**BBK**
Today's Performance®

## INSTALLATION INSTRUCTIONS - INS164

# THROTTLE BODY

Part # 1821 - 85mm/18210 - 90mm / 2011-2014 Ford Mustang 5.0L, Ford F-150 5.0L

**Special Tools required:** No special tools required.

**Install Time:** Approximately 1 hour.

**Difficulty:** Easy.

Picture shows part # 18210 with spacer. Part # 1821 does not include or require spacer.

MADE IN U.S.A.

UPDATED LAST: March 2019

# FOLLOW THESE INSTRUCTIONS CAREFULLY TO ENSURE CORRECT FITMENT AND OPERATION

## STEP 1

Disconnect the negative battery terminal.

## STEP 2



Remove the strut tower brace if applicable.

## STEP 3



Remove the engine cover by pulling up on it to release its mounting pins from the grommets on the intake manifold.

## STEP 4



Disconnect the smaller plastic breather tube from the air inlet tube. You can leave the sound tube connected.

## STEP 5

Loosen the clamps on the air inlet tube at the air box and throttle body.

## STEP 6



Remove the air inlet tube and set it aside.

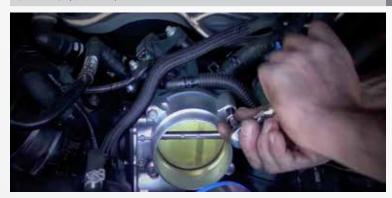## 🇺🇸 MADE IN U.S.A. 🇺🇸

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## STEP 7



Remove the four mounting bolts from the stock throttle body, as you remove the throttle body, flip it to unplug the motor plug on the bottom.

## STEP 8

Wipe off the stock rubber throttle body gasket to remove any oil or debris. You will be reusing this gasket.

## STEP 9



## STEP 9 (CONT.)



Connect the motor plug to the BBK Throttle Body and install onto the intake manifold. Use supplied bolts to secure the throttle body.

## STEP 10



Re-install the air inlet tube and reconnect the breather tube. A little WD-40 or light grease on the inside of the tube may help in this process. Tighten the clamps.

## STEP 11

Re-install the engine decorative cover, the strut tower brace and reconnect the negative battery terminal.

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## ENGINE RELEARN PROCESS

Because your vehicles engine is electronically controlled by a computer, some control conditions are maintained by power from the battery. When the battery is disconnected or a new battery is installed, the engine must relearn its idle and fuel trim strategy for optimum drive ability and performance.

### STEP 1

With the vehicle at a complete stop, set the parking break

### STEP 2

Put the gearshift in P (Park) (automatic transmission or the neutral position (manual transmission), turn of all accessories and start the engine.

### STEP 3

Run the engine until it reaches normal operating temperature. Approximately 4-5 minutes.
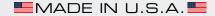
### STEP 4

Allow the engine to idle for at least one minute.

### STEP 5

Turn the A/C on and allow the engine to idle for at least one minute.

### STEP 6

Drive the vehicle to complete the relearning process.

· The vehicle may need to be driven 10 miles or more to relearn the idle and fuel trim strategy.

· If you do not allow the engine to relearn its idle trim, the idle quality of your vehicle may be adversely affected until the idle trim is eventually relearned

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