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PARTS MANUAL FOR BAD BOY AOS MODELS

2009

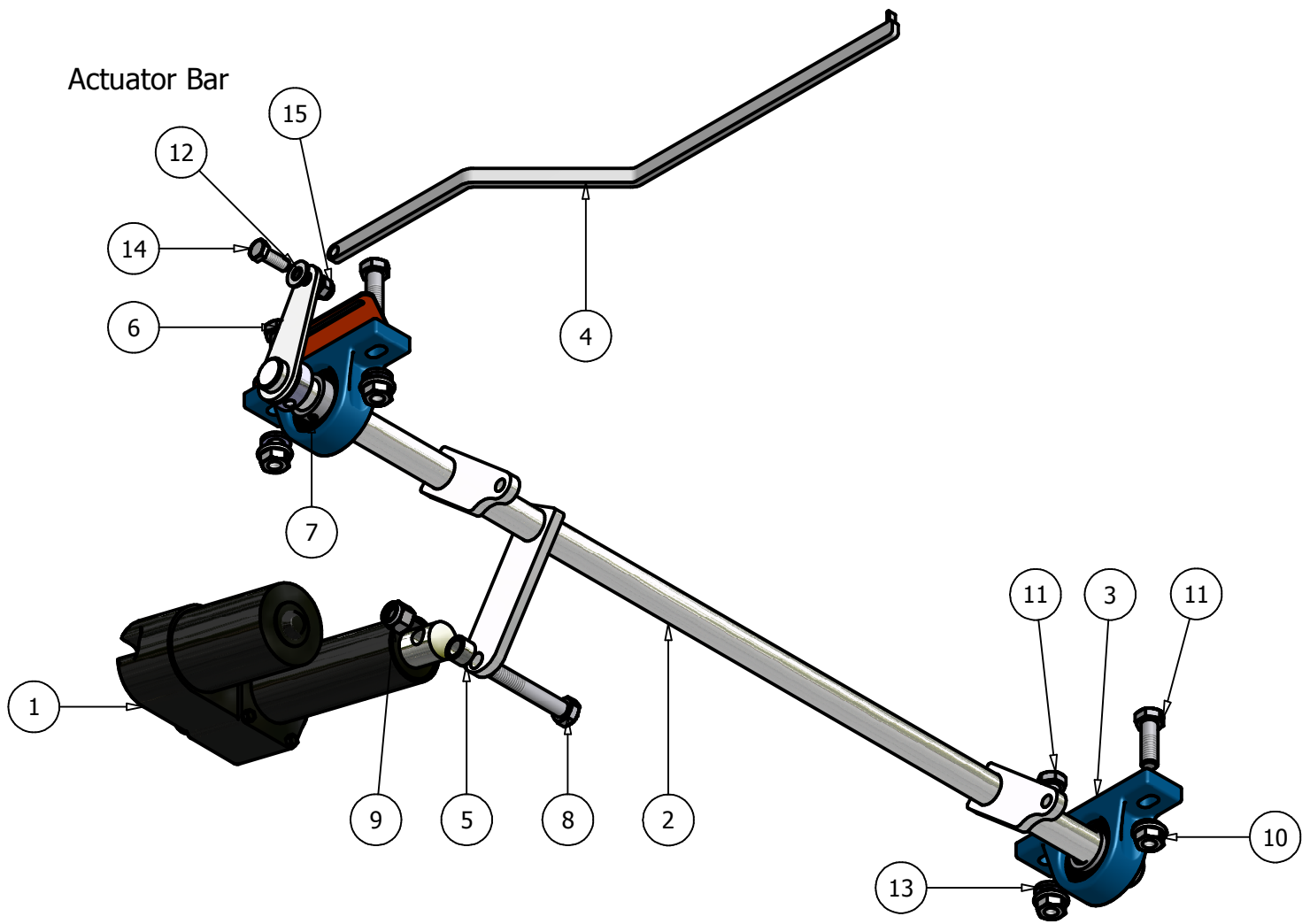


**35hp Vanguard
27hp Kawasaki**



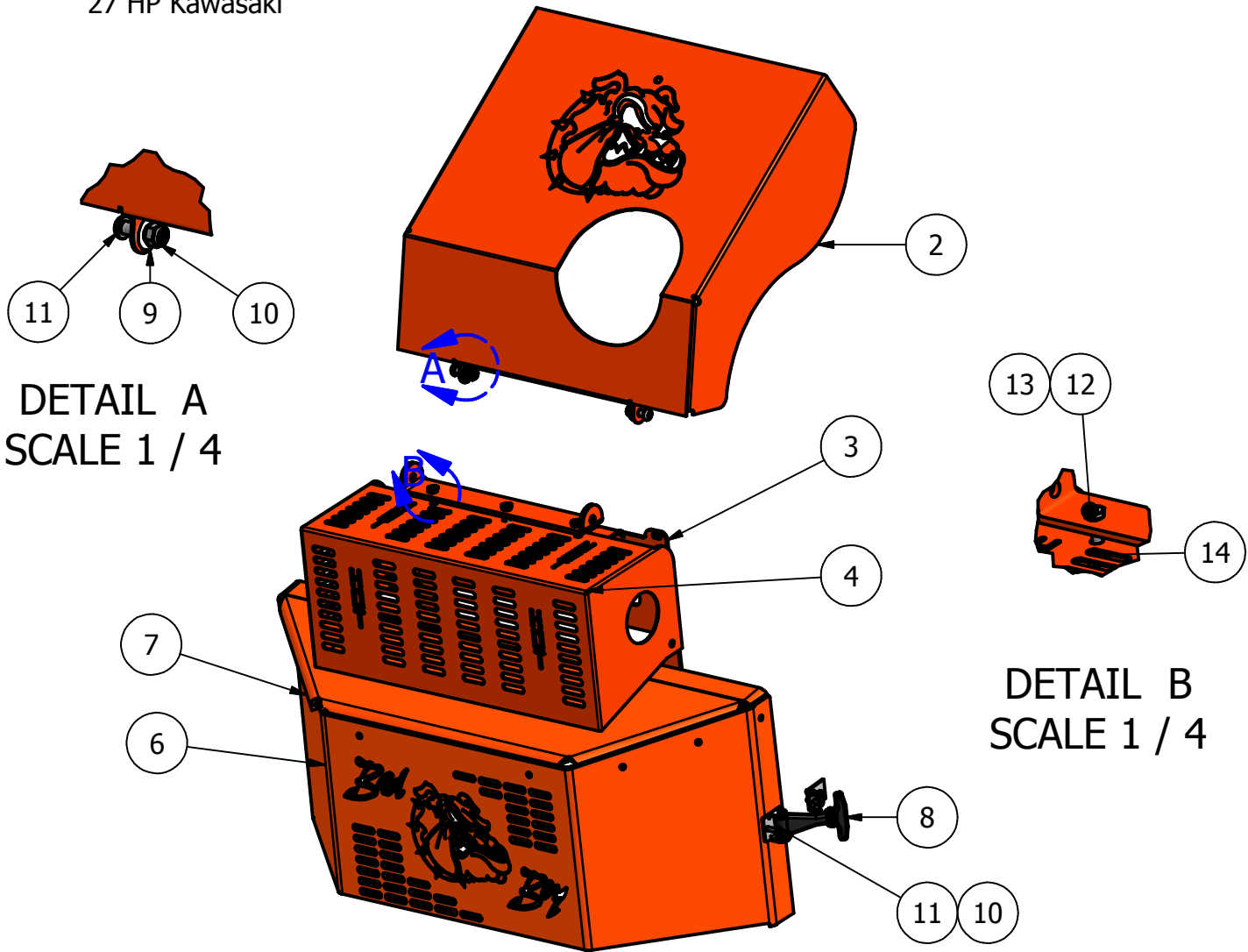
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Actuator Bar			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	035-7033-00	Actuator
2	1	028-7920-00	Actuator Bar
3	2	017-7008-00	1" Pillow Block
4	1	028-5203-00	Height Indicator
5	2	025-7036-00	1/2" x 1/2" Collar Spacer
6	1	031-7000-00	2006 Height Indicator Lever
7	1	030-6029-00	3/8 " Set Screw
8	2	018-7016-00	1/2" x 3" Hex Bolt
9	2	013-6037-00	1/2" Nylock Nut
10	4	013-5300-00	1/2" Flange Nut
11	4	018-5600-00	1/2" x 1 1/2" Hex Bolt
12	1	019-6042-00	.360 ID Plastic Washer
13	4	019-5007-00	1/2" Lock Washer
14	1	018-6049-00	3/8" x 1" Hex Bolt
15	1	013-5041-00	3/8 Nylock Nut

27 HP Kawasaki

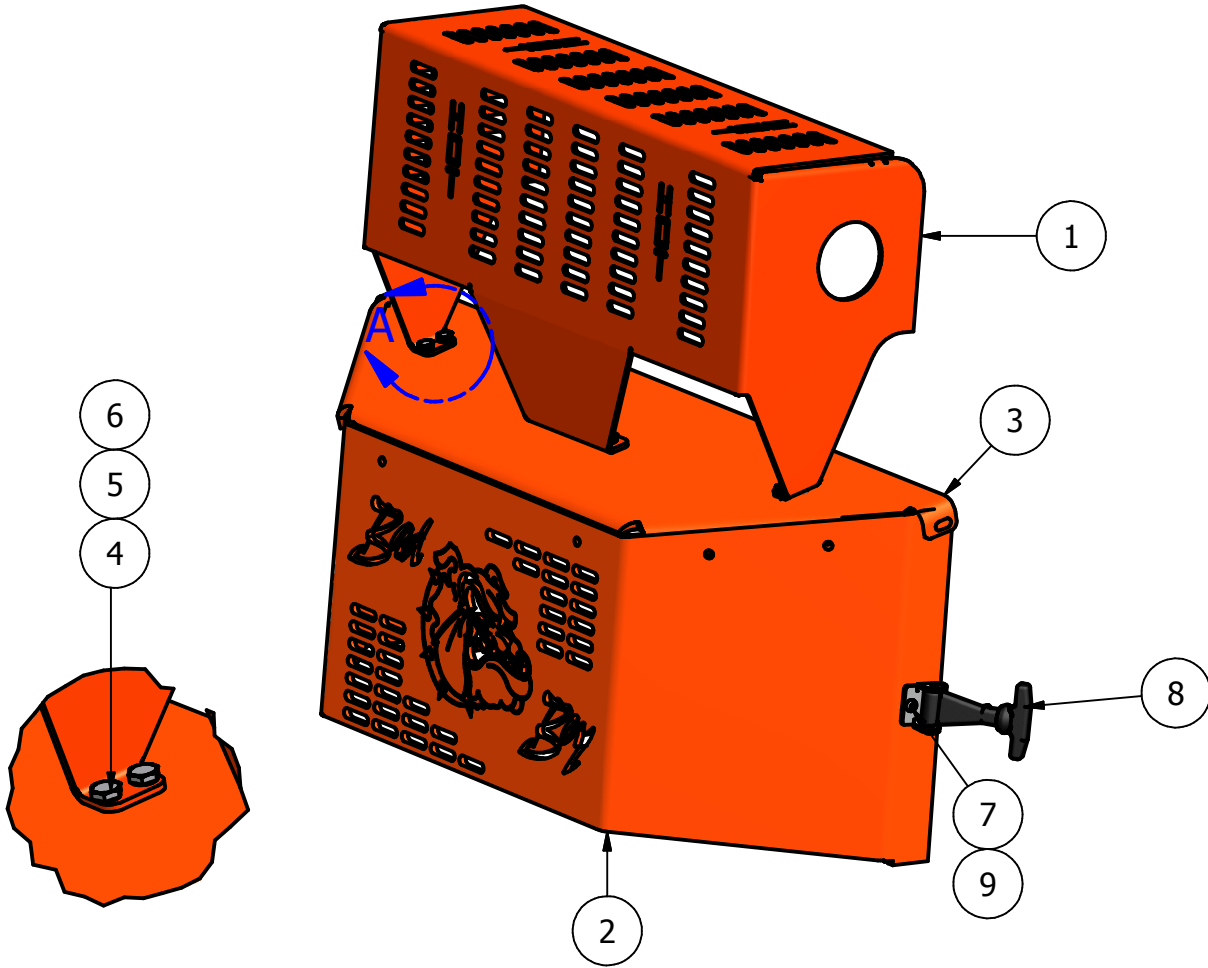


DETAIL A
SCALE 1 / 4

DETAIL B
SCALE 1 / 4

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	026-8020-00	AOS Pump Plate
2	1	059-5204-00	Donaldson hood
3	1	039-5951-00	Hood Holder Bracket
4	1	043-5941-00	Muffler Guard
6	1	014-5940-00	Back Pump Cover
7	1	014-5912-00	Top Pump Cover
8	1	052-5020-00	Pump Cover Latch
9	3	019-6042-00	.360 ID Plastic Washer
10	4	013-5019-00	1024 Nylock Nut
11	4	018-8056-00	1024 x 1/2" Buttonhead Bolt
12	5	018-8052-00	1/4" x 3/4" SS Buttonhead Bolt
13	5	019-4008-00	1/4" Lock Washer
14	5	013-8039-00	1/4" Hex Nut

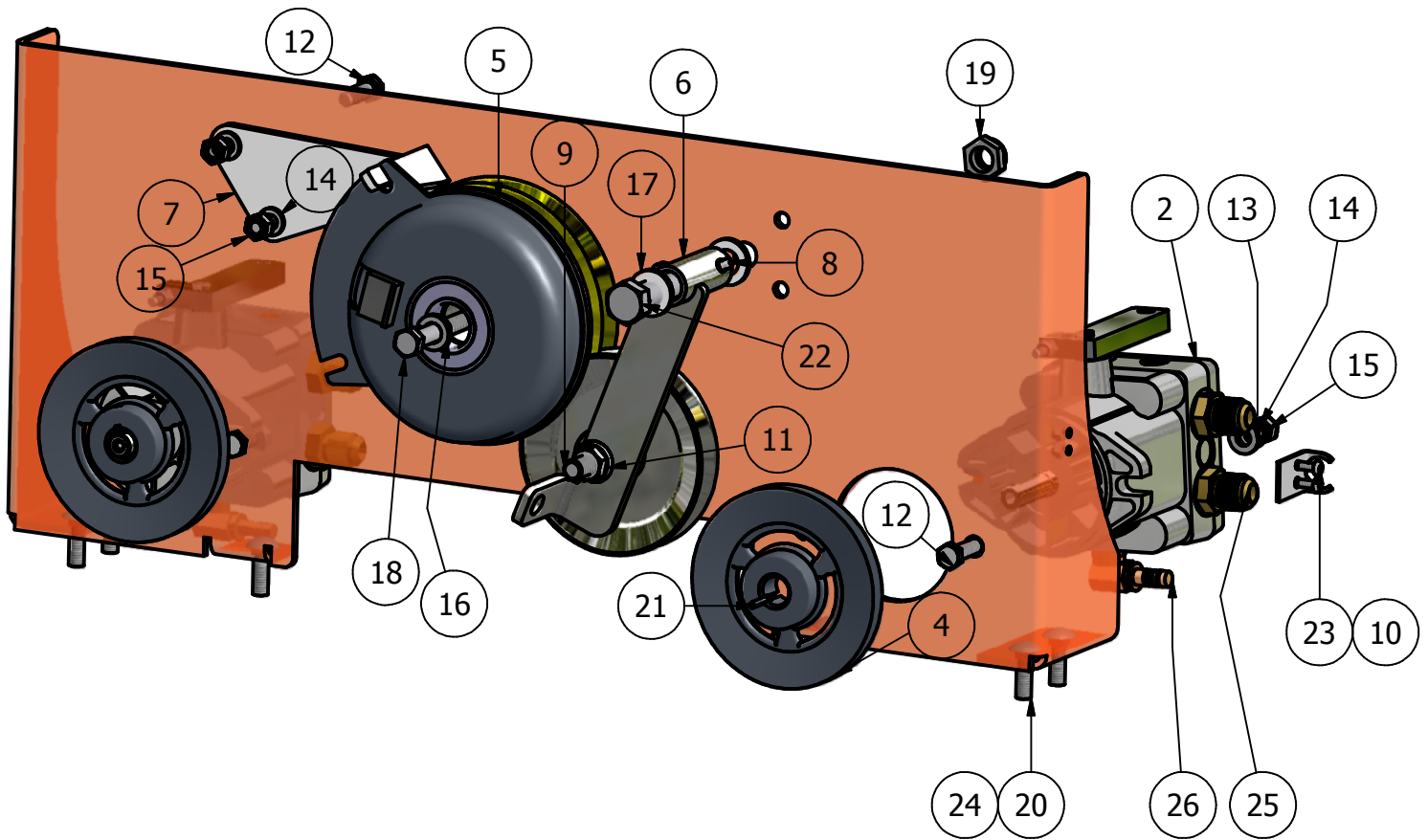
35hp Briggs



DETAIL A
SCALE 1 / 3

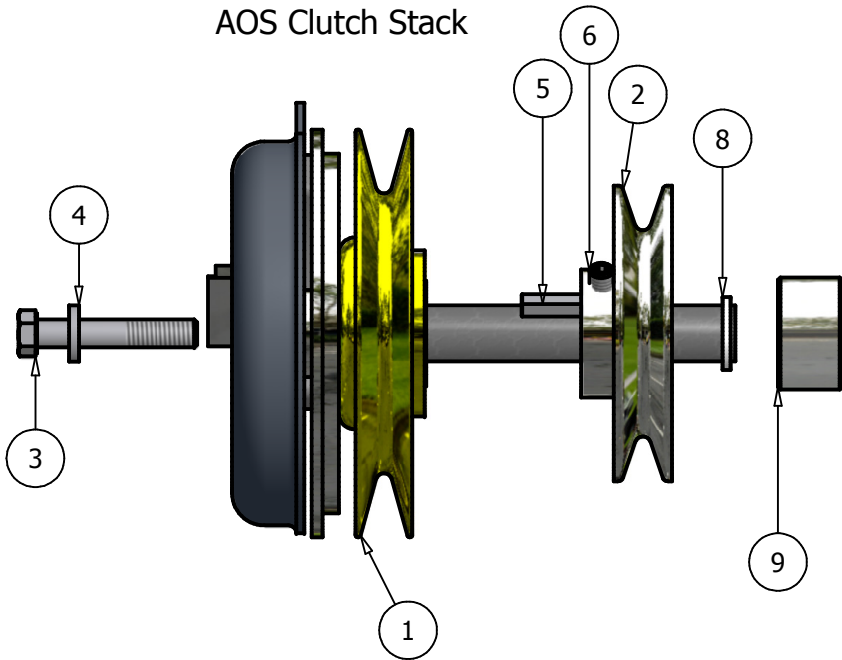
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	043-2004-00	Muffler Guard (35hp)
2	1	014-5940-00	Pump Cover (35hp)
3	1	014-5912-00	Top Pump Cover
4	6	018-8052-00	1/4" x 3/4" SS Buttonhead Bolt
5	1	019-4008-00	1/4" Lock Washer
6	1	013-8039-00	1/4" Nut
7	1	018-8057-00	1024 x 3/4" Buttonhead Bolt
8	1	052-5020-00	Cover Latch
9	2	013-5019-00	1024 Nylock Nut

AOS Pump Plate/ Clutch Assembly

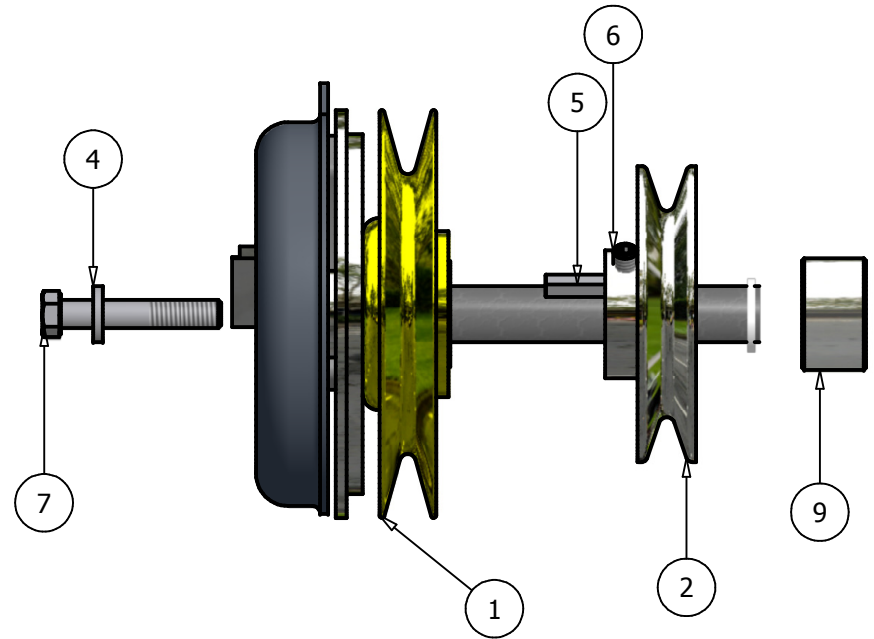


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	041-5048-00	Pump Belt
2	1	050-5407-00	Hydraulic Pump (Right)
3	1	050-5308-00	Hydraulic Pump (Left)
4	2	033-5011-00	5" Pump Pulley
5	1	070-5035-00	Clutch
6	1	039-5944-98	Pump Idler Bracket
7	1	057-5906-00	PTO Engager Holder
8	1	024-6034-00	Grease Fitting (Drive-IN Type)
9	1	018-6036-00	1/2" x 2 1/2" Hex Bolt
10	2	013-5019-00	1024 Nylock Nut
11	1	013-5300-00	1/2" Flange Nut
12	6	018-6012-00	3/8" x 1 1/2" Hex Bolt
13	4	019-5029-00	3/8" Flat Washer
14	6	019-5037-00	3/8" Lock Washer
15	6	013-6014-00	3/8" Nut
16	1	019-8053-00	7/16" Lock Washer
17	2	019-6017-00	.635 ID Plastic Washer
18	1	018-5300-00	7/16" x 2 1/2" Fine Thread Bolt
19	1	013-5301-00	5/8" Nylock (1/2 Jam)
20	6	018-5043-00	3/8" x 1 1/4" Carriage Bolt
21	2	042-5012-00	5mm x 1.25" Key
22	1	018-5311-00	5/8" x 4" Hex Bolt
23	2	018-8058-00	1024 x 1" Buttonhead Bolt
24	6	013-5041-00	3/8" Nylock Nut
25	4	024-7033-00	Hydraulic Fitting
26	2	024-5206-00	3/8" X 9/16"-18 ORB Male Fitting (S,A-2 P-4)

AOS Clutch Stack



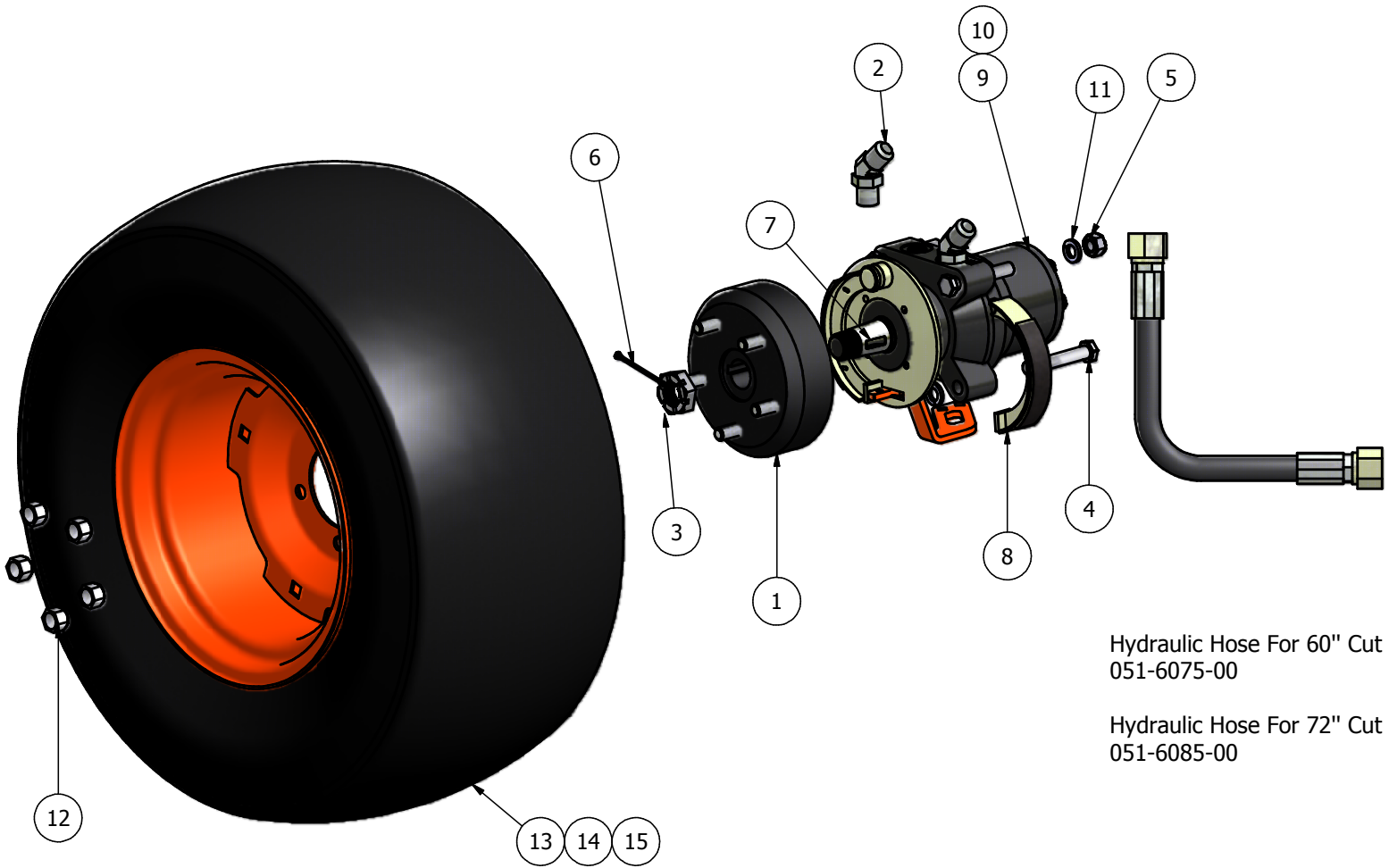
35 Vanguard



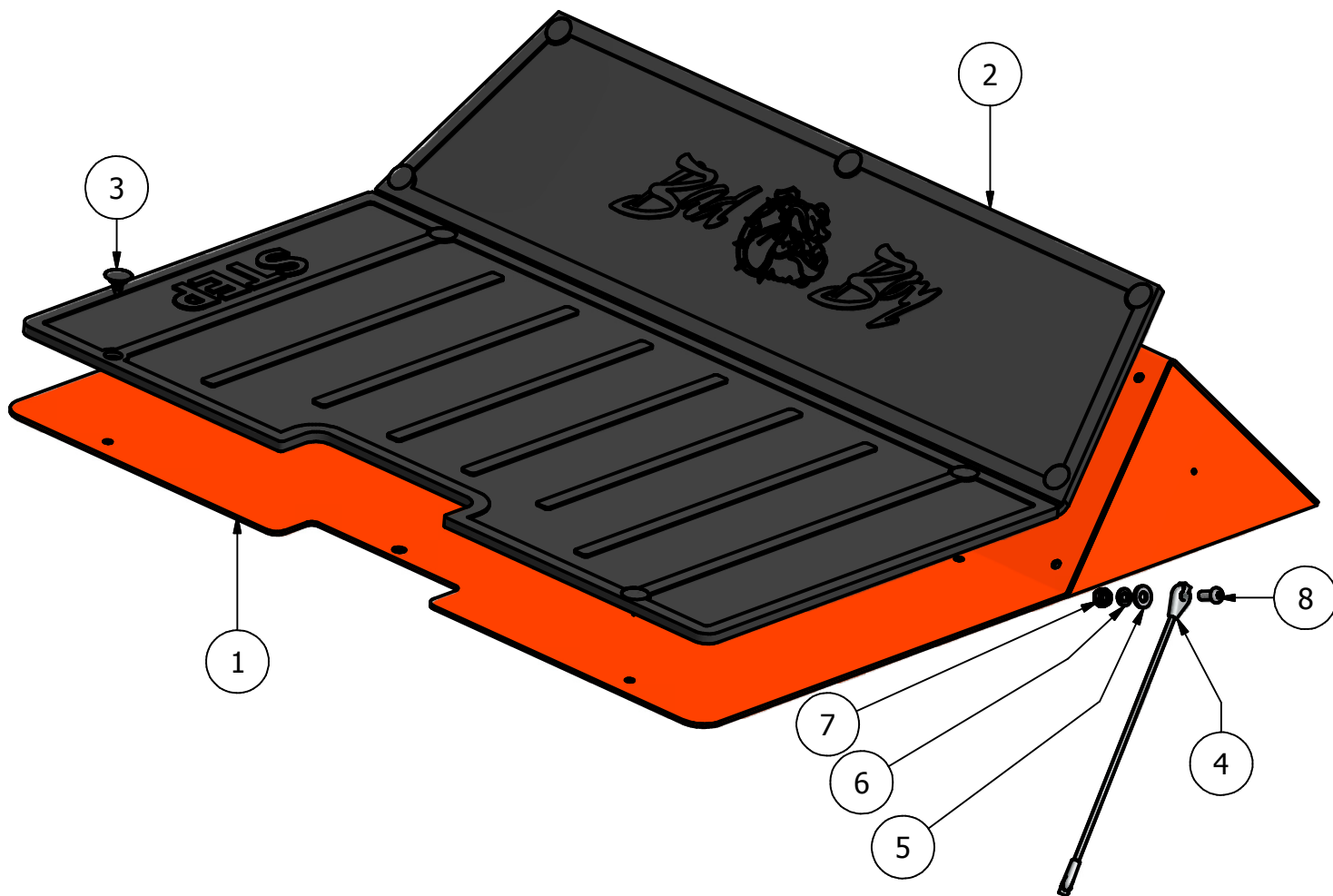
27 Kawasaki

Clutch Assembly		
ITEM	PART NUMBER	DESCRIPTION
1	070-1000-00	Clutch Assembly
2	033-5034-00	4 3/4" Motor Pulley
3	018-5300-00	7/16" x 2 1/2" Fine Thread Bolt
4	019-8053-00	7/16" Lock Washer
5	042-6030-00	1/4" x 1" Key
6	030-6029-00	3/8" Set Screw
7	018-5028-00	10mm x 552 Bolt
8	019-6029-00	1 1/8" Flat Spacer
9	025-5032-00	1 1/8" collar spacer

AOS Wheel Motor/Tire and Wheel Assembly

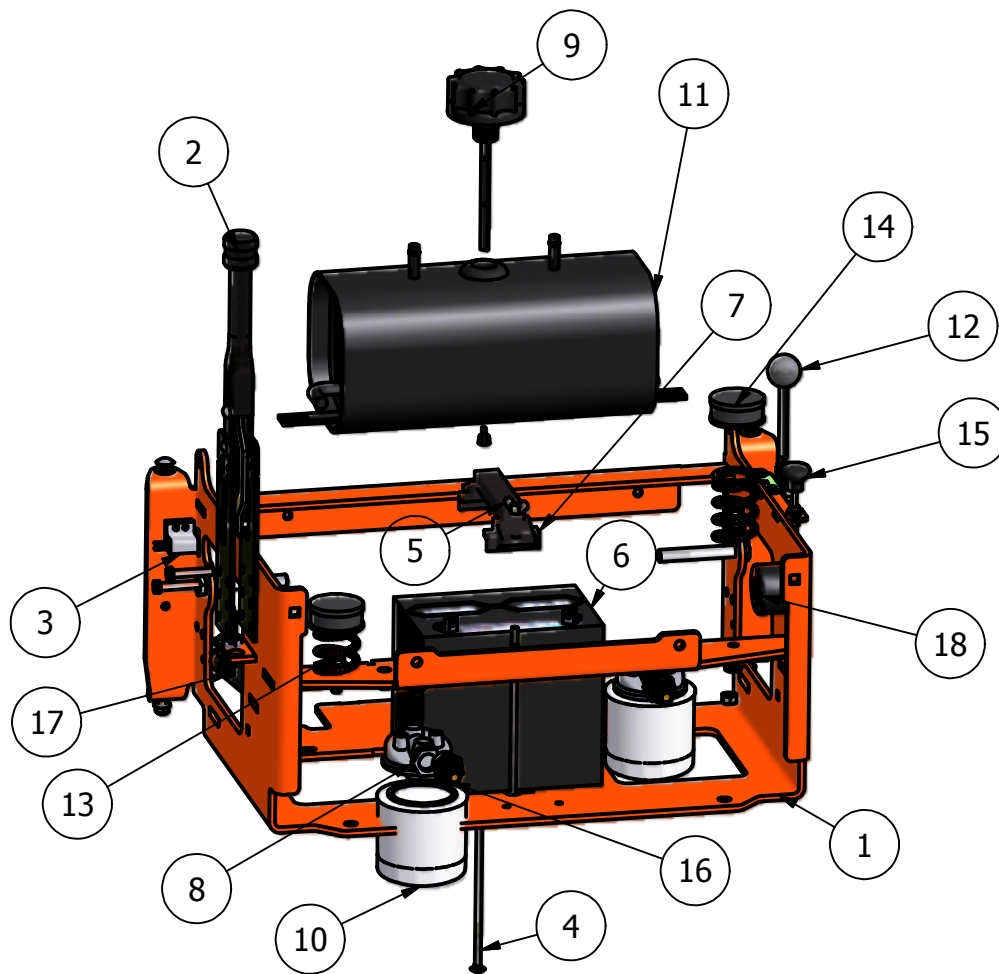


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	092-6000-00	Brake Drum
2	2	024-2050-00	Hydraulic Fitting
3	1	013-7050-00	Castle Nut
4	4	018-7016-00	1/2" - 13 x 3" GRS Hex Bolt Zinc
5	4	013-7018-00	1/2" Hex Nut
6	1	020-7022-00	1/8"x2 1/4" Cotter Pin
7	1	042-7041-00	Woodruff Key
8	2	092-6050-00	Brake Pads
9	1	015-5006-98	Wheel Motor and Drum Brake Combo-18E Right
10	1	015-5007-98	Wheel Motor and Drum Brake Combo-18E Left
11	4	019-5007-00	1/2" Lock Washer
12	5	013-3000-00	Acorn Lug Nut
13	1	022-7033-00	12" Rim
14	1	022-7032-00	26" x 12-12 Tire -60"&72" Cut
15	1	022-7031-00	26" Tire and Wheel Assembly



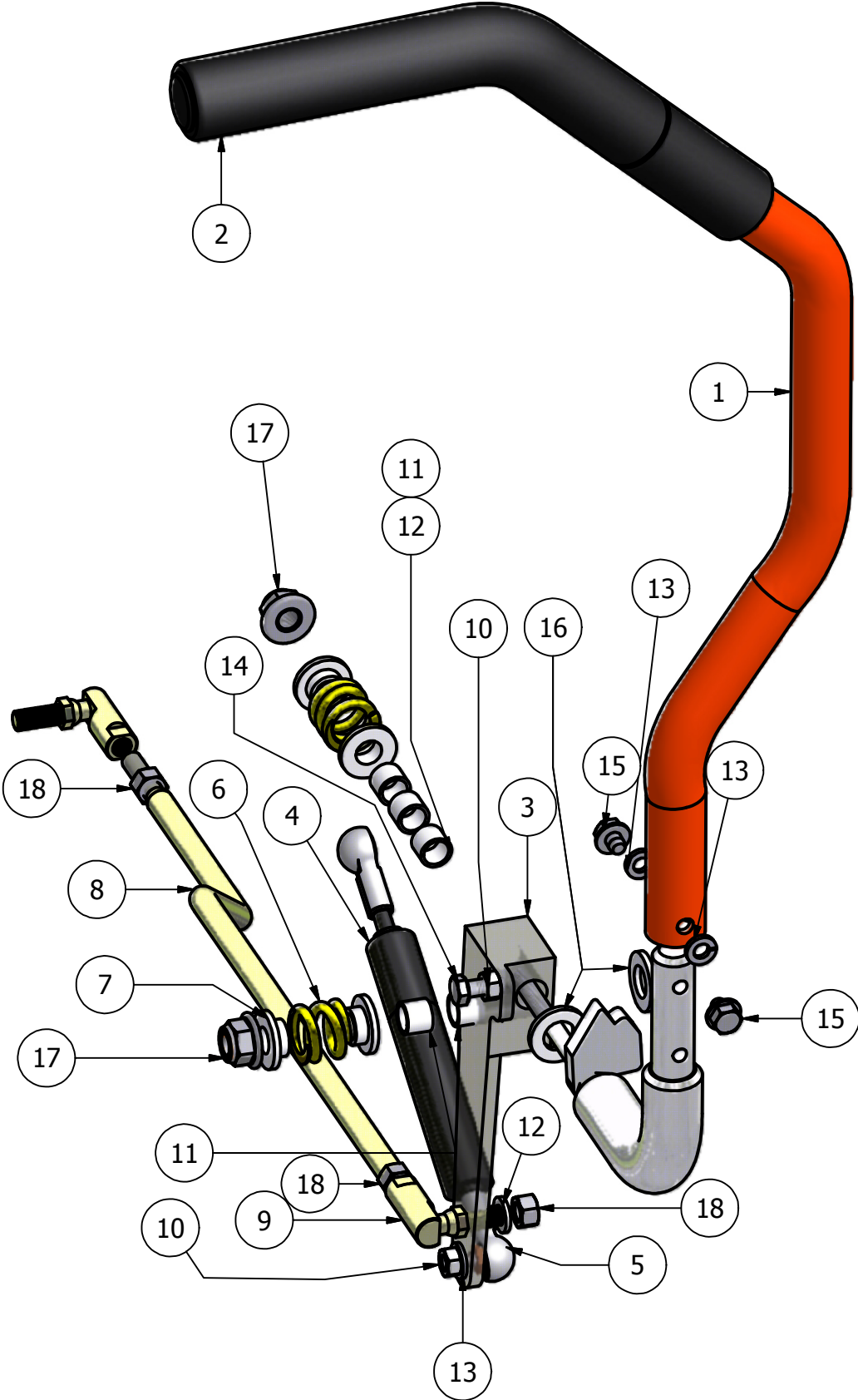
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	079-6000-00	2006 AOS Floor Panel
2	1	081-2007-00	AOS Floor Mat
3	9	018-1050-00	Ratchet Fastener
4	1	064-2005-00	Floor Board Cable
5	1	019-7040-00	1/4" Flat Washer
6	1	019-4008-00	1/4" Lock Washer
7	1	013-8039-00	1/4" Hex Nut
8	1	018-8064-00	1/4" x 5/8" Buttonhead Bolt

2009 Seat Frame

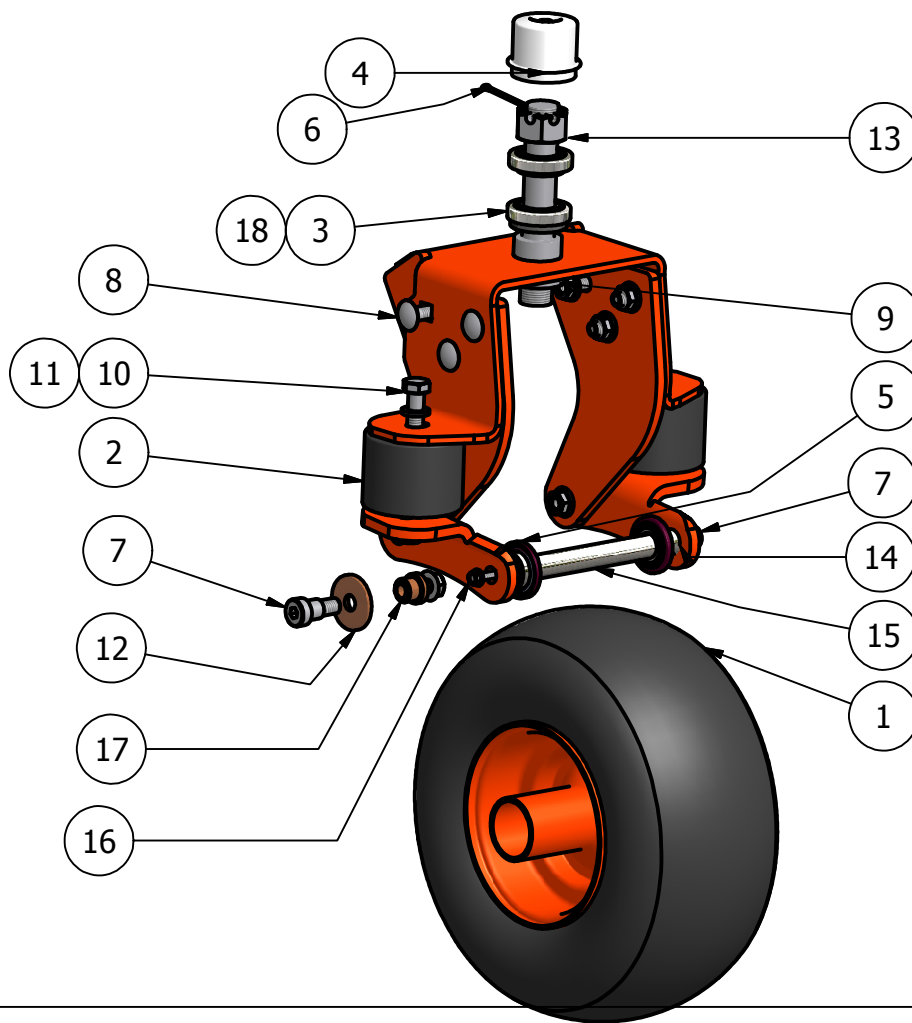


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	080-6010-00	Seat Frame
2	1	069-8054-00	Brake Lever
3	3	077-8073-00	Safety Switch
4	2	018-8051-00	8" Stove Bolt (Diesel Gets 9")
5	2	013-8051-00	1/4" Wing Nut
6	1	068-8049-00	Battery
7	1	043-8929-00	Battery Hold-Down
8	2	062-8013-00	Filter Head
9	1	066-8050-00	Hydraulic Tank Cap
10	2	063-8014-00	Hydraulic Filter
11	1	067-2009-00	Steel Hydraulic Tank
12	1	055-8017-00	Throttle (32HP Briggs 055-8021-00)
13	2	034-8045-00	Seat Spring
14	2	014-8045-00	1 1/2" Spring Cap Cover
15	1	054-8016-00	Choke (All Kohlers 054-8017-00)
16	4	024-5050-00	Filter Head Fitting
17	1	064-8055-00	Brake Cable Short (Long)
18	1	029-8059-00	Buzzer 26 & 27 HP Kawasaki

Drive Arms



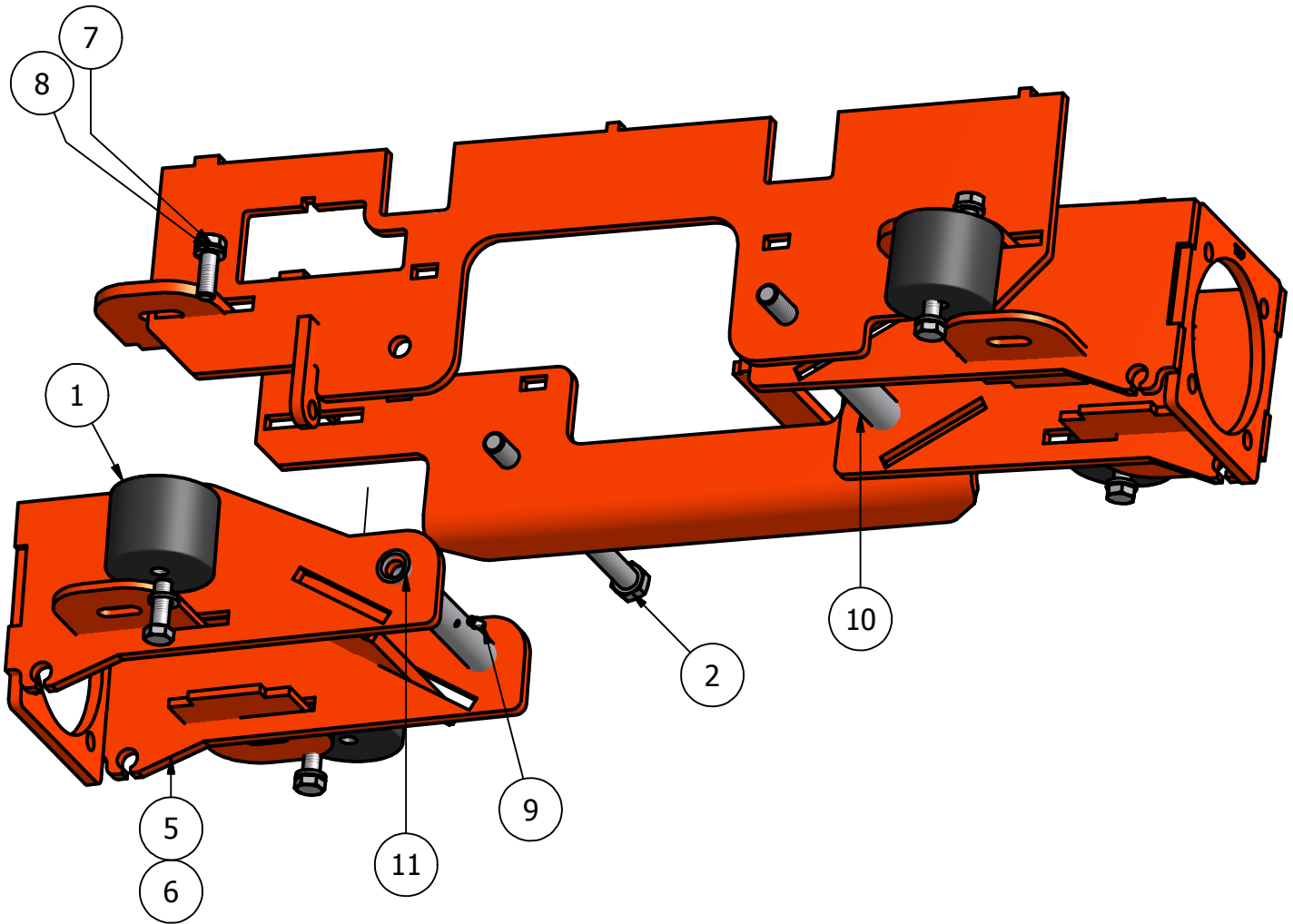
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	031-8822-00/031-8821-00	Right Drive Arm/Left
2	2	069-4010-00	Rubber Steering Handle
3	1	027-8819-00/027-8820-00	Left Drive Arm Lever Housing/Right
4	2	087-8080-00	Damper
5	2	018-2050-00	10mm Damper Ball Stud
6	4	034-8025-00	Drive Lever Spring
7	8	019-8027-00	.515 ID Nylon Shoulder Washer
8	2	035-4800-00	Push Rod
9	4	099-6046-00	3/8"-24 Ball Joint (Female /Male)
10	4	013-8043-00	5/16" Nut
11	10	032-8024-00	.507 ID Nylon Bushing
12	4	019-5037-00	3/8" Lock Washer
13	6	019-8051-00	5/16" Lock Washer
14	2	018-8063-00	5/16" x 3/4" Hex Bolt
15	4	018-2007-00	5/16" x 1/2" Flange Bolt
16	4	019-8054-00	.505 ID Plastic Washer
17	4	013-8050-00	1/2" Flange Lock Nut
18	8	013-6051-00	3/8" Fine Thread Nut



Parts List

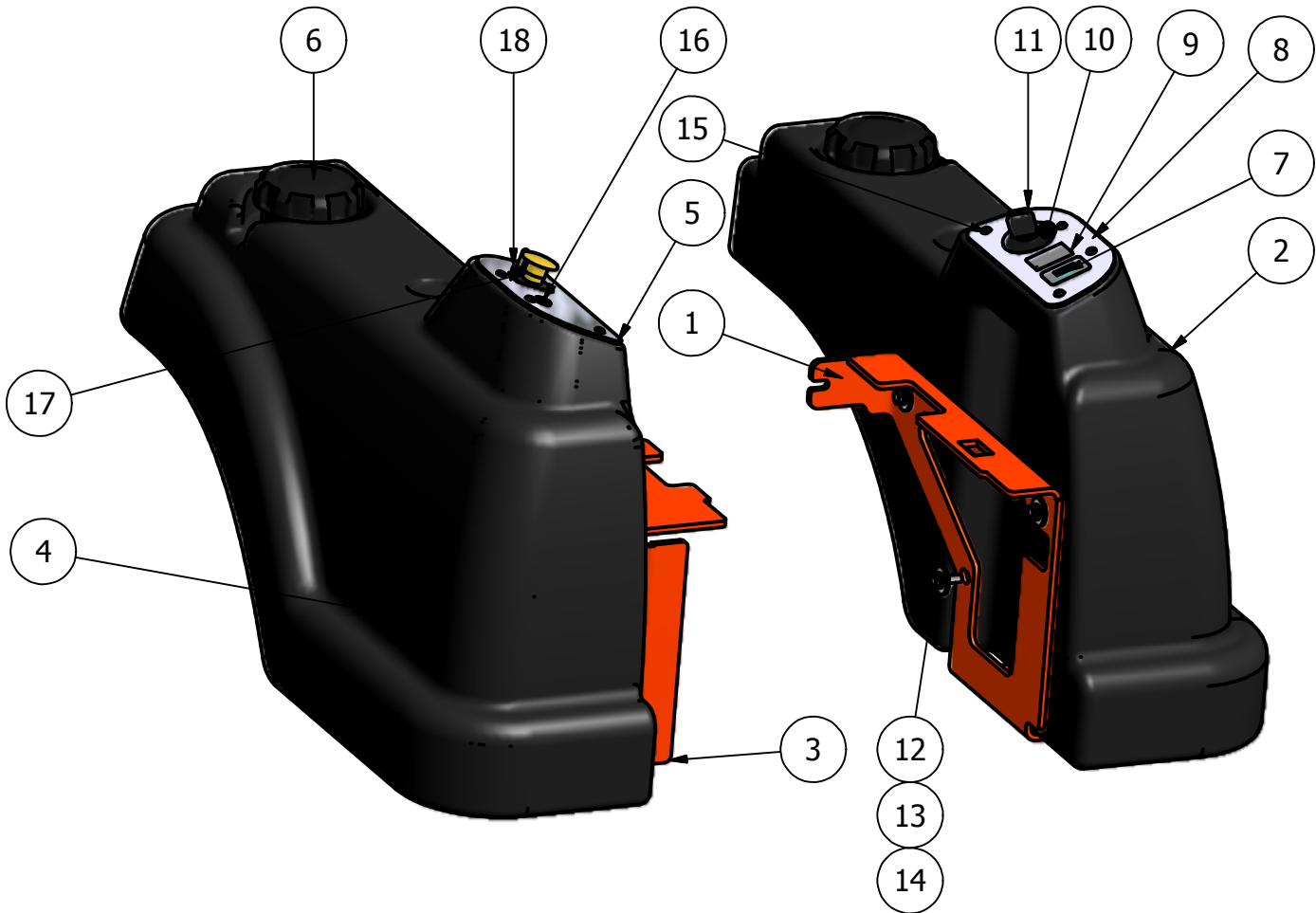
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	022-3060-00	13"x6.50-6 Tire &Wheel
2	2	032-9002-00	Rubber Isolator
3	2	010-7001-00	Bearing
4	1	014-7005-00	Dust Cover
5	2	022-7010-00	5/8" Bearing
6	1	020-7022-00	Cotter Pin
7	2	018-3001-00	5/8"x5/8" Shoulder Bolt
8	6	018-3003-00	1/2"x1 1/4"Carrige Bolt
9	8	013-5300-00	1/2" Flange Nut
10	4	018-5006-00	1/2" 1 1/2" Hex Bolt
11	4	019-5007-00	1/2" Lock Washer
12	2	019-5038-00	5/8" Flat Washer
13	1	013-7004-00	1" Fine Threaded Castle Nut
14	2	025-7036-00	1/2" ' Collar Spacer
15	1	025-5202-00	7"x 1/2" ID Tire Spacer
16	1	018-3002-00	1/2" x 10" Bolt
17	2	032-5052-00	5/8" Shoulder Bushing
18	2	011-7002-00	Race

Suspension

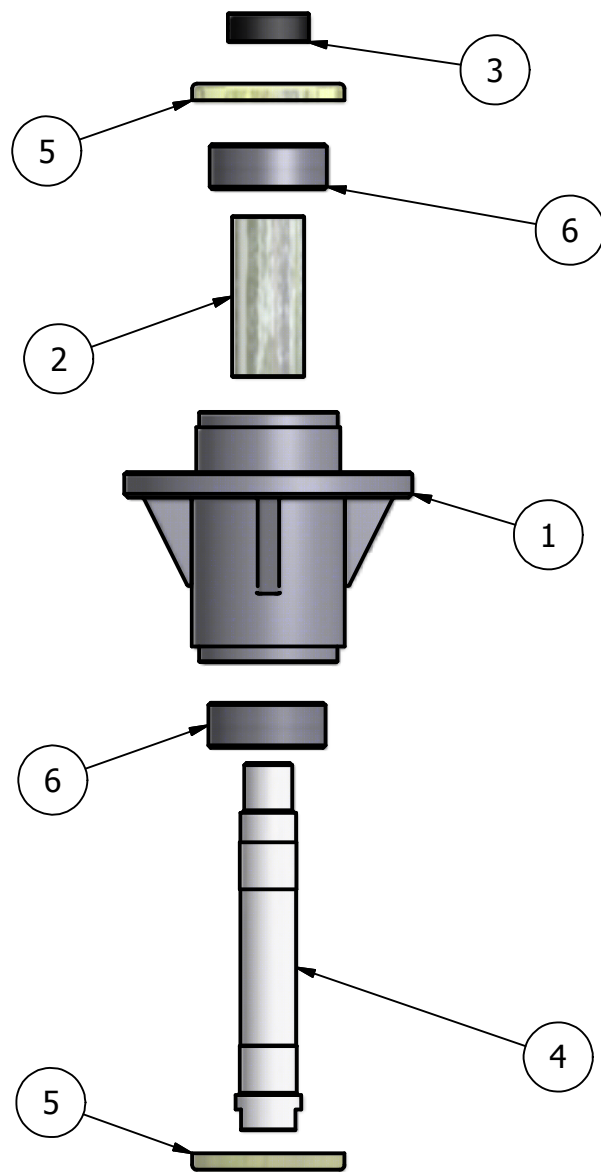


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	032-9000-00	Vibration Mount
2	2	018-2051-00	5/8" x 10" Hex Bolt (Grade 8)
3	2	013-5301-00	5/8" Nylock 1/2 Jam
4	2	013-5020-00	5/8" Nut
5	2	070-8000-00	60" Inner Suspension Cage
6	2	070-8001-00	72" Inner Suspension Cage
7	8	018-5006-00	1/2" x 1 1/2" Hex Bolt
8	8	019-5007-00	1/2" Lock Washer
9	2	024-6034-00	Grease Fitting (Drive-In)
10	4	032-5051-00	Shoulder Spacer
11	4	032-6033-00	3/4" Brass Bushing

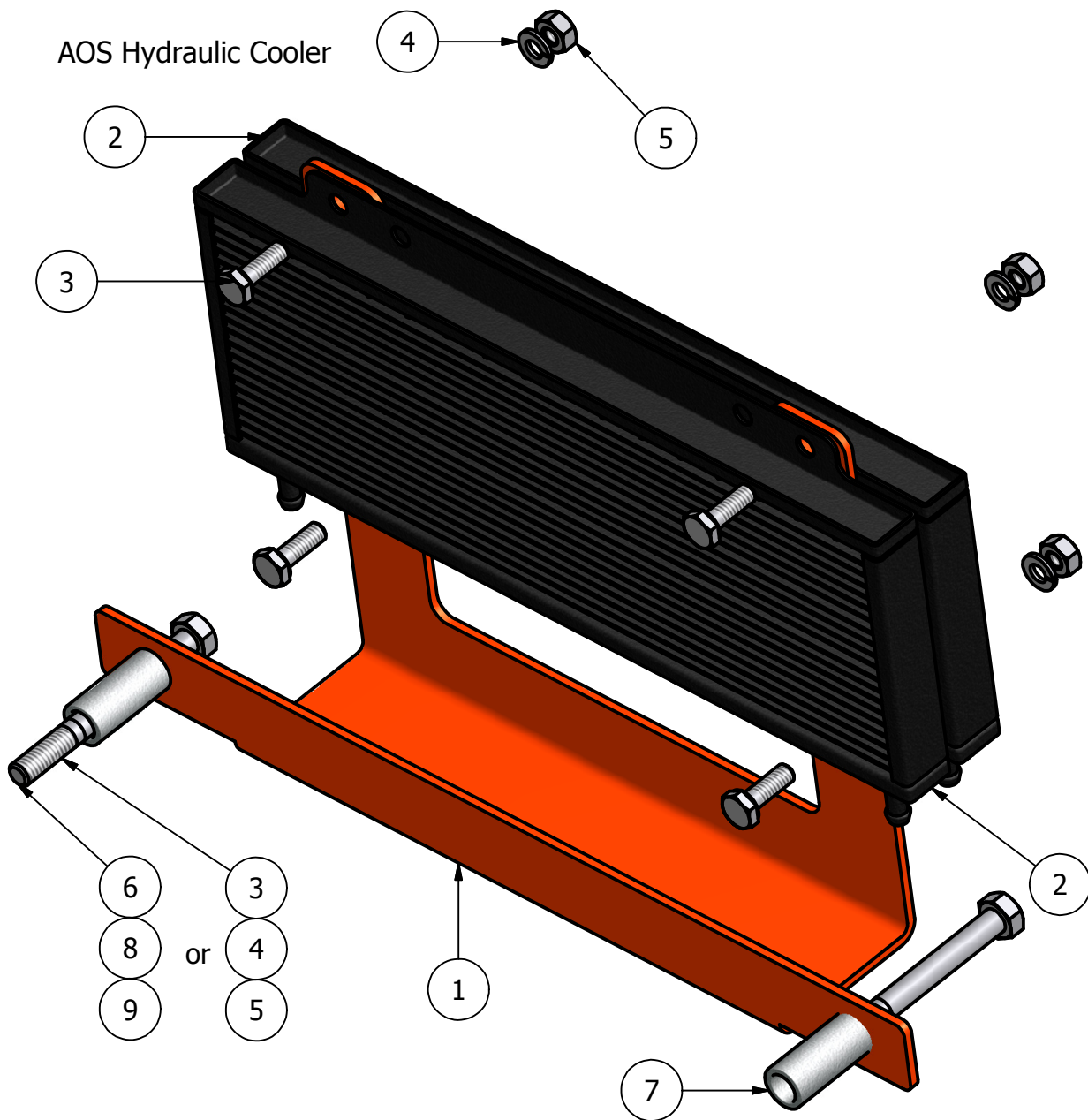
AOS Tanks



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	031-2006-00	Left Fuel Tank Swing Support
2	1	067-3000-00	Left Fuel Tank with Fender
3	1	031-2011-00	Fuel Tank Support (Right)
4	1	067-3001-00	Right Fuel Tank with Fender
5	1	079-3403-00	AOS control panel (Right)
6	2	066-8076-00	Fuel Cap
7	1	083-4013-00	Tachometer
8	1	079-3402-00	Control Panel (Left)
9	1	018-1040-00	control panel stop
10	1	077-8076-00	Ignition Switch
11	1	042-9000-00	Ignition Key
12	10	018-5015-00	5/16" x 1" Hex Bolt
13	10	019-8051-00	5/16" Lock Washer
14	5	019-8054-00	.505 Nylon Spacer
15	8	018-5301-00	10mm x 32 x 1" Bolt
16	1	089-1000-00	Oil Light
17	1	056-8058-00	PTO Engager
18	1	078-8077-00	Deck Lift Joystick



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	037-8005-00	Spindle Housing
2	1	037-8003-00	Spindle Spacer
3	1	037-9050-00	Spindle Coller
4	1	037-8000-00	Spindle
5	2	037-8002-00	Bearing Cover
6	2	037-8001-00	Bearing



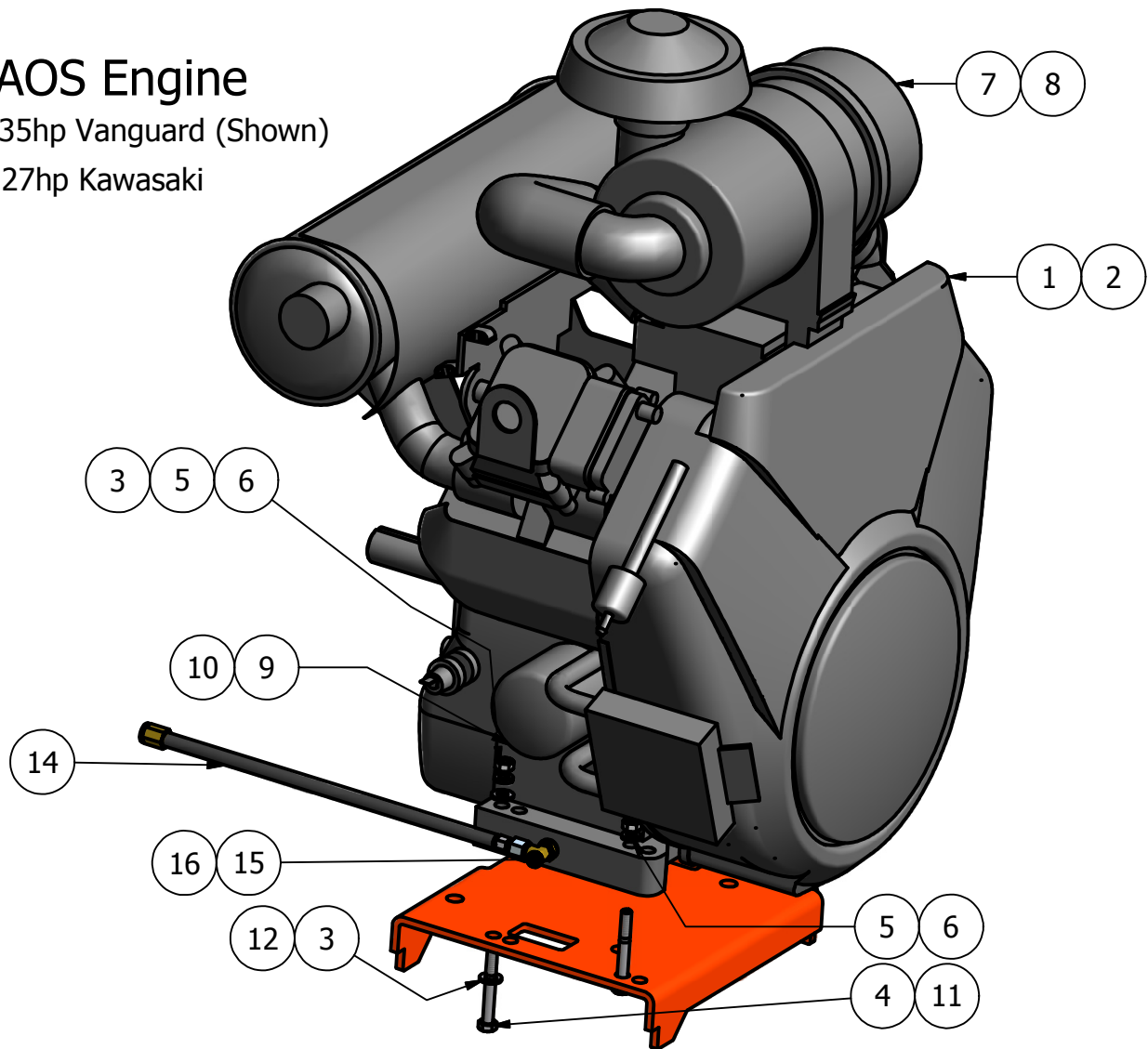
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	057-5950-00	Cooler Holder
2	2	061-8012-00	Hydraulic Cooler
3	4	018-8052-00	1/4" x 3/4" Hex Bolt
4	2	019-4008-00	1/4" Lock Washer
5	2	013-8039-00	1/4" Hex Nut
6	2	018-5355-00	5/16" x 6" Hex Bolt (35hp AOS)
7	2	025-3100-00	5" Cooler Holder Spacer (35hp AOS)
8	1	019-8051-00	5/16" Lock Washer
9	1	013-8043-00	5/16" Nut

27 Kawasaki Only			
ITEM	QTY	PART NUMBER	DESCRIPTION
3	4	018-8052-00	1/4" x 3/4" Hex Bolt
4	2	019-4008-00	1/4" Lock Washer
5	2	013-8039-00	1/4" Hex Nut

AOS Engine

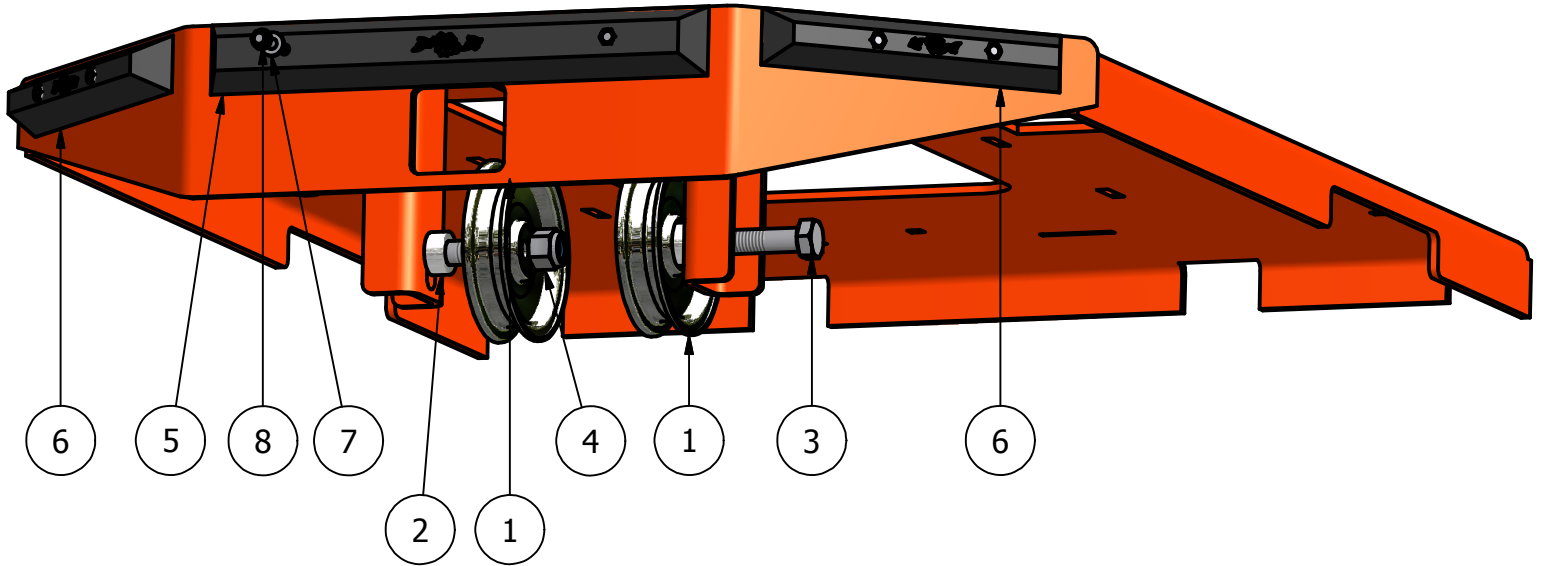
35hp Vanguard (Shown)

27hp Kawasaki



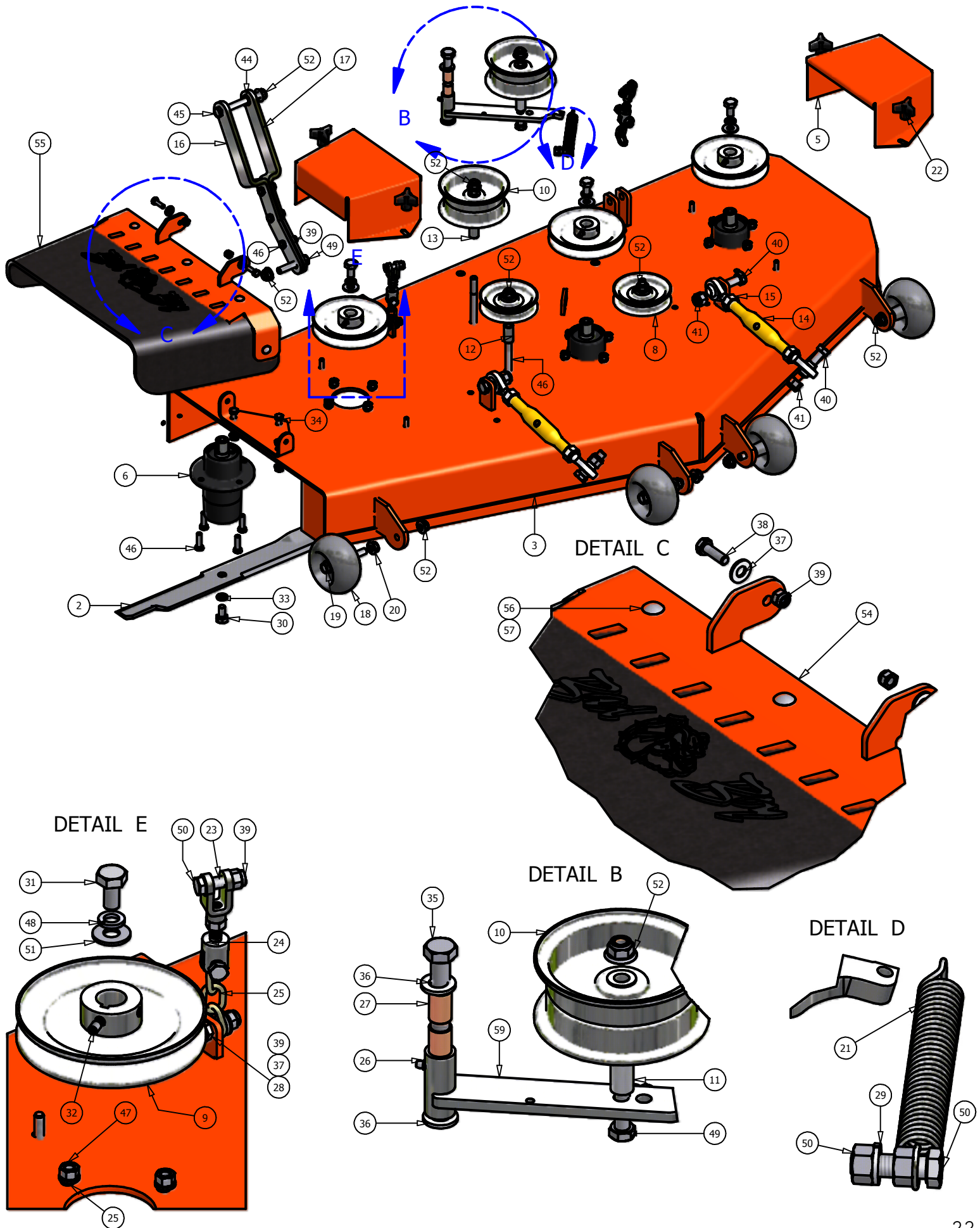
Parts List

ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	015-5405-00	35hp Vanguard Engine
2	1	015-0003-00	27hp Kawasaki Engine with Donaldson Air Filter
3	5	019-8044-00	5/16" Flat Washer (35 Vanguard Only)
4	4	018-5344-00	5/16" x 2 1/2" Bolt (35 Vanguard Only)
5	4	019-8051-00	5/16" Lock Washer (35 Vanguard Only)
6	4	013-8043-00	5/16" Nut (35 Vanguard Only)
7	1	063-8019-00	Air Filter (Outer Canister)
8	1	063-8020-00	Air Filter (Inner Canister)
9	1	063-8018-00	Oil Filter (35hp Vanguard)
10	1	063-8017-00	Oil Filter (27hp Kawasaki)
11	1	018-5028-00	10mm x 552 Bolt (27hp Only)
12	1	019-8053-00	7/16" Lock Washer (27hp Only)
13	1	051-5400-00	Oil Drain Hose (35hp Vanguard)
14	1	051-5401-00	Oil Drain Hose (27hp Kawasaki)
15	1	036-5400-00	Oil Drain Adapter (35hp Vanguard)
16	1	036-5500-00	Oil Drain Adapter (27hp Kawasaki)
17	1	086-2004-00	27hp Kawasaki Wiring Harness
18	1	086-0031-00	35hp Vanguard Wiring Harness



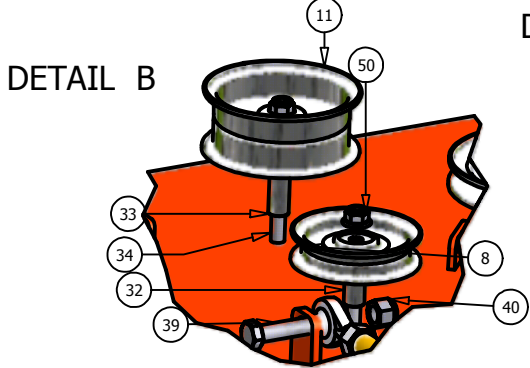
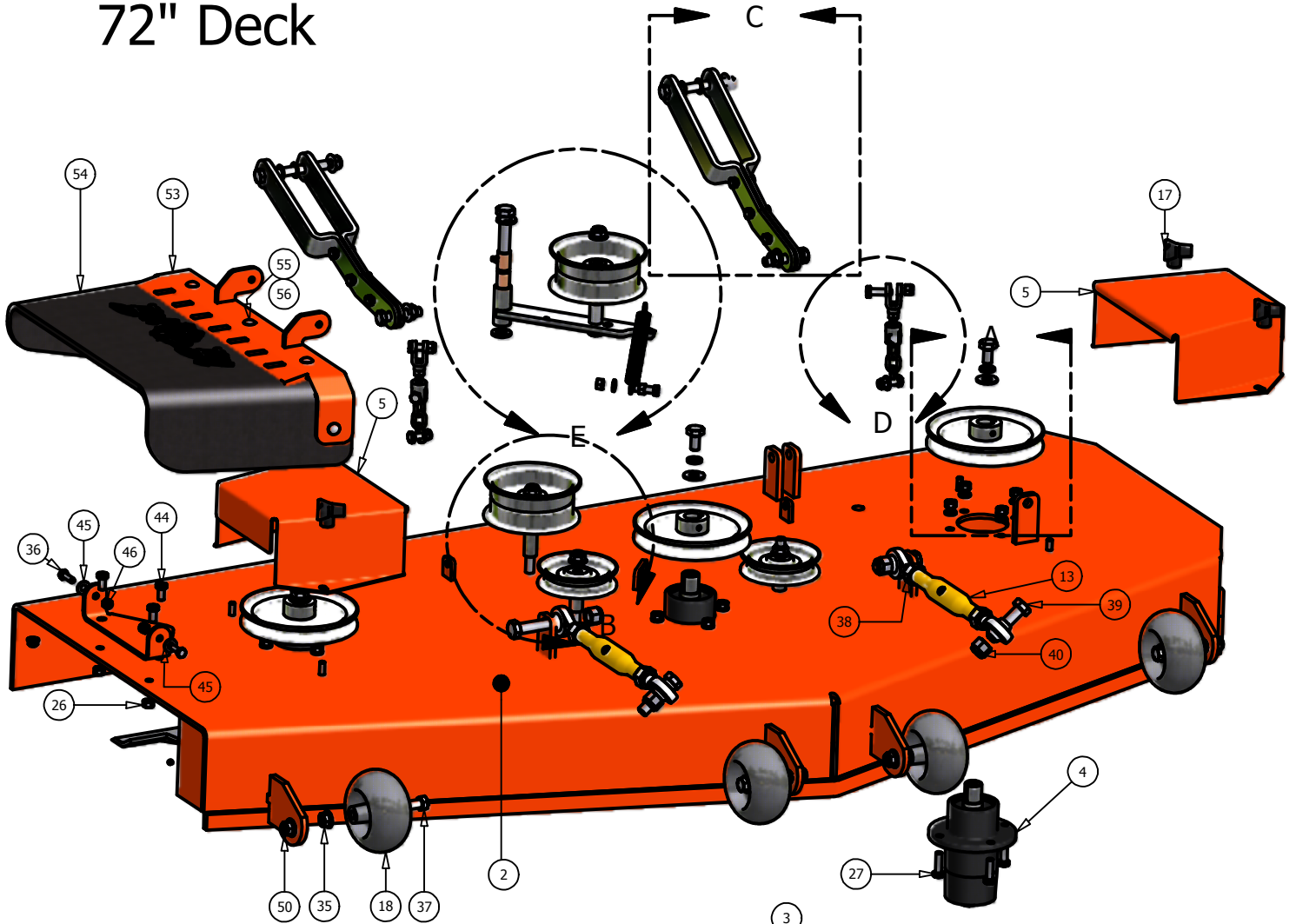
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	033-7025-00	5" V Idler Pulley
2	2	025-7020-00	5/8" x 1/2" Collar Spacer
3	2	018-6059-00	5/8" x 2 1/2" Bolt
4	2	013-7021-00	5/8" Nylock Nut
5	1	029-7037-00	14" Bumper
6	2	029-7038-00	8" Bumper
7	6	019-7040-00	1/4" Flat Washer
8	6	030-7039-00	1/4" x 1 1/2" Self Tapping Screw

60" Deck

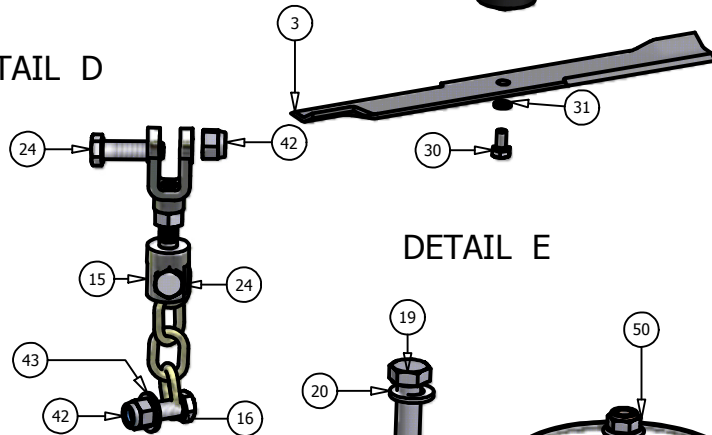


60 Inch Deck Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	041-0219-00	60" Deck Belt
2	3	038-6060-00	60" Fusion Blade
3	1	060-5403-00	60" Deck
4	1	206-6017-00	Dischage Chute Hander
5	2	014-6004-00	Pulley Guard
6	3	037-8000-00	Spindle
7	1	039-6936-00	Deck Idler Pully
8	2	033-6001-00	4 3/4" Idler Pulley
9	3	033-6004-00	6 1/4" Drive Pulley
10	2	033-5001-00	5 3/4" Flat Idler Pulley
11	1	025-5337-00	1 1/4" Pulley Spacer
12	2	025-5338-00	Pup Pulley Spacer
13	1	025-5339-00	1 3/4" Pulley Spacer
14	2	048-6056-00	Turnbuckle
15	2	013-6058-00	3/4" Left Hand Nut
16	2	031-6027-00	Deck Support Arm (Left)
17	2	031-6028-00	Deck Support Arm(Right)
18	6	022-5234-00	Anti-Scalp Roller
19	6	018-5019-00	1/2"x4" Bolt (Grade8)
20	6	013-5300-00	1/2" Flange Nut
21	1	034-2009-00	Deck Idler Spring
22	4	045-6043-00	5/16" Knob
23	2	046-6044-00	Female Yoke
24	2	046-6048-00	Male Yoke
25	2	047-6047-00	3" Chain
26	1	024-6034-00	Grease Fitting
27	2	032-6033-00	5/8" ID x 1 1/8" Brass Bushing
28	2	018-6049-00	3/8" x 1" Hex Bolt
30	13	019-5037-00	3/8" Lock Washer
29	3	018-6021-00	5/8" x 1 1/2" Fine Threaded Bolt
31	3	018-5006-00	1/2" x 1 1/2" Bolt
32	3	030-6029-00	3/8" Set Screw
33	3	019-4807-00	5/8" Lock Washer
34	3	018-5250-00	3/8" x 3/4" Hex Bolt
35	1	018-5311-00	5/8" x 4" Hex Bolt
36	2	019-6017-00	.635 ID Plastic Washer
37	2	019-6042-00	.360 Id Plastic Washer
38	2	018-5015-00	5/16" x 1" Hex Bolt
39	15	013-7021-00	5/16" Nylock Nut
40	4	018-6059-00	5/8" x 2 1/2" Bolt
41	4	013-7021-00	5/8" Nylock Nut
42	3	018-6054-00	1/2" x 3 1/2" Hex Bolt
43	4	019-5010-00	1/2" Brass Washer
44	2	018-7050-00	1/2" x 4 1/2" Bolt
45	18	018-5040-00	3/8" x 1 1/4" Hex Bolt
46	14	013-6014-00	3/8" Hex Nut
47	3	019-5007-00	1/2" Lock Washer
48	2	018-6036-00	1/2" x 2 1/2" Hex Bolt
49	5	018-6012-00	3/8" x 1 1/2" Hex Bolt
50	3	019-6020-00	1/2" Cupped Washer
51	13	013-8050-00	1/2" Flange Lock Nut
52	1	039-4863-00	2007 Lower Hanger
53	1	039-4864-00	2007 Hanger Plate
54	1	210-6005-00	Rubber Side Discharge
55	5	018-5020-00	5/16" x 1 1/2" Carriage Bolt
56	5	013-8049-00	5/16" Nylock Flange Nut
57	1	018-7016-00	1/2" x 3" Bolt
58	3	013-5201-00	3/8" Flange Nut
59	1	019-5029-00	3/8" Flat Washer

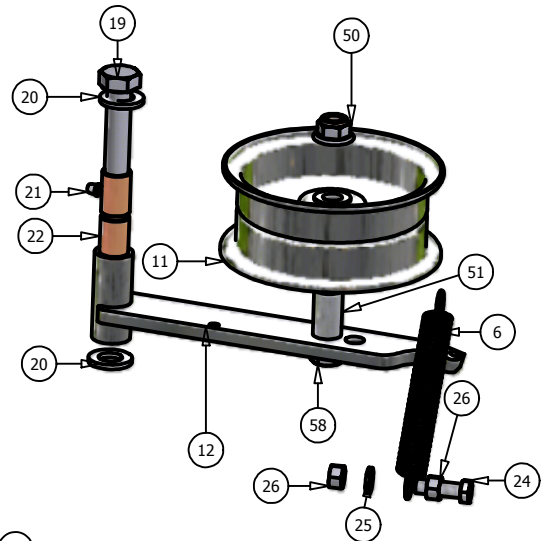
72" Deck



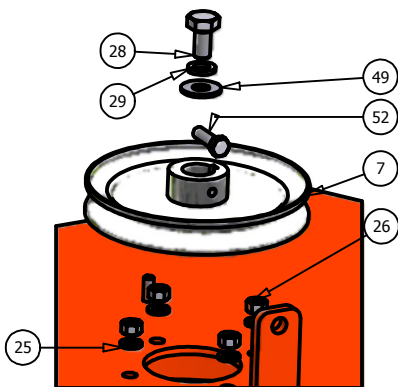
DETAIL D



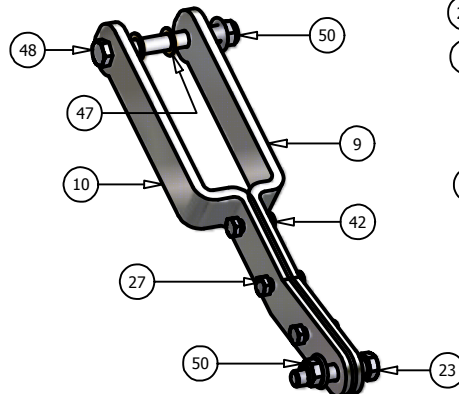
DETAIL E



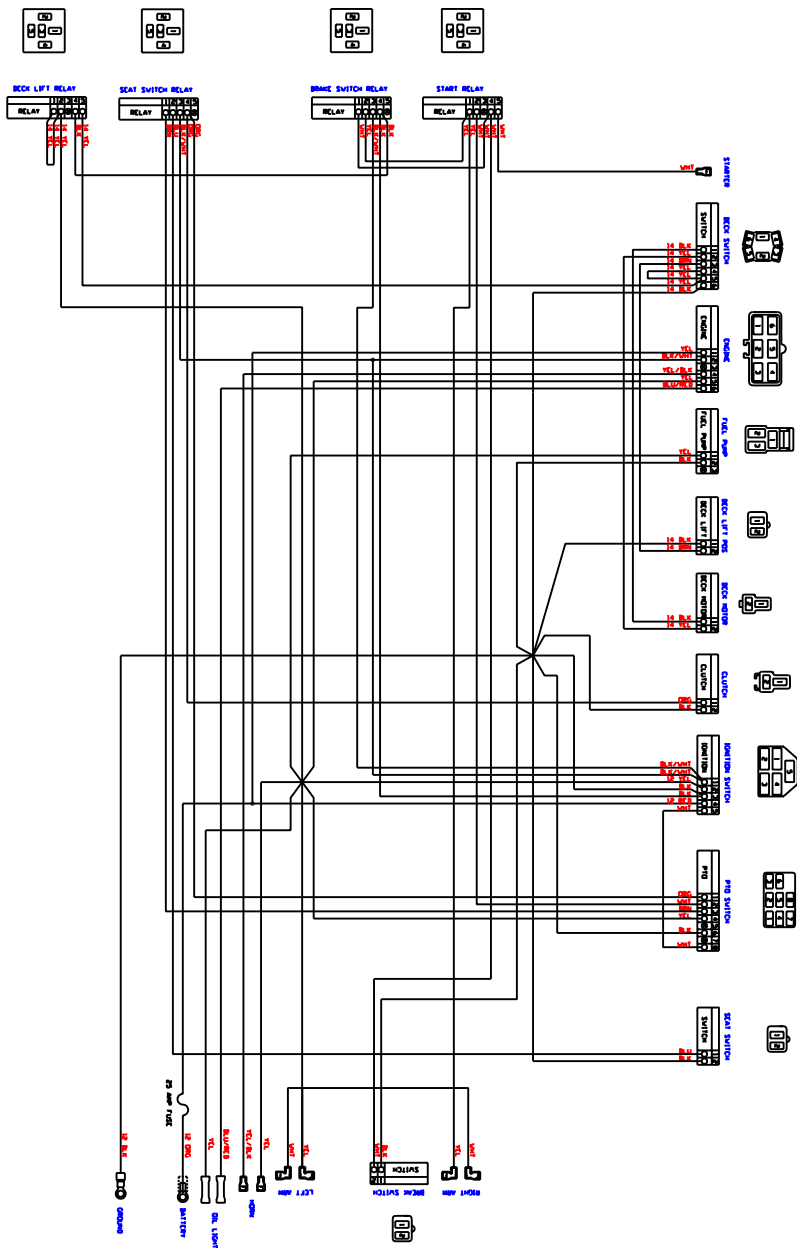
DETAIL A



DETAIL C



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	041-2375-00	72" Deck Belt
2	1	060-7205-00	72" Deck
3	3	038-7230-00	72" Fusion Blade
4	3	037-8000-00	Spindle
5	2	014-7204-00	Pulley Guard
6	1	034-2009-00	Deck Idler Spring
7	3	033-7203-00	7" Deck Pulley
8	2	033-6001-00	4 3/4" Idler Pulley
9	2	031-6028-00	Deck Support Arm (Right)
10	2	031-6027-00	Deck Support Arm(Left)
11	2	033-5001-00	5 3/4" Flat Idler Pulley
12	1	039-6936-00	Deck Idler Arm
13	2	048-6056-00	Turnbuckle
14	2	046-6044-00	Female Yoke
15	2	046-6048-00	Male Yoke
16	2	047-6047-00	3" Chain
17	4	045-6043-00	5 /16" Knob
18	6	022-5234-00	Anti-Scalp Roller
19	1	018-5311-00	5/8" x 4" Hex Bolt
20	2	019-6017-00	.635 ID Plastic Washer
21	1	024-6034-00	Grease Fitting (Drive-in Type)
22	2	032-6033-00	5/8" ID x 1 1/8" Brass Bushing
23	2	018-6036-00	1/2" x 2 1/2" Hex Bolt
24	5	018-6012-00	3/8" x 1 1/4" Hex Bolt
25	13	019-5037-00	3/8" Lock Washer
26	17	013-6014-00	3/8" Hex Nut
27	18	018-5040-00	3/8" x 1 1/4" Hex Bolt
28	3	018-6019-00	1/2" x 1 1/2" Fine Thread Bolt
29	3	019-5007-00	1/2" Lock Washer
30	3	018-6021-00	5/8" x 1 1/2" Fine Thread Bolt
31	3	019-4807-00	5/8" Lock Washer
32	2	025-5338-00	1 1/2" Pulley Spacer
33	1	025-5339-00	1 3/4" Pulley Spacer
34	1	018-6054-00	1/2" x 3 1/2" Bolt
35	6	013-5300-00	1/2" Flange Nut
36	6	018-5015-00	5/16" x 1" Hex Bolt
37	6	018-5019-00	1/2" x 4" Bolt
38	2	013-6058-00	3/4" Left Handed Nut
39	4	018-6059-00	5/8" x 2 1/2" Hex Bolt
40	5	013-7021-00	5/8" STD NC Nylock Nut
41	2	013-6051-00	3/8" Fine Threaded Jam Nut
42	2	019-5029-00	3/8" Flat Washer
43	3	018-5250-00	3/8" x 3/4" Hex Bolt
44	2	019-6042-00	.360 ID Plastic Washer
45	14	013-8047-00	5/16" Nylock Nut
46	4	019-5010-00	1/2" Brass Washer
47	2	018-7050-00	1/2" x 4 1/2" Bolt
48	3	019-6020-00	1/2" Cupped Washer
49	14	013-8050-00	1/2" Flange Lock Nut
50	1	025-5337-00	1 1/4" Pulley Spacer
51	3	030-6029-00	3/8" Hex Bolt
52	1	039-4880-00	2007 Hanger Plate
53	1	210-6005-00	Rubber Side Discharge
54	5	018-5020-00	5/16" x 1 1/2" Carriage Bolt
55	5	013-8049-00	5/16" Nylock Flange Nut
56	1	039-4881-00	2007 Lower Hanger Plate
57	1	018-7016-00	1/2" x 3" Bolt



ALL WIRTS MUST BE WIRTS OR IDENTICAL.

ELECTREX, INC.
 AUTOMOBILE, INC.
 CUSTOMER: _____
 ORDER P/N: _____
 DATE P/N: _____
 DRAWN BY: _____
 DATE: _____

THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF ELECTREX, INC. AND ARE TO BE USED ONLY FOR THE PURPOSES SPECIFIED HEREIN.

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