

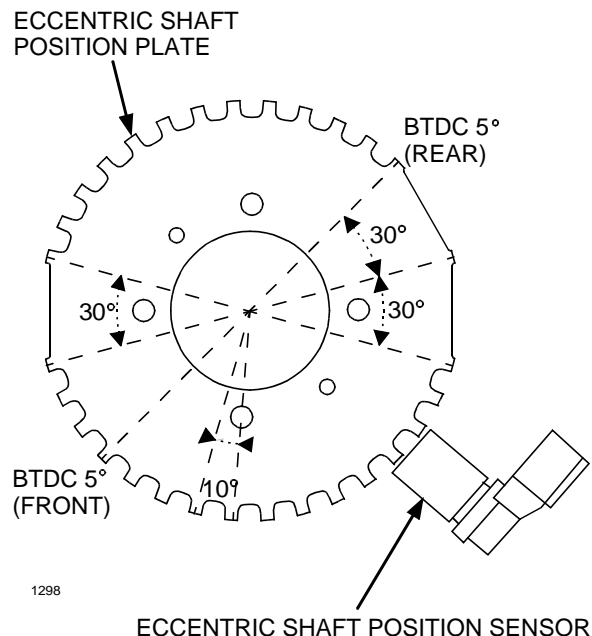
<b>Subject:</b> CLEARING ECCENTRIC SHAFT PLATE PROFILE MEMORY FROM PCM - SERVICE TIP	<b>Bulletin No:</b> 01-007/04
	<b>Last Issued:</b> 2/9/2004

## APPLICABLE MODEL(S)/VINS

2004 RX-8

## DESCRIPTION

The RX8 is equipped with a unique system that memorizes the tooth pattern or “profile” of the eccentric shaft position plate. The eccentric shaft plate profile is stored in an area of the PCM with non-volatile RAM (NV RAM) which cannot be cleared by disconnecting the vehicle’s battery, or clearing keep alive memory (KAM). If the eccentric shaft plate profile is not cleared after certain repairs, MIL illumination and misfire DTCs may occur.



Refer to the special procedure to clear the NV RAM after performing repairs with the following conditions:

- Removal / replacement of the eccentric shaft position sensor from the engine.
- Removal / replacement of the front pulley / eccentric shaft position plate from the engine.
- Removal / replacement of the engine.
- Replacement of the PCM.
- Performing repairs for engine misfire DTCs- P0300, P0301 and P0302.

## **REPAIR PROCEDURE**

1. Turn ignition switch to "ON" position, but do not start engine.
2. Depress and release brake pedal at least twenty times within an 8 second period.

**NOTE:** Manual transmission equipped vehicles produced after VIN 40132647 and automatic transmission equipped vehicles produced after VIN 40132607 or vehicles with PCM updated to "L" calibration can confirm the clearing procedure was performed. If procedure was successful, the oil pressure indicator needle will sweep from low to half, and then back to low. Vehicles produced prior to these VIN's or vehicles without "L" calibration do not have an indicator to confirm the clearing procedure was performed.

3. Drive vehicle and confirm misfire related DTCs are not stored.