Affected Vehicles:
1999 – 2003 FORD Windstar equipped with AX4N transmission
2004 – 2007 FORD Freestar equipped with AX4N transmission
2004 – 2007 Mercury Monterey equipped with AX4N transmission

Issue:
Affected vehicles built before 6/22/2006 (listed above) may exhibit engine / transmission drivability issues due to water intrusion. Water may enter the Powertrain Control Module (PCM) and/or the transaxle vent. Symptoms may include presence of various diagnostic trouble codes (DTC's), harsh or delayed transmission shifts / engagements, no reverse engagement, engine overheating, engine lean condition, and rough idle.

Cause:
The water leakage is likely due to the PCM connector cover not seating properly and/or water leaking down from the cowl top vent panel area.

Action:
Prior to performing any transmission repairs, inspect vehicle for evidence of water damage at PCM, PCM connector, and transaxle vent. Inspect transmission fluid for presence of water.

If presence of water is detected in the PCM or transmission fluid, follow the repair instructions per the service procedure as listed below. This procedure lists steps for servicing the water leak path in the cowl panel grille area, and also for servicing the PCM.

Service Procedure Reference:
FORD TSB 6-14-10, issued July 24, 2006 (supersedes FORD TSB 5-23-7 issued November 28, 2005)
FORD:
1999-2003 Windstar
2004-2007 Freestar

This article supersedes TSB 05-23-7 to update the Service Procedure and model years.

ISSUE
Some 1999-2003 Windstar and 2004-2007 Freestar / Monterey vehicles built prior to 6/22/2006 may exhibit engine / transmission driveability issues due to water entering the powertrain control module (PCM) or transaxle vent. Symptoms may include various diagnostic trouble codes (DTCs), harsh or delayed transmission shifts / engagements, no reverse engagement, engine overheat, engine lean condition causing a misfire (possibly leading to melted electrodes on the spark plugs), and rough idle. The water leakage may be due to the PCM connector cover not seating completely and water leaking down from the cowl panel grille (cowl top vent panel) area.

ACTION
During normal diagnostic and repair procedures, inspect for evidence of water damage at the PCM, PCM connector, and/or transaxle. If present, inspect the sealing area of the PCM cover, seal the water leak path in the cowl panel grill area, and service the PCM as needed per the following Service Procedure.

SERVICE PROCEDURE
Disconnect the PCM connector. Remove the PCM cover from the studs in the bulkhead. (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.
7. Remove the lower cowl panel assembly. (Figure 6)
   a. Remove the ten (10) bolts.
   b. Remove the lower cowl panel assembly.

8. Obtain two (2) PVC soft foam adhesive stripes (164-R4901) from the Rotunda Squeak And Rattle Kit (164-R4900).

9. Cut both of the PVC soft foam adhesive stripes in half, lengthwise, so you have four (4) pieces 7/8" x 6" (22 mm x 152 mm). (Figure 7)

10. Clean the metal body surface under the lower cowl panel, in the area above the transaxle and the area above the PCM.

11. Place two (2) of the cut pieces of the PVC soft foam adhesive stripes on the metal body surface over the transaxle area. The two ends need to touch, do not allow any gap between the two ends. (Figure 8)
12. Place the other two cut pieces of the PVC soft foam adhesive stripes on the metal body surface over the PCM area. The two ends need to touch, do not allow any gap between the two ends. (Figure 9)

13. Check that the three (3) rubber plugs and five (5) gray plastic clips are fully seated. Add Clear Silicone Rubber around the three (3) rubber plugs and the five (5) gray plastic clips. (Figure 10)

14. Remove and discard the two rubber plugs on the bottom of the cowl sheet metal. (Figure 11)

15. Install the lower cowl panel and 10 retaining bolts. (Figure 12)

16. Connect the electrical connector. (Figure 13)
17. Install the upper cowl panel grille.

18. Install the windshield wiper hose.

19. Install four (4) new pushpin screw/rivets to secure the upper cowl to the lower cowl. Add Clear Silicone Rubber to the four (4) pushpin screw/rivets to make a watertight seal around them. (Figure 14)

20. Add Clear Silicone Rubber to the front seam between the upper and lower cowl in the area above the transaxle. (Figure 15)

21. Install wiper pivot arms. (Figure 16)

**NOTE**  
APPLY THREADLOCK TO THE PIVOT ARM NUT.

22. Check the wiper pivot arm adjustment.

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>PART NAME</th>
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<tbody>
<tr>
<td>NS08322-S</td>
<td>Pushpin Screw/Rivet (4 per repair)</td>
</tr>
<tr>
<td>TA-32</td>
<td>Clear Silicone Rubber</td>
</tr>
<tr>
<td>TA-28</td>
<td>Threadlock 262</td>
</tr>
<tr>
<td>164-R4901</td>
<td>PVC Soft Foam Adhesive Stripes - Rotunda Part (2 per repair)</td>
</tr>
</tbody>
</table>

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

**OPERATION**  
061410A  
2004-2007  
Freestar/Monterey,  
1999-2003 Windstar;  
Inspect And Seal The Cowl Panel Grill Area (Do Not Use With 17526A, 17566A, 17508A, 17603A)  
1.0 Hr.
MT061410 Claim Additional Labor Required As Actual Time
Or Use SLTS Operation If Available

DEALER CODING

BASIC PART NO. CONDITION
7002030 CODE

68