

ATTENTION

INFORMATION RESOURCE PERTAINING
TO FUNCTION, OPERATION OR
MAINTENANCE OF A PRODUCT

TECHNICAL BULLETIN

Bulletin No.: TB01014

Date: June 15, 2010

Title: PTO Noise and Unwanted PTO Disengagement

Product Series/Model: 2011 Ford F-550 w/6.7L Diesel Engine

PTO Noise – See Ford information below:

Author:	TOCONNOR
Tracking Number:	070-2010-1481
Author Tracking Number:	070-2010-0047
Title:	2011 F-Super Duty equipped with 6.7L Diesel Engine and 6R140 Transmission - PTO Noise/Do Not Attempt Repair
Article Type:	SSM

SSM Text:

Some 2011 F-Super Duty vehicles equipped with a 6.7L Diesel Engine and 6R140 Transmission may exhibit a noise upon installation of a PTO. The noise (rattle, chatter, etc) only occurs when the PTO is not engaged and goes away with increased engine speed. The noise does not indicate a problem with the PTO or the transmission. It is the result of the engine firing pulses being transferred into the PTO geartrain. The noise will vary between truck chassis, engines, transmissions and PTO manufacturers due to the stiffness of the systems as well as the variation in the components. It does not affect the performance or durability of the truck or the PTO. This is a normal PTO characteristic and repairs should NOT be attempted.

PTO – Unwanted disengagement:

The 2011 Ford F-550 power train control system contains a newly added feature that will disengage the PTO if the chassis engine speed falls below the elevated idle set point by 50 rpm or more over a 5-second period. Commonly applied loads, such as a PTO driven hydraulic system powering a crane or air compressor have been observed to cause unwanted PTO disengagement.

The PTO can be re-engaged by toggling the PTO switch in the chassis cab off, and then back on OR by momentarily pressing the engine start switch on the crane remote. Experience has shown that during normal crane and air compressor operation, disengagement, and consequently the need for re-engagement, happens frequently.

Ford's Diesel Calibration engineering department is looking into the issue. Upon determining the appropriate modification, they have indicated that they will release a program update for the chassis, which will have to be re-flashed at your local Ford dealership. The current estimated availability for the programming update is July 31, 2010.



Maintainer Corporation of Iowa, Inc.
1701 S. 2nd Ave., Box 349
Sheldon, IA 51201
P: 800-831-8588 F: 712-324-3526
www.maintainer.com