



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. A bounce spring may be added.

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:
(330) 540-7223