



MUNCIE POWER PRODUCTS

Product Bulletin #00058

Subject: Production Release SH Series PTO with E80 Gear Designation

Date: June 19th, 2018

URL: www.munciepower.com

The SH Series PTO is now available for the Eaton Endurant transmission (also known as PACCAR transmission), the information for which can be found on application page FULL-58.

The PTO must be ordered with gear code "E80" and PTO mounting code "F". The SH for the Endurant is available in 07, 09, and 12 ratios only.

Example P/N: SH8F-E8009-P1BX

All PTOs with the E80 gear designation will ship with a special gasket that eliminates the need to check backlash.

DO NOT USE PAPER GASKETS ON THIS APPLICATION!
The Endurant transmission uses special transmission fluid (Eaton PS386) that is destructive to paper/ fiber type gaskets.

The PTO is driven from a main transmission gear, which requires that the PTO have a large input gear in order to reach it. This results in the SH8F-E80 PTO having a non-standard housing in order to provide clearance for the gear.

The TG and 82 series PTOs for the Endurant are also available, and were released in January.

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All Series PTOs on Endurant transmissions:

Additional Special Oil is required during installation. Eaton Spec PS386. Contact Dealer.

Special wiring connection to the transmission will be required to control the PTO operation. It is recommended that the vehicle be purchased with the PTO activation factory supplied. Contact Chassis Dealer for appropriate order codes.

PTO operation is similar to the Automatic transmission.

- Stationary or Mobile Operation.
 1. Set parking brake, press service brake.
 2. Select "D" on Transmission Interface, then engage PTO.
 3. For Stationary: Select "N" on Trans. Interface, Go to step 5.
 4. For Mobile: Release the parking brake, Select forward (only 2nd or 4th) or reverse mode (R2) (see NOTE below) as required for operation. This is the common "creep mode" as found on Eaton Ultra Shift trucks. This is not an "engine driven" PTO gear and the PTO is subject to road speed and vehicle movement. If the vehicle is in "D" and not moving, then the PTO is also not rotating.
 5. Release service brake to engage the clutch and operate PTO.
 6. Raise engine speed as required for application.

NOTE: Mobile operation in R2 (reverse) or 2nd or 4th (forward) gear is available, but disabled in the default programming. Contact the chassis dealer for enabling, if needed.

Literature:

FULL 58	Muncie QR Application page
MI17-27	Endurant PTO Flier
IN17-11	Mounting Instructions
IN17-12	Activation Instructions
IN17-04	PTO Operator's Manual

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