



7° Reamer Tool

Thank you for choosing Rough Country for all your vehicle needs.

Please read instructions before beginning installation. Check the kit hardware against the kit contents shown below. Be sure you have all needed parts and know where they go.

If question exist, please call us @1-800-222-7023. We will be happy to answer any questions concerning this product.

Check all fasteners for proper torque. Check to ensure for adequate clearance between all components.

Periodically check all hardware for tightness.

KIT CONTENTS:
7° Reamer x1

TOOLS NEEDED:
Drill Motor
5/8" Drill Bit
Calipers



INSTALLATION INSTRUCTONS

1. Remove any tie rod ends from the pitman arm and or knuckles. **See Photo 1.**
2. Secure any moving part of the suspension so that it does not move. Then use a drill motor and a 5/8" drill bit to drill through the existing hole in the part. **See Photo 2.**

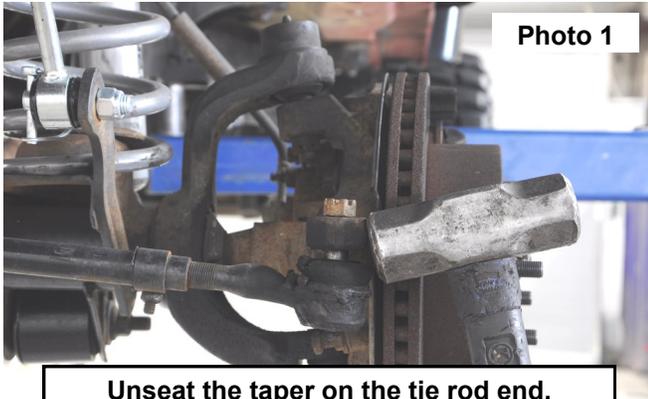


Photo 1

Unseat the taper on the tie rod end.

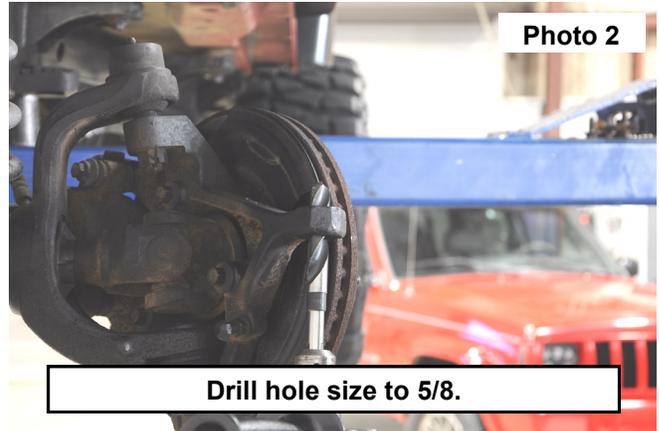


Photo 2

Drill hole size to 5/8.

3. Using the 7° reamer, use a pair of calipers to find 3/4" of an inch, outside diameter for the reaming depth. Mark this depth onto the reamer using masking tape or a permanent marker. **See Photo 3.**
4. Use a lubricant on the reamer when reaming out the bottom of the drilled hole. **NOTE: DO NOT** ream all the way to the mark made onto the reamer, without confirming the ball joint depth for proper fitment of the tie rod end, castle nut and cotter pin. **See Photo 4.**



Photo 3

Mark 3/4 inch on the 7° reamer.



Photo 4

Use care when reaming the knuckle.

5. Confirming the depth of the ball joint as shown in photo 5. Slowly ream until the castle nut will seat the ball joint allowing the cotter pin to go into the ball joint. **See Photo 5 and 6.**
6. Using care not to over ream the hole will allow the proper ball joint working room in between the knuckle and the ball joint. **See Notes in Photo 6.** If supplied, install the cotter pin.

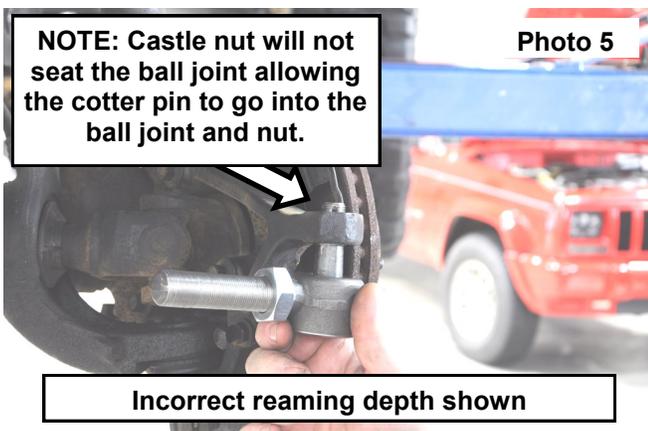


Photo 5

NOTE: Castle nut will not seat the ball joint allowing the cotter pin to go into the ball joint and nut.

Incorrect reaming depth shown

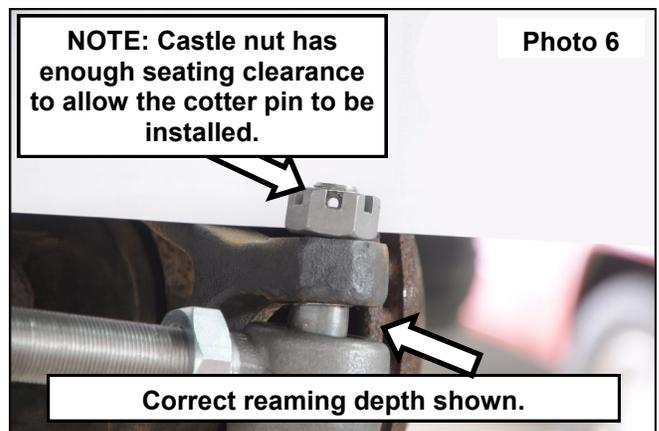


Photo 6

NOTE: Castle nut has enough seating clearance to allow the cotter pin to be installed.

Correct reaming depth shown.

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