

IRON ROCK OFF ROAD

WJ High Clearance Crossmember Installation Instructions

I-877-919-JEEP www.ironrockoffroad.com

Parts Checklist:

BOX 1 48x6x6

- Instructions
- Invoice
- Iron Rock Off Road logo decal (1)
- WJ High clearance crossmember 92331 (1)

#87 - WJ high clearance crossmember (1)

- M10 x 40mm (1 1/2") hex bolt (4)
- M10 x 90mm (3 1/2") hex bolt (4)
- M10 x 120mm (4 3/4") hex bolt (4)
- M10 x 60mm (2 3/8") hex bolt (2)
- 3/8 USS Flat washer (8)



Installation Instructions:

Safety Warning: ***Important! Read before installation.***

Iron Rock Off Road recommends that this system be installed by a qualified professional. Knowledge of suspension component function is necessary for safe installation and post installation inspections. Be sure to re-torque all suspension components after the first 100 miles of use, and frequently inspect all safety critical suspension components.

Before you begin:

- Read all safety warnings.
- Read and understand installation instructions.
- Check all transmission and engine mounts for wear and replace as needed.
- Contact Iron Rock Off Road with any questions before, during, or after installation.
- You will need anti-seize compound basic tools and a torque wrench.

Prepare the parts for installation:

1. Ensure that all parts are present and in good condition per attached shipping checklist!
2. Assemble bolt combination depending on setup:
 - a. New cross member with or without IRO Front long arm mounts
 - Replace long (outboard) bolts with M10 x 90mm (3 1/2") hex bolts
 - Replace short (inboard) bolts with M10 x 40mm (1 1/2") hex bolts
 - b. New cross member **with IRO Transfer case drop**, with or without IRO Front long arm mounts
 - Replace long (outboard) bolts with M10 x 120mm (4 3/4") hex bolts
 - Replace short (inboard) bolts with M10 x 60mm (2 3/8") hex bolts on left side of vehicle
 - Reuse short (inboard) bolts on right side of vehicle

Crossmember Installation:

3. Lift vehicle if necessary and support with tall jack stands under the axles.
4. Ensure the vehicle is safely supported.
5. Slightly lift transmission to remove load from cross member and support securely with jack stand.
6. Support cross member to prevent it from falling when bolts are removed.
7. Remove crossmember to transmission mount through bolt and set aside.
8. Remove crossmember to uni-frame mounting bolts and carefully lower cross member from vehicle.
9. Apply anti-seize compound to crossmember to uni-frame mounting bolts determined previously.
10. Install new crossmember using bolt combination determined previously.
11. Use washers under all 8 bolts
12. Torque bolts all 10mm bolts to 50 foot pounds.
13. Install cross member to transmission mount through bolt and lock nut. Torque to 50 foot pounds.
14. Remove transmission support jack stand and lower vehicle onto ground.