

# SCAG<sup>®</sup>

## GIANT-VAC<sup>®</sup>



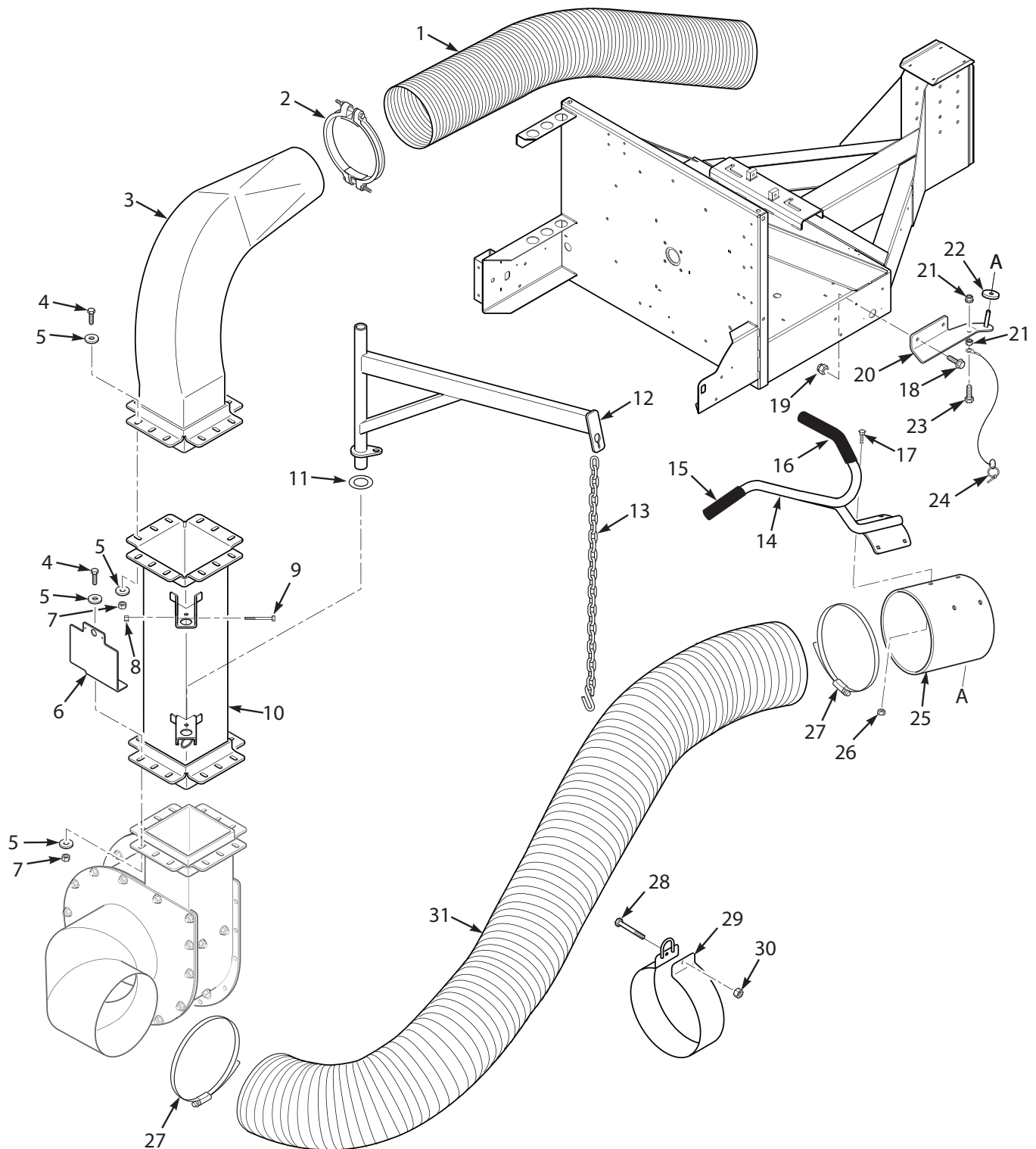
# ***OPERATOR'S MANUAL***

## **TRUCK LOADER Industrial Tow Behind**

**Model: TLB25-48KBD**

Congratulations on owning a Scag Giant-Vac truck loader! This manual contains the operating instructions and safety information for your Scag Giant-Vac truck loader. Reading this manual can provide you with assistance in maintenance and adjustment procedures to keep your truck loader performing to maximum efficiency. The specific models that this book covers are listed on the inside cover. Before operating your truck loader, please read all the information enclosed.

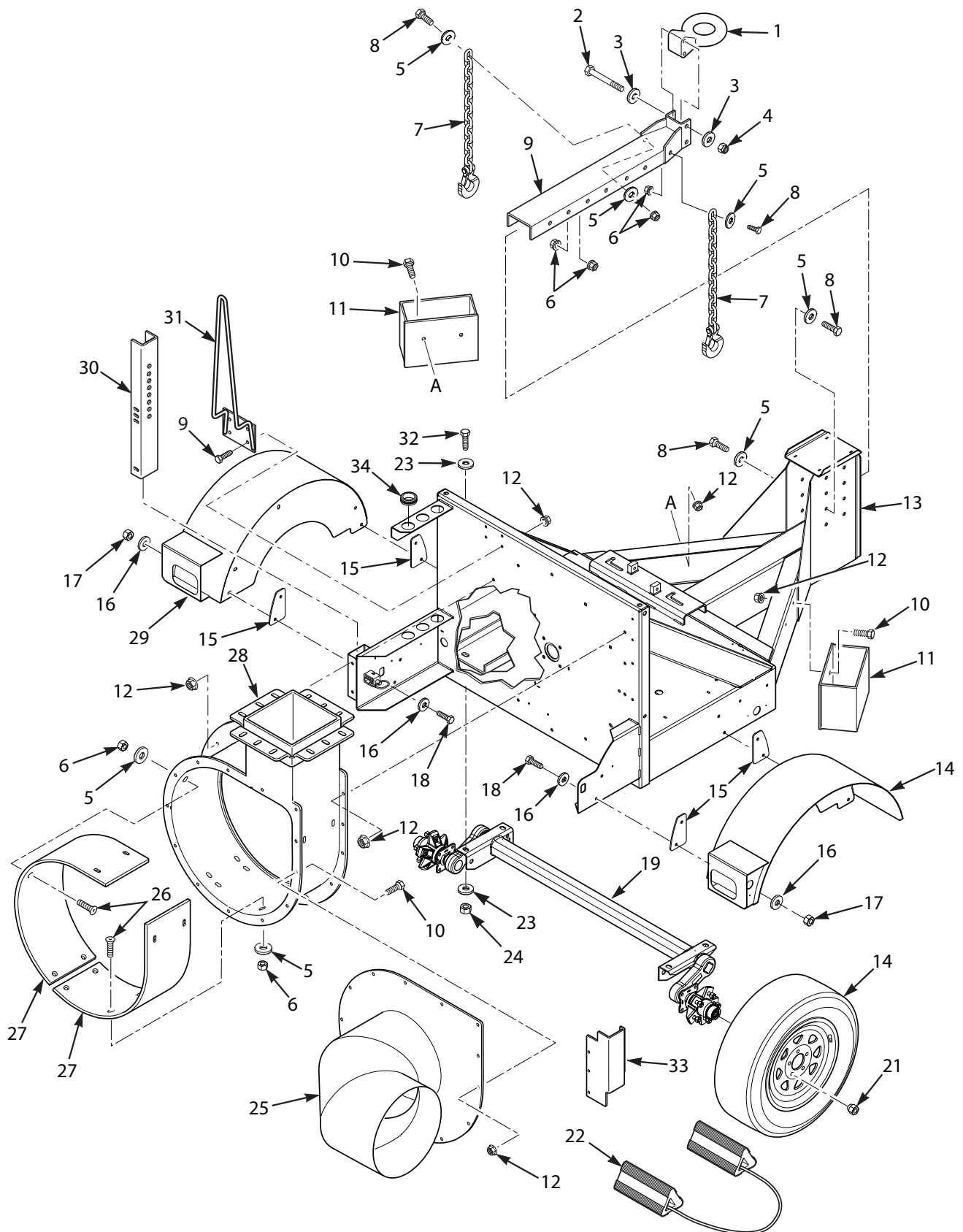
# INTAKE AND DISCHARGE ASSEMBLY



**Section 6**
**INTAKE AND DISCHARGE ASSEMBLY**

| Ref. No. | Part No.  | Description                                  |
|----------|-----------|----------------------------------------------|
| 1        | 484939-04 | Hose, Metal Galv. Interlock 12" X 72"        |
| 2        | 485061    | Double Bolt Clamp, 12"                       |
| 3        | 452529    | Elbow, Exhaust - TLB25                       |
| 4        | 04001-71  | Bolt, Hex Head 1/2-13 x 1-1/2"               |
| 5        | 04040-13  | Flatwasher, 1/2-.562 x 1.375 x .109          |
| 6        | 426327    | Bracket, License Plate                       |
| 7        | 04021-07  | Nut, Elastic Stop 1/2-13                     |
| 8        | 04021-08  | Nut, Elastic Stop 1/4-20                     |
| 9        | 04001-203 | Bolt, Hex Head 1/4-20 x 4"                   |
| 10       | 462633    | Stack Assembly, w/Decals                     |
| 11       | 484947    | Disk, Anti-Friction                          |
| 12       | 452517    | Boom Weldment                                |
| 13       | 484894    | Chain w/2-Hooks                              |
| 14       | 462612    | Handle w/Grips (incl. #15, 16)               |
| 15       | 485075    | Grip, Handle 1-1/4 x 6"                      |
| 16       | 485076    | Grip, Handle 1-1/4 x 20"                     |
| 17       | 04003-23  | Bolt, Carriage 3/8-16 x 1"                   |
| 18       | 04017-26  | Bolt, Hex Head Serrated Flange 3/8-16 x 3/4" |
| 19       | 04019-03  | Nut, Serrated Flange 3/8-16                  |
| 20       | 452536    | Hose Holder Weldment                         |
| 21       | 04019-03  | Nut, Serrated Flange 5/16-18                 |
| 22       | 485050    | Washer, Rubber                               |
| 23       | 04001-11  | Bolt, Hex Head 5/16-18 x 1-1/2"              |
| 24       | 485062    | Quick Pin Assembly w/Lanyard                 |
| 25       | 462641    | Nozzle w/Decal                               |
| 26       | 04021-09  | Nut, Elastic Stop 3/8-16                     |
| 27       | 48136-24  | Clamp, Hose 16" Bridge                       |
| 28       | 04001-49  | Bolt, Hex Head 5/16-18 x 3"                  |
| 29       | 452540    | Band, Hose Support 16"                       |
| 30       | 04021-10  | Nut, Elastic Stop 5/16-18                    |
| 31       | 48135-29  | Hose, 16" x 84" - .045 P.U. w/Wire           |

# IMPELLER HOUSING AND TRAILER ASSEMBLY

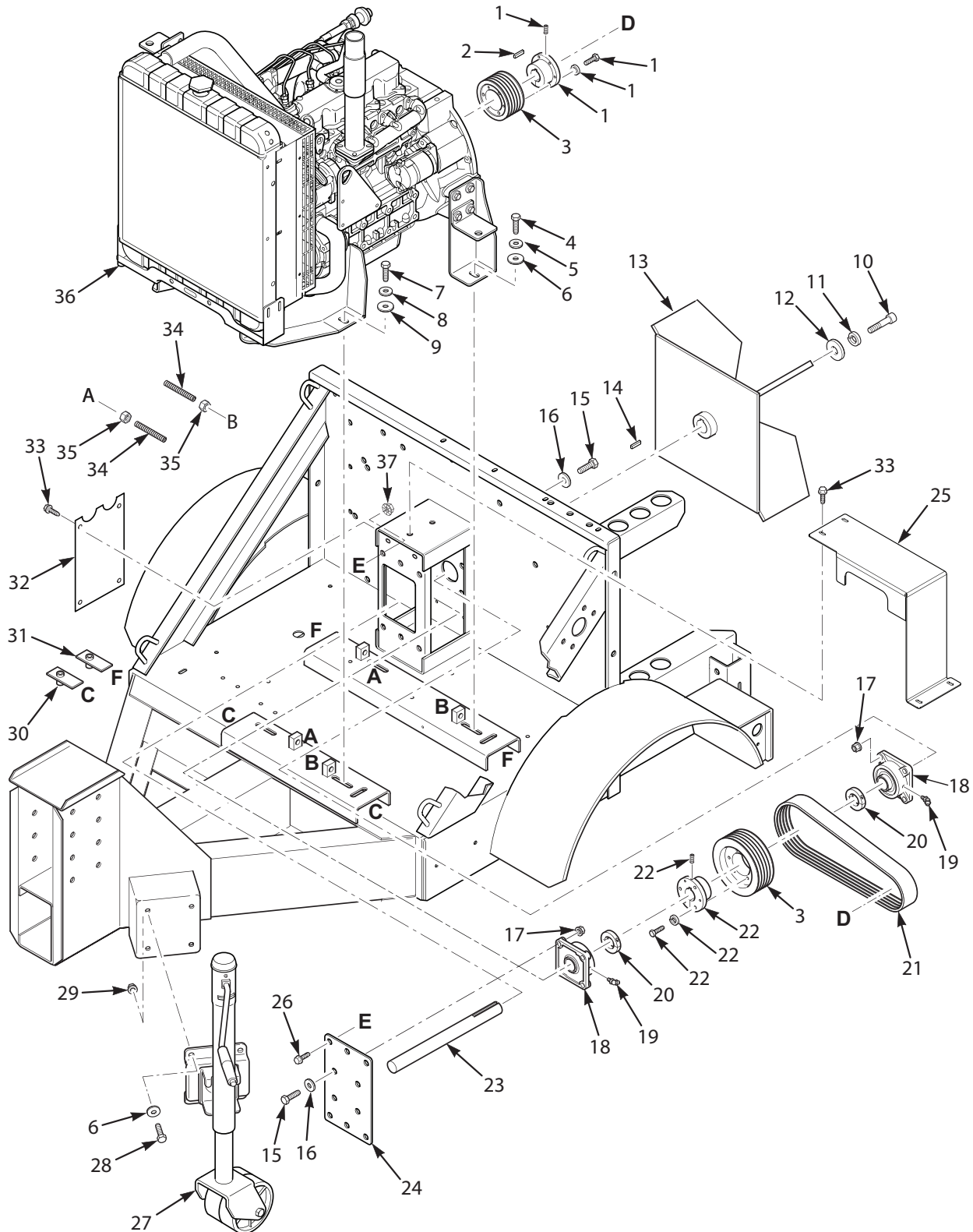


## Section 6

### IMPELLER HOUSING AND TRAILER ASSEMBLY

| Ref. No. | Part No.  | Description                                        |
|----------|-----------|----------------------------------------------------|
| 1        | 485105    | Pintle Ring, 3"                                    |
|          | 485104    | Ball Coupler, 2-5/16" (optional)                   |
| 2        | 04001-204 | Bolt, Hex Head 5/8-11 x 4-3/4" Grade 8             |
| 3        | 04043-09  | Flatwasher, 5/8-.656 x 1.312 x 0.95 HD             |
| 4        | 04021-23  | Nut, Elastic Stop 1/2-13                           |
| 5        | 04040-13  | Flatwasher, 1/2-.562 x 1.375 x .109                |
| 6        | 04021-07  | Nut, Elastic Stop 1/2-13                           |
| 7        | 485064    | Safety Chain, 5/16 x 36"                           |
| 8        | 04001-183 | Bolt, Hex Head 1/2-13 x 1-3/4"                     |
| 9        | 462690    | Draw Bar w/Decal                                   |
| 10       | 04017-26  | Bolt, Hex Head Serrated Flange 3/8-16 x 3/4"       |
| 11       | 452519    | Chock Box Weldment                                 |
| 12       | 04019-04  | Nut, Serrated Flange 3/8-16                        |
| 13       | 462657    | Base and Frame w/Decal                             |
| 14       | 452545    | Fender Weldment, RH                                |
| 15       | 426421    | Spacer, Fender                                     |
| 16       | 04040-11  | Flatwasher, 7/16-.500 x 1.250 x .083               |
| 17       | 04021-11  | Nut, Elastic Stop 7/16-14                          |
| 18       | 04001-28  | Bolt, Hex Head 7/16-14 x 1-1/4"                    |
| 19       | 485081    | Axle, 3,500#                                       |
| 20       | 484948    | Wheel Assembly, 205/75D15 - 6 Ply                  |
|          | 485091    | Rim, 15 x 5 - 5 Lug                                |
|          | 485092    | Tire, 205/75D15                                    |
| 21       | 04028-02  | Lug Nut                                            |
| 22       | 485103    | Wheel Chocks w/Rope                                |
| 23       | 04043-06  | Flatwasher, 5/8-.688 x 1.75 x .134 HD              |
| 24       | 04021-13  | Nut, Elastic Stop 5/8-11                           |
| 25       | 452492    | Intake Elbow, TLB25                                |
| 26       | 04014-05  | Capscrew, 1/2-13 x 1-1/2" FHHS                     |
| 27       | 462579    | Wear Liner Kit w/Hardware, TLB25 (incl. #5, 6, 26) |
| 28       | 452491    | Impeller Housing, TLB25                            |
| 29       | 452544    | Fender Weldment, LH                                |
| 30       | 426208    | Channel Support                                    |
| 31       | 485109    | Holder, Traffic Cone                               |
|          | 485079    | Traffic Cone                                       |
| 32       | 04001-131 | Bolt, Hex Head 5/8-11 x 1-3/4"                     |
| 33       | 426209    | Bracket, Hose Protector                            |
| 34       | 485080    | Grommet, Rubber                                    |

# IMPELLER DRIVE ASSEMBLY

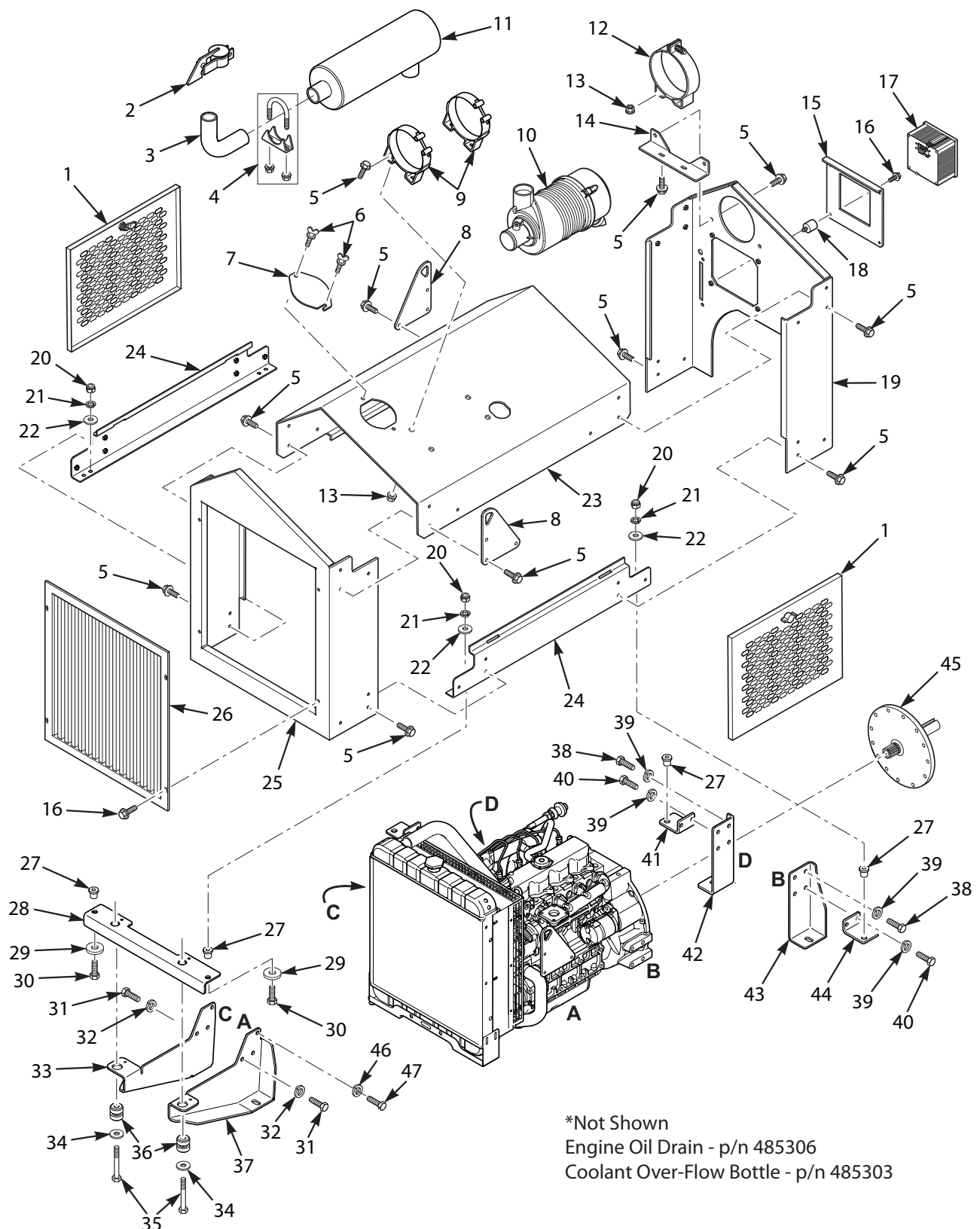


## Section 6

### IMPELLER DRIVE ASSEMBLY

| Ref. No. | Part No.  | Description                                                 |
|----------|-----------|-------------------------------------------------------------|
| 1        | 484992    | Bushing, Tapered Lock SK 1-1/2"                             |
| 2        | 04063-34  | Key, 3/8 x 3/8 x 2-1/4"                                     |
| 3        | 484991    | Pulley, Sheave 3V6.5 x 5 SK                                 |
| 4        | 04001-131 | Bolt, Hex Head 5/8-11 x 1-3/4"                              |
| 5        | 04030-07  | Lockwasher, 5/8" Spring                                     |
| 6        | 04043-06  | Flatwasher, 5/8-.688 x 1.75 x .134 HD                       |
| 7        | 04001-183 | Bolt, Hex Head 1/2-13 x 1-3/4"                              |
| 8        | 04030-06  | Lockwasher, 1/2"                                            |
| 9        | 04043-08  | Flatwasher, 1/2-.562 x 1.375 x .109 HD                      |
| 10       | 04015-23  | SHCS, 5/8-18 x 2-1/2"                                       |
| 11       | 04030-07  | Lockwasher, 5/8" Spring                                     |
| 12       | 04043-06  | Flatwasher, 5/8-.688 x 1.75 x .109 HD                       |
| 13       | 452445    | Impeller, STL 4-Blade 24-3/4" OD                            |
| 14       | 04063-33  | Key, 3/8 x 3/8 x 4-1/2"                                     |
| 15       | 04001-183 | Bolt, Hex Head 1/2-13 x 1-3/4"                              |
| 16       | 04040-13  | Flatwasher, 1/2-.562 x 1.375 x .109                         |
| 17       | 04021-07  | Nut, Elastic Stop 1/2-13                                    |
| 18       | 484909    | Bearing, Flange Mount                                       |
| 19       | 48114-07  | Grease Fitting, 45 Degree 1/4-28 x .813                     |
| 20       | 485096    | Collar, 2pc 1-7/16                                          |
| 21       | 485069    | Belt, R3V x 425-5                                           |
| 22       | 484993    | Bushing, Tapered Lock SK 1-7/16                             |
| 23       | 43942     | Shaft, Impeller                                             |
| 24       | 426424    | Bearing Mount Plate                                         |
| 25       | 426406    | Belt Cover                                                  |
| 26       | 04017-36  | Bolt, Hex Head Serrated Flange 1/2-13                       |
| 27       | 484848    | Jack, Trailer 2-Wheel                                       |
| 28       | 04001-19  | Bolt, Hex Head 3/8-16 x 1"                                  |
| 29       | 04019-04  | Nut, Serrated Flange 3/8-16                                 |
| 30       | 452533    | Nut Plate Weldment, 1/2-13                                  |
| 31       | 452532    | Nut Plate Weldment, 5/8-11                                  |
| 32       | 426402    | Belt Cover, RH Diesel                                       |
| 33       | 04011-12  | Screw, 5/16-18 x 3/4" HWHD Shakeproof                       |
| 34       | 04012-13  | Set Screw, 1/2-13 x 4"                                      |
| 35       | 04020-07  | Nut, 1/2-13                                                 |
| 36       | 484961    | Engine, Kubota 48hp Diesel (not avail. thru Scag Giant-Vac) |
| 37       | 04019-06  | Nut, Serrated Flange 1/2-13                                 |

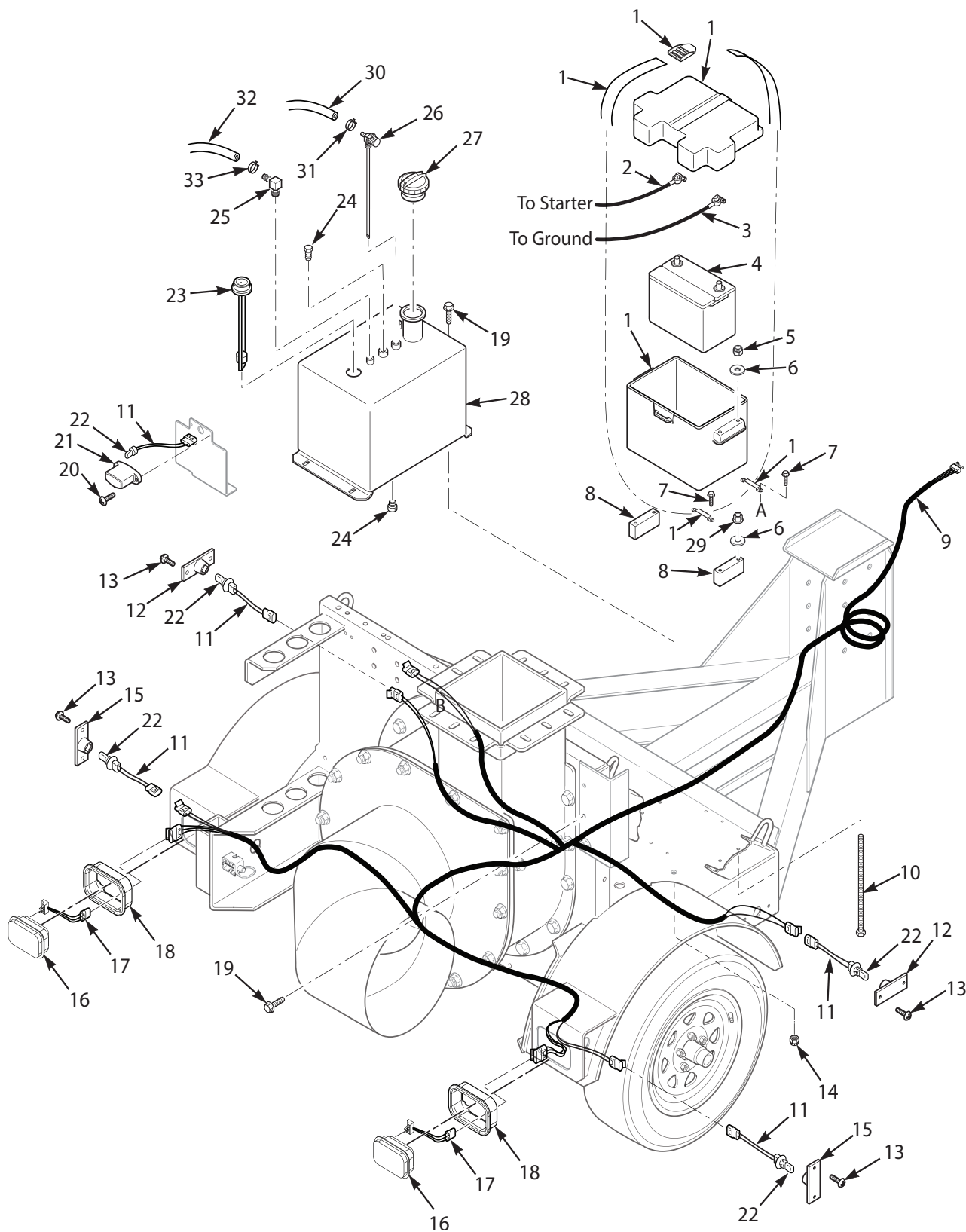
# KUBOTA ENGINE ASSEMBLY



**Section 6**
**KUBOTA ENGINE ASSEMBLY**

| Ref. No. | Part No.  | Description                             |
|----------|-----------|-----------------------------------------|
| 1        | 462727    | Enclosure, Side Panel                   |
| 2        | 485297    | Rain Cap, Exhaust                       |
| 3        | 485296    | Elbow, Exhaust                          |
| 4        | 485298    | Clamp, Muffler 2.0"                     |
| 5        | 04013-03  | Bolt, Hex Head 5/16-18 x 3/4" Ser. Flg. |
| 6        | 04129-01  | Thumb Screw, 5/16-18 x 5/8"             |
| 7        | 426691    | Enclosure, Cover                        |
| 8        | 426690    | Bracket, Control Panel                  |
| 9        | 485295    | Mounting Band, Muffler                  |
| 10       | 485292    | Air Filter Assy.                        |
| 11       | 485294    | Muffler                                 |
| 12       | 485293    | Bracket, Muffler                        |
| 13       | 04019-03  | Nut, Serrated Flange 5/16-18            |
| 14       | 452612    | Support, Air Filter                     |
| 15       | 426379    | Bracket, Control Panel                  |
| 16       | 04013-02  | Bolt, Hex Head 5/16-18 x 5/8" Ser. Flg. |
| 17       | 485299    | Panel, Control                          |
|          | 485456    | Throttle Control (not shown)            |
|          | 485457    | Engine Tachometer (not shown)           |
|          | 485458    | Hour Meter (not shown)                  |
| 18       | 485300    | Stud Mount, 5/16-18                     |
| 19       | 452614    | Enclosure, Rear                         |
| 20       | 04020-04  | Nut, 3/8-16                             |
| 21       | 04030-04  | Lockwasher, 3/8" spring                 |
| 22       | 04040-05  | Flatwasher, 3/8-.406 x .812 x .065      |
| 23       | 452617    | Enclosure, Top                          |
| 24       | 452616    | Enclosure, Side Rail                    |
| 25       | 452615    | Enclosure, Front                        |
| 26       | 452613    | Debris Screen, Radiator                 |
| 27       | 485455    | Isolator Mount                          |
| 28       | 462726    | Support, Radiator - Lower               |
| 29       | 04041-41  | Flatwasher, 3/8-.406 x 1.250 x .125     |
| 30       | 04001-21  | Bolt, Hex Head 3/8-16 x 1-3/4"          |
| 31       | 04002-31  | Metric, Hex Head M12-1.25 x 30          |
| 32       | 04033-03  | Lockwasher, Metric M12 spring           |
| 33       | 426684    | Engine Mount Front, Right               |
| 34       | 04041-40  | Flatwasher, 1/2-.531 x 2.00 x .125      |
| 35       | 04001-190 | Bolt, Hex Head 1/2-13 x 2-3/4"          |
| 36       | 485454    | Isolator Mount, Sleeved                 |
| 37       | 426683    | Engine Mount Front, Left                |
| 38       | 04001-70  | Bolt, Hex Head 1/2-13 x 1-1/4"          |
| 39       | 04030-06  | Lockwasher, 1/2" Spring                 |
| 40       | 04001-71  | Bolt, Hex Head 1/2-13 x 1-1/2"          |
| 41       | 426688    | Support, Enclosure - Right Rear         |
| 42       | 426686    | Engine Mount Rear - Right               |
| 43       | 426685    | Engine Mount Rear - Left                |
| 44       | 426687    | Support, Enclosure - Left Rear          |
| 45       | 485302    | Stub Shaft Assy.                        |
| 46       | 04033-02  | Lockwasher, Metric M10 spring           |
| 47       | 04002-11  | Metric, Hex Head M10-1.25 x 30          |

# FUEL AND ELECTRICAL SYSTEM



## Section 6

### FUEL AND ELECTRICAL SYSTEM

| Ref. No. | Part No.  | Description                                    |
|----------|-----------|------------------------------------------------|
| 1        | 484989    | Battery Box, GRP24                             |
| 2        | 481176-08 | Battery Cable, Red                             |
| 3        | 481176-13 | Battery Cable, Black                           |
| 4        | 482283    | Battery (not available thru Scag Giant-Vac)    |
| 5        | 04021-08  | Nut, Elastic Stop 1/4-20                       |
| 6        | 04040-14  | Flatwasher, 1/4-.312 x .750 x .065             |
| 7        | 04011-11  | Screw, #10-32 x .56 HDHW Shakeproof            |
| 8        | 485053    | Spacer, Battery Box                            |
| 9        | 485043    | Wire Harness, TL                               |
| 10       | 04003-30  | Bolt, Carriage 1/4-20 x 7-1/2"                 |
| 11       | 485112    | Pigtail, Side Marker Light                     |
| 12       | 485041    | Side Marker Light (does not incl. #22)         |
| 13       | 04011-23  | Screw, #8-18 x 3/4" Self Tap                   |
| 14       | 04019-04  | Nut, Serrated Flange 3/8-16                    |
| 15       | 485040    | Side Marker Light (does not inc#22)            |
| 16       | 485039    | Stop / Turn / Tail Light                       |
| 17       | 485111    | Pigtail, Tail Light                            |
| 18       | 485072    | Grommet, Tail Light                            |
| 19       | 04017-26  | Bolt, Hex Head 3/8-16 x 3/4"                   |
| 20       | 04011-06  | Screw, #10-30 x 3/4" Self Tap                  |
| 21       | 485077    | Light, License Plate (incl. #22)               |
| 22       | 485086    | Bulb, 194                                      |
| 23       | 484323    | Fuel Gauge Assembly, 12"                       |
|          | 484242    | Seal, Fuel Gauge                               |
| 24       | 481652-02 | Plug, Pipe 1/4" NPT                            |
| 25       | 485102    | Fuel Return Line Fitting                       |
| 26       | 485101    | Fuel Pick Up Tube                              |
| 27       | 485084    | Fuel Cap, Steel Tank - Diesel                  |
| 28       | 492356    | Fuel Tank Assembly (incl. #23, 24, 25, 26, 27) |
| 29       | 04019-02  | Nut, Serrated Flange 1/4-20                    |
| 30       | 483620    | Fuel Hose, 5/16" I.D. - Order by Inch          |
| 31       | 48059-04  | Clamp, Fuel Hose 5/16" I.D.                    |
| 32       | 481179    | Fuel Return Hose, 3/16" I.D. - Order by Inch   |
| 33       | 48059-03  | Clamp, Fuel Hose 3/16" I.D.                    |