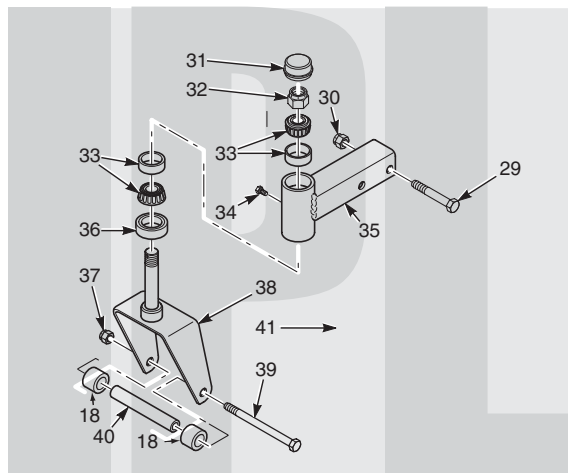


SCAG[®]

POWER EQUIPMENT



MODEL STT

ILLUSTRATED PARTS LIST

THIS MANUAL CONTAINS THE ILLUSTRATED PARTS LIST FOR MODELS:

STT52A-27CH	with a serial number of A5900001 to A5999999
STT61A-27CH	with a serial number of A6000001 to A6099999
STT61A-27KA	with a serial number of A6200001 to A6299999
STT61A-29DFI-SS	with a serial number of A6500001 to A6599999
STT61A-31BV-SS	with a serial number of A6700001 to A6799999
STT-27KA	with a serial number of A6800001 to A6899999
STT-29DFI-SS	with a serial number of A9500001 to A9599999
STT-31BV-SS	with a serial number of A9600001 to A9699999
SMT-52A	with a serial number of A7100001 to A7199999
SMT-61A	with a serial number of A7200001 to A7299999
SMT-61A (31BV)	with a serial number of A7300001 to A7399999
SMST-72A	with a serial number of A7600001 to A7699999

MODEL STT
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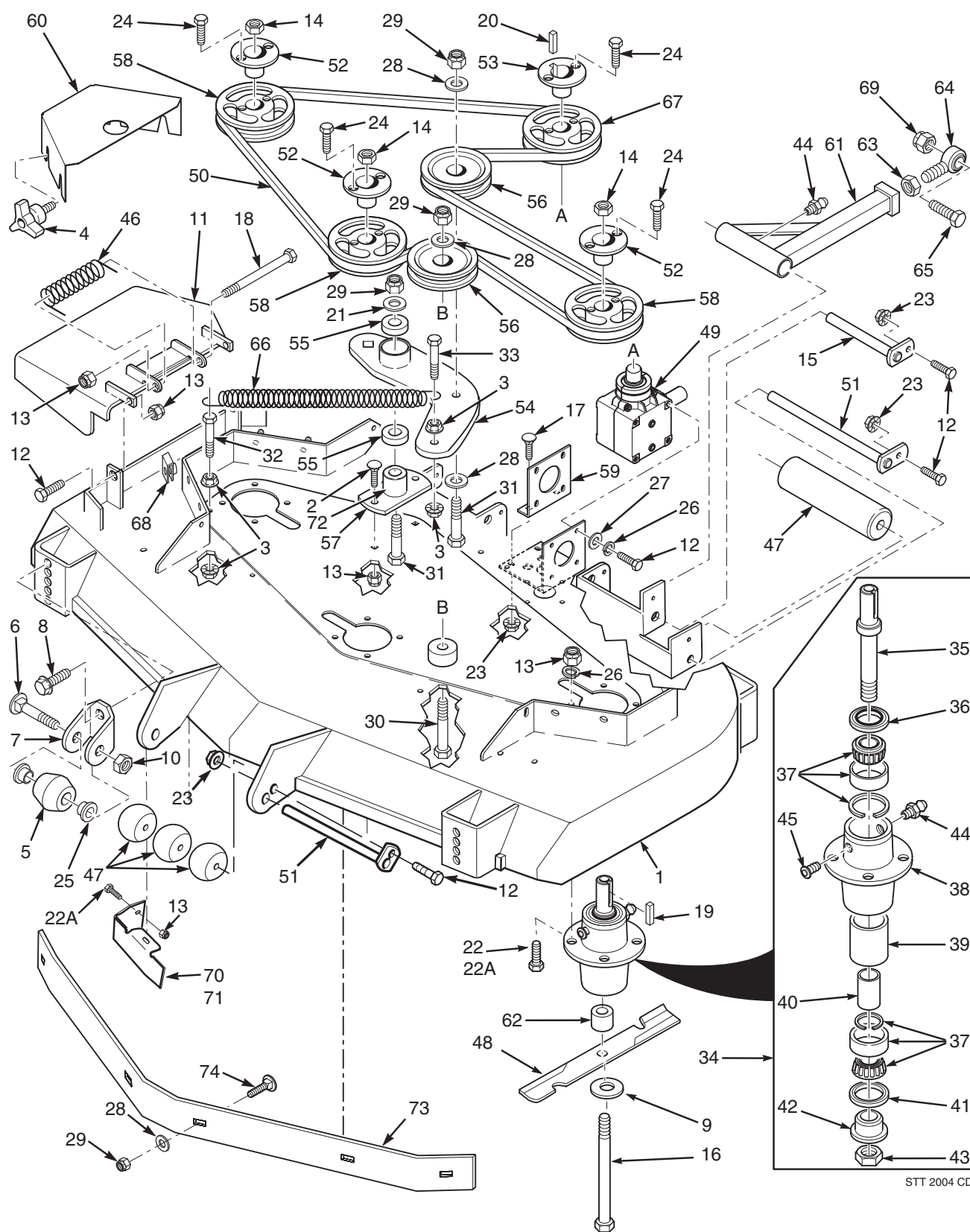
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NOTES

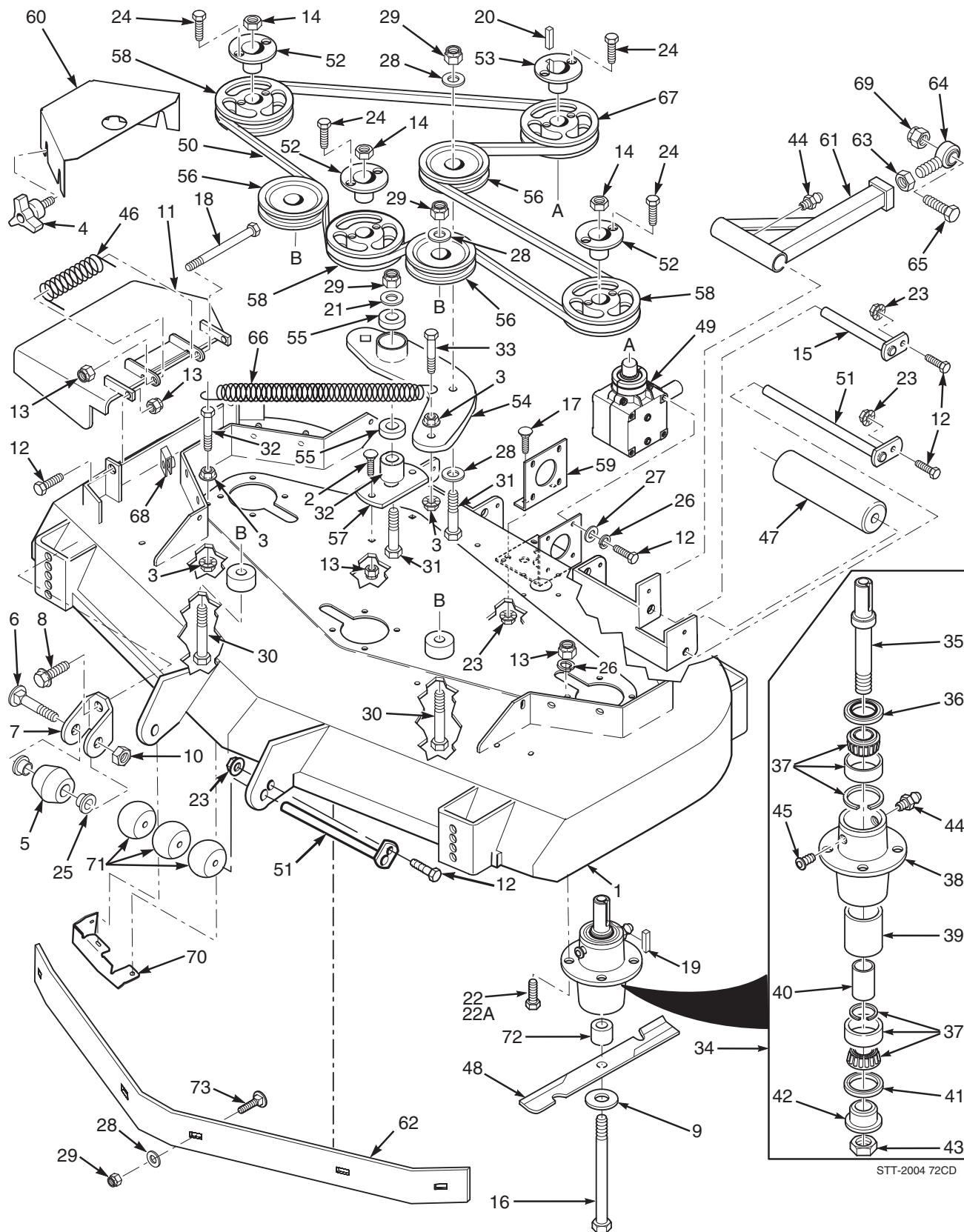
52A & 61A CUTTER DECKS



52A & 61A CUTTER DECKS

Ref. Part No. No.	Description	52 61	Ref. Part No. No.	Description	52 61
1 461652	Cutter Deck Advantage	x	40 43296	Spacer, Inside	x x
461657	Cutter Deck Advantage	x	41 481025	Seal, Bottom	x x
2 04003-04	Bolt, Carriage 5/16-18 x 1"	x x	42 43297	Spindle Bushing, Bottom	x x
3 04019-04	Nut, Hex Serrated Flange 3/8-16	x x	43 481035	Nut, Special 1 - 1/16-18	x x
4 481625-01	Wing nut, 3/8-16	x x	44 48114-04	Grease Fitting	x x
5 481632	Anti-Scalp Wheel	x x	45 48677	Relief Fitting, Tapered Spindle	x x
6 04003-26	Bolt, Carriage 3/8-16 x 4"	x x	46 482245	Spring, Discharge Chute	x x
7 422478	Anti-Scalp Wheel Bracket	x x	47 482295	Wheel, Anti-Scalp	x x
8 04017-27	Bolt, Hex Serrated Flange 3/8-16 x 1"	x x	48 482878	Cutter Blade, 18"	x
9 04043-06	Flatwasher, 5/8" Hardened	x x	482879	Cutter Blade, 21"	x
10 04021-05	Locknut, 3/8-16 Center Lock	x x	482881	Cutter Blade, 21" (31BV Only)	x
11 461295	Discharge Chute Advantage - Small	x	49 482486	Gearbox Assembly, Deck Drive	x x
461296	Discharge Chute Advantage - Large	x	50 482281	Belt, Cutter Deck Drive	x
12 04001-11	Bolt, Hex Head 5/16-18 x 1-3/4" - Front	x x	481558	Belt, Cutter Deck Drive	x
04001-12	Bolt, Hex Head 5/16-18 x 1-1/2" - Rear	x x	51 45944	Roller Shaft	x x
13 04021-22	Nut, Hex Elastic Stop 5/16-18 Grade 8	x x	52 48926	Tapered Hub, 1-1/8" Bore	x x
14 04020-09	Nut, 5/8-11 UNC	x x	53 48141	Tapered Hub, 1" Bore	x x
15 451240	Push Arm Shaft	x x	54 461174	Idler Arm, Cutter Deck	x x
16 04001-41	Bolt, Hex Head 5/8-11 x 9-1/2"	x x	55 48224	Bearings, Ball	x x
17 04003-12	Bolt, Carriage 5/16-18 x 3/4"	x x	56 482416	Pulley, Idler	x x
18 04001-108	Bolt, Hex Head 5/16-18 x 4-1/2"	x x	57 422713	Base, Idler Pivot	x x
19 04063-08	Key, 1/4 x 1/4 x 2"	x x	58 482744	Pulley, 5.75 O.D. (52')	x
20 04063-01	Key, 1/4 x 1/4 x 1-1/4"	x x	482745	Pulley, 6.35 O.D. (61")	x
21 04043-04	Flatwasher, 3/8-.39 x .938 x .105 HD	x x	59 422426	Mounting Plate, Gearbox	x x
22 04001-176	Bolt, Hex Head 5/16-18 x 1-3/4"	x x	60 422412	Belt, Cover	x
23 04019-03	Nut, Hex Serrated Flange 5/16-18	x x	422413	Belt, Cover	x
24 04001-172	Bolt, Hex Head 1/4-20 x 1" Grade 8	x x	61 461516	Pusharm (incl. items 44, 63 & 64)	x x
25 48100-15	Bushing, .376 I.D. Oilite	x x	62 43590	Spacer, Spindle Bottom	x x
26 04030-03	Lockwasher, 5/16"	x x	63 04020-16	Nut, Hex Head 5/8-18 UNF	x x
27 04040-15	Flatwasher, 5/16" (.375 x .875 x .083)	x x	64 48763	Rod End, 5/8" Male RH Thread	x x
28 04041-07	Flatwasher, 3/8" (.391 x .938 x .105)	x x	65 04001-79	Bolt, Hex Head 5/8-11 x 4-1/2"	x x
29 04021-09	Nut, Hex Elastic Stop 3/8-16	x x	66 481597	Spring, Cutter Deck	x x
30 04001-62	Bolt, Hex Head 3/8-16 x 3-1/4"	x x	67 482747	Pulley, 6.95 O.D.	x
31 04001-31	Bolt, Hex Head 3/8-16 x 2-1/2"	x x	482746	Pulley, 6.75 O.D.	x
32 04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"	x x	68 04110-03	U-Nut, 3/8-16	x x
33 04001-136	Bolt, Hex Head 3/8-16 x 1-1/2" Grade 8	x x	69 04021-13	Nut, Hex Elastic Stop 5/8-11	x x
34 461663	Spindle Assembly	x x	70 423956	Discharge Baffle 52"	x
35 43589	Spindle Shaft	x x	71 423957	Discharge Baffle 61"	x
36 481024	Seal, Top	x x	72 43503	Pivot, Idler - Short	x x
37 481022	Bearing Assembly	x x	73 423803	Baffle, Custom Cut 52A	x
38 43644	Spindle Housing	x x	423792	Baffle, Custom Cut 61A	x
39 43312	Spacer, Outside	x x	74 04003-23	Bolt, Carriage 3/8-16 x 1"	x x

72A CUTTER DECK



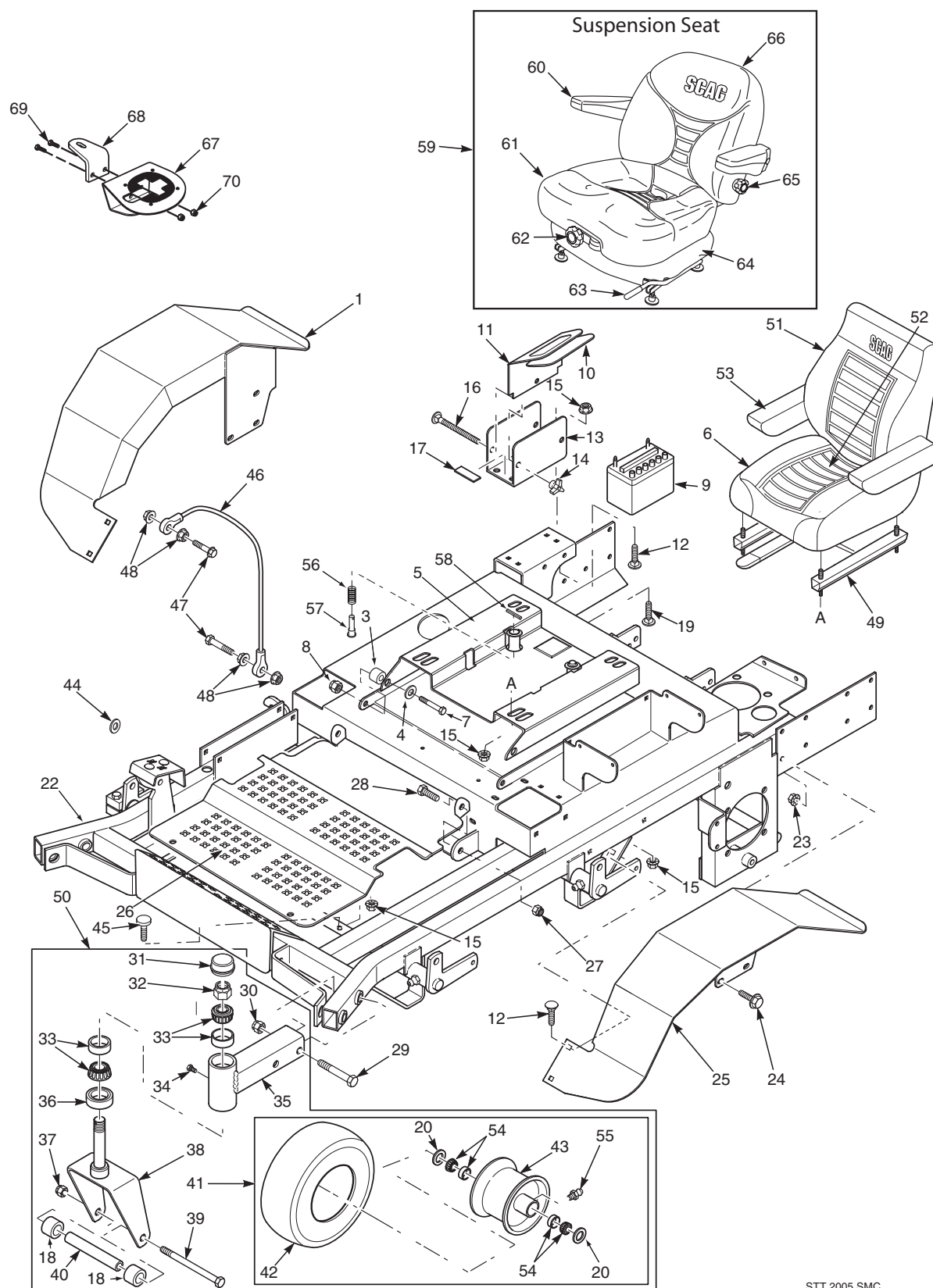
72A CUTTER DECK

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1 461659	Cutter Deck, 72" Advantage (Includes Decals)	42 43297	Spindle Bushing, Bottom
2 04003-04	Bolt, Carriage 5/16-18 x 1"	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, 61" & 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 461174	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 482416	Pulley, Idler
15 451240	Push Arm Shaft	57 422713	Base, Idler Pivot
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 3.25"	71 482295	Wheel, Anti-Scalp
31 04001-31	Bolt, Hex Head 3/8-16 x 2.50"	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		
34 461663	Spindle Assembly		
35 43589	Spindle Shaft		
36 481024	Seal, Top		
37 481022	Bearing Assembly		
38 43644	Spindle Housing		
39 43312	Spacer, Outside		
40 43296	Spacer, Inside		
41 481025	Seal, Bottom		

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	04067-09	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	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"

SHEET METAL COMPONENTS

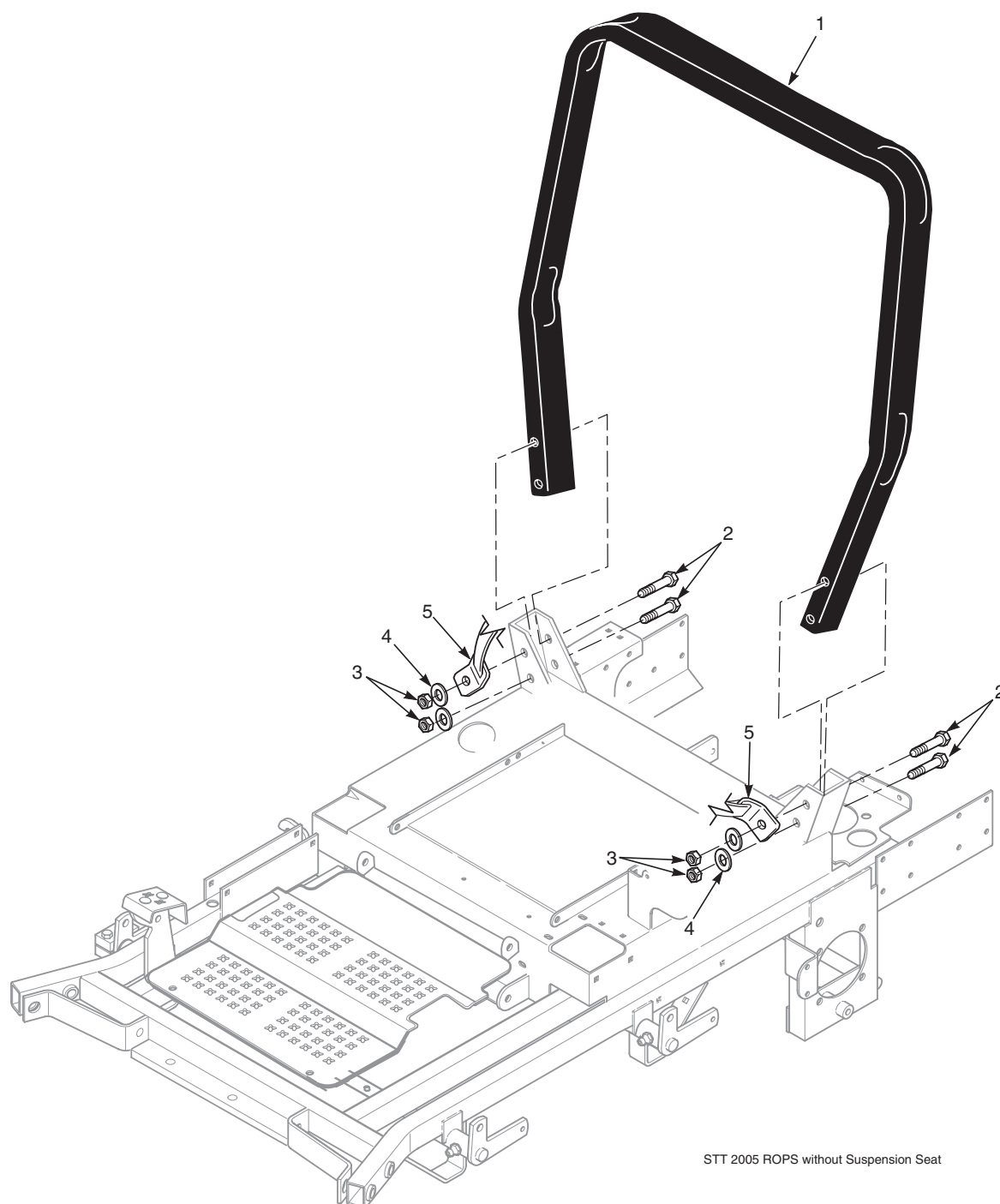


STT 2005 SMC

SHEET METAL COMPONENTS

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	451481	Fender Weldment, RH	43	482625	Rim Assembly, 52A (Includes item 55)
2	04001-09	Bolt, Hex Head, 5/16-18 x 1, Zinc		482620	Rim Assembly, 61A & 72A (Inc. item 55)
3	43606	Spacer	44	04041-07	Flatwasher, 3/8"-391 x .938 x .105
4	04041-07	Flatwasher, 3/8-.391 x .938 x .105	45	481284	Bumper, Rubber
5	451650	Seat Plate Weldment	46	48566	Cable, Seat Stop
6	482597	Seat Assembly w/armrest	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	482502	Seat Adjustment, Track Set
9	48015	Battery	50	461453	Caster Wheel Assy (Inc. 31 thru 43)
10	48903	Pad, Battery Cover			52A (RH)
11	421274	Cover, Battery		461446	Caster Wheel Assy (Inc. 31 thru 43)
12	04003-12	Bolt, Carriage 5/16-18 x 3/4"			52A (LH)
13	423308	Plate, Battery Box		461447	Caster Wheel Assy (Inc. 31 thru 43)
14	04029-01	Wing Nut, 1/4-20 x 3/4"			61A (LH)
15	04019-03	Nut, Hex Serrated Flange 5/16-18		461448	Caster Wheel Assy (Inc. 31 thru 43)
16	04003-01	Bolt, Carriage 1/4-20 x 6"			61A (RH)
17	48661	Rubber Pad		461449	Caster Wheel Assy (Inc. 31 thru 43)
18	43584	Spacer, Caster Wheel			72A (LH)
19	04003-04	Bolt, Carriage 5/16-18 x 1"		461450	Caster Wheel Assy (Inc. 31 thru 43)
20	482622	Seal			72A (RH)
21	04021-09	Lock Nut, 3/8-16, Elast. Stop	51	482614	Back Cushion Cover
22	461702	Main Frame	52	482615	Seat Cushion Cover
23	04019-04	Nut, Hex Serrated Flange 3/8-16	53	482618	Arm Rest, Right Hand
24	04017-27	Screw, Hex Serrated Flange 3/8-16 x 1"		482617	Arm Rest, Left Hand
25	451480	Fender Weldment, LH		482616	Arm Rest Cover
26	423489	Foot Plate	54	482621	Bearing w/ Race
27	04021-09	Nut, Hex Elastic Stop 3/8-16	55	48114-07	Grease Fitting
28	04001-19	Bolt, Hex Head 3/8-16 x 1"	56	481389	Spring, Seat
29	04001-125	Bolt, Hex Head 5/8-11 x 4"	57	43462	Pin Retainer, Spring
30	04021-13	Nut, Hex Elastic Stop 5/8-11	58	04060-01	Roll Pin, Spring 5/32 x 3/4"
31	481559	Cap, Grease	59	9270	Suspension Seat Assembly
32	04021-20	Nut, Hex Elastic Stop 1.0-14	60	482950	Armrest Only
33	481657	Bearing W/Race		482945	Armrest Assembly Kit, LH
34	482028-01	Plug, 1/4-28 THD Form		482946	Armrest Assembly Kit, RH
35	451449	Extension Weldment, Caster 52A (LH)	61	482941	Seat Cushion Kit
	451450	Extension Weldment, Caster 52A (RH) & 61A (LH)			Seat Drain Kit (Included with Seat Cushion)
	451451	Extension Weldment, Caster 61A (RH)	62	482944	Weight Adjustment Kit
	451452	Extension Weldment, Caster 72A (LH)		482948	Knob Kit
	451453	Extension Weldment, Caster 72A (RH)	63	482952	Seat Adjustment, Track Set
36	481025	Seal, 2.00 OD. x 1.625 Bore	64	482942	Shock Absorber Kit
37	04021-07	Nut, Hex Elastic Stop 1/2-13	65	482943	Lumbar Kit
38	45934	Yoke Weldment, Caster (52A)		482948	Knob Kit
	451416	Yoke Weldment, Caster (61A & 72A)	66	482940	Back Cushion Kit
39	04001-134	Bolt, Hex Head 1/2-13 x 7-1/2" (52A)	67	9240	Cup Holder Assembly
	04001-167	Bolt, Hex Head 1/2-13 x 9-1/2" (61A & 72A)	68	423674	Mounting Bracket, STT Cup Holder
40	43581	Sleeve, Caster Wheel (52A)	69	04001-01	Bolt, Hex Head 1/4-20 x 3/4"
	43583	Sleeve, Caster Wheel (61A, 72A)	70	04021-08	Nut, Elastic Stop 1/4-20
41	482503	Wheel Assy, 52A (Inc.items 20, 42, 43, 54, 55)			
	482504	Wheel Assy, 61A, 72A (Inc. 20, 42, 43, 54, 55)			
42	481613	Tire, 13 x 5.00 4-Ply (52A)			
	482619	Tire, 13 x 6.50 4-Ply (61A, 72A)			

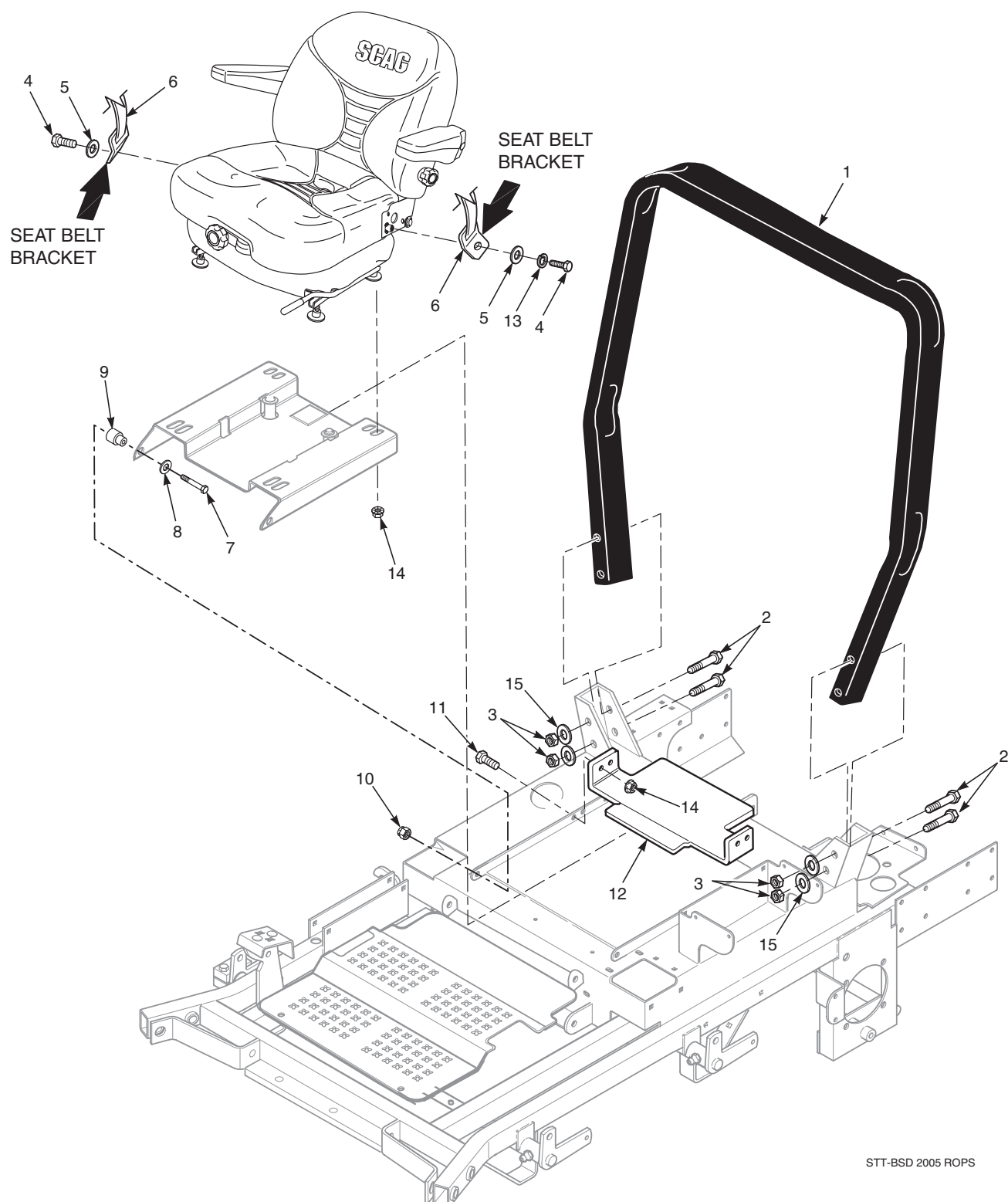
STT ROLL OVER PROTECTION SYSTEM - WITHOUT SUSPENSION SEAT



**STT ROLL OVER PROTECTION SYSTEM - WITHOUT
SUSPENSION SEAT**

Ref. No.	Part No.	Description
1	461817	STT, ROPS
2	04001-82	Bolt, Hex Head 1/2-13 x 4-1/2"
3	04021-19	Nut, Center Lock 1/2-13
4	04040-13	Flatwasher, 1/2-.562 x 1.375 x .109
5	483150	Seat Belt

STT ROLL OVER PROTECTION SYSTEM - WITH SUSPENSION SEAT

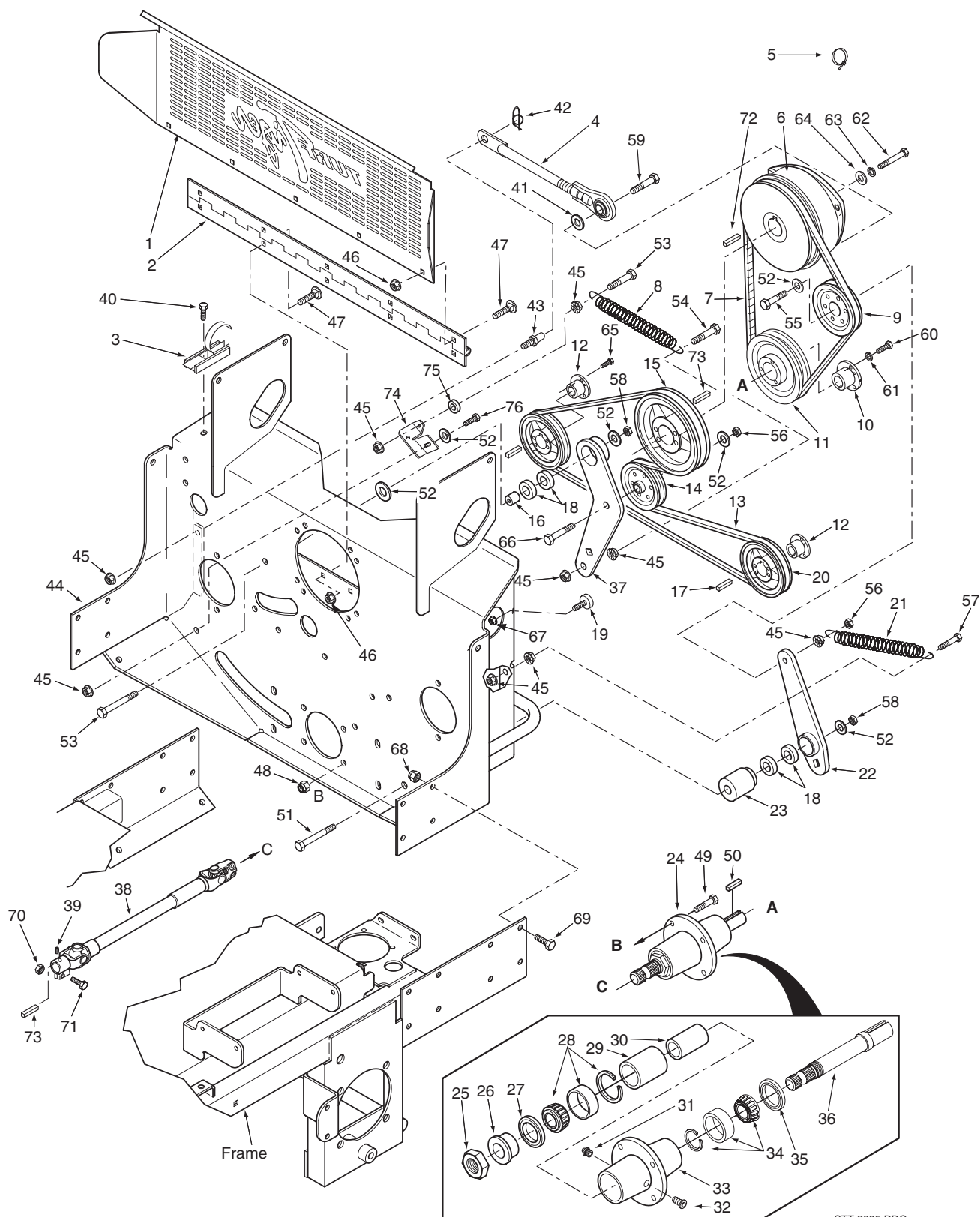


STT-BSD 2005 ROPS

STT ROLL OVER PROTECTION SYSTEM - WITH SUSPENSION SEAT

Ref. Part		
No.	No.	Description
1	461817	STT, ROPS
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

DECK DRIVE COMPONENTS

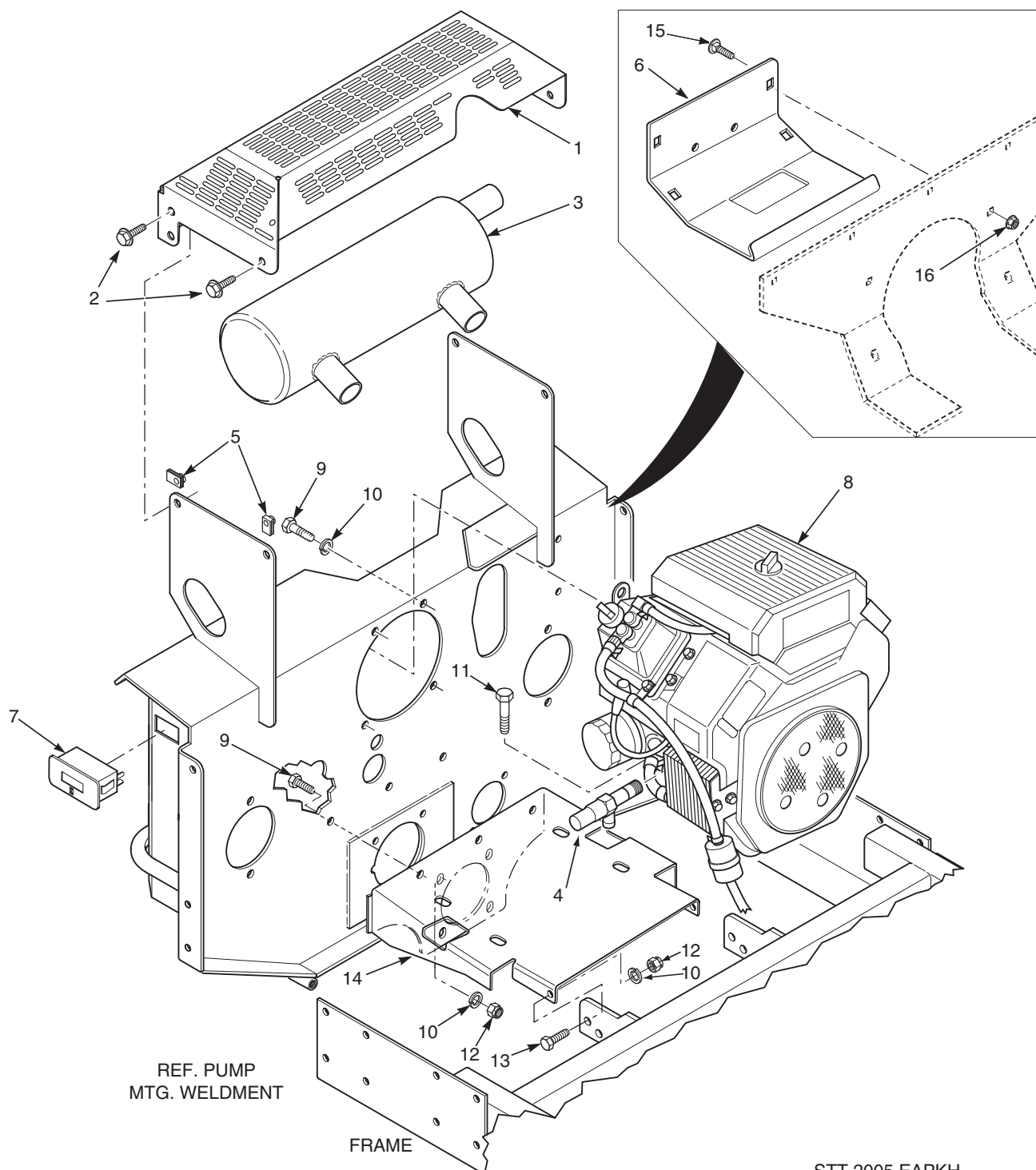


STT 2005 DDC

DECK DRIVE COMPONENTS

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1	423925 Belt Guard, Rear	38	482424 Driveshaft (Air Cooled Engine)
2	481531 Hinge, Belt Guard		482438 Driveshaft (Liquid Cooled Engine)
3	481309 Latch, Hood	39	04012-08 Set Screw, 3/8-16 x 3/4" Torx Socket
4	482845 Rod Assembly, Clutch Anti-Rotation	40	04011-11 Screw, #10-32 x .56
5	48030-09 Clamp, Cable	41	04041-07 Flatwasher, 3/8-.391 x .938 x .105
6	461661 Clutch, Ogura GT-3.5	42	04069-01 Pin, Rue Cotter 3/8 Dia.
	461662 Clutch, Ogura GT-5 (31BV)	43	43507 Stud, Anti Rotation
7	482876 Belt, Deck Drive	44	451696 Pump Mounting Plate Weldment (Air Cooled)
8	483088 Spring, Transmission Idler		451684 Pump Mounting Plate Weldment (Liquid Cooled)
9	48181 Pulley, Idler 5" Dia.	45	04019-04 Nut, Serrated Flange 3/8-16
10	481536 Tapered Hub, 1" Bore	46	04019-02 Nut, Serrated Flange 1/4-20
11	482949 Pulley, 6.70 Tapered Bore	47	04003-07 Bolt, Carriage 1/4-20 x 1/2"
12	481884 Tapered Hub, 17mm Bore	48	04021-22 Nut, Elastic Stop 5/16-18 Grade 8
13	483085 Belt, Pump Drive STT	49	04001-176 Bolt, Hex Head 5/16-18 x 1-3/4" Grade 8
	483086 Belt, Pump Drive (29DFI, 31BV)	50	04063-06 Key, 1/4 x 1/4 x 1-1/2"
14	482655 Pulley, Idler 4" Dia.	51	04001-171 Bolt, Hex Head 3/8-16 x 4-1/2" Grade 8 Black
15	483082 Pulley, 4.55 Dia. - 1.125 Bore	52	04043-04 Washer, 3/8 Hardened
	483083 Pulley, 5.35 Dia. - 1.125 (29DFI & 31BV Only)	53	04001-135 Bolt, Hex Head 3/8-16 x 1-3/4" Grade 8 Black
16	43631 Spacer, Idler Bearing	54	04001-136 Bolt, Hex Head 3/8-16 x 1-1/2" Grade 8 Black
17	04063-14 Key, 5.0 x 5.0 x 25mm	55	04001-170 Bolt, Hex Head 3/8-16 x 2-1/2" 1.5 Thread Grd.8
18	48224 Ball Bearing	56	04021-05 Nut, Center Lock 3/8-16
19	481284 Bumper, Rubber	57	04001-136 Bolt, Hex Head 3/8-16 x 1-1/2" Grade 8 Black
20	482752 Pulley, 6.25 OD Tapered Bore	58	04021-09 Nut, Elastic Stop 3/8-16
	482745 Pulley, (29DFI & 31BV Only)	59	04001-45 Bolt, Hex Head 3/8-16 x 2"
21	482667 Spring, PTO	60	04001-109 Bolt, Hex Head 1/4-20 x 1-3/8"
22	461609 Idler Arm Weldment, PTO Drive	61	04030-02 Lockwasher, 1/4 Spring
23	43632 Pivot, Idler PTO	62	04001-101 Bolt, Hex Head 7/16-20 x 2-1/2" UNF
24	461697 Spindle Assembly, Deck Drive	63	04030-05 Lockwasher, 7/16 Spring
25	481035 Nut, 1.06-18 Thread	64	04041-28 Flatwasher, 7/16-.469 x 1.75 x .25
26	43297 Spindle Bushing, Bottom	65	04001-172 Bolt, Hex Head 1/4-20 x 1" Grade 8
27	481025 Seal, 2.0 OD x 1.625 Bore	66	04001-21 Bolt, Hex Head 3/8-16 x 1-3/4"
28	481022 Roller Bearing Tapered	67	04019-03 Nut, Serrated Flange 5/16-18
29	43312 Spacer, Outside	68	04021-09 Nut, Elastic Stop 3/8-16
30	43296 Spacer, Inside	69	04001-19 Bolt, Hex Head 3/8-16 x 1"
31	48114-04 Grease Fitting, 1/4-28	70	04021-05 Nut, Center Lock 3/8-16
32	48677 Relief Fitting	71	04001-21 Bolt, Hex Head 3/8-16 x 1-3/4"
33	43644 Spindle Housing	72	04063-02 Key, 1/4 x 1/4 x 2-1/4"
34	481022 Roller Bearing Tapered	73	04063-20 Key, 1/4 x 1/4 x 1"
35	481024 Seal, 2.0 OD x 1.5 Bore	74	Bracket
36	43534 Shaft, Deck Drive	75	Spacer
37	461608 Idler Arm Weldment, Pump Drive	76	Bolt

ENGINE AND ATTACHING PARTS - KOHLER

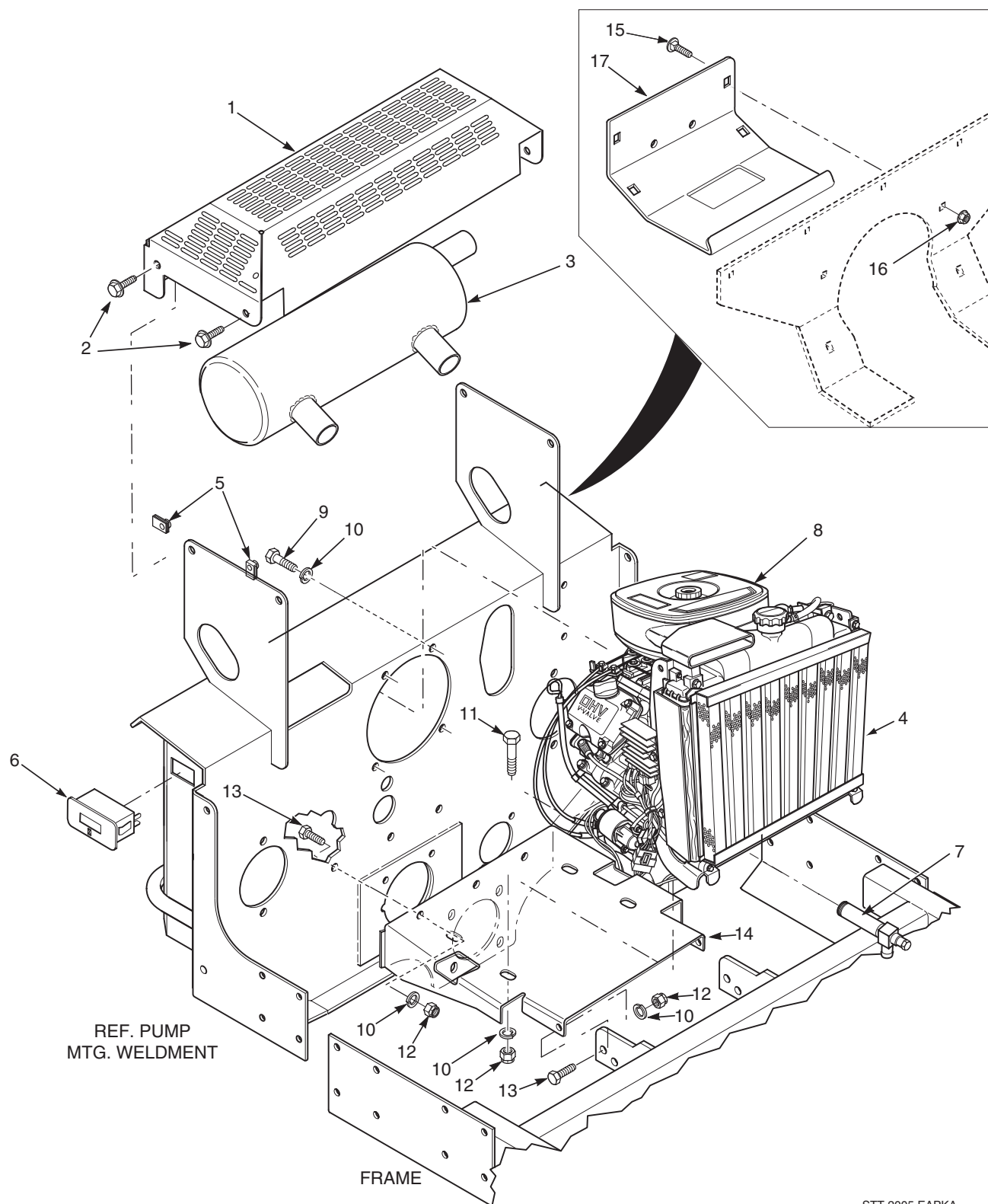


STT 2005 EAPKH

ENGINE AND ATTACHING PARTS - KOHLER

Ref. No.	Part No.	Description
1	422593	Muffler Guard
2	04017-05	Screw, Hex Serrated Flange 1/4-20 x 3/4"
3	*	Muffler, Part Of Engine (Available only through Kohler)
4	482510	Oil Drain Extension
5	04110-01	U-Nut, 1/4-20
6	424063	Rear Cover
7	483072	Hour Meter
8	482890	Engine, Kohler 27 CH (Available only through Kohler, Eng. Spec. PS-CH740-0041)
9	04001-19	Bolt, Hex Head 3/8-16 x 1"
10	04030-04	Lockwasher, 3/8" Spring
11	04001-21	Bolt, Hex Head 3/8-16 x 1-3/4"
12	04021-09	Nut, Hex Elastic Stop 3/8-16
13	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"
14	451459	Plate, Engine Mounting
15	04003-12	Bolt, Carriage 5/16-18 x 3/4"
16	04019-03	Nut, Hex Serrated Flange 5/16-18

ENGINE & ATTACHING PARTS - 27HP, 29HP-DFI KA & 31BV

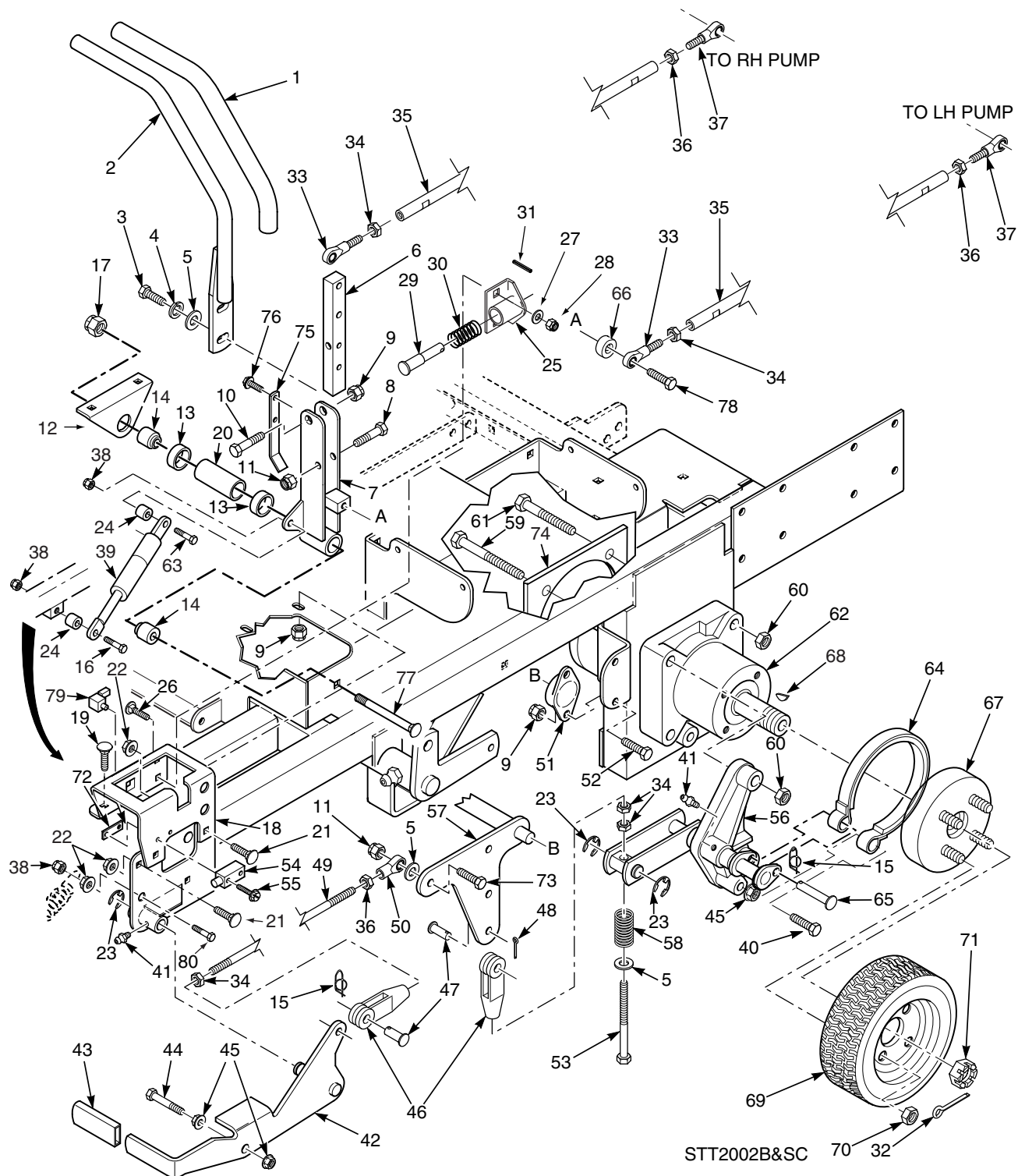


STT 2005 EAPKA

ENGINE & ATTACHING PARTS - 27HP, 29HP-DFI KA & 31BV

Ref. No.	Part No.	Description
1	451378	Muffler Guard (Kawasaki)
	422593	Muffler Guard (31BV Briggs & Stratton)
2	04017-05	Screw, Hex Serrated Flange 1/4-20 x 3/4"
3	482699	Muffler (Kawasaki)
	482860	Muffler (31BV Briggs & Stratton)
4	451421	Screen Weldment, Radiator (Kawasaki Only)
5	04110-01	U-Nut, 1/4-20
6	483072	Hour Meter
7	482351	Oil Drain, 2.6" (Kawasaki Only)
	483017	Oil Drain, (BV Only)
8	482809	Engine, Kawasaki 27KA (Available only through Kawasaki)
	482810	Engine, Kawasaki 29KA-DFI (Available only through Kawasaki)
	482801	Engine, Briggs & Stratton 31HP V-Twin Air Cooled (Avail. only through B & S)
9	04002-18	Bolt, M10-1.50 x 25 Grade 8.8
10	04030-04	Lockwasher, 3/8" Spring
11	04001-21	Bolt, Hex Head 3/8-16 x 1-3/4"
12	04021-09	Nut, Hex Elastic Stop 3/8-16
13	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"
14	451454	Plate, Engine Mounting
15	04003-12	Bolt, Carriage 5/16-18 x 3/4"
16	04019-03	Nut, Hex Serrated Flange 5/16-18
17	424063	Rear Cover

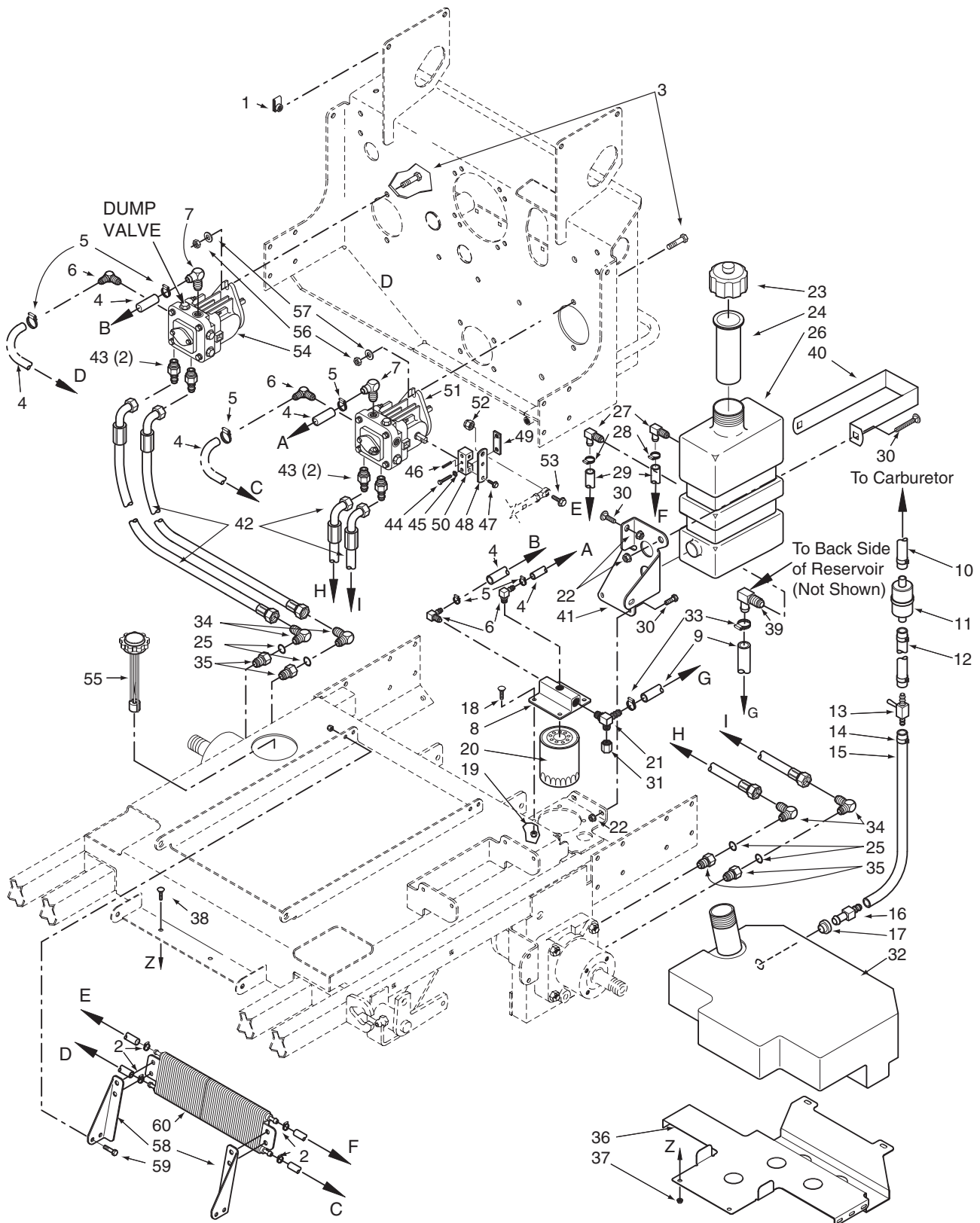
BRAKE AND STEERING COMPONENTS



BRAKE AND STEERING COMPONENTS

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1 482340	Grip, Handle Bar	43 481548	Grip, Parking Brake
2 461386	Handle Bar (Includes item 1)	44 04001-22	Bolt, Hex Head 3/8-16 x 2-3/4"
3 04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"	45 04019-04	Nut, Hex Serrated Flange 3/8-16
4 04030-04	Lockwasher, 3/8"	46 48343-04	Clevis, Traction Control
5 04041-07	Flatwasher, 3/8" (.391 x .938 x .105)	47 04064-02	Pin, Clevis 3/8-16 x 1-1/16"
6 422372	Bar, Control Lever	48 04061-02	Pin, Cotter 3/32 x .75
7 451483	Control Lever Weldment, LH	49 04004-34	Rod, Parking Brake
451484	Control Lever Weldment, RH	50 48544	Rod End, LH Thread
8 04001-17	Bolt, Hex Head 5/16-18 x 2"	51 48796	Bushing, Self Align
9 04021-10	Nut, Hex Elastic Stop 5/16-18	52 04001-08	Bolt, Hex Head 5/16-18 x 3/4"
10 04001-45	Bolt, Hex Head 3/8-16 x 2"	53 04001-147	Bolt, Hex Hd 3/8-24 x 5-1/4", 23/4" Thrd
11 04021-09	Nut, Hex Elastic Stop	54 481637	Switch
12 423488	Mount, Control Linkage	55 04010-12	Screw, Hex SLTD WSHR Head #10 32 x 3/4"
13 48224	Ball Bearings, Neutral Return	56 461471	Brake Linkage, LH
14 43607	Spacer	461472	Brake Linkage, RH
15 04069-01	Pin, Rue Cotter 3/8 Dia.	57 45953	Bellcrank, Brake Actuator
16 04001-13	Bolt, Hex Head, 5/16-18 x 2.75 Zinc.	58 48807	Spring
17 04021-13	Nut, Hex Elastic Stop 5/8-11	59 04001-163	Bolt, Hex Head 1/2-13 x 3-3/4"
18 461601	Bracket, Control Lever LH	60 04021-19	Locknut, Hex 1/2-13 Center Lock
461602	Bracket, Control Lever RH	61 04001-52	Bolt, Hex Head 1/2-13 x 2-1/2"
19 04003-04	Bolt, Carriage 5/16-18 x 1"	62 482639	Wheel Motor, Ross
20 43600	Spacer, Bearing	63 04001-12	Bolt, Hex Head, 5/16-18 x 1.75, Zinc
21 04003-12	Bolt, Carriage 5/16-18 x 3/4"	64 481601	Brake Band Assembly
22 04019-03	Nut, Hex Serrated Flange 5/16-18	65 04064-16	Pin, Clevis 3/8" Dia. x 1.93"
23 04050-01	Ring, Retaining 5/8" External "E"	66 43063	Spacer
24 43602	Spacer	67 461438	Wheel Hub/Brake Drum Assembly
25 45918	Bracket, Neutral Return	68 04063-25	Key, Woodruff 5/16 x 1"
26 04003-02	Bolt, Carriage 1/4-20 x 3/4"	69 481552	Wheel Assembly 23 x 10.5-12 (52" Only)
27 04040-14	Flatwasher, 1/4" (.312 x .750 x .065)	481659	Rim W/Valve Stem (52" Only)
28 04021-08	Nut, Hex Elastic Stop 1/4-20	481660	Tire, 23 x 10.5-12 (52" Only)
29 43477	Pin, Retaining Spring	481850	Wheel Assembly 24 x 12-12 Turf Master
30 481389	Spring	481851	Rim W/Valve Stem
31 04060-01	Roll Pin, Spring 5/32 x 3/4"	481852	Tire, 24 x 12-12 Turf Master
32 04061-06	Pin, Cotter 9/16 x 1-1/2"	70 04028-02	Lug Nut, 1/2-20
33 482586	Rod End, Male 3/8-24 RH Thread	71 48680	Nut, Hex Castle
34 04020-25	Nut, 3/8-24 RH Thread	72 422373	Threaded Plate
35 43629	Tube, Control Link Air Cooled Engine	73 04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
43624	Tube, Control Link Liquid Cooled Engine	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 482794	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)		

FUEL AND HYDRAULIC SYSTEM



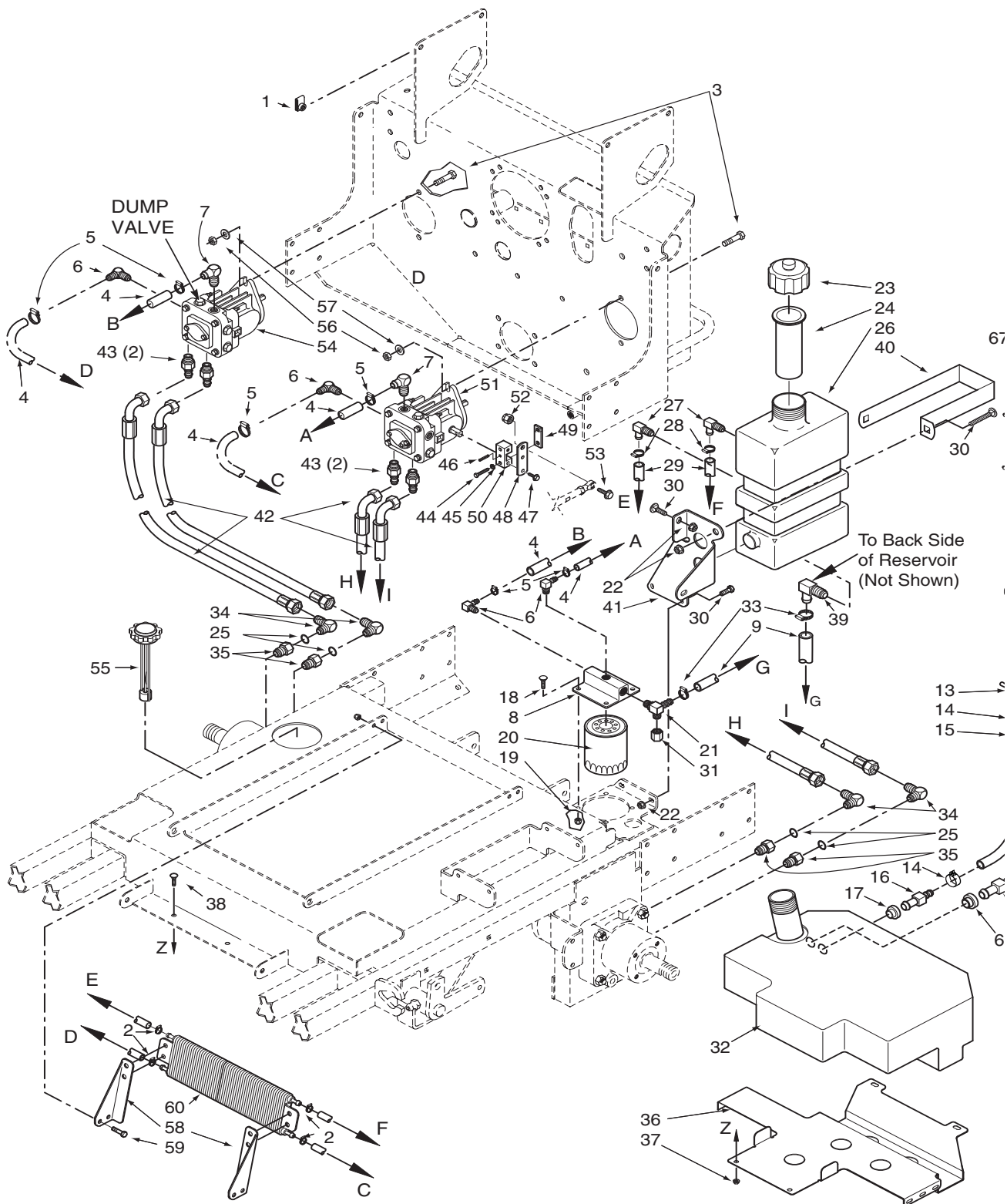
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FUEL AND HYDRAULIC SYSTEM

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1	04110-01 U-Nut 1/4-20	34	48350-05 Elbow, 90 Degree, 7/8-14 THD
2	48136-13 Hose Clamp, 0.69 dia.	35	48938-02 Bushing, 7/8-14 JIC x 3/4-16 O-Ring
3	04001-03 Bolt, Hex Head 1/4-20 x 2.0"	36	423701 Support Bracket, Fuel Tank
4	48811 Hose, 3/8" ID Pushlock - (order by inch)	37	04019-03 Nut, 5/16-18 Serrated Flange
5	48136-07 Clamp, Hose 1/2"	38	04003-02 Bolt, Carraige 1/4-20 x 3/4"
6	482266-01 Elbow, 90 Degree - 9/16 O-ring x 3/8 Hose	39	482574 Elbow, 90 Degree
7	482266-02 Elbow, 90 Degree - 3/4 O-ring x 3/8 Hose		482573 Bushing, .78 Dia. Viton
8	482417 Oil Filter Base	40	423513 Strap, Hydraulic Tank
9	482606 Hose Assembly, 1/2" ID (Tank to Filter Base)	41	423485 Support Bracket, Hydraulic Tank
10	** Fuel Hose to Carb.	42	481611 Hose Assembly, Pump
11	** Fuel Filter	43	48572-04 Union, 3/4-16 JIC x 3/4-16 O-ring
12	48058 Fuel Hose, 1/4" ID. (order by inch)	44	04001-59 Bolt, Hex Head, 1/4-20 x 1-14"
13	481308 Valve, Shutoff Kawasaki	45	04030-02 Lockwasher, 1/4" Spring
	481753 Valve, Shutoff Kohler	46	04060-09 Roll Pin, Spring 3/16 x 3/4"
14	48059-01 Clamp, Fuel Hose	47	04017-05 Bolt, Hex Serrated Flange, 1/4-20 x 3/4"
15	48058 Fuel Hose, 1/4" ID. (order by inch)	48	48136-13 Clamp, .69 Dia.
16	481602 Hose Fitting	49	422694 Clamp Plate, Pump Control
17	48309 Bushing	50	481793 Block, Pump Control
18	04001-09 Bolt, Hex Head 5/16-18 x1.0" Zinc	51	482695 Pump, Left Hand, BDP-16A-410
19	04019-03 Nut, Serrated Flange 5/16-18		483100 Pump, Left Hand, BDP-16A (31BV)
20	48758 Oil Filter	52	04021-09 Nut, Hex, Elastic Stop 3/8-16
21	482483 Tee, 3/4 O-ring x JIC x 1/2" Hose	53	04001-32 Bolt, Hex Head, 3/8-16 x 1-1/4
22	04021-08 Nut, Hex Elastic Stop 1/4-20	54	482696 Pump, Right Hand, BDP 16A-307
23	481164 Cap, Hydraulic Tank		483101 Pump, Right Hand, BDP-16A (31BV)
24	481507 Insert, Filler Neck	55	482497 Cap, Fuel Tank W/Guage
25	48603-02 O-Ring	56	04021-09 Nut, Hex Elastic Stop 3/8-16
26	461451 Oil Reservoir Assembly (includes 24, 27, 39)	57	04043-04 Flatwasher, 3/8" (.391 x .938 x .105) Grade 8
27	482572 Elbow, 90 Degree .38 Hose	58	423524 Mounting Bracket - LH, Oil Cooler
	482571 Bushing, .56 Dia. Viton		423944 Mounting Bracket - LH, Oil Cooler (31BV Only)
28	48136-13 Hose Clamp, 0.69 dia.		423525 Mounting Bracket - RH, Oil Cooler
29	48811 Hose, 3/8" ID, Pushlock (order by inch)		423945 Mounting Bracket - RH, Oil Cooler (31BV Only)
30	04010-10 Screw, Phillips Head, 1/4-20	59	04001-08 Bolt, Hex Head 5/16-18 x 3/4"
31	48571-02 Cap	60	482505 Cooler, Oil
32	461751 Fuel Tank Assembly (includes items 23 & 24)		
33	48136-05 Clamp, Hose		

** Available through the individual engine manufacturer.

FUEL AND HYDRAULIC SYSTEM - KAWASAKI 29DFI



Section 8

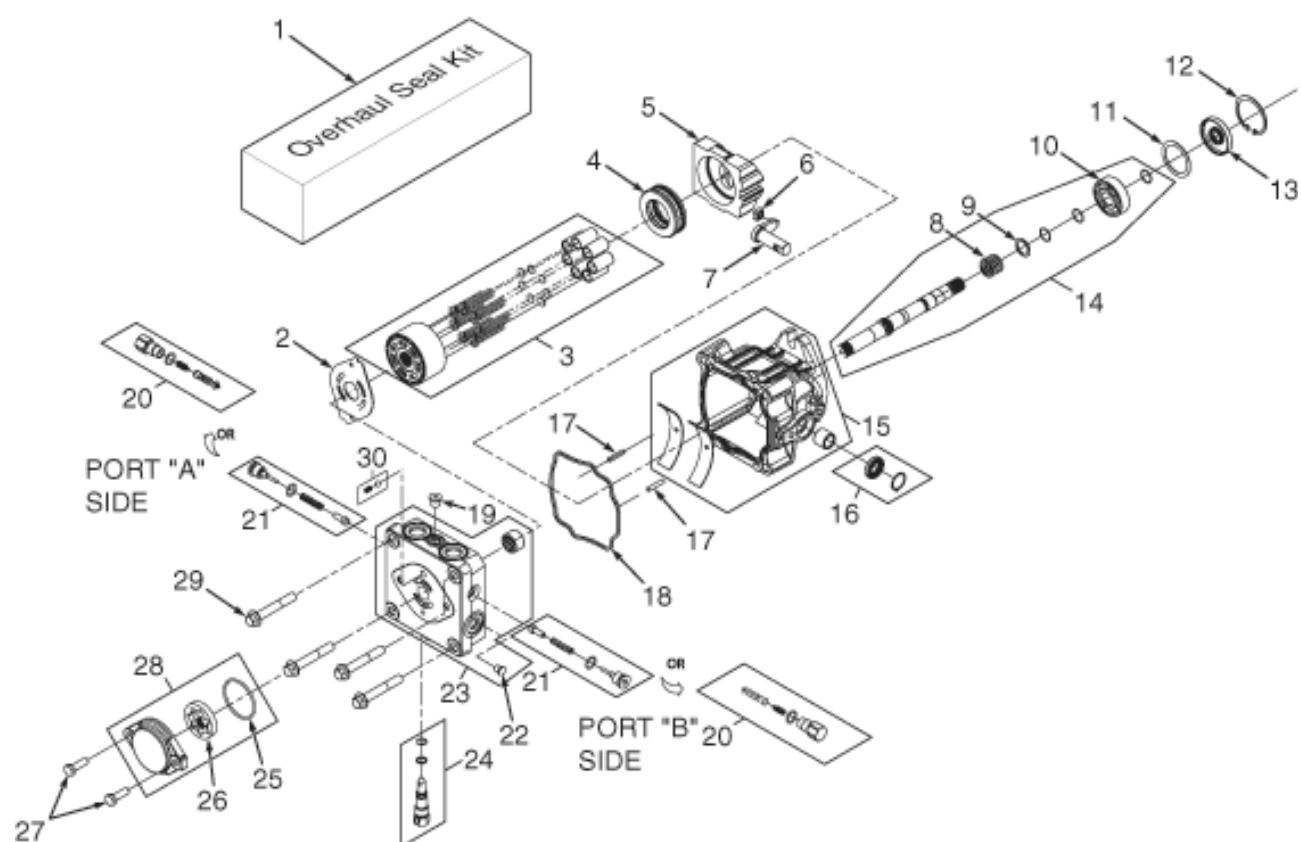


FUEL AND HYDRAULIC SYSTEM - KAWASAKI 29DFI

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1	04110-01 U-Nut 1/4-20	35	48938-02 Bushing, 7/8-14 JIC x 3/4-16 O-Ring
2	48136-13 Hose Clamp, 0.69 dia.	36	423701 Support Bracket, Fuel Tank
3	04001-03 Bolt, Hex Head 1/4-20 x 2.0"	37	04019-03 Nut, 5/16-18 Serrated Flange
4	48811 Hose, 3/8" ID Pushlock - (order by inch)	38	04003-02 Bolt, Carriage 1/4-20 x 3/4"
5	48136-07 Clamp, Hose 1/2"	39	482574 Elbow, 90 Degree
6	482266-01 Elbow, 90 Degree - 9/16 O-ring x 3/8 Hose		482573 Bushing, .78 Dia. Viton
7	482266-02 Elbow, 90 Degree - 3/4 O-ring x 3/8 Hose	40	423513 Strap, Hydraulic Tank
8	482417 Oil Filter Base	41	423485 Support Bracket, Hydraulic Tank
9	482606 Hose Assembly, 1/2" ID (Tank to Filter Base)	42	481611 Hose Assembly, Pump
10	48136-05 Clamp, .87 max Dia.	43	48572-04 Union, 3/4-16 JIC x 3/4-16 O-ring
11	** Fuel Filter, Kawasaki (p/n 49019-1055)	44	04001-59 Bolt, Hex Head, 1/4-20 x 1-14"
12	481178 Fuel Hose, 5/16" ID. (order by inch)	45	04030-02 Lockwasher, 1/4" Spring
13	481308 Valve, Shutoff Kawasaki	46	04060-09 Roll Pin, Spring 3/16 x 3/4"
14	48059-01 Clamp, Fuel Hose	47	04017-05 Bolt, Hex Serrated Flange, 1/4-20 x 3/4"
15	481178 Fuel Hose, 5/16" ID. (order by inch)	48	481178 Fuel Hose, 5/16" ID. (order by inch)
16	481312 Hose Fitting	49	422694 Clamp Plate, Pump Control
17	48309 Bushing	50	481793 Block, Pump Control
18	04001-09 Bolt, Hex Head 5/16-18 x 1.0" Zinc	51	483100 Pump, Left Hand, BDP-16A
19	04019-03 Nut, Serrated Flange 5/16-18	52	04021-09 Nut, Hex, Elastic Stop 3/8-16
20	48758 Oil Filter	53	04001-32 Bolt, Hex Head, 3/8-16 x 1-1/4
21	482483 Tee, 3/4 O-ring x JIC x 1/2" Hose	54	483101 Pump, Right Hand, BDP 16A
22	04021-08 Nut, Hex Elastic Stop 1/4-20	55	482497 Cap, Fuel Tank W/Guage
23	481164 Cap, Hydraulic Tank	56	04021-09 Nut, Hex Elastic Stop 3/8-16
24	481507 Insert, Filler Neck	57	04043-04 Flatwasher, 3/8" (.391 x .938 x .105) Grade 8
25	48603-02 O-Ring	58	423524 Mounting Bracket - LH, Oil Cooler
26	461451 Oil Reservoir Assembly (includes 24, 27, 39)		423525 Mounting Bracket - RH, Oil Cooler
27	482572 Elbow, 90 Degree .38 Hose	59	04001-08 Bolt, Hex Head 5/16-18 x 3/4"
	482571 Bushing, .56 Dia. Viton	60	482505 Cooler, Oil
28	48136-13 Hose Clamp, 0.69 dia.	61	48136-13 Clamp, .69 Dia.
29	48811 Hose, 3/8" ID, Pushlock (order by inch)	62	482702 Hose, Fuel Line (order by inch)
30	04010-10 Screw, Phillips Head, 1/4-20	63	** Adapter, 1/2" - 5/16" (p/n 59071-2141)
31	48571-02 Cap	64	48058 Hose, 1/4" Fuel Line (order by inch)
32	461586 Fuel Tank Assembly (incl. items 16, 17, 65, 66)	65	482703 Fitting, Hose
33	48136-05 Clamp, Hose	66	48309 Bushing
34	48350-05 Elbow, 90 Degree, 7/8-14 THD	67	** Fuel Pump, Kawasaki 29DFI
		68	481178 Fuel Hose, 5/16" ID. (order by inch)

** Available through the individual engine manufacturer.

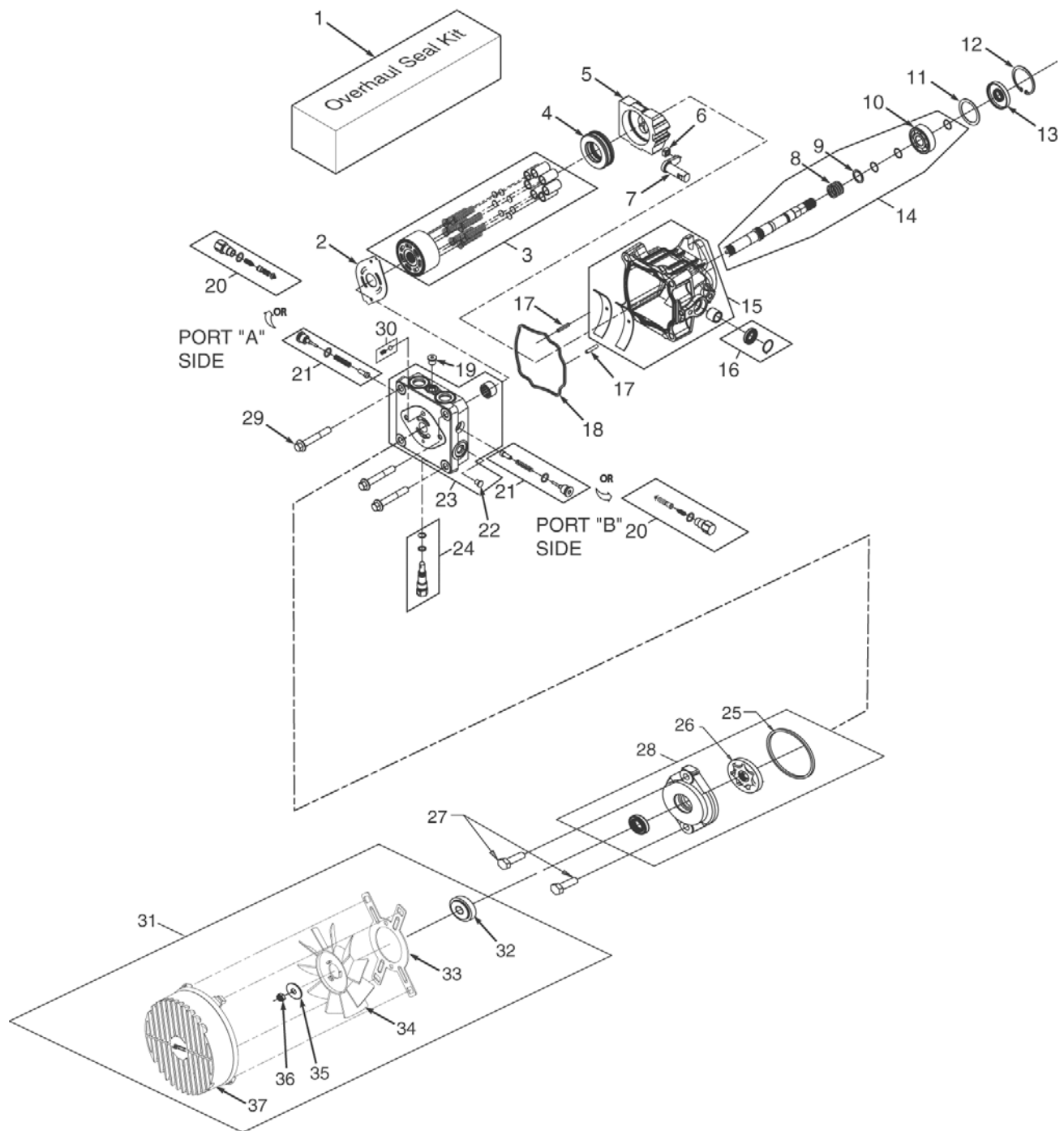
BDP-16A HYDRAULIC PUMP ASSEMBLY



BDP-16A HYDRAULIC PUMP ASSEMBLY

Ref. No.	Part No.	Description
1	HG70740	Overhaul Seal Kit
2	HG51455	Valve Plate
3	HG70735	Cylinder Block Kit - 16cc
4	HG51462	Thrust Ball Bearing Assembly
5	HG51436	Variable Swashplate
6	HG2000015	Slot Guide
7	HG2000014	Trunnion Arm
8	HG2000025	Block Spring
9	HG2000024	Block Thrust Washer
10	HG2000032	Shaft Ball Bearing
11	HG2000023	Spacer
12	HG2000038	Retaining Ring
13	HG51092	Seal
14	HG70581	Kit, Pump Shaft
15	HG70738	Housing Kit
16	HG70739	Trunnion Seal Kit
17	HG50641	Pin
18	HG51437	O-Ring
19	HG9005110-7500	Straight Thread Plug
20	HG70743	Shock Valve Kit (.031 Orifice)
21	HG70742	Shock Valve Kit (.024 Orifice)
22	HG9005200-7500	Straight Thread Plug
23	HG70736	End Cap Kit
24	HG2513030	Bypass Valve Kit
25	HG9004100-1430	O-Ring
26	HG50406	Gerotor Assembly (.19 cu.in./rev.)
27	HG50173	Socket Head Cap Screw (M8 x 1.25-25mm)
28	HG2510071	Charge Pump Kit (.19 STD. Splined)
29	HG51457	Hex Screw, Flanged Head (M10 x 1.50-65mm)
30	HG70402	Charge Relief Kit

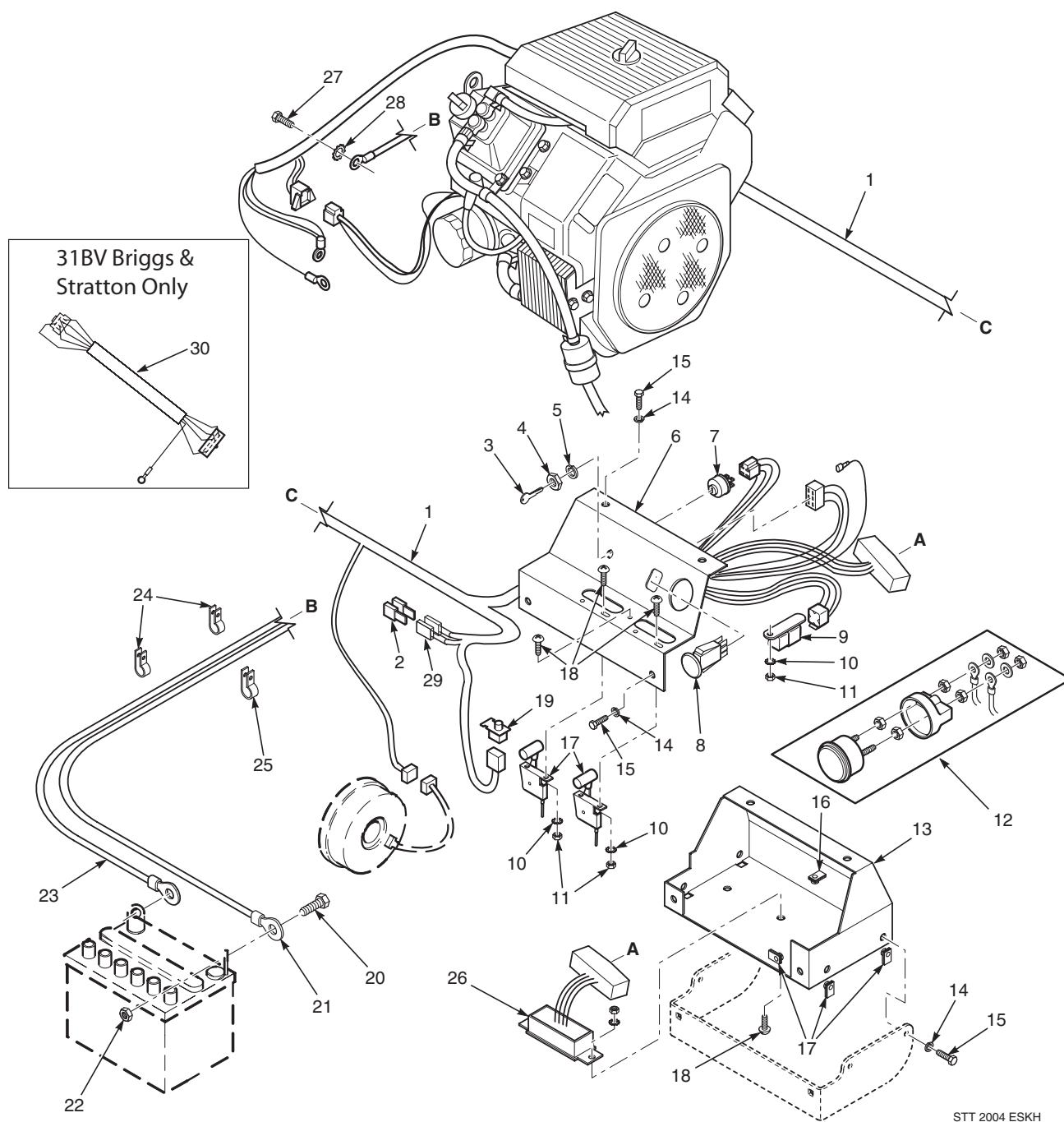
BDP-16A HYDRAULIC PUMP ASSEMBLY WITH COOLING FAN (29DFI & 31BV ONLY)



BDP-16A HYDRAULIC PUMP ASSEMBLY WITH COOLING FAN (29DFI & 31BV ONLY)

Ref. No.	Part No.	Description
1	HG70740	Overhaul Seal Kit
2	HG51455	Valve Plate
3	HG70735	Cylinder Block Kit - 16cc
4	HG51462	Thrust Ball Bearing Assembly
5	HG51436	Variable Swashplate
6	HG2000015	Slot Guide
7	HG2000014	Trunnion Arm
8	HG2000025	Block Spring
9	HG2000024	Block Thrust Washer
10	HG2000032	Shaft Ball Bearing
11	HG2000023	Spacer
12	HG2000038	Retaining Ring
13	HG51092	Seal
14	HG70578	Kit, Pump Shaft (keyed thru taper)
15	HG70738	Housing Kit
16	HG70739	Trunnion Seal Kit
17	HG50641	Pin
18	HG51437	O-Ring
19	HG9005110-7500	Straight Thread Plug
20	HG70743	Shock Valve Kit (.031 Orifice)
21	HG70742	Shock Valve Kit (.024 Orifice)
22	HG9005200-7500	Straight Thread Plug
23	HG70736	End Cap Kit
24	HG2513030	Bypass Valve Kit
25	HG9004100-1430	O-Ring
26	HG50406	Gerotor Assembly (.19 cu.in./rev.)
27	HG50173	Socket Head Cap Screw (M8 x 1.25-25mm)
28	HG70924	Charge Pump Kit (.19 STD. Splined)
29	HG51457	Hex Screw, Flanged Head (M10 x 1.50-65mm)
30	HG70402	Charge Relief Kit
31	HG70916	Fan Kit (incl. items 32, 33, 34, 35, 36, 37)
32	HG51348	Hub
33	HG52016	Bracket, Shroud
34	HG52014	Fan
35	HG51389	Washer
36	HG50108	Nut
37	HG52029	Shroud

ELECTRICAL SYSTEM (KOHLER & 31BV)

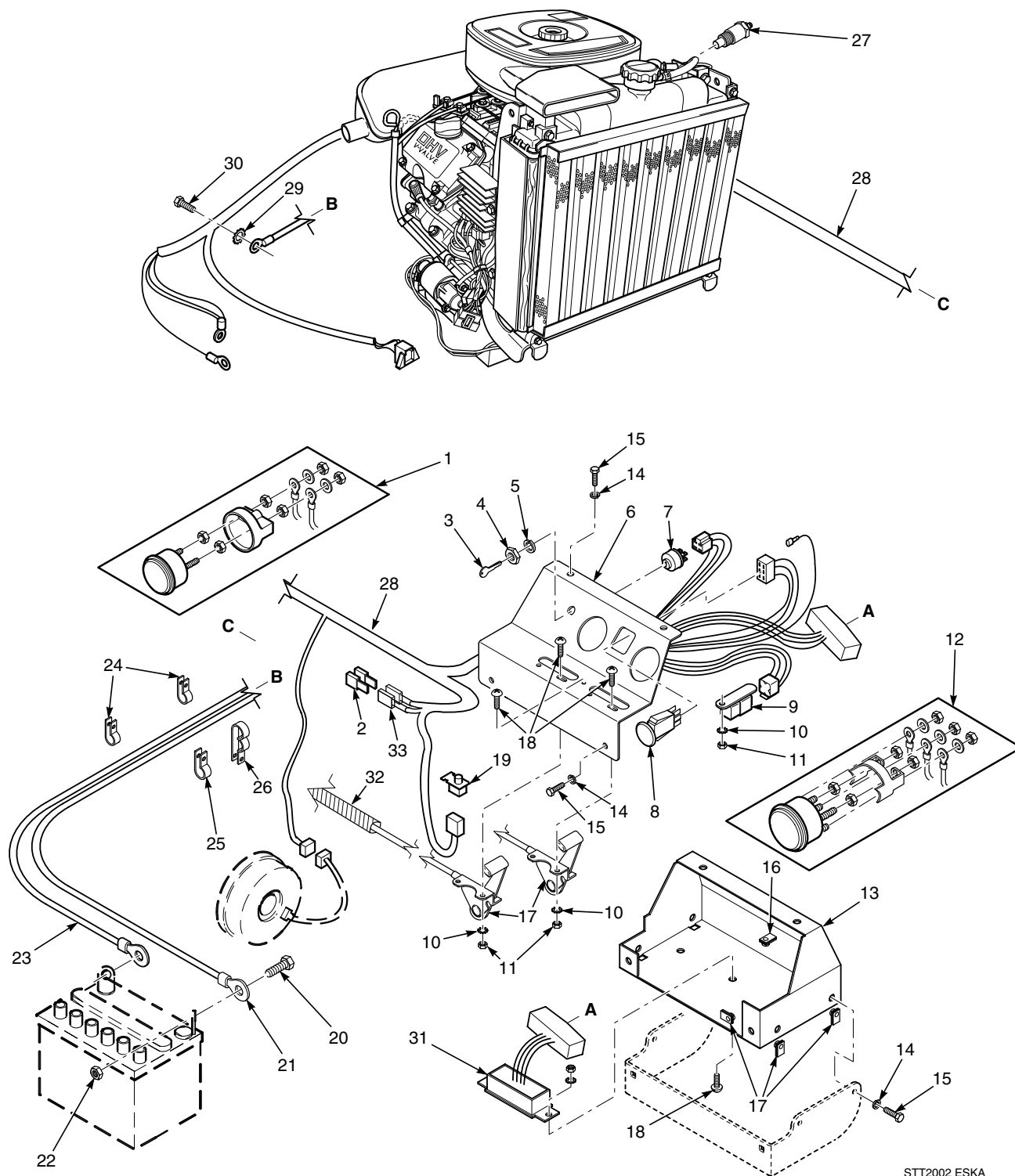


STT 2004 ESKH

ELECTRICAL SYSTEM (KOHLER & 31BV)

Ref. No.	Part No.	Description
1	483055	Wire Harness, STT Air Cooled
2	48298	Fuse, 20 AMP
3	48017-02	Key & Ring Assembly
4	48017-04	Nut, Hex 5/8-32
5	48017-03	Lockwasher, 5/8" Internal
6	424027	Instrument Panel, Top w/Decals
7	48798	Key Switch
8	481687	Switch, PTO
9	483013	Relay
10	04031-01	Lockwasher, #10 External Tooth
11	04020-01	Nut, Hex #10-32
12	481755	Ammeter
13	451081	Base, Instrument Panel
14	04030-02	Lockwasher, 1/4"
15	04001-01	Bolt, Hex Head 1/4-20 x 3/4"
16	04110-01	U-Nut, 1/4-20
17	481544	Throttle And Choke Controls (Kohler)
	481662	Throttle And Choke Controls (31BV Briggs & Stratton)
18	04010-01	Screw, Phillips Washer Head #10-32 x 1/2"
19	481638	Switch, Interlock-Seat
20	04001-44	Bolt, Hex Head 1/4-20 x 1/2"
21	48029-22	Cable, Battery - Red
22	04020-02	Nut, Hex 1/4-20
23	48029-11	Cable, Battery - Black
24	48030-09	Clamp, Cable 1/2" ID.
25	48136-05	Clamp, Cable 3/4" ID.
26	483029	Electronic Module
27	04002-12	Bolt, Hex Head M8-1.25 x 20
28	04031-03	Lockwasher, 5/16" External Tooth
29	48430	Fuse Holder w/Fuse and Connector
	482588	Clip, Fuse Holder
30	482849	Wire Harness Adapter 31BV (Briggs & Stratton Only)

ELECTRICAL SYSTEM (27HP KAWASAKI)

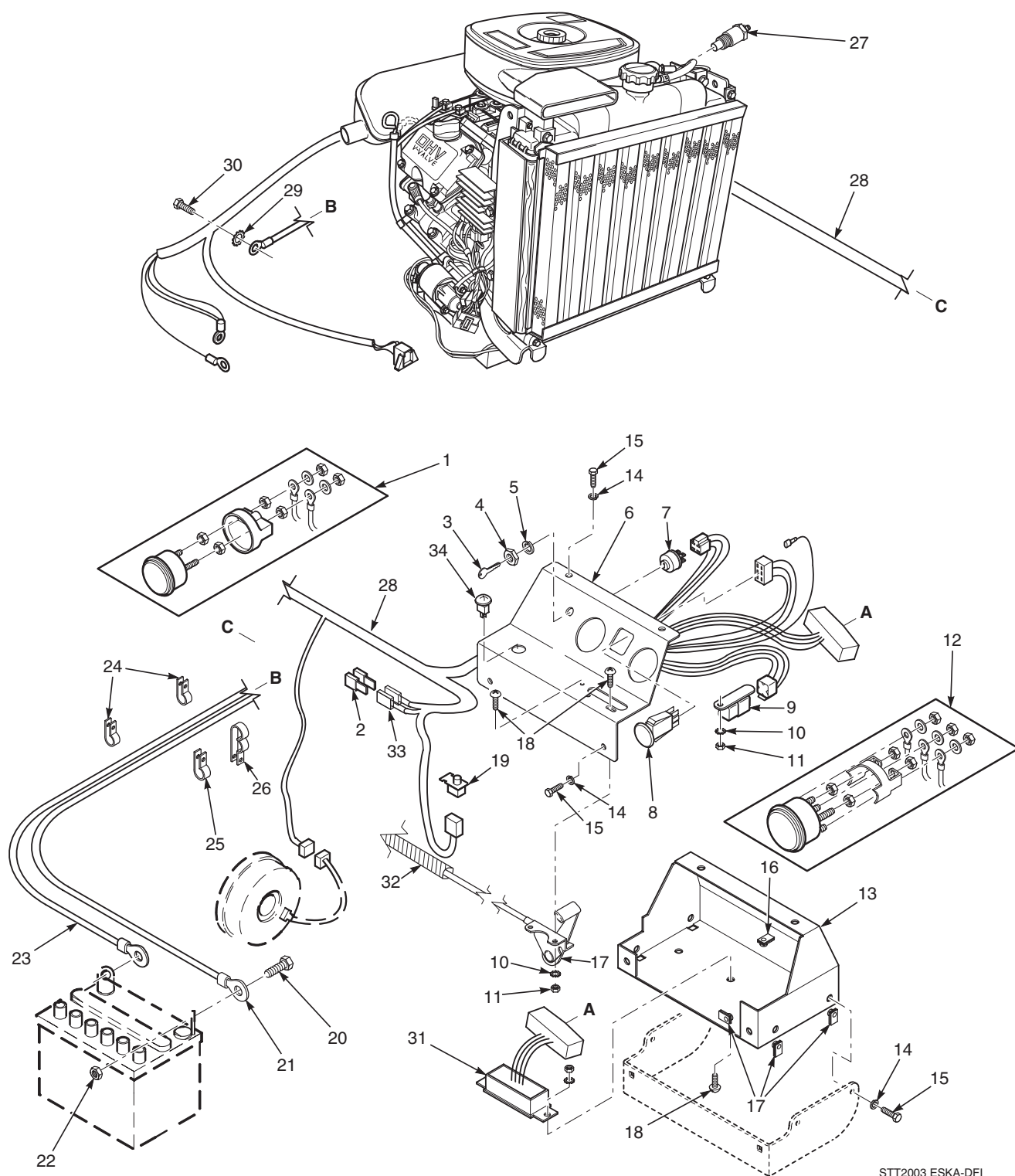


STT2002 ESKA

ELECTRICAL SYSTEM (27HP KAWASAKI)

Ref. No.	Part No.	Description
1	481755	Ammeter
2	48298	Fuse, 20 AMP
3	48017-02	Key & Ring Assembly
4	48017-04	Nut, Hex 5/8-32
5	48017-03	Lockwasher, 5/8" Internal
6	424027	Instrument Panel, Top w/Decals
7	48798	Key Switch
8	481687	Switch, PTO
9	483013	Relay
10	04031-01	Lockwasher, #10 External Tooth
11	04020-01	Nut, Hex #10-32
12	481183	Water Temp. Gauge (STT - KA Only)
13	451081	Base, Instrument Panel
14	04030-02	Lockwasher, 1/4"
15	04001-01	Bolt, Hex Head 1/4-20 x 3/4"
16	04110-01	U-Nut, 1/4-20
17	481662	Throttle And Choke Controls
18	04010-01	Screw, Phillips Washer Head #10-32 x 1/2"
19	481638	Switch, Interlock-Seat
20	04001-44	Bolt, Hex Head 1/4-20 x 1/2"
21	48029-06	Cable, Battery - Red
22	04020-02	Nut, Hex 1/4-20
23	48029-11	Cable, Battery - Black
24	48030-09	Clamp, Cable 1/2" ID.
25	48136-05	Clamp, Cable 3/4" ID.
26	48030-11	Clamp, Cable
27	481670	Sending Unit, Water Temp.
28	483054	Wire Harness, STT Liquid Cooled
29	04031-03	Lockwasher, 5/16" External Tooth
30	04002-12	Bolt, Hex Head M8-1.25 x 20
31	483029	Electronic Module
32	481945-01	Heatshield, Flexible
33	48430	Fuse Holder w/Fuse and Connector
	482588	Clip, Fuse Holder

ELECTRICAL SYSTEM (29HP-DFI KAWASAKI)

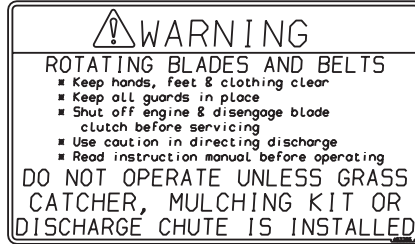


ELECTRICAL SYSTEM (29HP-DFI KAWASAKI)

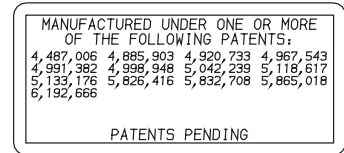
Ref. No.	Part No.	Description
1	481755	Ammeter
2	48298	Fuse, 20 AMP
3	48017-02	Key & Ring Assembly
4	48017-04	Nut, Hex 5/8-32
5	48017-03	Lockwasher, 5/8" Internal
6	424027	Instrument Panel, Top w/Decals
7	48798	Key Switch
8	481687	Switch, PTO
9	48788	Relay
10	04031-01	Lockwasher, #10 External Tooth
11	04020-01	Nut, Hex #10-32
12	481183	Water Temp. Gauge (STT - KA Only)
13	451081	Base, Instrument Panel
14	04030-02	Lockwasher, 1/4"
15	04001-01	Bolt, Hex Head 1/4-20 x 3/4"
16	04110-01	U-Nut, 1/4-20
17	481662	Throttle Controls
18	04010-01	Screw, Phillips Washer Head #10-32 x 1/2"
19	481638	Switch, Interlock-Seat
20	04001-44	Bolt, Hex Head 1/4-20 x 1/2"
21	48029-06	Cable, Battery - Red
22	04020-02	Nut, Hex 1/4-20
23	48029-11	Cable, Battery - Black
24	48030-09	Clamp, Cable 1/2" ID.
25	48136-05	Clamp, Cable 3/4" ID.
26	48030-11	Clamp, Cable
27	481670	Sending Unit, Water Temp.
28	483056	Wire Harness, STT Liquid Cooled Digital Fuel Injection (DFI)
29	04031-03	Lockwasher, 5/16" External Tooth
30	04002-12	Bolt, Hex Head M8-1.25 x 20
31	483029	Electronic Module
32	481945-01	Heatshield, Flexible
33	48430	Fuse Holder w/Fuse and Connector
34	481182	Indicator Light, Check Engine



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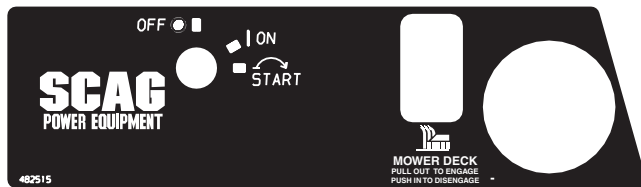
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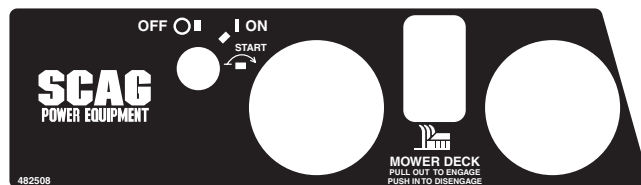
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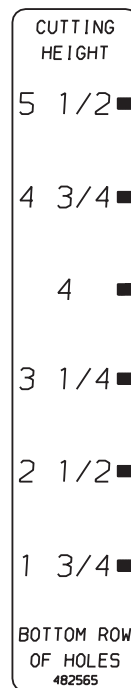
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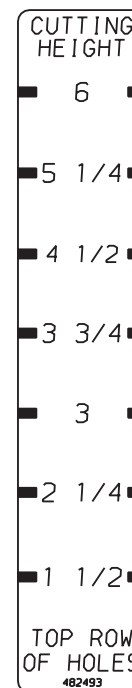
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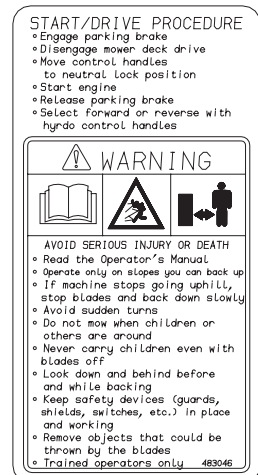
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REPLACEMENT DECALS AND INFORMATION PLATES

Ref. No.	Part No.	Description
1	482285	Decal, Danger-Spinning Blades
2	482286	Decal, Warning-Rotating Blades
3	481954	Decal, 52 Advantage
	481955	Decal, 61 Advantage
	481956	Decal, 72 Advantage
4	482290	Decal, Fuel Tank
5	483044	Decal, Patents
6	481568	Decal, Traction Control
7	481971	Decal, Heavy Duty Commercial
8	48404	Decal, Metalcraft-Made In USA
9	481039	Decal, Belt Cover
10	482515	Decal, Instrument Panel-Upper (Air Cooled)
11	482508	Decal, Instrument Panel-Upper (Kawasaki)
12	482983	Decal, Instrument Panel-Lower
13	482565	Decal, Cutting Height - Lower
14	483046	Decal, Start/Drive Procedure
15	482710	Decal, Seat Support
16	482577	Decal, Turf Tiger
17	481570	Decal, Turf Tiger
18	481664	Decal, Stripes-RH
19	481663	Decal, Stripes-LH
20	481694	Decal, Tiger
21	482165	Decal, Warning
22	482493	Decal, Cutting Height - Upper
23	482984	Decal, Instrument Panel - Lower (Kawasaki 29HP-DFI only)
24	482834	Decal, ROPS

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 CCW. If wheel rotates rearward, adjust turnbuckle CW. 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 pumps 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.

IMPORTANT

Gearbox Lubricant: SAE 80W90 gear oil

IMPORTANT DRIVESHAFT MAINTENANCE

Grease yokes 3-4 pumps Every 200 hours

Grease spline 8-10 pumps Every 50 hours

482710

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SCAG

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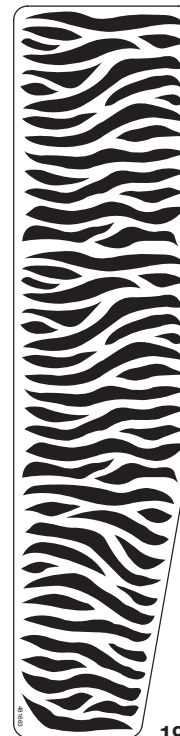
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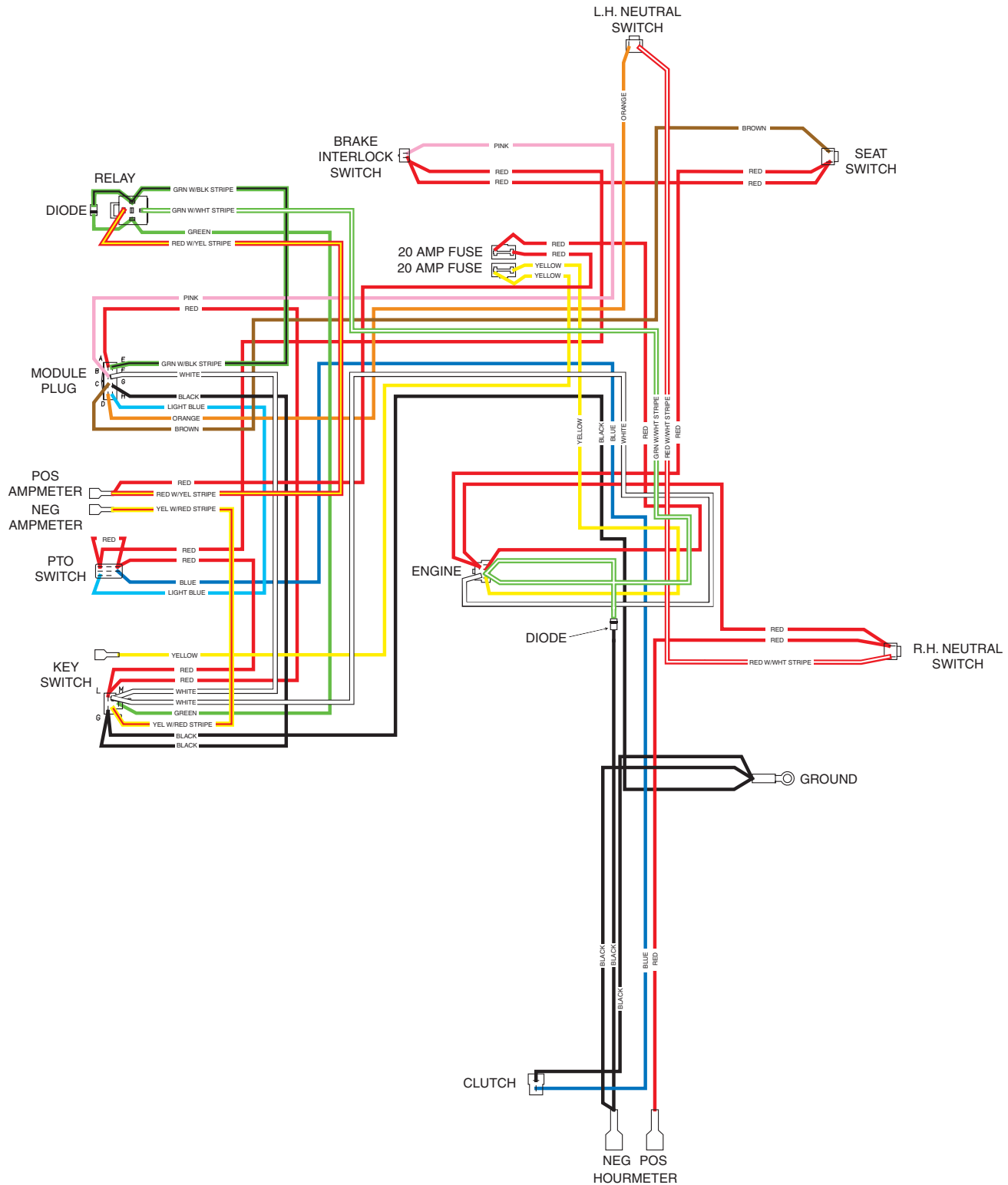


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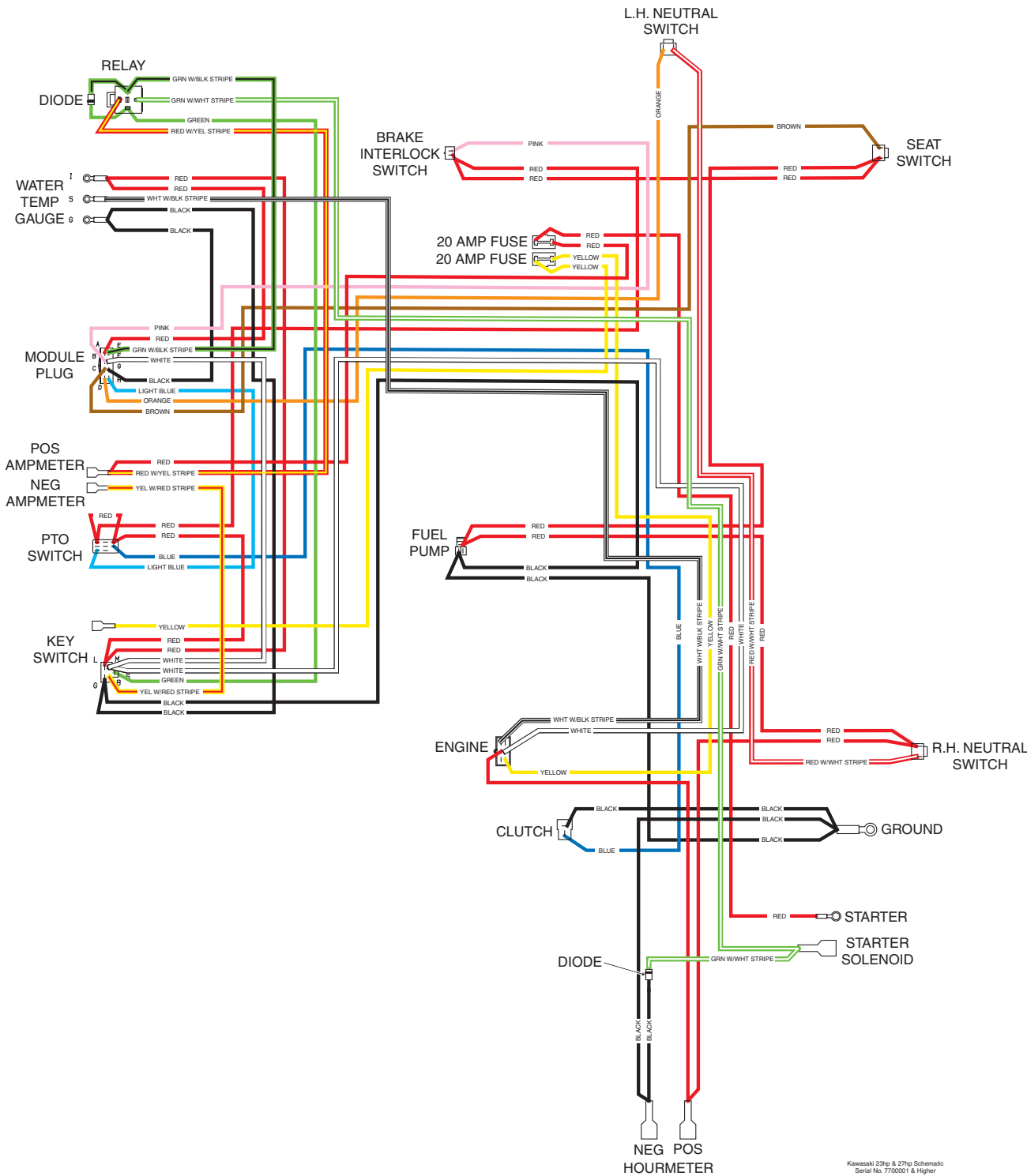
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STT ELECTRICAL SCHEMATIC (KOHLER)

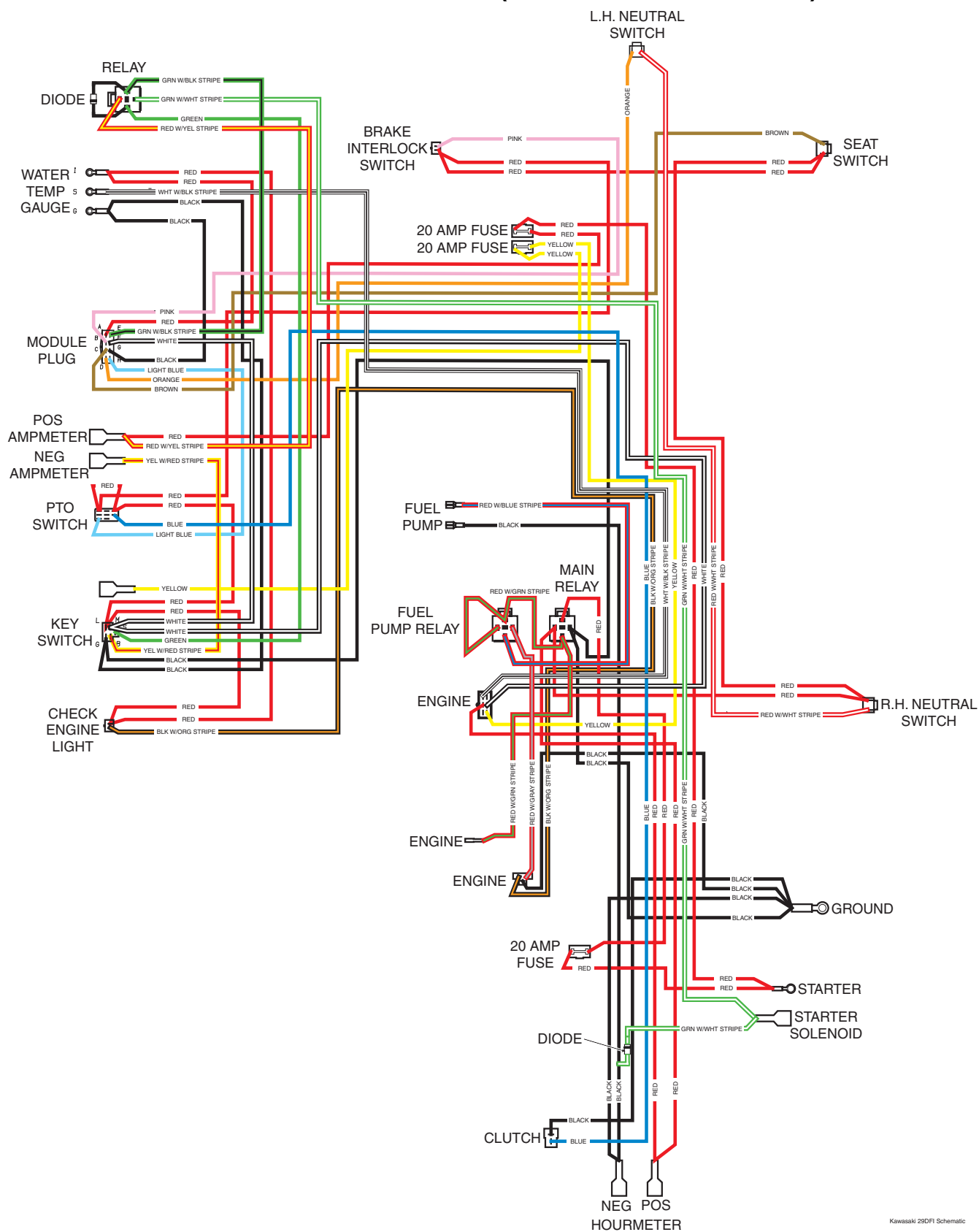


Kohler STT Schematic
Serial No. 7700001 & Higher

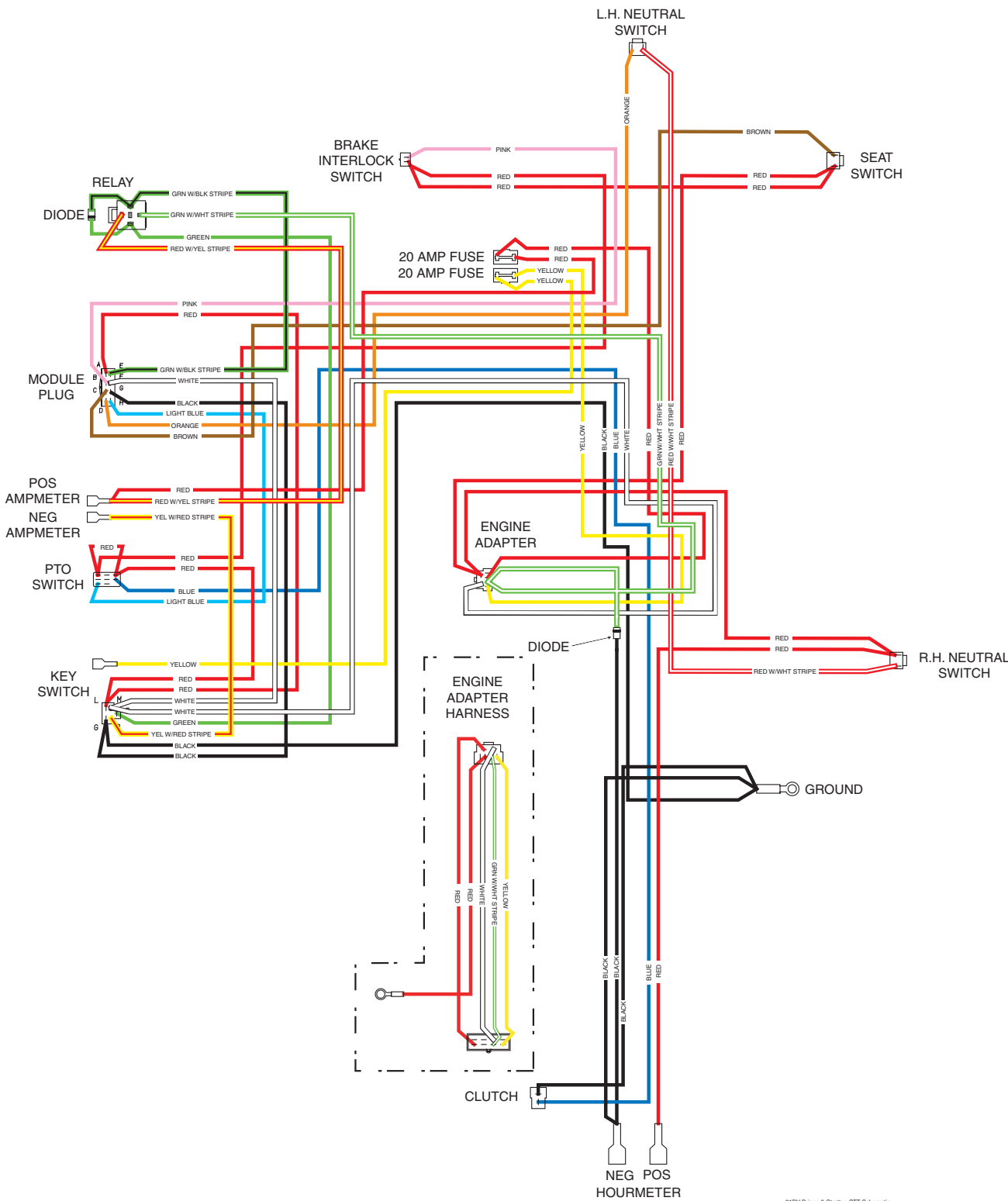
STT ELECTRICAL SCHEMATIC (27HP KAWASAKI)



ELECTRICAL SCHEMATIC (KAWASAKI 29HP - DFI)



ELECTRICAL SCHEMATIC (BRIGGS & STRATTON 31BV)



31BV Briggs & Stratton STT Schematic