

**4.6L 2V, 5.4L 2V, OR 6.8L 2V—SPARK PLUG  
THREAD REPAIR PROCEDURE—NOT COVERED  
UNDER NEW VEHICLE LIMITED WARRANTY**

**TSB 07-21-2**

**FORD:**

1997 Thunderbird  
1997-2004 Mustang  
1997-2008 Crown Victoria  
1997-1999 F-250 Light Duty  
1997-2004 Expedition  
1997-2008 E-Series, F-150  
1998-2004 F-53 Motorhome Chassis,  
F-Super Duty

2001-2005 Excursion  
2002-2006 Explorer

**LINCOLN:**

1997-2007 Town Car  
1998-1999 Navigator

**MERCURY:**

1997 Cougar  
1997-2008 Grand Marquis  
2002-2006 Mountaineer

**ISSUE**

Some 1997-2008 vehicles equipped with a 4.6L 2V, 5.4L 2V, or 6.8L 2V engine and aluminum cylinder heads may experience a spark plug port with stripped or missing threads.

**ACTION**

Follow the Service Procedure steps to correct the condition for non warrantable repairs.

**SERVICE PROCEDURE**

Ford Motor Company now authorizes LOCK-N-STITCH aluminum insert and tool kit as a proper repair procedure.

Follow the procedure included in the tool kit for using the tools and inserts. Tool kits and inserts can be ordered from Rotunda by calling 1-800-Rotunda (768-8632). Choose option two (2), part number 302-00001.

**NOTE**

FORD MOTOR COMPANY HAS DETERMINED THAT REPAIRS MADE WITH THESE ALUMINUM INSERTS AND LOCK-N-STITCH TOOLS DO NOT AFFECT THE HEAT TRANSFER FUNCTION BETWEEN THE SPARK PLUG AND THE CYLINDER HEAD.

**NOTE**

THIS PROCEDURE IS NOT AUTHORIZED AS A FORD WARRANTY REPAIR. FOR VEHICLES WITHIN WARRANTY, REPLACEMENT OF THE CYLINDER HEAD IS RECOMMENDED.

**NOTE**

THIS IS THE ONLY FORD AUTHORIZED PROCEDURE FOR SPARK PLUG THREAD REPAIRS.

**NOTE**

THIS PROCEDURE IS AUTHORIZED FOR ESP REPAIRS AND RETAIL REPAIRS.

**WARRANTY STATUS:** Information Only - Not Warrantable

**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. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.