

# Technical Service Bulletin

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|                                                                                                                                      |                                |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| <b>Subject:</b><br><br><b>MULTI-MODEL - ENGINE RUNS ROUGH AND CHECK ENGINE LIGHT ON WITH DTCS P0201 AND P0204 OR P0202 AND P0203</b> | <b>Bulletin No.:</b> 01-004/17 |
|                                                                                                                                      | <b>Last Issued:</b> 02/21/2017 |

## BULLETIN NOTES

This bulletin supersedes the previously issued bulletin(s) listed below: The changes are noted in Red.

| Previously issued TSBs: | Date issued |
|-------------------------|-------------|
| 01-017/16               | 08/26/2016  |

## DESCRIPTION

### APPLICABLE MODEL(S)/VINS

2013-16 CX-5 vehicles (Japan built) with VINs lower than JM3KE\*\*\*\*\*820183 (produced before May 23, 2016)

2014-16 Mazda3 vehicles (Japan built) with VINs lower than JM1BM\*\*\*\*\*352403 (produced before May 23, 2016)

2014-16 Mazda6 vehicles (Japan built) with VINs lower than JM1GJ\*\*\*\*\*484154 (produced before May 23, 2016)

## DESCRIPTION

Some vehicles may experience an engine that runs rough and the check engine light on with DTCs P0201 and P0204 or P0202 and P0203.

**NOTE:** Engine misfire related DTCs (P0301, P0302, P0303, P0304) are usually stored at the same time.

P0201:00 : Fuel injector circuit/open cylinder No.1

P0202:00 : Fuel injector circuit/open cylinder No.2

P0203:00 : Fuel injector circuit/open cylinder No.3

P0204:00 : Fuel injector circuit/open cylinder No.4

This concern may be caused by an internal failure of the PCM (DENSO produced only). To correct the concern, the PCM internal failure has been eliminated.

Customers having this concern should have their vehicle repaired using the following repair procedure.

## REPAIR PROCEDURE

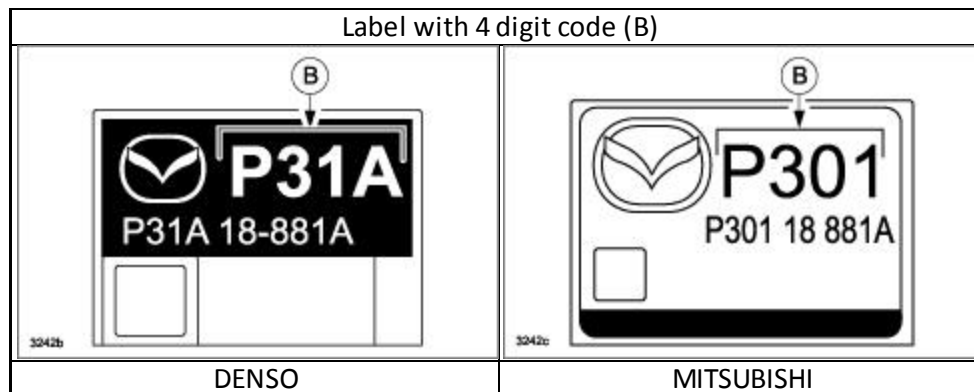
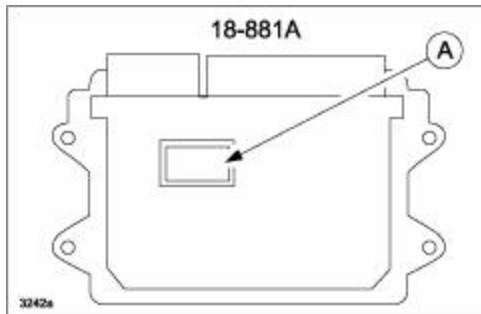
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**CONSUMER NOTICE:** The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

1. Verify customer concern.

- The engine runs rough.
- The check engine light is on with DTCs P0201:00 and P0204:00 or P0202:00 and P0203.

2. Check if the PCM is “DENSO” produced. Inspect the PCM label (A) and check the 4-digit code (B) to confirm this code matches with the first 4 digits of DENSO PRODUCED PCM part numbers specified in the GEPC.



- CX-5: PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5]
- Mazda3: PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5]
- Mazda6: PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.5]
- If the PCM is “DENSO”, replace the PCM according to the instructions on MS3 online.

**Note:** PCM unit replacement requires Major Assembly Service Hotline (MASH) authorization prior to repairs. Obtain a Hotline Control Number (HCN), then contact MASH at 888 832-8477, option 2, to obtain authorization.

- If the PCM is NOT “DENSO”, this TSB is not applicable. Perform diagnosis for other concerns according to the instructions on MS3 online.

3. Verify repair.

## PARTS INFORMATION

| Part Number | Description | Qty. | Notes                                |
|-------------|-------------|------|--------------------------------------|
| ***-18-881* | PCM         | 1    | DENSO<br>Requires MASH authorization |

**NOTE:** The PCM part numbers have not been changed by this mass-production change. Check the GEPC for the latest PCM part number applicable to the VIN and place the part order accordingly.

## WARRANTY INFORMATION

### NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Federal Emission Warranty or PZEV Warranty, where applicable.
- **PCM unit replacement requires MASH authorization prior to repairs.** Obtain aHotline Control Number (HCN), then **contact MASH at 888 832-8477, option 2, to obtain prior authorization.**
- Additional diagnostic time cannot be claimed for this repair.

|                                 |                                                                                      |
|---------------------------------|--------------------------------------------------------------------------------------|
| Warranty Type                   | A                                                                                    |
| Symptom Code                    | 6X                                                                                   |
| Damage Code                     | 9W                                                                                   |
| Part Number Main Cause          | ****-18-881* (Enter the latest PCM part number applicable to the vehicle in repair.) |
| Qty.                            | 1                                                                                    |
| Operation Number / Labor Hours: | XXM65ARX / 0.3 Hrs. (PCM Cover with standard bolts/nuts)                             |