



TECH ADVISORY

sonnax
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TORQUE CONVERTER

MARCH 2009

Modifications needed to use **AL-CC-1** and **AL-CC-2** on late Allison 1000/2000/2400 torque converters

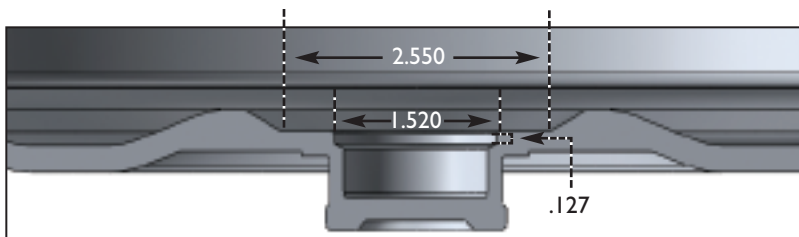
Sonnax designed the **AL-CC-1** and **AL-CC-2** front covers for use in early model Allison 1000/2000/2400 converters. With some minor modifications these front covers can also be adapted for use in Allison 1000/2000/2400, 2006-up torque converters. The 2006-up units can be identified by "U" shaped mounting pads and the LUK stamp on the back of the cover.

The impeller in the 2006-up converter has a smaller outside diameter than the earlier unit. With a larger gap between this impeller and the outer diameter of the Sonnax front cover, there is the potential for weld spatter to enter the converter. To minimize the gap, Sonnax recommends building up the outer diameter of the impeller with weld bead and then turning the diameter to 12.975"/12.985".

In 2006-up converters, the OEM plastic pilots on the cover bore as does **AL-WF-1**, the more durable Sonnax fiber thrust washer which is less susceptible to breakage. However, the bore diameter of the **AL-CC-1** and **AL-CC-2** front covers is too small for the pilot lip of either washer to fit into. Thus, the cover bore diameter will need to be enlarged to 1.561" at a depth of .170". Increasing the diameter of the cover surface where the washer face rides to 2.670" will better support the washer.

With these modifications, the popular **AL-CC-1** and **AL-CC-2** billet front covers can be used in the 2006-up converters, providing rebuilders the same enhanced features they've come to rely on for the earlier Allison 1000/2000/2400 units.

Before



After

