MITSUBISHI MOTORS

TECH TALK

Volume 228 - February, 2017

In This Issue

- Vehicle Technical Info..... *page 1*
- Training News..... *page 5*
- Techline Information..... *page 6*
- MEDIC Information..... *page 6*
- Bulletin Review..... *page 6*
- 100 Years!!..... *page 7*

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.

GROUP 00 – General

FLOOR MAT SELECTION AND INSTALLATION — *All models.*

All dealership personnel should be aware of the importance of proper floor mat selection and installation. Installing the wrong floor mats or installing floor mats incorrectly can interfere with vehicle acceleration, braking and/or clutch operation, potentially resulting in an accident. Follow the instructions below to prevent pedal entrapment and/or pedal interference.

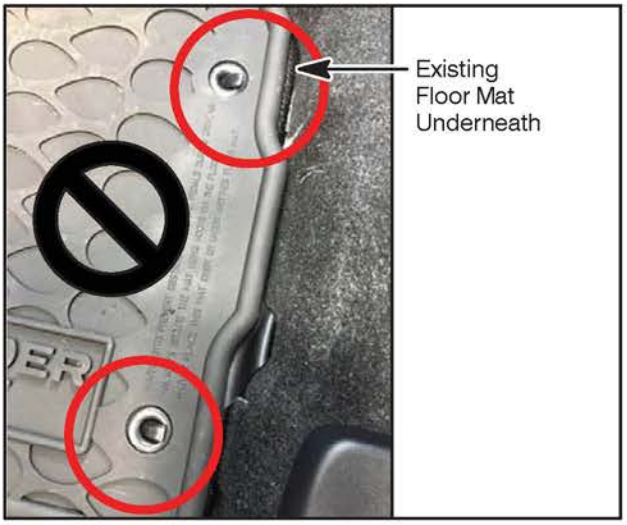
1. Always select a floor mat that is specifically designed to fit the vehicle. Genuine Mitsubishi floor mats are designed for each model vehicle to assure proper fit, with features to assure they will remain in place.

2. **Do NOT** install any floor mat in the driver's position that cannot be secured with a retaining clip, and always position and secure the floor mat with the retaining clip. All Genuine Mitsubishi floor mats accommodate the retaining clips in the vehicle for which they are designed.

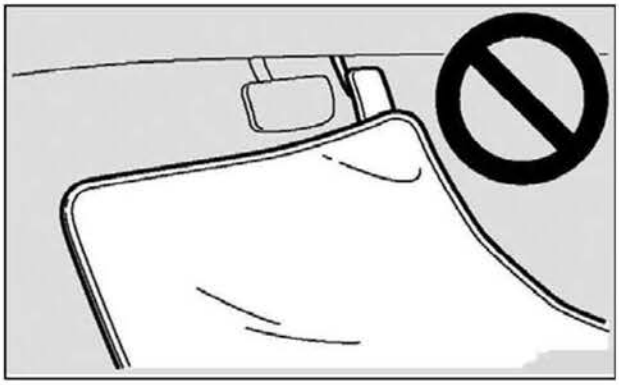
3. **Never install more than one floor mat at a time in the driver's position.** Before installing a new floor mat in the driver's position, always remove any existing floor mat or other carpet protection.

Failure to remove an existing floor mat before installing a new mat decreases the clearance between the mat and the pedals, potentially resulting in pedal entrapment and/or pedal interference.

Even if the new floor mat can be secured with a retaining clip, do NOT install it over an existing mat or other carpet protection.



4. After installing floor mats, always verify proper operation of the accelerator, brake and clutch pedals. Be sure there is sufficient clearance between the pedals and floor mat for normal pedal operation, to prevent pedal entrapment and/or pedal interference.



TIN-17-00-001REV: UPDATE TO MUT-III SE *— All models.*

TIN-17-00-001REV was released recently and states:

> "This TIN is being revised to clarify that K-Line reprogramming will continue to be performed with MUT-III, not MUT-III SE.

A MEDIC update (number M3445) has been posted for MUT-III SE that is designed to improve your technicians' efficiency and productivity. **ALL *CAN* reprogramming will be performed with MUT-III SE, instead of MUT-III**, from this update forward. The reprogramming process with MUT-III SE is much more efficient, and easier to use than MUT-III. Be sure to download this latest update to keep up with the improved features MUT-III SE provides.

K-Line reprogramming will transition to MUT-III SE in the future. Until then, please continue to use MUT-III for reprogramming on all K-Line vehicles.

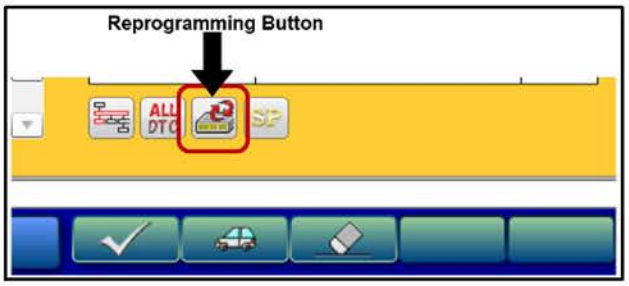
For help identifying K-Line and CAN vehicles, refer to the "Reprogramming System Identification" chart on MDL, under "service –> service tech resources –> Service Related Items –> Worksheets, Questionnaires, Job Aids –> Job Aids." (A copy is also included at the end of this TIN.)

The MUT-III SE reprogramming procedure is very similar to MUT-III, but is much more intuitive with fewer screens to navigate. Below are the initial steps to start a reprogramming procedure.

1. Open the MUT-III SE main page, and click the "STV" button.

2. Make all appropriate selections in the System Select screen. Notice that more vehicle information is filled in automatically.

3. Click the Reprogramming button.



4. Click "ECU Reprogramming (SDB)," then follow all screen prompts as before with MUT-III."

GROUP 13 – Fuel

DTCs P0420 & P0421: PROPER CATALYST DIAGNOSIS AND PART IDENTIFICATION — *2013–15 Outlander Sport/RVR.*

MMNA is investigating catalytic converter DTCs and noted confusion in DTC recording and in some cases incorrect parts replaced. The following table is a simplified version of the DTC, model application, and monitored catalyst. Please confirm in CAPS the proper part number by using the individual vehicle's VIN.

MODEL YEAR	ENGINE	DTC	MONITORED CATALYST LOCATION
2013	2.0 L	P0420	Center Pipe
2014		P0421	Exhaust Manifold
2015			
2015	2.4 L	P0420	Center Pipe

Please refer to related articles in Tech Talk Vol. 219, March 2016, for additional catalyst diagnosis and heat shield service parts availability information.

GROUP 52A – Interior

APPLICABILITY OF SEAT BELT STOPPER BUTTON PART NUMBERS — *2006–12 Eclipse, 2007–12 Eclipse Spyder, 2004–11 Endeavor, 2004–12 Galant, 2013–15 Outlander Sport/RVR.*

Seat belt stopper buttons can **only** be replaced on specific models. See table below for applicability of seat belt stopper button part numbers.

MODEL	PART NUMBER	SEAT BELT
2006–12 Eclipse	7000A360	Front & Rear
2007–12 Eclipse Spyder		
2004–11 Endeavor		
2004–12 Galant		
2013–15 Outlander Sport/RVR	7000F293	Front
	7000A360	Rear

For more details on seat belt stopper button replacement in these models, refer to TSB-06-52A-001, TSB-17-52A-001, and TSB-17-52A-002.

GROUP 54 – Chassis Electrical

RAIN LIGHT SENSOR (RLS) DTC B1952, LANE DEPARTURE WARNING (LDW) DTC C1706 — *2014–16 Outlander w/Lane Departure Warning.*

When replacing a windshield on vehicles equipped with an RLS/LDW camera, DTCs B1952 and/or C1706 may set.

DTC B1952 (Rain Sensor Initialization Error) may set if the clear silicone pad on the camera lens is removed during windshield installation. Inspect for a missing or damaged silicone pad on the camera lens. The replacement part can be ordered separately in CAPS, p/n 8795A072.

Be sure to clear all codes and clean the camera lens and the windshield before installing the new pad. Installation of a new silicone pad is recommended any time the windshield is replaced.

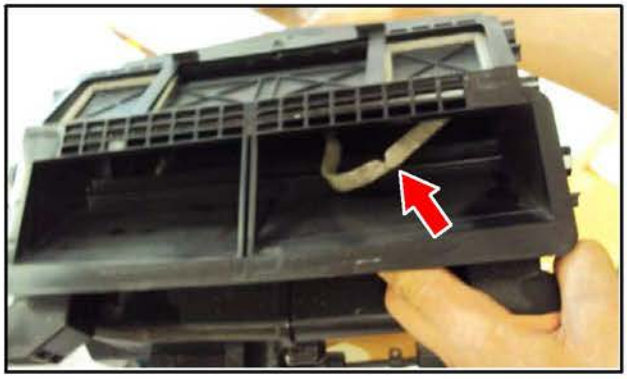
DTC C1706 (LDW Camera Adjustment Not Comp) may set if the windshield was replaced with an aftermarket windshield. This code should clear when genuine Mitsubishi glass is installed in the windshield, and initialization procedures are completed.

As stated in Tech Talk 227, Mitsubishi glass can be identified by the manufacturer "AGC Automotive" shown in the lower left corner of the windshield along with the glass rating "LAMISAFE."

GROUP 55 – Heater, Air Conditioning and Ventilation

INCONSISTENT AIRFLOW OR TEMPERATURE FROM HVAC VENTS — *2013–15 Outlander Sport/RVR.*

Should a customer complain about inconsistent airflow output or temperature variations from the front vents on either side of the vehicle, it may not be necessary to replace the entire HVAC assembly. Inspect first for loose foam on the edge of the doors inside the upper heater case of the HVAC assembly (2 examples shown below). Repair or replace the foam as needed.



REPLACEMENT OF A/C HOSES AND PIPES — *2013–15 Outlander Sport/RVR.*

A large number of A/C hoses and pipes replaced under warranty have been returned to MMNA and investigated. Upon investigation the vast majority of parts have been ruled "no trouble found." With this in mind, dealers should check all O-rings for the cause of the leakage before replacing A/C hoses or pipes. Attached below is a table that aids in identifying the different O-ring part numbers and where they are used.

A/C CONDENSER OUTLET PIPE	
Location	**O–Ring Part Number**
Bottom of Expansion Valve	MR513495
Switch, A/C Refrigerant Pressure	MR116978
Bottom Left of Condenser	MB946604
A/C COMPRESSOR SUCTION HOSE	
Location	**O–Ring Part Number**
Top of Expansion Valve	MR513496
Compressor Near Clutch	
A/C COMPRESSOR DISCHARGE HOSE	
Location	**O–Ring Part Number**
Top Left of Condenser	MB946605
Compressor	MR568455

Training News

Technical Training Schedule
February 2017 – March 2017

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

February

M	T	W	Th	F
30	31	1	2	3
6	7	8	9	10
			ES3	
13	14	15	16	17
20	21	22	23	24
H	MFIT2			
27	28	1	2	3

March

M	T	W	Th	F
27	28	1	2	3
6	7	8	9	10
	ES3		ASCF	ASCF2
13	14	15	16	17
	MED4	STV4	ABS2	
20	21	22	23	24
	MFIT2			
27	28	29	30	31

Atlanta Technical Training Center

February

M	T	W	Th	F
30	31	1	2	3
	MED4	STV4	ASCF	ASCF2
6	7	8	9	10
	AED			ASCF2
13	14	15	16	17
20	21	22	23	24
H	MED4	STV4	MEVTT	
27	28	1	2	3
	ASCF2			

March

M	T	W	Th	F
27	28	1	2	3
	ASCF2			
6	7	8	9	10
	MFIT2			
13	14	15	16	17
20	21	22	23	24
	CVTT		MEVTT	
27	28	29	30	31

WESTERN ZONE

Dallas Technical Training Center

February

M	T	W	Th	F
30	31	1	2	3
	MFIT2			
	MEVTT		CC1	
6	7	8	9	10
13	14	15	16	17
	CVTT		TC-SST	
20	21	22	23	24
H		AED		
27	28	1	2	3
	CC1		ABS2	
	ASCF	ASCF2	ES3	

March

M	T	W	Th	F
27	28	1	2	3
	CC1		ABS2	
	ASCF	ASCF2	ES3	
6	7	8	9	10
	MTT2			ASCF2
13	14	15	16	17
STV4	MED4	ES2		
20	21	22	23	24
	MEVTT		CVTT	
27	28	29	30	31
	MFIT2			

California Technical Training Center

February

M	T	W	Th	F
30	31	1	2	3
6	7	8	9	10
	ER1			
13	14	15	16	17
20	21	22	23	24
H				
27	28	1	2	3

March

M	T	W	Th	F
27	28	1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	31
	ABS2		CC1	

	Days	Code	Prerequisites
Automatic Transaxles			
40/50 Series Diagnosis & Repair	3	AT2T	ATFT1 or ATFWE or ATFB
50 Series 5-speed Diagnosis & Repair	1	AT3	AT2T
CVT Diagnosis &Repair	2	CVTT	ATFT1 or ATFWE or ATFB
Brakes			
Antilock Brakes	2	ABS2	ES1W
Electrical Systems			
Electrical Systems 2	3	ES2	ES1W
Electrical Systems 3	2	ES3	ES1W
Engine Performance			
Advanced Emission Diagnosis	3	AED	ES1W, STV4, MFIT2
Engine Repair	3	ER1	ERFW, ES1W, ME3W, MED4, STV4
Multiport Fuel Injection	4	MFIT2	ES1W, STV4
Heating & A/C Systems			
Climate Control	2	CC1	MACW, ES1W, ME3W, MED4, STV4

	Days	Code	Prerequisites
Manual Transaxles			
Manual Transaxles & Transfer Cases	3	MTT2	MTFW, ES1W, ME3W, MED4, STV4
Twin Clutch Sportronic Shift Transmission	2	TC-SST	AESP, ES1W, ES2, STV4, ME3W, MED4, ATFWE, MTT2
Vehicle Specific			
Eclipse Spyder Convertible Top (Top Stack)	1	SP3	No Prerequisites
Mitsubishi Electric Vehicle Technician Training	2	MEVTT	AESP, ES1W, ES2, STV4, ME3W, MED4, 120
Vehicle Diagnostics			
Advanced Electronic Service Procedures	-	AESP	No Prerequisites
Advanced Safety & Convenience Features	1	ASCF	ES1W, ME3W, MED4, STV4
Advanced Safety & Convenience Features 2	1	ASCF2	ASCF, ES1W, ME3W, MED4, STV4
MEDIC4	1	MED4	ME3W
Scan Tool Viewer 4	1	STV4	No Prerequisites

TECHLINE

(800) 446-6064

HOURS OF OPERATION:
Monday — Friday 6:30 am – 3:30 pm
Pacific Time

Techline is closed every THURSDAY 9:30 - 10:30 A.M for a staff meeting.

MEDIC Information

***MEDIC* Hotline (800) 846-7575**

HOURS OF OPERATION:
Monday — Friday 7:00 am – 4:00 pm
Pacific Time

MEDIC Hotline will assist with MEDIC & Scan Tool hardware or software issues.

Bulletin Review

Since Tech Talk 227, the following bulletins have been released.

2017 Technical Service Bulletins, Safety Recalls, & Service Campaigns			
Date Posted	**Publication Number**	**Publication Title**	**Applicable Models**
2/21/2017	TSB-17-31-001	Illuminated TPMS Warning Light	2016-17 Outlander
2/21/2017	TSB-17-23-001	Incorrect DTC P0317 Stored on TCM (6B31)	2017 Outlander
2/21/2017	TSB-17-14-001	Inoperative Radiator and/or Condenser Fan Motor	2008-10 Lancer, 2009-12 Lancer Sportback, 2011-12 Outlander Sport/RVR
2/23/2017	TSB-17-52A-001	Front Seat Belt Stopper Button Installation	2013-15 Outlander Sport/RVR
2/23/2017	TSB-17-52A-002	Rear Seat Belt Stopper Button Installation - Revised	2013-15 Outlander Sport/RVR

TIN/ATIN Review

Since Tech Talk 227, the following TINs/ATINs have been released.

2017 Technical Information Notices, Advance Technical Information Notices			
Date Posted	**Publication Number**	**Publication Title**	**Applicable Models**
2/15/2017	TIN-17-00-001	Update to MUT-III SE	All Models
2/16/2017	TIN-17-00-001REV	Update to MUT-III SE	All Models

100th Anniversary

A century of innovation.
Mitsubishi automobiles.

The following is a series of articles highlighting significant events in Mitsubishi Motors' first 100 years.

1962: MITSUBISHI 500 SUPER DELUXE - MACAU GRAND PRIX

Mitsubishi Motors won its **first** entry into an international motorsports event and set a track record with the 500 Super Deluxe.

It is also the **first** vehicle to be aerodynamically tested in a wind tunnel in Japan.

1970: MITSUBISHI COLT GALANT GTO

Born from the five-time Grand Prix-winning Colt F Series, the Galant GTO launched in Japan in 1970 and eventually leads to the iconic Lancer Evolution.

1973 LANCER 1600 GSR

In Lancer's debut year, the 1600 GSR dominated the Australian Southern Cross Rally with a First-Second-Third place sweep, earning Mitsubishi Motors' fourth Rally title overall.

In 1974, the Lancer 1600 GSR won the gruelling Safari Rally in Kenya, earning it the nickname, "King of Cars" in Africa.

ON THE COVER: 1971 MITSUBISHI COLT

In 1971, Mitsubishi Motors sells its first car in America, renamed the Dodge Colt. An alliance between Mitsubishi Motors and the Chrysler Corporation led to the remarketing of Mitsubishi cars in the United States. The Mitsubishi Galant became the Dodge Colt.

© 2017 Mitsubishi Motors North America, Inc.

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