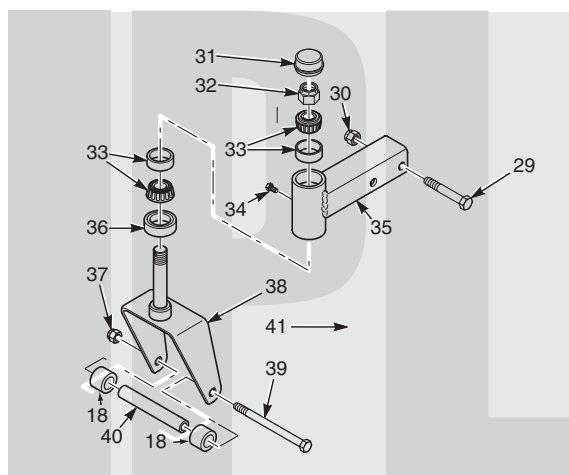


SCAG[®]

POWER EQUIPMENT



MODEL STT-31BSD

ILLUSTRATED PARTS LIST

THIS MANUAL CONTAINS THE ILLUSTRATED PARTS LIST FOR MODELS:

STT-31BSD-SS with a serial number of B7700001 to B7799999
SMST-61V with a serial number of B7800001 to B7899999
SMST-72A with a serial number of B7900001 to B7999999

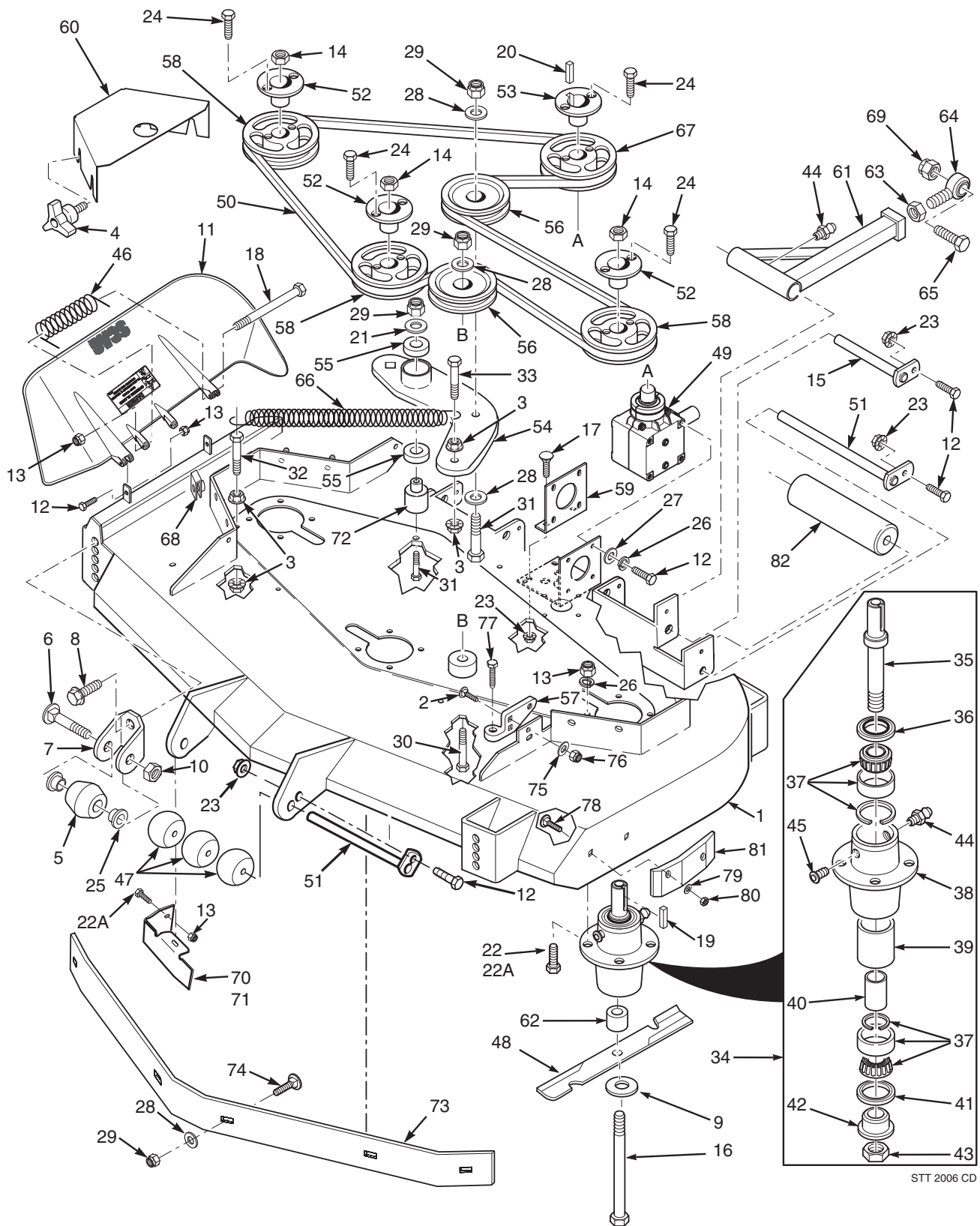
Notes



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61V CUTTER DECK

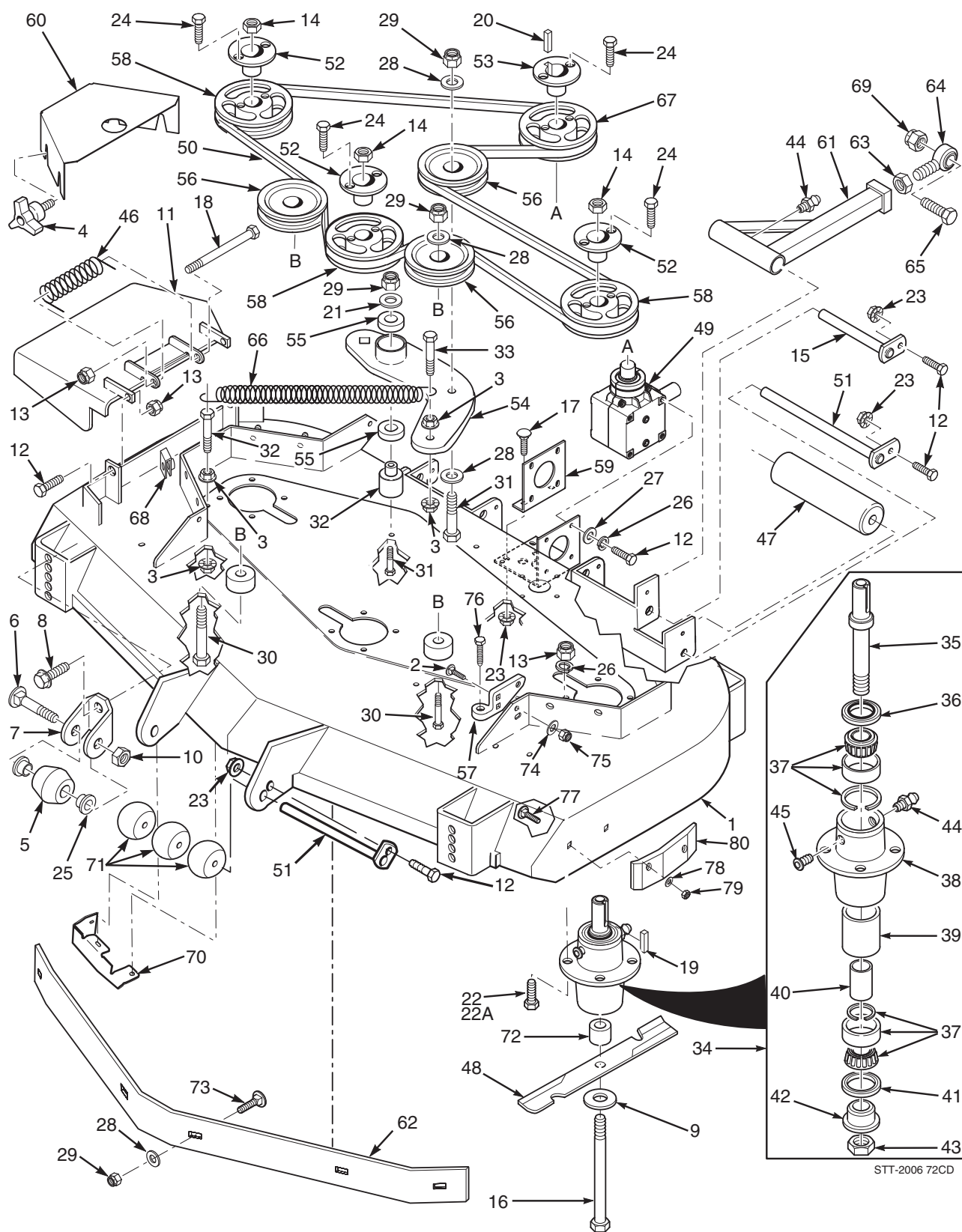


STT 2006 CD

61V CUTTER DECK

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1 461863	Cutter Deck Advantage	46 483185	Spring, Discharge Chute
2 04003-40	Bolt, Carriage 7/16-14 x 1-1/4"	47 482295	Wheel, Anti-Scalp
3 04019-04	Nut, Hex Serrated Flange 3/8-16	48 482881	Cutter Blade, 21"
4 481625-01	Wing nut, 3/8-16	49 482486	Gearbox Assembly, Deck Drive
5 481632	Anti-Scalp Wheel	50 481558	Belt, Cutter Deck Drive
6 04003-26	Bolt, Carriage 3/8-16 x 4"	51 45944	Roller Shaft
7 422478	Anti-Scalp Wheel Bracket	52 48926	Tapered Hub, 1-1/8" Bore
8 04017-27	Bolt, Hex Serrated Flange 3/8-16 x 1"	53 48141	Tapered Hub, 1" Bore
9 04043-06	Flatwasher, 5/8" Hardened	54 461842	Idler Arm, Cutter Deck
10 04021-05	Locknut, 3/8-16 Center Lock	55 48224	Bearings, Ball
11 461846	Discharge Chute Advantage - Large	56 483215	Pulley, Idler
12 04001-11	Bolt, Hex Head 5/16-18 x 1-3/4" - Front	57 461929	Lever Assembly, Deck Level (Incl. 77)
04001-12	Bolt, Hex Head 5/16-18 x 1-1/2" - Rear	58 482745	Pulley, 6.35 O.D. (61")
13 04021-22	Nut, Hex Elastic Stop 5/16-18 Grade 8	59 422426	Mounting Plate, Gearbox
14 04020-09	Nut, 5/8-11 UNC	60 424325	Belt, Cover
15 451240	Push Arm Shaft	61 461516	Pusharm (incl. items 44, 63 & 64)
16 04001-41	Bolt, Hex Head 5/8-11 x 9-1/2"	62 43590	Spacer, Spindle Bottom
17 04003-12	Bolt, Carriage 5/16-18 x 3/4"	63 04020-16	Nut, Hex Head 5/8-18 UNF
18 04001-108	Bolt, Hex Head 5/16-18 x 4-1/2"	64 48763	Rod End, 5/8" Male RH Thread
19 04063-08	Key, 1/4 x 1/4 x 2"	65 04001-79	Bolt, Hex Head 5/8-11 x 4-1/2"
20 04063-01	Key, 1/4 x 1/4 x 1-1/4"	66 481597	Spring, Cutter Deck
21 04043-04	Flatwasher, 3/8-.39 x .938 x .105 HD	67 482746	Pulley, 6.75 O.D.
22 04001-176	Bolt, Hex Head 5/16-18 x 1-3/4"	68 04110-03	U-Nut, 3/8-16
23 04019-03	Nut, Hex Serrated Flange 5/16-18	69 04021-13	Nut, Hex Elastic Stop 5/8-11
24 04001-172	Bolt, Hex Head 1/4-20 x 1" Grade 8	71 424209	Discharge Baffle 61V
25 48100-15	Bushing, .376 I.D. Oilite	72 43503	Pivot, Idler - Short
26 04030-03	Lockwasher, 5/16"	73 424164	Baffle, Custom Cut 61V
27 04040-15	Flatwasher, 5/16" (.375 x .875 x .083)	74 04003-23	Bolt, Carriage 3/8-16 x 1"
28 04041-07	Flatwasher, 3/8" (.391 x .938 x .105)	75 04040-11	Flatwasher, 7/16-.500 x 1.25 x .083
29 04021-09	Nut, Hex Elastic Stop 3/8-16	76 04021-11	Nut, Elastic Stop 7/16-14
30 04001-62	Bolt, Hex Head 3/8-16 x 3-1/4"	77 483167	Bolt, Deck Adjust
31 04001-54	Bolt, Hex Head 3/8-16 x 3"	78 04003-12	Bolt, Carriage 5/16-18 x 3/4"
32 04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"	79 04040-04	Flatwasher, 5/16"
33 04001-136	Bolt, Hex Head 3/8-16 x 1-1/2" Grade 8	80 04021-04	Nut, Center Lock 5/16-18
34 461663	Spindle Assembly	81 483176	Wear Pad
35 43589	Spindle Shaft	82 482295	Wheel, Anti-Scalp
36 481024	Seal, Top		
37 481022	Bearing Assembly		
38 43644	Spindle Housing		
39 43312	Spacer, Outside		
40 43296	Spacer, Inside		
41 481025	Seal, Bottom		
42 43297	Spindle Bushing, Bottom		
43 481035	Nut, Special 1 - 1/16-18		
44 48114-04	Grease Fitting		
45 48677	Relief Fitting, Tapered Spindle		

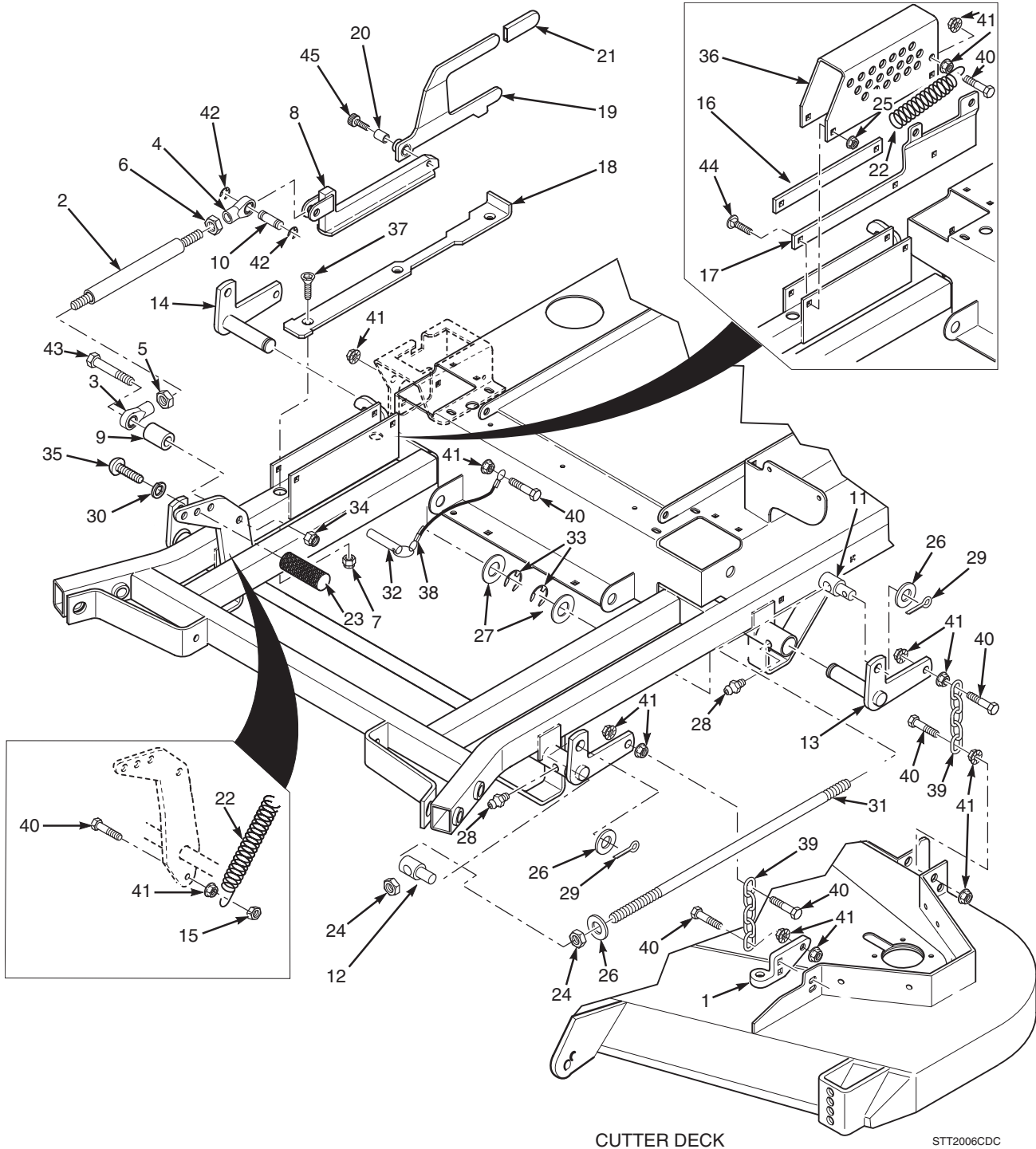
72A CUTTER DECK



72A CUTTER DECK

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1 461865	Cutter Deck, 72" Advantage (Includes Decals)	42 43297	Spindle Bushing, Bottom
2 04003-40	Bolt, Carriage 7/16-14 x 1-1/4"	43 481035	Nut, Special 1 - 1/16-18
3 04019-04	Nut, Hex Serrated Flange 3/8-16	44 48114-04	Grease Fitting
4 481625-01	Wing Nut, 3/8-16	45 48677	Relief Fitting, Tapered Spindle
5 481632	Anti-Scalp Wheel	46 482245	Spring, Discharge Chute
6 04003-26	Bolt, Carriage 3/8-16 x 4"	47 48038	Guide, Roller
7 422478	Anti-Scalp Wheel Bracket	48 482882	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" Hardened	50 481980	Belt, Cutter Deck Drive, 72"
10 04021-05	Locknut, 3/8-16 Center Lock	51 45944	Roller Shaft
11 461296	Discharge Chute, 72" Adv.	52 48926	Tapered Hub, 1-1/8" Bore
12 04001-12	Bolt, Hex Head 5/16-18 x 1.75" (Front)	53 48141	Tapered Hub, 1" Bore
04001.11	Bolt, Hex Head 5/16-18 x 1.50" (Rear)	54 461842	Idler Arm, Cutter Deck
13 04021-22	Nut, Hex Elastic Stop 5/16-18 Grade 8	55 48224	Bearings, Ball
14 04020-09	Nut, 5/8-11 UNC	56 483215	Pulley, Idler
15 451240	Push Arm Shaft	57 461929	Lever Assembly, Deck Level (Incl. 77)
16 04001-41	Bolt, Hex Head 5/8-11 x 9.50"	58 482747	Pulley, 6.95 O.D. - 72"
17 04003-12	Bolt, Carriage 5/16-18 x .75"	59 422426	Mounting Plate, Gearbox
18 04001-154	Bolt, Hex Head 5/16-18 x 4.75"	60 422677	Belt Cover, LH - 72"
19 04063-08	Key, 1/4 x 1/4 x 2"	422708	Belt Cover, RH - 72"
20 04063-01	Key, 1/4 x 1/4 x 1.25"	61 461516	Pusharm (includes items 44, 63 & 64)
21 04043-04	Flatwasher, 3/8-.39 x .938 x .105 HD	62 423795	Baffle, Custom Cut 72A
22 04001-11	Bolt, Hex Head 5/16-18 x 1-3/4"	63 04020-16	Nut, Hex Head 5/8-18 UNF
23 04021-10	Nut, Hex Serrated Flange 5/16-18	64 48763	Rod End, 5/8" Male RH Thread
24 04001-172	Bolt, Hex Head 1/4-20 x 1" Grade 8	65 04001-79	Bolt, Hex Head 5/8-11 x 4-1/2"
25 48100-15	Bushing, .376 I.D. Oilite	66 481597	Spring, Cutter Deck
26 04030-03	Lockwasher, 5/16"	67 482745	Pulley, 6.35 O.D. - 72"
27 04040-15	Flatwasher, 5/16" (.375 x .875 x .083)	68 04110-03	U-Nut, 3/8-16
28 04041-07	Flatwasher, 3/8" (.391 x .938 x .105)	69 04021-13	Nut, Hex Elastic Stop 5/8-11
29 04021-09	Nut, Hex Elastic Stop 3/8-16	70 423958	Discharge Baffle 72"
30 04001-62	Bolt, Hex Head 3/8-16 x 3-1/4"	71 482295	Wheel, Anti-Scalp
31 04001-54	Bolt, Hex Head 3/8-16 x 3"	72 43590	Spacer, Spindle Bottom
32 43503	Pivot, Idler - Short	73 04003-23	Bolt, Carriage 3/8-16 x 1"
33 04001-136	Bolt, Hex Head 3/8-16 x 1.50" Grade 8	74 04040-11	Flatwasher, 7/16-.500 x 1.25 x .083
34 461663	Spindle Assembly	75 04021-11	Nut, Elastic Stop 7/16-14
35 43589	Spindle Shaft	76 483167	Bolt, Deck Adjust
36 481024	Seal, Top	77 04003-12	Bolt, Carriage 5/16-18 x 3/4"
37 481022	Bearing Assembly	78 04040-04	Flatwasher, 5/16"
38 43644	Spindle Housing	79 04021-04	Nut, Center Lock 5/16-18
39 43312	Spacer, Outside	80 483174	Wear Pad
40 43296	Spacer, Inside		
41 481025	Seal, Bottom		

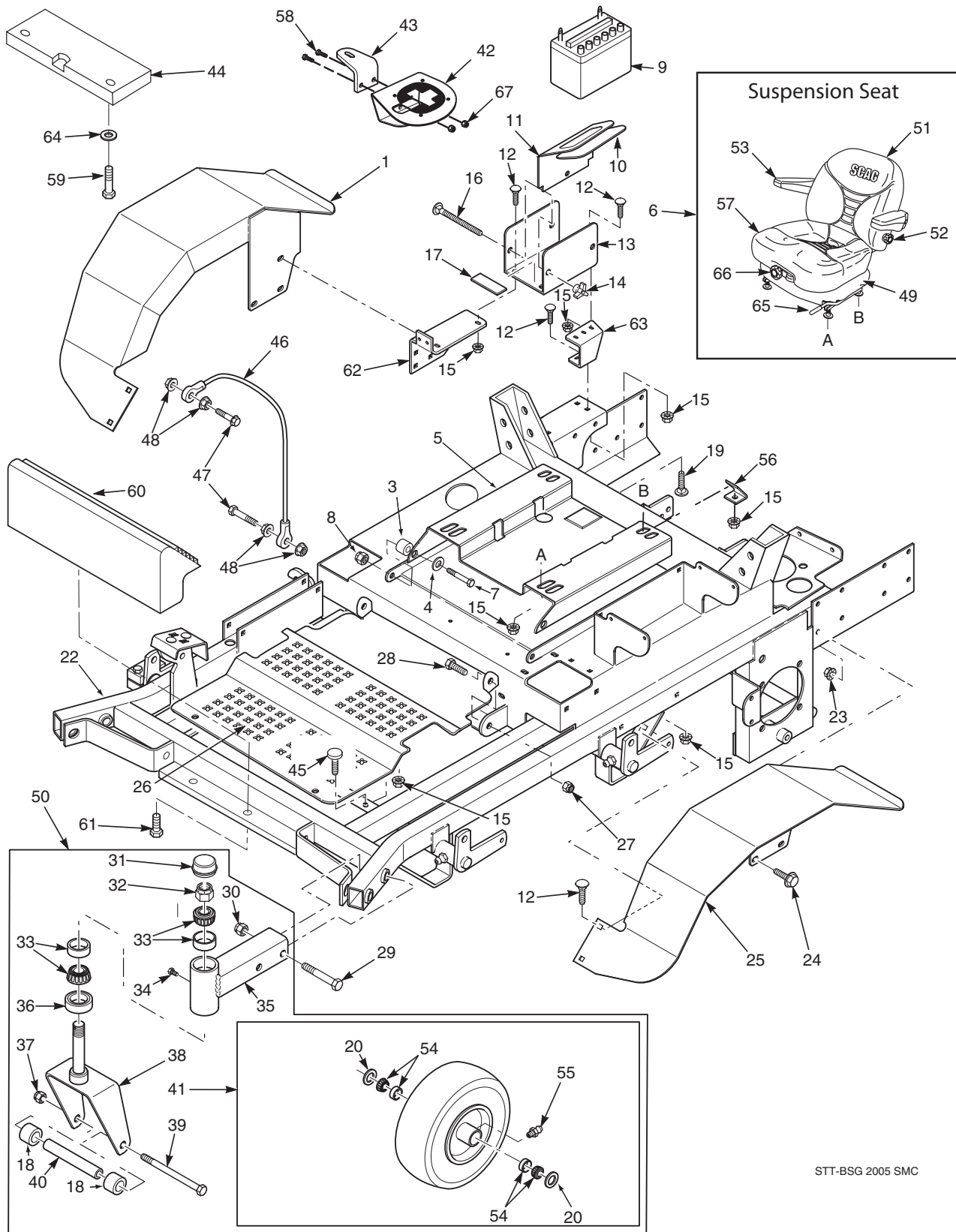
CUTTER DECK CONTROLS



CUTTER DECK CONTROLS

Ref. No.	Part No.	Description
1	461929	Lever Assembly, Deck Level
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	424399	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	04030-07	Lockwasher, 5/8"
31	04004-44	Stud, 5/8-11 x 22.0"
32	04067-09	Ring Pin, 1/2 x 3.06"
33	04050-08	Ring, Retaining 1" External "E"
34	04021-07	Nut, Hex Elastic Stop 1/2-13
35	04105-01	Capscrew, 5/8-11 x 1-1/2"
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"

SHEET METAL COMPONENTS

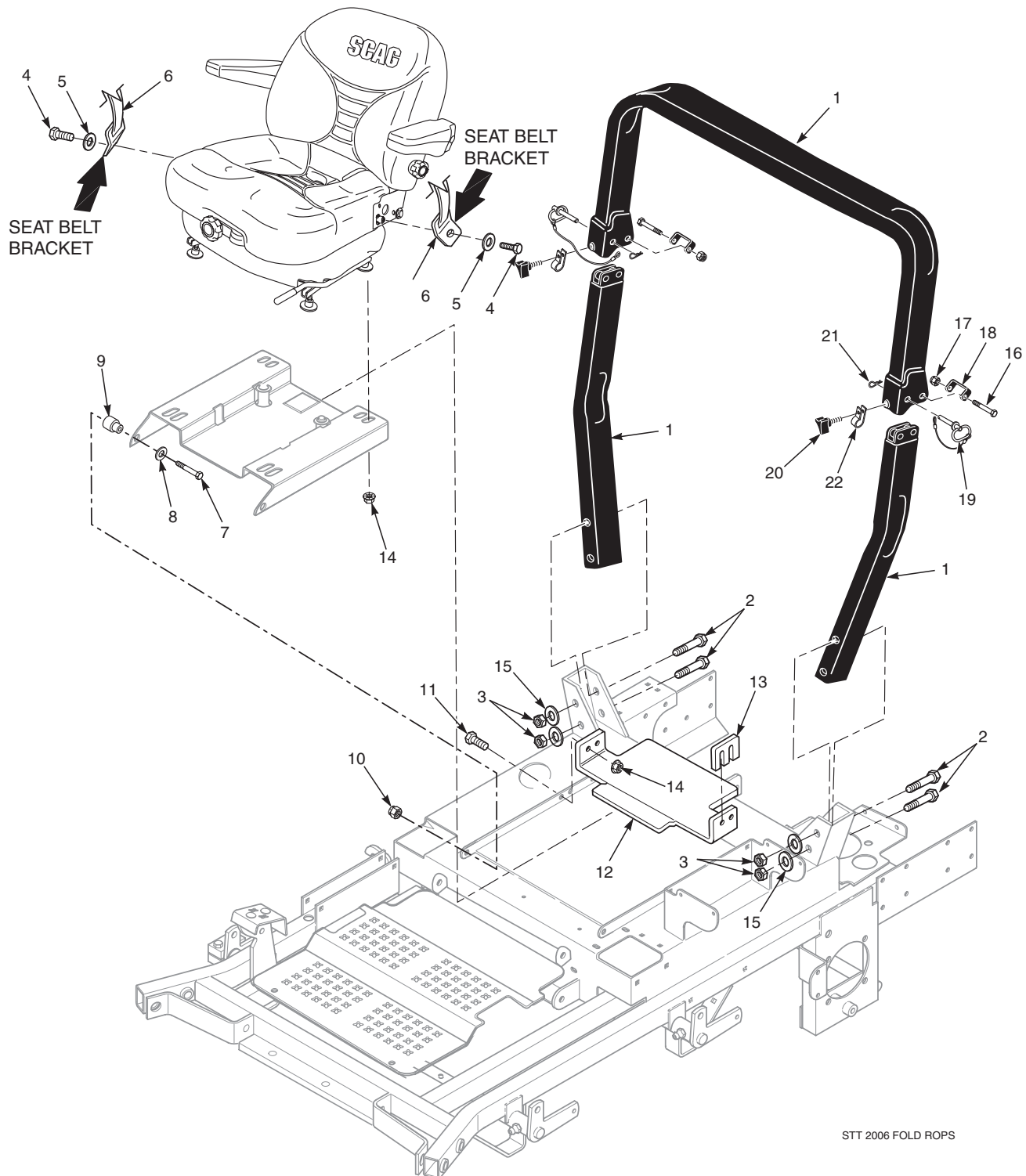


STT-BSG 2005 SMC

SHEET METAL COMPONENTS

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	451481	Fender Weldment, RH	42	9240	Cup Holder Assembly
2	04001-09	Bolt, Hex Head, 5/16-18 x 1, Zinc	43	423674	Mounting Bracket, STT Cup Holder
3	43606	Spacer	44	41020	Weight (61" cutter deck only)
4	04041-07	Flatwasher, 3/8-.391 x .938 x .105	45	481284	Bumper, Rubber
5	423946	Seat Plate	46	48566	Cable, Seat Stop
6	9270	Suspension Seat Assembly	47	04001-59	Bolt, Hex Head 1/4-20 x 1-1/4"
7	04001-45	Bolt, Hex Head 3/8-16 x 2.0"	48	04019-02	Nut, Hex Serrated Flange 1/4-20
8	04021-09	Nut, Elastic Stop 3/8-16	49	482942	Shock Absorber Kit
9	482283	Battery (Not Avail. through Scag)	50	461908	Caster Wheel Assy (Inc. 31 thru 43) 61V (LH)
10	481780	Pad, Battery Cover		461909	Caster Wheel Assy (Inc. 31 thru 43) 61V (RH)
11	422682	Cover, Battery		461910	Caster Wheel Assy (Inc. 31 thru 43) 72A (LH)
12	04003-12	Bolt, Carriage 5/16-18 x 3/4"		461911	Caster Wheel Assy (Inc. 31 thru 43) 72A (RH)
13	423425	Plate, Battery Box	51	482940	Back Cushion Kit
14	04029-01	Wing Nut, 1/4-20 x 3/4"	52	482943	Lumbar Kit
15	04019-03	Nut, Hex Serrated Flange 5/16-18		482948	Knob Kit
16	04003-30	Bolt, Carriage 1/4-20 x 6"	53	482950	Armrest Only
17	48661	Rubber Pad		482945	Armrest Assembly Kit, LH
18	43584	Spacer, Caster Wheel		482946	Armrest Assembly Kit, RH
19	04003-04	Bolt, Carriage 5/16-18 x 1"	54	482621	Bearing w/ Race
20	482622	Seal	55	48114-07	Grease Fitting
21	04021-09	Lock Nut, 3/8-16, Elast. Stop	56	424106	Seat Stop
22	461703	Main Frame	57	482941	Seat Cushion Kit
23	04019-04	Nut, Hex Serrated Flange 3/8-16			Seat Drain Kit (Included with Seat Cushion)
24	04017-27	Screw, Hex Serrated Flange 3/8-16 x 1"	58	04001-01	Bolt, Hex Head 1/4-20 x 3/4"
25	451480	Fender Weldment, LH	59	04001-145	Bolt, Hex Head 1/2-13 x 3.5"
26	423489	Foot Plate	60	481825	Footrest
27	04021-09	Nut, Hex Elastic Stop 3/8-16	61	04001-71	Bolt, Hex Head 1/2-13 x 1.5"
28	04001-19	Bolt, Hex Head 3/8-16 x 1"	62	423419	Mounting Bracket, Battery
29	04001-125	Bolt, Hex Head 5/8-11 x 4"	63	423624	Support Bracket, Battery Box
30	04021-13	Nut, Hex Elastic Stop 5/8-11	64	04040-13	Flat Washer 1/2-.562 x .1.375 x .109
31	481559	Cap, Grease	65	482952	Seat Adjustment, Track Set
32	04021-20	Nut, Hex Elastic Stop 1.0-14	66	482944	Weight Adjustment Kit
33	481657	Bearing W/Race		482948	Knob Kit
34	482028-01	Plug, 1/4-28 THD Form	67	04021-08	Nut, Elastic Stop 1/4-20
35	451825	Extention Weldment, Caster 61V (LH)			
	451451	Extention Weldment, Caster 61V (RH)			
	451452	Extention Weldment, Caster 72A (LH)			
	451453	Extention Weldment, Caster 72A (RH)			
36	481025	Seal, 2.00 OD. x 1.625 Bore			
37	04021-07	Nut, Hex Elastic Stop 1/2-13			
38	451416	Yoke Weldment, Caster (61V & 72A)			
39	04001-167	Bolt, Hex Head 1/2-13 x 9-1/2" (61V & 72A)			
40	43583	Sleeve, Caster Wheel (61V, 72A)			
41	9278	Wheel Assy, 61V, 72A (Inc. 20, 54, 55)			

STT-BSD ROLL-OVER PROTECTION SYSTEM

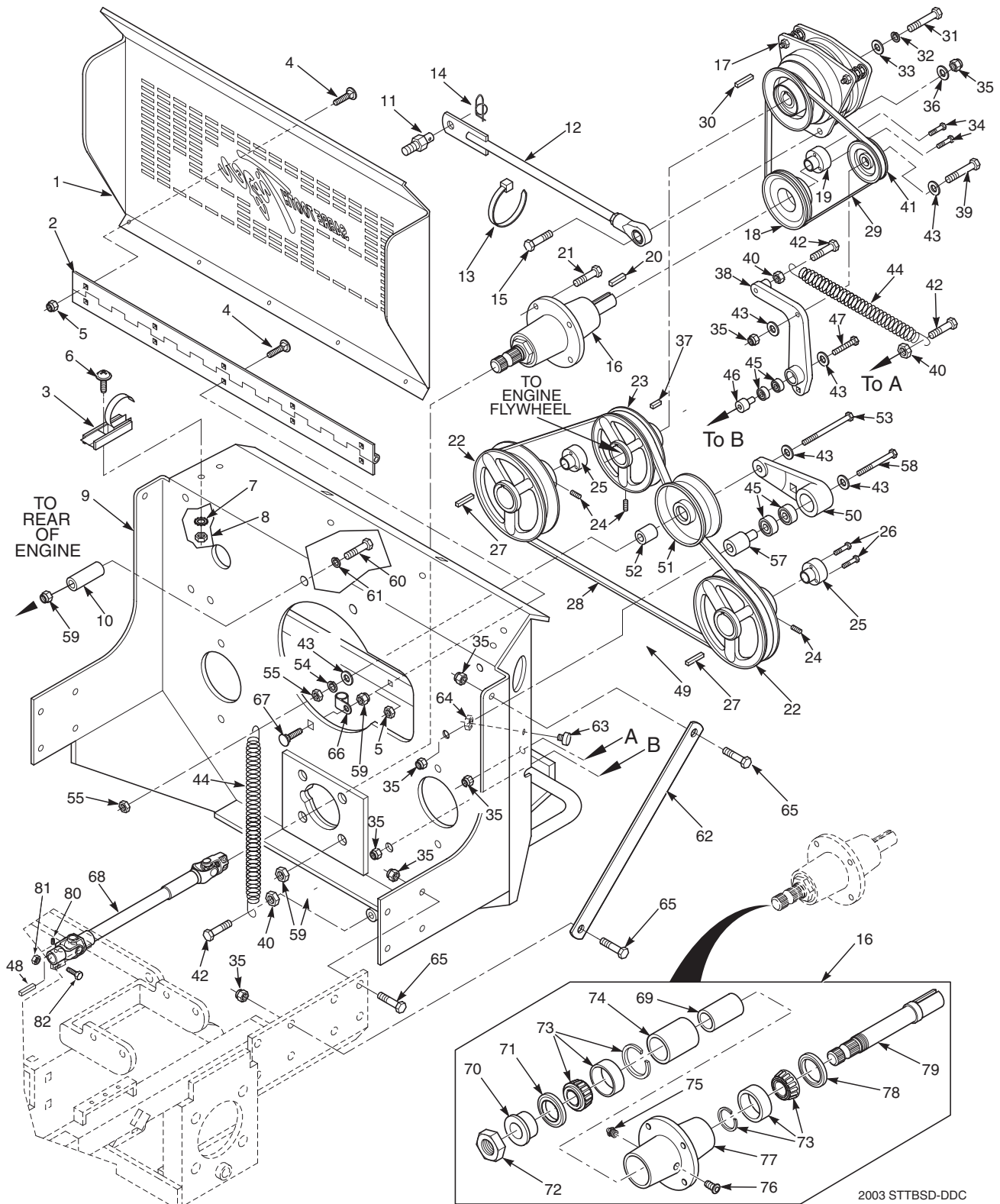


STT 2006 FOLD ROPS

STT-BSD ROLL-OVER PROTECTION SYSTEM

Ref. No.	Part No.	Description
1	9514	STT, ROPS Accessory (incl. all items below)
2	04001-82	Bolt, Hex Head 1/2-13 x 4-1/2"
3	04021-19	Nut, Center Lock 1/2-13
4	04001-178	Bolt, Hex Head 7/16-20 x 1"
5	04040-11	Flatwasher, 7/16-.500 x 1.25 x .083
6	483150	Seat Belt
7	04001-45	Bolt, Hex Head 3/8-16 x 2"
8	04041-07	Flatwasher, 3/8-.391 x .938 x .105
9	43606	Sleeve, Seat Base Mounting
10	04021-09	Nut, Elastic Stop 3/8-16
11	04001-09	Bolt, Hex Head 5/16-18 x 1"
12	461821	Bracket, Seat Hold Down with Decal
13	04030-05	Lockwasher, 7/16
14	04019-03	Nut, Serrated Flange 5/16-18
15	04040-13	Flatwasher, 1/2-.562 x 1.375 x .109
16	04001-145	Bolt, Hex Head 1/2-13 x 3-1/2"
17	04021-19	Nut, Center Lock 1/2-13
18	424407	Bracket, Stop
19	483262	Pin
20	483301	Thumb Screw, 5/16-18 NC x 3-4"
21	04062-06	Hair Pin, Cotter
22	483265	Clamp

DECK DRIVE COMPONENTS

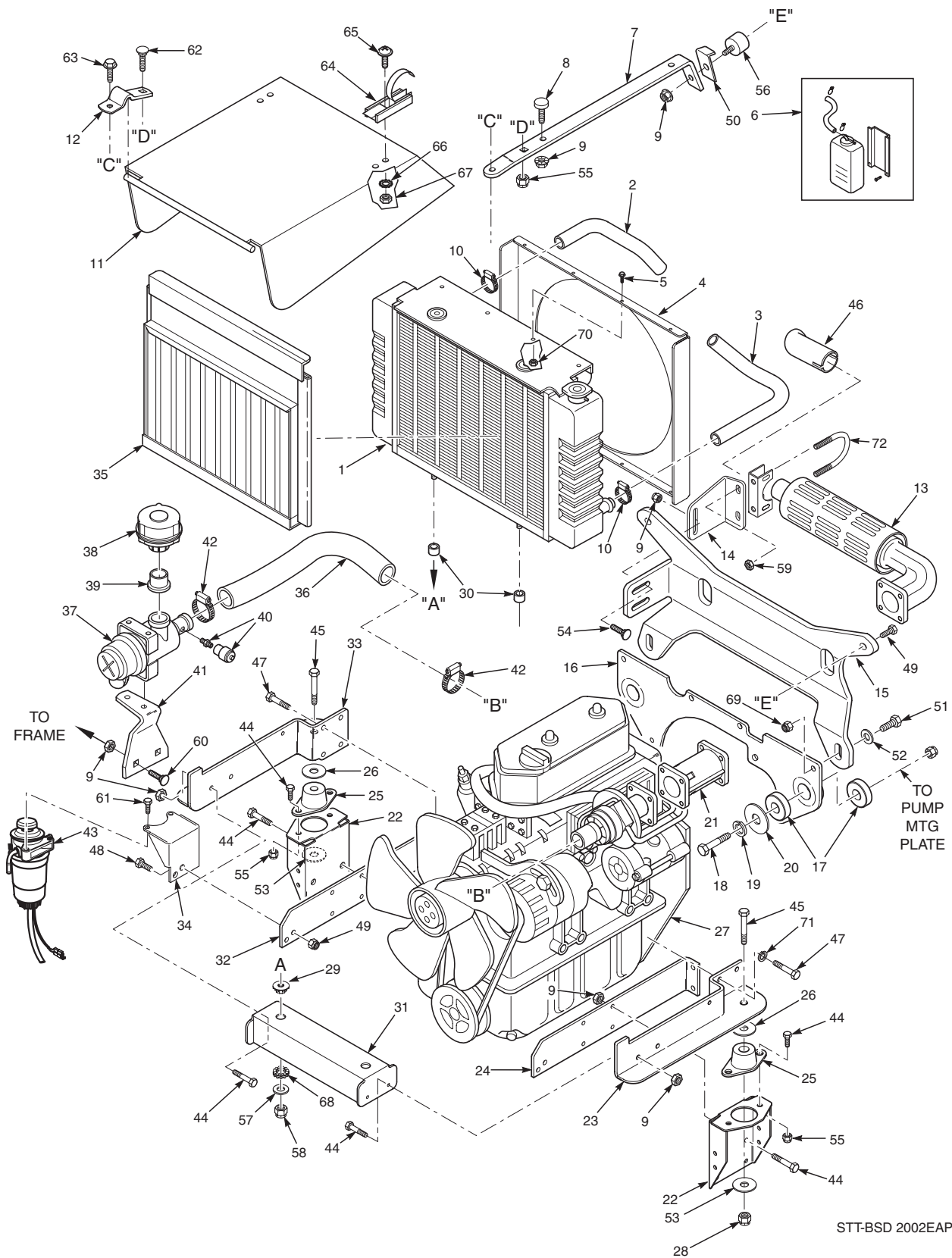


2003 STTBSD-DDC

DECK DRIVE COMPONENTS

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1 423464	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 43604	Pivot, Idler - Long
6 04010-01	Screw, #10-32 x .5, Phillips Head	58 04001-62	Bolt, Hex Head 3/8-16 x 3-1/4"
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 461805	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 461697	Spindle Assembly, Deck Drive	68 482438	Driveshaft
17 461826	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 04001-175	Bolt, Hex Head 5/16-18 x 1-1/2" Grade 8	73 481022	Roller Bearing Assembly
22 482752	Pulley, 6.25" OD, Tapered	74 43312	Spacer, Outside
23 482791	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 43644	Spindle Housing
26 04001-172	Bolt, Hex Head 1/4-20 x 1" Grade 8	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"		
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 43576	Pivot, Idler - Short		
47 04001-145	Bolt, Hex Head 3/8-16 x 2-3/4"		
48 04063-20	Key, 1/4 x 1/4 x 1"		
49 04001-09	Bolt, Hex Head 5/16-18 x 1.00"		
50 461015	Idler Arm		
51 483211	Pulley, Pump Idler		
52 43277	Spacer		

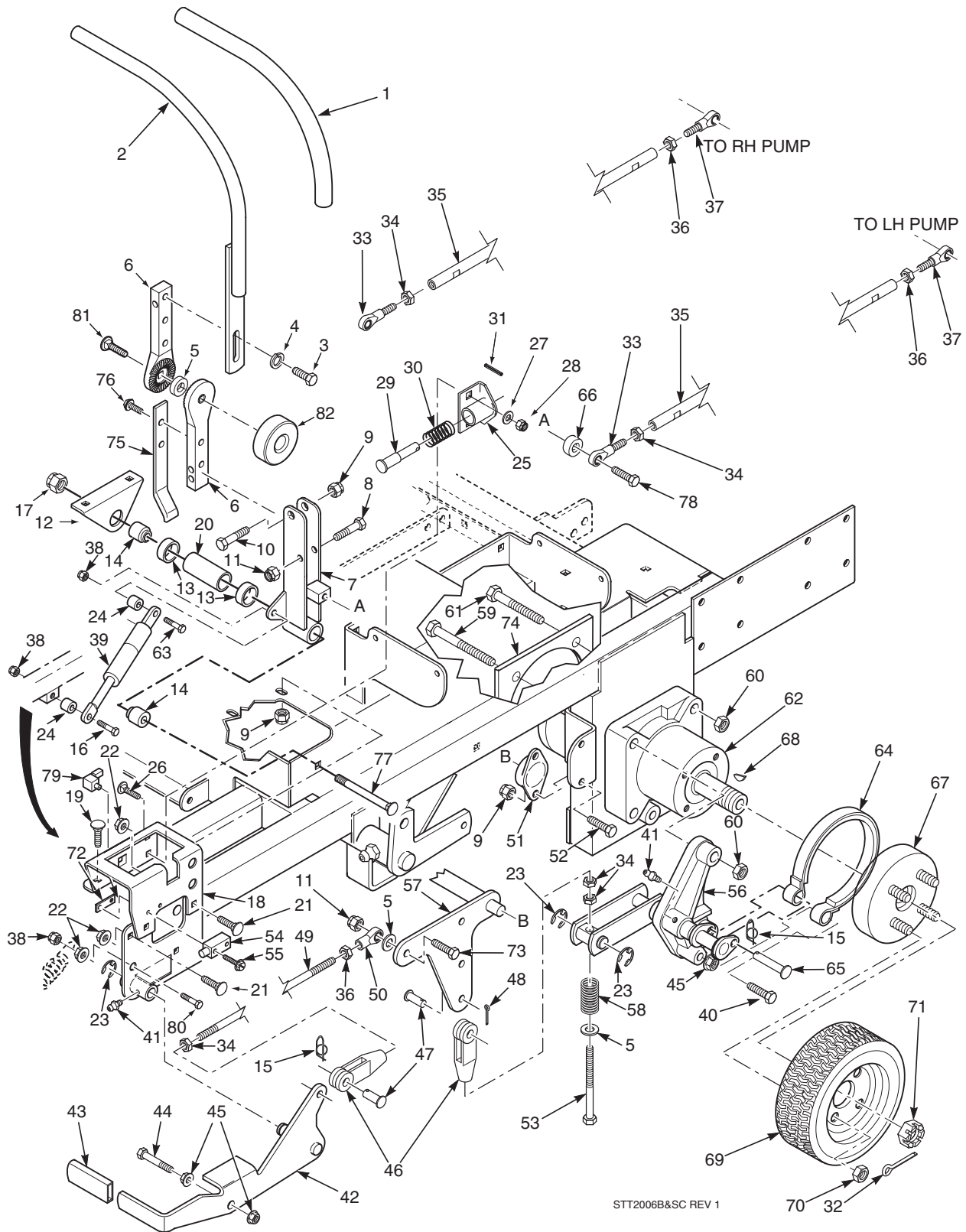
RADIATOR & ENGINE BRACKETS



RADIATOR & ENGINE BRACKETS

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1	461895 Radiator	49	04017-16 Bolt, Hex Head 5/16-18 x 3/4"
2	481742 Hose, Upper Radiator	50	423641 Catch Bracket, Hood Latch
3	482366 Hose, Lower Radiator	51	04001-32 Bolt, Hex Head 3/8-16 x 1-1/4"
4	423379 Shroud, Fan	52	04041-07 Flatwasher, 3/8-.391 x .938 x .105
5	04010-26 Screw. #10-32 x 1/2"	53	04041-32 Flatwasher, 1/2-.531 x 2.13 x .1345
6	** Coolant Tank Assembly w/hose (Not Avail. Through Scag, Contact Briggs & Stratton)	54	04003-04 Bolt, Carriage 5/16-18 x 1"
7	423639 Support Bracket, Hood	55	04021-10 Nut, Elastic Stop 5/16-18
8	481284 Bumper, Rubber	56	482603 Rubber Isolator
9	04019-03 Nut, Serrated Flange 5/16-18	57	04041-35 Flatwasher, 7/16-.469 x 2.0 x .1345
10	48136-12 Clamp, 1-1/2" Dia.	58	04021-21 Nut, Center Lock 7/16-14
11	451486 Hood Weldment	59	04021-10 Nut, Elastic Stop 5/16-18
12	422703 Hinge, Hood	60	04003-12 Bolt, Carriage 5/16-18 x 3/4"
13	482404 Muffler with Guard	61	** Bolt, (Not Available Through Scag, Contact Briggs & Stratton)
14	423640 Brace, Muffler Support	62	04003-04 Bolt, Carriage 5/16-18 x 1"
15	423637 Mounting Bracket, Hood	63	04017-16 Bolt, Hex Head 5/16-18 x 3/4" Serr. Flange
16	451487 Mounting Bracket Weldment, Rear Engine Mount	64	481309 Latch, Hood
17	482363 Engine ISO Mount, Rear	65	04010-21 Screw, #10-32 x .375
18	04001-145 Bolt, Hex Head 1/2-13 x 3-1/2"	66	04031-01 Lockwasher, #10 Spring
19	04030-06 Lockwasher, 1/2" Spring	67	04020-01 Nut, #10
20	04041-33 Flatwasher, 1/2-.531 x 2.0 x .25	68	482601 Ring, Isolator
21	482403 Manifold Extension, Exhaust	69	04021-09 Nut, Elastic Stop 3/8-16
22	423381 Mounting Bracket, Engine	70	04021-01 Nut, Elastic Stop #10-32
23	451750 Mounting Bracket Weldment, Engine L.H.	71	04030-03 Lockwasher, 5/16 Spring
24	423382 Mounting Bracket, Engine L.H.	72	48633 Muffler Clamp 1-1/2" Dia.
25	482362 Engine ISO Mount, Front		
26	04041-33 Flatwasher, 1/2-.531 x 2.0 x .25		
27	482270 Engine, Briggs & Stratton 31hp Diesel (Spec. #) Not Available Through Scag, Contact Briggs & Stratton		
28	04021-07 Nut, Elastic Stop 1/2-13		
29	482602 Bushing, Radiator Isolator		
30	43621 Bushing, Radiator ISO Mount		
31	423638 Support Bracket, Radiator		
32	423383 Mounting Bracket, Engine R.H.		
33	451751 Mounting Bracket Weldment, Engine R.H.		
34	423424 Mounting Bracket, Water Separator		
35	451083 Debris Screen		
36	482368 Hose, Air Intake		
37	482405 Air Cleaner Assembly w/mounting Band		
38	481816 Pre Cleaner, Engine Air		
39	481924 Adapter, Pre Cleaner		
40	481818 Indicator, Air Cleaner		
41	423915 Bracket, Air Cleaner		
42	48136-15 Clamp, Hose 2-1/2" Dia.		
43	** Fuel Filter, Water Separator (Not Avail. Through Scag)		
44	04001-08 Bolt, Hex Head 5/16-18 x 3/4"		
45	04001-52 Bolt, Hex Head 1/2-13 x 2-1/2"		
46	481827 Elbow, Exhaust		
47	04002-01 Bolt, Hex Head M8-1.25 x 3mm		
48	04001-32 Bolt, Hex Head 3/8-16 x 1-1/4"		

BRAKE AND STEERING COMPONENTS

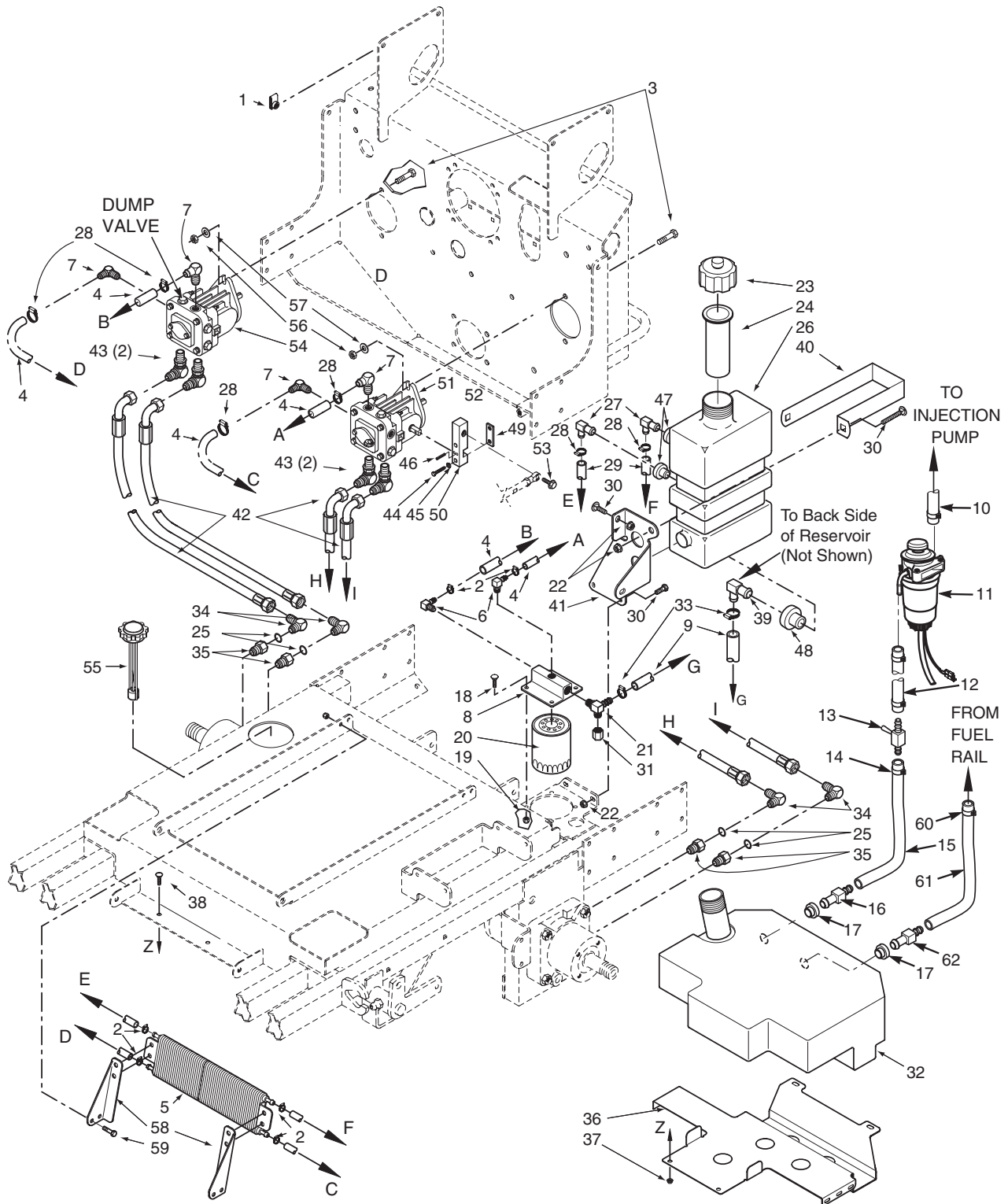


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BRAKE AND STEERING COMPONENTS

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	461914 Handle Bar, LH (Includes item 1)	45	04019-04 Nut, Hex Serrated Flange 3/8-16
	461923 Handle Bar, RH (Includes item 1)	46	48343-04 Clevis, Traction Control
3	04001-09 Bolt, Hex Head 5/16-18 x 1"	47	04064-02 Pin, Clevis 3/8-16 x 1-1/16"
4	04030-03 Lockwasher, 5/16"	48	04061-02 Pin, Cotter 3/32 x .75
5	483250 Rubber Spacer	49	04004-34 Rod, Parking Brake
6	483238 Bar, Control Lever	50	48544 Rod End, LH Thread
7	451483 Control Lever Weldment, LH	51	48796 Bushing, Self Align
	451484 Control Lever Weldment, RH	52	04001-08 Bolt, Hex Head 5/16-18 x 3/4"
8	04001-17 Bolt, Hex Head 5/16-18 x 2"	53	04001-147 Bolt, Hex Hd 3/8-24 x 5-1/4", 23/4" Thrd
9	04021-10 Nut, Hex Elastic Stop 5/16-18	54	481637 Switch
10	04001-45 Bolt, Hex Head 3/8-16 x 2"	55	04010-12 Screw, Hex SLTD WSHR Head #10 32 x 3/4"
11	04021-09 Nut, Hex Elastic Stop	56	461471 Brake Linkage, LH
12	423488 Mount, Control Linkage		461472 Brake Linkage, RH
13	48224 Ball Bearings, Neutral Return	57	45953 Bellcrank, Brake Actuator
14	43607 Spacer	58	48807 Spring
15	04069-01 Pin, Rue Cotter 3/8 Dia.	59	04001-163 Bolt, Hex Head 1/2-13 x 3-3/4"
16	04001-13 Bolt, Hex Head, 5/16-18 x 2.75 Zinc	60	04021-19 Locknut, Hex 1/2-13 Center Lock
17	04021-13 Nut, Hex Elastic Stop 5/8-11	61	04001-52 Bolt, Hex Head 1/2-13 x 2-1/2"
18	461601 Bracket, Control Lever LH	62	481787 Wheel Motor, Ross
	461602 Bracket, Control Lever RH	63	04001-12 Bolt, Hex Head, 5/16-18 x 1.75, Zinc
19	04003-04 Bolt, Carriage 5/16-18 x 1"	64	481601 Brake Band Assembly
20	43600 Spacer, Bearing	65	04064-16 Pin, Clevis 3/8" Dia. x 1.93"
21	04003-12 Bolt, Carriage 5/16-18 x 3/4"	66	43063 Spacer
22	04019-03 Nut, Hex Serrated Flange 5/16-18	67	461438 Wheel Hub/Brake Drum Assembly
23	04050-01 Ring, Retaining 5/8" External "E"	68	04063-25 Key, Woodruff 5/16 x 1"
24	43602 Spacer	69	481850 Wheel Assembly 24 x 12-12 Turf Master
25	45918 Bracket, Neutral Return		481851 Rim W/Valve Stem
26	04003-02 Bolt, Carriage 1/4-20 x 3/4"		481852 Tire, 24 x 12-12 Turf Master
27	04040-14 Flatwasher, 1/4" (.312 x .750 x .065)	70	04028-02 Lug Nut, 1/2-20
28	04021-08 Nut, Hex Elastic Stop 1/4-20	71	48680 Nut, Hex Castle
29	43477 Pin, Retaining Spring	72	422373 Threaded Plate
30	481389 Spring	73	04001-20 Bolt, Hex Head 3/8-16 x 1-1/2"
31	04060-01 Roll Pin, Spring 5/32 x 3/4"	74	423279 Plate Weldment, Motor Backing
32	04061-06 Pin, Cotter 9/16 x 1-1/2"	75	423491 Actuator Switch
33	482586 Rod End, Male 3/8-24 RH Thread	76	04017-16 Bolt, Hex Serrated Flange 5/16-18 x 3/4"
34	04020-25 Nut, 3/8-24 RH Thread	77	04003-36 Bolt, Carriage 3/8-16 x 4-3/4"
35	43629 Tube, Control Link Air Cooled Engine	78	04001-19 Bolt, Hex Head 3/8-16 x 1"
	43624 Tube, Control Link Liquid Cooled Engine	79	481638 Switch
36	04020-26 Nut, Hex 3/8-24 LH Thread	80	04001-168 Bolt, Hex Head 3/8-16 x 1-1/4" Grade 8
37	482585 Rod End, Male 3/8-24 LH Thread	81	04003-38 Bolt, Carriage 5/16-18 x 1-1/2"
38	04021-10 Locknut, 5/16-18, Elastic Stop	82	483269 Knob
39	482794 Gas Damper		
40	04001-31 Bolt, Hex Head 3/8-16 x 2-1/2"		
41	48114-04 Grease Fitting		
42	461082 Lever, Parking Brake (Includes item 43)		
43	481548 Grip, Parking Brake		

FUEL AND HYDRAULIC SYSTEM



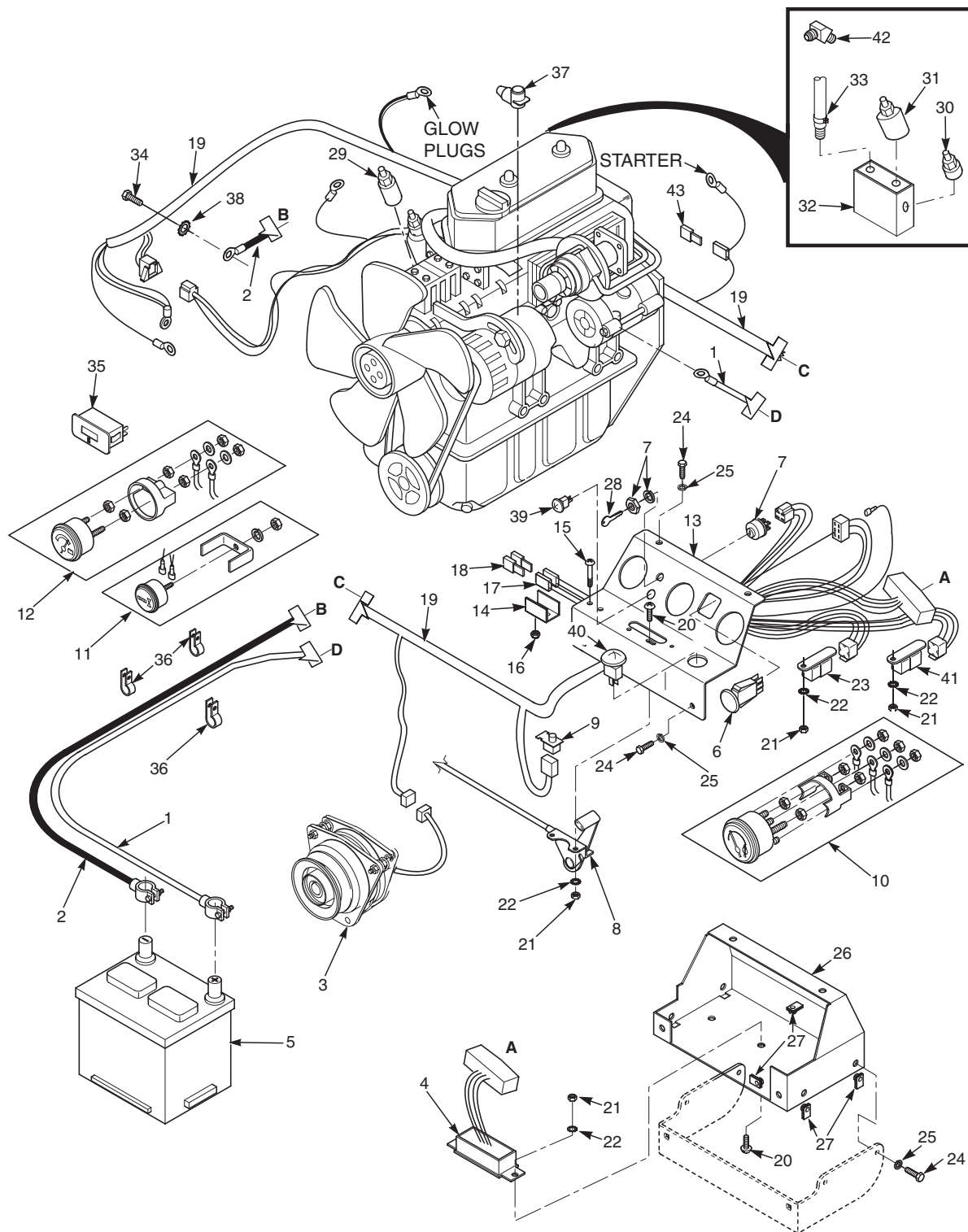
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FUEL AND HYDRAULIC SYSTEM

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	482417 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 (Purchase from Briggs & Stratton)	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	481308 Valve, Shutoff	48	482573 Bushing, .78 Dia.
14	48059-04 Clamp, Fuel Hose 5/16 ID	49	422694 Clamp Plate, Pump Control
15	481178 Fuel Hose, 5/16" ID. (order by inch)	50	481793 Block, Pump Control
16	481312 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	482498 Cap, Fuel Tank W/Gauge
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)	60	48059-03 Clamp, 3/16 Hose
27	482572 Elbow, 90 Degree, 9/16-18 JIC x 9/16 O-Ring	61	481179 Hose, 3/16" I.D. (order by inch)
28	48136-13 Hose Clamp, 0.69 dia.	62	481778 Hose Fitting, Straight DAPCO
29	48811 Hose, 3/8" ID, Pushlock (order by inch)		
30	04010-10 Screw, Phillips Head, 1/4-20		
31	48571-02 Cap		
32	461452 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		

** Available through the individual engine manufacturer.

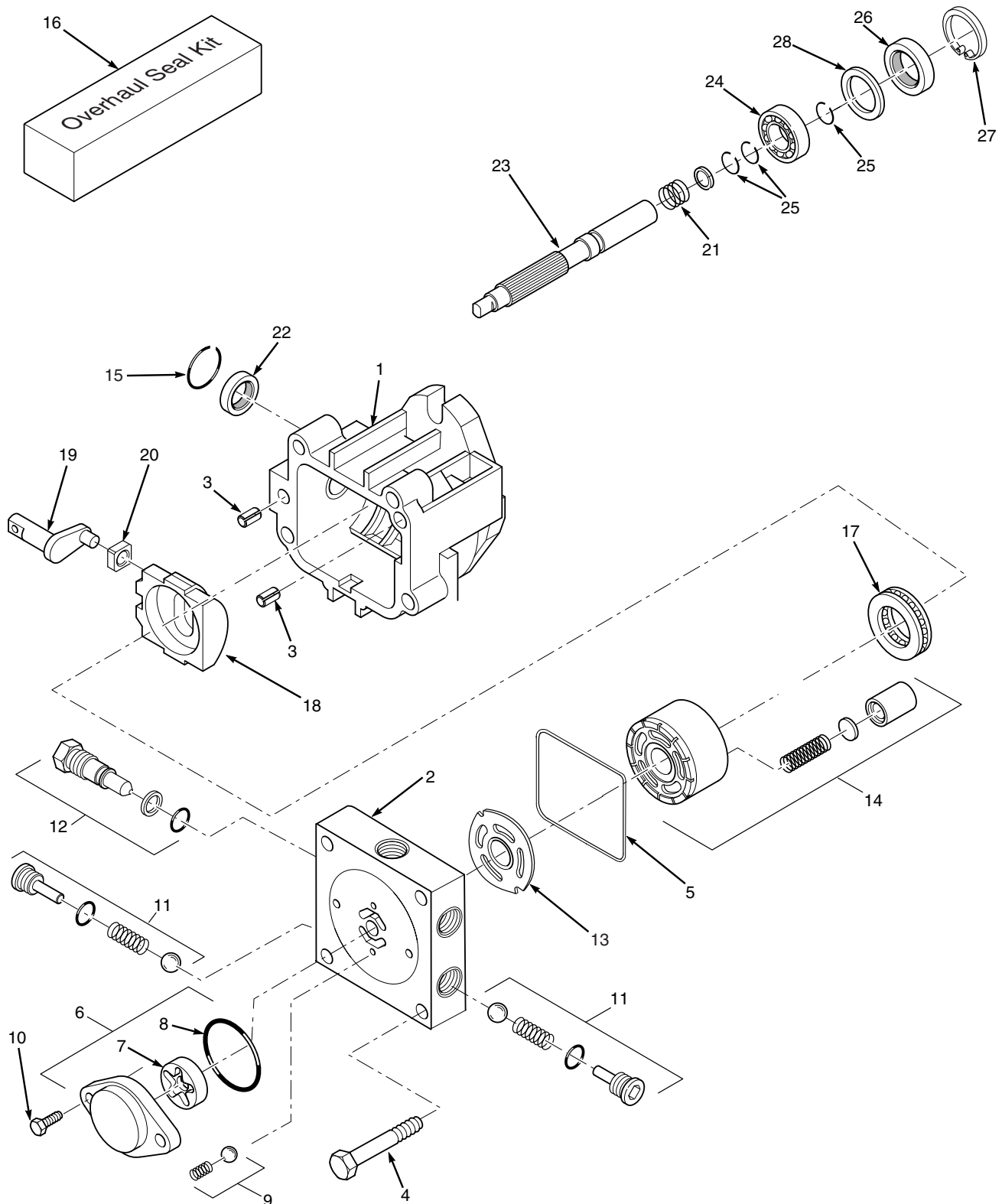
ELECTRICAL SYSTEM



ELECTRICAL SYSTEM

Ref. No.	Part No.	Description
1	481176-08	Cable, Positive Battery
2	481176-07	Cable, Negative Battery
3	461826	Clutch, Electric PTO
4	481808	Module, Interlock
5	*	Battery (not available through Scag)
6	483162	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, Voltmeter
13	424028	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	483057	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	483013	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	483072	Hour Meter
36	48030-09	Clamp, Cable .5" ID
	48030-10	Clamp, Cable .75" ID
37	481335	Boot, Positive Battery Terminal
38	04031-03	Washer, Star
39	481182	Indicator Light, Glow Plugs
40	482361	Indicator Light, Water Separator
41	481826	Relay, 40 Amp
42	482365	Fitting, Oil Sender - 45 Degree
43	481824	Fuse, 40 Amp
	481089	Fuse Holder (Not Shown)

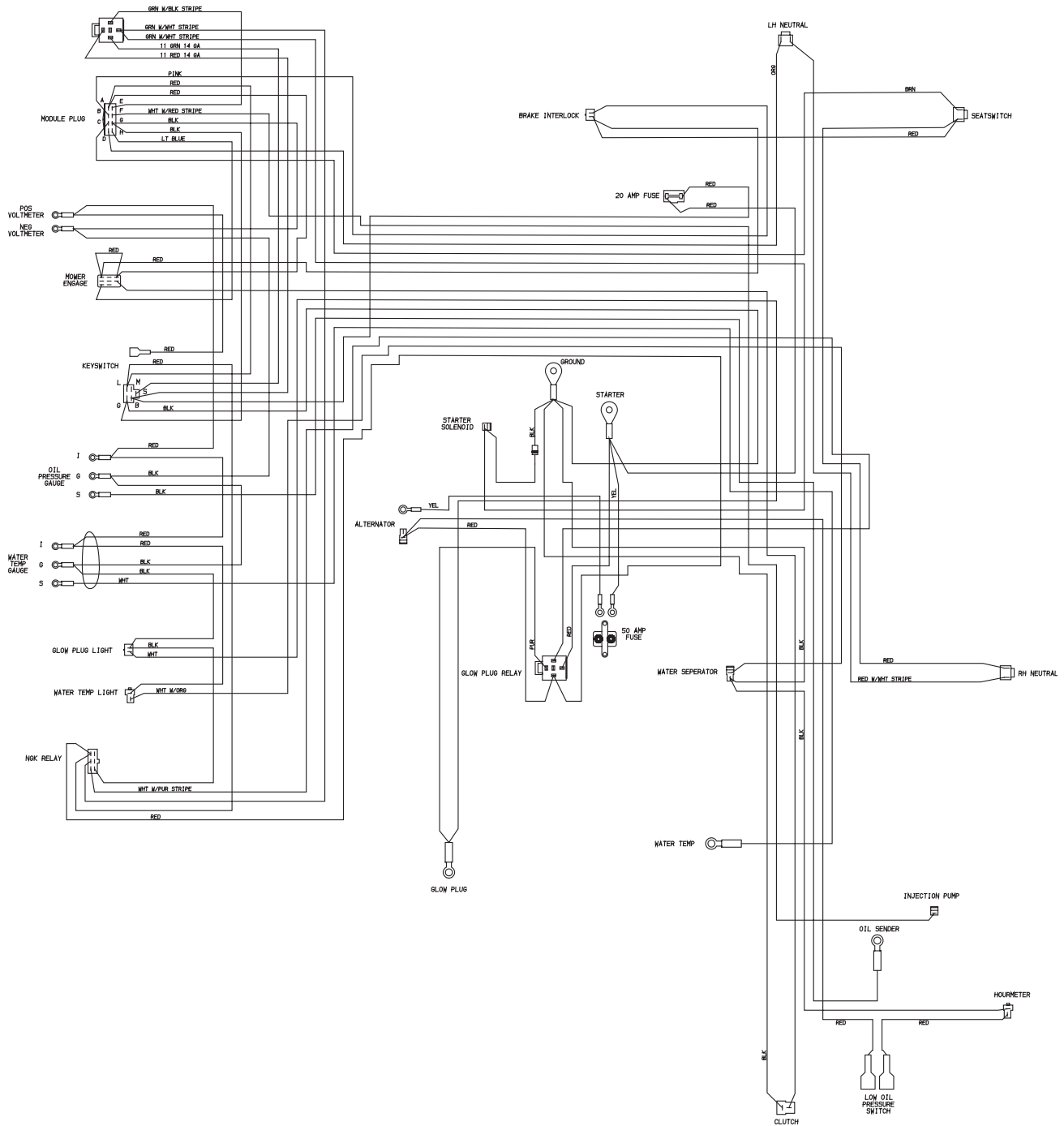
HYDRAULIC PUMP ASSEMBLY - BDP-21L



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 - 31BSD PART NUMBER 483057



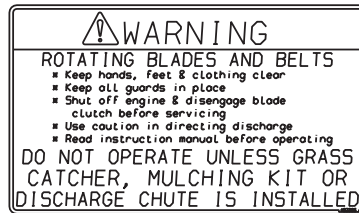
REPLACEMENT DECALS AND INFORMATION PLATES

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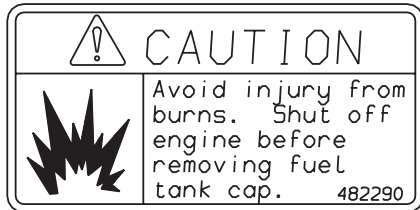
VELOCITY⁺ PLUS



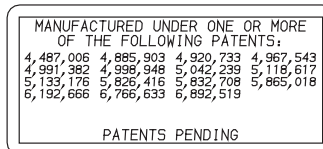
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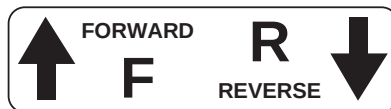
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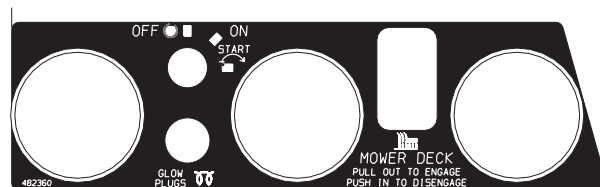
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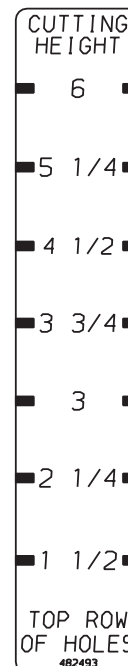
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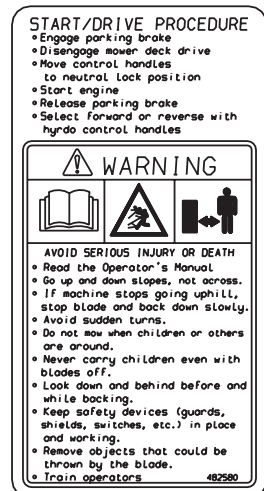
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482565



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482580

SCAG

REPLACEMENT DECALS AND INFORMATION PLATES

SCAG
TURBO DIESEL
482367

SCAG
48825

SCAG
48314



481937

WARNING
DO NOT OPERATE WITHOUT DISCHARGE CHUTE, MULCHING KIT, OR ENTIRE GRASS CATCHER INSTALLED 482165

482165



481925



482581

IMPORTANT ADJUSTMENT PROCEDURES
READ OPERATOR'S MANUAL FOR MORE DETAILS
Check tire pressure - (Drive tires-12 psi, Castor 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.
SEARBOX LUBRICANTS
SAE 80W90 gear oil
IMPORTANT DRIVESHAFT MAINTENANCE
Grease yokes 3-4 pumps Every 200 hours
Grease spline 8-10 pumps Every 50 hours

482710

SCAG
POWER EQUIPMENT
THIS MOWER INCLUDES A ROLL OVER PROTECTION SYSTEM THAT MUST BE INSTALLED PRIOR TO MOWER OPERATION.

483158



481664



481663

2004 STT-31BSD Decals 2