

# Service Information

Mazda Motor Corporation

3-1, Shinchi, Fuchu-cho, Aki-gun  
Hiroshima 730-8670, Japan  
TEL : 81(82)287-5323  
FAX : 81(82)287-5220



Category <b>F</b>	<b>Repair Guidance</b>	Ref. No. R108/13	Page 1 of 1
Coverage <input type="checkbox"/> Distributor only <input checked="" type="checkbox"/> Please inform your dealers		Date Issued December 13, 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 CX-5(KE), Mazda6(GJ) and Mazda3(BM) with SKYACTIV-D 2.2		Applicable Countries or Specifications Europe, ADR	

## Subject: Rough Idle of New Vehicle in Dealer Inventory

### DESCRIPTION

Some new vehicles in dealer inventory may exhibit a rough idle.

### CAUSE

If the engine is repeatedly started and stopped within a short period of time at low ambient temperatures, the exhaust gas temperature stays low, generating condensed water in the Diesel Particulate Filter (DPF). If the condensed water adheres to the inner surface of the DPF, it will increase the exhaust gas differential pressure measured before and after the DPF. Under this condition, the rough idle may occur.

Note: Once the first DPF regeneration has been performed, soot adheres to the inner surface of DPF. Under this condition, rough idle does not occur because the soot has water repellent properties.

### MASS PRODUCTION CHANGE

Not applicable

### REPAIR PROCEDURE

1. Verify the concern.
2. Check PID (EXPRESS\_DIF) using datalogger function of M-MDS.
  - If the value of PID (EXPRESS\_DIF) is more than 30 kPa, perform compulsory DPF regeneration according to the workshop manual "COMPULSORY DIESEL PARTICULATE FILTER REGENERATION".
  - If the value of PID (EXPRESS\_DIF) is less than 30 kPa, troubleshoot the concern according to the workshop manual.

### WARRANTY INFORMATION

Assembly group	F – Fuel and Emission Control
Subassembly group	08 - EMISSION CONTROLS
Symptom Code	03
Damage Code	93
Causal Part No.	7777-SP-J32
Q'ty	0
Operation No.	XXK1MXRX
Labor Hours	0.4 Hrs.
Period Covered	Normal Warranty Period

Ryu Shimizugawa  
Manager, Technical Information Gr.  
Technical Service Dept.  
Mazda Motor Corporation  
1D31851222(MC Internal Use)