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## INSTALLATION INSTRUCTIONS - INS051

1985 - 1997 GM CAMARO/FIREBIRD/CORVETTE/IMPALA, TPI/LT1

# THROTTLE BODY

Part # 1534, 1536, 1537, 1539, 1540, 1542, 1543 and 1544



SPECIAL TOOLS REQUIRED: Digital Voltmeter



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

For 1985-89, check the Throttle Position Sensor voltage with a voltmeter and record it. 1990 and later models do not require TPS adjustment. Then disconnect the negative battery terminal.

### STEP 2

Remove the throttle body inlet hose and disconnect the two water lines from the underside of the factory throttle body. Disconnect all of the vacuum hoses, electrical connections, throttle and cruise control cables from the factory throttle body.

### STEP 3

Remove the 4 mounting bolts from the throttle body and remove it from the vehicle slowly to ensure that no other connections are hindering the removal.

### STEP 4

Remove the seven torque head screws from the water crossover manifold on the bottom of the stock throttle body and transfer it over to the BBK Throttle Body. Use the supplied gasket and the 7 supplied black socket head screws and lock washers.

**NOTE!** Do not re-use the stock torque head screws, you must use the supplied screws or the throttle body or throttle body damage will result.

### STEP 5

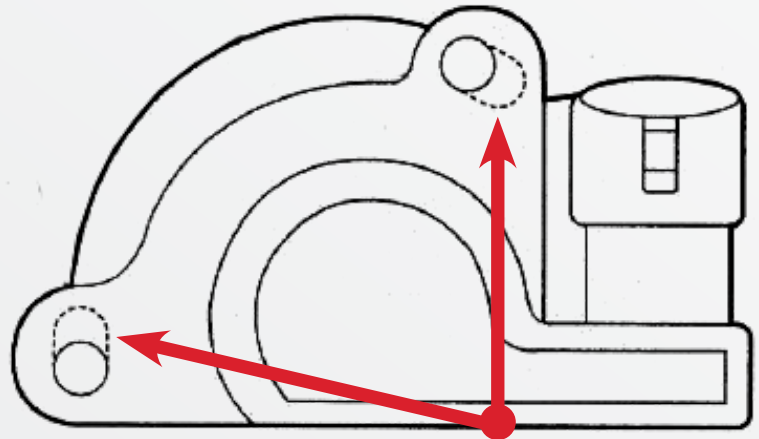
Remove the Throttle Position Sensor (TPS) from the stock throttle body and transfer over to the new BBK Throttle Body and tighten with supplied hardware. Discard the foam seal from the stock throttle body (The BBK Shafts are sealed by O-Rings).

Install the BBK Throttle Body to the intake manifold using the supplied gasket and hardware.

### STEP 6

Reconnect the negative battery terminal. Check the TPS voltage with a digital voltmeter and adjust to the reading you got from the stock throttle body if necessary. Refill the coolant to allow for any lost coolant and start the engine.

**NOTE!** The idle adjustment is made on the socket head cap screw accessible from the backside of the throttle body on the driver side. You may need to adjust the cruise control cable to prevent a high idle.



TPS Mounting holes may need to be slotted to achieve proper voltage at idle (See dotted lines)

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