

ULTRA ROD[®]

Service Instructions



The Ultra Rod™ replaces the former Hendrickson two piece torque rod product.

To ensure proper measurement for torque rod replacement, check for the following:

- If torque rod being replaced is an Ultra Rod, measure center of end hub to center of end hub of the old torque rod. Make the new torque rod the same length.
- If old torque rod is not an Ultra Rod, it is important to verify how the torque rod is mounted and then measure as shown in **Figures A, B, and C**.

TAPER PIN TO STRADDLE PIN MOUNT

Measure center to center of old torque rod and add $\frac{1}{16}$ " to make new torque rod.

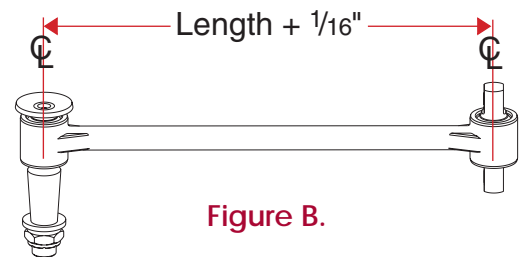


Figure B.

OUTSIDE MOUNT

Measure center to center of old torque rod. Make the new torque rod the same length.

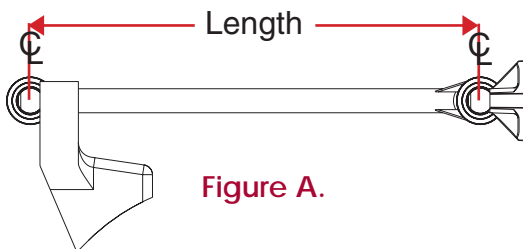


Figure A.

INSIDE TO INSIDE MOUNT

Measure from the center of old torque rod and add $\frac{1}{8}$ " to make new torque rod.

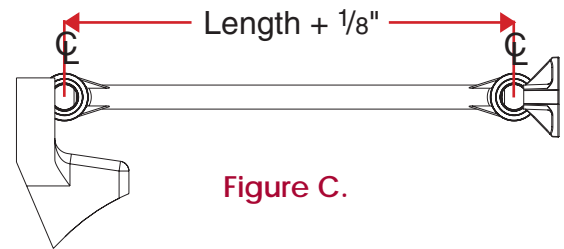


Figure C.

For The Road Ahead

HENDRICKSON

BUSHING REPLACEMENT INSTRUCTIONS



Hendrickson Ultra Rod bonded bushings are easier and faster to rebush—with no special tools required.

You will need:

- A vertical press with a capacity of at least 10 tons.
- A receiving tool (5" long, 2" inner diameter by 1/4" wall steel tubing)

DO NOT USE HEAT OR A CUTTING TORCH TO REMOVE THE BUSHINGS FROM THE TORQUE ROD. THE USE OF HEAT WILL ADVERSELY AFFECT THE STRENGTH OF THE TORQUE ROD.



1 Support and center torque rod end hub on receiving tool. Push directly on bushing straddle mount bar pin until bushing clears torque rod end hub.



2 Clean and inspect inner diameter of torque rod ends, removing any nicks with emery cloth or a rotary sander.



3 Lubricate inner diameter of torque rod ends and new rubber bushings with a vegetable base oil (cooking oil). **DO NOT** use a petroleum or soap base lubricant.



4 Support and center torque rod end hub on receiving tool. The straddle mount bar pin bushings must have mounting flats positioned at the same angle as the removed bushing to facilitate installation.



5 Press directly on straddle mount bar pin of bushing. Overshoot desired final position by approximately 3/16".



6 Press bushing again from opposite side to center bar pin within torque rod end hub.

 **HENDRICKSON**
Genuine Parts