



# Triumph Repair/Parts Manual

For Models: DID



**Avoid serious injury!**

**Lack of training, human error, or carelessness may cause serious injury or death to the operator, mechanic, or others.**

All users, mechanics, and owners MUST read and understand the Operator's Manual before inspecting, operating or repairing the Triumph. If you are not entirely familiar with the Operator's Manual and the safety messages it contains, read it now before proceeding with any repairs or maintenance.



**Periodically check [permagreen.com](http://permagreen.com) for available Triumph updates.**

**For Technical Support:**

Contact your local dealer or PermaGreen at (800) 346-2001  
or via e-mail at [support@permagreen.com](mailto:support@permagreen.com)

Perma-Green Supreme, Inc.  
March 23, 2023  
Triumph Repair/Parts Manual (v17.3d)  
North American Version

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# Table of Contents

## SCHEMATIC SECTION

### **POWER TRANSMISSION SCHEMATIC GROUP**

Power train Schematic.....4-7

### **HOPPER SCHEMATIC GROUP**

Hopper Schematic.....8-16

### **CABLE AND LEVER SCHEMATIC GROUP**

Cable and Lever Schematic.....17-26

### **ELECTRICAL SCHEMATIC GROUP**

Electrical Schematic.....27

### **SPRAYER SCHEMATIC GROUP**

Sprayer Schematic.....28

Plumbing Schematic.....29

### **SULKY SCHEMATIC GROUP**

Articulating Schematic.....30-31

Sulky Schematic.....32-34



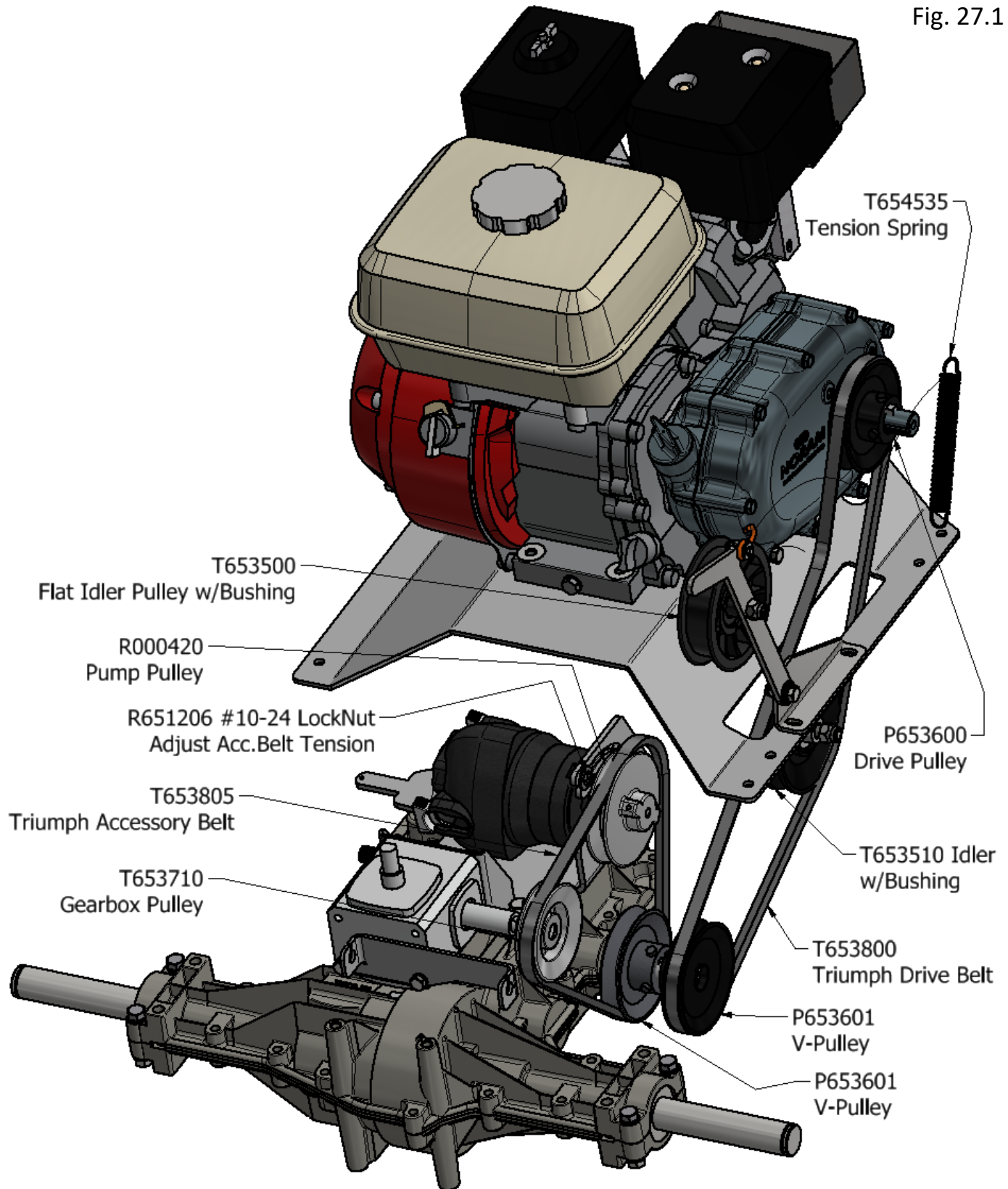
### **Avoid serious injury!**

**Lack of training, human error, or carelessness may cause serious injury or death to the operator, mechanic, or others.**

- All users, mechanics, and owners SHALL read and understand the Operator's Manual before inspecting, operating or repairing the Triumph. (The Operator's Manual is available at [www.permagreen.com](http://www.permagreen.com) or 800.346.2001)
- If you are not entirely familiar with the Operator's Manual and the Safety Messages it contains, read it now before proceeding with any repairs or maintenance.
- Of particular importance to repair personnel are Operator's Manual Sections:
  - 2. New Machine Pre-operation Inspection (pages 2-3)
  - 3. Safety Manual Warnings (pages 5-13) particularly important to repair personnel are:
    - 1, Owner's Responsibility (page 8)
    - 2, Supervised Driver's Training (page 8)
    - 4, Operator Clothing and PPE (page 8)
    - 5, Safety Devices (page 8)
    - 6, Operation (page 9)
    - 8, Fuel Safety (page 9)
    - 9, Inspect Machine Before Each Use (page 10)
    - 10, Engine Starting Safety (page 10)
    - 14, Parking (page 10)
    - 17, Check Wheel Fasteners (page 12)
    - 18, Tire Safety (page 13)
    - 19, Maintenance and Service (page 13)
    - 20, Pesticide Safety (page 13)
    - 21, Handling and Disposal of Hazardous Waste Products (page 13)
    - 22, Replacement Parts (page 13)
  - 4. Driver's Training and Operation (pages 14-19) particularly;
    - a. Component and Safety Device Identification (page 14)
    - g. Testing Safety Devices (page 18)
  - 7. Troubleshooting Manual (pages 29-31)
  - 8. Service Manual (pages 33-37)
- For additional assistance, contact PermaGreen Tech Support at [support@permagreen.com](mailto:support@permagreen.com)

## POWER TRANSMISSION SCHEMATIC GROUP

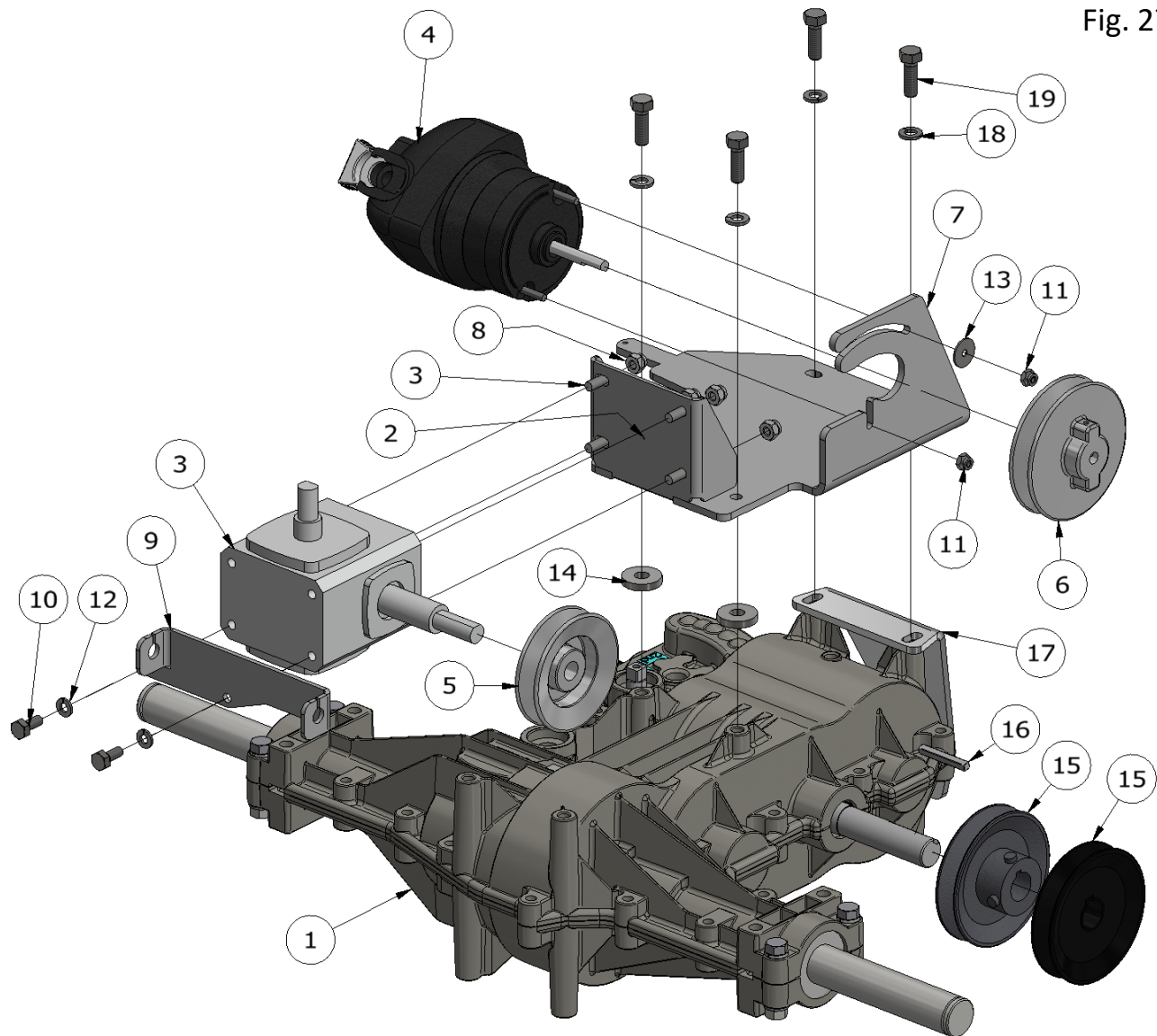
Fig. 27.1





## POWER TRANSMISSION SCHEMATIC GROUP

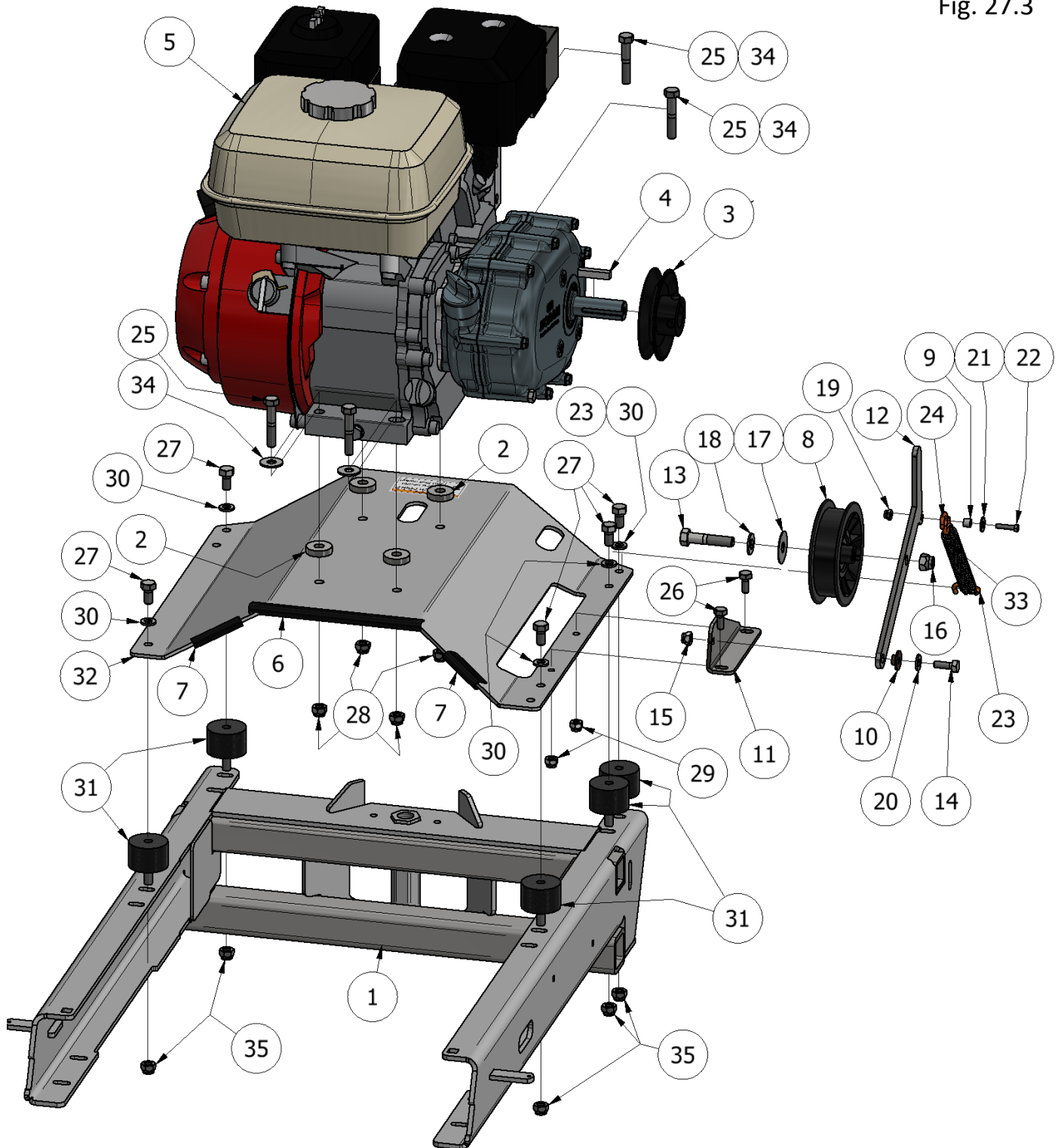
Fig. 27.2



| ITEM | QTY | STOCK # | DESCRIPTION              | ITEM | QTY | STOCK # | DESCRIPTION                  |
|------|-----|---------|--------------------------|------|-----|---------|------------------------------|
| 1    | 1   | P210100 | Transaxle (kit #T210303) | 11   | 2   | R651206 | #10-24 Lock Nut              |
| 2    | 1   | P210130 | Transaxle Caulk          | 12   | 2   | R651480 | Ø1/4" LockWasher             |
| 3    | 1   | T422355 | Gearbox Production       | 13   | 1   | R651450 | 3/16"x 3/4" FenderWasher     |
| 4    | 1   | T442090 | Triumph Pump Raw         | 14   | 2   | T650850 | .1875"Thk. Spacer            |
| 5    | 1   | T653710 | 3"OD Ø1/2"Bore           | 15   | 2   | P653601 | V-Pulley, A3.50 x 3/4"       |
| 6    | 1   | R000420 | Ø3.5" Pulley, Ø5/16"Bore | 16   | 1   | R651628 | 3/16" x 1 1/2" Machinery Key |
| 7    | 1   | T101045 | Pump/Gearbox Brkt Welded | 17   | 1   | T101790 | Torque Strap                 |
| 8    | 4   | R651216 | Hex Locknut, Ø1/4-20     | 18   | 4   | R651482 | Ø 5/16" Lock Washer          |
| 9    | 1   | T101745 | Trans Cable Holder       | 19   | 4   | R650122 | HHB 5/16-18 UNCx 1"Lg.       |
| 10   | 2   | P651660 | 1/4-20 x0.625 HHCS       |      |     |         |                              |

# POWER TRANSMISSION SCHEMATIC GROUP

Fig. 27.3

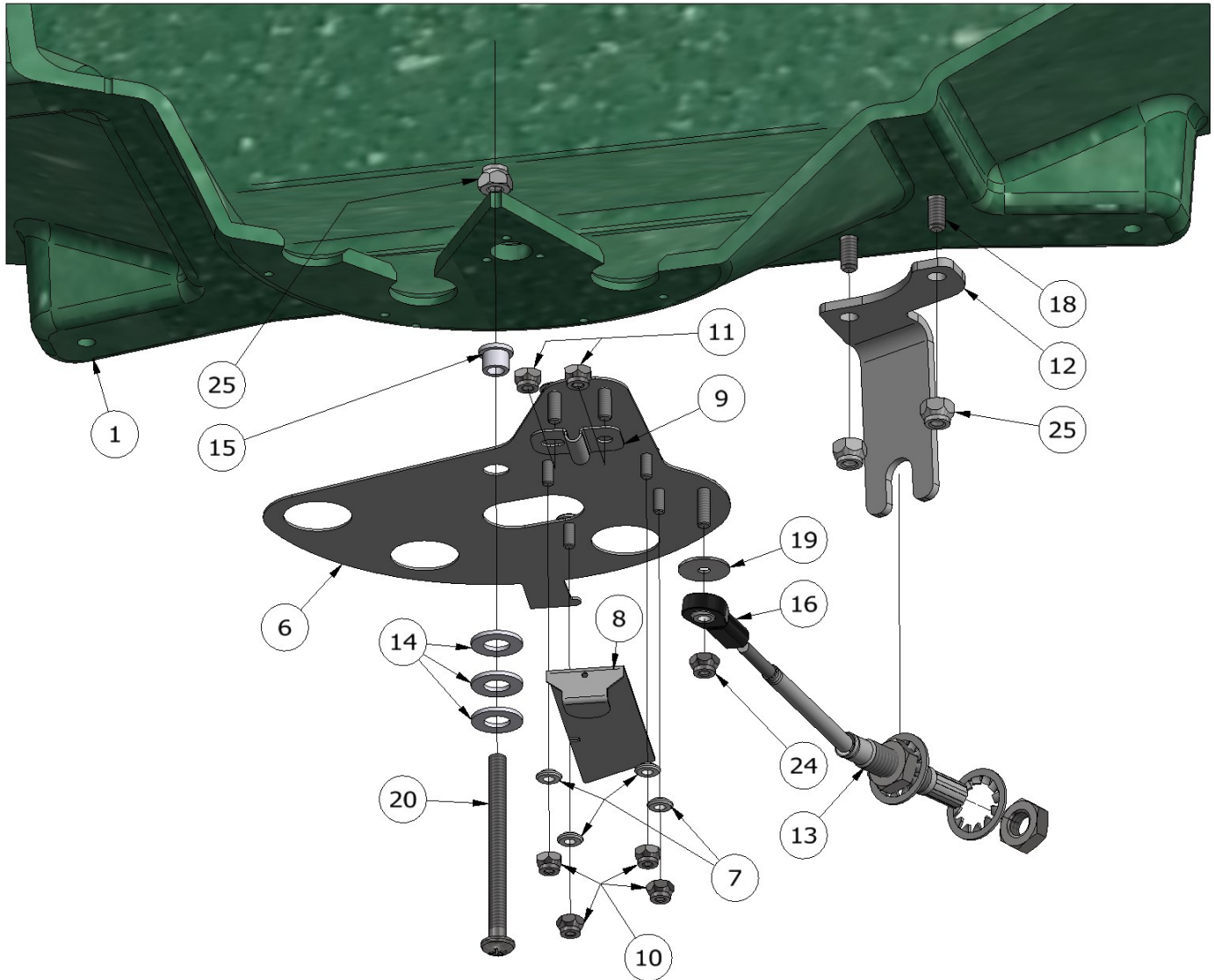


## POWER TRANSMISSION SCHEMATIC GROUP

| ITEM | QTY | STOCK NUMBER | DESCRIPTION                  |
|------|-----|--------------|------------------------------|
| 1    | 1   | T101003      | Triumph Frame                |
| 2    | 4   | P100160      | Engine Spacer                |
| 3    | 1   | P653600      | V-Pulley, A3.50 x 3/4"       |
| 4    | 1   | P651645      | Stock Honda Key 1 1/4"       |
| 5    | 1   | P449200      | 5HP Motor (kit #T449403)     |
| 6    | 1   | T654345      | Mtr. Center 7" Strip         |
| 7    | 2   | T654350      | Mtr. Side 2" Strip           |
| 8    | 1   | T653500      | Flat Idler Pulley w/Bush     |
| 9    | 1   | T650880      | #8 Spacer                    |
| 10   | 1   | T651940      | Sleeve Bearing/Thrust Washer |
| 11   | 1   | T101580      | Idler Bracket                |
| 12   | 1   | T101585      | Idler Arm                    |
| 13   | 1   | R650738      | Hex Bolt - Ø3/8-16 x 1.75"   |
| 14   | 1   | R650620      | 1/4-20x 3/4" Hex Bolt        |
| 15   | 1   | R651216      | Hex Locknut, Ø1/4-20         |
| 16   | 1   | P645203      | Hex Locknut Ø3/8-16          |
| 17   | 1   | P651203      | Ø3/8xØ1.25" Fender Washer    |
| 18   | 1   | R651419      | Ø3/8 Washer                  |
| 19   | 1   | P650117      | #8-32 Lock Nut               |
| 20   | 1   | R651420      | Ø1/4" Washer                 |
| 21   | 1   | T650875      | #10 x 9/16 Washer            |
| 22   | 1   | T650870      | #8-32 x 3/4" HHMS            |
| 23   | 1   | T651945      | S Hook w/Bend                |
| 24   | 1   | T651290      | Brass S Hook                 |
| 25   | 4   | R650665      | 5/16-18 x1.75" HHB           |
| 26   | 2   | P651660      | 1/4-20 x0.625 HHCS           |
| 27   | 5   | T645880      | 5/16-18x 5/8"lg. HHB         |
| 28   | 4   | R651214      | 5/16-18 Hex Lock Nut         |
| 29   | 2   | R651216      | Hex Locknut, Ø1/4-20         |
| 30   | 5   | R651482      | Ø 5/16" Lock Washer          |
| 31   | 5   | T449415      | Damper Assembly              |
| 32   | 1   | T101760      | Triumph MotorPlate 5HP       |
| 33   | 1   | T654535      | Tension Spring               |
| 34   | 4   | 651422       | Ø5/16" Washer                |

## HOPPER SCHEMATIC GROUP

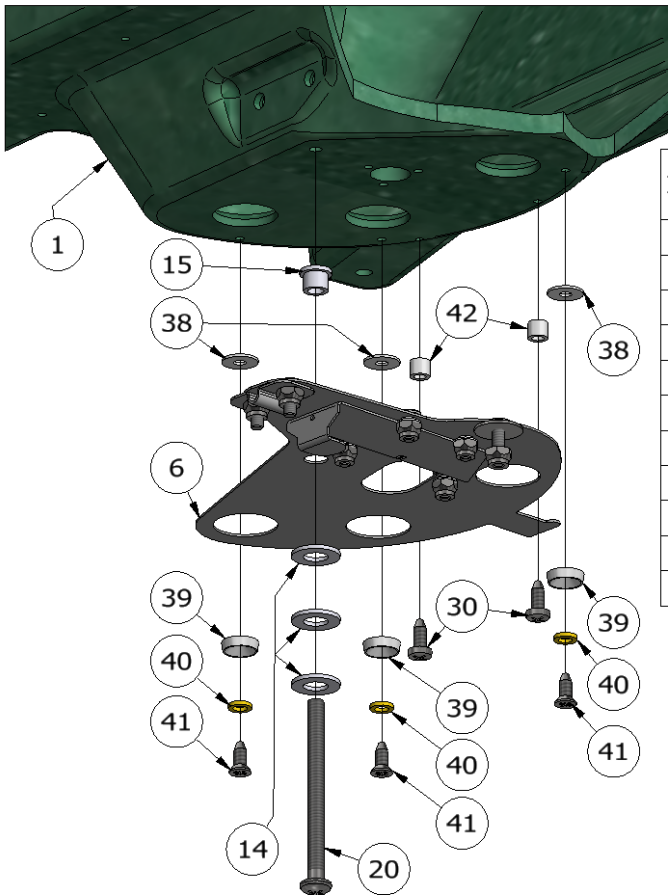
Fertilizer Rate, 3rd Hole Plates Fig. 28.1



| ITEM | QTY | STOCK # | DESCRIPTION                  | ITEM | QTY | STOCK # | DESCRIPTION               |
|------|-----|---------|------------------------------|------|-----|---------|---------------------------|
| 1    | 1   | T422803 | 2015 Hopper (not sold)       | 14   | 3   | U422896 | 3/8 Nylon Washer          |
| 6    | 1   | T101593 | Fert. B-Shut Off Plate       | 15   | 1   | T645925 | Nylon Insert              |
| 7    | 4   | P650112 | #8 Shoulder Washer, Nylon    | 16   | 1   | P652465 | 3/16" Tie Rod End         |
| 8    | 1   | T101597 | 3rd Hole B-Slide Plate       | 18   | 2   | T645955 | 1/4-20x 0.75" CrossFlatMS |
| 9    | 1   | P100443 | Shut Off Plate Clamp         | 19   | 1   | R651450 | 3/16"x 3/4" FenderWasher  |
| 10   | 4   | P650117 | #8-32 Lock Nut               | 20   | 1   | T650918 | 1/4-20x 3" Phil Rnd M.S.  |
| 11   | 2   | P645204 | Hex Locknut Ø#10-32          | 24   | 1   | R651206 | #10-24 Lock Nut           |
| 12   | 1   | T101617 | Fert. Rate Adjust Cable Mnt. | 25   | 3   | R651216 | Hex Locknut, Ø1/4-20      |
| 13   | 1   | T654215 | Hopper Fert. Cable           |      |     |         |                           |

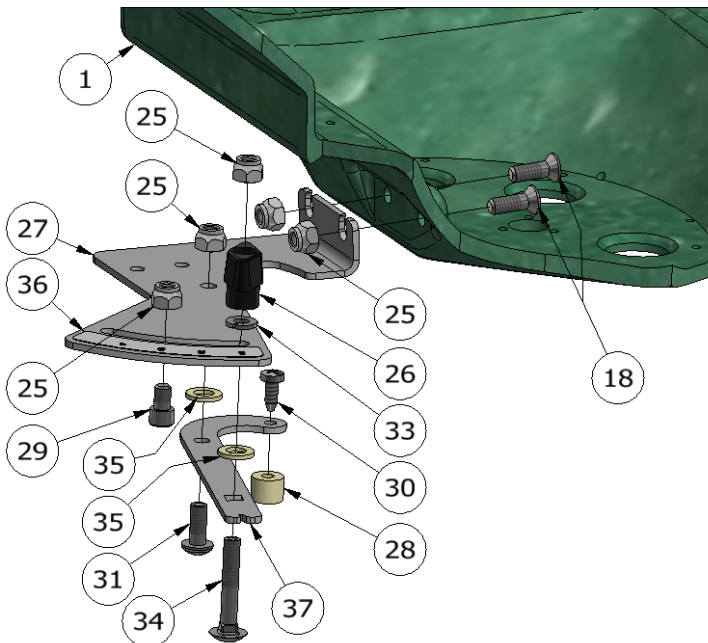
## HOPPER SCHEMATIC GROUP

Fertilizer Rate Plate Guides Fig. 28.2



| ITEM | QTY | STOCK # | DESCRIPTION                      |
|------|-----|---------|----------------------------------|
| 1    | 1   | T422803 | 2015 Hopper (not sold)           |
| 6    | 1   | T422957 | Fert. Shut Off Plate Assembly    |
| 14   | 3   | U422896 | 3/8 Nylon Washer                 |
| 15   | 1   | T645925 | Nylon Insert                     |
| 20   | 1   | T650918 | 1/4-20x 3" Phil Rnd M.S.         |
| 30   | 2   | T645970 | #10 x 1/2" Pan Screw-Phillips    |
| 38   | 3   | P645225 | #10 Nylon Washer                 |
| 39   | 3   | P655220 | Countersink Washer, #10          |
| 40   | 3   | P645230 | Urethane Washer, #10             |
| 41   | 3   | T645975 | #10-16x 1/2" Flat Screw-Phillips |
| 42   | 2   | P422918 | #10x 0.25" Nylon Spacer          |

Fert.Rate Adj. Fig. 28.3

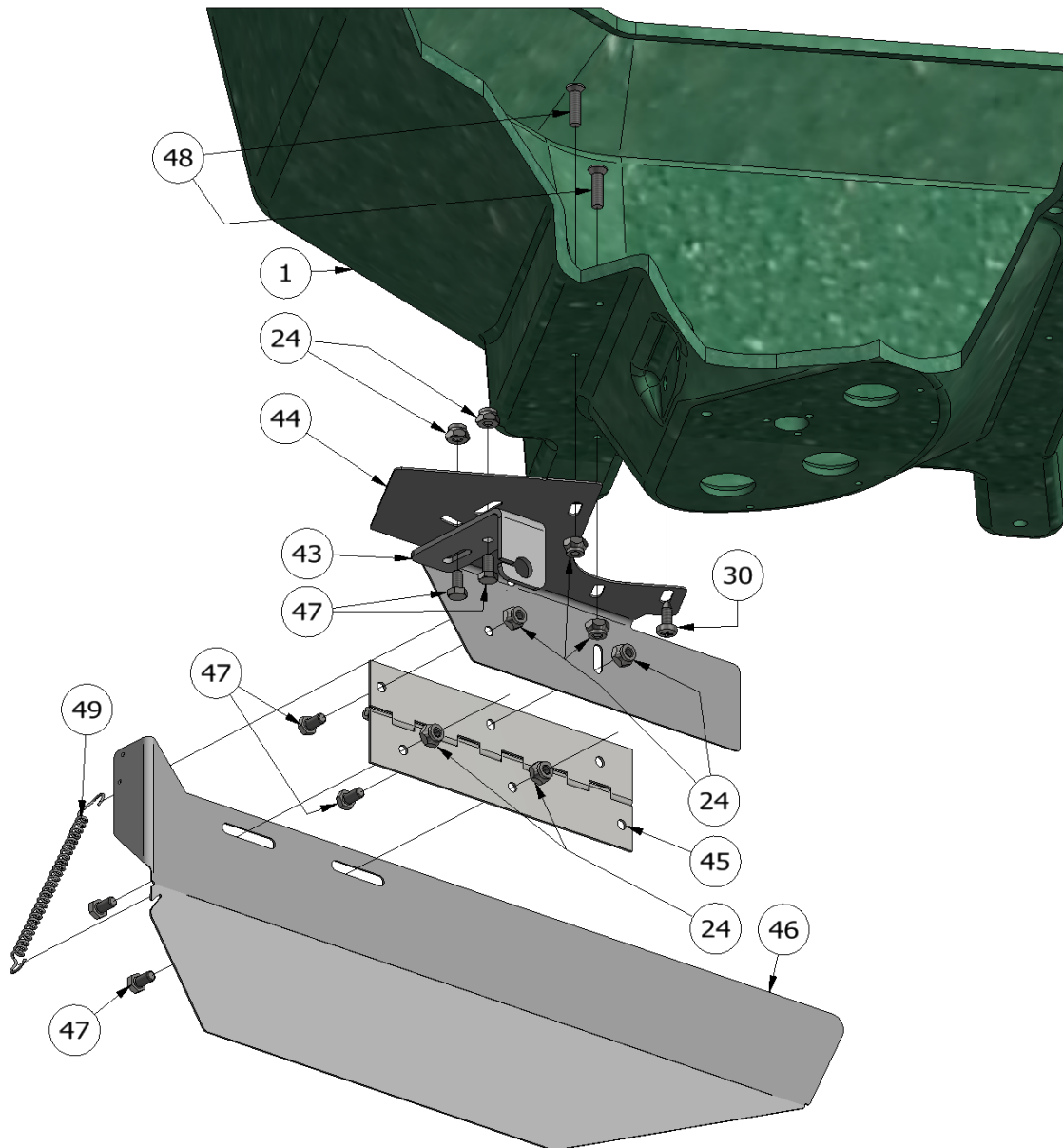


| ITEM | QTY | STOCK # | DESCRIPTION                   |
|------|-----|---------|-------------------------------|
| 1    | 1   | T422803 | 2015 Hopper (not sold)        |
| 18   | 2   | T645955 | 1/4-20x 0.75" CrossFlatMS     |
| 25   | 5   | R651216 | Hex Locknut, Ø1/4-20          |
| 26   | 1   | T422937 | Fert. Rate Knob               |
| 27   | 1   | T101536 | Fert. Rate Control Mount      |
| 28   | 1   | T651600 | #10x1/2" 3/8" Nylon Spacer    |
| 29   | 1   | T645270 | SHCS, Ø1/4-20 x3/8"           |
| 30   | 1   | T645970 | #10 x 1/2" Pan Screw-Phillips |
| 31   | 1   | T645280 | 1/4-20x 0.625" CrossPanM.S.   |
| 33   | 1   | R651480 | Ø1/4" LockWasher              |
| 34   | 1   | T645275 | 1/4-20x 1.5" Carriage Bolt    |
| 35   | 2   | R651550 | .32"ID x0.5"OD Nylon Washer   |
| 36   | 1   | T000140 | Fert. Rate Sticker            |
| 37   | 1   | T101538 | Fert. Rate Control Lever      |



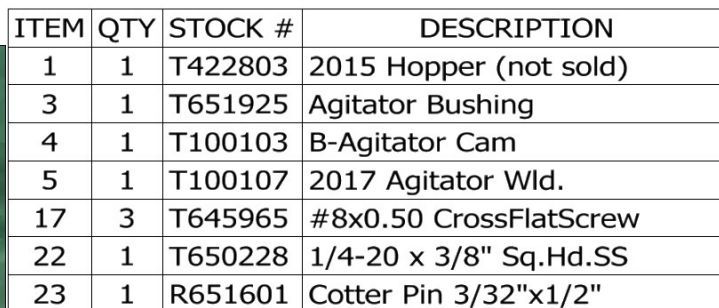
## HOPPER SCHEMATIC GROUP

Trim Deflector Fig.28.4

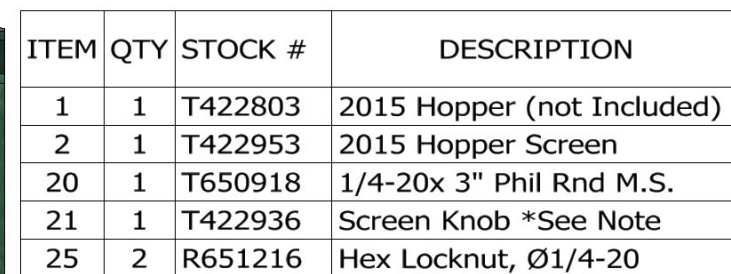


| ITEM | QTY | STOCK # | DESCRIPTION                      |
|------|-----|---------|----------------------------------|
| 1    | 1   | T422803 | 2015 Hopper (not sold)           |
| 24   | 8   | R651206 | #10-24 Lock Nut                  |
| 30   | 1   | T645970 | #10 x 1/2" Pan Screw-Phillips    |
| 43   | 1   | T101547 | Deflector Cable Mount            |
| 44   | 1   | T101543 | Deflector Hinge Mount            |
| 45   | 1   | R652092 | Deflector Hinge                  |
| 46   | 1   | T101541 | Deflector 2016 Triumph           |
| 47   | 6   | T645817 | #10-24x 3/8" Hex MScrew          |
| 48   | 2   | T645235 | #10-24x 3/4" Flat Screw-Phillips |
| 49   | 1   | P205020 | Deflector Spring                 |

Agitator Fig. 28.5



Screen Fig. 28.6

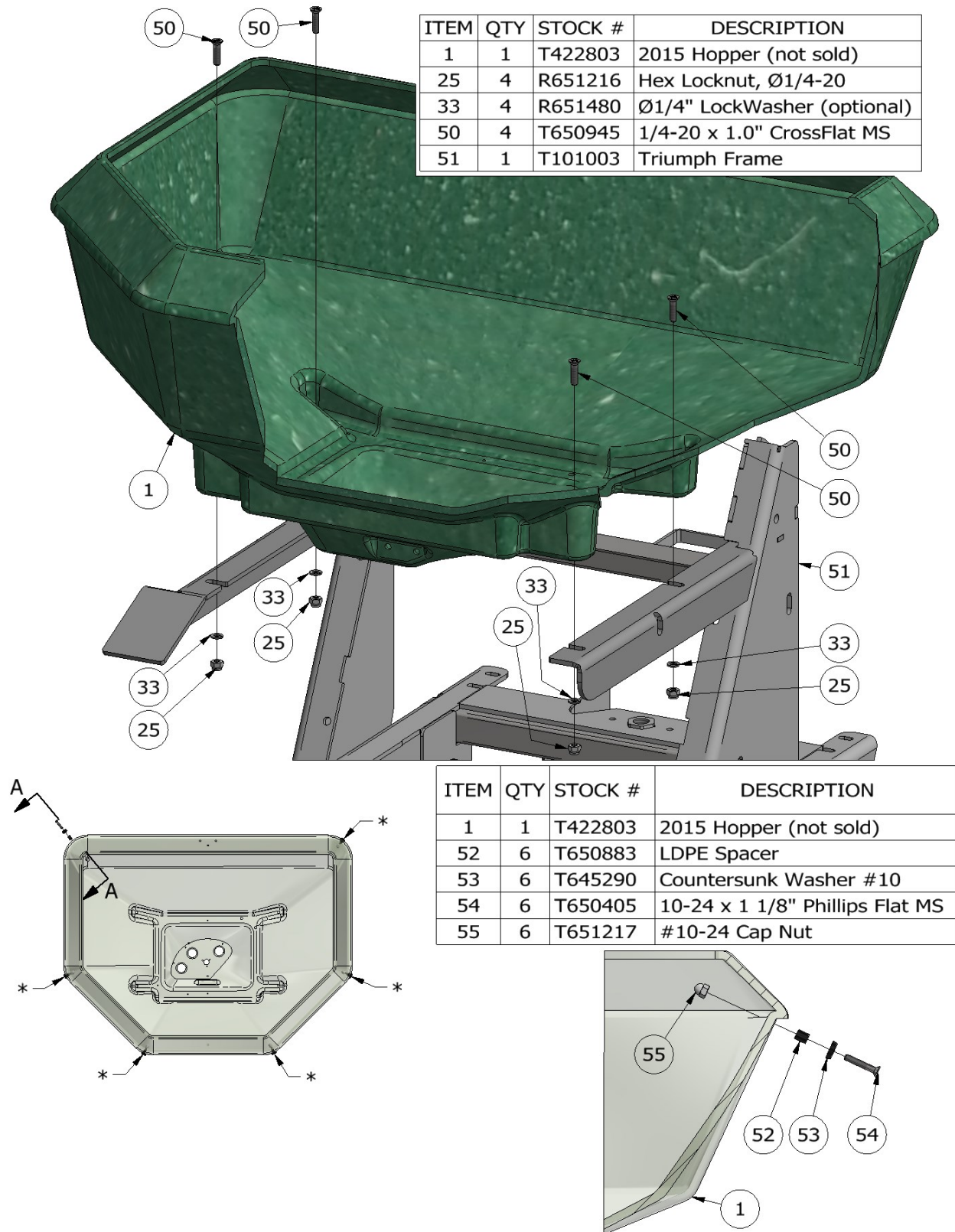


\*NOTE:  
T654378 Lanyard Ass'y.  
-T654298 Lanyard  
-T422936 Screen Knob  
-T645970 #10x1/2" Pan Screw



# HOPPER SCHEMATIC GROUP

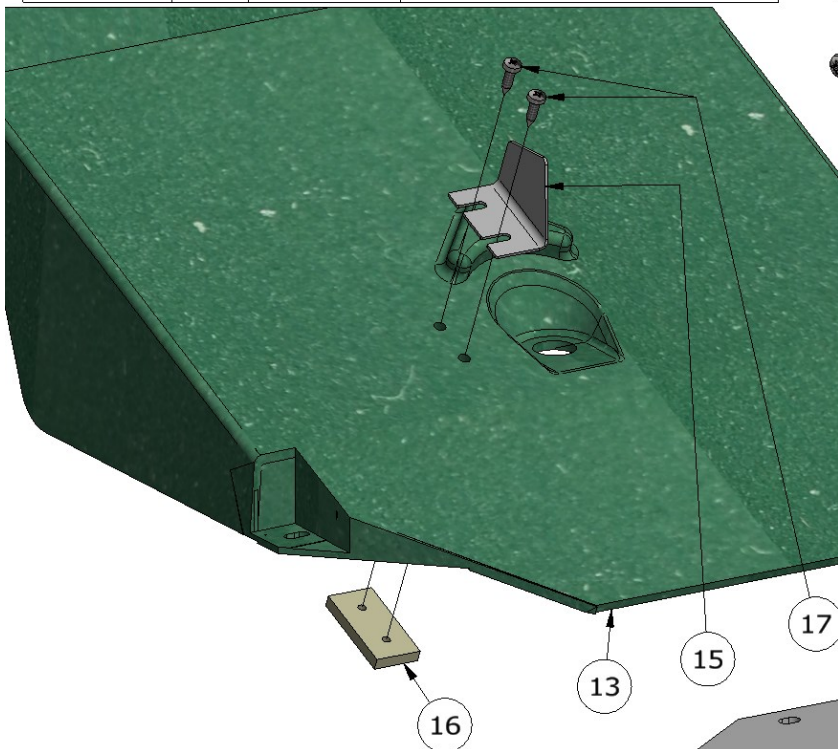
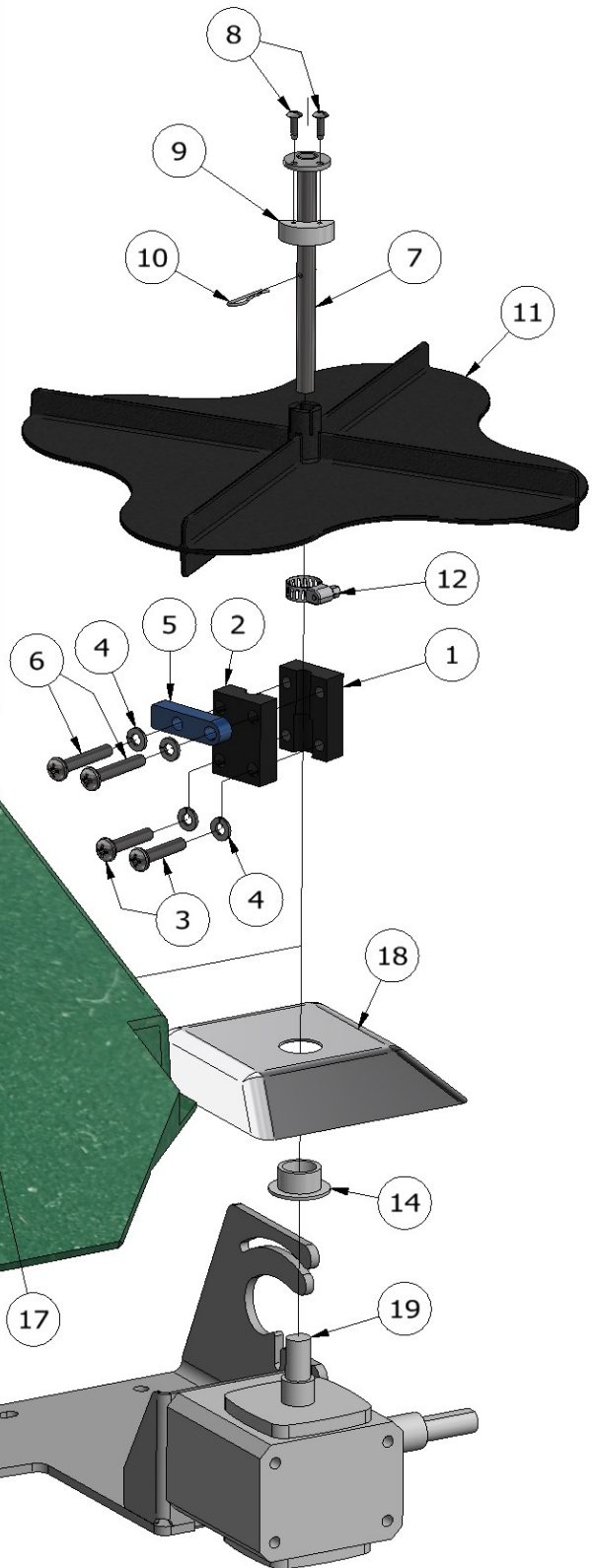
Hopper Mount Fig. 28.7



## HOPPER SCHEMATIC GROUP

Spinner Group Fig. 28.8

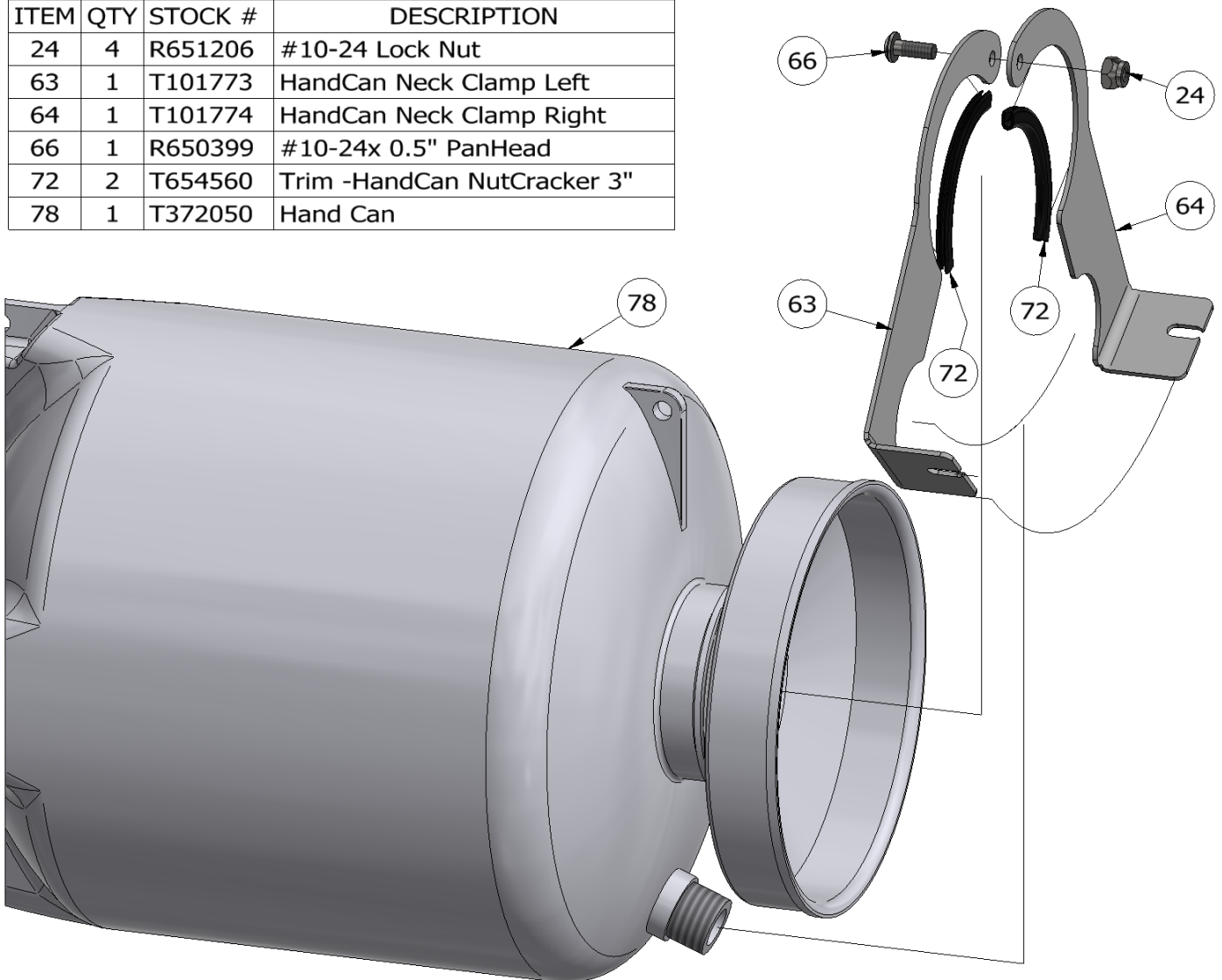
| ITEM | QTY | STOCK #   | DESCRIPTION                  |
|------|-----|-----------|------------------------------|
| 1    | 1   | (T651969) | Threaded Shaft Block         |
| 2    | 1   | (T651969) | C'Bored Shaft Block          |
| 3    | 2   | 650430    | 1/4-20x 1 1/4" Phil.MS       |
| 4    | 4   | R651480   | Ø1/4" LockWasher             |
| 5    | 1   | T651937   | 2015 Shaker Striker          |
| 6    | 2   | R650428   | 1/4-20x 1.5" Phil Rnd M.S.   |
| 7    | 1   | T422305   | B-Spinner Shaft Assembly     |
| 8    | 2   | T645900   | #6-20x1/2" Tapping Phi.T     |
| 9    | 1   | T651935   | D-Cam, Agitator              |
| 10   | 1   | R651570   | Hair Pin 3/8                 |
| 11   | 1   | T422100   | Straight Fin Spinner Platter |
| 12   | 1   | T651280   | #5 Worm Clamp                |
| 13   | 1   | T101905   | Hood -2015                   |
| 14   | 1   | T651913   | Hood Bearing                 |
| 15   | 1   | T101833   | HoodShaker Bracket           |
| 16   | 1   | T651939   | Hoodshaker Backplate         |
| 17   | 2   | T650943   | #10x3/4" Phil. SM Screw      |
| 18   | 1   | T210165   | Gearbox Heat Shield 6"       |
| 19   | 1   | T422355   | Gearbox Production           |



# HOPPER SCHEMATIC GROUP

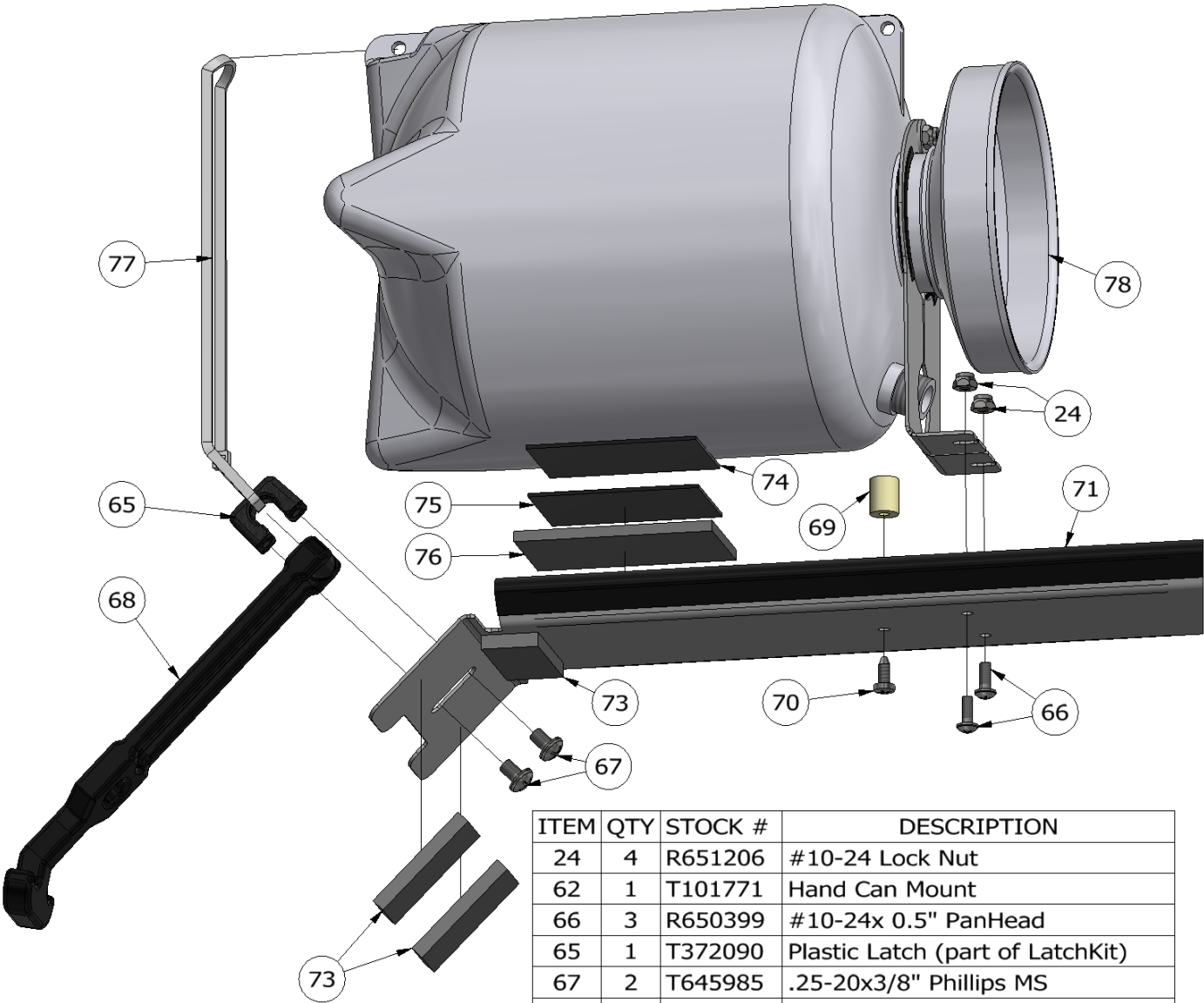
HandCan1 Fig. 28.9

| ITEM | QTY | STOCK # | DESCRIPTION                 |
|------|-----|---------|-----------------------------|
| 24   | 4   | R651206 | #10-24 Lock Nut             |
| 63   | 1   | T101773 | HandCan Neck Clamp Left     |
| 64   | 1   | T101774 | HandCan Neck Clamp Right    |
| 66   | 1   | R650399 | #10-24x 0.5" PanHead        |
| 72   | 2   | T654560 | Trim -HandCan NutCracker 3" |
| 78   | 1   | T372050 | Hand Can                    |



**HOPPER SCHEMATIC GROUP**

HandCan2 Fig. 28.10



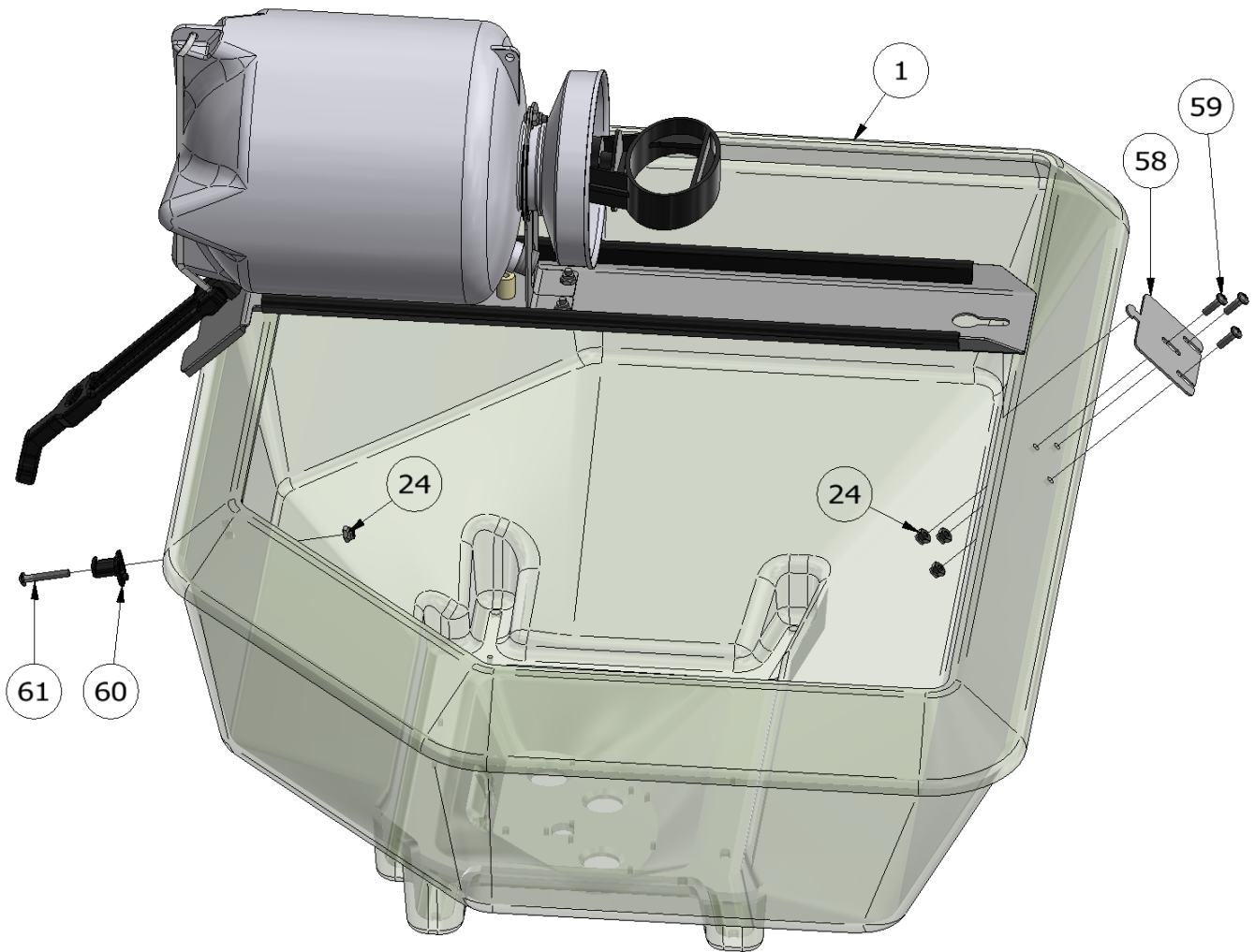
| ITEM | QTY | STOCK # | DESCRIPTION                      |
|------|-----|---------|----------------------------------|
| 24   | 4   | R651206 | #10-24 Lock Nut                  |
| 62   | 1   | T101771 | Hand Can Mount                   |
| 66   | 3   | R650399 | #10-24x 0.5" PanHead             |
| 65   | 1   | T372090 | Plastic Latch (part of LatchKit) |
| 67   | 2   | T645985 | .25-20x3/8" Phillips MS          |
| 68   | 1   | T372090 | Rubber Handle (part of LatchKit) |
| 69   | 1   | T651603 | 0.192x0.5"OD 5/8" Nylon Spacer   |
| 70   | 1   | T645970 | #10 x 1/2" Pan Screw-Phillips    |
| 71   | 2   | T654555 | Rubber Trim 19"                  |
| 73   | 3   | T654575 | Can Mount Pad                    |
| 74   | 1   | T341440 | 2x3 "Velcro" Loop                |
| 75   | 1   | T341435 | 2x3 "Velcro" Hook                |
| 76   | 1   | T654580 | Mount Pad 3/16x2x3.5"            |
| 77   | 1   | T347047 | 21" Cobra Ties                   |
| 78   | 1   | T372050 | Hand Can                         |



## HOPPER SCHEMATIC GROUP

HandCan 3 Fig. 28.11

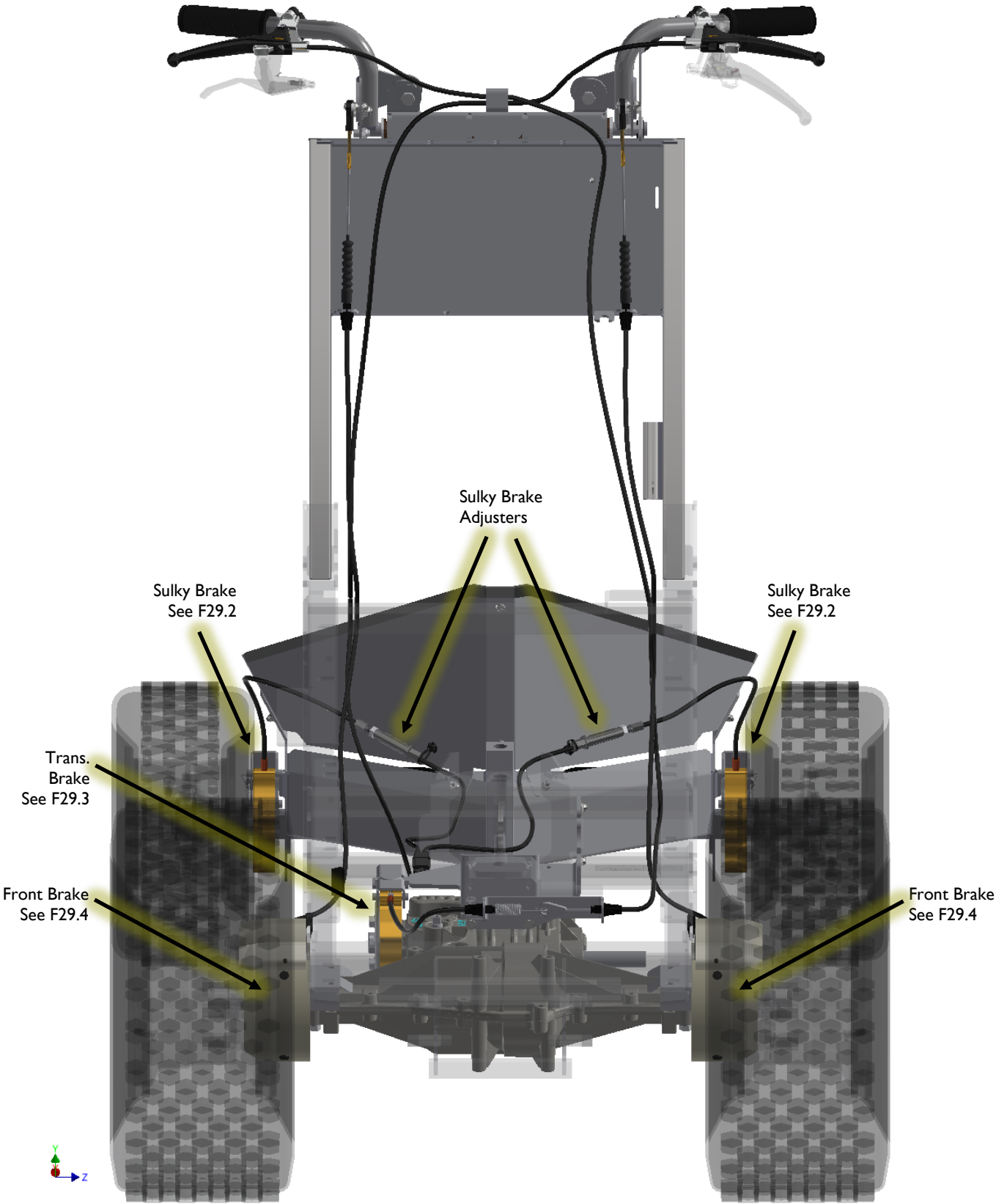
| ITEM | QTY | STOCK # | DESCRIPTION                     |
|------|-----|---------|---------------------------------|
| 1    | 1   | T422803 | 2015 Hopper (not sold)          |
| 24   | 4   | R651206 | #10-24 Lock Nut                 |
| 58   | 1   | T101775 | Key Plate                       |
| 59   | 3   | U650102 | #10-24 x 5/8" PanHead           |
| 60   | 1   | T372090 | Latch Keeper (part of LatchKit) |
| 61   | 1   | T651270 | #10-24 x 1 1/4" Phil.MS         |





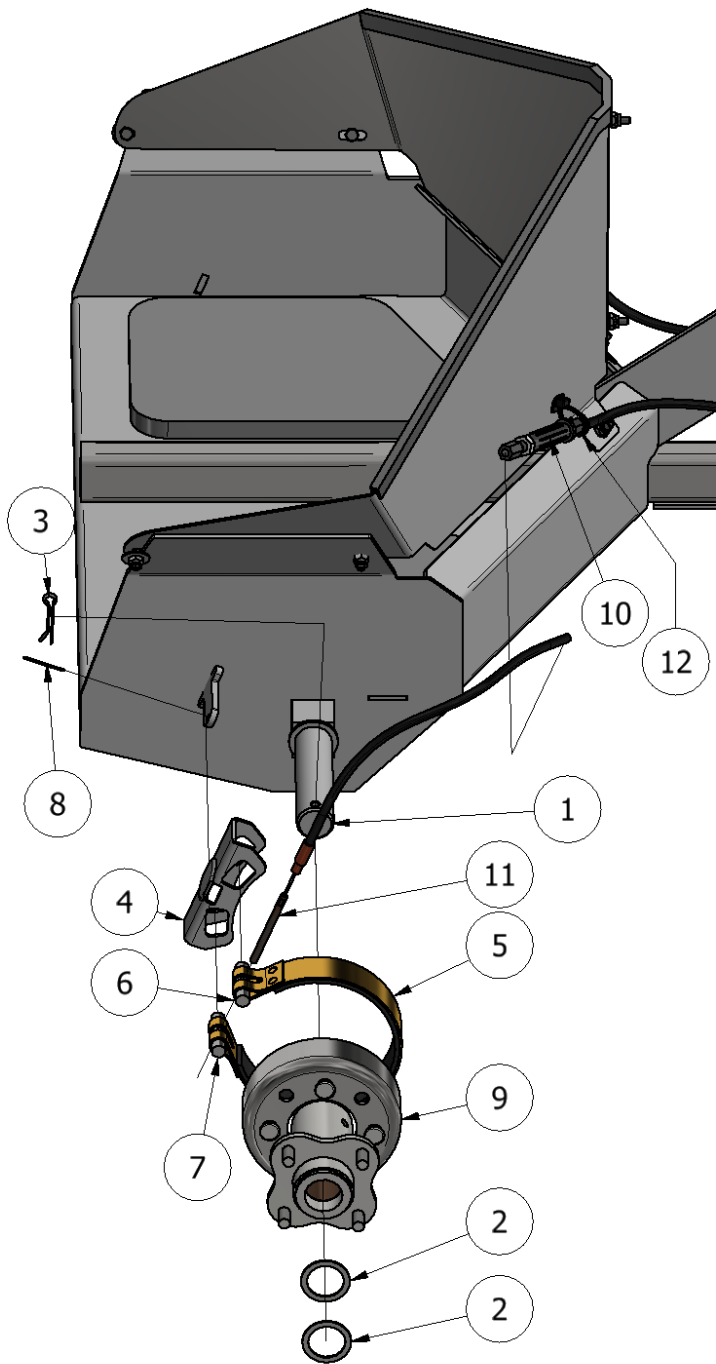
CABLE AND LEVER SCHEMATIC GROUP

Brakes Fig. 29.1



## CABLE AND LEVER SCHEMATIC GROUP

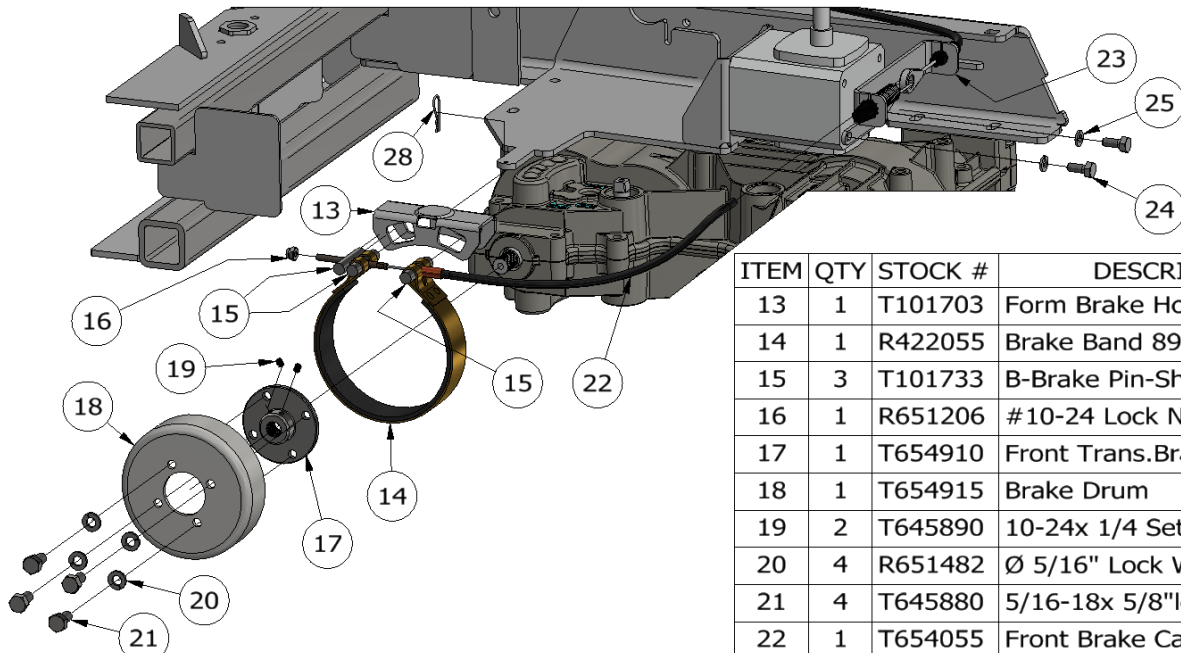
Sulky Brakes Fig. 29.2



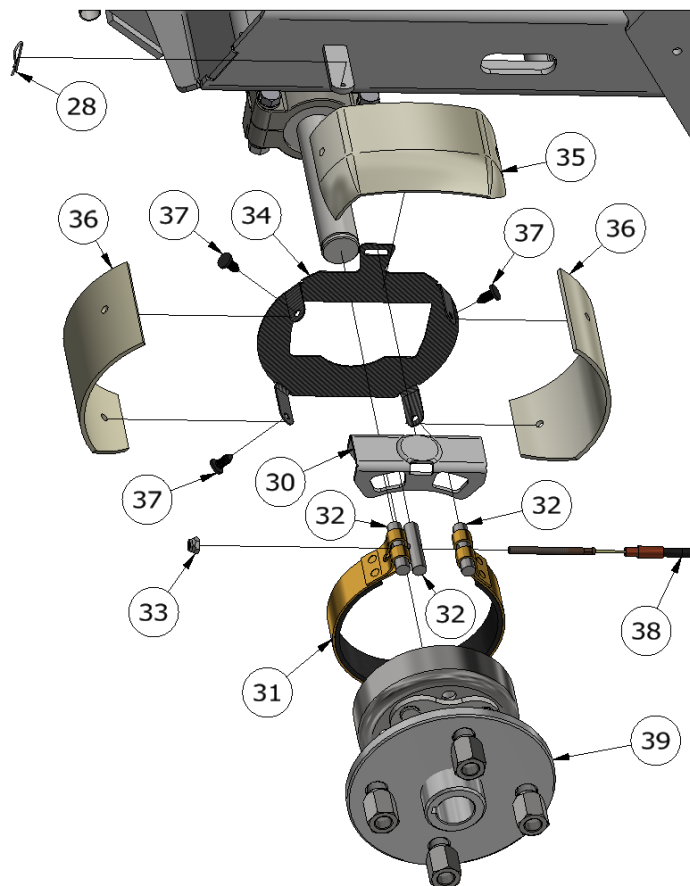
| SULKY BRAKES |     |         |                       |
|--------------|-----|---------|-----------------------|
| ITEM         | QTY | STOCK # | DESCRIPTION           |
| 1            | 2   | T101417 | Axle 1" B1B           |
| 2            | 8   | P651512 | Washer 1" x 18 Ga     |
| 3            | 2   | T651605 | 3/16-1 1/4 Cotter Pin |
| 4            | 2   | T101703 | Form Brake Holder     |
| 5            | 2   | R422055 | Brake Band 892424     |
| 6            | 2   | T101733 | B-Brake Pin-Sheath    |
| 7            | 2   | T101740 | Brake Pin Rod         |
| 8            | 2   | R651570 | Hair Pin 3/8          |
| 9            | 2   | T654750 | Small 1" Hub Assembly |
| 10           | 2   | T654040 | Inline Cable Adjuster |
| 11           | 2   | T654040 | Sulky Brake Cable     |
| 12           | 2   | R347042 | Wire Tie, Stud        |

## CABLE AND LEVER SCHEMATIC GROUP

Trans Brake Fig. 29.3



| ITEM | QTY | STOCK # | DESCRIPTION                |
|------|-----|---------|----------------------------|
| 13   | 1   | T101703 | Form Brake Holder          |
| 14   | 1   | R422055 | Brake Band 892424          |
| 15   | 3   | T101733 | B-Brake Pin-Sheath         |
| 16   | 1   | R651206 | #10-24 Lock Nut            |
| 17   | 1   | T654910 | Front Trans.Brake Hub      |
| 18   | 1   | T654915 | Brake Drum                 |
| 19   | 2   | T645890 | 10-24x 1/4 Set Screw       |
| 20   | 4   | R651482 | Ø 5/16" Lock Washer        |
| 21   | 4   | T645880 | 5/16-18x 5/8"lg. HHB       |
| 22   | 1   | T654055 | Front Brake Cable          |
| 23   | 1   | T101745 | Trans Cable Holder         |
| 24   | 2   | P651660 | 1/4-20 x0.625 HHCS         |
| 25   | 2   | R651480 | Ø1/4" LockWasher           |
| 28   | 3   | R651570 | Hair Pin 3/8               |
| 30   | 2   | T101703 | Form Brake Holder          |
| 31   | 2   | R422055 | Brake Band 892424          |
| 32   | 6   | T101733 | B-Brake Pin-Sheath         |
| 33   | 2   | R651206 | #10-24 Lock Nut            |
| 34   | 2   | T101713 | Brake Shield               |
| 35   | 2   | T101708 | Top Rubber Brake Cover     |
| 36   | 4   | T101709 | Side Rubber Brake Cover    |
| 37   | 8   | T422987 | Rivet- Ribbed Shank Ø.187" |
| 38   | 1   | T654060 | SmartSteer Brake Cable     |
| 39   | 2   | P654725 | Front Hub and Brake Drum   |



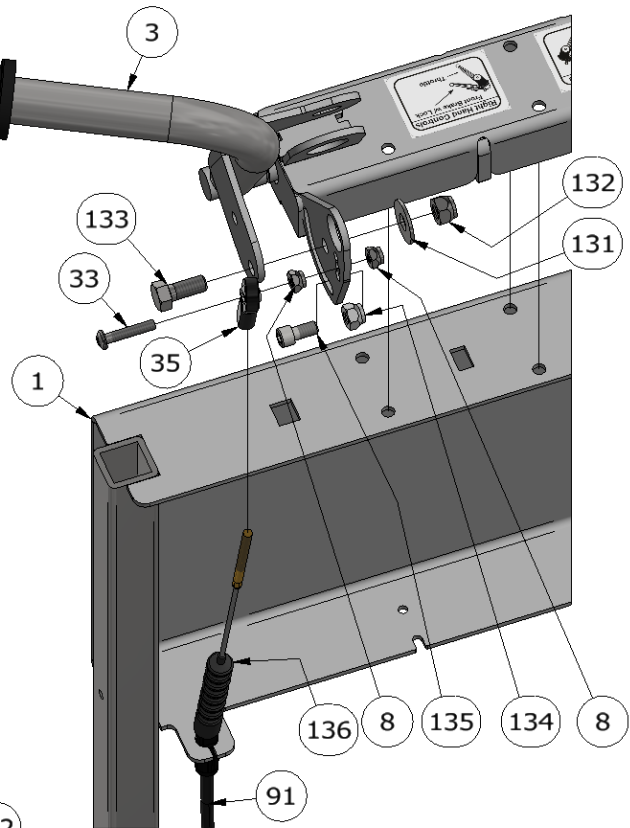
SS. Front Brake

Fig. 29.4

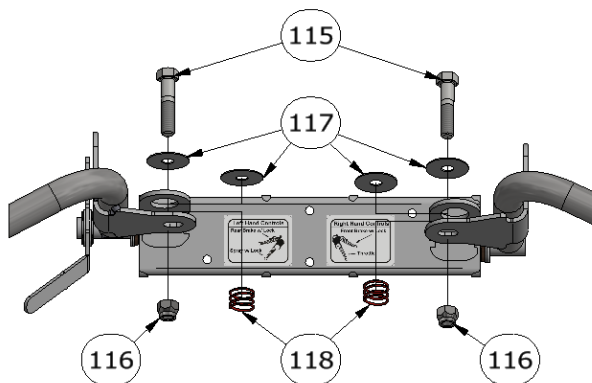
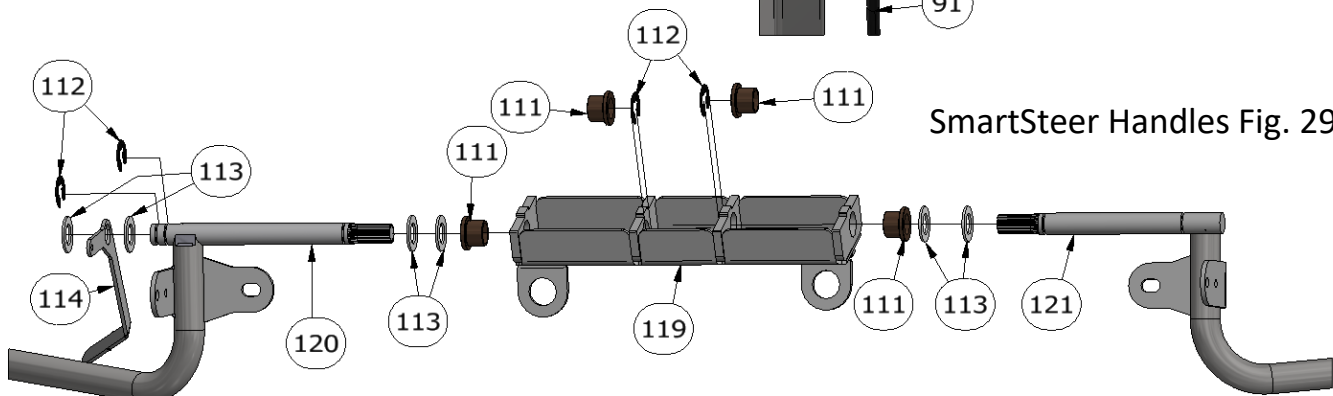
## CABLE AND LEVER SCHEMATIC GROUP

SmartSteer Adjust Fig. 29.5

| PARTS LIST |     |         |                        |
|------------|-----|---------|------------------------|
| ITEM       | QTY | STOCK # | DESCRIPTION            |
| 1          | 1   | T101015 | Handlebar Support      |
| 3          | 1   | T101093 | Handle Assembly        |
| 8          | 2   | R651206 | #10-24 Lock Nut        |
| 33         | 1   | 650402  | #10-24x 1" Phillips MS |
| 35         | 1   | P652465 | 3/16" Tie Rod End      |
| 91         | 1   | T654060 | Smart Steer Cable      |
| 131        | 1   | 651422  | Ø5/16" Washer          |
| 132        | 1   | R651214 | 5/16-18 Hex Lock Nut   |
| 133        | 1   | T650820 | 5/16-18 x3/4" Hex Bolt |
| 134        | 1   | R651216 | Hex Locknut, Ø1/4-20   |
| 135        | 1   | T650910 | SHCS, Ø1/4-20 x 0.5"   |
| 136        | 1   | N/A     | Flexible Cable Jacket  |



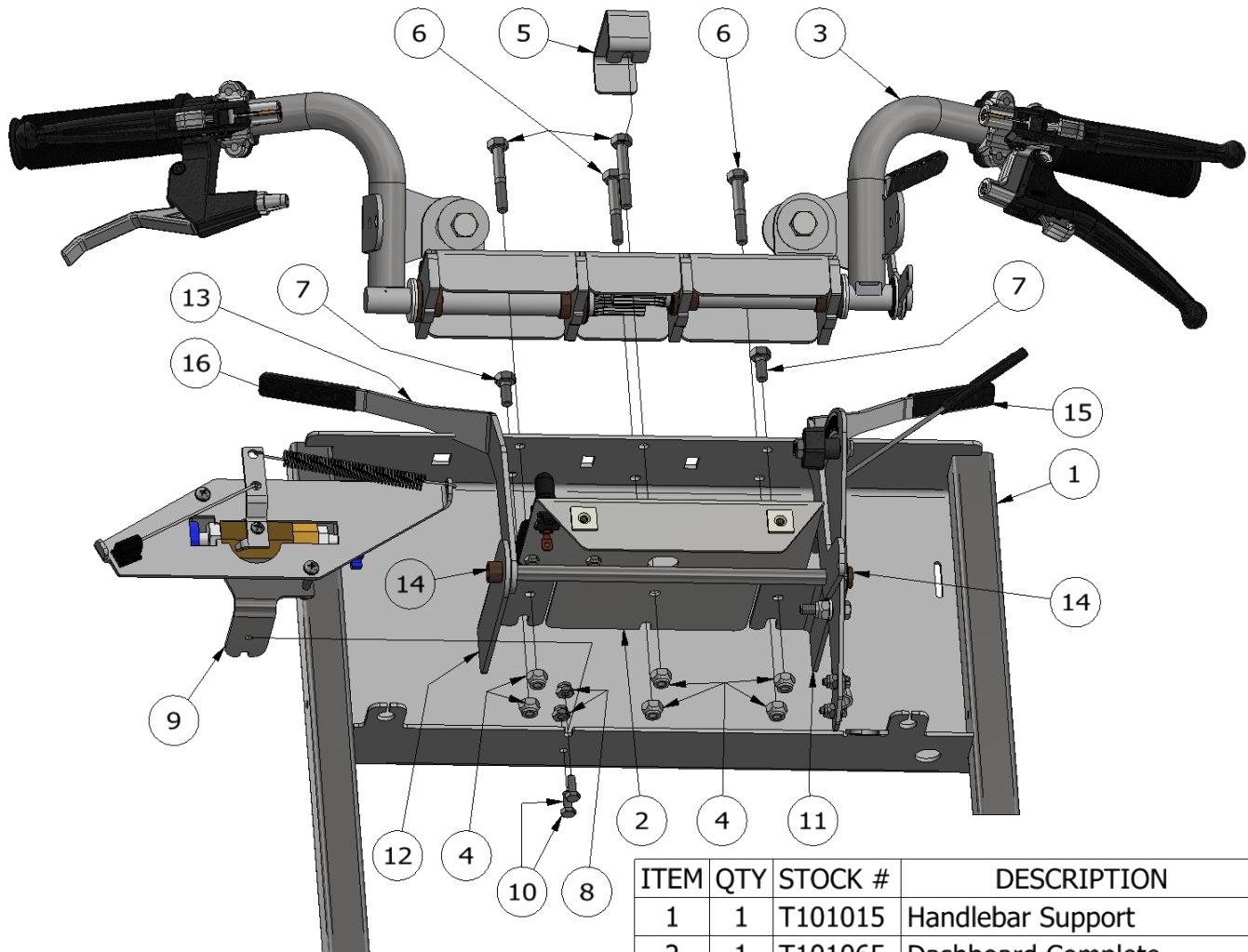
SmartSteer Handles Fig. 29.6



| ITEM | QTY | STOCK # | DESCRIPTION                   |
|------|-----|---------|-------------------------------|
| 111  | 4   | P651975 | Flange Bushing 5/8x3/4x5/8    |
| 112  | 5   | P645205 | 5/8" E-Clip                   |
| 113  | 6   | P651230 | 5/8 Nylon Washer              |
| 114  | 1   | T101500 | Handle Release Lever          |
| 115  | 2   | R650738 | Hex Bolt - Ø3/8-16 x 1.75"    |
| 116  | 2   | P645203 | Hex Locknut Ø3/8-16           |
| 117  | 4   | P651203 | 3/8 x1 1/4 Fender Washer      |
| 118  | 2   | T654544 | Smart Steer Spring            |
| 119  | 1   | T101085 | Triumph Handlebar Housing     |
| 120  | 1   | T101073 | 2015 Left Handlebar Weldment  |
| 121  | 1   | T101077 | 2015 Right Handlebar Weldment |

## CABLE AND LEVER SCHEMATIC GROUP

Handlebar: Handles Fig. 29.7

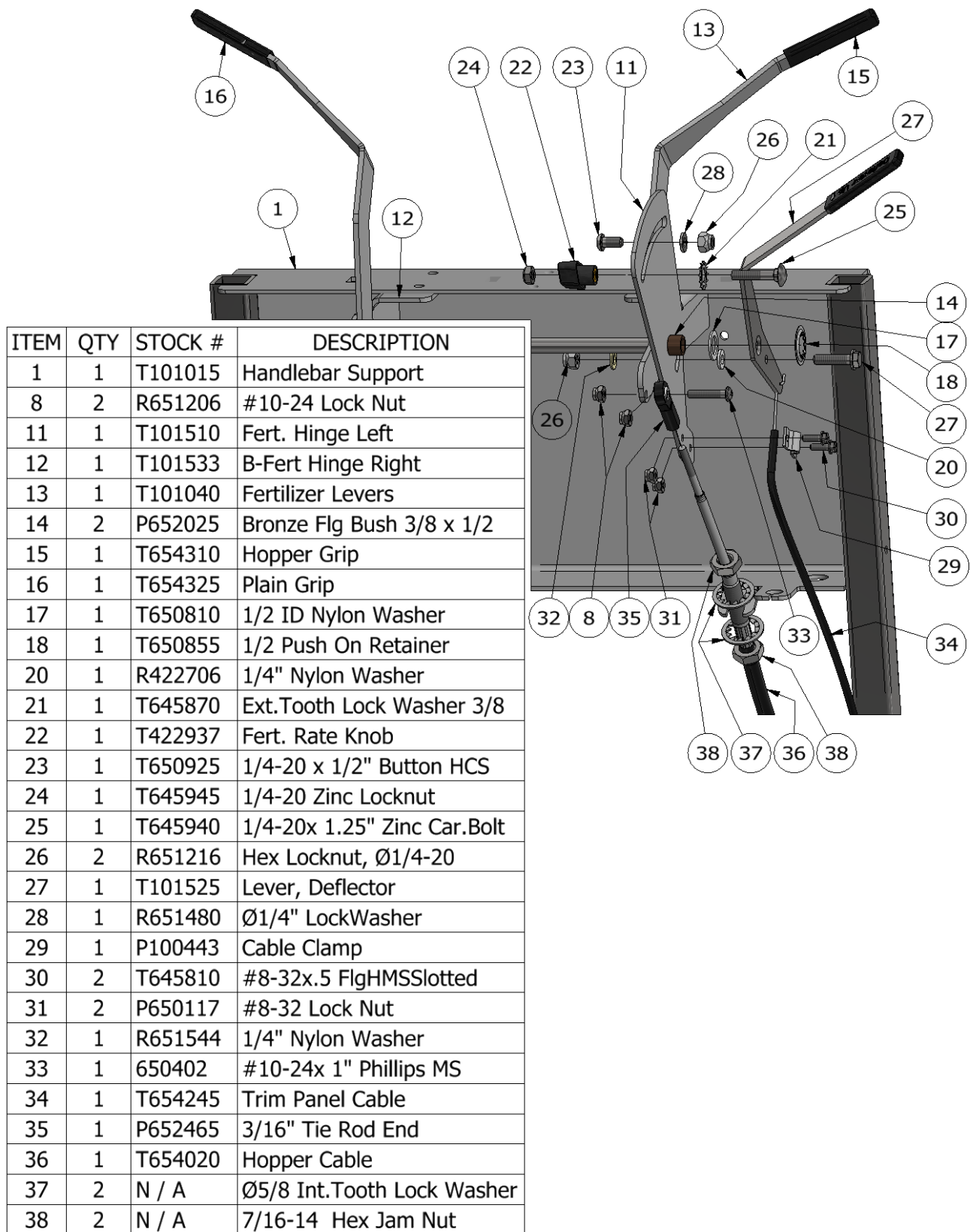


| ITEM | QTY | STOCK # | DESCRIPTION                |
|------|-----|---------|----------------------------|
| 1    | 1   | T101015 | Handlebar Support          |
| 2    | 1   | T101065 | Dashboard Complete         |
| 3    | 1   | T101093 | Handle Assembly            |
| 4    | 7   | R651216 | Hex Locknut, Ø1/4-20       |
| 5    | 1   | T101750 | Cable Loop                 |
| 6    | 4   | T645840 | 1/4-20x1.75 Bolt           |
| 7    | 2   | P651660 | 1/4-20 x0.625 HHCS         |
| 8    | 10  | R651206 | #10-24 Lock Nut            |
| 9    | 1   | T500270 | Spray Valve Bracket Ass'y. |
| 10   | 2   | T645815 | #10-24x 1/2" HHMS          |
| 11   | 1   | T101510 | Fert. Hinge Left           |
| 12   | 1   | T101533 | B-Fert Hinge Right         |
| 13   | 1   | T101040 | Fertilizer Levers          |
| 14   | 2   | P652025 | Bronze Flg Bush 3/8 x 1/2  |
| 15   | 1   | T654310 | Hopper Grip                |
| 16   | 1   | T654325 | Plain Grip                 |



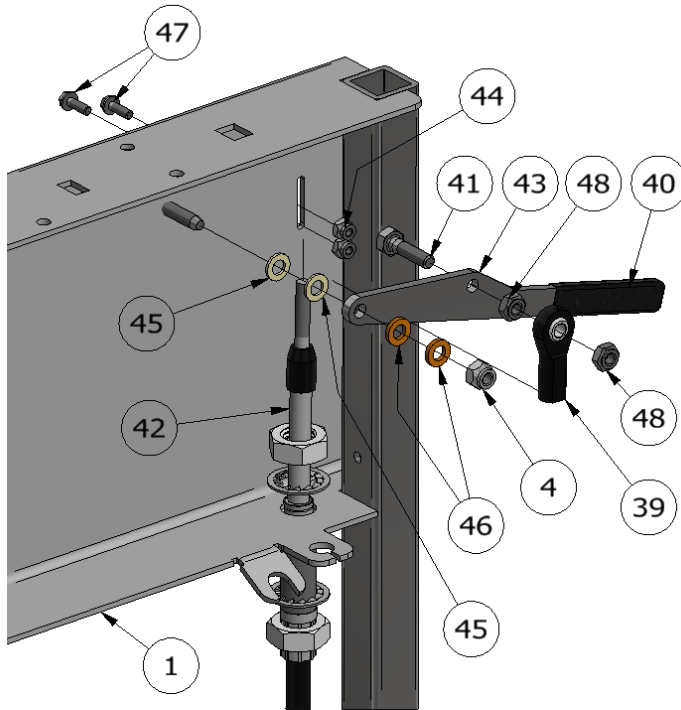
## CABLE AND LEVER SCHEMATIC GROUP

Fertilizer Levers Fig. 29.8



## CABLE AND LEVER SCHEMATIC GROUP

Trans. Shift Fig. 29.9

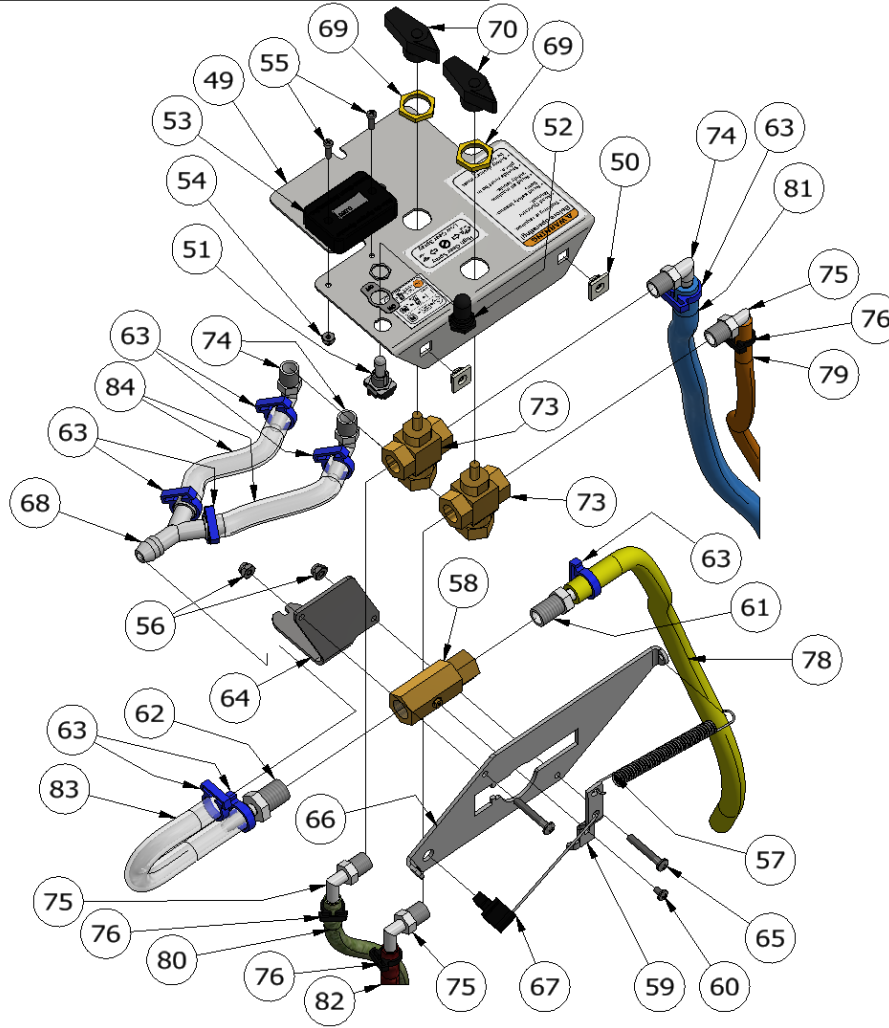


| ITEM | QTY | STOCK # | DESCRIPTION            |
|------|-----|---------|------------------------|
| 1    | 1   | T101015 | Handlebar Support      |
| 4    | 1   | R651216 | Hex Locknut, Ø1/4-20   |
| 39   | 1   | T652480 | Tie Rod 1/4-28         |
| 40   | 1   | T654323 | Shifter Grip           |
| 41   | 1   | P645240 | 1/4-20x1" Hex Bolt     |
| 42   | 1   | T654030 | A-B Shift Cable        |
| 43   | 1   | T101780 | Shift Lever            |
| 44   | 2   | P650117 | #8-32 Lock Nut         |
| 45   | 2   | R651544 | 1/4" Nylon Washer      |
| 46   | 2   | R651560 | 1/4" Soft Washer       |
| 47   | 2   | T645810 | #8-32x.5 FlgHMSSlotted |
| 48   | 2   | T645945 | 1/4-20 Zinc Locknut    |

## CABLE AND LEVER SCHEMATIC GROUP

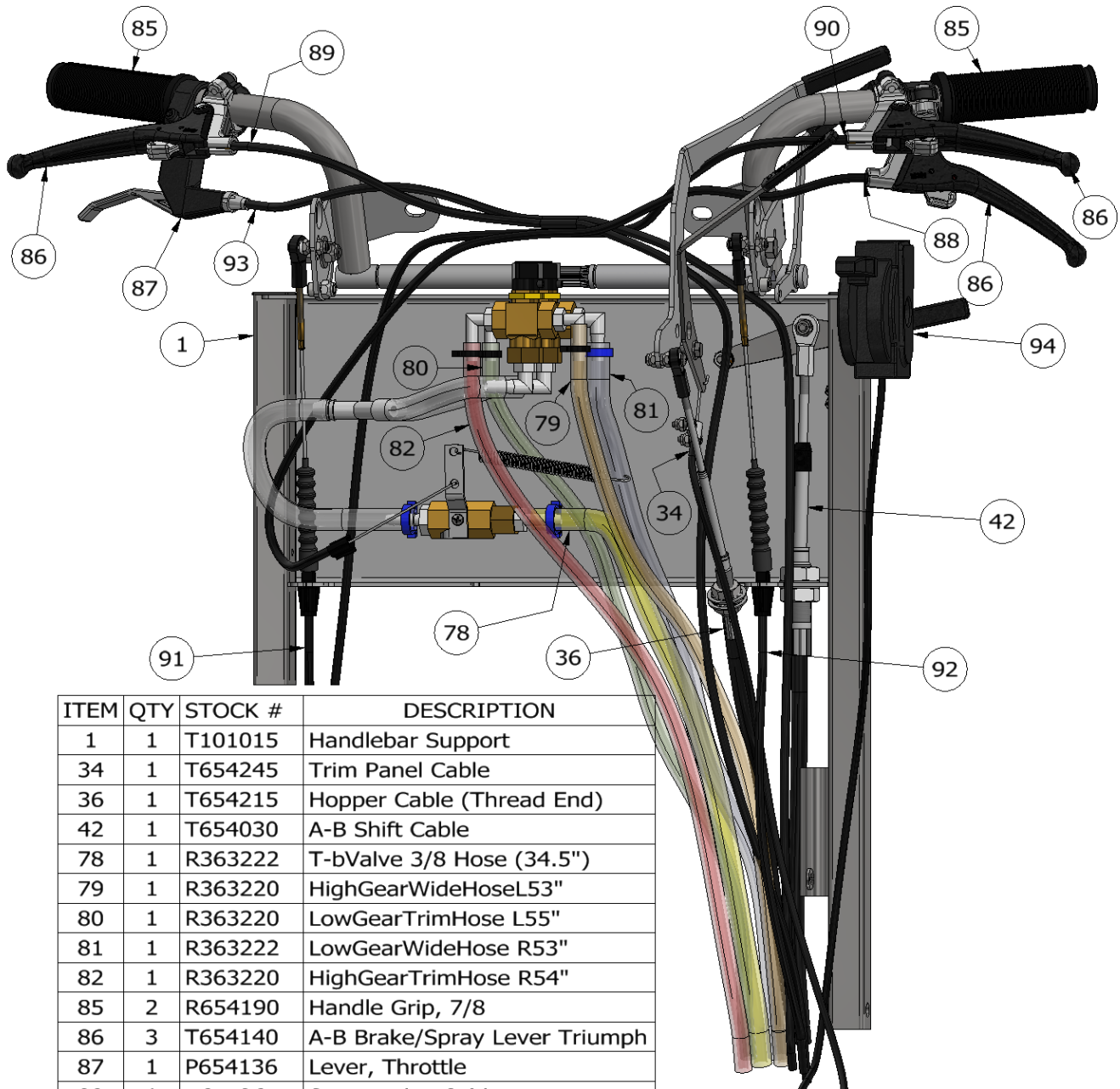
Spray Valves Fig. 29.10

| ITEM | QTY | STOCK # | DESCRIPTION               | ITEM | QTY | STOCK # | DESCRIPTION                 |
|------|-----|---------|---------------------------|------|-----|---------|-----------------------------|
| 49   | 1   | T101065 | Dashboard (w/Labels)      | 62   | 1   | T454245 | Fitting 3/8mpt x 3/8 Hose   |
| 50   | 2   | P645100 | Nut, Square Nylon         | 63   | 8   | R481243 | Hose Clamp, #38             |
| 51   | 1   | R344336 | Kill Switch               | 68   | 1   | T454225 | Y 3/8 Fitting               |
| 52   | 1   | 300125  | 03' - Boot Seal Toggle    | 69   | 2   | T454242 | Brass Lock Nut              |
| 53   | 1   | R654555 | Kill/Hour Meter           | 70   | 2   | T454241 | 701 Handle w/Set Screw      |
| 54   | 2   | P650115 | #6-32 LockNut             | 73   | 2   | T454240 | 701 Selector Valve          |
| 55   | 2   | P650110 | #6-32 x 1/2" Phillips MS  | 74   | 3   | R454023 | L-Fitting .25mpt x .38 Hose |
| 56   | 2   | R651206 | #10-24 Lock Nut           | 75   | 3   | R454022 | L-Fitting 1/4mpt x 1/4 Hose |
| 57   | 1   | P205020 | Spring, 3"                | 76   | 3   | R481246 | Hose Clamp, #26             |
| 64   | 1   | T101800 | Valve Bracket, Rear       | 78   | 1   | R363222 | T-bValve 3/8 Hose (34.5")   |
| 65   | 2   | T651270 | #10-24 x 1 1/4" Phil.MS   | 79   | 1   | R363220 | HighGearWideHoseL53"        |
| 66   | 1   | T101795 | Valve Bracket Front       | 80   | 1   | R363220 | LowGearTrimHose L55"        |
| 67   | 1   | T654265 | Spray Cable End Holder    | 81   | 1   | R363222 | LowGearWideHose R53"        |
| 58   | 1   | P205010 | Ball Valve X              | 82   | 1   | R363220 | HighGearTrimHose R54"       |
| 59   | 1   | P205010 | Ball Valve Handle         | 83   | 1   | R363222 | Valve-Y 3/8" Hose (10.25")  |
| 60   | 1   | N/A     | #8-36x 1/4" CrossPanMS    | 84   | 2   | R363222 | Y-Selector 3/8 Hose (4")    |
| 61   | 1   | R452222 | Fitting 1/4mpt x 3/8 Hose |      |     |         |                             |



## CABLE AND LEVER SCHEMATIC GROUP

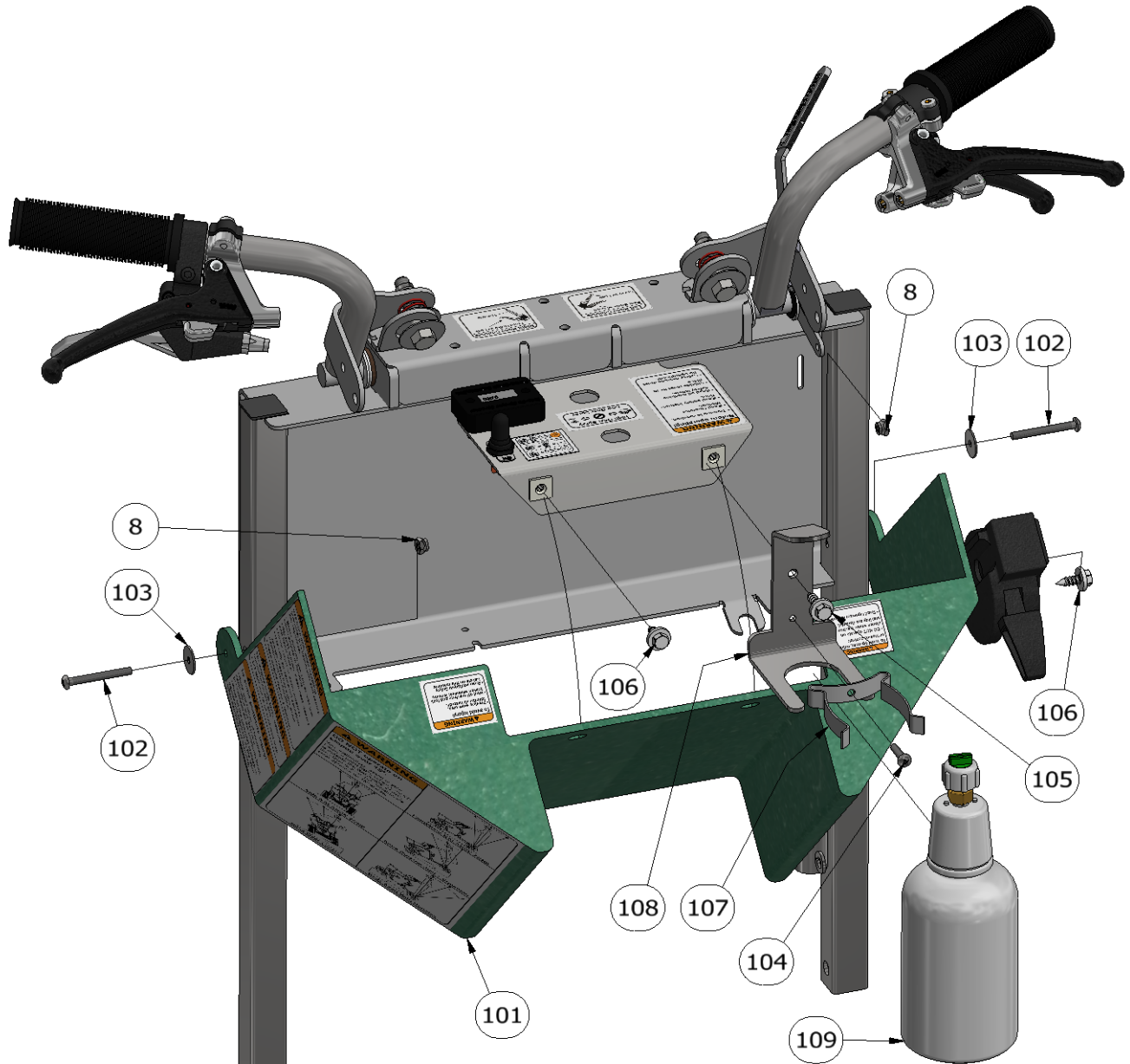
Cable & Hose Fig. 29.11



| ITEM | QTY | STOCK # | DESCRIPTION                   |
|------|-----|---------|-------------------------------|
| 1    | 1   | T101015 | Handlebar Support             |
| 34   | 1   | T654245 | Trim Panel Cable              |
| 36   | 1   | T654215 | Hopper Cable (Thread End)     |
| 42   | 1   | T654030 | A-B Shift Cable               |
| 78   | 1   | R363222 | T-bValve 3/8 Hose (34.5")     |
| 79   | 1   | R363220 | HighGearWideHoseL53"          |
| 80   | 1   | R363220 | LowGearTrimHose L55"          |
| 81   | 1   | R363222 | LowGearWideHose R53"          |
| 82   | 1   | R363220 | HighGearTrimHose R54"         |
| 85   | 2   | R654190 | Handle Grip, 7/8              |
| 86   | 3   | T654140 | A-B Brake/Spray Lever Triumph |
| 87   | 1   | P654136 | Lever, Throttle               |
| 88   | 1   | T654265 | Spray Valve Cable             |
| 89   | 1   | T654250 | Cable: Trans.Brakes           |
| 90   | 1   | T654040 | Sulky Brake Cable             |
| 91   | 1   | T654060 | Smart Steer Cable             |
| 92   | 1   | T654060 | Smart Steer Cable             |
| 93   | 1   | T654270 | Throttle Cable                |
| 94   | 1   | T654220 | Third Hole Lever & Cable      |

## CABLE AND LEVER SCHEMATIC GROUP

Handlebar Cover Fig. 29.12

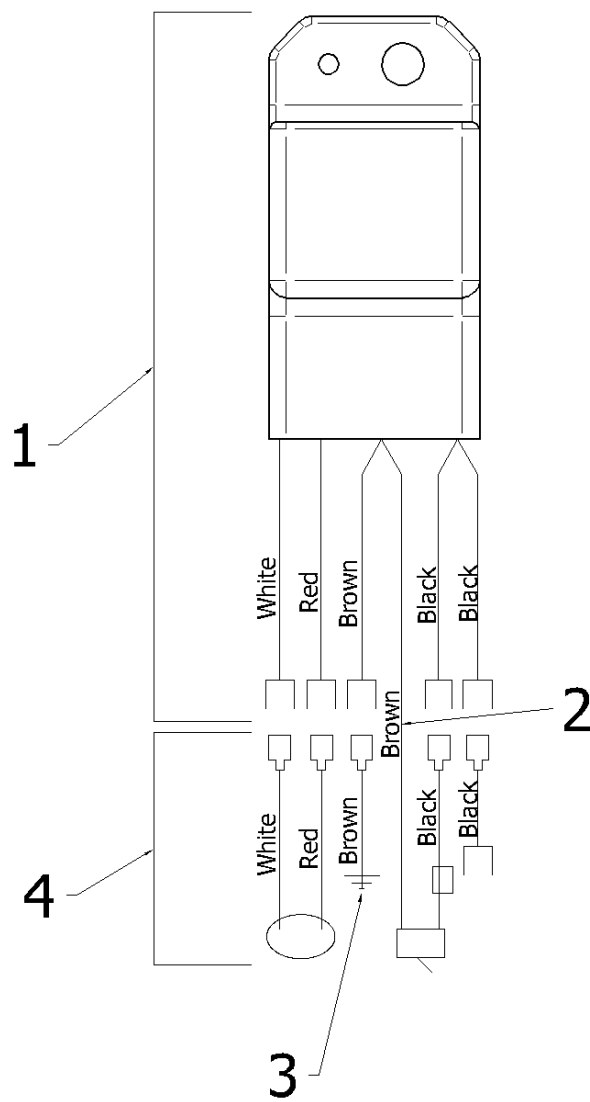


| ITEM | QTY | STOCK # | DESCRIPTION                |
|------|-----|---------|----------------------------|
| 8    | 2   | R651206 | #10-24 Lock Nut            |
| 101  | 1   | T101935 | Handle Bar Cover-Complete  |
| 102  | 2   | 650404  | #10-24x 1 3/4" Phil. MS    |
| 103  | 2   | R651450 | 3/16"x 3/4" FenderWasher   |
| 104  | 1   | R650400 | #10-24x0.75 Phil Rnd MS    |
| 105  | 1   | P645101 | #14 Screw 1" w/Seal Washer |
| 106  | 2   | P645103 | Screw #14 w/Seal Wash 3/4  |
| 107  | 1   | T101820 | Tool Holder Squeeze&Spray  |
| 108  | 1   | T101785 | Squeeze and Spray Holder   |
| 109  | 1   | R372034 | Squeeze & Spray Bottle     |



## ELECTRICAL SCHEMATIC GROUP

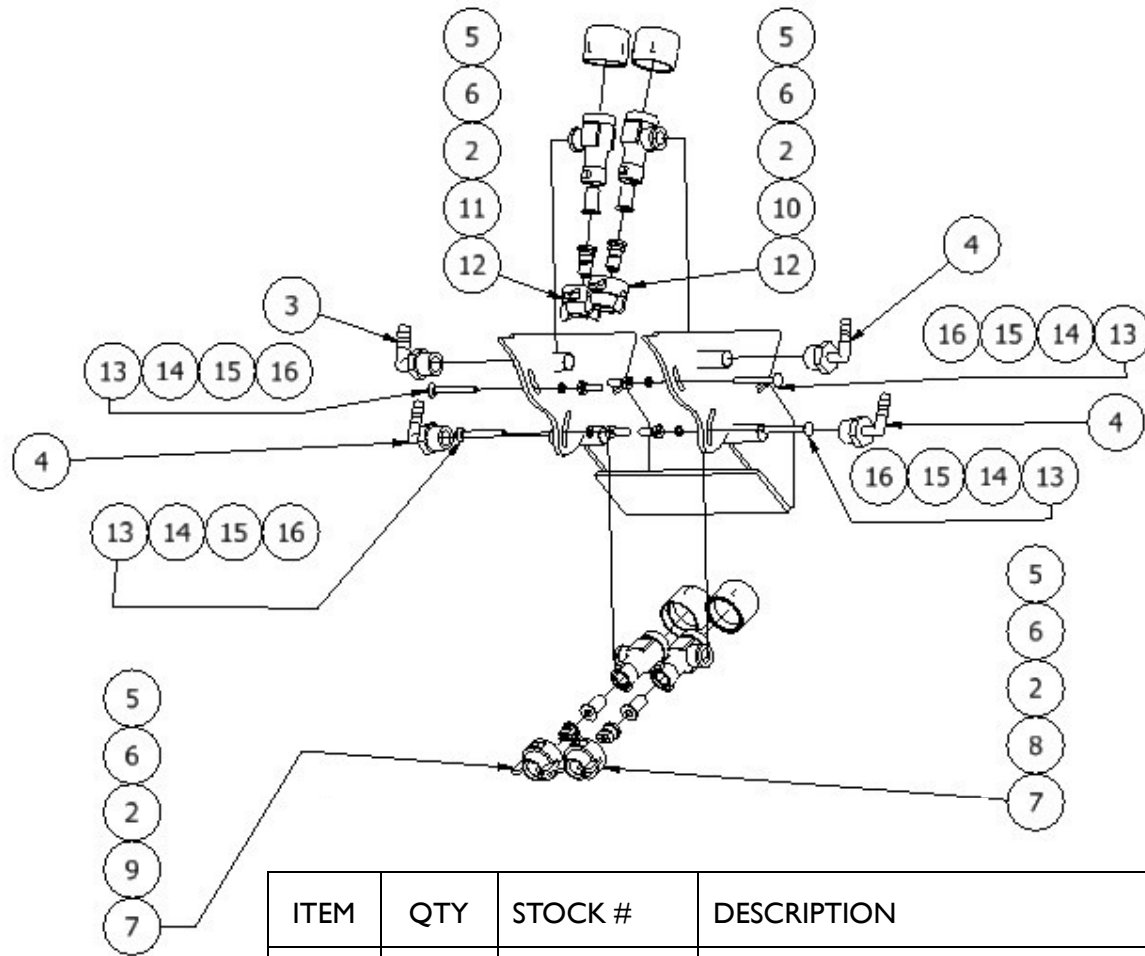
Fig. 30.1



| # | Part#   | Description            |
|---|---------|------------------------|
| 1 | T300307 | Starting Module        |
| 2 | T300297 | Kill Switch Wire       |
| 3 | T300300 | Ground Wire            |
| 4 | T300309 | Wire Harness-Lead Only |

## SPRAYER SCHEMATIC GROUP

Fig. 31.1

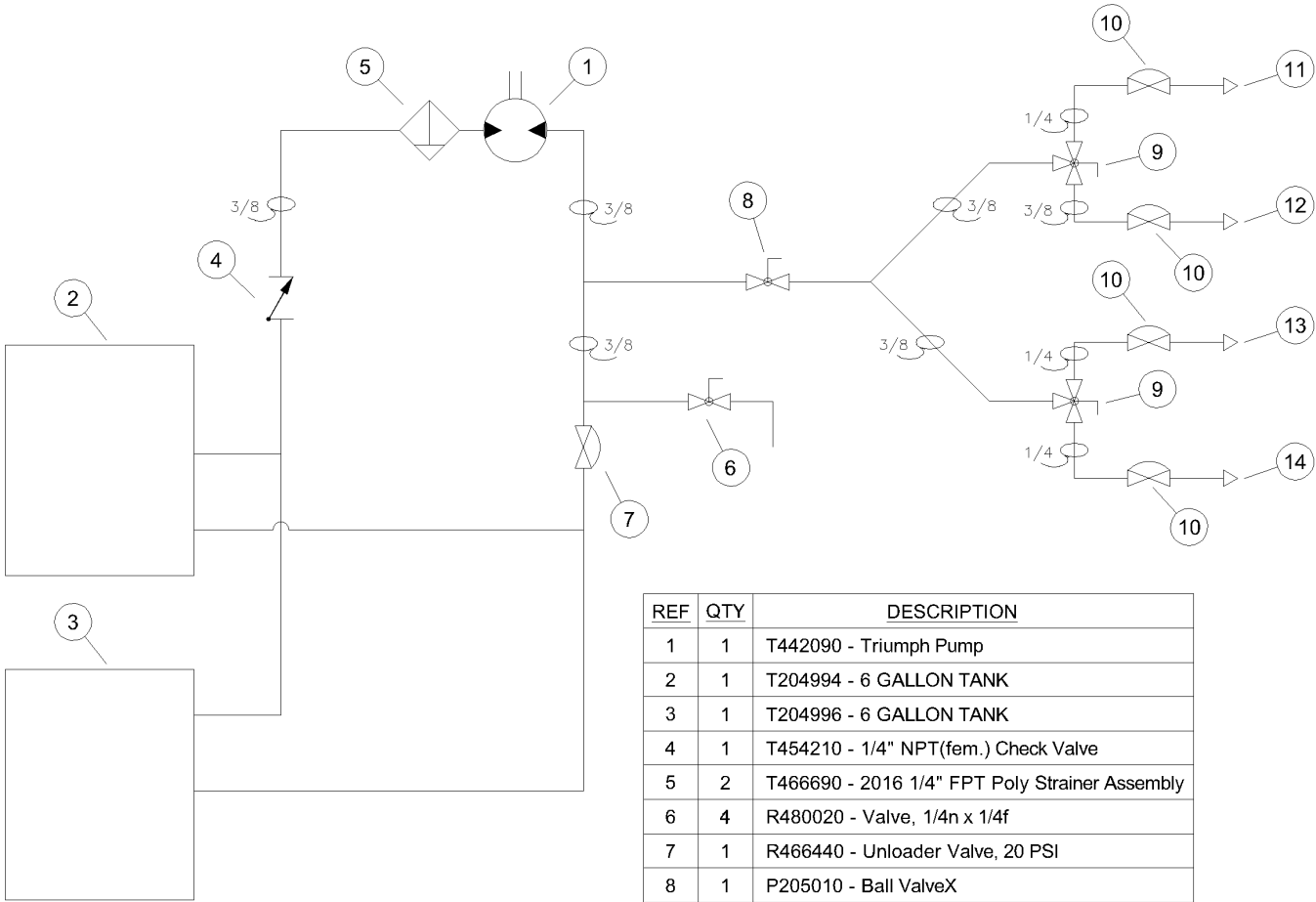


| ITEM | QTY | STOCK # | DESCRIPTION                               |
|------|-----|---------|-------------------------------------------|
| 1    | 1   | T101004 | BIB Frame                                 |
| 2    | 4   | R464724 | Nozzle Strainer, 50 Mesh                  |
| 3    | 1   | T454235 | 1/4 ftp x 3/8 hb L                        |
| 4    | 3   | T454230 | 1/4 ftp x 1/4 hb L                        |
| 5    | 4   | R654250 | Cap, 1 - 1/4 x 1                          |
| 6    | 4   | R466222 | Nozzle Body 8 psi                         |
| 7    | 2   | T466691 | Cap & Gasket Green                        |
| 8    | 1   | T205043 | Nozzle Trim, High Speed Red               |
| 9    | 1   | T205041 | Nozzle Trim, Low Speed Blue               |
| 10   | 1   | T205037 | Nozzle Wide, High Speed Green             |
| 11   | 1   | T205039 | Nozzle Wide, Low Speed White              |
| 12   | 2   | T466693 | Cap & Gasket Yellow                       |
| 13   | 4   | T650947 | #10-24 x 1-3/4" Square Neck Carriage Bolt |
| 14   | 4   | M701300 | #10 Lock washer                           |
| 15   | 4   | T651243 | #10-24 Nut                                |
| 16   | 4   | T654287 | Cap 1/8 - 3/16 x 1/2"                     |

SPRAYER SCHEMATIC GROUP

Fig. 31.2

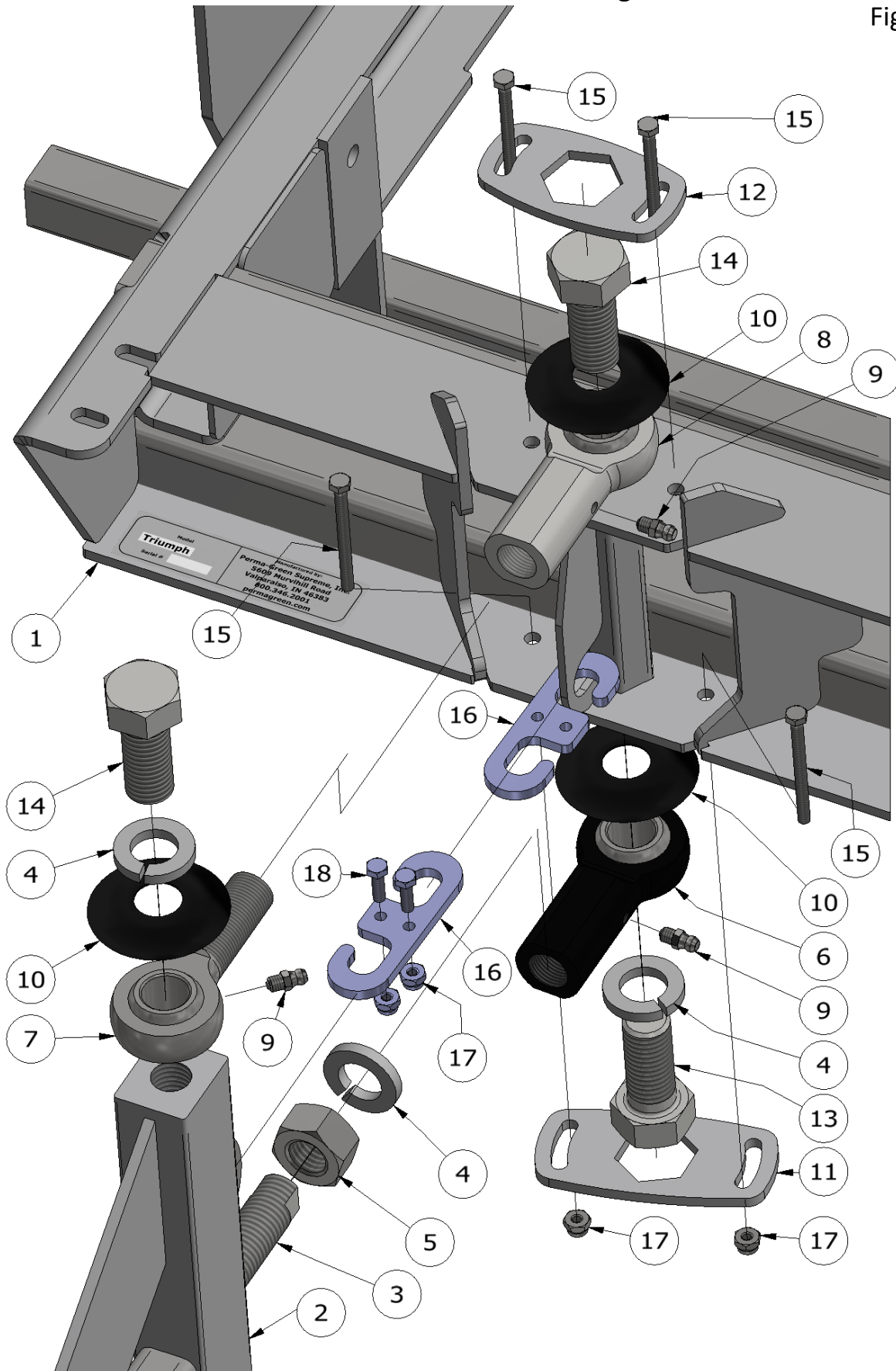
PLUMBING SCHEMATIC



| REF | QTY | DESCRIPTION                                    |
|-----|-----|------------------------------------------------|
| 1   | 1   | T442090 - Triumph Pump                         |
| 2   | 1   | T204994 - 6 GALLON TANK                        |
| 3   | 1   | T204996 - 6 GALLON TANK                        |
| 4   | 1   | T454210 - 1/4" NPT(fem.) Check Valve           |
| 5   | 2   | T466690 - 2016 1/4" FPT Poly Strainer Assembly |
| 6   | 4   | R480020 - Valve, 1/4n x 1/4f                   |
| 7   | 1   | R466440 - Unloader Valve, 20 PSI               |
| 8   | 1   | P205010 - Ball ValveX                          |
| 9   | 2   | T454240 - 701 Selector Valve                   |
| 10  | 4   | R466222 - Nozzle Body 8 psi                    |
| 11  | 1   | T205041 - Nozzle Trim, Low Speed               |
| 12  | 1   | T205039 - Nozzle Wide, Low Speed               |
| 13  | 1   | T205043 - Nozzle Trim, High Speed              |
| 14  | 1   | T205037 - Nozzle Wide, High Speed              |

# SULKY SCHEMATIC GROUP—Articulating Schematic

Fig. 32.1



## SULKY SCHEMATIC GROUP-Articulating Schematic

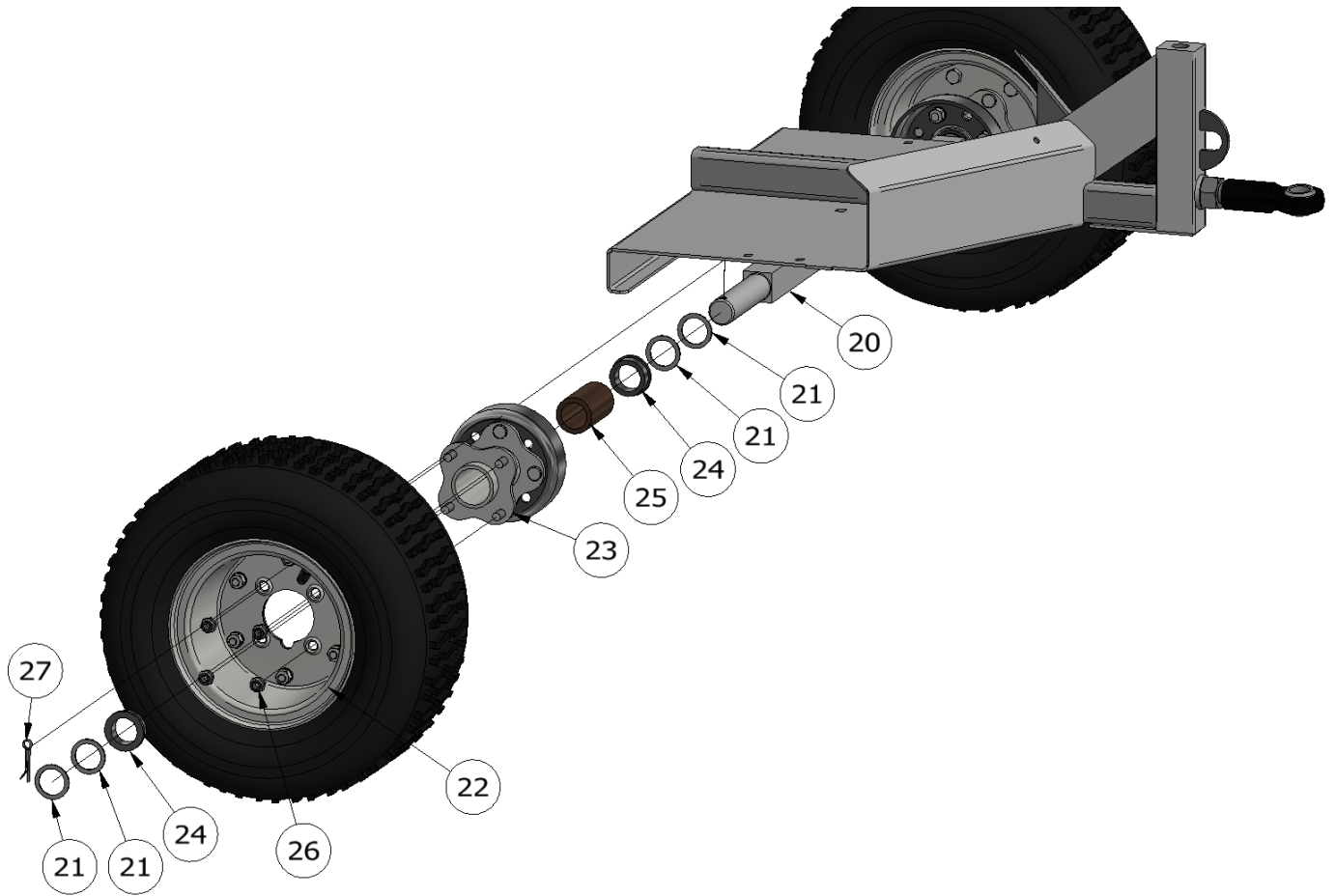
Fig. 32.2

| ITEM | QTY | STOCK # | DESCRIPTION                               |
|------|-----|---------|-------------------------------------------|
| 1    | 1   | T101004 | Frame                                     |
| 2    | 1   | N/A     | Sulky Gooseneck (Not Sold-Welded on Sulky |
| 3    | 1   | T101463 | 3/4" B-Stud                               |
| 4    | 3   | R651485 | 3/4" Lock Washer                          |
| 5    | 1   | R651100 | 3/4-16 Hex Nut                            |
| 6    | 1   | T652662 | 3/4 Rod End Female                        |
| 7    | 1   | T652663 | 3/4 Rod End Male                          |
| 8    | 1   | T652662 | 3/4 Rod End Female                        |
| 9    | 3   | T652668 | Grease Zerk                               |
| 10   | 3   | R652478 | Road End Seal                             |
| 11   | 1   | T101715 | Lower Bolt Lock                           |
| 12   | 1   | T101717 | Upper Bolt Lock                           |
| 13   | 1   | P650948 | 3/4-10 x 1-3/4 SS Bolt                    |
| 14   | 2   | T650800 | 3/4-10 x 1-3/4" Zinc Bolt                 |
| 15   | 4   | T650410 | #10-24 x 2-1/4 Bolt                       |
| 16   | 2   | T101767 | Safety Link                               |
| 17   | 6   | R651206 | #10-24 Lock Nut                           |
| 18   | 2   | T645820 | #10-24 X 5/8 BOLT                         |



## SULKY SCHEMATIC GROUP

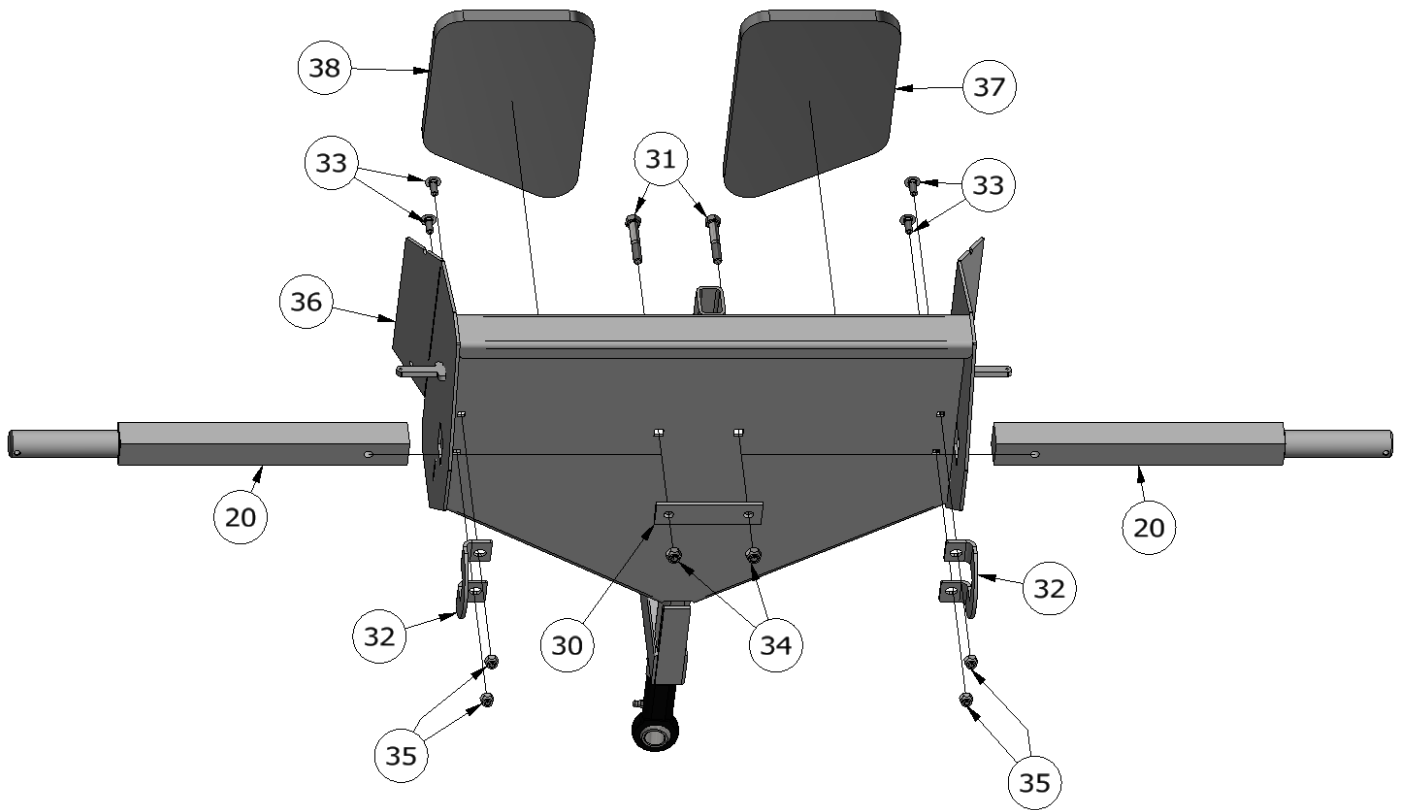
Fig. 32.3



| ITEM | QTY | STOCK #    | DESCRIPTION              |
|------|-----|------------|--------------------------|
| 20   | 2   | T101419    | Axle 1"                  |
| 21   | 8   | P651512    | Washer 1" x 18 Ga        |
| 22   | 2   | T654675    | Small 1" Hub Tire Resale |
| 23   | 2   | T654750    | 1" Hub Drum Assembly     |
| 24   | 4   | T654750.02 | 1" Hub Retainer          |
| 25   | 2   | T654750.01 | 1" Hub Roller bearing    |
| 26   | 8   | R651400    | 5/16 Lug Nut             |
| 27   | 2   | T651605    | 3/16-1 1/4 Cotter Pin    |

## SULKY SCHEMATIC GROUP

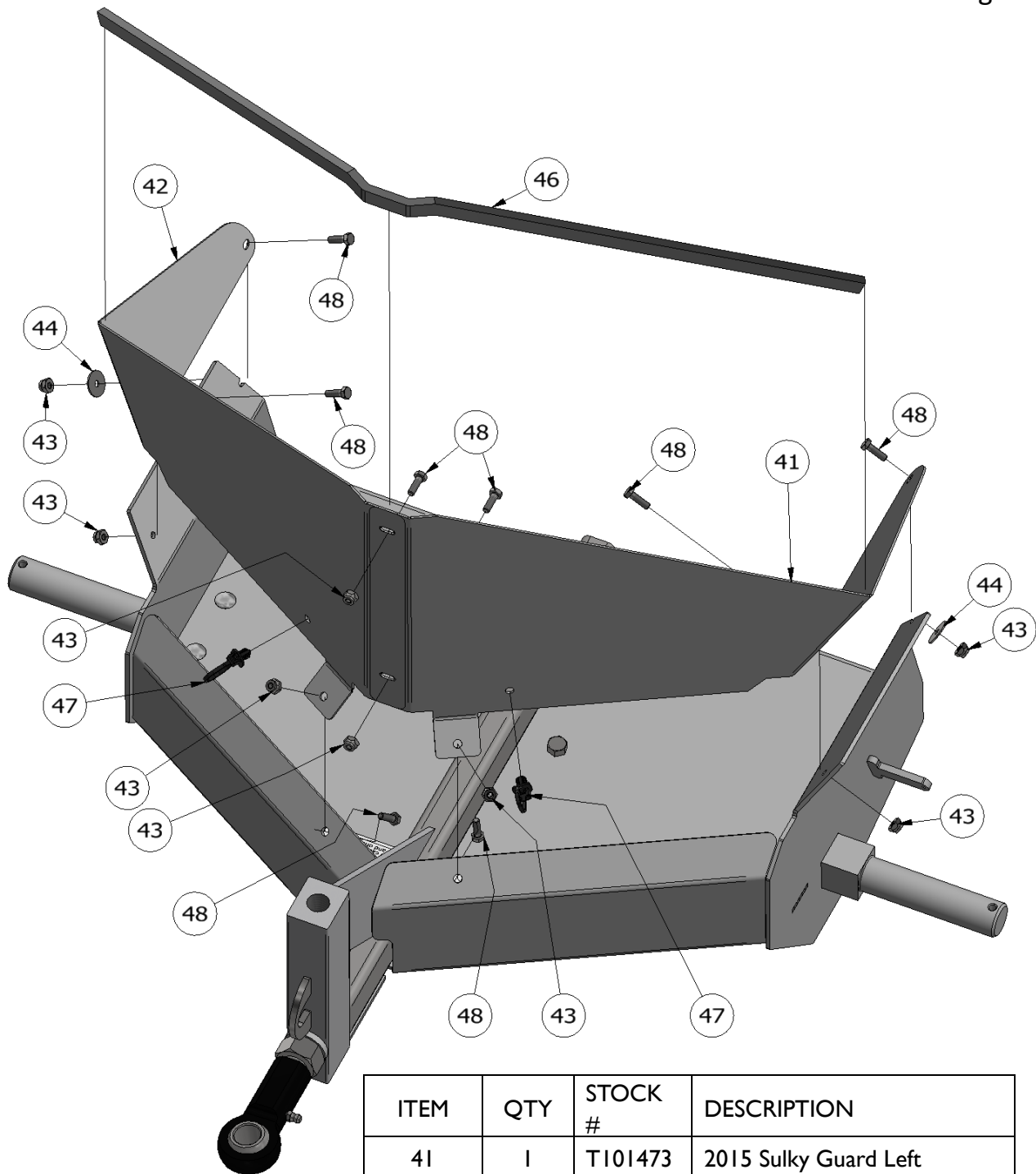
Fig. 32.4



| ITEM | QTY | STOCK # | DESCRIPTION                 |
|------|-----|---------|-----------------------------|
| 20   | 2   | TI01419 | Axle 1"                     |
| 30   | 1   | TI01467 | Sulky Axle Strap            |
| 31   | 2   | R650672 | 5/16-18x 2" Hex Bolt        |
| 32   | 2   | TI01457 | Axle Strap                  |
| 33   | 4   | T650935 | 1/4-20 x 5/8" Carriage Bolt |
| 34   | 2   | R651214 | 5/16-18 Hex Lock Nut        |
| 35   | 4   | R651216 | Locknut, 1/4-20             |
| 36   | 1   | TI01052 | Sully EIE                   |
| 37   | 1   | P210125 | Right Sulky Pad Assembly    |
| 38   | 1   | P210120 | Left Sulky Pad Assembly     |

## SULKY SCHEMATIC GROUP

Fig. 32.5



| ITEM | QTY | STOCK # | DESCRIPTION               |
|------|-----|---------|---------------------------|
| 41   | 1   | T101473 | 2015 Sulky Guard Left     |
| 42   | 1   | T101477 | 2015 Sulky Guard Right    |
| 43   | 8   | R651206 | #10-24 Lock Nut           |
| 44   | 2   | R651450 | 3/16"x 3/4" Fender Washer |
| 45   | 1   | T000147 | Sulky Guard Sticker       |
| 46   | 1   | T654450 | Sulky Guard Trim          |
| 47   | 2   | R347042 | Wire Tie, Stud            |
| 48   | 8   | T645820 | #10-24x 5/8" bolt         |

