



## **HONDA/ACURA MGHA FAMILY COUNTER SHAFT SPEED SENSOR BREAKAGE**

**COMPLAINT:** During the overhaul process, it may be noticed that many or most HONDA/ACURA vehicles with the 5 speed automatic transaxle (MGHA) Family come across the rebuild bench with a cracked or broken Counter Shaft Speed Sensor.

**CAUSE:** The cracked or broken Output Shaft (Counter Shaft) Speed Sensor is normally damaged during removal of the transmission from the vehicle for repair. The reason this occurs is because there is very little clearance between the body of the speed sensor and the speed sensor retaining bolt. The lack of clearance makes it very easy and likely to break the speed sensor by making contact with the body of the sensor with the extension and or socket used to remove the sensor retaining bolt.

**CORRECTION:** It has been found that using a Snap-On® shallow 3/8 inch drive Flank Drive® universal socket allows enough clearance for safe removal from the transmission. The universal swivel base allows the technician enough clearance to keep from cracking/breaking the sensor and also provides enough leverage to allow for easy loosening of the retaining bolt. Refer to the diagram in Figure 1 for the location of the Output Shaft (Counter Shaft) Speed Sensor.

### **SERVICE INFORMATION:**

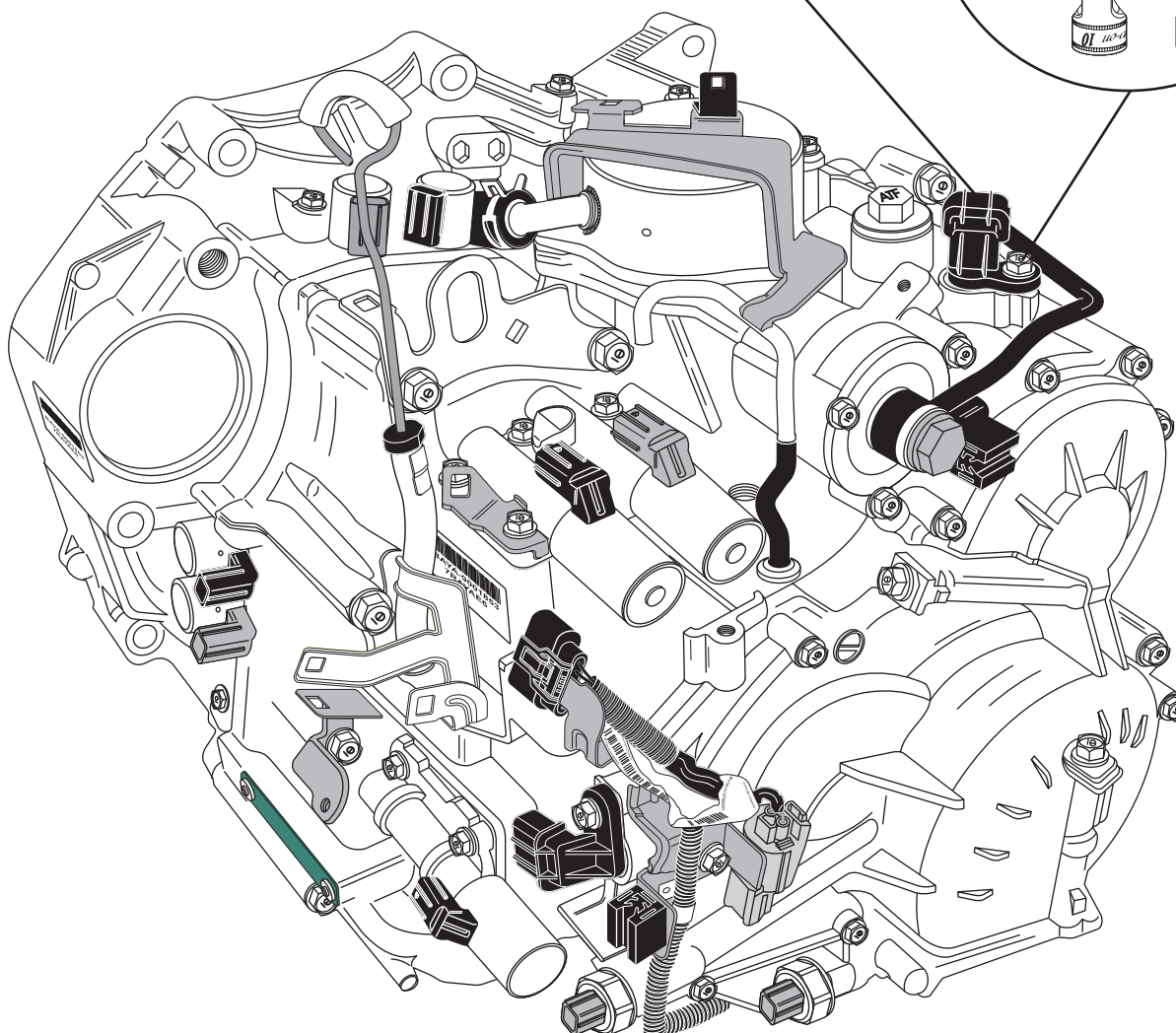
Snap-On ® 3/8 Drive, Flank Drive® Universal Socket 10mm (6 point).....P/NFSUM10A

Snap-On ® 3/8 Drive, Flank Drive® Universal Socket 10mm (12 point).....P/NFUM10A

## HONDA/ACURA MGHA FAMILY OUTPUT SHAFT (COUNTER SHAFT) SPEED SENSOR LOCATION

*Output Shaft (Counter Shaft)  
Speed Sensor*

Use the universal swivel  
socket to safely and effectively  
remove the speed sensor  
retaining bolt



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Figure 1