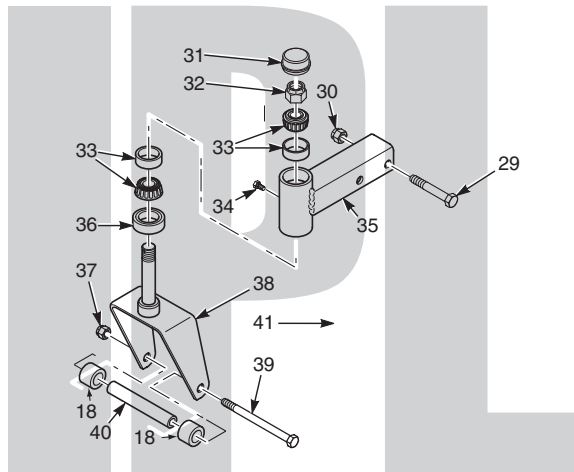


# SCAG<sup>®</sup>

## POWER EQUIPMENT



# *ILLUSTRATED PARTS MANUAL*



## Model STT-Diesel Turf Tiger

**THIS MANUAL CONTAINS THE ILLUSTRATED PARTS LIST FOR MODELS:**

**STT61V-28CAT  
STT-28CAT  
SMT-72V**

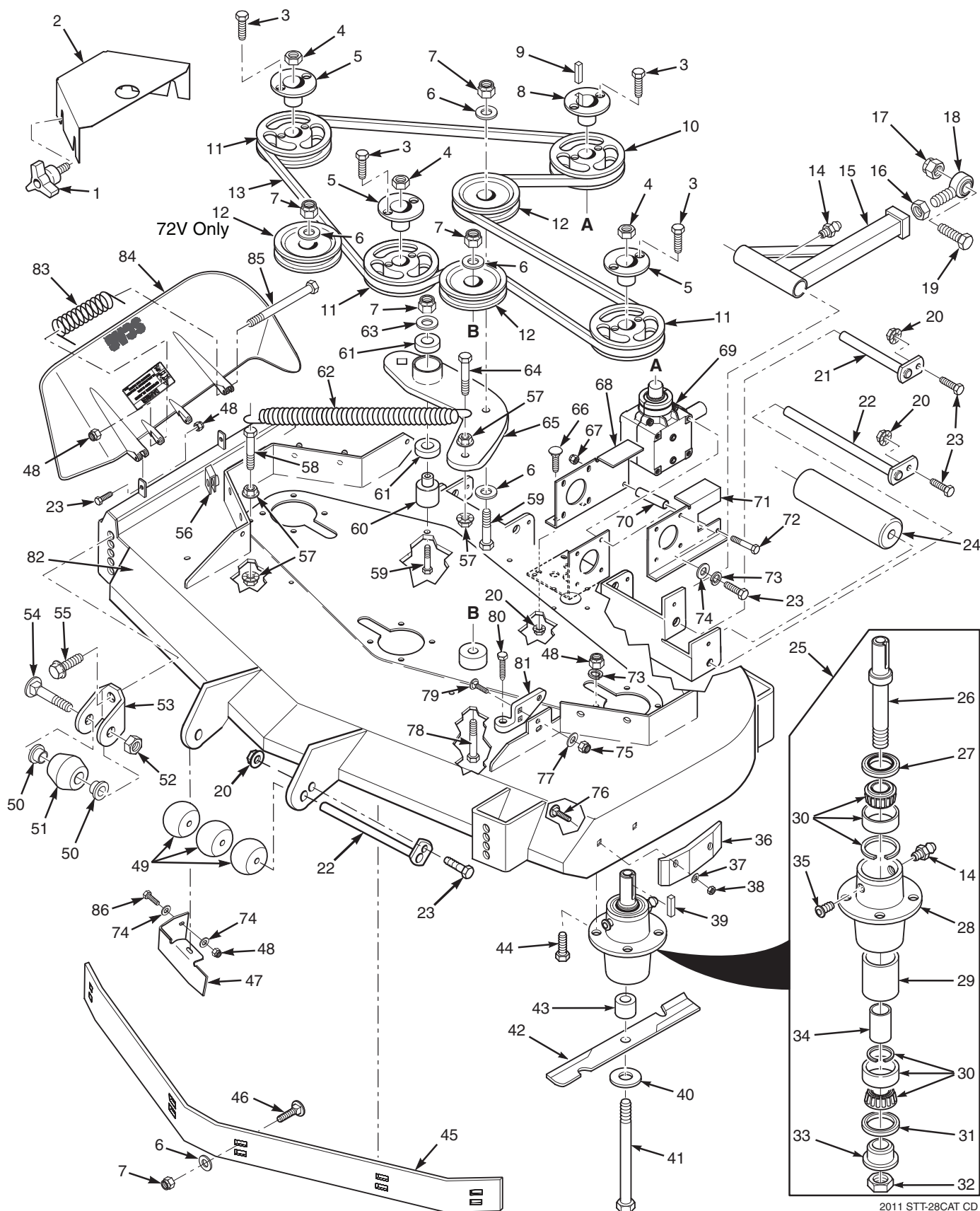
**with a serial number of F5800001 to F5899999  
with a serial number of F6400001 to F6499999  
with a serial number of F7200001 to F7299999**



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### 61V & 72V Cutter Deck

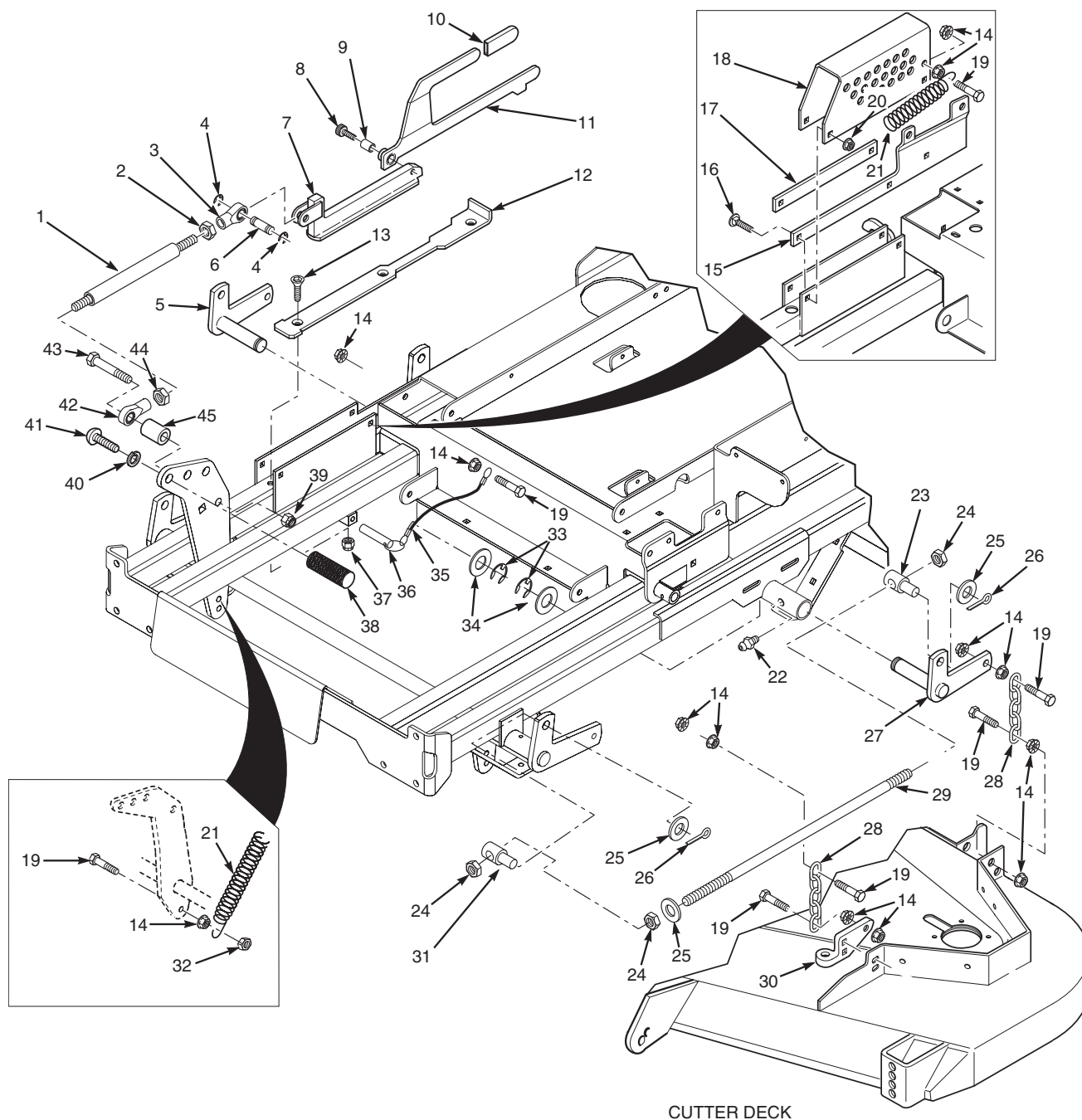


2011 STT-28CAT CD

## 61V &amp; 72V Cutter Deck

| Ref. No. | Part No.  | Description                           | 61 | 72 | Ref. No. | Part No.  | Description                            | 61 | 72 |
|----------|-----------|---------------------------------------|----|----|----------|-----------|----------------------------------------|----|----|
| 1        | 481625-01 | Wing Nut, 3/8-16                      | X  | X  | 45       | 424841    | Baffle, Custom Cut 61V                 | X  |    |
| 2        | 424325    | Belt Cover                            | X  |    |          | 424917    | Baffle, Custom Cut 72V                 |    | X  |
|          | 422708    | Belt Cover RH                         |    | X  | 46       | 04003-23  | Bolt, Carriage 3/8-16 x 1"             | X  | X  |
|          | 422677    | Belt Cover LH                         |    | X  | 47       | 424209    | Discharge Baffle 61V                   | X  | X  |
| 3        | 04001-172 | Bolt, Hex Head 1/4-20 x 1" Grd 8      | X  | X  |          | 424856    | Discharge Baffle 72V                   | X  | X  |
| 4        | 04020-09  | Nut, 5/8-11 UNC                       | X  | X  | 48       | 04021-22  | Nut, Hex Elastic Stop 5/16-18 Grd 8    | X  | X  |
| 5        | 48926     | Tapered Hub, 1-1/8" Bore              | X  | X  | 49       | 482295    | Wheel, Anti-Scalp                      | X  | X  |
| 6        | 04041-07  | Flatwasher, 3/8" (.391 x .938 x .105) | X  | X  | 50       | 48100-15  | Bushing, .376 I.D. Oilite              | X  | X  |
| 7        | 04021-09  | Nut, Hex Elastic Stop 3/8-16          | X  | X  | 51       | 481632    | Anti-Scalp Wheel                       | X  | X  |
| 8        | 48141     | Tapered Hub, 1" Bore                  | X  | X  | 52       | 04021-05  | Locknut, 3/8-16 Center Lock            | X  | X  |
| 9        | 04063-01  | Key, 1/4 x 1/4 x 1-1/4"               | X  | X  | 53       | 422478    | Anti-Scalp Wheel Bracket               | X  | X  |
| 10       | 482746    | Pulley, 6.75 O.D.                     | X  |    | 54       | 04003-26  | Bolt, Carriage 3/8-16 x 4"             | X  | X  |
|          | 482747    | Pulley, 6.95 O.D.                     |    | X  | 55       | 04017-27  | Bolt, Hex Serrated Flange 3/8-16 x 1"  | X  | X  |
| 11       | 482744    | Pulley, 5.75 O.D.                     | X  |    | 56       | 04110-03  | U-Nut, 3/8-16                          | X  | X  |
|          | 482746    | Pulley, 6.75 O.D.                     |    | X  | 57       | 04019-04  | Nut, Hex Serrated Flange 3/8-16        | X  | X  |
| 12       | 483215    | Pulley, Idler                         | X  | X  | 58       | 04001-20  | Bolt, Hex Head 3/8-16 x 1-1/2"         | X  | X  |
| 13       | 483741    | Belt, Cutter Deck Drive               | X  |    | 59       | 04001-54  | Bolt, Hex Head 3/8-16 x 3"             | X  | X  |
|          | 481980    | Belt, Cutter Deck Drive               |    | X  | 60       | 43681     | Pivot, Idler - Short                   | X  | X  |
| 14       | 48114-04  | Grease Fitting                        | X  | X  | 61       | 48224     | Bearings, Ball                         | X  | X  |
| 15       | 461516    | Pusharm (incl. items 14, 16, & 18)    | X  | X  | 62       | 483704    | Spring, Cutter Deck                    | X  | X  |
| 16       | 04020-16  | Nut, Hex Head 5/8-18 UNF              | X  | X  | 63       | 04043-04  | Flatwasher, 3/8-.39 x .938 x .105 HD   | X  | X  |
| 17       | 04021-13  | Nut, Hex Elastic Stop 5/8-11          | X  | X  | 64       | 04001-136 | Bolt, Hex Head 3/8-16 x 1-1/2" Grd 8   | X  | X  |
| 18       | 48763     | Rod End, 5/8" Male RH Thread          | X  | X  | 65       | 461842    | Idler Arm, Cutter Deck                 | X  | X  |
| 19       | 04001-79  | Bolt, Hex Head 5/8-11 x 4-1/2"        | X  | X  | 66       | 04003-12  | Bolt, Carriage 5/16-18 x 3/4"          | X  | X  |
| 20       | 04019-03  | Nut, Hex Serrated Flange 5/16-18      | X  | X  | 67       | 04021-10  | Nut, Elastic Stop 5/16-18              | X  | X  |
| 21       | 451240    | Push Arm Shaft                        | X  | X  | 68       | 424798    | Mounting Plate, RH Gearbox             | X  | X  |
| 22       | 45944     | Roller Shaft                          | X  | X  | 69       | 482486    | Gearbox Assembly, Deck Drive           | X  | X  |
| 23       | 04001-12  | Bolt, Hex Head 5/16-18 x 1-3/4"       | X  | X  | 70       | 43763     | Spacer, Gearbox Mount                  | X  | X  |
| 24       | 48038     | Wheel, Anti-Scalp                     | X  | X  | 71       | 424799    | Mounting Plate, LH Gearbox             | X  | X  |
| 25       | 461663    | Spindle Assembly                      | X  | X  | 72       | 04001-154 | Bolt, Hex Head 5/16-18 x 4-3/4"        | X  | X  |
| 26       | 43589     | Spindle Shaft                         | X  | X  | 73       | 04030-03  | Lockwasher, 5/16"                      | X  | X  |
| 27       | 481024    | Seal, Top                             | X  | X  | 74       | 04040-15  | Flatwasher, 5/16" (.375 x .875 x .083) | X  | X  |
| 28       | 43644     | Spindle Housing                       | X  | X  | 75       | 04021-11  | Nut, Elastic Stop 7/16-14              | X  | X  |
| 29       | 43312     | Spacer, Outside                       | X  | X  | 76       | 04003-12  | Bolt, Carriage 5/16-18 x 3/4"          | X  | X  |
| 30       | 481022    | Bearing Assembly                      | X  | X  | 77       | 04040-11  | Flatwasher, 7/16-.500 x 1.25 x .083    | X  | X  |
| 31       | 481025    | Seal, Bottom                          | X  | X  | 78       | 04001-62  | Bolt, Hex Head 3/8-16 x 3-1/4"         | X  | X  |
| 32       | 481035    | Nut, Special 1-1/16-18                | X  | X  | 79       | 04003-40  | Bolt, Carriage 7/16-14 x 1-1/4"        | X  | X  |
| 33       | 43297     | Spindle Bushing, Bottom               | X  | X  | 80       | 483167    | Bolt, Deck Adjust                      | X  | X  |
| 34       | 43296     | Spacer, Inside                        | X  | X  | 81       | 461929    | Lever Assy, Deck Level (Incl. 80)      | X  | X  |
| 35       | 48677     | Relief Fitting, Tapered Spindle       | X  | X  | 82       | 462143    | Cutter Deck 61 V w/Decals              | X  |    |
| 36       | 483176    | Wear Pad                              | X  |    |          | 462144    | Cutter Deck 72 V w/Decals              |    | X  |
|          | 483174    | Wear Pad                              |    | X  | 83       | 483378    | Spring, Discharge Chute                | X  | X  |
| 37       | 04040-04  | Flatwasher, 5/16"                     | X  | X  | 84       | 461846    | Discharge Chute 61V                    | X  |    |
| 38       | 04021-04  | Nut, Center Lock 5/16-18              | X  | X  |          | 462132    | Discharge Chute 72V                    |    | X  |
| 39       | 04063-08  | Key, 1/4 x 1/4 x 2"                   | X  | X  | 85       | 04001-108 | Bolt, Hex Head 5/16-18 x 4-1/2"        | X  | X  |
| 40       | 04043-06  | Flatwasher, 5/8" Hardened             | X  | X  | 86       | 04001-09  | Bolt, Hex Head 5/16-18 x 1"            | X  | X  |
| 41       | 04001-41  | Bolt, Hex Head 5/8-11 x 9-1/2"        | X  | X  |          |           |                                        |    |    |
| 42       | 482879    | Cutter Blade, 21"                     | X  |    |          |           |                                        |    |    |
|          | 482882    | Cutter Blade, 24.5"                   |    | X  |          |           |                                        |    |    |
| 43       | 43590     | Spacer, Spindle Bottom                | X  | X  |          |           |                                        |    |    |
| 44       | 04001-176 | Bolt, Hex Head 5/16-18 x 1-3/4"       | X  | X  |          |           |                                        |    |    |

### CUTTER DECK CONTROLS

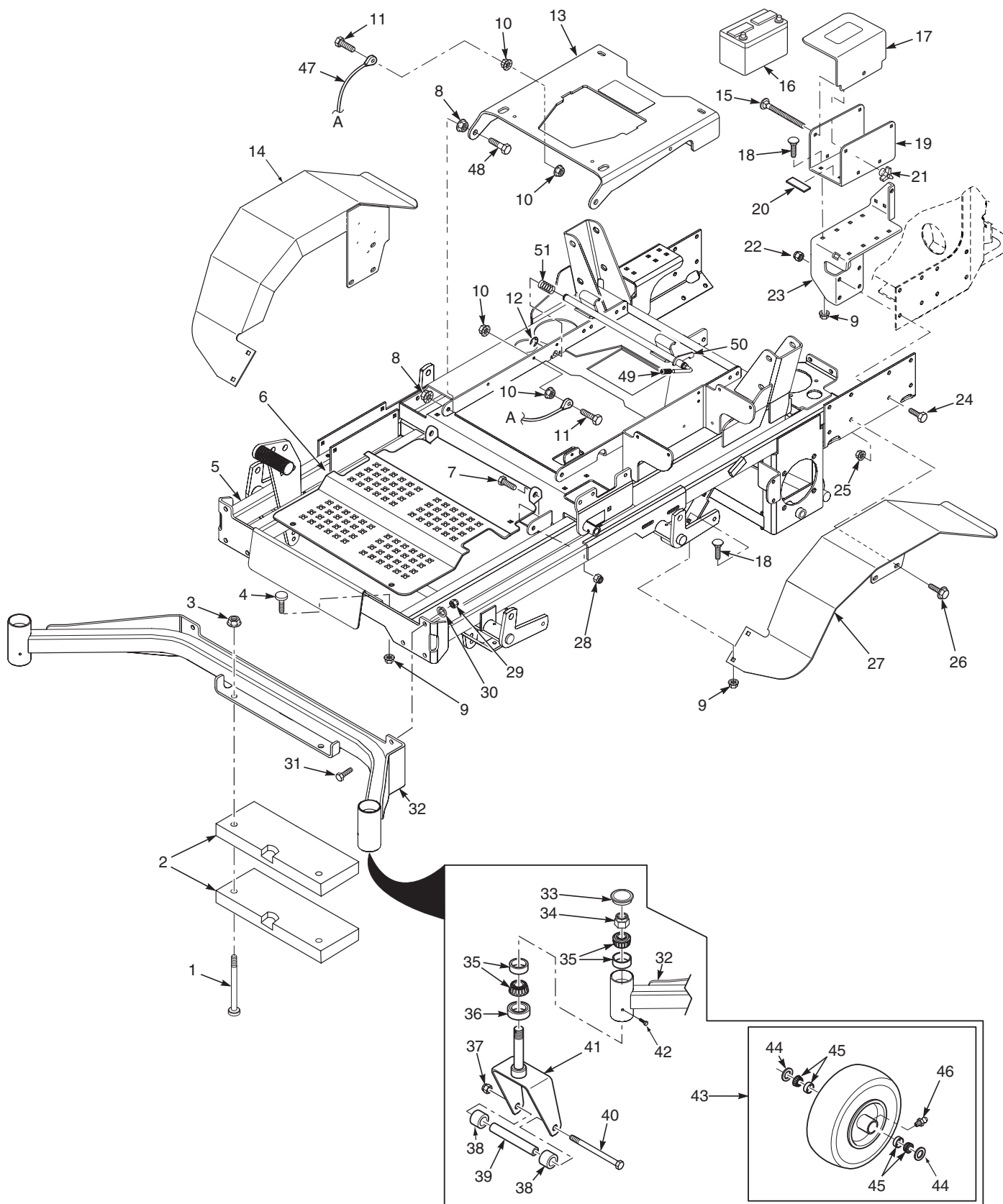


STT-28CAT 2008CDC

## CUTTER DECK CONTROLS

| Ref. No. | Part No.  | Description                                  |
|----------|-----------|----------------------------------------------|
| 1        | 481764    | Link, Deck Lift                              |
| 2        | 04020-28  | Nut, Jam 1/2-20 LH                           |
| 3        | 481766    | Rod End, Female - 1/2-20 LH                  |
| 4        | 04050-10  | Ring, Retaining 1/2" External "E"            |
| 5        | 45905     | Bellcrank Weldment, RH Rear                  |
| 6        | 43487     | Pin, Decklift                                |
| 7        | 482429    | Slide Weldment, Height Adjustment            |
| 8        | 04009-02  | Bolt, Shoulder 1/2 x 3/4"                    |
| 9        | 48100-14  | Bushing, .502 ID.                            |
| 10       | 481428    | Grip, Deck Latch                             |
| 11       | 462102    | Deck Latch (Includes items 9 & 10)           |
| 12       | 424857    | Lockplate, Decklift                          |
| 13       | 04014-03  | Screw, Cap 5/16-18 x 3" FHHS                 |
| 14       | 04019-04  | Nut, Hex Serrated Flange 3/8-16              |
| 15       | 423509    | Guide, Long                                  |
| 16       | 04003-04  | Bolt, Carriage 5/16-18 x 1"                  |
| 17       | 422381    | Guide, Short                                 |
| 18       | 423463    | Bracket, Cutting Height Adjustment           |
| 19       | 04001-20  | Bolt, Hex Head 3/8-16 x 1-1/2"               |
| 20       | 04019 -03 | Nut, Hex Serrated Flange 5/16-18             |
| 21       | 481598    | Spring, Helper (61" & 72" Cutter Decks Only) |
| 22       | 48114-04  | Grease Fitting                               |
| 23       | 43526     | Swivel Joint, LH                             |
| 24       | 04020-09  | Nut, Hex 5/8-11                              |
| 25       | 04040-09  | Flatwasher, 5/8" (.656 x 1.312 x .095)       |
| 26       | 04061-07  | Cotter Pin, 3/16 x 1"                        |
| 27       | 45904     | Bellcrank Weldment, LH Rear                  |
| 28       | 48540     | Chain                                        |
| 29       | 04004-48  | Stud, 5/8-11 x 26.0"                         |
| 30       | 461929    | Lever Assembly, Deck Level                   |
| 31       | 43527     | Swivel Joint, RH                             |
| 32       | 04021-05  | Locknut, 3/8-16 Center Lock                  |
| 33       | 04050-08  | Ring, Retaining 1" External "E"              |
| 34       | 04041-14  | Flatwasher, 1" (1.062 x 1.50 x .048)         |
| 35       | 481547    | Lanyard, Deck Height Pin                     |
| 36       | 04067-09  | Ring Pin, 1/2 x 3.06"                        |
| 37       | 04021-09  | Nut, 3/8-16 Elastic Stop                     |
| 38       | 424504    | Foot Pedal, Height Adjustment                |
| 39       | 04021-07  | Nut, Hex Elastic Stop 1/2-13                 |
| 40       | 04030-07  | Lockwasher, 5/8"                             |
| 41       | 04105-01  | Capscrew, 5/8-11 x 1-1/2"                    |
| 42       | 481765    | Rod End, Female - 1/2-20 RH                  |
| 43       | 04001-74  | Bolt, Hex Head 1/2-13 x 3"                   |
| 44       | 04020-27  | Nut, Jam 1/2-20 RH                           |
| 45       | 43391     | Spacer, Decklift Pedal                       |

### SHEET METAL COMPONENTS

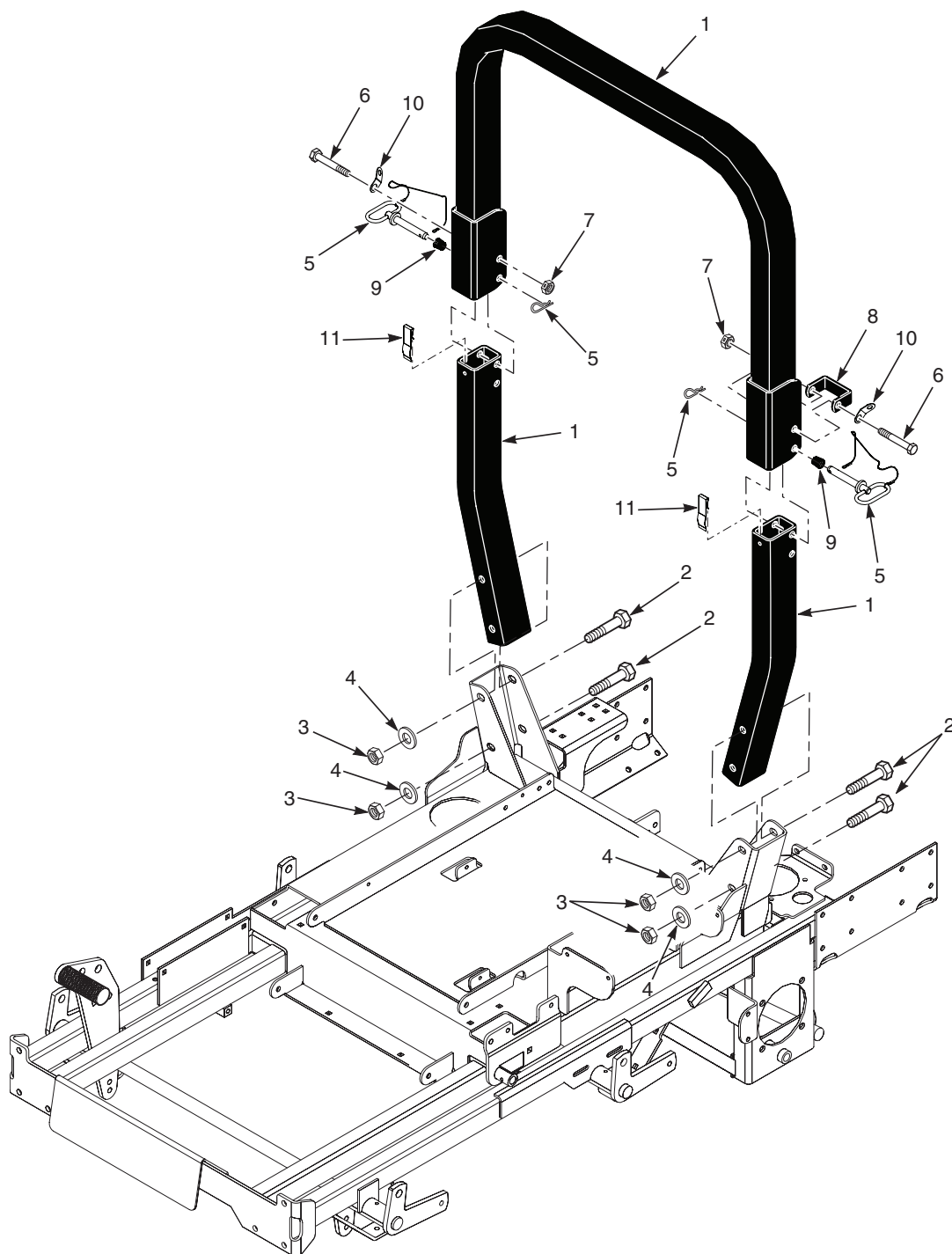




## SHEET METAL COMPONENTS

| Ref. No. | Part No.  | Description                                    |
|----------|-----------|------------------------------------------------|
| 1        | 04001-145 | Bolt, Hex Head 1/2-13 x 3.5"                   |
| 2        | 41020     | Weight                                         |
| 3        | 04021-07  | Nut, Hex Elastic Stop 1/2-13                   |
| 4        | 481284    | Bumper, Rubber 5/16-18 x 5/8"                  |
| 5        | 462330    | Main Frame Assembly w/Decals                   |
| 6        | 424847    | Foot Plate                                     |
| 7        | 04001-19  | Bolt, Hex Head 3/8-16 x 1"                     |
| 8        | 04019-05  | Nut, Hex Serrated Flange 7/16-14               |
| 9        | 04019-03  | Nut, Hex Serrated Flange 5/16-18               |
| 10       | 04019-02  | Nut, Hex Serrated Flange 1/4-20                |
| 11       | 04001-02  | Bolt, Hex Head 1/4-20 x 1-1/4"                 |
| 12       | 04050-01  | Retaining Ring .625" EXT. "E"                  |
| 13       | 491730    | Seat Plate Weldment w/Decal                    |
| 14       | 451481    | Fender Weldment, RH                            |
| 15       | 04003-01  | Bolt, Carriage 1/4-20 x 6"                     |
| 16       | *         | Battery (not avail. through Scag)              |
| 17       | 422682    | Cover, Battery                                 |
| 18       | 04003-12  | Bolt, Carriage 5/16-18 x 3/4"                  |
| 19       | 462007    | Plate, Battery Box                             |
| 20       | 48661     | Rubber Pad                                     |
| 21       | 04029-01  | Wing Nut, 1/4-20 x 3/4"                        |
| 22       | 04021-09  | Nut, Elastic Stop 3/8-16                       |
| 23       | 424488    | Battery Box Mount                              |
| 24       | 04001-19  | Bolt, Hex Head 3/8-16 x 1"                     |
| 25       | 04019-04  | Nut, Hex Serrated Flange 3/8-16                |
| 26       | 04017-27  | Screw, Hex Serrated Flange 3/8-16 x 1"         |
| 27       | 451480    | Fender Weldment, LH                            |
| 28       | 04021-09  | Nut, Hex Elastic Stop 3/8-16                   |
| 29       | 04021-11  | Nut, Elastic Stop 7/16-14                      |
| 30       | 04030-05  | Lockwasher, 7/16"                              |
| 31       | 04001-28  | Bolt, Hex Head 7/16-14 x 1-1/4"                |
| 32       | 452202    | Extention Weldment, Caster (Use with 61" Deck) |
|          | 452203    | Extention Weldment, Caster (Use with 72" Deck) |
| 33       | 484195    | Cap, Grease                                    |
| 34       | 04021-20  | Nut, Hex Elastic Stop 1.0"-14                  |
| 35       | 481657    | Bearing W/Race                                 |
| 36       | 481025    | Seal, 2.00" OD. x 1.625" Bore                  |
| 37       | 04021-07  | Nut, Hex Elastic Stop 1/2-13                   |
| 38       | 43584     | Spacer, Caster Wheel                           |
| 39       | 43583     | Sleeve, Caster Wheel                           |
| 40       | 04001-167 | Bolt, Hex Head 1/2-13 x 9-1/2"                 |
| 41       | 451416    | Yoke Weldment, Caster                          |
| 42       | 482028-01 | Plug, 1/4-28 THD Form                          |
| 43       | 92785     | Wheel Assembly, (Inc. 44, 45, & 46)            |
| 44       | 482622    | Seal                                           |
| 45       | 482621    | Bearing w/ Race                                |
| 46       | 48114-10  | Grease Fitting                                 |
| 47       | 48566     | Cable, Seat Stop                               |
| 48       | 04001-117 | Bolt, Hex Head 7/16-14 x 1-3/4"                |
| 49       | 484341    | Grip, Seat Latch                               |
| 50       | 491731    | Lever Assembly, Seat Release                   |
| 51       | 483371    | Spring, Seat Latch                             |

### STT ROLL-OVER PROTECTION SYSTEM



**STT ROLL-OVER PROTECTION SYSTEM**

| Ref. No. | Part No.  | Description                         |
|----------|-----------|-------------------------------------|
| 1        | 462210    | STT, ROPS                           |
| 2        | 04001-87  | Bolt, Hex Head 1/2-13 x 4"          |
| 3        | 04021-19  | Nut, Center Lock 1/2-13             |
| 4        | 04040-13  | Flatwasher, 1/2-.562 x 1.375 x .109 |
| 5        | 484168    | Pin Assembly (incl. #9 & #10)       |
| 6        | 04001-163 | Bolt, Hex Head 1/2-13 x 3-3/4"      |
| 7        | 04021-07  | Nut, Center Lock 1/2-13             |
| 8        | 425487    | Stop Bracket, ROPS                  |
| 9        | 484170    | Spring, ROPS                        |
| 10       | 484169    | Clip, ROPS                          |
| 11       | 484167    | Spring Clip, ROPS                   |

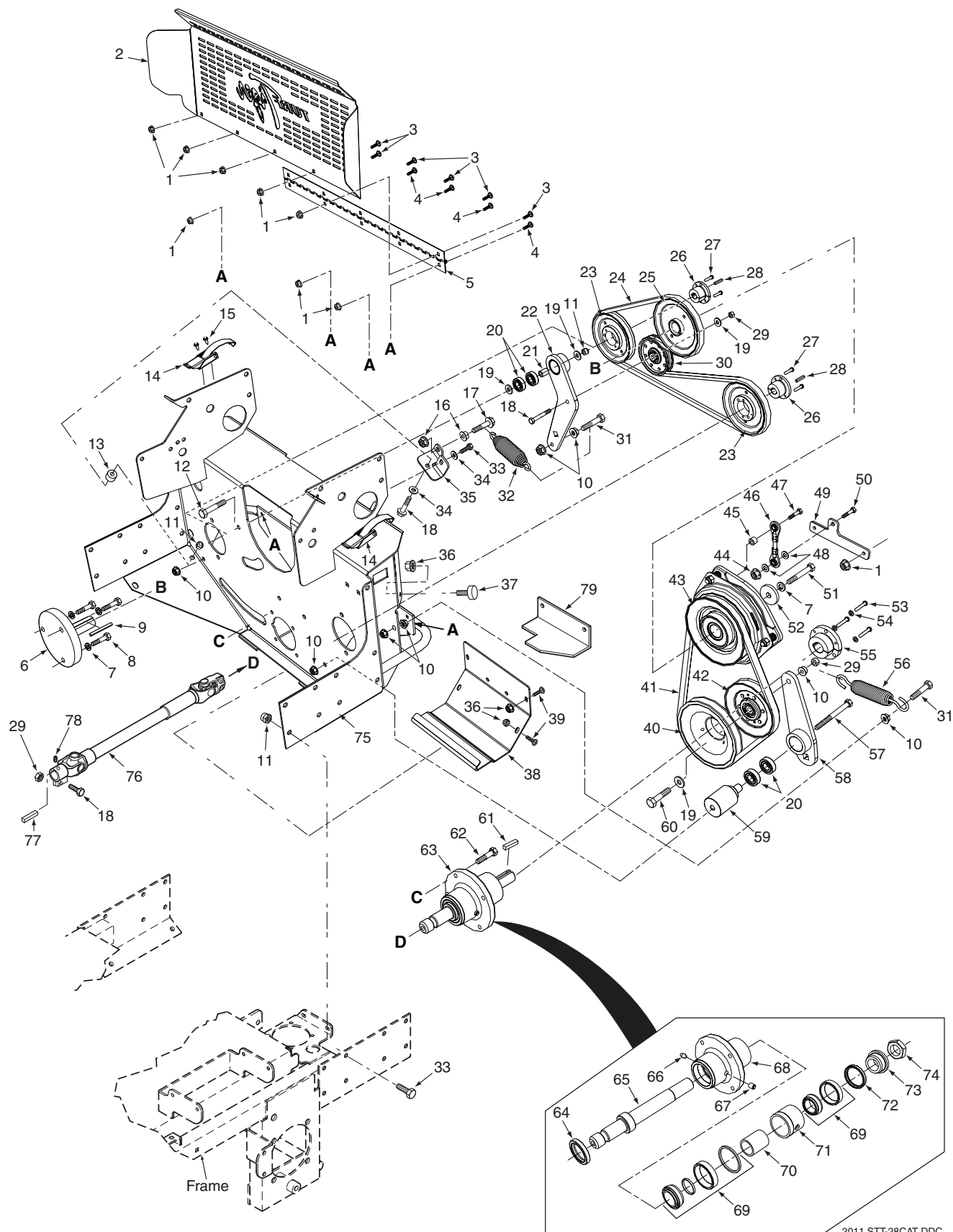
This exploded view diagram illustrates the assembly of a SPAC seat. The components are numbered as follows:

- 1**: Screws for the seat base.
- 2**: Screws for the armrests.
- 3**: Washers for the armrests.
- 4**: Armrest mounting brackets.
- 5**: The seat backrest.
- 6**: The seat backrest cover.
- 7**: A knob or adjustment screw for the backrest.
- 8**: A bracket for the seat base.
- 9**: A spring mechanism for the seat base.
- 10**: A knob or adjustment screw for the seat base.
- 11**: The seat cushion.
- 12**: Screws for the seat base.
- 13**: A long, thin component, possibly a spring or a support bar.
- 14**: Washers for the seat base.
- 15**: Screws for the seat base.
- 16**: The seat base plate.

## STT SUSPENSION SEAT

| Ref. No. | Part No.  | Description                                 |
|----------|-----------|---------------------------------------------|
| 1        | 9292      | Suspension Seat Assembly w/seat belt        |
| 2        | 04001-178 | Bolt, Hex Head 7/16-20 x 1"                 |
| 3        | 04040-11  | Flatwasher, 7/16-.500 x 1.25 x .083         |
| 4        | 483594    | Retractable Seat Belt                       |
| 5        | 482950    | Armrest Only                                |
|          | 482945    | Armrest Assembly Kit, LH                    |
|          | 482946    | Armrest Assembly Kit, RH                    |
| 6        | 482940    | Back Cushion Kit                            |
| 7        | 482943    | Lumbar Kit                                  |
|          | 482948    | Knob Kit                                    |
| 8        | 482942    | Shock Absorber Kit                          |
| 9        | 482952    | Seat Adjustment, Track Set                  |
| 10       | 482944    | Weight Adjustment Kit                       |
|          | 482948    | Knob Kit                                    |
| 11       | 482941    | Seat Cushion Kit                            |
|          |           | Seat Drain Kit (Included with Seat Cushion) |
| 12       | 04001-12  | Bolt, Hex Head 5/16-18 x 1-3/4"             |
| 13       | 483440    | Wire Harness Adapter                        |
| 14       | 04041-07  | Flatwasher, 3/8-.391 x .938 x .105          |
| 15       | 04019-03  | Nut, Serrated Flange 5/16-18                |
| 16       | 491730    | Seat Plate Weldment w/Decal                 |

### DECK DRIVE COMPONENTS

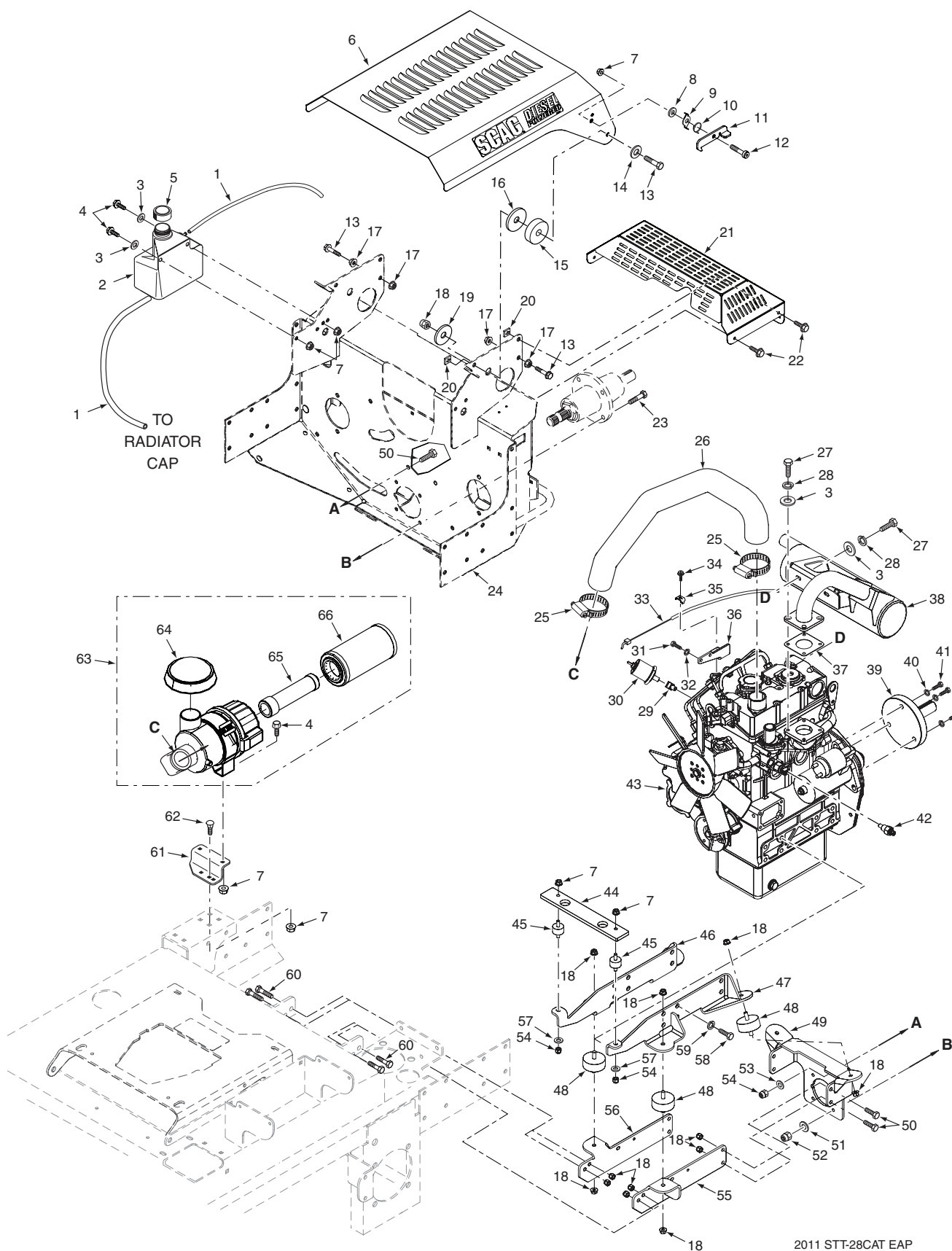


2011 STT-28CAT DDC

## DECK DRIVE COMPONENTS

| Ref. No. | Part No.  | Description                          | Ref. No. | Part No.  | Description                           |
|----------|-----------|--------------------------------------|----------|-----------|---------------------------------------|
| 1        | 04019-02  | Nut, Serrated Flange 1/4-20          | 46       | 482433    | Rod Assembly, Clutch Anti-Rotation    |
| 2        | 423925    | Belt Guard, Rear                     | 47       | 04001-11  | Bolt, Hex Head 5/16-18 x 1-1/2"       |
| 3        | 04003-07  | Bolt, Carriage 1/4-20 x 1/2"         | 48       | 04040-04  | Flatwasher, 5/16"                     |
| 4        | 04003-02  | Bolt, Carriage 1/4-20 x 3/4"         | 49       | 423465    | Bracket, Anchor, Anti-Rotation        |
| 5        | 481531    | Hinge, Belt Guard                    | 50       | 04001-10  | Bolt, Hex Head 5/16-18 x 1-1/4"       |
| 6        | 43772     | Stub Shaft                           | 51       | 04102-03  | Bolt, Hex Head 7/16-20 x 2-1/4"       |
| 7        | 04030-05  | Lockwasher, 7/16" Spring             | 52       | 04041-28  | Flatwasher, 7/16-.469 x 1.75 x .25    |
| 8        | 04002-26  | Bolt, Hex Head M10 x 1.5 x 35        | 53       | 04001-109 | Bolt, Hex Head 1/4-20 x 1-3/8"        |
| 9        | 04063-23  | Key, 1/4 x 1/4 x 3-1/4"              | 54       | 04030-02  | Lockwasher, 1/4" Spring               |
| 10       | 04019-04  | Nut, Serrated Flange 3/8-16          | 55       | 481536    | Tapered Hub, 1" Bore                  |
| 11       | 04021-09  | Nut, Elastic Stop 3/8-16             | 56       | 483430    | Spring, PTO                           |
| 12       | 04001-135 | Bolt, Hex Head 3/8-16 x 1-3/4" Grd 8 | 57       | 04001-171 | Bolt, Hex Head 3/8-16 x 4-1/2" Grd 8  |
| 13       | 43286     | Spacer                               | 58       | 461609    | Idler Arm Weldment, PTO Drive         |
| 14       | 481309    | Latch, Hood                          | 59       | 43632     | Pivot, Idler PTO                      |
| 15       | 04011-11  | Screw, #10-32 x .56                  | 60       | 04001-170 | Bolt, Hex Head 3/8-16 x 2-1/2" Grd 8  |
| 16       | 04019-06  | Nut, Serrated Flange 1/2-13          | 61       | 04063-06  | Key, 1/4 x 1/4 x 1-1/2"               |
| 17       | 04001-185 | Bolt, Hex Head 1/2-13 x 2" Grd 8     | 62       | 04001-176 | Bolt, Hex Head 5/16-18 x 1-3/4" Grd 8 |
| 18       | 04001-21  | Bolt, Hex Head 3/8-16 x 1-3/4"       | 63       | 461665    | Spindle Assembly, Deck Drive          |
| 19       | 04043-04  | Washer, 3/8" Hardened                | 64       | 481024    | Seal, 2.0 OD x 1.5 Bore               |
| 20       | 48224     | Ball Bearing                         | 65       | 43534     | Shaft, Deck Drive                     |
| 21       | 43631     | Spacer, Idler Bearing                | 66       | 48114-04  | Grease Fitting, 1/4-28                |
| 22       | 461608    | Idler Arm Weldment, Pump Drive       | 67       | 48677     | Relief Fitting                        |
| 23       | 482744    | Pulley, 5.75" O.D.                   | 68       | 43644     | Spindle Housing                       |
| 24       | 483735    | Belt, Pump Drive                     | 69       | 481022    | Roller Bearing Tapered                |
| 25       | 483732    | Pulley, 6.35 Dia. - 1.125 Bore       | 70       | 43296     | Spacer, Inside                        |
| 26       | 481884    | Tapered Hub, 17mm Bore               | 71       | 43312     | Spacer, Outside                       |
| 27       | 04001-172 | Bolt, Hex Head 1/4-20 x 1" Grd 8     | 72       | 481025    | Seal, 2.0 OD x 1.625 Bore             |
| 28       | 04063-27  | Key, 5 x 5 x 35 mm                   | 73       | 43297     | Spindle Bushing, Bottom               |
| 29       | 04021-05  | Nut, Center Lock 3/8-16              | 74       | 481035    | Nut, 1.06-18 Thread                   |
| 30       | 483214    | Pulley, Idler 4" Dia.                | 75       | 452005    | Pump Mounting Plate Weldment          |
| 31       | 04001-136 | Bolt, Hex Head 3/8-16 x 1-1/2" Grd 8 | 76       | 482438    | Driveshaft                            |
| 32       | 483088    | Spring, Transmission Idler           | 77       | 04063-20  | Key, 1/4 x 1/4 x 1"                   |
| 33       | 04001-19  | Bolt, Hex Head 3/8-16 x 1"           | 78       | 04012-08  | Set Screw, 3/8-16 x 3/4" Torx Socket  |
| 34       | 04041-07  | Flatwasher, 3/8-.391 x .938 x .105   | 79       | 425214    | Bracket, Idler Stop                   |
| 35       | 424764    | Bracket                              |          |           |                                       |
| 36       | 04019-03  | Nut, Serrated Flange 5/16-18         |          |           |                                       |
| 37       | 481284    | Bumper, Rubber                       |          |           |                                       |
| 38       | 424691    | Cover, Rear                          |          |           |                                       |
| 39       | 04003-12  | Bolt, Carriage 5/16-18 x 3/4"        |          |           |                                       |
| 40       | 481398    | Pulley, 6.35 Tapered Bore            |          |           |                                       |
| 41       | 481460    | Belt, Deck Drive                     |          |           |                                       |
| 42       | 48181     | Pulley, Idler 5" Dia.                |          |           |                                       |
| 43       | 462011    | Clutch, Ogura GT 3.5 - 1.125 Bore    |          |           |                                       |
| 44       | 04021-10  | Nut, Hex Elastic Stop 5/16-18        |          |           |                                       |
| 45       | 43587     | Spacer                               |          |           |                                       |

### ENGINE & ATTACHING PARTS - CAT DIESEL



2011 STT-28CAT EAP

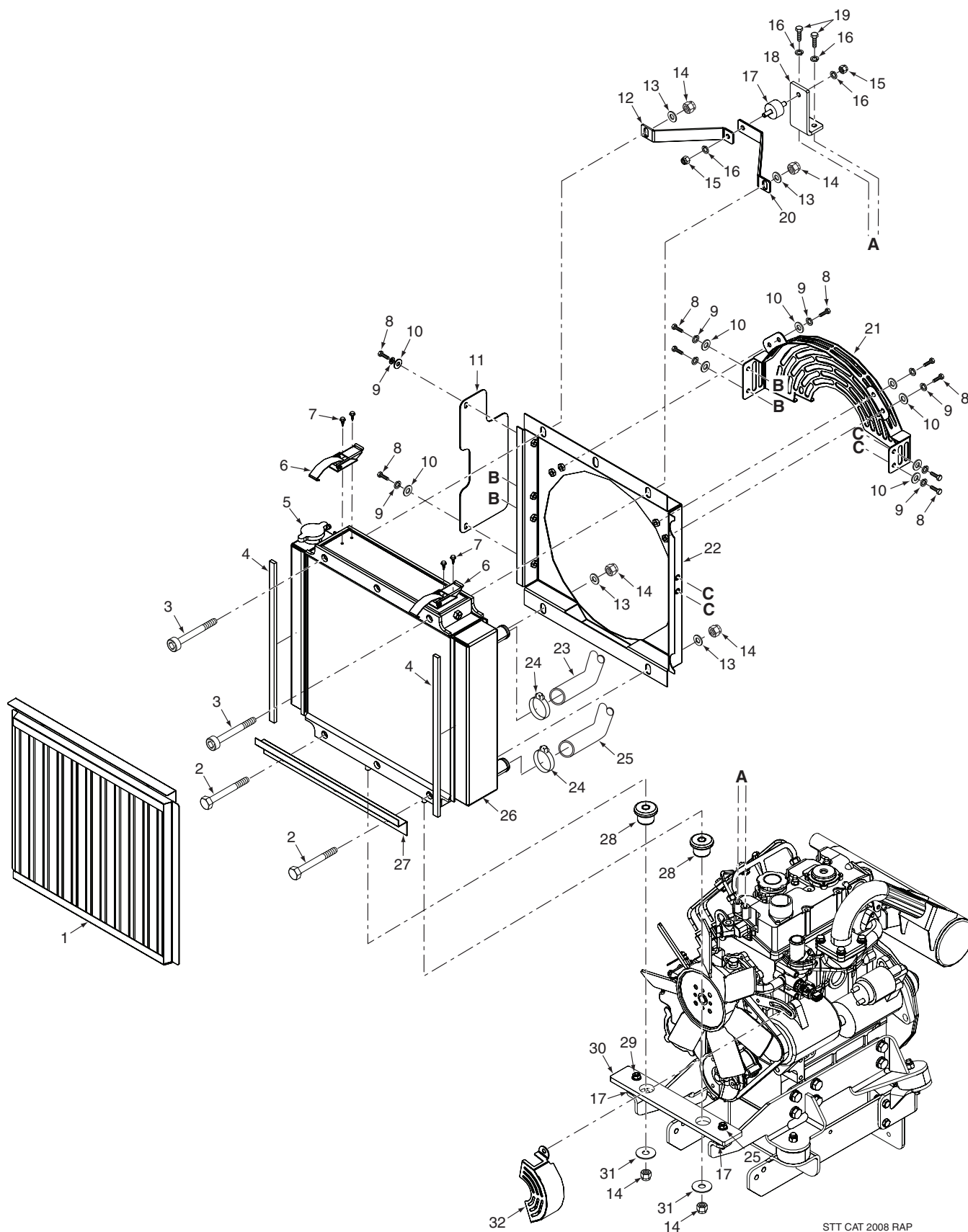


## ENGINE &amp; ATTACHING PARTS - CAT DIESEL

| Ref. No. | Part No.  | Description                                                        | Ref. No. | Part No. | Description                               |
|----------|-----------|--------------------------------------------------------------------|----------|----------|-------------------------------------------|
| 1        |           | ** Hose, Coolant Reservoir Bottle                                  | 46       | 424907   | Mounting Bracket Weldment RH              |
| 2        | 483739    | Coolant Reservoir Bottle (includes #5)                             | 47       | 424906   | Mounting Bracket Weldment LH              |
| 3        | 04040-04  | Flatwasher, SAE 5/16-.344 x .688 x .065                            | 48       | 483351   | Mount, Engine Isolation                   |
| 4        | 04017-16  | Bolt, Hex Head Serr. Flng 5/16-18 x 3/4"                           | 49       | 424452   | Plate, Rear Engine Mount                  |
| 5        |           | ** Cap, Coolant Reservoir Bottle                                   | 50       | 04001-19 | Bolt, Hex Head 3/8-16 x 1"                |
| 6        | 462116    | Hood Assembly w/Decals (incl. 8, 9, 10, 11, 12, and 13)            | 51       | 04040-15 | Flatwasher, 5/16" (.375 x .875 x .083)    |
| 7        | 04019-03  | Nut, Serrated Flange 5/16-18                                       | 52       | 04021-22 | Nut, Elastic Stop 5/16-18 Grade 8         |
| 8        | 04040-05  | Flatwasher, 3/8-.406 x .812 x .065                                 | 53       | 04030-04 | Lockwasher, 3/8" Spring                   |
| 9        | 424634    | Lock, Hood Latch                                                   | 54       | 04021-09 | Nut, Elastic Stop 3/8-16                  |
| 10       | 483507    | Spring, Hood Latch                                                 | 55       | 424449   | Plate, Engine Mount LH                    |
| 11       | 424633    | Latch, Hood                                                        | 56       | 424448   | Plate, Engine Mount RH                    |
| 12       | 04009-07  | Bolt, Shoulder 5/16-18 x 1/2"                                      | 57       | 04041-11 | Flatwasher, 3/8" (.406 x 1.50 x 7 ga)     |
| 13       | 04001-21  | Bolt, Hex Head 3/8-16 x 1-3/4"                                     | 58       | 04002-24 | Bolt, Hex Head M12-1.25 X 25mm            |
| 14       | 04041-07  | Flatwasher, 3/8-.391 x .938 x .105                                 | 59       | 04030-06 | Lockwasher, 1/2" Spring                   |
| 15       | 43740     | Spacer, Hood                                                       | 60       | 04001-19 | Bolt, Hex Head 3/8-16 x 1"                |
| 16       | 483471    | Disc, Anti Friction                                                | 61       | 424497   | Bracket, Air Cleaner Mount                |
| 17       | 04019-04  | Nut, Serrated Flange 3/8-16                                        | 62       | 04003-12 | Bolt, Carriage 5/16-18 x 3/4"             |
| 18       | 04021-09  | Nut, Elastic Stop 3/8-16                                           | 63       | 483485   | Air Filter Assembly (Enginaire p/n 68665) |
| 19       | 04041-11  | Flatwasher, 3/8-.406 x 1.50 x 7 Gauge                              | 64       | 483635   | Rain Cap (Enginaire p/n 68381)            |
| 20       | 04110-01  | U-Nut, 1/4"-20                                                     | 65       | 483636   | Air Filter, Inner (Enginaire p/n 68300)   |
| 21       | 424910    | Muffler Guard                                                      | 66       | 483637   | Air Filter, Outer (Enginaire p/n 68340)   |
| 22       | 04017-05  | Bolt, Hex Head Serrated Flange, 1/4-20 x 3/4"                      |          |          |                                           |
| 23       | 04001-176 | Bolt, Hex Head 5/16-18 x 1-3/4" Grd 8                              |          |          |                                           |
| 24       | 452005    | Pump Mounting Plate Weldment                                       |          |          |                                           |
| 25       | 48136-09  | Clamp, 2-1/4" Max. Dia.                                            |          |          |                                           |
| 26       | 483713    | Hose, Air Intake                                                   |          |          |                                           |
| 27       | 04002-12  | Bolt, Hex Head M8-1.25 x 20                                        |          |          |                                           |
| 28       | 04030-03  | Lockwasher, 5/16" Spring                                           |          |          |                                           |
| 29       | 483433    | Elbow, 45 Degree                                                   |          |          |                                           |
| 30       | 481811    | Oil Pressure Sender                                                |          |          |                                           |
| 31       | 04002-21  | Bolt, Hex Head M6-1.0 x 16                                         |          |          |                                           |
| 32       | 04030-02  | Lockwasher, 1/4" Spring                                            |          |          |                                           |
| 33       | 483746    | Throttle Cable                                                     |          |          |                                           |
| 34       | 04011-06  | Screw, Self Tapping                                                |          |          |                                           |
| 35       | 424580    | Clamp                                                              |          |          |                                           |
| 36       | 424921    | Mounting Bracket, Throttle Cable                                   |          |          |                                           |
| 37       |           | ** Gasket, Muffler                                                 |          |          |                                           |
| 38       | 483841    | Muffler, Cat Diesel                                                |          |          |                                           |
| 39       | 43772     | Stub Shaft, (Cat)                                                  |          |          |                                           |
| 40       | 04030-05  | Lockwasher, 7/16" Spring                                           |          |          |                                           |
| 41       | 04002-26  | Bolt, Hex Head M10 x 1.5 x 35                                      |          |          |                                           |
| 42       | 483360    | Temperature Sensor, Engine Coolant                                 |          |          |                                           |
| 43       |           | ** Engine, Cat Diesel 28HP<br>(Available only through Cat Dealers) |          |          |                                           |
| 44       | 424924    | Mount, Radiator                                                    |          |          |                                           |
| 45       | 483756    | Mount, Radiator Isolation                                          |          |          |                                           |

\*\* Available through the individual engine manufacturer.

### RADIATOR & ATTACHING PARTS - CAT DIESEL



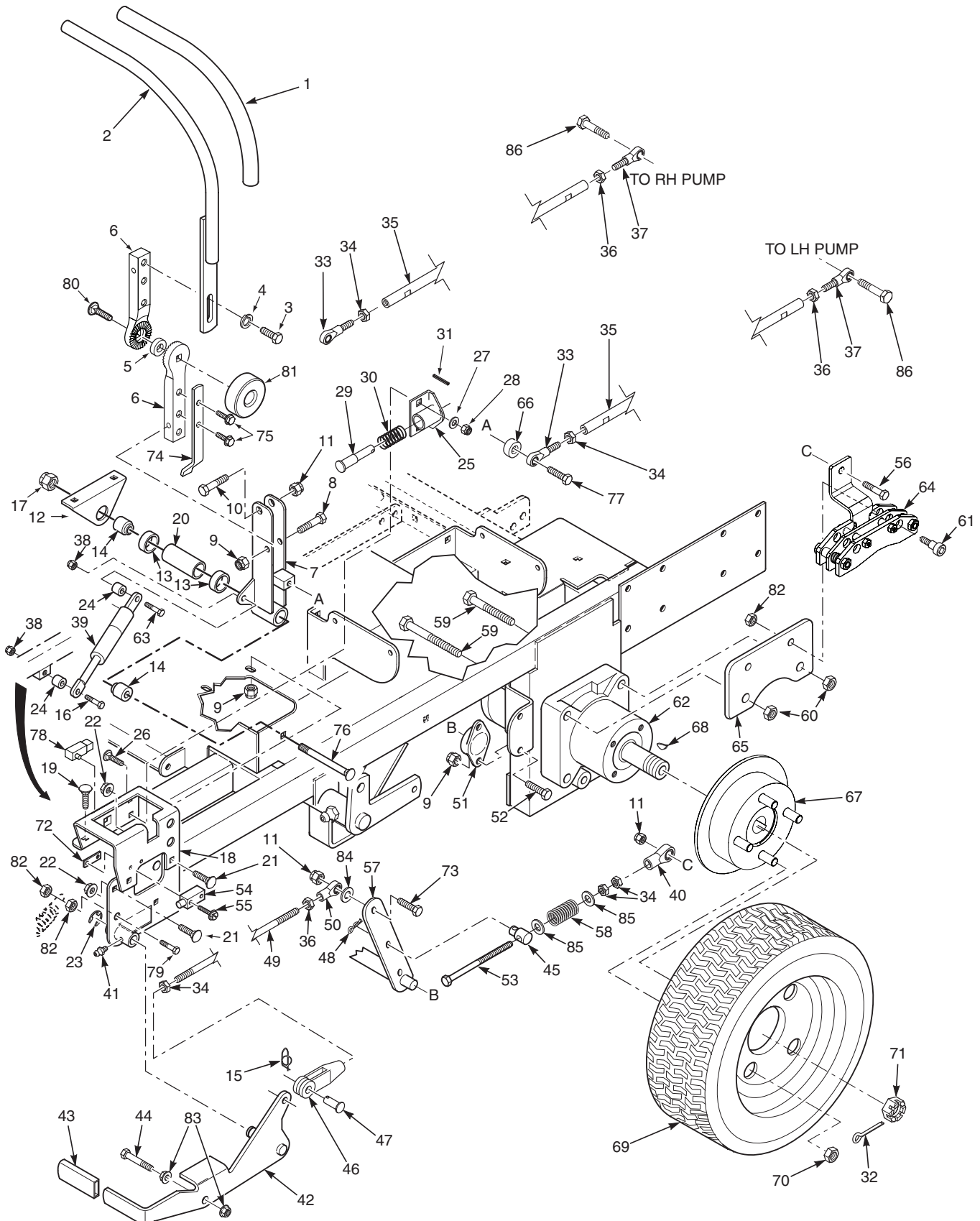
STT CAT 2008 RAP

## RADIATOR &amp; ATTACHING PARTS - CAT DIESEL

| Ref. No. | Part No. | Description                           |
|----------|----------|---------------------------------------|
| 1        | 452006   | Debris Screen Weldment                |
| 2        | 04001-23 | Bolt, Hex Head 3/8-16 x 4-1/2"        |
| 3        | 04015-19 | Bolt, Socket Head 3/8-16 x 4-1/2"     |
| 4        | 483745   | Foam, Seal, 1/2" x 1/4" x 14-1/2"     |
| 5        |          | ** Radiator Cap                       |
| 6        | 481309   | Latch, Hood                           |
| 7        | 04011-11 | Screw, #10-32 x .56                   |
| 8        | 04001-06 | Bolt, Hex Head 1/4-20 x .63"          |
| 9        | 04030-02 | Lockwasher, 1/4" Spring               |
| 10       | 04040-14 | Flatwasher, 1/4" (.312 x .750 x .065) |
| 11       | 424944   | Heatshield                            |
| 12       | 424945   | Bracket, Radiator Mount (RH)          |
| 13       | 04041-07 | Flatwasher, 3/8" (.391 x .938 x .105) |
| 14       | 04021-09 | Nut, Elastic Stop 3/8-16              |
| 15       | 04020-03 | Nut, 5/16-18                          |
| 16       | 04030-03 | Lockwasher, 5/16"                     |
| 17       | 483756   | Mount, Radiator Isolation             |
| 18       | 424947   | Bracket, Radiator Mount to Engine     |
| 19       | 04002-03 | Bolt, Hex Head M8 x 1.25 x 25         |
| 20       | 424946   | Bracket, Radiator Mount (LH)          |
| 21       | 452042   | Guard, Fan                            |
| 22       | 452008   | Shroud Weldment, Radiator             |
| 23       | 483764   | Hose, Upper Radiator                  |
| 24       | 48136-14 | Clamp, Hose, 1-3/4"                   |
| 25       | 483765   | Hose, Lower Radiator                  |
| 26       | 483750   | Radiator                              |
| 27       | 424933   | Support, Debris Screen                |
| 28       | 483755   | Mount, Radiator Isolation             |
| 29       | 04019-03 | Nut, Hex Serrated Flange 5/16-18      |
| 30       | 424924   | Mount, Radiator                       |
| 31       | 04041-11 | Flatwasher, 3/8" (.406 x 1.50 x 7 ga) |
| 32       | 452001   | Guard, Belt                           |
|          | 483767   | Alternator Belt (not shown)           |
|          | 483809   | Alternator (not shown)                |

\*\* Available through the individual engine manufacturer.

### BRAKE AND STEERING COMPONENTS

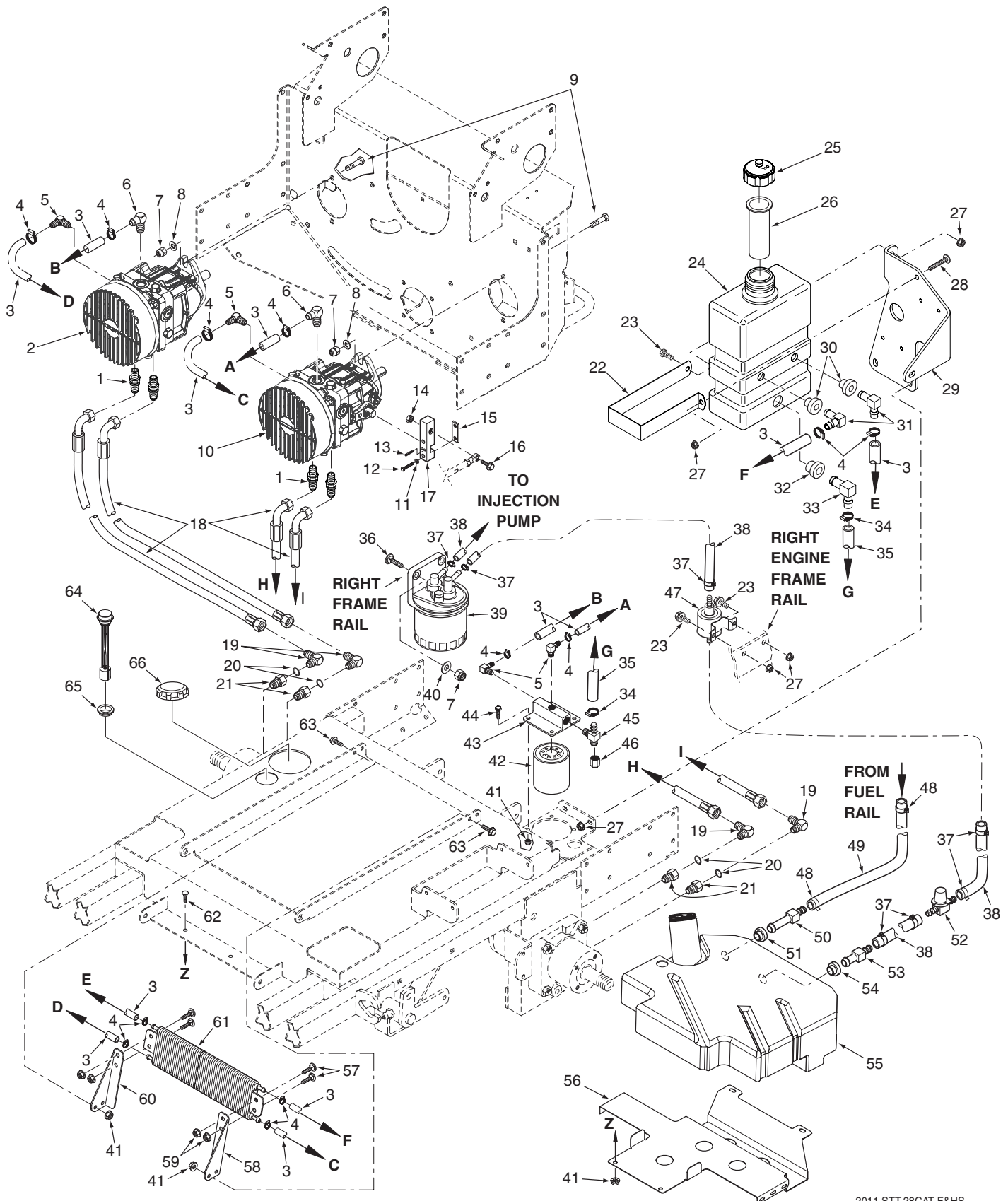


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## BRAKE AND STEERING COMPONENTS

| Ref. No. | Part No. | Description                           | Ref. No. | Part No.  | Description                                  |
|----------|----------|---------------------------------------|----------|-----------|----------------------------------------------|
| 1        | 482340   | Grip, Handle Bar                      | 46       | 48343-04  | Clevis, Traction Control                     |
| 2        | 461914   | Handle Bar, LH (Includes item 1)      | 47       | 04064-02  | Pin, Clevis                                  |
|          | 461923   | Handle Bar, RH (Includes item 1)      | 48       | 04062-01  | Hair Pin Cotter                              |
| 3        | 04001-09 | Bolt, Hex Head 5/16-18 x 1"           | 49       | 04004-49  | Rod, Parking Brake                           |
| 4        | 04030-03 | Lockwasher, 5/16"                     | 50       | 48544     | Rod End, LH Thread                           |
| 5        | 483250   | Rubber Spacer                         | 51       | 482061    | Bushing, Self Align                          |
| 6        | 483238   | Bar, Control Lever                    | 52       | 04001-08  | Bolt, Hex Head 5/16-18 x 3/4"                |
| 7        | 451483   | Control Lever Weldment, LH            | 53       | 04001-192 | Bolt, Hex Hd 3/8-24 x 5-1/2"                 |
|          | 451484   | Control Lever Weldment, RH            | 54       | 481637    | Switch, Parking Brake                        |
| 8        | 04001-17 | Bolt, Hex Head 5/16-18 x 2"           | 55       | 04010-12  | Screw, Hex Slotted Washer Head #10 32 x 3/4" |
| 9        | 04021-10 | Nut, Hex Elastic Stop 5/16-18         |          |           |                                              |
| 10       | 04001-45 | Bolt, Hex Head 3/8-16 x 2"            | 56       | 04001-32  | Bolt, Hex Head 3/8-16 x 1-1/4"               |
| 11       | 04021-09 | Nut, Hex Elastic Stop 3/8-16          | 57       | 45953     | Bellcrank, Brake Actuator                    |
| 12       | 423488   | Mount, Control Linkage                | 58       | 483737    | Spring                                       |
| 13       | 48224    | Ball Bearings, Neutral Return         | 59       | 04001-190 | Bolt, Hex Hd 1/2-13 x 2-3/4" (upper)         |
| 14       | 43607    | Spacer                                |          | 04001-52  | Bolt, Hex Hd 1/2-13 x 2-1/2" (lower)         |
| 15       | 04069-01 | Pin, Rue Cotter 3/8 Dia.              | 60       | 04021-19  | Locknut, Hex 1/2-13 Center Lock              |
| 16       | 04001-13 | Bolt, Hex Head, 5/16-18 x 2.75 Zinc   | 61       | 04009-10  | Bolt, Shoulder 1/2 x 3/8-16 x 2-3/4"         |
| 17       | 04021-13 | Nut, Hex Elastic Stop 5/8-11          | 62       | 484108    | Wheel Motor, Parker                          |
| 18       | 461601   | Bracket, Control Lever LH             | 63       | 04001-12  | Bolt, Hex Head, 5/16-18 x 1.75, Zinc         |
|          | 461602   | Bracket, Control Lever RH             | 64       | 483701    | Brake Caliper                                |
| 19       | 04003-04 | Bolt, Carriage 5/16-18 x 1"           | 65       | 424894    | Mounting Bracket, Brake                      |
| 20       | 43600    | Spacer, Bearing                       | 66       | 43063     | Spacer                                       |
| 21       | 04003-12 | Bolt, Carriage 5/16-18 x 3/4"         | 67       | 462104    | Wheel Hub/Disk Brake Assembly                |
| 22       | 04019-03 | Nut, Hex Serrated Flange 5/16-18      | 68       | 04063-25  | Key, Woodruff 5/16 x 1"                      |
| 23       | 04050-01 | Ring, Retaining 5/8" External "E"     | 69       | 481850    | Wheel Assembly 24 x 12-12 Turf Master        |
| 24       | 43602    | Spacer                                |          | 481851    | Rim W/Valve Stem                             |
| 25       | 45918    | Bracket, Neutral Return               |          | 481852    | Tire, 24 x 12-12 Turf Master                 |
| 26       | 04003-02 | Bolt, Carriage 1/4-20 x 3/4"          | 70       | 04028-02  | Lug Nut, 1/2-20                              |
| 27       | 04040-14 | Flatwasher, 1/4" (.312 x .750 x .065) | 71       | 48680     | Nut, Hex Castle                              |
| 28       | 04021-08 | Nut, Hex Elastic Stop 1/4-20          | 72       | 422373    | Threaded Plate                               |
| 29       | 43477    | Pin, Retaining Spring                 | 73       | 04001-20  | Bolt, Hex Head 3/8-16 x 1-1/2"               |
| 30       | 481389   | Spring                                | 74       | 423491    | Actuator, Switch                             |
| 31       | 04060-01 | Roll Pin, Spring 5/32 x 3/4"          | 75       | 04017-16  | Bolt, Hex Serrtd Flng 5/16-18 x 3/4"         |
| 32       | 04061-06 | Pin, Cotter 9/16 x 1-1/2"             | 76       | 04001-79  | Bolt, Hex Head 5/8-11 x 4-1/2"               |
| 33       | 482586   | Rod End, Male 3/8-24 RH Thread        | 77       | 04001-32  | Bolt, Hex Head 3/8-16 x 1-1/4"               |
| 34       | 04020-25 | Nut, 3/8-24 RH Thread                 | 78       | 481638    | Switch, Handle Neutral                       |
| 35       | 483680   | Tube, Control Link                    | 79       | 04001-168 | Bolt, Hex Head 3/8-16 x 1-1/4" Grd 8         |
| 36       | 04020-26 | Nut, Hex 3/8-24 LH Thread             | 80       | 04003-05  | Bolt, Carriage 3/8-16 x 1-1/2"               |
| 37       | 482585   | Rod End, Male 3/8-24 LH Thread        | 81       | 483269    | Knob                                         |
| 38       | 04021-05 | Locknut, 5/16-18, Elastic Stop        | 82       | 04021-05  | Nut, Center Lock 3/8-16                      |
| 39       | 484151   | Gas Damper                            | 83       | 04019-04  | Nut, Serrated Flange 3/8-16                  |
| 40       | 482330   | Rod End, 3/8-24 RH Female             | 84       | 04041-07  | Flatwasher, 3/8-.391 x .938 x .105           |
| 41       | 48114-04 | Grease Fitting                        | 85       | 04040-05  | Flatwasher, 3/8-.406 x .812 x .065           |
| 42       | 461082   | Lever, Parking Brake (Inc. item 43)   | 86       | 04001-21  | Bolt, Hex Head, 3/8-16 x 1-3/4"              |
| 43       | 481548   | Grip, Parking Brake                   |          |           |                                              |
| 44       | 04001-22 | Bolt, Hex Head 3/8-16 x 2-3/4"        |          |           |                                              |
| 45       | 43773    | Swivel Joint                          |          |           |                                              |

### FUEL AND HYDRAULIC SYSTEM - CAT DIESEL





## FUEL AND HYDRAULIC SYSTEM - CAT DIESEL

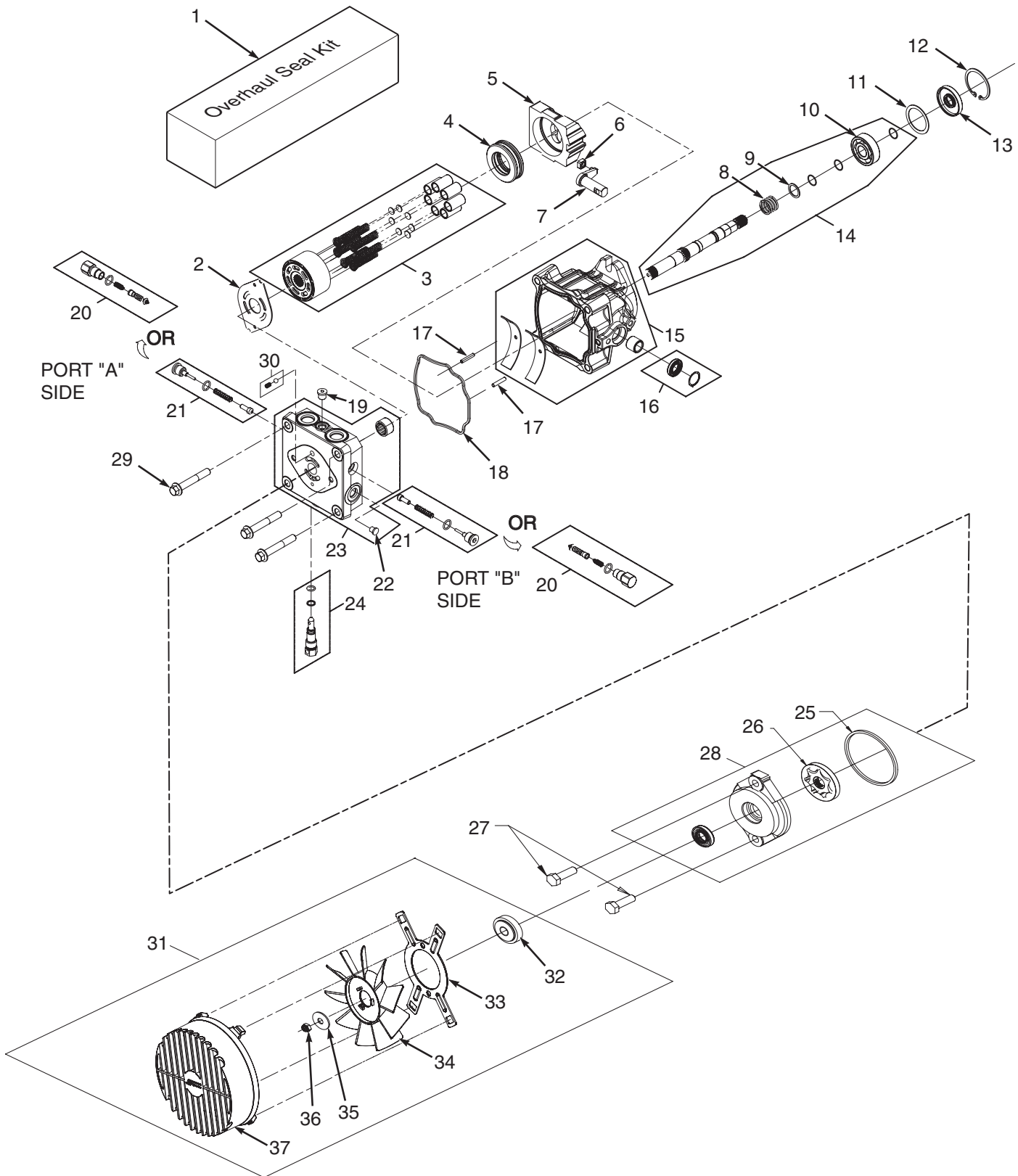
| Ref. No. | Part No.  | Description                                                  | Ref. No. | Part No. | Description                                             |
|----------|-----------|--------------------------------------------------------------|----------|----------|---------------------------------------------------------|
| 1        | 48572-06  | Union, 3/4"-16 JIC x O-Ring                                  | 41       | 04019-03 | Nut, Serrated Flange 5/16-18                            |
| 2        | 483100    | Pump, Right Hand, BDP 16A                                    | 42       | 48758    | Oil Filter                                              |
| 3        | 48811     | *** Hose, 3/8" ID Pushlock                                   | 43       | 482417   | Oil Filter Base                                         |
| 4        | 48136-13  | Hose Clamp, 0.69 dia.                                        | 44       | 04001-09 | Bolt, Hex Head 5/16-18 x 1.0" Zinc                      |
| 5        | 482266-01 | Elbow, 90 Deg - 9/16 O-Ring x 3/8" Hose                      | 45       | 482477   | Tee, 3/4 O-Ring x JIC x 1/2" Hose                       |
| 6        | 482266-02 | Elbow, 90 Deg - 3/4 O-Ring x 3/8" Hose                       | 46       | 48571-02 | Cap                                                     |
| 7        | 04021-09  | Nut, Hex Elastic Stop 3/8-16                                 | 47       | 483768   | Fuel Pump, Cat                                          |
| 8        | 04043-04  | Flatwasher, 3/8" (.391 x .938 x .105)<br>Grade 8             | 48       | 48059-03 | Clamp, 3/16" ID                                         |
| 9        | 04001-20  | Bolt, Hex Head 3/8-16 x 1.5"                                 | 49       | 481179   | *** Hose, 3/16" Fuel Line                               |
| 10       | 483101    | Pump, Left Hand, BDP-16A                                     | 50       | 481778   | Hose Fitting                                            |
| 11       | 04030-02  | Lockwasher, 1/4" Spring                                      | 51       | 482571   | Bushing                                                 |
| 12       | 04001-04  | Bolt, Hex Head, 1/4-20 x 1-1/2"                              | 52       | 481308   | Valve, Fuel Shutoff                                     |
| 13       | 04060-09  | Roll Pin, Spring 3/16 x 3/4"                                 | 53       | 483749   | Fitting, Hose with Screen                               |
| 14       | 04021-05  | Nut, Center Lock 3/8-16                                      | 54       | 482571   | Bushing                                                 |
| 15       | 422694    | Clamp Plate, Pump Control                                    | 55       | 462305   | Fuel Tank Assembly (incl. items 50, 51,<br>53, 54 & 64) |
| 16       | 04001-21  | Bolt, Hex Head, 3/8-16 x 1-3/4"                              | 56       | 424914   | Support Bracket, Fuel Tank                              |
| 17       | 481793    | Block, Pump Control                                          | 57       | 04003-07 | Bolt, Carraige 1/4-20 x 3/4"                            |
| 18       | 483805    | Hose Assembly, Pump                                          | 58       | 424884   | Mounting Bracket - LH, Oil Cooler                       |
| 19       | 48350-01  | Elbow, 90 Degree, 7/8-14 THD                                 | 59       | 04019-02 | Nut, Serrated Flange 1/4-20                             |
| 20       | 48603-02  | O-Ring                                                       | 60       | 424885   | Mounting Bracket - RH, Oil Cooler                       |
| 21       | 48938-02  | Bushing, 7/8-14 JIC x 3/4-16 O-Ring                          | 61       | 482505   | Oil Cooler                                              |
| 22       | 423513    | Strap, Hydraulic Tank                                        | 62       | 04003-12 | Bolt, Carraige 5/16-18 x 3/4"                           |
| 23       | 04001-01  | Bolt, Hex Head 1/4-20 x 3/4"                                 | 63       | 04017-16 | Bolt, Hex Head 5/16-18 x 3/4"                           |
| 24       | 461451    | Oil Reservoir Assembly (includes 26, 30,<br>31, 32, 33)      | 64       | 484251   | Fuel Gauge Assy. (incl. item 65)                        |
| 25       | 481164    | Cap, Hydraulic Tank                                          | 65       | 484242   | Seal, Fuel Gauge                                        |
| 26       | 481507    | Insert, Filler Neck                                          | 66       | 484294   | Cap, Fuel Tank                                          |
| 27       | 04021-08  | Nut, Hex Elastic Stop 1/4-20                                 |          |          |                                                         |
| 28       | 04010-10  | Screw, Phillips Head, 1/4-20                                 |          |          |                                                         |
| 29       | 424942    | Support Bracket, Hydraulic Tank                              |          |          |                                                         |
| 30       | 482571    | Bushing, .56 Dia. Viton                                      |          |          |                                                         |
| 31       | 482572    | Elbow, 90 Degree .38 Hose                                    |          |          |                                                         |
| 32       | 482573    | Bushing, .78 Dia. Viton                                      |          |          |                                                         |
| 33       | 482574    | Elbow, 90 Degree                                             |          |          |                                                         |
| 34       | 48136-05  | Clamp, Hose                                                  |          |          |                                                         |
| 35       | 48351     | *** Hose Assembly, 1/2" ID<br>(Oil Reservoir to Filter Base) |          |          |                                                         |
| 36       | 04003-22  | Bolt, Carraige 3/8-16 x 1"                                   |          |          |                                                         |
| 37       | 48059-04  | Clamp, Fuel Hose 5/16" ID                                    |          |          |                                                         |
| 38       | * 483620  | *** Fuel Hose, 5/16" ID. Non-Perm                            |          |          |                                                         |
| 39       |           | ** Fuel Filter                                               |          |          |                                                         |
| 40       | 04041-07  | Flatwasher, 3/8" (.391 x .938 x .105)                        |          |          |                                                         |

\* High Pressure Fuel Line. MUST only be replaced with the part number listed.

\*\* Available through the individual engine manufacturer.

\*\*\* Order by the inch.

### BDP-16A HYDRAULIC PUMP ASSEMBLY with Cooling Fan

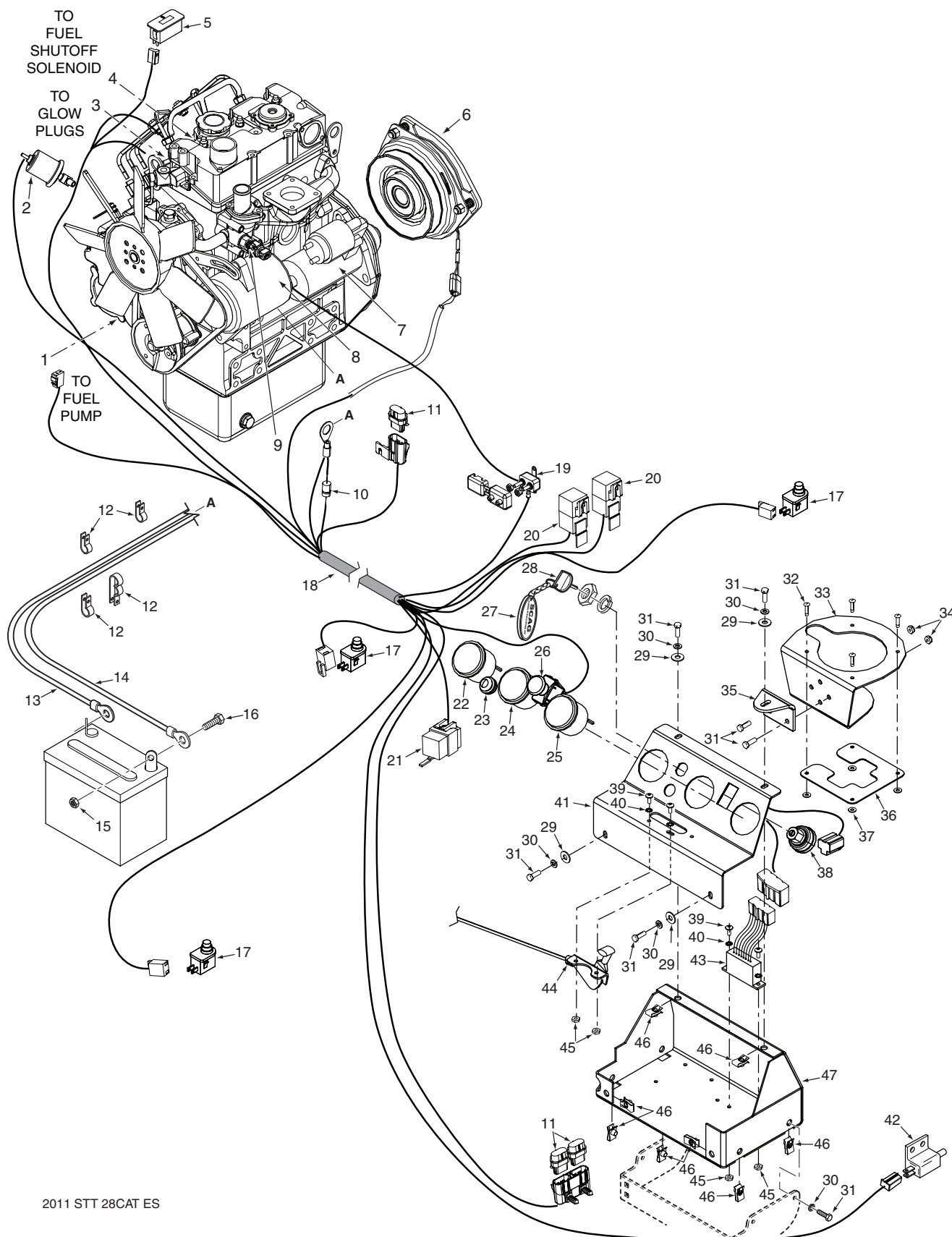




## BDP-16A HYDRAULIC PUMP ASSEMBLY with Cooling Fan

| Ref. No. | Part No.       | Description                               |
|----------|----------------|-------------------------------------------|
| 1        | HG70740        | Overhaul Seal Kit                         |
| 2        | HG51455        | Valve Plate                               |
| 3        | HG70735        | Cylinder Block Kit - 16cc                 |
| 4        | HG51462        | Thrust Ball Bearing Assembly              |
| 5        | HG51436        | Variable Swashplate                       |
| 6        | HG2000015      | Slot Guide                                |
| 7        | HG2000014      | Trunnion Arm                              |
| 8        | HG2000025      | Block Spring                              |
| 9        | HG2000024      | Block Thrust Washer                       |
| 10       | HG2000032      | Shaft Ball Bearing                        |
| 11       | HG2000023      | Spacer                                    |
| 12       | HG2000038      | Retaining Ring                            |
| 13       | HG51092        | Seal                                      |
| 14       | HG70578        | Kit, Pump Shaft (keyed thru taper)        |
| 15       | HG70738        | Housing Kit                               |
| 16       | HG70739        | Trunnion Seal Kit                         |
| 17       | HG50641        | Pin                                       |
| 18       | HG51437        | O-Ring                                    |
| 19       | HG9005110-7500 | Straight Thread Plug                      |
| 20       | HG70743        | Shock Valve Kit (.031 Orifice)            |
| 21       | HG70742        | Shock Valve Kit (.024 Orifice)            |
| 22       | HG9005200-7500 | Straight Thread Plug                      |
| 23       | HG70736        | End Cap Kit                               |
| 24       | HG2513030      | Bypass Valve Kit                          |
| 25       | HG9004100-1430 | O-Ring                                    |
| 26       | HG50406        | Gerotor Assembly (.19 cu.in./rev.)        |
| 27       | HG50173        | Socket Head Cap Screw (M8 x 1.25-25mm)    |
| 28       | HG70924        | Charge Pump Kit (.19 STD. Splined)        |
| 29       | HG51457        | Hex Screw, Flanged Head (M10 x 1.50-65mm) |
| 30       | HG70402        | Charge Relief Kit                         |
| 31       | HG71287        | Fan Kit (incl. items 32, 34, 35, 36)      |
| 32       | HG51348        | Hub                                       |
| 33       | HG52016        | Bracket, Shroud                           |
| 34       | HG52014        | Fan                                       |
| 35       | HG52256        | Washer                                    |
| 36       | HG44809        | Nut                                       |
| 37       | HG52059        | Shroud                                    |

### ELECTRICAL SYSTEM - CAT DIESEL



## ELECTRICAL SYSTEM - CAT DIESEL

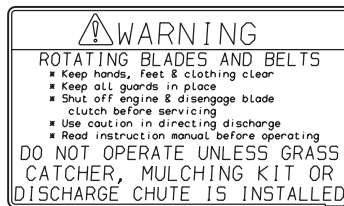
| Ref. No. | Part No.  | Description                                              |
|----------|-----------|----------------------------------------------------------|
| 1        |           | ** Fuel Pump                                             |
| 2        | 481811    | Oil Pressure Sender                                      |
| 3        |           | ** Glow Plugs                                            |
| 4        |           | ** Fuel Shutoff Solenoid                                 |
| 5        | 483537    | Hourmeter                                                |
| 6        | 462011    | Clutch, Ogura GT 3.5 - 1.125 Bore                        |
| 7        |           | ** Starting Motor                                        |
| 8        | 483809    | Alternator                                               |
|          | 483767    | Alternator Belt (not shown)                              |
| 9        | 483360    | Sending Unit, Water Temp.                                |
| 10       | 482253    | Diode                                                    |
| 11       | 48298     | Fuse, 20 AMP                                             |
| 12       | 48030-09  | Clamp, Cable 1/2" ID.                                    |
|          | 48030-10  | Clamp, Cable 3/4" ID.                                    |
|          | 48030-11  | Clamp, Double Cable 5/8" ID.                             |
| 13       | 481176-10 | Cable, Battery - Red                                     |
| 14       | 481176-11 | Cable, Battery - Black                                   |
| 15       | 04020-02  | Nut, Hex 1/4-20                                          |
| 16       | 04001-44  | Bolt, Hex Head 1/4-20 x .5"                              |
|          |           | Battery, (Not Available Through Scag)                    |
| 17       | 481638    | Switch, Interlock, Normally Open                         |
| 18       | 483759    | Main Wire Harness, STT Cat                               |
| 19       | 482784    | Circuit Breaker, 50 AMP                                  |
|          | 482785    | Cover, Circuit Breaker                                   |
| 20       | 481826    | Relay, 12V 40 AMP Hi Capacity                            |
| 21       | 483013    | Relay, 12V 40 AMP Standard                               |
| 22       | 481184    | Volt Meter (Includes Mounting Hardware)                  |
| 23       | 481182    | Indicator Light, Glow Plugs (Includes Mounting Hardware) |
| 24       | 481805    | Engine Oil Pressure Gauge (Includes Mounting Hardware)   |
| 25       | 481183    | Water Temperature Gauge (Includes Mounting Hardware)     |
| 26       | 483957    | Switch, PTO                                              |
| 27       | 462138    | Key Assembly w/Fob                                       |
| 28       | 483771    | Key, Ignition                                            |
| 29       | 04040-14  | Flat Washer, 1/4"                                        |
| 30       | 04030-02  | Lockwasher, 1/4"                                         |
| 31       | 04001-01  | Bolt, Hex Head 1/4-20 x 3/4"                             |
| 32       | 04090-02  | Pop Rivet, 3/16" x 5/8"                                  |
| 33       | 9240      | Cupholder                                                |
| 34       | 04021-08  | Nut, Elastic Stop 1/4"-20                                |
| 35       | 423674    | Bracket, Cupholder Mounting                              |
| 36       | 482544    | Retainer, Cupholder                                      |
| 37       | 04041-19  | Flatwasher, 0.196 ID.                                    |
| 38       | 483758    | Key Switch (Includes Mounting Hardware)                  |
| 39       | 04010-01  | Screw, Phillips Washer Head #10-32 x 1/2"                |
| 40       | 04031-01  | Lockwasher, #10 External Tooth                           |
| 41       | 462146    | Instrument Panel, Top w/Decals                           |
| 42       | 481637    | Switch, Interlock, Park Brake Normally Open              |
| 43       | 484054    | Electronic Control Module                                |
| 44       | 483746    | Throttle Control                                         |
| 45       | 04020-01  | Nut, Hex #10-32                                          |
| 46       | 04110-01  | U-Nut, 1/4-20                                            |
| 47       | 451879    | Base, Instrument Panel                                   |

\*\* Available through the individual engine manufacturer.

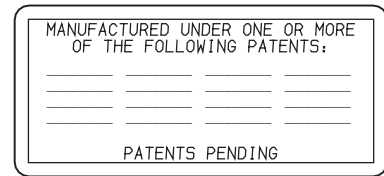
### REPLACEMENT DECALS AND INFORMATION PLATES



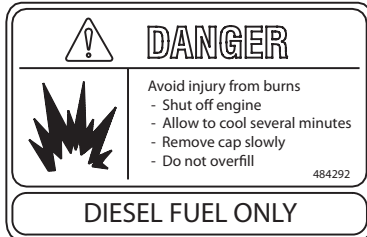
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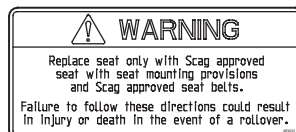
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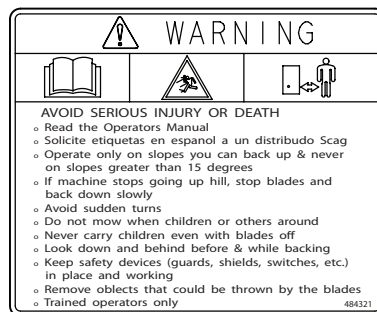
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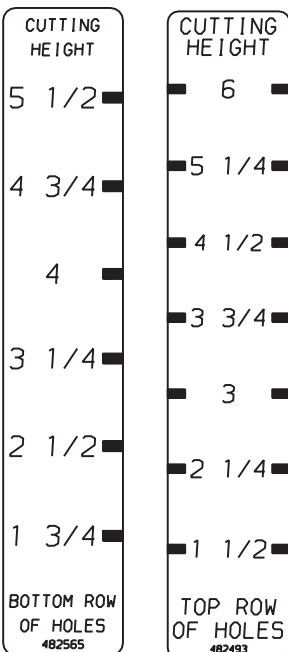
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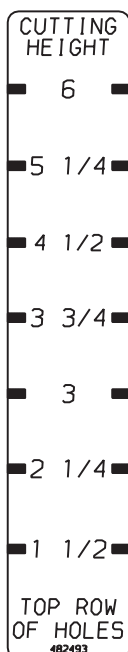
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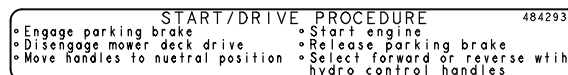
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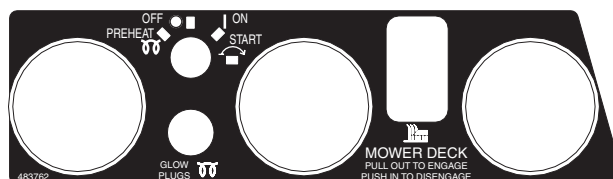
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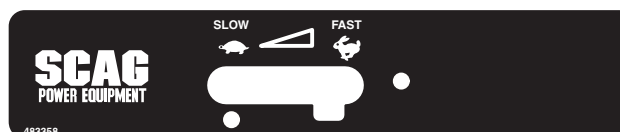
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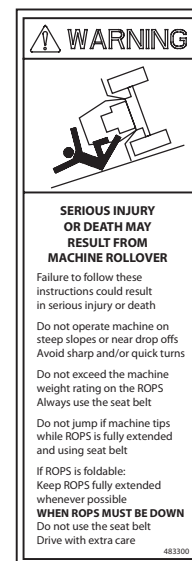
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## REPLACEMENT DECALS AND INFORMATION PLATES

| Ref. No. | Part No. | Description                           | Ref. No. | Part No. | Description                   |
|----------|----------|---------------------------------------|----------|----------|-------------------------------|
| 1        | 483407   | Decal, Danger-Spinning Blades         | 21       | 483229   | Decal, Turf Tiger             |
| 2        | 483406   | Decal, Warning-Rotating Blades        | 22       | 483727   | Decal, Scag Logo              |
| 3        | 483044   | Decal, Patents                        | 23       | 48404    | Decal, Metalcraft-Made In USA |
| 4        | 484292   | Decal, Fuel Tank                      | 24       | 483509   | Decal, Scag Diesel Powered    |
| 5        | 483201   | Decal, 61" Velocity Plus              | 25       | 481664   | Decal, Stripes-RH             |
|          | 483693   | Decal, 72" Velocity Plus              | 26       | 481663   | Decal, Stripes-LH             |
| 6        | 481568   | Decal, Traction Control               | **       | 461982   | Spanish Decal Kit, STT        |
| 7        | 483633   | Decal, Seat Replacement               |          |          |                               |
| 8        | 481971   | Decal, Heavy Duty Commercial          |          |          |                               |
| 9        | 483402   | Decal, Belt Cover                     |          |          |                               |
| 10       | 484321   | Decal, Warning                        |          |          |                               |
| 11       | 483425   | Decal, ROPS                           |          |          |                               |
| 12       | 482565   | Decal, Cutting Height - Lower         |          |          |                               |
| 13       | 482493   | Decal, Cutting Height - Upper         |          |          |                               |
| 14       | 484293   | Decal, Start/Drive Procedure          |          |          |                               |
| 15       | 483762   | Decal, Instrument Panel - Upper (CAT) |          |          |                               |
| 16       | 483358   | Decal, Instrument Panel - Lower (CAT) |          |          |                               |
| 17       | 483300   | Decal, ROPS Warning                   |          |          |                               |
| 18       | 484320   | Decal, Checks and Adjustments         |          |          |                               |
| 19       | 482577   | Decal, Turf Tiger                     |          |          |                               |
| 20       | 483405   | Decal, Warning                        |          |          |                               |

**IMPORTANT ADJUSTMENT PROCEDURES**  
 READ OPERATORS MANUAL FOR MORE DETAILS  
 Check tire pressure - (Drive tires-12 psi, Caster tires-Flat Free)

**HYDRAULIC FLUID LEVEL**  
 Check hydraulic fluid level while fluid is cool. Fluid level should be 3" below top of filler neck. Fill with SAE 20W50 motor oil only.

**IMPORTANT**  
 Do not overfill. Room for hot fluid expansion must be allowed or resulting expansion may cause leaks in the system

**IMPORTANT**  
 Gearbox Lubricant: SAE 80W90 gear oil

**IMPORTANT**  
 DRIVESHAFT MAINTENANCE  
 Grease yokes 3-4 pumps Every 200 hours  
 Grease spline 8-10 pumps Every 50 hours

**NEUTRAL ADJUSTMENT**  
 Loosen jam nuts  
 Rotate turnbuckle  
 With an operator in the seat, engine running, control levers in neutral and the parking brake disengaged - adjust control linkage. Loosen jam nuts. If wheel rotates forward, adjust turnbuckle CCW. If wheel rotates rearward, adjust turnbuckle CW. Adjust until drive wheel stops turning. Tighten jam nuts. Repeat for opposite side.

**TRACKING ADJUSTMENT**  
 If the machine pulls to the right, adjust LH control linkage CCW to slow left wheel. If the machine pulls to the left, adjust RH control linkage CCW to slow right wheel. Readjust neutral if necessary.

**FREE WHEEL OPERATION**  
 To move machine without running the engine, rotate both dump valves located at the LH side of the pumps CCW 1/2 turn to "Freewheel" positions. Return dump valves to original position to operate the mower. Tighten to 7-10 ft-lbs.

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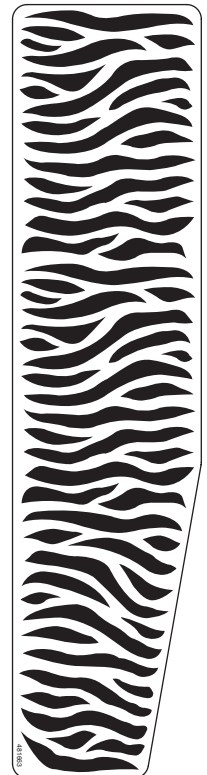
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## ELECTRICAL SCHEMATIC - CAT DIESEL

