



1997-2006 Jeep Wrangler Steering Shaft Relocation Bracket BHS520 Installation Instructions



Thank you for choosing to use Hooker Blackheart products on your 1997-2006 Jeep Wrangler Gen 3 Hemi engine swap project. This bracket is part of the most comprehensively designed engine swap system available for installing a Chrysler Gen 3 Hemi engine in to this vehicle application.

PRE-INSTALLATION CONSIDERATIONS:

This steering shaft relocation bracket has been designed to help facilitate the installation of Hooker Blackheart Gen 3 Hemi engine swap headers onto a Hemi engine that has been installed using Hooker Blackheart Hemi engine mounting brackets. It is intended for use on Jeep Wranglers, which do not have a body lift. Jeep Wranglers that have a body lift will need to have their steering shaft re-engineered by a qualified fabricator in order to be able to install the Hooker Blackheart Gen 3 Hemi engine swap headers.

COMPATIBILITY INFORMATION:

This bracket is installable on the stock 1997-2006 Jeep Wrangler 6-cylinder frame only.

BEFORE BEGINNING:

Check that the hardware package includes the following:

(x2) M10 Flat Washers, (x2) M6 Bolts, & (x2) M6 Lock Nuts

INSTALLATION:

These instructions have been written under the assumption that you have already installed a Gen 3 Hemi engine and 545RFE transmission into your vehicle, on the stock skid plate, using Hooker Blackheart engine and transmission mounting components, and have also installed Hooker Blackheart Jeep Wrangler Hemi engine swap headers onto the engine per their instructions.

1. Remove the two factory nuts securing the stock steering shaft support bushing assembly to the stock shaft support bracket.
2. Remove the stock shaft support bracket from the steering shaft and vehicle.
3. Remove the plastic locating rivet(s) from the metal flange of the steering shaft support bushing assembly, if present.
4. Install the supplied relocation bracket over the steering shaft and attach the steering shaft support bushing assembly to it using the supplied M6 bolts and nuts. Rotate the steering shaft bushing assembly from its stock rotational position on the shaft to allow the holes in its metal flange to line up with the two small attachment holes in the relocation bracket to accomplish this.
5. Attach the relocation bracket back onto the stock frame attachment bracket using the stock fasteners previously removed.

6. Adjust the steering bracket to provide adequate clearance between the steering shaft support bushing and the primary tube of the Hooker Blackheart Hemi swap header that is in close proximity to it. The two included M10 washers are provided for use as shims, if needed for adjustment, between the lower vertical flange of the relocation bracket and the frame attachment bracket. If you need to use them, you will need to remove the bolt that goes through the flange and reinstall it through the washers after they are positioned between the two brackets.
7. If increased heat protection is desired for the steering shaft support bushing, heat barrier material can be installed around it and be held in place with safety wire.

LIMITATION OF LIABILITY – DISCLAIMER:

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