BIRDCAGE TIMING

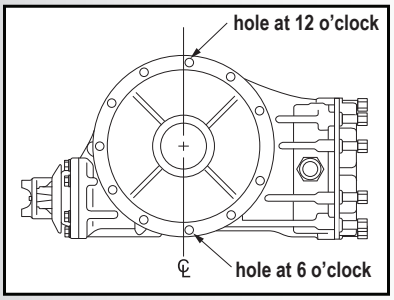

image 1


image 2

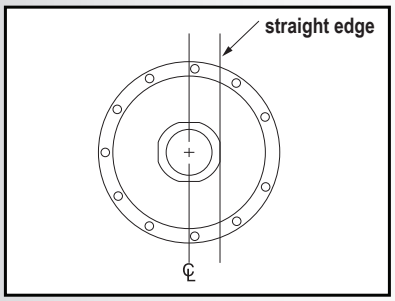

image 3

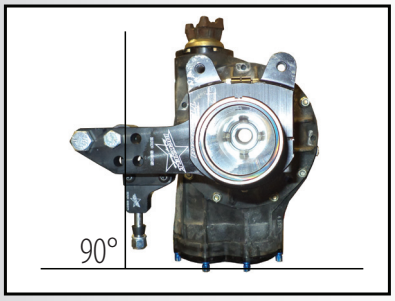

image 4

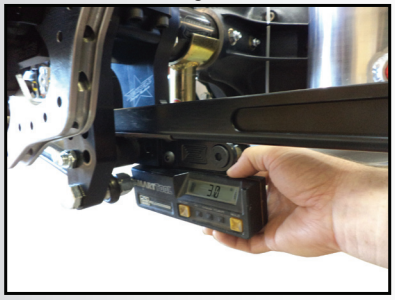
image 5

QUAD LOCK BIRDCAGE TIMING OPTION B

Birdcage timing option B- 3° behind rear end center line with -3° torque arms (birdcage timing 0° in relation to rear end cover)
This option makes the rear end load more because the roller is behind rear end center line which will pre-lolad the torque arm.
This option will make the car tighter on corner entry, and tighter on acceleration.
This option is better suited to high horsepower applications and race tracks that are typically dry.

NOTE: For option B you must use BRP 9310 adjustable birdcages.

Step 1- Installing the tube in the rear end bell-

The tube is designed to be installed in the bell at 0°. So the flats on the tube need to be parallel with the mounting holes in the bell that are located at 12 o'clock and 6 o'clock (see image 1). The easiest way to acheive this is to put a piece of angle iron on the rear flat of the tube(see image 2). As the tube is installed, you can look down the angle iron and align it to the holes on the bell (see figure 3).

Step 2- Installing the birdcage-

Install the adjustable birdcages on the rear end tubes as normal. If the rear end is NOT installed in the race car, then rotate the rear end so it is on the back cover. Install the proper pills in the BRP 9310 birdcages so the bottom of the birdcage is 90° to the rear end center line (see image 4). If the tube is installed correctly, then the 5° pills should be installed in the birdcages.

As a reference, if you set the rear cover of the rear end on the ground to measure birdcage timing, the birdcages will actually be at 0°.

If the rear end IS installed in the race car, set the rear end on the set-up blocks. Make sure the chassis is level. Install the proper pills in the birdcage so the birdcage measures -3° (see page 29). The birdcages should be -3° behind the rear end center line (see image 5).