

## **Technical Service Information**

## MAZDA GF4A-EL FRONT SEAL BLOWOUT OR CHRONIC LEAKER

**COMPLAINT:** Continuous front seal leak or front seal forced out onto the converter hub repeatedly.

CAUSE: The cause may be, insufficient drainback passages in the pump support, or worn or

misplaced bushing in the torque converter.

**CORRECTION** Remove the pump support and bearing race. With drill or die grinder, enlarge and deepen the

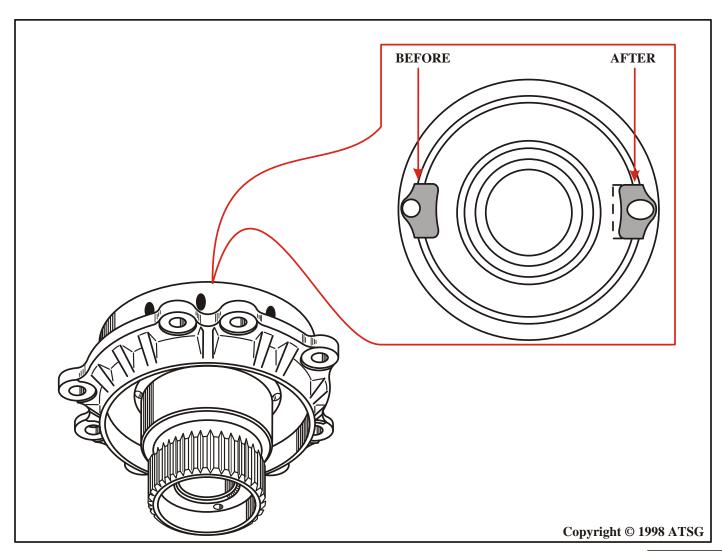
**NUMBER 1:** factory drainback passage in the "Rear" of the pump support, as shown in Figure 1. Notice

that the drainback hole and the passage to the "Dotted Line" are both enlarged.

**CORRECTION** Measure dimension "A" as shown in Figure 2, and measure dimension "C" as shown in **NUMBER 2:** Figure 3. Subtract "C" from "A", and *ensure* the difference is .003"-.006". Also check the

Figure 3. Subtract "C" from "A", and *ensure* the difference is .003"-.006". Also check the distance between the bushing and the top of the converter hub, shown as dimension "B" in

figure 2. This distance should be .078" to .125", adjust as necessary.





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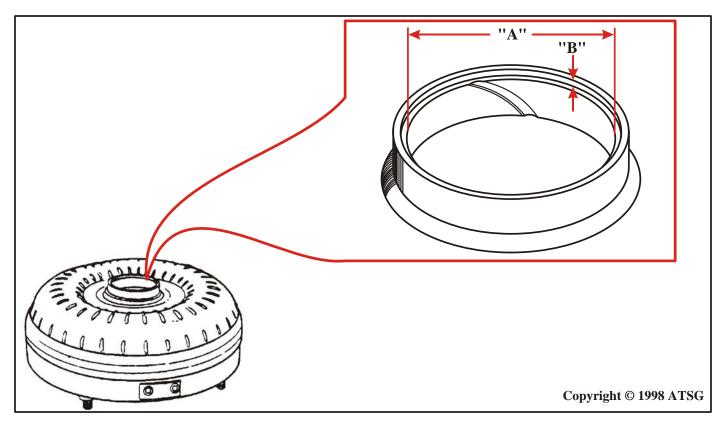


Figure 2

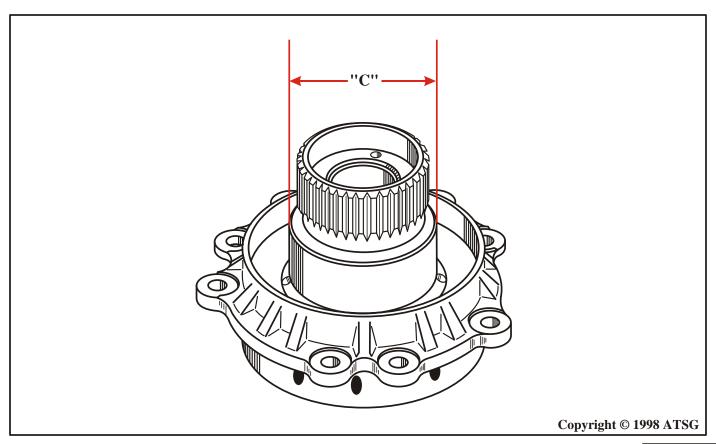


Figure 3
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