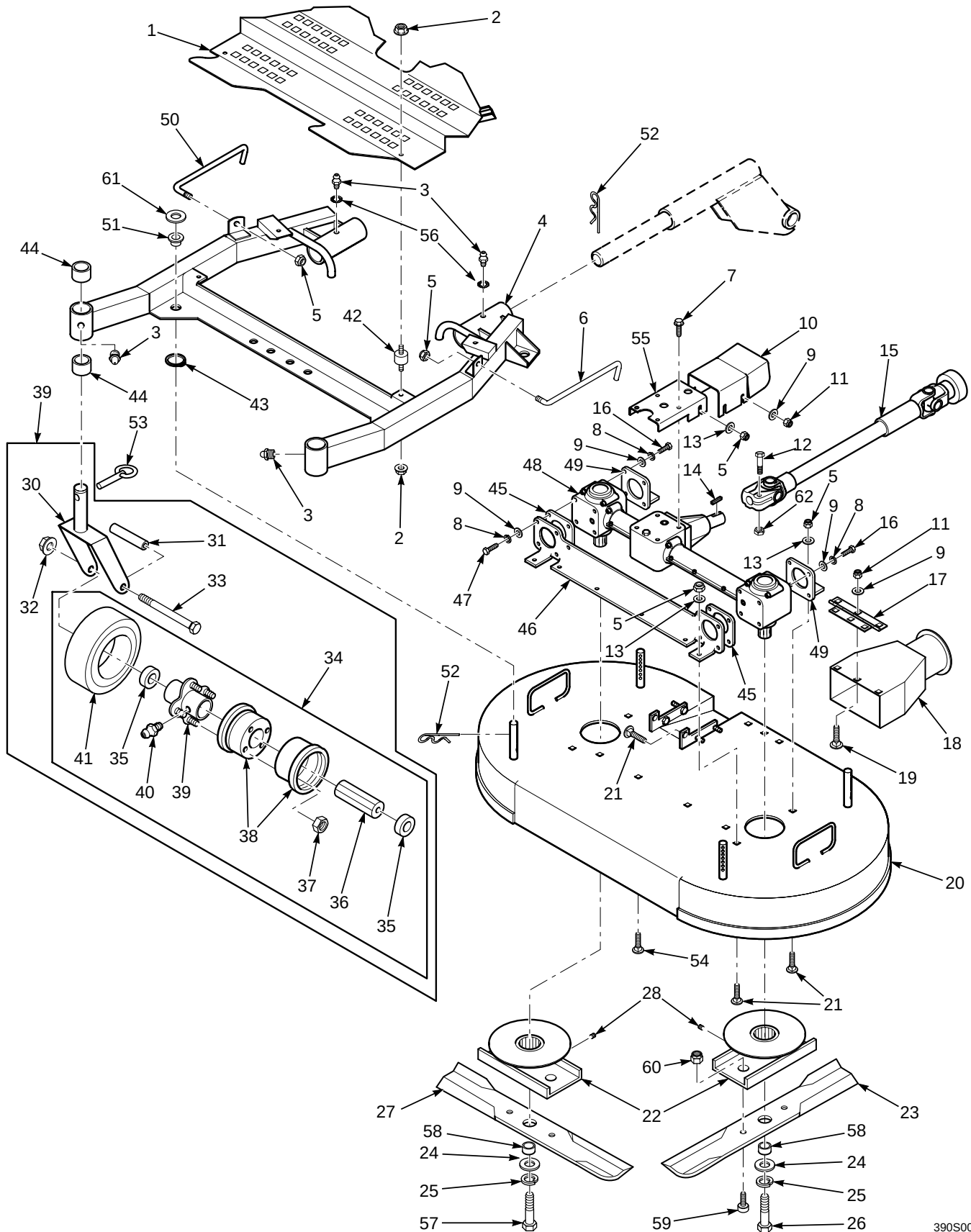


CUTTER DECK



CUTTER DECK

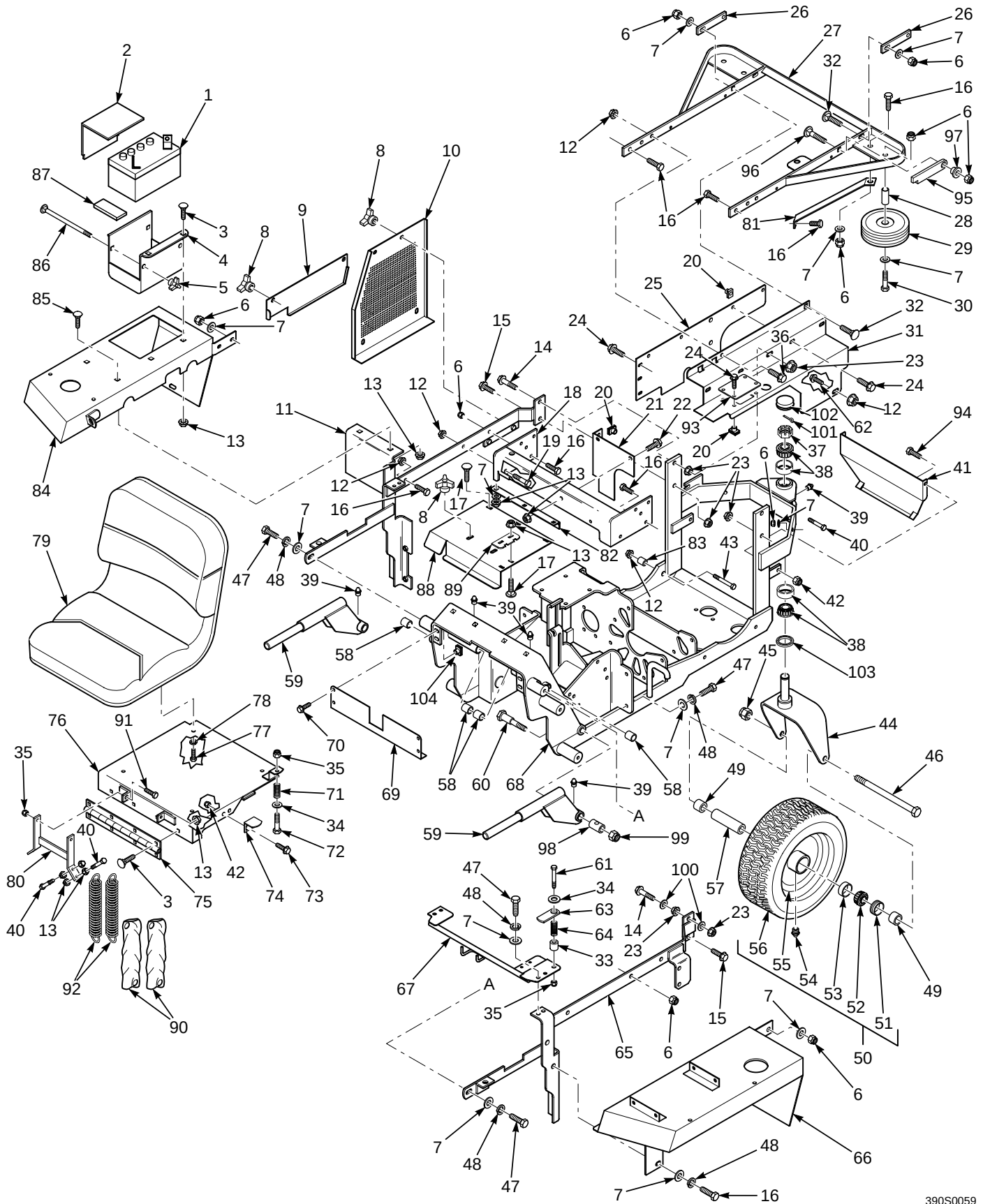
Ref. Part. No. Number	Description	Ref. Part. No. Number	Description
1 45811	Foot Plate	35 48006-07	Retainer, Caster Wheel
2 04019-03	Serr. Fl. Hex Nut, 5/16-18	36 48006-06	Roller Bearing, Caster Wheel
3 48114-04	Grease Fitting	37 48307-08	Tapered Hex Nut, 5/16-24
4 46964	Frame, Cutter Deck Support (incl. 3,44,56)	38 48307-04	Rim Pair, Caster Wheel
5 04021-09	Hex Locknut, Elastic Stop, 3/8-16	39 48006-05	Hub Assembly with Bolts
6 44120	Rod, Deck Prop - L.H.	40 48114-03	Grease Fitting
7 04017-16	Serr. Fl. Hex Head CPSCRW, 5/16-18 x 3/4"	41 48307-02	Tire
8 04030-03	Lockwasher, 5/16"	N/S 48006-03	Inner Tube
9 04040-15	Flatwasher, 5/16 (.375 x .875 x .083)	42 481311	Isolator, Rubber
10 45887	Guard, U-Joint	43 04050-04	Retainer Ring, 1.00"
11 04021-10	Hex Locknut, Elastic Stop, 5/16"	44 48100-01	Bushing, Oilite, .877 ID
12 04001-20	Bolt, Hex Head, 3/8-16 X 1-1/2"	45 422046	Spacer
13 04041-07	Flatwasher, 3/8 (.391 x .938 x .105)	46 421928	Mounting Bracket - Front
14 04063-20	Key, 1/4 x 1/4 x 1.00"	47 04001-10	Bolt, Hex Head, 5/16-18 1-1/4"
15 481505	Drive Shaft	48 481596	Gearbox Assembly (Includes 48A ,48B And 48C)
16 04001-09	Bolt, Hex Head, 5/16-18 x 1.00"	48A 481626	Gearbox, LH
17 481262	Hinge, Discharge Chute	48B 481627	Gearbox, RH
18 45767	Chute, Cutter Deck	48C 481410	Gearbox, Center
19 04003-12	Carriage Bolt, 5/16-18 x 3/4"	49 421929	Mounting Bracket - Rear
20 46965	Cutter Deck With Decals	50 44121	Rod, Deck Prop - R.H.
21 04003-23	Carriage Bolt, 3/8-16 x 1.0"	51 481264	Bushing, Cutter Deck Support
22 45863	Adapter, Blade Drive	52 04062-04	Hairpin, Cotter, .177 x 3.25"
23 481554	Blade, Cutter - L.H.	53 04066-01	Quick Pin
24 04041-18	Flatwasher, 7/16 (.469 x 1.50 x .25)	54 04003-11	Carriage Bolt, 3/8-16 x 1-1/4"
25 04030-05	Lockwasher, 7/16"	55 422109	Bracket, Anti-Rotation
26 04001-102	Bolt, Hex Head, 7/16-20 x 1-3/4"	56 04031-08	Washer, Internal Lock
27 481555	Blade, Cutter - R.H.	57 04001-143	Bolt, Hex Head, 7/16-20 x 1-3/4" LH Thread
28 04012-04	Setscrew, Hex Socket, 5/16-18 x 3/8"	58 43491	Spacer, Cutter Blade
29 49111	Caster Wheel Yoke Assy (Includes 30 thru34)	59 *	Capscrew, #10-32 x 3/4"
30 45768	Yoke, Caster Wheel	60 *	Locknut, #10-32 Elastic Stop
31 43022	Sleeve	61 04040-10	Flatwasher, 5/8" (.688 x 1.750 x .134)
32 04021-07	Hex Locknut, Elastic Stop, 1/2-13	62 04021-05	Locknut, 3/8-16
33 04001-37	Bolt, Hex Head, 1/2-13 x 5-1/2"		
34 48307	Caster Wheel Assembly (Includes 35 thru 41)		

* Purchase part 461035 Shear Bolt Package to replace these parts. (4 of each per package)

-NOTE-

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SHEET METAL



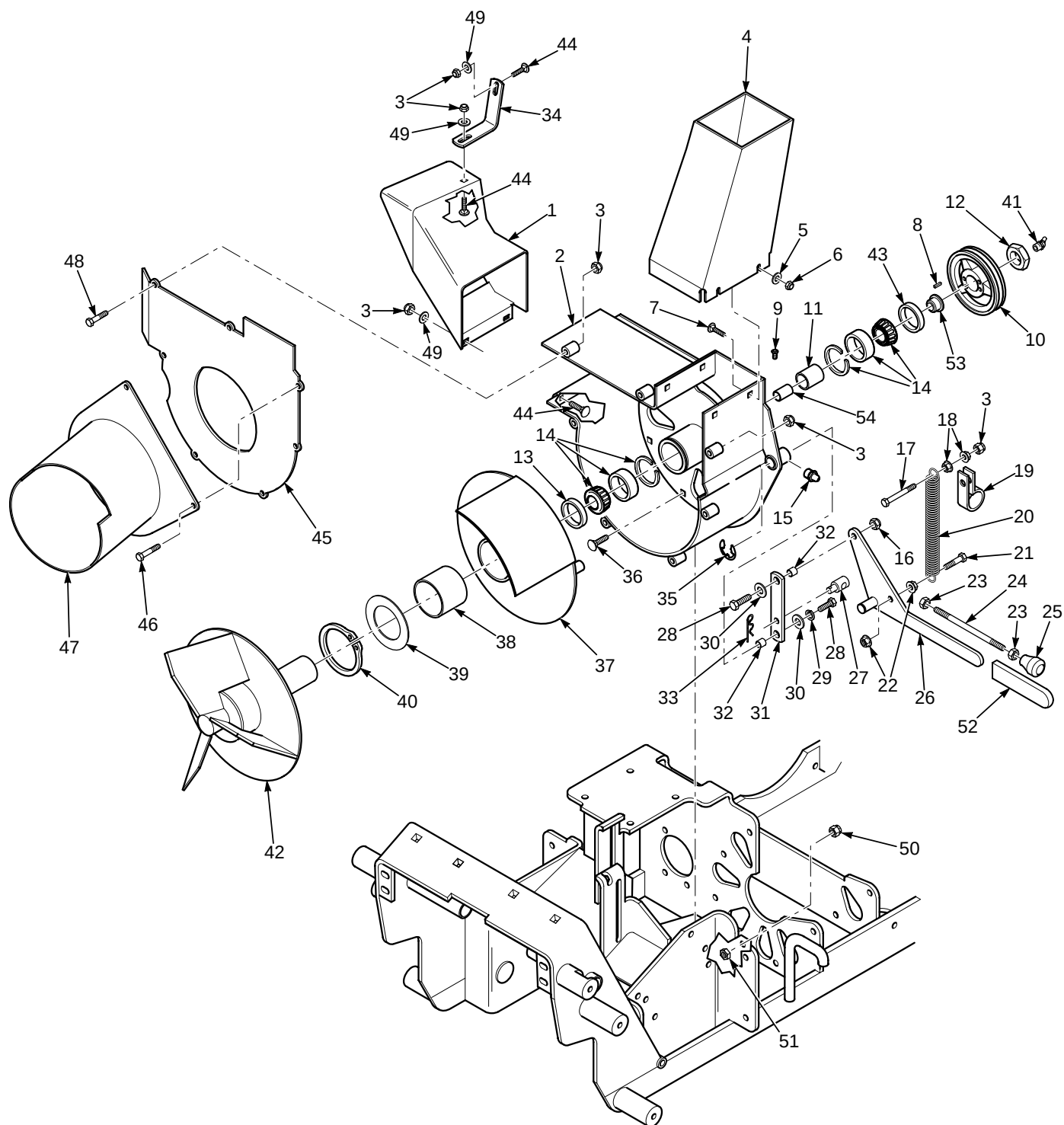
SHEET METAL

Ref. Part. No. Number Description	Ref. Part. No. Number Description
1 48015 Battery	53 48005-04 Cup, Bearing
2 42392 Cover, Battery	54 48114-06 Grease Fitting
3 04003-12 Carriage Bolt, 5/16-18 x 3/4	55 481303-03 Rim
4 421197 Box, Battery	56 481303-02 Tire
5 04029-01 Wingnut, Plastic, 1/4-20	57 43405 Sleeve, Rear Tire
6 04021-09 Hex Locknut, Elastic Stop, 3/8-16	58 48100-06 Bushing, Oilite, .753 ID
7 04041-07 Flatwasher, 3/8 (.391 x .938 x .105)	59 46959 Shaft, Push Arm Mounting
8 04029-03 Wingnut, Plastic, 3/8-16"	60 43434 Pivot, Pusharm
9 422088 Belt Cover, Front	61 04001-13 Bolt, Hex Head, 5/16-18 x 2-3/4"
10 422089 Belt Cover, Rear	62 04017-26 Serr. Fl. Hex Head CPSCR, 3/8-16x 3/4"
11 45950 Frame, Right Side	63 422085 Latch, Seat
12 04019-04 Serr. Fl. Hex Nut, 3/8-16"	64 48050 Spring
13 04019-03 Serr. Fl. Hex Nut, 5/16-18"	65 45949 Frame, Left Side
14 04017-39 Serr. Fl. Hex Head CPSCR, 1/2-13 x 2.00"	66 461013 Fender, Left With Decal
15 04017-37 Serr. Fl. Hex Head CPSCR, 1/2-13 x 1-1/4"	67 45824 Crossbrace
16 04001-32 Bolt, Hex Head, 3/8-16 x 1-1/4"	68 461026 Frame, Main
17 04003-14 Carriage Bolt, 5/16-18 x 1/2"	69 422455 Crossmember, Front
18 421894 Cross Brace, Frame	70 04017-16 Serr. Fl. Hex Head CPSCR, 5/16-18 x 3/4"
19 04001-20 Bolt, Hex Head, 3/8-16 x 1-1/2"	71 481389 Spring, Seat
20 04110-01 U-Nut	72 04001-130 Bolt, Special
21 422082 Heat Shield, Front	73 04003-02 Serr. Fl. Hex Head CPSCR, 1/4-20 x 3/4"
22 04017-18 Serr. Fl. Hex Head CPSCR, 5/16-18 x 1-1/4"	74 422090 Actuator, Seat Switch
23 04019-06 Serr. Fl. Hex Nut, 1/2-13	75 481246 Hinge, Seat
24 04017-05 Serr. Fl. Hex Head CPSCR, 1/4-20 x 3/4"	76 45800 Seat Base
25 422311 Heat Shield, Side	77 04001-08 Bolt, Hex Head, 5/16-18 x 3/4"
26 421967 Link	78 04030-03 Lockwasher, 5/16"
27 45757 Frame, Bagger Support	79 481362 Seat
28 481376 Spacer, Wheel	80 45875 Mounting Brkt. Wlmt., Deck Springs
29 481249 Wheel, Bumper	81 421899 Brace, Bucket Support
30 04001-31 Bolt, Hex Head, 3/8-16 x 2-1/2"	82 481388 Hinge, Gearbox Cover
31 422230 Heat Shield, Top	83 43404 Spacer
32 04003-11 Carriage Bolt, 3/8-16 x 1-1/4"	84 46885 Fender, Right With Decal
33 43419 Pivot, Seat Latch	85 04003-12 Carriage Bolt, 5/16-18 x 3/4"
34 04040-15 Flatwasher, 5/16 (.375 x .875 x .083)	86 04003-01 Carriage Bolt, 1/4-20 x 6.00"
35 04021-10 Hex Locknut, Elastic Stop, 5/16-18	87 48661 Pad, Rubber
36 04017-26 Serr. Fl. Hex Head CPSCR, 3/8-16 x 3/4"	88 46966 Cover, Gearbox With Decal
37 04027-04 Castle Nut, 1.00"-14 UNS-2B	89 422087 Bracket, Dump Valve
38 48668 Bearing With Race	90 481374 Spring Cover
39 48114-04 Grease Fitting	91 04001-09 Bolt, 5/16-18 x 1.00"
40 04001-12 Bolt, Hex Head, 5/16-18 x 1-3/4"	92 481250 Spring, Deck
41 421902 Shield, Engine	93 422229 Cover, Access Hole
42 04021-08 Hex Lock Nut, Elastic Stop, 1/4-20	94 04001-01 Bolt, Hex Head 1/4-20 x 3/4"
43 04001-54 Bolt, Hex Head, 3/8-16 x 3.00"	95 422292 Prop Rod, Hopper
44 45940 Yoke, Rear Caster	96 04003-05 Carr. Bolt, 3/8-16 x 1-1/2"
45 04021-13 Hex Locknut, Elastic Stop, 5/8-11	97 43260 Washer, Step
46 04001-40 Bolt, Hex Head, 5/8-11 x 9.00"	98 481501 Bushing, 1.003 ID x 2.10"
47 04001-19 Bolt, Hex Head, 3/8-16 x 1.00"	99 04021-14 Nut, 3/4-16 UNF Elastic Stop
48 04030-04 Lockwasher, 3/8"	100 04030-13 Flatwasher, 1/2 (.562 x 1.375 x .109)
49 43020-07 Spacer	101 04061-04 5/32 x 1 1/2" Ext. Prg. Cotter Pin
50 481303 Tire and Wheel Assembly (includes 51 thru 56)	102 481559 Cap, Grease
51 48005-06 Seal	103 481025 Seal, 2.00" OD x 1.625" Bore
52 48005-05 Cone, Bearing	104 04110-02 U-Nut, 5/16-18

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BLOWER ASSEMBLY



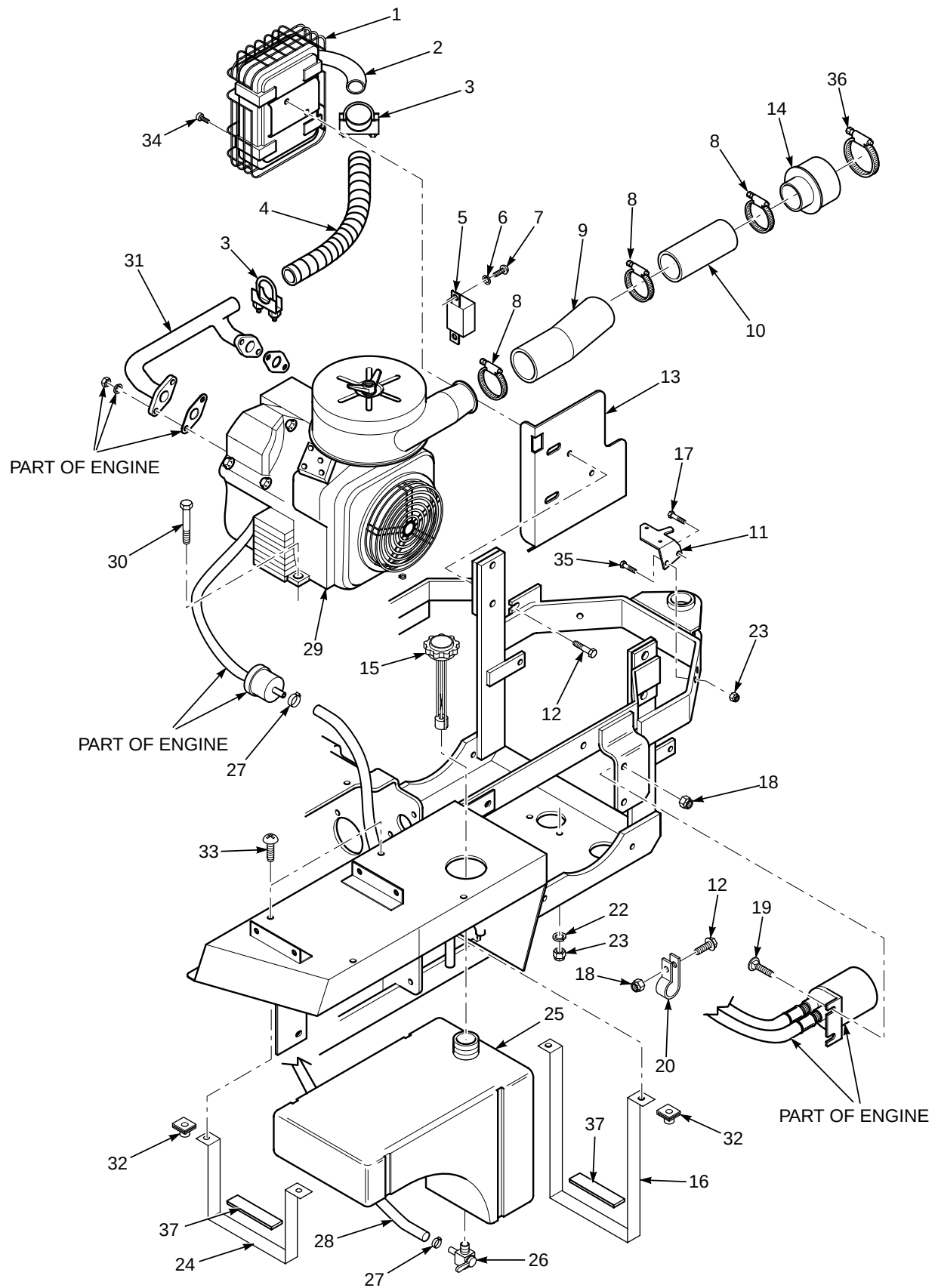
BLOWER ASSEMBLY

Ref. Part. No. Number Description	Ref. Part. No. Number Description
1 46971 Chute, Side Discharge	35 04050-01 Retaining Ring, .625 "E"
2 45871 Housing, Blower	36 04003-22 Carriage Bolt, 3/8-16 x 1-1/4"
3 04021-10 Hex Locknut, Elastic Stop, 5/16-18	37 45825 Gate
4 45819 Outlet, Blower	38 48100-12 Bushing, Oilite, 2.505 ID
5 04040-03 Flatwasher, 1/4 (.281 x .625 .065)	39 421665 Washer, Gate Retainer
6 04021-08 Hex Locknut, Elastic Stop, 1/4-20	40 04050-15 Retaining ring, 2.50 Ext
7 04003-02 Carriage Bolt, 1/4-20 x 3/4"	41 48114-09 Grease Fitting, 65°
8 04063-21 Key, 1/4 x .875 Woodruff	42 45886 Fan, Blower
9 48677 Relief Fitting	43 481025 Seal, 2.00 OD x 1.625 Bore
10 481468 Pulley, 5.25 OD	44 04003-12 Carriage Bolt, 5/16-18 x 3/4"
11 43312 Spacer, Outside	45 422287 Front, Blower Housing
12 481106 Nut, 1-1/16-18 L.H.	46 04001-11 Bolt, Hex Head, 5/16-18 x 1-1/2"
13 481024 Seal, 2.00 OD x 1.50 Bore	47 45884 Adapter, Blower Inlet
14 481022 Roller Bearing Assembly	48 04001-11 Bolt, Hex Head, 5/16-18 x 1-1/2"
15 48114-05 Grease Fitting	49 04040-15 Flatwasher, 5/16 (.375 x .875 x .083)
16 04021-05 Hex Locknut, 3/8-16	50 04021-09 Hex Locknut, Elastic Stop, 3/8-16
17 04001-53 Bolt, Hex Head, 5/16-18 x 2-1/2"	51 04020-12 Nut, Jam, 3/8-16
18 04019-03 Serr. Fl. Hex Nut, 5/16-18	52 481428 Grip
19 48030-10 Clamp	53 43297 Spindle Bushing, Bottom
20 481343 Spring	54 43296 Spacer, Inside
21 04001-20 Bolt, Hex Head, 3/8-16 x 1-1/2"	
22 04019-04 Serr. Fl. Hex Nut, 3/8-16	
23 04020-04 Hex Nut, 3/8-16	
24 04004-30 Stud, 3/8-16 x 9.00"	
25 48092 Knob, Shifter	
26 45804 Lever, Blower Gate	
27 43410 Joint, Swivel	
28 04001-19 Bolt, Hex Head, 3/8-16 x 1.0"	
29 04030-04 Lockwasher, 3/8"	
30 04040-05 Flatwasher, 3/8 (.406 x .812 x .065)	
31 422086 Link, Blower Gate	
32 43212 Sleeve	
33 04062-02 Hairpin, Cotter, .080 x 1.19"	
34 422308 Mounting Bracket, Discharge Chute	

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ENGINE AND ATTACHING PARTS



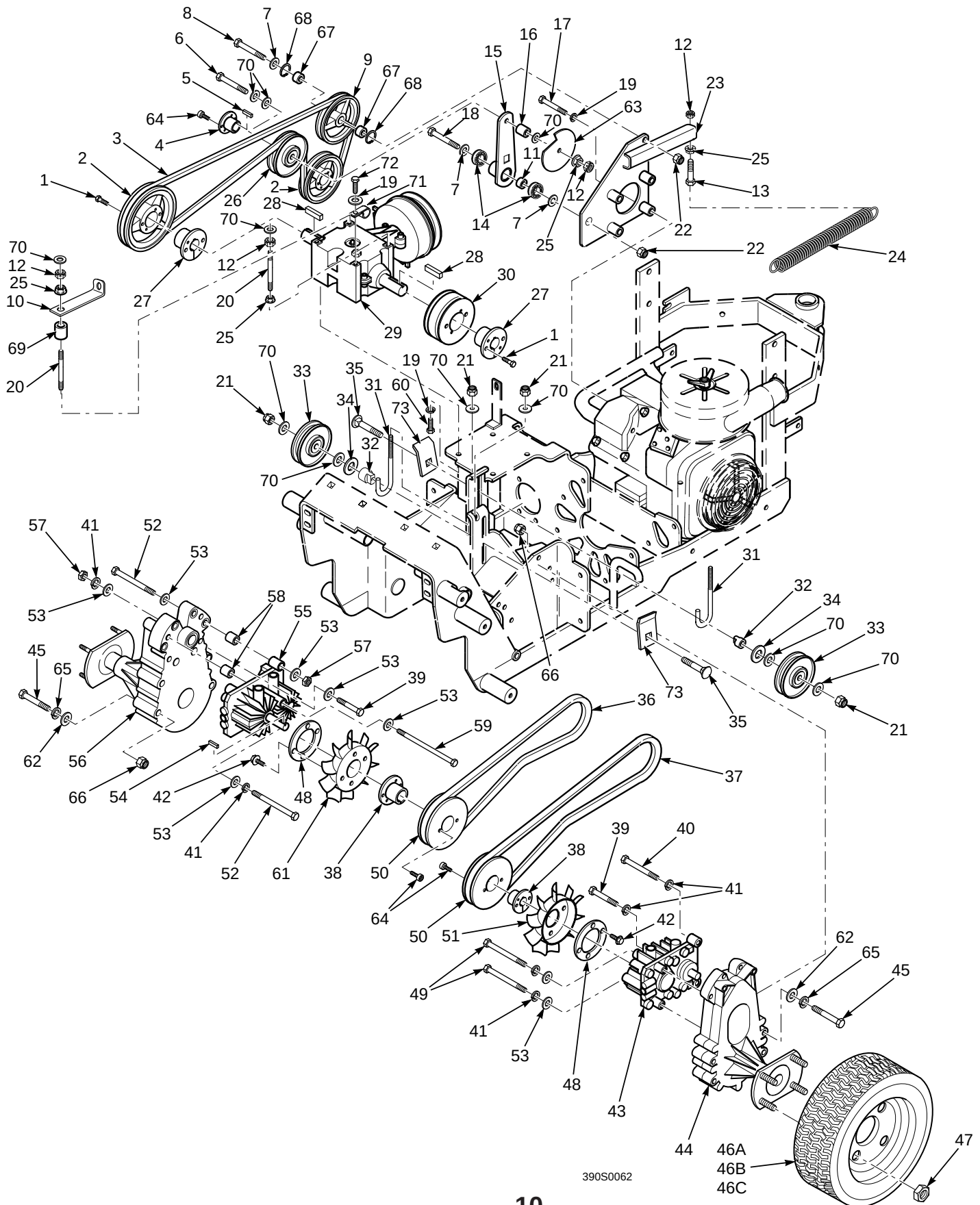
ENGINE AND ATTACHING PARTS

Ref. No.	Part. Number	Description
1	481364	Guard, Muffler
2	481449	Muffler
3	481259	Clamp, Muffler
4	481257	Exhaust Pipe, Flexible
5	481275	Relay
6	04030-02	Lockwasher, 1/4
7	04010-01	Machine Screw, Round Head, 1/4-20 x 1/2"
8	48136-09	Clamp, 2.25 Dia
9	481297	Hose, Air Intake
10	422233	Pipe Ext., Air Cleaner
11	422284	Mounting Brkt., Air Cleaner
12	04017-16	Serr. Flange HexHead, CPSCR, 5/16-18 X 3/4"
13	421916	Guard, Muffler
14	481274	Precleaner, Air Intake
15	481556	Cap, Fuel Tank, with Gauge
16	421939	Strap, Fuel Tank - Rear
17	04001-20	Hex Head Bolt, 3/8-16 x 1.50"
18	04021-10	Hex Locknut, Elastic Stop, 5/16-18
19	04003-04	Carriage Bolt, 5/16-18 x 1.00"
20	48030-11	Clamp
21	04040-04	Flatwasher, 5/16 (.344 x .688 x .065)
22	04030-04	Lockwasher, 3/8"
23	04021-09	Hex Locknut, Elastic Stop, 3/8-16
24	421938	Strap, Fuel Tank - Front
25	48651	Fuel Tank (Includes 26)
26	48308	Valve, Fuel Shut Off
27	48059-01	Clamp, Hose
28	48058	Fuel Hose -20" Long (Order Length)
29	481141	Engine, Kohler - 20 HP (20CH)
29	481150	Engine, Kohler - 22 HP (22CH)
30	04001-21	Bolt, Hex Head, 3/8-16 x 1-3/4
31	481342	Manifold, Exhaust
32	04110-01	U-Nut
33	04010-10	Machine Screw, Round Head, 1/4-20 x 2.00"
34	04015-05	Capscrew, Socket Head, #10-32 x 1/2"
35	04001-32	Hex Head Bolt, 3/8-16 x 1.25"
36	48136-11	Clamp, Hose 5.50"
37	48657	Rubber Pad

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TRACTION DRIVE



390S0062

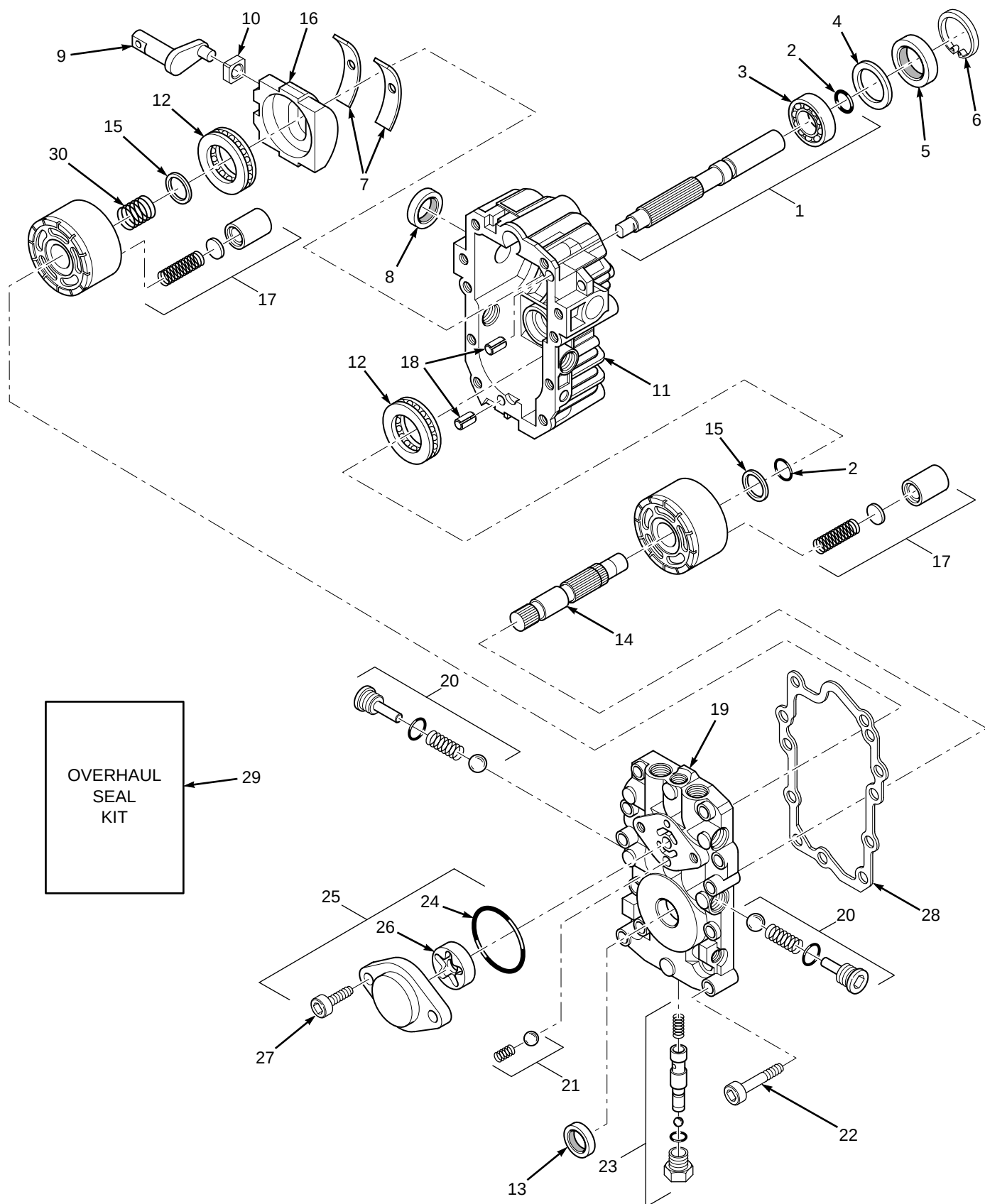
TRACTION DRIVE

Ref. Part. No. Number Description	Ref. Part. No. Number Description
1 04001-109 Bolt, Hex Head, 1/4-20 x 1-3/8"	40 04001-53 Bolt, Hex Head, 5/16-18 x 2-1/2"
2 481434 Pulley, 5.55 OD	41 04030-03 Lockwasher, 5/16"
3 481497 Belt, Main Drive	42 04017-04 Serr. Fl. Hex Head CPSCR, 1/4-20 x 1/2"
4 48926 Hub, Tapered	43 481225 Pump, L.H.
5 04063-06 Key, 1/4 x 1/4 x 1-1/2"	44 481576 Axle, L.H.
6 04001-138 Bolt, Hex Head, 3/8-16 x 3-3/4" GRD 8	45 04001-132 Bolt, Hex Head, 3/8-24 x4.0 GR 8
7 04041-24 5/8" Flatwasher (.644 x 1.00 x .0747)	46A 48827 Wheel Assembly, Drive
8 04001-141 Bolt, Hex Head, 5/8-11 x 4 3/4"	46B 48827-02 Tire Only
9 48062 Pulley, Idler - 5.75 Dia.	46C 48321-04 Rim Only
10 422307 Brace, Gearbox	47 04028-01 Nut, Wheel
11 43450 Spacer, Bearing	48 421209 Back-up Washer, Fan
12 04021-05 3/8-16 Hex Lock Nut	49 04001-126 Bolt, Hex Head, 5/16-18 x 5-1/2"
13 04001-135 Bolt, Hex Head, 3/8-16 x 1 3/4" GRD 8	50 481231 Pulley, 4.25 OD
14 48224 Bearing	51 48789 Fan, Cooling LH
15 461015 Arm, Idler	52 04001-96 Bolt, Hex Head, 5/16-18 x 4-1/2"
16 43277 Spacer, J-Pull Rod	53 04040-04 Flatwasher, 5/16 (.344 x.688 x .065)
17 04001-22 Bolt, Hex Head, 3/8-16 x 2-3/4"	54 04063-14 Key, 5 mm x 5 mm x 25 mm
18 04001-142 Bolt, Hex Head, 5/8-11 x 2 1/2"	55 481226 Pump, R.H.
19 04030-04 Lockwasher, 3/8"	56 481589 Axle, R.H.
20 04004-32 Stud, 3/8-16 x 4.00"	57 04020-03 Hex Nut, 5/16-18
21 04021-09 Hex Locknut, Elastic Stop, 3/8-16	58 43063 Spacer
22 04021-13 Elastic Stop Nut, 5/8-11	59 04001-94 Bolt, Hex Head, 5/16-18 x 7-1/2"
23 45741 Pivot, Engine Idler	60 04001-32 Bolt, Hex Head, 3/8-16 x 1-1/4"
24 481522 Spring, Main Drive	61 481232 Fan, Cooling RH
25 04019-04 Serr. Fl. Hex Nut, 3/8-16	62 04043-02 Flatwasher, 5/16 USS GR8
26 48198 Pulley, Idler	63 421863 Washer, Heat Deflector
27 48141 Hub, Tapered, 1.00 Bore	64 04015-14 Socket Head Capscrew, 1/4-20 x 1-3/8"
28 04063-01 Key, 1/4 x 1/4 x 1-1/4"	65 04030-09 Lockwasher, 3/8 Spring, Hardened
29 481227 Gearbox, T-Drive	66 04021-18 Lock Nut 3/8-24 Elastic Stop GR 8
30 481229 Pulley, 4.25 OD Double Groove	67 48102 Bearing Idler Pulley
31 44075 Rod, J-Pull	68 04050-06 1.575" TruarcRing
32 43488 Spacer, Idler Adjust	69 43449 Spacer
33 481048 Pulley	70 04041-07 Flatwasher, 3/8 (.391x.938x.105)
34 04041-12 Flatwasher, 3/8 (.375 x 1.50 x .06)	71 48030-13 Clamp, .75 ID
35 04003-25 Carriage Bolt, 3/8-16 x 2-3/4"	72 04001-18 Hex Head Bolt, 3/8-16 x 3/4"
36 481499 Belt, R.H. Transmission Drive	73 422458 Bracket, Idler Adjust
37 481498 Belt, L.H. Transmission Drive	
38 48791 Hub, Tapered, 15 mm	
39 04001-12 Bolt, Hex Head, 5/16-18 x 1-3/4"	

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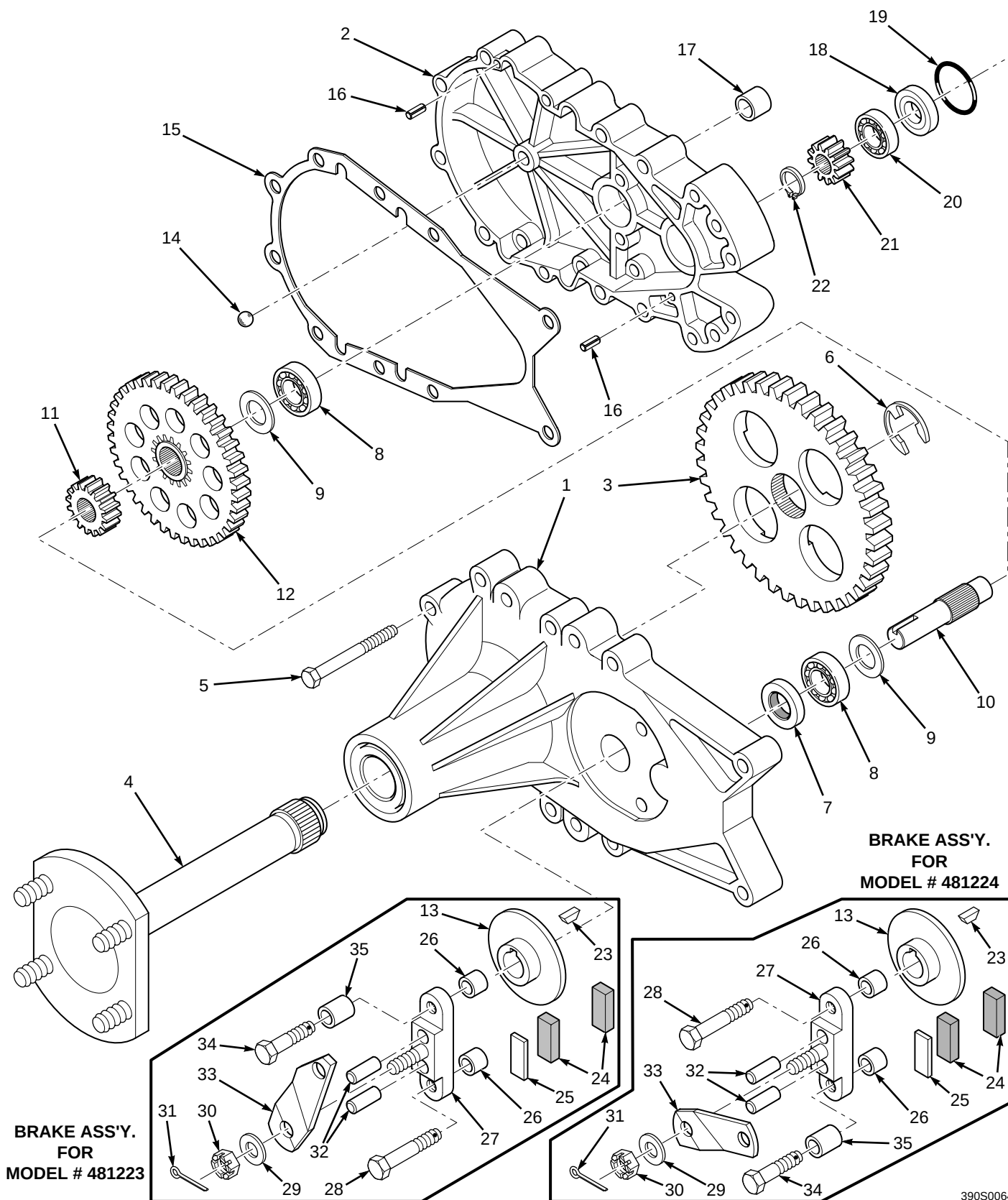
HYDRAULIC PUMP



HYDRAULIC PUMP

Ref. Part. No. Number	Description	Ref. Part. No. Number	Description
- 481225	Pump, L.H. (Includes items 1 thru 30)	16 HG2003087	Variable Swash Plate
- 481226	Pump, R.H. (Includes items 1 thru 30)	17 HG70079	BDT-10L Block Assembly
1 HG2513038	Pump Shaft Kit	18 HG9004800-2506	Pin ST Holder
2 HG2003016	Wire Retaining Ring	19 HG2513006	Center Section Kit
3 HG2003043	Ball Bearing	20 HG2510027	Check Valve Kit
4 HG2003018	Spacer	21 HG2510011	Charge Relief Kit
5 HG9008000-0128	Lip Seal (16 x 35 x 7)	22 HG9007314-0808	Socket Head Capscrew
6 HG2003052	Retaining Ring	23 HG2513011	Bypass Valve Kit
7 HG2003023	Cradle Bearing	24 HG9004101-1340	O-Ring
8 HG9008000-0126	Lip Seal (12 x 35 x 7)	25 HG2513027	Charge Pump Cover
9 HG2003005	Trunnion Arm	26 HG50273	Gerotor Assembly
10 HG2000015	Slot Guide	27 HG50095	Capscrew (6mm x 20)
11 HG2513020	Transmission Housing Kit (L.H.)	28 HG2003060	Center Section Gasket
11 HG2513003	Transmission Housing Kit (R.H.)	29 HG2513013	Overhaul Seal Kit
12 HG2003044	Thrust Ball Bearing Assembly	30 HG2000025	Spring Block
13 HG9008000-0127	Lip Seal (15 x 24 x 7)		
14 HG2003032	Motor Shaft		
15 HG2003017	Block Thrust Washer		

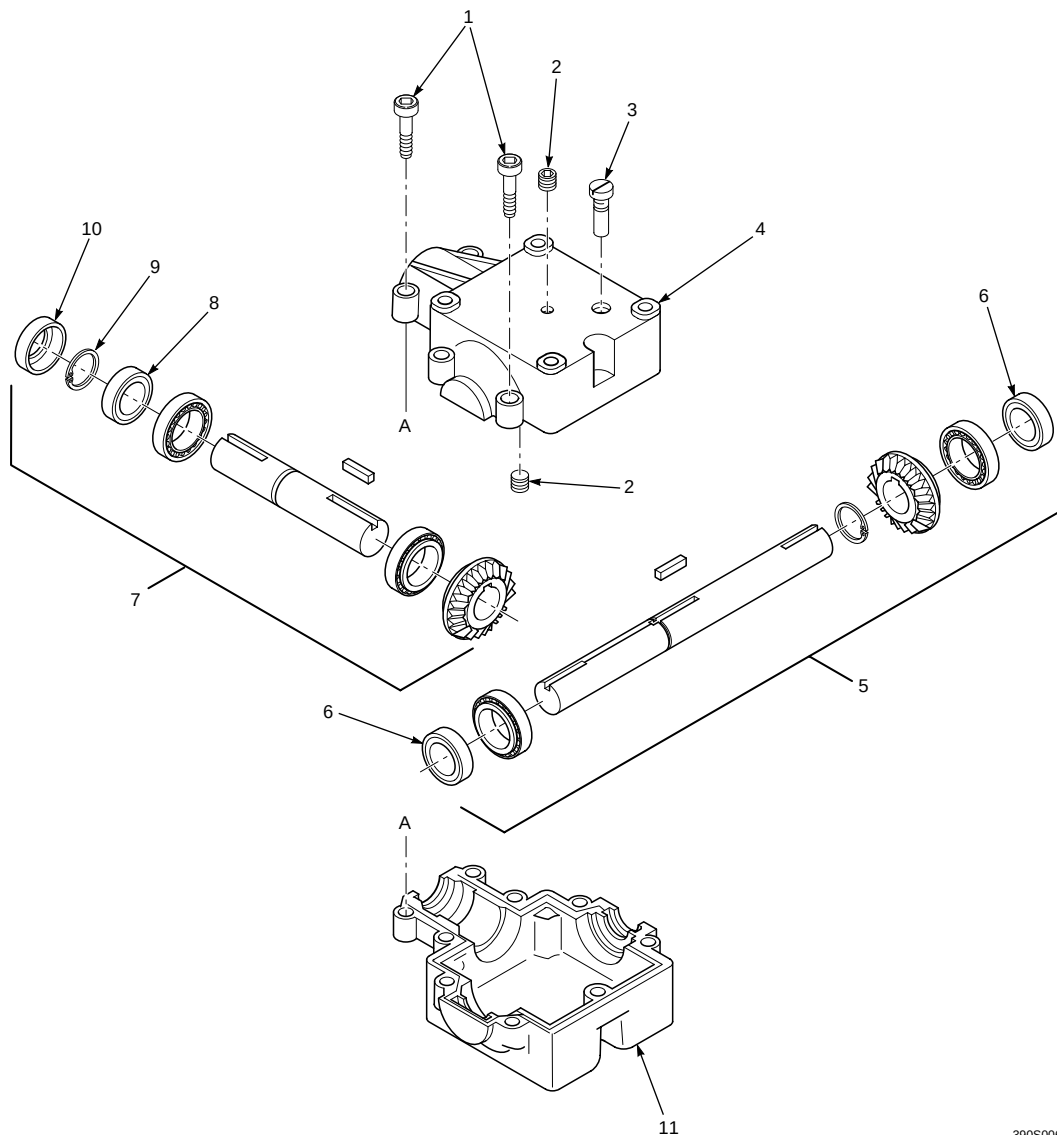
HYDRO-GEAR AXLE ASSEMBLY



HYDRO-GEAR AXLE ASSEMBLY

Ref. Part. No. Number	Description	Ref. Part. No. Number	Description
- 481223	Axle, L.H. (Includes Items 1 thru 35)	21 HG44353	Input Gear, 11 Tooth
- 481224	Axle, R.H. (Includes Items 1 thru 35)	22 HG44354	Retaining Ring
1 HG62768	Axle Housing Assembly	23 HG44143	Key, HI Pro 3/16 x 5/8"
2 HG44533	Hydro Mount Housing	24 HG44132	Puck, Brake
3 HG44358	Splined Final Gear Drive	25 HG44134	Plate, Puck
4 HG62681	Axle Shaft Assembly	26 HG23770	Brake Spacer
5 HG44366	Bolt, 1/4-20 x 2-1/2 Hex Head	27 HG62589	Brake Yoke Assembly
6 HG44359	E-Ring	28 HG44276	Bolt, 1/4-20 x 1-1/2 Hex Head
7 HG50263	Oil Seal, 1.25 x .625"	29 HG44130	Washer, 7/16 x 7/8 OD x .06 HT
8 HG44147	Ball Bearing, .62 ID x 1.38 x .44"	30 HG44142	Nut, Castle, 5/16-24 PL
9 HG44371	Washer, HT. 62ID x 1.0OD x .05 Thick	31 HG44101	Pin, Cotter
10 HG44351	Brake Shaft (Splined)	32 HG44127	Pin, Brake Actuating
11 HG50419	Splined Reduction Gear, 17 Tooth	33 HG44094	Arm, Brake Actuator (L.H. Assembly)
12 HG50420	Splined 60 Tooth Gear	33 HG44613	Arm, Brake Actuator (R.H. Assembly)
13 HG44090	Disc, Brake	34 HG44612	Bolt, 1/4-20 x 2-1/2 Hex Head
14 HG9001214-3700	Ball, 3/8 Diameter	35 HG23711	Spacer
15 HG50223	Gasket, Housing		
16 HG44269	Pin, Spring, 3/16 z 1/2 x 1/2 Long		
17 HG23749	Mounting Spacer		
18 HG44355	Bearing, Spacer		
19 HG50267	O-Ring		
20 HG44232	Ball Bearing, 15mm x 35mm x 11mm		

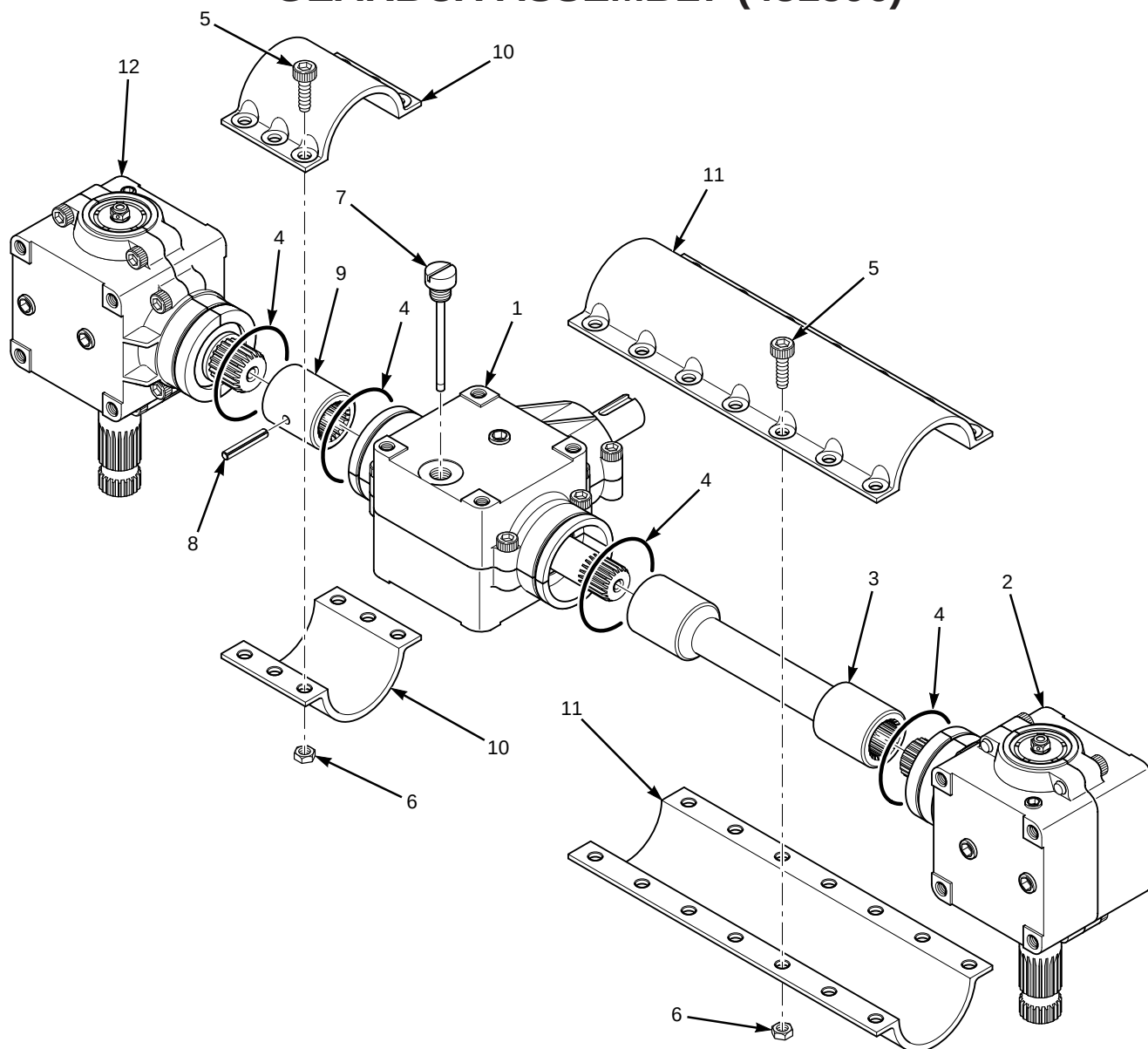
DRIVE GEARBOX



390S0065

Ref. No.	Part. Number	Description
-	481227	Gearbox, Drive
1	SGC203815	Capscrew, Socket Head, 3/8-16 x 1-1/2"
2	SGC200300	Plug, Socket Head
3	481417	Plug, Dipstick
4	SGC210004002563	Casting, Upper
5	SGC200900002617	Shaft Assembly, Cross
6	SGC209843	Seal - 1"
7	SGC00002616	Shaft Assembly, Pinion
8	SGC00002569	Seal, 1-1/8" x 1-1/2" x 3/6"
9	SGC2000003315	Retaining Ring
10	SGC200302002565	Cup, Retaining Ring
11	SGC210003002828	Casting, Lower

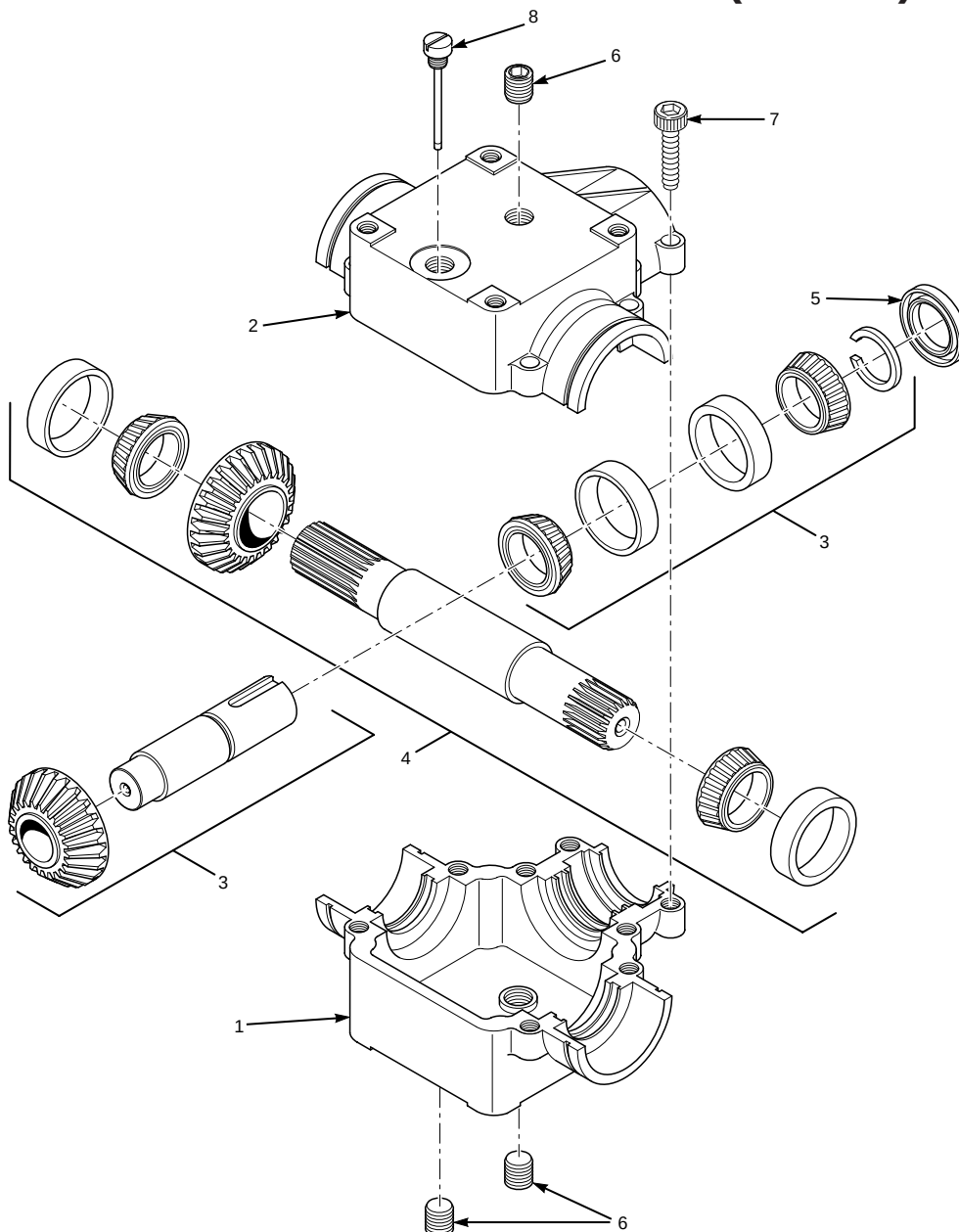
GEARBOX ASSEMBLY (481596)



390S0132

Ref. No.	Part. Number	Description
1	481410	Gearbox, Center
2	481626	Gearbox, LH
3	SGC00002553	Shaft Assembly
4	SGC00002456	O-Ring, 2.246 x .070
5	SGC00002560	Bolt, 5/16-18 x .75" Socket Head Cap Srew
6	SGC00002561	Nut, 5/16-18
7	SGCMD2000003678	Separator, Air/Oil
8	SGC100000002906	Pin, Spring 1/8 x 1.50"
9	SGCMD0000002905	Coupling
10	SGCMD2000003080	Cover, Short
11	SGCMD2000003081	Cover, Long
12	481627	Gearbox, RH

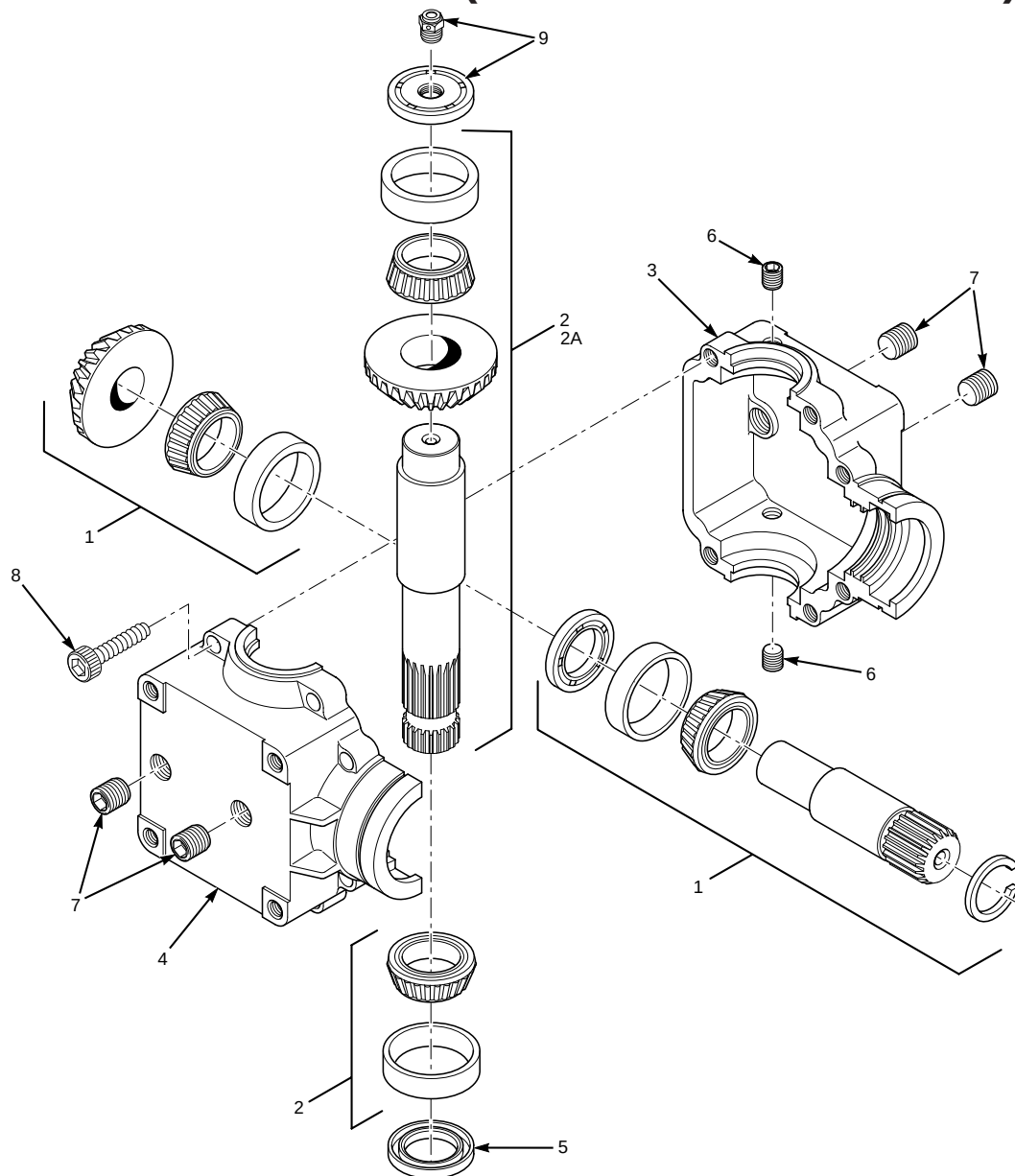
GEARBOX ASSEMBLY (481410)



390S0131

Ref. No.	Part. Number	Description
1	SGC114003002550	Casting, Lower (Threaded Holes)
2	SGC114004002551	Casting, Upper (Non-Threaded Holes)
3	SGC00002614	Shaft / Pinion Assembly
4	SGC00002921	Shaft Assembly-Cross/Gear
5	SGC109843	Seal 1.00 x 1.50 x 3/16"
6	SGC200300	Plug, 1/4 NPT Socket Head
7	SGC103125	Bolt, 5/16-18 x 1.25
8	SGCMD2000003678	Separator, Air/Oil

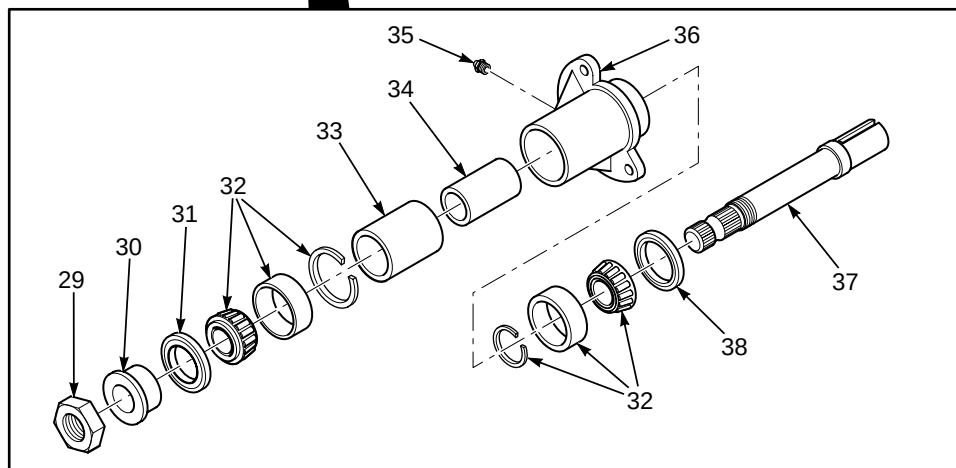
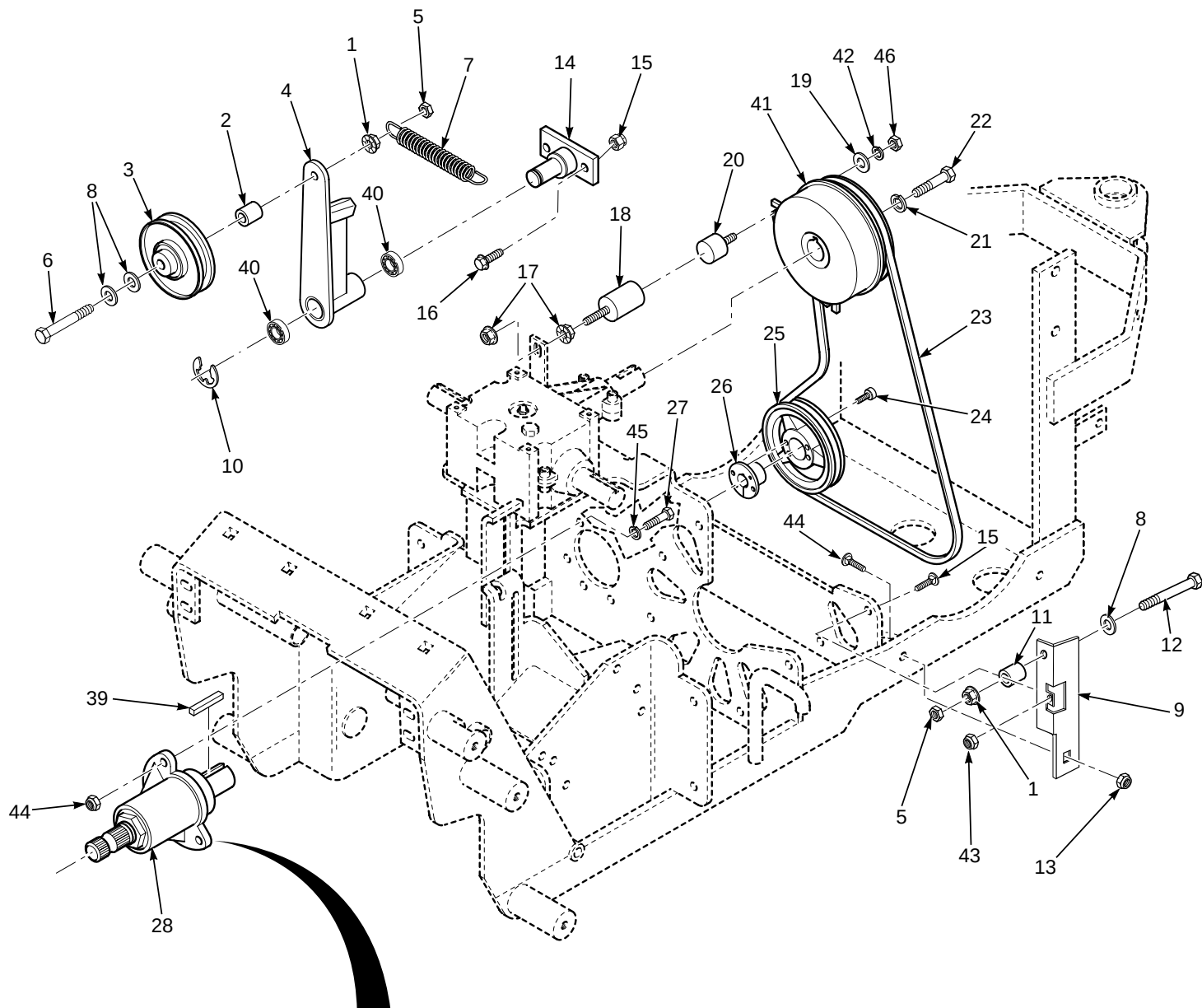
GEARBOX ASSEMBLY (481626-LH & 481627-RH)



390S0130

Ref. No.	Part. Number	Description
1	SGC00002613	Shaft/Pinion Assembly
2	481628	Assembly, Shaft-Cross-(Used in LH Gearbox)
2A	481629	Assembly, Shaft-Cross-(Used in RH Gearbox)
3	SGC114003002547	Casting, Bottom (Threaded Holes)
4	SGC114004002548	Casting, Top (Non-threaded Holes)
5	SGC109843	Seal 1.00 x 1.50 x 3/16"
6	SGC444687	Plug, 1/8" NPT Socket Head
7	SGC200300	Plug, 1/4" NPT Socket Head
8	SGC103125	Bolt, 5/16-18 x 1.25
9	SGC100305	Assembly, End Plug-5 PSI

DECK DRIVE



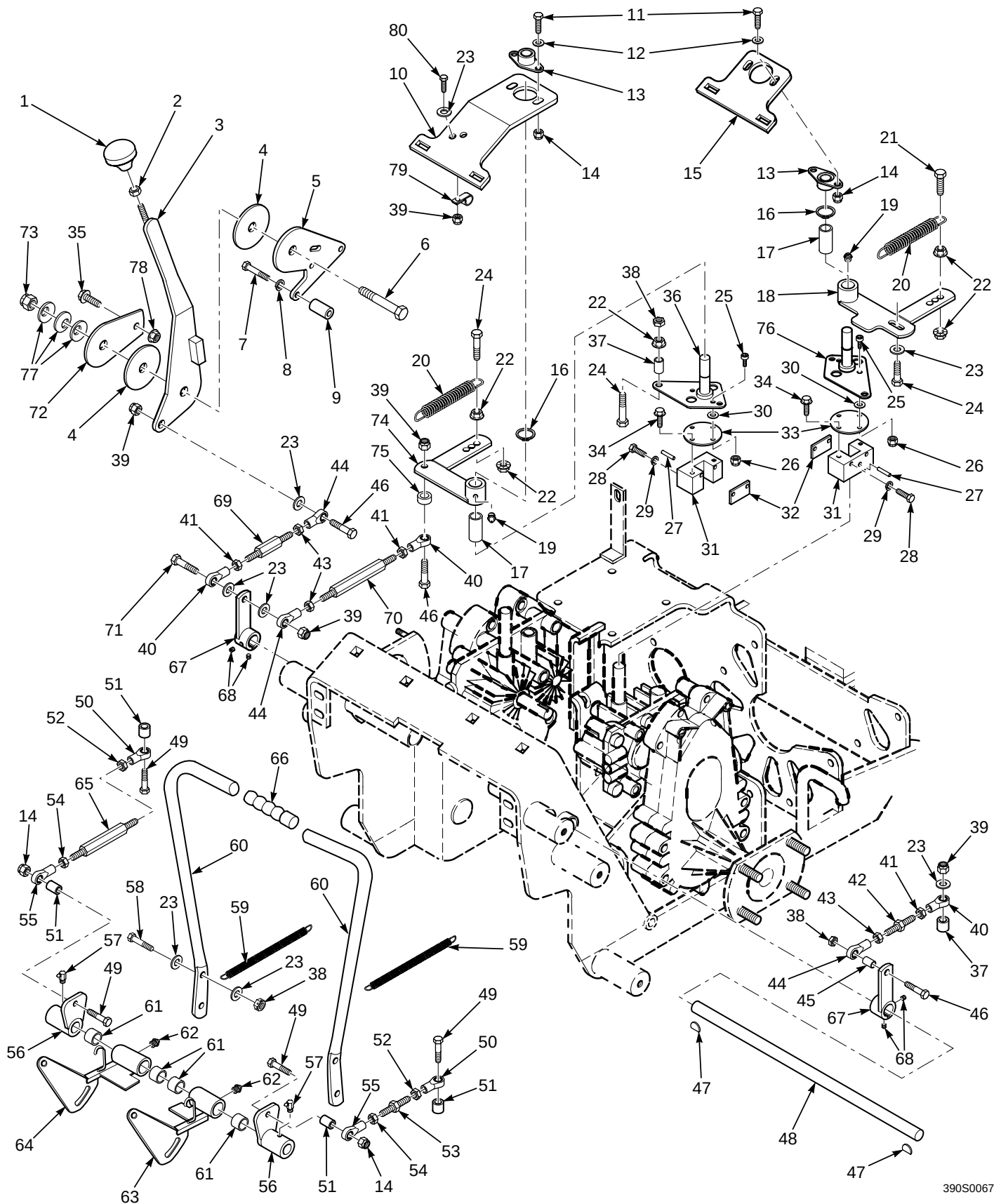
DECK DRIVE

Ref. Part. No. Number Description	Ref. Part. No. Number Description
1 04019-04 Serr. Fl. Hex Nut, 3/8-16	25 481435 Pulley, 5.35 OD
2 43077 Spacer J-Pull Rod	26 48926 Hub, Tapered
3 48198 Pulley, Idler	27 04001-20 Bolt, Hex Head, 3/8-16 x 1-1/2"
4 461014 Idler Arm, Auxiliary Drive	28 46828 Spindle Assembly, Drive Shaft (includes 29 thru 38)
5 04021-05 3/8-16, Hex Lock Nut	29 481035 Nut, 1.06-18
6 04001-140 Bolt, Hex Head, 3/8-16 x 3-1/4" GRD 8	30 43297 Spindle Bushing, Bottom
7 481521 Spring, PTO Drive	31 481025 Seal, 2.00 OD x 1.625 Bore
8 04041-07 Flatwasher, 3/8 (.391 x .938 x .105)	32 481022 Roller Bearing Assembly
9 422317 Spring Anchor	33 43312 Spacer, Outside
10 04050-01 Retaining Ring, .625 "E"	34 43296 Spacer, Inside
11 43449 Spacer	35 48114-04 Grease Fitting
12 04001-139 Bolt, Hex Head, 3/8-16 x 2 1/2" GRD 8	36 43368 Spindle Housing
13 04003-11 Carr. Bolt, 3/8-16 x 1 1/4"	37 43316 Shaft, PTO Deck Drive
14 45902 Pivot, Auxiliary Drive Idler	38 481024 Seal, 2.00 OD x 1.50 Bore
15 04021-10 Elastic Stop Nut, 5/16-18	39 04063-01 Key, 1/4 x 1/4 x 1-1/4"
16 04001-09 Bolt, Hex Head, 5/16-18 x 1.00	40 48224 Bearing
17 04019-05 Serr. Fl. Hex Nut, 7/16-14	41 481228 Electric Clutch
18 43428 Base, Clutch Anti-Rotation	42 04030-03 Lockwasher, 5/16"
19 04040-15 Flatwasher, 5/16"	43 04003-04 Carr. Bolt, 5/16-18 x 1.00"
20 481469 Isolator, Rubber	44 04021-09 Elastic Stop Nut, 3/8-16
21 04030-05 Lockwasher, 7/16"	45 04030-04 Lockwasher, 3/8"
22 04001-103 Bolt, Hex Head, 7/16-20 x 2-1/4"	46 04020-03 Nut, 5/16-18
23 481496 Belt, Blower Drive	
24 04015-14 Socket Head Capscrew, 1/4-20 x 1-3/8"	

-NOTE-

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SPEED AND STEERING CONTROLS



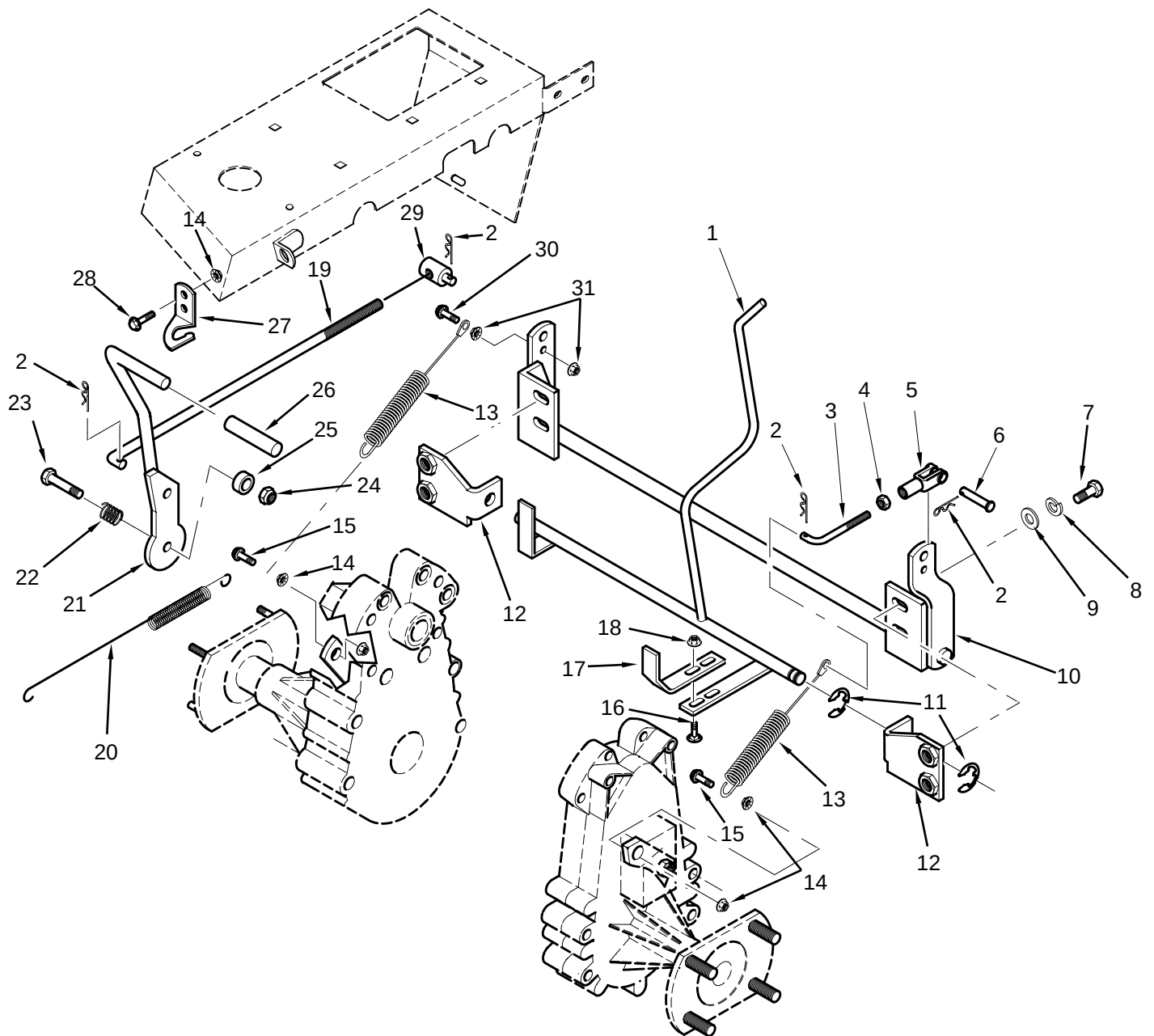
SPEED AND STEERING CONTROLS

Ref. Part. No. Number Description	Ref. Part. No. Number Description
1 481245 Knob	44 48544 Rod End, 3/8-24 L.H. Thread
2 04020-04 Hex Nut, 3/8-16	45 43212 Sleeve
3 45753 Lever, Speed Control	46 04001-20 Bolt, Hex Head, 3/8-16 1-1/2"
4 481243 Disc, Friction	47 04063-12 Key, 3/16 x 5/8 Woodruff
5 422197 Mounting, Plate, Speed Selector	48 43371 Shaft Speed Control
6 04001-122 Bolt, Hex Head, 5/8-11 x 2-1/4"	49 04001-11 Bolt, Hex Head, 5/16-18 x 1-1/2"
7 04001-53 Bolt, Hex head, 5/16-18 x 2-1/2"	50 481189 Rod End, 5/16-24 R.H. Thread
8 04030-03 Lockwasher, 5/16"	51 43161 Spacer
9 43380 Spacer, Speed Control	52 04020-13 Hex Nut, 5/16-24 R.H. Thread
10 421880 Mounting Plate, Speed Control	53 43377 Link, Adjust-LH
11 04001-08 Bolt, Hex Head, 5/16-18 x 3/4"	54 04020-23 Hex Nut, 5/16-24 L.H. Thread
12 04040-15 Flatwasher, 5/16 (.375 x .875 x .083)	55 481188 Rod End, 5/16-24 L.H. Thread
13 48796 Bushing, Self-Aligning	56 46886 Control Lever
14 04021-10 Hex Locknut, Elastic Stop, 5/16-18	57 48114-08 Grease Fitting, 90°
15 421879 Mounting Plate, Left Bearing	58 04001-32 Bolt, Hex Head 3/8-16 x 1 1/4"
16 04050-01 Ring, Retaining, .625"	59 481242 Spring, Handle Return
17 481509 Bushing, Oilite, .627" ID	60 422438 Handle, Control
18 46889 Lever, L.H. Speed Control	61 48100-05 Bushing, Oilite, .753 ID
19 48114-04 Grease Fitting	62 48114-05 Grease Fitting
20 48051 Spring	63 461003 Lever, L.H. Control
21 04001-32 Bolt, Hex Head, 3/8-16 x 1-1/4"	64 461004 Lever, R.H. Control
22 04019-04 Serr. Fl. Hex Nut, 3/8-16	65 43378 Link, R.H. Adjustment
23 04041-07 Flatwasher, 3/8 (.391 x .938 x .105)	66 481477 Grip, Hand Control
24 04001-45 Bolt, Hex Head, 3/8-16 x 2.0"	67 45745 Lever, Speed Control
25 04015-10 Capscrew, Socket Head, 1/4-20 x 1/2"	68 04012-02 Setscrew, Socket Head, 1/4-20 x 1/4"
26 04021-08 Hex Locknut, Elastic Stop, 1/4-20	69 43379 Link, Speed Control
27 04060-06 Roll Pin	70 43246 Link
28 04001-59 Bolt, Hex Head, 1/4-20 x 1-1/4"	71 04001-21 Bolt, Hex Head, 3/8-16 x 1-3/4"
29 04030-02 Lockwasher, 1/4"	72 422198 Plate, Speed Selector
30 04040-03 Flatwasher, 1/4 (.281 x .625 x .065)	73 04021-13 Hex Locknut, Elastic Stop 5/8-11
31 48829 Block, Pump Control	74 46890 Lever, R.H. Speed Control
32 421203 Clamp Plate, Pump Control	75 43063 Spacer
33 422273 Plate, Coupler	76 45749 Arm, L.H. Pump Control
34 04017-05 Serr. Fl. Hex Head CPSCRW, 1/4-20 x 3/4"	77 04032-04 Washer, Belleville, 5/8"
35 04017-18 Serr. Fl. Hex Head CPSCRW, 5/16-18 x 1-1/4"	78 04019-03 Serr. Fl. Hex Nut, 5/16-18
36 45750 Arm, R.H. Pump Control	79 48030-13 Clamp, .75 Dia
37 43376 Stop, Pump Arm	80 04001-19 Hex Head Bolt, 3/8-16 x 1.0"
38 04021-05 Hex Locknut, 3/8-16	
39 04021-09 Hex Locknut, Elastic Stop, 3/8-16	
40 48464 Ball Joint, 3/8-24 R.H. Thread	
41 04020-14 Hex Nut, 3/8-24 R.H. Thread	
42 48590 Link	
43 04020-17 Hex Nut, 3/8-24 L.H. Thread	

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PARKING BRAKE AND DUMP VALVE LINKAGES



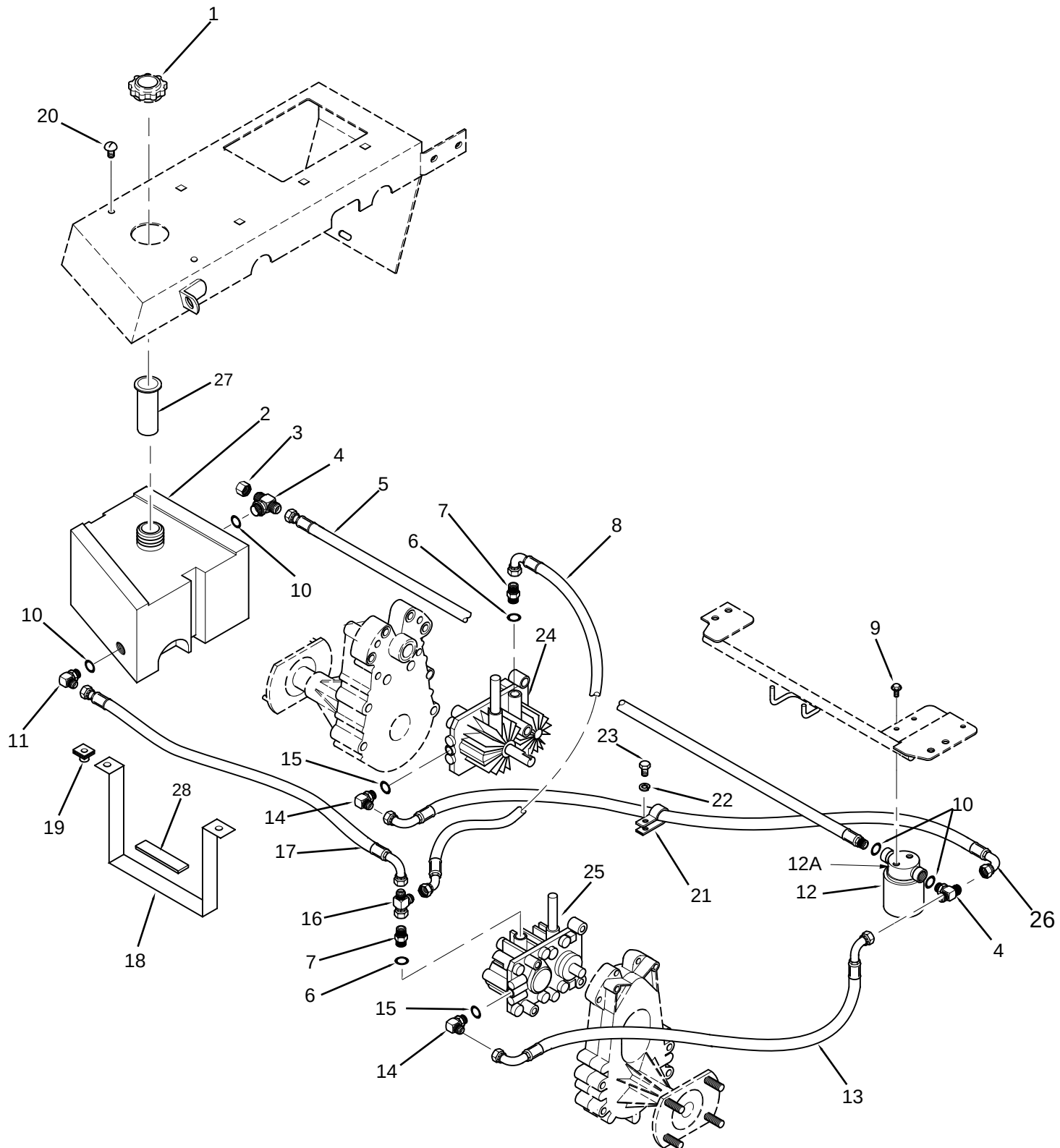
PARKING BRAKE AND DUMP VALVE LINKAGES

Ref. Part. No. Number Description	Ref. Part. No. Number Description
1 45808 Lever, Dump Valve	17 422183 Bracket, Dump Valve Lever
2 04062-02 Hairpin	18 04019-02 Serr. Fl. Hex Nut, 1/4-20
3 44116 Rod, Brake - L.H.	19 44117 Rod, Brake - R.H.
4 04020-22 Hex Nut, 1/4-28	20 48950 Spring
5 48343-03 Clevis	21 45806 Lever, Parking Brake
6 04064-12 Pin, Clevis, 1/4 x 3/4"	22 48050 Spring, Control Detent
7 04001-20 Bolt, Hex Head, 3/8-16 x 1-1/2"	23 04001-46 Bolt, Hex Head, 3/8-16 x 2-1/4"
8 04030-04 Lockwasher, 3/8"	24 04021-09 Hex Locknut, Elastic Stop, 3/8-16
9 04041-07 Flatwasher, 3/8 (.391 x .938 x .105)	25 43063 Spacer
10 45805 Actuator, Brake	26 481365 Grip, Parking Brake Lever
11 04050-10 Ring, Retainer	27 422084 Latch, Brake Lever
12 45841 Mounting Bracket, Dump Valve	28 04017-16 Serr. Fl. Hex Head CPSCRW, 5/16-18 x 3/4"
13 48840 Cable Assembly, Parking Brake	29 43032 Swivel Joint
14 04019-03 Serr. Fl. Hex Nut, 5/16-18	30 04001-59 Bolt, Hex Head, 1/4-20 x 1-1/4"
15 04017-17 Serr. Fl. Hex Head CPSCR, 5/16-18 x 1.00"	31 04019-02 Serr. Fl. Hex Nut, 1/4-20
16 04003-02 Carriage Bolt, 1/4-20 x 3/4"	

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HYDRAULIC COMPONENTS AND LINES



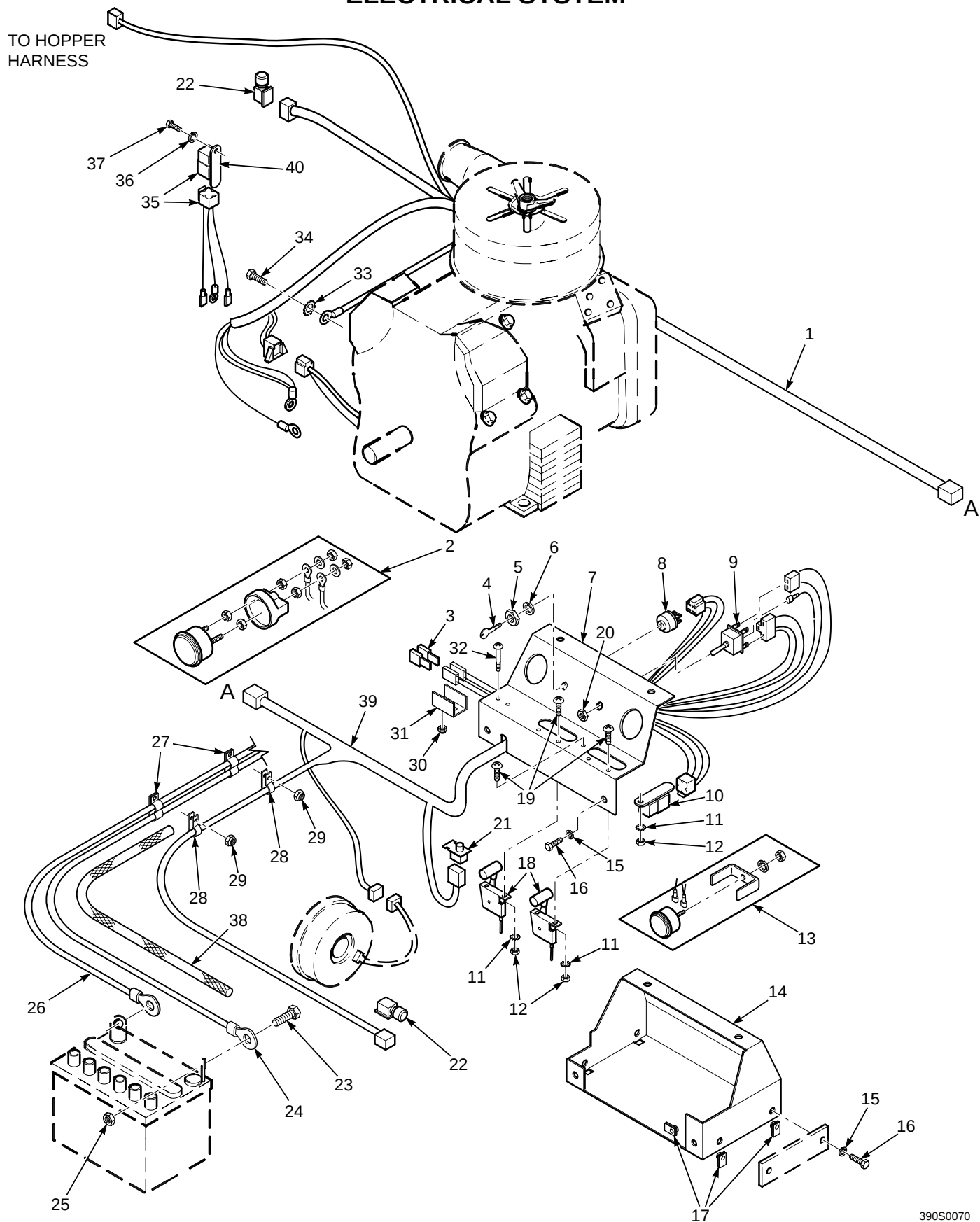
HYDRAULIC COMPONENTS AND LINES

Ref. No.	Part. Number	Description
1	48894	Cap, Hydraulic Reservoir Fill
2	481240	Tank, Hydraulic Oil
3	48571-02	Cap, 3-4-16 JIC
4	48810-01	Tee, 3/4-16 JIC x O-Ring
5	481241	Hose Assembly, Filter Inlet
6	48603-04	O-Ring, 3/32 x 3/4 ID
7	48572-02	Union, Tube
8	481358	Hose Assembly, Case Drain
9	04017-04	Serr. Fl. Hex Head CPSCRW, 1/4-30 x 1/2"
10	48603-02	O-Ring, 3/32 x 5/8 ID
11	48350-02	Elbow, 90° JIC to O-Ring
12	48462-01	Element, Filter
12A	48462-02	Head, Filter
13	481359	Hose Assembly, L.H. Charge Pump
14	48350-10	Elbow, 90° 9/16-18 JIC to 7/16-20 O-Ring
15	48603-03	O-Ring, 1/16 x 3/8 ID
16	481384-01	Tee, 3/4-16 Swivel
17	481361	Hose Assembly, Case Drain Return
18	42945	Strap, Hydraulic Tank
19	04110-01	U-Nut
20	04010-10	Machine Screw, Round Head, 1/4-20 x 2.00"
21	48030-13	Clamp, Cable
22	04030-04	Lockwasher, 3/8"
23	04001-18	Bolt, Hex Head, 3/8-16 x 3/4"
24	481226	Pump, R.H.
25	481225	Pump, L.H.
26	481360	Hose Assembly, RH Charge Pump
27	481507	Insert, Filler Neck
28	48657	Rubber Pad

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ELECTRICAL SYSTEM



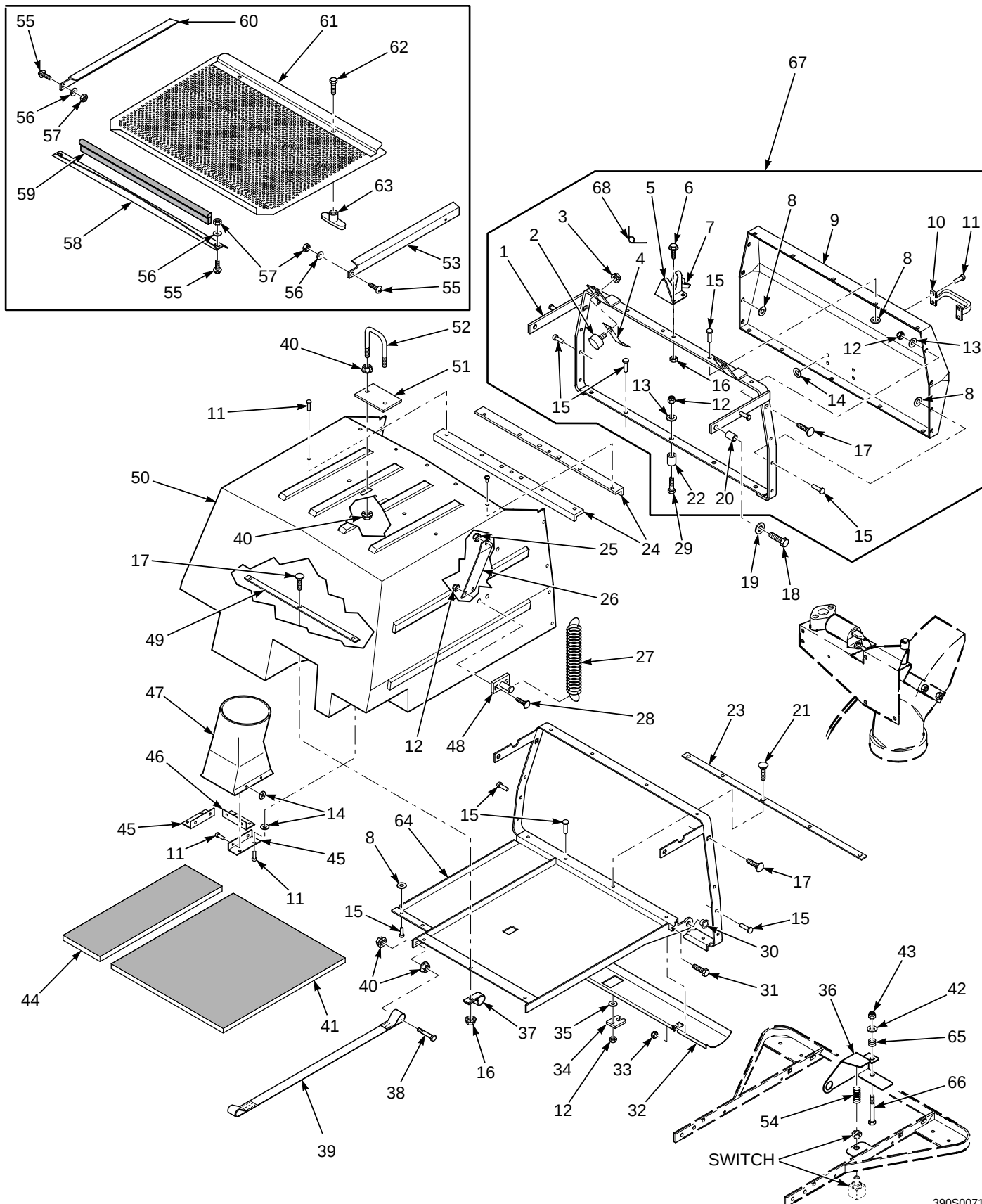
ELECTRICAL SYSTEM

Ref. Part. No. Number Description	Ref. Part. No. Number Description
1 481422 Harness, Engine	21 48717 Switch, Interlock - Seat
2 48023 Hourmeter	22 481474 Switch, Interlock - (Neutral and Hopper)
3 48298 Fuse, 20 Amp	23 04001-44 Bolt, Hex Head, 1/4-20 x 1/2"
4 48017-02 Key & Ring Assembly	24 48029-16 Cable, Battery - Red
5 48017-04 Nut, Hex, 5/8-32	25 04020-02 Nut, Hex, 1/4-20
6 48017-03 Lockwasher, 5/8 Internal	26 48029-17 Cable, Battery - Black
7 46883 Instrument Panel, Top With Decal	27 48030-11 Clamp, Double Cable
8 48798 Keyswitch	28 48030-10 Clamp, Cable
9 48787 Switch, Mower Engagement Electric Clutch	29 04021-10 Hex Locknut, Elastic Stop, 5/16-18
10 48788 Relay	30 04021-01 Hex Locknut, Elastic Stop, #10-32
11 04031-01 Lockwasher, #10 External Tooth	31 42413 Bracket, Fuse Holder
12 04021-01 Hex Locknut, Elastic Stop, #10-32	32 04010-11 Screw, Round Head, #10-32 x 1-1/2"
13 48022 Ammeter	33 04031-03 Lockwasher, External Tooth, 5/16
14 45798 Base, Instrument Panel	34 04002-12 Bolt, Hex Head, M8-1.25 x 20
15 04030-02 Lockwasher, 1/4"	35 481275 Relay and Harness (incl. item 40)
16 04001-01 Bolt, Hex Head, 1/4-20 x 3/4"	36 04030-02 Lockwasher, 1/4"
17 04110-01 U-Nut	37 04002-14 Bolt, Hex Head, M6-1.125 x 10
18 481363 Throttle and Choke Controls	38 48033-04 Nylon Sleeve, 24"
19 04010-01 Screw, Washer Round Head, #10-32 x 1/2"	39 481421 Wire Harnes, STR
20 48787-01 Nut, Hex, 1/2-27	40 48788 Relay

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HOPPER



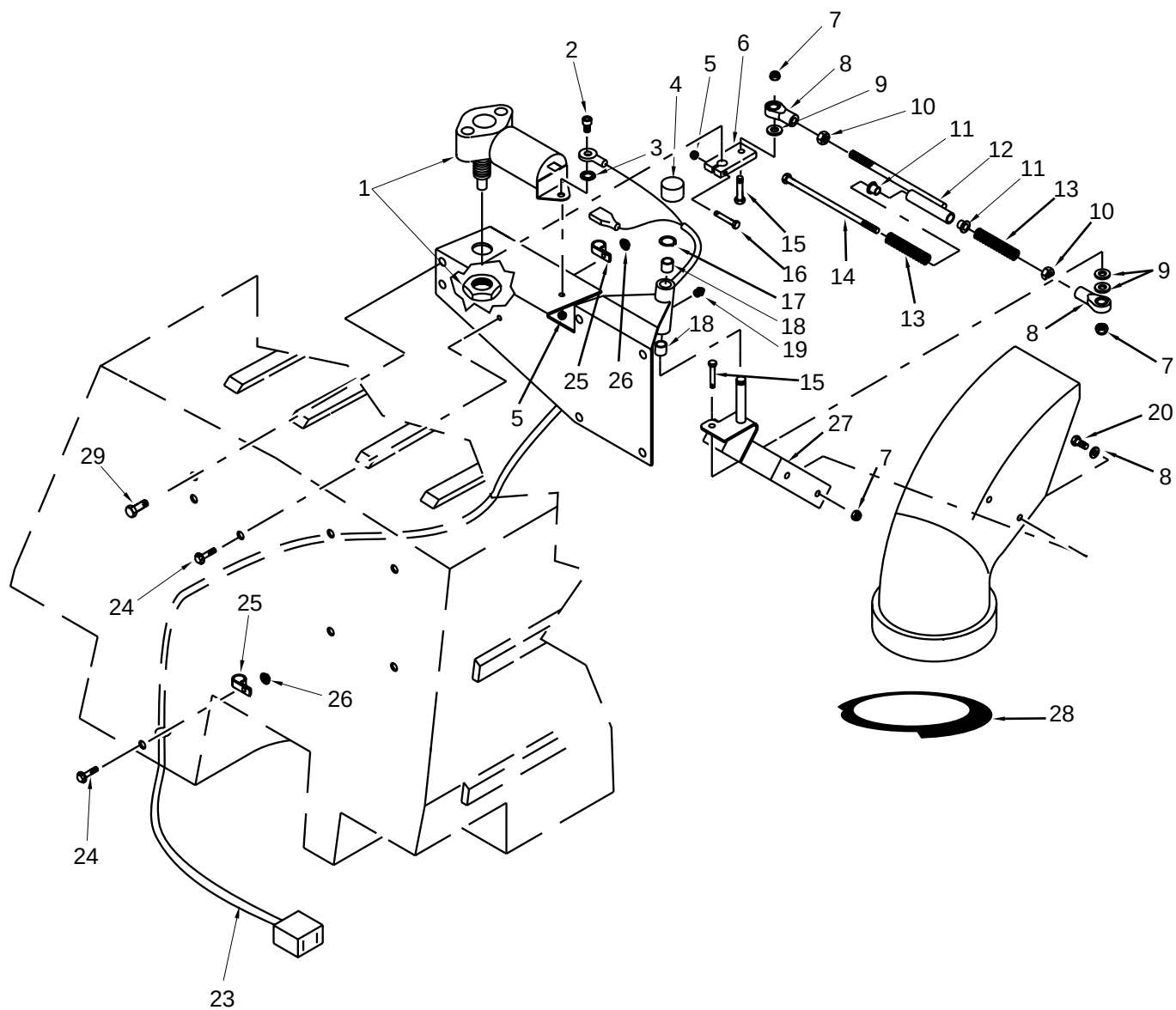
HOPPER

Ref. Part. No. Number Description	Ref. Part. No. Number Description
1 45762 Frame, Hopper Door	39 481451 Strap, Hopper Stop
2 481284 Bumper, Rubber	40 04019-04 Serr. Fl. Hex Nut, 3/8-16
3 04019-03 Serr. Fl. Hex Nut, 5/16-18	41 422241 Insulation, Hopper - Rear
4 422050 Retainer, Screen	42 04040-15 Flatwasher, 5/16 (.375 x .875 x .083)
5 422320 Guard, Latch	43 04021-10 Locknut, 5/16-18 Elastic Stop
6 04017-06 Serr. Fl. Hex Head CPSCR, 1/4-20 x 1.00"	44 422058 Insulation, Hopper - R.H.
7 461010 Latch, Hopper Door	45 422228 Mount, Transition Chute - Side
8 04041-22 Flatwasher, 1/4 (.258 x .500 x .0598)	46 422037 Mount, Transition Chute - Rear
9 481252 Door, Hopper	47 481279 Chute, Transition
10 481282 Handle	48 45779 Anchor, Spring
11 04090-02 Pop Rivet, 3/16 x .652"	49 422052 Bar, Clamp
12 04021-08 Hex Locknut, Elastic Stop, 1/4-20	50 481424 Hopper
13 04040-14 Flatwasher, 1/4 (.312 x .75 x .065)	51 422180 Plate
14 04041-19 Flatwasher, 3/16 (.196 x .469 x .048)	52 44122 U-Bolt, 3/8-16
15 04091-01 Rivet, Lok Bolt, 1/4 x .85"	53 45839 Guide, Screen - Upper L.H.
16 04019-02 Serr. Fl. Hex Nut, 1/4-20	54 481056 Spring, Switch
17 04003-06 Carriage Bolt, 1/4-20 x 1.00	55 04010-01 Screw, Round Head, #10-32 x 1/2"
18 04001-20 Bolt, Hex Head, 3/8-16 x 1-1/2	56 04031-01 Lockwasher, External Tooth, #10
19 04041-07 Flatwasher, 3/8 (.391 x .938 x .105)	57 04020-01 Hex Nut, #10
20 43212 Sleeve	58 45796 Screen Stop
21 04003-09 Carriage Bolt, 1/4-20 x 1-1/4"	59 481353-01 Trim Seal
22 421960 Boss, Centering	60 45840 Guide, Screen - Upper R.H.
23 421964 Support, Door - Inside	61 45797 Screen
24 422179 Support, Hopper - Top	62 04017-16 Bolt, Hex Head 5/16-18 x 3/4"
25 04021-09 Hex Locknut, Elastic Stop, 3/8-16	63 481092-01 Wingnut, Plastic
26 421977 Support, Hinge (L.H. Shown)	64 45865 Frame, Hopper
26 421978 Support, Hinge (R.H. Not Shown)	65 481495 Spring, Switch Lever
27 481343 Spring, Hopper Door	66 04001-76 Hex Head Bolt, 5/16-18 x 4.0"
28 04003-02 Carriage Bolt, 1/4-20 x 3/4"	67 46864 Door Assy, Hopper
29 04001-59 Bolt, Hex Head, 1/4-20 x 1.25"	68 481519 Spring, Torsion
30 43260 Bushing	
31 04001-08 Bolt, Hex Head, 5/16-18 x 3/4"	
32 421973 Shield, Hopper	
33 04021-10 Hex Locknut, Elastic Stop, 5/16-18	
34 421961 Tab, Centering	
35 43308 Spacer	
36 422278 Lever, Hopper Switch	
37 48030-09 Clamp, Cable - .50"	
38 04001-46 Bolt, Hex Head, 3/8-16 x 2-1/4"	

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HOPPER ACTUATOR MECHANISM



HOPPER ACTUATOR MECHANISM

Ref. No.	Part. Number	Description
1	481254	Motor, Actuator
2	04015-05	Capscrew, Sockt Head, #10-32 x 1/2"
3	04031-01	Washer, External
4	481285	Cap, Plastic
5	04021-01	Hex Locknut, Elastic Stop, #10-32
6	481291	Lever, Actuator
7	04021-10	Hex Locknut, Elastic Stop, 5/16-18
8	481189	Rod End, 5/16-18 R.H. Thread
9	04040-15	Flatwasher, 5/16 (.375 x .875 x .083)
10	04020-13	Hex Nut, 5/16-18
11	481354	Bushing, Nylon
12	45799	Connecting Rod
13	481344	Spring, Connecting Rod
14	04001-124	Bolt, Hex Head, 5/16-18 x 7.00"
15	04001-10	Bolt, Hex Head, 5/16-18 x 1-1/4"
16	04015-08	Capscrew, Socket Head, #10-32 x 1-1/2"
17	04050-10	Retainer Ring
18	48100-04	Bushing, Oilite, .502 ID
19	48114-05	Grease Fitting
20	04001-08	Bolt, Hex Head, 5/16-18 x 3/4"
21	481253	Chute
22	45777	Actuator Mount
23	481256	Wire Harness, Hopper
24	04017-05	Serr. Fl. Hex Head CPSCR, 1/4-20 x 3/4"
25	48030-09	Clamp, Cable, 1/2"
26	04019-02	Serr. Fl. Hex Nut, 1/4-20
27	45778	Pivot, Elbow
28	481408	Seal, Hopper Elbow
29	04006-01	Body Bolt, 5/16-18 x .81"

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REPLACEMENT DECALS AND INFORMATION PLATES



1



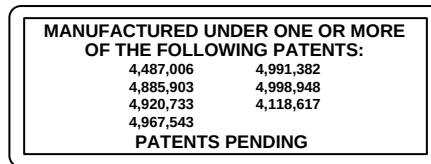
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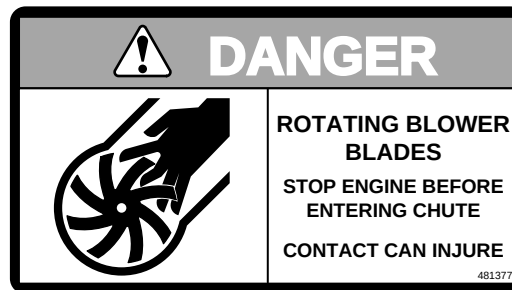
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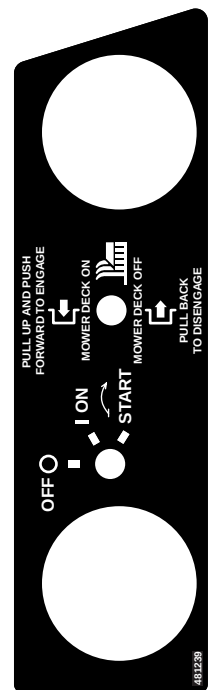
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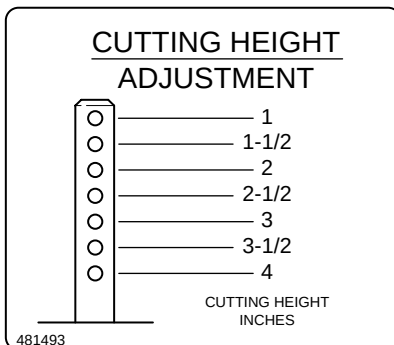
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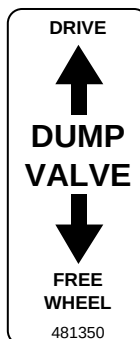
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15

REPLACEMENT DECALS AND INFORMATION PLATES

Ref. Part. No. Number Description

1	48071	Decal, Danger - Spinning Blades
2	481040	Decal, Warning - Rotating Blades
3	48072	Decal, Heavy Duty Commercial
4	48404	Decal, Metalcraft - Made in USA
5	48656	Decal, Patent
6	48318	Decal, 48
7	48314	Decal, Scag
8	481377	Decal, Danger - Rotating Blower Blades
9	481272	Decal, Fuel Tank
10	481378	Decal, Caution/Danger - Thrown Objects
11	481239	Decal, Instrument Panel - Upper
12	481493	Decal, Cutting Height
13	481348	Decal, Instrument Panel - Lower
14	481350	Decal, Dump Valve
15	481349	Decal, R.H. Fender
16	481427	Decal, Seat Base
17	481595	Decal, Grease Points

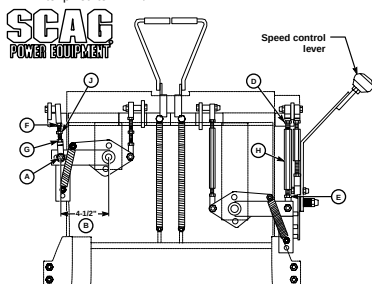
IMPORTANT ADJUSTMENT PROCEDURES

READ OPERATOR'S MANUAL FOR MORE DETAILS

Check tire pressure -
(Drive tires - 15 PSI, All others - 25 PSI)

NEUTRAL ADJUSTMENT

1. Adjust distance (B) from LH ball joint to pivot to 4 - 1/2".



2. Loosen jam nuts (D & E). With an operator in the seat, engine running, speed control lever in neutral and the parking brake disengaged-rotate turn buckle (H) until the machine begins to creep forward on RH side. Back of 1/2 turn, tighten jam nuts (D & E). Repeat for LH side, leave jam nuts (F & G) loose for step # 3.

3. Move the speed control lever so the machine creeps forward. If the machine pulls to the left, rotate turnbuckle (J) CCW. If the machine pulls to the right, rotate turnbuckle (J) CW. Return to neutral with keyswitch off. Tighten jam nuts (F & G).

TRACKING ADJUSTMENT

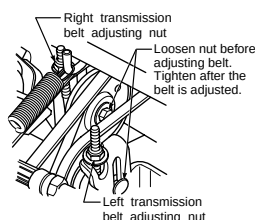
If the machine does not track straight through all speeds, loosen nut (A) on LH pump linkage. If the machine pulls to the right, move outward in slot to slow wheel. If the machine pulls to the left, move inward in slot to speed up left wheel. Re-adjust neutral starting with step # 2.

HYDRAULIC TANK FLUID LEVEL

Check hydraulic fluid level daily while fluid is cool. Fluid level should be 2-1/4" below top of filler neck. Fill with SAE 20W50 motor oil only.

IMPORTANT!
Do not overfill. Room for hot fluid expansion must be allowed or resulting expansion may cause leaks in the system.

ALL gearbox Lubricant:
Mobil SHC630



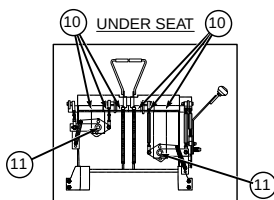
16

GREASE FITTING LUBRICATION

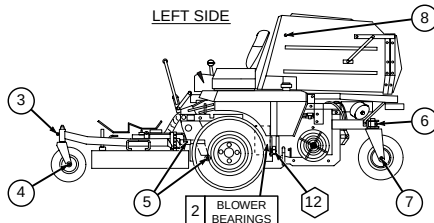
LUBRICANT / INTERVAL

- ☐ LITHIUM MP WHITE GREASE 2125
40 HOURS / WEEKLY
- ☐ CHASSIS GREASE
100 HOURS / BI - MONTHLY
- ☐ CHASSIS GREASE
200 HOURS / MONTHLY

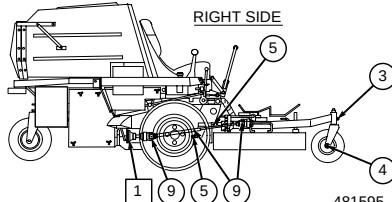
IMPORTANT
GREASE BLOWER
BEARINGS WEEKLY
LITHIUM MP WHITE GREASE 2125



LEFT SIDE



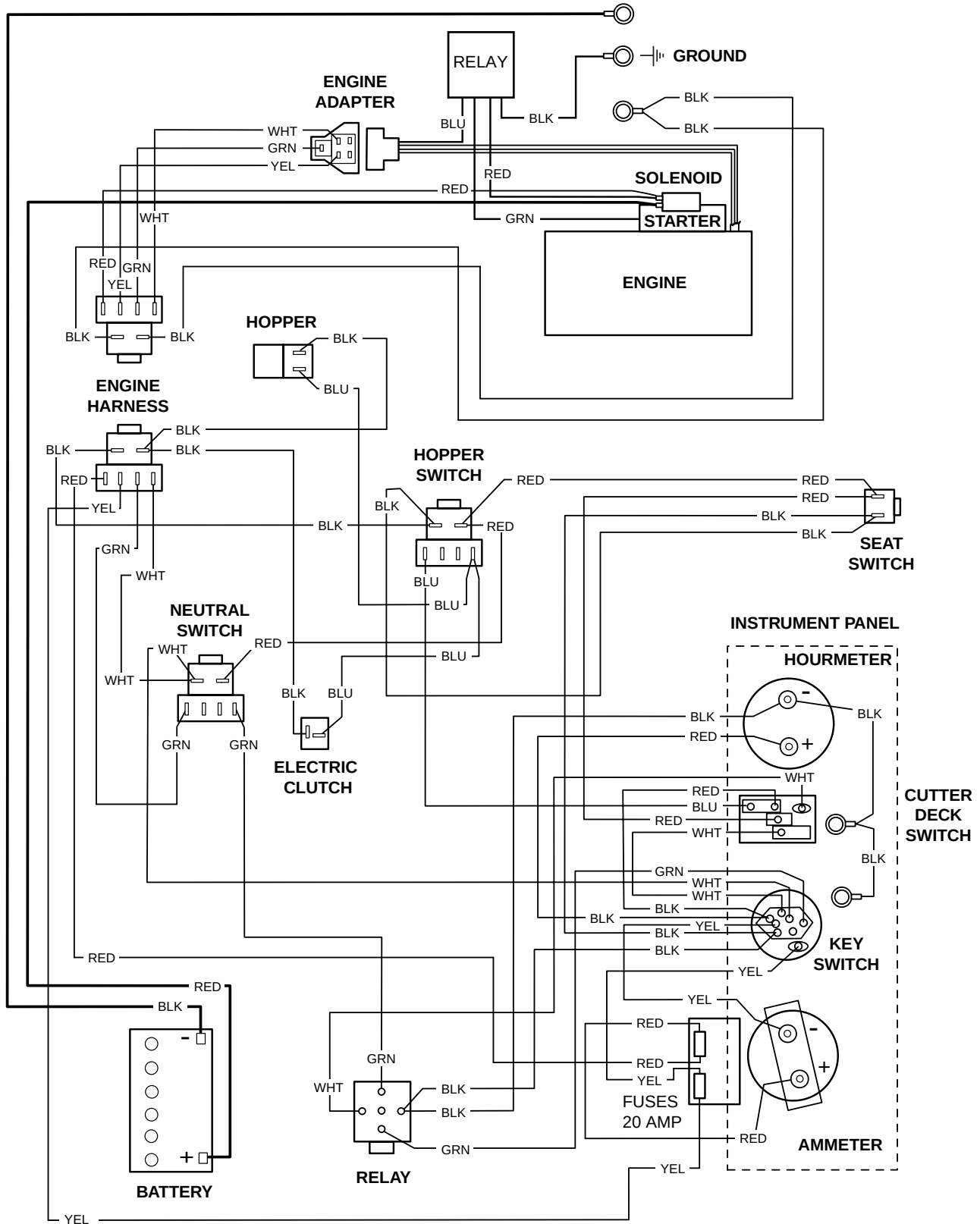
RIGHT SIDE



481595

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ELECTRICAL SCHEMATIC



FORWARD