

## INSTALLATION INSTRUCTIONS - INS025

1987 - 1996 TWIN 56MM FORD F-SERIES 302/351W  
1987 - 2003 TWIN 61MM FORD F-SERIES 460  
1987 - 1996 TWIN 61MM FORD F-SERIES 302/351W

# THROTTLE BODY

Part # 3501 / Ford F-series 302/351w

Part # 3502 / Ford F-Series 460

Part # 3503 / Ford F-Series 302/351w



**SPECIAL TOOLS REQUIRED:** No special tools required.



**INSTALL TIME:** Approximately 1 hour.



**DIFFICULTY:** Easy.



 **MADE IN U.S.A.** 

**IMPORTANT:** All appropriate safety equipment and gear must be used during the installation of this or any BBK Performance products or any time you work on a vehicle. BBK Performance accepts no responsibility for injuries or damage caused by or during the installation of this product.

UPDATED LAST: March 2019



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.

#### 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 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.

#### STEP 11

Reconnect the Idle Air Bypass electrical connector.

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