



HYLINE
OFFROAD

Proudly Made In USA

Installation Instructions:

JK Heavy Duty
Transmission Crossmember
Part Number: **400.400.160**

Vehicle Fitment:

2012-2018 Jeep JK Wrangler
& Unlimited Models

www.hylineoffroad.com

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Parts List	Tools Needed		
<p>Qty:</p> <p>1 HD Transmission Crossmember</p>	 <p>Ratchet 18mm Socket 16mm Socket 18mm Wrench</p>	 <p>Floor Jack Jack Stand (Optional)</p>	 <p>Safety Glasses</p>

Congratulations on your purchase of the Hyline Offroad HD Transmission Crossmember. All of our products are completely manufactured in our facility located in Perkasio, PA. They are designed and engineered by Offroad enthusiasts just like you to be rock solid at an affordable price. Hyline Offroad would like to thank you for your recent purchase and look forward to serving you in the future.

Hyline Offroad Staff

PLEASE READ INSTRUCTIONS BEFORE BEGINNING INSTALLATION

NOTE: Before starting installation, Park you Jeep on flat, level area, put in park and set emergency brake.

Step 1 – Using the 18mm socket with ratchet, remove the stock transfer case and transmission skid plates if equipped. Do this by removing the seven (7) bolts that attach the skids to frame and stock crossmember. Also remove the two (2) bolts that connect the gas tank skid to the crossmember (See Figure 1 – Arrows to each bolt location)

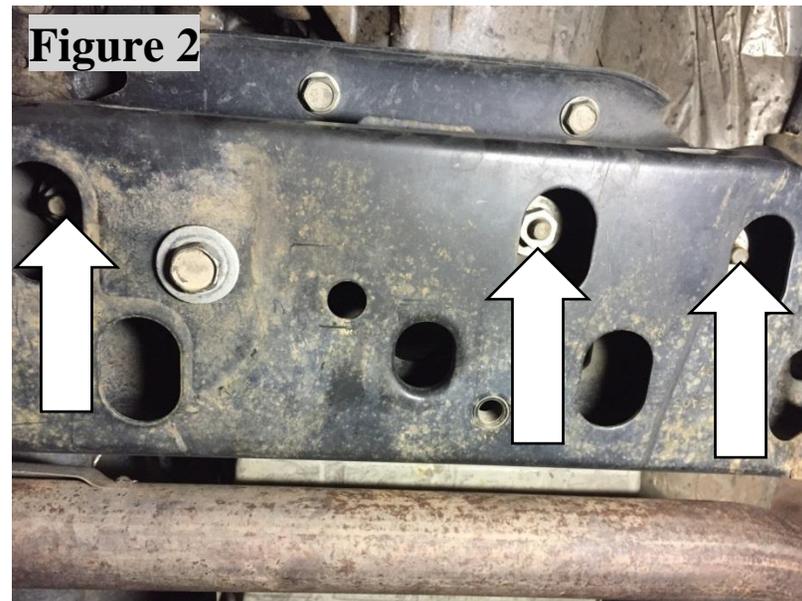
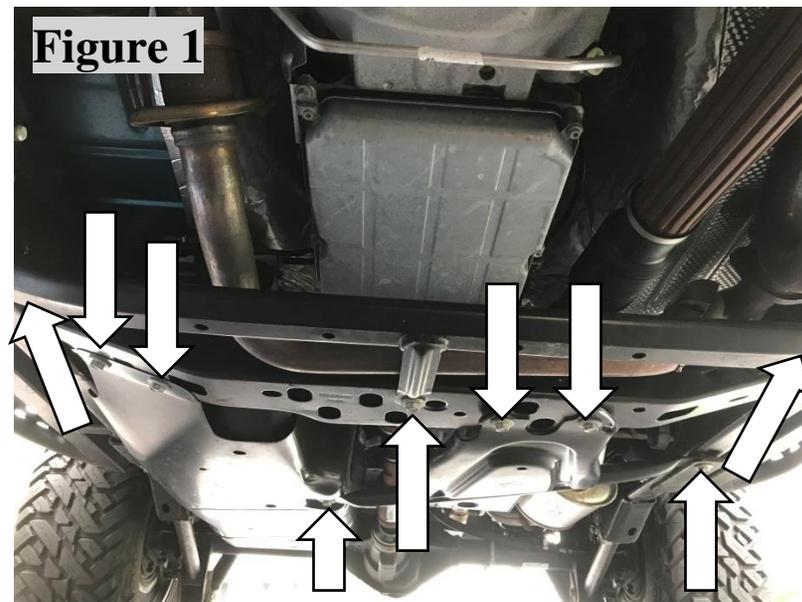
Step 2 – Once the two skid plates are removed use the 16mm socket and ratchet to remove the three (3) nuts that secure the transmission mount to the crossmember. (See Figure 2)

Step 3 – Using the floor jack lift at the transfer case just enough to relieve weight off of the transmission and crossmember.

Step 4 – Using the 18mm socket/ratchet and 18mm wrench, remove the four nuts on each side that connect the transmission crossmember to the frame mounts. (See Figure 3 on page 3)

Step 5 – With the weight of the transmission still relieved from the crossmember, you can now remove the four long bolts holding the transmission crossmember in place. Remove the driver side first, then passenger side. You should be able to wiggle the passenger side out from between the gas tank skid and frame mount.

Step 6 – Install the Hyline HD Crossmember into place by first sliding the passenger side into place. Ensure the transmission mounting bolts are aligned and protrude through the holes in the HD Crossmember. Once in place, reinstall the long bolts and nuts you previously removed in step 5. **DO NOT TIGHTEN YET**



Step 7 – Now reinstall the long bolts and nuts on driver side.
DO NOT TIGHTEN YET

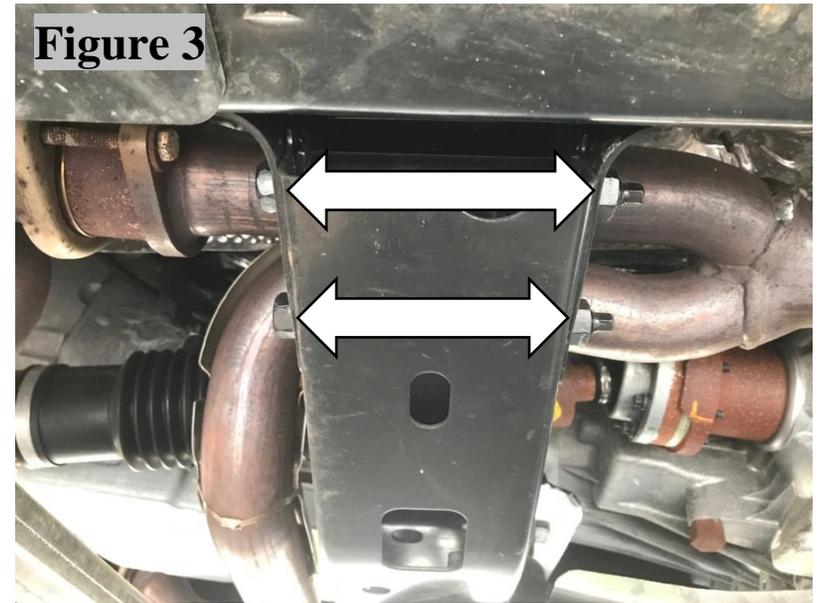
Step 8 – Lower the jack from the transfer case and let the weight of the transmission rest on the HD Crossmember.
Reposition the jack under the HD Crossmember and lift just enough until the vehicle itself begins to lift. This step will provide slightly more ground clearance and will take out any play within the large clearance holes on the factory transmission mounting brackets.

Step 9 – With the HD Crossmember lifted in place you can now tighten the long bolts and nuts to about 90 ft-lbs. Lower the jack and remove.

Step 10 – Reinstall the (3) three transmission mount nuts located on the bottom side of the HD Crossmember.
Tighten the nuts at this time.

Step 11 – Using all the factory hardware, reinstall all of the skid plates you previously removed in Step 1.

Step 12 – 2007-2011 models will require minor trimming of the factory transfer case skid plate if you're reinstalling that. Trim the one front flange that interferes with the HD Cross Member. 2012 and new models will NOT require any modification to the factory skids.



**** IMPORTANT: PLEASE READ BEFORE INSTALLING**

HYLINE OFFROAD, LLC WARRANTY

HYLINE OFFROAD, LLC. LIMITED WARRANTY Hyline Offroad, LLC, warrants all products against manufacturer's defects in workmanship and material for a period of one (1) year from the date of sale. This warranty applies to manufacturer's defects only and does not cover damage or failure caused by natural causes or third parties.

If product failure does occur within the time period specified according to the provisions of this Warranty, then Hyline Offroad, LLC agrees to provide the replacement product free of charge, F.O.B. factory. This Warranty is valid only so long as the product is installed on the original vehicle. Removal of the product from this vehicle automatically invalidates this Warranty.

As described above, this warranty is expressly limited to the material cost of the product and does not extend to labor costs. Hyline Offroad, LLC will not be responsible for any costs incurred in the removal or reinstallation of the product furnished by manufacturer under this warranty.

CLAIMS PROCEDURE Submit Warranty claim in writing, by certified mail to Hyline Offroad, LLC, 1507 C West Park Avenue, Perkasio, PA 18944. The Claim Notice must state the date of this Notice, the nature of the defect, date of purchase and if already installed, the date of installation, if installed the name of installer and include Proof of Purchase.

This Warranty shall be for the benefit of the original owner only, and is non-transferable. This Warranty is valid in those states where permitted. Some states do not allow limitations on the length of an implied warranty, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. You should check your local state laws to determine this. This Warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

THE WARRANTIES SET FORTH IN THE FOREGOING PROVISIONS ARE LIMITED TO THEIR PRECISE TERMS AND PROVIDE EXCLUSIVE REMEDIES EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION IN THE FOREGOING PROVISIONS. HYLINE OFFROAD, LLC EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY WITH REGARD TO THE PRODUCTS. HYLINE OFFROAD, LLC IS NOT LIABLE TO ANYONE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY WARRANTY, EXPRESS OR IMPLIED. HYLINE OFFROAD, LLC IS NOT LIABLE FOR DAMAGES TO PERSON OR PROPERTY, CONSEQUENTIAL LOSSES, LOSS OF PROFIT, LOSSES OF PRODUCT IN STORE, OR THE LIKE, UNDER ANY CIRCUMSTANCES AND HYLINE OFFROAD, LLC'S LIABILITY IN ANY CIRCUMSTANCE IS SPECIFICALLY LIMITED BY THE TERMS OF THIS WARRANTY.

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1. In purchasing a Hyline Offroad, LLC Product™ I release, waive, discharge and covenant not to sue Hyline Offroad, LLC's officers, servants, agents, or employees (hereinafter referred to as Releasees) from any and all liability, claims, demands, actions and causes of action whatsoever arising out of or related to any loss, damage, or injury, including death, that may be sustained by me (or anyone else), any property belonging to me (or anyone else), whether caused by the negligence of the releasees or otherwise, while working on, using or any activity related to this product.
2. I am fully cognizant of any risks and/or hazards connected with the use of a this product and I elect to willingly engage in such use of this product knowing that the use may be hazardous to me and my property. I willingly assume full responsibility for any risks of loss, property damage or personal injury, including death, that may be sustained by me (or anyone else), or any loss or damage to property owned by me (or anyone else), as a result of using this product, whether caused by the negligence of releasees or otherwise.
3. I further agree to indemnify and hold harmless the releases from any loss, liability, damage or costs, including court cost and attorney fees, that they may incur due to my use of a this product, whether caused by negligence of releasees or otherwise.
4. It is my express intent that this Release and Hold Harmless Agreement shall bind the members of my family and spouse, if I am alive, and my heir's assigns and personal representative, if I am deceased, and shall be deemed as a release, waiver, discharge, and covenant not to sue the above named releasees. I further agree that this Waiver of Liability and Hold Harmless Agreement shall be construed in accordance with the laws of the State of Pennsylvania.

By accepting and installing this product, I acknowledge and represent that I have read the above Warranty and Hold Harmless Agreement, understand it and accept it willingly as my own free act and deed; no oral presentations, statements, or inducements, apart from the foregoing written agreement, have been made; I am at least eighteen (18) years of age and fully competent; and I execute this Release for full, adequate and complete consideration fully intending to be bound by same.

If you do not agree with the preceding Hold Harmless Agreement, you may return the product and receive a full refund. Please, contact a Hyline Offroad sales representative and they will issue a call tag for the product in question. Once the product has been received by Hyline Offroad, inspected and accepted for return, a full refund will be issued.