

**DRIVEABILITY—ROUGH IDLE AND/OR HESITATION
ON ACCELERATION—VEHICLES EQUIPPED WITH
5.4L OR 6.8L ENGINE ONLY**

**Article No.
03-9-11**

FORD: 2000-2003 E-350, E-450, EXCURSION, SUPER DUTY F SERIES

ISSUE

Some F250-F550 Super Duty and Excursion vehicles equipped with a 5.4L or 6.8L engine, and some E350/450 vehicles equipped with a 6.8L engine may exhibit a rough idle and/or hesitation when accelerating. This may occur intermittently within the first 2-3 minutes after start when engine is not warmed up (ie., conditions other than hot restart). The condition is more likely to occur at ambient temperatures of approximately 60° F (16° C) and higher, and may be aggravated by an unmetered air leak or exhaust leak.

ACTION

This article must be followed as specified to effectively correct symptoms. Read the article completely before starting service. Refer to the following Service Procedure for details.

SERVICE PROCEDURE

F250-F550 Super Duty and Excursion

Service any unmetered air leak, exhaust leak, wiring or other related concern. Replace both front HO2S sensors with the part number listed in this article.

E350/E450

Refer to the E-Series Only PCM Calibration Chart. Do not perform this TSB if the vehicle's calibration is not listed in the chart. Service any unmetered air leak, exhaust leak, wiring or other related concern. Replace both front HO2S sensors with the part number listed in this article.

1. Refer to the following PCM Calibration Chart **FOR E-SERIES ONLY** to verify that vehicle is addressed by this TSB. Do not perform this TSB on an E-Series vehicle if the calibration is not listed in the E-Series Only PCM Calibration Chart.

E-SERIES ONLY PCM CALIBRATION CHART			
Application	Calibration	Part Number (-12A650-)	Tear Tag
2000 E450 6.8L 50S	0E418N0511	YC2F-AAE	MXK4
2000 E350 6.8L Fed	0E418P0A11	YC2F-ABE	CIS4
2001 E450 6.8L 50S	1E418N0510	1C2F-VC	NJE2
2001 E350 6.8L Fed	1E418P0A10	1C2F-XC	SZZ2
2002 E450 6.8L 50S	2E418N0511	2C2A-ABE	BWQ4
2002 E350 6.8L Fed	2E418P0A11	2C2A-ACE	CGL4
2003 E450 6.8L 50S	3E418N0505	3C2A-JB	YMH1
2003 E350 6.8L Fed	3E418P0A05	3C2A-KB	VVU1

2. Perform thorough diagnostics in accordance with the applicable PC/ED Workshop Manual, and service any issues.
3. Replace both front HO2S sensors, with Part Number 3S4Z-9F472-BA.


NOTE

THE NEW HO2S CONNECTOR (BLACK) REQUIRES THAT THE CLOCKING TAB LOCATED AT THE 4:00 POSITION BE REMOVED. REFER TO FIGURE 1 FOR REQUIRED ELECTRICAL CONNECTOR MODIFICATION FOR MATING WITH VEHICLE WIRING HARNESS. FOLLOWING THE MODIFICATION, VERIFY THAT CONNECTOR MATES FULLY AND LOCKING FEATURE IS ENGAGED. THE ELECTRICAL CONNECTOR HARD-SHELL COLOR OF THE NEW HO2S SENSORS WILL BE BLACK INSTEAD OF GREEN.

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.

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.

Article No. 03-9-11 Cont'd.

 AUTHORIZED MODIFICATIONS	
THE FOLLOWING MODIFICATIONS HAVE BEEN MADE: <i>Updated with 3S4Z-9F472-BA Front HO2S sensors per TSB 03-9-11</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.	

PART NUMBER	PART NAME
3S4Z-9F472-BA	Oxygen Sensor (HO2S)

OTHER APPLICABLE ARTICLES: NONE
WARRANTY STATUS: INFORMATION ONLY
OASIS CODES: 608000, 608400, 608500, 609000,
 609400, 609500, 611000, 611500,
 698298

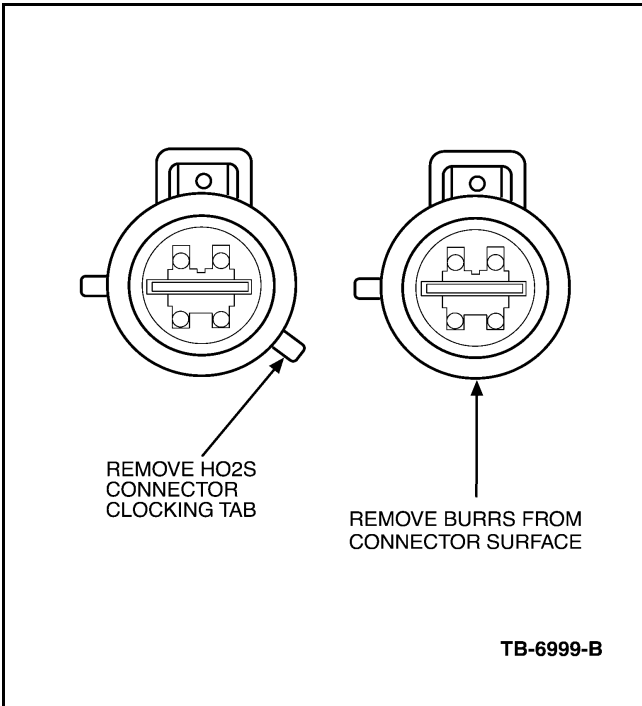


Figure 1 - Article 03-9-11