

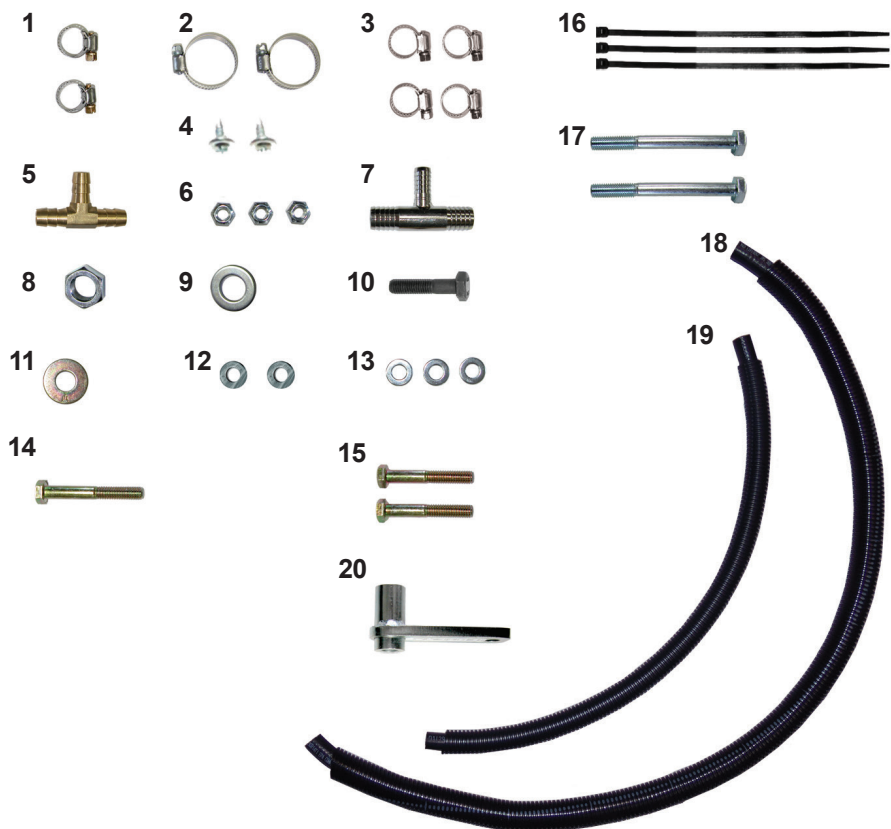


DUAL FUELER

Dual Fueler Installation Kit GM 6.6L Duramax 2002-2004 LB7 (113061100 113064000)

Installation Guide

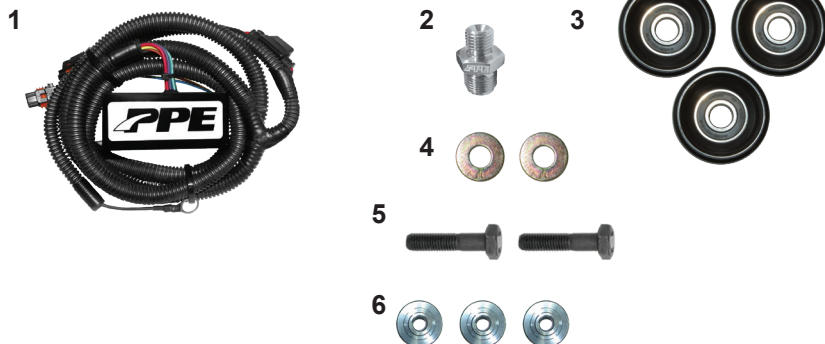
BOX 1 CONTENTS



CONTENTS

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|----|------------------------------------|----|---------------------------------------|
| 1 | (2) 3/8" Hose Clamps | 12 | (2) 10mm Washers |
| 2 | (2) 7/8" Hose Clamps | 13 | (3) 5/16" Washers |
| 3 | (4) 5/16" Hose Clamps | 14 | (1) 5/16 x 18 - 2.25 Bolt |
| 4 | (2) 8 x 0.5 Self-Tapping Screws | 15 | (2) 5/16" x 18 - 2" Bolts |
| 5 | (1) 5/16" Brass Fuel T | 16 | (3) 8" Zip Ties |
| 6 | (3) 5/16" x 18 Nuts | 17 | (2) 10 x 1.5 - 100 Bolts |
| 7 | (1) 1/2" x 1/2" x 3/8" S.S. Fuel T | 18 | (1) 34" x 3/8" Hose w/33" Split Loom |
| 8 | (1) 18 x 1.5 Pulley Nut | 19 | (1) 20" x 5/16" Hose w/19" Split Loom |
| 9 | (1) 18mm Washer | 20 | (1) Fuel Pump Bracket (113061065) |
| 10 | (1) 10 x 1.5 - 45 Bolt | | |
| 11 | (1) 10mm Idler Pulley Washers | | |

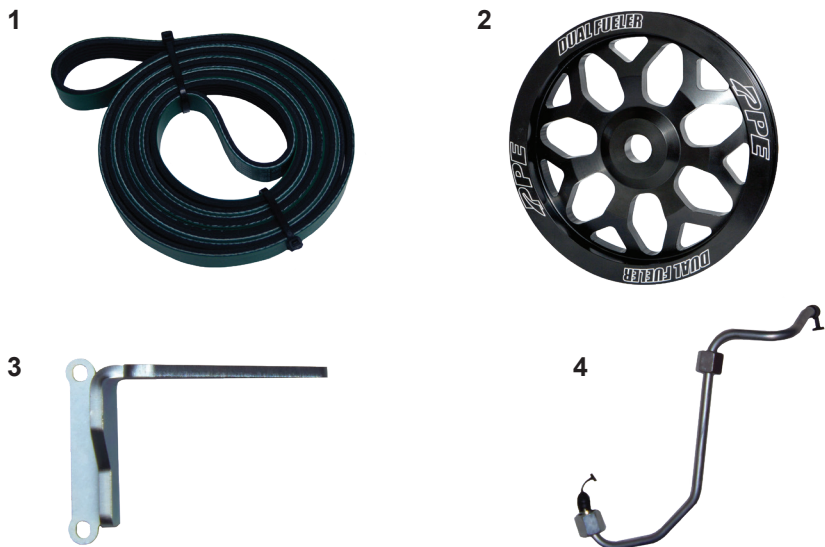
BOX 2 CONTENTS



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- | | | | |
|---|------------------------------|---|---------------------------------|
| 1 | (1) Control Module | 4 | (2) 10mm Washer - 2 pc |
| 2 | (1) Ported Fuel Rail Fitting | 5 | (2) 10 x 1.5 - 45 Bolts - 2pc |
| 3 | (3) Idler Pulleys | 6 | (6) Idler Pulley Spacers - 3 pc |

BOX 3 CONTENTS



CONTENTS

- | | | | |
|---|----------------------------|---|-----------------------------|
| 1 | (1) Serpentine Belt | 3 | (1) CP3 Bracket |
| 2 | (1) Dual Fueler CP3 Pulley | 4 | (1) High Pressure Fuel Line |

Shown on static engine.

PREPARATION

Disconnect batteries, drain coolant, remove upper fan shroud, fan and fan belt.

INSTALLATION

*Unbolt AC compressor.
Set aside.*



*Remove upper radiator
hose pipe.*



Unbolt power steering pump bracket and move aside, resting on water pump.



Use Torx FXT 500E wrench and a breaker bar to break tight seal and remove Fuel Rail Plug.

You may wish to place rag under fuel rail to absorb fuel that will spill once Fuel Rail Plug is removed.



Use magnet to remove inner spacer plug as shown.



Drill a 1/8" (3.175mm) hole through the center of the inner spacer plug using a drill press.



*Install drilled spacer plug and Ported Rail Fitting.
(Box 2, item 2)*

*Tighten Ported Rail Fitting
to 45 lb. ft.*



*Install T Fitting and hose clamps
on 5/16", 20" Fuel Return Line
hose. Orient as shown.
(Box 1, items 3, 5, 20)*



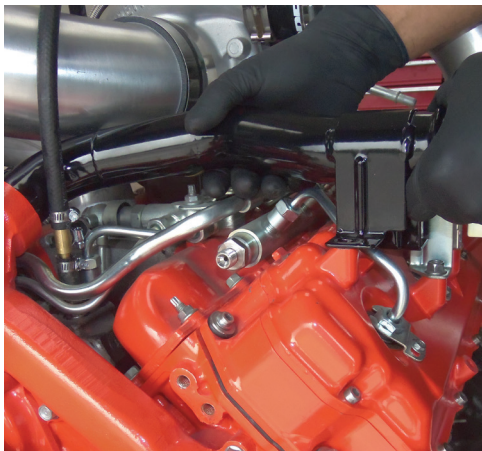
Cut fuel return line as shown to make space for assembled T Fitting and hose.



Install assembled T Fitting and hose and tighten hose clamps.



Reinstall upper radiator pipe.



Reinstall power steering bracket using original bolts.



*Install high pressure fuel line to Ported Rail Fitting and tighten finger-tight for now.
(Box 3, item 4)*



Reinstall AC Compressor using the stock bolts on the left side.

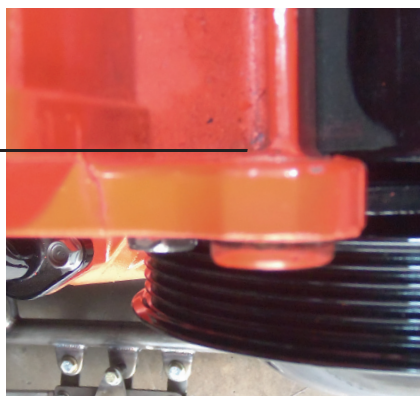
*Longer bolts (M10 x 100) supplied in the kit will be installed on the right side later in these instructions.
(Box 1, item 18)*



Using bushing extractor, back out spacer bushing so it is flush to the inside of the power steering bracket as shown so the CP3 Bracket fits properly within the space.

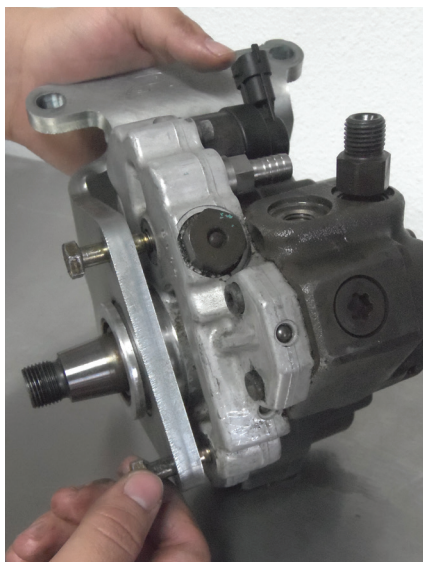


Spacer bushing should be flush



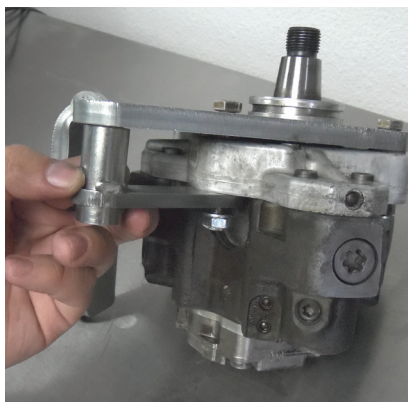
Assemble CP3 and bracket as shown.

*Install supplied long bolts on top side of CP3 Bracket.
(Box 1, item 16, Box 3, item 3)*

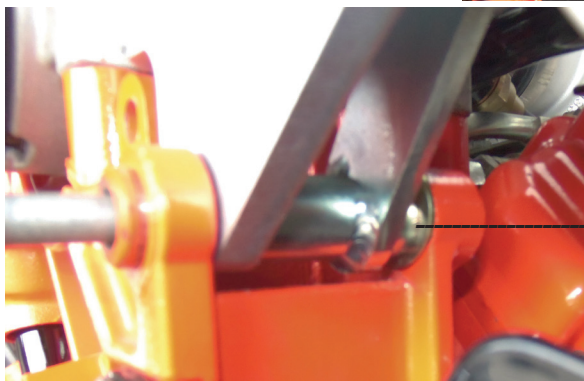


Install Fuel Pump Support Bracket as shown.

*(Box 1, item 21,
Box 1, item 14))*



Bolt top of Bracket to AC Compressor. NOTE: One bolt from AC Compressor will be reused to secure lower bracket. Install washer between the bottom bolt and bracket to ensure the pump stays straight and secure. (Box 1, items 11, 21)



*Insert washer
(Box 1, item 11)*

*Manipulate High Pressure Fuel Line until it aligns with the CP3 fitting. Tighten.
(Box 3, item 4)*

*Tighten high pressure fuel line at the fuel rail.
(Box 3, item 4)*



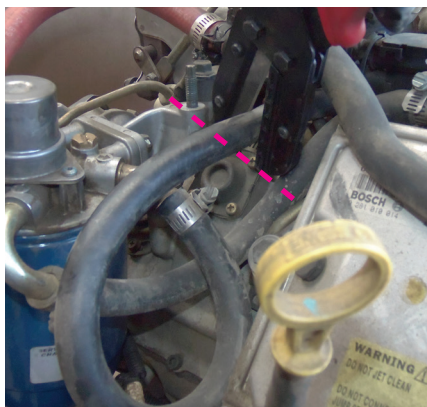
*Install Return Line. Tighten clamps.
(Box 1, items 3, 20)*



*Secure return line to upper radiator pipe.
(Box 1, item 17)*



Cut fuel filter feed line as shown.



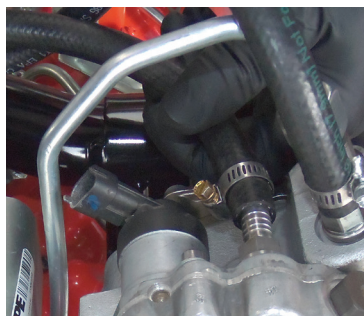
*Install T fitting into fuel filter feed line.
(Box 1, item 1, 7, 19)*



*Route fuel line back to the pump. Secure with hose clamps.
(Box 1, items 2)*



*Install fuel line to pump as shown.
Tighten hose clamp.
(Box 1, item 1)*



*Secure fuel line to radiator hose.
Box 1, item 17)*



*Install Dual Fueler Pulley using
18mm washer and nut (supplied).
(Box 1, items 8, 9, Box 3, item 2)*

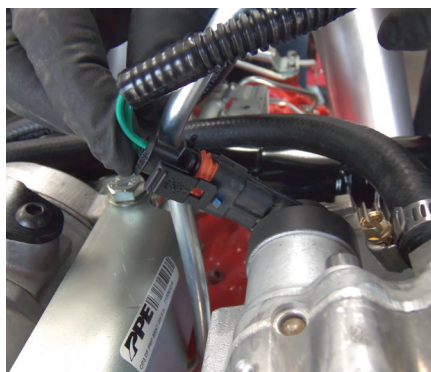
Torque to 45 lb. ft.



*Disconnect harness from factory pump. Connect male to pump and female to harness as shown.
(Box 2, item 1)*



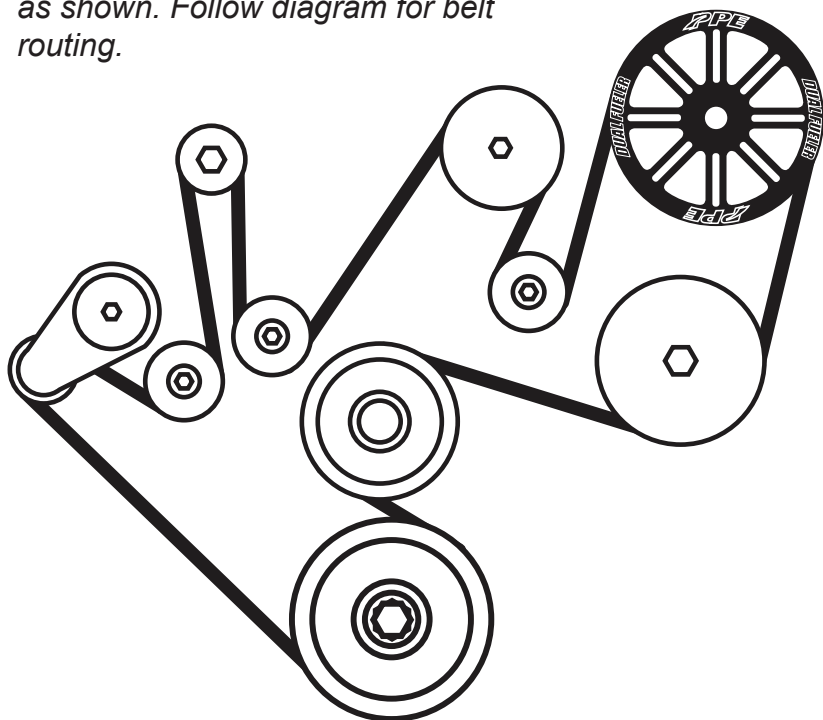
Connect other male end to CP3 Pump as shown.



Connect Power and Ground ends to battery.

Mount Dual Fueler Controller module in a secure, convenient location like top of fuse box, fender well brace, or firewall.

Install Idler Pulleys (Box 2, item 3) as shown. Follow diagram for belt routing.



*Reinstall fan and upper fan shroud.
Fill coolant. Check for leaks.
Reconnect batteries. Start engine.*

DISCLAIMER OF LIABILITY

Performance products can increase horsepower above and beyond factory specifications. Additional horsepower creates more stress on the drive-train components, which could result in drive-train failure.

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