

# SERVICE INFORMATION BULLETIN

## Subject: CORRECTION TO WORKSHOP MANUALS FOR THE J08E ENGINE

This document is to inform dealers of the correction to Workshop Manuals for the J08E engines.

### 1. RELEVANT WORKSHOP MANUALS

|        | Pub. No.    |             | Page on the workshop manual | Page to refer on this bulletin |
|--------|-------------|-------------|-----------------------------|--------------------------------|
|        | 2005MY      | 2006MY      |                             |                                |
| U.S.A. | S5-UJ08E01B | S5-UJ08E02A | DN02-60                     | Page 2/3                       |
|        |             |             | DN02-78                     | Page 3/3                       |
| CANADA | S5-CJ08E01B | S5-CJ08E02A | DN02-60                     | Page 2/3                       |
|        |             |             | DN02-78                     | Page 3/3                       |

### 2. CORRECTION

- a) Resistance between terminals of the air intake pre-heater relay should be 64.0 – 96.0 Ohms
- b) Illustration of the air intake pre-heater terminal should be revised.
- c) Resistance between terminals of the main relay should be 111 Ohms

Refer to pages 2 and 3 of this bulletin

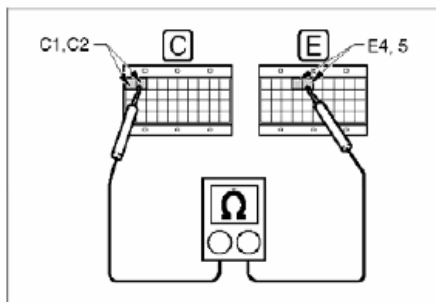
Please affix the “crack & peel” label over the appropriate area and pages of the workshop manuals.

# SERVICE INFORMATION BULLETIN

## AIR INTAKE PREHEATER RELAY

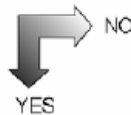
EN1610602F200033

|     |       |                             |
|-----|-------|-----------------------------|
| DTC | P0540 | Preheat circuit malfunction |
|-----|-------|-----------------------------|



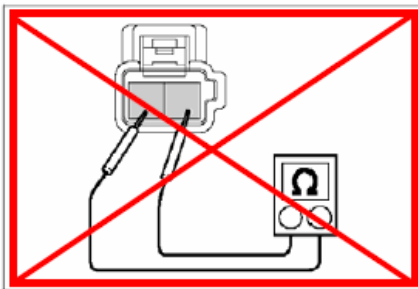
- CHECK THE RESISTANCE BETWEEN TERMINALS.**
  - Set the starter switch to "LOCK" position and connect the signal check harness.
  - Disconnect the connector of the signal check harness (ECU side).
  - Measure the resistance between GRY (C1,C2) and PGD (E4, E5) terminals.

Standard: ~~22.5 – 27.5 Ω~~  
**64.0 – 96.0 Ω**



NO  
Proceed to 2.

- Malfunction of ECU
- Malfunction of ECU connectors

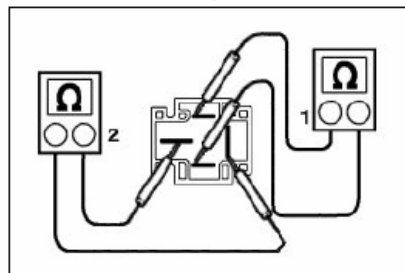


- CHECK THE RESISTANCE OF PREHEATER RELAY.**
  - Remove the preheater relay.
  - Measure the resistance between terminals of preheater relay.

Standard: ~~22.5 – 27.5 Ω~~  
**1. 64.0 – 96.0 Ω**  
**2. ∞ Ω**



NO  
Malfunction of preheater relay



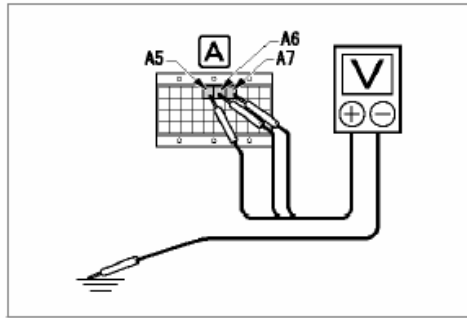
- Malfunction of harness
- Malfunction of connectors

# SERVICE INFORMATION BULLETIN

## MAIN RELAY

EN1610602F200045

|     |       |                        |
|-----|-------|------------------------|
| DTC | P0686 | Main relay malfunction |
|-----|-------|------------------------|

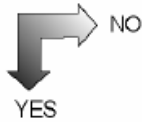


SAPH161060200092

### 1. CHECK THE VOLTAGE BETWEEN TERMINALS.

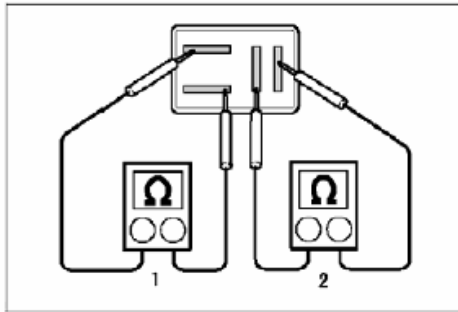
- (1) Set the starter switch to "LOCK" and connect the signal check harness.
- (2) Set the starter to "ON" position.
- (3) Measure the voltage between VB1 (A5), VB2 (A6), VB3 (A7) terminal and Chassis GND.

**Standard: More than 10 V**



Proceed 2

- Malfunction of ECU
- Malfunction of ECU connectors



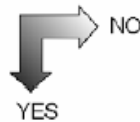
SAPH161060200093

### 2. CHECK THE RESISTANCE BETWEEN RELAY TERMINALS.

- (1) Set the starter switch to "LOCK" and remove the main relay.
- (2) Measure the resistance between terminals.

**Standard:**

1. ~~320 Ω~~ 111 Ω
2. ∞ Ω



Malfunction of main relay

Malfunction of harness