



Power-Plus Series® In-Line Fuel Pump Kit Part #1602

INSTALLATION INSTRUCTIONS

! IMPORTANT !

*Please read complete instructions before starting fuel pump kit installation.
Make sure you have all tools for the job and a fuel tank as close to empty as possible, will greatly ease the installation.*

PARTS INCLUDED IN THIS KIT

1	Power-Plus™ Inline Fuel Pump With Hoses	6	6" Tie Wraps
1	Relay and Wiring Harness Assembly	4	4" Tie Wraps
1	Butt Connector	1	#8 x 1/2" Sheet Metal Screw
2	Ring Terminals #10	8	8/32 Nylock Nuts
1	Wire T-Tap With Male Connector	8	8/32 Flat Washers
1	Fuse Tap	4	Adhesive Cable Tie Holders
1	Female Spade Fully Insulated	4	Rubber Isolators
1	Fuse Holder	1	Drill Template and Instructions
1	20 amp Fuse		

TOOLS REQUIRED

Side Cutters	Assorted Flat and Phillips Screw Drivers
Combination Wire Stripper/Crimper Tool	Metric and American Combination End Wrenches
Floor Jack	Drill With 3/16 and 1/8 Drill Bits
Jack Stands	Center Punch
Metric and American Sockets With Extensions	Automotive Test Light
Ford Fuel Line Disconnect Tool ('94-newer)	

INSTALLATION

! Please Read Complete Instructions Before Starting Installation.

Make Sure You Have All Tools for the Job !

Step 1 Disconnect the negative battery cable. *Using extreme caution*, bleed any pressure from the schrader valve located on the engines fuel line.

! CAUTION !

Use extreme caution when bleeding pressure from the schrader valve.

Step 2 Clear trunk and spare tire recess completely.

! IMPORTANT !

Aftermarket accessories such as exhaust and panhard bars may require alternative fuel pump mounting location.

Step 3 Trim the "cut-out" portion from template. Position the template over the spare tire hold-down. Center punch and drill the indicated four holes to 3/16" diameter (**See Template**).



- Step 4** Using a hydraulic floor jack carefully raise the rear of the vehicle and place on jack stands at the rear frame.
- Step 5** Move the floor jack to a central location directly under fuel tank, loosen filler neck and the two tank mounting straps, lower tank slightly to access fuel line to tank connection (there is no need to completely remove tank or disconnect any wiring).
- Step 6** Disconnect and remove ('86-93), or disregard ('94-newer) the original fuel line running from the tank to the fuel filter (**See Diagram A**).
- Step 7** Attach one end of the supplied 36" fuel line with Ford fittings on both ends to the fuel tank pickup. Route the hose around the front of the tank in the factory manner (**See Diagram A**).

! NOTE !

On '94 and newer models it will be necessary to substitute supplied Part #N806188-5190 on the fuel tank end of the supplied 36" fuel line.

- Step 8** Reinstall the fuel tank and filler tube, take care to route the fuel and vent lines away from exhaust pipes and provide room so that lines are not crushed between the floor pan and the tank.
- Step 9** Mount pump to the underside of the tire well with supplied rubber mounts, adel clamps and 8/32 nylock nuts with washers (pump outlet should face to drivers side of vehicle).
- Step 10** Connect the previously installed hose to the pump inlet. Connect the hose already attached to the pump to the inlet side of the fuel filter, use cable ties to secure all lines away from exhaust pipes and take care not to kink the hoses (**See Diagram A**).
- Step 11** Mark and drill a 1/8" hole and mount relay inside trunk in the position shown in **Diagram B**.
- Step 12** From relay terminal #85, tap the yellow wire into the stock fuel harness in trunk near the passenger side tail light. Using the T-Tap, tie into the red/purple wire (on some models wire may be brownish-green).

! NOTE !

Using a test light, the correct wire will turn on the test light for a few seconds when ignition is turned to on position (See Diagram B & C).

- Step 13** From relay terminal #87, connect the short red wire to the (+) terminal on fuel pump using ring terminal connector, route wire down through drain grommet and insulate against any sharp edges (**See Diagram B & C**).

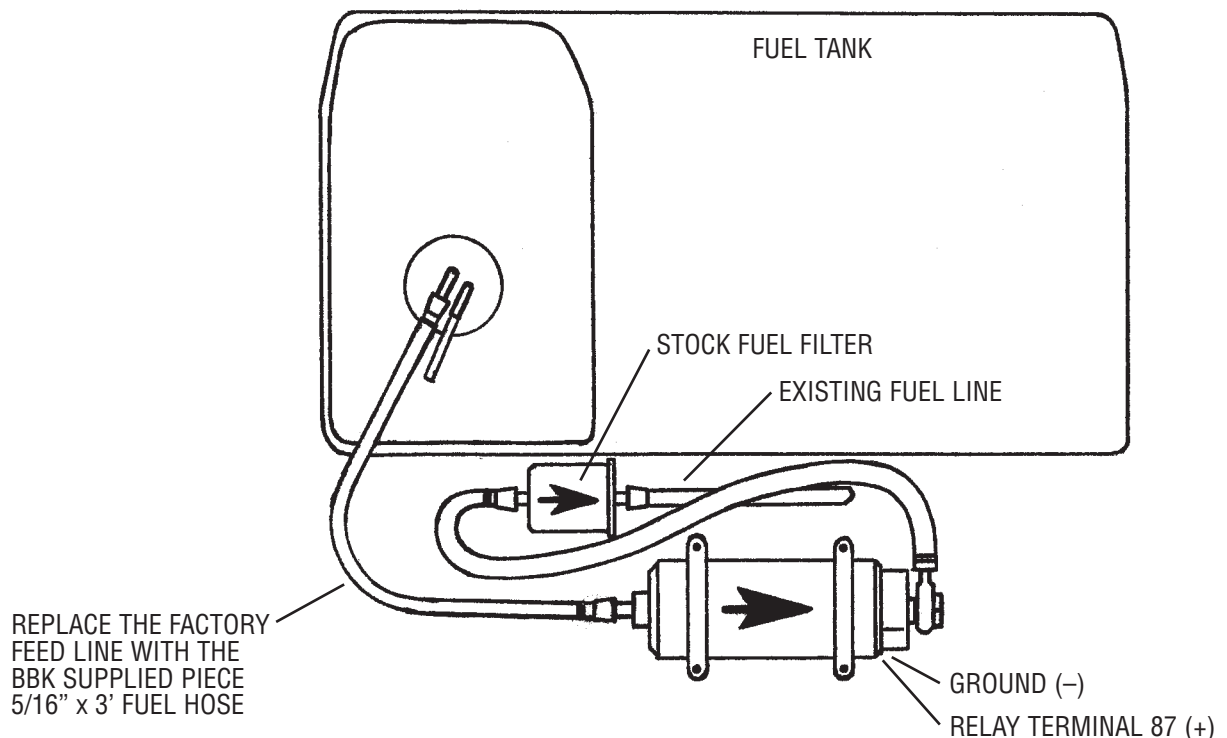


Diagram A. BBK Power-Plus™ Inline Pump Kit #1602

- Step 14** Connect the longer black wire from the (-) terminal on the fuel pump to a clean ground. Using ring terminal connector (**See Diagram C**).
- Step 15** From relay terminal #86, connect the short black wire to a clean ground (relay screw works well). (**See Diagram C**).
- Step 16** From relay terminal #30, connect the long red wire to the fuse box with supplied fuse tap, inline fuse holder and butt connector. The fused side of the cigarette lighter is a good location (**See Diagram B & C**).
- Step 17** Check over installation and make sure everything is secure and away from all moving parts or exhaust pipes. Using adhesive anchors and tie wraps secure wires in spare tire well. make sure no wires will rub on sharp edges.
- Step 18** After final inspection is complete, reconnect battery and activate pump by turning ignition to on. Check for any leaks and correct if necessary.

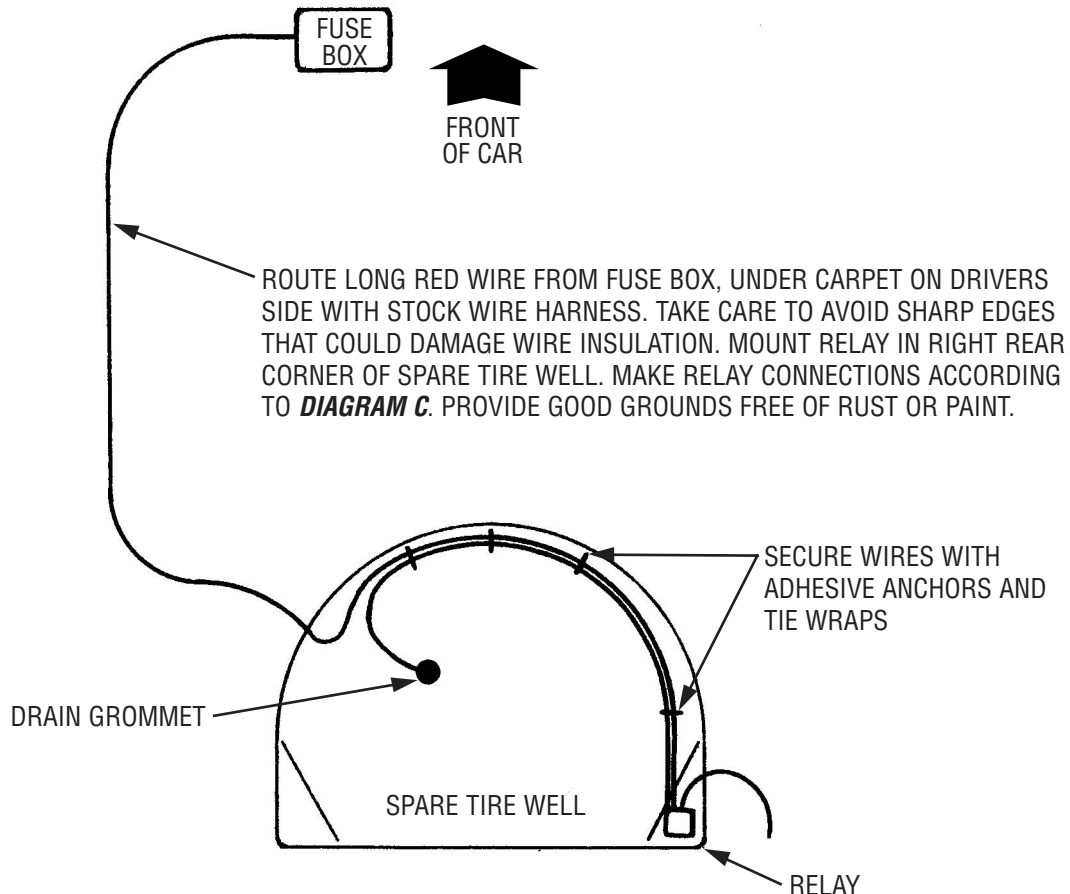


Diagram B. BBK Power-Plus™ Inline Pump Kit #1602

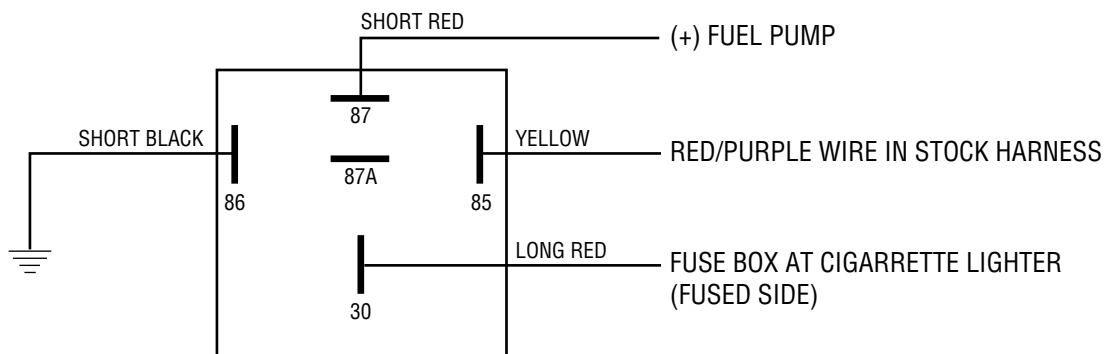


Diagram C. BBK Power-Plus™ Inline Pump Kit #1602