

Special Instructions for Allison 1000 & 2000 Series Transmission Installations

1. GASKET INSTALLATION

It has been evident that there can be a noise emitted from the PTO when installed on the Allison 1000/2000 Series transmissions which can be objectionable to the operator. The following instructions assist in reducing this noise. Noise emitting when the unit is disengaged and then reduced or extinguished when unit is engaged is common for this installation and is not a signal of advanced failure. Muncie Power Products does not consider this noise to be a warrantable condition.

TG Series

When installing the TG Series note that the PTO is provided with several gaskets and a steel spacer 23M60270.

Install PTO using two .020" thick gaskets provided, using one on each side of spacer.

Check the backlash. Backlash measurement should be in the range .010 to .024".

If PTO is noisy in the off mode, but quiet when engaged, then remove PTO and re-install with all of the gaskets provided.

CS6 Series

CS6B-A68 03 thru 05 ratios: When installing PTO use one of the two 13M13541 gaskets.

If PTO is noisy in the off mode and quiet when engaged then, remove PTO and re-install using both 13M13541 gaskets provided.

CS6B-A69 07 ratio: Install PTO using two .020" thick gaskets provided, using one on each side of 23M60270 spacer provided with PTO.

Check the backlash. Backlash measurement should be in the range .010 to .024".

If the PTO is noisy in the off mode, but quiet when engaged, then remove PTO and re-install with all of the gaskets provided.

GM6B/ GA6B Series

Install PTO using both 13M13541 gaskets provided.

2. OPTIONAL - TORQUE CONVERTER LOCK-UP

(Recommended) When using the Allison transmission for stationary operation it is beneficial to engage the torque converter lock-up. This allows for a direct comparison of the output shaft speed to engine speed, without the affects of the torque converter.

Using the PTO engage circuit install the 12Vdc power line to the Allison circuit number J106 on the Allison Transmission Control Module.

CS6B, GA6B Series

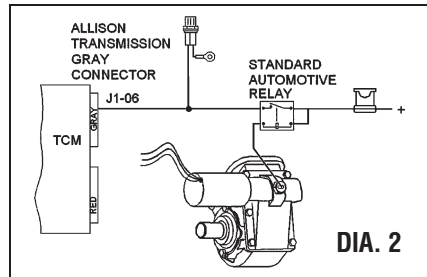
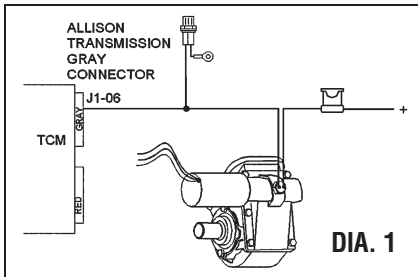
Depending on the Chassis used, connection to the J106 terminal can be accomplished by attaching a wire to the switched power from the PTO rocker switch and connecting it to the J106 terminal. GM chassis wiring harnesses are available for connection to this circuit, requires PTO option to be installed.

GM6B Series

This PTO is made for the GM 3600 chassis and comes with wiring which already controls the J106 circuit.

TG Series

Cable, lever, and air shifted PTOs can be install with either a two terminal switch or the use of a standard automotive relay as shown on the diagrams. Diagram 1 or Diagram 2



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