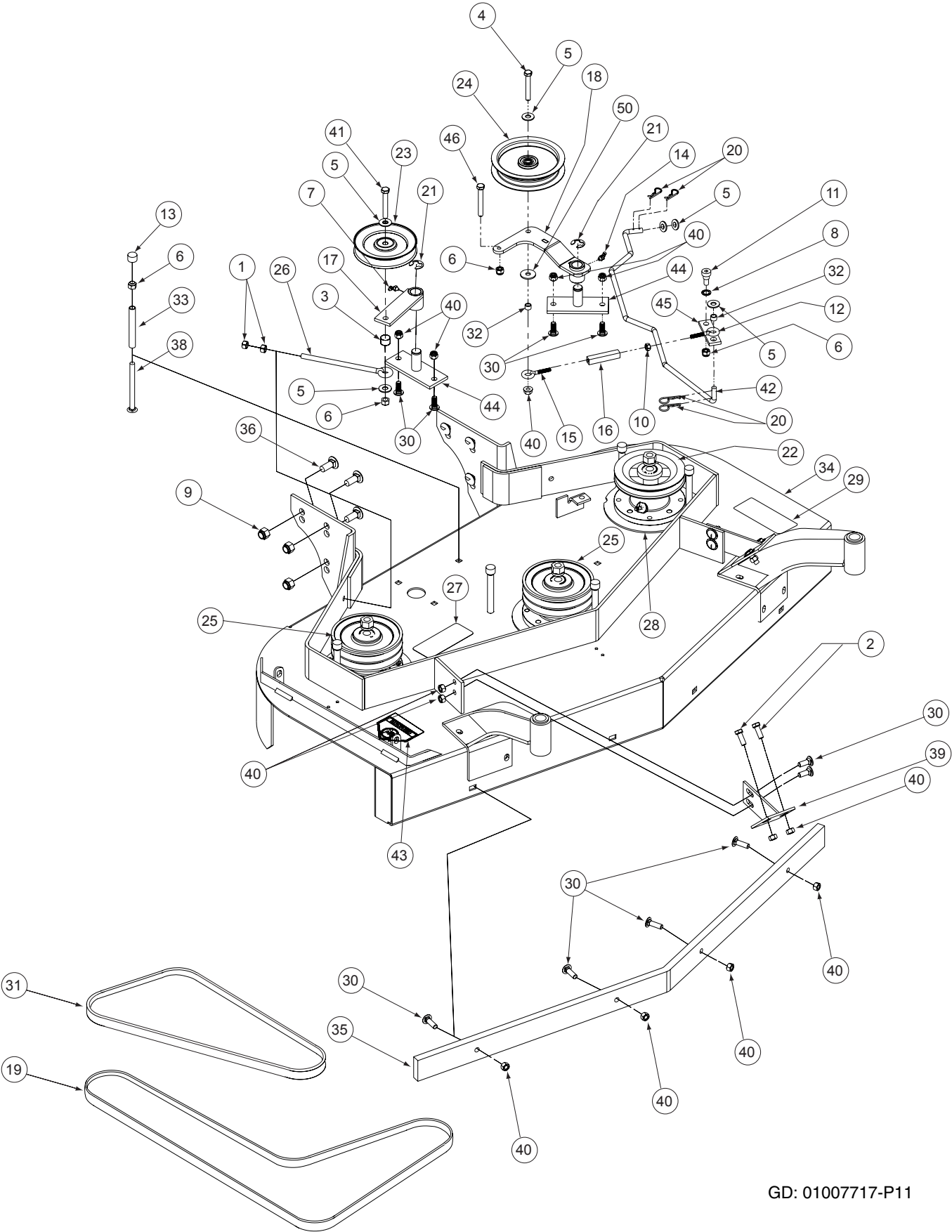
48" Spindle Assembly - Figure 5 and Parts List



GD: 02003924-P02

Ref. No.	Part No.	Description	Qty.
1	00010980	Hex Cap Screw, 3/8-16 x 1-1/2	12
2	00011807	Hex Nut, 5/8-11	3
3	00021871	16 1/2" Rotary Blade	3
4	00021924	Blade Spacer, 5/8 ID, 1/4 Thick	15
5	712-04065	Hex Nut Flange Lock, 3/8-16	12
6	01007491	Spindle Assembly	3
	01007642	Grease Fitting, 1/4-28 x 1.609	3
7	01007591	Hex Cap Screw, 5/8-11 x 9	3
8	01007577	Blade Spacer, .630 x 1.500 x 1.850	3
9	01007595	Flat Washer, .656 ID x 1.313 OD	3

48" Deck Assembly - Figure 6

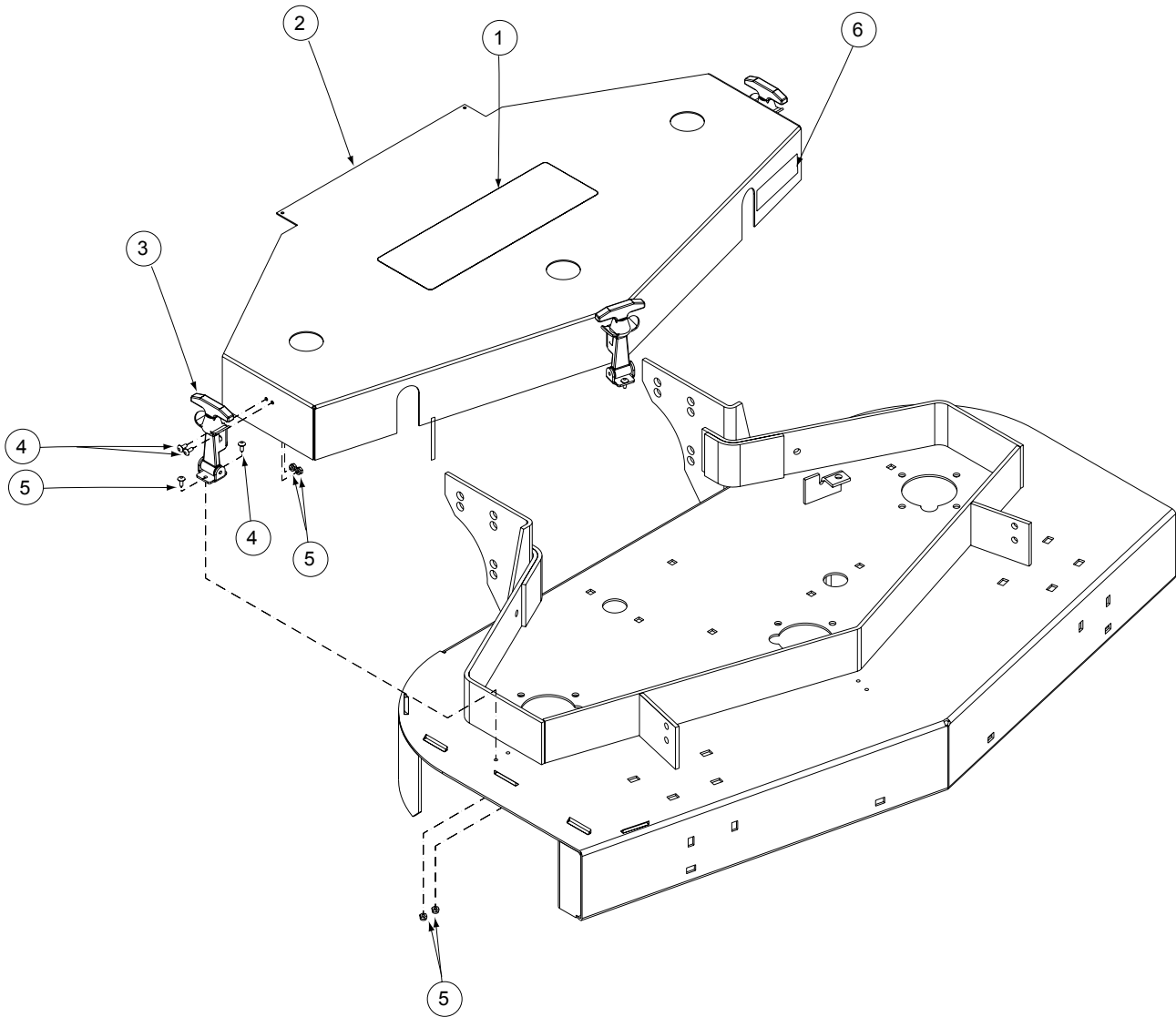


GD: 01007717-P11

48" Deck Assembly - Parts List for Figure 6

Ref. No.	Part No.	Description	Qty.
1	00006131	Hex Nut, 3/8-16	2
2	00006144	Hex Cap Screw, 3/8-16, 1	4
3	00024172	Sleeve Tensioner	1
4	01000872	Washer, 1.25 x .411 x .100	1
5	00012158	Flat Washer, 3/8 Zinc	6
6	00012173	Lock Nut, Nylon Insert, 3/8-16	9
7	00012226	Grease Fitting, 1/4-28, 90°	1
8	00012402	Shim Washer	1
9	01010119	Nut, Flange Lock, 1/2-13	6
10	00013433	Hex Nut, 5/16-18	1
11	00014439	Shoulder Bolt	1
12	00014459	Eye Bolt, Right Hand	1
13	00018468	Vinyl Cap	6
14	00021958	Grease Fitting, 45°, 1/4-28	1
15	00019271	Eye Bolt, Left Hand	1
16	00019554	Turnbuckle	1
17	00021893	Idler Arm "B"	1
	741-04333	Bearing	2
18	00021895	Idler Arm "A"	1
	741-04333	Bearing	2
19	00021947	Drive Belt	1
20	00021956	Hair Pin, 3/8"-1/2"	4
21	00021961	E-Ring	2
22	01007499	Deck Pulley	1
23	00021975	Idler Pulley	1
24	00021977	Idler Deck Take-up	1
25	01007528	Double Pulley	2
26	00030335	Rod Belt Tensioner	1
27	00030633	Decal Rotating Blade	1
28	01000150	Spindle Backing Plate	3
29	00030635	Decal Warning Shield Missing	1
30	01002010	Carriage Screw, 3/8-16 x 1-1/4	12
31	00050480	Drive Belt	1
32	00062715	Sleeve Turnbuckle	2
33	01000160	Spacer Belt Guide	6
34	01000233	Deck Weldment Mower	1
35	01000235	Bumper 48"	1
36	01000517	Carriage Bolt, 1/2-13 x 1-1/4	6
37	01001371	Hex Cap Screw, 3/8-16, 2.75	2
38	01000644	Carriage Bolt, 3/8-16 x 4-1/2	6
39	01001097	Caster Support Assembly	2
40	712-04065	Hex Nut Flange Lock, 3/8-16	17
41	01001366	Hex Cap Screw, 3/8-16, 2.25	1
42	01002103	Rod Clutch Link	1
43	01002166	Decal, Danger Hands and Feet	1
44	00063043	Idler Base	2
45	01003153	Clutch Link	1

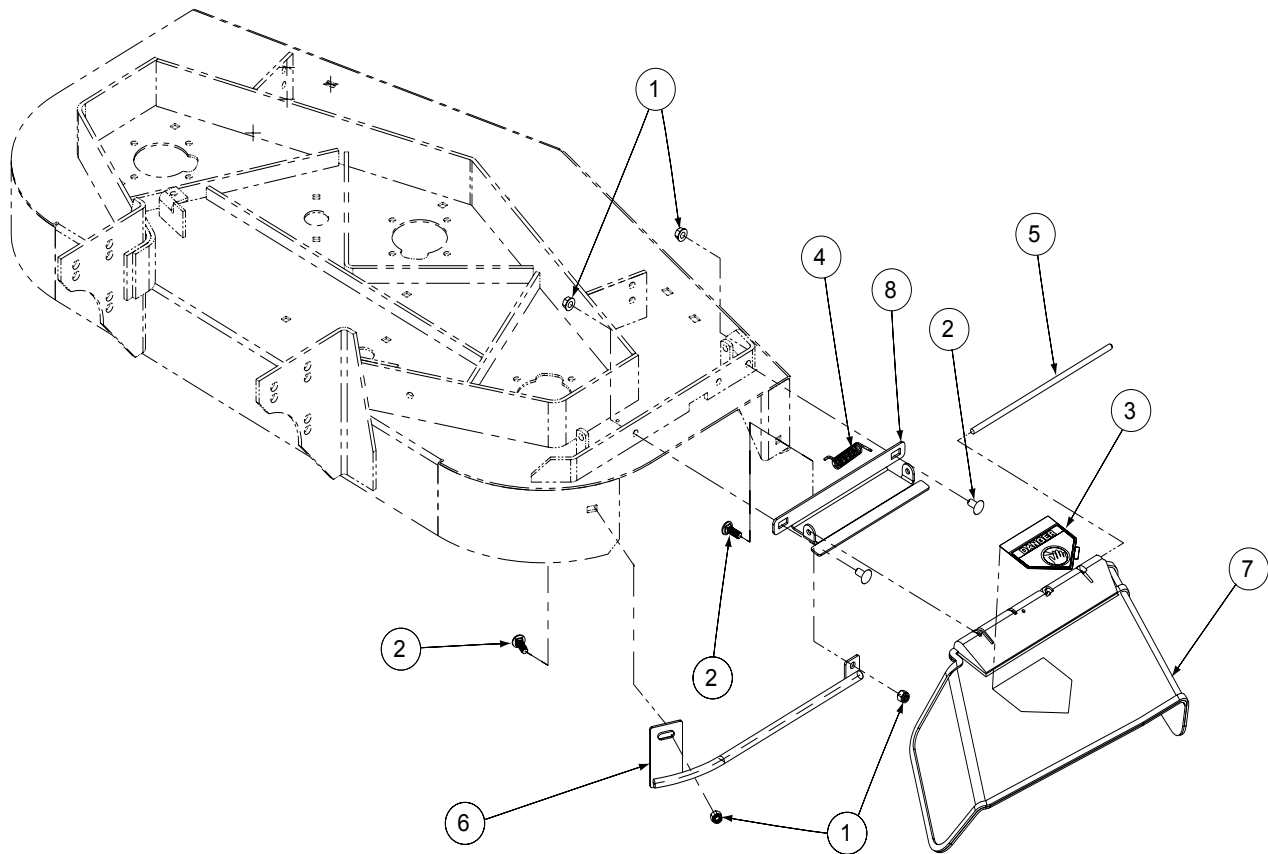
48" Cover Assembly - Figure 7 and Parts List



GD: 01006690-P04

Ref. No.	Part No.	Description	Qty.
1	777D09751	Label Commercial Mower	1
2	01000236	Deck Cover 48"	1
3	00021951	Rubber Latch Hood	3
4	00008745	Machine Screw, 10-24 x 1/2	12
5	00006194	Lock Nut, Nylon Insert, #10-24	12
6	02003934	Label, H1748	1

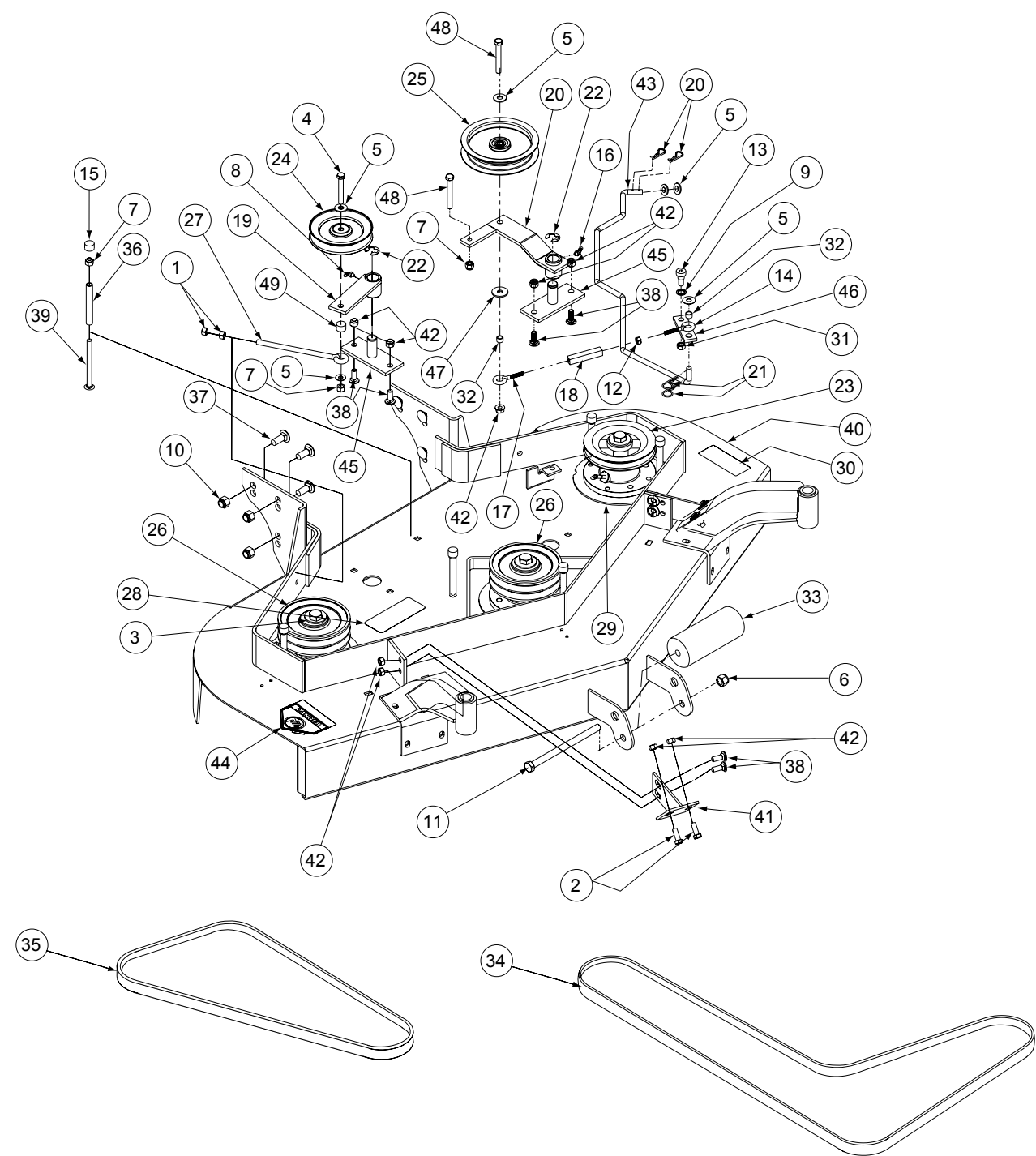
48" Chute Assembly - Figure 8 and Parts List



GD: 01006127-P03

Ref. No.	Part No.	Description	Qty.
1	00022560	Hex Nut Flange Lock, 3/8-16	4
2	01000372	Carriage Bolt, 3/8-16 x .75 LG.	4
3	01002166	Decal, Danger Hands & Feet	1
4	01003253	Torsion Spring, 0.4 ID x 2.16 LG	1
5	01003254	Chute Deflector Rod	1
6	01004212	Stiffner Assembly, 48	1
7	01006693	Deflector Chute	1
8	01009875	Deflector Chute Bracket	1

52" Deck Assembly - Figure 9

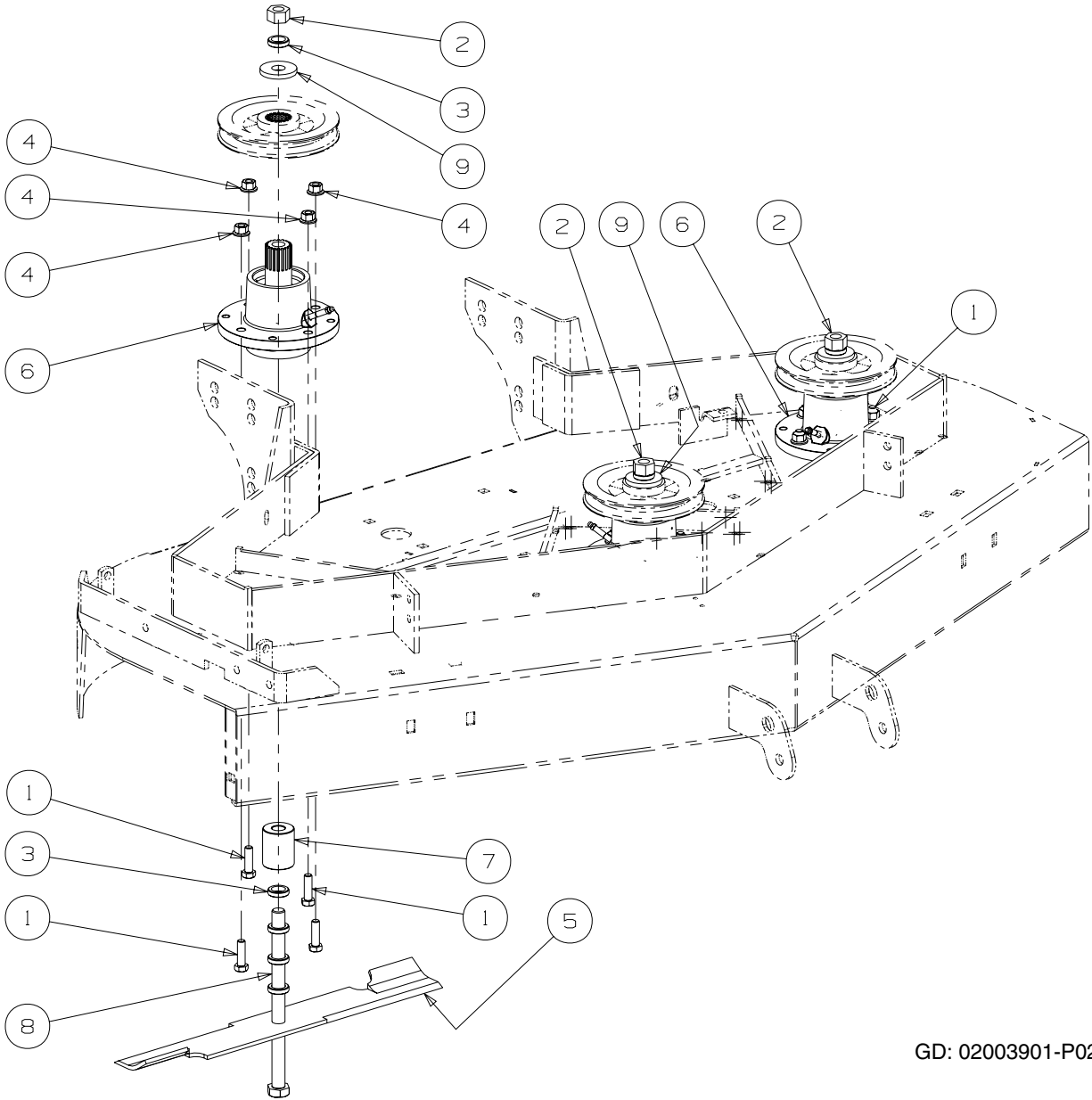


GD: 01007720-P15

52" Deck Assembly - Parts List for Figure 9

Ref. No.	Part No.	Description	Qty.
1	00006131	Hex Nut, 3/8-16	2
2	00006144	Hex Cap Screw, 3/8-16, 1	4
3	00013432	Flat Washer, 5/8	3
4	01001366	Hex Cap Screw, 3/8-16, 2-1/4	1
5	00012158	Flat Washer, 3/8 Zinc	6
6	02002299	Nut, 1/2-20, Lock	1
7	00012173	Lock Nut, Nylon Insert, 3/8-16	8
8	00012226	Grease Fitting, 1/4-28, 90°	1
9	00012402	Shim Washer	1
10	01010119	Nut, Flange Lock, 1/2-13	6
11	01006961	Hex Cap Screw, 1/2-20, 7.50	1
12	00013433	Hex Nut, 5/16-18	1
13	00014439	Shoulder Bolt	1
14	00014459	Eye Bolt, Right Hand	1
15	00018468	Vinyl Cap	6
16	00021958	Grease Fitting, 1/4-28, 45°	1
17	00019271	Eye Bolt, Left Hand	1
18	00019554	Turnbuckle	1
19	00021893	Idler Arm "B"	1
	741-04333	Bearing	2
20	00021895	Idler Arm "A"	1
	741-04333	Bearing	2
21	00021956	Hair Pin, 3/8-1/2	4
22	00021961	E-Ring	2
23	01007499	Deck Pulley	1
24	00021975	Idler Pulley	1
25	00021977	Idler Deck Take-up	1
26	01007528	Double Pulley	2
27	00030335	Rod Belt Tensioner	1
28	00030633	Decal Rotating Blade	1
29	01000150	Spindle Backing Plate	3
30	00030635	Decal Warning Shield Missing	1
31	00034224	Lock Nut, Metal, 3/8-16	1
32	00062715	Sleeve Turnbuckle	2
33	01000385	Front Roller	1
34	00068079	Drive Belt	1
35	00068093	Drive Belt	1
36	01000160	Spacer Belt Guide	6
37	01000517	Carriage Bolt, 1/2-13 x 1-1/4	6
38	01002010	Carriage Bolt, 3/8-16 x 1-1/4	8
39	01000644	Carriage Bolt, 3/8-16 x 4-1/2	6
40	01000850	Mower Deck Weldment, 52"	1
41	01001095	Caster Support Assembly	2
42	712-04065	Nut, Hex Flange Lock, 3/8-16	13
43	01002104	Rod Clutch Link	1
44	01002166	Decal, Danger Hands and Feet	1
45	00063043	Idler Base	2
46	01003153	Clutch Link	1
47	01000872	Washer, 1.25 x .411 x .100	1
48	01001371	Hex Cap Screw, 3/8-16, 2.75	2
49	00024172	Sleeve Tensioner	1

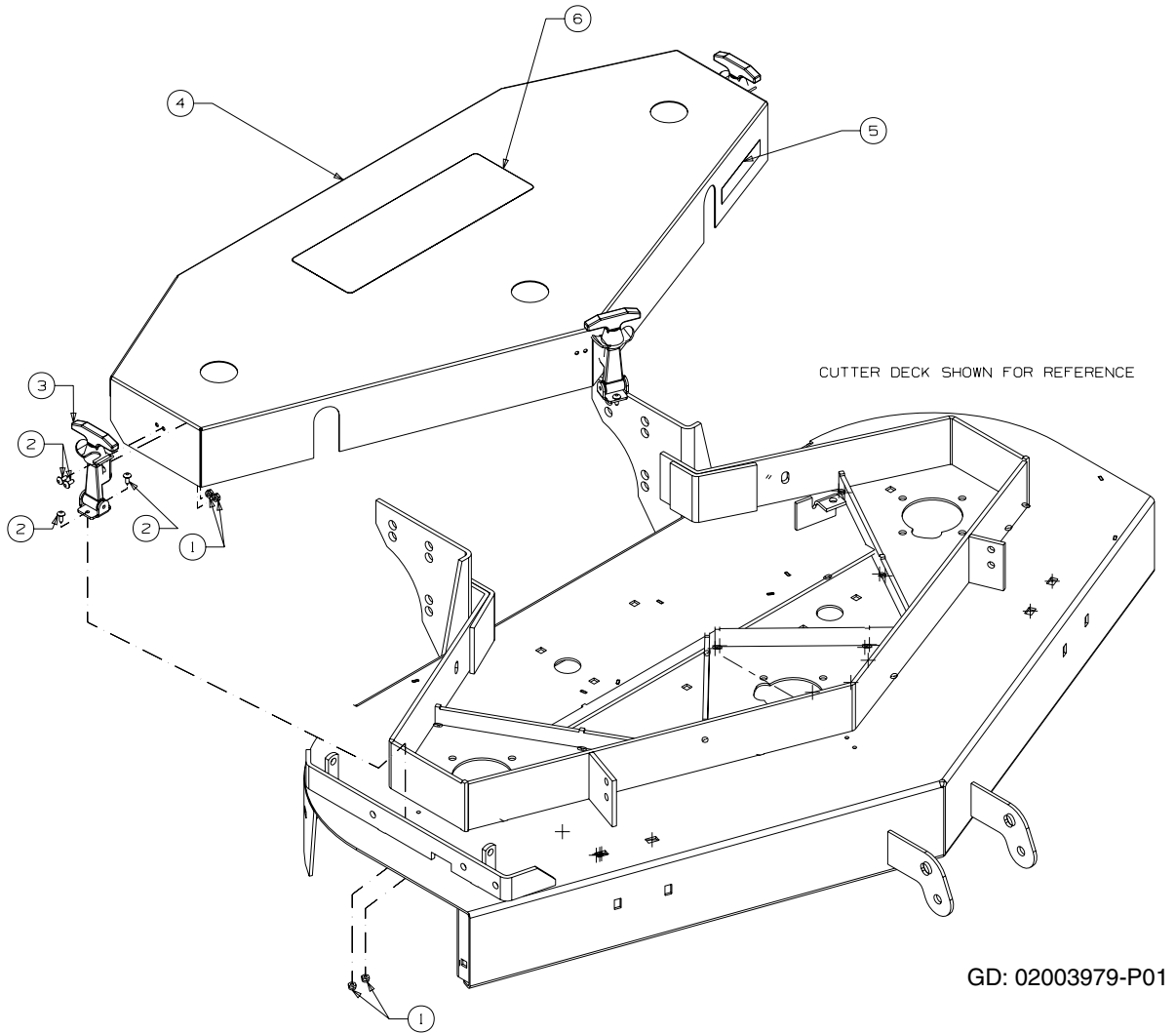
52" Spindle Assembly - Figure 10 and Parts List



GD: 02003901-P02

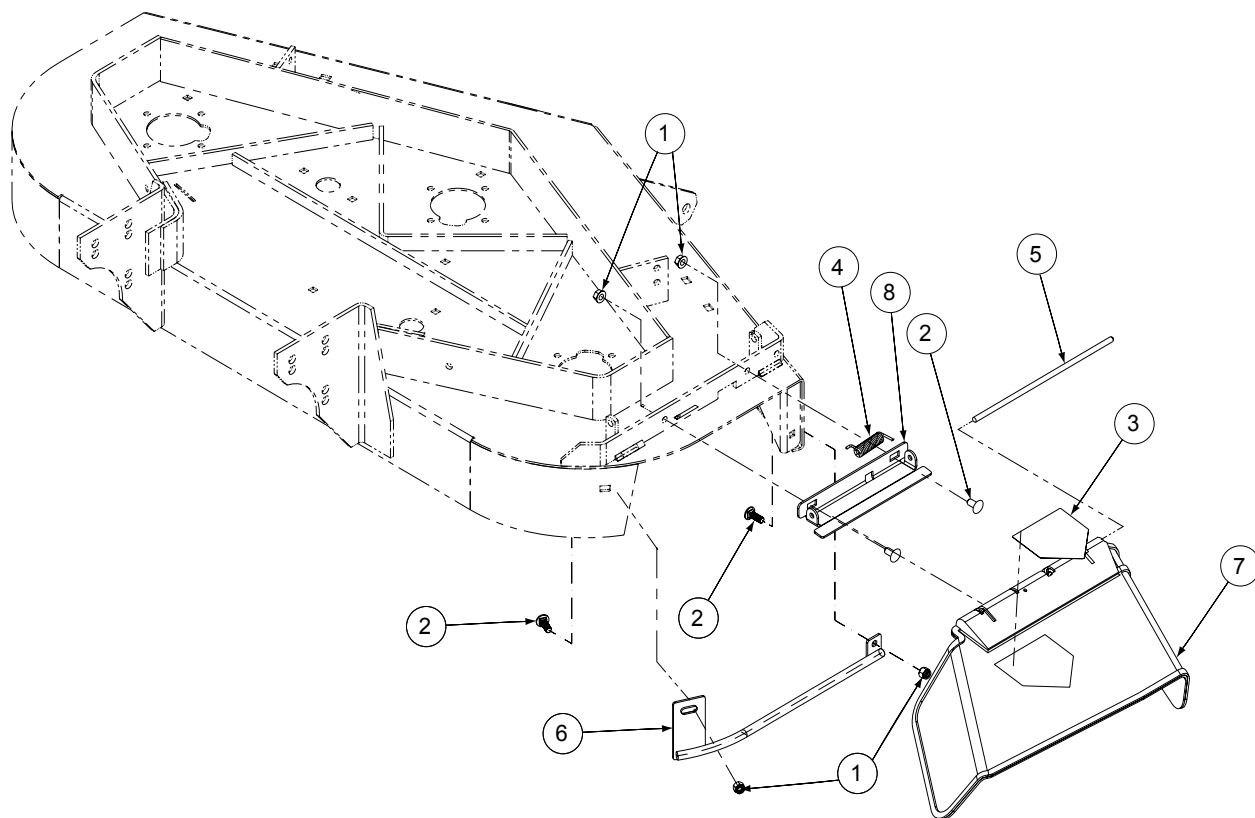
Ref. No.	Part No.	Description	Qty.
1	00010980	Hex Cap Screw, 3/8-16 x 1-1/2	12
2	00011807	Hex Nut, 5/8-11	3
3	00021924	Blade Spacer, 5/8 ID, 1/4 Thick	15
4	712-04065	Flange Lock Nut, 3/8-16	12
5	00050125	18" Rotary Blade	3
6	01007491	Spindle Assembly	3
7	01007577	Blade Spacer, .630 x 1.500 x 1.850	3
8	01007591	Hex Cap Screw, 5/8-11 x 9	3
9	01007595	Flat Washer, .656 ID x 1.75 OD	3

52" Deck Cover - Figure 11 and Parts List



Ref. No.	Part No.	Description	Qty.
1	00006194	Lock Nut, Nylon Insert, #10-24	12
2	00008745	Machine Screw, 10-24 x 1/2	12
3	00021951	Rubber Hood Latch	3
4	01001092	Cover Assembly, Belt, 52"	1
5	02003935	Label, H1952	1
6	777D09751	Label, Commercial Mower	1

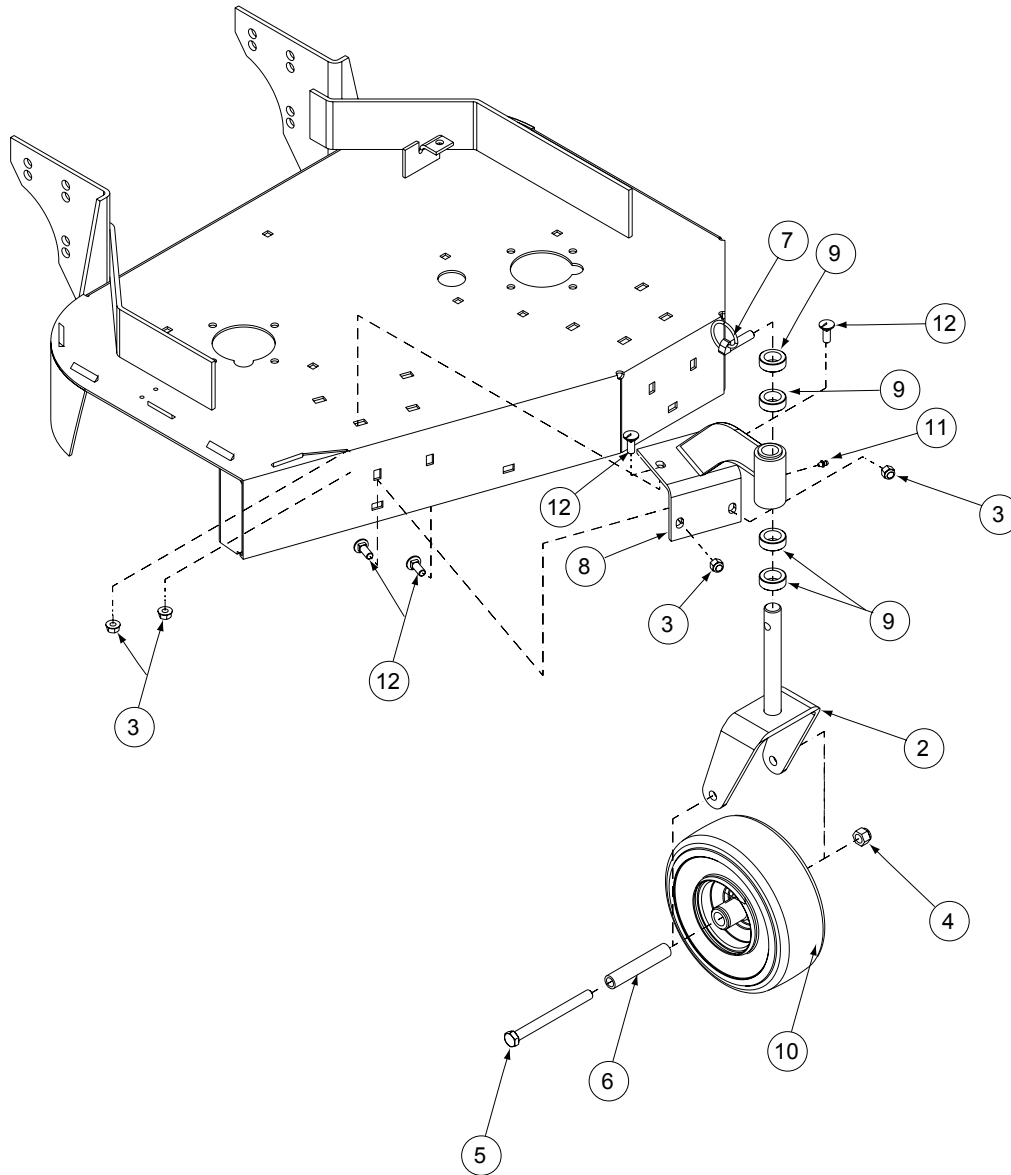
52" Chute Assembly - Figure 12 and Parts List



GD: 01004218-P05

Ref. No.	Part No.	Description	Qty.
1	00022560	Nut, Hex Flange Lock, 3/8-16	4
2	01000372	Carriage Bolt, 3/8-16 x .75	4
3	01002166	Decal, Danger, Hands & Feet	1
4	01003253	Torsion Spring, 0.4 ID x 2.16	1
5	01003254	Chute Deflector Rod	1
6	01004209	Stiffner Assembly, 52"	1
7	01006693	Chute Deflector	1
8	01009884	Chute Deflector Bracket	1

Caster Wheel Fabricated Deck - Figure 13 and Parts List



GD: 01005984-P09

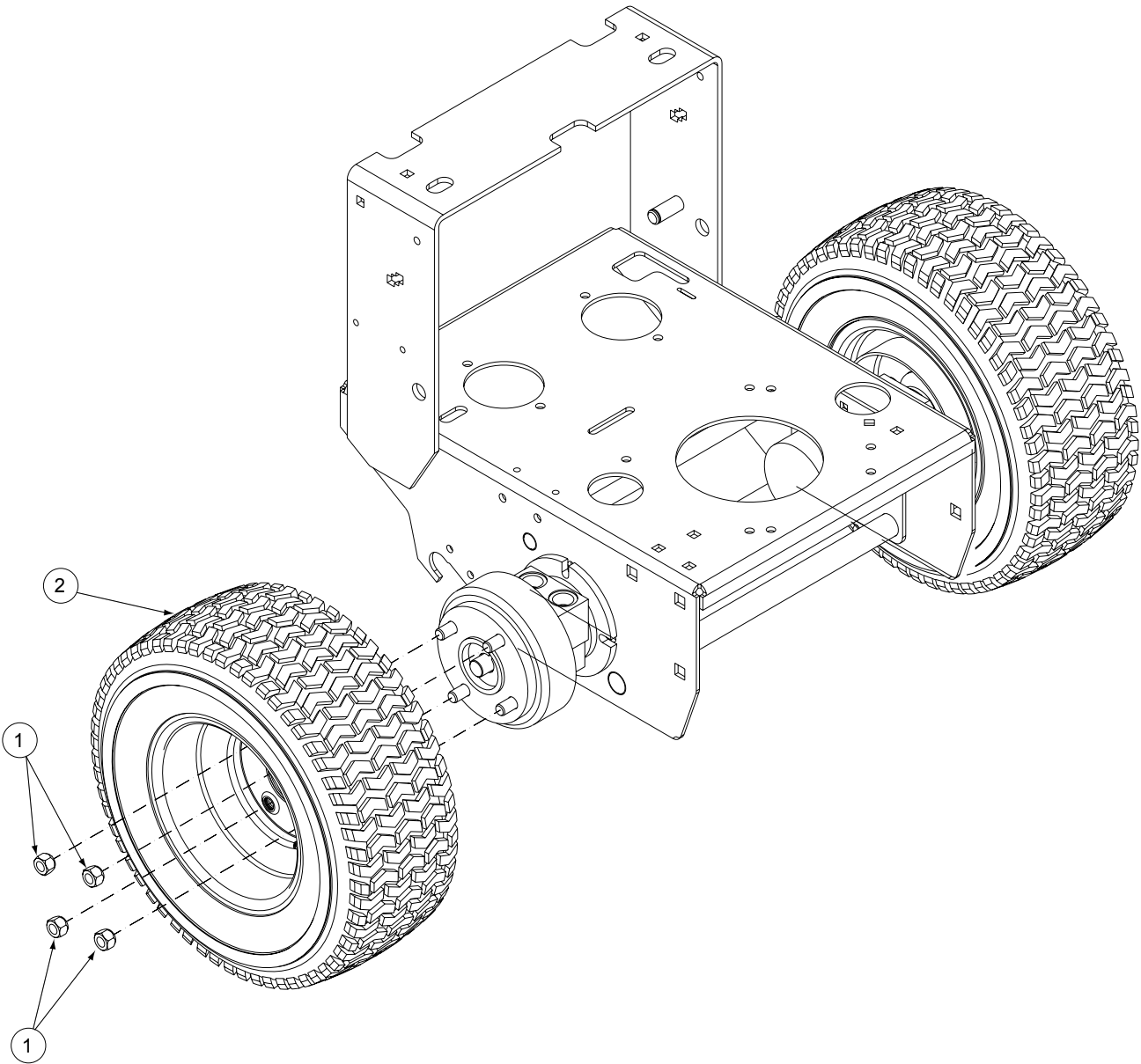
Ref. No.	Part No.	Description	Qty.
1	01002014	Lubricant Grease by Ounce	2
2	01001051	Caster Yoke Assembly, Weldment	2
3	712-04065	Nut, Hex Flange Lock, 3/8-16	8
4	00012428	Lock Nut, Nylon Insert, 1/2-13	2
5	00012675	Hex Cap Screw, 1/2-13, 5.50	2
6	00014528	Spacer Wheel	2
7	01000746	Klik Pin, 1.75	2
8	01006718	Caster Bracket Weldment	2
9	00064164	Caster Bushing	4
9	00021925	Spacer, Caster	8
10	02000192	Wheel Assembly, 9.0 x 3.50-4	2
11	00060078	Grease Fitting, 1/4-28 x 3/16	2
12	01000643	Carriage Bolt, 3/8-16 x 1	8

This exploded view diagram illustrates the assembly of a portable electronic device. The components are numbered as follows:

- 1**: Small screw/bolt at the top left of the main housing.
- 2**: Small pin or spacer on the right side of the main housing.
- 3**: Small rectangular component on the top surface of the main housing.
- 4**: Small screw/bolt on the top surface of the main housing.
- 5**: The main housing or chassis.
- 6**: Small screw/bolt at the bottom right of the main housing.
- 7**: Small rectangular component on the top surface of the main housing.
- 8**: The top cover or lid.
- 9**: Small screw/bolt on the top cover.
- 10**: Small screw/bolt on the bottom of the main housing.
- 11**: Small screw/bolt on the right side of the main housing.
- 12**: Small circular component on the top surface of the main housing.
- 13**: Small screw/bolt on the bottom of the main housing.
- 14**: Small rectangular component on the top surface of the main housing.
- 15**: Long, thin component, possibly a battery or antenna, on the right side of the main housing.
- 16**: Small screw/bolt on the right side of the main housing.
- 17**: Small circular component on the top surface of the main housing.

Ref. No.	Part No.	Description	Qty.
1	00012169	Flat Washer, SAE 5/16	2
2	00012235	Uni-Clamp	1
3	00021407	Stop Pad, Rubber	2
4	00021941	Spacer	2
5	01001023	Fuel Tank Strap	2
6	01000215	Hose Clamp, 1/4-5/8, SS	1
7	01001036	Mower Warning Label, Turn off Engine	1
8	01001038	Mower Instruction Label, Fuel Valve	1
9	01002509	Carriage Bolt, 1/4-20 x 3.00	2
10	01002766	Lock Nut, 1/4-20, Hex Flange Lock	2
11	01007425	Shutoff Valve	1
12	01008857	Fuel Tank	1
13	01009333	Compression Spring, .625 OD x .390 ID	2
14	02000672	Rubber Strip	1
15	--	Fuel Hose, 18"	1
16	02002253	Grommet Fuel Tank	1
17	751-3124D	Fuel Cap, 3.5, Tethered	1

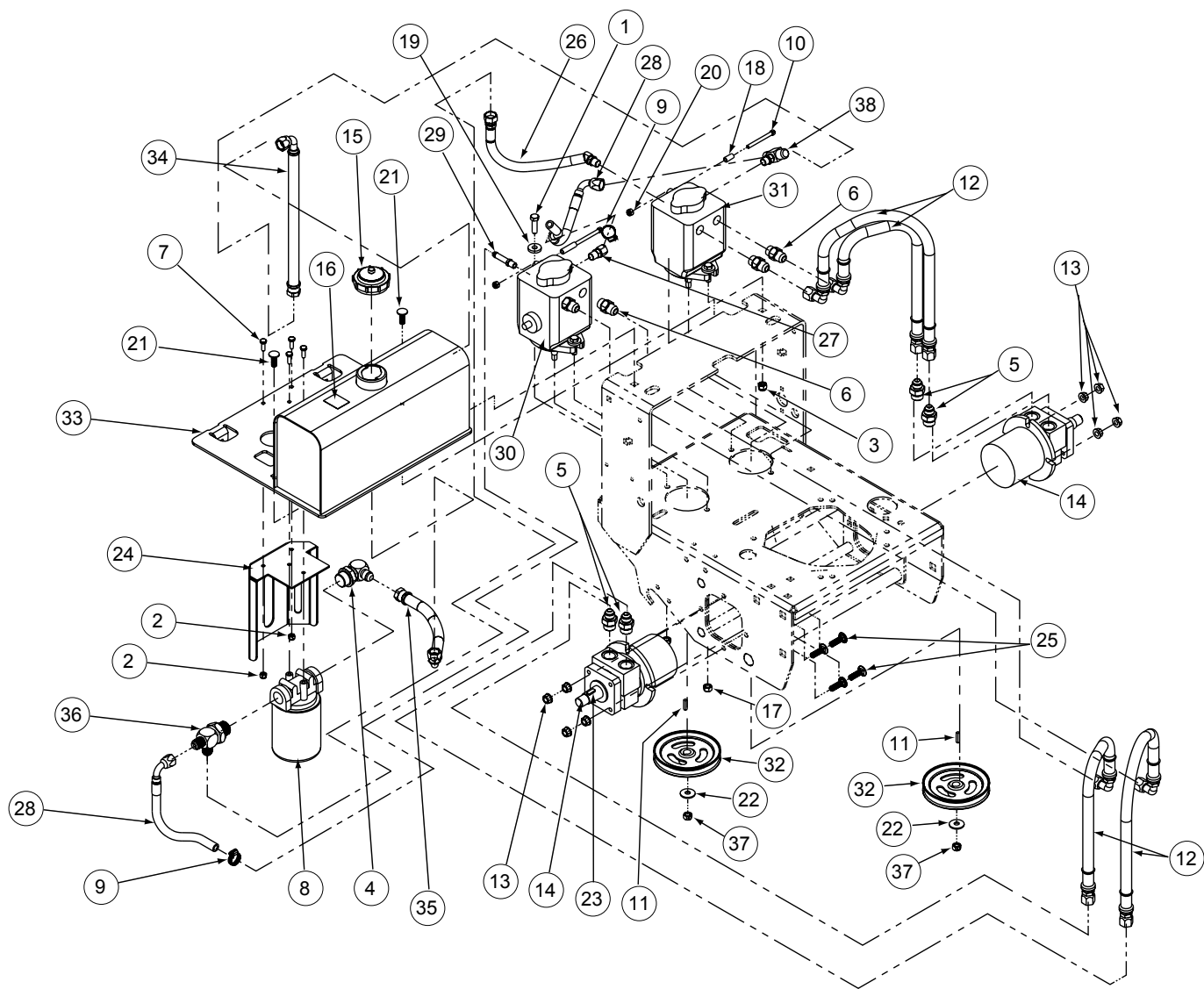
Wheel Assembly - Figure 15 and Parts List



GD: 01001318-P02

Ref. No.	Part No.	Description	Qty.
1	00012187	Lug Nut, 1/2-20	8
2	00024075	Wheel Assembly, 16 x 6.50-8	2

Hydro Pump Assembly - Figure 16



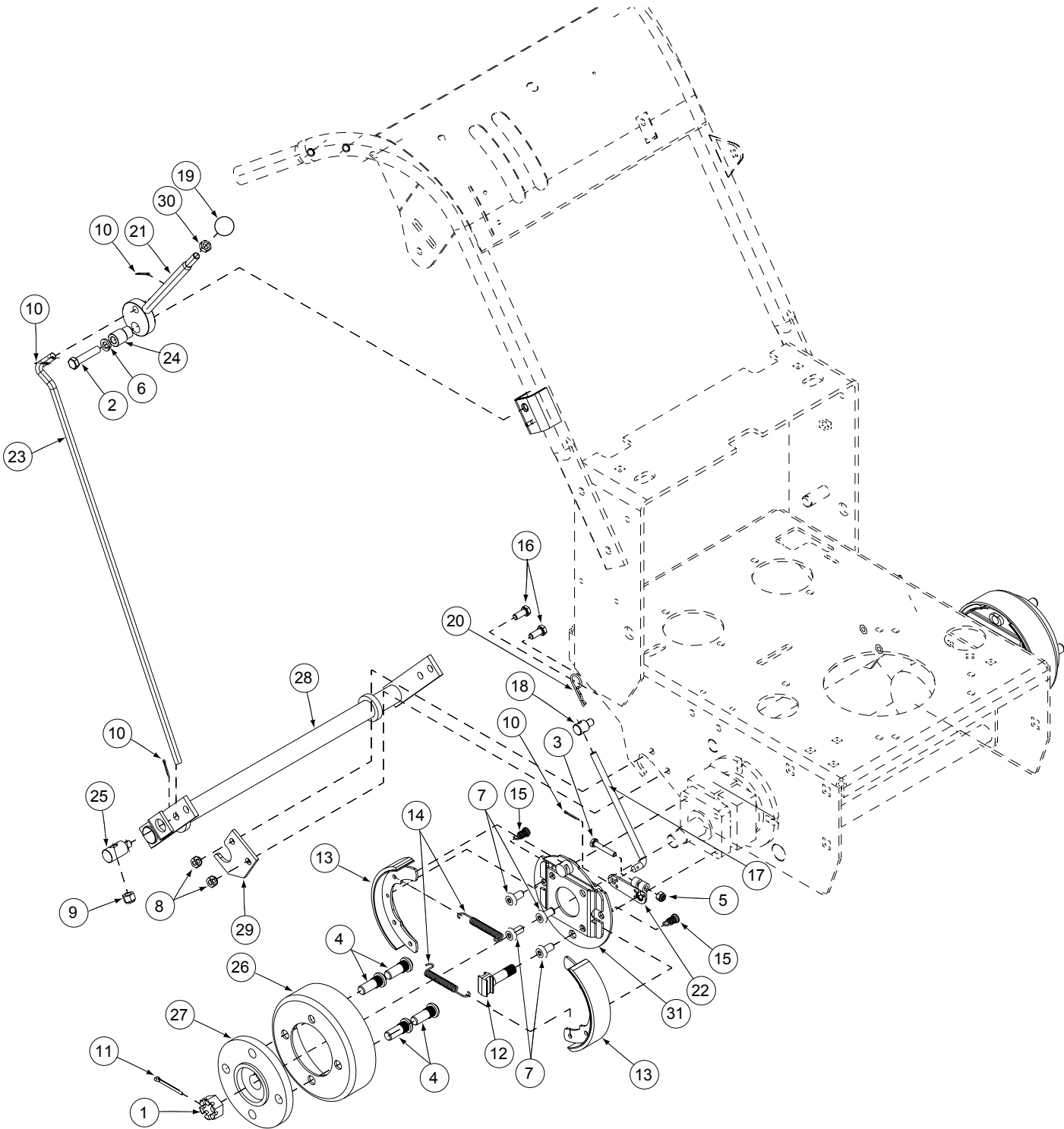
GD: 01006640-P03

Hydro Pump Assembly - Parts List for Figure 16

Ref. No.	Part No.	Description	Qty.
1	00011444	Cap Screw, Standard, 3/8-16 x 1-1/4	4
2	00012152	Lock Nut Nylon Insert, 1/4-20	2
3	00012173	Lock Nut, 3/8-16	2
4	00012269	Elbow 90° 1/2 x 3/4	1
5	00012288	Fitting, Aeroquip	4
6	00012426	Fitting, Aeroquip	4
7	00013131	Cap Screw, 1/4-20 x 3/4	8
8	00017665	Filter Head 3/4 includes:	1
	01004166	Filter	1
9	00017892	Worm Gear Clamp, 5/16-7/8	2
10	00031672	Cap Screw, Socket Head, 1/4-20 x 1-1/2 Zinc	2
11	00020628	Key, 3/16" x 7/8"	2
12	00021609	Reverse Pressure Hydraulic Hose Assembly	4
13	00022560	Flange Lock Hex Nut, 3/8-16	8
14	00024060	Hydraulic Motor, Wheel	2
15	00030261	Cap, Hydraulic Oil Tank	1
16	00031994	Oil Label, 20W-50	1
17	00034224	Lock Nut, 3/8-16	4
18	01008607	Spacer, Pump Release	2
19	00083192	Washer, Idler	4
20	01000446	Hex Lock Nut, 1/4-20	2
21	01000643	Carriage Bolt, 3/8-16 x 1.0	2
22	01000942	Bell Washer, .396 x 1.140 x .095	2
23	00008792	Woodruff Key, 3/16 x 3/4	2
24	01001087	Filter Guard Weldment	1
25	01000370	Carriage Bolt, 3/8-16 x 1.25	8
26	01006461	Left Pump Inlet Hose	1
27	01006462	Push On Fitting 45	1
28	01006463	Right Pump Inlet Hose	2
29	01006464	Push On Straight Fitting	1
30	01006478	Right Hand, Hydro Pump, BDP 10A 308	1
31	01006479	Left Hand, Hydro Pump, BDP 10A 413	1
32	01006799	Hydro Pump Pulley, 5.00 Dia	2
33	01006820	Fuel Tank Mounting Bracket and Integrated Hydraulic Tank	1
34	01006902	Left Hand, 14.25 Return Hose Assembly	1
35	01006941	9.5" Supply Hose Assembly	1
36	01006959	Tee Fitting, 3/4 x 1/2 x 1/2	1
37	01007309	Hex Nut, 3/8-24	2
38	01007805	Tee Fitting	1

Note: Lubricant, 737-3120

Hydro Brake Assembly - Figure 17

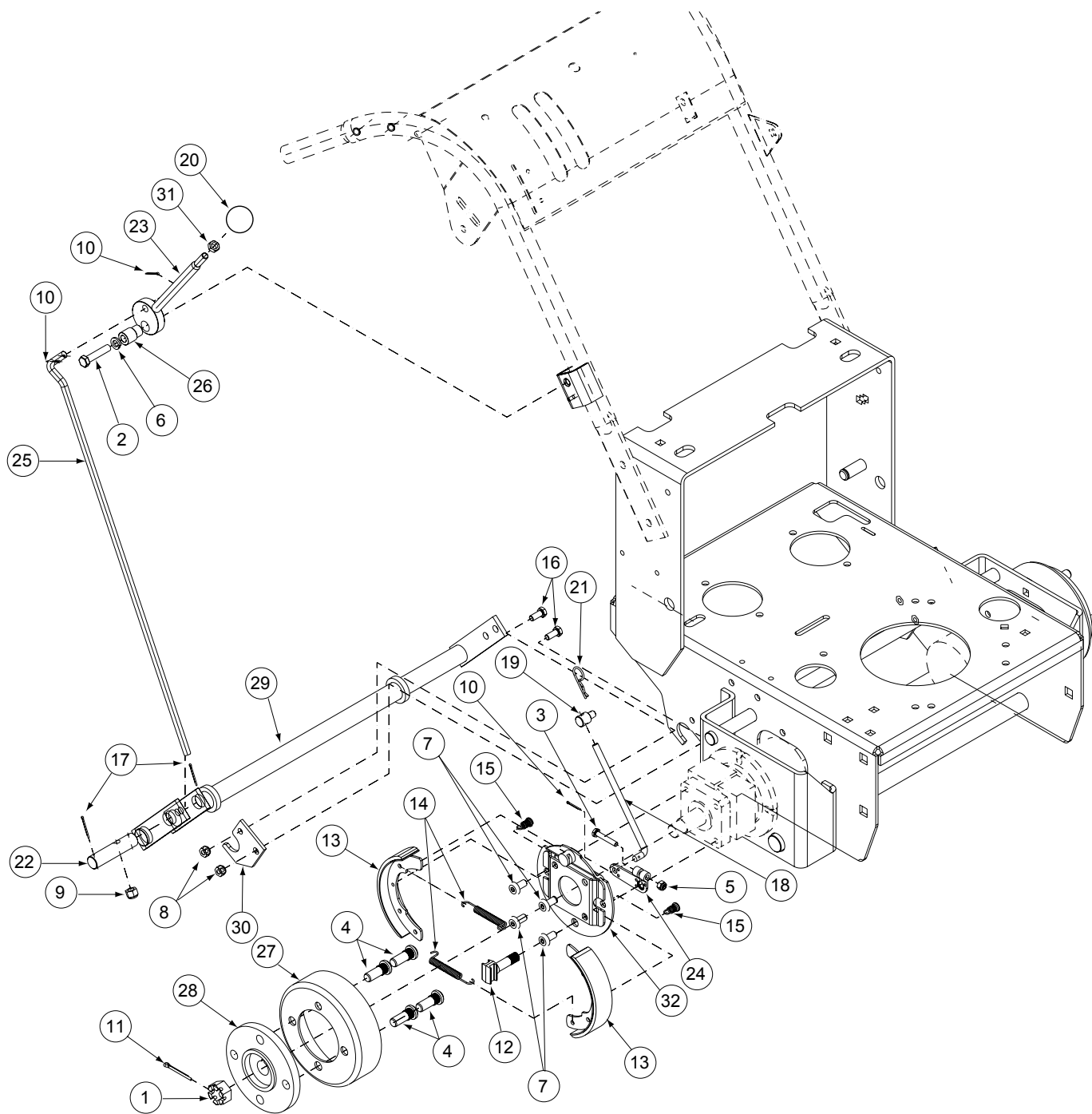


GD: 01006182-P02

Hydro Brake Assembly - Parts List for Figure 17

Ref. No.	Part No.	Description	Qty.
1	00003067	Nut, Castle, 3/4-16	2
2	00008495	Capscrew, 3/8-16 x 1-3/4" Zinc	1
3	00011446	Cap Screw, 1/4-20 x 1.50, Grade 5	2
4	00012081	Bolt, Wheel, 1/2-20 x 1-3/8	8
5	00012152	Lock Nut, Nylon Insert, 1/4-20 Grade A	2
6	00012157	Lock Washer, 3/8 Zinc	1
7	00012161	Capscrew, Socket Button Hd., 3/8-16 x 3/4 Zinc	8
8	00012165	Nut, 5/16-18, Nylock	4
9	00012173	Nut, Nylon Insert, 3/8-16 Grade A	1
10	00012204	Cotter Pin, 3/32 x 3/4, Zinc	5
11	00012380	Cotter Pin, 5/32 x 1-1/2 Zinc	2
12	00012522	Brake Cam, Actuating	2
13	00012553	Brake Shoe w/Lining, 6 x 1-1/4	4
14	00012554	Brake Spring, Tension	4
15	00012555	Brake Spring, Anti-Vibration	4
16	00013406	Cap Screw, 5/16-18 x 3/4, Grade 5	4
17	00021930	Brake Rod	2
18	00021943	Swivel Joint	2
19	00021952	Red Knob, Shift w/Insert	1
20	00021956	Hair Pin 3/8"-1/2"	2
21	00063173	Lever Assembly, Brake	1
22	00063679	Brake Clamp, Control Assembly Hydro	2
23	00063727	Rod, Long Brake, Hydro WB	1
24	00063612	Pivot Spacer, Hydro WB	1
25	00063766	Brake Pull Joint	1
26	01001382	Brake Drum	2
27	01001384	Hub, Wheel Motor	2
28	01001386	Brake Pivot Shaft Assembly	1
29	01002292	Pivot Mount, Brake	2
30	01002511	Nut, 3/8-16, Jam, Grade 2	1
31	01003017	Brake Backing Plate	2

Hydro Brake Assembly WT - Figure 18

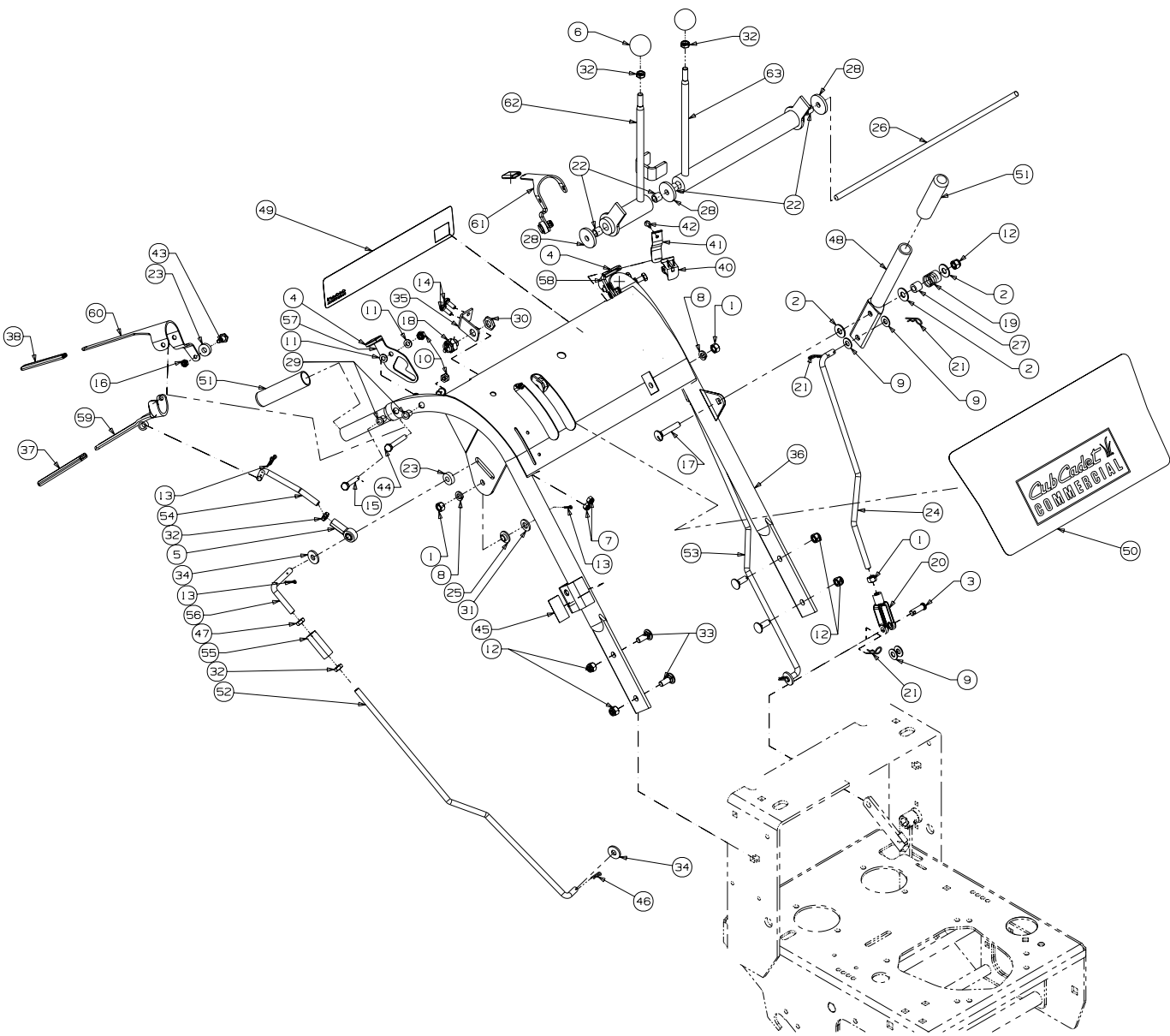


GD: 01006557-P01

Hydro Brake Assembly WT - Parts List for Figure 18

Ref. No.	Part No.	Description	Qty.
1	01002626	Nut, Castle, 3/4-16	2
2	00008495	Capscrew, 3/8-16 x 1" Grade 5 Zinc	1
3	00011446	Cap Screw, 1/4-20 x 1.50, Grade 5	2
4	00012081	Bolt, Wheel, 1/2-20 x 1-3/8	8
5	00012152	Lock Nut, Nylon Insert, 1/4-20 Grade A	2
6	00012157	Lock Washer, 3/8 Zinc	1
7	00012161	Capscrew, Socket Button Hd., 3/8-16 x 3/4 Zinc	8
8	00012165	Nut, 5/16-18, Nylock	4
9	00012173	Nut, Nylon Insert, 3/8-16 Grade A	1
10	00012204	Cotter Pin, 3/32 x 3/4, Zinc	4
11	00012380	Cotter Pin, 5/32 x 1-1/2 Zinc	2
12	00012522	Brake Cam, Actuating	2
13	00012553	Brake Shoe w/Lining, 6 x 1-1/4	4
14	00012554	Brake Spring, Tension	4
15	00012555	Brake Spring, Anti-Vibration	4
16	00 013406	Cap Screw, 5/16-18 x 3/4, Grade 5	4
17	00014149	Cotter Pin, 3/32 x 1, Zinc	2
18	00021930	Brake Rod	2
19	00021943	Swivel Joint	2
20	00021952	Knob, Red, Shift w/Insert	1
21	00021956	Hair Pin, 3/8"-1/2"	2
22	00035477	Joint, Brake Pull	1
23	00063173	Lever Assembly, Brake	1
24	00063679	Brake Clamp, Control Assembly, Hydro	2
25	00063727	Rod, Long Brake, Hydro WB	1
26	00063612	Pivot Spacer, Hydro WB	1
27	01001382	Brake Drum	2
28	01001384	Hub, Wheel Motor	2
29	01001388	Brake Pivot Shaft Assembly	1
30	01002292	Pivot Mount, Brake	2
31	01002511	Nut, 3/8-16, Jam, Grade 2	1
32	01003017	Brake Backing Plate	2

Standard Handle Assembly - Figure 19

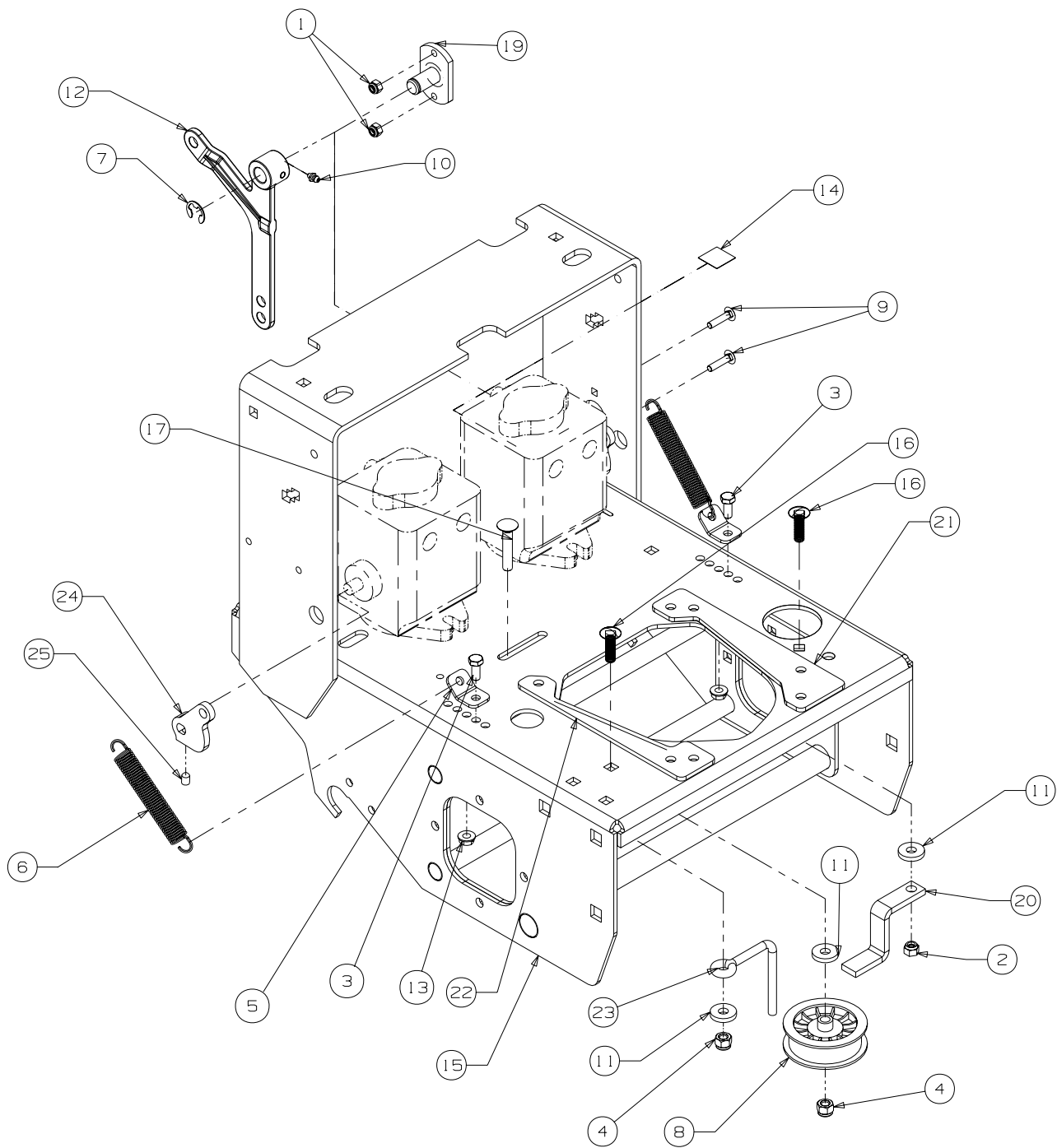


GD: 01007991-P09

Standard Handle Assembly- Parts List for Figure 19

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	00006131	Hex Nut, 3/8 - 16	3	33	01000643	Carriage Bolt, 3/8 -16 x 2	4
2	00006168	Flat Washer, SS, 3/8	3	34	01000723	Flat Washer .406 ID x 1.00 OD	4
3	00009678	Clevis Pin, 3/8 x 1 1/8	1	35	01001377	Mounting Switch, Neutral, Safety	2
4	00011211	Grip, 1.25, Black Neutral Lock	2	36	01001704	Hydro, Handle Assembly	1
5	01000451	End Rod, 3/8, Female	2	37	01001714	Control Sleeve, Drive Black	2
6	00012118	Knob, 1-3/8 x 1-19/64, 3/8-24	2	38	01001715	Operators Control Sleeve, Yellow	2
7	00012152	Lock Nut, Nylon Insert, 1/4-20	4	39	01001716	Harness Adapter Assembly	1
8	00012157	Lock Washer, 3/8 Zinc	2	40	01001717	Snap Mounting Switch	2
9	00012158	Flat Washer, 3/8, SAE	4	41	01001863	Retension Spring	2
10	00012165	Nut, 5/16-18	4	42	01001864	Screw, TT, 10-24, .5	2
11	00012169	Flat Washer, SAE 5/16	4	43	01001919	Shoulder Screw, .38 x .412, 1/4-28	2
12	00012173	Lock Nut, Nylon Insert, 3/8-16	5	44	01001972	HHCS, 5/16-18, 2.00	2
13	00012562	Cotter Pin, 5/32 x 1-1/2 Zinc	8	45	01002171	Parking Brake Decal	1
14	00013131	HHCS, 1/4-20, .75	4	46	01002771	Cotter Pin Internal, .072 x 1.12	2
15	00013198	HHCS, Standard, 5/16-18 x 2	2	47	01002986	Left Hand Threaded Jam Nut, 3/8-24	2
16	00014081	Lock Nut, Nylon Insert, 1/4 - 28	2	48	01003209	Clutch Lever Blade	1
17	00014270	Carriage Bolt, 3/8 -16 x 2	1	49	01006132	Lable Handle	1
18	00015903	Switch Operator's Presence	2	50	01006669	Panel Label	1
19	00021797	Spring, .850	1	51	01007530	Black Handle Thin Grip	3
20	00021955	Yoke, 3/8 - 16, Female	1	52	01007731	Large Right Control Rod	1
21	00021956	Hair Pin, 3/8 - 1/2	3	53	01007732	Large Left Control Rod	1
22	00024172	Bushing, 9/16 OD x 3/8 ID x 1/2	4	54	01007733	Short Control Rod	2
23	00071691	Hydro, Spacer Control Rod	4	55	01007734	Turnbuckle	2
24	00071879	Blade Clutch, Hydro Rod Base	1	56	01007735	Upper Control Rod	2
25	00072892	Hydro Bush Control Rod	2	57	01010156	Latch, RH, Neutral Hydro	1
26	00073092	Hydro Rod, Speed Control	1	58	01010157	Latch, LH, Neutral Hydro	1
27	00076730	Sleeve Spring, 32/36/48	1	59	02002358	Control Lever Assembly	2
28	00077495	Friction Washer	3	60	02002360	Operator Presence Control Handle, RH	1
29	00087108	Nylon Bushing	8	61	02002362	Operator Presence Control Handle, LH	1
30	00090995	Hex Nut, Dead Man Switch	2	62	02003722	Control Assembly, Speed Hydro, RH	1
31	01000393	Washer, .469 ID x .875 OD x .105	2	63	02003723	Control Assembly, Speed Hydro, LH	1
32	01000450	Hex Jam Nut, 3/8-24	6				

Standard Engine Deck Assembly Hydro - Figure 20



Note: Add lubricant at ref. 10

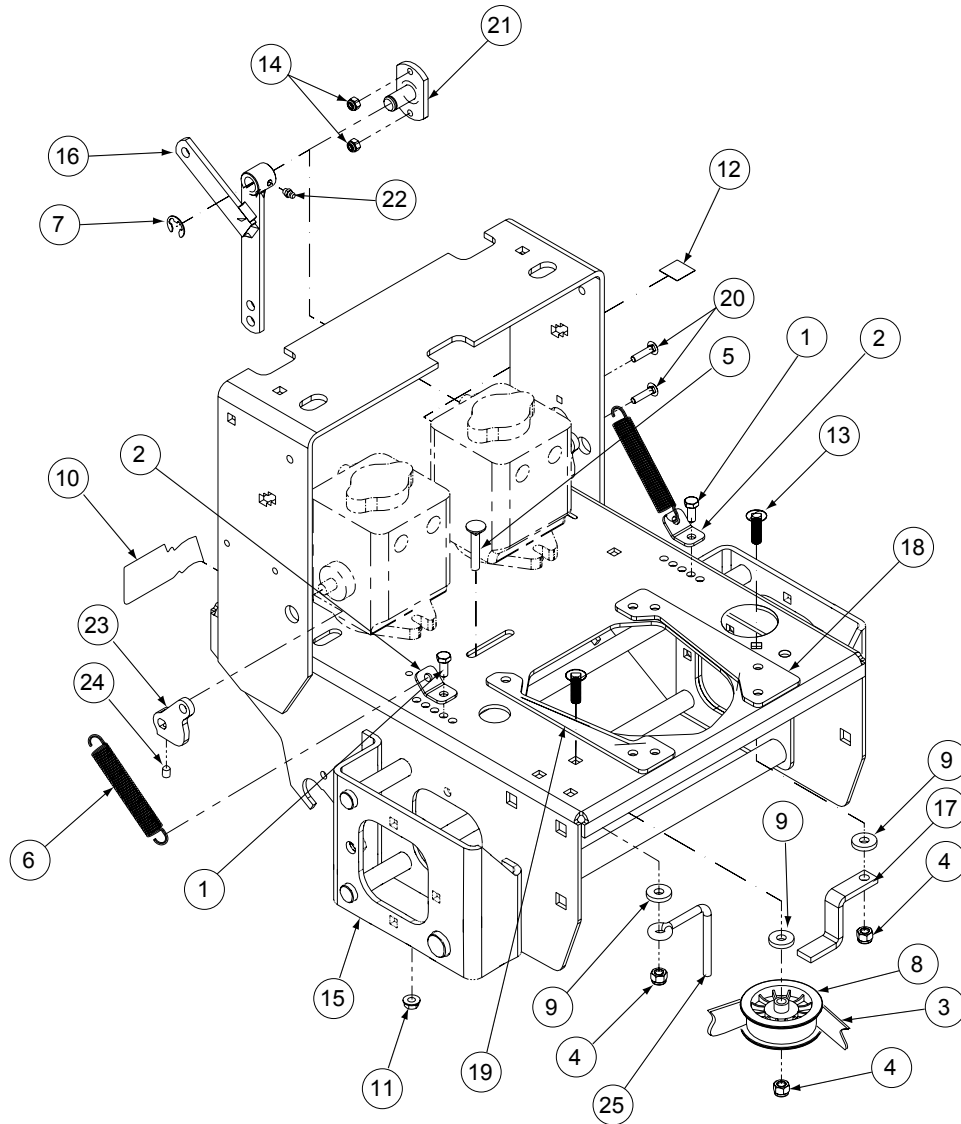
GD: 01007990-P08

Standard Engine Deck Assembly Hydro - Parts List for Figure 20

Ref. No.	Part No.	Description	Qty.
1	00012152	Nut, L, Nylon Insert, 1/4-20 Grade A	2
2	00012165	Nut, 5/16-18, Nylock	1
3	00013406	Hex Cap Screw, 5/16-18 x .75	2
4	00012173	Nut, L, Nylon Insert, 3/8-16 Grade A	2
5	02004194	Mounting Bracket, Spring	2
6	00020816	Spring, Music Wire, LE-093G-9, Plated	2
7	00021962	E-Ring, 5/8" #5113-62	1
8	02004558	Pulley, Flat Idler W/Adaptor	1
9	00031602	Carriage Bolt, 1/4-20 x 1.00	2
10	00060078	Grease Fitting, 1/4-28 x 3/16 STR	1
11	00083192	Washer, Idler	3
12	01007579	Belt, Hydro Pump, 36"	1
	01007333	Belt, Hydro Pump, 48"	1
13	01000635	Lock Nut, 5/16-18, Hex Flange Lock	2
14	01001035	Label, Mower, Warn, Open Belt Drive	1
15	01001086	Engine Base Assembly, Hydro	1
16	01002010	Carriage Bolt, 3/8-16 x 1.25 Grade 5	2
17	01002011	Carriage Bolt, 3/8-16 x 2 Grade 5	1
18	00021906	Bellcrank Pivot Weldment	1
19	01003146	Belt Guide, Engine, 36/42/48	1
20	01004392	Spacer, Engine, Left Hand	1
21	01004395	Spacer, Engine, Right Hand	1
22	01005114	Belt Guide, 3.375	1
23	01007568	Pump Lever	2
24	01008004	Set Screw, 5/16-24 x 1.25	2
25	01009455	Bellcrank Clutch, Casting	1

Note: Lubricant Grease by the Pound

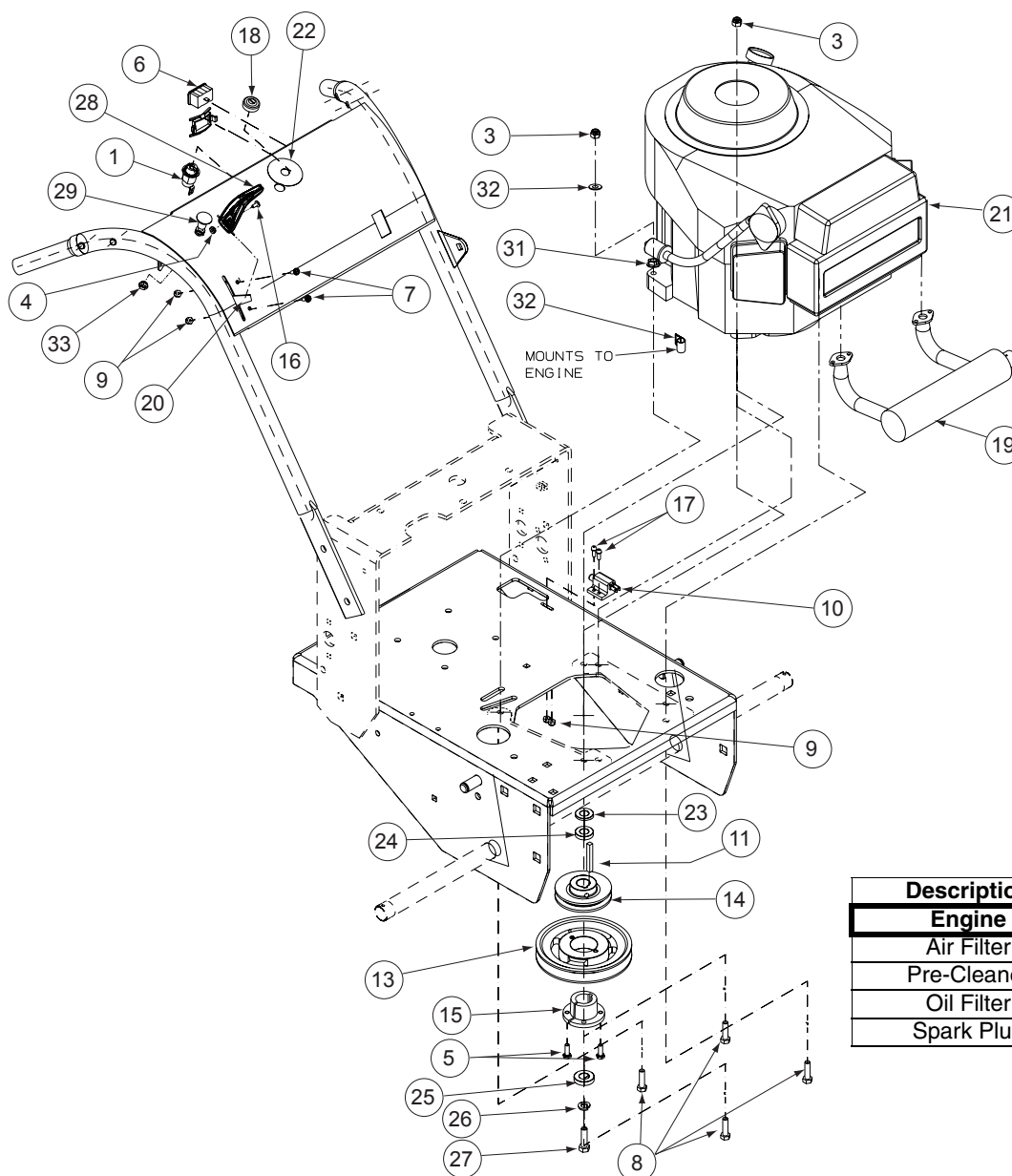
Engine Deck Assembly Hydro WT - Figure 21 and Parts List



GD: 01007989-P10

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	00013406	Hex Cap Screw, 5/16-18 x .75	2	14	00012152	Nut, L, Nylon Insert, 1/4-20 Grade A	2
2	02004194	Mounting Bracket, Spring	2	15	01002117	Engine Base Assembly	1
3	01007333	Belt, Hydro Pump	1	16	01009455	Bellcrank Clutch	1
4	00012173	Nut, L, Nylon Insert, 3/8-16 Grade A	3	17	01003146	Belt Guide, Engine, 36/42/48	1
5	01002011	Carriage Bolt, 3/8-16 x 2 Grade 5	1	18	01004392	Spacer, Engine, LH	1
6	00020816	Spring, Music Wire, LE-093G-9, Plated	2	19	01004395	Spacer, Engine, RH	1
7	00021962	E-Ring, 5/8" #5113-62	1	20	00031602	Carriage Bolt, 1/4-20 x 1.00	2
8	02004558	Pulley, Flat Idler W/Adaptor	1	21	00021906	Bellcrank Pivot Weldment	1
9	00083192	Washer, Idler	3	22	00060078	Grease Fitting, 1/4-28 x 3/16	1
10	00090006	Decal, "Made In America"	1	23	01007568	Hydro Pump Lever	2
11	01000635	Lock Nut, 5/16-18, Hex Flange Lock	2	24	01008004	Set Screw, 5/16-24 x .50	2
12	01001035	Label, Mower, Warn, Open Belt Drive	1	25	01005114	Belt Guide, 3.375	1
13	01002010	Carriage Bolt, 3/8-16 x 1.25 Grade 5	2	Note: Lubricant Grease by the Pound			

15HP Kawasaki Kai Engine Assembly - Figure 22 and Parts List

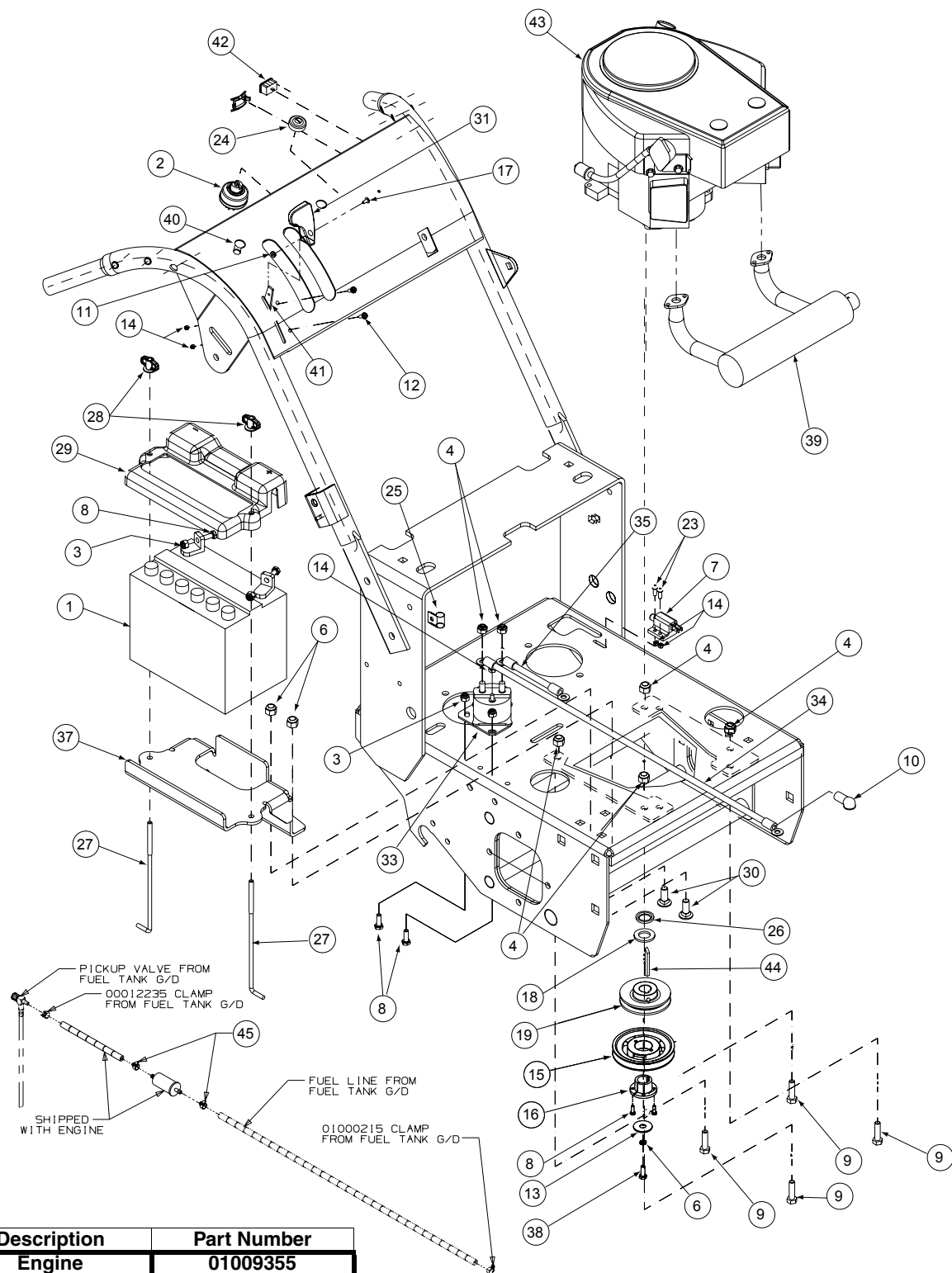


Description	Part Number
Engine	01009795
Air Filter	KM-11013-7031
Pre-Cleaner	KM-11013-7025
Oil Filter	KM-49065-2078
Spark Plug	KM-92070-7003

GD: 01009898-P06

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	00010943	Single Ignition ON/OFF Switch	1	17	00030906	Machine Screw, 10-32 x 5/8	2
2	01001811	Harness Hourmeter (not shown)	1	18	00032097	Nut, w/Cap, 5/8-32, Ignition	1
3	00012165	Nut, 5/16-18 Nylock	4	19	01009792	Muffler	1
4	00060056	Nut, 8-32, w/ star washer	1	20	01003273	Throttle Control, w/Detent, 47.25	1
5	00013131	Hex Cap Screw, 1/4-20, .75	2	21	01009795	Engine, 15HP Kawasaki Kai	1
6	01005389	Hour Meter includes:	1	22	01002006	Decal, Pull Start Overlay	1
	02004259	Clip	1	23	00073094	Engine Pulley Spacer, 12.5 Vanguard	1
7	00013669	Screw, Hex Washer, 10-32 x 1/2	2	24	00072586	Flat Washer	1
8	00006129	Cap Screw, 5/16-18 x 1-3/4	4	25	00013675	Clutch Washer	1
9	00014608	Lock Nut, Nylon Insert, 10-32	4	26	00012195	Lock Washer, 7/16	1
10	00018324	Delta Switch	1	27	01002884	Capscrew, 7/16-20 x 1-1/4	1
11	01007533	Key Stock, 1/4 x 1/4 x 2-3/4	1	28	01004004	Throttle Control Knob	1
12	00062980	Harness Wire (not shown)	1	29	02003479	Choke Cable	1
13	00021970	Deck Pulley	1	30	00012166	Hex Nut, 5/16-18	1
14	01007339	Traction Drive Pulley	1	31	00012169	Flat Washer, 5/16 Zinc	1
15	00021973	Bushing Type D	1	32	00060807	Support Clamp	1
16	01000721	Machine Screw, 8-32	1	33	01000450	Jam Nut, 3/8-24	1

17HP Kawasaki Kai Engine Assembly - Figure 23



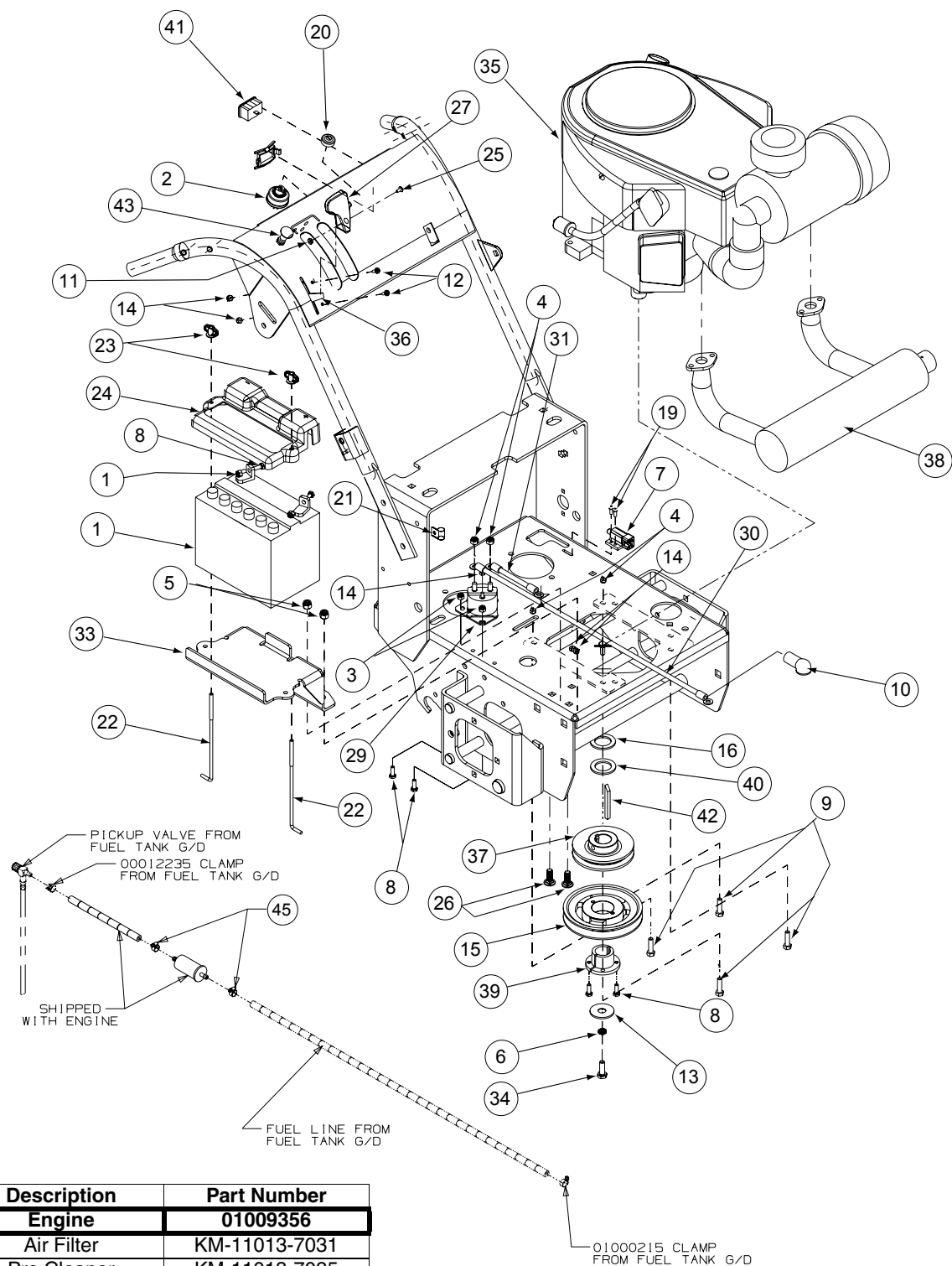
Description	Part Number
Engine	01009355
Air Filter	KM-11013-7031
Pre Cleaner	KM-11013-7025
Oil Filter	KM-49065-2078
Spark Plug	KM-92070-7003
Muffler	01008867
Muffler Gasket	KM-11060-7021
Fuel Filter	KM-49019-7001

GD: 01009901-P04

17HP Kawasaki Engine Assembly WT- Parts List for Figure 23

Ref. No.	Part No.	Description	Qty.
1	00012032	Battery 12V	1
2	00012120	Ignition Switch	1
3	00012152	Lock Nut Nylon Insert, 1/4-20	4
4	00012165	Nylock Nut, 5/16-18	6
5	00012173	Nylock Nut, 3/8-16	2
6	00012195	Lock Washer, 7/16	1
7	00012242	Delta Switch	1
8	00013131	Hex Cap Screw, 1/4-20, .75	6
9	00013198	Hex Cap Screw, 5/16-18 x 2	4
10	00013258	Rubber Boot, 1" OD	1
11	00060056	Nut, 8-32, w/ star washer	1
12	00013669	Screw, Hex Washer w/slot, 10-32x1/2	2
13	00013675	Clutch Washer	1
14	00014608	Lock Nut, Nylon Insert, #10-32	5
15	00021970	Deck Pulley	1
16	00021973	Bushing	1
17	01000721	Machine Screw, 8-32	1
18	00023822	Washer	1
19	01007339	Cast Pulley, 1" Bore	1
20	01007333	Hydro Pump Belt	1
21	00024233	Black Battery Cable, 17" Long	1
22	00030574	Harness Wire (not shown)	1
23	00030906	Machine Screw, 10 -32 x 5/8	2
24	00032097	Nut w/cap 5/8-32	1
25	00060807	Support Clamp 3/8 OD	1
26	00073094	Engine Pulley Spacer, 12.5	1
27	01000202	Battery Holdown Rod	2
28	01000203	Wing Nut, 1/4-20 w/Bell Washer	2
29	01000204	Battery Cover	1
30	01000643	Carriage Bolt, 3/8-16 x 1	2
31	01004004	Throttle Control Knob	1
32	01001811	Harness Hourmeter	1
33	01002228	Magnetic Solenoid Switch	1
34	01002252	24" Red Battery Cable	1
35	01002253	5" Red Battery Cable	1
36	01002433	Harness Adapter Kawasaki	1
37	01002637	Battery Bracket	1
38	01002884	Capscrew, 7/16-20 x 1-1/4	1
39	01008867	Muffler	1
40	02003479	Cable Choke	1
41	01003273	Control Throttle w/Detent	1
42	01005389	Hour Meter includes:	1
	02004259	Clip	1
43	01009355	17 HP Kawasaki Kai Engine	1
44	01007533	Bevel Key, 1/4 x 1/4 x 2.75	1
45	01000215	Hose Clamp, 1/4-5/8, SS	2

19HP Kawasaki Engine Assembly - Figure 24



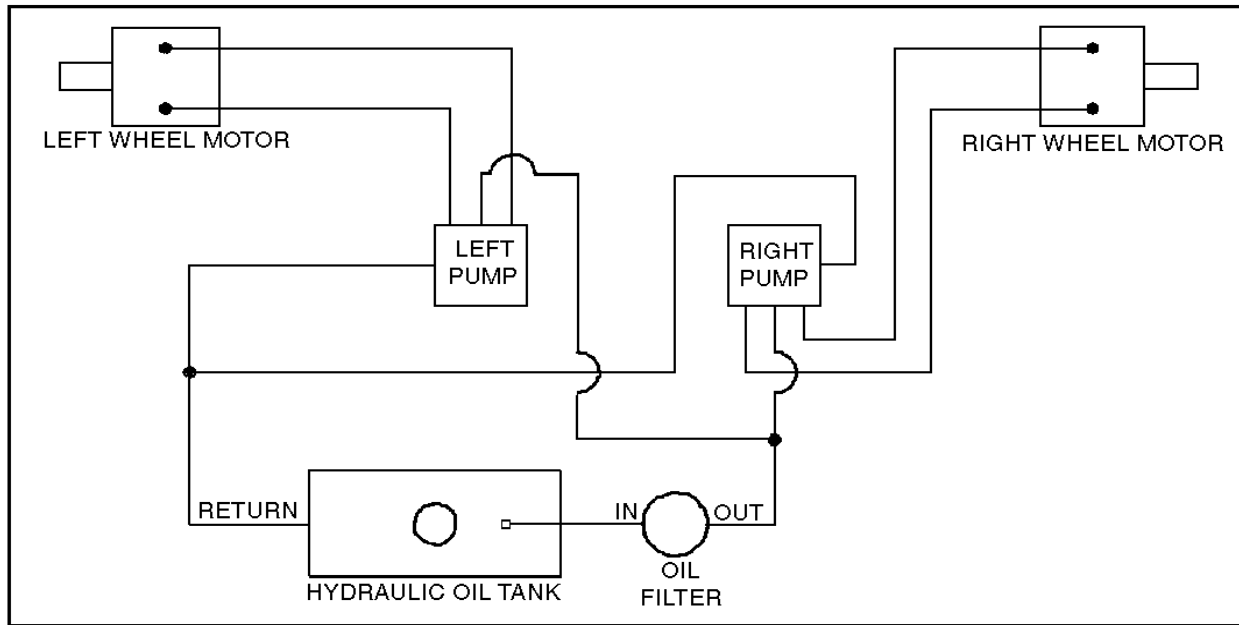
Description	Part Number
Engine	01009356
Air Filter	KM-11013-7031
Pre Cleaner	KM-11013-7025
Oil Filter	KM-49065-2078
Spark Plug	KM-92070-7003
Muffler	01008867
Muffler Gasket	KM-11060-7021
Fuel Filter	KM-49019-7001

GD: 01009899-P05

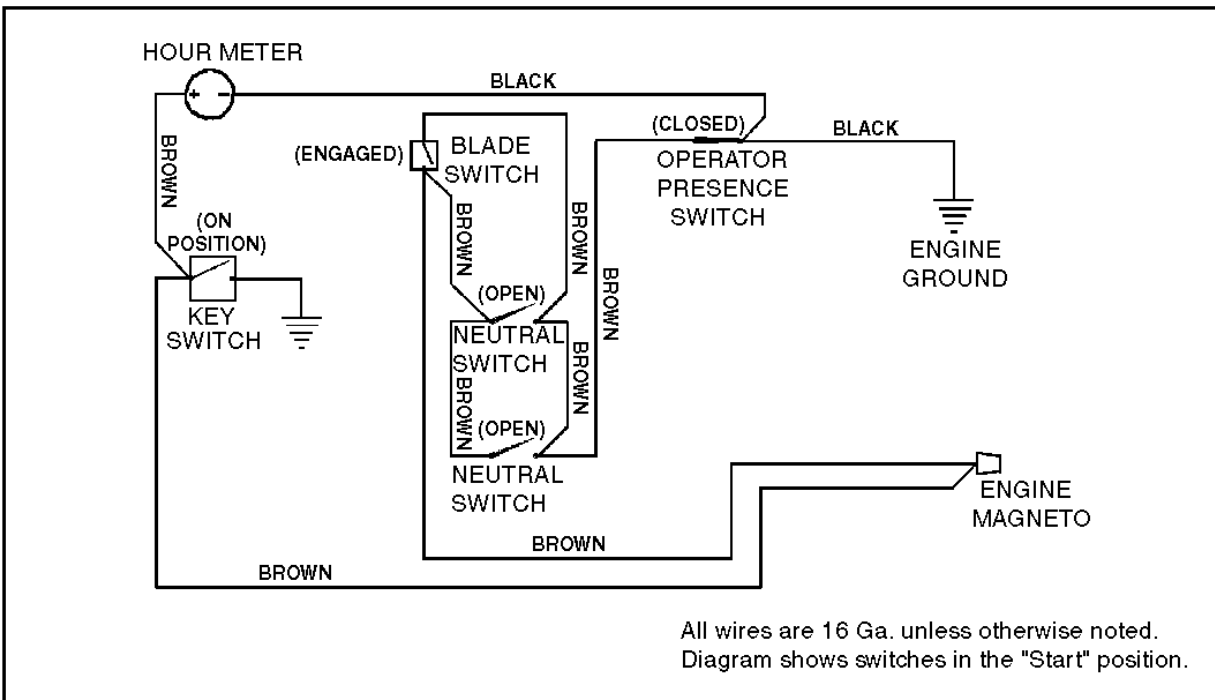
19HP Kawasaki Engine Assembly- Parts List for Figure 24

Ref. No.	Part No.	Description	Qty.
1	00012032	Battery, 12V	1
2	00012120	Ignition Switch	1
3	00012152	Lock Nut Nylon Insert, 1/4-20	4
4	00012165	Nut, 5/16-18, Nylock	6
5	00012173	Lock Nut, Nylon Insert, 3/8-16	2
6	00012195	Lock Washer, 7/16	1
7	00012242	Delta Switch	1
8	00013131	Hex Cap Screw, 1/4-20, .75	6
9	00013198	Hex Cap Screw, 5/16 -18 x 2	4
10	00013258	Rubber Boot	1
11	00060056	Nut, 8-32, w/ star washer	1
12	00013669	Screw, Hex Washer w/Slot, 10-32 x 1/2	2
13	00013675	Plated Clutch Washer	1
14	00014608	Lock Nut, Nylon Insert, 10-32	5
15	00021970	Deck Pulley	1
16	00073094	Engine Pulley Spacer	1
17	00024233	Black Battery Cable 17" Long	1
18	00030574	Harness Wire (not shown)	1
19	00030906	Machine Screw, 10-32 x 5/8	2
20	00032097	Nut, w/Cap, 5/8-32 Ignition	1
21	00060807	Support Clamp, 3/8 OD	1
22	01000202	Battery Hold Down Rod	2
23	01000203	Wing Nut, 1/4-20 w/Bell Wash	2
24	01000204	Large Battery Cover	1
25	01000721	Machine Screw, 8-32	1
26	01000643	Carriage Bolt, 3/8-16 x 1	2
27	01004004	Throttle Control Knob	1
28	01001811	Hourmeter Harness, (not shown)	1
29	01002228	Magnetic Solenoid Switch	1
30	01002252	Red Battery Cable 24"	1
31	01002253	Red Battery Cable 5"	1
32	01002433	Kawasaki Harness Adapter (not shown)	1
33	01002637	Battery Bracket	1
34	01002884	Capscrew, 7/16-20 x 1-1/4"	1
35	01009356	19 Hp Twin Kawasaki Kai Engine	1
36	01003273	Control Throttle w/detent	1
37	01007339	Cast Pulley, 1.125 Bore,	1
38	01008867	Muffler	1
39	00021973	Bushing, 1-1/8	1
40	00023822	Special Washer	1
41	01005389	Hour Meter includes:	1
	02004259	Clip	1
42	01007533	Key Stick, 1/4 x 1/4 x 2.75	1
43	02003479	Choke Cable	1
44	01007333	Hydro Pump Belt	1
45	01000215	Hose Clamp, 1/4-5/8, SS	2

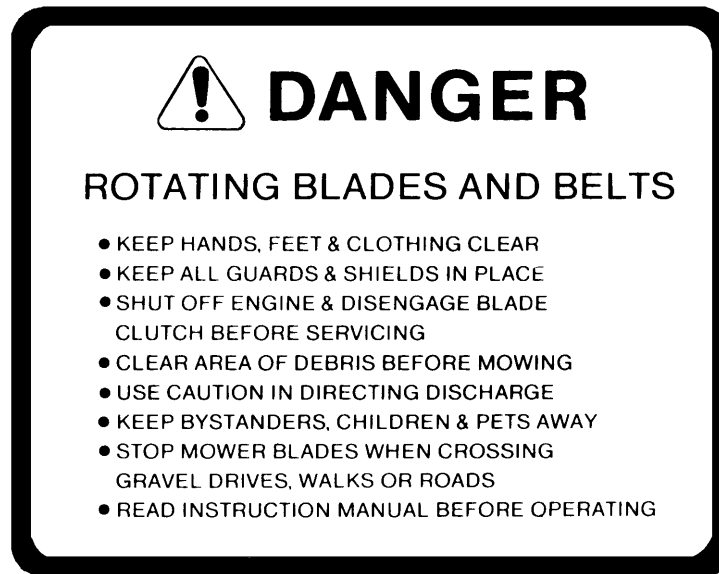
Hydraulic Diagram - Figure 25



15HPElectrical Diagram - Figure 26



Safety and Instructional Decals



Safety and Instructional Decals

LEFT STEERING CONTROL

REVERSE
STOP
FORWARD

←

CAUTION

Serious bodily injury may result from failure to follow safe operator procedure.

- Read the operator's manual before operating this machine.
- Clear area of debris before mowing.
- Do not remove or disable any shields, guards or safety devices.
- Always engage the parking brake when transporting the machine or when parking the machine on a grade.
- Stop engine, disconnect spark plug and disengage blade drive before adjusting or servicing.
- Keep people and pets a safe distance away from machine.
- Do not add fuel while engine is warm or running.
- Use caution on slopes.
- Before leaving the operators position:
 - Disengage cutter blades.
 - Place speed control in neutral and engage neutral locks.
 - Wait for all movement to stop.

RIGHT STEERING CONTROL

→

REVERSE
STOP
FORWARD

CLOSE FUEL VALVE
WHEN MACHINE IS
NOT IN USE

IF VALVE IS LEFT OPEN,
SEVERE ENGINE DAMAGE
OR HARD STARTING MAY
RESULT FROM FLOODING

⚠

WARNING

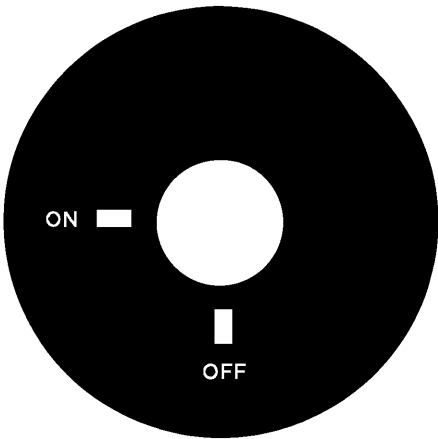
– TURN OFF ENGINE AND ALLOW
TO COOL BEFORE REFUELING.

– DO NOT SMOKE NEAR FUEL.

WARNING

OPEN BELT DRIVE

STOP ENGINE BEFORE
REACHING UNDERNEATH



OIL

USE ONLY 20W50

OFF

↑

PARKING
BRAKE

↓

ON

CAUTION

BATTERY

Notes

[illegible]

[illegible]

Notes

[illegible]



Cub Cadet Commercial
P.O. Box 368023
Cleveland, OH 44136