

# RH017 INSTALLATION INSTRUCTIONS

## REQUIRED TOOLS:

Wrenches and sockets: 13mm, 18mm, 21mm, 22mm

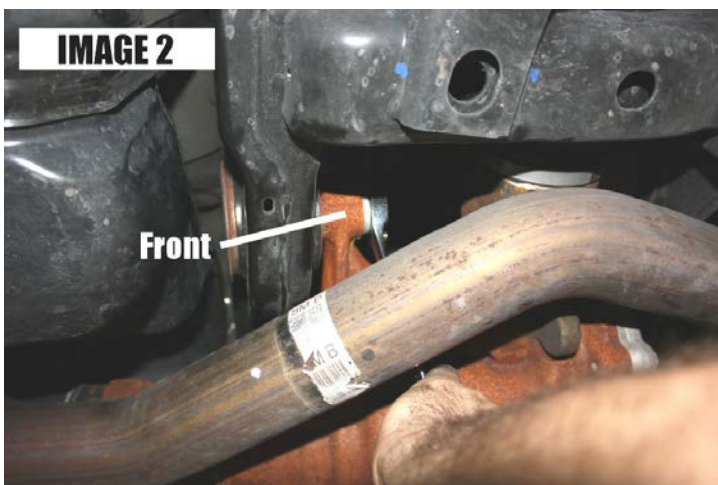
Jack and jack stands

Torque wrench

Pry-bar (optional)

## INSTALLATION:

1. Lift vehicle and safely support with jack stands under the frame rails. Do not put stands under the rear cradle as it will be necessary to lower the cradle for this installation.
2. Place the hydraulic jack under the differential and raise it to support the entire cradle/differential.
3. Using a 21mm socket, loosen the two rear cradle bolts but do not remove. Leave approximately 3/8"-1/2" of thread engagement. (**IMAGE 1**)
4. Using a 21mm socket, remove the front two differential bolts. (**IMAGE 2**)
5. Remove the small bolts on the front cradle support brackets using a 13mm socket.



6. Using a 21mm socket, remove the two front cradle mounting bolts. (**IMAGE 3**)
7. Lower the front of the cradle until the front of the differential bushings are accessible.

## RH071 INSTALLATION INSTRUCTIONS

8. Remove all four front bolts and set aside.
9. Assemble the 65mm bolt (middle bolt in image to the right), large stainless washer, and lock washer. Apply blue Loctite then thread it into the front side of the front differential bushing as shown in **IMAGE 4**. Hand-tighten until the lock washer is flattened.
10. Place a lock washer and flat washer on the 35mm bolt (shortest bolt shown in the image to the right) and thread it into the rear of the front differential bushing as shown in **IMAGE 5**. Hand-tighten until the lock washer is flattened.



11. Tighten all four front bolts to 129 ft/lbs.  
**NOTE:** to tighten the smaller bolts it may be necessary to use an Allen wrench to clear the CV shaft. If using an Allen wrench, turn wrench 90 degrees (or ¼ turn) after the lock washer is flattened.
12. Now remove the rear differential bolts.
13. Insert the (2) machined aluminum sleeves into the factory bushings as shown in **IMAGE 6** on the next page.

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## RH071 INSTALLATION INSTRUCTIONS

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14. Assemble the 100mm bolt, large stainless washer, and lock washer. Apply blue Loctite then thread it into the rear differential bushing as shown in **IMAGE 7**.
15. Tighten to 129 ft/lbs.
16. Lift the cradle back up to the frame and insert the front cradle bolts and cradle supports.
17. Tighten the main front cradle bolts to 129 ft/lbs.
18. Tighten the smaller bolts on the front cradle supports to 41 ft/lbs.
19. Tighten the rear cradle bolts to 129 ft/lbs.
20. Lower vehicle.

**IMAGE 6**



**IMAGE 7**



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*This product is an aftermarket accessory and not designed by the vehicles manufacturer for use on this vehicle. As such, buyer assumes all risk of any damage caused to the vehicle/person during installation or use of this product.*