

Service Information

Mazda Motor Corporation

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Category F	Technical	Ref. No. E015/13	Page 1 of 1
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued July 19, 2013	
Please convey this information to your <input type="checkbox"/> Director <input checked="" type="checkbox"/> General Manager <input checked="" type="checkbox"/> Warranty Dept. <input checked="" type="checkbox"/> Parts Dept. <input checked="" type="checkbox"/> Training Dept. <input checked="" type="checkbox"/> Field Rep.		Date Revised	
Applicable Model Mazda6(GJ), CX-5(KE) / with SKYACTIV-D 2.2		Applicable Countries or Specifications Europe	

Subject: Idle speed increase to around 1,800 rpm and unusual engine noise after starting a cold engine

DESCRIPTION

Some customer may complain about idle speed increase to around 1,800rpm along with an unusual engine noise for about 20 seconds after starting the cold engine.

CAUSE

After a cold start, the regulating valve and the wastegate valve are fully open to enable the exhaust gas to flow through the turbochargers without losing much exhaust gas heating capacity. Also the VVL mechanism slightly opens one exhaust valve per cylinder during intake stroke in order to recirculate a certain amount of high temperature exhaust gas back to the cylinder.

This is for early activation of catalytic converter and improved exhaust gas purification. This does not indicate defect of the parts.

<Operating Requirement>

1. Water temperature (ECT) at engine starting: from 15 to 32 degrees Celsius.
Intake air temperature (IAT) at engine start: from 15 to 35 degrees Celsius.
Barometric pressure at (BARO) at engine start: from: 91 to 200 kPa.
2. Gear position: P, N, D with the engine idling (Accelerator pedal not depressed)

Note:

<Owner's Manual>

This concern is mentioned in the O/M "When Driving Start/Stop Engine" as follows:.

After starting a cold engine, the engine speed increases and a whining sound from the engine compartment can be heard.

This is for improved exhaust gas purification and does not indicate defect of the parts.

Ryu Shimizugawa
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