

2003 Ford Mustang V8-4.6L SOHC VIN X

Vehicle > Technical Service Bulletins

FUEL SYSTEM - FUEL PRESSURE RELIEF VALVE DISCONTINUED

Article No.

02-23-3

11/25/02

^ DRIVEABILITY - FUEL PRESSURE RELIEF VALVE
(SCHRADER VALVE) DISCONTINUED

^ ENGINE - 3.0L/3.8L/4.6L - FUEL PRESSURE RELIEF
VALVE (SCHRADER VALVE) DISCONTINUED

FORD:

2002 TAURUS

2003 CROWN VICTORIA, MUSTANG

LINCOLN:

2003 TOWN CAR

MERCURY:

2002 SABLE

2003 GRAND MARQUIS

Article 02-11-1 is being republished in its entirety to update the model year coverage.

ISSUE

2002 Taurus/Sable vehicles equipped with the 3.0L 2V built after 4/8/2002 and vehicles equipped with the 3.0L 4V Duratec built after 5/8/2002, 2003 Crown Victoria/Grand Marquis/Mercury Marauder and Lincoln Town Car equipped with 4.6L 2V/4V built after 09/15/2002, and 2003 Mustang equipped 3.8 & 4.6 2V/4V built after 09/15/02, will no longer have the Fuel Pressure Relief Valve (Schrader Valve).

ACTION

To relieve or manually check fuel pressures, refer to the following Service Procedures for details.

SERVICE PROCEDURE

Service Procedure For Relieving Fuel Pressure

1. Remove the fuel pump relay or fuse in the engine compartment fuse box, refer to chart listed in this TSB for fuse location.
2. Start the engine and allow idling until the engine stalls.

3. After the engine stalls, crank the engine for approximately five seconds to ensure the fuel injection supply manifold pressure has been released.
4. When fuel system service is complete, install fuel pump relay or fuse.
5. Cycle key and wait 3 seconds to re-pressurize the fuel system. Check for leaks before starting engine.

NOTE

IT MAY TAKE MORE THAN ONE KEY CYCLE TO RE-PRESSURIZE THE FUEL SYSTEM.

6. Start engine and check for leaks.

NOTE

IT IS POSSIBLE THAT A DTC MAY BE SET DUE TO THE PUMP RELAY BEING PULLED AND THE ENGINE STARTED AND RUN OUT OF FUEL. IF DTC'S ARE SET, CLEAR ALL DTC'S BEFORE RETURNING VEHICLE TO THE CUSTOMER.

Service Procedure For Manually Checking Fuel Pressure With A Gauge

FUEL VALVE SERVICE PORT ADAPTOR CHART					
Vehicle	Model Year	Engine	Tool Number	Fuel Pump Relay Location (Engine Compartment Fuse Box)	Fuel Pump Fuse Location (Engine Compartment Fuse Box)
Taurus/Sable	2002	3.0L 4V	310-D003, 310-100	"K-4"/C1051	F1.14
Taurus/Sable	2002	3.0L 2V	310-D003	"K-4"/C1051	
Mustang	2003	All	310-100		
Crown Victoria	2003	4.6L 2V	310-100	"11-1"/C1051	
Grand Marquis	2003	4.6L 2V	310-100	"11-1"/C1051	
Town Car	2003	4.6L 2V	310-100	"11-1"/C1051	
Mercury Marauder	2003	4.6L 4V	310-100	"11-1"/C1051	

1. Remove the fuel pump relay or fuse in the engine compartment fuse box. Refer to chart listed in this TSB for fuse location.
2. Start the engine and allow idling until the engine stalls.
3. After the engine stalls, crank the engine for approximately five seconds to make sure the fuel injection supply manifold pressure has been released.
4. Disconnect fuel line at the fuel rail to chassis line pierce point, using special service tool number 310-D005 or equivalent.
5. Install schrader valve service port adaptor (adaptor spring lock coupling), refer to chart listed in this TSB for service tool number.
6. Install fuel pressure gage special service tool 310-012 or equivalent.
7. Install fuel pump relay or fuse.

8. Cycle key and wait 3 seconds to re-pressurize the fuel system. Check for leaks before starting engine.

NOTE

IT MAY TAKE MORE THAN ONE KEY CYCLE TO RE-PRESSURIZE THE FUEL SYSTEM.

9. Start and run engine to purge air from fuel system (Air trapped in the fuel system may effect test results).

10. Perform normal diagnostics and service repairs as needed.

11. After fuel system service is complete, relieve fuel system pressure using fuel pressure gauge relief valve.

12. Remove special service tools.

13. Re-connect fuel system lines.

14. Cycle key and wait 3 seconds to re-pressurize the fuel system. Check for leaks before starting engine.

NOTE

IT MAY TAKE MORE THAN ONE KEY CYCLE TO RE-PRESSURIZE THE FUEL SYSTEM.

15. Start engine and check for leaks.

NOTE

IT IS POSSIBLE THAT A DTC MAY BE SET DUE TO THE PUMP RELAY BEING PULLED AND THE ENGINE STARTED AND RUN OUT OF FUEL. IF DTC'S ARE SET, CLEAR ALL DTC'S BEFORE RETURNING VEHICLE TO THE CUSTOMER.

OTHER APPLICABLE ARTICLES: NONE

WARRANTY STATUS: INFORMATION ONLY

OASIS CODES: 404000, 490000, 497000, 499000, 602300, 603300, 607000, 698298

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.

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