

BIRDCAGE TIMING CONTINUED

SMART TUBE REAR END



image 5

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

When installing a smart tube into the bell, the tube does not need to be timed. All the timing is done on the birdcage, so the tube can be installed in any position.

Step 2- Installing the birdcage-

2A- To time the birdcages on a smart tube rear end, the rear radius rods and rear panhard bar should all be installed.

2B- Place rear end on setup stands.

2C- If you are using the brake brackets that came with the birdcages, install hubs and calipers. This will align the birdcages left to right. If using bolt on brake brackets, install hubs and calipers after birdcages have been timed.

2D- Square the rear end left to right off the torque arms.

2E- Ensure the torsion arms are centered in the birdcages.

2F- MAKE SURE CHASSIS IS LEVEL AT THIS POINT.

2G- Put the angle finder on the top of the birdcage (see image5) and set birdcage timing. See page 26-27 for birdcage timing options. (Option A: +2° forward, Option B: -3° backward)

2H- Drill and tap the birdcage into the tube, and tighten pinch bolt.

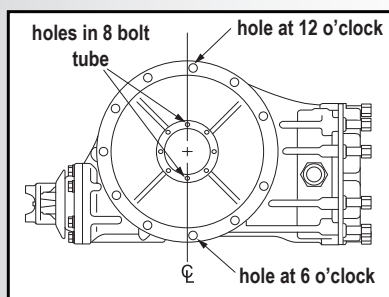


image 6

8 BOLT REAR END

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

The tube is designed to be installed in the bell at 0°. The holes in the end of the tube need to line up with the mounting holes at 12 o'clock and 6 o'clock in the bell (see image 6). The rear end tube sets the birdcage timing, so if the tube is installed correctly then the birdcage timing will also be correct.

Step 2- Installing the birdcage-

2A- Install birdcages and spindles as per normal.

2B- MAKE SURE CHASSIS IS LEVEL.

2C- Place setup blocks under rear end tubes.

2D- Place the angle finder at the bottom of the shock mount and check the birdcage timing. The birdcage/tube timing should be approx. 2.75°. If the birdcage timing is incorrect, a blank cup (PT # 4308B) will need to be purchased and re-drilled to obtain the proper timing.



image 7

Please e-mail the tech department if you have any questions regarding birdcage timing.
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