

**FORD:**

2000-2005 Focus

This article supersedes TSB **02-25-1** to update the vehicle model years and service procedure.

**ISSUE**

Some 2000-2005 Focus vehicles may exhibit a difficult to diagnose or difficult to repair water leak or A/C system condensation leak condition in the front floor area. This may be caused by sealer skips, loose grommets, mis-positioned seals or condensation leaking from the A/C evaporator case.

**ACTION**

Determine if the concern is an A/C condensation leak or a water leak and repair as necessary. Some common water leak locations and repair recommendations are listed in this article to help reduce repair time and increase repair effectiveness.

**SERVICE PROCEDURE**

1. If possible, ask the customer the following questions to help determine when the leak occurs.
  - a. Does leak occur only when A/C is on in high heat/humidity conditions?
    - (1) If yes, proceed to A/C Condensation Leak Inspection/Repair Procedure.
    - (2) If no, or customer is unsure, proceed to question b.
  - b. Does leak occur when it is raining or when the vehicle is taken through a car wash?

- (1) If yes, proceed to Water Leak Testing and Water Inspection/Repair Procedure.
- (2) If no, or customer is unsure, proceed to A/C Condensation Leak Inspection/Repair Procedure. If no problem is found proceed to Water Leak Testing and Water Leak Inspection/Repair Procedure.

**A/C Condensation Leak Inspection/Repair Procedure**

1. Start the engine and run vehicle with A/C on, in the recirculated air position, with the blower at high speed.
2. Inspect for condensation leaks coming from the evaporator case area.
3. If condensation leaks are present replace the evaporator case with Part Number 5S4Z-19B50-BB. Refer to Workshop Manual, Section 412-02.

**NOTE**

DO NOT REPLACE THE EVAPORATOR CASE IF A CONDENSATION LEAK CANNOT BE VERIFIED.

**Water Leak Testing Procedure**

1. Using a high pressure water hose or a pressure washer, run water onto the windshield being sure to direct water over the roof ditch moldings, and down onto the cowl (Figure 1).

**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.

## TSB 05-13-3 (Continued)

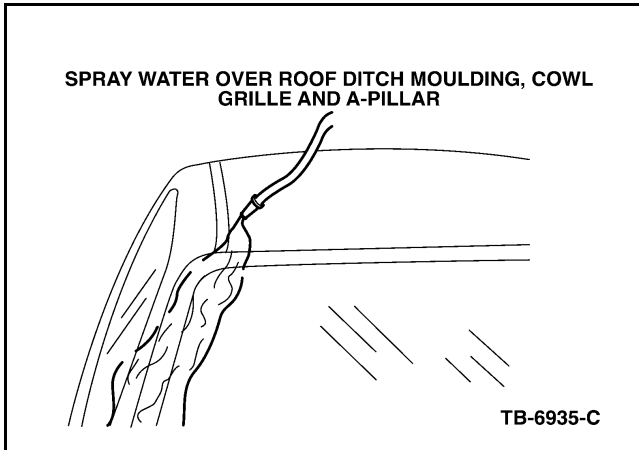


Figure 1 - Article 05-13-3

2. Open the hood and direct water (from the side of the vehicle) into the base of the A-pillar in the hood hinge area (Figure 2).

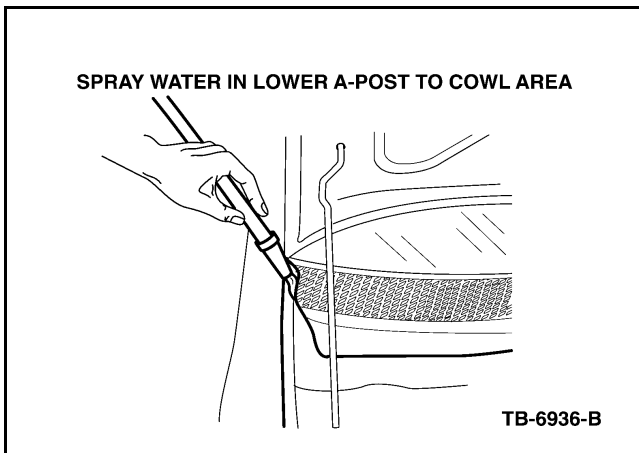


Figure 2 - Article 05-13-3

3. Remove right front inner splash shield and direct water into the back of the right front wheel well area (Figure 3). Refer to Workshop Manual, Section 501-02.
4. Proceed to Water Leak Inspection/Repair Procedure.

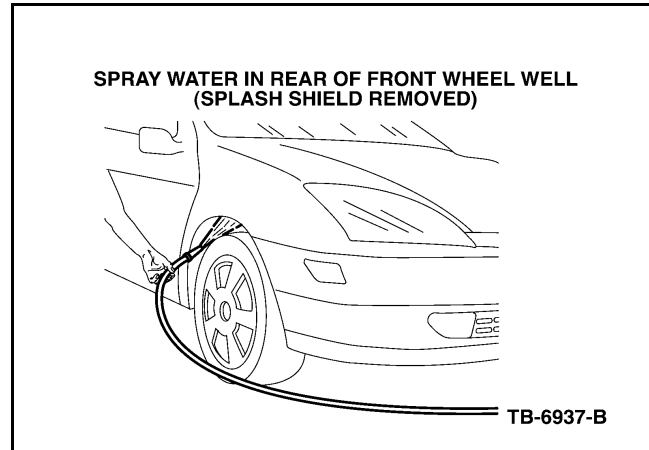


Figure 3 - Article 05-13-3

### Water Leak Inspection/Repair Procedure

Inspect the following areas for visible signs of leaks and follow the appropriate repair steps.

**Water is visible at Blower Motor Connector, Blower Motor Resistor, Blower Motor Mounting Flange, or Foot Air Duct:**

#### **NOTE**

THE MOST LIKELY SOURCE OF THE LEAK IS THE FRESH AIR INTAKE. WATER ENTRY INTO THE AIR INLET HOUSING MAY BE VISIBLE BY LOOKING THROUGH THE RECIRCULATION DOOR AS IT IS OPEN AND CLOSED. TO DO THIS, REMOVE THE GLOVE BOX, TURN THE IGNITION KEY TO THE ON POSITION AND PUSH THE RECIRCULATION BUTTON.

1. Remove the cowl panel grille and inspect for gaps between the pollen filter housing gasket and sheet metal plenum (2000-2003 model years) or skips in the sealer around the pollen filter housing (2004-2005 model years).
2. If gaps are present inspect for bent plenum sheet metal flanges and repair as necessary.
3. Seal around the pollen filter housing perimeter using Clear Silicone Rubber (TA-32).

**Water is Visible on Evaporator Case Seal at the Heater Core Inlet/Outlet:**

1. Inspect for a mis-positioned evaporator case seal at the heater core inlet/outlet. Repair as necessary (Figure 4).

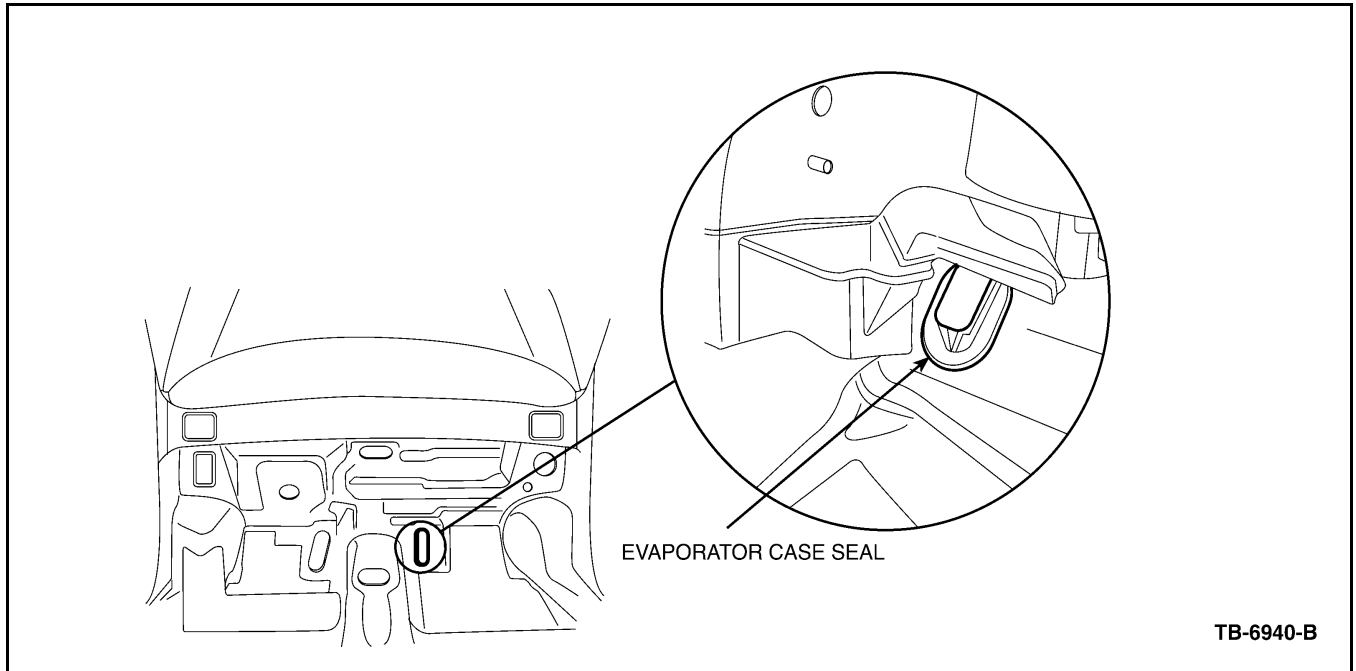


Figure 4 - Article 05-13-3

2. Inspect for loose evaporator case housing attachment nuts. Repair as necessary.

2. Inspect for wire harness body grommet loose or mis-positioned. Reposition or reinstall grommet as necessary (Figure 6).

**Water is Visible in the Right Kick Panel/A-Post Area**

**NOTE**

IT MAY BE NECESSARY TO REMOVE THE INSTRUMENT PANEL TO FULLY ACCESS AND REPAIR SOME LEAK SOURCES. FOLLOW WORKSHOP MANUAL SECTION 501-12 IF INSTRUMENT PANEL REMOVAL IS NECESSARY.

1. Inspect for sealer skip behind roof ditch moldings. Fold the ditch molding back and inspect for a pinhole in the body seal just above the windshield. Reseal as necessary with Motorcraft Roof Ditch Sealer (TA-15) (Figure 5).

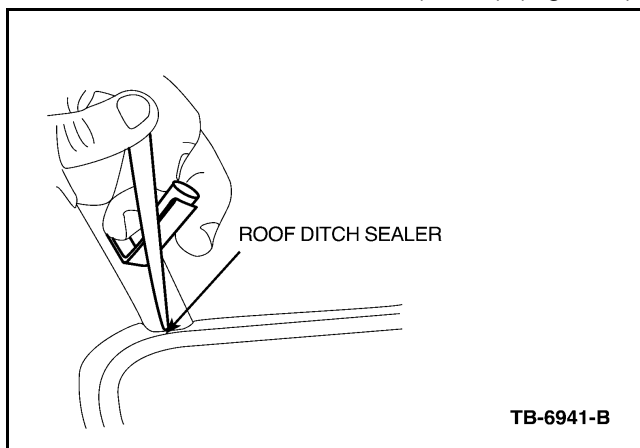


Figure 5 - Article 05-13-3

## TSB 05-13-3 (Continued)

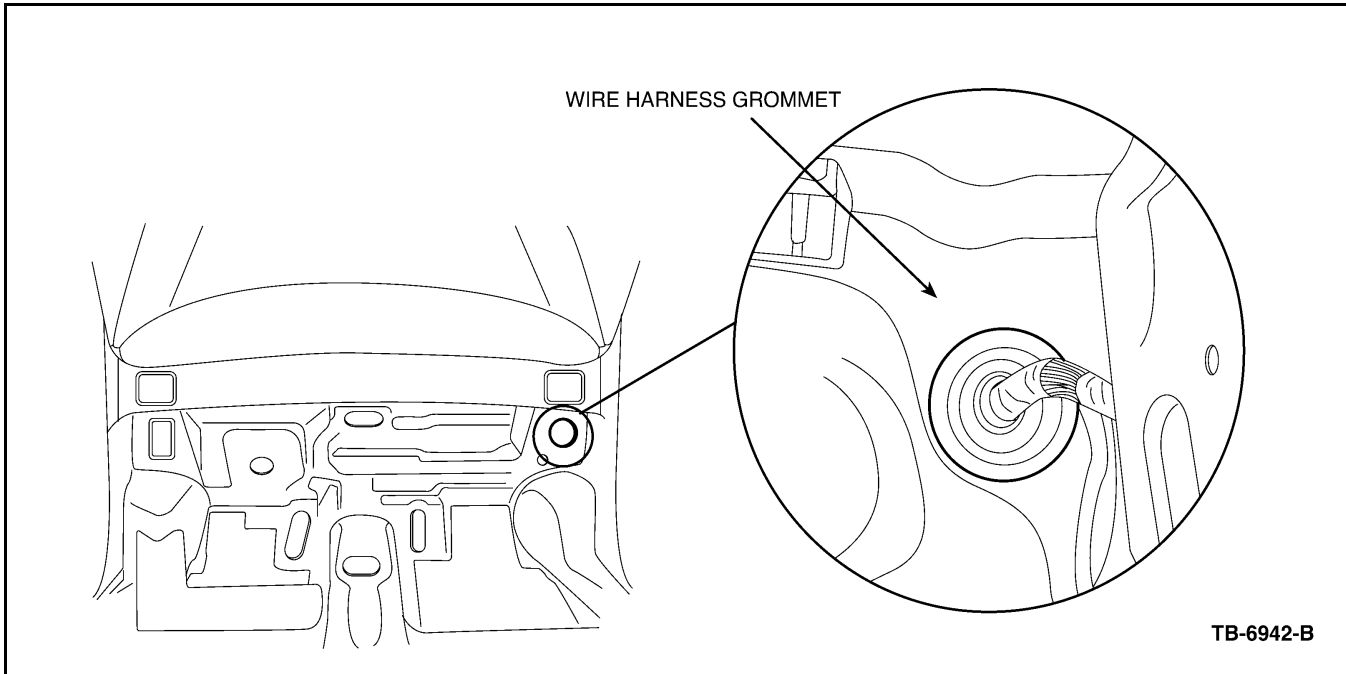


Figure 6 - Article 05-13-3

3. Inspect for skip in windshield urethane. Reseal as necessary.
4. Inspect for sealer skip in A-post to cowl joint. Reseal as necessary (Figure 7).

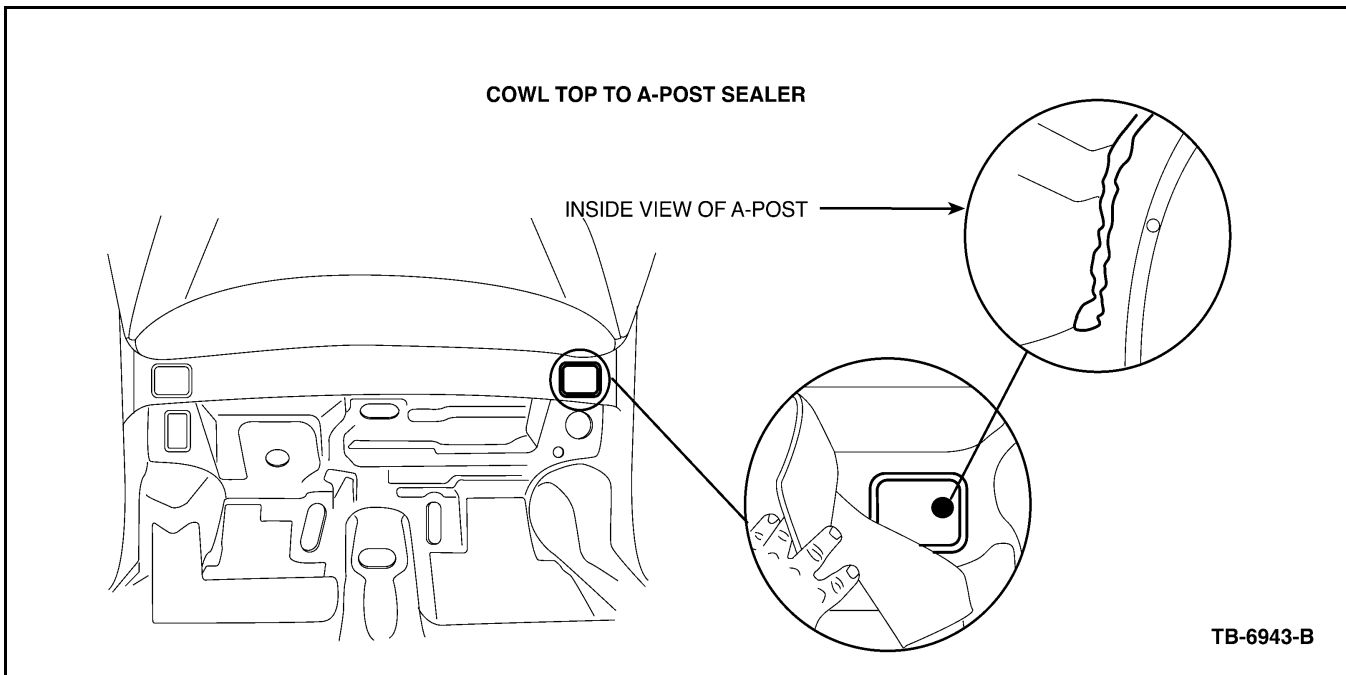


Figure 7 - Article 05-13-3

5. Inspect for sealer skips between cowl top to bulkhead, just above main harness grommet (Figure 8).

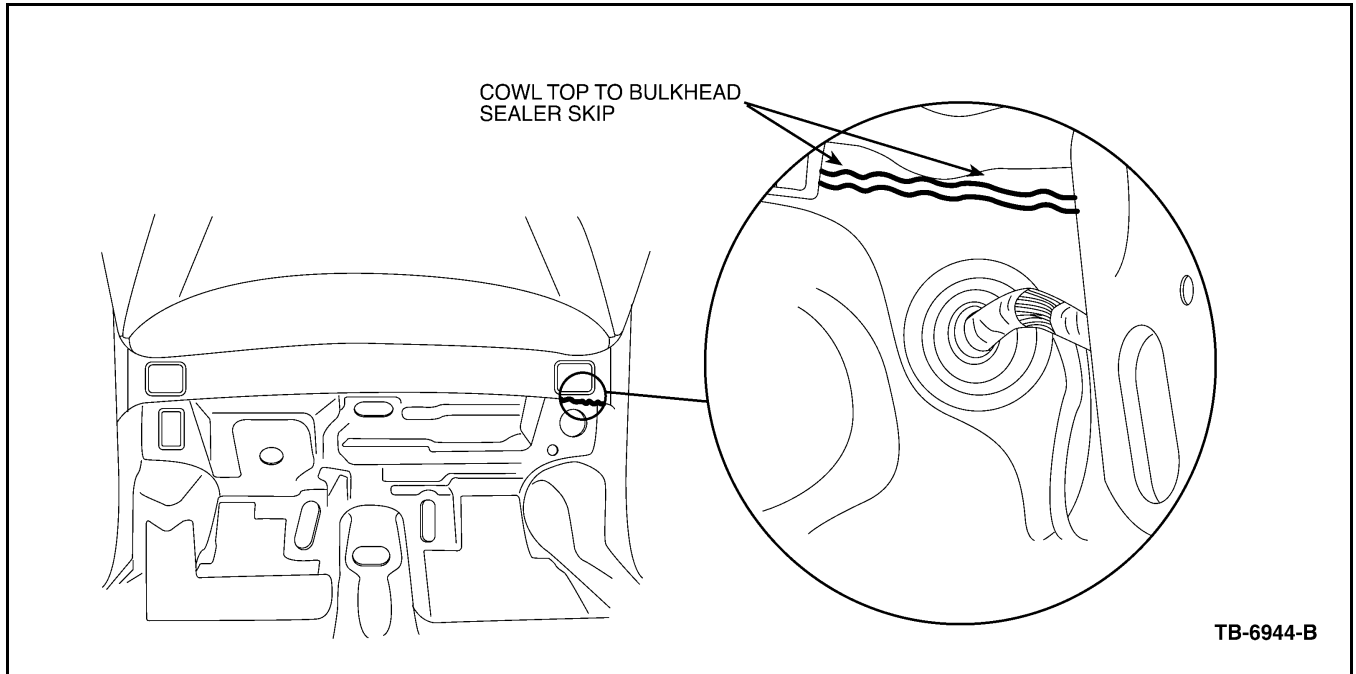


Figure 8 - Article 05-13-3

PART NUMBER	PART NAME
5S4Z-19850-BB	A/C Evaporator Case
TA-32	Clear Silicone Rubber
TA-15	Motorcraft Roof Ditch Sealer

**WARRANTY STATUS:** Eligible Under Provisions Of  
New Vehicle Limited  
Warranty Coverage

**DEALER CODING**

BASIC PART NO.	CONDITION
19850	CODE 68