



1987-1995 Jeep Wrangler 545RFE Transmission Mount Bracket BHS537

Installation Instructions



Thank you for choosing to use Hooker Blackheart products on your 1987-1995 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 bracket has been designed to help facilitate the installation of a Chrysler Gen 3 Hemi engine and Dodge/Ram 1500/2500 545RFE transmission and transfer case adapter into a 1987-1995 Jeep Wrangler that is using Hooker Blackheart Hemi engine mounting brackets and the stock Jeep skid plate as its mounting foundation. This mount bracket is designed to be used with a Hooker Blackheart 71223029HKR (black) or 71223030HKR (red) transmission mount.

COMPATIBILITY INFORMATION:

This bracket is bolt-in compatible with stock 1987-1995 Jeep Wrangler skid plates that are factory-equipped with transmission mounting slots located in the boxed beam that runs across the center of the skid plate. Earlier model stock skid plates that were not factory equipped with mounting slots in this location will need to have them created by the user.

In such instances, the slots will need to be centered within the width of the boxed beam and be sized to be 1-3/4" long and 7/16" wide. The slot centerlines are to be projected directly rearward from the existing forward located slots in the skid plate and a rectangular access hole will also need to be cut on the underside of the skid plate to enable the new slots to be accessed.

BEFORE BEGINNING...

Check that the hardware package includes the following:

(4) M10 x 1.5 x 25mm bolts, (2) M12 x 1.75 x 35mm bolts, & (2) M12 x 1.75 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 using Hooker Blackheart Hemi engine swap mounting brackets.

1. Attach the supplied U-shaped part of the bracket assembly onto the bottom of the Dodge/Ram 1500/2500 4WD 545RFE transmission transfer case adapter with two of the supplied M10 bolts. This part of the adapter assembly will be attached using the two forward holes in the bottom of the transfer case adapter. Do not fully tighten the bolts at this time.
2. Attach the supplied Z-shaped part of the bracket assembly onto the bottom of the transfer case adapter with the two remaining supplied M10 bolts. This part of the adapter assembly will mate against the bottom surface of the U-shaped part already installed and be attached to the two rear holes in the bottom of the transfer case adapter. Do not fully tighten the bolts at this time.
3. Attach a Hooker Blackheart 71223029HKR or 71223030HKR transmission mount to the bottom of the adapter bracket assembly with the supplied M12 bolts and nuts, followed by installing the studs supplied with the transmission mount into the bottom of the mount. Tighten all the bolts/nuts installed to this point.

4. Raise transmission up with a floor jack and install the skid plate to the bottom of the frame rails, then lower the transmission down onto the skid plate.
5. Install the nuts supplied with the transmission mount onto the transmission mount studs from underneath the skid plate, and then tighten the nuts.

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Date: 11-19-20