

Date: March 10, 2011

Dear HydraMaster Equipment Owner,

Included in this mailing is important information concerning your HydraMaster equipment. HydraMaster will at times correspond with you directly about important safety, reliability, or performance issues. Please take the time to read the correspondence carefully and take the necessary actions.

If you own more than one piece of HydraMaster equipment, multiple copies of the Product Support Bulletin (PSB) may be included along with a list of the serial numbers that this PSB applies to. After considering the content of the PSB, insert it into you equipment owner manual for future reference.

If you have any questions concerning this correspondence please contact your HydraMaster Customer Service Representative at the number listed below or visit our website at <u>www.hydramaster.com</u>.

Thank you for choosing HydraMaster as your source for professional cleaning products



Product Support Bulletin

To:	CTS 450 Owners		
Document #:	PSB-44321	Effective Date:	Feb 28, 2011
Title:	CTS Bell Housing Modification		

The following modifications are recommended to facilitate the inspection of the coupler on your CTS 450 machine. Please refer to **PSB 44274** for instructions regarding inspection of the coupler.

Bell Housing Inspection Hole Modification

Preparations required:

- The bell housing will need to be removed from the engine to prevent potential damage to the coupler.
- Metal shavings will also need to be removed from inside the bell housing after the hole is drilled.



Tools required:

- Hole saw (see hole diameter recommendations below)
- Drill
- Grinder suitable for aluminum. (Used to bevel hole edges)
- Safety glasses
- Vacuum cleaner for metal shavings

Hole Diameter:

- ¹/₂" to 2" hole permitted. <u>1 ¹/₂" hole recommended.</u>
- Be sure that the hole plug you select matches this hole diameter.

Parts Needed:

- Hole plug.
 - Recommended: <u>McMaster Carr P/N 5117T23</u> (for 1 ¹/₂" hole)



• Suitable Alternative: <u>McMaster Carr P/N 9277K31</u> (For 1 ¹/₂" hole)





Hole Location:

1. Draw a line roughly 3" from Corner A shown below. $(\pm 1/2")$







2. Scribe a line 3/4" away from the engine mating surface that intersects with the hole centerline.





3. Position the center of the hole saw on the hole centerline, and the outer edge on the intersection of the two lines. The result is a hole that is positioned at least 1 1/2" away from the engine mating face. Drill the hole all the way through.





4. Bevel the edges of the hole using a grinder suitable for aluminum. Recommended bevel size: 1/8" to 1/4".





- 5. Clean out any metal shavings inside the bellhousing.
- 6. Test fit the plug in the hole, and ensure there is no interference with the coupler. An airtight seal is *NOT* required.