



## **LS1 Camaro-Firebird/Late Vortec 80mm Truck Throttle Body Part # 1709**

### **I N S T A L L A T I O N I N S T R U C T I O N S**

- Step 1** Disconnect negative (-) battery terminal.
- Step 2** Loosen and remove ducting at throttle body opening (on truck models, the decorative manifold cover must also be removed by loosening the two (2) mounting screws).
- Step 3** Disconnect the throttle and cruise control cables from the throttle linkage.
- Step 4** Disconnect the electrical connectors from the throttle position sensor (TPS) and idle air control (IAC) motor, then remove the PVC vacuum hose.
- Step 5** Using pliers, or appropriate hose clamp pliers, loosen and remove the two (2) coolant hoses from the bottom side of the throttle body.

#### **! CAUTION !**

***Make sure the engine coolant is cold, and that there is no pressure in the cooling system before removing hoses.***

- Step 6** Remove the three (3) mounting bolts and remove the throttle body from the vehicle.
- Step 7** Using the stock hardware, transfer over the TPS and IAC valve to the BBK throttle body.
- Step 8** Carefully wipe the stock rubber gasket, and install in the following order: the adapter plate (with large side of tapered bore away from manifold), supplied gasket, and then the BBK throttle body using the supplied hardware.
- Step 9** On 1998-99 models of Camaros, Firebirds, '99 and newer trucks, a supplied adapter to lengthen the throttle and cruise cables must be installed. Simply remove the two (2) bolts holding the cable bracket to the intake manifold. Then install the supplied adapter onto the manifold using two (2) supplied flat-head screws. Reinstall the stock bracket adapter using factory hardware.

#### **NOTE**

***On car models, the aluminum bracket adapter must be trimmed between the threaded and counter sunk holes (a line showing where to cut is engraved on one side of the adapter), using a hacksaw or dremmel type cutoff tool.***

#### **NOTE**

***2000-present car models do not require the adapter bracket. A completely new cable bracket is supplied, and is swapped directly for the stock bracket using factory hardware.***

- Step 10** Reinstall the TPS/IAC connectors, throttle and cruise control cables, coolant/vacuum hoses, and air filter duct.
- Step 11** Replenish any lost coolant, then install the negative battery terminal.
- Step 12** Start vehicle and let idle without revving, etc., until vehicle reaches full operating temperature. This will allow computer to adjust to proper idle settings, etc. Once run-up period is finished, if the vehicle idles lower than stock, a minor (cw) adjustment can be made to stop screw (against linkage) to bring idle speed up.

