

Enginetech Inc
Tech Assistance 800-410-3664 ext. 340 or 237

TECHNICAL BULLETIN	
	January 2001 TB 1858
Mfg:	CHRYSLER
Model:	DURANGO
Liter:	4.7L
V I N:	P
Year:	99-09

Low Engine Performance On
2000 Chrysler 4.7L VIN N Engines

The AERA Technical Committee offers the following information regarding low engine performance on 2000 Chrysler 4.7L Vin N engines. Customers may complain of a lower than expected engine performance. The loss or intermittent loss of the camshaft position sensor (CMP) signal could cause this.

The loss of the CMP signal may be the result of the CMP coming in contact with the tone wheel. If this occurs, the internal electronic circuitry of the CMP may become damaged. When this happens, there is a chance that the Malfunction Indicator Lamp (MIL) may become illuminated.

Most of these engines were inspected and repaired at the manufacturing facility. Some engines may need to be repaired. If the engine is in need of repair, there is a select fit shim that needs to be installed between the CMP and the cylinder head pad, around the CMP sensor attaching bolt as shown in Figure 1. The shims come in four different thickness depending on the amount of air gap that needs to be shimmed. The four sizes are .010", .020", .031" and .047".

The shim may also have been glued in place to either the cylinder head or the mounting tang on the camshaft position sensor. If a technician is making repairs, they may overlook or lose the previously installed shim. This may cause the camshaft position sensor to contact the tone wheel when the CMP sensor is reinstalled or replaced.

Part Number	Part Description	Qty
05019089AA	Kit, CMP sensor shim (.010", .020", .031", .047")	1
53020878	Gasket Engine Cylinder Head Cover Right Side	1

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Reference:	
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56028133AD

Sensor, Camshaft

1

The AERA Technical Committee

Bulletin Diagram: FIGURE 1, CAM POSITION SENSOR LOCATION - OTHER

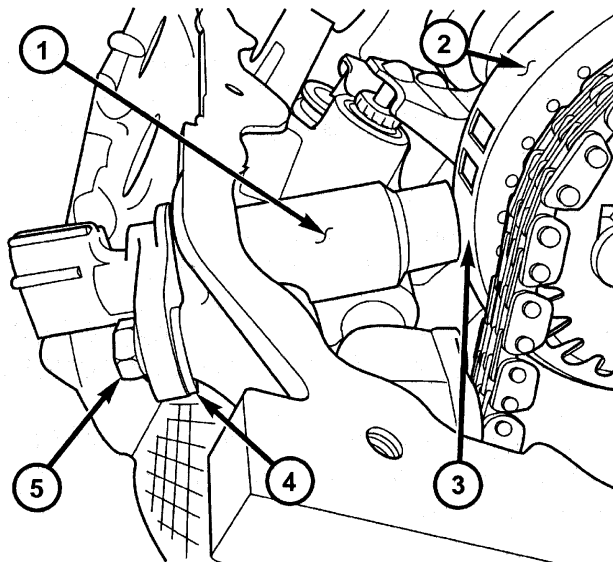


FIGURE 1

- 1 - Cam Position Sensor (CMP)
- 2 - Tone Wheel
- 3 - Air gap (.030 in. +/- .010 in.)
- 4 - Select fit shim used to adjust air gap
- 5 - CMP sensor mounting bolt

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