



**POWER-PLUS SERIES 66mm
THROTTLE BODY
1989-02 FORD
RANGER/EXPLORER
PART# 1580**

INSTALLATION INSTRUCTIONS

- STEP 1** Disconnect the negative battery terminal.
- STEP 2** Remove flexible inlet tube from the throttle body and air box by loosening the two clamps. Disconnect the tube to the valve cover and the Inlet Air Temp Sensor, if applicable.
- STEP 3** Remove the plastic cover on the left side of the throttle body. Unhook the throttle/cruise cables from the throttle body. Disconnect the Throttle Position Sensor (TPS) electrical connector and unhook any vacuum lines.
- STEP 4** Remove the four (4) bolts that mount the throttle body to the intake manifold. Remove the Throttle body and clean any gasket material from the mounting surface.
- STEP 5** Remove the Throttle Position Sensor from the old throttle body. You will probably need a Impact screwdriver to remove the screws due to the use of Locktite on the threads from the factory. If screwheads become rounded, then they must be carefully ground off to remove the sensor.
- STEP 6** Install the supplied BLACK TPS BUSHING over the shaft of the throttle body, install Throttle Position Sensor ontop of the bushing and secure sensor with the supplied screws.

FOR OPTIMUM PERFORMANCE

Match the intake opening to the new throttle body size. Although this is not mandatory, it will maximize intake flow.

- STEP 7** Using the supplied screws and gasket, install the BBK throttle body on to the intake opening. Tighten screws.
- STEP 8** Reattach the throttle/cruise cables, reconnect the TPS connector and vacuum hose.
- STEP 9** Reinstall the flexible air inlet tube between the air box and the throttle body. Reconnect the breather hose to the valve cover and reinstall (or connect) the Inlet Air Temp sensor, if applicable.

NOTE

On some models with a black composite intake manifold, a short piece of 5/32" vacuum hose and a FORD part # N802484-5100 will be needed for the emissions/vacuum connection on the bottom of the throttle body. Trim 1/4" off the non-barbed end of the fitting to work properly.

- STEP 10** Reconnect the negative battery cable.
- STEP 11** Start engine and run until it reaches operating temperature.
- STEP 12** Disconnect the Idle Air Control Valve. The engine should idle at approx. 500 rpms.
If adjustment is needed, turn throttle plate hard stop set screw to achieve idle.
Reconnect the Idle Air Control Valve and the idle speed should return to the computer controlled idle speed.
- STEP 13** Replace plastic cover on the left side of the throttle body.