

REMOVAL AND INSTALLATION (Continued)

Fuel Injection Pulse Dampener

Removal

1. If removing fuel pressure regulator with fuel injection supply manifold installed in vehicle, release fuel system pressure. Refer to Section 10-01.
2. Remove fuel injection pulse dampener from fuel injection supply manifold and supply line. Discard sealing gaskets.

Installation

1. Install fuel injection pulse dampener through supply line and into fuel injection supply manifold using new sealing gaskets. Tighten fuel injection pulse dampener screws to 25-34 N·m (18-25 lb-ft).
2. Run engine and check for leaks.

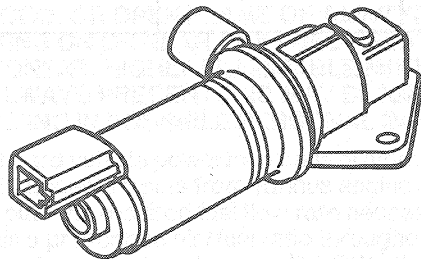
CLEANING AND INSPECTION

Preferred Cleaning Procedure

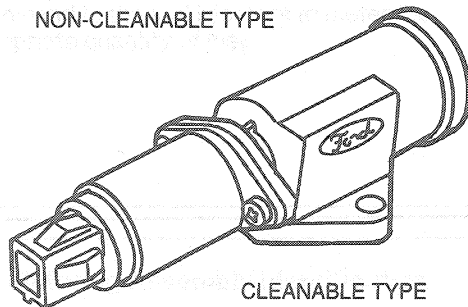
CAUTION: Do not clean black plastic bypass valves. Use only specified cleaner. Do not spray directly on throttle plate or use any type of scrubbing method. Do not run engines of vehicles with airflow meters during cleaning.

Idle Air Control Valves

IDLE AIR
CONTROL (IAC)
VALVES 9F715



NON-CLEANABLE TYPE



CLEANABLE TYPE

V7763-A

1. Ensure bypass actuator is operating properly. Refer to Powertrain Control / Emissions Diagnosis Manual³.
2. Remove throttle inlet air tube.
3. Disconnect idle air control (IAC) valve connector.
4. Connect Rotunda Air Bypass Actuator 113-00009 and Injector Tester / Cleaner 113-00001 or equivalent.
5. Start the actuator. Do not start engines of vehicles equipped with airflow meters.
6. Spray Carburetor Tune-Up Cleaner D9AZ-19579-BA (ESR-M14P9-A) or equivalent into idle air control (IAC) valve passage for five seconds while actuator is operating.
7. Turn off the actuator. Allow solvent to soak for 15 minutes.
8. Turn on actuator.
9. Spray carburetor cleaner into idle air bypass passage for no more than six seconds.
10. Turn off actuator.
11. Install intake air tube. Start actuator and engine and run engine for one minute, to dry out solvent residue.
12. Disconnect actuator from idle air control (IAC) valve. Connect idle air control (IAC) valve signal lead electrical connector.
13. Start engine and check for normal operation.

Alternate Cleaning Procedure

NOTE: This procedure should only be done when recommended tools are not available.

Remove the idle air control (IAC) valve from the throttle body assembly. Remove the electrical solenoid assembly from the mechanical portion of the air bypass valve by removing the two screws, then sliding the mechanical portion away from the solenoid.

CAUTION: Do not exceed three minutes soak time, and do not use choke cleaner as an internal O-ring may begin to deteriorate.

Soak the mechanical portion in Carburetor Tune-Up Cleaner D9AZ-19579BA (ESR-M14P9-A), or equivalent for two to three minutes maximum.

With the mechanical portion completely submerged, shake in all directions: up, down, right and left. Then push in on the rod that mates with the solenoid assembly, and again shake in all directions with the unit submerged and the rod held in as far as possible.

Remove the unit from the cleaning fluid and dry out thoroughly using shop air.

³ Can be purchased as a separate item.