



# Technical Service Bulletin

<b>SUBJECT:</b> <b>DTCs P0657, P1590, U0101, P0201 – P0206 &amp; POSSIBLE NO START</b>			<b>No:</b> <b>TSB-07-13-010</b>
			<b>DATE:</b> <b>December, 2007</b>
			<b>MODEL:</b> <b>See Below</b>
<b>CIRCULATE TO:</b>	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY PROCESSOR	<input type="checkbox"/> SALES MANAGER

## PURPOSE

Some affected vehicles may experience any or all of the following DTCs after the vehicle is operated in very cold weather (approximately -5° F (-20°C) or colder) after a short drive (5 – 10 minutes) followed by a 15 – 20 minute cold soak.

DTC	Relay	Description
P0657	ETV	Throttle Actuator Motor Relay Circuit Malfunction
P1590	A/T	TCM to ECM Communication Error in Torque Reduction Request (CVT)
U0101	A/T	CVT ECU Timeout (CVT)
P0201 – P0206	Injector	Injector Circuit, Cyl. 1 – 6

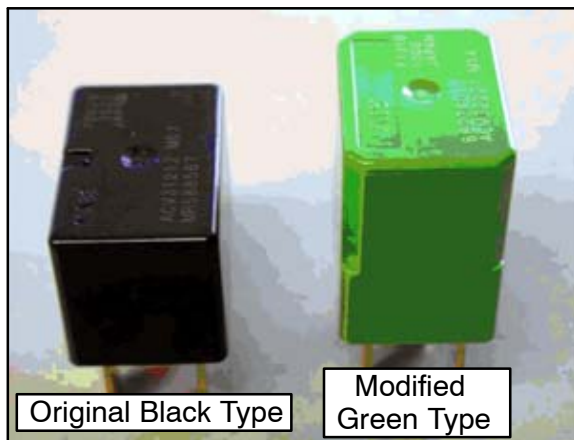
The customer may also complain of a no-start condition, however dealers may find it difficult to recreate. The condition is caused by condensation freezing inside the relay, rendering it inoperative. Should you suspect very cold weather has caused either or both of these conditions in an affected vehicle, follow the procedure below to identify and replace four (4) relays with a modified type.

### Affected Vehicles:

2007 – 2008 Outlander (2.4L 4 cyl & 3.0L V6) built prior to November 20, 2007.

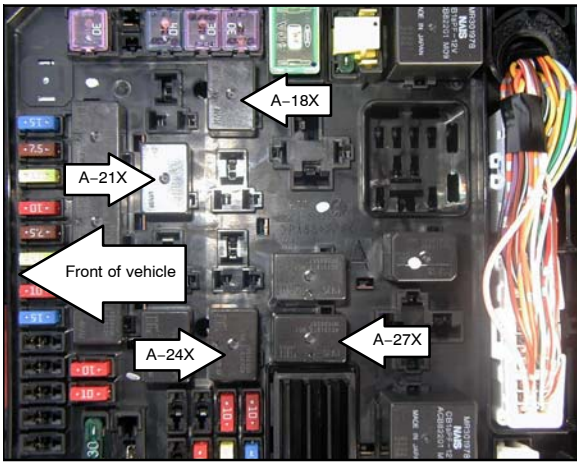
2008 Lancer built prior to November 13, 2007.

## PROCEDURE:



1. Identify which type of relay is fitted in the relay box. If the vehicle is fitted with the "Original Black Type," continue with the following steps. If it is fitted with the "Modified Green Type," diagnose the condition as per the service manual
2. Using the MUT-III, read DTCs and record Freeze Frame Data. Note if the data shows the intake air temperature at approximately -5° F (-20°C) or colder.
3. Erase any DTCs and start the vehicle.
4. Check for provisional DTCs.
5. If no DTCs are reset, perform the following steps to replace the relays.

continued



**NOTE: ONLY INSTALL A NEW RELAY IN LOCATIONS INDICATED IN THE PHOTO.**

6. Replace the following relays with the updated type as described in the Parts Information section of this bulletin.
- A-18X      A/T Control Relay
  - A-21X      Throttle Valve Control Servo Relay
  - A-24X      Injector Relay
  - A-27X      Starter Relay

**PARTS INFORMATION**

Use the Genuine Mitsubishi Parts listed below.

Description	Part Number	Qty.
Relay, Power	8627A011	4

**WARRANTY INFORMATION**

This bulletin is supplied as technical information only and is not an authorization to repair.  
If an affected vehicle is observed with the above condition, repair as described in this bulletin and submit a normal warranty claim as follows.

**Relay Diagnosis and Replacement**

<i>Nature Code:</i> 16P	<i>Cause Code:</i> 590
<i>Labor Operation No.:</i> 13840195	<i>Time Allowance:</i> 0.4 hr.
<i>Warranty Coverage:</i> Emissions/Basic Warranty Coverage – 5 years/60,000 miles	

Mitsubishi Motors North America, Inc.

The information contained in this bulletin is subject to change. For the latest version of this document, go to the Mitsubishi Dealer Link, MEDIC, or the Mitsubishi Service Information website ([www.mitsubishitechinfo.com](http://www.mitsubishitechinfo.com)).