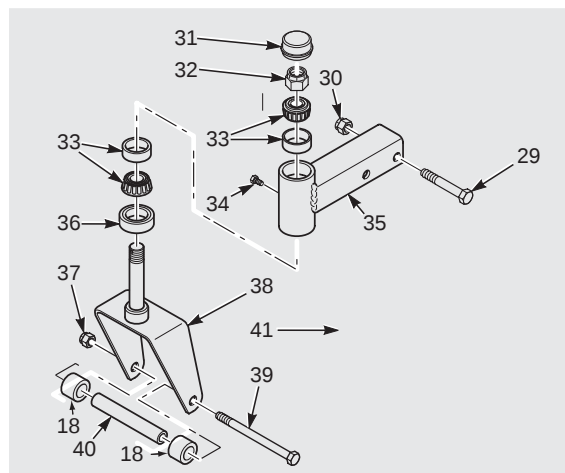


SCAG[®]

POWER EQUIPMENT



MODEL STC

ILLUSTRATED PARTS LIST

This manual covers the illustrated parts list for:

STC48A-19KA	with a serial number of 9250001 to 9259999
STC48A-20CV	with a serial number of 9260001 to 9269999
STC48A-21KA	with a serial number of 9280001 to 9289999
STC52A-23KA	with a serial number of 9290001 to 9299999
STC52A-24HN	with a serial number of 9300001 to 9309999
SMTC-48A	with a serial number of 9320001 to 9329999
SMTC-52A	with a serial number of 9330001 to 9339999

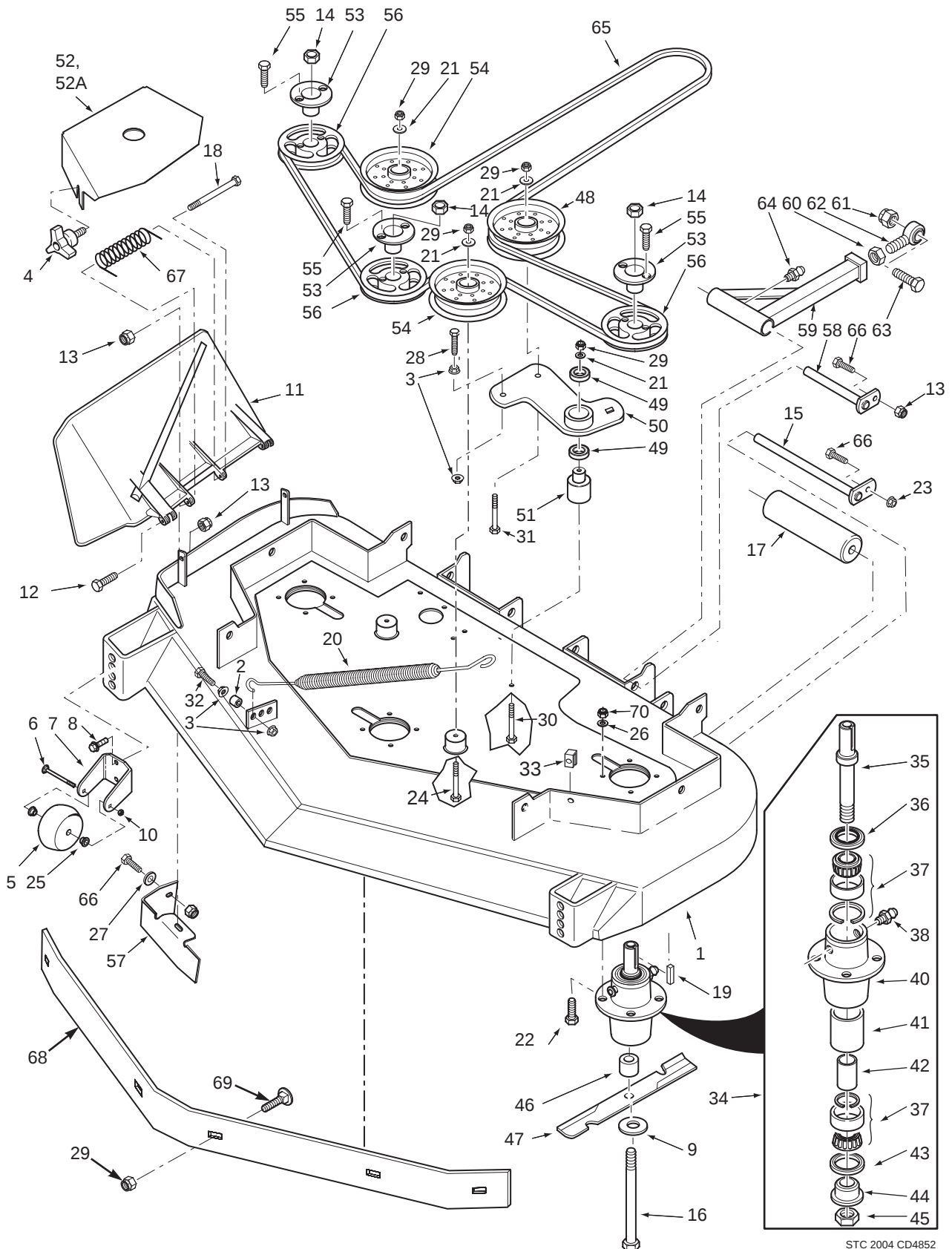
NOTES



ILLUSTRATED PARTS LIST TABLE OF CONTENTS

SUBJECT	PAGE
48A, 52A Cutter Deck	2-3
Cutter Deck Controls	4-5
Sheet Metal Components	6-7
Drive System Components	8-9
Engine and Attaching Parts - Kawasaki & Kohler	10-11
Engine and Attaching Parts - Honda	12-13
Steering Components	14-15
Brake Components	16-17
Fuel and Hydraulic System	18-19
Electrical System	20-21
Hydraulic Pump Assembly (BDP-10A)	22-23
Replacement Decals	24-25
Electrical Schematic (Kawasaki, Kohler & Honda)	26

48A" & 52A" CUTTER DECKS

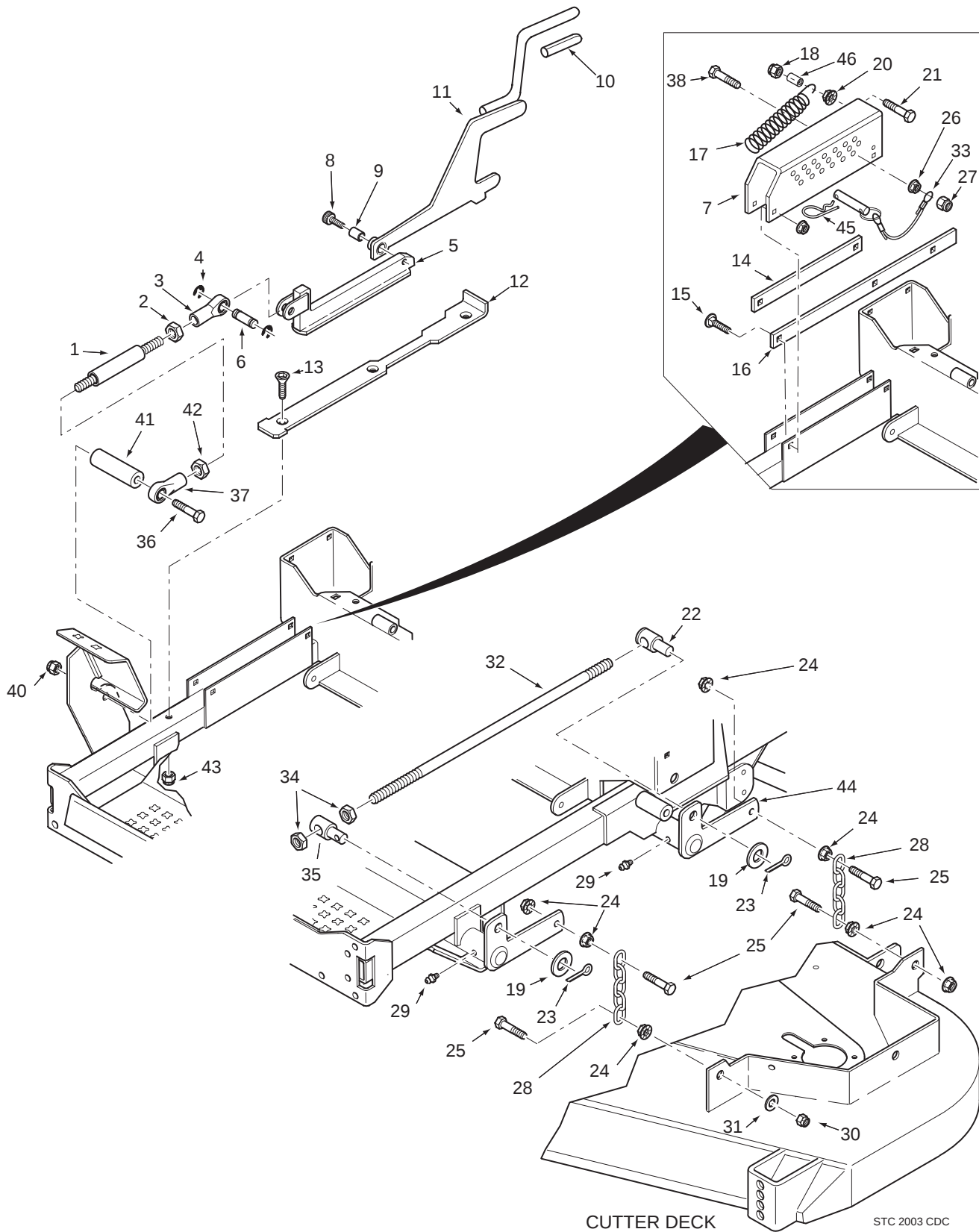


STC 2004 CD4852

48A" & 52A" CUTTER DECKS

Ref. Part No. No.	Description	48 52	Ref. Part No. No.	Description	48 52
1 461642	Cutter Deck Advantage	x	41 43312	Spacer, Outside	x x
461651	Cutter Deck Advantage	x	42 43296	Spacer, Inside	x x
2 43063	Spacer	x x	43 481025	Seal, Lower	x x
3 04019-04	Nut, 3/8-16 Serrated Flange	x x	44 43297	Bushing, Bottom	x x
4 481625-01	Wing Nut, 3/8-16	x x	45 481035	Nut, Special 1-1/16 - 18	x x
5 481632	Anti-Scalp Wheel	x x	46 43590	Spacer, Spindle	x x
6 04003-26	Bolt, Carriage 3/8-16 x 4"	x x	47 482877	Cutter Blade 16.5"	x
7 422478	Bracket, Anti-Scalp Wheel	x x	482878	Cutter Blade 18"	x
8 04017-27	Bolt, Serrated Flange 3/8-16 x 1"	x x	48 482783	Pulley, Idler 5" Dia	x x
9 04043-06	Flatwasher, 5/8" Hardened	x x	49 48224	Bearing	x x
10 04021-05	Locknut, 3/8-16 Center Lock	x x	50 461632	Idler Arm Assy.	x x
11 461295	Discharge Chute	x x	51 43503	Idler Pivot	x x
12 04001-11	Bolt, Hex Head 5/16-18 x 1-1/2", Rear	x x	52 423604	Belt Cover LH (48A)	x
04001-12	Bolt, Hex Head 5/16-18 x 1-3/4", Front	x x	52A 423605	Belt Cover RH (48A)	x
13 04021-10	Nut, Elastic Stop 5/16-18	x x	52 423606	Belt Cover LH (52A)	x
14 04020-09	Nut, 5/8-11 UNC	x x	52A 423607	Belt Cover RH (52A)	x
15 45944	Shaft, Roller	x x	53 48926	Hub, Tapered 1-1/8" Bore	x x
16 04001-41	Bolt, Hex Head 5/8-11 x 9-1/2"	x x	54 482416	Pulley, Idler 5.0"	x x
17 48038	Roller, Rear	x x	55 04001-172	Bolt, Hex Head 1/4-20 x 1" Grade 8	x x
18 04001-154	Bolt, Hex Head 5/16-18 x 4-3/4"	x x	56 482646	Pulley 4.75"	x
19 04063-08	Key, 1/4 x 1/4 x 2"	x x	482647	Pulley 5.35"	x
20 482797	Spring, Idler	x x	57 423878	Turbo Baffle, Bolt On	x
21 04043-04	Flatwasher, 3/8"	x x	423879	Turbo Baffle Bolt On	x
22 04001-176	Bolt, Hex Head 5/16-18 x 1-3/4" Grade 8	x x	58 451240	Push Arm Shaft	x x
23 04019-03	Nut, Serrated Flange 5/16-18	x x	59 461516	Push Arm (Includes 64,60,62)	x x
24 04001-51	Bolt, Hex Head 3/8-16 x 3-3/4"	x x	60 04020-16	Nut, 5/8-18 UNF	x x
25 48100-15	Bushing, .376 ID Oilite	x x	61 04021-13	Nut, Elastic Stop 5/8-11	x x
26 04030-03	Lockwasher 5/16"	x x	62 48763	Rod End, 5/8 Male RH Thread	x x
27 04040-15	Flatwasher 5/16"	x x	63 04001-79	Bolt, Hex Head 5/8-11 x 4-1/2"	x x
28 04001-136	Bolt, 3/8-16 x 1-1/2" Grade 8	x x	64 48114-04	Grease Fitting, 90 Degree	x x
29 04021-09	Nut, Elastic Stop 3/8-16	x x	65 482529	Belt, Cutter Deck Drive (48A")	x
30 04001-31	Bolt, Hex Head 3/8-16 x 2-1/2"	x x	482530	Belt, Cutter Deck Drive (52A")	x
31 04001-62	Bolt, Hex Head 3/8-16 x 3.25"	x x	04001-09	Bolt, Hex Head 5/16-18 x 1"	x x
32 04001-136	Bolt, Hex Head 3/8-16 x 1-1/2 Grade 8	x x	67 482245	Spring, Discharge Chute	x x
33 04110-03	U-Nut, 3/8-16	x x	68 423786	Baffle Weldment, 48A	x
34 461663	Spindle Assembly	x x	423803	Baffle Weldment, 52A	x
35 43589	Shaft, Spindle	x x	69 04003-23	Bolt, Carriage 3/8-16 x 1"	x x
36 481024	Seal Upper	x x	70 04021-22	Nut, Elastic Stop 5/16-18 Grade 8	x x
37 481022	Bearing Assembly	x x			
38 48114-04	Grease Fitting	x x			
39 48677	Valve, Grease Relief	x x			
40 43644	Housing, Spindle	x x			

CUTTER DECK CONTROLS

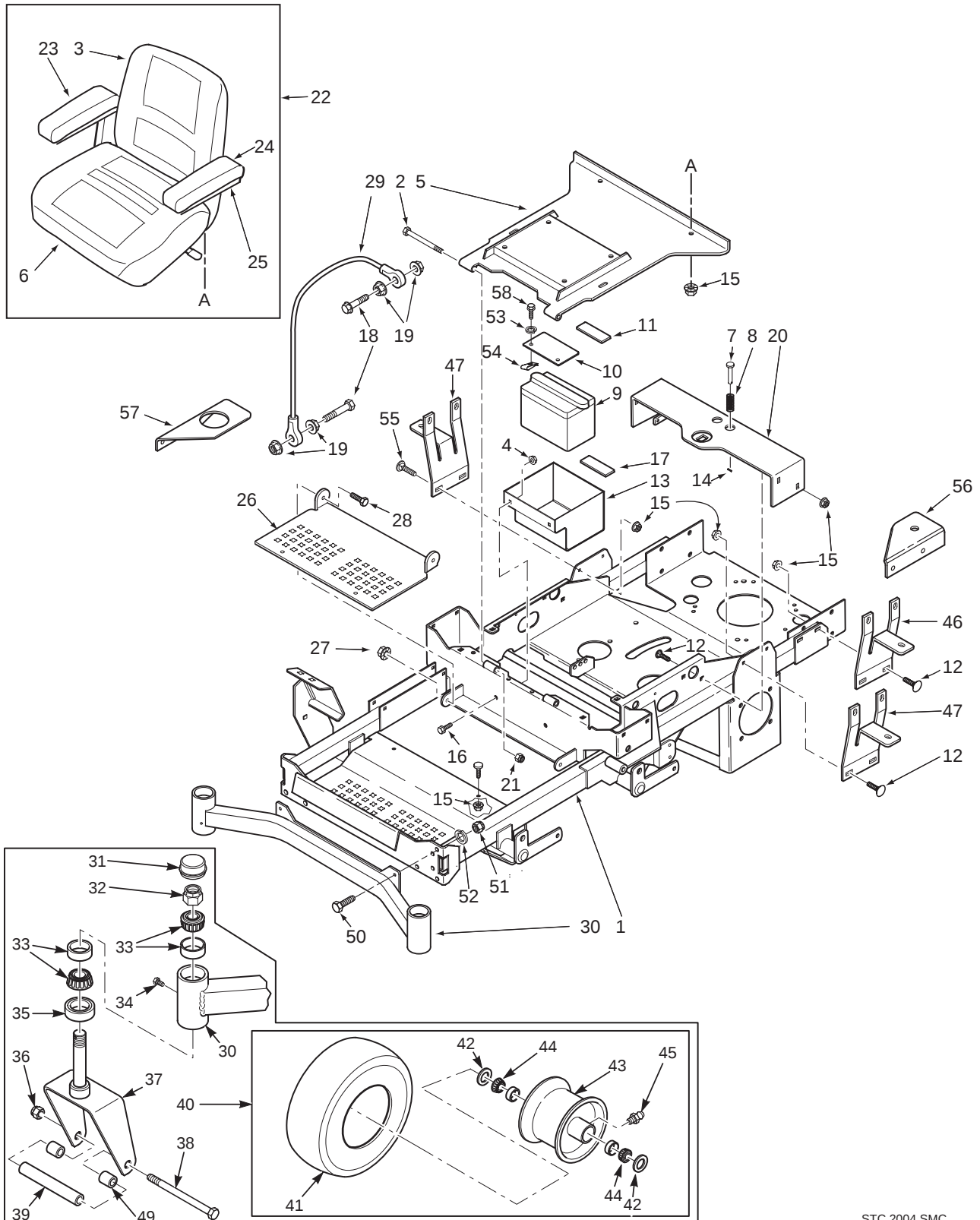


CUTTER DECK CONTROLS

Ref. No.	Part No.	Description
1	482624	Rod, Deck Lift Linkage
2	04020-28	Nut, Jam 1/2-20 LH Thread
3	481766	Rod End, 1/2-20 Female Thread
4	04050-10	Retaining Ring, 1/2" External "E"
5	482429	Slide, Deck Height Adjust
6	43487	Pin, Deck Lift
7	423463	Bracket, Cutting Height Adjustment
8	04009-02	Bolt, Shoulder 1/2-3/4"
9	48100-14	Bushing .502 ID
10	482707	Grip, Deck Latch Lever
11	461624	Lever, Deck Latch (Includes 9 &10)
12	422346	Slide, Cutting Height
13	04014-03	Screw, Cap 5/16-18 x 3" FHHS
14	422381	Guide, Short
15	04003-04	Bolt, Carriage 5/16-18 x 1"
16	422380	Guide, Long
17	481598	Spring, Helper
18	04021-05	Nut, 3/8-16 Center Lock
19	04040-09	Flatwasher, 5/8-.656 x 1.312 x .095
20	04019-04	Nut, 3/8-16 Serr. Flange
21	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"
22	43611	Swivel Joint LH
23	04061-07	Cotter Pin, 3/16 x 1"
24	04019-04	Nut, Serr. Flange 3/8-16
25	04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
26	04019-04	Nut, Serr. Flange 3/8-16
27	04021-09	Nut, Elastic Stop 3/8-16
28	48540	Chain
29	48114-04	Grease Fitting, 1/4-28 Self Tap
30	04021-09	Nut, Elastic Stop 3/8-16
31	04041-07	Flatwasher, 3/8-.391 x .938 x .105
32	04004-45	Stud, 1/2-13 x 20"
33	481547	Lanyard Pin
34	04020-07	Nut, 5/8-11 UNC
35	43612	Swivel Joint RH
36	04001-155	Bolt, Hex Head 1/2-13 x 5"
37	481765	Rod End, 1/2-20 Female RH Thread
38	04001-77	Bolt, Hex Head 3/8-16 x 3-1/2"
39	43572	Spacer
40	04021-02	Lock Nut, 1/4-20
41	43557	Spacer
42	04020-27	Nut, 1/2-20 UNF-2B
43	04021-10	Nut, Elastic Stop 5/16-18
44	45904	Lift Bellcrank Weldment, LH Rear
	45905	Lift Bellcrank Weldment, RH Rear
	04041-14	Flatwasher, 1.0-1.062 x 1.5 x .048
	04050-08	Retaining Ring, 1" ext.
45	04062-04	Hair Pin Cotter, .177 x 3-1/4"

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

SHEET METAL COMPONENTS

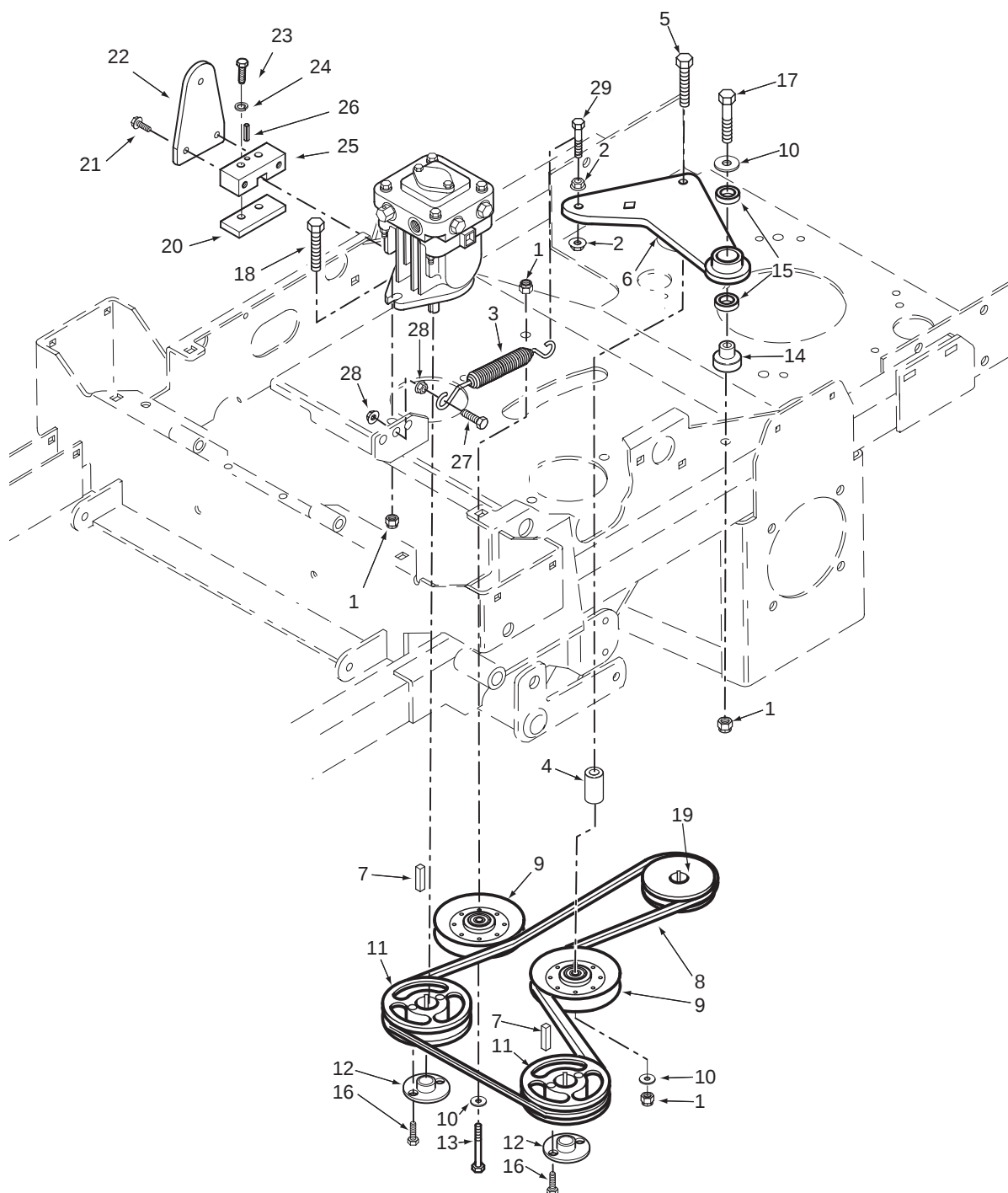


STC 2004 SMC

SHEET METAL COMPONENTS

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	461700	Main Frame Assembly w/decals	29	48566	Cable, Seat Stop
2	04001-73	Bolt, Hex Head 5/16-18 x 3-3/4"	30	451470	Weldment, Caster Support
3	482632	Cushion, Back	31	481559	Cap, Grease
4	04019-04	Nut, Serr. Flange 3/8-16	32	04021-20	Nut, Elastic Stop 1.0-14
5	451461	Plate, Seat Mounting	33	48668	Bearing Set
6	482111	Cushion, Lower Seat	34	482028-01	Plug, 1/4-28
7	43462	Pin Retainer, Spring	35	481025	Seal, 2.0" OD x 1.625" ID
8	481389	Spring	36	04021-07	Nut, Elastic Stop 1/2-13
9	**	Battery (not available through Scag)	37	451471	Yoke, Front Caster Wheel
10	423571	Battery Cover	38	04001-134	Bolt, Hex Head 1/2-13 x 7-1/2"
11	482553	Battery Hold Down Pad	39	43581	Sleeve
12	04003-12	Bolt, Carr. 5/16-18 x 3/4"	40	482503	Caster Wheel Assembly (Incl. 41 thru 45)
13	423556	Battery Box	41	481613	Tire, 13 x 5.0-6 Smooth
14	04060-01	Roll Pin, Spring 5/32 x 3/4"	42	482622	Seal
15	04019-03	Nut, Serr. Flange 5/16-18	43	482625	Rim (Includes Item 45)
16	04001-19	Bolt, Hex Head 3/8-16 x 1"	44	482621	Roller Bearing
17	482552	Pad, Rubber	45	48114-04	Fitting, Grease
18	04001-59	Bolt, Hex Head 1/4-20 x 1-1/4"	46	423575	Mounting Bracket, Oil Tank
19	04019-02	Nut, Serr. Flange 1/4-20	47	423764	Mounting Bracket, Fuel Tank
20	451462	Seat Base Support	48	482633	Seat Pan
21	04021-10	Nut, Elastic Stop 5/16-18	49	43584	Spacer, Caster Wheel
22	482551	Seat Assembly w/ adj. rails	50	04001-28	Bolt, Hex Head 7/16-14 x 1-1/4"
	482631	Seat Assembly w/out adj. rails	51	04021-11	Nut, Elastic Stop 7/16-14
23	482108	Arm Pad, RH	52	04030-05	Lockwasher, 7/16
	482110	Bracket, Armrest RH	53	04030-04	Lock Washer. 3/8 Spring
24	482107	Arm Pad, LH	54	04110-03	U-Nut, 3/8-16
	482109	Bracket, Armrest LH	55	04003-04	Bolt, Carriage 5/16-18 x 1"
25	482183	Channel, Armrest	56	423912	Bracket, Fuel Valve
26	423557	Footplate	57	423913	Bracket, Hour Meter
27	04021-09	Nut, Elastic Stop 3/8-16	58	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"
28	04001-19	Bolt, Hex Head 3/8-16 x 1"			

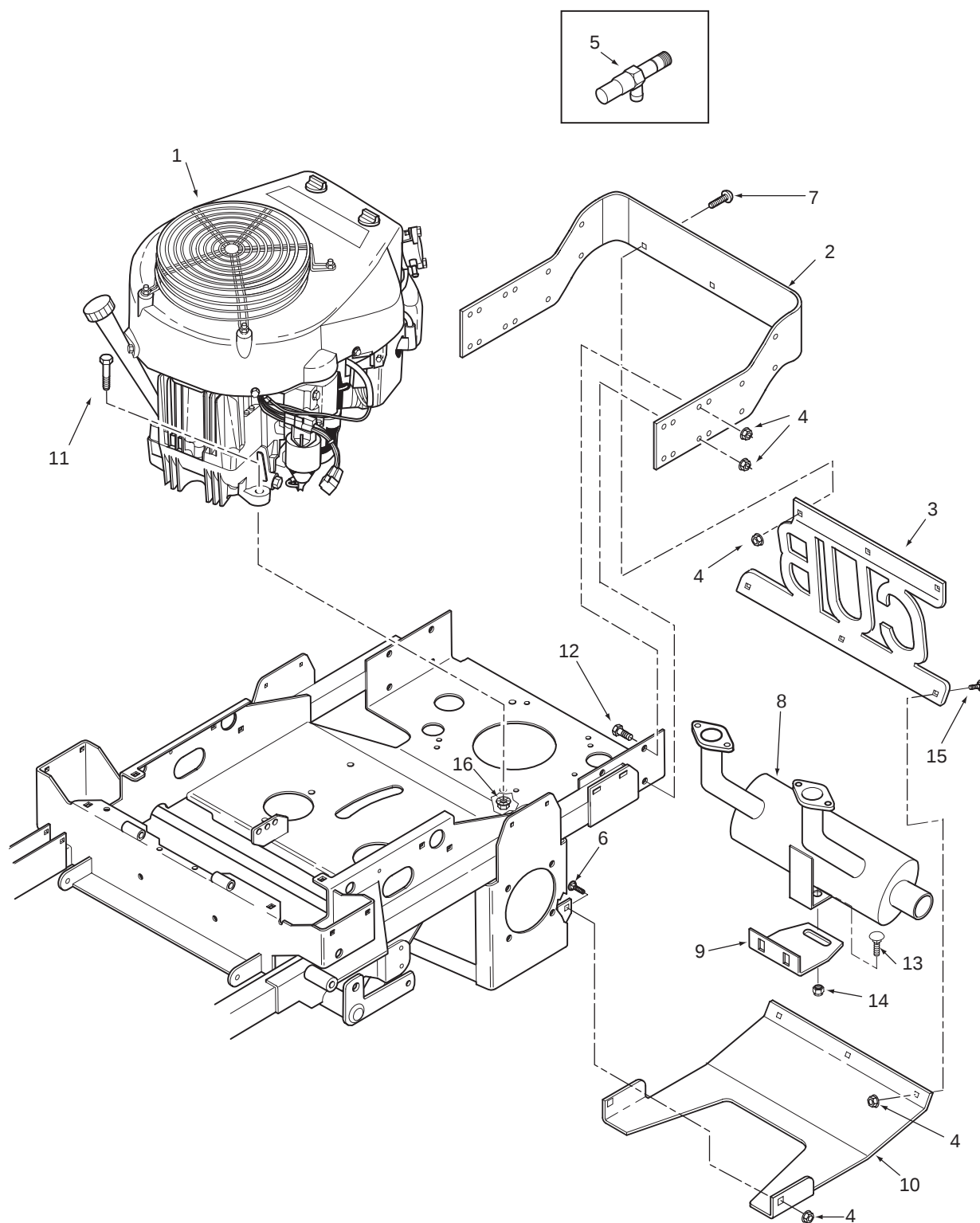
DRIVE SYSTEM COMPONENTS



DRIVE SYSTEM COMPONENTS

Ref. Part No. No.	Description
1 04021-09	Nut, Elastic Stop 3/8-16
2 04019-04	Nut, Serrated Flange 3/8-16
3 482892	Spring, Pump Idler
4 43286	Spacer
5 04001-22	Bolt, Hex Head 3/8-16 x 2-3/4"
6 461603	Idler Arm Assy., Pump Drive
7 04063-14	Key, 5 x 5 x 25mm
8 482716	Belt, Transmission
9 481048	Pulley, 3" Dia. Idler
10 04043-04	Flatwasher, 3/8-.391 x .938 x .105
11 482649	Pulley, 5.45 OD Taper Bore
12 482085	Hub, Tapered, 15mm Bore
13 04001-45	Bolt, 3/8-16 x 2"
14 43503	Pivot, Idler
15 48224	Bearing
16 04001-172	Bolt, Hex Head 1/4-20 x 1" Grade 8
17 04001-31	Bolt, Hex Head 3/8-16 x 2-1/2"
18 04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
19 482650	Pulley, 4.45 Dia. - 1" Bore
20 421203	Clamp Plate
21 04017-05	Hex Head Capscrew, 1/4-20 x 3/4"
22 422969	Control Lever, Pump
23 04017-05	Hex Head Capscrew, 1/4-20 x 3/4"
24 04030-02	Lockwasher, 1/4"
25 48829	Block, Pump Control
26 04060-06	Roll Pin
27 04001-136	Bolt, Hex Head 3/8-16 x 1-1/2" Grade 8
28 04019-04	Nut, Serr. Flange 3/8-16
29 04001-136	Bolt, Hex Head 3/8-16 x 1-1/2" Grade 8

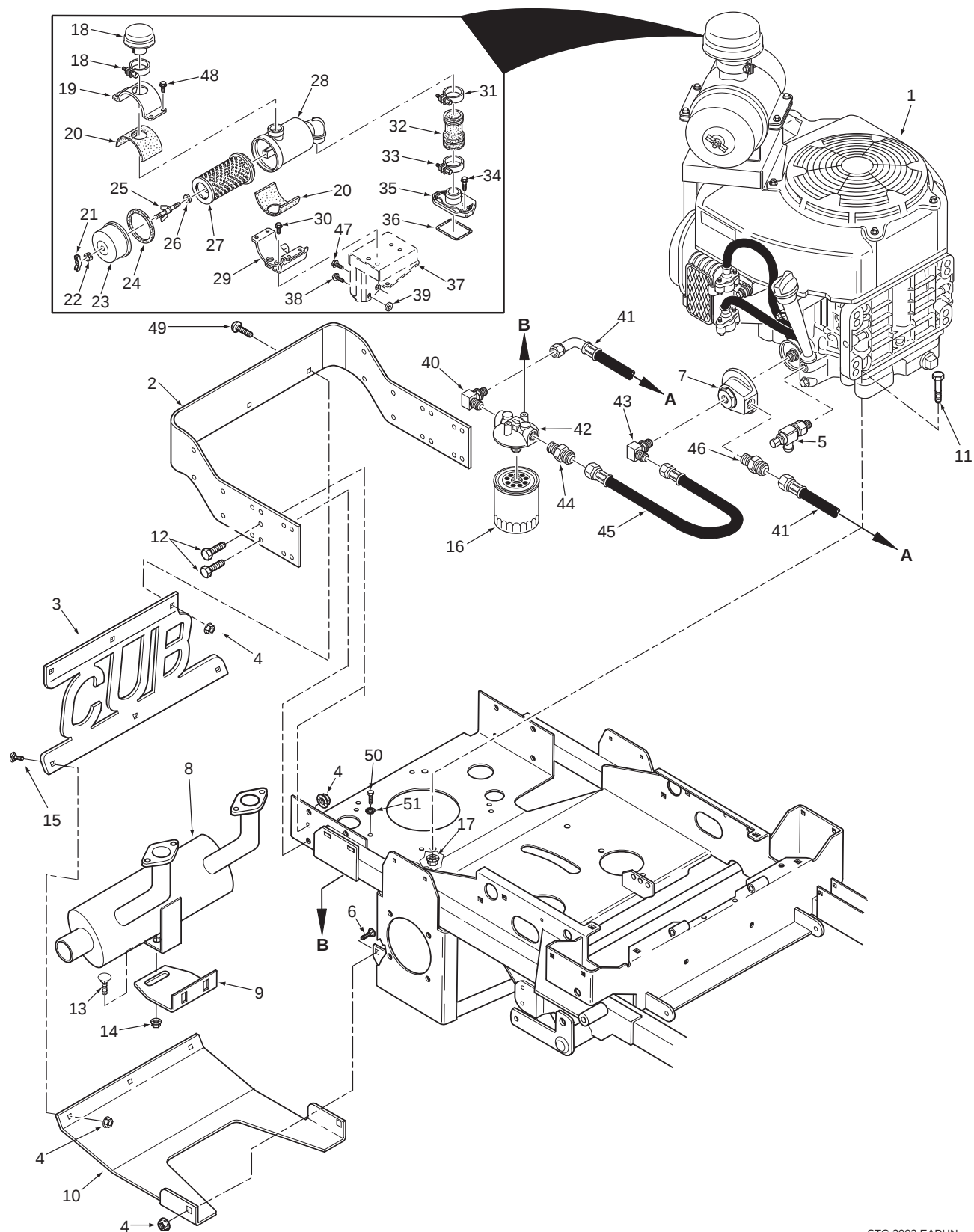
ENGINE AND ATTACHING PARTS (KAWASAKI & KOHLER)



ENGINE AND ATTACHING PARTS (KAWASAKI & KOHLER)

Ref. No.	Part No.	Description	19KA	20CV	21KA	23KA
1	482824	Engine, Kawasaki (FH601V-AS29)	x			
	482842	Engine, Kohler (PS-????)		x		
	482825	Engine, Kawasaki (FH641V-AS27)			x	
	482826	Engine, Kawasaki (FH680V-AS32)				x
2	423770	Bumper, Rear	x	x	x	x
3	423483	Shield, Rear	x	x	x	x
4	04019-04	Nut, Serr. Flange 3/8-16	x	x	x	x
5	482510	Extension, Oil Drain 2.3"		x		
	482349	Extension, Oil Drain 4"	x		x	x
6	04003-23	Bolt, Carr. 3/8-16 x 1"	x	x	x	x
7	04104-01	Bolt, 3/8-16 x 1" Torx		x	x	x
	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4" (61A)				x
8	482697	Muffler	x		x	x
	482698	Muffler		x		
9	423572	Bracket, Muffler	x	x	x	x
10	423555	Plate, Skid	x	x	x	x
11	04001-11	Bolt, Hex Head 5/16-18 x 1-1/2"	x	x	x	x
12	04001-19	Bolt, Hex Head 3/8-16 x 1"	x	x	x	x
13	04003-12	Bolt, Hex Head 5/16-18 x 3/4"	x	x	x	x
14	04019-03	Nut, Serr. Flange 5/16-18	x	x	x	x
15	04003-31	Bolt, Carr. 3/8-16 x 3/4"	x	x	x	x
16	04019-03	Nut, Serr. Flange 5/16-18	x	x	x	x

ENGINE AND ATTACHING PARTS (HONDA)



ENGINE AND ATTACHING PARTS (HONDA)

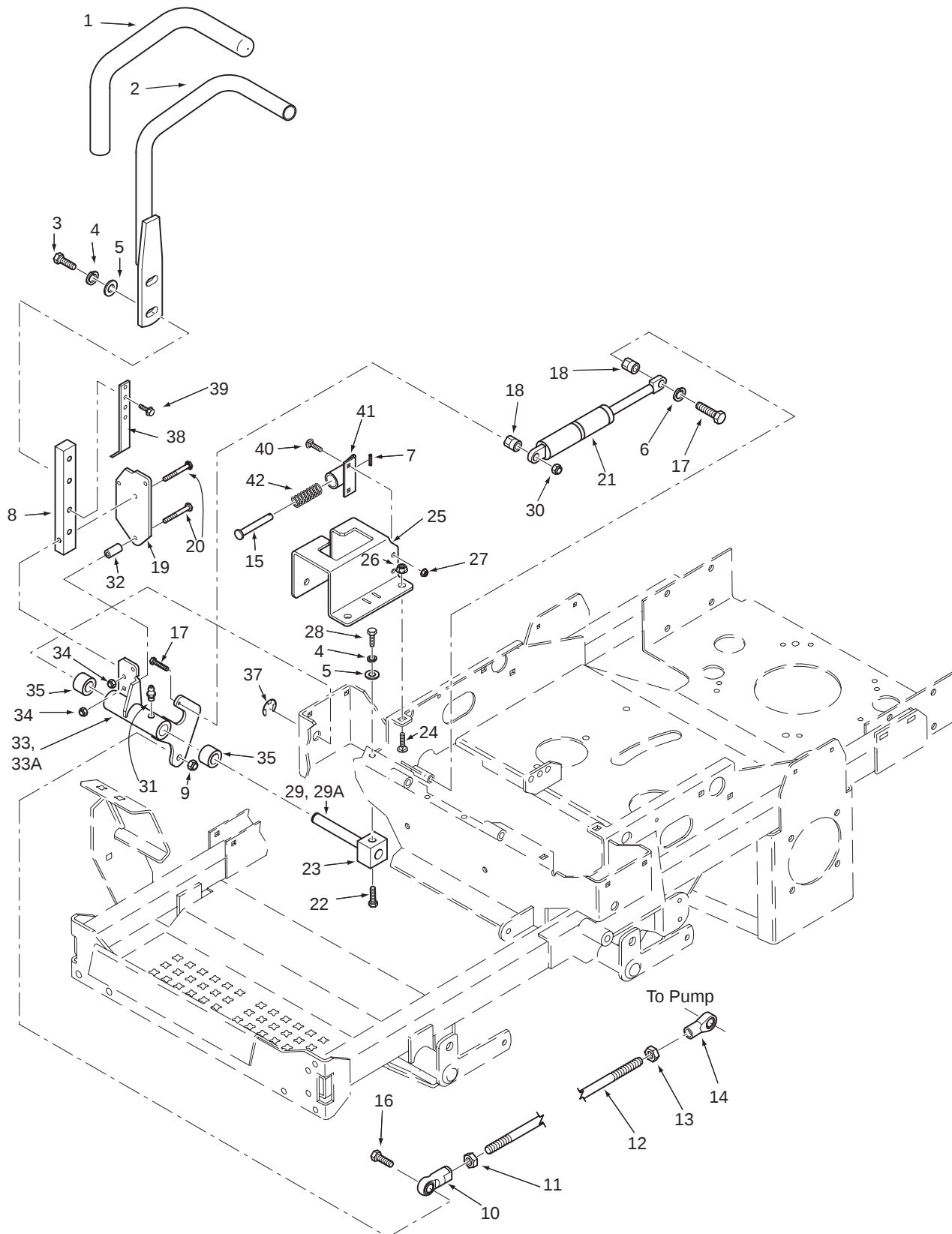
Ref. No.	Part No.	Description
1	482706	Engine, Honda 24 HP (GXV670TAF2)
2	423770	Bumper, Rear
3	423483	Shield, Rear
4	04019-04	Nut, Serr. Flange 3/8-16
5	482767	Extension, Oil Drain 2.7"
6	04003-23	Bolt, Carr. 3/8-16 x 1"
7	482768	Adapter, Oil Filter
8	482739	Muffler, Honda
9	423572	Bracket, Muffler
10	423555	Plate, Skid
11	04001-11	Bolt, Hex Head 5/16-18 x 1-1/2"
12	04001-19	Bolt, Hex Head 3/8-16 x 1"
13	04003-12	Bolt, Hex Head 5/16-18 x 3/4"
14	04019-03	Nut, Serr. Flange 5/16-18
15	04003-31	Bolt, Carr. 3/8-16 x 3/4"
16	482770	Oil Filter (**See chart for other filter options)
17	04019-03	Nut, Serr. Flange 5/16-18
18	*	Pre-Cleaner, Engine Air (Avail. through Honda Only)
19	*17208-ZJ1-840	Holder, Air Cleaner Upper (Avail. through Honda Only)
20	*17207-ZJ1-840	Rubber, Air Cleaner Holder (Avail. through Honda Only)
21	*90203-ZA0-800	Wing Nut - 16mm (Avail. through Honda Only)
22	*17232-891-000	Grommet, Air Cleaner (Avail. through Honda Only)
23	*17230-759-003	Cover, Air Cleaner (Avail. through Honda Only)
24	*17253-759-003	Seal, Air Cleaner (Avail. through Honda Only)
25	*90113-759-003	Bolt, Air Cleaner (Avail. through Honda Only)
26	*90502-759-003	Washer, Air Cleaner (Avail. through Honda Only)
27	*17210-759-013	Element, Air Cleaner (Avail. through Honda Only)
28	*17220-ZN2-810	Housing, Air Cleaner (Avail. through Honda Only)
29	*17209-ZJ1-840	Holder, Air Cleaner Lower (Avail. through Honda Only)
30	*95701-06016-00	Bolt, Flange (6mm x 16) (Avail. through Honda Only)
31	*95018-50250	Band, Air Cleaner Connecting Tube (Avail. through Honda Only)
32	*17251-ZN2-000	Tube, Air Cleaner Connecting (Avail. through Honda Only)
33	*95018-58250	Band, Air Cleaner Connecting Tube (Avail. through Honda Only)
34	*95701-06028-00	Bolt, Flange (6mm x 28) (Avail. through Honda Only)
35	*17418-ZN1-000	Joint B, Connecting Tube (Avail. through Honda Only)
36	*17229-ZN1-000	Seal, Air Cleaner Housing (Avail. through Honda Only)
37	*17222-ZN2-000	Stay, Engine Air Cleaner (Avail. through Honda Only)
38	*90014-952-000	Bolt, Flange (6mm x 14) (Avail. through Honda Only)
39	*91552-763-A00	Collar, Seat (Avail. through Honda Only)
40	48350-14	Elbow, 90 Degree 3/8 - 3/8
41	482760	Hose, Remote Oil Filter Inlet
42	482769	Filter Head
43	48350-14	Elbow, 90 Degree 3/8 - 3/8
44	48572-09	Tube, Union 1/2 - 3/8
45	482759	Hose, Remote Oil Filter Return
46	48572-09	Tube, Union 1/2 - 3/8
47	*95701-08016-00	Bolt, Flange (8mm x 16) (Avail. through Honda Only)
48	*95701-06012-00	Bolt, Flange (6mm x 12) (Avail. through Honda Only)
49	04104-01	Bolt, 3/8-16 x 1" Torx
50	04001-06	Bolt, Hex Head 1/4-20 x 5/8"
51	04030-02	Lockwasher, 1/4" Spring

**** Engine Oil Filter P/N**

<i>Filtration Products</i>	- <i>FPE15-10N-18</i>
<i>Baldwin</i>	- <i>BT8323</i>
<i>Fleetguard</i>	- <i>HF35099</i>
<i>Luberfiner</i>	- <i>LFH5809</i>
<i>Wix</i>	- <i>51269</i>
<i>Zinga</i>	- <i>BE10-18</i>

* Parts Available though Local Honda Distributor Only.

STEERING COMPONENTS

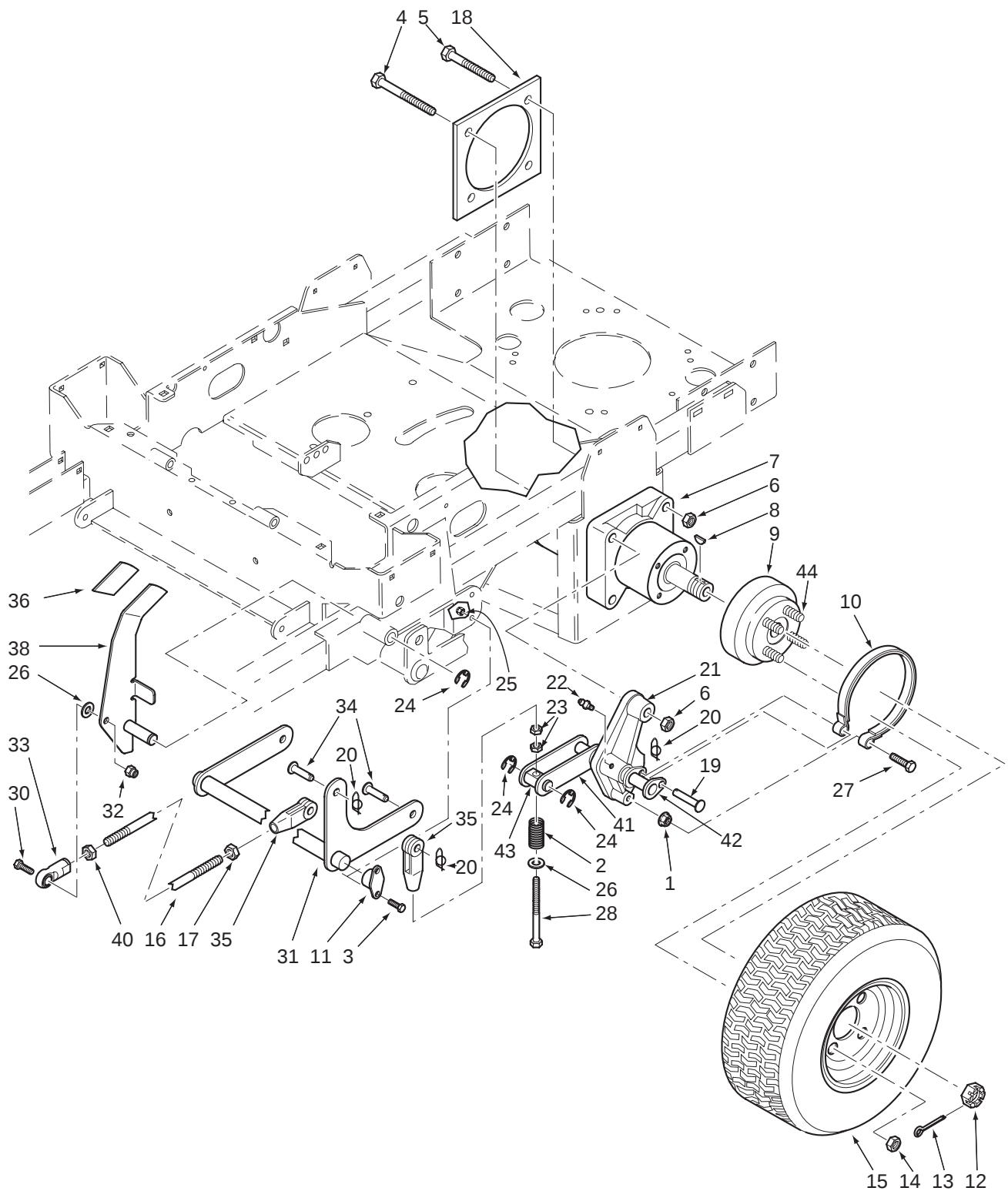


STEERING COMPONENTS

Ref. No.	Part No.	Description
1	482340	Grip, Control Lever
2	461386	Handle Bar (Includes item 1)
3	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"
4	04030-04	Lock Washer, 3/8"
5	04041-07	Flatwasher, 3/8-.391 x .938 x .105
6	04040-15	Flatwasher, 5/16-.375 x .875 x .083
7	04060-01	Roll Pin, Spring 5/32 x 3/4"
8	422372	Bar, Control Lever
9	04021-09	Nut, Elastic Stop 3/8-16
10	482330	Rod End, 3/8-24 RH Female
11	04020-14	Nut, 3/8-24 RH Thread
12	482623	Rod, Pump Control Linkage
13	04020-17	Nut, 3/8-24 UNF-2B LH Thread
14	482331	Rod End, 3/8-24 LH Thread
15	43477	Pin Retainer
16	04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
17	04001-12	Bolt, Hex Head 5/16-18 x 1-3/4"
18	43602	Spacer, Pump Dampener
19	423599	Plate, Control Lever
20	04001-17	Bolt, Hex Head 5/16-18 x 2"
21	482452	Gas Damper
22	04001-19	Bolt, Hex Head 3/8-16 x 1"
23	482099	Block, Clamping
24	04003-12	Bolt, Carriage, 5/16-18 x 3/4"
25	461525	Control Plate - LH (Includes Decal)
	461526	Control Plate - RH (Includes Decal)
26	04019-03	Nut, Serr., Flange, 5/16-18
27	04021-08	Nut, Elastic Stop 1/4-20
28	04001-18	Bolt, Hex Head 3/8-16 x 3/4"
29	43616	Shaft, Steering Control
29A	482099	Block, Clamp
30	04021-10	Nut, Elastic Stop 5/16-18
31	48114-04	Grease Fitting, 1/4-28 Self Tap
32	43559	Spacer, Control
33	49574	Control Lever Assy RH (Includes 31 & 35)
	49573	Control Lever Assy LH (Includes 31 & 35)
34	04021-10	Nut, Elastic Stop 5/16-18
35	48100-06	Bushing
36	04041-08	Flatwasher, 1-1/4 x 49/64 x 16 Ga.
37	04050-02	Retaining Ring, 3/4" Ext.
38	423057	Bracket, Switch Actuator
39	04017-16	Bolt, Hex Serr. Flange 5/16-18 x 3/4"
40	04003-02	Bolt, Carr. 1/4-20 x 3/4"
41	45918	Bracket, Control Return
42	481389	Spring
43	43477	Pin Retainer

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

BRAKE COMPONENTS



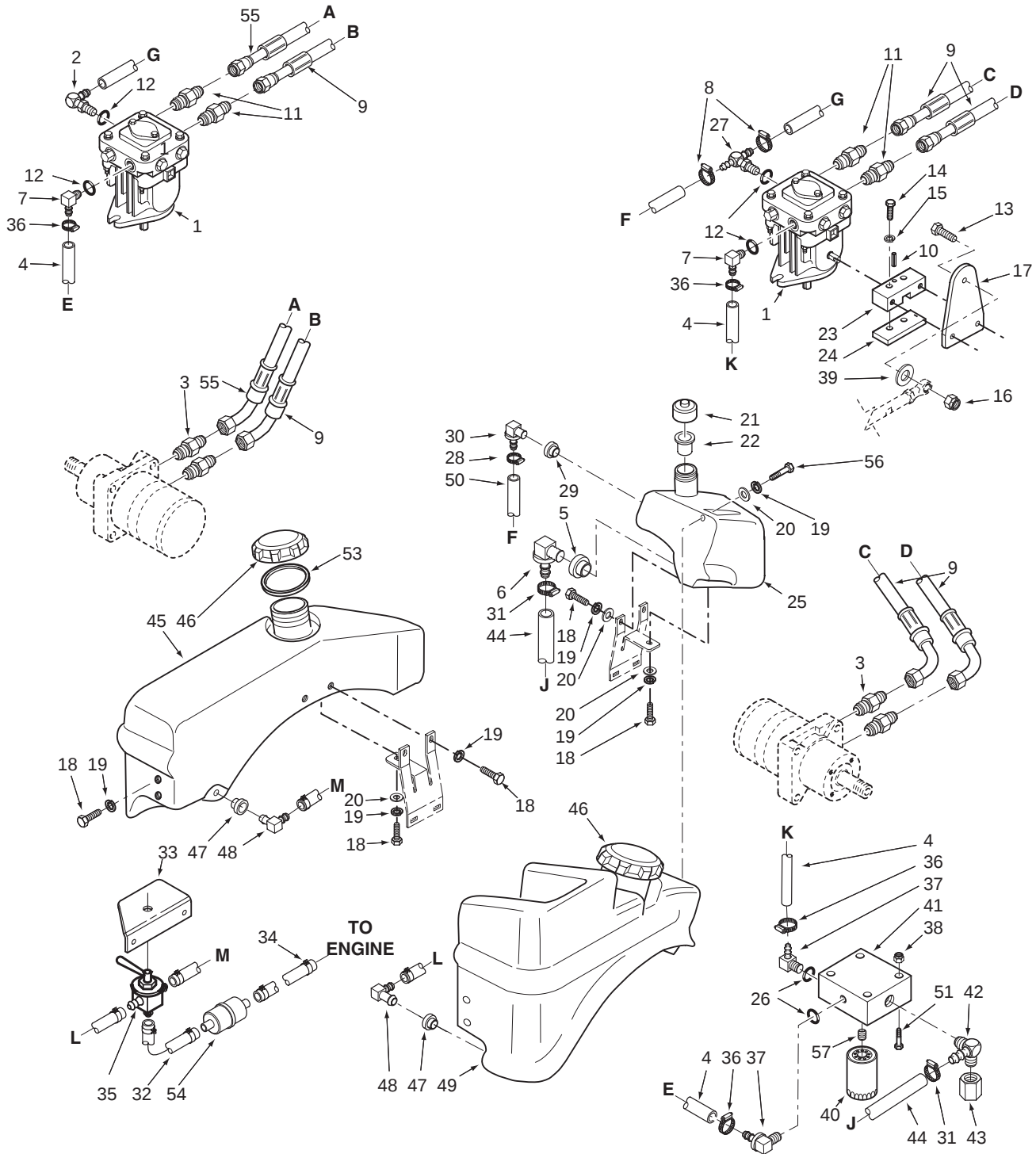
STC 2002 BSC

BRAKE COMPONENTS

Ref. No.	Part No.	Description
1	04019-04	Nut, Serr. Flange 3/8-16
2	48807	Spring
3	04001-08	Bolt, Hex Head 5/16-18 x 3/4"
4	04001-163	Bolt, Hex Head 1/2-13 x 3-3/4"
5	04001-52	Bolt, Hex Head 1/2-13 x 2-1/2"
6	04021-19	Nut, 1/2-13 Center Lock
7	482639	Wheel Motor Ross
8	04063-25	Key, Woodruff 5/16 x 1"
9	461438	Wheel Hub Assembly
10	481601	Brake Band Assembly
11	482061	Bushing, Self Align
12	48680	Nut, Hex Castle 1.0-20 UNEF
13	04061-06	Cotter Pin, 9/64 x 1-1/2"
14	04028-02	Lug Nut, 1/2-20
15	482044	(48") Wheel Assembly 23 x 9.5 -12
	481659	(48") Rim
	482413	(52") Wheel Assembly 23 x 9.5 -12
	482414	(52") Rim
	482194	(48" & 52") Tire 23 x 9.5 - 12
16	04004-46	Brake Rod Stud, 3/8-24 x 8.125
17	04020-14	Nut, 3/8-24 UNF
18	423279	Plate Weldment, Motor Backing
19	04064-16	Clevis Pin, 3/8 x 1.93"
20	04069-01	Pin, Rue Cotter 3/8 Dia.
21	461471	Brake Linkage LH
	461472	Brake Linkage RH
22	48114-04	Grease Fitting, 1/4-28
23	04020-25	Nut, 3/8-24 UNF
24	04050-01	Retaining Ring, .625 Ext.
25	04021-10	Nut, Elastic Stop 5/16-18
26	04041-07	Flatwasher, 3/8-.391 x .938 x .105
27	04001-31	Bolt, Hex Head 3/8-16 x 2-1/2"
28	04001-166	Bolt, Hex Head 3/8-24 x 3-3/4"
29	04061-02	Cotter Pin, 3/32 x 3/4"
30	04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
31	451463	Brake Shaft
32	04021-09	Nut, Elastic Stop 3/8-16
33	48544	Rod End, 3/8-24 LH Thread
34	04064-02	Clevis Pin, 3/8 x 1.06
35	48343-04	Clevis, 3/8-24
36	482102	Grip, Brake Lever
37	04019-04	Nut, Serr. Flange 3/8-16
38	461509	Brake Lever (includes item 36)
39	04001-22	Bolt, Hex Head 3/8-16 x 2-3/4"
40	04020-17	Nut, 3/8-24 UNF-2B LH Thread
41	422483	Lever, Brake
42	45974	Shaft Weldment, Pivot
43	43495	Pin, Pivot
44	04008-01	Bolt, Serr. Flange 1/2-20 x 4.563"

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

FUEL AND HYDRAULIC SYSTEM



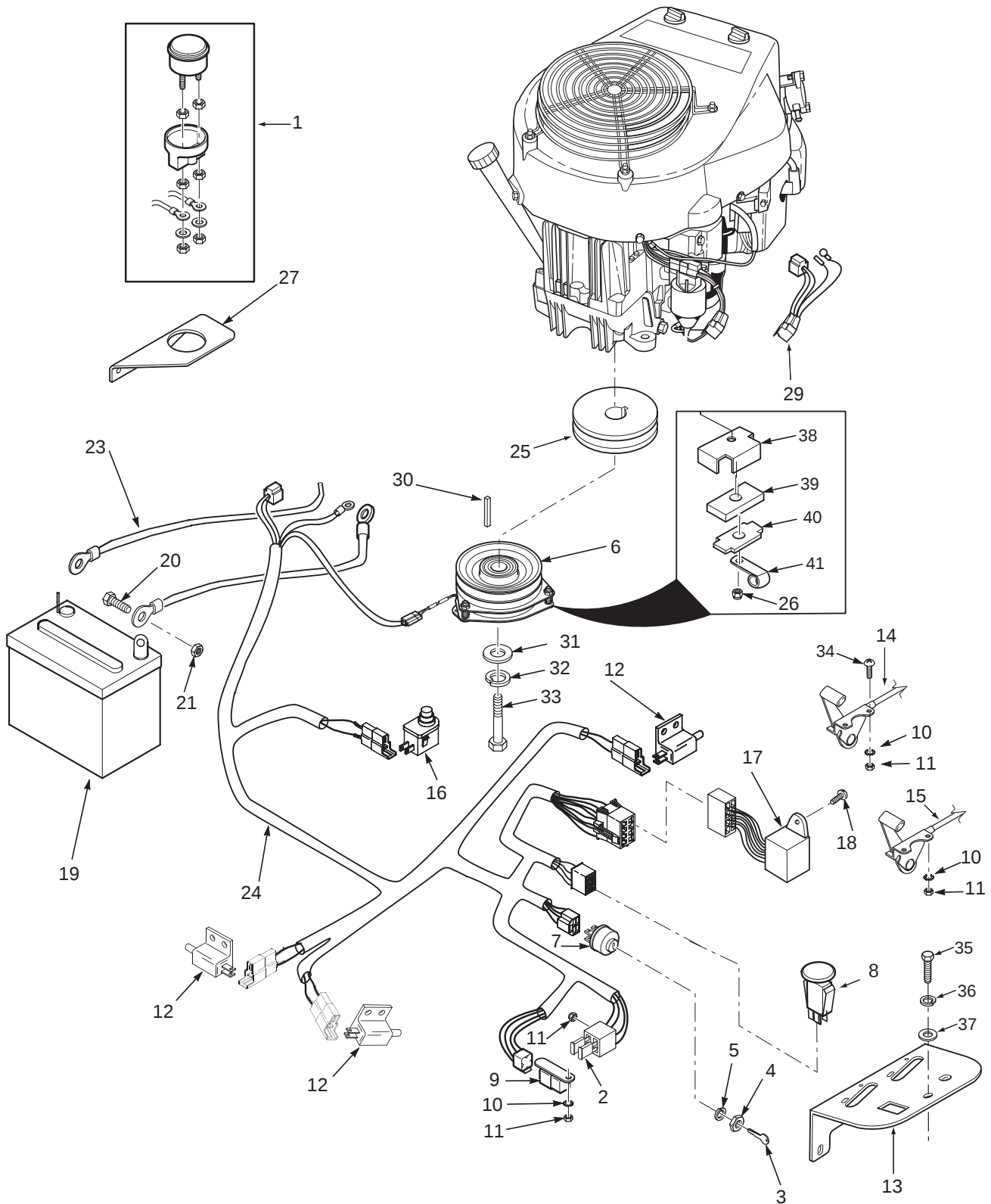
STC 2004 FHS

FUEL AND HYDRAULIC SYSTEM

Ref. Part No. No.	Description	Ref. Part No. No.	Description
1	482643 Pump, BDP-10A-316 (L.H.)	32	48058 Fuel Hose, 1/4 ID
	482644 Pump, BDP-10A-419 (R.H.)	33	423912 Bracket Fuel Valve
2	482266-01 Elbow, 90 Degree 9/16 O-Ring x 3/8 Hose	34	48059-01 Clamp, Fuel Hose 1/4 Hose ID
3	48572-02 Fitting, 1/2" JIC x 5/8 O-Ring	35	482212 Valve, Fuel Shutoff
4	48811 Hose, 3/8 Pushlock (Specify length)	36	48136-13 Clamp, .69 Max. / .25 Min. Dia.
5	482573 Bushing	37	482266-01 Elbow, 1/4 NTP x 3/8 Hose Barb
6	482574 Fitting	38	04019-03 Nut, Serr. Flange 5/16-18
7	482266-01 Elbow, 90 Degree 9/16 O-Ring x 3/8 Hose	39	04041-07 Flatwasher, 3/8-.391 x .938 x .105
8	48136-13 Hose Clamp, .69 Dia.	40	48462-01 Oil Filter
9	482548 Hose Assembly	41	482798 Filter Head Assembly
10	04060-06 Roll Pin	42	482539 Fitting, Tee Special
11	48572-04 Fitting, 1/2" JIC x 1/2" O-Ring	43	48571-02 Cap, 3/4-16 JIC
12	48603-06 O-Ring	44	482557 Hose, Filter Inlet
13	04001-20 Bolt, Hex Head 3/8-16 x 1-1/2"	45	461477 Fuel Tank RH
14	04017-07 Bolt, Hex Head 1/4-20 x 1-1/4"	46	482547 Cap, Fuel Tank (incl. item #53)
15	04030-02 Lockwasher	47	48309 Tank Bushing
16	04021-09 Nut, Elastic Stop 3/8-16	48	48939 Elbow, 90 Degree
17	422969 Control Lever	49	461476 Fuel Tank LH
18	04001-08 Bolt, Hex Head 5/16-18 x 3/4"	50	48811 Hose, 3/8 Pushlock 15" Long
19	04030-03 Lockwasher, 5/16	51	04001-17 Bolt, Hex Head 5/16-18 x 2"
20	04040-15 Flatwasher, 5/16-.375 x .875 x .083	52	04010-10 Screw, 1/4-20 x 2"
21	481164 Cap, Hydraulic Tank	53	482774 Gasket, Gas Tank Cap
22	481507 Insert, Filler Neck	54	** Fuel Filter
23	48829 Control Block	55	482605 Hose Assembly
24	421203 Clamp Plate	56	04001-11 Bolt, Hex Head 5/16-18 x 1-1/2"
25	461479 Hydraulic Tank Assembly w/fittings	57	482802 Nipple, Oil Filter 1.0-12 UNF-2A x 1-1/4"
26	48603-06 O-Ring		
27	482277 Tee Fitting, O-Ring to Barb		
28	48136-13 Clamp, .69 Max. / .25 Min. Dia.		
29	482571 Bushing		
30	482572 Elbow, 0.38 Hose		
31	48136-13 Clamp		

** Available through the individual engine manufacturer.

ELECTRICAL SYSTEM

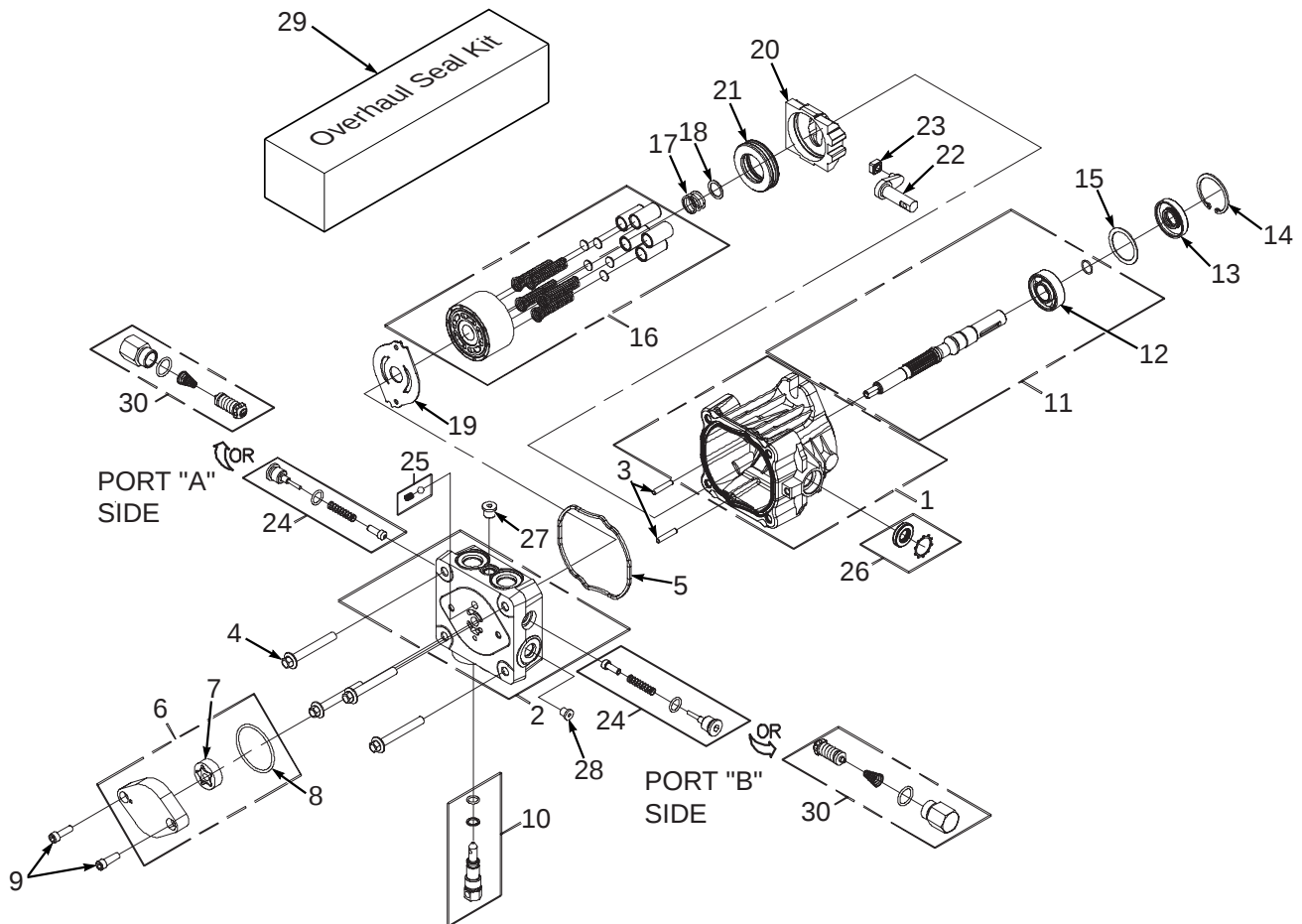


STC 2002 ESKA

ELECTRICAL SYSTEM

Ref. No.	Part No.	Description
1	48023	Hourmeter
2	48298	Fuse, 20 amp
3	48017-02	Key, Ignition
4	48017-04	Nut, Hex 5/8-32
5	48017-03	Lockwasher, 5/8" Internal
6	461660	Electric PTO Clutch GT3.5
7	48798	Switch, Ignition
8	481687	Switch, PTO
9	48788	Relay
10	04031-01	Lock Washer, #10 External Tooth
11	04020-01	Nut, Hex #10-32
12	481637	Switch, N/O
13	461528	Panel, Instrument
14	482032	Choke & Throttle Control - Kawasaki (Qty 2)
	481544	Choke Control - Kohler & Honda (Qty 1)
15	482032	Throttle Control - Kohler (Qty 1)
	482399	Throttle Control - Honda (Qty 1)
16	481638	Switch, Seat
17	482313	Module, Interlock
18	04010-01	Screw, #10-32 x .5" Phillips Head
19	**	Battery (Not Available Through Scag)
20	04001-44	Bolt, Hex Head 1/4-20 x .5"
21	04020-02	Nut, Hex 1/4-20
22	48029-15	Cable, Battery Black (negative)
23	48029-12	Cable, Battery Red (positive)
24	482542	Wiring Harness, Main
25	482650	Pulley, 5.45 OD x 1.125 Bore
26	04021-10	Nut, Elastic Stop 5/16-18 Key
27	423913	Mounting Bracket, Hour Meter
28	04010-11	Screw, #10-32 x 1.5" Phillips Head
29	482543	Adaptor, Wiring Harness (Kawasaki only)
	482094	Adaptor, Wiring Harness (Kohler only)
	482740	Adaptor, Wiring Harness (Honda only)
30	04063-23	Key, 1/4 x 1/4 x 3-1/4"
31	04041-28	Flatwasher, 7/16-.469 x 1-3/4" x 1/4"
32	04030-05	Lockwasher, 7/16"
33	04001-101	Bolt, Hex Head 7/16-20 x 2-1/2" UNF
34	04010-12	Screw, #10-32 x 3/4"
35	04001-08	Bolt, Hex Head 5/16-18 x 3/4"
36	04030-03	Lockwasher, 5/16
37	04040-15	Flatwasher, 5/16-.375 x .875 x .083
38	423909	Backing Plate
39	481716	Rubber Pad, Clutch Stop
40	422534	Plate, Backing
41	48030-09	Clamp

HYDRAULIC PUMP ASSEMBLY



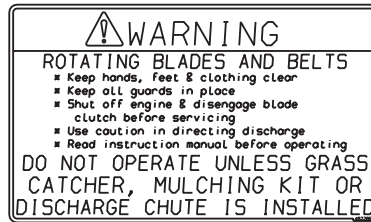
HYDRAULIC PUMP ASSEMBLY

Ref. No.	Part No.	Description
1	HG 70516	Housing Kit
2	HG 70573	End Cap Kit
3	HG 50641	Straight Headless Pin
4	HG 50969	Hex Flange Bolt, M8-1.25 x 60mm
5	HG 51232	Housing O-Ring
6	HG 2513027	Charge Pump Kit
7	HG 50273	Gerotor Assembly
8	HG 9004101-1340	O-Ring
9	HG 50095	Socket Head Screw, M6 x 1.0-20mm
10	HG 2513030	Bypass Valve Kit
11	HG 70521	Pumpshaft Kit
12	HG 50315	Ball Bearing, 17 x 40 x 12
13	HG 51161	Lip Seal
14	HG 50329	Retaining Ring
15	HG 50951	Spacer
16	HG 70331	Cylinder Block Kit
17	HG 2003014	Block Spring
18	HG 2003017	Block Thrust Washer
19	HG 51444	Valve Plate
20	HG 2003087	Swash Plate
21	HG 50551	Ball Thrust Bearing
22	HG 2003005	Trunnion Arm
23	HG 2000015	Slot Guide
24	HG 2510062	Check Valve Kit (.024" Orifice) port "A" on Left Hand Pump, port "B" on Right Hand Pump
25	HG 70403	Charge Relief Kit
26	HG 2513043	Trunnion Seal with Retainer
27	HG 9005110-4400	Straight Thread Plug
28	HG 50408	Straight Headless Pin
29	HG 70525	Overhaul Seal Kit
30	HG 70743	System Check Relief Kit, port "B" on Left Hand Pump, port "A" on Right Hand Pump

REPLACEMENT DECALS AND INFORMATION PLATES



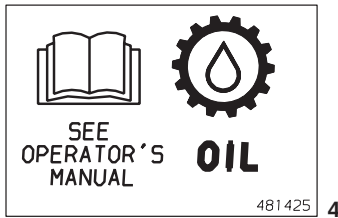
1



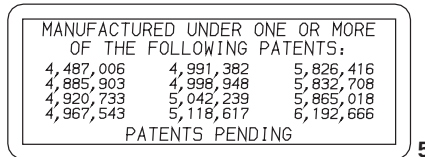
2



8



4



5



13



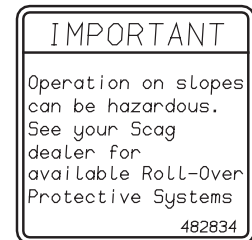
6



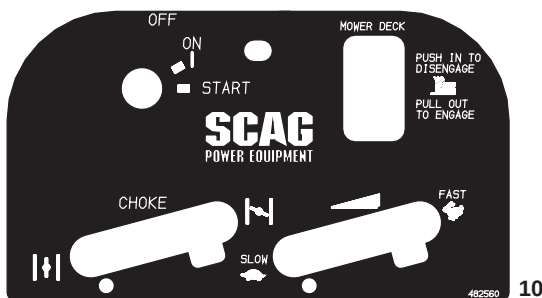
7



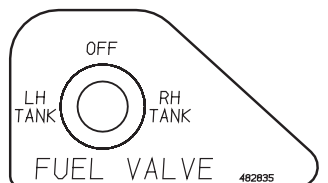
9



19



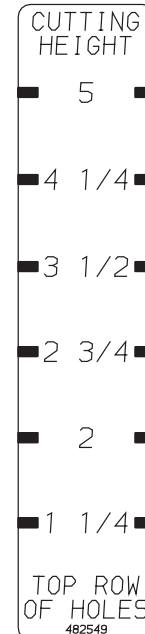
10



11



12



18

REPLACEMENT DECALS AND INFORMATION PLATES

Ref. No.	Part No.	Description
1	482285	Decal, Danger-Spinning Blades
2	482286	Decal, Warning-Rotating Blades
3	481953	Decal, 48A
	481954	Decal, 52A
4	481425	Decal, Oil
5	48656	Decal, Patents
6	482100	Decal, Traction Control
7	481971	Decal, Heavy Duty Commercial
8	48404	Decal, Metalcraft - Made in USA
9	481039	Decal, Belt Cover
10	482560	Decal, Instrument Panel
11	482835	Decal, Fuel Valve Position
12	482566	Decal, Cutting Height Bottom Row of Holes
13	482578	Decal, Tiger Cub
14	482709	Decal, Seat Support
15	482579	Decal, Rear Bumper
16	482166	Decal, Front Footplate
17	482165	Decal, Discharge Chute
18	482549	Decal, Cutting Height Top Row of Holes
19	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 lever 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 procedure until proper Neutral Adjustment is obtained.

TRACKING ADJUSTMENT

If the machine pulls to the right, adjust LH control linkage CW to slow left wheel. If the machine pulls to the left adjust RH control linkage CW 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.

482709

14

482579

15

3

482166

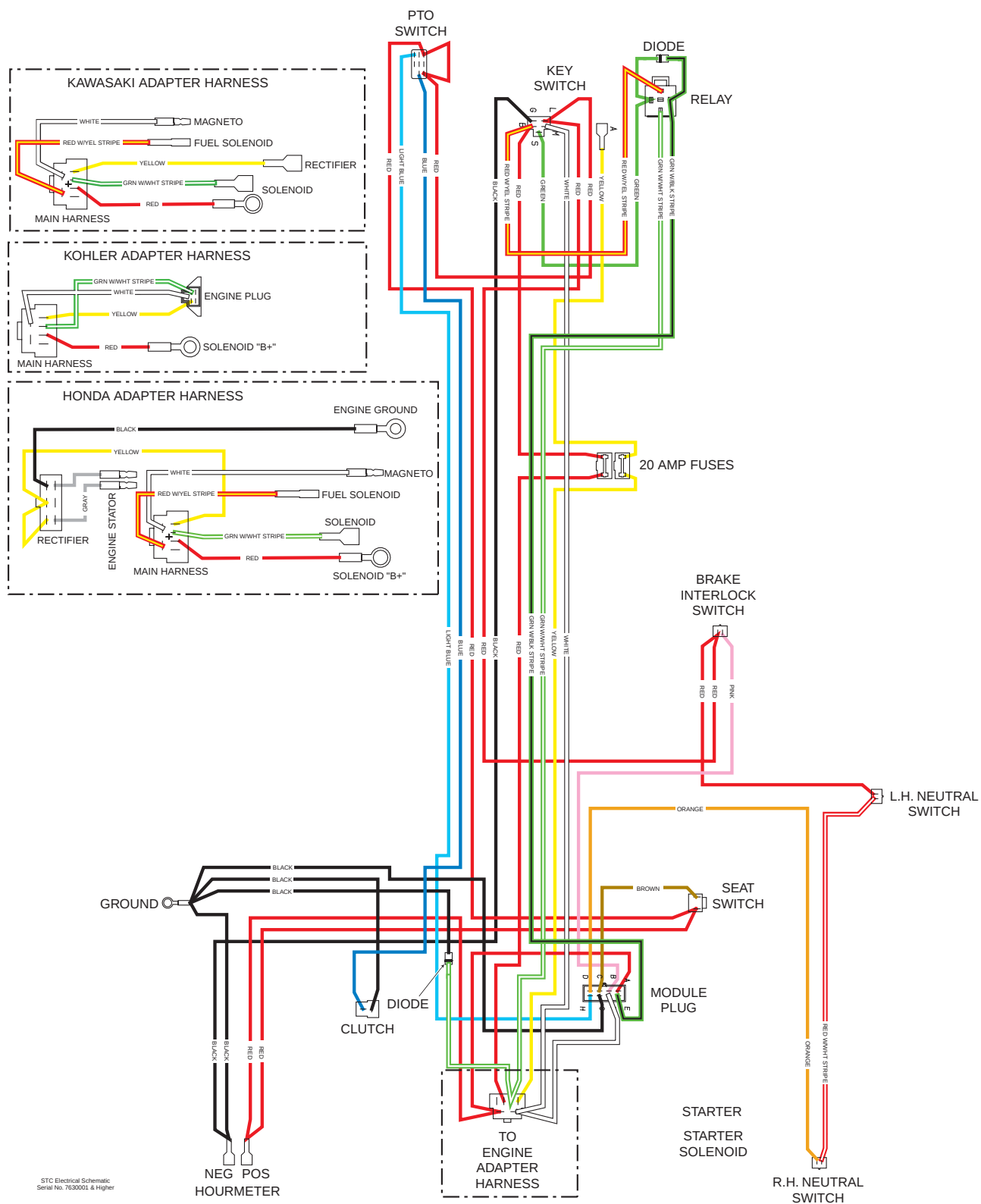
16

WARNING

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

17

ELECTRICAL SCHEMATIC - KAWASAKI, KOHLER & HONDA



STC Electrical Schematic
Serial No. 7630001 & Higher