

## New 248 Series for MY2011 Ford Super Duty Trucks

The 248 Series Power Take-Off (P.T.O.) is specifically designed for Ford Model Year (MY) 2011 Super Duty Trucks with Ford's new 6-speed "TorqShift 6" transmission (6R140) and 6.7 V8 Diesel Engine.

The new Ford Automatic Transmission features a P.T.O. transmission gear this is linked through the transmission torque converter to the crankshaft. The engine driven (live drive) P.T.O. gear now provides you with continuous power to the P.T.O. anytime the engine is running and opens up applications that were not available when the P.T.O. gear was behind the torque converter.

Chelsea engineering has worked with Ford engineering to provide you with the P.T.O. that will meet all your application requirements with P.T.O./Pump options.

### Features and Benefits

- Simpler P.T.O. installation on 4 x 4 and 4 x 2 models – Reduced installation time and more cost effective
- Torque Rating Up to 200 Lbs.ft of torque - coverage for most application requirements
- Large Selection of pumps – Provides Maximum Clearance for your tough applications. Flows from 2.4 gpm to 25.1 gpm. **NOTE:** The CGP-P11 Pumps for the 248 Series come with longer through bolts than used on the 247 Series. See New Application Page FRD-10 for order codes and model numbers. DO NOT use these bolts with P11 pumps on the 247 Series.
- Single Hose Connection and Integrated Cartridge Valve – Chelsea set these industry standards with the 247 Series and continues these ease of installation features with the 248 Series
- P.T.O. Output Speed of 124% of engine – Allows for wide coverage of applications
- New Wiring Harness Design – Includes a Potentiometer for setting engine speed
- Current Outputs – "XD" 1.25" Round w/Keyed Shaft, "XE" SAE "A" 2 Bolt .625" - 9 tooth, "XP" SAE "A" 2 Bolt .875" – 13 tooth and "AD" SAE "A" .750" – 11 tooth

A new application page has been created for the TorqShift 6 transmission use FRD-10 for all applications using the new Ford 6-speed automatic.

**NOTE:** Ford will still provide the 5R110 transmission (TorqShift) for MY2011 with the gas engine option. Chelsea's 247 Series is available for applications using the 5 speed transmission. Use Chelsea Application page FRD-9.

Orders may be taken on or after March 1, 2010 with shipments scheduled to start April 5, 2010.

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## **Ford MY2011 Powertrain Summary**

- **New 6.2L 2V V8 Gas Engine**  
Replaces 5.4L - Major upgrade in performance & fuel economy  
6R Transmission - NO P.T.O. Option
- **New 6R140 6 Speed Auto Transmission (TorqShift™ 6)**  
Standard with 6.2L Gas & 6.7L Diesel  
Live Drive P.T.O. Capable (Diesel)  
Supports both Stationary & Mobile Modes
- **Carryover (C/O) 6.8L V10 Gas Engine**  
Available with c/o 5 speed Auto Transmission (5R110) Stationary Only  
Available on F-450/F-550 chassis cabs only
- **Manual Transmission Discontinued**  
**Effective MY2011 Super Duty Trucks**

**Also included with this bulletin is a new application page FRD-10 dated March 2010. Replace current FRD-10 in you applications book with this new updated page.**

If you have questions about this bulletin or other technical questions, contact us at:

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