



Final Edition  
Lancer Evolution

# TECH TALK

Volume 226 - December, 2016

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## 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 35 – Service Brakes

**TIN-16-35-001: CODE 209 RESTRICTION ON ABS HYDRAULIC UNIT PART NUMBERS** — 2014-16 Outlander Sport.

TIN-16-35-001 was recently released and states:

“The ABS hydraulic unit parts for 2014 - 2016 Outlander Sport vehicles will be placed on 209 Restriction effective immediately.

Part Description	Part Number	Origin
ABS Hydraulic Unit	4670B183	MMNA
	4670B263	MMC

When diagnosing an ABS hydraulic unit exhibiting a brake fluid leak or seepage, please refer first to the Tech Talk article and TSB listed below before ordering a replacement ABS hydraulic unit:

- Tech Talk Volume 223, Group 35C, “Fluid Seepage at ABS Hydraulic Unit”
- TSB-16-35-001, “Hydraulic Unit Removal & Installation: Clamping Torque of Brake Tube Flare Nuts – SMR”

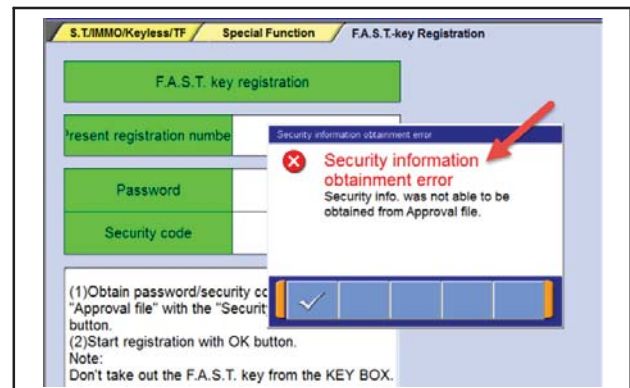
If the seepage/leak issue is still not resolved after following the diagnostics in the article and TSB listed above, have the Technician working on the vehicle create a Techline Case and call Techline (1-800-446-6064) prior to ordering an ABS hydraulic unit for a warranty repair.

Techline Support will discuss the condition on the customer's vehicle and if an ABS hydraulic unit replacement is required, they will have the part order released.

### GROUP 42 – Body AND GROUP 54 – Chassis Electrical

**SECURITY INFORMATION OBTAINMENT ERROR DURING KEY REGISTRATION** — All models with F.A.S.T., KOS, & OSS.

When all keys are lost, a security permission file is required to gain access to the KOS system of the vehicle to program new keys. A *Security Information Obtainment Error* may be encountered during key registration (see error message below).



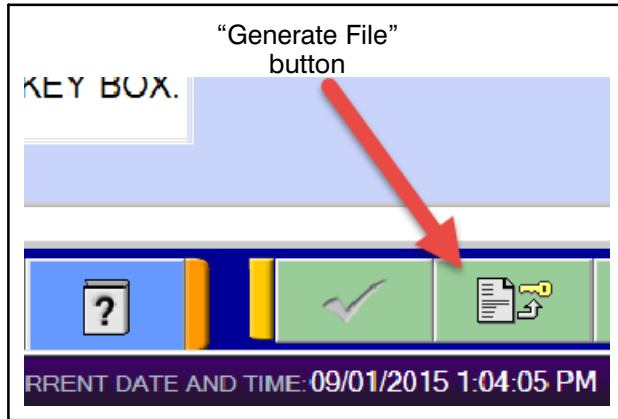
This occurs when the downloaded security permission file (not to be confused with the Key Registration Password) for the vehicle is incorrect or corrupt.

If you run across this error using the downloaded security permission file, use the following steps to obtain a new security permission file.

1. Download the security permission file again and attempt to use it again to confirm the file is not working correctly.

2. Confirm you are seeing the error screen shown above.
3. Once the error screen is confirmed, generate a *Security application file* from the vehicle. This file will be used to obtain a new security permission file.

Depending on the vehicle, this is done by either clicking on the “generate file” button at the bottom of the screen, or by returning to a previous screen and clicking on the “Security appli. File generate” button. The file generated will automatically go into a folder in the scan tool.



4. Once the Security Application file has been generated, open a new Techline case for this vehicle.
5. Contact the MEDIC hotline (1-800-846-7575) to retrieve the file from the scan tool. Have MEDIC hotline attach the file to the Techline case and email it to: [mmnatechline@mmsa.com](mailto:mmnatechline@mmsa.com).

*Example of a generated security permission file name:* ML32F4FJ5HHF10149\_161122\_01.pwf

6. Call Techline (1-800-446-6064) to inform them of the case and the need for a new security permission file for the vehicle.
7. Techline will obtain a new permission file from MMC and attach it to the Techline case.

8. Techline will contact the dealership and alert the technician that the new security permission file is available.

9. The technician then should contact MEDIC hotline to have them transfer the new security permission file from the Techline case to the proper MUT scantool folder.

10. Proceed with key registration.

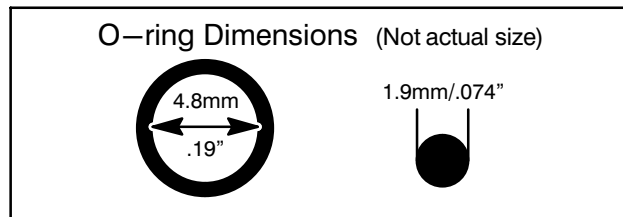


## **GROUP 51 – Exterior**

✓ **WINDSHIELD WASHER PUMP LEAKING AT FITTINGS** — 2013–15 Outlander Sport/RVR, 2014–15 Outlander.

If you find leakage at the washer pump forward of the right front tire, or the washer is inoperative, check if the washer pump fluid inlet/outlet assembly has become dislodged from the pump (refer to service manual Group 51 – Exterior —> Windshield Wiper and Washer, for information). Confirm if the o-rings on the pump outlets are in place. If o-rings are missing, it is NOT necessary to replace the entire washer pump.

Though not available from your facing PDC, suitable replacements can be sourced locally using o-rings made of EPDM (Ethylene Propylene Diene Monomer) rubber, with an I.D. of 4.8 mm and a material cross section of 1.9 mm (e.g. NAPA p/n - 727-2602).



Install the new o-rings to the outlet fluid connections and reinstall the outlet to the pump. If the o-rings are simply dislodged, but not lost, and they are NOT cut or damaged, they can be reused. If it is necessary to replace the gasket between the fluid tank and pump, it is available separately (PNC 84233, p/n 8260A161).

➤ **BLOTCHING IN CLEAR COAT** —  
All models.

On new vehicles, discoloration or a “milky” color in the body paint after removing the RAP-Film is typically due to moisture entering under the RAP-Film and sitting on the painted surface for a long period of time. This causes a “blotching” effect on the clear coat. **DO NOT REPAINT THE VEHICLE FOR THIS CONDITION.** It can usually be eliminated by leaving the vehicle in warm sunlight for a few hours. In colder climates, heat the affected area for a few minutes with a hot air gun, heat lamp, or in a paint booth.



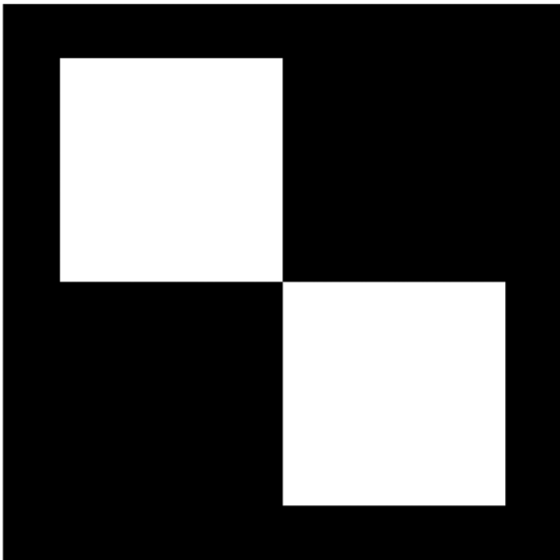
**GROUP 54 – Chassis Electrical**

**FORWARD COLLISION MITIGATION (FCM) CALIBRATION TARGET** — 2017 Outlander.

Unlike the 2014 - 2016 Outlander FCM calibration procedure which requires driving the vehicle, the new FCM system uses unique targets to perform calibration of the FCM/LDW/AHB-ECU. To assist technicians in conducting this procedure, the FCM Target and Printing Instructions job aid was developed and posted to the Techline System home page under the *Worksheets, Questionnaires, Job Aids* button.

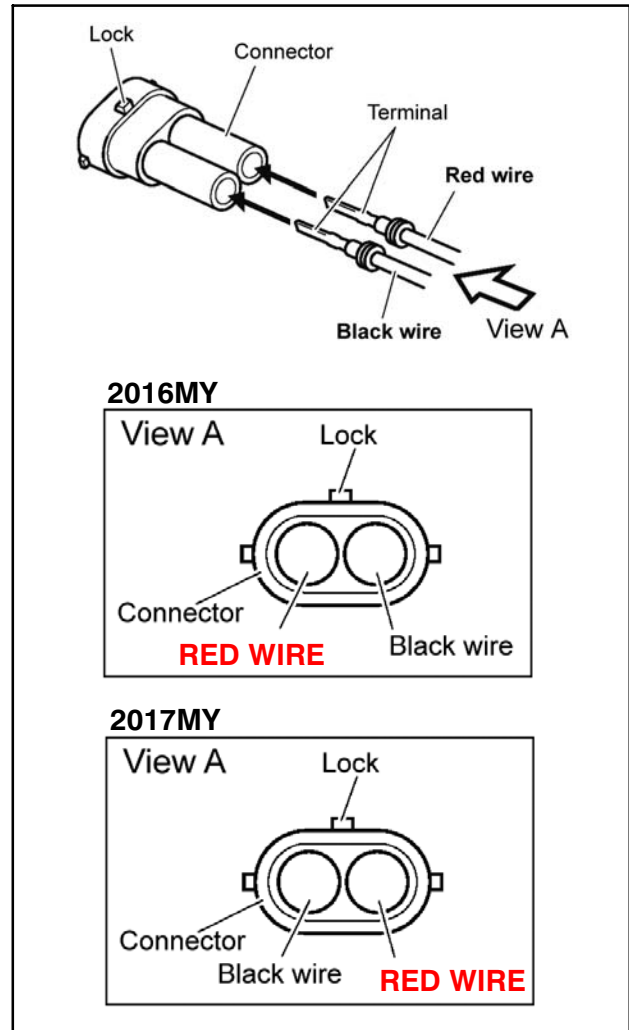
**FCM Target and Printing Instructions**

- 1) Ensure your printer produces a sharp and dark BLACK. The FCM-ECU may not recognize the target properly if the black image areas are gray.
- 2) Print 2 targets exactly 100%. Do not scale the image larger or smaller.
- 3) After printing, ensure the black square is exactly 7.9" x 7.9" (7 29/32" x 7 29/32").
- 4) Carefully cut the targets from the paper along the edge of the black square.
- 5) Attach the targets to 2 pieces of flat cardboard with clear plastic tape.
- 6) Consult Service Manual Group 54A, FCM/LDW/AHB-ECU SENSOR CALIBRATION for proper target positioning.



**LED FOG LAMP NOT WORKING**  
**(PN MZ581985EX)** — 2016-17 Outlander.

If a condition is found where the fog lamp is not working after installation, a possible cause is the fog lamp wire terminals are not positioned correctly for the specific model year (shown below).



For detailed instructions, please obtain a copy from your Parts coordinator who has access to the MMNA CAPS system.

CAPS:  
ACC -> Advanced Search -> Part number:  
MZ581985EX  
Refer to the instruction titled “Supplement” for model specific wiring details.



## **GROUP 60 – Recalls**

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

TIN-16-SR-003-D was released recently and states:

"Customer letters for the Cross Member Corrosion Safety Recall Campaign are being mailed this week to approximately 52,000 additional owners, informing them that remedy parts are now available. 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.



# 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				
M	T	W	Th	F
28	29	30	1	2
	MED4	STV4	ASCF	ASCF2
5	6	7	8	9
12	13	14	15	16
		CVTT		MEVTT
19	20	21	22	23
	ASCF	ASCF2		H
26	27	28	29	30
H	H	H	H	H

January				
M	T	W	Th	F
2	3	4	5	6
H				
9	10	11	12	13
		MTT2		TC-SST
16	17	18	19	20
H			ES2	
23	24	25	26	27
		MFIT2		
30	31	1	2	3

#### Atlanta Technical Training Center

December				
M	T	W	Th	F
28	29	30	1	2
	MED4	STV4	ASCF	ASCF2
5	6	7	8	9
		AT2		AT3
12	13	14	15	16
		ABS2		ES3
19	20	21	22	23
				H
26	27	28	29	30
H	H	H	H	H

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

### WESTERN ZONE

#### Dallas Technical Training Center

December				
M	T	W	Th	F
28	29	30	1	2
5	6	7	8	9
		AT2		AT3
12	13	14	15	16
	STV4	MED4		ES2
19	20	21	22	23
	ASCF	ASCF2		H
26	27	28	29	30
H	H	H	H	H

January				
M	T	W	Th	F
2	3	4	5	6
H				
9	10	11	12	13
16	17	18	19	20
H	ASCF		ES3	ASCF2
			EN1	
23	24	25	26	27
30	31	1	2	3
		MFIT2		
		MEVTT		CC1

#### California Technical Training Center

December				
M	T	W	Th	F
28	29	30	1	2
	ASCF	ASCF2	ASCF2	ASCF2
5	6	7	8	9
		EN1		
12	13	14	15	16
19	20	21	22	23
				H
26	27	28	29	30
H	H	H	H	H

January				
M	T	W	Th	F
2	3	4	5	6
H				
9	10	11	12	13
		AT2		AT3
16	17	18	19	20
H				
23	24	25	26	27
30	31	1	2	3

\* Reserved for ASCF students from November 29.

	Days	Code	Prerequisites		Days	Code	Prerequisites
<b>Automatic Transaxles</b>				<b>Manual Transaxles</b>			
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				
<b>Brakes</b>				<b>Vehicle Specific</b>			
Antilock Brakes	2	ABS2	ES1W	Eclipse Spyder Convertible Top (Top Stack)	1	SP3	No Prerequisites
<b>Electrical Systems</b>				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				
<b>Engine Performance</b>				<b>Vehicle Diagnostics</b>			
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
Multipoint Fuel Injection	4	MFIT2	ES1W, STV4	Advanced Safety & Convenience Features 2	1	ASCF2	ASCF, ES1W, ME3W, MED4, STV4
<b>Heating &amp; A/C Systems</b>				MEDIC4	1	MED4	ME3W
Climate Control	2	CC1	MACW, ES1W, ME3W, MED4, STV4	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 225, the following  
bulletins have been released.

## 2016 Technical Service Bulletins, Safety Recalls, & Service Campaigns

Date Posted	Publication Number	Publication Title	Applicable Models
12/1/2016	TSB-16-54-006	Impossible to Turn Ignition Off When Battery Voltage Drops	2014-17 Mirage, 2017 Mirage G4, 2014-17 Outlander, 2011-17 Outlander Sport/RVR



# TIN/ATIN Review



Since Tech Talk 225, the following  
TINs/ATINs have been released.

## 2016 Technical Information Notices, Advance Technical Information Notices

Date Posted	Publication Number	Publication Title	Applicable Models
11/16/2016	TIN-16-SR-003-D	Cross Member Corrosion Safety Recall Campaign – “Remedy Available” Customer Letters	Certain 2002 – 2007 Lancer, 2004 Lancer Wagon, 2003 – 2006 Lancer Evolution, 2003 – 2006 Outlander, and 2007 – 2013 V6 Outlander
12/6/2016	TIN-16-35-001	Code 209 Restriction on ABS Hydraulic Unit Part Numbers	2014-16 Outlander Sport



## Special Event

The following was a special event for Mitsubishi Motors in 2016.

### LAST LANCER EVOLUTION FINAL EDITION AUCTIONED FOR CHARITY

In September 2016, Mitsubishi Motors held a national auction of the very last Lancer Evolution Final Edition on eBay. Pictured on page 1 of this Tech Talk, the car sold for \$60,000, and raised money for Feeding America Riverside / San Bernardino and Second Harvest Food Bank of Orange County. The charity is the largest hunger relief organization in Southern California's Inland Empire and currently assists over 426,000 men, women, and children monthly.

The check for \$60,000 was presented at the Feeding America annual gala in Rancho Cucamonga, CA. Mitsubishi was also one of the dinner's sponsors for the event. In total, Mitsubishi Motors will provide nearly 400,000 meals to those in need this holiday season.



## Holiday Schedule

For your reference, listed below are special holiday hours at MMNA this holiday season.

All times shown are Pacific Time. Regular schedules for all departments resume January 3, 2017.

<u>DEPT.</u>	Friday Dec. 23	Monday Dec. 26	Tuesday Dec. 27	Wednesday Dec. 28	Thursday Dec. 29	Friday Dec. 30	Monday Jan. 2
TECHLINE	Closed	Open 7:00 am - 4:00 pm (with reduced staffing)				Closed	7 am - 4 pm
MEDIC HOTLINE	Open 7:00 am - 4:00 pm						Closed
PDC	Open	Closed	Open				Closed
CUSTOMER RELATIONS	Closed	Open 7:00 am - 4:00 pm				Closed	7 am - 4 pm
WARRANTY HOTLINE	Closed	Closed	Closed	Open 7:30 am - 1:30 pm			Closed



*Happy  
Holidays*

*From MMNA*

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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](http://www.mitsubishitechinfo.com)).