

- **DRIVEABILITY—P0340 CAMSHAFT POSITION SENSOR FALSE DIAGNOSTIC TROUBLE CODE—VEHICLES EQUIPPED WITH 7.3L DIESEL ENGINE ONLY**
- **TRANSMISSION—4R100—DELAYED 3-4 SHIFT—VEHICLES EQUIPPED WITH 7.3L DIESEL ENGINE ONLY**

**Article No.  
03-21-48**

**FORD:** 2002 E SERIES, EXCURSION, SUPER DUTY F SERIES

Article **02-24-4** is being republished as part of a consolidated 7.3L diagnostic aid booklet, and to update the calibration table.

**ACTION**

Reprogram the Powertrain Control Module (PCM) to the latest level. Refer to the PCM Calibration Information Chart for details.

**ISSUE**


Some 2002 MY 7.3L DIT F-Super Duty, Econoline & Excursions may exhibit the occurrence of P0340 Camshaft Position Sensor false Diagnostic Trouble Code (DTC). F-Super Duty & Excursion may exhibit a late 4R100 3-4 shift (hanging in 3rd gear) at light throttle due to potential lack of converter lock-up occurring after 2-3 shift (most prevalent on 3.73:1 axle ratio vehicles). This may be caused by the Powertrain Control Module (PCM) Calibration.

**NOTE:** The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford, Lincoln, or Mercury dealership to determine whether the Bulletin applies to your vehicle.

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PCM CALIBRATION INFORMATION							
Application	Old Part Number (-12A650-)	Old Tear Tag	New Part Number (-12A650-)	New Tear Tag	Old Calibration	New Calibration	NGS/WDS Qualifier
2002 7.3L M/T F250/350 Federal	2C3F-BC	AEB2	2C3Z-BE	AEB4	2F729Q0A06	2F729Q0A10	WDS Release B27.8 or Later
2002 7.3L M/T F450/550 50S	2C3F-CC	GDU2	2C3Z-CE	GDU4	2F729R0506	2F729R0510	WDS Release B27.8 or Later
2002 7.3L M/T F250/350 Calif	2C3F-GC	ZRE2	2C3Z-GD	ZRE4	2F729M0506	2F729M0510	WDS Release B27.8 or Later
2002 7.3L A/T F250/350 Federal	2C3F-DC	VDH2	2C3Z-DF	NWM0	2F719S0A06	2F719S0A10	WDS Release B27.8 or Later
2002 7.3L A/T F250/350 Fed/CFFV	2C3F-LC	KEK2	2C3Z-LF	TMA0	2F719W0A06	2F719W0A10	WDS Release B27.8 or Later
2002 7.3L A/T F450/550 50S	2C3F-EC	BXE2	2C3Z-EF	PBY0	2F719T0506	2F719T0A10	WDS Release B27.8 or Later
2002 7.3L A/T F450/550 CFF/LEV	2C3F-FC	VDU2	2C3Z-FF	RDW0	2F719P0A06	2F719P0A10	WDS Release B27.8 or Later
2002 7.3L A/T F250/350 Calif	2C3F-HC	QLJ2	2C3Z-HD	QLJ3	2F719N0B06	2F719N0B10	WDS Release B27.8 or Later
2002 7.3L A/T Excursion 50S	2C3F-AC	NQW2	2U7Z-DMA	NQW3	2L119Y0506	2L119Y0510	WDS Release B27.8 or Later
2002 7.3L A/T Econoline Federal	1C2F-AFC	HPI2	1C2Z-AFE	HPI3	1E419M0A10	1E419M0A11	WDS Release B27.8 or Later
2002 7.3L A/T Econoline Fed 3.55:1	1C2F-AGC	VLB2	1C2Z-AGE	VLB3	1E419S0A10	1E419S0A11	WDS Release B27.8 or Later
2002 7.3L A/T Econoline Calif	1C2F-AHC	HJH2	1C2Z-AHE	HJH3	1E419N0B10	1E419N0B11	WDS Release B27.8 or Later
2002 7.3L A/T Econoline Calif 3.55:1	1C2F-AJC	IQW2	1C2Z-AJE	IQW3	1E419T0B10	1E419T0B11	WDS Release B27.8 or Later

Obtain an Authorized Modifications Decal (FPS 8262 - obtainable through DOES II, 25/pkg) and list the date, dealer number, and summary of modifications performed. Select a prominent place adjacent to the Vehicle Emission Control Information Decal suitable for installing the Authorized Modifications Decal. Clean the area, install the decal, and cover it with a clear plastic decal shield.

		<b>AUTHORIZED MODIFICATIONS</b>	
<b>THE FOLLOWING MODIFICATIONS HAVE BEEN MADE:</b>			
<i>Replaced or Reprogrammed Powertrain Control Module (PCM) per TSB 03-21-48.</i>			
THESE MODIFICATIONS HAVE BEEN APPROVED, AS APPROPRIATE, BY EPA AND CARB.			
DEALER NUMBER:		DATE:	
CHANGE AUTHORITY:			
FPS 8262 9/78		FORD MOTOR COMPANY PRINTED IN U.S.A.	

**OTHER APPLICABLE ARTICLES:** NONE  
**SUPERSEDES:** 02-24-4  
**WARRANTY STATUS:** INFORMATION ONLY