



Technical Service Bulletin

SUBJECT:			No: TSB-10-13-002
DTCs P0657, P1590, U0101, U0100, P0201 – P0206 & POSSIBLE NO START (U.S. ONLY)			DATE: January, 2010
			MODEL: See Below
CIRCULATE TO:	<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 and/or symptoms after the vehicle is operated in very cold weather (approximately -22° F (-30°C) or colder) after a short drive (5 – 10 minutes) followed by a 15 – 20 minute cold soak.

DTC	MIL Status	Relay	Symptom
P0657	ON	ETV	Engine torque is limited
P1590	ON	A/T (CVT)	Limp Home Mode
U0101	ON	A/T (CVT)	Limp Home Mode
None	OFF	STARTER	Engine will not turn over
U0100	OFF	MFI	Engine will not start
P0201 – P0206	OFF	Injector	Engine will not start

This condition is caused by condensation freezing inside the relay, rendering it inoperative. Should you suspect very cold weather has caused this condition in an affected vehicle, follow the procedure below to identify and replace described relays with modified parts.

AFFECTED VEHICLES

2007–10 Outlander (2.4L 4 cyl & 3.0L V6) built prior to November 16, 2009.

2008–10 Lancer, built prior to November 16, 2009.

2008–10 Lancer Evolution built prior to November 16, 2009.

2009–10 Lancer Sportback built prior to November 16, 2009.

PROCEDURE

- Turn the ignition switch to the LOCK (off) position.
- Locate the relay box inside the engine compartment and open the cover.
- Refer to the illustrations on pages 2 through 4 of this TSB and replace relays as follows:
 - Vehicles equipped with A/T or CVT – Replace the Injector Relay, Starter Relay, Throttle Actuator Control Motor Relay, AT/CVT Control Relay with p/n 8627A024, and replace the MFI relay with p/n MR400709.
 - Vehicles equipped with M/T or SST – Replace the Injector Relay, Starter Relay, Throttle Actuator Control Motor Relay with p/n 8627A024, and replace the MFI relay with p/n MR400709.

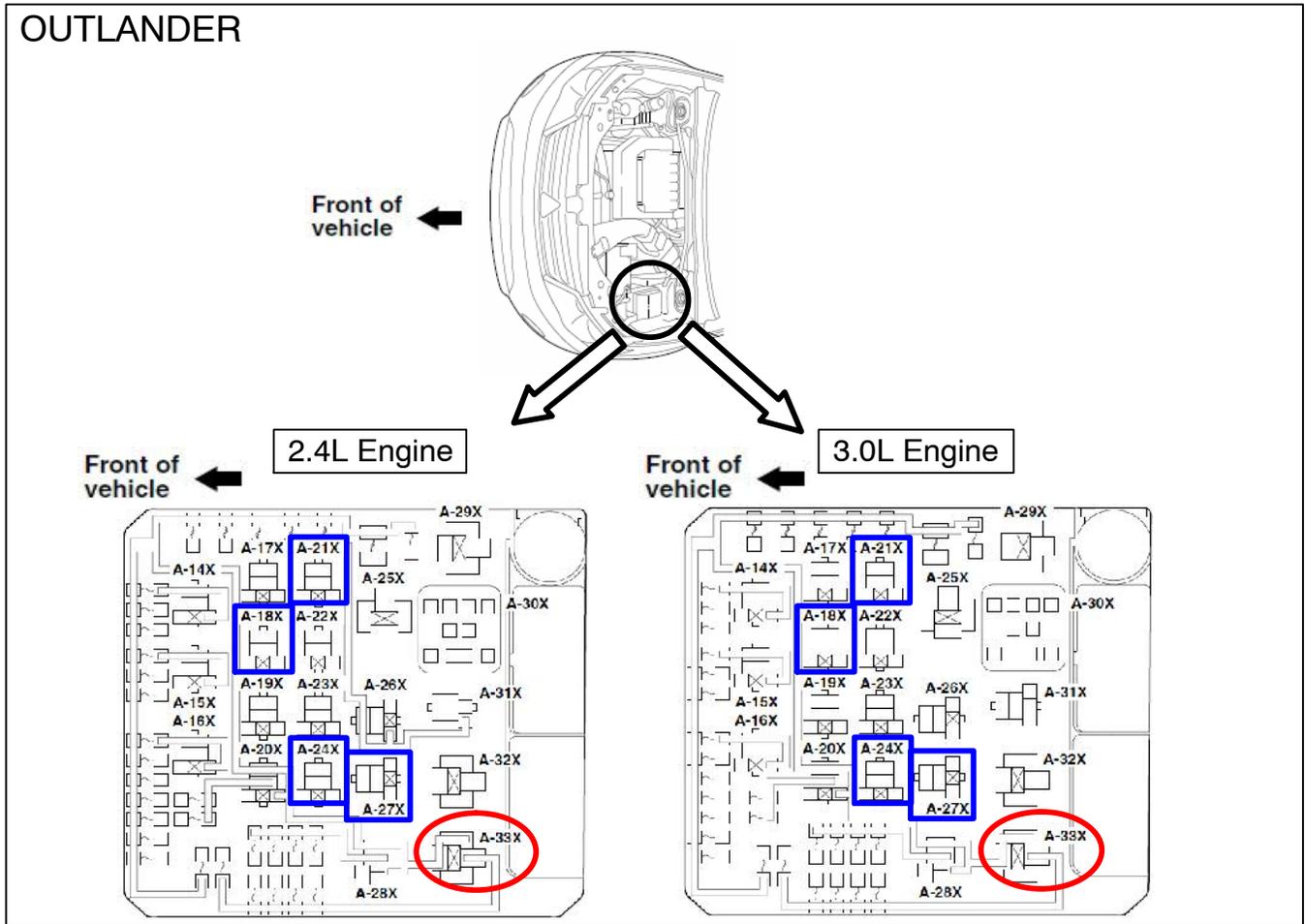
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FILE UNDER:

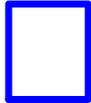
Group 13 FUEL, in the Dealer Service Information Binder

(3590)

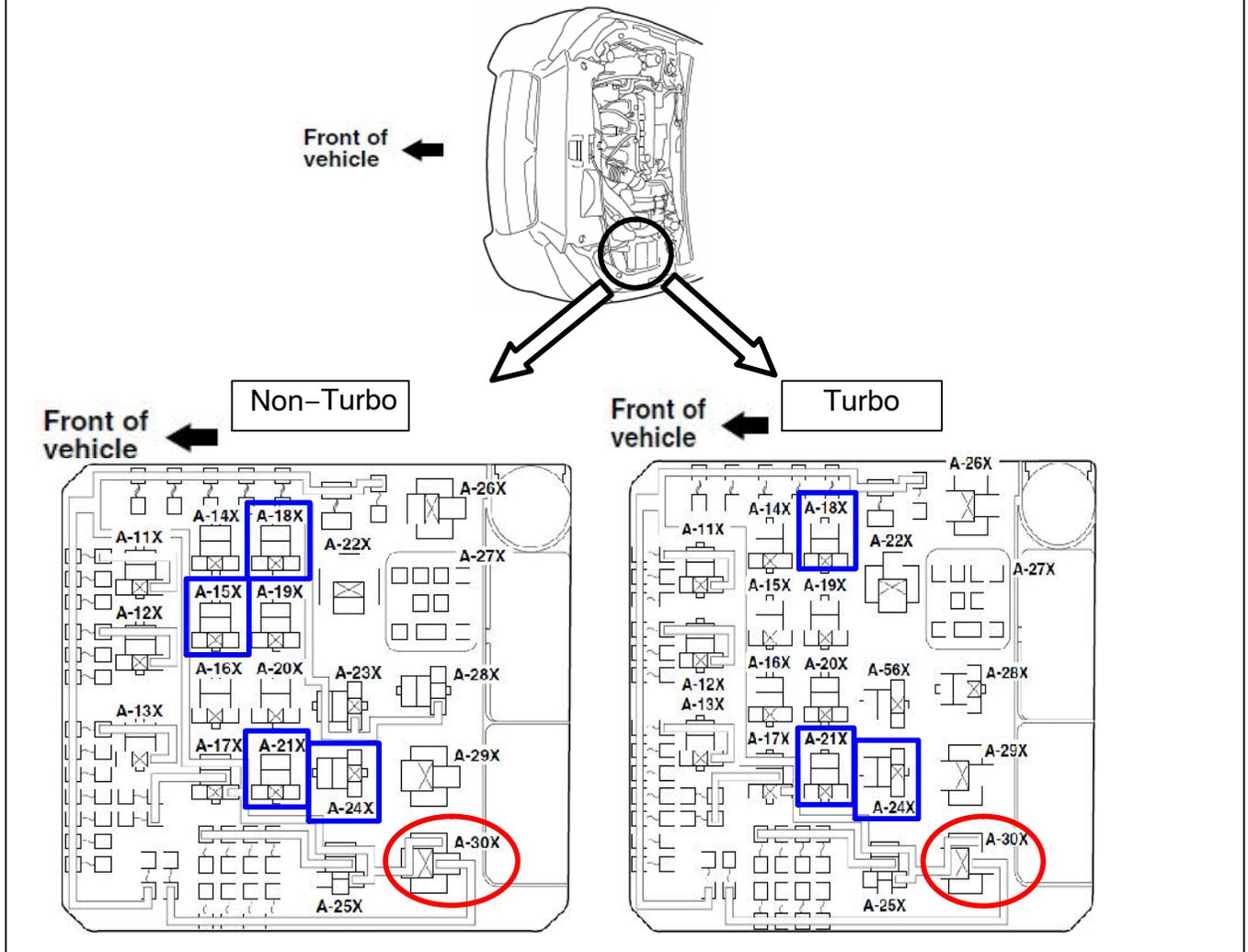
NOTE: ONLY INSTALL A NEW RELAY IN LOCATIONS INDICATED IN THE FOLLOWING ILLUSTRATIONS.

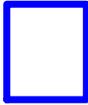


OUTLANDER

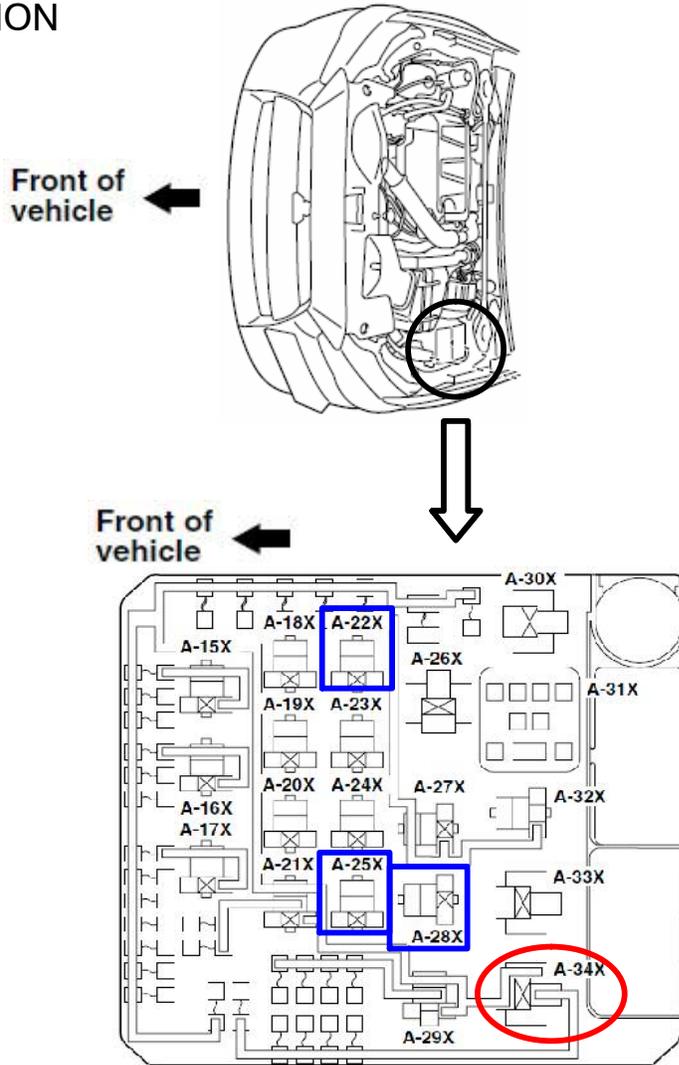
Connector No.	Name	Correct Part no.	Remarks
A-18X	A/T control relay (3.0L Engine)	8627A024	Shown as 
	CVT Control Relay (2.4L Engine)		
A-21X	Throttle actuator control motor Relay		
A-24X	Injector Relay		
A-27X	Starter Relay		
A-33X	MFI Relay	MR400709	Shown as 

LANCER and LANCER SPORTBACK



LANCER and LANCER SPORTBACK			
Connector No.	Name	Correct Part no.	Remarks
A-15X	CVT control relay	8627A024	Shown as 
A-18X	Throttle actuator control motor Relay		
A-21X	Injector Relay		
A-24X	Starter Relay		
A-30X	MFI Relay	MR400709	Shown as 

LANCER EVOLUTION



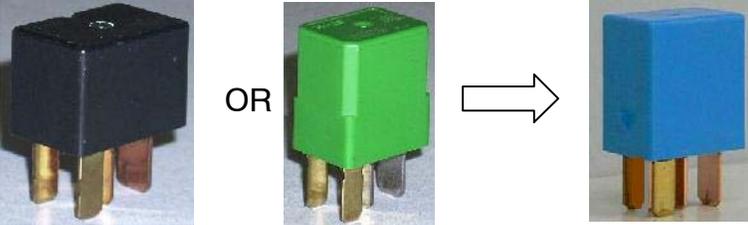
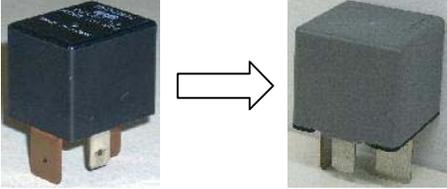
LANCER EVOLUTION

Connector No.	Name	Correct Part no.	Remarks
A-22X	Throttle actuator control motor Relay	8627A024	Shown as 
A-25X	Injector Relay		
A-28X	Starter Relay		
A-34X	MFI Relay	MR400709	Shown as 

PARTS INFORMATION

Use the Genuine Mitsubishi Parts listed below.

Description	Part Number	Qty.
Relay, Power	8627A024	3 (M/T or SST) 4 (A/T or CVT)
Relay, Power (MFI)	MR400709	1

Part Number	Identification
8627A024 (Relay)	<p><u>Control relays</u> Replace Black (p/n MR588567) or Green relay (8627A011) with a Blue relay (p/n 8627A024).</p> <p>p/n MR588567 p/n 8627A011 p/n 8627A024</p> 
MR400709 (MFI relay)	<p><u>MFI relay</u> Replace the Black MFI relay (p/n MR301978) with a Grey MFI relay (MR400709).</p> <p>p/n: MR301978 p/n: MR400709</p> 

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 described condition, diagnose the condition, repair as described in this bulletin and submit a normal warranty claim using the following information.

Relay Diagnosis and Replacement

Nature Code: 16P

Cause Code: 590

Labor Operation No.: 13840195

Time Allowance: 0.4 hr.

Warranty Coverage: Basic Warranty Coverage – 5 years/60,000 miles

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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).