

September 24, 2009
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Tech Tip #31

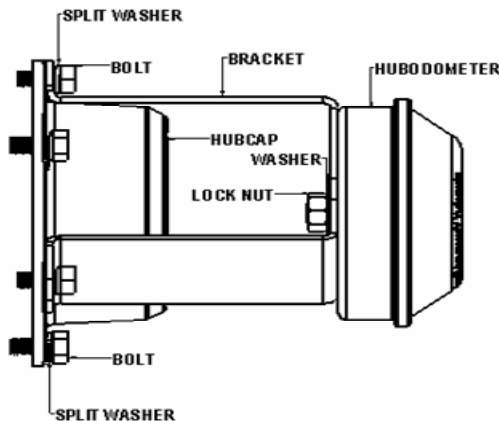
STEMCO Hubodometer and Bracket Installation Instructions

NOTE: LUBRICANT MAY NEED TO BE ADDED PRIOR TO BRACKET INSTALLATION.

1. Install hubcap with proper gaskets and installation methods provided by hubcap manufacturer.
2. Split washers are recommended to lock the flange bolts in place.
3. Fill to proper lubricant level.
4. Mount Hubodometer® to face of bracket.
5. Use washer under the locknut.
6. Use 15-ft lbs. of torque to tighten locknut. DO NOT USE AIR IMPACT WRENCH. DO NOT EXCEED 15-ft. lbs. OF TORQUE.
7. If necessary, use strap wrench to hold Hubodometer® while tightening.
8. DO NOT USE PAINTS, SOLVENTS OR THINNERS ON THE HUBODOMETER® FACE, GRILAMID HUB CAP OR HUBODOMETER® HUB CAP WINDOW.
9. Remove necessary bolts for bracket installation. SOME LUBRICANT MAY DRAIN. REFILL AS NECESSARY.
10. Mount bracket and Hubodometer® assembly.
11. Split washers are recommended to lock the bracket bolts in place.
12. Torque bolts to the recommended Hubcap Torque specifications, see figure below for STEMCO hubcap bolt torque specifications.

The recommended torque for the 3/8" pipe plug for aluminum hub caps is 9 ft.-lbs. A suitable sealant may be used on the pipe plug threads if desired. On Grilamid hub caps with plastic fill plug and o-ring, tighten to torque not to exceed 10 ft.-lbs.

See Figure for Assembly example.



Hub Cap Mounting Bolts					
Bolt Size	Bolt Torque	Bolt Length *	Bolt Size	Bolt Torque	Bolt Length *
3/16	8-10 ft-lbs	1 in	1/2	20-24 ft-lbs	1 1/2 in
1/4	8-12 ft-lbs	1 in	3/4	24-28 ft-lbs	1 3/4 in
5/16	12-16 ft-lbs	1 1/4 in	7/8	26-30 ft-lbs	2 in
3/8	16-20 ft-lbs	1 1/4 in	6 MM	8-12 ft-lbs	25 MM
7/16	18-22 ft-lbs	1 1/4 in	8.5 MM	12-16 ft-lbs	30 MM

* Minimum recommended length of bolt.