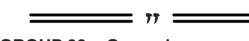


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Vehicle Technical Info



GROUP 00 – General

TIN-14-00-001-RETURNOFAIRBAGMODULESANDSEATBELTPRETENSIONERS-Allmodels.TIN-14-00-001was e-mailed to all dealers onSeptember 25, 2014, and states:

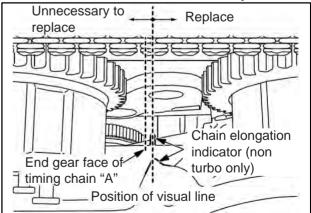
"Undeployed air bag modules and seat belt pretensioners are considered hazardous materials or dangerous goods when shipped to your dealership. Similarly, the return of these same items to MMNA would also be subject to US Department of Transportation (US DOT) hazardous material regulations. When returning these items, either to your facing PDC, authorized return consolidation center or to another location in response to a warranty parts request, you as the shipper are responsible for complying with these regulations.

Pursuant to Title 49 of the Code of Federal Regulations, Sections 171-178, the dealership is a "HAZMAT employer" and must ensure that its employees are properly trained. Failure to comply with the applicable regulations can result in the imposition of civil penalties per day per violation as well as possible criminal fines and prosecution. Please refer to the Parts Hazardous Material Training section on the Mitsubishi Dealer Link (MDL), for additional information and available training resources (MDL \rightarrow parts information \rightarrow Hazardous Materials \rightarrow Required Training).

In order to assist you in identifying your responsibilities, on September 18, 2014, MMNA issued Parts Bulletin AI-XX-04-14 containing guidelines for you to follow when shipping these items. Please review this bulletin to make yourself aware of your, and your dealership's, responsibilities in the shipment of hazardous materials, and the staff training required for compliance."

GROUP 11 – Engine

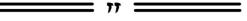
INSPECTING TIMING CHAIN STRETCH ON 4B11 TURBOCHARGED ENGINE — 2008 & later Lancer Evolution, 2009 & later Lancer/Lancer Sportback Ralliart. The condition of the timing chain is monitored by the ECM. Over time, the timing chain will stretch and this will eventually affect the phasing of the camshafts. If the ECM determines the chain has stretched too much, the "Service Engine Soon" light will be turned on and DTC P0012 will be set in memory.



The first step in diagnosing P0012 should be to visually check timing chain elongation (stretch) using the procedure in the service manual. In order better understand this procedure, view the Tech Training video available on the MDL (service \rightarrow Training Information \rightarrow Technical Training Videos and scroll to Lancer Evolution – Timing Chain Stretch. When used together with

the service manual, the video makes it easier to understand how this measurement is taken.

Note that elongation inspection is not included in the scheduled maintenance tables. Under normal circumstances it is only necessary to complete this inspection if DTC P0012 is set in ECM memory.



GROUP 22 – Manual Trans/TC–SST

REPROGRAMMING TC-SST TCM USING <u>MANUAL REPROGRAMMING</u> — 2008 & later Lancer Evolution, 2009 & later Lancer/Lancer Sportback Ralliart. When programming a TC-SST TCM after installation of a new Mechatronic assembly, pay close attention to the instructions to make sure you load the TCM with the correct software. Loading with the incorrect software may damage the ECM and prevent reprogramming. Replacement of an ECM due to the installation of incorrect software is not a warrantable repair. Claims submitted to replace the ECM for this condition are subject to charge back.

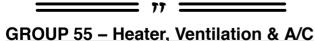


GROUP 23 – Automatic Trans/CVT

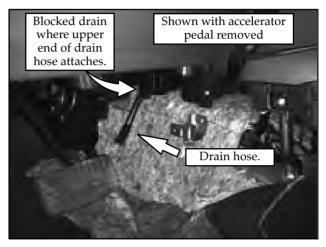
SUPERCEDED TRANSMISSION SUMP AND OIL COOLER RETURN FILTERS — 2006–07 Raider V8 with 545RFE A/T. It is possible that a cracked transmission cooler return filter can allow the torque converter (t/c) to drain back. When the engine is started, the air in the t/c is compressed and, after passing through the cooler, can be directed to the sump filter. The compressed air can cause the sump filter to split.

MMNA issued TSB-06-23-003 regarding this information, however the part numbers and replacement information have changed.

When replacing a cooler return filter or a sump filter, if the cooler return filter is marked with P/N 4799662AB, replace both the sump AND cooler return filters. If the cooler return filter has no part number marking, or is marked with P/N 4799662AC or later, it already is the latest version and replace only the sump filter.



WATER SLOSHING SOUND, UNUSUAL SMELL OR WET CARPET/FLOOR MAT — 2013-15 Outlander Sport/RVR. Subject vehicles may have a restricted HVAC drain outlet. Flashing from manufacturing may be partially (or completely) covering the drain inside the HVAC case. If a customer reports he has experienced these symptoms consistent with a blocked drain outlet, please remove the drain hose from the outlet (near the accelerator pedal) and use a mirror and light to examine the drain hole to determine if there is an obstruction. If you see an obstruction, clear the hole (a bent coat hanger works well) and insure proper flow from the drain with the A/C on.



LACK OF AIR VOLUME FROM VENTS OR MODE NOT CHANGING — 2014–15 Mirage. If you get a report of poor air flow from the vents or the air outlet mode will not change, it's possible there may be a restriction in the recirculation air intake. You may also find DTCs in the system. The restriction shown in the following photo created DTC B1042.



When checking the customer's report, work the fan controls to confirm low air volume. If the fan speed is heard to change normally, remove the glovebox and make sure something isn't restricting the intake. Items made from light materials, like paper napkins or plastic shopping bags, are easily drawn into the intake, restricting air flow.



GROUP 60 – Recalls

ATIN-14-SC-004-A: LANCER PASSENGER AIR BAG INFLATOR - SPECIAL SERVICE CAMPAIGN — 2004-05 Lancer, Lancer Sportback and Lancer Evolution. ATIN-14-SC-004-A was emailed to dealers and states:

"A special service campaign will be released today for the front passenger air bag inflator equipped on certain 2004 - 2005 Lancer, Lancer Sportback, and Lancer Evolution vehicles built June 16, 2003 to December 8, 2004. This regional special service campaign is limited to vehicles currently registered or originally sold in Florida, Hawaii, Puerto Rico, and the U.S. Virgin Islands. The Special Service Campaign Bulletin outlining the repair procedure will be available today on MEDIC and MDL.

To assist in NHTSA's investigation of certain Takata air bags exposed to high levels of humidity, the front passenger air bag inflator on certain 2004 - 2005 Lancer, Lancer Sportback, and Lancer Evolution vehicles will be replaced. The replaced inflator must be returned to Takata directly for testing and analysis.

Dealers must review the return shipping document attached to the replacement air bag inflator kit PN 7030A696. This document is also attached to SC-14-004. To obtain your dealership's CCN, please reference the MDL > Parts > Parts Information > Hazardous Materials > Takata Air Bag Inflator CCN.

Some dealers may be force allocated stock using a formula based on the proximity and percentage of applicable registered VINs by ZIP code. Parts shipments are processed via the 'R' order type and started shipping Thursday, October 16, 2014. Dealers may place additional orders via the MDL. Please refer to Parts Bulletin 52-LN-01-14 for additional information.

Affected new vehicle inventory VINs can be reviewed on the Mitsubishi Dealer Link in the **Most Recent: Open Campaign List** available under the service section of "e-reports". Dealers must review the Warranty Superscreen to confirm if any vehicles in their new or used vehicle inventories are affected, and conduct this campaign prior to delivering them. When checking for applicability of this campaign (C1414A), please check for and complete any other open campaigns. Always get the customer's approval before completing a campaign on a customer owned vehicle."

IMPORTANT

Affected new or used inventory vehicles must be repaired before the vehicle is delivered. Dealers must check their inventory vehicles' VINs on the Warranty Super Screen to verify whether the vehicle is involved in this recall campaign.

ATIN-14-SR-008-A: OUTLANDER SPORT BRAKE BOOSTER SAFETY RECALL — 2011 Outlander Sport/RVR (2 vehicles). ATIN-14-SR-008-A was emailed to dealers and states:

"A safety recall campaign will be released today for the brake booster installed on two 2011 Outlander Sport vehicles built September 3, 2010. This recall campaign will be conducted in the U.S. and Canada. The Recall Bulletin outlining the repair procedure will be available today on MEDIC and MDL.

Due to an inappropriate installation of the switch sleeve in the brake booster on affected vehicles, the switch sleeve may crack and prevent the brake pedal from properly returning. The inability of the brake pedal to return to its proper position may inhibit normal vehicle movement.

Dealers are requested to inspect the product ID label on the brake booster and replace units that were built during the suspect production period.

Notification letters will be sent to owners of affected vehicles, requesting they contact their local Authorized Mitsubishi dealership to schedule an appointment to have the inspection performed.

Affected new vehicle inventory VINs can be reviewed on the Mitsubishi Dealer Link in the Most Recent: Open Campaign List available under the service section of "e-reports". Warranty Dealers must review the Superscreen to confirm if any vehicles in their new or used vehicle inventories are affected, and conduct this campaign prior to delivering them. When checking for applicability of this campaign (C1408Z), please check for and complete any other open campaigns. Always get the customer's approval before completing a campaign on a customer owned vehicle."

IMPORTANT

Affected new or used inventory vehicles must be repaired before the vehicle is delivered. Dealers must check their inventory vehicles' VINs on the Warranty Super Screen to verify whether the vehicle is involved in this recall campaign. It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by the notification under a sale or lease until the defect or noncompliance is remedied.

ATIN-14-SR-009-A: 2008-11 LANCER, LANCER EVOLUTION, OUTLANDER, 2009-11 LANCER SPORTBACK AND 2011 OUTLANDER SPORT 4B1 ENGINE DRIVE BELT DETACHMENT SAFETY RECALL — ATIN-14-SR-009-A was emailed to dealers and states:

"A safety recall campaign will be released today for the drive belt installed on certain 2008-2011 Lancer, Lancer Evolution, Outlander, 2009-2011 Lancer Sportback, and 2011 Outlander Sport vehicles built September 26, 2006 – June 22, 2011. This recall campaign will be conducted in the U.S. and Canada. The Recall Bulletin outlining the repair procedure will be available today on MEDIC and MDL.

The drive belt on affected vehicles may cause the pulley to wear unevenly. If use continues under this condition, the belt could become damaged and detach. A detached drive belt could lead to battery depletion and an overheated engine. The loss of power steering assist could also occur in vehicles with hydraulic power steering.

Dealers are requested to replace the drive belt with a countermeasure part, and if necessary, replace any unevenly worn pulley and/or auto-tensioner assembly.

Some dealers may be force allocated stock using a formula based on the proximity and percentage of applicable registered VINs by ZIP code. Parts shipments are processed via the 'R' order type and started shipping along with your scheduled stock order beginning Monday, October 13, 2014. Dealers may place additional orders via the MDL. Please refer to Parts Bulletin 37-XX-03-14 for additional information.

Notification letters will be sent to owners of affected vehicles, requesting they contact their

local Authorized Mitsubishi dealership to schedule an appointment to have this recall performed.

Affected new vehicle inventory VINs can be reviewed on the Mitsubishi Dealer Link in the Most Recent: Open Campaign List available under the service section of "e-reports". Dealers must review the Warrantv Superscreen to confirm if any vehicles in their new or used vehicle inventories are affected, and conduct this campaign prior to delivering them. When checking for applicability of this campaign (C1409Z), please check for and complete any other open campaigns. Always get the customer's approval before completing a campaign on a customer owned vehicle."

IMPORTANT

Affected new or used inventory vehicles must be repaired before the vehicle is delivered. Dealers must check their inventory vehicles' VINs on the Warranty Super Screen to verify whether the vehicle is involved in this recall campaign. It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by the notification under a sale or lease until the defect or noncompliance is remedied.

ATIN-14-SR-010-A: OUTLANDER STOP <u>LAMP SWITCH SAFETY RECALL</u> — 2007 - 09 *Outlander.* ATIN-14-SR-010-A was emailed to dealers and states:

"A safety recall campaign will be released today for the stop lamp switch in certain 2007 - 2009 Outlander vehicles built December 15, 2006 – August 22, 2009. This recall campaign will be conducted in the U.S. and Canada. The Recall Bulletin outlining the repair procedure will be available today on MEDIC and MDL.

Due to the possibility of silicone grease adhering to the stop lamp switch through incidental contact during production, the stop lamp switch could fail, resulting in inoperative brake lamps. Inoperative brake lamps may fail to notify a following vehicle of the operator's intent to decrease speeds.

Dealers are requested to replace the stop lamp switch with a new part.

Some dealers may be force allocated stock using a formula based on the proximity and percentage of applicable registered VINs by ZIP code. Parts shipments are processed via the 'R' order type and started shipping along with your scheduled stock order beginning Monday, October 13, 2014. Dealers may place additional orders via the MDL. Please refer to Parts Bulletin 35-UT-01-14 for additional information.

Notification letters will be sent to owners of affected vehicles, requesting they contact their local Authorized Mitsubishi dealership to schedule an appointment to have this recall performed.

Affected new vehicle inventory VINs can be reviewed on the Mitsubishi Dealer Link in the Most Recent: Open Campaign List available under the service section of "e-reports". Dealers must review the Warranty Superscreen to confirm if any vehicles in their new or used vehicle inventories are affected, and conduct this campaign prior to delivering them. When checking for applicability of this campaign (C1410T), please check for and complete any other open campaigns. Always get the customer's approval before completing a campaign on a customer owned vehicle."

IMPORTANT

Affected new or used inventory vehicles must be repaired before the vehicle is delivered. Dealers must check their inventory vehicles' VINs on the Warranty Super Screen to verify whether the vehicle is involved in this recall campaign. It is a violation of Federal law for a dealer to deliver a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by the notification under a sale or lease until the defect or noncompliance is remedied. **RANDOM ALERTS FROM PARK ASSIST** — 2014–15 Outlander, 2013–15 Outlander Sport/RVR. If a customer reports that he hears beeping from the front or rear park assist when there appears to be nothing to trigger an alert, it may be due to water on the sensors' surface. During rain or after washing, water on the surface of a sensor may be determined to be an object, and cause false readings. Refer to the Front Park Assist owner's manual for troubleshooting assistance. It should have been placed in the glovebox of the vehicle as part of the installation process.

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REAR VIEW CAMERA GUIDE LINES NOT <u>VISIBLE IN NAVI DISPLAY</u> — 2014-15 with *MMCS Navigation.* There have been cases where customers report not being able to see the rear view camera guide lines on the Navi display when they shift to reverse after startup. Here are a couple of points to keep in mind before diagnosing:

- At start up, it may take up to 30 seconds for the system to boot up. The guide lines will not be visible during that time.
- The guide lines can be turned on/off from the "Service" screen using the following procedure.
 - Press and hold the "Settings" and "Map" buttons for approximately 5 seconds to access the "Service" screen.
 - Touch "Camera Setting."
 - Touch the "Line Display" button.
 - Touch "Completion." Lines should be seen.
 - Touch "Cancel" to return to the "Service" menu.
 - Touch Back to return to navigation mode.
 - Shift to "R" to confirm the lines are visible.



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.

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Technical Training Schedule November - December, 2014

Always check the MDL for schedule updates. Mobile Training does not appear on these calendars. Contact your District Parts & Service Manager for information about mobile training in your area.

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East Zone - N.J. Tech Training Center East

East Zone - Atlanta Tech Training Center



West Zone-Dallas Tech Training Center

California Technical Training Center

November						December			November				December						
м	т	w	Th	F	м	т	w	Th	F	м	т	w	Th	F	м	т	w	Th	F
27	28 ES2	29	30	31 /TT		ASCF	3 AB		5 SP3	27	28	29	30	31	1	2	3	4	5
³ [4 -SST	5 SP3	6 ASCF AED	7	8	9	10 MF	11 T2	12	3	4	5	6	7	8	9	10	11	12
10	11	12	13	14	15	16	17	18 ES2	19	10	11	12	13	14	15	16	17 MF	18 IT2	19
	EN1			<u> </u>		AT3	L	ESZ								Ľ			
17	18	19	20	21	22	23	24	25	26	17	18	19	20	21	22	23	24	25	26
	STV	MED2	ME	/117	ME	VTT	н	н	н			AT2		AT3			н	H	н
24	25 C1	26	27 H	28 H	29 H	30 H	³¹ H	Ή	2	24	25	26	27 H	²⁸	29 H	³⁰	³¹ H	Ή	2

	Days	Code	Prerequisites		Days	Code	Prerequisites
Automatic Transaxles				Manual Transaxles			
40/50 Series Diagnosis & Repair	3	AT2T	ATFT1 or ATFWE or ATFB	Manual Transaxles & Transfer Cases	3	MTT	No Prerequisites
50 Series 5-speed Diagnosis & Repair	1	AT3	AT2T	Twin Clutch Sportronic Shift Transmission	2	TC-SST	AESP, ES1, ES2, STV3,
CVT Diagnosis &Repair	2	CVTT	ATFT1 or ATFWE or ATFB				MED2, MED3, ATFWE, MTT
Brakes		Vehicle Specific					
Antilock Brakes	2	ABS2	ES1	Eclipse Spyder Convertible Top (Top Stack)	1	SP3	No Prerequisites
Electrical Systems				2014 Outlander Technology	1	141	ES1, MED2, MED3, STV3
Electrical Systems 2	3	ES2	ES1	Mitsubishi Electric Vehicle Technician Training	2	MEVTT	AESP, ES1, ES2, STV3,
Electrical Systems 3	2	ES3	ES1				MED2, MED3, 120
Engine Performance							
Advanced Emission Diagnosis	3	AED	ES1, STV3, MFIT2	Vehicle Diagnostics			
Engine Technology & Diagnosis	3	EN1	No Prerequisites	Advanced Electronic Service Procedures	-	AESP	No Prerequisites
Multiport Fuel Injection	4	MFIT2	ES1, STV3	Advanced Safety & Convenience Features	1	ASCF	ES1, MED2, MED3, STV3
Heating & A/C Systems				MEDIC II	1	MED2	No Prerequisites
Climate Control	2	CC1	MACW, ES1, MED2, MED3, STV3	Scan Tool Viewer (MUT-III)	1	STV3	No Prerequisites

NEWS:

DiamondPro: Remember to review your DiamondPro status to make sure you're up to date on all of the requirements to maintain your current DiamondPro level or achieve the next level. Schedule any missing classes and complete the quarterly quizzes. Waiting until the last minute can cause you to miss out.

Also, go into your Academy profile and make sure it is updated with your ASE identification number. If it is not entered or not entered correctly, you will not receive credit for your ASE status, which is an important component of your Diamond Pro status.

Northtowne Mitsubishi, Kansas City, MO

This column spotlights a different high scoring CSI dealer every quarter.



(L-R): Mike Hicks (Service Mgr.), Ryan Latondress (Service Technician), Ron Laundy (Parts Mgr.), Dave Tuggle (Service Advisor), Nick Galetti, (General Mgr.), Mike Villanueva (Service Technician). Not shown: Matt Gurley

Northtowne Mitsubishi in Kansas City, MO is dedicated to customer satisfaction. Service Manager Mike Hicks strongly believes that greeting customers with a positive attitude and creating a friendly environment are the main reasons customers score them so high. Customers also give them high scores for having their vehicle completed and returned in a timely manner. Mike's staff monitor the dealer's CSI scores daily, and follow up on any areas that could be improved. Because Northtowne's Fixed Operations staff is small, parts and service work together

Spotlight On....

September, 2014 3–MONTH CSI SCORES								
	National	Northtowne						
CSI SCORE	947	991						
how likely are you t recommend this deal- ership for service.		991						

to ensure things run smoothly. When it gets busy, the sales staff steps up to help in any way they can.

Mike and Service Advisor Dan Tuggle greet customers promptly, discuss their current needs, and answer any questions, all while maintaining the positive, friendly approach that lets the customer know they care. Service Technicians Ryan Latondress and Mike Villanueva make up the technical staff. They understand that each customer expects Northtowne's service department to keep their vehicle in top shape. Ryan and Mike know they are the the ones to make that expectation a reality. The Parts Department is run by Ron Laundy and Matt Gurley. They make sure the technicians have the parts they need by keeping the inventory current and placing special orders when necessary. In a small dealership, special orders occur frequently and keeping track of them is an important part of completing repairs as quickly as possible.

Mike states that since he instituted the Computer Vehicle Inspection Report (CVIR), customers report that they have a better understanding of what's going on with their vehicle, and what they need to do to keep it running at it's best. He says "Because of the way CVIR is presented, customers don't feel like things are being forced upon them all at once. Because each inspection item is color coded to display if the item is urgent, it's easy for the customer to understand which items should be considered for immediate attention. It helps them prioritize what needs to be done now, and what can be addressed in the near future." Northtowne applies the CVIR to the maintenance schedule, creating a tool that lets customers know what they might expect at their next service. This has helped increase routine maintenance sales, and increased overall service and parts business.

According to Mike, "We don't let our small staff affect our goal of supplying first class service for first class customers. One customer's positive word of mouth endorsement about the way we treat our customers and their vehicle helps bring in new customers which increases parts, service and sales business." Northtowne's priorities of respecting the needs of the customer and ensuring their vehicle gets the best treatment it can, has helped them develop a loyal, repeat customer base. Thanks to Mike Hicks and everyone at Northtowne for all you do, and congratulations on a job well done.

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MEDIC Information	or software issues. Call TECH	<u>LL MEDIC & Scan Tool hardware</u> ILINE for vehicle technical issues. - 6354 Reflash Database – N14081
	MEDIC 3 Version – 3.2	MEDIC 3 Update – 295
MEDIC Hotline (800) 846-7575	MUT-III Version - 31.0.1	Raider Scan Tool Version - 6.0

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The following information was recently released:

Number	Title	Vehicles	Subject
SC-14-003	2012 i-MiEV Undercarriage Rust - Service Campaign	2012 i-MiEV	Advises dealers to inspect certain ground bolts and undercarriage for rust. Clean and treat with anti-corrosion wax.
SC-14-004	Lancer Passenger Airbag – Special Service Campaign	2004-05 Lancer	Instructs dealers to replace the passenger's side air bag inflator & return it for testing.
SR-14-007	2010-14 i-MiEV Brake Vacuum Pump - Safety Recall Campaign	2010-14 i-MiEV	Instructs dealers to update the EV-ECU and replace the brake vacuum pump on certain vehicles.
SR-14-008	2011 Outlander Sport/RVR Brake Booster – Safety Recall Campaign	2011 Outlander Sport (2 vehicles)	Instructs dealers to inspect the brake booster and replace suspect parts.
SR-14-009	4B1 Engine Drive Belt Detachment - Safety Recall Campaign	2008-11 Outlander (2.4L), Lancer, Lancer Evolution, 2009-11 Lancer Sportback, 2011 Outlander Sport	Instructs dealers to replace the engine drive belt, inspect the idler pulley and auto-tensioner and replace them if necessary.
SR-14-010	Outlander Stop Lamp Switch - Safety recall Campaign	2007-09 Outlander	Instructs dealers to replace the stop lamp switch with a new part.
TSB-14-23-002	Parts Restriction "209 - Product Support for CVT Assemblies	2008-15 Lancer, Lancer Sportback, Outlander, 2011-14 Outlander Sport	Advises dealers that CVT assemblies must be diagnosed with Techline's assistance before parts can be released.
TSB-14-31-001	Tire Chain Usage for 2015 Models	All 2015 models	Advises dealers that tire chains cannot be used on 2015 models.
TSB-14-33-004	Front Suspension Stiffener Added – SMR	2014-15 Outlander	Adds instructions omitted from the service manual regarding a front strut reinforcement.
TSB-14-42A-004	Front Suspension Stiffener Added – SMR	2014–15 Outlander	Adds instructions omitted from the service manual regarding a front strut reinforcement.
TSB-14-54-002REV	Traction Battery Energy Level Gauge Diagnosis - SMR	2012-14 i-MiEV	Revises diagnosis when the energy level gauge does not display "Fully Charged."

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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*)