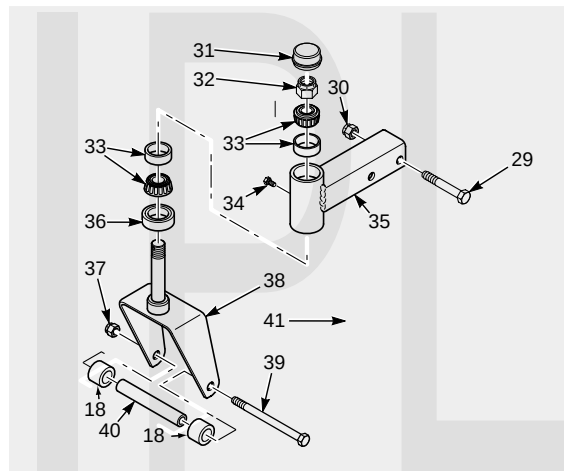


SCAG[®]

POWER EQUIPMENT



MODEL STT-31BSG

ILLUSTRATED PARTS LIST

THIS MANUAL CONTAINS THE ILLUSTRATED PARTS LIST FOR MODELS:

STT-31BSG	with a serial number of 7790001 to 8589999
SMST-61A	with a serial number of 7810001 to 8609999
SMST-72A	with a serial number of 7820001 to 8619999

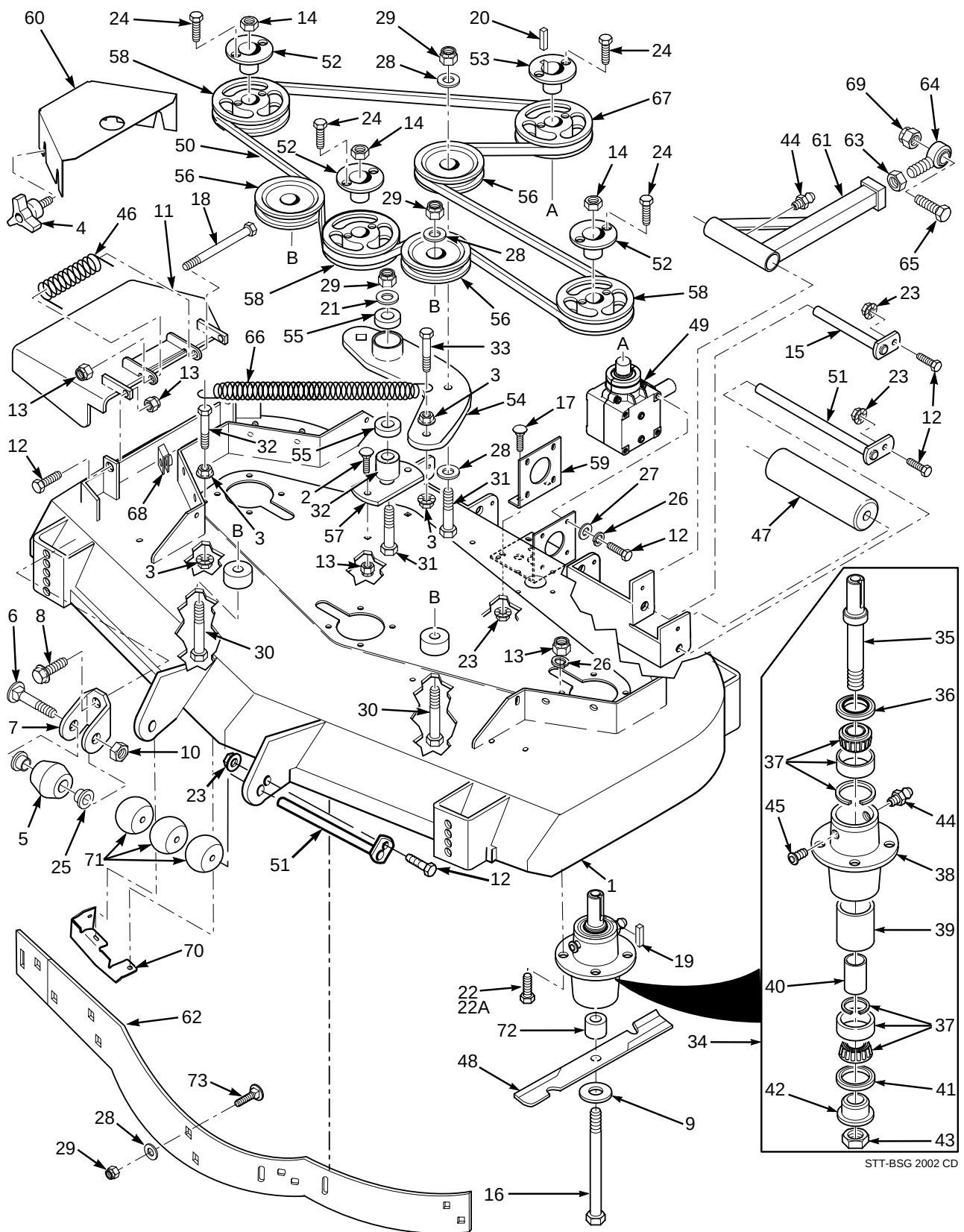
Notes



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61A, 72A CUTTER DECKS



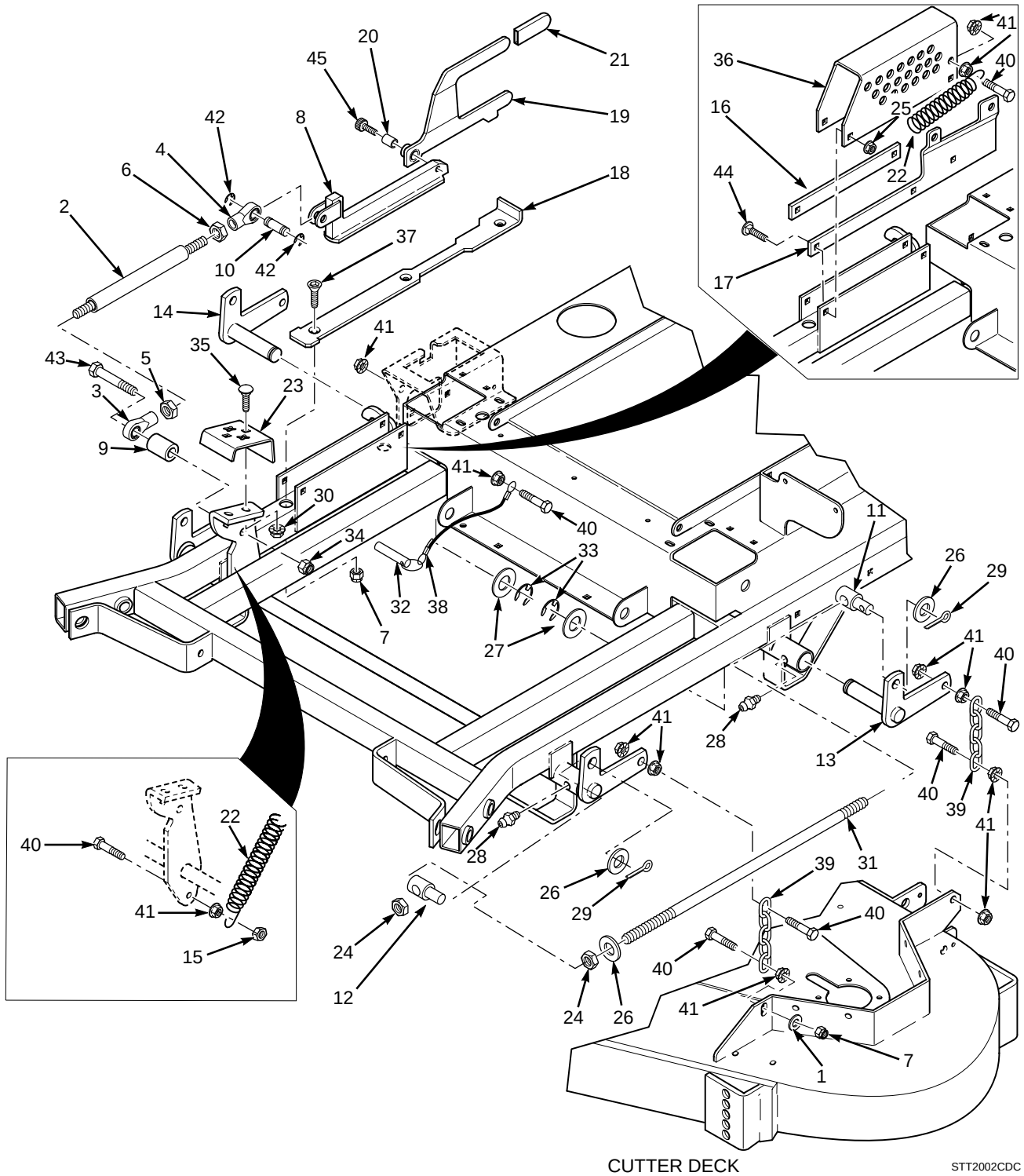
STT-BSG 2002 CD

61A, 72A CUTTER DECKS

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1 461505	Cutter Deck, 61" Advantage (Includes Decals)	42 43297	Spindle Bushing, Bottom
1 461507	Cutter Deck, 72" Advantage (Includes Decals)	43 481035	Nut, Special 1 - 1/16-18
2 04003-04	Bolt, Carriage 5/16-18 x 1"	44 48114-04	Grease Fitting
3 04019-04	Nut, Hex Serrated Flange 3/8-16	45 48677	Relief Fitting, Tapered Spindle
4 481625-01	Wing nut, 3/8-16	46 482245	Spring, Discharge Chute
5 481632	Anti-Scalp Wheel	47 48038	Guide, Roller
6 04003-26	Bolt, Carriage 3/8-16 x 4"	48 482001	Cutter Blade, 21.0" 61"
7 422478	Anti-Scalp Wheel Bracket	48 482002	Cutter Blade, 24.5" 72"
8 04017-27	Bolt, Hex Serrated Flange 3/8-16 x 1"	49 482486	Gearbox Assembly, Deck Drive
9 04043-06	Flatwasher, 5/8" (.688 x 1.75 x .134)	50 481558	Belt, Cutter Deck Drive, 61"
10 04021-05	Locknut, 3/8-16 Center Lock	50 481980	Belt, Cutter Deck Drive, 72"
11 461296	Discharge Chute, 61" & 72" Adv.	51 45944	Roller Shaft
12 04001-12	Bolt, Hex Head 5/16-18 x 1.75" (Front)	52 48926	Tapered Hub, 1-1/8" Bore
04001.11	Bolt, Hex Head 5/16-18 x 1.50" (Rear)	53 48141	Tapered Hub, 1" Bore
13 04021-10	Nut, Hex Elastic Stop 5/16-18	54 461174	Idler Arm, Cutter Deck
14 04020-09	Nut, 5/8-11 UNC	55 48224	Bearings, Ball
15 451240	Push Arm Shaft	56 482416	Pulley, Idler
16 04001-41	Bolt, Hex Head 5/8-11 x 9.50"	57 422713	Base, Idler Pivot
17 04003-12	Bolt, Carriage 5/16-18 x .75"	58 48753	Pulley, 6.35 O.D. - 61"
18 04001-154	Bolt, Hex Head 5/16-18 x 4.75"	48967	Pulley, 6.95 O.D. - 72"
19 04063-08	Key, 1/4 x 1/4 x 2"	59 422426	Mounting Plate, Gearbox
20 04063-01	Key, 1/4 x 1/4 x 1.25"	60 422413	Belt Cover, LH - 61"
21 04043-04	Flatwasher, 3/8-.39 x .938 x .105 HD	422677	Belt Cover, LH - 72"
22 04001-11	Bolt, Hex Head 5/16-18 x 1.50"	422413	Belt Cover, RH - 61"
22A 04001-12	Bolt, Hex Head 5/16-18 x 1.75"	422708	Belt Cover, RH - 72"
23 04021-10	Nut, Hex Serrated Flange 5/16-18	61 461516	Pusharm (includes items 44, 63 & 64)
24 04001-01	Bolt, Hex Head 1/2-20 x .75"	62 451509	Baffle, Custom Cut 61A
25 48100-15	Bushing, .376 I.D. Oilite	451510	Baffle, Custom Cut 72A
26 04030-03	Lockwasher, 5/16"	63 04020-16	Nut, Hex Head 5/8-18 UNF
27 04040-15	Flatwasher, 5/16" (.375 x .875 x .083)	64 48763	Rod End, 5/8" Male RH Thread
28 04041-07	Flatwasher, 3/8" (.391 x .938 x .105)	65 04001-79	Bolt, Hex Head 5/8-11 x 4-1/2"
29 04021-09	Nut, Hex Elastic Stop 3/8-16	66 481597	Spring, Cutter Deck
30 04001-62	Bolt, Hex Head 3/8-16 x 3.25"	67 482480	Pulley, 6.75 O.D. - 61"
31 04001-31	Bolt, Hex Head 3/8-16 x 2.50"	48753	Pulley, 6.35 O.D. - 72"
32 43503	Pivot, Idler - Short	68 04110-03	U-Nut, 3/8-16
33 04001-136	Bolt, Hex Head 3/8-16 x 1.50" Grade 8	69 04021-13	Nut, Hex Elastic Stop 5/8-11
34 46631	Spindle Assembly	70 422601	Discharge Baffle 61"
35 43589	Spindle Shaft	422602	Discharge Baffle 72"
36 481024	Seal, Top	71 482295	Guide Roller
37 481022	Bearing Assembly	72 43590	Spacer, Spindle
38 43294	Spindle Housing	73 04003-23	Bolt, Carriage 3/8-16 x 1"
39 43312	Spacer, Outside		
40 43296	Spacer, Inside		
41 481025	Seal, Bottom		

* Common hardware which should be purchased locally. All bolts Grade 5 plated, all other fasteners zinc plated.

CUTTER DECK CONTROLS

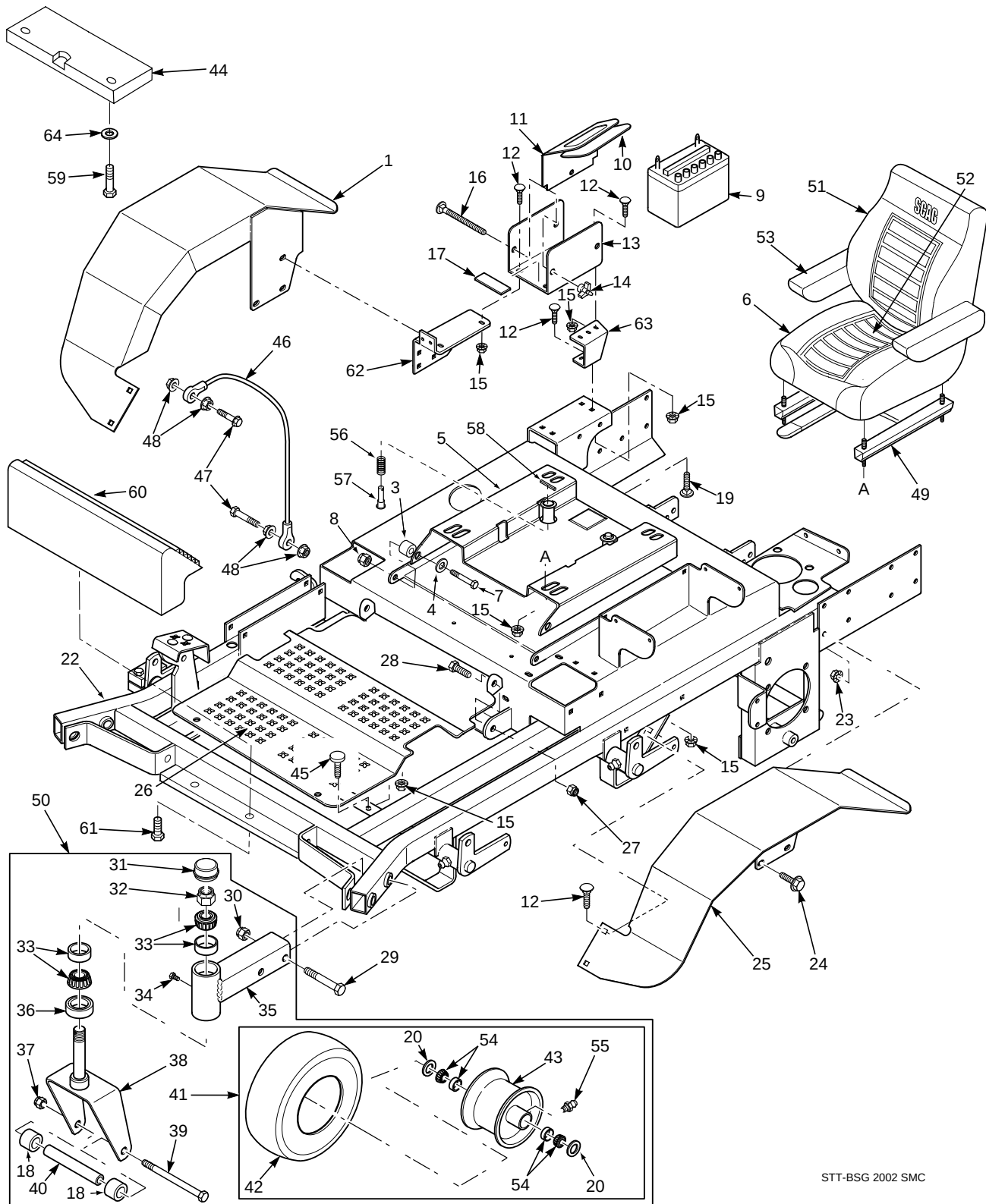


CUTTER DECK CONTROLS

Ref. No.	Part No.	Description
1	04041-07	Flatwasher, 3/8"
2	481764	Link, Deck Lift
3	481765	Rod End, Female - 1/2-20 RH
4	481766	Rod End, Female - 1/2-20 LH
5	04020-27	Nut, Jam 1/2-20 RH
6	04020-28	Nut, Jam 1/2-20 LH
7	04021-09	Nut, 3/8-16 Elastic Stop
8	482429	Slide Weldment, Height Adjustment
9	43391	Spacer, Decklift Pedal
10	43487	Pin, Decklift
11	43526	Swivel Joint, LH
12	43527	Swivel Joint, RH
13	45904	Bellcrank Weldment, LH Rear
14	45905	Bellcrank Weldment, RH Rear
15	04021-05	Locknut, 3/8-16 Center Lock
16	422381	Guide, Short
17	423509	Guide, Long
18	422346	Lockplate, Decklift
19	46975	Deck Latch (Includes items 20& 21)
20	48100-14	Bushing, .502 ID.
21	481428	Grip, Deck Latch
22	481598	Spring, Helper (61" & 72" Cutter Decks Only)
23	422451	Foot Pedal, Height Adjustment
24	04020-09	Nut, Hex 5/8-11
25	04019 -03	Nut, Hex Serrated Flange 5/16-18
26	04040-09	Flatwasher, 5/8" (.656 x 1.312 x .095)
27	04041-14	Flatwasher, 1" (1.062 x 1.50 x .048)
28	48114-04	Grease Fitting
29	04061-07	Cotter Pin, 3/16 x 1"
30	04021-10	Nut, Hex Elastic Stop 5/16-18
31	04004-44	Stud, 5/8-11 x 22.0"
32	04067-05	Ring Pin, 1/2 x 3.30"
33	04050-08	Ring, Retaining 1" External "E"
34	04021-07	Nut, Hex Elastic Stop 1/2-13
35	04003-11	Bolt, Carriage 3/8-16 x 1-1/4"
36	423463	Bracket, Cutting Height Adjustment
37	04014-03	Screw, Cap 5/16-18 x 3" FHHS
38	481547	Lanyard, Deck Height Pin
39	48540	Chain
40	04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
41	04019-04	Nut, Hex Serrated Flange 3/8-16
42	04050-10	Ring, Retaining 1/2" External "E"
43	04001-74	Bolt, Hex Head 1/2-13 x 3"
44	04003-04	Bolt, Carriage 5/16-18 x 1"
45	04009-02	Bolt, Shoulder 1/2 x 3/4"

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SHEET METAL COMPONENTS



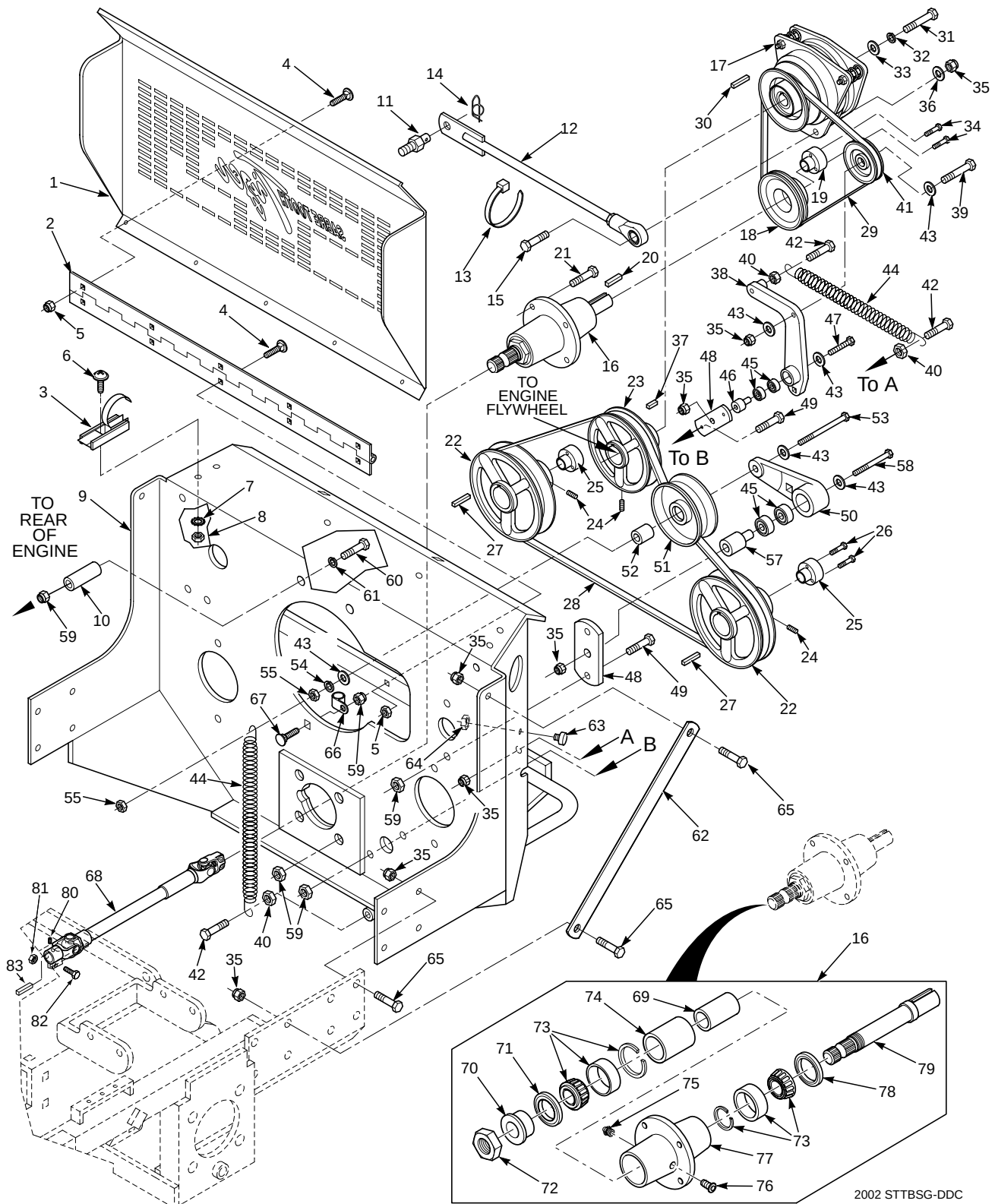
STT-BSG 2002 SMC

SHEET METAL COMPONENTS

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	451481	Fender Weldment, RH	38	451416	Yoke Weldment, Caster (61A & 72A)
2	04001-09	Bolt, Hex Head, 5/16-18 x 1, Zinc	39	04001-134	Bolt, Hex Head 1/2-13 x 7-1/2" (52A)
3	43606	Spacer		04001-167	Bolt, Hex Head 1/2-13 x 9-1/2" (61A & 72A)
4	04041-07	Flatwasher, 3/8-.391 x .938 x .105	40	43581	Sleeve, Caster Wheel (52A)
5	451448	Seat Plate Weldment		43583	Sleeve, Caster Wheel (61A, 72A)
6	482597	Seat Assembly w/armrest	41	482504	Wheel Assy (Inc.items 20, 42, 43, 54, 55)
7	04001-45	Bolt, Hex Head 3/8-16 x 2.0"	42	481613	Tire, 13 x 5.00 4-Ply (52A)
8	04021-09	Nut, Elastic Stop 3/8-16		482619	Tire, 13 x 6.50 4-Ply (61A, 72A)
9	482283	Battery (Not Avail. through Scag)	43	482625	Rim Assembly, 52A (Includes item 55)
10	481780	Pad, Battery Cover		482620	Rim Assembly, 61A & 72A (Inc. item 55)
11	422682	Cover, Battery	44	41020	Weight (61" cutter deck only)
12	04003-12	Bolt, Carriage 5/16-18 x 3/4"	45	481284	Bumper, Rubber
13	423425	Plate, Battery Box	46	48566	Cable, Seat Stop
14	04029-01	Wing Nut, 1/4-20 x 3/4"	47	04001-59	Bolt, Hex Head 1/4-20 x 1-1/4"
15	04019-03	Nut, Hex Serrated Flange 5/16-18	48	04019-02	Nut, Hex Serrated Flange 1/4-20
16	04003-30	Bolt, Carriage 1/4-20 x 6"	49	482502	Seat Adjustment, Track Set
17	48661	Rubber Pad	50	461447	Caster Wheel Assy (Inc. 31 thru 43)
18	43584	Spacer, Caster Wheel			61A (LH)
19	04003-04	Bolt, Carriage 5/16-18 x 1"		461448	Caster Wheel Assy (Inc. 31 thru 43)
20	482622	Seal			61A (RH)
21	04021-09	Lock Nut, 3/8-16, Elast. Stop		461449	Caster Wheel Assy (Inc. 31 thru 43)
22	461524	Main Frame			72A (LH)
23	04019-04	Nut, Hex Serrated Flange 3/8-16		461450	Caster Wheel Assy (Inc. 31 thru 43)
24	04017-27	Screw, Hex Serrated Flange 3/8-16 x 1"			72A (RH)
25	451480	Fender Weldment, LH	51	482614	Back Cushion Cover
26	423489	Foot Plate	52	482615	Seat Cushion Cover
27	04021-09	Nut, Hex Elastic Stop 3/8-16	53	482618	Arm Rest, Right Hand
28	04001-19	Bolt, Hex Head 3/8-16 x 1"		482617	Arm Rest, Left Hand
29	04001-125	Bolt, Hex Head 5/8-11 x 4"		482616	Arm Rest Cover
30	04021-13	Nut, Hex Elastic Stop 5/8-11	54	482621	Bearing w/ Race
31	481559	Cap, Grease	55	48114-07	Grease Fitting
32	04021-20	Nut, Hex Elastic Stop 1.0-14	56	481389	Spring, Seat
33	481657	Bearing W/Race	57	43462	Pin Retainer, Spring
34	482028-01	Plug, 1/4-28 THD Form	58	04060-01	Roll Pin, Spring 5/32 x 3/4"
35	451449	Extention Weldment, Caster 52A (LH)	59	04001-145	Bolt, Hex Head 1/2-13 x 3.5"
	451450	Extention Weldment, Caster 52A (RH) & 61A (LH)	60	481825	Footrest
	451451	Extention Weldment, Caster 61A (RH)	61	04001-71	Bolt, Hex Head 1/2-13 x 1.5"
	451452	Extention Weldment, Caster 72A (LH)	62	423419	Mounting Bracket, Battery
	451453	Extention Weldment, Caster 72A (RH)	63	423624	Support Bracket, Battery Box
36	481025	Seal, 2.00 OD. x 1.625 Bore	64	04040-13	Flat Washer 1/2-.562 x .1.375 x .109
37	04021-07	Nut, Hex Elastic Stop 1/2-13			

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DECK DRIVE COMPONENTS

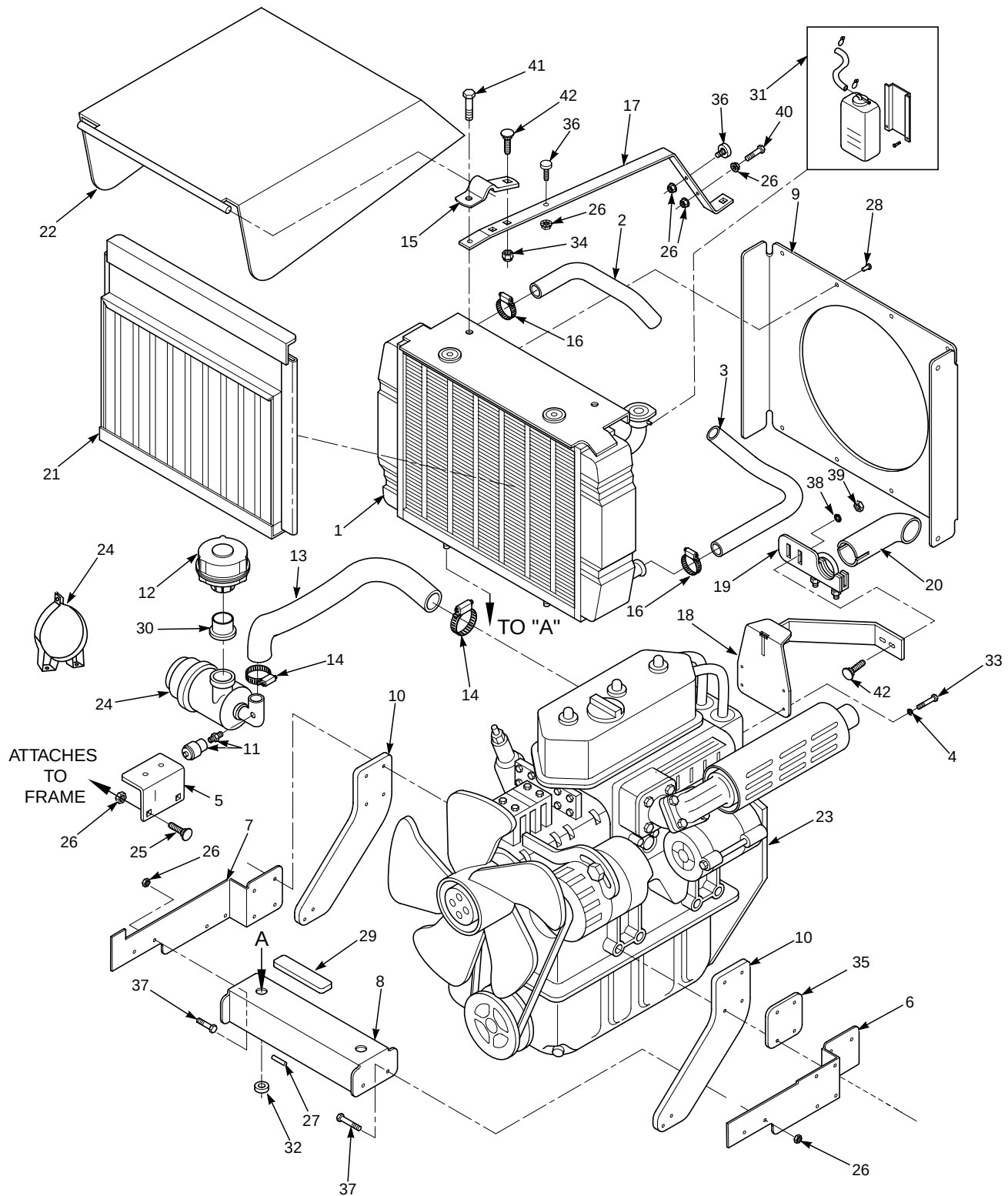


DECK DRIVE COMPONENTS

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1 422845	Belt Guard, Rear	53 04001-138	Bolt, Hex Head 3/8-16 x 3.75" Grade 8
2 481531	Hinge, Rear Belt Guard	54 04030-04	Lock Washer 3/8" .638 x .380 x .094"
3 481309	Latch, Hood	55 04020-04	Nut 3/8-16
4 04003-07	Carr. Bolt 1/4-20 x .5"	56 04021-05	Nut, Elastic 3/8-16
5 04019-02	Nut, Serr. Flg. 1/4-20	57 43504	Pivot, Idler - Long
6 04010-01	Screw, #10-32 x .5, Phillips Head	58 04001-54	Bolt, Hex Head 3/8-16 x 3.00"
7 04031-01	Lock Washer, #10	59 04021-10	Nut, Elastic 5/16-18
8 04020-01	Nut, #10-32	60 04001-49	Bolt, Hex Head 5/16-18 x 3.00"
9 451457	Weldment, Pump Mounting	61 04030-03	Lock Washer 5/16"
10 43506	Spacer, Engine	62 422684	Brace, Engine Mounting Plate
11 43507	Stud, Anti-Rotation	63 481284	Bumper, Rubber
12 482433	Linkage Assembly, Anti-Rotation	64 04019-03	Nut, Serr. Flg. 5/16-18
13 48028-05	Tie, Cable	65 04001-19	Bolt, Hex Head 3/8-16 x 1.00"
14 04069-01	Pin, Rue	66 48030-09	Clamp, Wire
15 04001-20	Bolt, Hex Head 3/8-16 x 1.50"	67 04003-12	Bolt, Carr. 5/16-18 x .75"
16 46977	Spindle Assembly, Deck Drive	68 482438	Driveshaft
17 461467	Clutch, Electric PTO	69 43296	Spacer, Inside
18 481398	Pulley, 6.35" dia. Tapered Bore	70 43297	Bushing
19 481536	Hub, Tapered 1" dia.	71 481025	Seal, 2.00 OD x 1.625 Bore
20 04063-06	Key, 1/4 x 1/4 x 1.5"	72 481035	Nut, 1.06-18
21 04001-10	Bolt, Hex Head 5/16-18 x 1.25"	73 481022	Roller Bearing Assembly
22 481883	Pulley, 6.25" OD, Tapered	74 43312	Spacer, Outside
23 481788	Pulley, 5.45" OD	75 48114-04	Grease Fitting 1/4-28 Self Tapping
24 04012-04	Set Screw, 5/16-18 x .375"	76 48677	Relief Fitting
25 481884	Hub, Tapered 17mm Bore	77 43294	Spindle Housing
26 04001-01	Bolt, Hex Head 1/4-20 x .75"	78 481024	Seal, 2.00 OD x 1.5 Bore
27 04063-27	Key, 5mm x 5mm x 30mm	79 43534	Shaft, Spindle
28 481461	Belt, Pump Drive	80 04012-08	Screw, Set 3/8-16 x 3/8"
29 481460	Belt, Deck Drive	81 04021-05	Nut, Center Lock 3/8-16
30 04063-11	Key, 1/4 x 1/4 x 2.5"	82 04001-21	Bolt, Hex Head 3/8-16 x 1-3/4"
31 04001-101	Bolt, Hex Head 7/16-20 x 2.5"	83 04063-20	Key, 1/4 x 1/4 x 1"
32 04030-05	Lock Washer 7/16"		
33 04041-28	Flat Washer 7/16 x .469 x 1.75 x .25"		
34 04001-109	Bolt, Hex Head 1/4-20 x 1.375"		
35 04021-09	Nut, Elastic Stop 3/8-16		
36 04041-07	Flat Washer 3/8, .391 x .938 x .105"		
37 04063-20	Key, 1/4 x 1/4 x 1.00"		
38 461079	Idler Arm		
39 04001-46	Bolt, Hex Head 3/8-16 x 2.25"		
40 04019-04	Nut, Serr. Flg. 3/8-16		
41 48181	Pulley, PTO Idler		
42 04001-136	Bolt, Hex Head 3/8-16 x 1.5" Grade 8		
43 04043-04	Flat Washer 3/8" Grade 8		
44 481522	Spring		
45 48224	Bearing		
46 43503	Pivot, Idler - Short		
47 04001-31	Bolt, Hex Head 3/8-16 x 2.5"		
48 422714	Base, Idler Pivot		
49 04001-09	Bolt, Hex Head 5/16-18 x 1.00"		
50 461015	Idler Arm		
51 48198	Pulley, Pump Idler		
52 43277	Spacer		

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RADIATOR, COOLERS & ENGINE BRACKETS



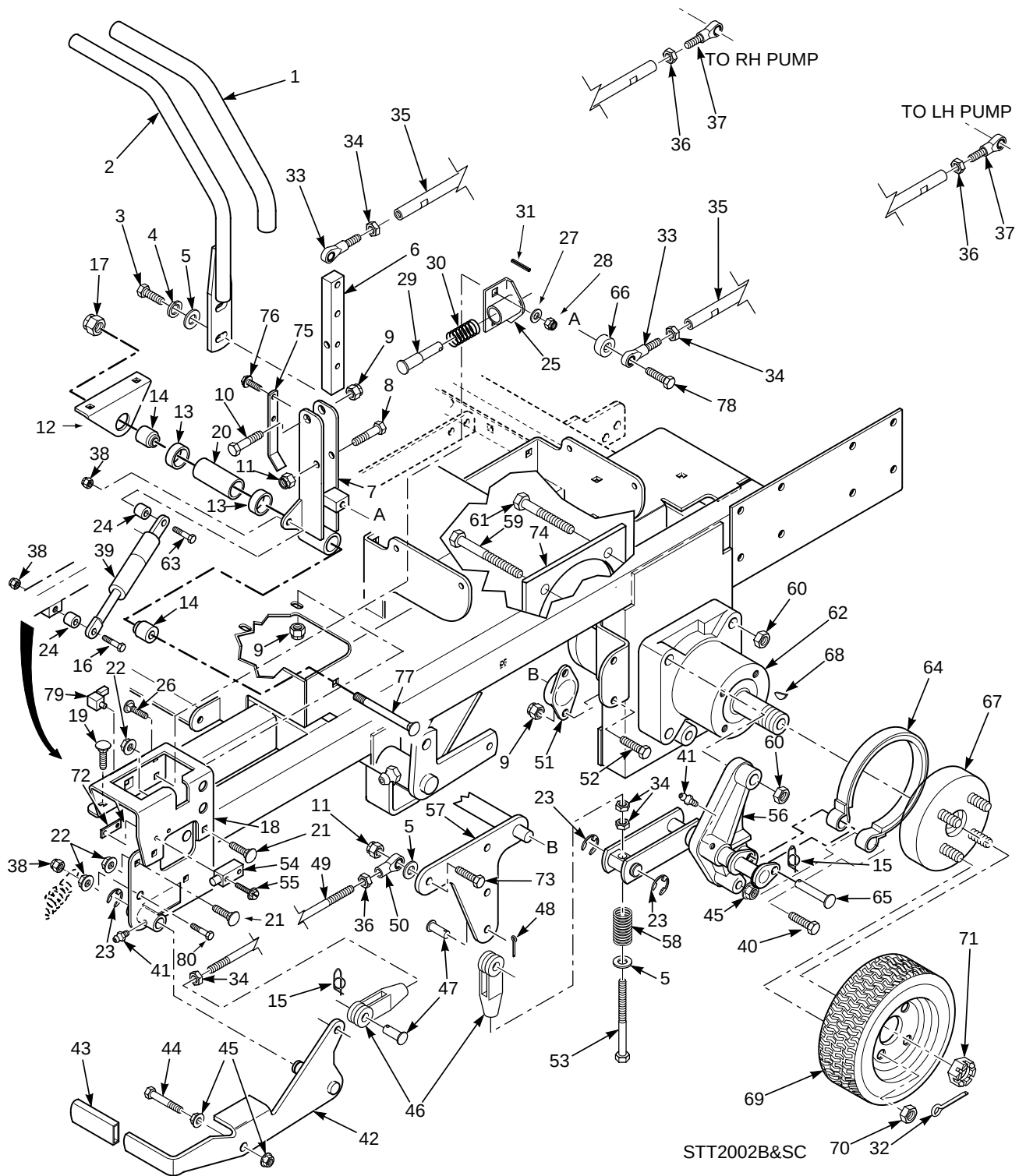
RADIATOR, COOLERS & ENGINE BRACKETS

Ref. No.	Part No.	Description
1	481810	Radiator
2	481742	Hose, Upper Radiator
3	481743	Hose, Lower Radiator
4	04030-03	Lockwasher, 5/16 (.317 x .586 x .078) Helical Spring
5	423628	Bracket, Air Cleaner
6	423539	Bracket, Engine Mounting LH
7	423540	Bracket, Engine Mounting RH
8	422702	Bracket, Radiator Mounting
9	422704	Shroud, Radiator
10	422696	Plate, Engine Mounting
11	481818	Indicator, Air Cleaner
12	481816	Pre-Cleaner, Engine Air (incl. item 30)
13	482522	Hose, Air Intake
14	48136-09	Clamp, Hose (2.25" Dia.)
15	422703	Hinge, Hood
16	48136-12	Clamp, Hose (1.50" Dia.)
17	422736	Bracket, Hood Support
18	451120	Bracket, Exhaust Support
19	451121	Clamp Weldment, Muffler (Clamp and Weldment)
	48633	Clamp, Muffler (Clamp Only)
20	481827	Elbow, Exhaust
21	451083	Screen, Debris
22	451082	Hood
23	481795	Engine, Briggs & Stratton 31 HP (Spec. # 580447-0116-E2) Not Available Through Scag, Contact Briggs & Stratton)
24	**	Air Cleaner Assembly w/ Mounting Band (Not Available Through Scag, Contact Briggs & Stratton)
25	04003-12	Bolt, Carr. 5/16-18 x .75"
26	04019-03	Nut, Serr. Flng 5/16-18
27	04069-02	Pin, Rue Cotter 1/2" dia.
28	04090-04	Rivet, Pop 1/8 x .294"
29	481817	Pad, Radiator
30	481924	Adaptor, Pre-Cleaner
31	**	Coolant Tank Assembly w/Hose (Not Available Through Scag, Contact Briggs & Stratton)
32	43508	Spacer, Radiator
33	04002-12	Bolt, Hex Head M8 x 20MM LG
34	04002-10	Nut, 5/16-18 Elastic Stop
35	422715	Engine Spacer
36	481284	Bumper, Rubber
37	04001-08	Bolt, Hex Head 5/16-18 x .75"
38	04040-15	Flatwasher, 5/16 (.375 x .875 x .083)
39	04021-10	Nut, 5/16-18 Elastic Stop
40	04001-11	Bolt, Hex Head 5/16-18 x 1.50"
41	04017-16	Bolt, Hex Head 5/16-18 x .75 Serrated Flange
42	04003-04	Bolt, Carrage 5/16-18 x 1.0"

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** Purchase through Briggs & Stratton.

BRAKE AND STEERING COMPONENTS

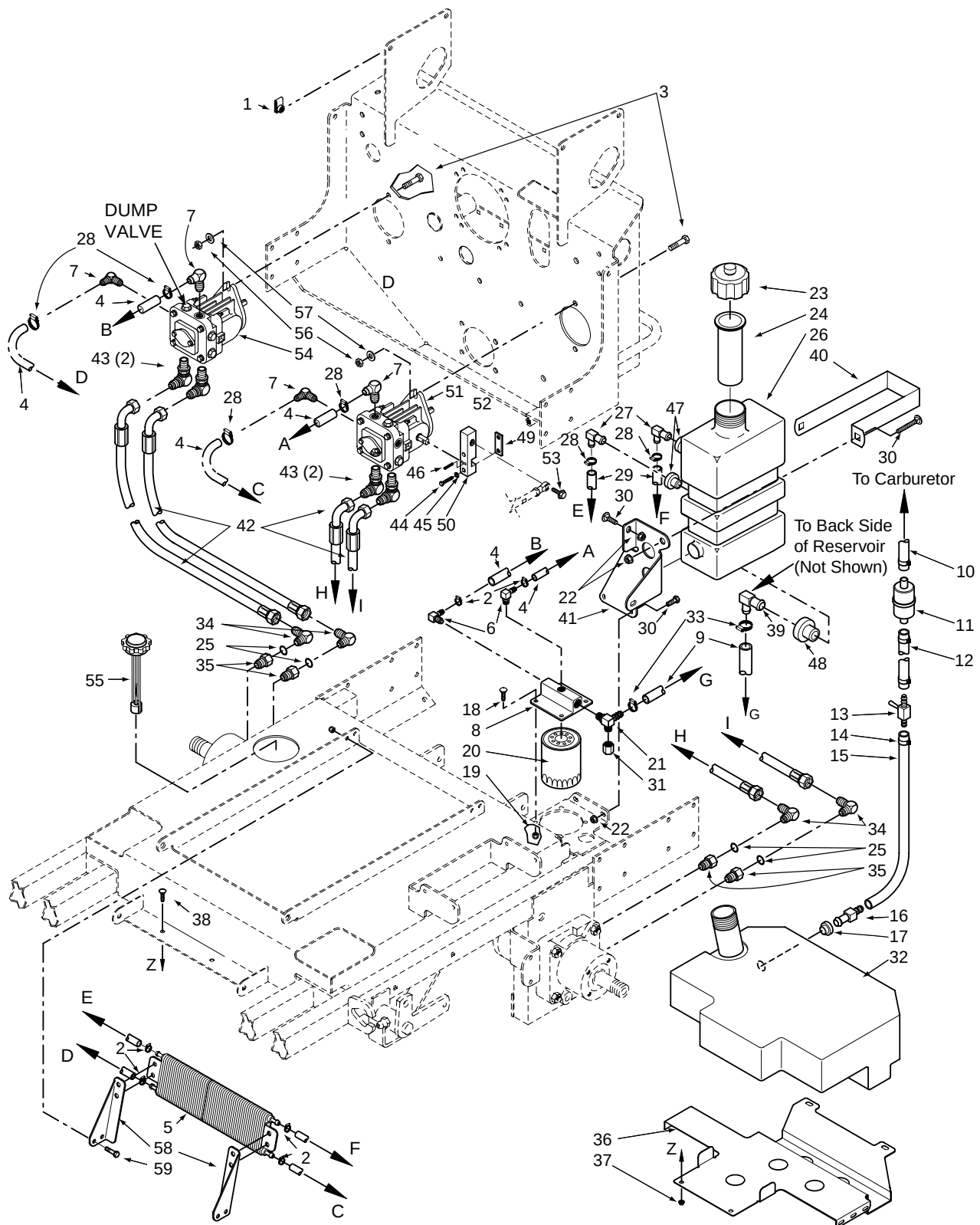


BRAKE AND STEERING COMPONENTS

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1 482340	Grip, Handle Bar	44 04001-22	Bolt, Hex Head 3/8-16 x 2-3/4"
2 461386	Handle Bar (Includes item 1)	45 04019-04	Nut, Hex Serrated Flange 3/8-16
3 04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"	46 48343-04	Clevis, Traction Control
4 04030-04	Lockwasher, 3/8"	47 04064-02	Pin, Clevis 3/8-16 x 1-1/16"
5 04041-07	Flatwasher, 3/8" (.391 x .938 x .105)	48 04061-02	Pin, Cotter 3/32 x .75
6 422372	Bar, Control Lever	49 04004-34	Rod, Parking Brake
7 451483	Control Lever Weldment, LH	50 48544	Rod End, LH Thread
451484	Control Lever Weldment, RH	51 48796	Bushing, Self Align
8 04001-17	Bolt, Hex Head 5/16-18 x 2"	52 04001-08	Bolt, Hex Head 5/16-18 x 3/4"
9 04021-10	Nut, Hex Elastic Stop 5/16-18	53 04001-147	Bolt, Hex Hd 3/8-24 x 5-1/4", 23/4" Thrd
10 04001-45	Bolt, Hex Head 3/8-16 x 2"	54 481637	Switch
11 04021-09	Nut, Hex Elastic Stop	55 04010-12	Screw, Hex SLTD WSHR Head #10 32 x 3/4"
12 423488	Mount, Control Linkage	56 461471	Brake Linkage, LH
13 48224	Ball Bearings, Neutral Return	461472	Brake Linkage, RH
14 43607	Spacer	57 45953	Bellcrank, Brake Actuator
15 04069-01	Pin, Rue Cotter 3/8 Dia.	58 48807	Spring
16 04001-13	Bolt, Hex Head, 5/16-18 x 2.75 Zinc.	59 04001-163	Bolt, Hex Head 1/2-13 x 3-3/4"
17 04021-13	Nut, Hex Elastic Stop 5/8-11	60 04021-19	Locknut, Hex 1/2-13 Center Lock
18 461601	Bracket, Control Lever LH	61 04001-52	Bolt, Hex Head 1/2-13 x 2-1/2"
461602	Bracket, Control Lever RH	62 481787	Wheel Motor, Ross
19 04003-04	Bolt, Carriage 5/16-18 x 1"	63 04001-12	Bolt, Hex Head, 5/16-18 x 1.75, Zinc
20 43600	Spacer, Bearing	64 481601	Brake Band Assembly
21 04003-12	Bolt, Carriage 5/16-18 x 3/4"	65 04064-16	Pin, Clevis 3/8" Dia. x 1.93"
22 04019-03	Nut, Hex Serrated Flange 5/16-18	66 43063	Spacer
23 04050-01	Ring, Retaining 5/8" External "E"	67 461585	Wheel Hub/Brake Drum Assembly
24 43602	Spacer	68 04063-25	Key, Woodruff 5/16 x 1"
25 45918	Bracket, Neutral Return	69 481552	Wheel Assembly 23 x 10.5-12 (52" Only)
26 04003-02	Bolt, Carriage 1/4-20 x 3/4"	481659	Rim W/Valve Stem (52" Only)
27 04040-14	Flatwasher, 1/4" (.312 x .750 x .065)	481660	Tire, 23 x 10.5-12 (52" Only)
28 04021-08	Nut, Hex Elastic Stop 1/4-20	481850	Wheel Assembly 24 x 12-12 Turf Master
29 43477	Pin, Retaining Spring	481851	Rim W/Valve Stem
30 481389	Spring	481852	Tire, 24 x 12-12 Turf Master
31 04060-01	Roll Pin, Spring 5/32 x 3/4"	70 04028-02	Lug Nut, 1/2-20
32 04061-06	Pin, Cotter 9/16 x 1-1/2"	71 48680	Nut, Hex Castle
33 482586	Rod End, Male 3/8-24 RH Thread	72 422373	Threaded Plate
34 04020-25	Nut, 3/8-24 RH Thread	73 04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
35 481767	Tube, Control Link	74 423279	Plate Weldment, Motor Backing
36 04020-26	Nut, Hex 3/8-24 LH Thread	75 423491	Actuator Switch
37 482585	Rod End, Male 3/8-24 LH Thread	76 04017-16	Bolt, Hex Serrated Flange 5/16-18 x 3/4"
38 04021-10	Locknut, 5/16-18, Elastic Stop	77 04003-36	Bolt, Carriage 3/8-16 x 4-3/4"
39 482452	Gas Damper	78 04001-19	Bolt, Hex Head 3/8-16 x 1"
40 04001-31	Bolt, Hex Head 3/8-16 x 2-1/2"	79 481638	Switch
41 48114-04	Grease Fitting	80 04001-168	Bolt, Hex Head 3/8-16 x 1-1/4" Grade 8
42 461082	Lever, Parking Brake (Includes item 43)		
43 481548	Grip, Parking Brake		

* Common hardware which should be purchased locally. All bolts Grade 5 plated, all other fasteners zinc plated.

FUEL AND HYDRAULIC SYSTEM



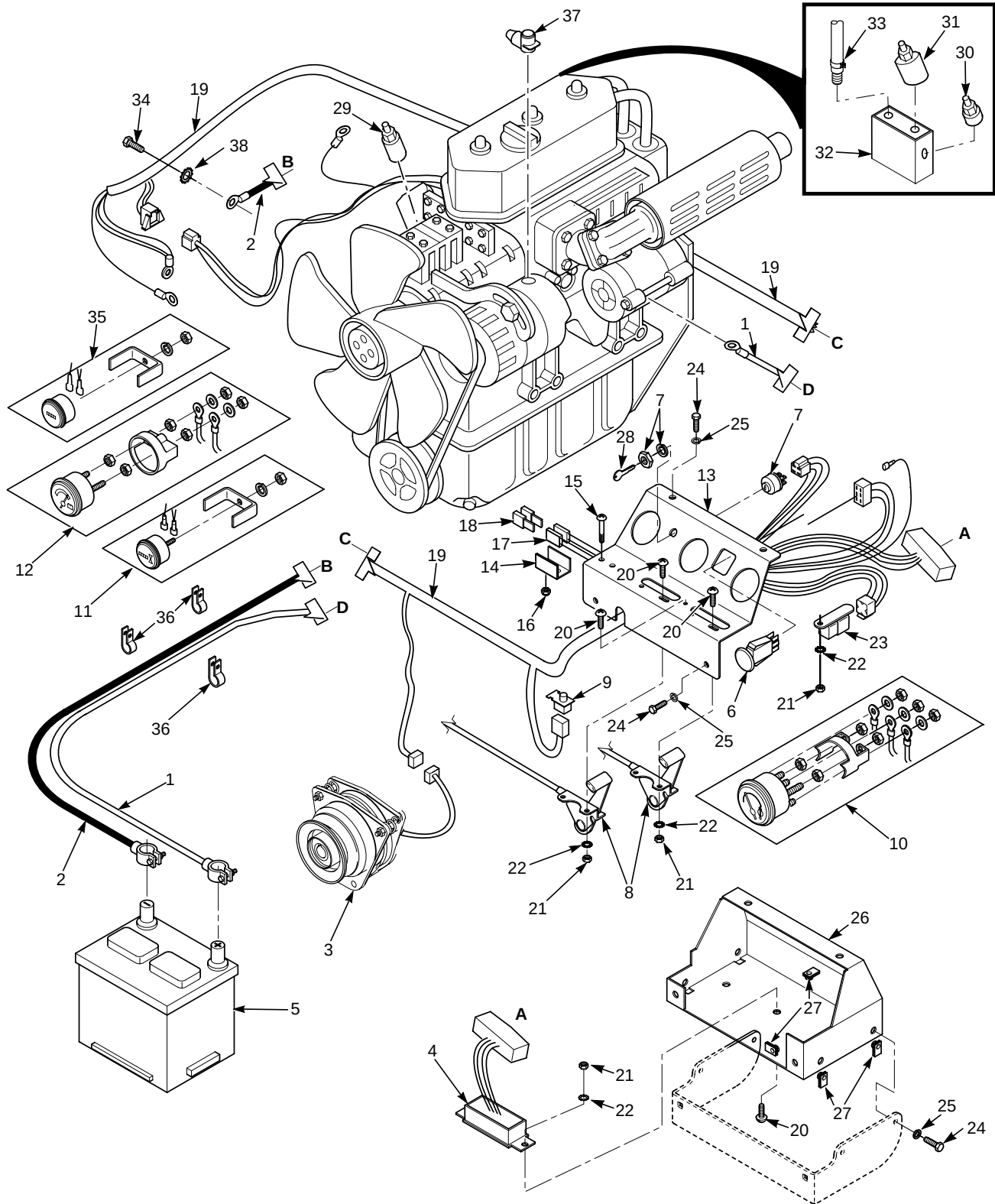
FUEL AND HYDRAULIC SYSTEM

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1 04110-01	U-Nut 1/4-20	36 423701	Support Bracket, Fuel Tank
2 48136-13	Hose Clamp, 0.69 dia.	37 04019-03	Nut, 5/16-18 Serrated Flange
3 04001-03	Bolt, Hex Head 1/4-20 x 2.0"	38 04003-02	Bolt, Carraige 1/4-20 x 3/4"
4 48811	Hose, 3/8" ID Pushlock - (order by inch)	39 482574	Elbow, 90 Degree
5 482505	Cooler, Oil	40 423513	Strap, Hydraulic Tank
6 482266-01	Elbow, 90 Degree - 9/16 O-ring x 3/8 Hose	41 423485	Support Bracket, Hydraulic Tank
7 482266-02	Elbow, 90 Degree - 3/4 O-ring x 3/8 Hose	42 482516	Hose Assembly, Pump
8 48471-02	Oil Filter Base	43 48350-05	Elbow, 90 Degree 7/8-14 Thread
9 482563	Hose Assembly, 1/2" ID (Tank to Filter Base)	44 04001-59	Bolt, Hex Head, 1/4-20 x 1-14"
10 48058	Fuel Hose to Carb., 1/4" ID (order by inch)	45 04030-02	Lockwasher, 1/4" Spring
11 **	Fuel Filter	46 04060-06	Roll Pin, Spring 3/16 x 3/4"
12 48058	Fuel Hose, 1/4" ID. (order by inch)	47 482571	Bushing, .56 Dia.
13 48568	Valve, Shutoff	48 482573	Bushing, .78 Dia.
14 48059-02	Clamp, Fuel Hose 7/32 ID	49 422694	Clamp Plate, Pump Control
15 48058	Fuel Hose, 1/4" ID. (order by inch)	50 481793	Block, Pump Control
16 481602	Hose Fitting	51 481792	Pump, Left Hand, BDP-21L-305
17 48309	Bushing	52 04021-09	Nut, Hex, Elastic Stop 3/8-16
18 04001-09	Bolt, Hex Head 5/16-18 x1.0" Zinc	53 04001-32	Bolt, Hex Head, 3/8-16 x 1-1/4
19 04019-03	Nut, Serrated Flange 5/16-18	54 481819	Pump, Right Hand, BDP-21L-403
20 48758	Oil Filter	55 482497	Cap, Fuel Tank W/Guage
21 482483	Tee, 3/4 O-ring x JIC x 1/2" Hose	56 04021-09	Nut, Hex Elastic Stop 3/8-16
22 04021-08	Nut, Hex Elastic Stop 1/4-20	57 04043-04	Flatwasher, 3/8" (.391 x .938 x .105) Grade 8
23 481164	Cap, Hydraulic Tank	58 423524	Mounting Bracket - LH, Oil Cooler
24 481507	Insert, Filler Neck	423525	Mounting Bracket - RH, Oil Cooler
25 48603-02	O-Ring	59 04001-08	Bolt, Hex Head 5/16-18 x 3/4"
26 461451	Oil Reservoir Assembly (includes 24, 27, 39)		
27 482572	Elbow, 90 Degree, 9/16-18 JIC x 9/16 O-Ring		
28 48136-13	Hose Clamp, 0.69 dia.		
29 48811	Hose, 3/8" ID, Pushlock (order by inch)		
30 04010-10	Screw, Phillips Head, 1/4-20		
31 48571-02	Cap		
32 461445	Fuel Tank Assembly (includes items 23 & 24)		
33 48136-05	Clamp, Hose		
34 48350-05	Elbow, 90 Degree, 7/8-14 THD		
35 48938-02	Bushing, 7/8-14 JIC x 3/4-16 O-Ring		

* Common hardware which should be purchased locally. All bolts Grade 5 plated, all other fasteners zinc plated.

** Available through the individual engine manufacturer.

ELECTRICAL SYSTEM

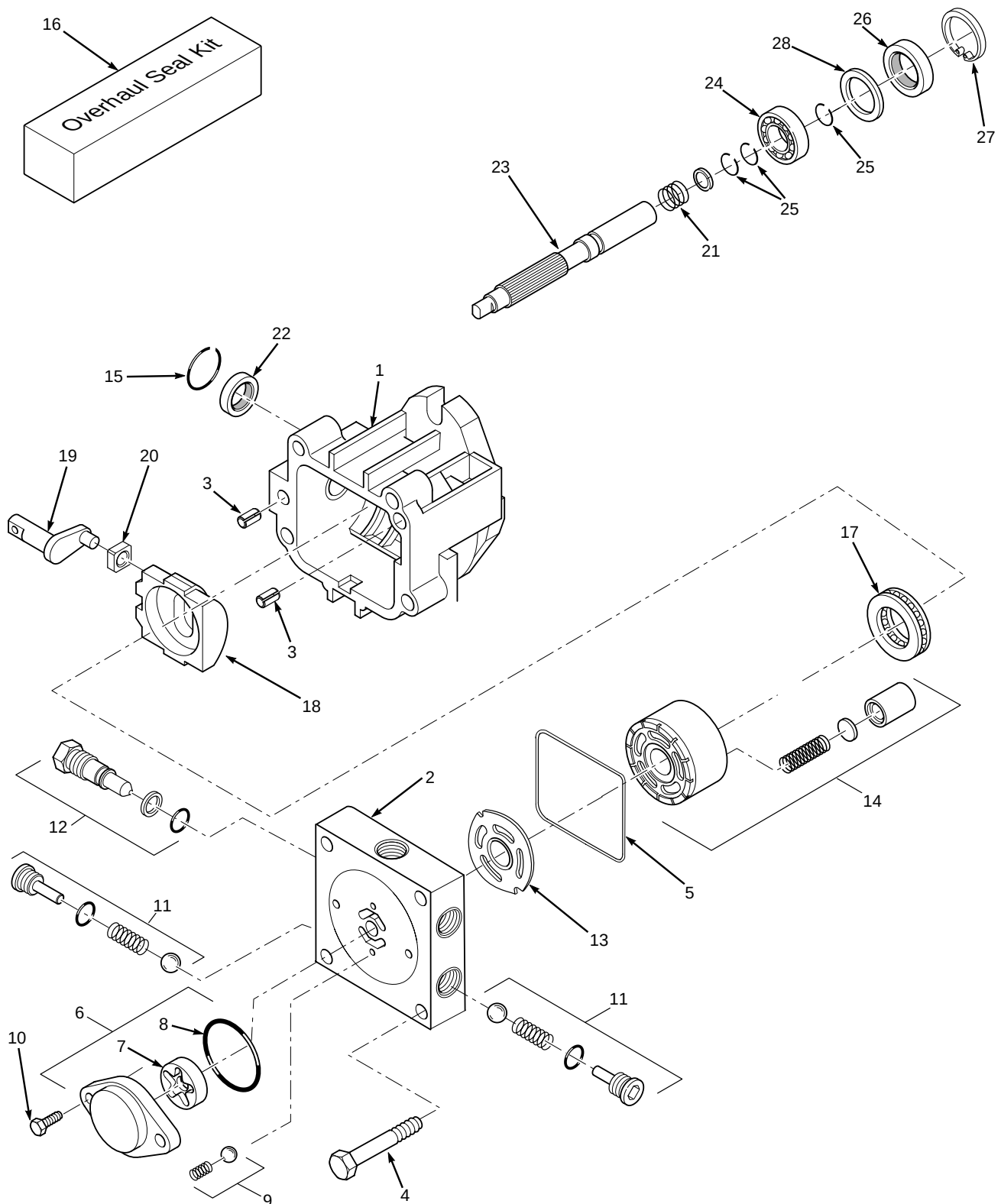


ELECTRICAL SYSTEM

Ref. No.	Part No.	Description
1	481176-08	Cable, Positive Battery
2	481176-07	Cable, Negative Battery
3	461467	Clutch, Electric PTO
4	481808	Module, Interlock
5	482283	Battery (Not Avail. through Scag, Exide P/N 26R)
6	481687	Switch, PTO
7	48798	Switch, Key (Includes Nut and Lockwasher)
	48017-03	Nut, 5/8-32 Special
	48017-04	Lock Washer 5/8"
8	481806	Cable, Control (Throttle, Choke)
9	481638	Switch, Seat
10	481183	Gauge, Water Temperature
11	481805	Gauge, Oil Pressure
12	481184	Gauge, Volts
13	461393	Panel, Instrument Panel
14	42413	Bracket, Fuse Holder
15	04010-11	Screw, #10-32 x 1.5" Phillips
16	04021-01	Nut, #10-32 Elastic Stop
17	48297	Fuse Holder w/ 20 Amp Fuse
18	48298	Fuse, 20 Amp
19	482523	Harness, Wiring
20	04010-01	Screw, #10-32 x .5" Phillips
21	04020-01	Nut, Hex #10-32
22	04031-01	Lock Washer #10
23	48788	Relay
24	04001-01	Bolt, Hex Head 1/4-20 x .75"
25	04030-02	Lock Washer 1/4"
26	451081	Base, Instrument Panel
27	04110-01	U-Nut, 1/4-20
28	48017-02	Key & Ring Assembly
29	481791	Sender Unit, Water Temperature
30	481812	Switch, Low Oil Pressure
31	481811	Sender Unit, Oil Pressure
32	481813	Manifold, Oil
33	481919	Hose, Oil Pressure Sender
34	04002-17	Bolt, Hex Head M8-1.25 x 14
35	48023	Hour Meter
36	48030-09	Clamp, Cable .5" ID
	48030-11	Clamp, Cable .75" ID
37	481335	Boot, Positive Battery Terminal
38	04031-03	Washer, Star

* Common hardware which should be purchased locally. All bolts Grade 5 plated, all other fasteners zinc plated.

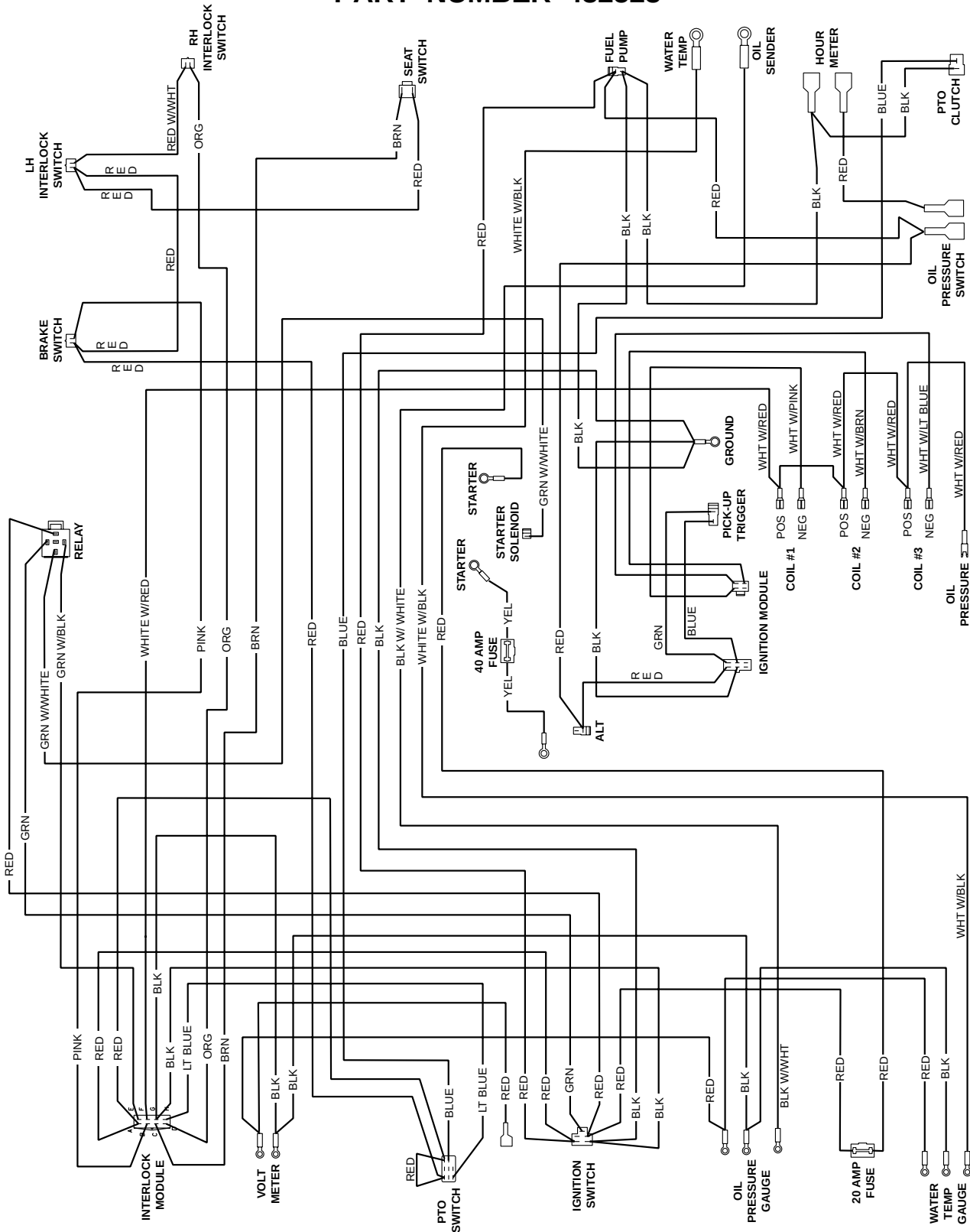
HYDRAULIC PUMP ASSEMBLY - BDP-21L



HYDRAULIC PUMP ASSEMBLY - BDP-21L

Ref. No.	Part No.	Description
1	HG 2510065	Housing Kit (Includes Housing, Journal Bearing)
2	HG 2510066	End Cap
3	HG 50641	Straight Headless Pin
4	HG 50633	Socket Head Screw
5	HG 50381	End Cap Gasket
6	HG 2510071	Charge Pump Kit (Includes Charge Cover, Gerotor Assy., O-Ring)
7	HG 50406	Gerotor Assembly
8	HG 9004100-1430	O-Ring
9	HG 70402	Charge Relief Valve Kit
10	HG 9007200-3116	Socket Head Screw
11	HG 2510027	Check Valve Kit (Includes Check Plug, Spring, O-Ring, Orifice Check Valve)
12	HG 2513030	Bypass Valve Kit (Includes Bypass Valve, O-Ring, Back-up Ring)
13	HG 50619	Valve Plate
14	HG 70080	Cylinder Block Kit
15	HG 50574	Trunion Seal Retaining Ring
16	HG 2510073	Overhaul Kit
17	HG 50552	Roller Thrust Bearing
18	HG 50203	Swash Plate
19	HG 2000014	Trunnion Arm
20	HG 2000015	Guide Slot
21	HG 2000025	Block Spring
22	HG 2000037	Lip Seal
23	HG 50601	Pump Shaft
24	HG 2000032	Ball Bearing
25	HG 2000038	Retaining Ring
26	HG 51092	Lip Seal
27	HG 2000038	Retaining Ring
28	HG 2000023	Spacer

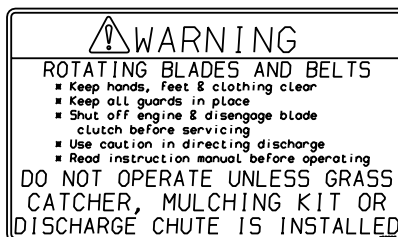
WIRE HARNESS, STT - 31BSG
PART NUMBER 482523



REPLACEMENT DECALS AND INFORMATION PLATES



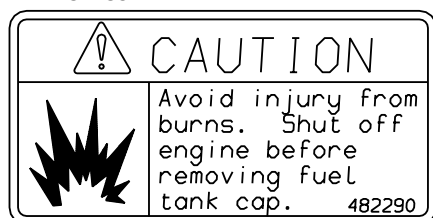
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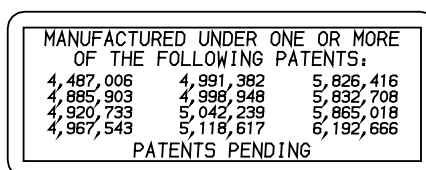
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72

481955 - 61A
481956 - 71A



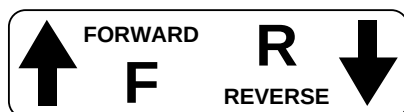
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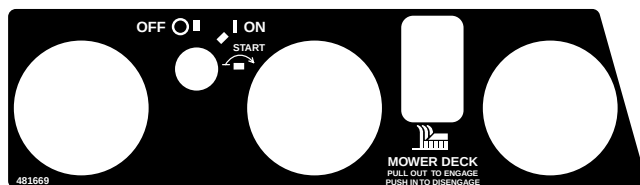
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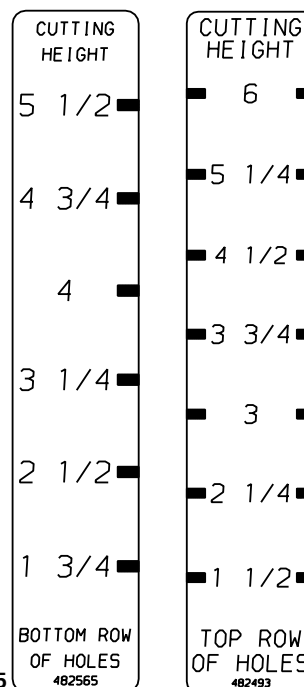
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481669

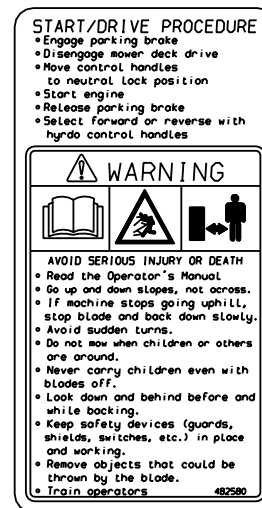


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482565

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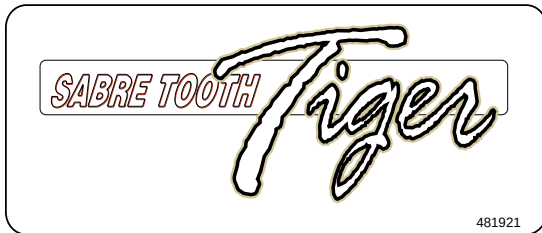
REPLACEMENT DECALS AND INFORMATION PLATES



48825



48314



481921



481925

IMPORTANT ADJUSTMENT PROCEDURES
 READ OPERATOR'S MANUAL FOR MORE DETAILS
 Check tire pressure - (Drive tires-12 psi, Caster tires-25 psi)

NEUTRAL ADJUSTMENT
 Loosen jam nuts

Rotate turnbuckle
 With an operator in the seat, engine running, control levers in neutral and the parking brake disengaged - adjust control linkage. Loosen jam nuts. If wheel rotates forward, adjust turnbuckle CW. If wheel rotates rearward, adjust turnbuckle CCW. Adjust until drive wheel stops turning. Tighten jam nuts. Repeat for opposite side.

TRACKING ADJUSTMENT
 If the machine pulls to the right, adjust LH control linkage CCW to slow left wheel. If the machine pulls to the left, adjust RH control linkage CCW to slow right wheel. Readjust neutral if necessary.

FREE WHEEL OPERATION
 To move machine without running the engine, rotate both dump valves located at the LH side of the pump CCW 1/2 turn to "freewheel" positions. Return dump valves to original position to operate the mower. Tighten to 7-10 ft-lbs.

HYDRAULIC FLUID LEVEL
 Check hydraulic fluid level while fluid is cool. Fluid level should be 3" 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.

Greasebox Lubricant:
 SAE 90W50 gear oil

IMPORTANT DRIVESHAFT MAINTENANCE
 Grease yokes 3-4 pumps Every 200 hours

Grease spline 8-10 pumps Every 50 hours

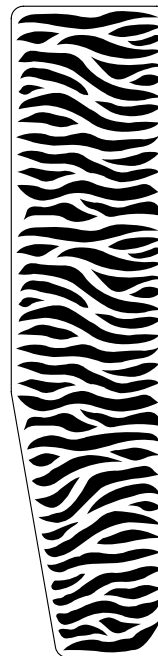
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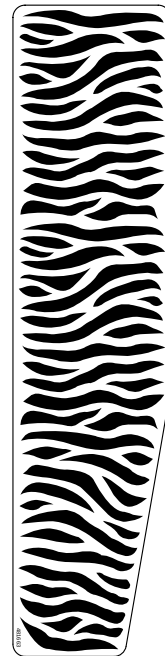
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WARNING
 DO NOT OPERATE WITHOUT DISCHARGE CHUTE, MULCHING KIT, OR ENTIRE GRASS CATCHER INSTALLED

482165



481664



481663

STT-31BSG Decals 2