



**Muncie<sup>®</sup>  
Power  
Products**

**KEEP IN VEHICLE**  
READ OPERATING INSTRUCTIONS  
INSIDE BEFORE OPERATING PTO

# **DUAL RPM CONTROL OF MOBILE/STATIONARY PTO F-650 — F-750 2018 & LATER FORD BULLETIN Q278**

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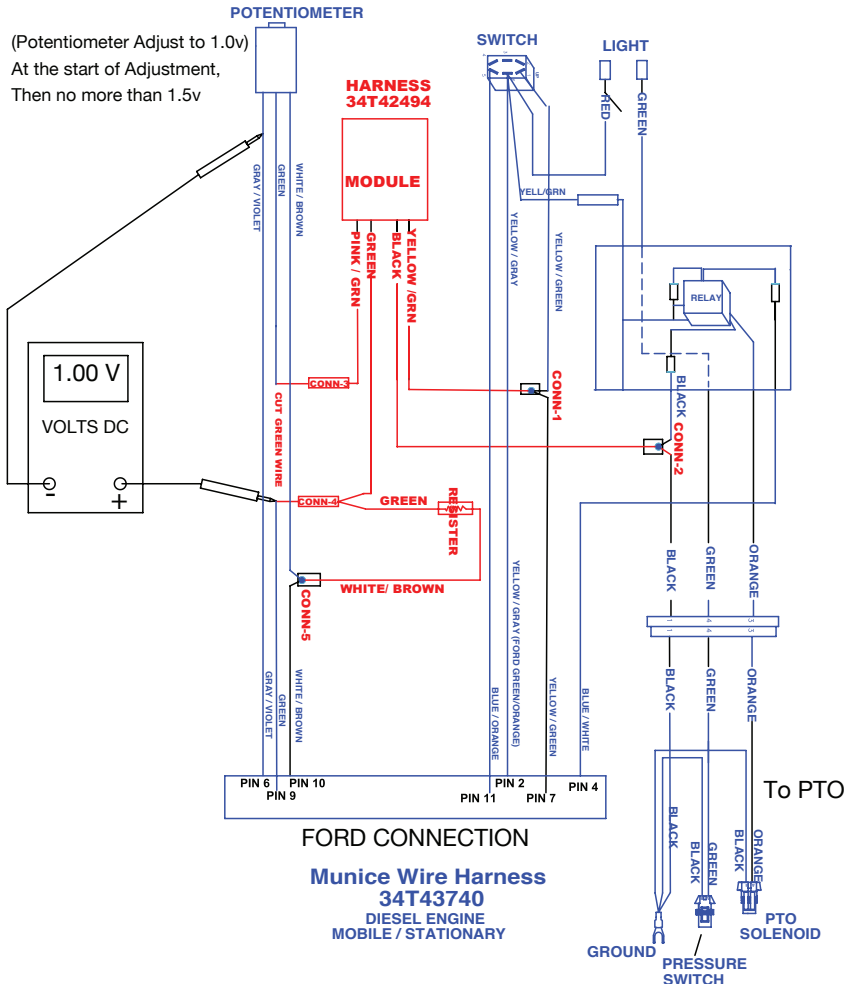
INSTALLATION INSTRUCTIONS  
34T42494 INSTALLATION ON 34T43740

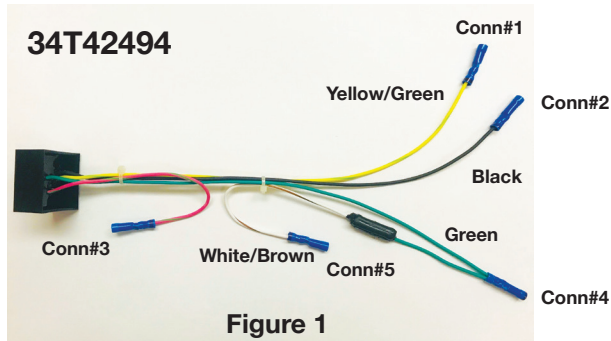
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# INSTALLATION INSTRUCTIONS

*Read and understand entire instructions before starting installation.*

1. This instruction applies to the use of wire harness 34T42494 and it's attachment to the Muncie Power wire harness 34T43740 used on the Muncie Power PTO FR6Q Series only. Do not use for other PTO manufacturers or other PTO series.
2. Refer to drawing below to determine the correct wire harness and attachment locations.
3. Cut the GREEN wire on harness 34T43740 and using butt splice connect (Pink/Green wire) Conn #3 to the potentiometer GREEN wire and (Green wire) Conn #4 to the Ford Connector.
4. Connect the Yellow/Green wire Conn #1 to the Yellow/Green wire on 34T43740 which goes to the Ford connector from the rocker switch.
5. Connect the Black wire Conn#2 to the Black wire on 34T43740 which goes to Battery ground.
6. Connect the White/Brown wire Conn #5 to the White/Brown on 34T43740





## INSTALLATION INSTRUCTIONS

*Read entire manual before starting installation.*

### IMPORTANT:

After installing module PN 34T42494 into wire harness PN 34T43740, **the potentiometer must be adjusted to 1.0 volts prior to PTO engagement using a voltmeter. See meter test points on drawing.**

This RPM module output voltage **MUST** be adjusted prior to engaging the PTO.

The output on the RPM module (Green wire) will be raised to more than 2,000 RPMs because of the 680 ohm resistor is now in parallel with the potentiometer inside the RPM control module.

Install the Muncie Power switch and indicator light into the Muncie Power switch bracket. (Note: Ford Auxiliary switches cannot be used for the "Stationary AND Mobile" installations.

With wiring connected, test the vehicle. With the Truck in park and the **PTO switch in the "Off" position**, start the engine. Listen for a few seconds for any unnatural noises. **Always stay clear of rotating components.** Should an unnatural noise occur, **SHUT OFF the engine and remove the ignition keys.** Remove the PTO and examine both the PTO gear and transmission gear for any defects.

The potentiometer can now be adjusted to the desired voltage for the engine operation speed.

When satisfied with the PTO installation, check the transmission oil level and fill to proper level per the instructions found in the vehicles operator's manual. Adding a PTO will require adding transmission fluid. Run engine for 5 to 10 minutes and check for leaks. Always stay clear of rotating components and never go under the truck with the engine running.

**Shut OFF engine and remove the ignition keys.** Inspect the capscrews to make sure they are properly tightened. Mounting bolts/nuts should be checked on a regular basis.

**Operating instructions on page 4.**

**Return to the FR6&\* IN16-06 installation instructions to complete the PTO installation.**

# OPERATING INSTRUCTIONS

*Read entire manual before starting installation.*

## **PTO OPERATION:**

### **Mobile Vehicle**

1. Vehicle must be wired for mobile operation.
2. With the vehicle engine operation at idle and the parking brake set, engage the PTO by pushing the rocker switch to the “engage” position.
3. Release the parking brake, shift the transmission into a drive or reverse selection.
4. The Torqshift® transmission is designed to allow PTO operation in all gears including over-drive.

### **Switchable: Stationary/Mobile**

1. When switching between modes, a 1-2 second pause in the center “OFF” position is required for the SEIC to recognize the change.



**Muncie®  
Power  
Products**

*A Member of the Interpump Group*  
IN18-08 (Rev. 01-19)

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