

TORQUE ARM SLIDER SETUP

Note: This setup guide is for BRP 417, BRP 417S and BRP 418.
For BRP 9104 please call the tech department @ 905-685-4291
or e-mail tech@bicknellracingproducts.com

1- First, ensure the slider heim (BRP 425) is the proper length. It should measure 2 1/4" from the center of the heim to the end of the threads (as seen in image1). This is very critical as this determines the pinion angle. If the heim was purchased from Bicknell Racing Products, (BRP 425) it will already be cut to the proper length.



image 1

2- Next, be sure the torque arm rubbers are the correct length. For dry, slick tracks the torque arm rubbers can be cut down to as much as 1 1/8" high. For heavier tracks, it is better to leave rubbers at their shipped length. Be sure the rubbers are cut no less than 1 1/8" as they will have no compression if they are cut too short. (see image 2)



image 2

BRP 427-1: black 1 3/8" long	=70 durometer
BRP 427-2: red 1 3/8" long	=50 durometer
BRP 427-5: blue 1 3/8" long	=60 durometer
BRP 427-6: blue 1 1/8" long	=60 durometer

3- Prior to installation, ensure the slider rods (BRP 421 for standard floors and BRP 9115 for rubber floors) will slide into the chassis with ease. If they do not go in easy, clean them out with a drill or die grinder.

4- Install the rods and the safety collars and the slider plate (BRP 417, 417S or 418). Make sure the slider plate travels the entire length of the slider. Make sure the grease fittings point towards the bottom on BRP 417 & 418, the 417S is marked "top".

5- Next install the heim. Be sure the steel sleeve goes in the center of the rubbers. The steel washers should go on the top and bottom of the rubbers (see image 3). Also ensure the bolt tightens all the way up. Red Loctite can be also be used.



image 3

TORQUE ARM PART NUMBERS:

- BRP 426: 0° STD quick change
- BRP 432: -3° STD quick change
- BRP 430: 0° NON quick change
- BRP 433: 0° V8 quick change
- BRP 439: -3° V8 quick change
- BRP 9295: -3° quick change for engine back cars

Note: Rubber floor cars must use 2 BRP 9115 slider rods and BRP 417 or BRP 417S sliders. It also requires 4 BRP 181-1A lock collars.

Measuring Torque Arms

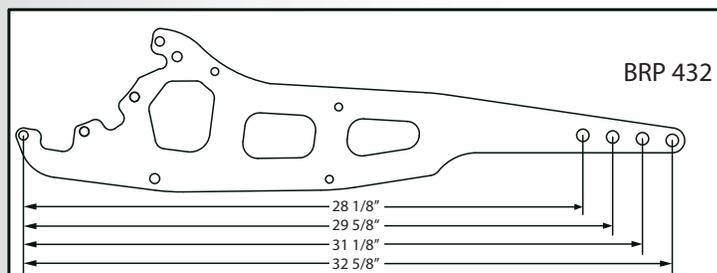


image 4