

# **Ford PowerStroke Speedometer Recalibration Procedures**

As quoted from the Ford Body Builder's Manual

Ford Body Builder's Manual  
2003 Model Year PowerStroke diesel

Page 206 Appendix  
Electrical Wiring  
Powertrain Control System Application

## SPEEDOMETER CALIBRATION

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- 1) Ensure all harness connections are plugged in.
- 2) Using Rotunda New Generation Star (NGS) scanner and Version 3.2 or higher Service Card, Plug into the DCL connector. [ADDED: Do not use a service card version later than early 2001 model year. This will not work if you try to use a service card dated after the 2002 models came out. But it will work on 2002 or earlier trucks (and probably on 2003 too) if you use a Service Card for 2001 or earlier SuperDuties.]
- 3) Turn Key on w/Engine Off.
- 4) Select Service Bay Functions
- 5) Select ABS Module or 4WABS Module depending on application.
- 6) Select Tire Size/Axle Ratio Configure.
- 7) Enter tire manufacturer's specification of revs/mile (tire revolutions per mile). If not available, use Formula of:  $63360 \text{ Divided by the Circumference of the tire measured in inches. Add 2 zeros in front of the solution. Enter this number into the NGS as the REV.PER MILE figure.}$   
 [ADDED: To be even more accurate, enter the following rev/mile:  
  
For 285/75R16 tires enter 00636  
For 295/75R16 tires enter 00626  
For 315/75R16 tires enter 00601
- Do not try to enter a number less than 00601.]
- 8) Select Tone Ring size and verify that 120 is programmed in.
- 9) Select <Option> and press TRIGGER.
- 10) Select <Vehicle> and press TRIGGER.
- 11) Press <Done> and the Module will be reprogrammed.

12) Check Speedo accuracy.