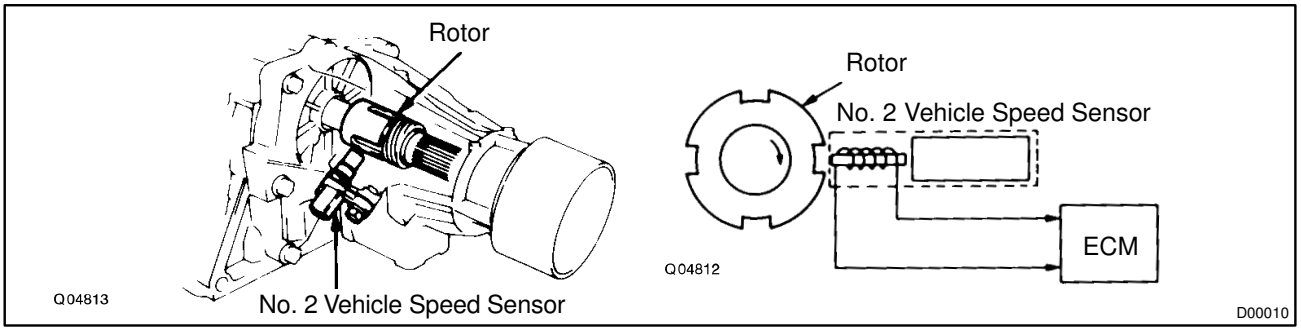
DI0SZ-27

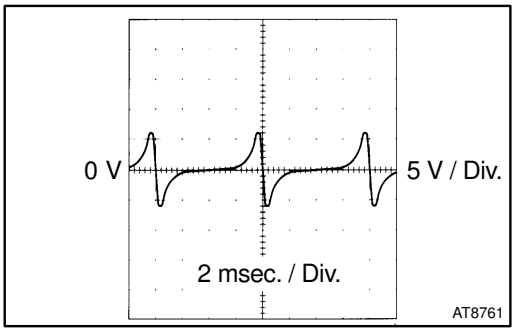
DTC	P1700	Speed Sensor No. 2 Malfunction

CIRCUIT DESCRIPTION

The No. 2 vehicle speed sensor detects the rotation speed of the transmission output shaft and sends signals to the ECM. The ECM determines the vehicle speed based on these signals.
An AC voltage is generated in the No. 2 vehicle speed sensor coil as the rotor mounted on the output shaft rotates, and this voltage is sent to the ECM.
The gear shift point and lock-up timing are controlled by the ECM based on the signals from this vehicle speed sensor and the throttle position sensor signal.
If the No. 2 vehicle speed sensor malfunctions, the ECM uses input signals from the No. 1 vehicle speed sensor as a back-up signal.



DTC No.	DTC Detecting Condition	Trouble Area
P1700	All conditions below are detected 500 times or more continuously (2 - trip detection logic). 1. No signal from No. 2 vehicle speed sensor is input to ECM while 4 pulses of No. 1 vehicle speed sensor signal are sent. 2. Vehicle speed: 9 km/h (5.6 mph) or more for at least 4 seconds. 3. Park/neutral position switch: OFF (Other than P or N) 4. Transfer position: Other than N position (A340F only)	• Open or short in No. 2 vehicle speed sensor circuit • No. 2 vehicle speed sensor • ECM



HINT:
Wave from between terminals $SP2^+$ and $SP2^-$ when vehicle speed is approx. 60 km/h (37 mph).