In This Issue

Vehicle Technical Info

NOTE: The ✔ mark indicates an article is being repeated from a previous issue of Tech Talk due to the subject's importance.

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GROUP 00 – General

TURN BLIND SPOT WARNING (BSW) SYSTEM OFF WHEN TOWING —
2017 Outlander.

Dealers should inform customers that the Blind Spot Warning system should be set to OFF when towing a trailer, as instructed in the Owner's Manual. Customers should also be informed that turning off the BSW system also turns off the Rear Cross Traffic Alert (RCTA) at the same time.

Location of Blind Spot Warning (BSW) Switch

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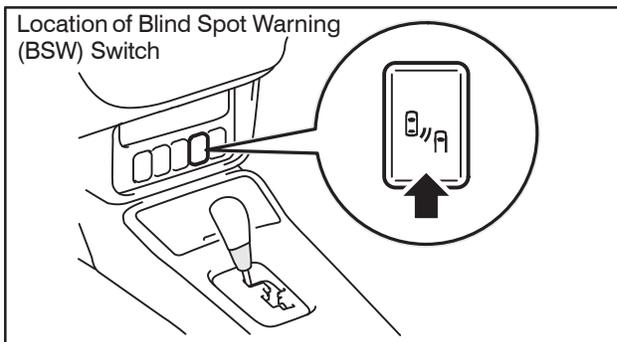
GROUP 31 – Wheel and Tire

✔ *PHOTO REQUIRED CONDITION (PRC) FOR TPMS SENSOR REPLACEMENT —* *2014-17 Mirage and 2017 Mirage G4.*

NOTE: This article is being reprinted to add 2017 model year Mirage and Mirage G4 vehicles.

If you replace a TPMS sensor on any 2014 - 2017 Mirage or 2017 Mirage G4 you are required to submit a photo to the PRC. The photo needs to show whether or not the TPMS sensor (body) was attached to the wheel (valve stem) when the tire was dismounted.

NOTE: Below is an example of the type of photo required by the supplier in order to perform further analysis.

Example PRC Photo

TPMS Transmitter   Bulb   Valve Core   Cap
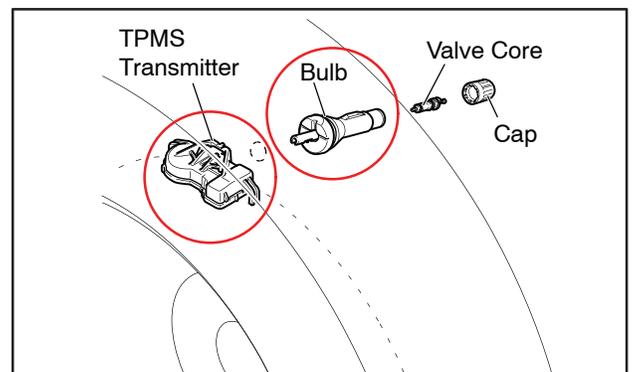
In addition to posting the photo, please report the failure DTC(s) on the PRC report, and add a comment describing whether or not the tire had ever been dismounted prior to this service (e.g., YES – The tire was dismounted prior to this service, or NO – the tire was never dismounted prior to this service). If it is not apparent that the tire was previously dismounted, the customer should be able to provide that information. MMNA will issue a Warranty Parts Return Request for all replaced (Mirage) TPMS sensors (which includes the valve stem and bulb in addition to the sensor body).

Once returned, the TPMS sensors will be combined with their respective PRC photos and forwarded to the supplier for analysis. Please continue posting the TPMS sensor photos to the PRC until a cancellation notice is published by MMNA headquarters. Upload PRC photos into the category titled "TPMS Sensors in Wheel Photos."

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GROUP 36 – Parking Brake

TIN–16–36–001: DTCs SET IN ELECTRIC PARKING BRAKE ECU — *Certain 2017 Outlander with F.A.S.T. Key and Electric Parking Brake.* TIN–16–36–001 was recently sent to dealers and states:

"During Port operations, the IOD (Ignition Off Draw) is pulled out (not inserted) and the engine switch (push–start button) is cycled from OFF to ACC to ON (brake pedal not depressed) and back to OFF, or cycled from OFF to ACC to ON (brake pedal depressed to start the engine) and back to OFF.

Due to some programming in the Electric Parking Brake system, DTCs can be set under these conditions. No warning lights are illuminated and no other issues occur with these DTCs.

- B1762 (IOD fuse not seated fully) can be set as an Active DTC under ETACS
- U0141 (ETACS CAN timeout) or U0415 (ABS/ASC CAN Message) can be set as Stored DTCs under EPB (Electric Parking Brake).

After the IOD (Ignition Off Draw) is fully inserted, B1762 (IOD fuse not seated fully) is no longer detected, but U0141 (ETACS CAN timeout) remains as a Stored DTC under EPB (Electric Parking Brake) and DTC U0415 (ABS/ASC CAN Message) could remain as a Stored DTC under EPB (Electric Parking Brake) as well.

If DTC U0141 and/or U0415 are the only DTCs retrieved under the EPB (Electric Parking Brake) system during normal vehicle service at the dealership, DO NOT perform any unnecessary diagnostic repairs for these DTCs. Perform an "all DTC" check and erase with MUT–III SE to address this concern. If, however, the same DTCs return, then perform the necessary diagnostics per the Service Manual procedures."

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GROUP 52A – Interior

FRONT SEAT BELT STOPPER BUTTON AVAILABILITY — *2013–15 Outlander Sport/RVR.*

In addition to the outer rear seat belt stopper button being available as service P/N 7000A360, MMNA has established P/N 7000F293 as the front seat belt stopper button service part. This new service part should be available soon, look for additional details in an upcoming publication.

FELT TAPE TO BE APPLIED WHEN REPLACING CERTAIN FRONT SEAT COMPONENTS — *2011–15 Outlander Sport/RVR.*

When removing and replacing certain front seat components on Outlander Sport/RVR vehicles a tape kit should be provided with the following front seat parts (ASA–CAPS PNC numbers included for reference):

- Front Seat Adjuster:
  75604R, 75602L, and 75608L.
- Front Seat Cushion Assembly:
  75004AR and 75004AL.
- Front Seat Back Assembly:
  75001AR and 75001AL.

If additional tape is required, p/n 6979A320 may be obtained. This application may be used on both driver and passenger front seats.

Apply the felt tape as follows.

1. Clean off any oil before applying tape.
2. Apply tape from the front edge in the side frame to the rear edge of the frame as shown. Make sure tape is firmly adhered to the frame.
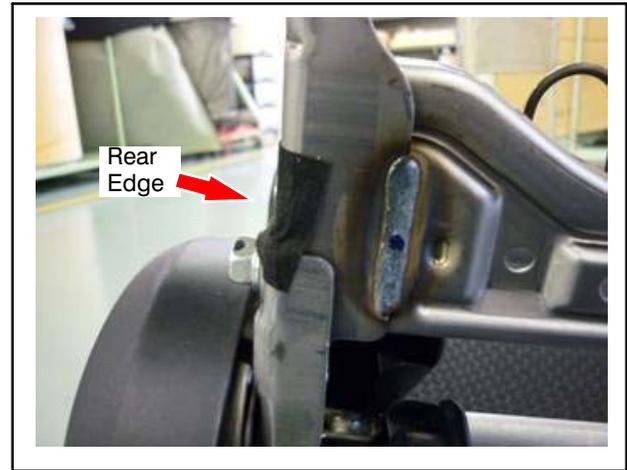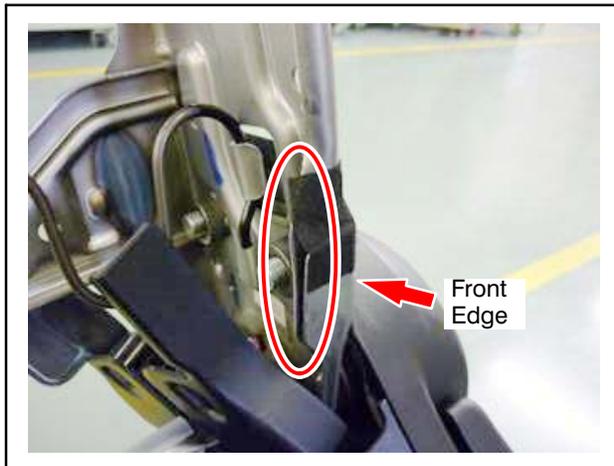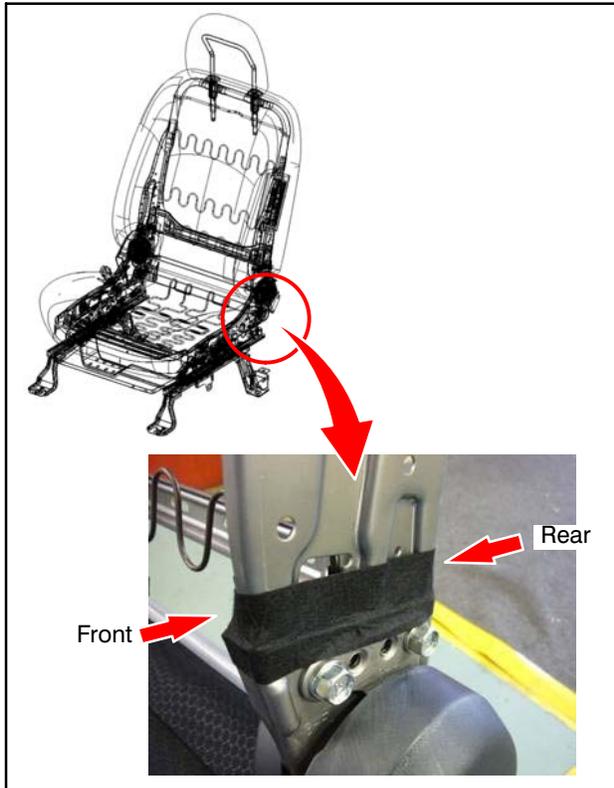
GROUP 52B – Supplemental Restraint System

✏ *DTC B223D OR B1558 FOUND IN SRS–ECU MEMORY* — *2012–17 i–MiEV, 2008–16 Lancer, 2009–16 Lancer Sportback, 2008–15 Lancer Evolution, 2014–17 Mirage, 2017 Mirage G4, 2007–16 Outlander, 2011–16 Outlander Sport/RVR.*

The subject DTCs are set when the Occupant Classification Module (OCM) communicates a fault to the SRS–ECU. If you find either B223D or B1558 in SRS–ECU memory, the Service Manual will tell you to check for OCM DTCs.

As the code that identifies what you diagnosed and repaired, record the OCM DTC in the "DTC" field on the "Labor" page when submitting a warranty claim. Knowing the root cause of a fault, identified in this case by the OCM DTC, helps MMNA and MMC with their investigations, which helps them quickly develop countermeasures when needed.

CLOCK SPRING NOISE — *2013–15 Outlander Sport/RVR.*

The investigation on clock spring noise when turning the steering wheel as identified in Tech Talk articles 211–52B–001 (August 2014) and 216–52B–001 (February 2015) has concluded. If you encounter this condition, please refer to TSB–16–37–001 for repair information.

GROUP 54 – Chassis Electrical

✔ *AFTER–MARKET HEAD LAMPS / TAIL LAMPS* — *2013–15 Outlander Sport/RVR.*

MMNA Warranty is experiencing an unusually high return of after–market head lamps and tail lamps. "Stanley Corporation" is inscribed on original Mitsubishi (OEM) parts. The inscription is located on the lower front lens of the head lamp, and on the rear mounting surface of the tail lamp. Any other manufacturer markings indicate an after–market part that cannot be repaired under warranty. Returned after–market parts that were improperly claimed will be debited to the dealer.

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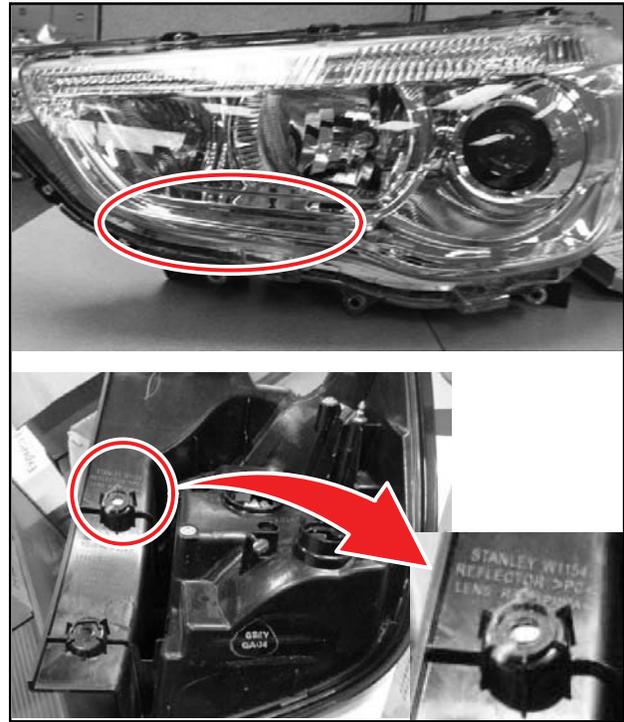
GROUP 00 – General: TINs Released on New MUT–III SE Scan Tool Software

NOTE: The following TINs were released to dealers to introduce the new MUT–III SE software and explain the functionality of this new version at your dealership. The second TIN provides useful tips for technicians.

These TINs can also be found on MDL: service / service tech resources / TSBs & Recalls by Model / TSB List (98–Present) / TSB List – 2016. (Technical Information Notices are listed at the bottom, Sort by TSB Number.)

TIN–16–00–002: MUT–III SE SCAN TOOL SOFTWARE — *All models.*

TIN–16–00–002 was emailed to all dealers on July 29, 2016 and states:

> "Mitsubishi will launch our latest scan tool software version, MUT–III SE (Second Edition) on August 1, 2016. SE provides many advantages over MUT–III – including automatic VIN reading and faster processing speed – increasing your technician efficiency! SE is included on your MEDIC4 computer (Toughbook® or Toughpad®) on its own tab and used to diagnose certain past and present as well as all future vehicle systems.
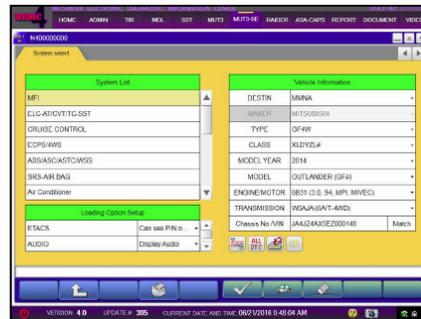
The majority of diagnosis will now be conducted using MUT–III SE with full software implementation expected in the near future.

- The **RAIDER** scan tool remains unchanged and accessed on its own tab in MEDIC4.
- **ECU Reprogramming** continues to be performed with MUT–III for the foreseeable future.
- Oscilloscope and multi–meter functions are still supported with MUT–III and the VCI.

Refer to the attached documents which illustrate unique circumstances where MUT–III will be used instead of MUT–III SE. To provide your technicians ready access to this information in a format suitable for the shop environment, laminated copies of the usage and PS charts have been mailed to the dealership service manager.

MUT–III SE will assist your dealership in fulfilling our "Customer First" philosophy and enable your technicians to fix customer vehicles right the first time and on time."

MUT-III and VCI Usage Chart

VEHICLE	PLATFORM	LAUNCH	END	MUT-III Version
3000GT	R24	1990	1999	MUT-III + VCI-Lite
3000GT SPYDER	R28	1995	1996	(A/C, SRS, Cruise Control need VCI)
DIAMANTE	J42	1989	1996	MUT-III + VCI
	YR42	1996	2004	MUT-III + VCI-Lite (A/C, SRS, Cruise Control, SWS need VCI)
DIAMANTE WAGON	J45	1993	1995	MUT-III + VCI
ECLIPSE	H24	1988	1994	MUT-III + VCI
	F24S	1994	1999	MUT-III + VCI-Lite (SRS, Cruise Control need VCI)
	F28	1994	1998	MUT-III + VCI-Lite (SRS, Cruise Control need VCI)
	ST24S / ST28	1999	2005	MUT-III + VCI-Lite (SRS, Cruise Control, SWS need VCI)
	PS24S / PS28 * (see PS chart)	2005	2012	MUT-III + VCI-Lite (SWS need VCI) and MUT-III-SE + VCI-Lite
ENDEAVOR	PSU * (see PS chart)	2003	2011	MUT-III + VCI-Lite (SWS need VCI) and MUT-III-SE + VCI-Lite
EXPO	CZL	1991	1996	MUT-III + VCI
EXPO-LRV	CZ	1991	1994	MUT-III + VCI
GALANT	YF41	1983	1987	MUT not supported
	H41	1988	1993	MUT-III + VCI
	F41	1993	1998	MUT-III + VCI-Lite (SRS, Cruise Control need VCI)
	ST41	1998	2003	MUT-III + VCI-Lite (SRS, Cruise Control, SWS need VCI)
	PS41 * (see PS chart)	2003	2012	MUT-III + VCI-Lite (SWS need VCI) and MUT-III-SE + VCI-Lite
GALANT-SIGMA	YF42	1987	1990	MUT not supported
I-MiEV	TQ-MiEV	2012	CURRENT	MUT-III-SE + VCI-Lite
LANCER	JT41	2001	2006	MUT-III + VCI-Lite (Cruise Control, SWS need VCI)
	GS41	2007	CURRENT	MUT-III-SE + VCI-Lite
LANCER EVO.	JTEVO	2001	2005	MUT-III + VCI-Lite (Cruise Control, SWS need VCI)
	JTEVO	2005	2006	MUT-III + VCI-Lite (Cruise Control, SWS need VCI)
	GSEVO	2007	CURRENT	MUT-III-SE + VCI-Lite
LANCER SPORTBACK	JT45	2003	2004	MUT-III + VCI-Lite (Cruise Control, SWS need VCI)
	GS44S	2009	CURRENT	MUT-III-SE + VCI-Lite
MIRAGE	LA	1983	1988	MUT not supported
	C41D	1991	1992	MUT-III + VCI
	C2441	1988	1992	MUT-III + VCI
	E2141	1992	1996	MUT-III + VCI
	MG21	1996	2002	MUT-III + VCI-Lite (SRS, Cruise Control need VCI)
	MG41	1996	2002	MUT-III + VCI-Lite (SRS, Cruise Control need VCI)
	EL and ELL	2014	CURRENT	MUT-III-SE + VCI-Lite

MUT-III and VCI Usage Chart (continued)

VEHICLE	PLATFORM	LAUNCH	END	MUT-III Version
MIGHTY MAX	SH27	1988	1995	MUT-III + VCI
MONTERO	SJ	1983	1991	MUT not supported
	Q45	1991	1999	MUT-III + VCI-Lite (SRS, Cruise Control need VCI)
	CK45	2000	2002	MUT-III + VCI-Lite (A/C, Cruise Control, SWS need VCI)
MONTERO SPORT	P45	1996	2004	MUT-III + VCI or VCI-Lite (SRS, Cruise Control, SWS need VCI)
OUTLANDER	NQZ	2002	2006	MUT-III + VCI-Lite (A/C, Cruise Control, SWS need VCI)
	GS45X	2007	2013	MUT-III-SE + VCI-Lite
	RE45	2014	CURRENT	MUT-III-SE + VCI-Lite
OUTLANDER SPORT	ZC45X	2011	CURRENT	MUT-III-SE + VCI-Lite
PRECIS	PRX3	1989	1994	MUT not supported
RAIDER	NM	2005	2009	RAIDER + VCI-Lite
STARION	YDC	1983	1989	MUT not supported
TREDIA/CORDIA	NF41	1983	1987	MUT not supported
TRUCK	SP	1983	1986	MUT not supported
	PB	1986	1996	MUT not supported
VAN-WAGON	DE	1986	1990	MUT not supported

Specific PS Vehicles, MY, and Systems Requiring MUT-III

Vehicle	MY	System
ENDEAVOR	2006	MFI
ENDEAVOR	2006	IMMOBILIZER
ENDEAVOR	2006	ELC-AT/CVT/TC-SST
ENDEAVOR	2006	TCL/STABILITY CONTROL
ENDEAVOR	2006	CRUISE CONTROL
ENDEAVOR	2006	ABS/ASC/ASTC/WSS
ENDEAVOR	2006	SRS-AIR BAG
ENDEAVOR	2006	Air Conditioner
ENDEAVOR	2006	SWS
ENDEAVOR	2006	ETACS
ENDEAVOR	2006	TPMS
ENDEAVOR	2006	Meter
ENDEAVOR	2006	Display
ENDEAVOR	2006	Steering Angle Sensor
ENDEAVOR	2007	TCL/STABILITY CONTROL
ENDEAVOR	2007	ABS/ASC/ASTC/WSS
ENDEAVOR	2007	Air Conditioner
ENDEAVOR	2007	SWS
ENDEAVOR	2007	Display
ENDEAVOR	2007	Steering Angle Sensor
ENDEAVOR	2008	TCL/STABILITY CONTROL
ENDEAVOR	2008	ABS/ASC/ASTC/WSS
ENDEAVOR	2008	Air Conditioner
ENDEAVOR	2008	SWS
ENDEAVOR	2008	Display
ENDEAVOR	2008	Steering Angle Sensor
ENDEAVOR	2009	TCL/STABILITY CONTROL
ENDEAVOR	2009	ABS/ASC/ASTC/WSS
ENDEAVOR	2009	Air Conditioner
ENDEAVOR	2009	SWS
ENDEAVOR	2009	Display
ENDEAVOR	2009	Steering Angle Sensor
ENDEAVOR	2010	ABS/ASC/ASTC/WSS
ENDEAVOR	2010	Air Conditioner
ENDEAVOR	2010	SWS
ENDEAVOR	2010	Display
ENDEAVOR	2010	Steering Angle Sensor
ENDEAVOR	2011	ABS/ASC/ASTC/WSS
ENDEAVOR	2011	Air Conditioner
ENDEAVOR	2011	SWS
ENDEAVOR	2011	Display
ENDEAVOR	2011	Steering Angle Sensor

Vehicle	MY	System
GALANT	2006	SWS
GALANT	2006	TPMS
GALANT	2007	SWS
GALANT	2007	Display
GALANT	2008	SWS
GALANT	2008	Display
GALANT	2009	SWS
GALANT	2009	Display
GALANT	2010	SWS
GALANT	2010	Display
GALANT	2010	Steering Angle Sensor
GALANT	2011	SWS
GALANT	2011	Display
GALANT	2011	Steering Angle Sensor
GALANT	2012	SWS
GALANT	2012	Display
GALANT	2012	Steering Angle Sensor

Vehicle	MY	System
ECLIPSE	2006	SWS
ECLIPSE & SPYDER	2007	SWS
ECLIPSE & SPYDER	2008	SWS
ECLIPSE & SPYDER	2008	Steering Angle Sensor
ECLIPSE & SPYDER	2009	SWS
ECLIPSE & SPYDER	2009	Steering Angle Sensor
ECLIPSE & SPYDER	2010	SWS
ECLIPSE & SPYDER	2010	Steering Angle Sensor
ECLIPSE & SPYDER	2011	SWS
ECLIPSE & SPYDER	2011	Steering Angle Sensor
ECLIPSE & SPYDER	2012	SWS
ECLIPSE & SPYDER	2012	Steering Angle Sensor

Questions and Answers

Q: How do I start MUT-III SE?
A: Confirm neither MUT-III nor RAIDER scan tools are running. Touch the MUT3-SE tab in MEDIC4 to start MUT-III SE.

Q: After I exit MUT-III SE, a blank screen remains displayed. What do I do now?
A: Touch the MEDIC4 HOME tab to continue. Once the HOME screen is displayed, any MEDIC4 function can be selected.

Q: After I exit MUT-III, how long does it take before I see the MEDIC4 HOME screen?
A: Wait for the MEDIC4 HOME screen to automatically display in about 30 seconds.

Q: When I open a diagnosis function within MUT-III SE, it displays that function on a new tab. Can I switch between these tabs at will?
A: Yes

Q: I remember a Job Aid was available for MUT-III to remind me of icon/button functions. Is there a similar Job Aid for MUT-III SE?
A: No, but if the mouse cursor is hovered over the icon/button, a screen tip is displayed with its definition. If a mouse is not connected to the Toughpad®, press and hold the icon/button until the screen tip is displayed then slide your finger away from the icon without removing your finger from the screen. Doing this prevents activating the function when only the definition is desired.

Q: How will I know which systems cannot be diagnosed with MUT-III?
A: MUT-III SE should be used as the primary scan tool for all Mitsubishi vehicles (except RAIDER). Systems that require MUT-III to diagnose will be greyed-out on the System Select screen. (See EXAMPLE 1 on page 6.)

Q: How will I know which systems to diagnose with MUT-III SE?
A: If MUT-III is connected to a vehicle which requires MUT-III SE, a dialog box appears alerting the technician to switch scan tools. (See EXAMPLE 2 on page 6.) Be certain to select the cancel button in the dialog box, not the check mark. If the check mark is accidentally selected, the computer may lock up requiring MEDIC4 to be restarted.

Q: Am I able to use the MUT-III oscilloscope and multi-meter with MUT-III SE?
A: No. If these tools are needed, use MUT-III and the VCI.

Q: I can't change the numeric MIN and MAX values while using the Data List function in MUT-III SE.
A: This will be corrected in a future enhancement of MUT-III SE.

Q: Where is the All DTC check? With MUT-III it was located in Special Function.
A: All DTC check, CAN Bus check, ECU Reprogramming, and Special Function are small icons located below the VIN on the System Select screen in MUT-III SE.

Q: Why did a recent TSB tell me to use MUT-III to reprogram an ECU instead of MUT-III SE?
A: Currently, ECU re-flashes will be performed with MUT-III only.

Q: Why is the All DTC icon on the System Select screen sometimes greyed-out?
A: When connected to certain vehicles, MUT-III SE displays the Loading Option Setup menu located beneath the Systems List. If the All DTC icon is greyed-out, not all selections have been completed in the Loading Option Setup menu. Scroll down to ensure all selections are made.

Q: Can I continue to use MUT-III only?
A: No. Late model vehicles will require MUT-III SE.

MUT-III SE and MUT-III Screen Displays
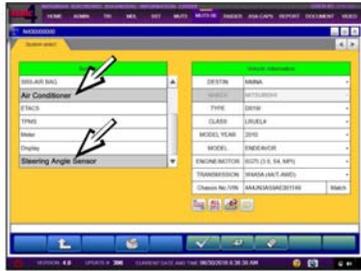
EXAMPLE 1:
In this example, MUT-III SE is connected to a 2010 Endeavor. Systems diagnosed with MUT-III (Air Conditioner and Steering Angle Sensor, for example) are greyed-out on the MUT-III SE System List. If diagnosising one of these systems, the technician should close MUT-III SE completely and use MUT-III to continue.

EXAMPLE 2:
If diagnosis requires MUT-III SE but MUT-III is used instead, a dialog box alerts the technician to exit MUT-III completely and use MUT-III SE.

Touch the X (cancel button) to clear the dialog box.

NOTE: MUT-III SE, MUT-III, and RAIDER cannot run at the same time. Technicians must fully exit one scan tool before starting another.

Loading Option Setup
Due to an ETACS supplier change, technicians must confirm they can see the **ETACS P/N** laser etched on the **ETACS assembly** when completing the Loading Option Setup menu for the following vehicles. See pages 7-11 for details.
- 2008-2017 Lancer
- 2009-2017 Lancer Sportback (Canada only)
- 2009-2015 Lancer Evolution
- 2011-2017 Outlander Sport/RVR
- 2007-2013 Outlander
- 2014-2016 Outlander

This applies to replacement ETACS assemblies as well as original equipment parts.

6

ETACS

DIAGNOSIS FUNCTION

M1545001000418

HOW TO READ DIAGNOSIS CODE
Refer to GROUP 00 – How to use troubleshooting/Inspecrion service point –Diagnosis function .

HOW TO ERASE DIAGNOSIS CODE
Refer to GROUP 00 – How to use troubleshooting/inspection service points – Diagnosis function .

Precautions on system select screen
Before using the diagnosis function for ETACS, observe the steps below on "System Select" screen:

ACG02037

1. Select "ETACS."

⚠ **CAUTION**
When you select a wrong item, you cannot obtain a proper result. A part number (laser marking) must be visible in the area shown on the ETACS-ECU.

Laser Marking

ACG00977AC

OK button

ACG02038AB
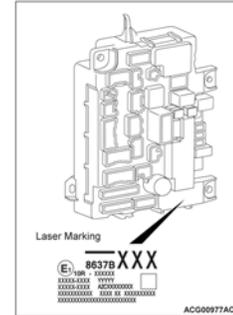
2. When you activate "ETACS" in "Loading Option Setup", you can select "Can see P/N on ECU body" or "Can't see P/N on ECU body." If the laser marking is visible, select "Can see P/N on ECU body." If not, select "Can't see P/N on ECU body."
3. Confirm with the OK button to proceed to a diagnosis function screen.

7

LOCAL INTERCONNECT NETWORK (LIN) DIAGNOSIS

DIAGNOSIS FUNCTION

M1545104200184

HOW TO READ DIAGNOSIS CODE
Refer to GROUP 00 – How to use troubleshooting/Inspecrion service point –Diagnosis function .

HOW TO ERASE DIAGNOSIS CODE
Refer to GROUP 00 – How to use troubleshooting/inspection service points – Diagnosis function .

Precautions on system select screen
Before using the diagnosis function for LIN, observe the steps below on "System Select" screen:

ACG02040

1. Select "LIN."

⚠ **CAUTION**
When you select a wrong item, you cannot obtain a proper result.
A part number (laser marking) must be visible in the area shown on the ETACS-ECU.

Laser Marking

ACG00977AC

OK button

ACG02041AB
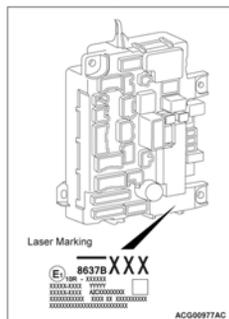
2. When you activate "LIN" in "Loading Option Setup", you can select "Can see P/N on ECU body" or "Can't see P/N on ECU body." If the laser marking is visible, select "Can see P/N on ECU body." If not, select "Can't see P/N on ECU body."
3. Confirm with the OK button to proceed to a diagnosis function screen.

8

TIRE PRESSURE MONITORING SYSTEM (TPMS) DIAGNOSIS

DIAGNOSIS FUNCTION

M1311002600179

HOW TO READ DIAGNOSIS CODE
Refer to GROUP 00 – Diagnosis function .

HOW TO ERASE DIAGNOSIS CODE
Refer to GROUP 00 – Diagnosis function .

Precautions on system select screen
Before using the diagnosis function for TPMS, observe the steps below on "System Select" screen:

ACG01784

1. Select "TPMS."

⚠ **CAUTION**
When you select a wrong item, you cannot obtain a proper result. A part number (laser marking) must be visible in the area shown on the ETACS-ECU.

Laser Marking

ACG00977AC

OK button

ACG02049AB
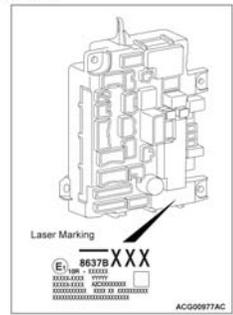
2. When you activate "TPMS" in "Loading Option Setup", you can select "w/o KOS (Can see P/N)" or "w/o KOS (Cannot see P/N)." If the laser marking is visible, select "w/o KOS (Can see P/N)." If not, select "w/o KOS (Cannot see P/N)."
3. Confirm with the OK button to proceed to a diagnosis function screen.

9

KEYLESS ENTRY SYSTEM <Vehicles without keyless operation system>

DIAGNOSIS FUNCTION

M1428001600023

HOW TO READ DIAGNOSIS CODE
Refer to GROUP 00 – How to use troubleshooting/Inspecrion service point –Diagnosis function .

HOW TO ERASE DIAGNOSIS CODE
Refer to GROUP 00 – How to use troubleshooting/inspection service points – Diagnosis function .

Precautions on system select screen
Before using the diagnosis function for the keyless entry system, observe the steps below on "System Select" screen:

ACG02022

1. Select "KOS/IMMO/Keyless."

⚠ **CAUTION**
When you select a wrong item, you cannot obtain a proper result.
A part number (laser marking) must be visible in the area shown on the ETACS-ECU.

Laser Marking

(E) 8637B XXX
ACG00977AC

OK button
ACG02023AB

2. When you activate "KOS/IMMO/Keyless" in "Loading Option Setup", you can select "Keyless (Can see P/N)" or "Keyless (Cannot see P/N)." If the laser marking is visible, select "Keyless (Can see P/N)." If not, select "Keyless (Cannot see P/N)."
3. Confirm with the OK button to proceed to a diagnosis function screen.

10
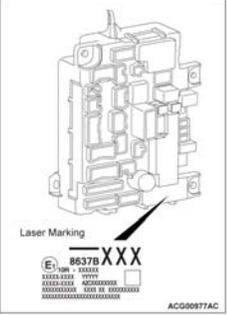
IMMOBILIZER SYSTEM <Vehicles without KOS>

DIAGNOSIS FUNCTION

M1541100600277

HOW TO READ DIAGNOSIS CODE
Refer to GROUP 00 – How to use troubleshooting/Inspecrion service point –Diagnosis function .

HOW TO ERASE DIAGNOSIS CODE
Refer to GROUP 00 – How to use troubleshooting/inspection service points – Diagnosis function .

Precautions on system select screen
Before using the diagnosis function for the immobilizer system, observe the steps below on "System Select" screen:

ACG02022

1. Select "KOS/IMMO/Keyless."

⚠ **CAUTION**
When you select a wrong item, you cannot obtain a proper result.
A part number (laser marking) must be visible in the area shown on the ETACS-ECU.

Laser Marking

(E) 8637B XXX
ACG00977AC

ACG02023AB
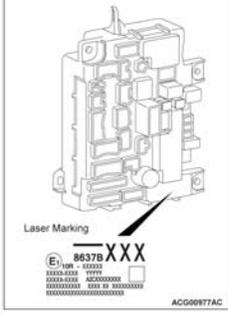
2. When you activate "KOS/IMMO/Keyless" in "Loading Option Setup", you can select "Keyless (Can see P/N)" or "Keyless (Cannot see P/N)." If the laser marking is visible, select "Keyless (Can see P/N)." If not, select "Keyless (Cannot see P/N)."
3. Confirm with the OK button to proceed to a diagnosis function screen.

11

**TIN–16–00–003: MUT–III SE USEFUL HINTS, TIPS, AND PRECAUTIONS** — _All models._

TIN–16–00–003 was emailed to all dealers on September 9, 2016 and states:

"Mitsubishi launched the MUT–III SE (Second Edition) on August 1, 2016. This TIN will provide some useful hints, tips, and precautions when using the various functions on the MUT–III SE.

Helpful Quick Start Tips:

1. Always return to the MUT–III SE home screen prior to working on the next vehicle in order to prevent screen errors.

2. The MUT–III SE Owner's Manual is located on the MUT–III SE home screen (click on the lower left button to open the manual). This same Manual is available on the Techline home screen "How to" button.

   • Additional information on using MUT–III SE is available with these publications – TIN–16–00–002 and Tech Talk volume 222 (released in July 2016).
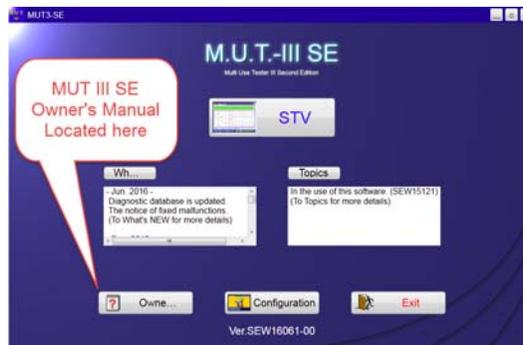
3. ETACS identification in the Loading Option Setup box is required when working on the following vehicle systems. Select "Can't see P/N" or "Can see P/N" before proceeding.

- ETACs replacement and coding
- TPMS registration
- KEYLESS registration
- LIN system diagnosis

Loading Option Setup	
ETACS	(Not selected)
LIN	(Not selected)
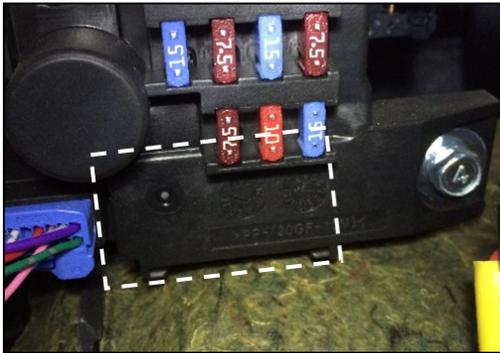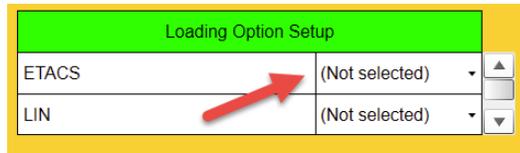
Stamped P/N (select "Can't see P/N")
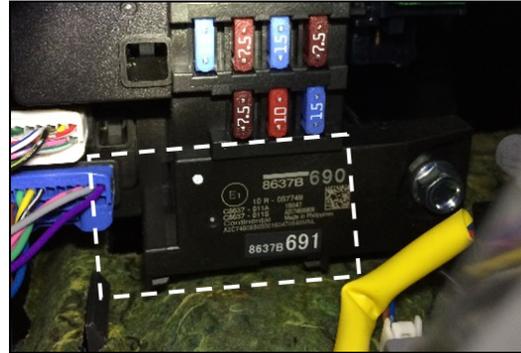
Laser Etched P/N (select "Can see P/N")

4. Make sure you do **NOT** have MUT–III or Raider scan tool open at the same time MUT–III SE is open. Fully exit MUT–III or Raider STV prior to starting MUT–III SE.

5. On 2012 Outlander Sport/RVR and other vehicles equipped with Remote Start that are experiencing KOS programming issues: try unplugging the Mitsubishi Remote Start module and then VIN write to the KOS ECU."

Quick Reference Guide - When to use MUT-III SE vs MUT-III		
Scan Tool	**Procedure**	**Notes / Exceptions**
MUT-III SE with Tablet and VCI Lite only	ETACS, SRS, PCM, TCM, ABS, CVT ECU coding (not reflashes or reprogramming) *	* Coding is not necessary on Galant, Eclipse, Eclipse Spyder, and Endeavor when ECUs are replaced. Only VIN writing is necessary (key registration needed when ETACS or PCM are replaced)
	RKE and KOS key registration	Must select key system type in the Loading Option Box, use the scroll down arrow to find the selection. *Not necessary on Galant, Eclipse, Eclipse Spyder and Endeavor.
	When attempting to enter the key registration password, the keypad is missing (when using the tablet)	Touch the upper left hand corner of the screen to reveal the virtual keyboard. Use keyboard to enter the password.
	OPT screen shows up during coding	The OPT screen may be caused by the following: • The copy or download coded file has not been performed. • The VIN of coding file does not match the vehicle being coded. • Coding file erased during full MEDIC update.
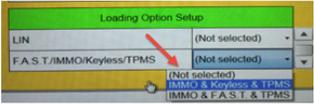
Quick Reference Guide - When to use MUT-III SE vs MUT-III		
Scan Tool	**Procedure**	**Notes / Exceptions**
MUT-III with Toughbook (laptop) and VCI or VCI Lite	All ECU reprogramming / reflashes	PCM, TCM, SST (except Raider)
	Used when communicating with certain systems on Galant, Eclipse, Eclipse Spyder, Endeavor, and older model vehicles.	Refer to the application chart in TIN-16-00-002 and Tech Talk volume 222 or the laminated application chart sent with the paper Tech Talk copies to the dealer's service department for more information.
Twin Clutch SST Transmission Procedures		
MUT-III with Toughbook (laptop) and VCI or VCI Lite	Used for Mechatronics reprogramming (for example: when reflashing a 2008 EVO SST to a 2009 for teach-in purposes)	Applies to both EVO and Ralliart SST
MUT-III SE with Tablet and VCI Lite only	Used for Coding and SST Teach-In	Applies to both EVO and Ralliart SST

MUT-III SE Screen for SST Transmission Coding

Drive Recording		
Scan Tool	**Procedure**	**Notes / Exceptions**
MUT-III SE with Tablet and VCI Lite only	Drive recordings are now performed within each of the individual vehicle systems.	
	Saving a drive recording to a USB memory can be done during the data display of the drive recording. Select file then save it to the removable drive.	Click on the blue arrows to go to the SAVE button after the USB device inserted into the USB port.

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GROUP 60 – Recalls

TIN-16-SR-003-C: CROSS MEMBER CORROSION SAFETY RECALL CAMPAIGN – "REMEDY AVAILABLE" CUSTOMER LETTERS — *Certain 2002 – 2007 Lancer, 2004 Lancer Sportback, 2003 – 2006 Lancer Evolution, 2003 – 2006 Outlander, and 2007 – 2013 V6 Outlander..*

TIN–16–SR–003–C was recently sent to dealers and states:

"Customer letters for the Cross Member Corrosion Safety Recall Campaign are being mailed this week to 2,500 owners, informing them that remedy parts are now available. To help MMNA better understand potential parts demand, only 2,500 "remedy available" letters are being sent at this time. If one of these customers contacts your dealership after receiving this letter, please perform the procedures outlined in SR–16–003 on the affected vehicle.

Owners who were not mailed the "remedy available" letters but believe that their vehicle's cross member exhibits excessive corrosion may still bring their vehicle into an Authorized Mitsubishi Dealership for inspection. If a customer presents their vehicle for inspection, please follow the inspection procedures outlined in SR–16–003.

If you encounter a vehicle which has excessive cross member corrosion, but is not covered under this campaign (i.e., never registered in a salt belt state), contact your DPSM for further directions.
As a reminder, MMNA would like to better understand the severity of the cross member corrosion on vehicles requiring cross member replacement. Therefore, all cross member replacement recall

claims must include photos of vehicle cross members inspected and found to exhibit perforation(s), and those photos must be posted to the Photos Required Condition (PRC) system in the "cross member" category. The photos must be of the cross member still installed on the vehicle, and must clearly show the perforation or the results of the punch test (step 4 of the inspection procedure outlined in Safety Recall Bulletin SR–16–003) indicating the need for replacement, along with other areas of the cross member that exhibit corrosion.

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 (C1609R), please check for and complete any other open campaigns. Always obtain 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 Superscreen 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–16–SR–008–A: HID HEADLAMP HORIZONTAL ADJUSTMENT LOCKING CLIPS NOT SECURED - SAFETY RECALL CAMPAIGN — *2017 Mirage (hatchback) with HID headlamps.*

ATIN–16–SR–008–A was recently sent to dealers and states:

"A non–compliance recall campaign will be released today for certain 2017 Mirage (hatchback) with HID headlamps built between October 28, 2015 and August 4, 2016. Do not deliver any affected 2017 Mirage (hatchback) vehicles with HID headlamps and built between October 28, 2015 and August 4, 2016 until this recall has been performed. The Recall Bulletin outlining the repair procedure will be available today on MEDIC and MDL.

The High Intensity Discharge (HID) headlamps allow for horizontal adjustment during the vehicle assembly process. After assembly, horizontal adjustment locking clips are secured so that no further adjustments can be made. However, HID headlamps on certain 2017 Mirage vehicles were inadvertently shipped without the horizontal adjustment locking clips being secured. This is a non–compliance with FMVSS 108. Without the horizontal adjustment locking clip being secured, the headlight can be adjusted to either reduce the driver's visibility or blind oncoming vehicles. Both conditions can increase the risk of a crash.

Dealers are requested to inspect the HID headlamp adjustment locking clips to ensure that they have been secured. Any locking clip(s) not secured must have photos taken and posted to Photos Required Condition (PRC), and be corrected.

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 (C1610M), please check for and complete any other open campaigns. Always obtain 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 Superscreen 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.

Always check MDL for schedule updates. Since Mobile Training does not appear on the calendars below, contact your District Parts & Service Manager for information about Mobile Training in your area.

EASTERN ZONE

New Jersey Technical Training Center

October

M	T	W	Th	F
3	4	5	6	7
	AED	AED	AED	
10	11	12	13	14
17	18	19	20	21
	MTT2	MTT2	TC-SST	TC-SST
24	25	26	27	28
	MFIT2	MFIT2	MFIT2	MFIT2
31	1	2	3	4
	CC1	CC1	ES3	ES3

November

M	T	W	Th	F
31	1	2	3	4
	CC1	CC1	ES3	ES3
7	8	9	10	11
	ABS2	ABS2	CVTT	CVTT
14	15	16	17	18
			ASCF2	ASCF2
21	22	23	24	25
			H	H
28	29	30	1	2
	MED4	STV4	ASCF	ASCF2

Atlanta Technical Training Center

October

M	T	W	Th	F
3	4	5	6	7
	MFIT2	MFIT2	MFIT2	MFIT2
10	11	12	13	14
		CC1	CC1	ASCF
17	18	19	20	21
24	25	26	27	28
31	1	2	3	4
	MTT2	MTT2	TC-SST	TC-SST

November

M	T	W	Th	F
31	1	2	3	4
	MTT2	MTT2	TC-SST	TC-SST
7	8	9	10	11
14	15	16	17	18
			ASCF2	ASCF2
21	22	23	24	25
			H	H
28	29	30	1	2
	MED4	STV4	ASCF	ASCF2

WESTERN ZONE

Dallas Technical Training Center

October

M	T	W	Th	F
3	4	5	6	7
	MTT2	MTT2		
10	11	12	13	14
	MFIT2	MFIT2	MFIT2	MFIT2
17	18	19	20	21
	MEVTT	MEVTT	TC-SST	TC-SST
24	25	26	27	28
CVTT	CVTT	ASCF		
MED4	MTT2	MTT2	MTT2	
31	1	2	3	4

November

M	T	W	Th	F
31	1	2	3	4
7	8	9	10	11
			ASCF2	ASCF2
	EN1	EN1	EN1	ASCF
14	15	16	17	18
	ASCF	ASCF2 *	ES3	ES3
21	22	23	24	25
	ASCF2	ASCF2	H	H
28	29	30	1	2

* Reserved for ASCF students (November 15) and/or ES3 students (November 17 & 18)

California Technical Training Center

October

M	T	W	Th	F
3	4	5	6	7
10	11	12	13	14
		MTT2	MTT2	
17	18	19	20	21
24	25	26	27	28
31	1	2	3	4

November

M	T	W	Th	F
31	1	2	3	4
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
			H	H
28	29	30	1	2
	ASCF	ASCF2 *	ASCF2	ASCF2

* Reserved for ASCF students from November 29.

	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	MTT2	MTFW, ES1W, ME3W, MED4, STV4
50 Series 5-speed Diagnosis & Repair	1	AT3	AT2T	Twin Clutch Sportronic Shift Transmission	2	TC-SST	AESP, ES1W, ES2, STV4,
CVT Diagnosis &Repair	2	CVTT	ATFT1 or ATFWE or ATFB				ME3W, MED4, ATFWE, MTT2
Brakes				**Vehicle Specific**			
Antilock Brakes	2	ABS2	ES1W	Eclipse Spyder Convertible Top (Top Stack)	1	SP3	No Prerequisites
Electrical Systems				2014 Outlander Technology	1	141	ES1W, MED4, ME3W, STV4
Electrical Systems 2	3	ES2	ES1W	Mitsubishi Electric Vehicle Technician Training	2	MEVTT	AESP, ES1W, ES2, STV4,
Electrical Systems 3	2	ES3	ES1W				ME3W, MED4, 120
Engine Performance				**Vehicle Diagnostics**			
Advanced Emission Diagnosis	3	AED	ES1W, STV4, MFIT2	Advanced Electronic Service Procedures	-	AESP	No Prerequisites
Engine Technology & Diagnosis	3	EN1	No Prerequisites	Advanced Safety & Convenience Features	1	ASCF	ES1W, ME3W, MED4, STV4
Multiport Fuel Injection	4	MFIT2	ES1W, STV4	Advanced Safety & Convenience Features 2	1	ASCF2	ASCF, ES1W, ME3W, MED4, STV4
Heating & A/C Systems				MEDIC4	1	MED4	ME3W
Climate Control	2	CC1	MACW, ES1W, ME3W, MED4, STV4	Scan Tool Viewer 4	1	STV4	No Prerequisites

Bulletin Review

Since Tech Talk 223, the following bulletins have been released.

2016 Technical Service Bulletins, Safety Recalls, & Service Campaigns			
Date Posted	**Publication Number**	**Publication Title**	**Applicable Models**
9/19/2016	SR–16–008	HID Headlamp Horizontal Adjustment Locking Clips Not Secured – Safety Recall Campaign	2017 Mirage
10/4/2016	TSB–16–51–001	Wind Noise from Door Mirror	2015–16 Lancer, Lancer Sportback, & 2015 Lancer Evolution
10/12/2016	TSB–16–51–002	Liftgate Garnish Removal & Installation Procedure – SMR	2016 Outlander
10/12/2016	TSB–16–54–004	Tail Light Removal & Installation Procedure – SMR	2016 Outlander

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TIN/ATIN Review

Since Tech Talk 223, the following TINs/ATINs have been released.

2016 Technical Information Notices, Advance Technical Information Notices			
Date Posted	**Publication Number**	**Publication Title**	**Applicable Models**
9/14/2016	TIN–16–SR–003–C	Cross Member Corrosion Safety Recall Campaign – "Remedy Available" Customer Letters	2002–07 Lancer, 2003–06 Lancer Evolution, 2004 Lancer Sportback, 2003–13 Outlander
9/19/2016	ATIN–16–SR–008–A	HID Headlamp Horizontal Adjustment Locking Clips Not Secured – Safety Recall Campaign	2017 Mirage
10/3/2016	TIN–16–36–001	DTCs Set in Electric Parking Brake ECU	2017 Outlander w/F.A.S.T. Key

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