MITSUBISHI MOTORS

TECH TALK

Volume 194, February, 2013

2014 Outlander

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Vehicle Technical Info

NOTE: The ✓ mark indicates an article repeated from a previous issue of Tech Talk.

GROUP 00–General

TIN-12-00-002: CUSTOMER LETTER - COLD WEATHER DRIVING — *2012 iMiEV.* The subject TIN was sent to all Certified iMiEV dealers on December 21, 2012 and reads:

> The attached letter is being sent to all 2012 Mitsubishi i-MiEV owners to provide recommendations for maximizing the driving range of their electric vehicle when operated in colder temperatures.
>
> Please familiarize yourself with the contents of the letter. If a customer has additional questions, please direct them to call MMNA Customer Relations Department 1-888-648-7820 or by email: CallCenter@mmsa.com.

A sample copy of the customer letter is attached to the TIN and appears later in this issue.

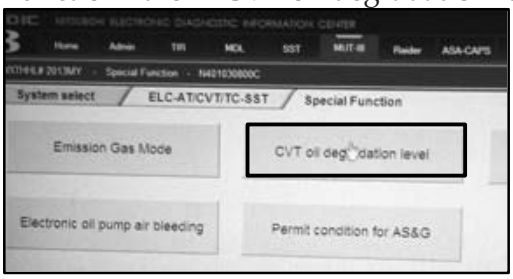
GROUP 13–Fuel

MIL ILLUMINATION WITH P061A STORED IN ECM — *2011 – 13 Lancer, Lancer Sportback, Lancer Evolution, Outlander, Outlander Sport (RVR).* MMNA is investigating MIL illumination with DTC P061A – "Internal control module torque performance problem" stored in the ECM on affected vehicles. If a customer reports this condition, please do following:

- **RECORD FREEZE FRAME DATA**
- Ask the customer if it rained or snowed, or if the vehicle went through a car wash the day before or the day of the MIL illuminating.
- Inspect the air intake assembly for any signs of water or other contamination.
- Open a Techline case and contact Techline for further instructions.

GROUP 23–Automatic Transmission

RESETTING CVT FLUID DEGRADATION COUNTER — *All 2008 & later with CVT.* TCMs in subject vehicles calculate how much the CVT oil degrades over time. These vehicles require the "CVT oil degradation level" be reset whenever the CVT fluid is replaced. To complete the reset procedure, from the MUT–III main page, choose "System Select." On the System page confirm the "From2006MY" button is selected, click the car icon at the bottom of the page and confirm/input your vehicle information (VIN, etc.) Then select "ELC–AT/CVT/TC–SST" and click the check mark at the bottom of the page. Select "Special Function" then "CVT oil degradation level."



When the "CVT oil degradation level" screen appears, click the check mark to begin the reset procedure and follow on–screen instructions.

GROUP 37 – Steering

STEERING DRIFT/PULL — *2013 Outlander Sport (RVR).* MMNA Mfg. in Normal, IL wants to investigate vehicles within 125 miles of the

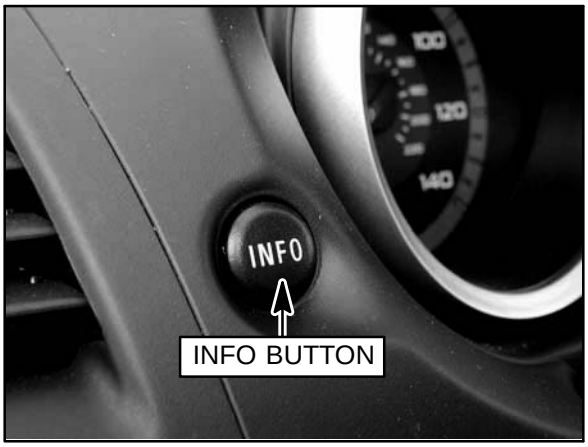
assembly plant, when the customer has reported steering drift/pull. If a customer brings this condition to your attention, **BEFORE MAKING ANY REPAIRS**, please contact Dan Sherman at 309–888–8975. This investigation closes March 15, 2013.

GROUP 54 – Chassis Electrical

CHANGING THE TURN SIGNAL FUNCTION SOUND *— 2007–later Outlander, 2008 & later Lancer Based vehicles, 2011 & later Outlander Sport (RVR).* The sound heard when the turn signal functions can be changed between an alternating beep tone and a traditional clicking sound. If you want to change from one to the other, use the following instructions:

With the key in the ON position, the parking brake set and and the transmission in P (CVT or TC–SST), or N (M/T),

1. Press the "INFO" button repeatedly until the the "Setting Menu" is displayed.
2. Press and hold the "INFO" button for 2 seconds again. This changes the display to the "Menu Screen."

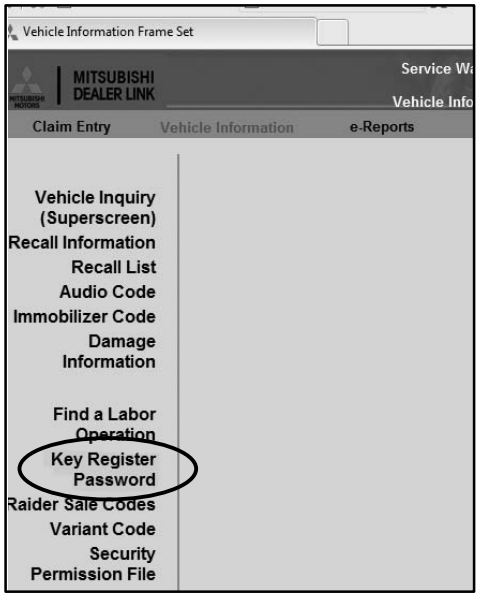


3. Repeatedly press the "INFO" button until the <—> icon is displayed.
4. Press and hold the "INFO" button for 2 seconds. The sound will toggle between the alternating beep tone and the traditional clicking each time the button is pressed and held.

To exit this function, press the "INFO" button repeatedly until "RETURN" is displayed. Then press and hold the info button for 2 seconds to return to the "Settings Menu."

These instructions can also be found in the Features and Controls section of the owner's manual under "Multi–Information Display," "Changing the turn signal sound."

INCORRECT IMMOBILIZER PASSWORD ENTRY *— All with immobilizer.* When using the scan tool (MUT III) to register keys, if you incorrectly enter a key register password five times in a row, the immobilizer judges the system is operating incorrectly and immobilizes the engine. To overcome this condition, insert a cut key into the ignition switch, turn it to the ON position and leave it for approximately 20 minutes. You will then have 5 more attempts to register keys. Refer to the service manual for further immobilizer details.



Passwords can be found on the MDL by clicking service >> systems >> Vehicle Information >> Key Register Passwords.

RAIDER EXCHANGE VENDOR UPDATE *— 2006–09 Raider.* United Radio, the vendor for Raider exchange parts and some new electrical components, has a new website address. Visit their new website at *www.unitedradio.com/automotive* and click *DEALERS*. They also have a new email address: *autoparts@unitedradio.com*. Please update your records.

USING L.E.D. BULBS IN STANDARD LIGHTING CIRCUITS (REVISED) *— All models.* When diagnosing electrical system concerns, where either the cruise control is inoperative or the TCL/ASC light is illuminated, check for the installation of non–OEM L.E.D. bulbs in the stop lights, the center high–mount stop light, or tail light assemblies. This is particularly important on 2006 and later Eclipse and Eclipse Spyder. These models are built with LED combination light assemblies, and the taillight and stop light

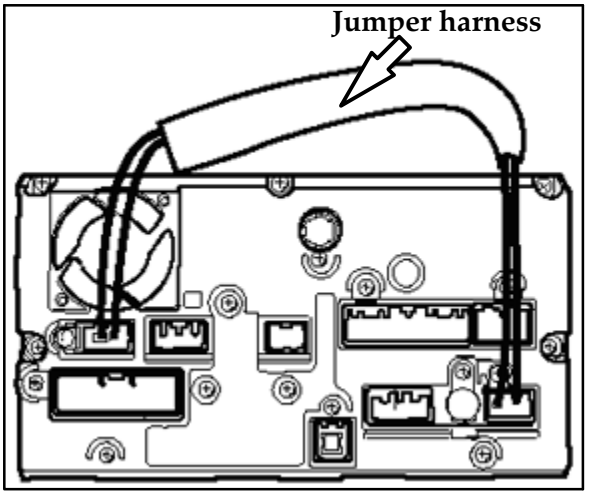
LED are built into the assembly. Identifying the differences between factory and aftermarket combination light assemblies can be difficult.

Disconnecting the bulb or light assembly for diagnosis is not a valid test, because circuit current will still be lower than specification. Monitor the brake switch (Brake SW) signal in the data list using MUT–III to determine the status of the stop light circuit. Brake SW data should read OFF when the brake pedal is not depressed. If the data for this input reads ON, L.E.D. bulbs may be installed in one or more stop lamps. Physically check for and replace any non–OEM L.E.D. bulbs or light assemblies in the stop light circuit before replacing other components.

GROUP 66–Accessory

REAR VIEW CAMERA DISPLAY WHEN ACCESSORY NAVIGATION IS ADDED — *2007–13 Outlander, 2008–13 Lancer, Lancer Evolution, 2009–13 Lancer Sportback, 2011–13 (RVR) Outlander Sport.* When authorized Mitsubishi accessory navigation is added, either at the port or by the dealer, to a vehicle with a rear view camera, the image will still appear in the rear view mirror. The image is ONLY displayed on the navigation screen if it is factory installed.

Customers may report there being two sets of location lines in the display. Installation of an accessory navigation unit requires a jumper harness to eliminate the double line display. This harness is included with the navigation unit, NOT the installation kit. Refer to the installation instructions included with the kit and insure the jumper harness was installed.



TECHLINE

(800) 446–6064

HOURS:
Monday — Friday
6:30 – 11:30 am & 12:30 – 3:30 pm
All times are Pacific Time

NOTE: Techline is closed every THURSDAY from 9:30 – 10:30 A.M (Pacific) for a staff meeting.

MEDIC Information

MEDIC Hotline (800) 846–7575

Call the MEDIC Hotline for ALL MEDIC & Scan Tool hardware or software issues. Call TECHLINE for vehicle technical issues.

As of 1/15/13: Total Hits – 6008 Reflash Database – N12061

MEDIC 3 Version – 3.2	MEDIC 3 Update – 161
MUT–III Version – 27.0	Raider Scan Tool Version – 6.0

Mitsubishi Motors North America, Inc.
6400 Katella Avenue
Cypress, CA 90630
Telephone: 714-372-6000
www.mitsubishicars.com

November, 2012

Mitsubishi i-MiEV Owner,

You are receiving this letter to inform you of a potential software incompatibility specific to the EVSE charger produced by Clipper Creek. Currently, use of a Clipper Creek charger could potentially damage the internal components within your i-MiEV electrical system. If this damage occurs, it could potentially affect your i-MiEV's ability to start.

This incompatibility is caused by a software mis-communication between the Clipper Creek EVSE charger and the i-MiEV computer system. To remedy this situation, Mitsubishi is developing a software update that is expected to be available at your local certified Mitsubishi i-MiEV dealer for installation starting January, 2013.

At this time, until your i-MiEV has received the updated software programming, Mitsubishi recommends that if you use Clipper Creek chargers, please remove the charging connector from the vehicle as soon as the energy level gauge indicates the battery is fully charged. This will minimize the possibility of damage to internal components within your i-MiEV electrical system. Once the software update has been installed on your i-MiEV, you will be able to resume normal usage of Clipper Creek charger systems.

If you have any questions regarding this letter, please contact us:

Mitsubishi Customer Relations Department
P.O. Box 6400
Cypress, CA 90630-0064
Phone 1-888-648-7820
Hours: Monday – Friday 7 a.m. – 4 p.m. Pacific Time

We appreciate your prompt attention to this matter, and apologize for any inconvenience.

Sincerely,

Mitsubishi Motors North America, Inc.

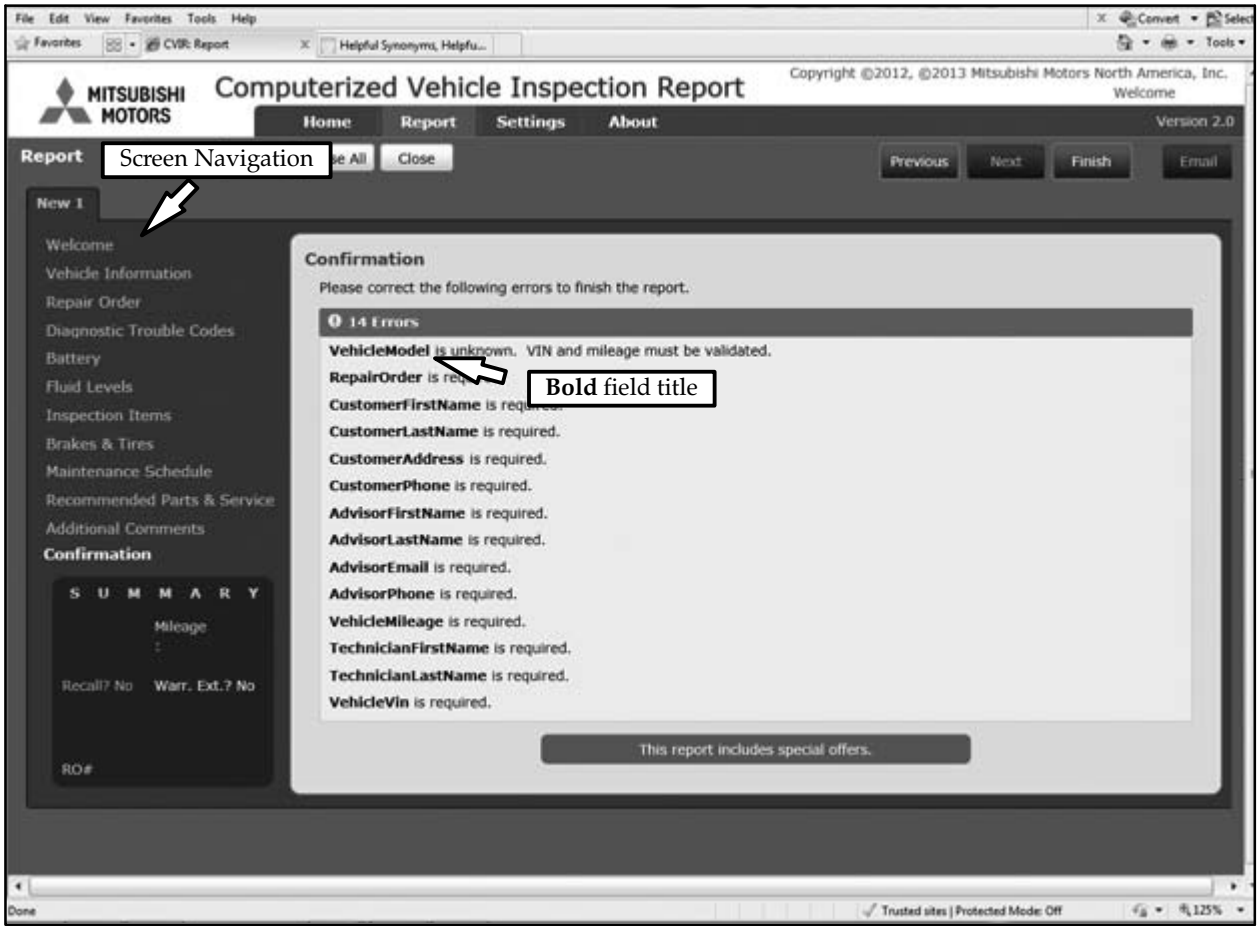
SAMPLE

Tips From the Toolman

NAVIGATING IN THE CVIR REPORT WIZARD

When using the **CVIR** report wizard, the **Confirmation** screen (see below) will display an error message if any of the required fields are skipped or entered incorrectly and the field title of the incorrect data will be in **bold** type. Instead of scrolling through screens by repeatedly clicking the **Previous** or **Next** button, click the **bold field title** in the error message to navigate to that screen. You can also click the title in the screen navigation list at the left of the screen to change screens.

*Note: It is not required to be on the **Confirmation** screen to use the links in the left navigation pane. Whenever the screen title is highlighted, you may select it to access that screen.*

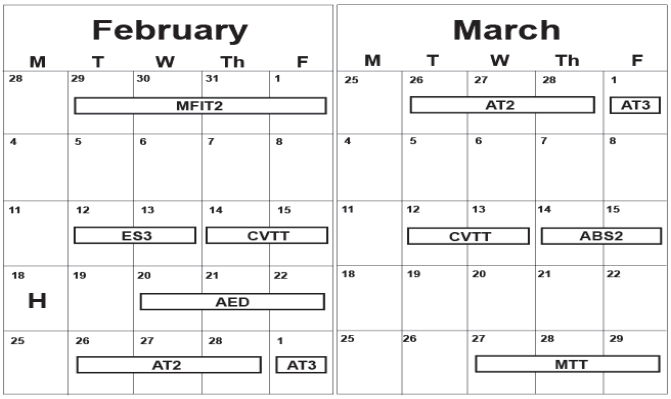


Training News

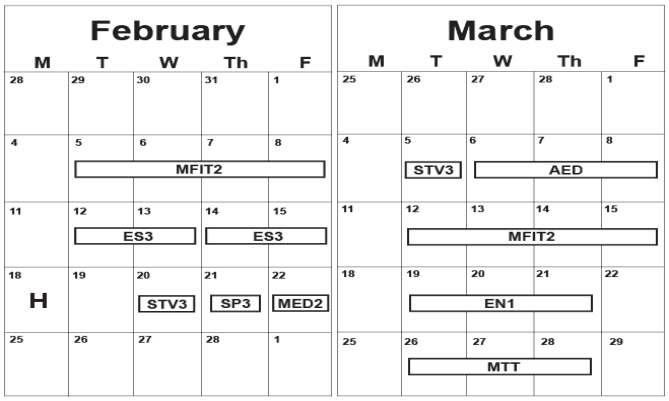
Technical Training Schedule
February — March, 2013

Mobile Training does not appear on these calendars. Contact your District Parts & Service Manager for information about mobile training in your area.

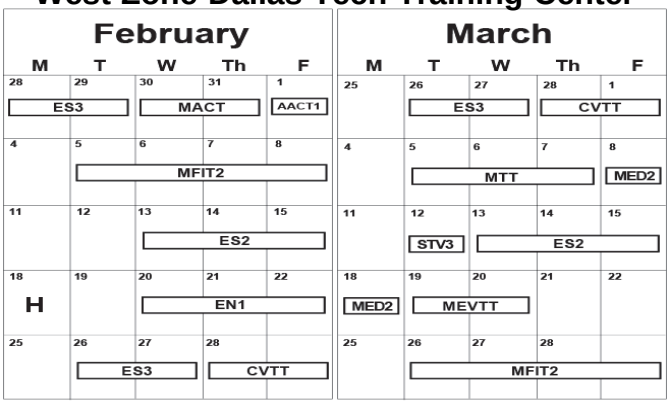
East Zone - N.J. Tech Training Center



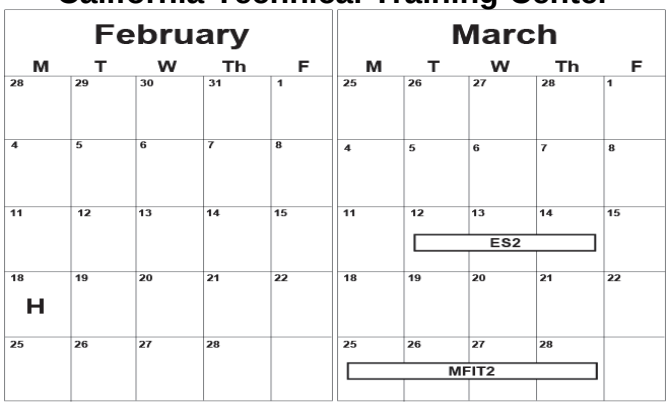
East Zone - Atlanta Tech Training Center



West Zone-Dallas Tech Training Center



California Technical Training Center



Course Description	Days	Code	Prerequisites
Automatic Transaxles			
40/50 Series Diagnosis & Repair	3	AT2	ATF
50 Series 5-speed Diagnosis & Repair	1	AT3	AT2
CVT Diagnosis &Repair	2	AT4	AT3
Brakes			
Antilock Brakes	2	ABS	ES1
Electrical Systems			
Electrical Systems 1	3	ES1	
Electrical Systems 2	3	ES2	ES1
Engine Performance			
Advanced Emission Diagnosis	3	AED	ES1, STV, MFI
Engine Technology & Diagnosis	3	EN1	
Multiport Fuel Injection	4	MFI	ES1, STV, MFI

Course Description	Days	Code	Prerequisites
Heating & A/C Systems			
Manual A/C Systems	2	MAC	
Automatic A/C Systems	1	AAC	ES1
Manual Transaxles			
Manual Transaxles & Transfer Cases	3	MTT	
Vehicle Specific			
Eclipse Spyder Convertible Top (Top Stack)	1	SP3	
Mitsubishi Electric Vehicle Technician Training	2	MEVTT	AESP, ES1, ES2, STV, MED2, MED3, 120, 121
Vehicle Diagnostics			
Advanced Electronic Service Procedures	-	AESP	
MEDIC II	1	MED	
Scan Tool Viewer (MUT III)	1	STV	

NEWS:

- The first quarter Technical Quiz for 2013 (TQ0113) is available on mitsubishiacademy.com. Review recent TSBs & Tech Talk issues and log on to complete the quizzes.

Bulletin Review

The following information was recently released:

Number	Title	Vehicles	Subject
2012 TSBs			
TSB–12–35–003	Stop Light Switch Installation & Adjustment–SMR	2007–12 Outlander, 2008–12 Lancer based vehicles, 2011–13 Outlander Sport	Updates the stop light switch adjustment procedure in the service manual.
TSB–12–42A–004	Door Lock Rocker Switch Button –SMR	2007–12 Eclipse, Eclipse Spyder & Galant, 2007–11 Endeavor	Update the service manual with replacement instructions for rocker switch button.
TSB–12–52A–004	Securing the Overhead Console	2013 Outlander Sport	Provides instructions for reinstalling the overhead console.
TSB–12–52A–005	Door Lock Rocker Switch Button –SMR	2007–12 Eclipse, Eclipse Spyder & Galant, 2007–11 Endeavor	Updates the service manual with replacement instructions for rocker switch button.
TSB–13–00–001	Vehicle Identification Update–SMR:	2013 Outlander Sport	Updates the service manual with correct VIN code information.
2013 TSBs			
TSB–13–11–001	Oil Pump Chain Guide Eliminated–SMR	2013 Lancer, Lancer Sportback & Outlander Sport	Updates the service manual to remove instructions for eliminated chain guide.
TSB–13–12–001	Oil Pump Chain Guide Eliminated–SMR	2013 Lancer, Lancer Sportback & Outlander Sport	Updates the service manual to remove instructions for eliminated chain guide.
TSB–13–34–001	Rear Trailing Arm Bushing Special Tool–SMR	2013 Outlander Sport	Updates special tool information for trailing arm bushing remover.
TSB–13–35–001	Rear Brake Pad Replacement–SMR	2013 Outlander Sport	Update the service manual with correct instructions for brake pad replacement.
TSB–13–42A–001	Updated KOS, TPMS & WCM Caution Statements–SMR	2007-12 Eclipse Spyder, 2008-13 Lancer, Lancer Evolution, 2009-13 Lancer Sportback, 2007-13 Outlander, 2011-13 Outlander Sport	Provides updated Caution statements for for handling listed components.
TSB–13–52B–001	Updated SRS Caution Statements–SMR	2004-12 Galant, 2006-12 Eclipse, 2007-12 Eclipse Spyder, 2008-13 Lancer, Lancer Evolution, 2009-13 Lancer Sportback, 2007-13 Outlander, 2011-13 Outlander Sport, 2012 i-MiEV	Provides updated Caution statements for handling SRS components
SC–13–001	i–MiEV EV–ECU Software Update for Clipper Creek EVSE – Service Campaign	2012 i–MiEV	Provides instructions for dealers to reprogram the EV–ECU with new software and provided compatibility with charging stations produced by Clipper Creek.

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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)*.