

SPARK KNOCK UNDER LIGHT LOAD AND ACCELERATION—3.8L, 3.9L, AND 4.2L—SPLIT PORT INTAKE MANIFOLD RUNNER CONTROL (IMRC)

TSB 07-16-17

FORD:

2001-2004 Mustang
1996-2003 Windstar
1997-2003 E-150

1997-2008 F-150
2004-2007 Freestar

MERCURY:

2004-2007 Monterey

ISSUE

Various vehicles equipped with a 3.8L, 3.9L or 4.2L engine and Split Port IMRC may exhibit spark knock under light load and acceleration.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

Inspect for disconnected IMRC actuator rods.

1. Check both right hand and left hand side IMRC rods are properly attached to the actuator motor and intake manifold runner.
2. If the IMRC actuator rods are found to be connected properly, do not continue with this TSB. Refer to Powertrain Control/Emission Diagnosis Manual.
3. If any IMRC actuator rods are disconnected, refer to Workshop Manual (WSM), Section 303-14 for IMRC service.
4. If any IMRC actuator rod linkages are found disconnected, replace all four (4) linkage rod retainers. (Figure1)

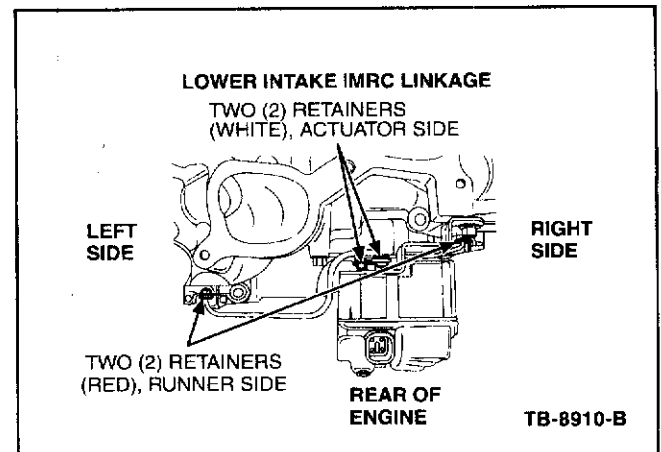


Figure 1 - Article 07-16-17

| PART NUMBER | PART NAME |
|---------------|---|
| F5RZ-9F955-AB | Retainer - Actuator Side (2 Required - White Color) |
| 6F2Z-9F955-A | Retainer - Runner Side (2 Required - Red Color) |

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage
IMPORTANT: Warranty coverage limits/policies are not altered by a TSB. Warranty coverage limits are determined by the identified causal part.

| OPERATION | DESCRIPTION | TIME |
|-----------|--|-------------|
| MT071617 | Use SLTS Operations If Available; Claim Additional Diagnosis Or Labor Performed As Actual Time | Actual Time |

DEALER CODING

| BASIC PART NO. | CONDITION CODE |
|----------------|----------------|
| 9F955 | 33 |

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.