



## Muncie SS66 Series PTO Parts & Service Manual

Pro Gear presents Muncie SS66 Series PTO Parts & Service Manual to assist in identifying the parts for your Muncie Power Take Off unit.

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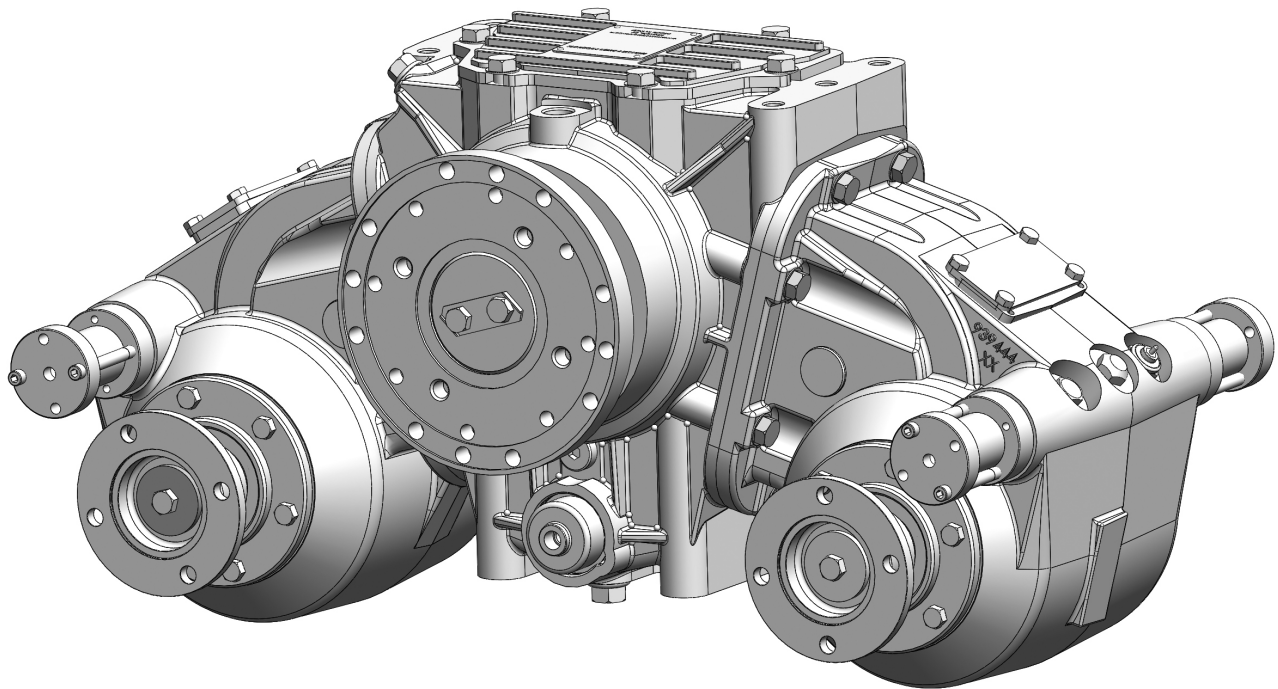
# **SS66/SS88**

## **SPLIT SHAFT PTO**

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### **PARTS LIST AND SERVICE MANUAL**

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Auxiliary PTO's are an example installation and are not included with Split Shaft PTO.



# MODEL NUMBER CONSTRUCTION

**SS-66-U2-X3-A 00 XX X**

## Split Shaft:

SS = Split Shaft

## Series:

66 = 6-Bolt Opening (U60)

88 = 8-Bolt Opening (U68)

## Torque Rating:

U2 = 2,900 lb.ft. (SS66)

14 = 14,000 lb.ft. (SS88)

21 = 21,000 lb.ft. (SS88)

## Main Shaft Flange Selection:

X2 = 1410/DIN 20 (SS66)

X3 = 1480 & 1550 (SS66)

X5 = 1550, 1610, 1710 & 1810 (SS88)

XC = 1610, 1710 & 1810 (SS88)

## Special Features:

X = None

## Speed Options:

XX = None

## PTO Mounting:

00 = Both Openings Covered

## Shift Options:

A = Manual Air 12V

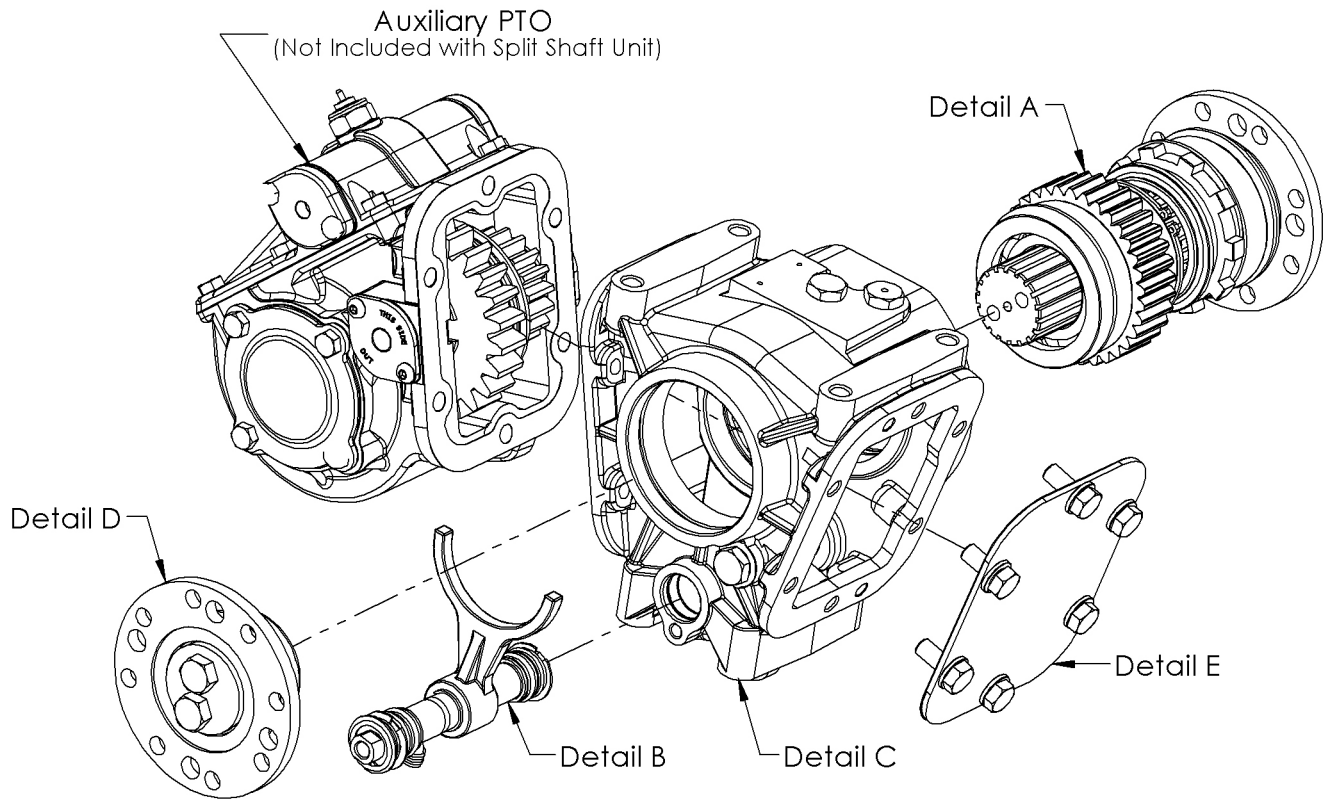
C = Cable Control (SS66 Only)\*

E = Electric/Air 12V

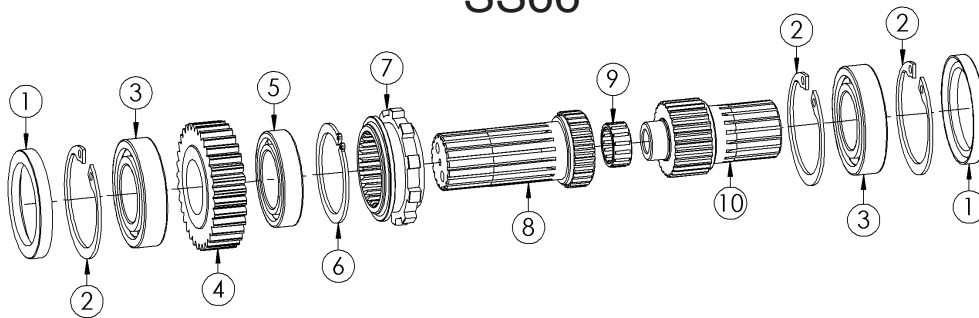
H = Hydraulic 12V



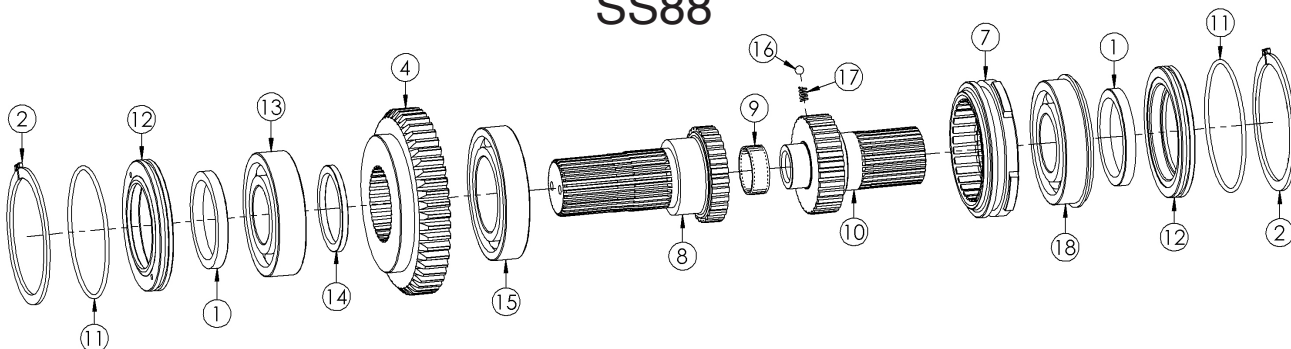
# SS66/SS88 EXPLODED VIEW (SS66 Shown)



## Detail A – Main Shaft Assembly SS66



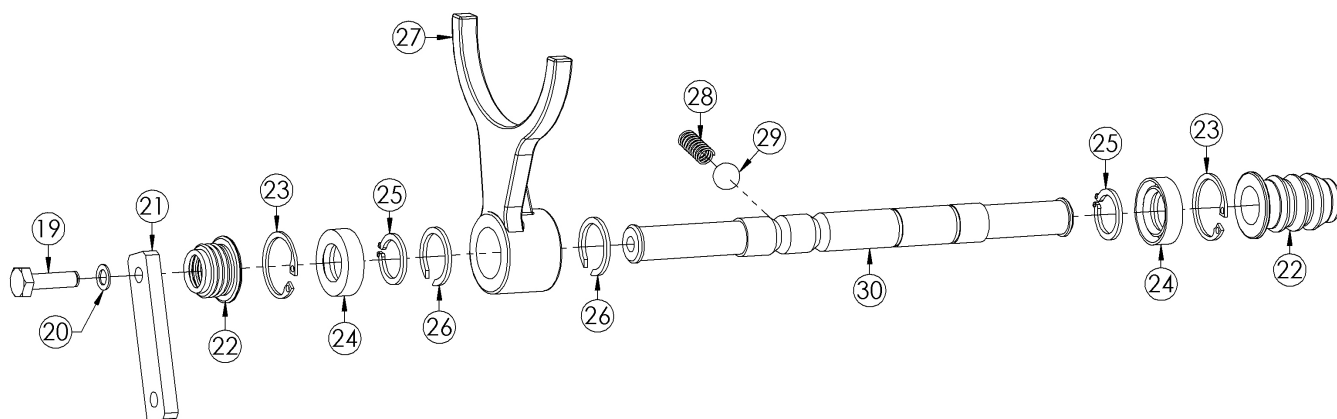
## SS88



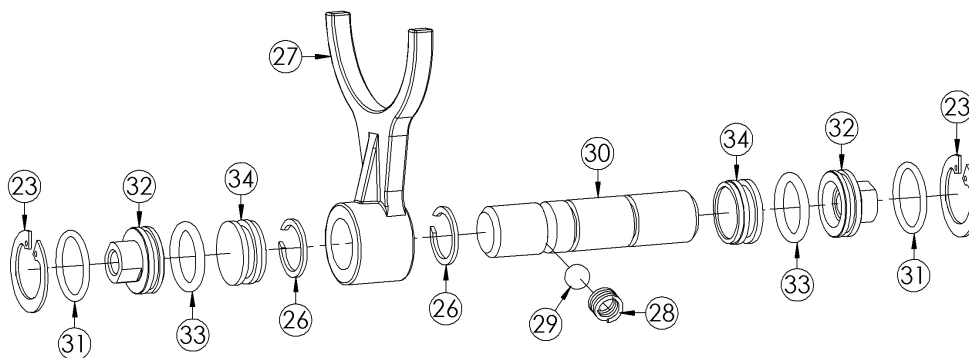
\*Item 14 is a spacer that is only used with the SS88 – 21 shaft assembly.

## DETAIL B – SHIFTER ASSEMBLY

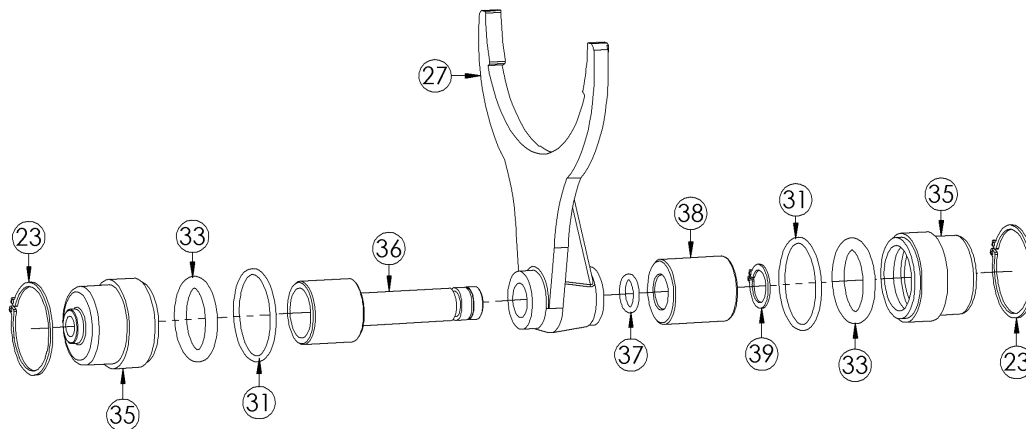
### SS66 – Cable Shift Assembly



### SS66 – Air Shift Assembly



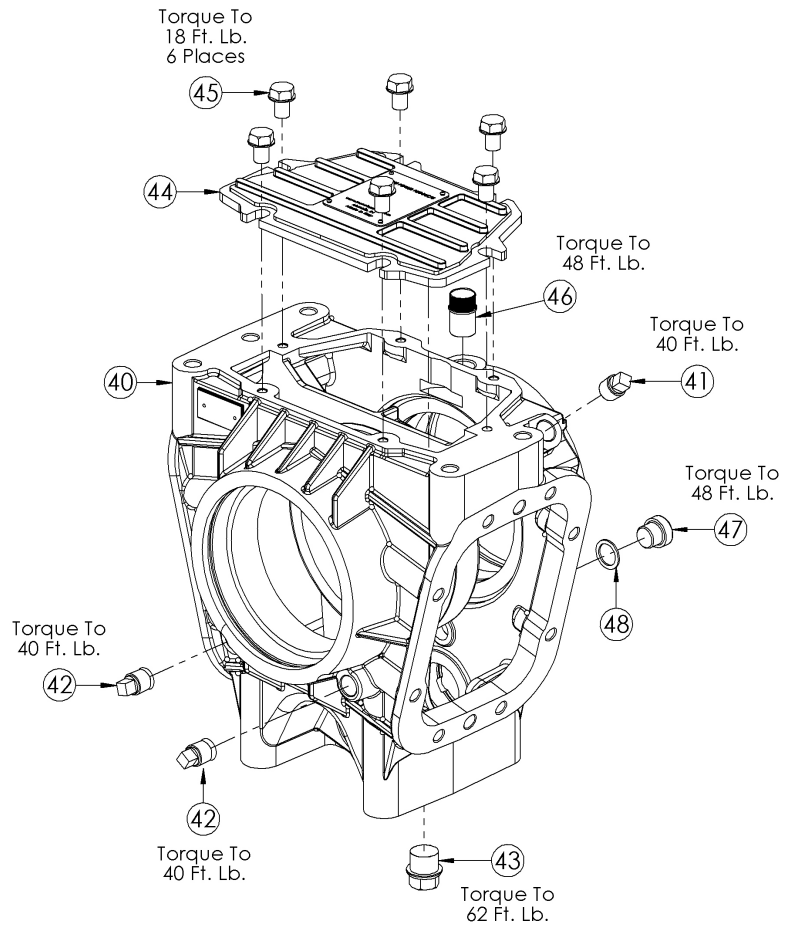
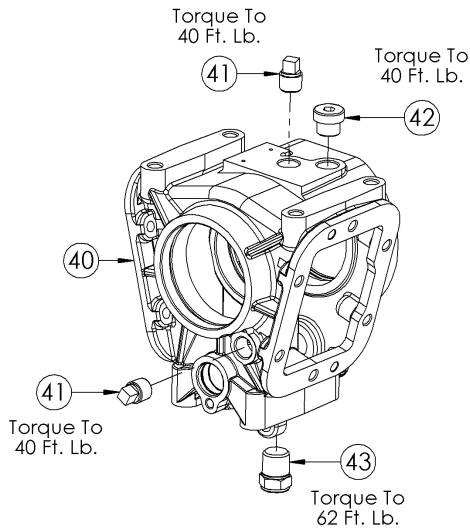
### SS88 – Shift Assembly



## DETAIL C – PTO HOUSING

SS66

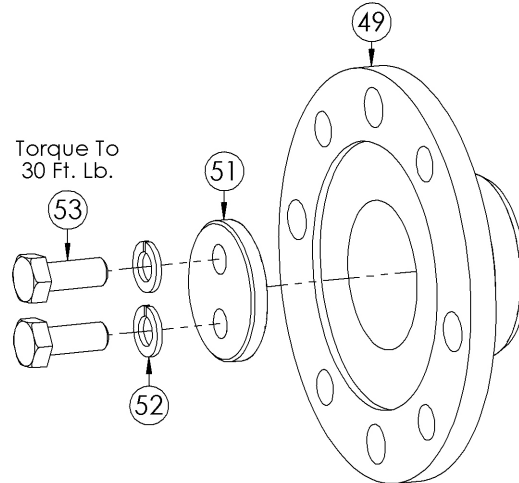
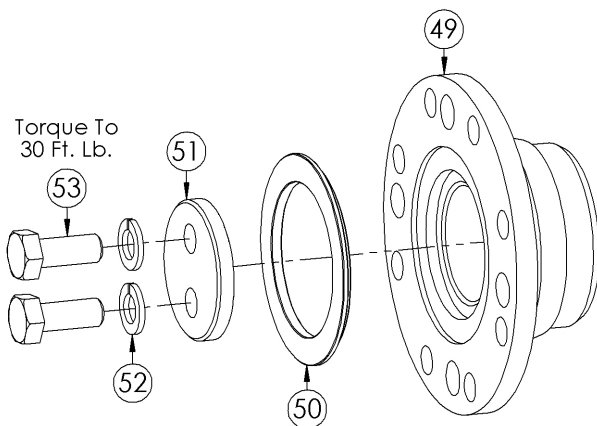
SS88



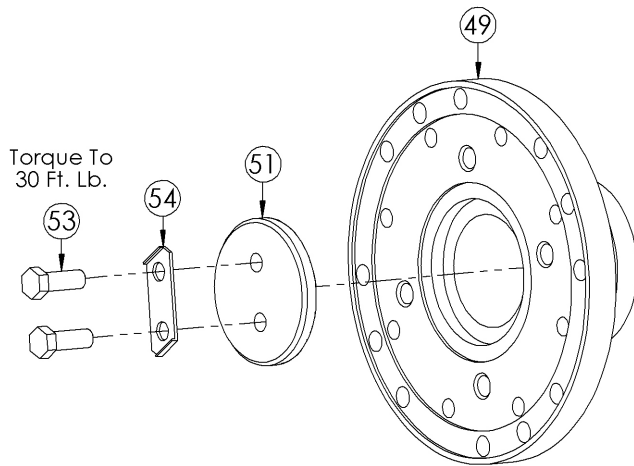
## DETAIL D – PTO HOUSING

SS66 – 1410/DIN 20 Flange

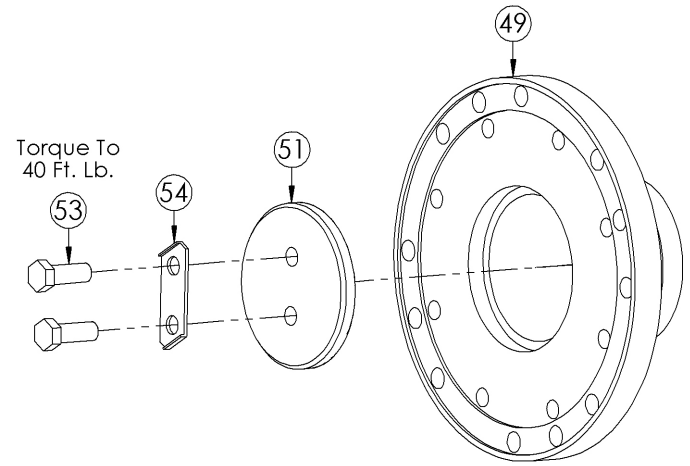
SS66 – 1480/1550 Flange



## SS88 – 14 – 1550, 1610, 1710 & 1810 Flange



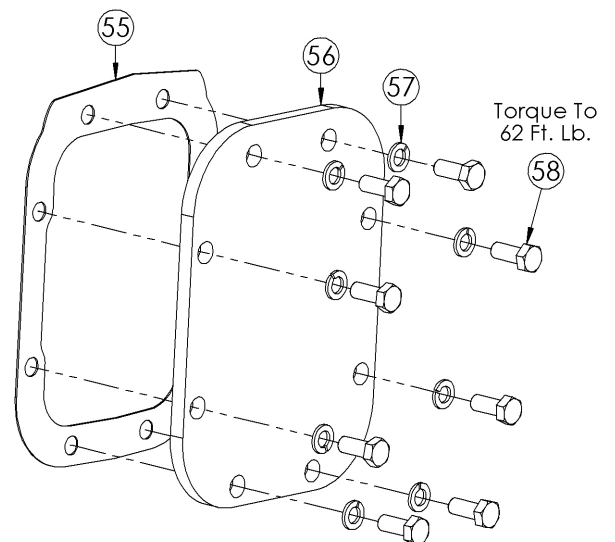
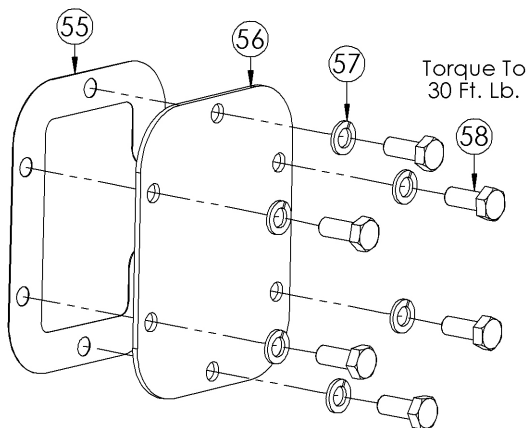
## SS88 – 21 – 1610, 1710 & 1810 Flange



## DETAIL E – COVER KIT

SS66

SS88





# PARTS LIST AND DESCRIPTION

## SS66

| ITEM            | QTY | PART NO.    | DESCRIPTION             |
|-----------------|-----|-------------|-------------------------|
| <b>Detail A</b> |     |             |                         |
| 01              | 2   | 00801081000 | Seal 65x85x10           |
| 02              | 3   | 00702029000 | Snap Ring               |
| 03              | 2   | 10T35775    | Bearing                 |
| 04              | 1   | 11103108000 | Gear 23T                |
| 05              | 1   | 10T38248    | Bearing                 |
| 06              | 1   | 00702044000 | Snap Ring               |
| 07              | 1   | 11702079000 | Shifter Sleeve          |
| 08              | 1   | 11301159000 | Shaft                   |
| 09              | 1   | 01006018000 | Needle Bearing          |
| 10              | 1   | 11301158000 | Shaft                   |
| <b>Detail B</b> |     |             |                         |
| 19              | 1   | 00101027000 | Capscrew M6x20          |
| 20              | 1   | 00404004000 | Washer                  |
| 21              | 1   | 19900249000 | Lever                   |
| 22              | 2   | 19900251000 | Rubber Boot             |
| 23              | 2   | 00705005000 | Snap Ring (Cable Shift) |
|                 | 2   | 00702034000 | Snap Ring (Air Shift)   |
| 24              | 2   | 00801004000 | Seal 15x26x7            |
| 25              | 2   | 00701027000 | Snap Ring               |
| 26              | 2   | 00703001000 | Snap Ring               |
| 27              | 1   | 12201055000 | Fork                    |
| 28              | 1   | 12801003000 | Coil Spring             |
| 29              | 1   | 01101002000 | Ball ⅜"                 |

| ITEM                                          | QTY | PART NO.    | DESCRIPTION                |
|-----------------------------------------------|-----|-------------|----------------------------|
| 30                                            | 1   | 11403091000 | Shaft (Cable Shift)        |
|                                               | 1   | 11403076000 | Shaft (Air Shift)          |
| 31                                            | 2   | 00802067000 | O-Ring                     |
| 32                                            | 2   | 12401067000 | Cover                      |
| 33                                            | 2   | 00802014000 | O-Ring                     |
| 34                                            | 2   | 12102016000 | Piston                     |
| <b>Detail C</b>                               |     |             |                            |
| 40                                            | 1   | 10105011000 | SS66 Housing               |
| 41                                            | 2   | 01201049000 | Filler/Breather M18x1.5    |
| 42                                            | 1   | 01201038000 | Filler/Breather M18x1.5    |
| 43                                            | 1   | 01201002000 | Drain Plug M22x1.5         |
| <b>Detail D</b>                               |     |             |                            |
| 49                                            | 1   | 11604010000 | 1410/DIN 20 Flange         |
|                                               | 1   | 11601033000 | 1480/1550 Flange           |
| 50                                            | 1   | 12702123000 | Centering Ring (1410 Only) |
| 51                                            | 1   | 12702129000 | Washer                     |
| 52                                            | 2   | 00404001000 | Lock Washer                |
| 53                                            | 2   | 00101004000 | Capscrew 10x25             |
| <b>Detail E</b>                               |     |             |                            |
| (Kit 2990230000 – Includes items 55-58 below) |     |             |                            |
| 55                                            | 1   | 12901501000 | Gasket                     |
| 56                                            | 1   | 09900005000 | SAE Cover                  |
| 57                                            | 6   | 00402003000 | Lock Washer                |
| 58                                            | 6   | 00101003000 | Capscrew M10x16            |

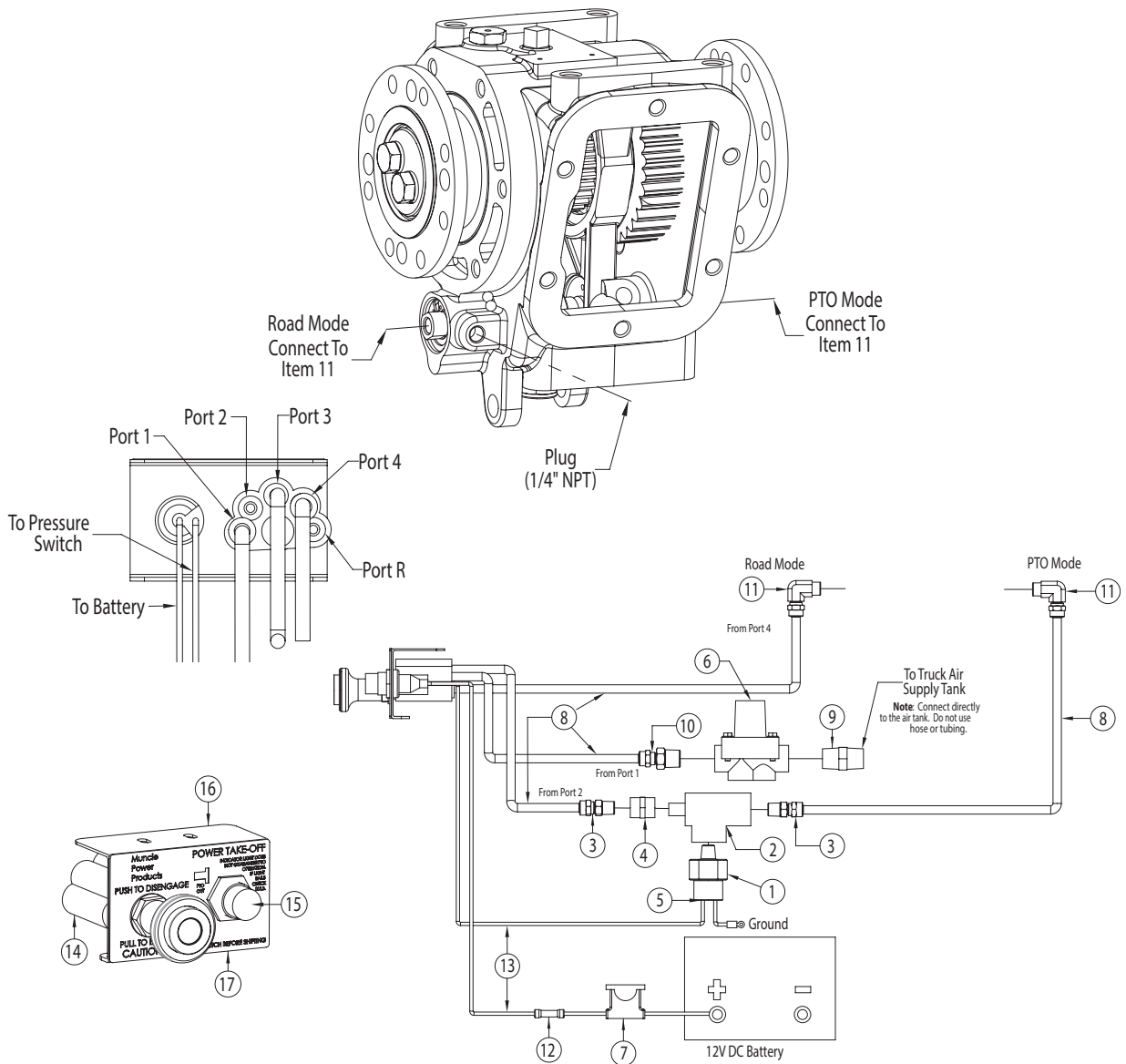
## SS88

| ITEM            | QTY | PART NO.    | DESCRIPTION        |
|-----------------|-----|-------------|--------------------|
| <b>Detail A</b> |     |             |                    |
| 01              | 2   | 00801091000 | Seal 90x110x12     |
| 02              | 3   | 00702029000 | Snap Ring          |
| 04              | 2   | 11103107000 | Gear 50T (14 Only) |
|                 | 1   | 11103109000 | Gear 50T (21 Only) |
| 07              | 1   | 11702080000 | Shifter Sleeve     |
| 08              | 1   | 11301199000 | Shaft (14 Only)    |
|                 | 1   | 11301193000 | Shaft (21 Only)    |
| 09              | 1   | 11301159000 | Needle Bearing     |
| 10              | 1   | 11301198000 | Shaft (14 Only)    |
|                 | 1   | 11301194000 | Shaft (21 Only)    |
| 11              | 2   | 00802140000 | O-Ring             |
| 12              | 2   | 12702122000 | Ring               |
| 13              | 1   | 01001040000 | Bearing (14 Only)  |
|                 | 1   | 01003021000 | Bearing (21 Only)  |
| 14              | 1   | 12601122000 | Spacer (21 Only)   |
| 15              | 1   | 01001042000 | Bearing            |
| 16              | 1   | 01101002000 | Ball ⅜"            |
| 17              | 1   | 12801006000 | Spring             |
| 18              | 1   | 01003022000 | Bearing (21 Only)  |
|                 | 1   | 01001041000 | Bearing (14 Only)  |
| <b>Detail B</b> |     |             |                    |
| 23              | 2   | 00705002000 | Snap Ring          |
| 27              | 1   | 12201044000 | Fork               |
| 31              | 2   | 00802138000 | O-Ring             |
| 33              | 2   | 00802137000 | O-Ring             |
| 35              | 2   | 10801001000 | Cylinder           |
| 36              | 1   | 12101030000 | Piston             |
| 37              | 1   | 00802136000 | O-Ring             |
| 38              | 1   | 12102038000 | Piston             |
| 39              | 1   | 00701022000 | Snap Ring          |

| ITEM                                                                                     | QTY | PART NO.    | DESCRIPTION                          |
|------------------------------------------------------------------------------------------|-----|-------------|--------------------------------------|
| <b>Detail C</b>                                                                          |     |             |                                      |
| 40                                                                                       | 1   | 10105018000 | SS88 Housing                         |
| 41                                                                                       | 1   | 01201049000 | Plug M18x1.5                         |
| 43                                                                                       | 1   | 01201002000 | Drain Plug M22x1.5                   |
| 44                                                                                       | 1   | 12401094000 | Housing Cover                        |
| 45                                                                                       | 6   | 00101076000 | Capscrew M8x20                       |
| 46                                                                                       | 1   | 01201115000 | Filler/Breather Plug ½" BSPP         |
| 47                                                                                       | 1   | 01201133000 | Plug M18x1.5                         |
| 48                                                                                       | 1   | 00401095000 | Washer 18x24x1.5                     |
| 48a                                                                                      | 1   | 12901152000 | Gasket                               |
| <b>Detail D</b> Items 49, 51, 54, 53 Kit 205F8330000 (14 Only) Kit 205F7860000 (21 Only) |     |             |                                      |
| 49                                                                                       | 1   | 11604009000 | 1550/1610/1710/1810 Flange (14 Only) |
|                                                                                          | 1   | 11604011000 | 1610/1710/1810 Flange (21 Only)      |
| 51                                                                                       | 1   | 12702124000 | Washer (14 Only)                     |
|                                                                                          | 1   | 12702191000 | Washer (21 Only)                     |
| 54                                                                                       | 1   | 19900244000 | Securing Tab (14 Only)               |
|                                                                                          | 1   | 19900387000 | Securing Tab (21 Only)               |
| 53                                                                                       | 2   | 00101014000 | Capscrew M10x30 (SS66/SS88-14 Only)  |
|                                                                                          | 2   | 00101234000 | Capscrew M12x45 (SS88-21 Only)       |
| <b>Detail E</b>                                                                          |     |             |                                      |
| (8-Bolt Kit 299B2850000 – Includes Items 55-58 below)                                    |     |             |                                      |
| 55                                                                                       | 1   | 12901534000 | Gasket                               |
| 56                                                                                       | 1   | 12401124000 | Cover                                |
| 57                                                                                       | 8   | 00402004000 | Washer                               |
| 58                                                                                       | 8   | 00101010000 | Lock Washer                          |

# SS66/SS88 ACTIVATION KITS

## SS66 Manual Air: A-Option – 48TK4985

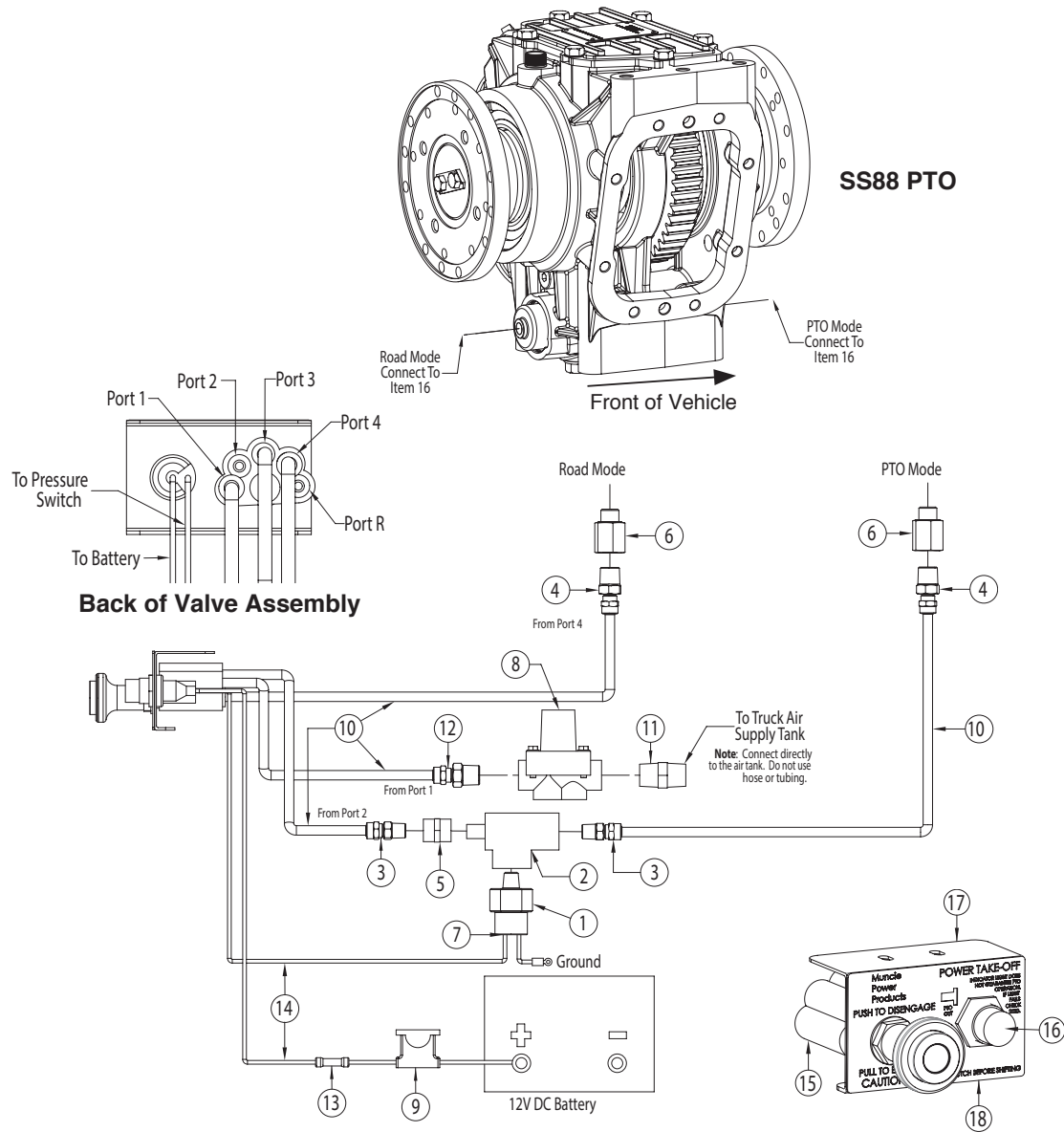


| ITEM                                                   | QTY | PART NO. | DESCRIPTION               |
|--------------------------------------------------------|-----|----------|---------------------------|
| <b>Activation Kit 48TK4985</b>                         |     |          |                           |
| 1                                                      | 1   | 30T37954 | Pressure Switch           |
| 2                                                      | 1   | 44MB2252 | 1/8" NPT Street Tee       |
| 3                                                      | 2   | 44MB6842 | 1/8" NPT Fitting          |
| 4                                                      | 1   | 44T35791 | Fitting                   |
| 5                                                      | 1   | 34T36941 | Pig Tail                  |
| <b>Activation Kit 48M61261A (Included in 48TK4985)</b> |     |          |                           |
| 6                                                      | 1   | 31M15759 | Pressure Protection Valve |
| 7                                                      | 1   | 33T36299 | Fuse Assembly             |
| 8                                                      | 1   | 45M44430 | Air Tubing 30 ft.         |
| 9                                                      | 2   | 44MB2164 | 1/4" NPT Nipple           |

| ITEM | QTY      | PART NO. | DESCRIPTION        |
|------|----------|----------|--------------------|
| 10   | 1        | 44MB6844 | 1/4" NPT Fitting   |
| 11   | 2        | 44MB6942 | Elbow Fitting      |
| 12   | 3        | 34M18002 | End Crimp          |
| 13   | 12.5 ft. | 37M18000 | Electrical Wire    |
| 14   | 1        | 35T37955 | Air Valve          |
| 15   | 1        | 32M12001 | PTO Light - 12v DC |
| 16   | 1        | 36T38049 | Dash Bracket       |
| 17   | 1        | 36T38016 | Face Plate         |
| N.S. | 1        | 34T38163 | Booted Connector   |
| N.S. | 1        | 35MK1007 | Bolt Kit           |

# SS66/SS88 ACTIVATION KITS

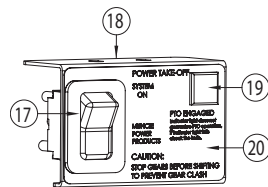
## SS88 Manual Air: A-Option – 48TK4428



| ITEM                                                   | QTY | PART NO. | DESCRIPTION               |
|--------------------------------------------------------|-----|----------|---------------------------|
| <b>Activation Kit 48TK4428</b>                         |     |          |                           |
| 1                                                      | 1   | 30T37954 | Pressure Switch           |
| 2                                                      | 1   | 44MB2252 | 1/8" NPT Street Tee       |
| 3                                                      | 2   | 44MB6842 | 1/8" NPT Fitting          |
| 4                                                      | 2   | 44MB6844 | Fitting                   |
| 5                                                      | 1   | 44T35791 | Pipe Coupling             |
| 6                                                      | 2   | 44T38628 | 12mm x 1/4" NPT Adapter   |
| 7                                                      | 1   | 34T36941 | Pig Tail                  |
| <b>Activation Kit 48M61261A (Included in 48TK4985)</b> |     |          |                           |
| 8                                                      | 1   | 31M15759 | Pressure Protection Valve |
| 9                                                      | 1   | 33T36299 | Fuse Assembly             |

| ITEM | QTY      | PART NO. | DESCRIPTION        |
|------|----------|----------|--------------------|
| 10   | 1        | 44M44430 | Air Tubing 30 ft.  |
| 11   | 1        | 44MB2164 | 1/4" NPT Fitting   |
| 12   | 1        | 44MB6844 | Fitting            |
| 13   | 3        | 34M18002 | End Crimp          |
| 14   | 12.5 ft. | 37M18000 | Electrical Wire    |
| 15   | 1        | 35T37955 | Air Valve          |
| 16   | 1        | 32M12001 | PTO Light - 12v DC |
| 17   | 1        | 36T38049 | Dash Bracket       |
| 18   | 1        | 36T38016 | Face Plate         |
| N.S. | 1        | 34T38163 | Booted Connector   |
| N.S. | 1        | 35MK1007 | Bolt Kit           |

# SS66 Manual Air: E-Option – 48TK5248

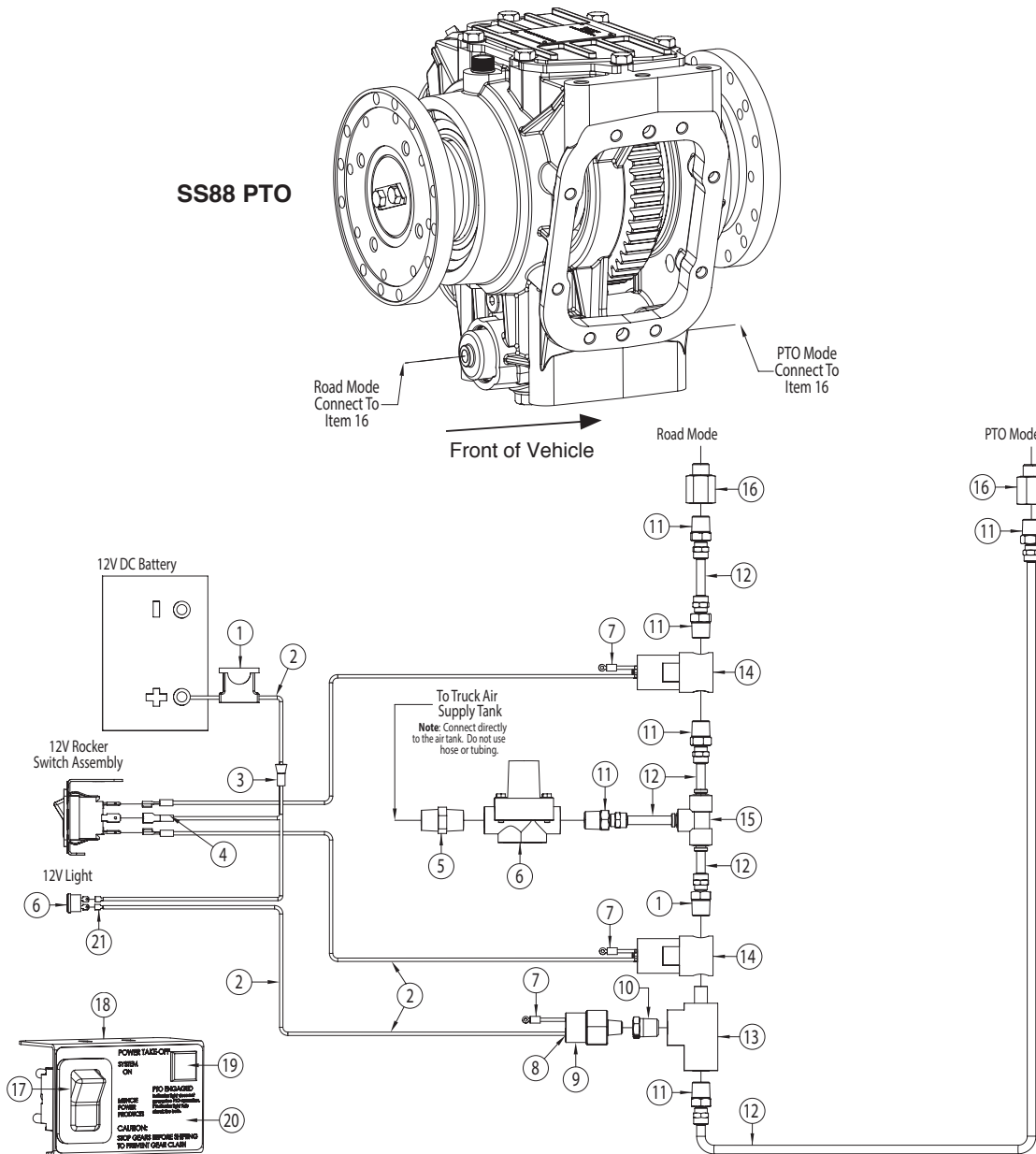


| ITEM | QTY    | PART NO.    | DESCRIPTION                  |
|------|--------|-------------|------------------------------|
| 1    | 1      | 33T36299    | Fuse Assembly                |
| 2    | 12 ft. | 37M18000    | 18 Ga. Red Wire              |
| 3    | 6      | 34T36362    | Crimp Connector              |
| 4    | 3      | 34M18250    | Female Spade Connector (¼")  |
| 5    | 1      | 44MB2164    | ¼" NPT Nipple                |
| 6    | 1      | 31M15759    | Pressure Protection Valve    |
| 7    | 3      | 34M18009    | Ring Terminal                |
| 8    | 1      | 34T36941    | Harness Pigtail              |
| 9    | 1      | 30T37954    | Pressure Switch              |
| 10   | 1      | 44MB0942    | Reducer Bushing              |
| 11   | 5      | 44MB6844PTC | Push to Connect Tube Fitting |

| ITEM | QTY  | PART NO.    | DESCRIPTION                   |
|------|------|-------------|-------------------------------|
| 12   | 1    | 45M44430    | Air Tubing 30 ft.             |
| 13   | 1    | 44MB2254    | ¼" NPT Street Tee             |
| 14   | 2    | 35M30692    | 12v Solenoid NC               |
| 15   | 1    | 44T40394    | ¼" Tee Fitting                |
| 16   | 2    | 44MB6942PTC | Push to Connect Tube Fitting  |
| 17   | 1    | 30T41994    | 12v Rocker Switch             |
| 18   | 1    | 36MA1005    | Dash Bracket                  |
| 19   | 1    | 32MSR12V    | 12v Light                     |
| 20   | 1    | 36T35431    | Face Plate                    |
| 21   | 2    | 34M18187    | Femal Spade Connector (¾" 16) |
| 22   | N.S. | 36MK1007    | Bolt Kit                      |

# SS66/SS88 ACTIVATION KITS

## SS88 Manual Air: E-Option – 48TK5268



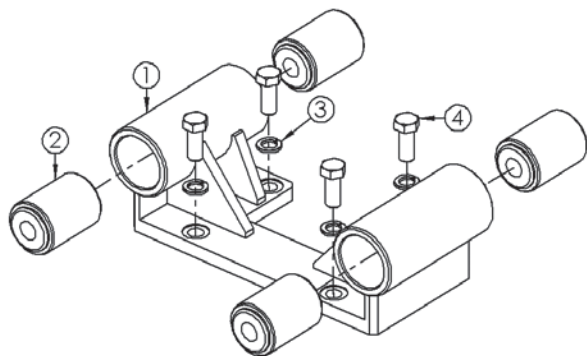
| ITEM | QTY    | PART NO.    | DESCRIPTION                   |
|------|--------|-------------|-------------------------------|
| 1    | 1      | 33T36299    | Fuse Assembly                 |
| 2    | 12 ft. | 37M18000    | 18 Ga. Red Wire               |
| 3    | 6      | 34T36362    | Crimp Connector               |
| 4    | 3      | 34M18250    | Female Spade Connector (1/4") |
| 5    | 1      | 44MB2164    | 1/4" NPT Nipple               |
| 6    | 1      | 31M15759    | Pressure Protection Valve     |
| 7    | 3      | 34M18009    | Ring Terminal                 |
| 8    | 1      | 34T36941    | Harness Pigtail               |
| 9    | 1      | 30T37954    | Pressure Switch               |
| 10   | 1      | 44MB0942    | Reducer Bushing               |
| 11   | 7      | 44MB6844PTC | Push to Connect Tube Fitting  |

| ITEM | QTY  | PART NO. | DESCRIPTION                   |
|------|------|----------|-------------------------------|
| 12   | 1    | 45M44430 | Air Tubing 30 ft.             |
| 13   | 1    | 44MB2254 | 1/4" NPT Street Tee           |
| 14   | 2    | 35M30692 | 12v Solenoid NC               |
| 15   | 1    | 44T40394 | 1/4" Tee Fitting              |
| 16   | 2    | 44T38628 | 12mm x 1/4" NPT Adapter       |
| 17   | 1    | 30T41994 | 12v Rocker Switch             |
| 18   | 1    | 36MA1005 | Dash Bracket                  |
| 19   | 1    | 32MSR12V | 12v Light                     |
| 20   | 1    | 36T35431 | Face Plate                    |
| 21   | 2    | 34M18187 | Femal Spade Connector (3/16") |
| 22   | N.S. | 36MK1007 | Bolt Kit                      |



## SS66/SS88 KITS

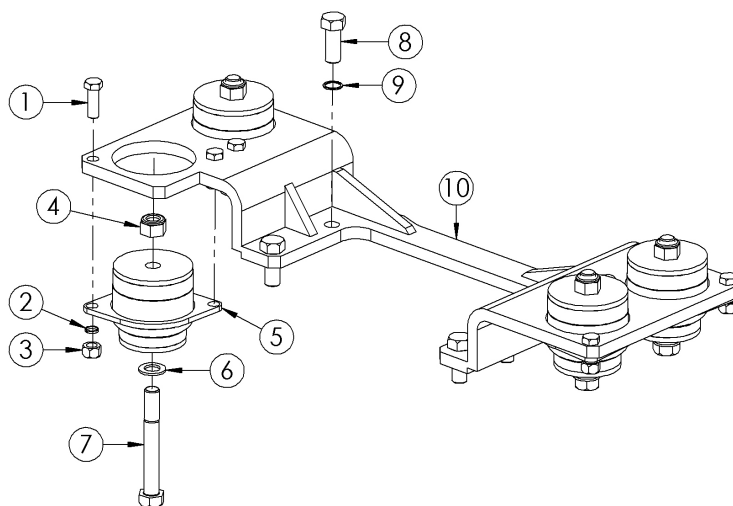
### SS66 Support Bracket – 2991970000



| ITEM | QTY | PART NO.     | DESCRIPTION     |
|------|-----|--------------|-----------------|
| 1    | 1   | 1243A197000  | Bracket         |
| 2    | 4   | 099006765000 | Silent Block    |
| 3    | 4   | 05100012000  | Lockwasher      |
| 4    | 4   | 02112030000  | Capscrew M12x30 |

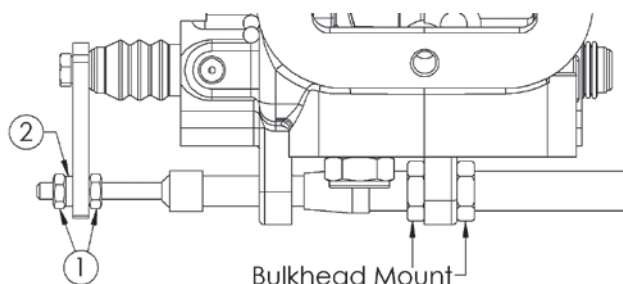
### SS88 Support Bracket – 299K2870000

| ITEM | QTY | PART NO.   | DESCRIPTION        |
|------|-----|------------|--------------------|
| 1    | 8   | 0010101400 | Capscrew M10x30    |
| 2    | 8   | 0040200300 | Lock Washer        |
| 3    | 8   | 0030100400 | Hex Nut M10        |
| 4    | 4   | 0030200200 | Hex Nut M14        |
| 5    | 4   | 0990018800 | Suspension Element |
| 6    | 4   | 0040112300 | Washer             |
| 7    | 4   | 0010107800 | Capscrew M14x110   |
| 8    | 5   | 0010107900 | Capscrew M14       |
| 9    | 5   | 0040201000 | Lock Washer        |
| 10   | 1   | XXXXXXXXXX | Bracket            |



### SS66 Cable Kit – 28TK4426

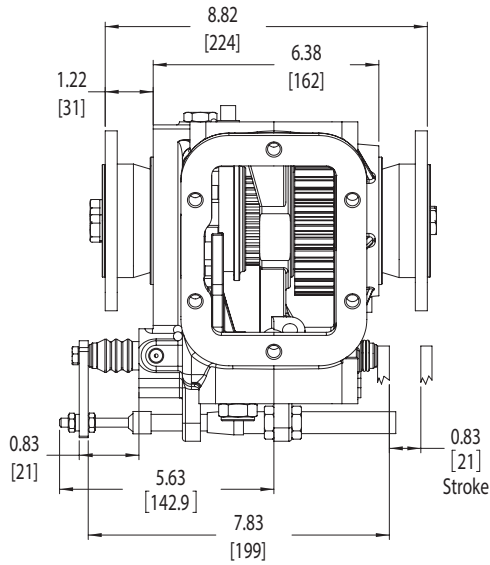
| ITEM | QTY | PART NO. | DESCRIPTION |
|------|-----|----------|-------------|
| 1    | 2   | 22MX1032 | Jam Nut     |
| 2    | 1   | 21M11100 | Lockwasher  |



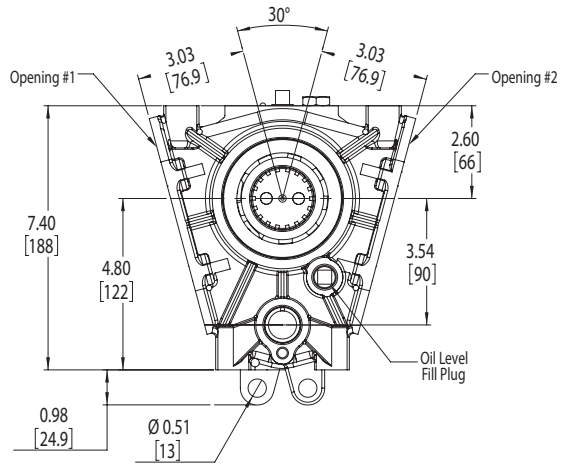
Cable Control sold separately  
 Cable Shown: 55 Series with a 2" travel and a bulkhead mount  
 Cable Number: KB55-BM-2-XXX (XXX –Length in inches)  
 Pro Gear and Transmission, Inc. | 906 West Gore St, Orlando, FL 32805  
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# DIMENSIONAL INFORMATION

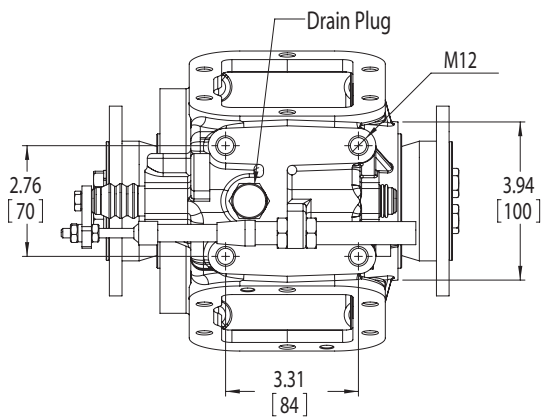
## SS66 PTO



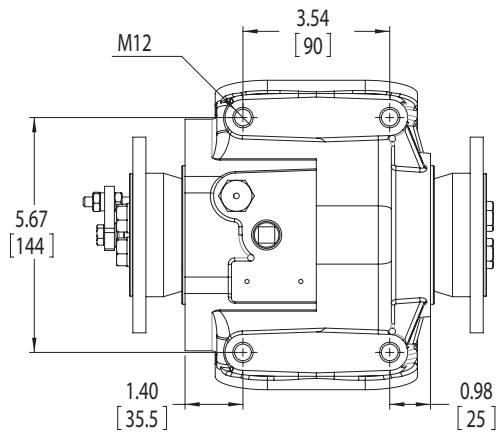
**Side View**



**Front View**



**Bottom View**

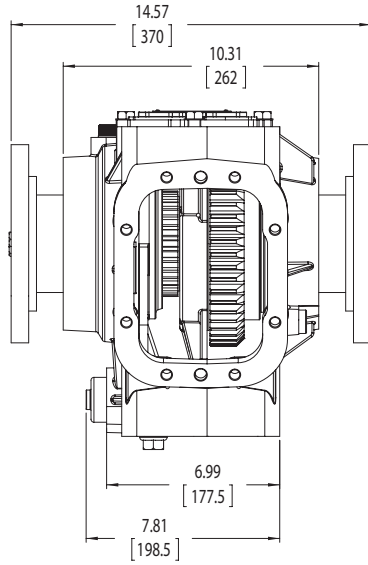


**Top View**

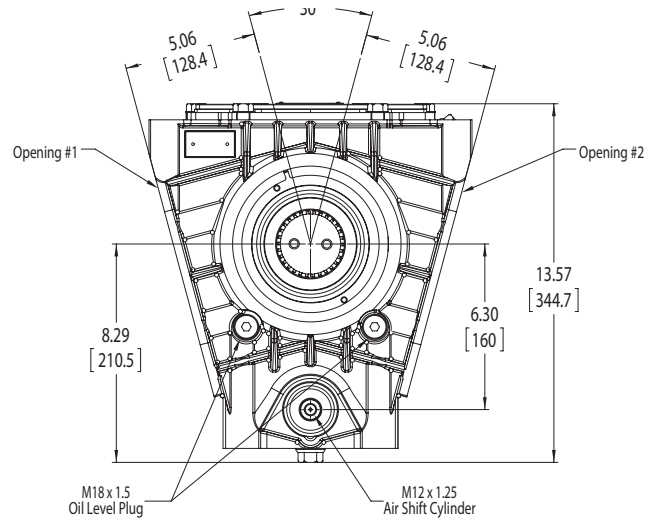
Front of Vehicle  
→

# DIMENSIONAL INFORMATION

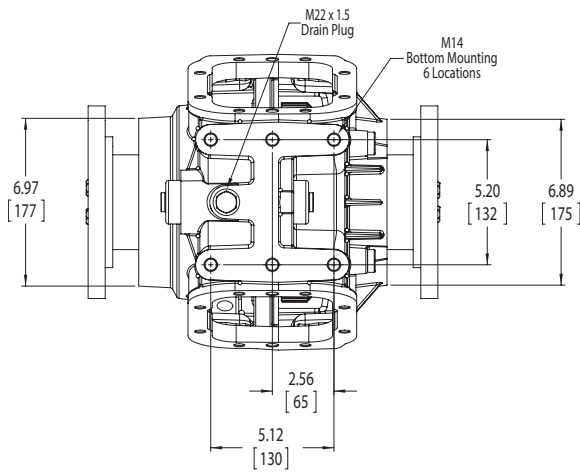
## SS88 PTO



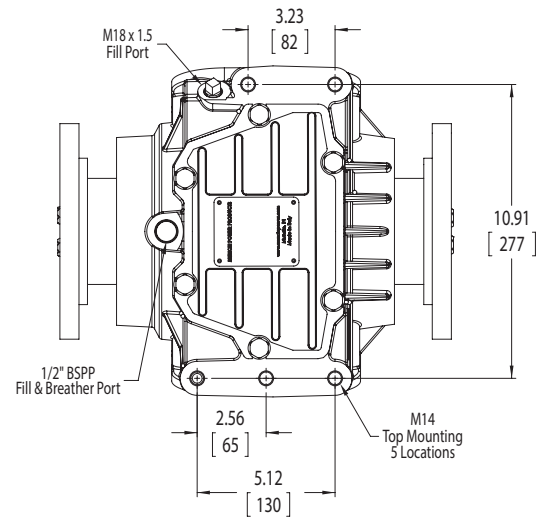
**Side View**



**Front View**



**Bottom View**



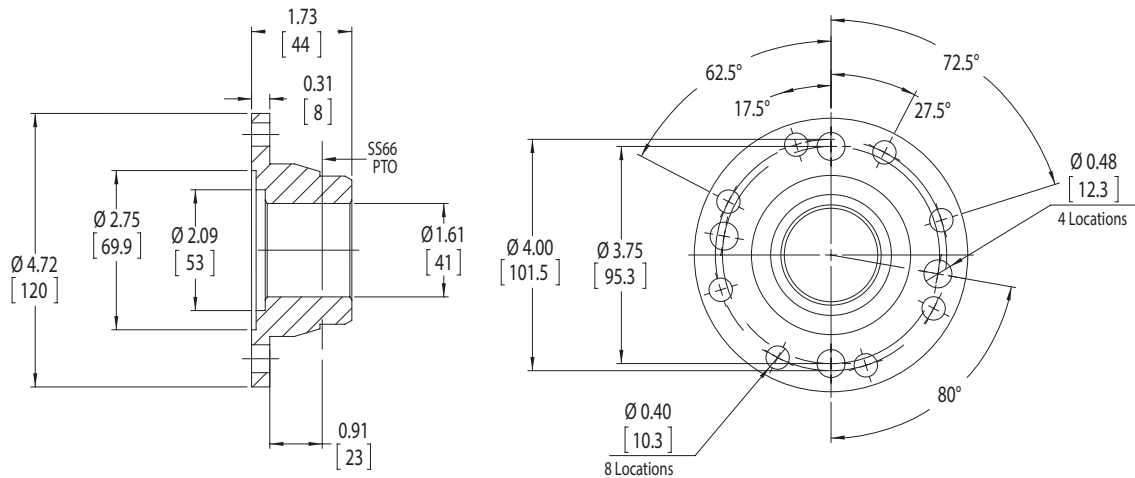
**Top View**

Front of Vehicle  
→

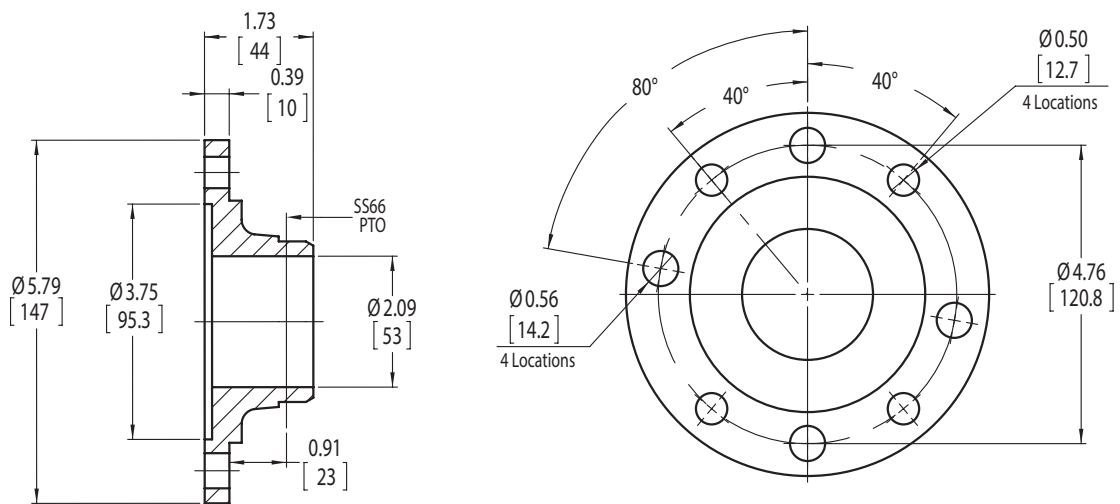
# MAIN SHAFT FLANGES

## SS66 PTO

### 1410/DIN 20 Flange



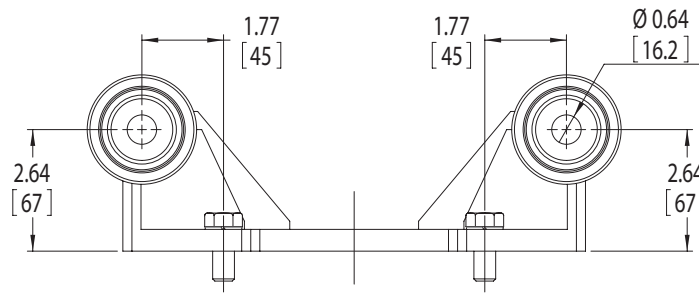
### 1480/1550 Flange



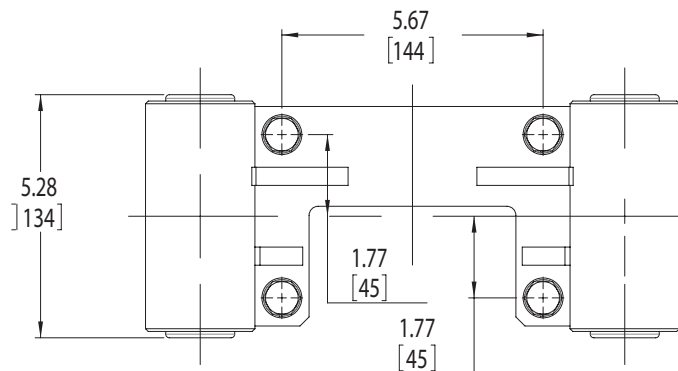


# SS66 SUPPORT BRACKET KIT – 2991970000\*

Front View

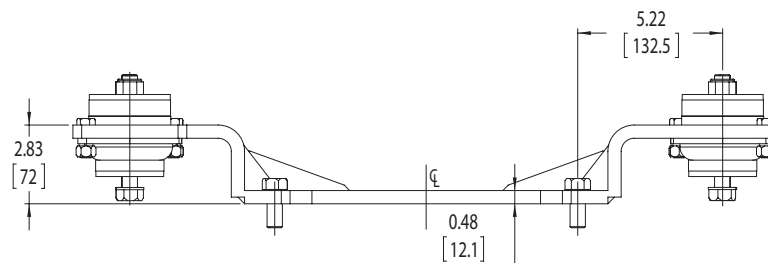


Top View

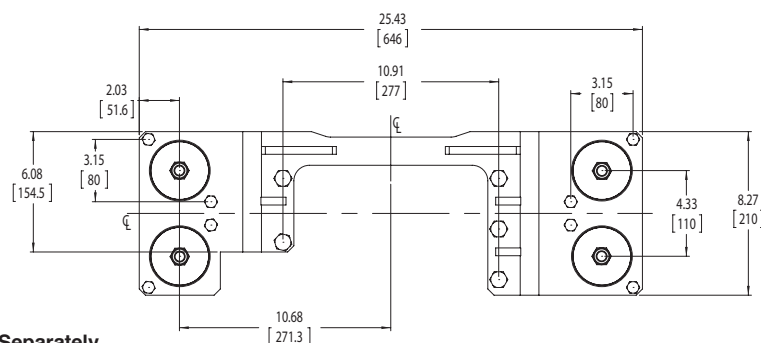


# SS88 SUPPORT BRACKET KIT – 299K2870000\*

Front View



Top View



\*Kit Sold Separately







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