



- Please study these instructions carefully before installing your new Throttle Body and EGR Plate. If you have any questions or problems, do not hesitate to call our Technical Hotline at: (800) 416-8628 from 7:00 am to 5:00 pm, Monday through Friday, Pacific Standard Time or e-mail us at: [edelbrock@edelbrock.com](mailto:edelbrock@edelbrock.com).
- These parts are street legal in all 50 states for use on 1986 through 1993 Ford 5.0 Litre V8s.

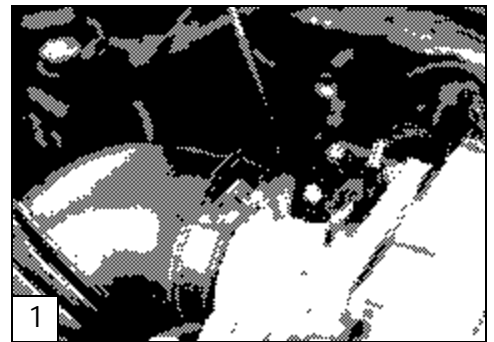
### INSTALLATION

1. Disconnect negative battery terminal.
2. Loosen both of the air inlet tube clamps located on the throttle body and air cleaner, carefully remove the air inlet tube from the vehicle. (See Photo #1).
3. Carefully disconnect the throttle position sensor and idle speed control solenoid connectors from the throttle body and disconnect the EGR position sensor connector from the EGR valve. (See Photo #2).
4. Carefully disconnect the EGR vacuum line from the EGR valve. Loosen the two hose clamps located on the EGR spacer that hold the throttle body coolant hoses and remove hoses. (See Photo #3). Disconnect throttle linkage.

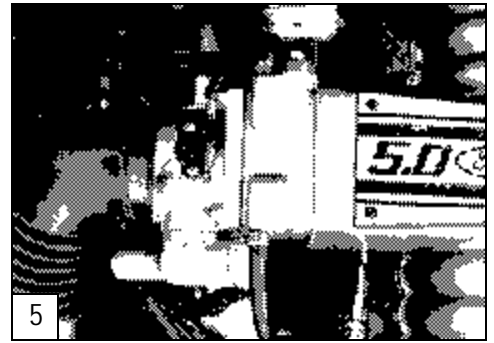
#### CAUTION!

Some coolant may discharge from the throttle body coolant hoses when removed.

5. Remove the four (4) throttle body attaching nuts and carefully remove the throttle body and EGR spacer assembly from the upper intake manifold studs. (See Photo #4).
6. For maximum performance with the larger throttle bodies, use the matching size EGR spacer and enlarge upper manifold mouth accordingly. Most aftermarket intake manifolds including Edelbrock's part #3821 are already sized to 70mm.
7. Remove the idle speed solenoid and install on the new throttle body. (Use supplied idle solenoid gasket). Transfer EGR valve to new EGR plate. (Use supplied gasket).
8. Position the following onto the intake manifold studs in order of listing (See Photo #5).
  - a. EGR spacer gasket.
  - b. EGR spacer.
  - c. Throttle body gasket (see Figure 1 for gasket positioning).
  - d. Throttle body. Torque throttle body attaching nuts to 12-18 ft.-lbs.
9. Connect the throttle position sensor, EGR position sensor and the idle speed control solenoid. Connect the throttle body coolant hoses and tighten securely. Connect the throttle linkage.
10. Apply a small amount silicone based lubricant or brake assembly lube to the lip of the rubber inlet tube and push onto the throttle body. Tighten the clamps firmly. Connect battery negative terminal.
11. The Idle speed and TPS are set to the factory settings. If you have modified your engine, additional adjustments may be required. Set the idle speed by using the following sequence: (about 625 Rpm)
  - a. Turn the ignition switch to the OFF position.
  - b. Turn the throttle plate hard stop screw control 5 turns clockwise from the fully closed position.



- c. Disconnect the idle speed control solenoid connector.
  - d. Run the engine until it is at operating temperature.
  - e. Turn the throttle plate hard stop screw counter clockwise until the lowest factory idle speed setting (625 rpm) is obtained. Increased idle speed may be required if the engine has been modified.
  - f. Turn the engine off and reconnect the idle speed control connector.
12. CHECK THE THROTTLE POSITION SENSOR VOLTAGE: Turn the ignition switch to the "ON" position but do not start the engine. Using a digital volt/ohmmeter, measure the voltage between the Dark Green/Light Green wire and the Black wire. Be sure the voltage is between 0.8v and 1.0v. This voltage can be adjusted by loosening the two screws and slightly rotating the throttle position sensor. If necessary, elongate the mounting holes on the throttle position sensor to obtain this specification. (See Photo #6).



Note: For optimum performance on 1986-1988 vehicles equipped with speed-density system, we strongly recommend mass-airflow conversion. Kits are available from Ford performance parts and other aftermarket outfits.

**EGR Plate Kit Contents:**

- 1- Spacer casting
- 1- 5/16" x 1-1/2" carb stud
- 1- 3/8" x 1-1/2" stud
- 1- 5/16" split lock washer
- 1- 3/8" split lock washer
- 1- 5/16"-24 hex nut
- 1- 3/8"-24 hex nut
- 1- Gasket; EGR plate to manifold
- 1- Gasket; throttle body to EGR plate
- 1- Gasket; EGR valve

**Throttle Body Kit Contents:**

- 1- Throttle body assembly
- 1- Gasket; throttle body to EGR plate
- 1- Gasket; idle solenoid to throttle body

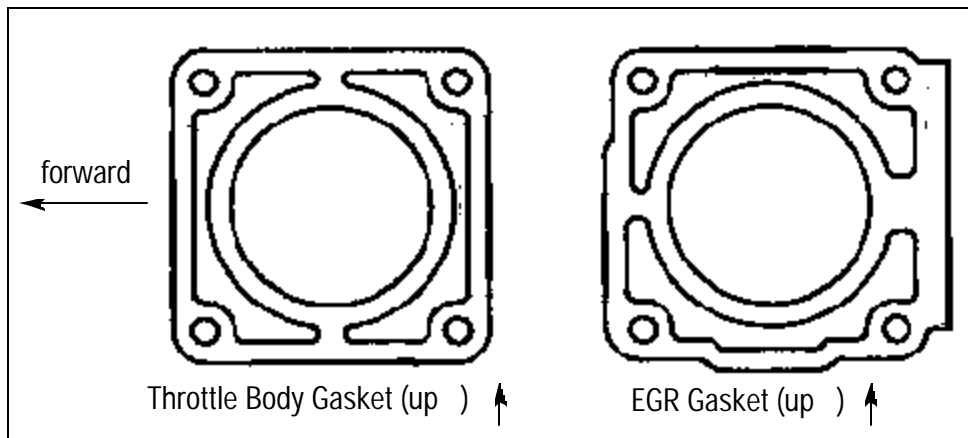


Figure 1 – Throttle Body Gasket and EGR Plate Gasket

Edelbrock Corporation  
 2700 California Street  
 Torrance, California 90503  
 Tech Line: (800)-416-8628  
 Office: (310) 781-2222