

Billet Aluminum Fuel Pickup Kit

2006-2008 GM 6.6L Duramax

(113052000)

Installation Guide

Note: *LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES THAT MAY NEVER BE USED, OR REGISTERED OR LICENSED FOR HIGHWAY OR OFF-ROAD USE.*

CAUTION: Installation of this kit should only be performed by persons knowledgeable in the repair and modification of high performance automotive fuel systems.

WARNING: Fuel system may be under pressure!

Do not loosen fuel system connections until relieving pressure. Fuel may leak when loosening fuel system connections. Eliminate potential fire hazards before loosening any fuel system connections. Always wear appropriate personal safety equipment such as safety goggles and other apparel as needed, for protection from debris and sprayed diesel fuel. Work in a well-ventilated area and keep an approved fire extinguisher nearby. Extinguish any open flames and eliminate all sources of ignition in the area of the vehicle before proceeding with the installation.

NOTE: Before beginning installation, you will need two disconnect tools for fuel lines. The **BLUE** tool in the figure below corresponds to 3/8" diameter and is used to remove the return line; the **RED** tool in the figure below corresponds to 1/2" diameter and is used to remove the fill line. You can purchase these tools at any auto parts store or Snap-on, Mac or Matco.



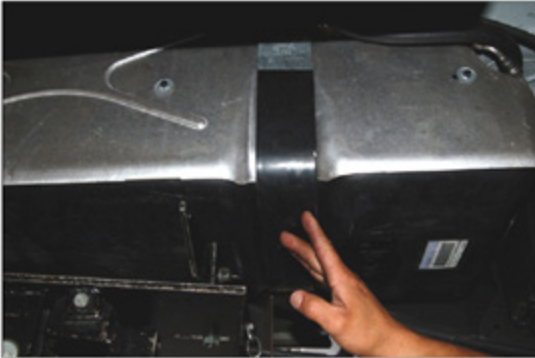
GM Fuel Line Disconnect Tool (Matco brand pictured)

Installation for Fuel Pickup Kit

1. Remove drive shaft to allow for easy access to fuel tank



2. Remove tank straps (Use a jack to hold fuel tank in place)



3. Remove clamp from fuel hose



4. Disconnect return and fuel lines with fuel line disconnect tool
(Caution: Fuel will leak from the lines!)



5. Lower fuel tank to allow for easy access to sending unit (No Image)
6. Disconnect sending unit sensor plug



7. Disconnect return and fuel lines from sending unit with fuel line disconnect tool



8. Remove sending unit base bracket



9. Remove sending unit from fuel tank (Be sure to drain all fuel)



10. Remove sending unit level



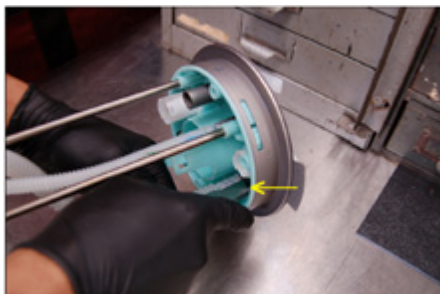
11. Remove sending unit base cover



12. Remove spring from sending unit base



13. Cut the larger plastic corrugated hose



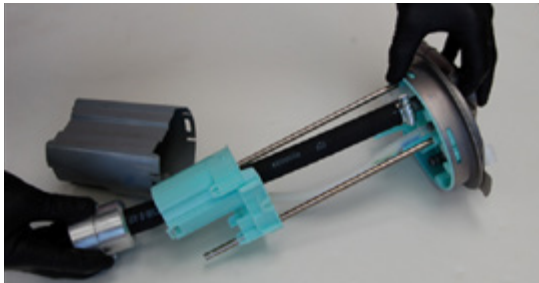
14. Unclip grey fuel pickup from sending unit and remove



15. Lubricate 5/8" fuel line (11 5/8") and insert billet aluminum fuel pickup nozzle



16. Slide assembled 5/8" x 11 5/8" fuel line and billet aluminum fuel pickup into sending unit and clip fuel pickup into place (Note: Do not tighten clamp)



17. Reassemble cover and reattach sending unit level



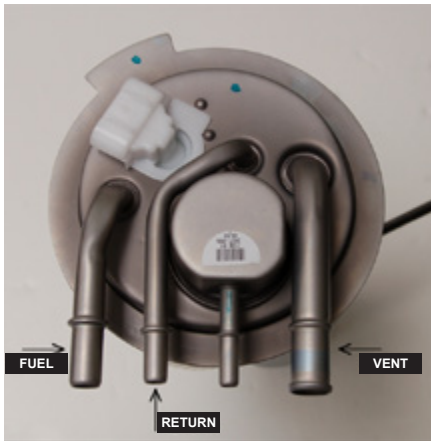
18. Extend adjustable sending unit to greater than 13" and lower unit into fuel tank



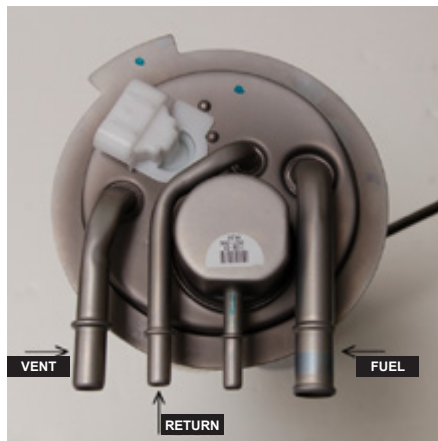
19. Adjust sending unit length to appropriate fuel sensor level and tighten fuel pickup line hose clamp

20. Reassemble sending unit into fuel tank

Note: The fill and vent lines must be swapped after modification of the sending unit
(See figures below)



Stock sending unit configuration



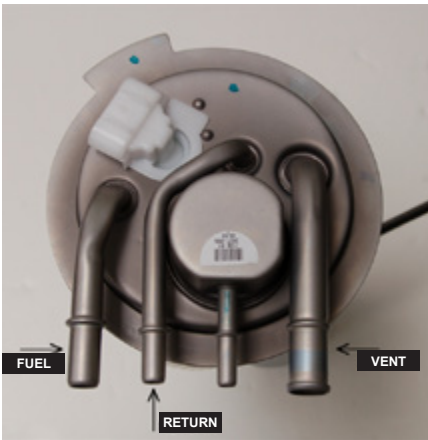
Modified sending unit configuration

21. Reconnect all fuel lines, sending unit sensor plug, fuel tank straps and fuel hose

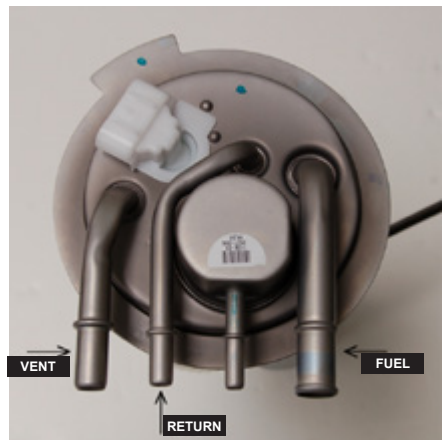
18. Extend adjustable sending unit to greater than 13" and lower unit into fuel tank



19. Adjust sending unit length to appropriate fuel sensor level and tighten fuel pickup line hose clamp
20. Reassemble sending unit into fuel tank
Note: The fill and vent lines must be swapped after modification of the sending unit (See figures below)



Stock sending unit configuration



Modified sending unit configuration

21. Reconnect all fuel lines, sending unit sensor plug, fuel tank straps and fuel hose

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.

Note regarding emissions-related, non-E.O.-legal products: THESE PRODUCTS ARE LEGAL IN CALIFORNIA ONLY FOR RACING VEHICLES THAT MAY NEVER BE USED, OR REGISTERED OR LICENSED FOR HIGHWAY OR OFF-ROAD USE.

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