



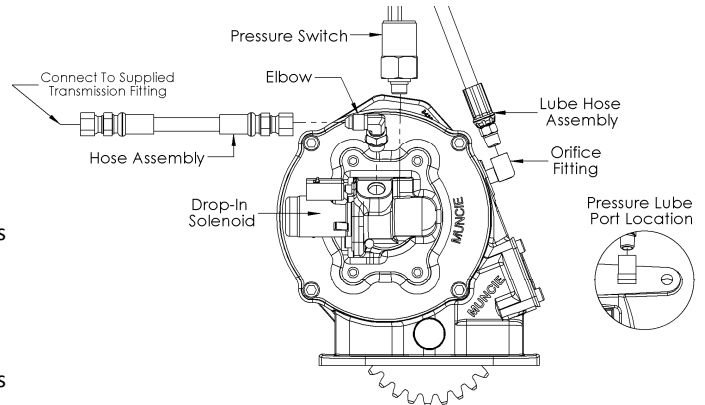
CS6 - "S" & "R" Activation Kit Installation Supplement to IN84-03

Please read the PTO installation & owner's manual (IN84-03) and complete the install of your CS6 PTO (outlined in section 1 of the manual). Refer to these instructions to install the activation kit (section 2 in the manual) to the appropriate transmission.

Step 1: Locate the lube hose kit (43TK3934) and connect the lube port elbow to the PTO housing as shown.

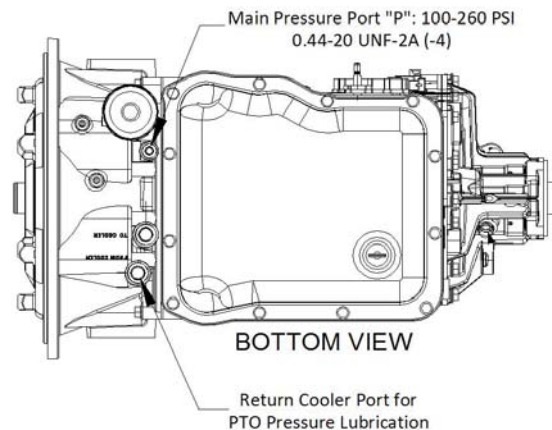
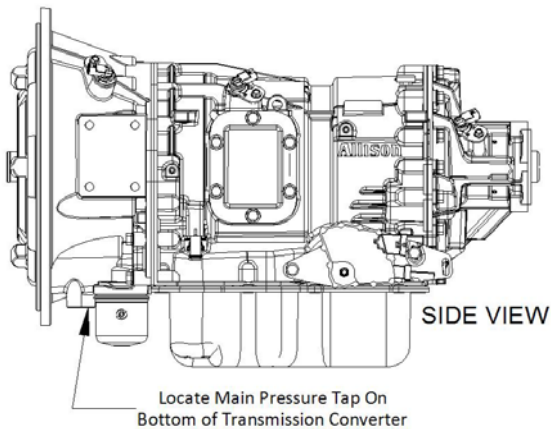
Step 2: Remove the red plastic plug and insert the elbow into the PTO cover as shown. Connect the supplied hose assembly to the elbow and connect the other end of the hose assembly to the transmission (see specified transmissions below to determine fittings and port locations).

Step 3: Connect the pressure lube hose assembly to the lube port elbow and connect the other end of the lube hose assembly to the transmission (see specified transmissions below to determine fittings and port locations).



Allison Automatic Transmission:

1000, 2000 & 2400 Series



GM (Only) Applications:

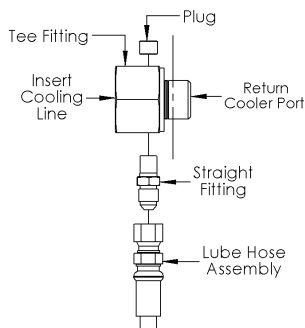
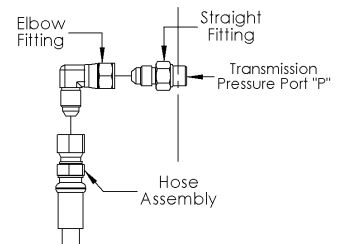
Note: On GM3600 or 3500 cab chassis', the cooling lines enter the side of the transmission case, use 43TK4497 for lubrication line installation*

Tee or tap into Return Cooler Port for the PTO pressure lubrication:
SAE 8 – 1000 Series (#3 housing) use 43TK5191 tee fitting*
SAE 12 – 1000/2000 Series (#2 housing) use 43TK5157 tee fitting*

*Fitting kits Sold Separately

Allison Transmission PTO Pressure Port "P" Connection:

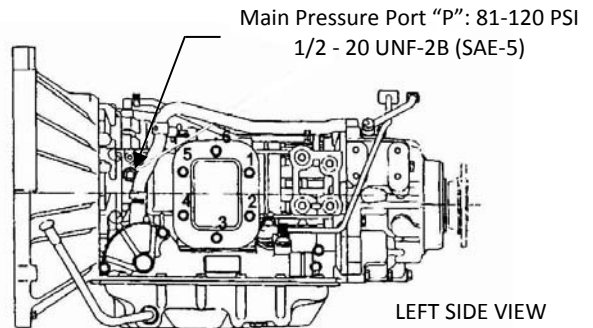
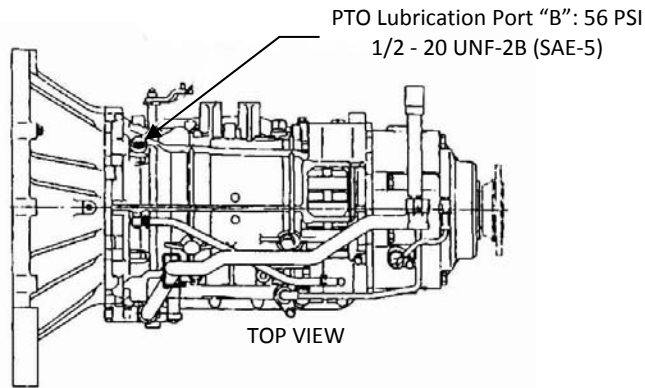
Locate the two supplied fittings. Insert the straight fitting (o-ring end first) into the transmission port "P" and connect the elbow fitting onto the other end of the straight fitting. Connect the hose assembly to the elbow fitting (reference step #2 above).



Allison Transmission PTO Pressure Lubrication Connection:

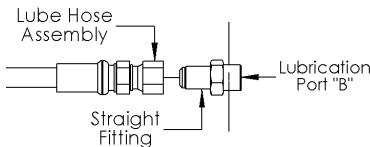
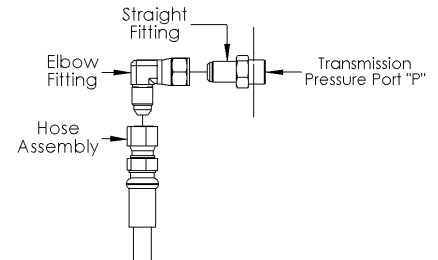
Locate the tee fitting and plug one of the 1/8 NPT ports and insert the straight fitting into the other. Disconnect the cooling line from the cooler port and insert the tee fitting (o-ring end first) into the transmission. Connect the cooling line to the end of the tee fitting and connect the hose assembly to the straight fitting (reference step #3 above).

AISIN Automatic Transmission: Models 450-43LE, A443 & A445 5-Speed



AISIN Transmission PTO Pressure Port "P" Connection:

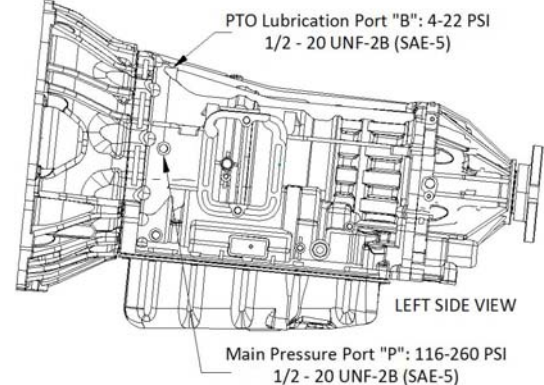
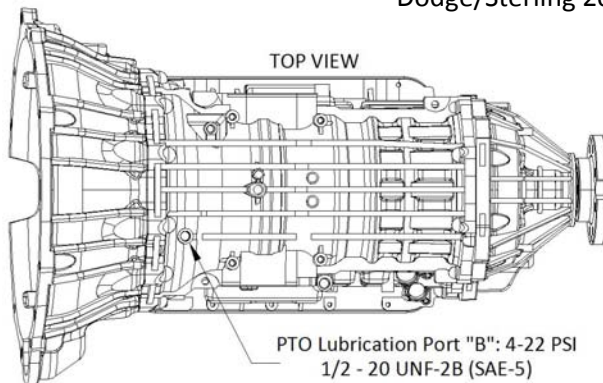
Locate the two supplied straight fittings and the one elbow fitting. Insert a straight fitting into the transmission port "P" and connect the elbow fitting onto the other end of the straight fitting. Connect the hose assembly to the elbow fitting (reference step #2 above).



AISIN Transmission PTO Lubrication Port "B" Connection:

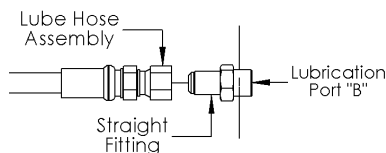
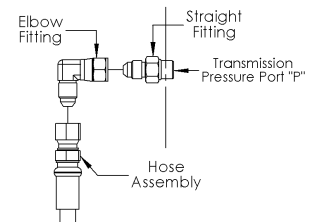
Insert the other straight fitting into the lubrication port "B". Connect the hose assembly to the other end of the straight fitting (reference step #3 above).

AISIN Automatic Transmission: Dodge/Sterling 2007 & Later 6-Speed



AISIN Transmission PTO Pressure Port "P" Connection:

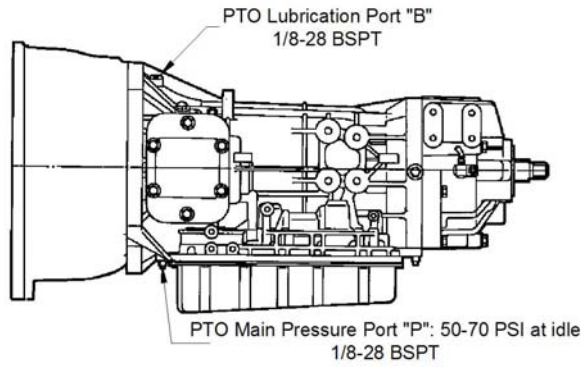
Locate the two supplied straight fittings and the one elbow fitting. Insert a straight fitting (o-ring end first) into the transmission port "P" and connect the elbow fitting onto the other end of the straight fitting. Connect the hose assembly to the elbow fitting (reference step #2 above).



AISIN Transmission PTO Lubrication Port "B" Connection:

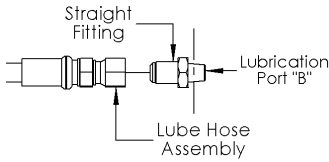
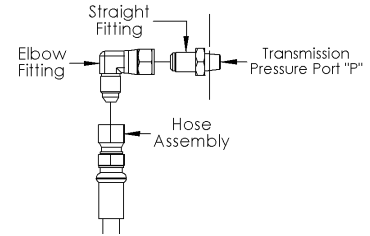
Insert the other straight fitting into the lubrication port "B". Connect the hose assembly to the other end of the straight fitting (reference step #3 above).

JATCO Automatic Transmission:



JATCO Transmission PTO Pressure Port "P" Connection:

Locate the two supplied straight fittings and one elbow fitting. Insert one straight fitting (1/8 tapered end) into the transmission port "P" and connect the elbow fitting to the straight fitting. Connect the hose assembly to the elbow fitting (reference step #2 above).



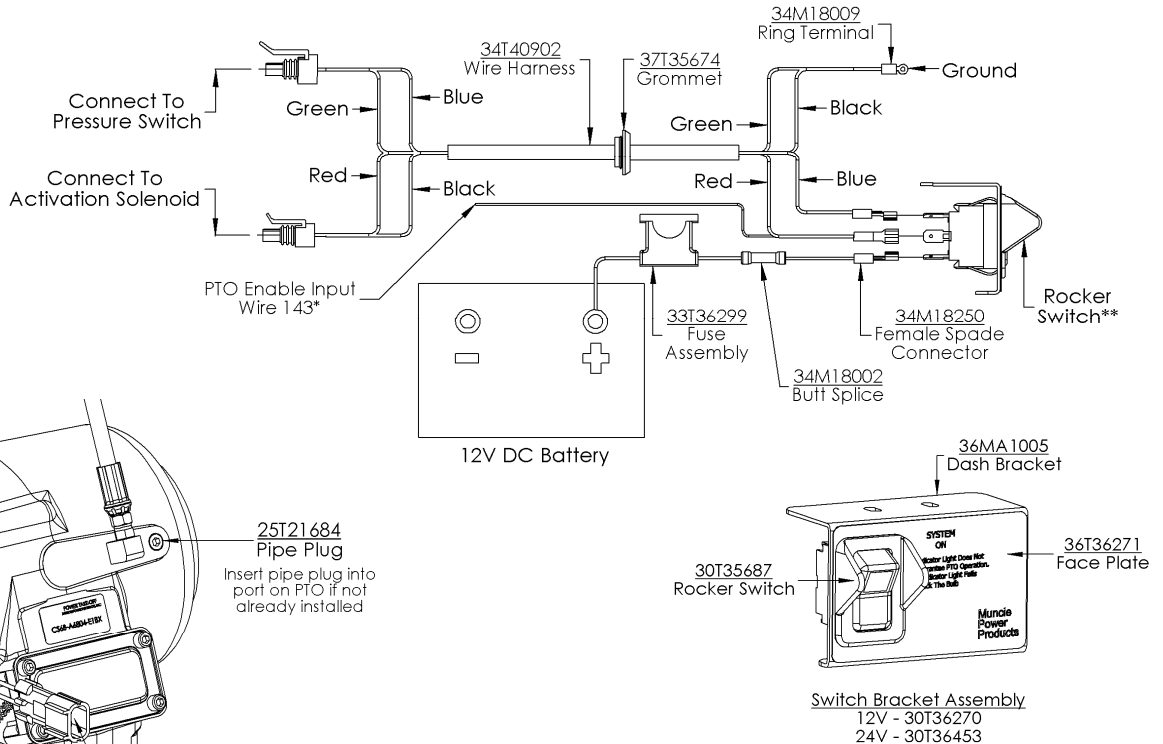
JATCO Transmission PTO Lubrication Port "B" Connection:

Insert the other straight fitting (1/8 tapered end) into the lubrication port "B". Connect the hose assembly to the elbow fitting (reference step #3 above).

Wiring Diagrams

Electric/Hydraulic Shift System

48TK5106 - 48TK5111 & 48TK5113 - 48TK5115 (12V)
48TK5112 & 48TK5117 (24V)

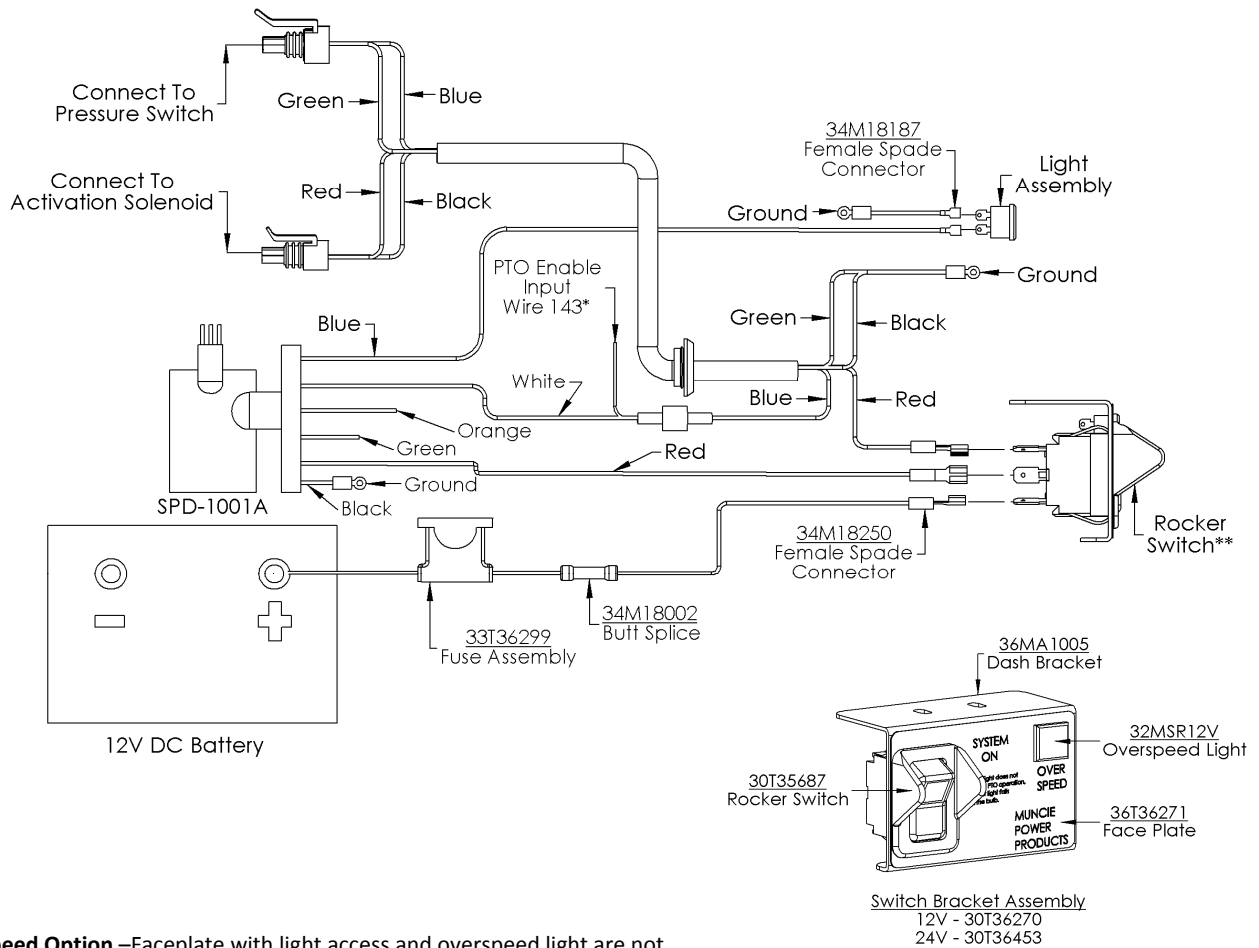


*Allison TCM (Pin 43)

**Green light in the rocker switch is to turn "ON" when the PTO is engaged and turn "OFF" when the PTO is disengaged.

Note: Clutchshift PTO's require a connection to the Allison "PTO Enable Input" circuits. Check the vehicle dealer or body builder's information for this location.

Wiring with SPD-1001A Overspeed Protection Device



Overspeed Option –Faceplate with light access and overspeed light are not included in 30T36270 (12V bracket assembly) and are to be ordered separately in kit 36TK4971. They are included in the 24V kit (48TK5018).

For 24V Option – 48TK5018:

The 24V kit would use 24V rocker switch (30T35712) instead of 12V rocker switch (30T35687) shown above. This kit also comes with the 24V light assembly (32MSR24V) and the face plate with light access (36M01006).