

TSB 06-17-8:

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SERVICE WIRING HARNESS REPLACEMENT GUIDELINES - SERVICE TIPS

Publication Date: August 17, 2006

FORD:

2000-2003 Focus

2005-2006 Focus

2005-2007 Mustang

2002 Ranger

2004-2007 F-150, Freestar

2005 Escape

2005-2007 Expedition

2007 E-Series

2006-2007 F-650, F-750

LINCOLN:

2005-2007 Navigator

2006-2007 Mark LT

MERCURY:

2004-2007 Monterey

2005 Mariner

This article supersedes TSB 05-16-12 to update vehicle lines and model years.

ISSUE:

Ford Motor Company has "consolidated" high and low content harnesses to make the service selection easier, and to reduce the number of harnesses required for service. Due to this consolidation, service replacement harnesses may or may not look exactly like the production harness being replaced. Service replacement harnesses may come equipped with additional connectors that will not be used.

ACTION:

Should replacement of a production wire harness become necessary, determine whether the harness is to be used in a WET or DRY environment, then refer to the appropriate Service Procedure below.

SERVICE PROCEDURE

NOTE: IF UNSURE WHETHER THE ENVIRONMENT FOR THE HARNESS WILL BE "WET" OR "DRY", ALWAYS TREAT AS A "WET" ENVIRONMENT.

Extra Open Connectors - Procedure For "Dry" Environment/Interior Wiring Harness:

Any extra open connectors should be tucked, folded, and taped out of the way to avoid creating a

rattle or becoming loose (Figure 1). If space allows, position the connectors so they point downward, this will avoid the connector catching water in case of a water leak.

Figure 1 - Article 06-17-8

Extra Open Connectors - Procedure For "Wet" Environment/Exterior Wiring Harness:

Cut each wire from the extra connector as close to the connector as possible (Figure 2).

Figure 2 - Article 06-17-8

Using dual wall heat shrink tubing, position tubing over each individual wire (Figure 3).

Figure 3 - Article 06-17-8

Use a shielded, flameless heat gun to heat the repair area until the tubing shrinks and adhesive flows out of both ends of the shrink tubing. While the adhesive is still hot, use pliers to pinch the ends of the heat shrink tubing closed to form a moisture proof seal (Figure 4).

Figure 4 - Article 06-17-8

Use electrical tape to bundle the wires together, then stow the bundle under an existing harness in the area.

WARRANTY STATUS:

Eligible Under Provisions Of New Vehicle Limited Warranty Coverage

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 supercede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.

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