



1970 Colt Galant GTO

TECH TALK

Volume 225 - November, 2016

In This Issue

- Vehicle Technical Info..... page 1
- Training News..... page 7
- Techline Information..... page 8
- MEDIC Information..... page 8
- Bulletin Review..... page 8

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

FAX NUMBERS DISCONTINUED FOR TECHLINE, VIN LABEL REQUEST FORMS — All models.

Due to system improvements at MMNA, certain fax numbers are being discontinued as of November 7, 2016. The previous Techline fax number (714-934-4279-), and the former fax number on the VIN Plate/Label request form and FMVSS label request form for SR-04-005 (714-934-4202-) will no longer receive faxes.

For Techline, technicians are asked to scan or photograph any hand-printed documents, save as a pdf or jpg file, and attach to the Techline case, or email files to: mmnatechline@mmsa.com. Be sure to include the Techline case number in the subject line of the email.

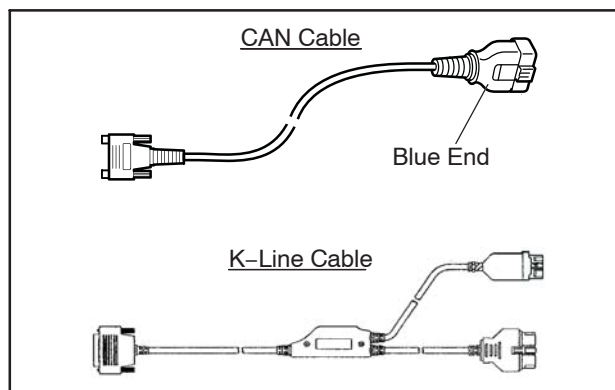
For all VIN label requests, technicians can scan and email files to: servicesupport@mmsa.com, or mail all relevant documents to:

Technical Compliance
Mitsubishi Motors North America, Inc.
P.O. Box 6400
Cypress, CA 90630-6400

REPROGRAMMING SYSTEM

IDENTIFICATION CHART — All models.

Proper cable selection is required in order to reprogram a vehicle correctly. Refer to the chart on page 6 in this Tech Talk for proper cable selection for each vehicle. This chart can also be found on MDL under *service -> service tech resources -> Service Related Items -> Worksheets, Questionnaires, Job Aids*, under *Job Aids*.

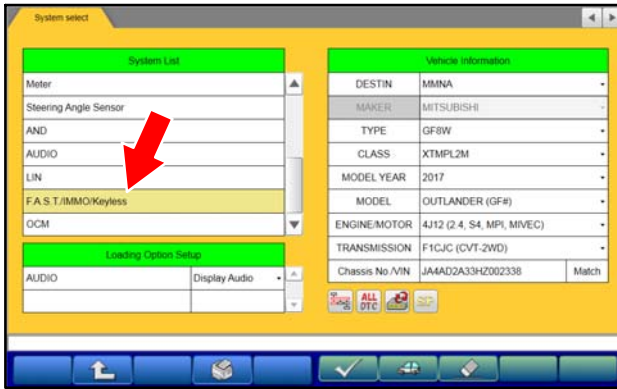


GROUP 42A – Keyless Entry System

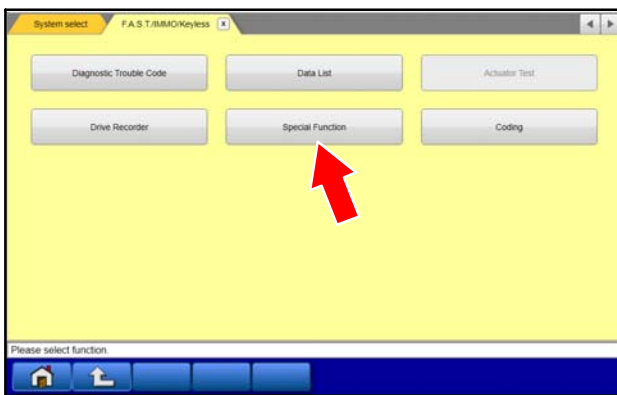
DIFFICULTY REGISTERING NON-FAST REMOTES — 2017 Outlander.

Some technicians have reported difficulty in registering the non-FAST remotes on 2017 Outlander vehicles. In these cases, try the following steps, using MUT-III SE, after reprogramming the Immobilizer.

1. On the System Select menu, select "F.A.S.T./IMMO/Keyless" from the System List menu. Under Vehicle Information, select appropriate class. If VIN does not populate, or does not match the current vehicle, click on the car icon.



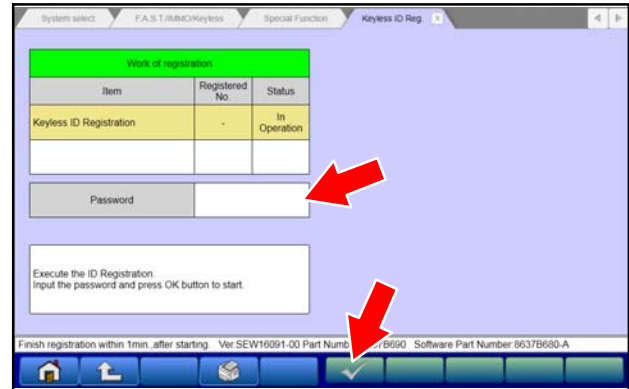
2. From the F.A.S.T./IMMO/Keyless menu, select Special Function.



3. From the Special Function menu, select "Keyless ID Reg." to register the transmitter (RKE) portion of the key (key and transmitter are one unit).

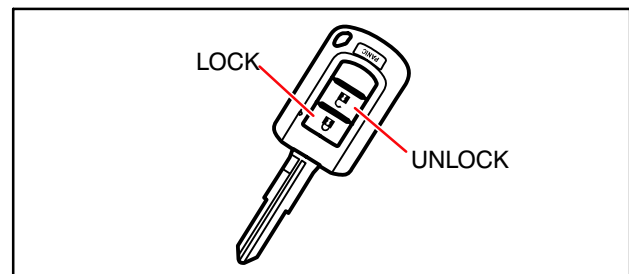


4. Input password and click the check mark at the bottom of the page.

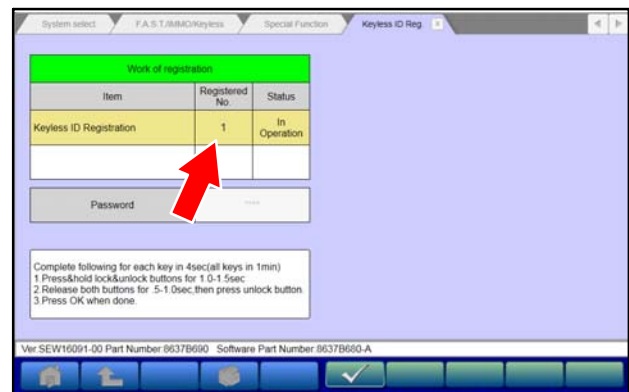


5. **REMOVE** the non-FAST key from the ignition.
IMPORTANT: Key MUST be removed from the ignition cylinder to program the remote keyless entry (RKE) function.

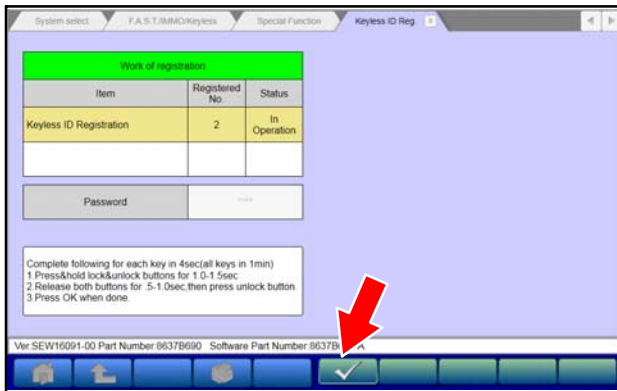
6. With the non-FAST remote **removed from ignition**, press and hold the LOCK and UNLOCK buttons for 1-1.5 seconds, release both, then press and release UNLOCK.



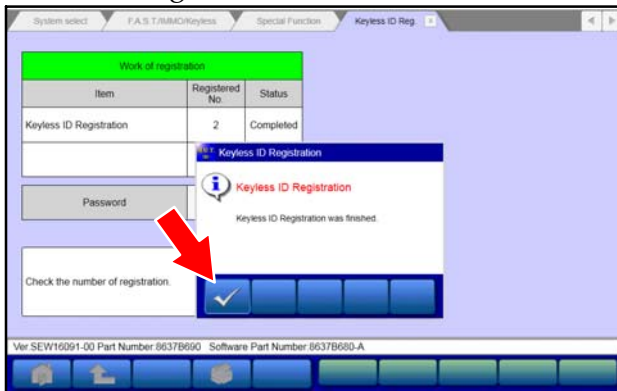
7. Confirm the scan tool shows one remote registered.



8. Repeat steps 6 and 7 to register additional non-FAST remotes. After all transmitters are registered, click the check mark to complete registration.



9. Click the check mark in the pop-up window to end registration mode.

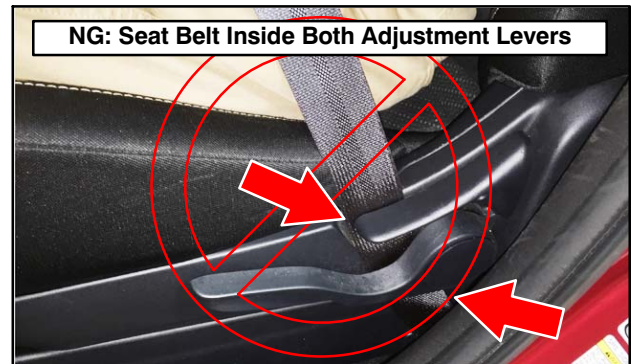


10. Operate all remotes to verify proper operation and confirm all doors LOCK and UNLOCK with the newly registered remotes.

GROUP 52A – Interior

FRONT SEAT BELTS FRAYED ON EDGES — 2013–15 Outlander Sport/RVR.

Should you encounter a front seat belt that has been frayed or damaged along the edges, inspect to see if the area of damage aligns with adjustment levers on the side of the seat when the seat belt is in use. If the damaged area is near an adjustment lever, please ensure the seat belt is not being placed inside an adjustment lever as this is not the proper position for the seat belt and can cause the seat belt to become frayed.



GROUP 54A – Chassis Electrical

SOFTWARE UPDATES AVAILABLE FOR HANDS-FREE/BLUETOOTH ISSUES — All applicable models.

Dealers are reminded to check MDL for TSBs with the latest software to address issues with the FUSE Hands Free Link System. The software addresses issues with Bluetooth connection, Apple products, and USB devices. The latest software contains all available countermeasures and is the only one that should be installed.

For more detail and instructions, refer to the TSBs below:

- TSB-16-54-001: FUSE Hands Free Link System: Unstable Bluetooth Connection
- TSB-15-54-001: Hands Free Module Software Update for “Phonebook Is Empty” Message

RIGHT HAND TAILLIGHT AND FRONT MARKER LIGHTS NOT ILLUMINATED — 2011 and newer Outlander Sport/RVR.

If diagnosing both the RH taillight and RH front marker light (part of the headlight assembly) for a “not illuminated” condition, but the left side lamps are working, consider inspecting the glove box illumination bulb for a short to ground. This circuit also affects the RH Daytime Running Light (DRL) for 2015 Outlander Sport/RVR.

CALIBRATION OF MULTI AROUND MONITOR (MULTI-VIEW CAMERA) SYSTEM
— 2017 Outlander.

After performing any of the following actions, camera calibration must be completed. Calibration is performed using MUT-III SE and two calibration targets (MB993003).

- Replacement of the Camera-ECU.
- Removal and installation/replacement of one of the four cameras.
- Left front door, right front door or the liftgate is aligned.
- Front bumper center cover is deformed or loosened due to collision.

The calibration targets are available to dealerships under the Special Service Tool Loaner Program. Complete the Loaner Agreement* on MDL and email to Mark.Watts@na.mitsubishi-motors.com and mmnatechline@mmsa.com.

* The Loaner Agreement can be found on MDL, under service -> service tech resources -> Special Service Tool Loaner Program.



GROUP 60 – Recalls

TIN-15-SC-003-B: BULLETIN REVISION - POTENTIAL TRANSMISSION SHUDDER / SURGE SERVICE CAMPAIGN — *Certain 2015 Outlander Sport Equipped with 2.0L Engine and CVT-8 Automatic Transaxle.*

TIN-15-SC-003-B was released recently and states:

“A revised Service Campaign bulletin will be released today to address vehicles covered by SC-15-003 “Potential Transmission Shudder/Surge – Service Campaign” and SR-16-006 “CVT Hesitation – Safety Recall Campaign” in certain 2015 Outlander Sport vehicles.

The revised service campaign bulletin includes the following instructions that dealers need to follow when encountering a vehicle included in both SC-15-003 and SR-16-006:

- If the CVT-ECU was previously reprogrammed as part of SR-16-006 “CVT Hesitation – Safety Recall Campaign” and the customer did not inform the dealer that they had experienced a shudder or surge condition, this Service Campaign (SC-15-003) does not apply. The CVT-ECU reprogram for SR-16-006 includes all the

necessary programming fixes for this Service Campaign.

- If a vehicle has both SC-15-003 and SR-16-006 open, and the customer does not inform the dealer that they had experienced a shudder or surge condition, complete SR-16-006 only.
- If a vehicle has both SC-15-003 and SR-16-006 open, and in the rare case that the customer informs the dealer that they had experienced a shudder or surge condition, complete SR-16-006, then follow SC-15-003’s procedure for shudder/surge condition.

The revised Service Campaign bulletin will be available today on MEDIC and MDL.

When checking for applicability of SC-15-003 (C1512Z) and SR-16-006 (C1606Z), 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

To maximize customer satisfaction with the quality of their vehicle, affected new or used inventory vehicles should be remedied 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 service campaign.

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 a 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.

TIN-15-SC-004-B: BULLETIN REVISION - POTENTIAL TRANSMISSION SHUDDER / SURGE SERVICE CAMPAIGN — *Certain 2016 Outlander Equipped with 2.4L Engine and CVT-8 Automatic Transaxle.*

TIN-15-SC-004-B was released recently and states:

“A revised Service Campaign bulletin will be released today to address vehicles covered by SC-15-004 “Potential Transmission

Shudder/Surge – Service Campaign” and SR-16-006 “CVT Hesitation – Safety Recall Campaign” in certain 2016 Outlander vehicles. The revised service campaign bulletin includes the following instructions that dealers need to follow when encountering a vehicle included in both SC-15-004 and SR-16-006:

- If the CVT-ECU was previously reprogrammed as part of SR-16-006 “CVT Hesitation – Safety Recall Campaign” and the customer did not inform the dealer that they had experienced a shudder or surge condition, this Service Campaign (SC-15-004) does not apply. The CVT-ECU reprogram for SR-16-006 includes all the necessary programming fixes for this Service Campaign.
- If a vehicle has both SC-15-004 and SR-16-006 open, and the customer does not inform the dealer that they had experienced a shudder or surge condition, complete SR-16-006 only.
- If a vehicle has both SC-15-004 and SR-16-006 open, and in the rare case that the customer informs the dealer that they had experienced a shudder or surge condition, complete SR-16-006, then follow SC-15-004’s procedure for shudder/surge condition.

The revised Service Campaign bulletin will be available today on MEDIC and MDL.

When checking for applicability of SC-15-004 (C1513R) and SR-16-006 (C1607Z), 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

To maximize customer satisfaction with the quality of their vehicle, affected new or used inventory vehicles should be remedied 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 service campaign.

IMPORTANT

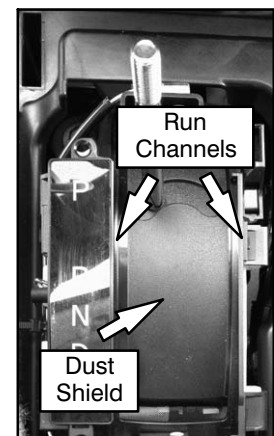
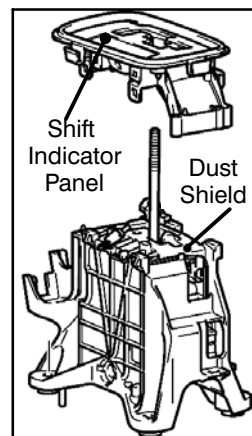
Affected new or used inventory vehicles must be repaired before the vehicle is delivered. Dealers must check their inventory vehicles’ VINs on the Warranty Superscreen to verify whether the vehicle is involved in a recall campaign. It is a violation of Federal law for a dealer to deliver a new motor 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.

GROUP 66 – Accessories

SHIFT LEVER BINDING: ACCESSORY SHIFT GATE LED INSTALLATION (MZ360248EX) — 2014-17 Outlander.

NOTE: This article is being reprinted to add 2015-17 model year Outlander vehicles.

When removing the CVT or A/T shift indicator panel for LED installation, it is possible to dislodge the shifter dust shield slide from its run channel. As a result, the slider will contact other shifter components when the transmission is shifted from park (P), reverse (R) or neutral (N) to drive (D) and be dislodged from its run channels. Significant damage to the shifter dust shield will result and the shifter assembly must be replaced.

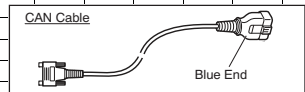
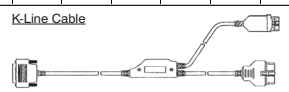


To reduce the possibility of damaging the dust shield, set the parking brake and move the shift lever to the N position prior to removing the shift indicator panel. Make sure the wheels are chocked to prevent the vehicle moving.

If the dust shield is dislodged from its run channel during LED light kit installation, reinstall it, then, confirm free movement of the shield when shifting to D, **prior to reassembly.**

Reprogramming System Identification Chart

Model	Engine or Transmission	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	
Diamante	3.5L SOHC	K-Line																				
	ELC-4AT	K-Line																				
Galant	2.4L SOHC	K-Line																				
	ELC-4AT	K-Line																				
	3.0L SOHC	K-Line																				
	ELC-4AT	K-Line																				
	2.4L SOHC MIVEC									K-Line					CAN							
	ELC-4AT									K-Line					CAN							
Eclipse	3.8L SOHC								K-Line					CAN								
	2.0L DOHC T/C	K-Line																				
	ELC-4AT	K-Line																				
	3.0L SOHC				K-Line																	
	ELC-4AT				K-Line																	
	2.4L SOHC				K-Line																	
	ELC-4AT				K-Line																	
	2.4L SOHC MIVEC														CAN							
	ELC-4AT														CAN							
Eclipse Spyder	3.8L SOHC													CAN								
	ELC-4AT													CAN								
	ELC-5AT													CAN								
	2.4L	K-Line																				
	ELC-4AT	K-Line																				
	2.0L T/C	K-Line																				
	ELC-4AT	K-Line																				
	3.0L SOHC				K-Line																	
	ELC-4AT				K-Line																	
	2.4L SOHC				K-Line																	
Endeavor	ELC-4AT																					
	3.8L SOHC																					
	ELC-4AT																					
	ELC-4AT																					
	ELC-4AT																					
	ELC-4AT																					
	ELC-4AT																					
	ELC-4AT																					
	ELC-4AT																					
	ELC-4AT																					
i-MiEV	EV-ECU																					
	2.0L DOHC T/C																					
Lancer Evolution	2.0L DOHC T/C MIVEC																					
	2.0L DOHC T/C MIVEC																					
Lancer (-2007)	2.4L SOHC MIVEC																					
	ELC-4AT																					
	2.0L SOHC																					
	ELC-4AT																					
Lancer (2008-)	2.0L DOHC																					
	CVT																					
	2.4L DOHC MIVEC																					
	2.0L DOHC T/C MIVEC																					
Lancer Sportback (2004)	2.4L SOHC MIVEC																					
	ELC-4AT																					
Lancer Sportback (2010-)	2.0L DOHC																					
	2.0L DOHC T/C MIVEC																					
Mirage (-2002)	1.8L SOHC	K-Line																				
	ELC-4AT	K-Line																				
	1.5L SOHC	K-Line																				
	ELC-4AT	K-Line																				
Mirage (2014-)	1.2L-DOHC																					
Mirage G4 (2017)	1.2L-DOHC																					
Montero	3.8L SOHC																					
	ELC-5AT																					
	3.5L SOHC	K-Line				K-Line*																
	ELC-4AT	K-Line				K-Line*																
	ELC-5AT																					
Montero Sport	3.5L SOHC	K-Line																				
	ELC-4AT	K-Line																				
	3.0L SOHC	K-Line																				
	ELC-4AT	K-Line																				
	2.4L SOHC	K-Line																				
Outlander (-2006)	ELC-4AT	K-Line																				
	2.4L SOHC																					
	ELC-CVT																					
	2.4L SOHC MIVEC																					
Outlander (2007-13)	ELC-4AT																					
	2.4L DOHC																					
	CVT																					
	3.0L SOHC																					
Outlander (2014-)	ELC-6AT																					
	2.4L DOHC																					
	CVT																					
	3.0L SOHC																					
Outlander Sport	ELC-6AT																					
	2.4L SOHC MIVEC																					
3000GT	CVT																					
	2.4L SOHC MIVEC																					
	3.0L SOHC	K-Line																				
	ELC-4AT	K-Line																				
	ELC-4AT	K-Line																				



* Requires additional Adapter Harness MB991855.

Training News



Technical Training Schedule December 2016 – January 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

December					January				
M	T	W	Th	F	M	T	W	Th	F
28	29	30	1	2	2	3	4	5	6
	MED4	STV4	ASCF	ASCF2	H				
5					9	10	11	12	13
					MTT2		TC-SST		
12	13	14	15	16	16	17	18	19	20
CVTT		MEVTT			H		ES2		
19	20	21	22	23	23	24	25	26	27
ASCF	ASCF2			H	MFIT2				
26	27	28	29	30	30	31	1	2	3
H	H	H	H	H					

Atlanta Technical Training Center

December					January				
M	T	W	Th	F	M	T	W	Th	F
28	29	30	1	2	2	3	4	5	6
	MED4	STV4	ASCF	ASCF2	H		ES2		
5	6	7	8	9	9	10	11	12	13
AT2		AT3			MFIT2				
12	13	14	15	16	16	17	18	19	20
ABS2		ES3			H				
19	20	21	22	23	23	24	25	26	27
				H	MTT2		TC-SST		
26	27	28	29	30	30	31	1	2	3
H	H	H	H	H		MED4	STV4	ASCF	ASCF2

WESTERN ZONE

Dallas Technical Training Center

December					January				
M	T	W	Th	F	M	T	W	Th	F
28	29	30	1	2	2	3	4	5	6
					H				
5	6	7	8	9	9	10	11	12	13
AT2		AT3							
12	13	14	15	16	16	17	18	19	20
STV4	MED4	ES2			H	ASCF	ES3	ASCF2	
19	20	21	22	23	23	24	25	26	27
ASCF	ASCF2			H	MFIT2				
26	27	28	29	30	30	31	1	2	3
H	H	H	H	H	MEVTT		CC1		

California Technical Training Center

December					January				
M	T	W	Th	F	M	T	W	Th	F
28	29	30	1	2	2	3	4	5	6
	ASCF	ASCF2	ASCF2	ASCF2	H				
5	6	7	8	9	9	10	11	12	13
EN1					AT2		AT3		
12	13	14	15	16	16	17	18	19	20
					H				
19	20	21	22	23	23	24	25	26	27
				H					
26	27	28	29	30	30	31	1	2	3
H	H	H	H	H					

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

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.



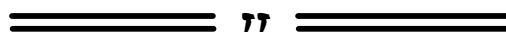
Bulletin Review



Since Tech Talk 224, the following
bulletins have been released.

2016 Technical Service Bulletins, Safety Recalls, & Service Campaigns

Date Posted	Publication Number	Publication Title	Applicable Models
10/17/2016	TSB-16-42A-001	Improper Door Glass Function	2013-15 Outlander Sport/RVR
10/17/2016	TSB-16-54-005	Unable to Re-register Immobilizer ID After Replacing ETACS ECU	2014-16 Outlander
10/26/2016	SC-15-003REV	Potential Transmission Shudder/Surge - Service Campaign - Revised	2015 Outlander Sport/RVR
10/26/2016	SC-15-004REV	Potential Transmission Shudder/Surge - Service Campaign - Revised	2016 Outlander
11/8/2016	TSB-16-51-003	Tailgate Garnish Contacting Rear Combination Lamps	2014-15 Outlander
11/10/2016	TSB-16-35-001	Hydraulic Unit Removal & Installation: Clamping Torque of Brake Tube Flare Nuts - SMR	2014-16 Outlander, 2014-17 Outlander Sport/RVR
11/21/2016	TSB-16-11-003	Oil Leakage from Front Oil Seal of Crankshaft	2008-11 Lancer, Sportback/Ralliart, models, Lancer Evolution, Outlander



TIN/ATIN Review



Since Tech Talk 224, the following
TINs/ATINs have been released.

2016 Technical Information Notices, Advance Technical Information Notices

Date Posted	Publication Number	Publication Title	Applicable Models
10/26/2016	TIN-15-SC-003-B	Potential Transmission Shudder/Surge - Service Campaign - Revised	2015 Outlander Sport/RVR
10/26/2016	TIN-15-SC-004-B	Potential Transmission Shudder/Surge - Service Campaign - Revised	2016 Outlander

