

# Rugged Ridge™

## AMC 20 One-Piece Axle Kit (Kit with Timken® Bearings) INSTALLATION INSTRUCTIONS.

### **THINGS TO DO BEFORE ASSEMBLY.**

Specify your vehicle! Cross reference with information listed in table provided below. Double check your axle lengths and received axles to information provided before attempting installation. Mark the backing plates **DRIVERS SIDE** and **PASSENGER SIDE** with reference to the inner and outer Surface. Brake hoses should also be removed to ease instructions.

These prior procedures will make it easier to install the one piece axle shafts and will eliminate any possible confusion in putting the backing plates back on. Generally, it is recommended to have brake shoes removed from the backing plate for easier installation.

**REMEMBER THAT PRESSED ON PARTS CAN NOT BE REUSED. REPLACEMENTS WILL NEED TO BE REORDERED IF INSTALLED WRONG.**

### Kit Includes:

- (2) Oil Seal
- (2) Axle Seal
- (2) Axle Shaft - (left and right side)
- (1) RTV Silicone (Blue 61309)
- (2) Spacer - Large
- (2) Press On Retainer - Small
- (2) Bearing Assembles
- (10) Wheel Studs



- Step 1:** Mount wheel studs on axle shafts. (Studs may need to be pressed onto hub). Make sure that studs are aligned straight before applying pressure.
- Step 2:** Slide the outer seal (the seal with the retainer plate with 5 bolt holes) onto axle shafts first.
- Step 3:** Slide brake backing plate on axle shaft (make sure correct axle is used and that the correct side is facing out). Failure to follow instructions will result in the need to press off the backing plate, bearing, and retainer ring. Replacement parts will need to be re-ordered. (**PRESS ON ITEMS ARE FOR ONE TIME USE AND CAN NOT BE REUSED**).
- Step 4:** Check inner axle seal, and make sure it is seated all the way into the axle housing tube.
- Step 5:** Install the bearing spacer ring into axle housing (Large lip on spacer faces outwards towards the axle hub and smaller thicker face seats into axle tube).
- Step 6:** Before pressing the press-on ring install it along with the bearing into bearing spacer ring located in axle housing, making sure that they are seated against the spacer ring face. With parts in place the edge of the bearing should only protrude between .020 to .080 inches from the axle housing end. (The bearing spacer ring may need to be ground down to achieve this measurement).
- Step 7:** Pack wheel bearings with high speed E.P wheel bearing grease. (It is recommended to repack wheel bearings every year to insure bearing life and warranty) Press wheel bearing onto axle shaft with large lip of bearing facing axle shaft splines.

**WARNING: BEARING CAN NOT BE REUSED IF PRESSED ON BACKWARDS!  
TAKE THE TIME TO DOUBLE CHECK YOUR WORK.**



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- Step 8:** Press bearing retainer ring onto axle shaft behind wheel bearing.  
**WARNING: RETAINER MUST BE PRESSED TIGHT AGAINST BEARING OR FAILURE OF BEARING WILL OCCUR.**
- Step 9:** Make sure that the end of the axle housing is clean. Apply a small amount of RTV silicone sealer around the housing end and between the outer seal plate, then slide axle shaft into axle housing. Fasten and tighten all retaining bolts to factory specs and allow silicone to dry for 1 hour.
- Step 10:** reassemble brakes to backing plate.

Axle Type	Model	Orig. Length (2pcs axle)	Length (1pcs axle)	One-piece kit#
Narrow track	76-83 CJ5 76-81 CJ7	26.25" - 29.25"	23.25" - 26.25"	7071K
Wide track	82-86 CJ7 All CJ8's	28.50" - 31.50"	25.44" - 28.44"	8586K
Quadra track	76-79 CJ7	22.00" - 33.50"	19.00" - 30.44"	7981K

