

Jeep Wrangler JK PreLine 150 Installation Guide

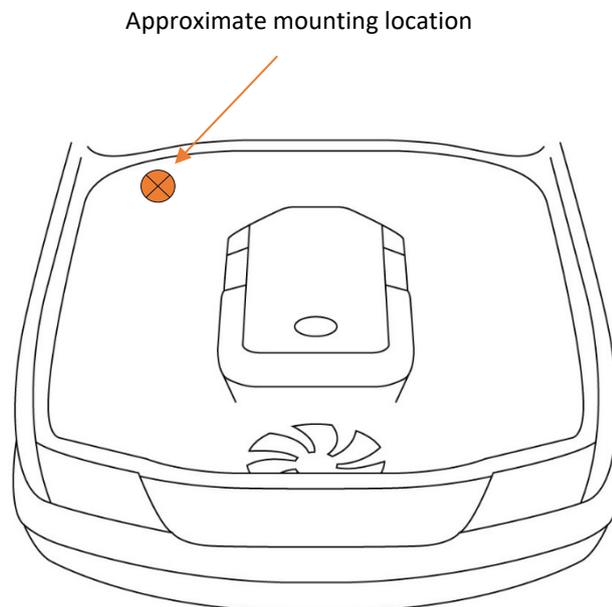
This document is to be used as a guide for the installation of the Asgard Engineering Jeep Wrangler JK PreLine 150 Diesel Fuel Prefilter Kit to a 2007+ Jeep Wrangler JK 2.8L Diesel. It is recommended that the installation of the product be carried out by a competent qualified mechanic.

Important Before Starting

- Ensure you have the correct tools to complete the fitment
- Read the instructions in full and familiarize yourself with the installation, before commencing any work

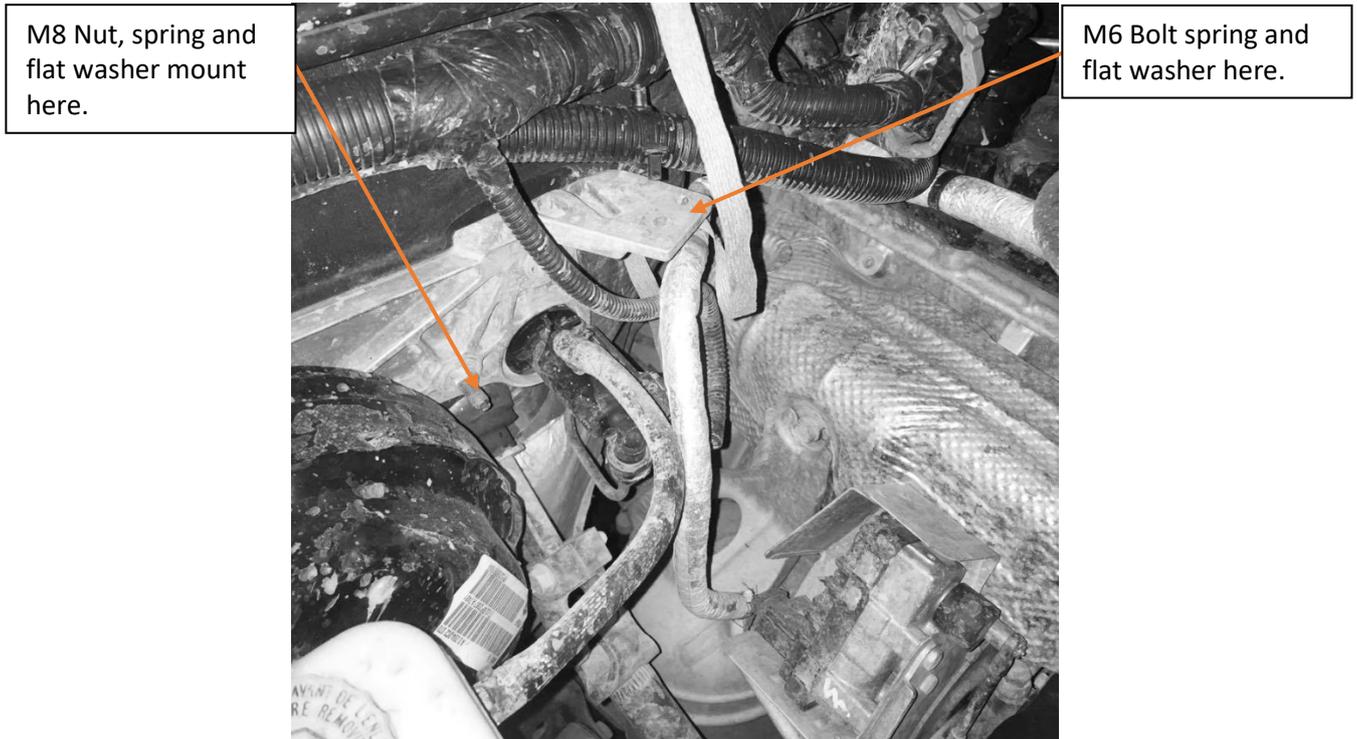
Included in the kit

1 x Mann + Hummel PreLine 150
2.4m of Heat Sleeve
2.4m x 3/8" EFI Fuel Hose
1 x 3/8" QR Male Joiner
1 x 3/8" QR Female Joiner
4 x 15-17mm EFI Clamps
6 x 200mm Cable Ties
2 x M16 to -6 Adaptors
4 x -6 to 3/8" Tail 90° Elbows
2 x M10x30 Bolts
4 x M10 Flat Washers
2 x M10 Nyloc Nuts
1 x Water Alarm Fitting Kit
1 x Mounting Bracket A
1 x Mounting Bracket B
1 x Support Shaft
3 x M8 Flat Washers
3 x M8 Spring Washers
1 x M8 Nut
2 x M8x16 Bolt
1 x M6x12 Bolt
1x M6 Spring Washer
1x M6 Flat Washer



Installation Guide

1. Bolt the new ProVent mounting bracket in place using the supplied hardware. The location is shown on the image below and on the next page.

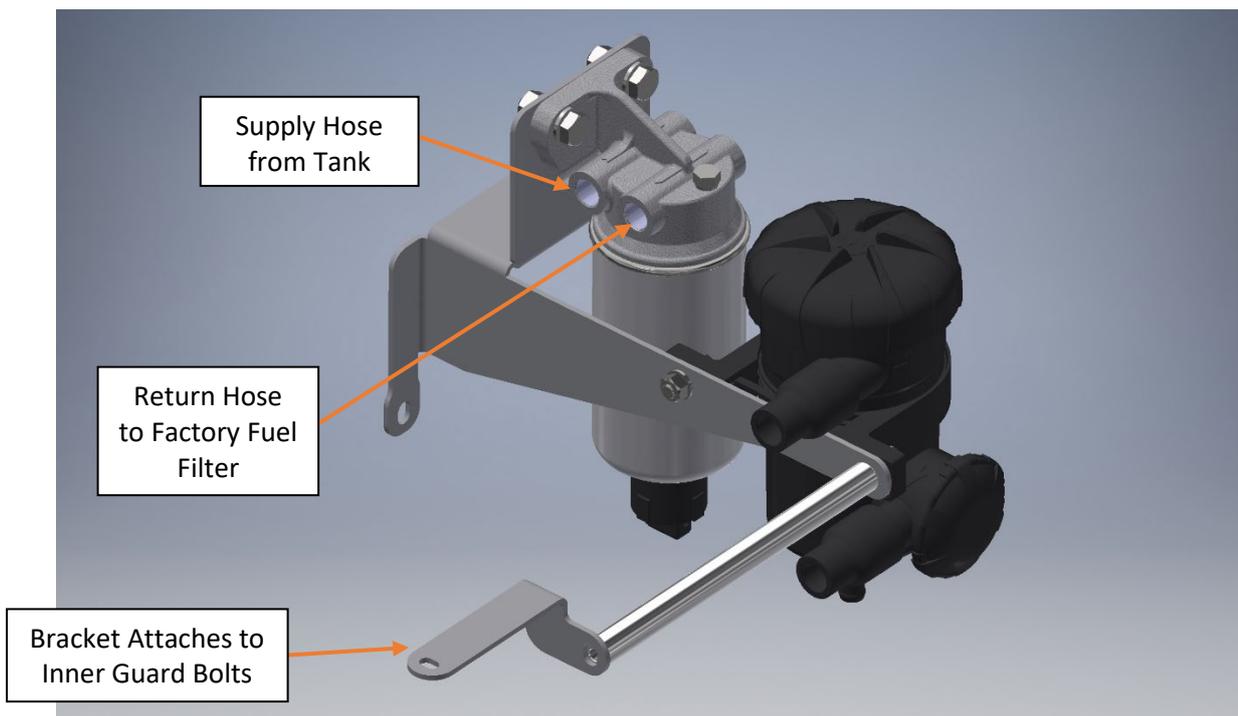
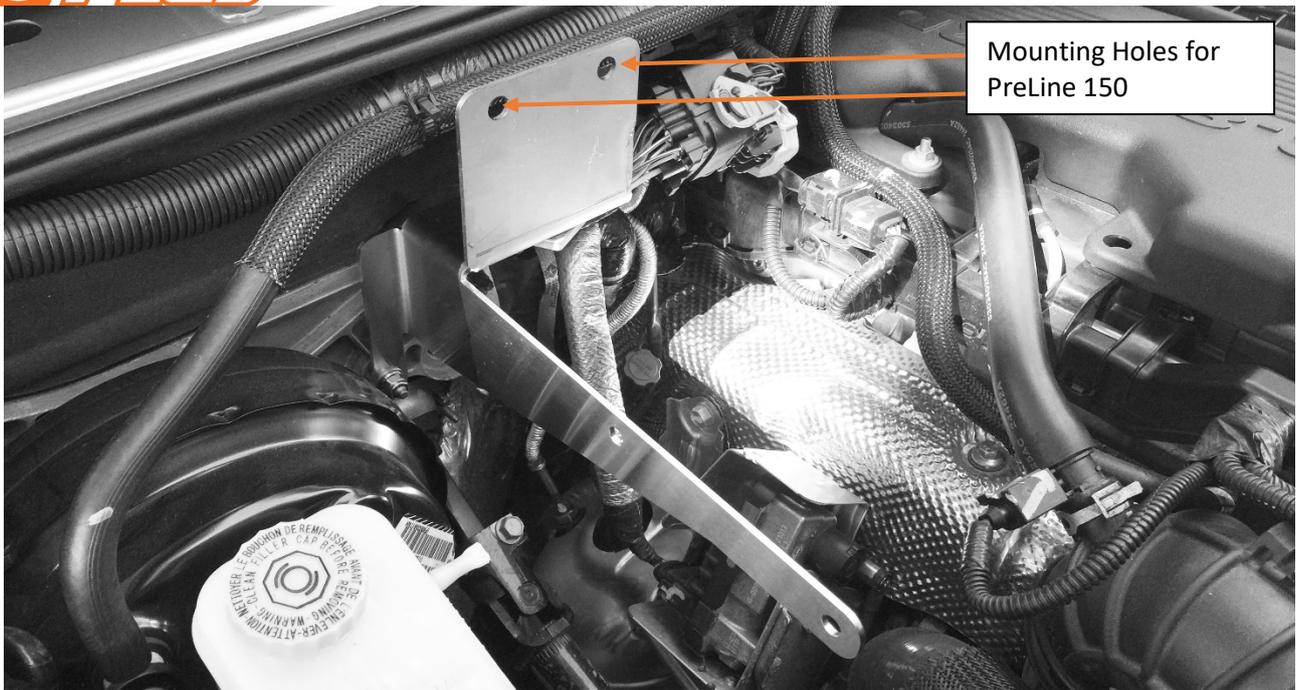


M8 Nut, spring and flat washer mount here.

M6 Bolt spring and flat washer here.

Jeep JK Diesel Engine Bay – ProVent mounting Location

2. With an M10 flat washer on each of the M10x30mm bolts, mount the PreLine 150 to the mounting bracket. Use a flat washer and nyloc nut to secure the bolts on the other side.



Provent 200, PreLine 150 with bracket assembly– Please note fuel fittings not shown in this image

3. Install the M16 to -6 Adaptors to the ports on the PreLine, then need to be on the same side as the master cylinder. The blanking ports should be on the other side. Use Loctite to seal the threads and stop leaks.
4. Install two of the -6 to 3/8" tail 90° elbows to the -6 adaptors just installed. Face the fittings down and use Loctite to seal the threads and stop leaks.
5. Connect the wiring harness to the water sensor in the bottom of the fuel filter. Check to make sure the water sensor and filter are tight on the assembly.



6. There are three wires on the harness, a long wire (signal), a short wire with eyelet(earth) and a short wire with an inline fuse holder (power). The fuse is a mini blade type and rated at 5A.
7. Route the signal wire for the in-cabin warning light around the battery, up the side of the engine bay, across the back of the engine bay and through the grommet in the firewall on the driver's side. Use cable ties to retain in place.
8. Mount the in-cabin warning light in the desired location, you will need a 20mm hole-saw to do this cleanly and quickly.
9. Secure the signal wire from the engine bay to one of the terminals on the warning light. To the other terminal, connect the short earth lead. Use an M6 earth location to secure the eyelet on the short earth lead.
10. Connect the Positive eyelet on the harness to the positive terminal on the battery.
11. Connect the Negative eyelet on the harness to the negative terminal on the battery or a chassis earth.
12. Secure any excess wiring out of the way with the supplied cable ties.
13. Assembly the 3/8" QR Male joiner and a -6 to 3/8" tail 90° elbow, use Loctite to seal the threads and stop leaks. Cut a 1.2m length of fuel hose and install over the 3/8" hose tail, use a 15-17mm clamp to secure in place. Cut a 1.2m length of heat sleeve and install over the fuel line, it should cover all the way to the clamp.
14. Assembly the 3/8" QR Female joiner and a -6 to 3/8" tail 90° elbow, use Loctite to seal the threads and stop leaks. Cut a 1.2m length of fuel hose and install over the 3/8" hose tail, use a 15-17mm clamp to secure in place. Cut a 1.2m length of heat sleeve and install over the fuel line, it should cover all the way to the clamp.
15. Underneath the vehicle. disconnect the fuel supply line quick release fitting to the factory fuel filter. Install the 3/8 QR Male joiner into this fitting and ensure the safety interlock is reinstalled. Feed the hose up to the rear port on the new PreLine fuel filter assembly. Use a 15-17mm clamp to secure in place.
16. Install the 3/8 QR Female joiner to the inlet port of the factory fuel filter housing. Feed the hose up to the front port on the new PreLine fuel filter assembly. Use a 15-17mm clamp to secure in place. Use the 200mm cable ties to secure these new lines in place clear of exhaust and other components.
17. Turn the ignition on in the vehicle only, the electric fuel pump should prime the system. If additional bleeding is required (and after a filter change) there is a bleed screw on top of the PreLine unit to remove air.
18. Once complete start the vehicle, carefully and toughly checking for leaks.
19. Run the vehicle for at least 20 minutes to ensure there are no air pockets in the fuel system.



Example of completed installation of ProVent / PreLine kit on the 2.8L engine. Please note 90° fittings used in the production kit are different to those in this image.

[End of Installation Guide](#)