



# Technical Service Information

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## HONDA 4 AND 5 SPEED TRANSMISSIONS

### WHINES IN NEUTRAL

**COMPLAINT:** A 2007 CRV using the MZHA transmission came in to Pat Barrett Transmission Inc. in Westwood New Jersey with a whining noise in neutral which goes away when its placed into gear. In some cases a cracked pipe inside the transmission can cause such a noise yet when the transmission was disassembled, no cracked pipes or other obvious reasons were discovered.

**CAUSE:** Assisting in the support of the mainshaft is a bearing that is pressed into the aluminum rear cover (figure 1). A combination of load and vibration causes the bearing pocket to wear in the cover. This compromises the manishaft's centerline affecting gear mesh producing a frequency described as a whine.

With the bearing being pressed into the cover, it should not come out or fall out easily (figure 2). In time, the wear can become so excessive it will cause severe damage to the transmission. But when its in the early stages of wear, it produces the whine. The tip here is that the bearing should not come out of the cover easily. *Keep in mind that many 4 and 5 speed transmissions from 2001 to 2007 in other Honda vehicles may be affected in the same way.*

**CORRECTION:** Replace the cover and bearing.



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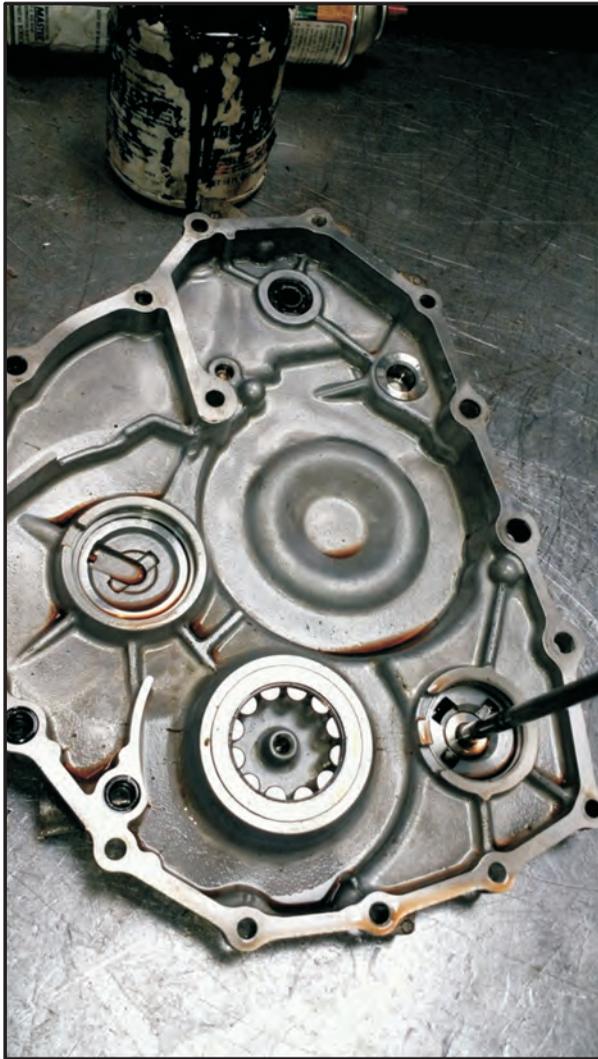


Figure 1

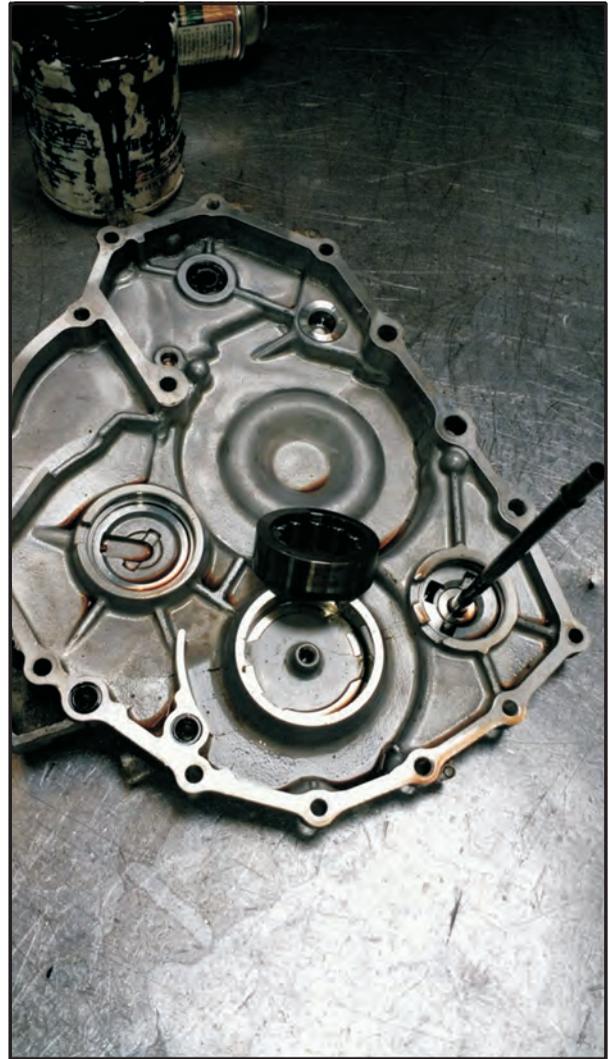


Figure 2