



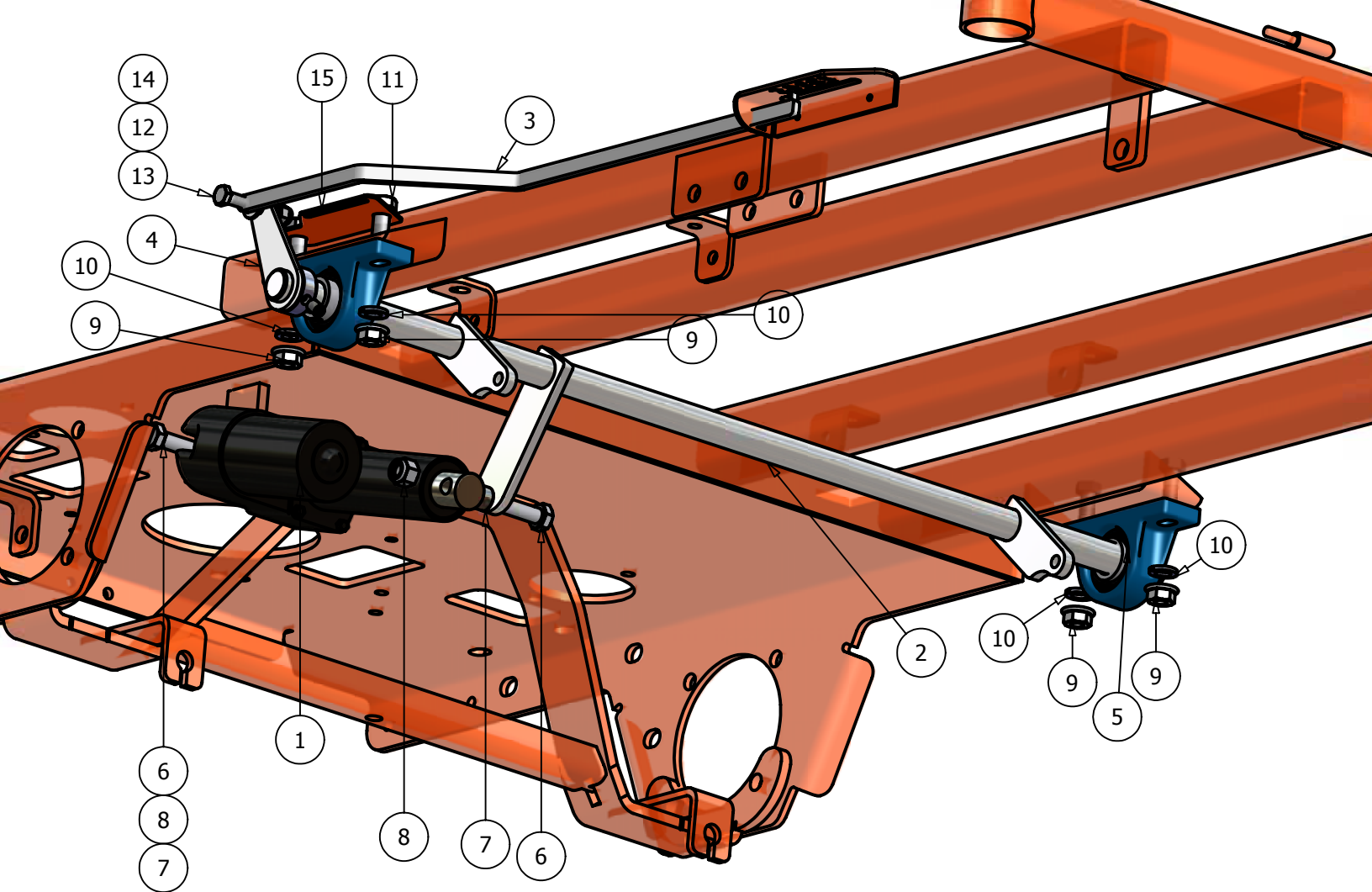
# **BAD BOY PARTS MANUAL FOR PUP AND LIGHTNING MODELS 2007**



**23hp Vanguard  
26hp Kawasaki  
30hp Kohler  
32hp Vanguard**



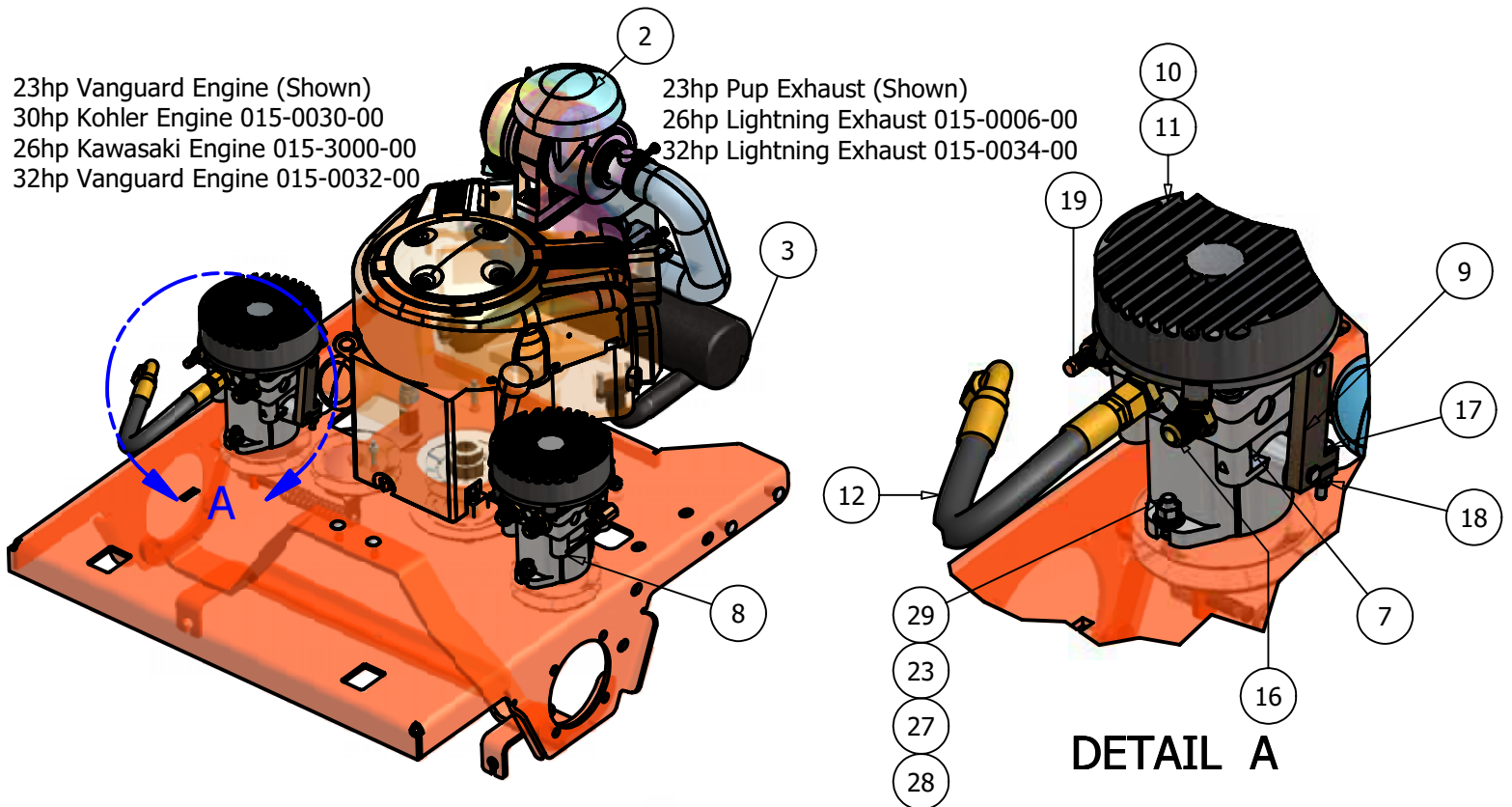
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| Hydraulic Pump/ Clutch               | 4  |
| Wheel Motor/ Tire And Wheel Assembly | 6  |
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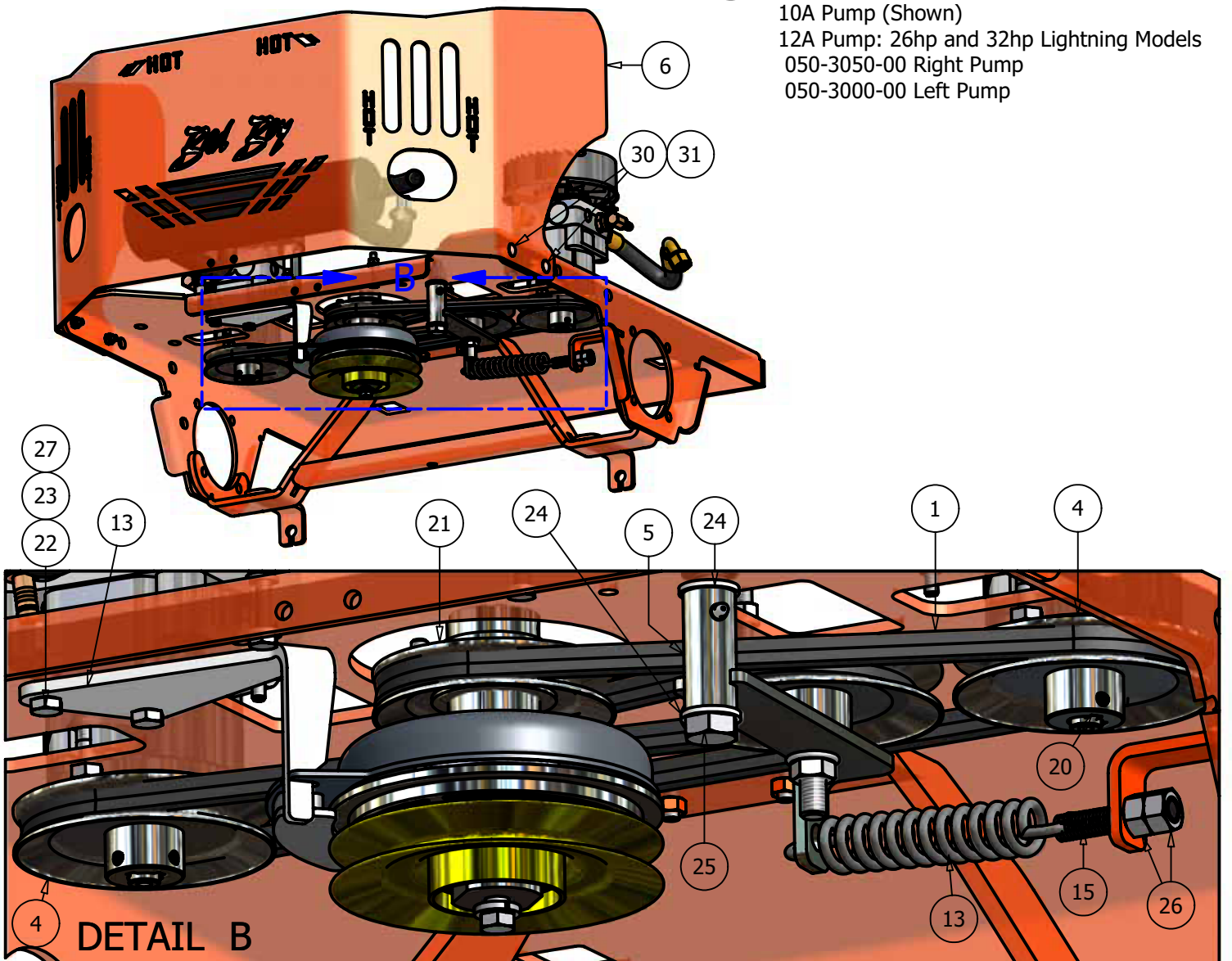
| Actuator Bar |     |             |                           |
|--------------|-----|-------------|---------------------------|
| ITEM         | QTY | PART NUMBER | DESCRIPTION               |
| 1            | 1   | 035-7033-00 | Actuator                  |
| 2            | 1   | 028-7920-00 | Actuator Bar              |
| 3            | 1   | 028-2501-00 | Pup Height Indicator      |
| 4            | 1   | 031-7000-00 | Height Indicator Tab      |
| 5            | 2   | 017-7008-00 | 1" Pillow Block           |
| 6            | 2   | 018-7016-00 | 1/2" x 3" Hex Bolt        |
| 7            | 2   | 025-7036-00 | 1/2" x 1/2" Collar Spacer |
| 8            | 2   | 013-6037-00 | 1/2" Nylock Nut           |
| 9            | 4   | 013-7018-00 | 1/2" Nut                  |
| 10           | 4   | 019-5007-00 | 1/2" Lock Washer          |
| 11           | 4   | 018-5006-00 | 1/2" x 1 1/2" Hex Bolt    |
| 12           | 1   | 019-6042-00 | 3/8" Plastic Washer       |
| 13           | 1   | 018-6049-00 | 3/8" x 1" Hex Bolt        |
| 14           | 1   | 013-5041-00 | 3/8" Nylock Nut           |
| 15           | 1   | 039-2005-00 | Deck Stop Bracket         |

23hp Vanguard Engine (Shown)  
 30hp Kohler Engine 015-0030-00  
 26hp Kawasaki Engine 015-3000-00  
 32hp Vanguard Engine 015-0032-00

23hp Pup Exhaust (Shown)  
 26hp Lightning Exhaust 015-0006-00  
 32hp Lightning Exhaust 015-0034-00



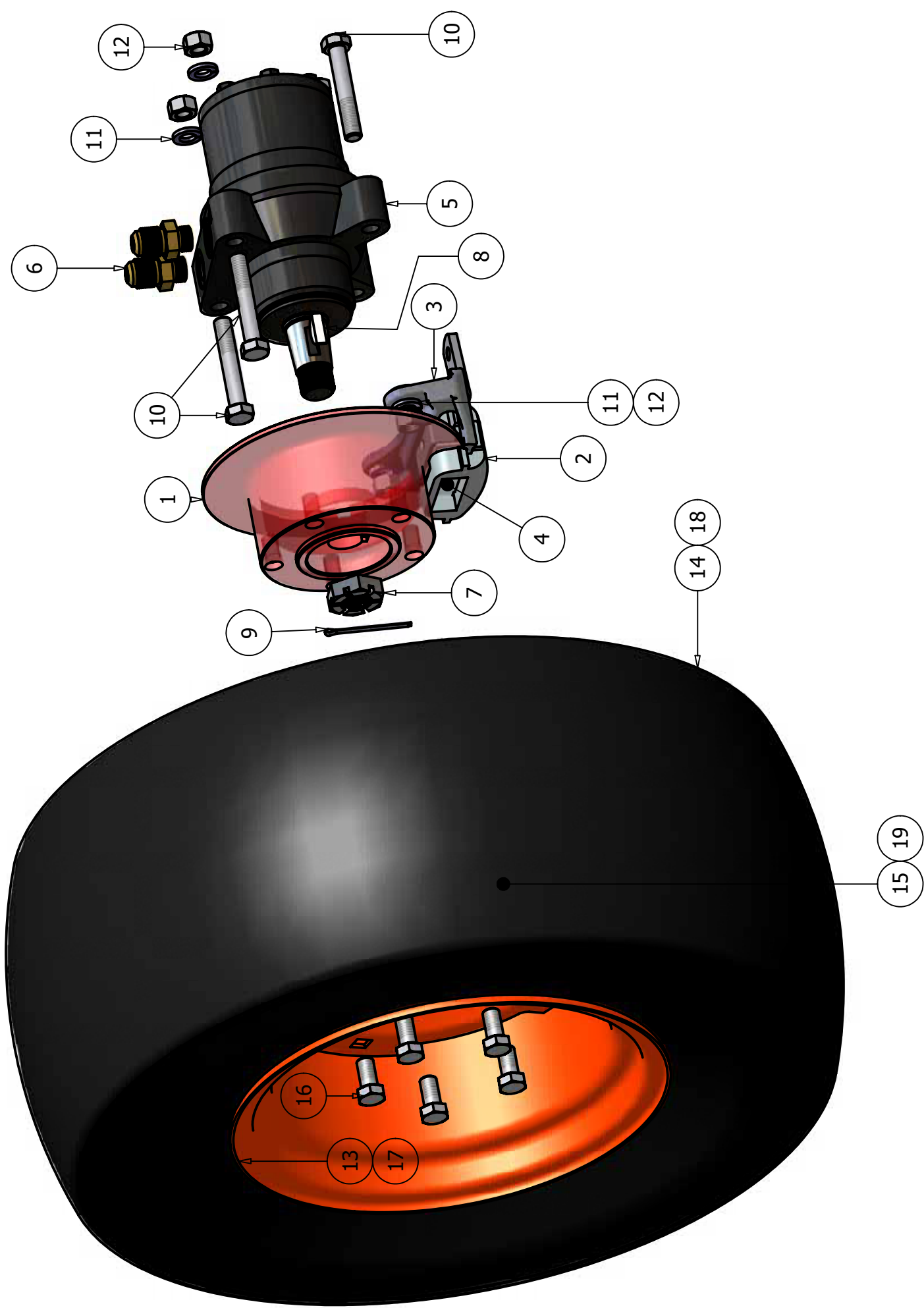
10A Pump (Shown)  
 12A Pump: 26hp and 32hp Lightning Models  
 050-3050-00 Right Pump  
 050-3000-00 Left Pump



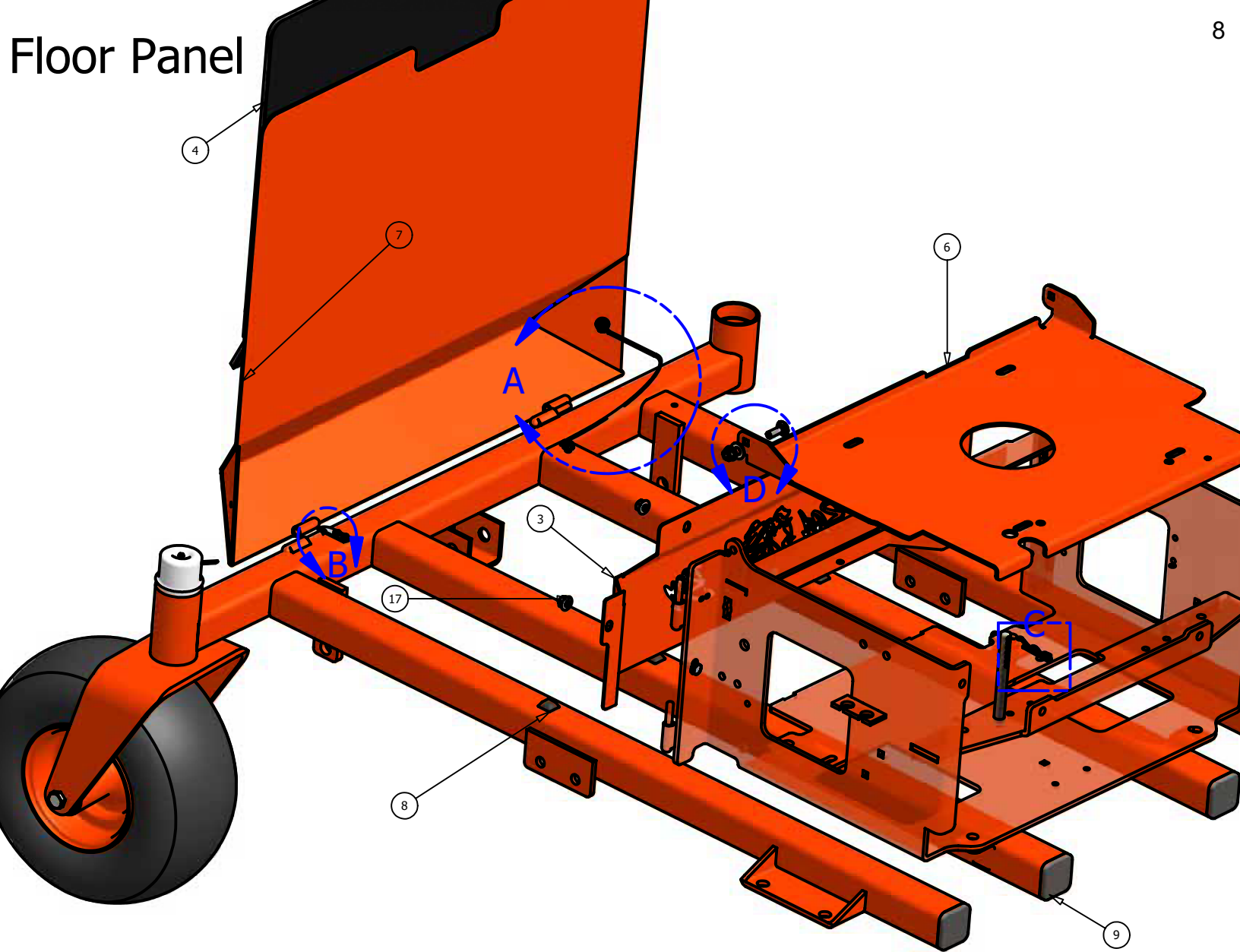
For more detail concerning clutch assembly, refer to the table of context and look for the clutch stack page.

| Hydraulic Pump/ Clutch |     |             |                                                                |
|------------------------|-----|-------------|----------------------------------------------------------------|
| ITEM                   | QTY | PART NUMBER | DESCRIPTION                                                    |
| 1                      | 1   | 041-5048-00 | Pump Belt                                                      |
| 2                      | 1   | 015-0023-00 | 23 HP Vanguard Motor                                           |
| 3                      | 1   | 015-0033-00 | 23 HP Vanguard Exhaust                                         |
| 4                      | 2   | 033-5003-00 | 5" Pump Pulley                                                 |
| 5                      | 1   | 039-5944-00 | Pump Idler Bracket                                             |
| 6                      | 1   | 026-5321-00 | Pup Rear Plate                                                 |
| 7                      | 1   | 050-5303-00 | Right Hydraulic Pump                                           |
| 8                      | 1   | 050-5302-00 | Left Hydraulic Pump                                            |
| 9                      | 2   | 031-5333-00 | Pup Pump Arm                                                   |
| 10                     | 2   | 015-9999-00 | Hydraulic Fan                                                  |
| 11                     | 2   | 014-5500-00 | Fan Guard                                                      |
| 12                     | 4   | 051-5341-00 | Hydraulic Hose                                                 |
| 13                     | 1   | 057-5906-00 | PTO Engager Holder                                             |
| 14                     | 1   | 034-5039-00 | Pump Idler Spring 6"                                           |
| 15                     | 1   | 018-2004-00 | Spring Tensioner                                               |
| 16                     | 4   | 024-7033-00 | Hydraulic Fitting                                              |
| 17                     | 2   | 018-5005-00 | 1/4" x 1 1/2" Bolt                                             |
| 18                     | 2   | 013-8073-00 | 1/4" Nylock Nut                                                |
| 19                     | 4   | 024-5206-00 | 3/8" X 9/16" Male Fitting                                      |
| 20                     | 2   | 042-5301-00 | 5mm x 1" Key                                                   |
| 21                     | 1   | 033-5034-00 | 4 3/4" Motor Pulley                                            |
| 22                     | 2   | 018-6049-00 | 3/8" x 1" Hex Bolt                                             |
| 23                     | 6   | 013-6014-00 | 3/8" Hex Nut                                                   |
| 24                     | 2   | 019-6017-00 | .635 ID Plastic Washer                                         |
| 25                     | 1   | 018-5311-00 | 5/8" x 4" Hex Bolt                                             |
| 26                     | 2   | 013-7018-00 | 1/2" Hex Nut                                                   |
| 27                     | 4   | 019-5037-00 | 3/8" Lock Washer                                               |
| 28                     | 4   | 019-5029-00 | 3/8" Flat Washer                                               |
| 29                     | 4   | 018-6012-00 | 3/8" x 1 1/2" Hex Bolt                                         |
| 30                     | 4   | 018-8065-00 | 5/16" x 1" Carriage Bolt                                       |
| 31                     | 4   | 013-8047-00 | 5/16" Nylock Nut                                               |
| 32                     | 1   | 063-8050-00 | Canister Filter (23 Pup only)                                  |
| 33                     | 1   | 063-8019-00 | Outer Canister Air Filter (26hp & 32hp Lightning and 30hp Pup) |
| 34                     | 1   | 063-8020-00 | Inner Canister Air Filter (26hp & 32hp Lightning and 30hp Pup) |

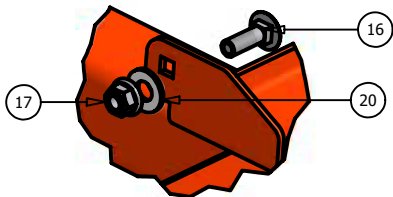
# Wheel Motor/Tire and Wheel Assembly



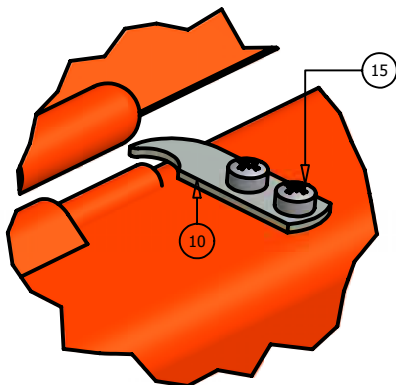
| Wheel Motor/ Tire and Wheel Assmebly |     |                          |                                     |
|--------------------------------------|-----|--------------------------|-------------------------------------|
| ITEM                                 | QTY | PART NUMBER              | DESCRIPTION                         |
| 1                                    | 1   | 092-5201-00              | Brake Disc                          |
| 2                                    | 1   | 016-1610-98/016-1609-98  | Right Brake Assmebly/ Left          |
| 3                                    | 1   | 039-8936-00              | Brake Casting                       |
| 4                                    | 1   | 016-9998-00              | Brake Pads                          |
| 5                                    | 1   | 015-2004-00/ 015-2005-00 | Right Wheel Motor/ Left             |
| 6                                    | 2   | 024-7033-00              | Hydraulic Fitting                   |
| 7                                    | 1   | 013-7050-00              | Castle Nut                          |
| 8                                    | 1   | 042-7041-00              | Woodruff Key                        |
| 9                                    | 1   | 020-7022-00              | 1/8" x 2 1/4" Cotter #8             |
| 10                                   | 4   | 018-7016-00              | 1/2" x 3" Hex Bolt                  |
| 11                                   | 4   | 019-5007-00              | 1/2" Lock Washer                    |
| 12                                   | 4   | 013-7018-00              | 1/2" Hex Nut                        |
| 13                                   | 1   | 022-7061-00              | 12" Rim - 60" & 72" Cut             |
| 14                                   | 1   | 022-5349-00              | 24x12-12 Tire - 60" & 72" Cut       |
| 15                                   | 1   | 022-5450-00              | 24" Tire and Wheel Assembly         |
| 16                                   | 5   | 018-7033-00              | 1/2" x 1" Hex Bolt                  |
| 17                                   | 1   | 022-7062-00              | 12" Rim - 48" & 52" Cut             |
| 18                                   | 1   | 022-5351-00              | 23x10.50-12 Tire - 48" & 52" Cut    |
| 19                                   | 1   | 022-5352-00              | 23x10.50-12 Tire and Wheel Assembly |



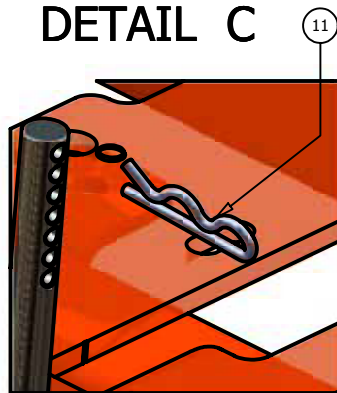
DETAIL D



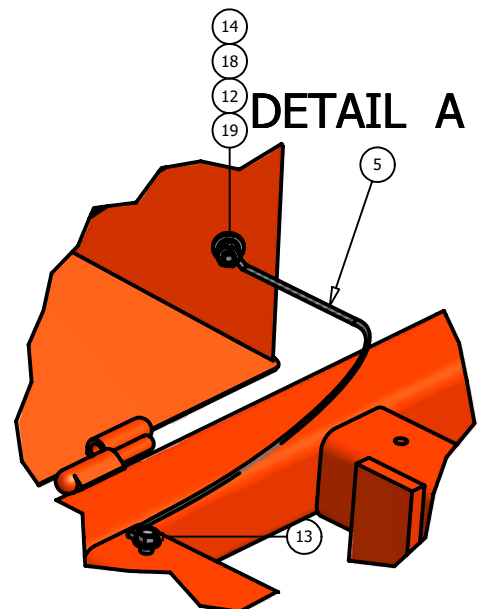
DETAIL B



DETAIL C



DETAIL A



| Floor Panel |     |             |                                     |
|-------------|-----|-------------|-------------------------------------|
| ITEM        | QTY | PART NUMBER | DESCRIPTION                         |
| 1           | 1   | 071-3000-00 | Suspension Seat (All Lightning)     |
| 2           | 1   | 071-2004-00 | EVC Seat (23hp and 30hp Pup Models) |
| 3           | 1   | 014-2006-00 | Cooler Cover                        |
| 4           | 1   | 081-2006-00 | Pup Floor Mat                       |
| 5           | 1   | 064-2005-00 | Floor Board Cable                   |
| 6           | 1   | 026-2006-00 | Seat Plate                          |
| 7           | 1   | 079-5340-00 | Pup Floor Panel                     |
| 8           | 4   | 029-7029-00 | Floor Rubber Bumper                 |
| 9           | 4   | 014-9000-00 | Frame Plug                          |
| 10          | 1   | 058-2000-00 | Floor Panel Stop                    |
| 11          | 1   | 040-6060-00 | #9 Hit clip (seat latch)            |
| 12          | 1   | 019-7040-00 | 1/4" Flat Washer                    |
| 13          | 1   | 030-7040-00 | 1/4" x 1" Self Tapping Screw        |
| 14          | 1   | 018-8064-00 | 1/4" x 5/8" Button Head Bolt        |
| 15          | 2   | 030-3050-00 | #10 x 1/2" Self Taping Screw        |
| 16          | 2   | 018-8065-00 | 5/16" x 1" Carriage Bolt            |
| 17          | 10  | 013-8049-00 | 5/16" Nylock Flange Nut             |
| 18          | 1   | 013-8039-00 | 1/4" Hex Nut                        |
| 19          | 1   | 019-4008-00 | 1/4" Lock Washer                    |
| 20          | 2   | 019-6042-00 | .360 ID Plastic Washer              |

# Seat Frame

This technical diagram illustrates the exploded view of a seat frame assembly. The main assembly consists of the following components:

- 1**: Orange-painted metal frame base.
- 2**: Black vertical support post.
- 3**: Small black plastic component on the left side.
- 4**: Small red plastic component on the left side.
- 5**: Thin metal rod extending from the bottom.
- 6**: Black rectangular component in the center.
- 7**: Metal bracket on top of the center component.
- 8**: Metal rod passing through the center component.
- 9**: Silver cylindrical component at the bottom right.
- 10**: Black circular cap on top of the frame.
- 11**: Small black plastic component on the left side.
- 12**: Small black plastic component on the left side.
- 13**: Small black plastic component on the left side.
- 14**: Small black plastic component on the left side.
- 15**: Small black plastic component on the left side.
- 16**: White rectangular panel on the left side.
- 17**: Small black plastic component on the left side.
- 18**: Small black plastic component on the left side.
- 19**: Small black plastic component on the left side.
- 20**: Small black plastic component on the left side.
- 21**: Small black plastic component on the left side.
- 22**: Small black plastic component on the left side.
- 23**: Small black plastic component on the left side.
- 24**: Small black plastic component on the left side.
- 25**: Small black plastic component on the left side.
- 26**: Small black plastic component on the left side.
- 27**: Small black plastic component on the left side.
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- 33**: Small black plastic component on the left side.
- 34**: Small black plastic component on the left side.
- 35**: Small black plastic component on the left side.
- 36**: Small black plastic component on the left side.
- 37**: Small black plastic component on the left side.
- 38**: Small black plastic component on the left side.
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- 40**: Small black plastic component on the left side.
- 41**: Small black plastic component on the left side.
- 42**: Small black plastic component on the left side.
- 43**: Small black plastic component on the left side.
- 44**: Small black plastic component on the left side.
- 45**: Small black plastic component on the left side.
- 46**: Small black plastic component on the left side.
- 47**: Small black plastic component on the left side.
- 48**: Small black plastic component on the left side.
- 49**: Small black plastic component on the left side.

Three detailed insets are provided:

- DETAIL A**: Shows a close-up of the spring mechanism (22, 23, 24, 25, 26, 27) and the mounting bracket (28, 29, 30).
- DETAIL B**: Shows a close-up of the spring mechanism (22, 23, 24, 25, 26, 27) and the mounting bracket (28, 29, 30).
- DETAIL C**: Shows a close-up of the spring mechanism (22, 23, 24, 25, 26, 27) and the mounting bracket (28, 29, 30).

**DETAIL D**: Shows a close-up of the spring mechanism (22, 23, 24, 25, 26, 27) and the mounting bracket (28, 29, 30).

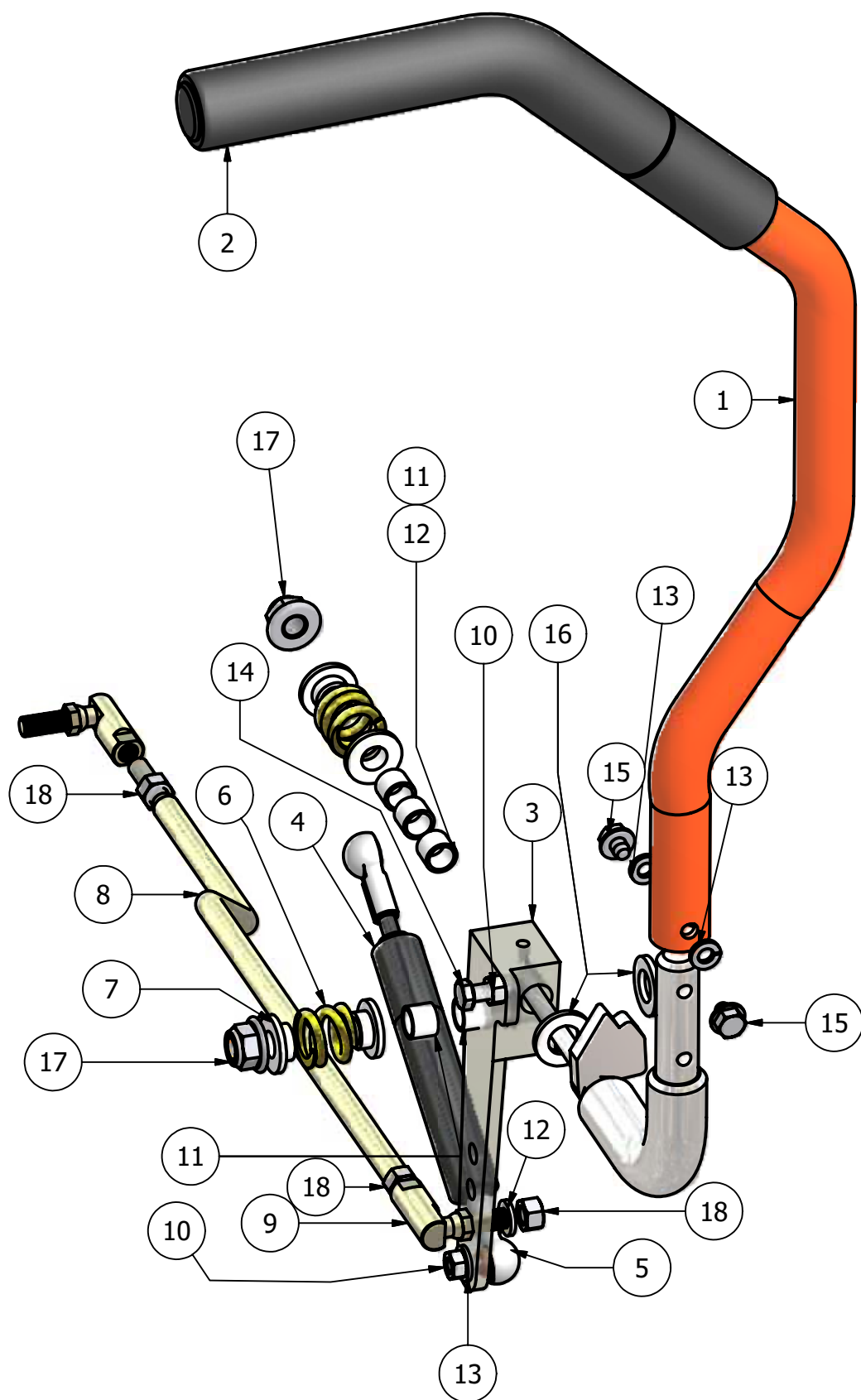
### DETAIL D

### DETAIL C

# Seat Frame & Tanks

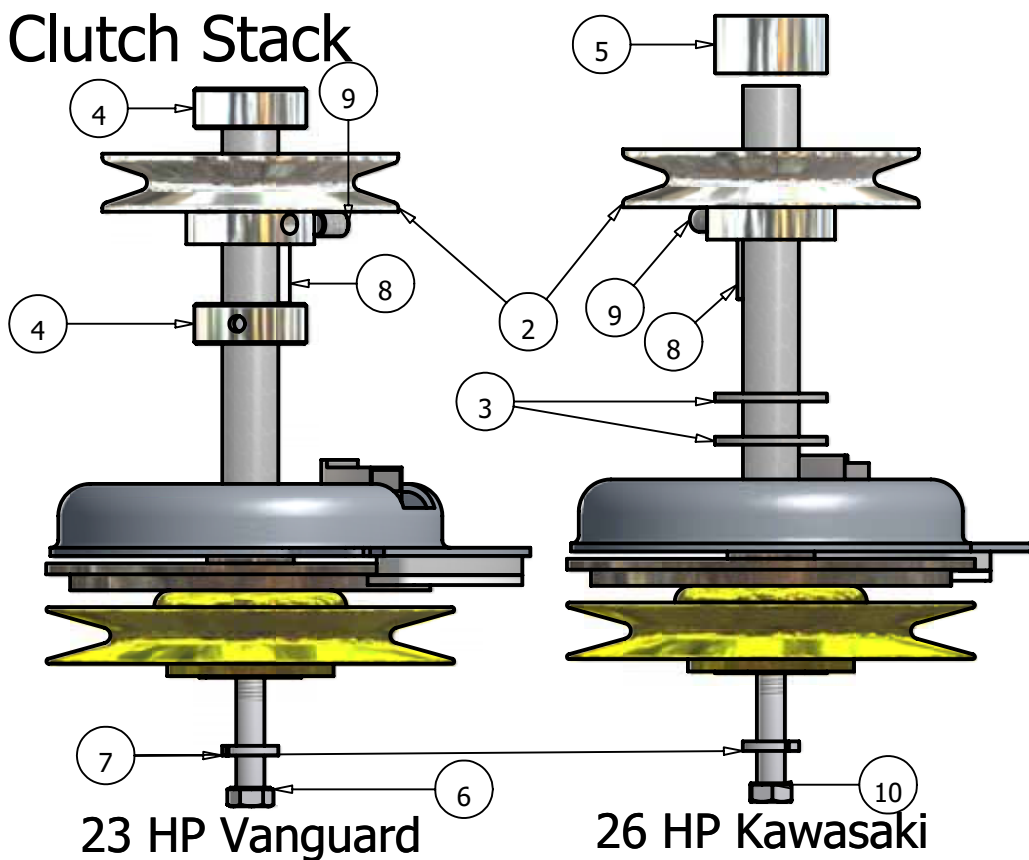
| ITEM | QTY | PART NUMBER              | DESCRIPTION                                  |
|------|-----|--------------------------|----------------------------------------------|
| 1    | 1   | 080-6010-00              | Seat Frame                                   |
| 2    | 1   | 069-8054-00              | Brake Lever                                  |
| 3    | 3   | 077-8073-00              | Brake Handle Switch                          |
| 4    | 4   | 018-8056-00              | 1024 x 1" Bolt                               |
| 5    | 2   | 018-8050-00              | 7" Stove Bolt                                |
| 6    | 2   | 013-8051-00              | 1/4" Wing Nut                                |
| 7    | 1   | 068-8049-00              | Battery                                      |
| 8    | 1   | 043-8929-00              | Battery hold-down                            |
| 9    | 2   | 062-8013-00              | Filter Head                                  |
| 10   | 1   | 066-8048-00              | Hydraulic Tank Cap                           |
| 11   | 1   | 064-8055-00              | Short Brake Cable                            |
| 12   | 1   | 064-8056-00              | Long Brake Cable                             |
| 13   | 2   | 063-8014-00              | Hydraulic Filter                             |
| 14   | 2   | 024-5050-00              | Filter Head Fitting                          |
| 15   | 4   | 018-8052-00              | 1/4" x 3/4" Hex Bolt                         |
| 16   | 1   | 067-9016-00              | Hydraulic Tank                               |
| 17   | 2   | 213-6001-00              | Hydraulic Tank Strap                         |
| 18   | 2   | 024-5205-00              | 3/8" X 3/8" Hose Barb                        |
| 19   | 2   | 024-5203-00              | 1/2" x 1/2" Filter Head Fitting (90 Degree)  |
| 20   | 1   | 055-8017-00              | Throttle (23 Briggs, 26 Kawasaki, 30 Kohler) |
| 21   | 1   | 055-8021-00              | Throttle (32 Briggs)                         |
| 22   | 2   | 034-8045-00              | Seat Spring                                  |
| 23   | 2   | 014-8047-00              | 1 1/2" Spring Cap Cover                      |
| 24   | 2   | 019-5029-00              | 3/8" Flat Washer                             |
| 25   | 2   | 018-6012-00              | 3/8" x 1 1/2" Hex Bolt                       |
| 26   | 4   | 019-5037-00              | 3/8" Lock Washer                             |
| 27   | 8   | 013-6014-00              | 3/8" Hex Nut                                 |
| 28   | 8   | 018-5015-00              | 5/16" x 1" Hex Bolt                          |
| 29   | 12  | 019-8051-00              | 5/16" Lock Washer                            |
| 30   | 8   | 019-8044-00              | 5/16" Flat Washer                            |
| 31   | 1   | 079-3401-00              | Control Panel                                |
| 32   | 1   | 056-8058-00              | Blade Engager                                |
| 33   | 1   | 067-5000-00/ 067-5001-00 | Right Fuel Tank/ Left Fuel Tank              |
| 34   | 2   | 066-8076-00              | Fuel Cap                                     |
| 35   | 1   | 031-2007-00/ 031-2006-00 | Right Tank Swing Arm/ Left                   |
| 36   | 1   | 089-1000-00              | Oil Light                                    |
| 37   | 1   | 077-8076-00              | Ignition Switch                              |
| 38   | 1   | 042-9000-00              | Ignition Key                                 |
| 39   | 1   | 083-4013-00              | Tachometer                                   |
| 40   | 1   | 054-8016-00              | Choke                                        |
| 41   | 1   | 054-8017-00              | Choke (All Kohler Engines)                   |
| 42   | 1   | 078-8077-00              | Deck Lift                                    |
| 43   | 1   | 013-8047-00              | 5/16" Nylock Nut                             |
| 44   | 6   | 018-5200-00              | 1024 X 5/8" Buttonhead Bolt                  |
| 45   | 2   | 018-8059-00              | 5/16" x 1 3/4" Hex Bolt                      |
| 46   | 4   | 019-4008-00              | 1/4" Lock Washer                             |
| 47   | 4   | 018-8063-00              | 5/16" x 3/4" Hex Bolt                        |
| 48   | 1   | 029-8059-00              | Piezo Buzzer                                 |
| 49   | 2   | 024-5342-00              | 1/2" x 3/8" Barb Fitting                     |

# Drive Arms

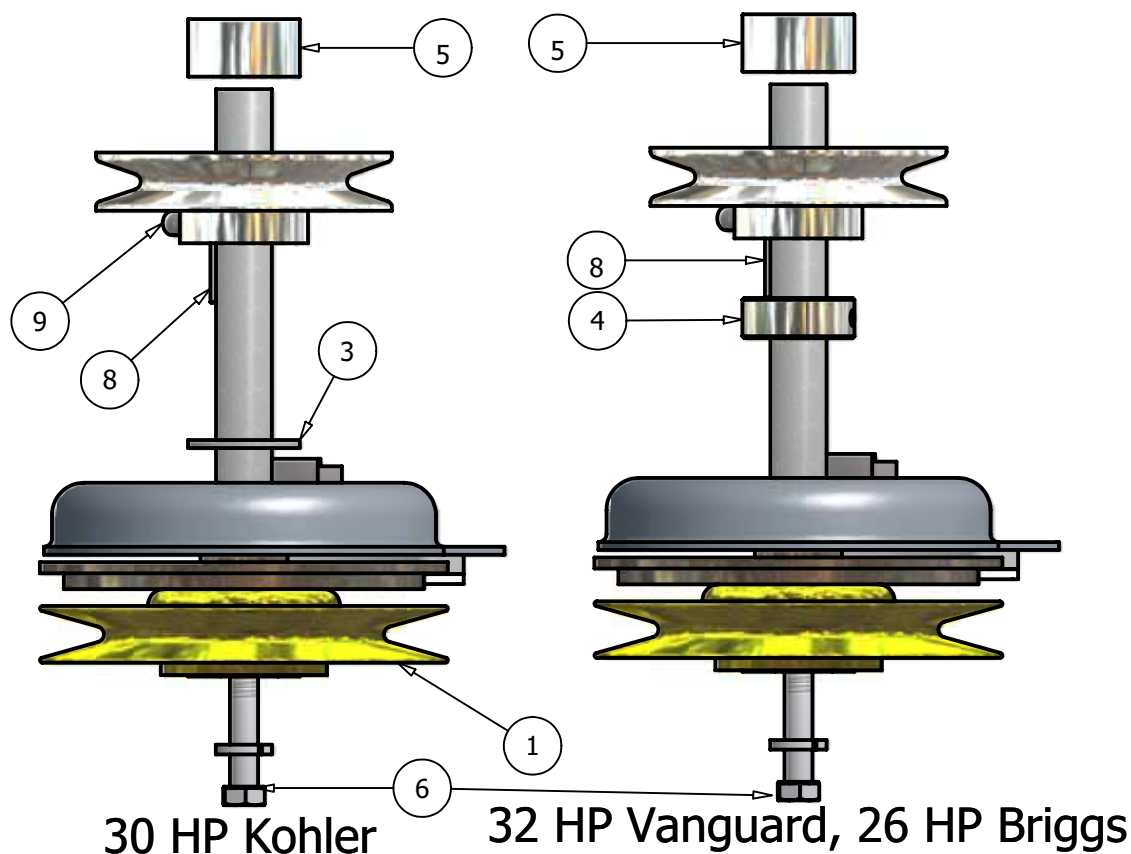


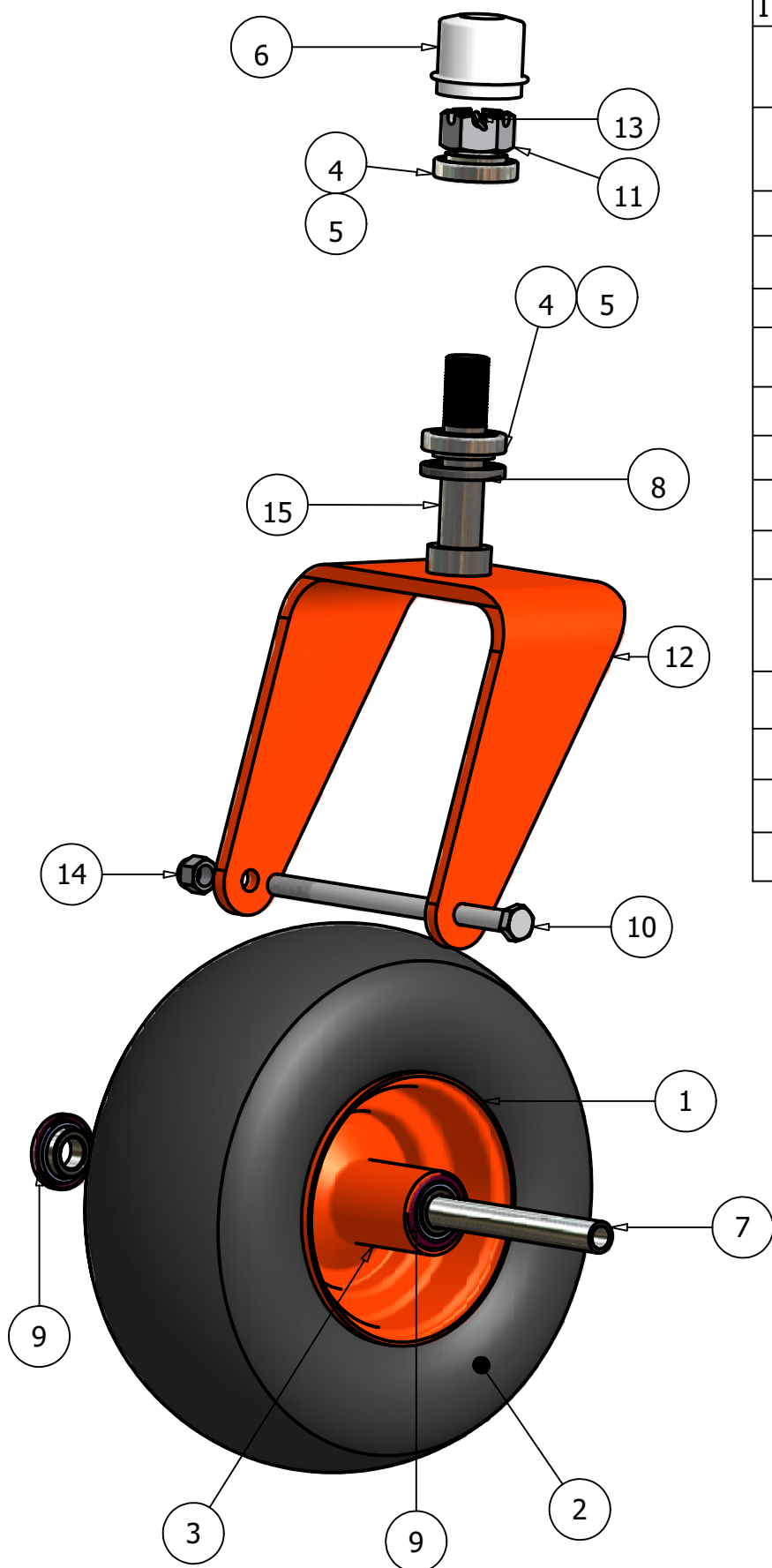
| Parts List |     |                         |                                       |
|------------|-----|-------------------------|---------------------------------------|
| ITEM       | QTY | PART NUMBER             | DESCRIPTION                           |
| 1          | 1   | 031-8822-00/031-8821-00 | Right Drive Arm/ Left                 |
| 2          | 2   | 069-4010-00             | Rubber Steering Handle                |
| 3          | 1   | 027-8819-00/027-8820-00 | Left Drive Arm Lever<br>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   | 035-5344-00             | 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                  |

# Clutch Stack



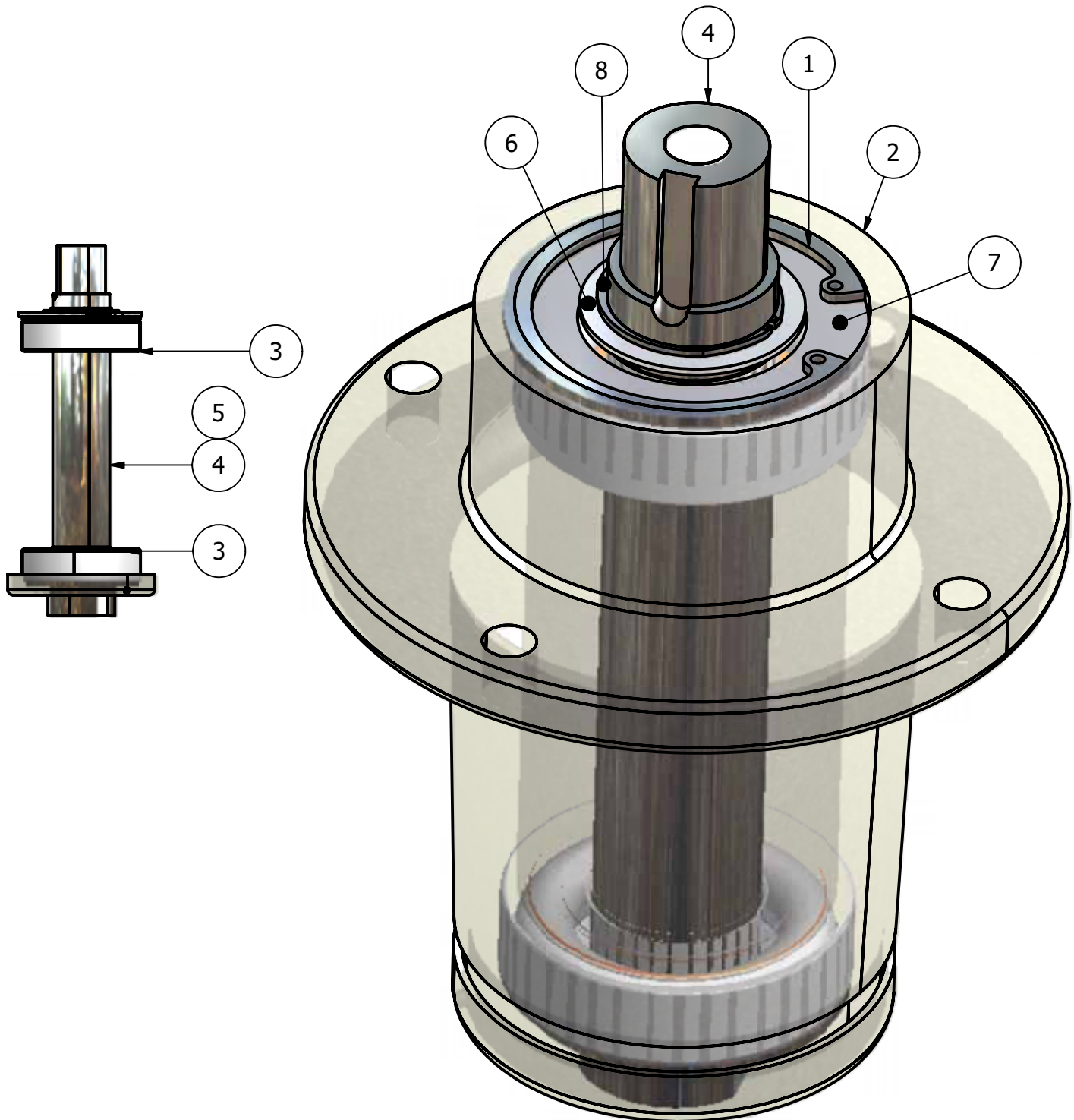
| Clutch Assembly |             |                                 |
|-----------------|-------------|---------------------------------|
| ITE             | PART NUMBER | DESCRIPTION                     |
| 1               | 070-1000-00 | Clutch Assembly                 |
| 2               | 033-5034-00 | 4 3/4" Motor Pulley             |
| 3               | 019-6029-00 | 1 1/8" Flat Spacer              |
| 4               | 025-5000-00 | 1 1/8" Collar Spacer            |
| 5               | 025-0025-00 | 1.125 ID X .625 Spacer          |
| 6               | 018-5300-00 | 7/16" x 2 1/2" Fine Thread Bolt |
| 7               | 019-8053-00 | 7/16" Lock Washer               |
| 8               | 042-6030-00 | 1/4" x 1" Key                   |
| 9               | 030-6029-00 | 3/8" Set Screw                  |
| 10              | 018-5028-00 | 10mm x 552 Bolt                 |

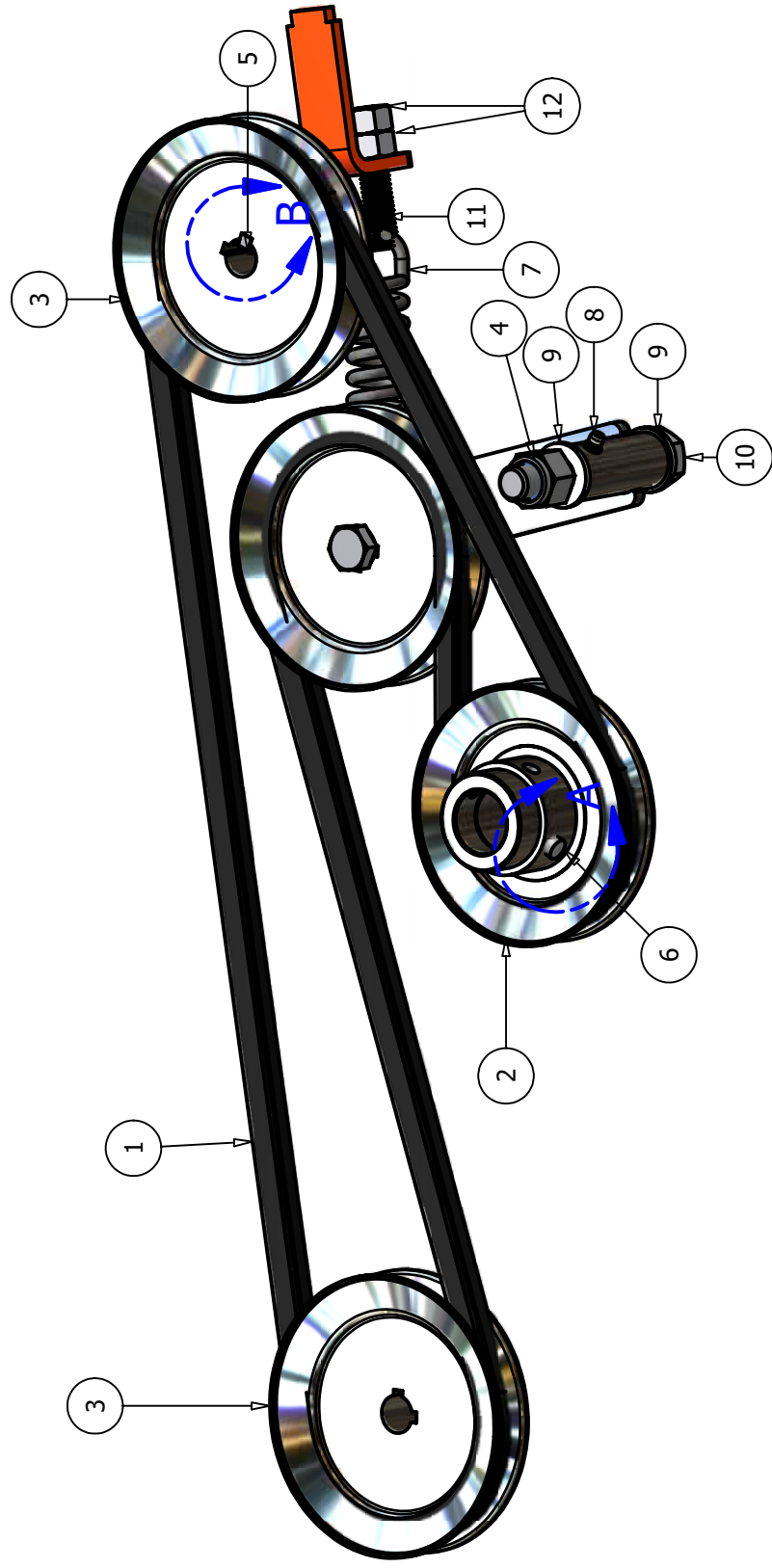




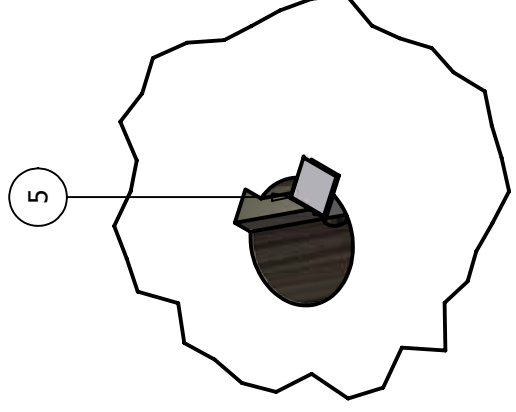
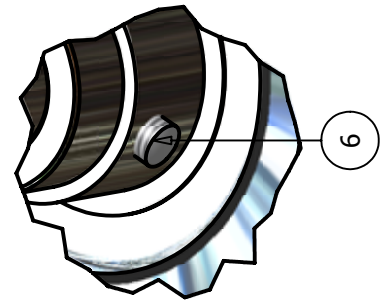
| Front Wheel |    |             |                                         |
|-------------|----|-------------|-----------------------------------------|
| ITEM        | QT | PART NUMBER | DESCRIPTION                             |
| 1           | 1  | 022-2006-00 | 13" x 6.50 - 6" Tire and Wheel Assembly |
| 2           | 1  | 022-5347-00 | 13" x 6.50 - 6" Tire ONLY               |
| 3           | 1  | 022-7002-00 | 6" Wheel ONLY                           |
| 4           | 2  | 010-7001-00 | Bearing                                 |
| 5           | 2  | 011-7002-00 | Race                                    |
| 6           | 1  | 014-7005-00 | Dust Cover                              |
| 7           | 1  | 025-5202-00 | Front Wheel Spacer                      |
| 8           | 1  | 012-7003-00 | Seal                                    |
| 9           | 2  | 022-7009-00 | Wheel Bearing                           |
| 10          | 1  | 018-7010-00 | 1/2" x 9" Bolt                          |
| 11          | 1  | 013-7004-00 | 1" Fine Threaded Castle Nut             |
| 12          | 1  | 023-7913-00 | Front Fork with Spindle                 |
| 13          | 1  | 020-7022-00 | 1/8" x 2 1/4" Cotter #8                 |
| 14          | 1  | 013-6037-00 | 1/2" Nylock Nut                         |
| 15          | 1  | 037-0001-00 | Front Fork Spindle                      |

| Parts List |     |             |                       |
|------------|-----|-------------|-----------------------|
| ITEM       | QTY | PART NUMBER | DESCRIPTION           |
| 1          | 2   | 037-6009-00 | Bearing Retainer Ring |
| 2          | 1   | 037-6017-00 | Spindle Housing       |
| 3          | 2   | 037-6023-00 | Bearing               |
| 4          | 1   | 037-6019-00 | Short Shaft           |
| 5          | 1   | 037-6018-00 | Long Shaft            |
| 6          | 2   | 037-6021-00 | Small Bearing Spacer  |
| 7          | 2   | 037-6020-00 | Large Bearing Spacer  |
| 8          | 1   | 037-6022-00 | Shaft Retainer Ring   |

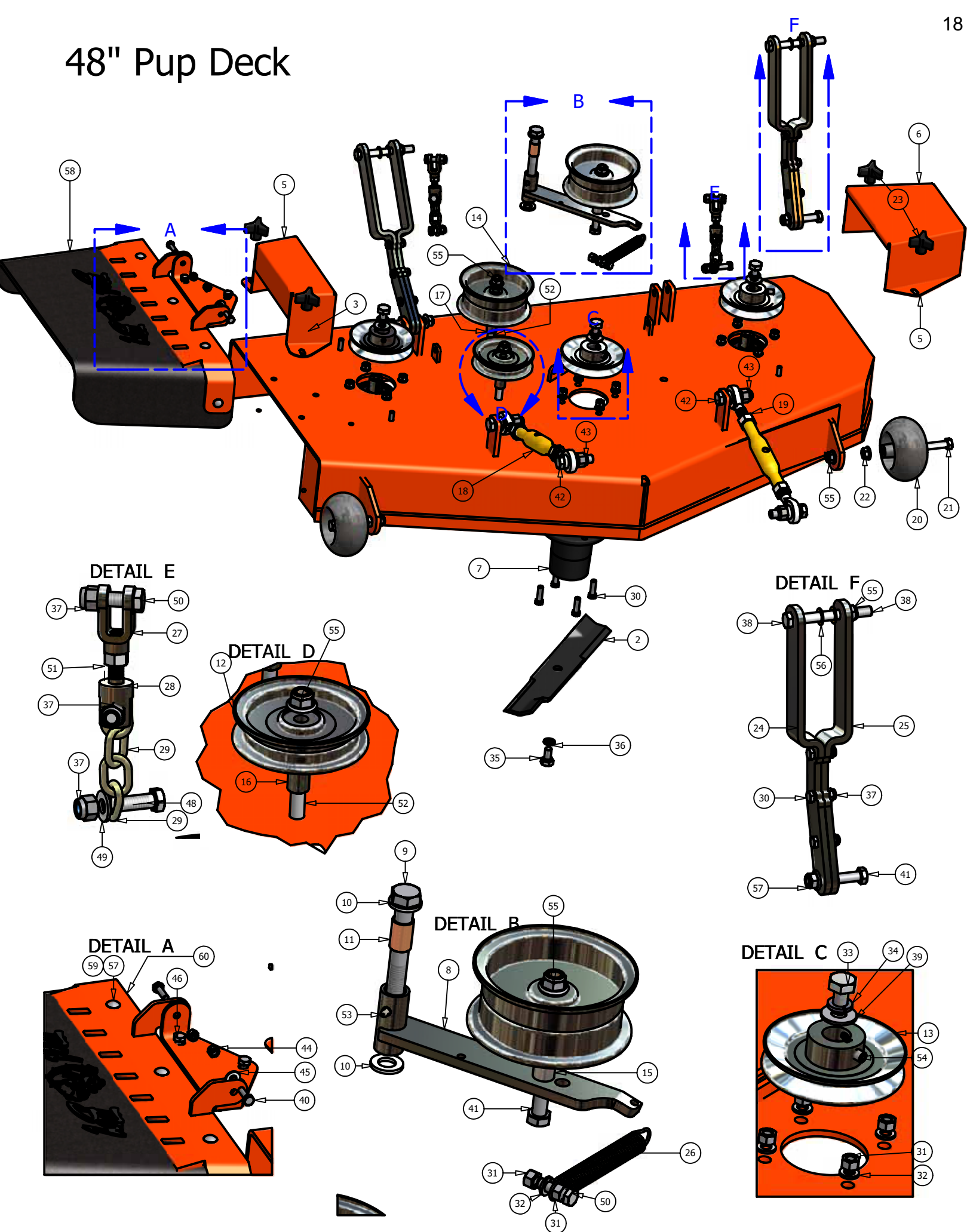




| Belt |     |             |                                |
|------|-----|-------------|--------------------------------|
| ITEM | QTY | PART NUMBER | DESCRIPTION                    |
| 1    | 1   | 041-5048-00 | Pump Belt                      |
| 2    | 1   | 033-5034-00 | 4 3/4" Motor Pulley            |
| 3    | 2   | 033-5003-00 | 5" Pump Pulley                 |
| 4    | 1   | 013-7021-00 | 5/8" Nylock Nut                |
| 5    | 2   | 042-5301-00 | 5mm x 1 Key                    |
| 6    | 1   | 030-6029-00 | 3/8" Set Screw                 |
| 7    | 1   | 034-5039-00 | Pump Idler Spring 6"           |
| 8    | 1   | 024-6034-00 | Grease Fitting (Drive-In Type) |
| 9    | 2   | 019-6017-00 | .635 ID Plastic Washer         |
| 10   | 1   | 018-5311-00 | 5/8" x 4" Hex Bolt             |
| 11   | 1   | 018-2004-00 | Spring Tensioner               |
| 12   | 2   | 013-7018-00 | 1/2" Hex Nut                   |

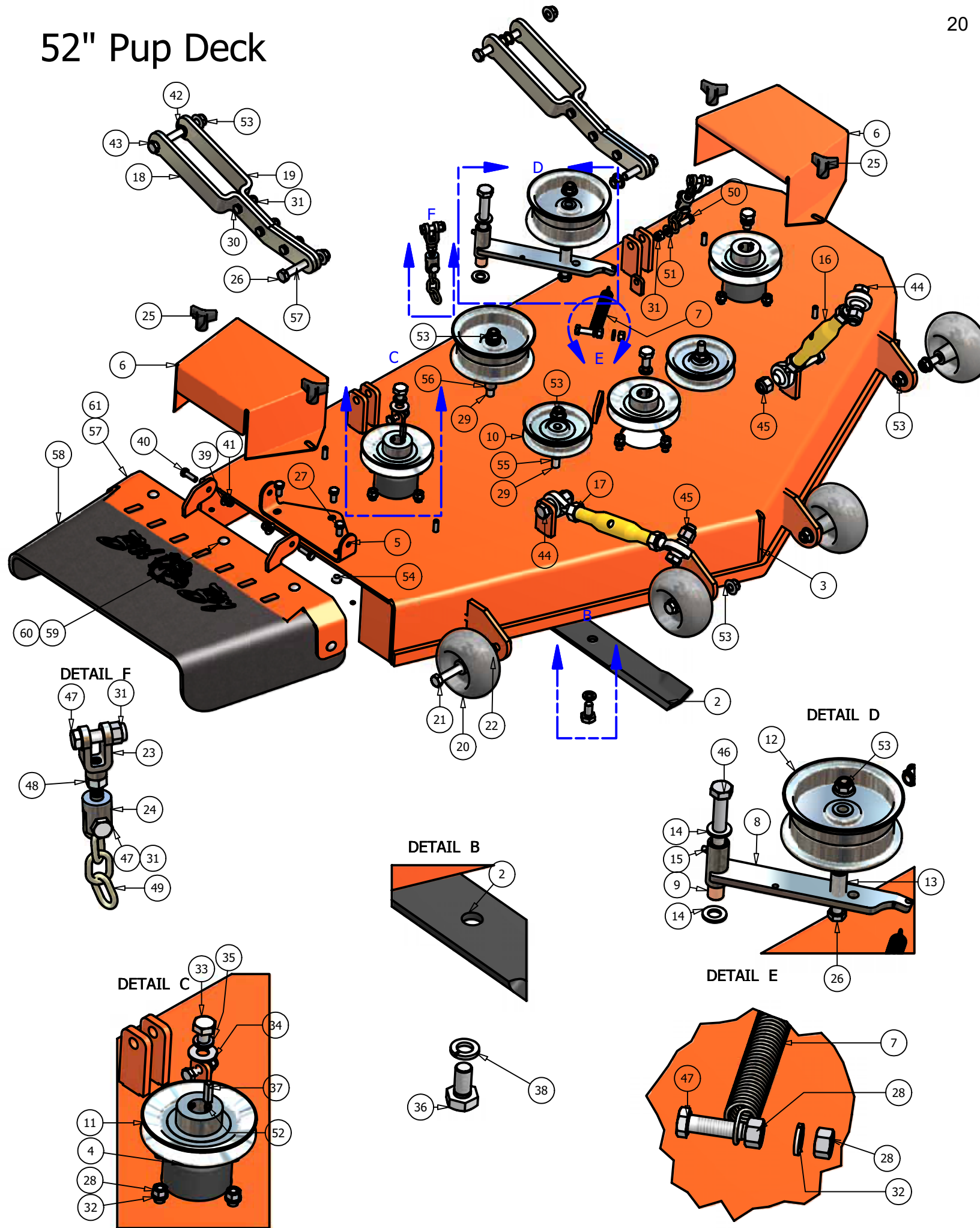


## 48" Pup Deck



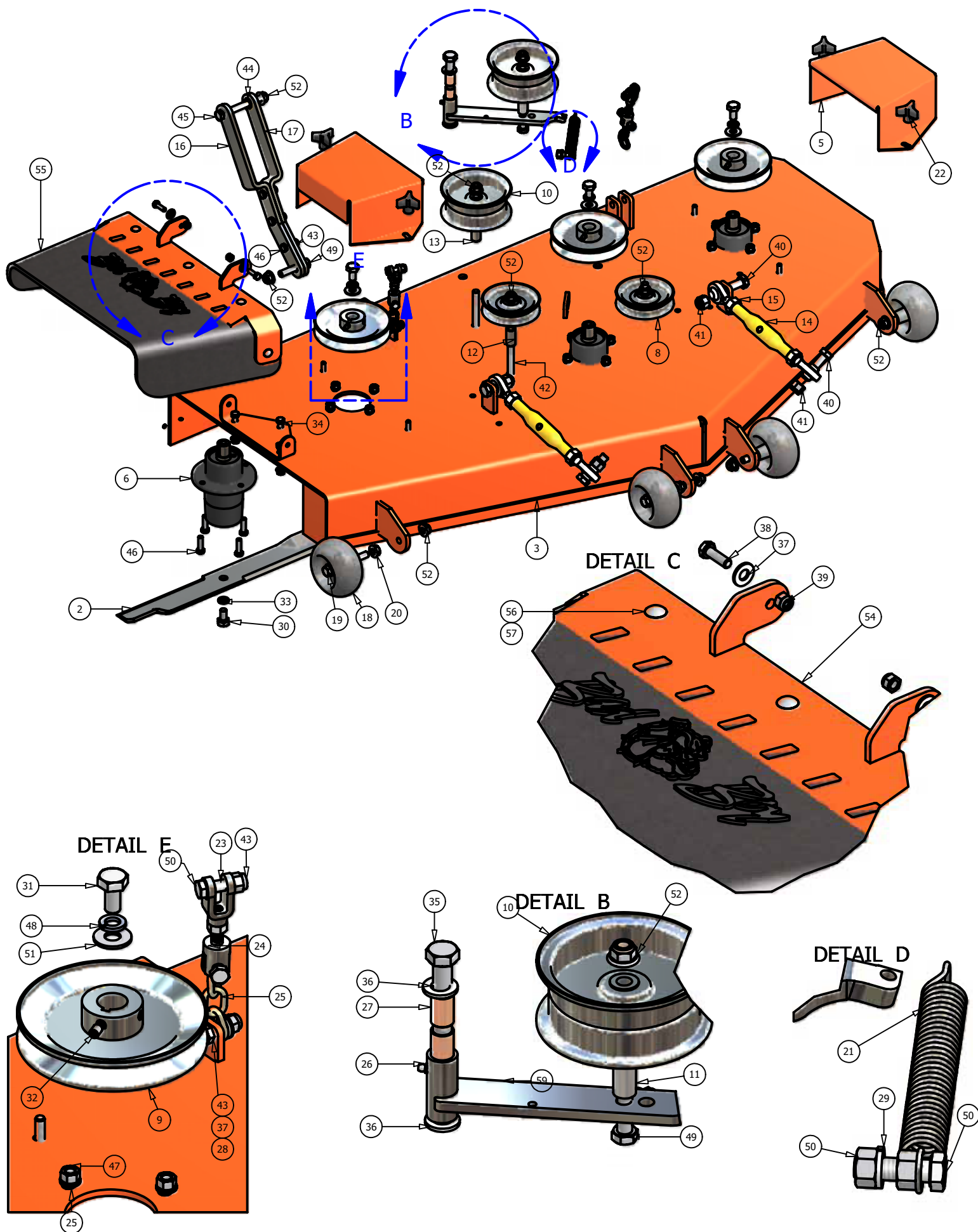
| 48" Pup Deck |     |             |                                  |
|--------------|-----|-------------|----------------------------------|
| ITEM         | QTY | PART NUMBER | DESCRIPTION                      |
| 1            | 1   | 041-1420-00 | 48" Deck Belt                    |
| 2            | 3   | 038-4830-00 | 48" Fusion Blade                 |
| 3            | 1   | 060-4800-00 | 48" Deck                         |
| 4            | 1   | 206-6017-00 | Discharge Chute Hanger           |
| 5            | 1   | 014-4801-00 | 48" Spindle Cover                |
| 6            | 1   | 014-6004-00 | Spindle Cover                    |
| 7            | 3   | 037-6015-00 | Spindle                          |
| 8            | 1   | 039-6936-00 | Deck Idler Arm                   |
| 9            | 1   | 018-5311-00 | 5/8" x 4" Hex Bolt               |
| 10           | 2   | 019-6017-00 | .635 ID Plastic Washer           |
| 11           | 2   | 032-6033-00 | 5/8" ID x 1 1/8" Brass Bushing   |
| 12           | 1   | 033-6001-00 | 4 3/4" Idler Pulley              |
| 13           | 3   | 033-6003-01 | 5" Deck Pulley                   |
| 14           | 2   | 033-5001-00 | 5 3/4" Deck Idler Pulley         |
| 15           | 1   | 025-5337-00 | 1 1/4" Pulley Spacer             |
| 16           | 1   | 025-5338-00 | 1 1/2" Pulley Spacer             |
| 17           | 1   | 025-5339-00 | 1 3/4" Pulley Spacer             |
| 18           | 2   | 048-6056-00 | Turnbuckle                       |
| 19           | 2   | 013-6058-00 | 3/4" Left Handed Nut             |
| 20           | 4   | 022-5234-00 | Anti-Scalp Rollers               |
| 21           | 4   | 018-5019-00 | 1/2" x 4" Bolt (Grade 8)         |
| 22           | 4   | 013-5300-00 | 1/2" Flange Nut                  |
| 23           | 4   | 045-6043-00 | 5/16" Knob                       |
| 24           | 2   | 031-5351-00 | Deck Support Arm (left)          |
| 25           | 2   | 031-5352-00 | Deck Support Arm (Right)         |
| 26           | 1   | 034-9035-00 | Deck Idler Spring                |
| 27           | 2   | 046-6044-00 | Female Yoke                      |
| 28           | 2   | 046-6048-00 | Male Yoke                        |
| 29           | 2   | 047-6047-00 | 3" Chain                         |
| 30           | 18  | 018-5040-00 | 3/8" x 1 1/4" Hex Bolt           |
| 31           | 14  | 013-6014-00 | 3/8" Hex Nut                     |
| 32           | 13  | 019-5037-00 | 3/8" Lock Washer                 |
| 33           | 3   | 018-5006-00 | 1/2" x 1 1/2" Bolt Fine Threaded |
| 34           | 3   | 019-5007-00 | 1/2" Lock Washer                 |
| 35           | 3   | 018-6021-00 | 5/8" x 1.5" Fine Threaded Bolt   |
| 36           | 3   | 019-4807-00 | 5/8" Lock Washer                 |
| 37           | 12  | 013-5041-00 | 3/8" Nylock Nut                  |
| 38           | 2   | 018-7050-00 | 1/2" x 4 1/2" Bolt               |
| 39           | 3   | 019-6020-00 | 1/2" Cup Washer                  |
| 40           | 6   | 018-5015-00 | 5/16" x 1" Hex Bolt              |
| 41           | 3   | 018-6036-00 | 1/2" x 2 1/2" Hex Bolt           |
| 42           | 4   | 018-6059-00 | 5/8" x 2 1/2" Hex Bolt           |
| 43           | 4   | 013-7021-00 | 5/8" Nylock Nut                  |
| 44           | 2   | 013-8047-00 | 5/16" Nylock Nut                 |
| 45           | 2   | 019-6042-00 | .360 ID Plastic Washer           |
| 46           | 3   | 018-5250-00 | 3/8" x 3/4" Hex Bolt             |
| 47           | 3   | 013-5201-00 | 3/8" Flange Nut                  |
| 48           | 2   | 018-6049-00 | 3/8" x 1" Hex Bolt               |
| 49           | 2   | 019-5029-00 | 3/8" Flat Washer                 |
| 50           | 5   | 018-6012-00 | 3/8" x 1 1/2" Hex Bolt           |
| 51           | 2   | 013-6051-00 | 3/8" Fine Threaded Jam Nut       |
| 52           | 2   | 018-6054-00 | 1/2" x 3 1/2" Bolt               |
| 53           | 1   | 024-6034-00 | Grease Fitting (Drive-In Type)   |
| 54           | 3   | 030-6029-00 | 3/8" Set Screw                   |
| 55           | 11  | 013-8050-00 | 1/2" Flange Lock Nut             |
| 56           | 4   | 019-5010-00 | 1/2" Brass Washer                |
| 57           | 5   | 018-5020-00 | 5/16" x 1 1/2" Carriage Bolt     |
| 58           | 1   | 210-6005-00 | Rubber Side Discharge            |
| 59           | 5   | 013-8049-00 | 5/16" Nylock Flange Nut          |
| 60           | 1   | 039-4870-00 | 2007 Hanger Plate                |
| 61           | 1   | 039-4871-00 | 2007 Lower Hanger Plate          |

# 52" Pup Deck



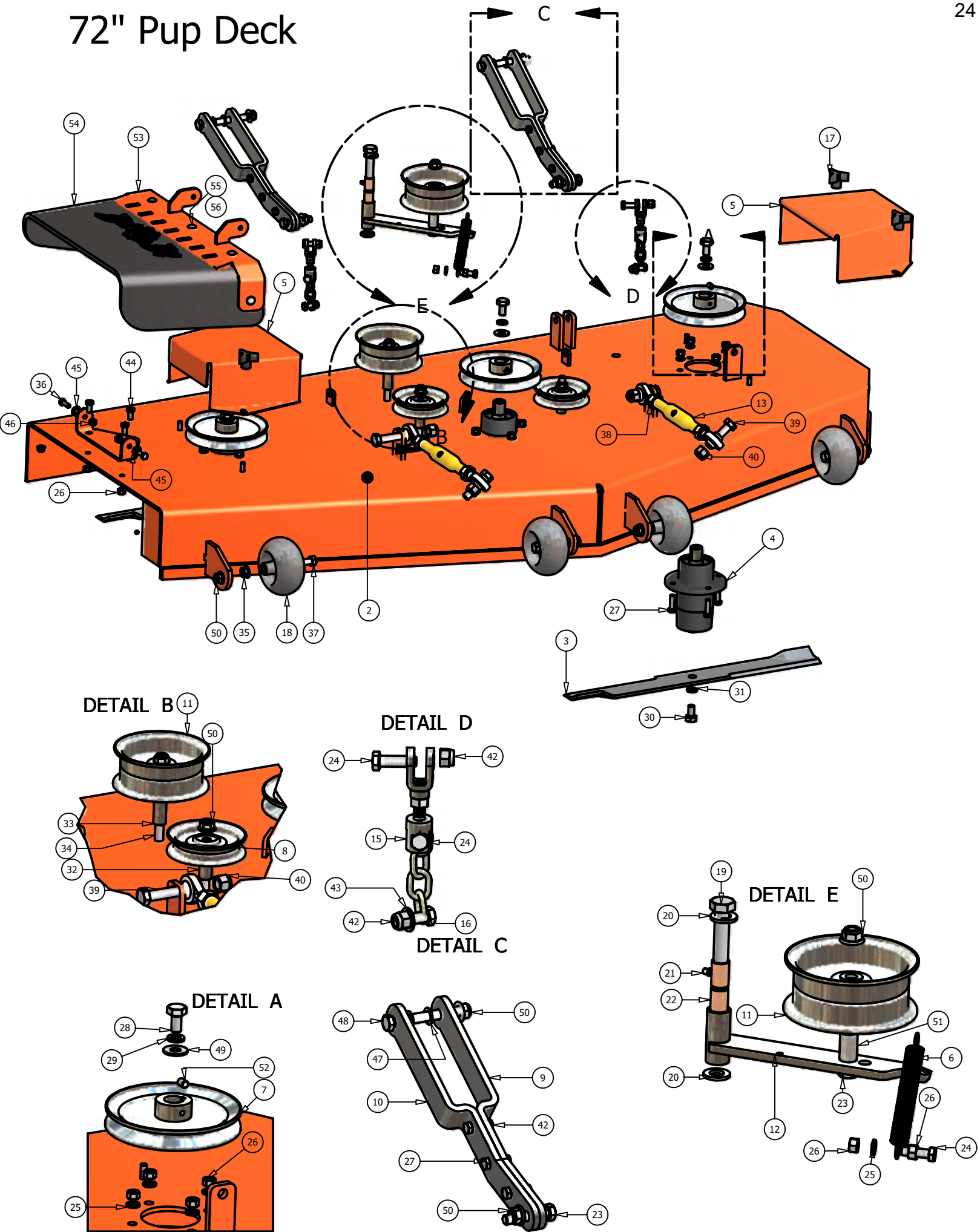
| 52" Pup Deck- Parts List |     |             |                                |
|--------------------------|-----|-------------|--------------------------------|
| ITEM                     | QTY | PART NUMBER | DESCRIPTION                    |
| 1                        | 1   | 041-1490-00 | 52" Pup Deck Belt              |
| 2                        | 3   | 038-3010-00 | 52" Fusion Blade               |
| 3                        | 1   | 060-5402-00 | 52" Deck                       |
| 4                        | 3   | 037-6015-00 | Spindle                        |
| 5                        | 1   | 206-6017-00 | Discharge Chute Hanger         |
| 6                        | 2   | 014-6004-00 | Pulley Guard                   |
| 7                        | 1   | 034-9035-00 | Deck Idler Spring              |
| 8                        | 1   | 039-6936-00 | Deck Idler Arm                 |
| 9                        | 2   | 032-6033-00 | 5/8" ID x 1 1/8" Brass Bushing |
| 10                       | 2   | 033-6001-00 | 4 3/4" Idler Pulley            |
| 11                       | 3   | 033-6003-01 | 5" Deck Pulley                 |
| 12                       | 2   | 033-5001-00 | 5 3/4" Flat Idler Pulley       |
| 13                       | 1   | 025-5337-00 | 1 1/4" Pulley Spacer           |
| 14                       | 2   | 019-6017-00 | .635 ID Plastic Washer         |
| 15                       | 1   | 024-6034-00 | Grease Fitting (Drive-In Type) |
| 16                       | 2   | 048-6056-00 | Turnbuckle                     |
| 17                       | 2   | 013-6058-00 | 3/4" Left Handed Nut           |
| 18                       | 2   | 031-6027-00 | Deck Support Arm (left)        |
| 19                       | 2   | 031-6028-00 | Deck Support Arm (Right)       |
| 20                       | 6   | 022-5234-00 | Anti-Scalp Rollers             |
| 21                       | 6   | 018-5019-00 | 1/2" x 4" Bolt (Grade 8)       |
| 22                       | 6   | 013-5300-00 | 1/2" Flange Nut                |
| 23                       | 2   | 046-6044-00 | Female Yoke                    |
| 24                       | 2   | 046-6048-00 | Male Yoke                      |
| 25                       | 4   | 045-6043-00 | 5/16" Knob                     |
| 26                       | 3   | 018-6036-00 | 1/2" x 2 1/2" Hex Bolt         |
| 27                       | 3   | 018-5250-00 | 3/8" x 3/4" Hex Bolt           |
| 28                       | 14  | 013-6014-00 | 3/8" Hex Nut                   |
| 29                       | 3   | 018-6054-00 | 1/2" x 3 1/2" Bolt             |
| 30                       | 18  | 018-5040-00 | 3/8" x 1 1/4" Hex Bolt         |
| 31                       | 12  | 013-5041-00 | 3/8" Nylock Nut                |
| 32                       | 13  | 019-5037-00 | 3/8" Lock Washer               |
| 33                       | 3   | 018-5006-00 | 1/2" x 1 1/2" Bolt             |
| 34                       | 3   | 019-6020-00 | 1/2" Spring Cupped Washer      |
| 35                       | 3   | 019-5007-00 | 1/2" Lock Washer               |
| 36                       | 3   | 018-6021-00 | 5/8" x 1.5" Fine Threaded Bolt |
| 37                       | 3   | 042-6030-00 | 1/4" x 1" Key                  |
| 38                       | 3   | 019-4807-00 | 5/8" Lock Washer               |
| 39                       | 2   | 019-6042-00 | .360 ID Plastic Washer         |
| 40                       | 2   | 018-5015-00 | 5/16" x 1" Hex Bolt            |
| 41                       | 2   | 013-8047-00 | 5/16" Nylock Nut               |
| 42                       | 4   | 019-5010-00 | 1/2" Brass Washer              |
| 43                       | 2   | 018-7050-00 | 1/2" x 4 1/2" Bolt             |
| 44                       | 4   | 018-6059-00 | 5/8" x 2 1/2" Hex Bolt         |
| 45                       | 4   | 013-7021-00 | 5/8" Nylock Nut                |
| 46                       | 1   | 018-5311-00 | 5/8" x 4" Hex Bolt             |
| 47                       | 5   | 018-6012-00 | 3/8" x 1 1/4" Hex Bolt         |
| 48                       | 2   | 013-6051-00 | 3/8" Fine Threaded Jam Nut     |
| 49                       | 2   | 047-6047-00 | 3" Chain                       |
| 50                       | 2   | 018-6049-00 | 3/8" x 1" Hex Bolt             |
| 51                       | 2   | 019-5029-00 | 3/8" Flat Washer               |
| 52                       | 3   | 030-6029-00 | 3/8" Set Screw                 |
| 53                       | 14  | 013-8050-00 | 1/2" Flange Lock Nut           |
| 54                       | 3   | 013-5201-00 | 3/8" Flange Nut                |
| 55                       | 2   | 025-5338-00 | 1 1/2" Pulley Spacer           |
| 56                       | 1   | 025-5339-00 | 1 3/4" Pulley Spacer           |
| 57                       | 1   | 039-4870-00 | 2007 Hanger Plate              |
| 58                       | 1   | 210-6005-00 | Rubber Side Discharge          |
| 59                       | 5   | 018-5020-00 | 5/16" x 1 1/2" Carriage Bolt   |
| 60                       | 5   | 013-8049-00 | 5/16" Nylock Flange Nut        |
| 61                       | 1   | 039-4871-00 | 2007 Lower Hanger Plate        |

# 60" Pup Deck



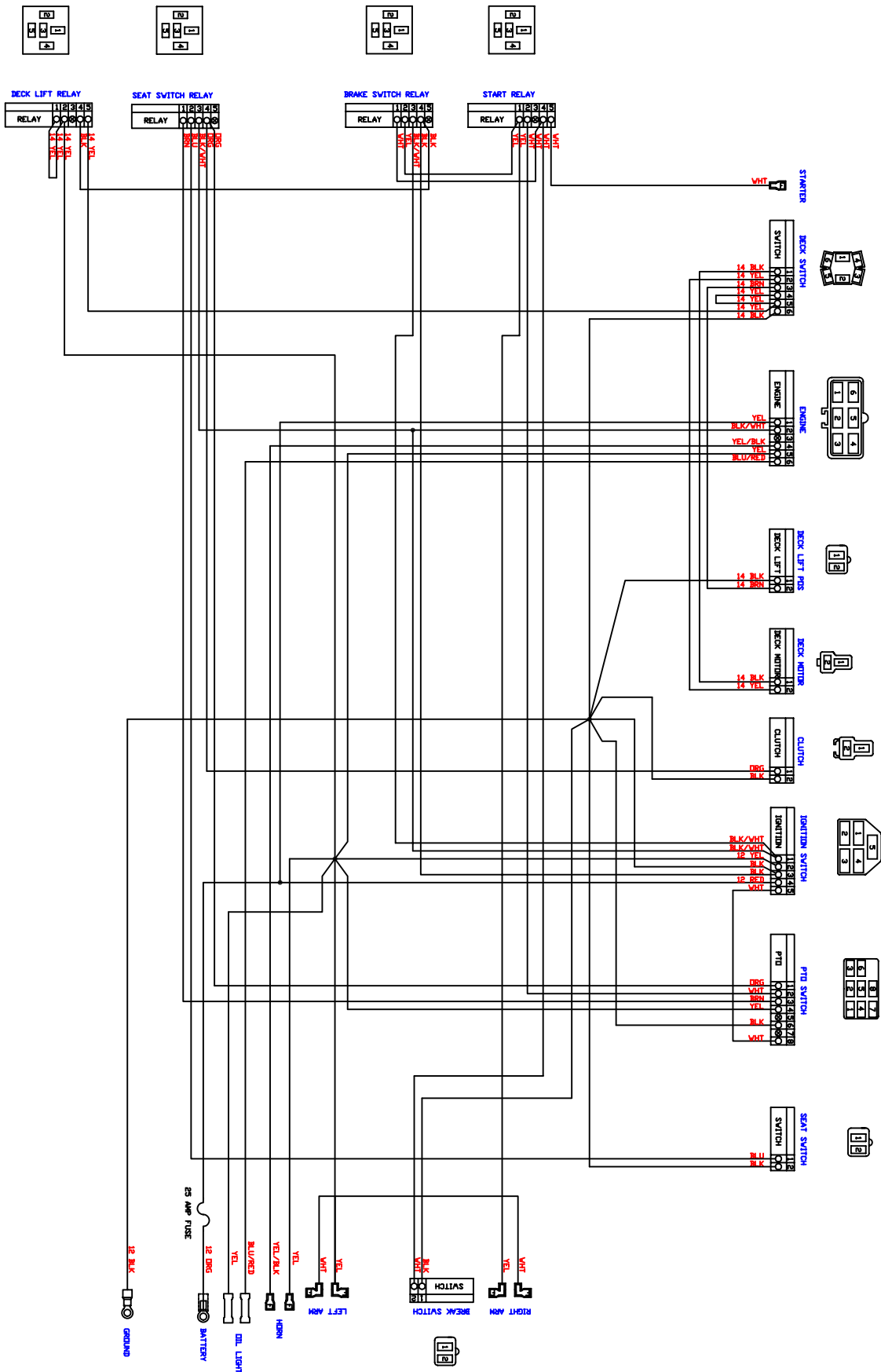
| 60 Inch Deck Parts List |     |             |                                    |
|-------------------------|-----|-------------|------------------------------------|
| ITEM                    | QTY | PART NUMBER | DESCRIPTION                        |
| 1                       | 1   | 041-1650-00 | 60" Deck Belt                      |
| 2                       | 3   | 038-6060-00 | 60" Fusion Blade                   |
| 3                       | 1   | 060-5403-00 | 60" Deck                           |
| 4                       | 1   | 206-6017-00 | Discharge Chute Hanger             |
| 5                       | 2   | 014-6004-00 | Pulley Guard                       |
| 6                       | 3   | 037-6015-00 | Spindle                            |
| 7                       | 1   | 039-6936-00 | Deck Idler Arm                     |
| 8                       | 2   | 033-6001-00 | 4 3/4" Idler Pulley                |
| 9                       | 3   | 033-6004-00 | 6 1/4" Drive Pulley                |
| 10                      | 2   | 033-5001-01 | 5 3/4" Flat Idler Pulley           |
| 11                      | 1   | 025-5337-00 | 1 1/4" Pulley Spacer               |
| 12                      | 2   | 025-5338-00 | 1 1/2" 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 Handed 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 Rollers                 |
| 19                      | 6   | 018-5019-00 | 1/2" x 4" Bolt (Grade 8)           |
| 20                      | 6   | 013-5300-00 | 1/2" Flange Nut                    |
| 21                      | 1   | 034-9035-00 | 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 (Drive-In Type)     |
| 27                      | 2   | 032-6033-00 | 5/8" ID x 1 1/8" Brass Bushing     |
| 28                      | 3   | 018-6049-00 | 3/8" x 1" Hex Bolt                 |
| 29                      | 13  | 019-5037-00 | 3/8" Lock Washer                   |
| 30                      | 3   | 018-6021-00 | 5/8" x 1.5" Fine Threaded Bolt     |
| 31                      | 3   | 018-5006-00 | 1/2" x 1 1/2" Bolt (Fine Threaded) |
| 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                      | 2   | 013-8047-00 | 5/16" Nylock Nut                   |
| 40                      | 4   | 018-6059-00 | 5/8" x 2 1/2" Hex Bolt             |
| 41                      | 4   | 013-7021-00 | 5/8" Nylock Nut                    |
| 42                      | 3   | 018-6054-00 | 1/2" x 3 1/2" Bolt                 |
| 43                      | 13  | 013-5041-00 | 3/8" Nylock Nut                    |
| 44                      | 4   | 019-5010-00 | 1/2" Brass Washer                  |
| 45                      | 2   | 018-7050-00 | 1/2" x 4 1/2" Bolt                 |
| 46                      | 18  | 018-5040-00 | 3/8" x 1 1/4" Hex Bolt             |
| 47                      | 14  | 013-6014-00 | 3/8" Hex Nut                       |
| 48                      | 3   | 019-5007-00 | 1/2" Lock Washer                   |
| 49                      | 2   | 018-6036-00 | 1/2" x 2 1/2" Hex Bolt             |
| 50                      | 5   | 018-6012-00 | 3/8" x 1 1/2" Hex Bolt             |
| 51                      | 3   | 019-6020-00 | 1/2" Cupped Washer                 |
| 52                      | 13  | 013-8050-00 | 1/2" Flange Lock Nut               |
| 53                      | 1   | 039-4863-00 | 2007 Lower Hanger Plate            |
| 54                      | 1   | 039-4864-00 | 2007 Hanger Plate                  |
| 55                      | 1   | 210-6005-00 | Rubber Side Discharge              |
| 56                      | 5   | 018-5020-00 | 5/16" x 1 1/2" Carriage Bolt       |
| 57                      | 5   | 013-8049-00 | 5/16" Nylock Flange Nut            |

# 72" Pup Deck



| 72" Pup Deck |     |             |                                |
|--------------|-----|-------------|--------------------------------|
| ITEM         | QTY | PART NUMBER | DESCRIPTION                    |
| 1            | 1   | 041-1890-00 | 72" Deck Belt-B189             |
| 2            | 1   | 060-7205-00 | 72" Deck                       |
| 3            | 3   | 038-7230-00 | 72" Fusion Blade               |
| 4            | 3   | 037-6015-00 | Spindle                        |
| 5            | 2   | 014-7204-00 | Pulley Guard                   |
| 6            | 1   | 034-9035-00 | 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   | 033-5001-01 | 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 Rollers             |
| 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           | 3   | 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 1.5" Fine Threaded 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 (Grade 8)       |
| 38           | 2   | 013-6058-00 | 3/4" Left Handed Nut           |
| 39           | 4   | 018-6059-00 | 5/8" x 2 1/2" Hex Bolt         |
| 40           | 4   | 013-7021-00 | 5/8" Nylock Nut                |
| 41           | 2   | 013-6051-00 | 3/8" Fine Threaded Jam Nut     |
| 42           | 12  | 013-5041-00 | 3/8" Nylock Nut                |
| 43           | 2   | 019-5029-00 | 3/8" Flat Washer               |
| 44           | 3   | 018-5250-00 | 3/8" x 3/4" Hex Bolt           |
| 45           | 2   | 019-6042-00 | .360 ID Plastic Washer         |
| 46           | 2   | 013-8047-00 | 5/16" Nylock Nut               |
| 47           | 4   | 019-5010-00 | 1/2" Brass Washer              |
| 48           | 2   | 018-7050-00 | 1/2" x 4 1/2" Bolt             |
| 49           | 3   | 019-6020-00 | 1/2" Cupped Washer             |
| 50           | 14  | 013-8050-00 | 1/2" Flange Lock Nut           |
| 51           | 1   | 025-5337-00 | 1 1/4" Pulley Spacer           |
| 52           | 3   | 030-6029-00 | 3/8" Set Screw                 |
| 53           | 1   | 039-4880-00 | 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   | 039-4881-00 | 2007 Lower Hanger Plate        |

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# ELECTREX, INC.

HUTCHINSON, KS

CUSTOMER \_\_\_\_\_ BAD BOY

THEIR P/N \_\_\_\_\_ 086-2010-00

DWG TITLE \_\_\_\_\_ SCHEMATIC

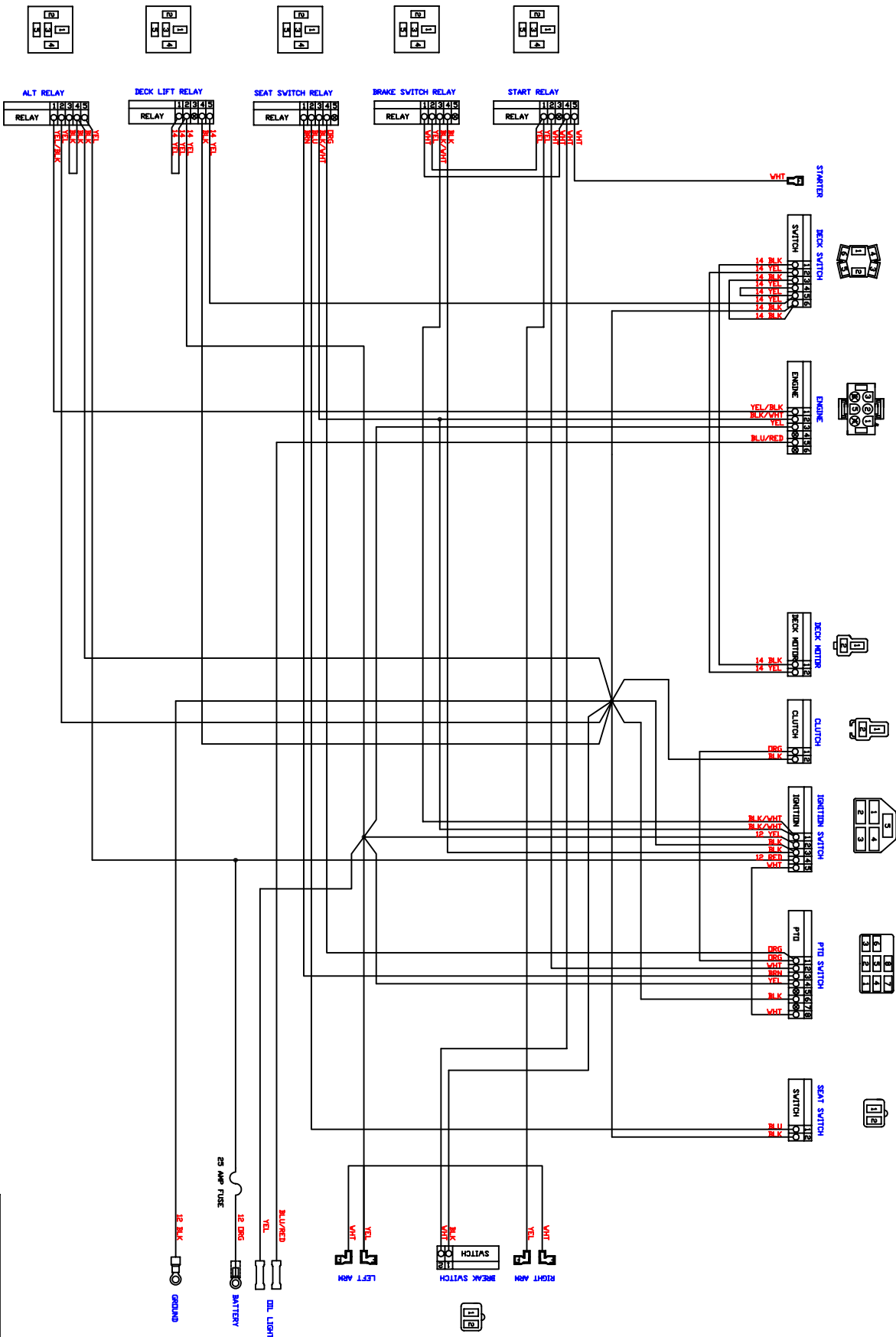
OUR P/N \_\_\_\_\_ 919806SCHEMATIC

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HUTCHINSON, KS

CUSTOMER \_\_\_\_\_ BAD BOY

THEIR P/N \_\_\_\_\_ 086-2050-00

DWG TITLE \_\_\_\_\_ SCHEMATIC

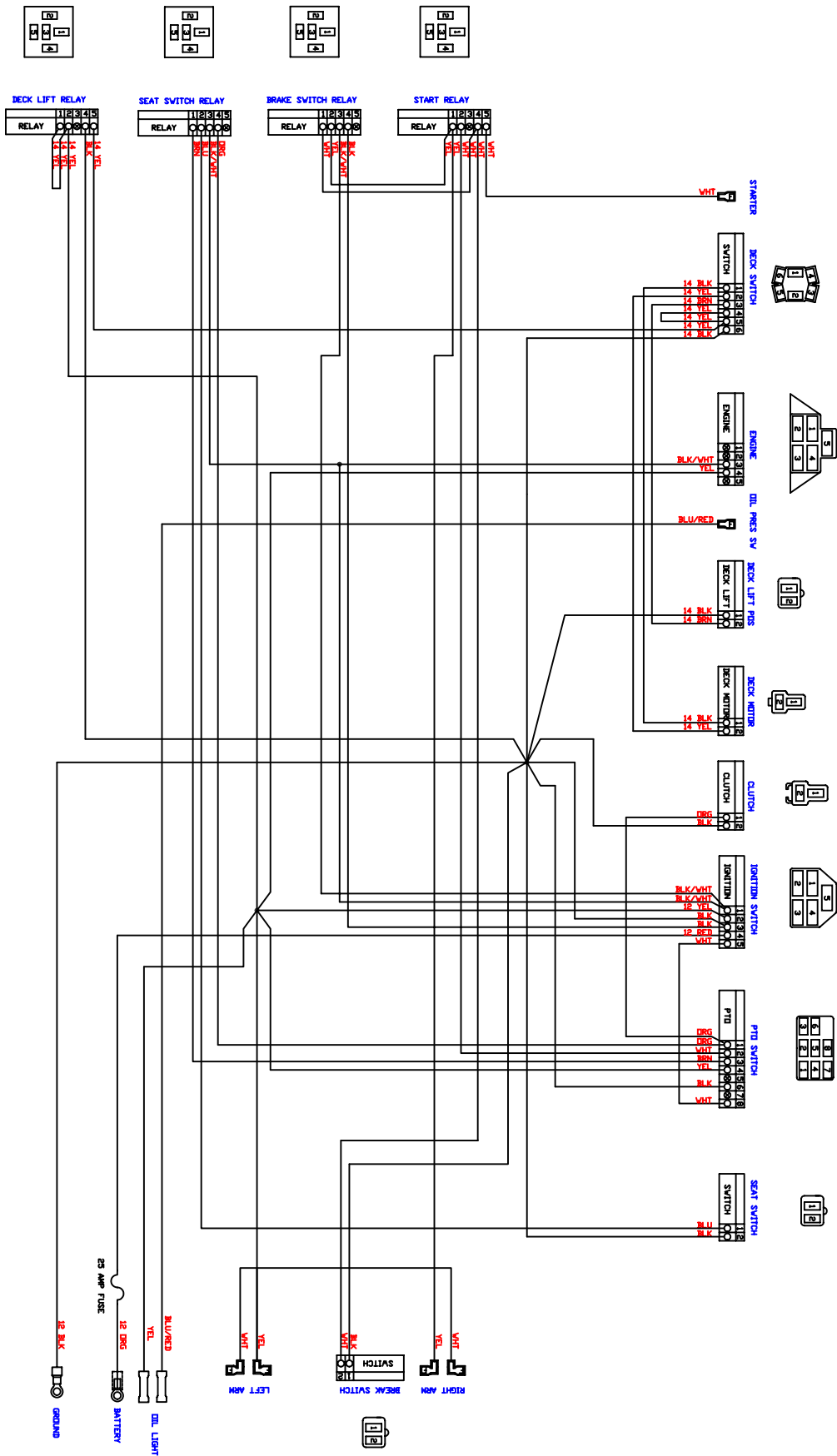
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CUSTOMER \_\_\_\_\_ BAD BOY

THEIR P/N \_\_\_\_\_ 086-2008-00

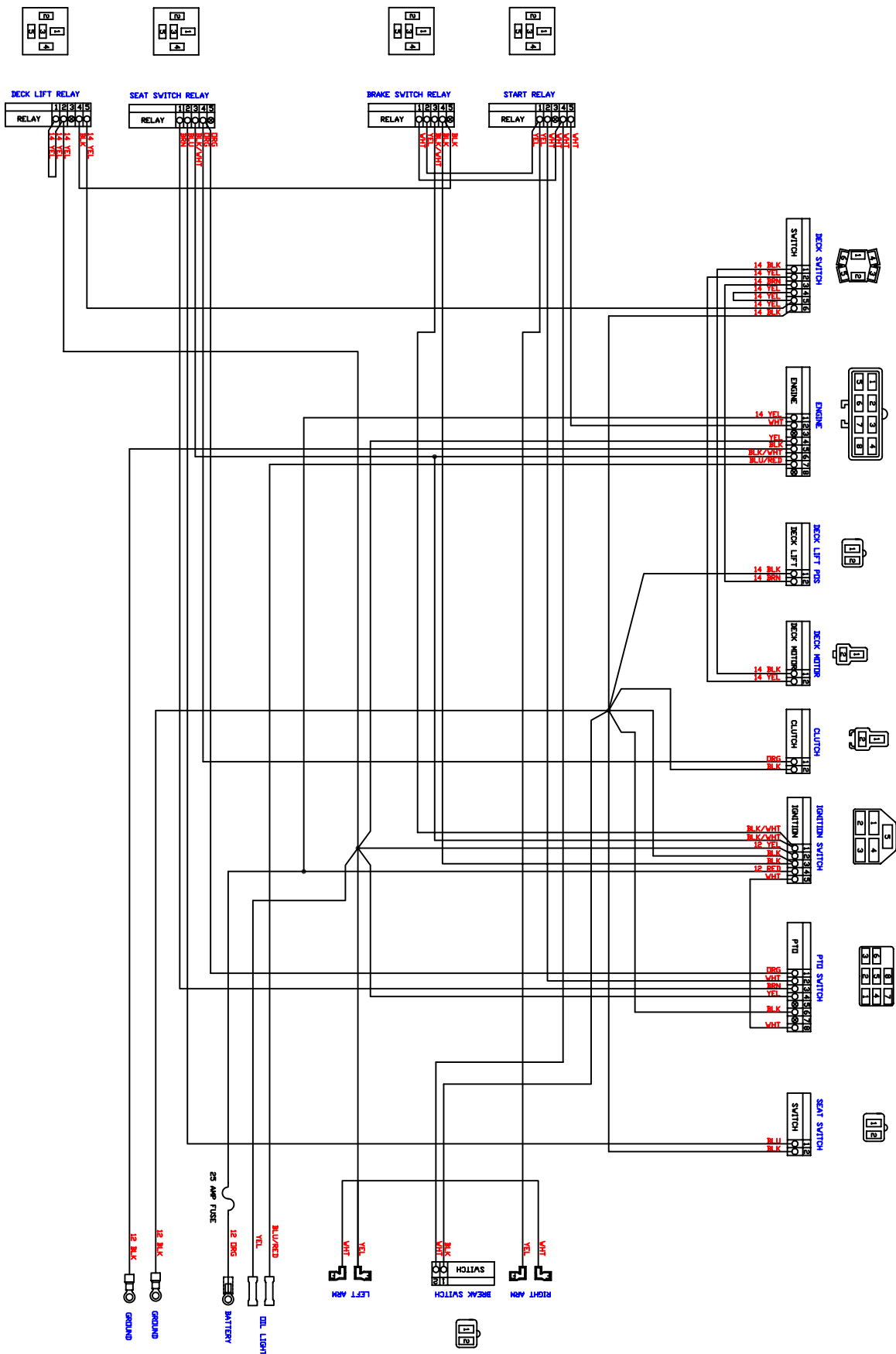
DWG TITLE \_\_\_\_\_ SCHEMATIC

OUR P/N \_\_\_\_\_ 9198030SCHEMATIC

P 1 OF 1 REVISION A

DRAWN BY AND DATE 9/28/05

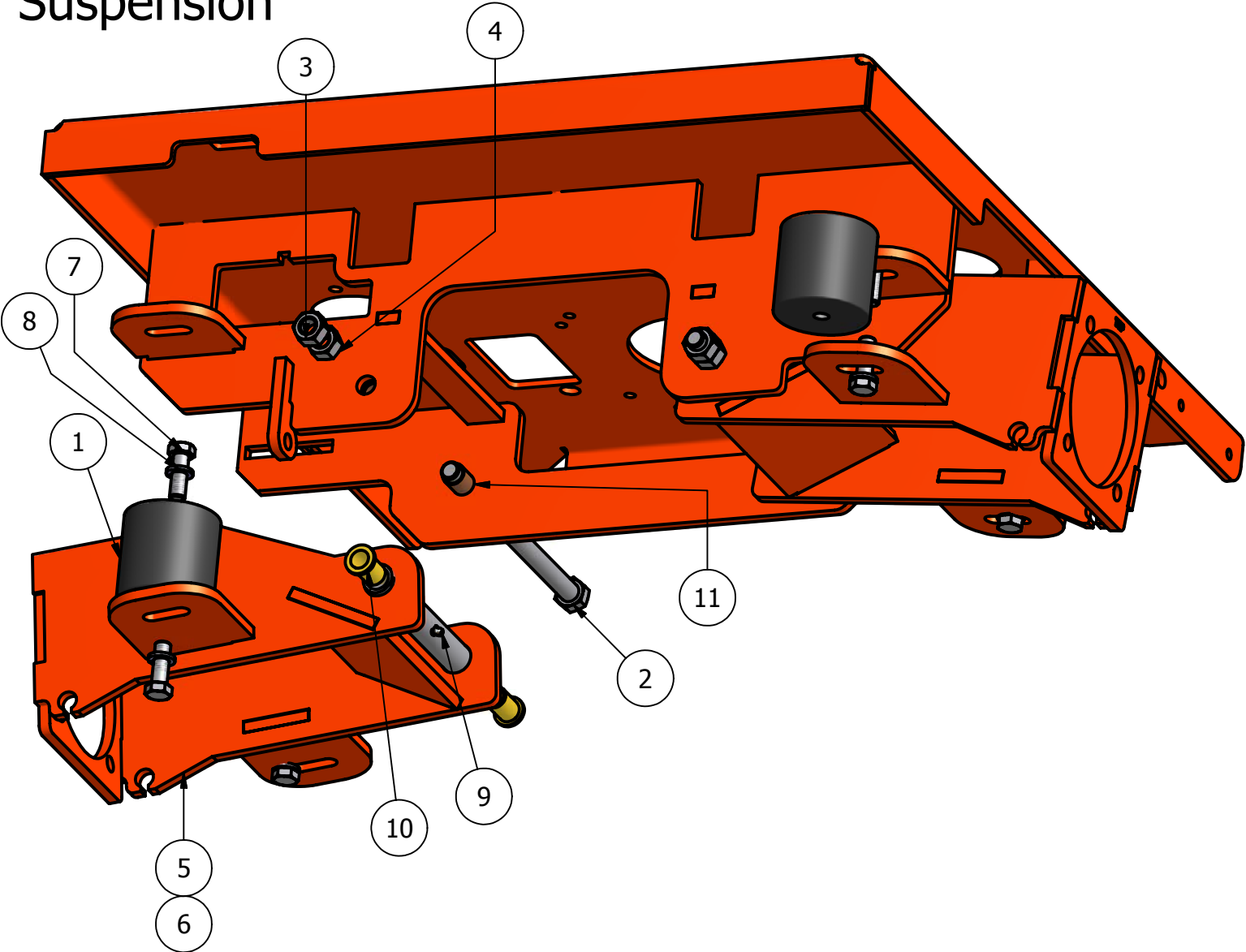
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# Suspension



| 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   | 032-5050-00 | Shoulder Spacer               |
| 11         | 4   | 024-5204-00 | 3" Long Motor Fitting         |
| 12         | 4   | 215-2000-00 | 3/4" Brass Bushing            |

**FOR ALL OF YOUR PARTS NEEDS CALL**



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