

## **Billet Aluminum Fuel Pickup Kit**

*GM 6.6L Duramax 2001- 2005 LB7/LLY*

*(113051000)*

### ***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.**

PPE offers super tanks that are easy to install and fit perfectly beneath your vehicle without compromising clearance or performance. Super tanks hold more than twice the amount of fuel as stock and are made from the same polyethylene alloy as OEM. Best of all, these super fuel tanks are made to work with the standard gauges already equipped on the vehicle. You should consider this upgrade when installing the Fuel Pickup Kit.

**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.

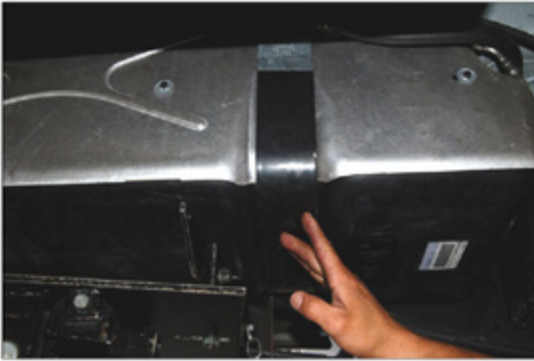


GM Fuel Line Disconnect Tool (Matco Set Pictured)

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.



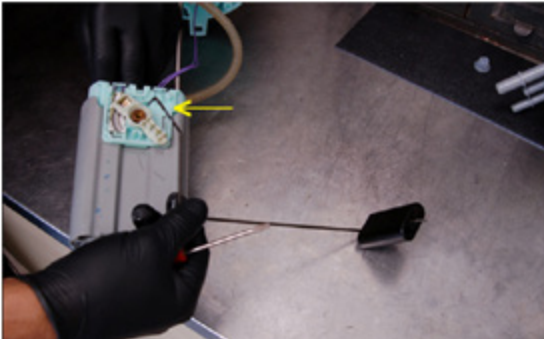
8. Remove sending unit base bracket



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

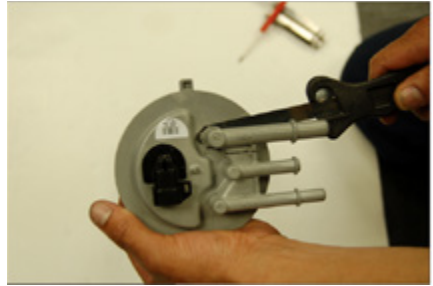
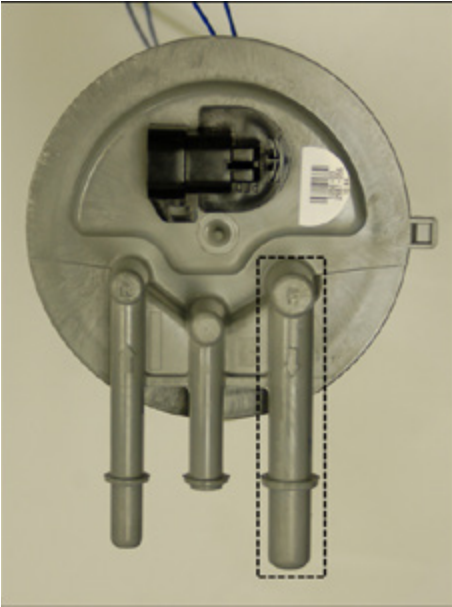


14. Unclip grey fuel pickup from sending unit and remove

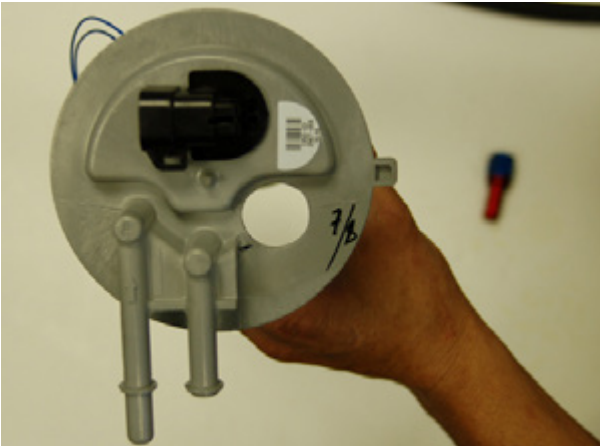




15. Cut fuel line nozzle from sending unit (Note: The nozzle will be labeled with an 'F')



16. Cut 7/8" hole where the fuel line nozzle was removed



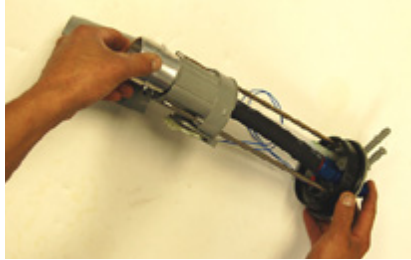
17. Insert flare bulkhead into 7/8" hole and fasten with lock nut



18. Lubricate both ends of 5/8" fuel line (9") and insert billet aluminum fuel pickup nozzle and 10" straight socketless fitting.



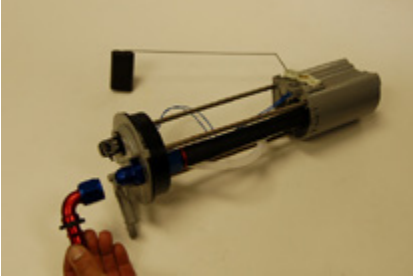
19. Slide assembled 5/8" x 11 5/8" fuel line with billet aluminum fuel pickup and straight socketless fitting into the sending unit; tighten the fitting straight socketless and clip fuel pickup into place.



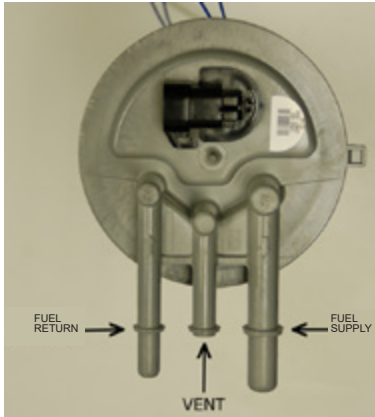
20. Reassemble cover and reattach sending unit level



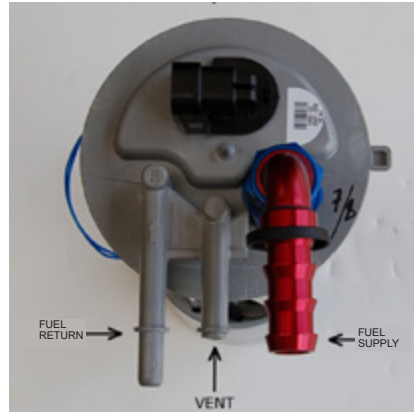
21. Attach 90 degree socketless fitting to straight socketless fitting on assembled sending unit



22. Reassemble sending unit into fuel tank



Stock sending unit configuration



Modified sending unit configuration

23. Install fuel tank. Reconnect all fuel lines, sending unit sensor plug, fuel tank straps and fuel hose. Install drive shaft.  
(No Image)

## 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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Limited lifetime warranty on all PPE cast aluminum products, and PPE Transmission Coolers. Three (3) year limited warranty on PPE Manifolds and Up-Pipes Kits, and OEM-Length Up-Pipes. One (1) year limited warranty on all other PPE products from the date of sale to original buyer and limited solely to the parts contained within the products kit. All products that are in question of Warranty must be returned prepaid to the Seller and must be accompanied by a dated proof of purchase receipt. All Warranty claims are subject to approval by Seller. Under no circumstances will the Seller be liable for any labor charged or travel time incurred in diagnosis for defects, removal, or re-installation - of this product or any other contingent expenses. Under no circumstances will the Seller be liable for any damage or expenses incurred by reason of the use or sale of any such equipment. In the event that the buyer does not agree with this agreement: the buyer may promptly return this product, in a new and unused condition in its original packaging, with a dated proof of purchase to the place of purchase within ten (10) days from date of purchase for a full refund. The installation of this product indicates that the buyer has read and understands this agreement and accepts its terms and conditions.



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