

INSTALLATION GUIDE

ZL1 FUEL PUMP



For 60 years Harrop Engineering has been at the forefront of designing, developing and manufacturing precision performance components. Today our innovative and logical approach is applied to low volume automotive OEMs and the performance aftermarket through a dedicated team of 65 staff. Core performance products include Superchargers, Engine Components, Brakes, Differentials and we are also the exclusive Australian Distributor for Forgeline Motorsport Wheels & Lingenfelter Performance Parts.

Harrop are also the preferred supplier of Eaton Supercharger and Traction Control technology including dual branded product designed and manufactured in-house. There are currently over 4000 components in our portfolio and this is growing daily as we continually develop more Harrop Performance Products.

Our high profile car manufacturing customers include Holden, HSV, FPV, Roush and Lotus.

We also supply to race teams from categories including F1, NASCAR and V8 Supercars and an extensive range of drag, circuit and off-road competitors. Just as importantly, a large portion of our customers are performance enthusiasts and weekend warriors who are highly passionate about their ride.

Please take a moment to review the following pages and learn why Harrop is the first choice in performance products.

Thank you for choosing Harrop and enjoy your Harrop enhanced ride.

- Team HARROP



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ATTENTION: READ BEFORE PROCEEDING



IMPORTANT INFORMATION

Installing this product indicates your acceptance of the responsibility and liability associated with the fitment and use of this product. Please ensure the owner and drivers of the vehicle are aware of their responsibilities and liabilities as indicated below.

Thank you for purchasing this Harrop ZL1 Fuel System Upgrade, which has been designed and made with pride in Australia. The owner and drivers of the enhanced vehicle must be aware that fitment of this product may affect:

- The vehicle's factory warranty.
- Insurance cover and associated liabilities.

Please follow the instructions accordingly and ensure the safe operation of all tools and equipment are adhered to in accordance with the vehicle and equipment manufacturer's recommendations.



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QUICK START GUIDE FOR EXPERIENCED TECHNICIANS



- Check all system components;
 - Fuel pump/sender module
 - Cross-over adaptor
 - Wiring loom
 - Supply pipe
- It is recommended to carry out installation with less than half a tank of fuel – drain as required
- Locate vehicle on hoist and raise
- Remove centre brace from vehicle
 - 4 x bolts
- Remove intermediate exhaust system
 - Disconnect from cats
 - Disconnect from rear mufflers
 - Disconnect o2 sensors
 - Remove exhaust rubbers
- Remove centre heat shield
 - 2 x hex screws
- Remove tailshaft
 - Mark front and rear flanges
 - Remove torx head bolts at front and disconnect
 - Remove silver head bolts at rear and disconnect
 - Remove centre bearing bolts
- Remove heat shield at front of fuel tank
 - 4 x nuts
- Disconnect handbrake cable at junction and move to the side
- Remove rubber coupling between fill tube and tank
- Remove vent pipe from tank
- Remove 2 x vapour lines from canister

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- Disconnect wiring connector, purge hose and supply pipe
- Support rear frame under differential
- Remove front 2 bolts from frame and loosen rear bolts (DO NOT REMOVE BOLTS COMPLETELY)
- Lower frame enough to allow room for tank to slide out
- Support fuel tank and remove 4 bolts holding the 2 tank straps
- Lower fuel tank ensuring that all lines and wires are clear
- Before removing the pump module, clean all dirt and debris from top of tank to ensure no foreign matter enters the tank
- Remove supply line and wiring loom – these will not be used again
- Remove original fuel pump/sender module by turning the locking ring anti-clockwise until it springs up, there will be a crossover pipe connected to the bottom of the module, lift module up halfway and disconnect pipe and remove module completely – this will not be used again
- Ensure that the aluminium cross over tube adaptor is fitted to the new fuel pump.



Install new fuel pump/sender module. Whilst installing, connect new crossover pipe to bottom of module onto the adaptor, orient module correctly and lock ring clockwise.

- Connect new supply pipe to fuel pump/sender module
- Connect and route supplied loom – Original factory loom must be reused for MY11 HSV.
- Install tank and reassemble vehicle.

Thanks for choosing Harrop Performance Products.

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