

JK Cross Member Install Instructions

Tool List:

Ratchet

18mm Socket

16mm Deep Well Socket

18mm Combination Wrench

Jack

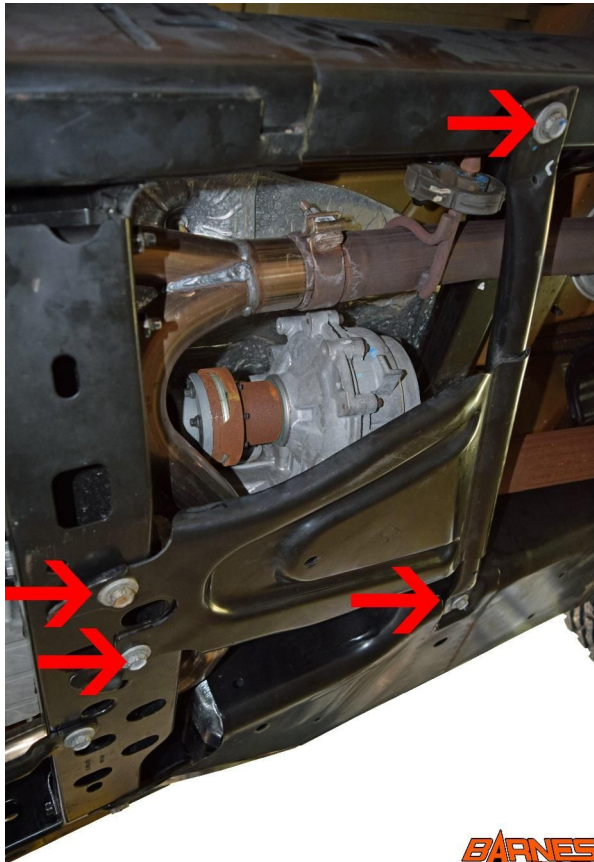
Jack stand

2 wooden blocks

Safety glasses

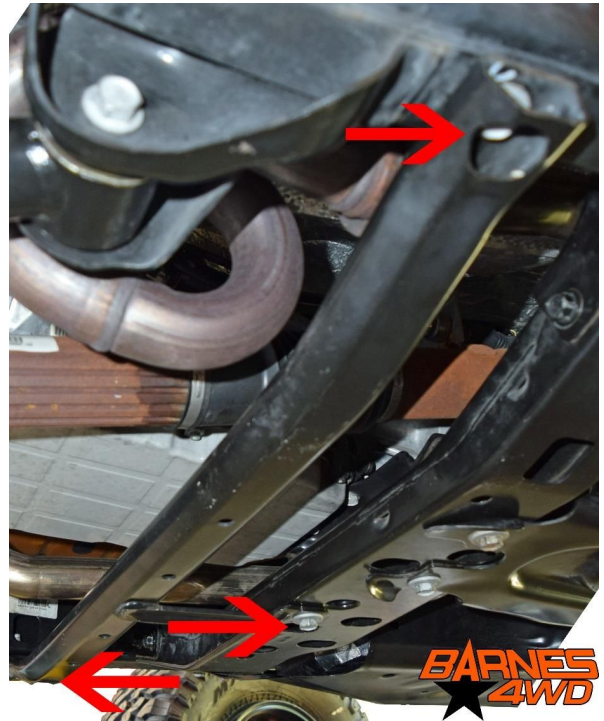
Gloves

1. Use an 18mm socket to remove the 2 bolts that secure the transfer case skid to the cross member, one bolt that secures it to the frame rail, and one bolt that secures it to the fuel tank skid.

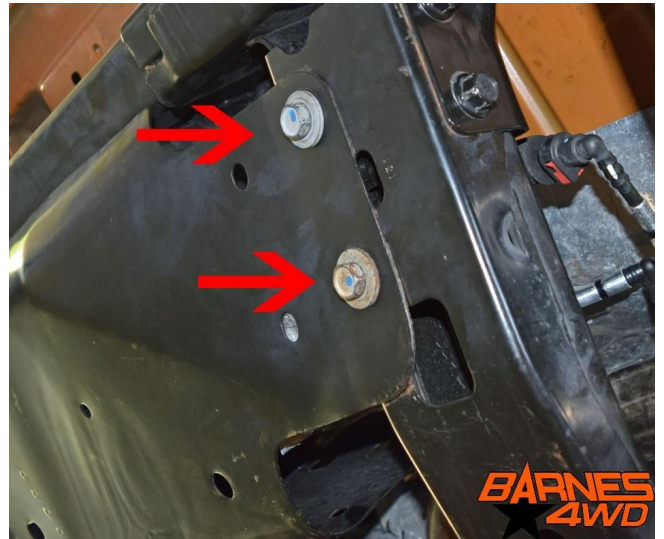


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2. Using the 18mm socket remove the transmission pan skid. There is one bolt in either frame rail and one in the crossmember.

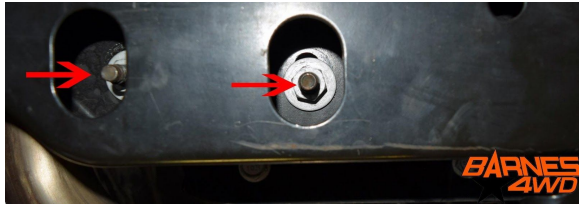


3. Using the same 18mm socket remove the 2 bolts that secure the fuel tank skid to the cross member.



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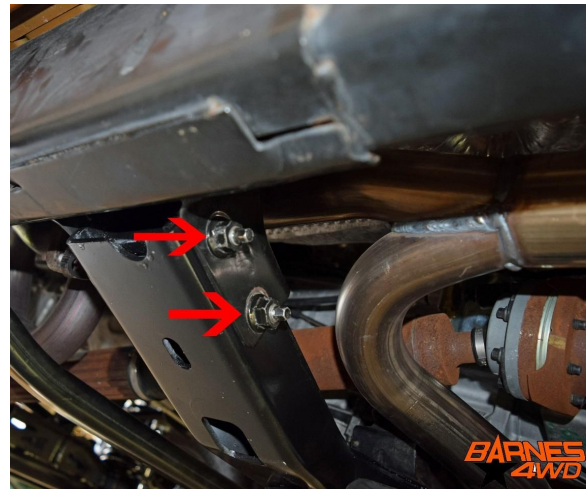
4. Use a 16mm deep well socket to remove the 3 nuts that hold the transmission mount to the cross member (one nut is not shown in picture).



5. Use a jack to slightly lift the transmission off from the cross member, taking care not to lift the transmission – transfer case assembly too far to avoid damage. The studs for the transmission mount do not need to clear the cross member, only slightly lifted to support the weight of the assembly. Use a block of wood in-between the jack and the transfer case to prevent damage (see picture). After slightly lifting the transmission put a jack stand under the transmission pan with a block of wood for safety. Leave both the jack and jack stand in place until the new cross member is installed.



6. Using the 18mm wrench and the 18mm socket remove the nuts on either end of the cross member (4 total).



7. Make sure that the transmission is securely and properly supported on a jack, and jack stand, then remove the two driver's side cross member bolts first, then removed the two passenger side bolts. Lower the cross member on the driver's side and slide it out towards the driver's side.



8. You are now ready to install your new HD cross member, slide the new cross member in from the driver's side and install the 4 bolts that hold it in place, then install the nuts on the bolts with the 18mm socket and wrench and tightened securely.
9. After that remove the jack stand and wood block from under the transmission pan. Gently lower the jack and take care to make sure the studs on the transmission mount correctly line up with the holes in the new cross member.
10. Install the 3 nuts on the transmission mount studs with the 16mm deep well socket and tighten securely.
11. Install the two bolts that hold the gas tank skid to the cross member with the 18mm socket and tighten securely.
12. Install the transfer case skid plate and its 4 bolts with the 18mm socket, two bolts in the cross member one bolt in the fuel tank skid and one in the driver's frame rail and tighten securely.
13. Install the transmission pan skid plate and its 3 bolts with an 18mm socket.

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