



Power-Plus Series® Throttle Body for Ford 4.0 L Ranger & Explorer Part # 1580

INSTALLATION INSTRUCTIONS

! IMPORTANT !

*Please read complete Instructions before starting Throttle Body installation
and make sure you have all the tools for the job*

PARTS INCLUDED IN THIS KIT

- | | |
|---|---|
| <input type="checkbox"/> 1 – BBK 1580 66mm Throttle Body Assembly | <input type="checkbox"/> 2 – M5 x 30mm TPS Screws |
| <input type="checkbox"/> 1 – Black Plastic TPS Bushing | <input type="checkbox"/> 4 – M6 x 35mm Throttle Body Screws |

TOOLS REQUIRED

- | | |
|---|--|
| <input type="checkbox"/> Flat & Phillips Blade Screwdrivers | <input type="checkbox"/> Impact Screwdriver & Hammer |
| <input type="checkbox"/> Metric Sockets & Extensions | <input type="checkbox"/> Metric Allen Wrenches |
| | <input type="checkbox"/> American End Wrenches |

INSTALLATION INSTRUCTIONS

- Step 1** Set parking brake on vehicle and disconnect the negative battery terminal.
- Step 2** Remove flexible inlet hose from throttle body and air box by loosening two hose clamps. Disconnect the tube to the valve cover and the inlet air temperature sensor if applicable.
- Step 3** Remove plastic cover on the left side of the throttle body. Unhook the throttle cable from the throttle body linkage, disconnect the throttle position sensor and vacuum hose from throttle body.
- Step 4** Remove the four bolts securing the throttle body to the intake; and remove the factory throttle body.
- Step 5** Remove the throttle position sensor from the factory throttle body. You must use an impact screwdriver to remove the T.P.S. screws (to avoid rounding off the Phillips head) due to the use of Loctite on the factory fasteners. In the event the factory screws are rounded off and can't be removed, the head of the screws will have to be ground off to remove TPS.
- Step 6** Install the throttle position sensor on the new throttle body using supplied screws. Be sure the black plastic T.P.S. bushing is in place before securing T.P.S.

! 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 new throttle body on intake manifold and secure.

Step 8 Reattach the throttle cable, T.P.S. sensor connector and vacuum hose to throttle body.

! NOTE !

On some models with black composite intake, a short piece of 5/32" vacuum tubing and Ford part #N802484-5100 will be needed for the emissions/vacuum connection on the bottom of the Throttle Body. A 1/4" must be trimmed from the non-barbed end to work properly. To order part call (909) 735-8880 PST.

Step 9 Reinstall inlet tube between airbox and throttle body. Be sure to reconnect the hose to the valve cover and inlet the air temperature sensor if applicable.

Step 10 Reconnect the negative battery cable.

Step 11 Start the engine and run until it is at operating temperature, then turn the engine off.

Step 12 Disconnect the idle air control valve. The vehicle should idle at approximately 500 rpm, turn throttle plate hard stop screw to achieve this spec. Reconnect I.A.C. valve and idle speed should return to the computer controlled idle speed.

Step 13 Replace the plastic cover on left side of throttle body. Double check all fasteners and clamps to ensure they are secure.