



Part # 3501- 1987-96 Twin 56mm Ford F-series 302/351w

Part # 3502- 1987-03 Twin 61mm Ford F-Series 460

Part # 3503- 1987-96 Twin 61mm Ford F-Series 302/351w

Throttle Body



Special Tools

Required:

- No special tools required

Install Time:

Approximately
30 mins

Difficulty:

2 out of 5

Follow these instructions carefully to ensure correct fitment and operation.

STEP 1

- Disconnect the negative battery terminal.

STEP 2

- Disconnect the air inlet, vacuum and water passage lines from the stock throttle body. Disconnect the throttle cables from the throttle body linkage.

STEP 3

- **302/351 Engines:** Disconnect the idle bypass electrical connection on the driver side of the throttle body.
- **460 Engines:** The idle bypass valve is located on the intake manifold and does not require disconnecting.

STEP 4

- Remove the four mounting bolts attaching the throttle body to the intake manifold. Remove the throttle body and old gasket. Be sure to clean the intake surface of any old gasket material.

STEP 5

- Remove the throttle body TPS from the old throttle body and install into the BBK Throttle Body.
- **302/351w Engines:** Remove and re-install the Idle Air Bypass Solenoid to the BBK throttle body using the supplied gasket.

STEP 6

- Re-install the BBK Throttle Body in reverse order of the previous steps. If any vacuum ports are not used in your application then simply install a rubber vacuum plug on the unused port/s.

STEP 7

- With everything reconnected, start the engine and let it come up to operating temperature.

STEP 8

- Shut off the engine and disconnect the Idle Air Bypass electrical connector.



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Throttle Body

STEP 9

- Restart the engine and manually adjust the idle to the desired RPM using the idle set screw, then shut the engine off.

STEP 11

- Reconnect the Idle Air Bypass electrical connector.

STEP 10

- Using a volt meter, turn the ignition key to the ON position and read the voltage at the GREEN WIRE at the TPS sensor. The voltage should be reading .8-1.0 Volts. To re-adjust the TPS to get that reading, simply loosen the TPS mounting screws and turn the TPS to set the voltage.

These throttle bodies are 50 state legal and carry California CARB EO# D-245-15 (effective 2/25/10)



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