



www.badboymowers.com

PARTS MANUAL FOR BAD BOY DIESEL MODELS

2009



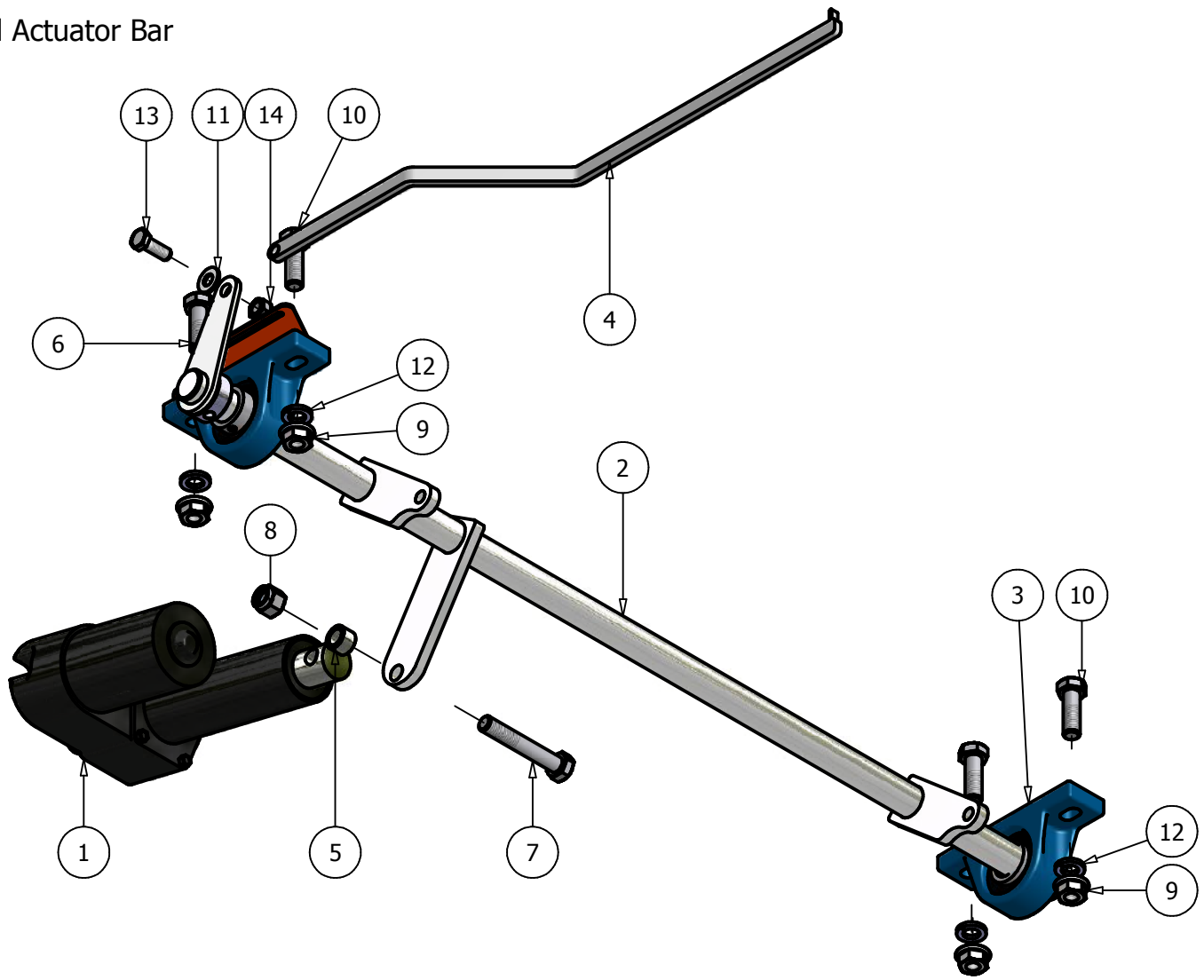
35hp Caterpillar
28hp Caterpillar



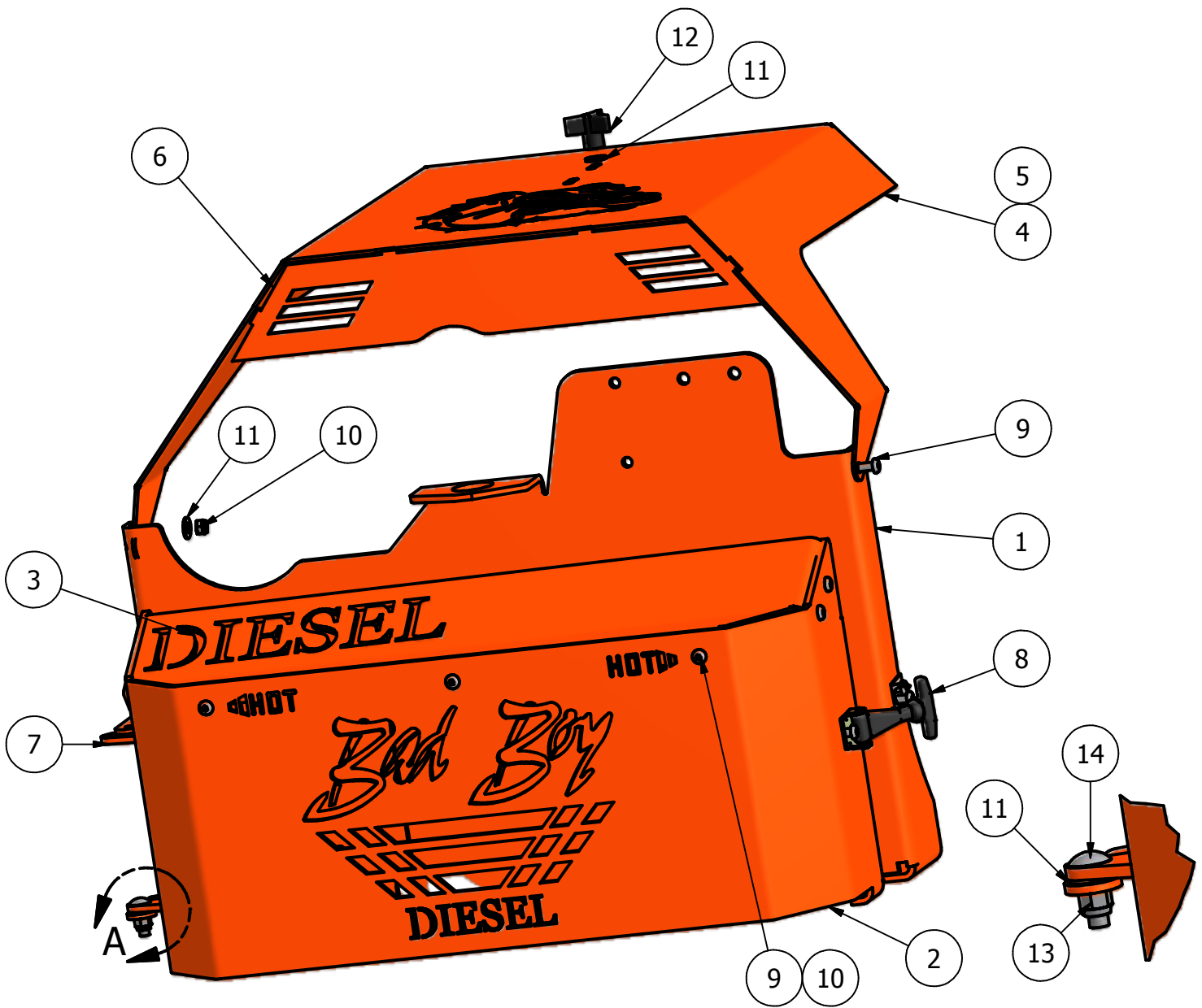
www.badboymowers.com

Actuator Bar	3
Back Panel/Hood	4
AOS Clutch Assembly	5,6
Wheel Motor	7,8
Floor Panel	9
Seat Frame	10
Drive Arm	11,12
Front Wheel Assembly - Suspension	13
Rear Suspension	14
Fuel Tanks	15
Spindle	16
Hydraulic Cooler	17
Engine	18,19
Rear Pulley Assembly	20
Air Filter	21
60" Deck	22,23
72" Deck	24,25
Wiring Schematic	26
Technical Support	27

Diesel Actuator Bar



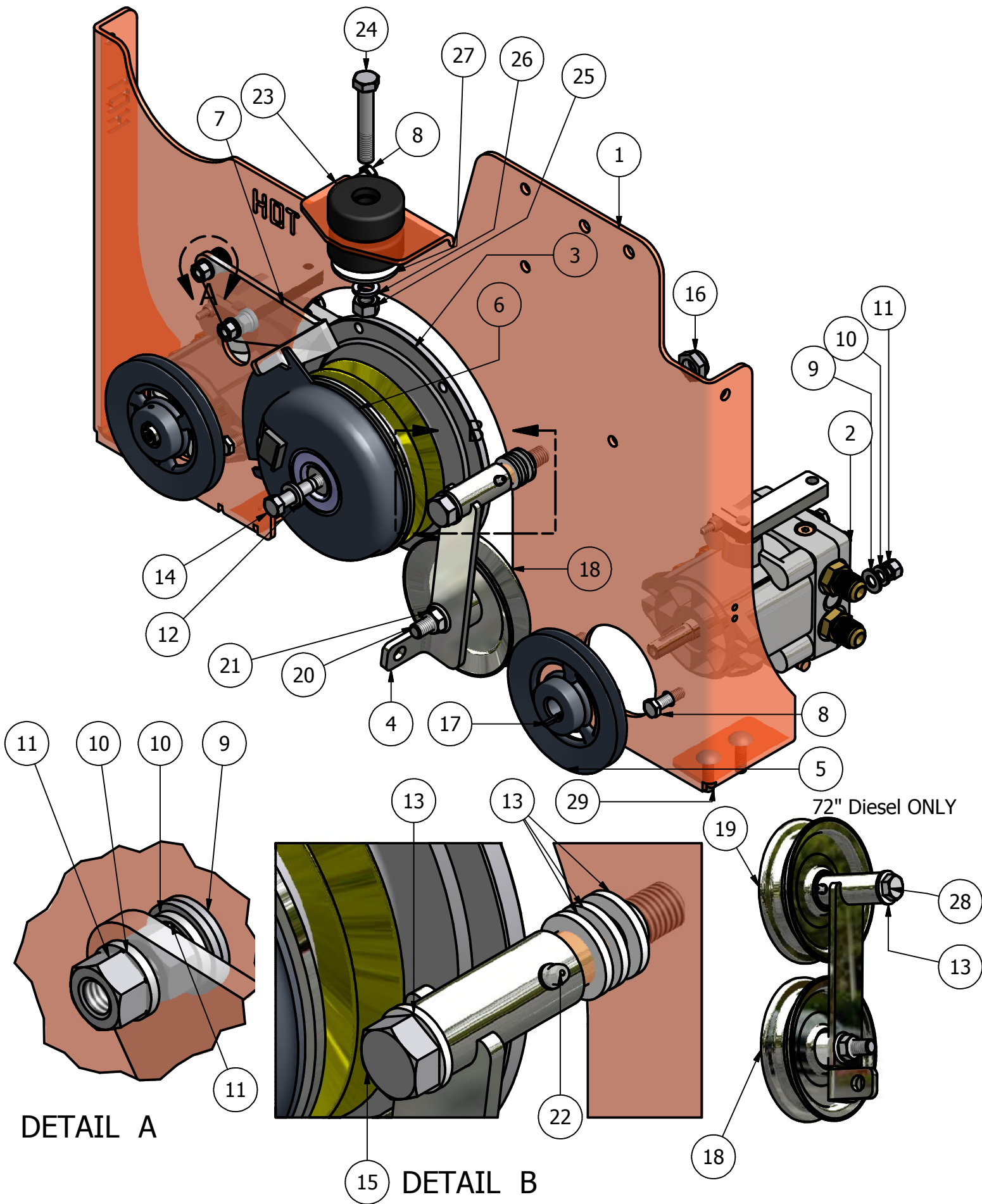
Actuator Bar			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	035-7033-00	Actuator
2	1	028-7930-00	Actuator Bar
3	2	017-7008-00	1" Pillow Block
4	1	028-5203-00	Height Indicator
5	2	019-5702-00	1/2" Washer
6	1	031-7000-00	2006 Height Indicator Lever
7	2	018-6036-00	1/2" x 2 1/2" Hex Bolt
8	2	013-6037-00	1/2" Nylock Nut
9	4	013-5300-00	1/2" Flange Nut
10	4	018-5600-00	1/2" x 1 1/2" Hex Bolt
11	1	019-6042-00	.360 ID Plastic Washer
12	4	019-5007-00	1/2" Lock Washer
13	1	018-6049-00	3/8" x 1" Hex Bolt
14	1	013-5041-00	3/8 Nylock Nut



DETAIL A
SCALE 1 / 3

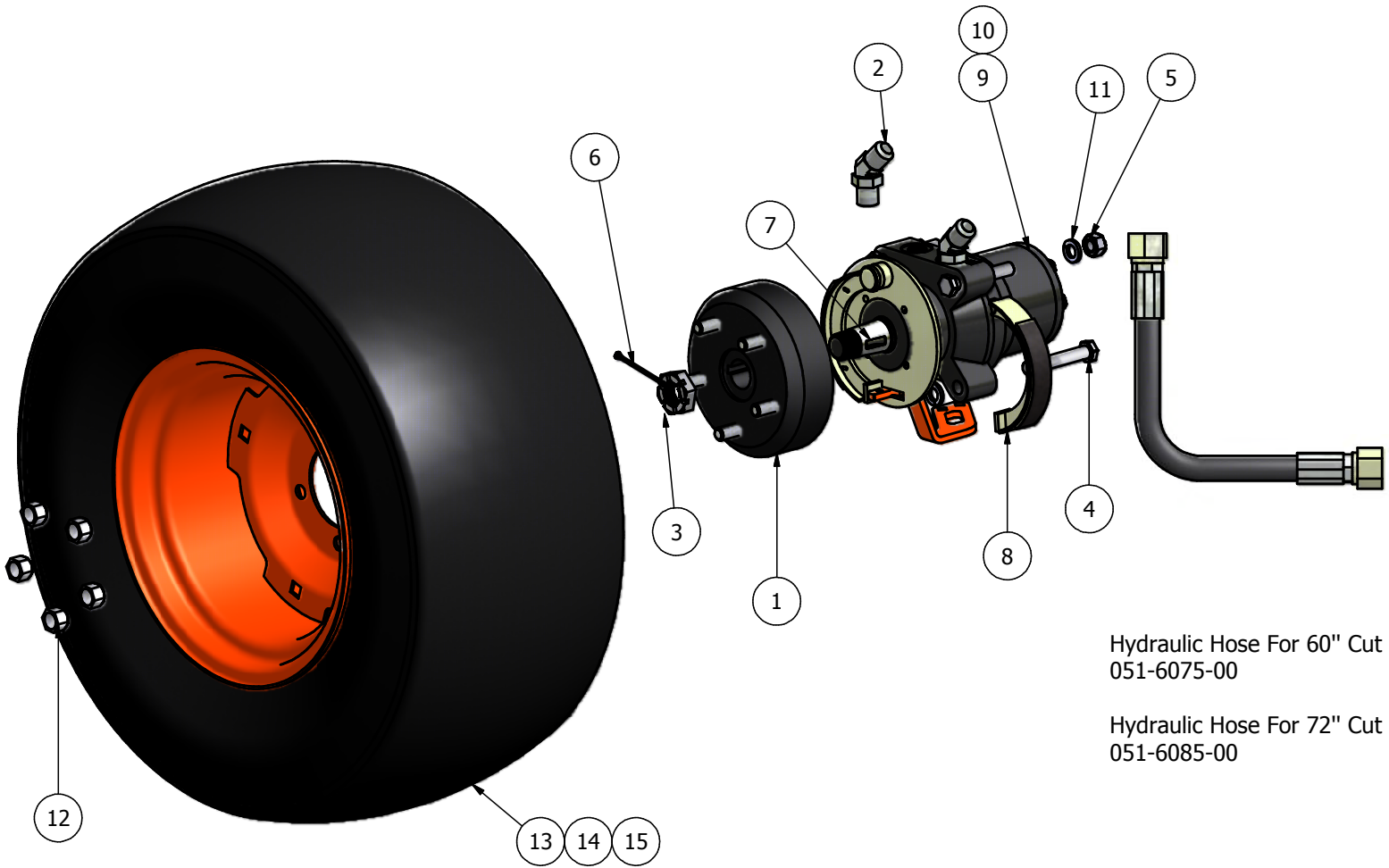
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	026-8030-00	Pump Plate
2	1	014-5920-00	Back Pump Cover
3	1	059-8000-00	Top Back Cover
4	1	059-8010-00	35 HP Hood
5	1	059-8020-00	28 HP Hood
6	1	059-8011-00	Back Cover For Hood
7	1	039-0070-00	Pump Cover Hinge
8	1	052-5020-00	Pump Cover Latch
9	9	018-5007-00	5/16" x 3/4" Bolt
10	9	013-8047-00	5/16" Nylock Nut
11	5	019-6042-00	.360 ID Plastic Washer
12	1	045-6043-00	5/16" Knob
13	2	013-8047-00	5/16" Nylock Nut
14	2	018-8065-00	5/16" x 3/4" Carriage Bolt

Diesel Pump Plate

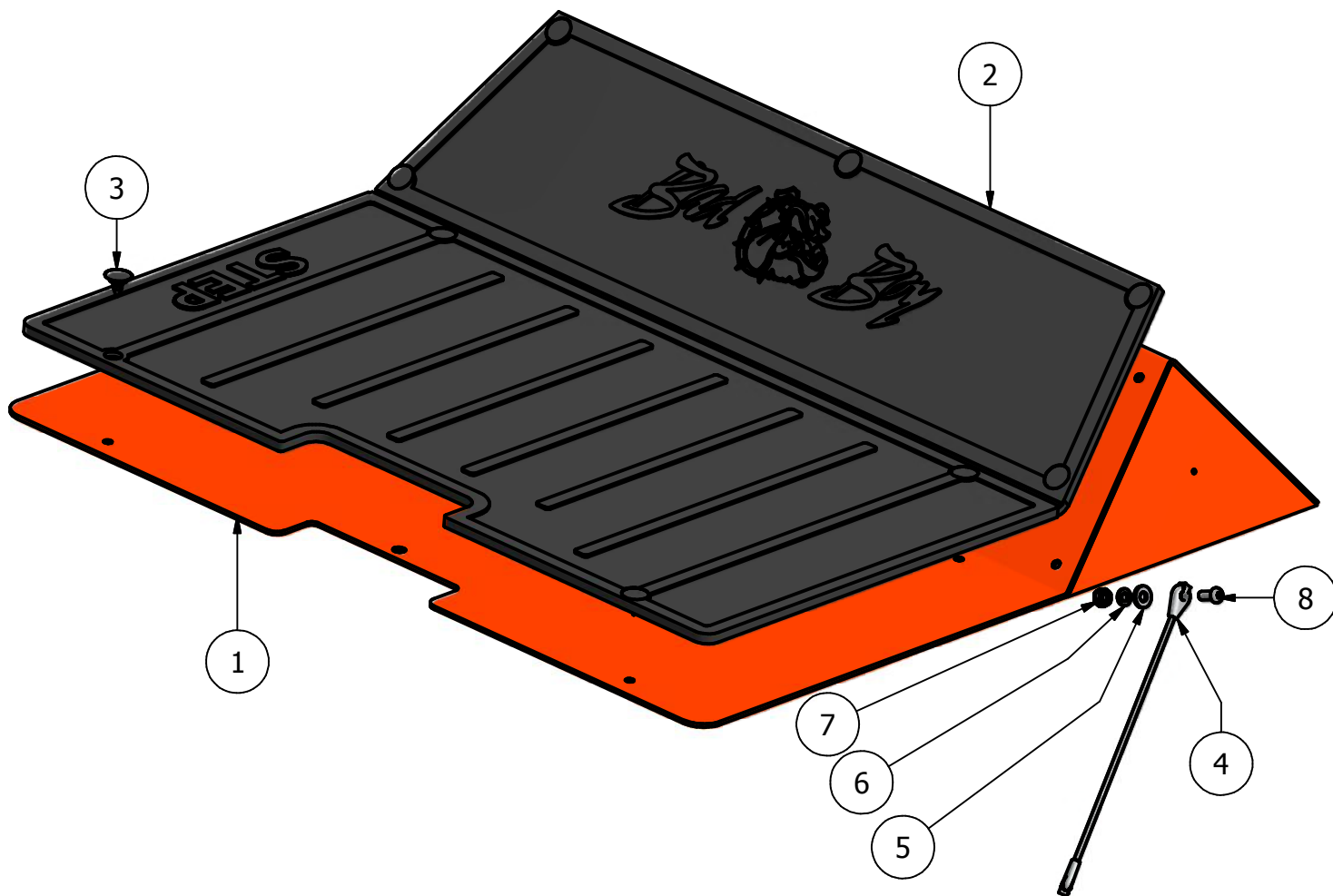


Diesel Clutch Assembly			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	026-8030-00	Diesel Pump Plate
2	2	050-5308-00/ 050-5407-00	Hydraulic Pump (16A) Left/ Right
3	1	017-3000-00	Stub Shaft
4	1	039-5944-00	Pump Idler Bracket
5	2	033-5011-00	5" Pump Pulley
6	1	070-5040-00	Diesel Clutch
7	1	057-5906-00	PTO Engager Holder
8	6	018-6012-00	3/8" x 1 1/2" Hex Bolt
9	8	019-5029-00	3/8" Flat Washer
10	8	019-5037-00	3/8" Lock Washer
11	8	013-6014-00	3/8" Hex Nut
12	1	019-8053-00	7/16" Lock Washer
13	4	019-6017-00	.635 ID Plastic Washer
14	1	018-5401-00	7/16" x 2 3/4" Fine Thread Bolt
15	1	018-5312-00	5/8" x 4 1/2" Hex Bolt (60")
16	1	013-5301-00	5/8" Nylock (1/2 Jam)
17	2	042-5012-00	5mm x 1.25" Key
18	1	033-6001-00	4 3/4" Idler Pulley
19	1	033-4050-00	Diesel Idler Pulley
20	1	018-6036-00	1/2" x 2 1/2" Bolt
21	1	013-8050-00	1/2" Nylock Flange Nut
22	1	024-6034-00	Grease Fitting
23	1	032-4000-00	Rubber Isolator
24	1	018-7016-00	1/2" x 3" Hex Bolt
25	1	013-7018-00	1/2" Hex Nut
26	1	019-5007-00	1/2" Lock Washer
27	1	032-4001-00	Vibration Mount Snubbing Washer
28	1	018-6016-00	5/8" x 5 1/2" Hex Bolt (72")
29	6	018-5043-00	3/8" x 1 1/4" Carriage Bolt

AOS Wheel Motor/Tire and Wheel Assembly

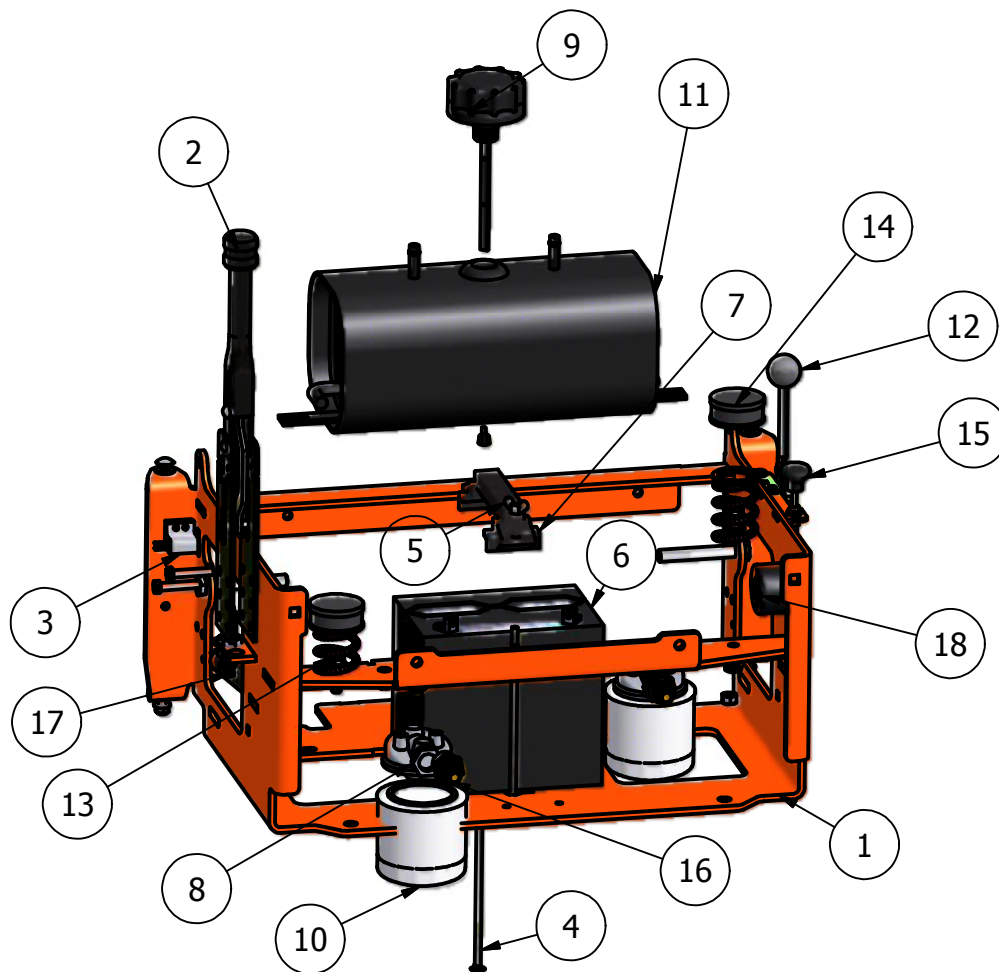


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	092-6000-00	Brake Drum
2	2	024-2050-00	Hydraulic Fitting
3	1	013-7050-00	Castle Nut
4	4	018-7016-00	1/2" - 13 x 3" GRS Hex Bolt Zinc
5	4	013-7018-00	1/2" Hex Nut
6	1	020-7022-00	1/8"x2 1/4" Cotter Pin
7	1	042-7041-00	Woodruff Key
8	2	092-6050-00	Brake 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



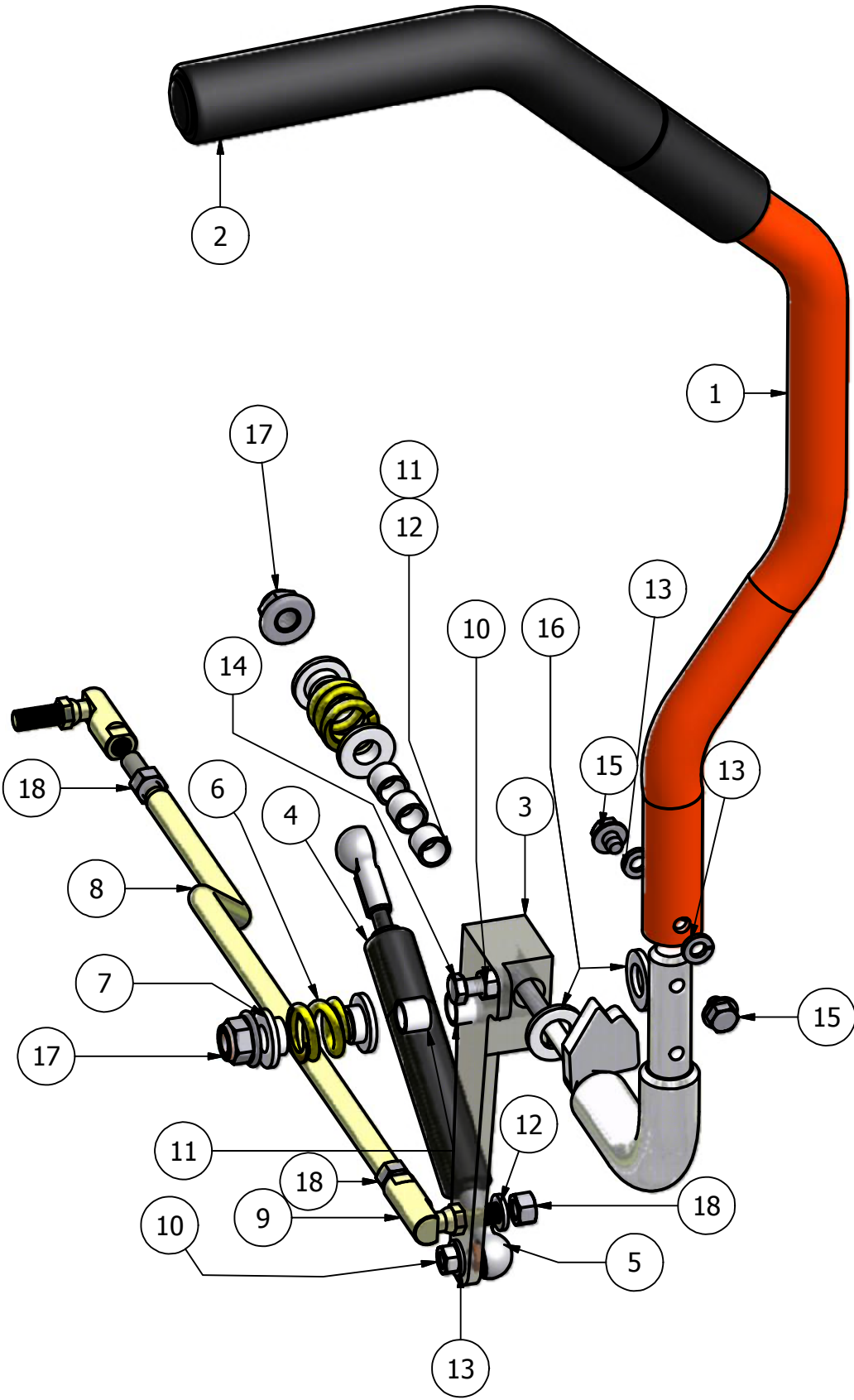
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	079-6000-00	2006 AOS Floor Panel
2	1	081-2007-00	AOS Floor Mat
3	9	018-1050-00	Ratchet Fastener
4	1	064-2005-00	Floor Board Cable
5	1	019-7040-00	1/4" Flat Washer
6	1	019-4008-00	1/4" Lock Washer
7	1	013-8039-00	1/4" Hex Nut
8	1	018-8064-00	1/4" x 5/8"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

2009 Seat Frame

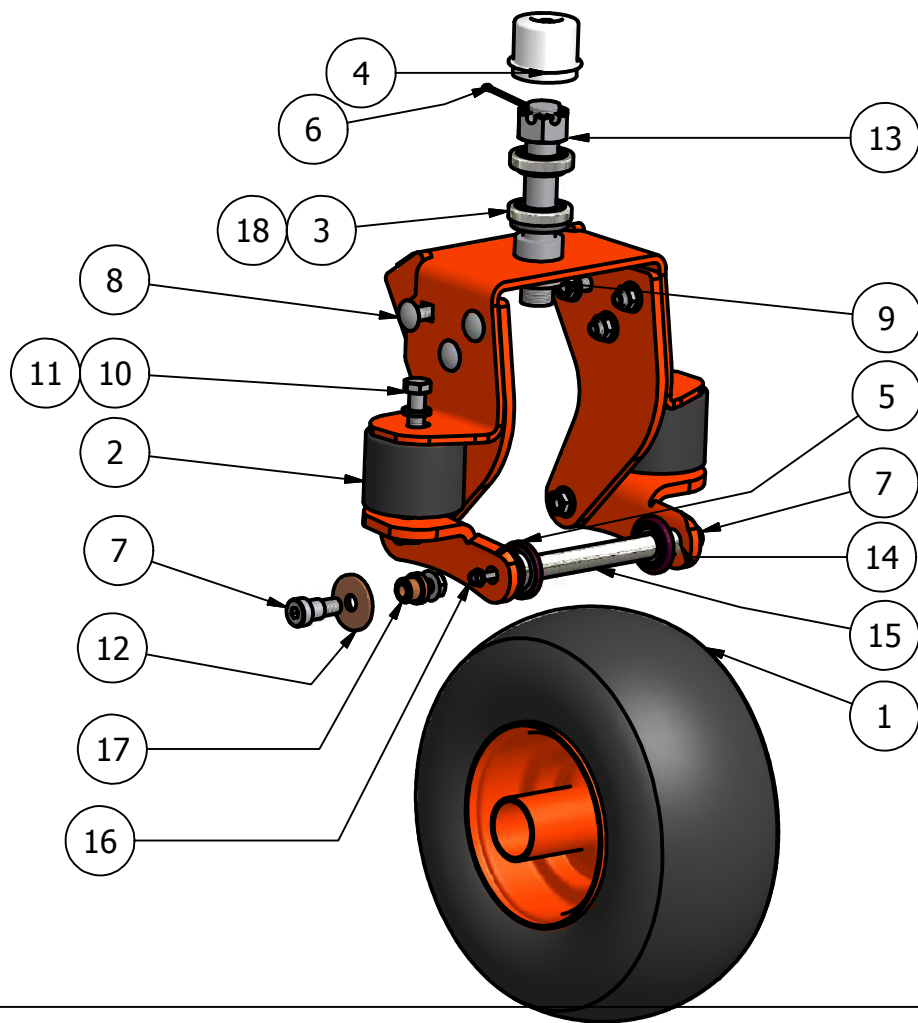


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	080-6010-00	Seat Frame
2	1	069-8054-00	Brake Lever
3	3	077-8073-00	Safety Switch
4	2	018-8051-00	8" Stove Bolt (Diesel Gets 9")
5	2	013-8051-00	1/4" Wing Nut
6	1	068-8050-00	Battery
7	1	043-8929-00	Battery Hold-Down
8	2	062-8013-00	Filter Head
9	1	066-8050-00	Hydraulic Tank Cap
10	2	063-8014-00	Hydraulic Filter
11	1	067-2009-00	Steel Hydraulic Tank
12	1	055-8018-00	Throttle
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	024-5203-00	Filter Head Fitting
17	1	064-8055-00	Brake Cable Short (Long)
18	1	029-8059-00	Buzzer 26 & 27 HP Kawasaki
19	1	077-6000-00	Momentary Start Switch-Diesel

Drive Arms



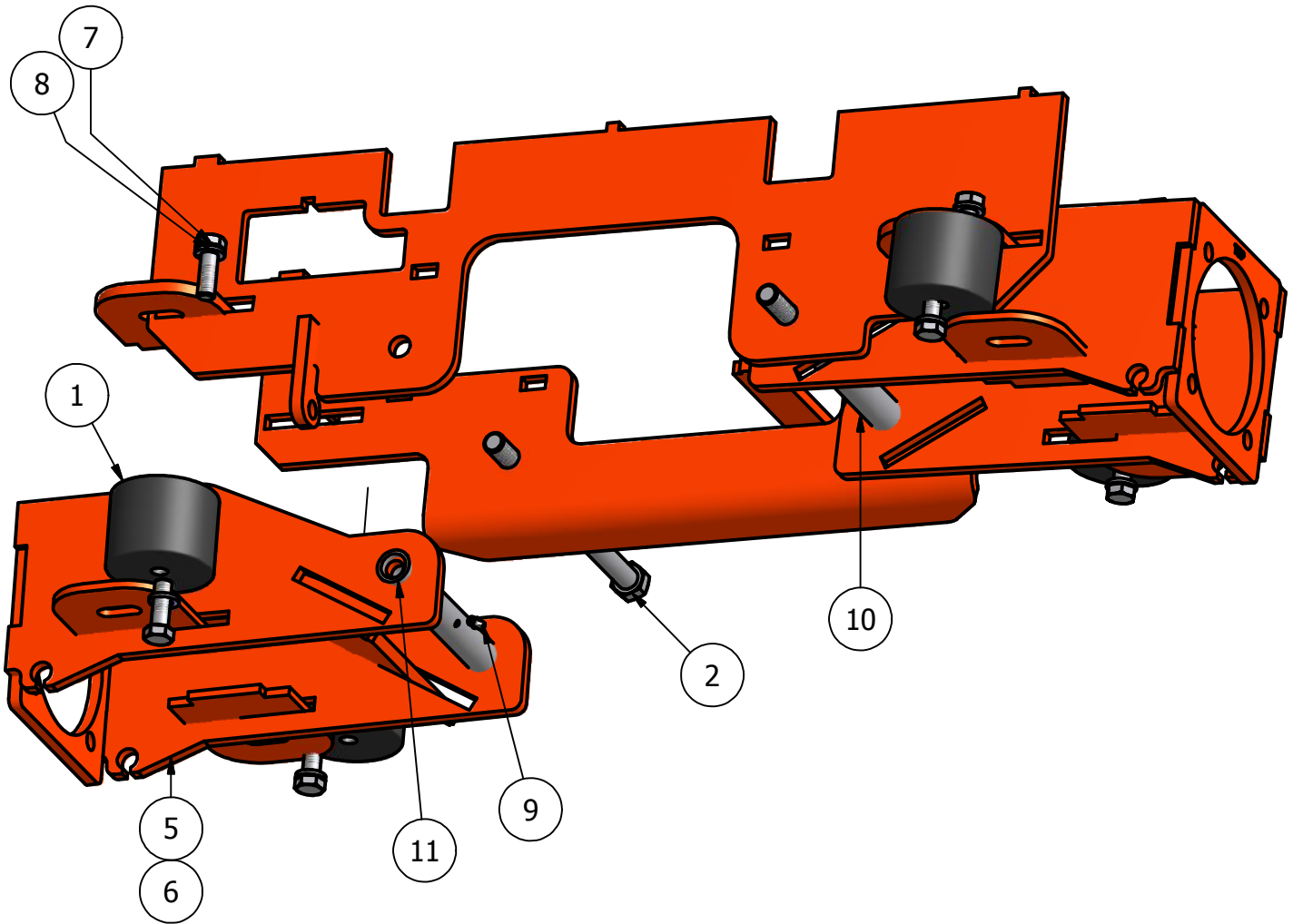
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	031-8822-00/031-8821-00	Right Drive Arm/Left
2	2	069-4010-00	Rubber Steering Handle
3	1	027-8819-00/027-8820-00	Left Drive Arm Lever
4	2	087-8080-00	Damper
5	2	018-2050-00	10mm Damper Ball Stud
6	4	034-8025-00	Drive Lever Spring
7	8	019-8027-00	.515 ID Nylon Shoulder Washer
8	2	035-6050-00	Push Rod
9	4	099-6046-00	3/8-24 Ball Joint
10	4	013-8043-00	5/16" Nut
11	10	032-8043-00	.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"x3/4" Hex Bolt
15	4	018-2007-00	5/16"x1/2" Flange Bolt
16	4	019-8054-00	.505 ID Plastic Washer
17	4	013-8050-00	1/2" Flange Lock Nut
18	8	031-6051-00	3/8" Fine Thread Nut



Parts List

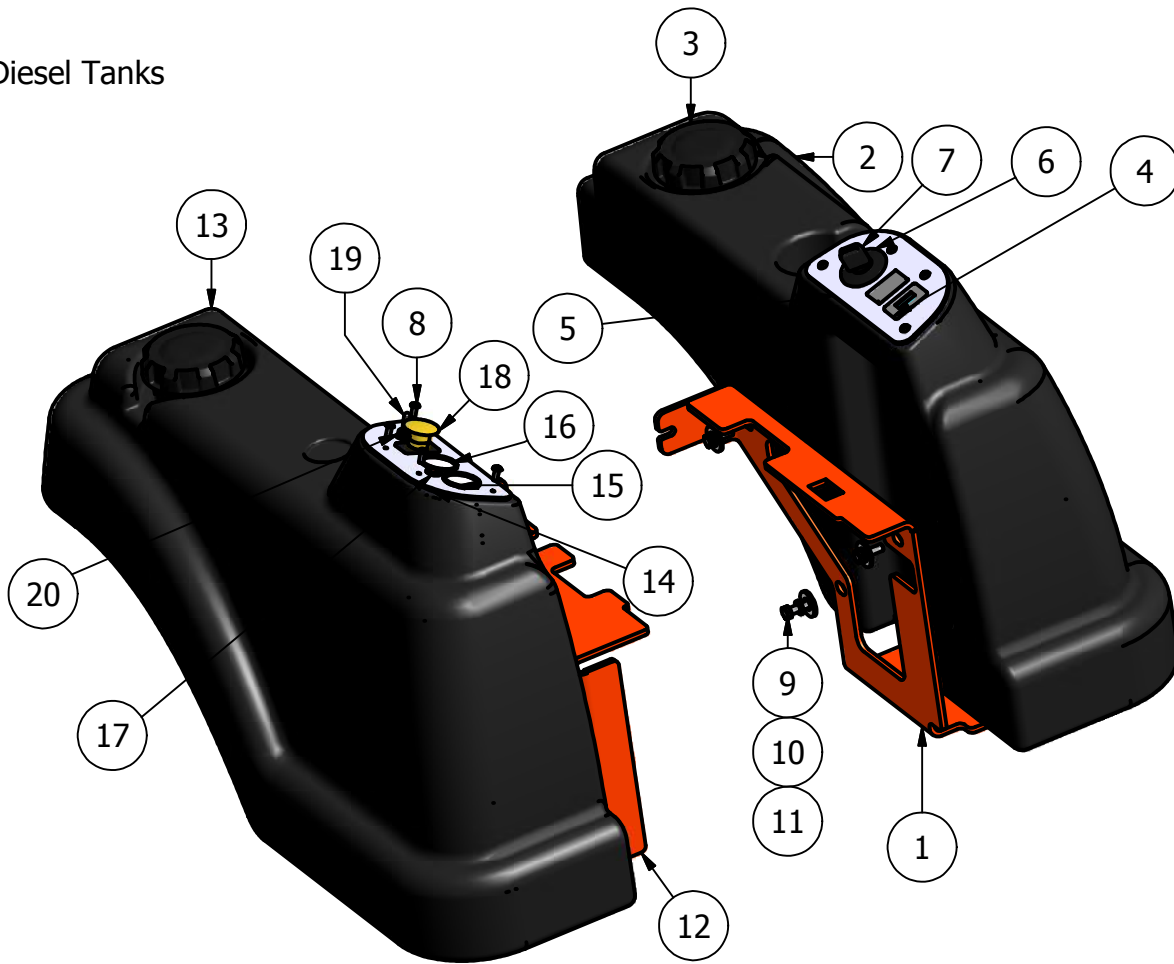
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	022-3060-00	13"x6.50-6 Tire &Wheel
2	2	032-9002-00	Rubber Isolator
3	2	010-7001-00	Bearing
4	1	014-7005-00	Dust Cover
5	2	022-7010-00	5/8" Bearing
6	1	020-7022-00	Cotter Pin
7	2	018-3001-00	5/8"x5/8" Shoulder Bolt
8	6	018-3003-00	1/2"x1 1/4"Carrige Bolt
9	8	013-5300-00	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

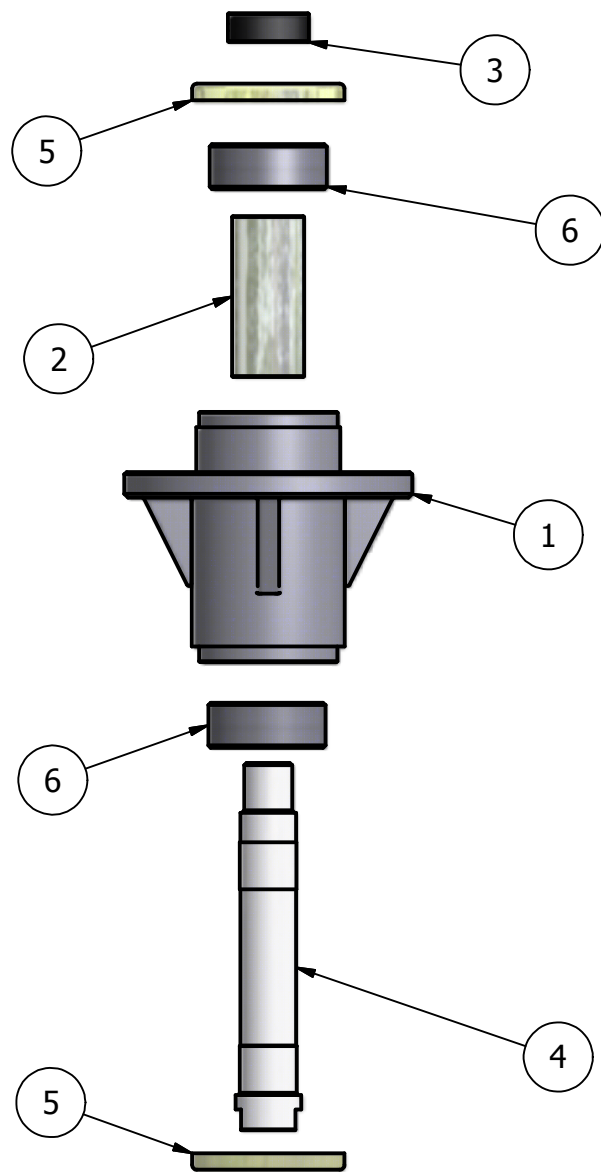


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	032-8999-00	Vibration Mount
2	2	018-2051-00	5/8" x 10" Hex Bolt (Grade 8)
3	2	013-5301-00	5/8" Nylock 1/2 Jam
4	2	013-5020-00	5/8" Nut
5	2	070-8000-00	60" Inner Suspension Cage
6	2	070-8001-00	72" Inner Suspension Cage
7	8	018-5006-00	1/2" x 1 1/2" Hex 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

Diesel Tanks

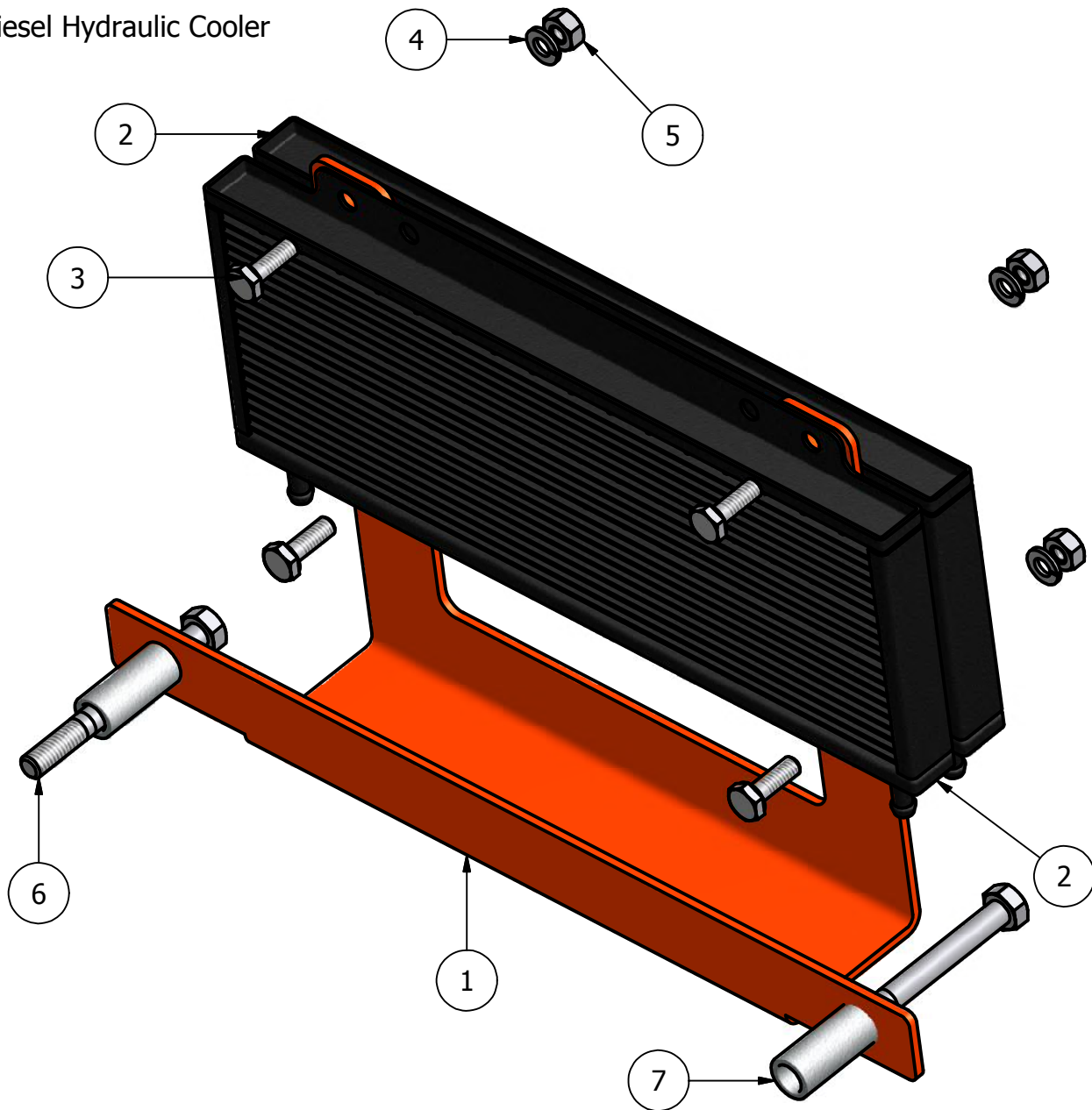


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	031-2006-00	Left Fuel Tank Swing Support
2	1	067-3000-00	Left Fuel Tank with Fender
3	2	066-8076-00	Diesel Fuel Cap
4	1	083-4014-00	Hourmeter-Diesel
5	1	079-3402-00	Control Panel (Left)
6	1	077-8076-00	Ignition Switch
7	1	042-9000-00	Ignition Key
8	8	018-5301-00	10mm x 32 x 1" Bolt
9	10	018-5015-00	5/16" x 1" Hex Bolt
10	10	019-8051-00	5/16" Lock Washer
11	10	019-8044-00	1 5/16" Flat Washer
12	1	031-2011-00	Right Fuel Tank Support
13	1	067-3001-00	Right Fuel Tank with Fender
14	1	079-3403-00	Diesel Control Panel (Right)
15	1	086-5001-00	Oil Gauge
16	1	086-5000-00	Temperature Gauge
17	1	089-1000-00	Oil Light
18	1	056-8058-00	PTO Engager
19	1	078-8077-00	Deck Lift Joystick
20	1	014-8077-00	Joystick Cover

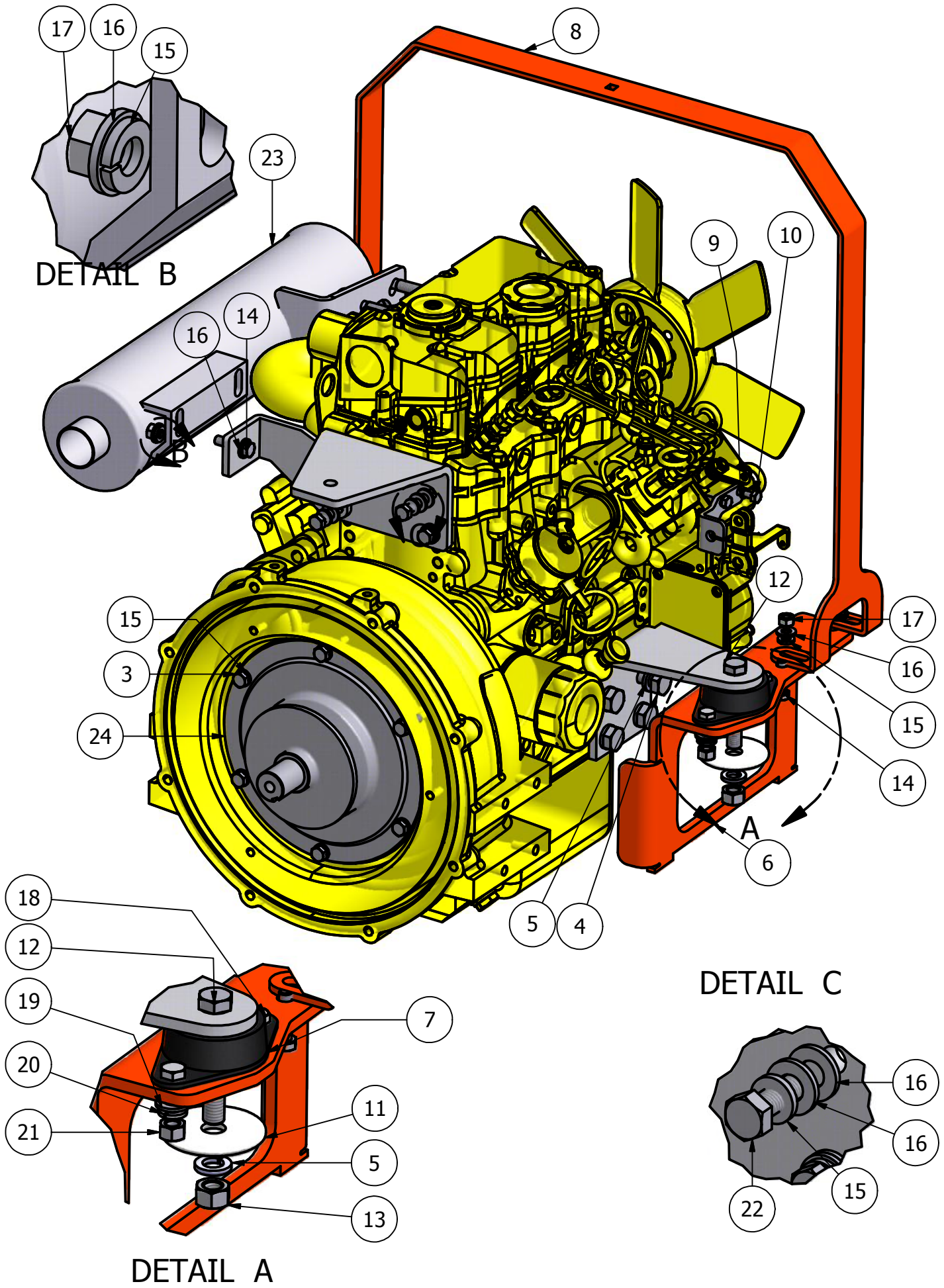


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	037-8005-00	Spindle Housing
2	1	037-8003-00	Spindle Spacer
3	1	037-9050-00	Spindle Coller
4	1	037-8000-00	Spindle
5	2	037-8002-00	Bearing Cover
6	2	037-8001-00	Bearing

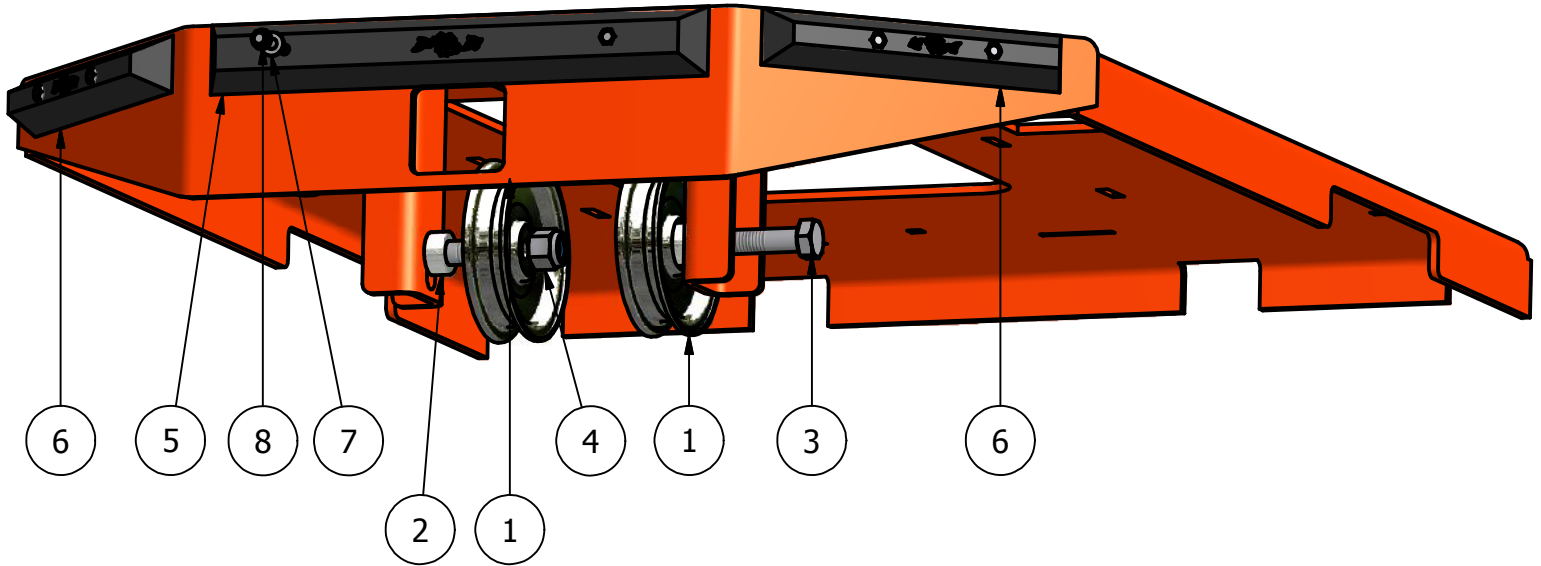
Diesel Hydraulic Cooler



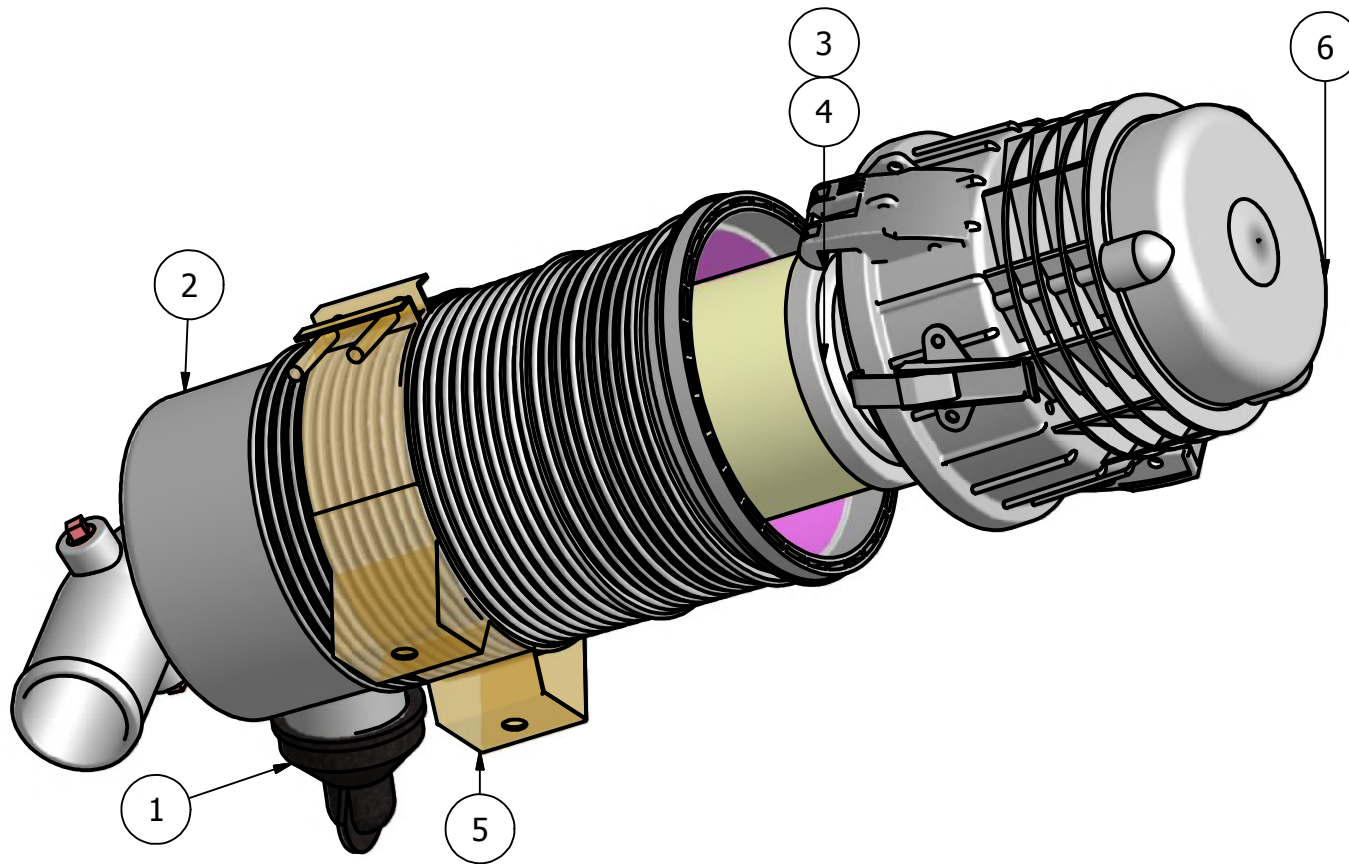
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	057-5950-00	Cooler Holder
2	2	061-8012-00	Hydraulic Cooler
3	4	018-8052-00	1/4" x 3/4" Hex Bolt
4	4	019-4008-00	1/4" Lock Washer
5	4	013-8039-00	1/4" Hex Nut
6	2	018-5355-00	5/16" x 6" Bolt (28hp)
6	2	018-4701-00	5/16" x 3" Bolt (35hp)
7	2	025-8000-00	Cooler Holder Spacer (35hp)
7	2	025-3100-00	Cooler Holder Spacer (28hp)



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	015-0004-00	28 hp Caterpillar Engine
2	1	015-5600-00	35hp Caterpillar Engine
3	6	018-2007-00	5/16" x 1" Bolt
4	8	018-6022-00	12mmx25mm Bolt
5	10	019-5007-00	1/2" Lock Washer
6	1	070-5510-00	28hp Diesel Frame
6	1	070-5520-00	35hp Diesel Frame
7	2	032-4050-00	Rubber Isolator
8	1	201-8001-00	Hood Holder
9	2	019-4008-00	1/4" Lock Washer
10	2	018-2000-00	6mm x 20mm Bolt
11	2	032-4051-00	Snubbing Washer
12	2	018-7016-00	1/2" x3" Hex Bolt
13	2	013-7018-00	1/2" Hex Nut
14	5	018-5025-00	5/16" x 1 1/4" Hex Bolt
15	15	019-8051-00	5/16" Lock Washer
16	12	019-8044-00	5/16" Flat Washer
17	5	013-8043-00	5/16" Nut
18	4	018-6049-00	3/8"x1" Hex Bolt
19	4	019-5029-00	3/8"Flat Washer
20	4	019-5037-00	3/8" Lock Washer
21	4	013-6014-00	3/8" Hex Nut
22	4	018-2001-00	8mmx25mm Bolt
23	1	015-0005-00	Diesel Muffler
24	1	017-3000-00	Stub Shaft

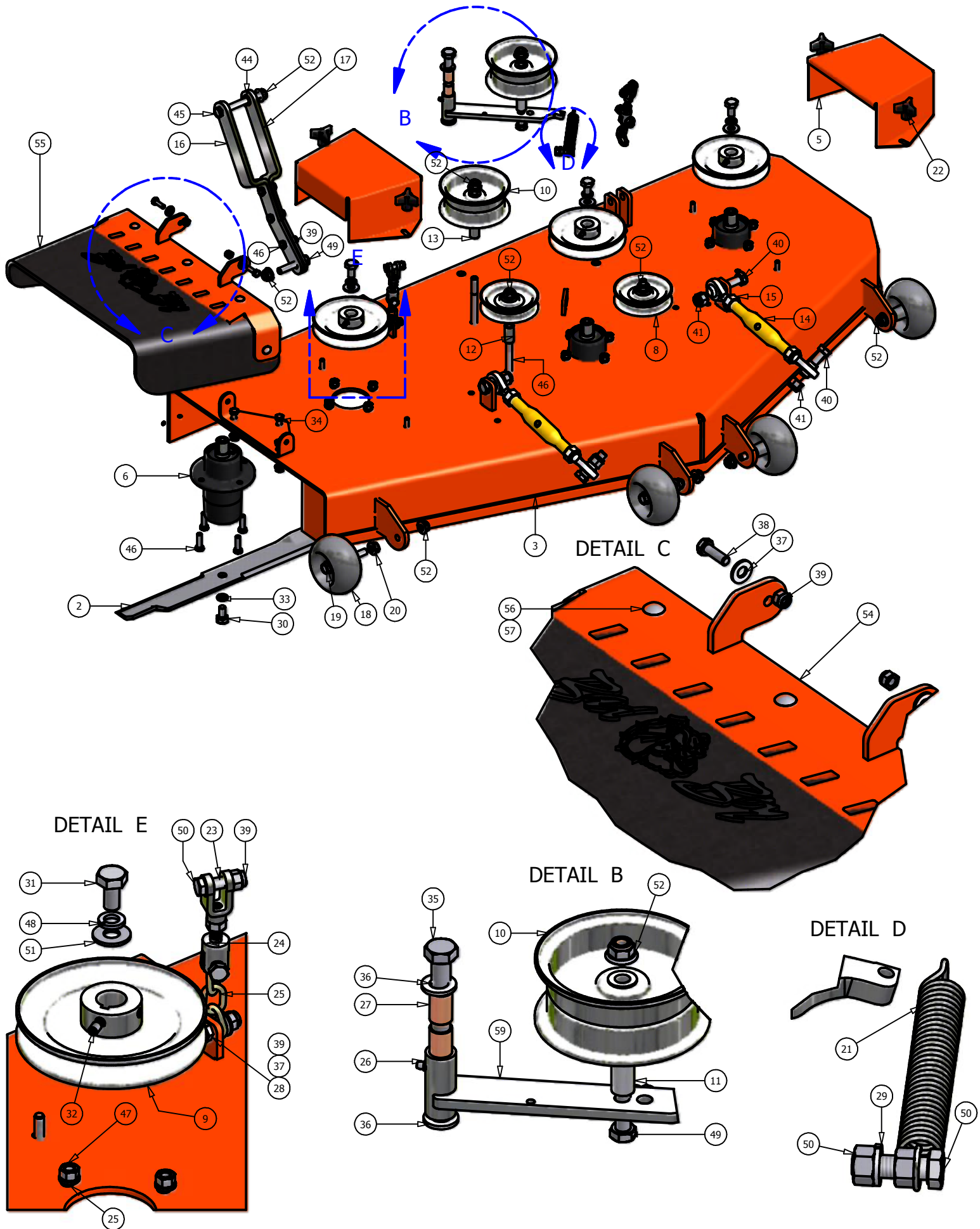


Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	033-7025-00	5" V Idler Pulley
2	2	025-7020-00	5/8" x 1/2" Collar Spacer
3	2	018-6059-00	5/8" x 2 1/2" Bolt
4	2	013-7021-00	5/8" Nylock Nut
5	1	029-7037-00	14" Bumper
6	2	029-7038-00	8" Bumper
7	6	019-7040-00	1/4" Flat Washer
8	6	030-7039-00	1/4" x 1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



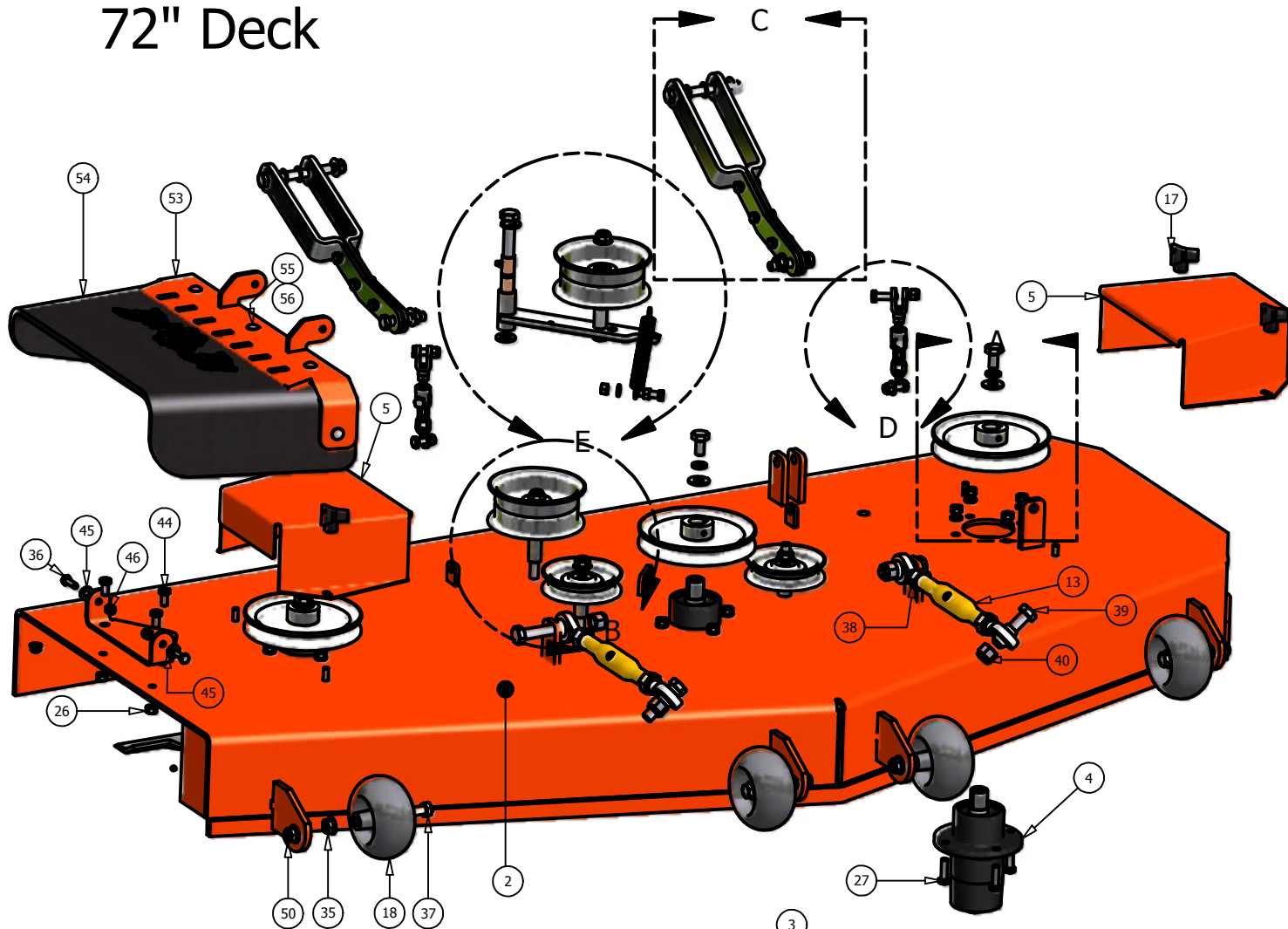
Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	088-1020-00	Debris Plug
2	1	088-1018-00	Canister Body
3	1	063-2060-00	Inner Filter
4	1	063-2050-00	Outer Filter
5	1	088-1019-00	Mounting Bracket
6	1	088-1017-00	Diesel Air Filter

60" Deck

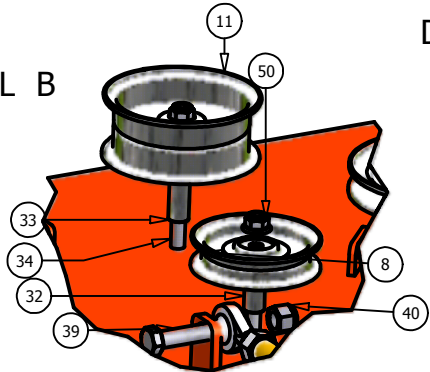


60 Inch Deck Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	041-0236-00	60" Deck Belt
2	3	038-6060-00	60" Fusion Blade
3	1	060-5403-00	60" Deck
4	1	206-6017-00	Dischage Chute Hander
5	2	014-6004-00	Pulley Guard
6	3	037-8000-00	Spindle
7	1	039-6936-00	Deck Idler Pully
8	2	033-6001-00	4 3/4" Idler 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

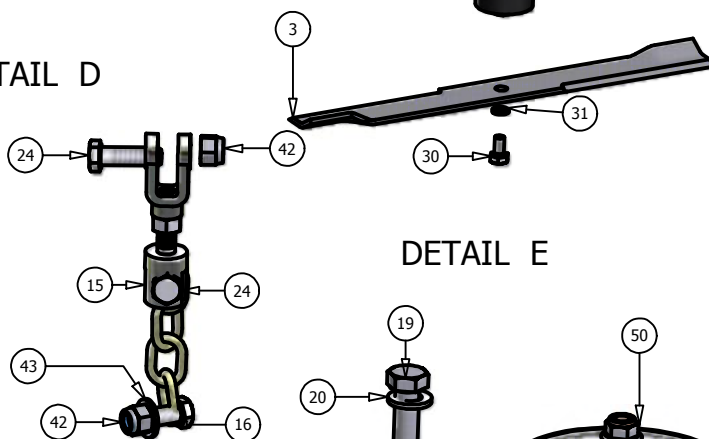
72" Deck



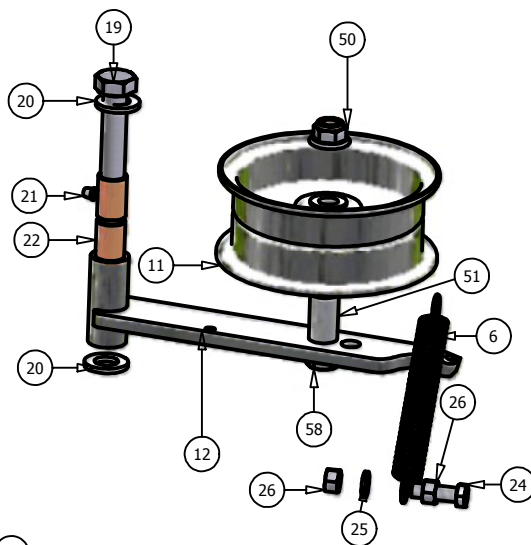
DETAIL B



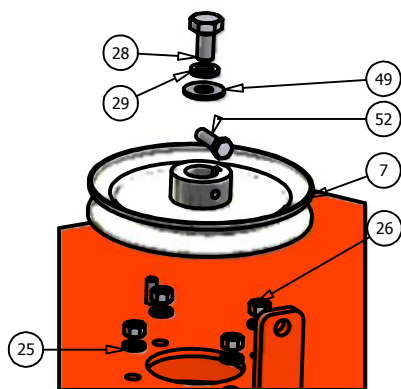
DETAIL D



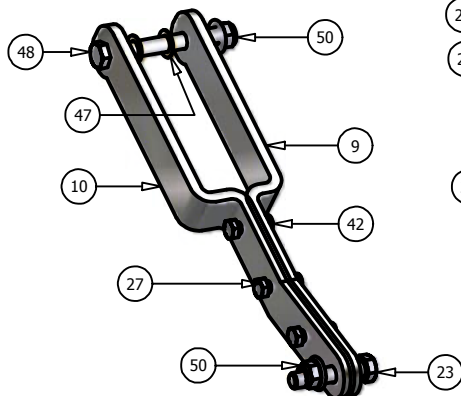
DETAIL E



DETAIL A



DETAIL C



Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	041-0254-00	72" Deck Belt
2	1	060-7205-00	72" Deck
3	3	038-7230-00	72" Frsion 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

Bad Boy, Inc.
102 Industrial Drive
Batesville, AR 72501
1.866.622.3269
www.badboymowers.com

Technical Support:

Mark Henley (mark.henley@badboymowers.com)

Extension 6636

Bill Hurst (bill@badboymowers.com)

Extension 6617

Taylor Prince (taylor.prince@badboymowers.com)

Extension 6648

Warranty:

Dustin Tissiere (dustin@badboymowers.com)

Extension 6613

Bill Hurst (bill@badboymowers.com)

Extension 6617

Nathan Simmons

Parts:

Brad Foree (brad@badboymowers.com)

Extension 6637

Robert Patterson (robert.patterson@badboymowers.com)

Extension 6649