



Crate Innovations Sprint Car Drive Hub installation

****Special Note****

Will not clear mini sprint torque ball.
Must be Winters part #4064 or equivalent.

Install Hub to crank with 7/16 X 20 by 1-inch-long socket head bolts (supplied).
Install with NO washers, and torque to 65 ft./lbs. with 1 **drop** of red Loctite.
Tighten evenly and cross pattern.

Install Companion Flange to hub with the 3/8 X 16 special bolts (supplied).
SUPPLIED washers MUST be used. It will bottom out without a washer.
Torque to 45 to 50 ft./lbs. with 1 **drop** of blue Loctite.
Tighten evenly and cross pattern.

Check for proper spline engagement.
Check for proper driveshaft end play. Install supplied bounce spring in slip yoke.

Be VERY sure that you have end play.

It is common to have to shorten a traditional sprint car driveshaft when using the
Crate counterbalance hub, as it moves everything back 1 inch.
Terminal engine damage **will occur** without proper driveshaft endplay!

The U-joint has been greased initially with a high-quality synthetic grease.
Weekly maintenance of the U-joint is imperative to prevent failures.
Weekly inspection of the entire unit is **highly recommended**.

For any questions, please contact Brad at:
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