



TECH BULLETIN

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Bulletin: **NS014_15** Issued: **20/03/2015** Revised: **17/06/2015** Page: 1 of 4

Title: **Rough Idle At Cold Start - SSP**

Model(s): **CX-5 (KE), Mazda6 (GJ), Mazda3 (BM)
with SH Diesel Engine**

Category: **Engine**

Technician Initials: _____

Attention Dealer Staff:

If any vehicle covered by this Campaign is presented at your dealership for any reason, the following procedure must be completed.

Vehicles covered by this SSP, may also have an Oil Filter Upgrade SSP outstanding (Tech Bulletin NS015_15), if applicable this SSP must also be completed.

DESCRIPTION

A Special Service Program (SSP) is to be carried out on 15,653 CX-5 (KE), 3,267 Mazda6 (GJ) and 401 Mazda3 (BM) vehicles fitted with the SH Diesel engine to reprogram the Powertrain Control Module (PCM)

The reprogram is necessary, as some customers may have a concern regarding an intermittent idle speed fluctuation, when the engine is idling (not in gear), after a cold start at ambient temperatures between 15°C and 35°C.

Under the above operating conditions, the IDEVA (Intake Stroke EGR using Double Exhaust Valve Actuation System) slightly opens one exhaust valve per cylinder during the intake stroke, to recirculate a certain amount of high temperature exhaust gas back into the cylinder. This may cause a deposit to build up on the exhaust valve stem. When the IDEVA is activated, the deposit may prevent the exhaust valve from fully closing, causing incomplete combustion and an idle speed fluctuation.

CAUSAL FACTOR

Improper control logic of the PCM.

SUBJECT VIN AND PRODUCTION DATE RANGE

**Both Items below
have been amended**

Model		From	To
CX-5 (KE)	VIN Range	JM0 KE1021 00 101037	JM0 KE1022 00 300077
	Date range	26 th January, 2012	8 th December, 2014
Mazda6 (GJ)	VIN Range	JM0 GJ1021 00 100010	JM0 GJ1022 00 201435
	Date range	25 th October, 2012	26 th December, 2014
Mazda3 (BM)	VIN Range	JM0 BM542* 10 138932	JM0 BM542* 10 164911
	Date range	8 th July, 2014	26 th November, 2014