



TECH TALK

Volume 243 - October 2018

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Vehicle Technical Info

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



GROUP 00 - General

TIN-18-00-010: MICHIGAN DEPARTMENT OF STATE LETTERHEAD - TAKATA RECALLS — 2004-07 Lancer, 2006-09 Raider, 2012-17 i-MiEV.

TIN-18-10-010 was released recently and states:

"With permission from the Michigan Department of State (DOS), on October 24, 2018, MMNA will be mailing letters to owners, with Michigan addresses, of certain 2004-2007 Lancer, 2006-2009 Raider, and 2012-2017 i-MiEV vehicles with open Takata recalls. These notification letters will be printed on a Michigan DOS letterhead and mailed in an envelope with the Michigan DOS return address. Please take the time to familiarize yourself with the attached letter and envelope as some owners may ask you about their authenticity.

MMNA has ample inventory of Takata recall parts. To minimize any customer inconvenience, be sure your dealership has an adequate supply of recall parts on hand.

Thank you in advance for your immediate attention. Should you have any questions,

please do not hesitate to contact your District Parts and Service Manager."

GROUP 13 - Fuel

TIN-18-13-003: ENGINE ECU SOFTWARE UPDATE IN TSB-18-13-001 & TSB-18-13-002 ADDRESSES BOTH DTC P0068 & P061A — 2018-19 Eclipse Cross.

TIN-18-13-003 was released recently and states:

"To maximize customer satisfaction with the all new Eclipse Cross, please perform the Engine ECU reprogramming outlined in TSB-18-13-001 and TSB-18-13-002 on **any affected Eclipse Cross in your new or used vehicle inventory, or one that visits your dealership service department.**

This Engine ECU software update was made available on June 7, 2018 to address MFI DTCs P0068 and P061A that have been improperly set. **The Engine ECU only needs to be flashed once with the updated software, to address both MFI DTCs.**

When reprogramming the Engine ECU software to resolve DTC P0068 or P061A, be sure to first check the software part number as described in TSB-18-13-001 and TSB-18-13-002.

If the Software Part Number listed is 1860D11603 or higher, then the software update for P0068 and P061A has been completed. There is no need to complete the procedure in both TSBs, as software level 1860D11603 addresses both issues.

Many of the vehicles affected by SR-18-007 (FCM-ECU Reprogramming) and/or SR-18-008 (ASC Hydraulic Unit ECU Reprogramming) may not have received this Engine ECU software upgrade yet – it will be a good opportunity to reprogram the Engine ECU when the vehicle is brought in to have SR-18-007 and/or SR-18-008 completed.

Always obtain the customer's approval before completing the Engine ECU reprogramming on a customer owned vehicle."

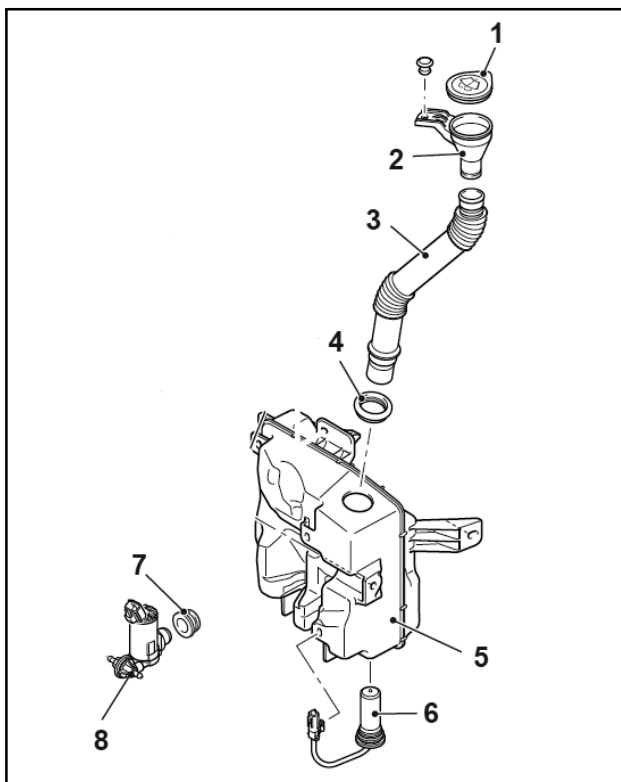


GROUP 51 - Exterior

WASHER TANK LEAKING – 2016-18 Outlander Sport/RVR.

If you encounter a washer fluid leak for which you plan to replace a WASHER FLUID TANK or MOTOR **under warranty**, please replace the whole washer tank assembly instead (8 pieces, see table and image below).

MMNA needs to collect 5 full sets for investigation purposes. Please remove the parts as a set and keep them undisturbed as much as possible. MMNA will request the parts through the Warranty Material Return System. Please send the parts as soon as you receive the Material Return Report. We highly appreciate your help and cooperation.



1	8260A274	Cap
2	8260A097	Hose, Filler
3	8260A218	Hose, Filler
4	8260A099	Grommet
5	8260A395	Tank
6	8260A406	Sensor, Fluid Level
7	8260A161	Gasket
8	8260A217	Motor

GROUP 54 - Chassis Electrical

TIN-18-54-004: URGENT DEALER NOTIFICATION FOR TSB-18-54-005 – 2018 Outlander PHEV.

NOTE: TIN-18-54-004 was released recently and was superseded by TIN-18-54-004REV. Please see the following article for the latest information.

TIN-18-54-004REV: SOFTWARE UPDATE ISSUE RESOLVED FOR TSB-18-54-005 – 2018 Outlander PHEV.

TIN-18-54-004REV was released recently and states:

"The communication problem with the software update in TSB-18-54-005 described in TIN-18-54-004 released October 3, 2018 has now been **resolved with MEDIC Update 558**, being released today, October 4, 2018. This update will deploy the latest software database, version **SEW18061-02**.

Once your MEDIC is at Update 558 (or later), then the flash outlined in TSB-18-54-005 can be completed."



GROUP 60 - Recalls

ATIN-18-SR-007-A: FCM-ECU REPROGRAMMING SAFETY RECALL CAMPAIGN – 2018-19 Eclipse Cross, 2017-18 Outlander, 2018 Outlander PHEV, 2018 Outlander Sport/RVR.

ATIN-18-SR-007-A was released recently and states:

"A safety recall campaign will be released today for FCM-ECU reprogramming on certain 2017-2018 Outlander built between August 1, 2016 and June 13, 2018; 2018 Outlander PHEV built between November 13, 2017 and June 25, 2018; 2018-2019 Eclipse Cross built between December 26, 2017 and June 21, 2018; and 2018 Outlander Sport built between August 8, 2017 and June 25, 2018.

Do not sell or deliver any affected 2017-2018 Outlander, 2018 Outlander PHEV, 2018-2019 Eclipse Cross, 2018 Outlander Sport until this recall has been performed. Please check the Most Recent: Open Campaign List e-report to identify affected vehicles in your new vehicle inventory. The Recall Bulletin outlining the repair procedure will be available today on MEDIC and MDL.

Due to incorrect software, the FCM-ECU may apply braking for longer than needed, even after a pedestrian is no longer detected. If the FCM-ECU software activates the brake for



longer than necessary, the driver may react by applying additional braking. The resulting rapid deceleration of the vehicle can increase the risk of a rear-end collision.

Notification letters are scheduled to begin mailing to owners of affected vehicles on October 16, 2018, requesting they contact their local Authorized Mitsubishi dealership to schedule an appointment to have this recall performed. **Some vehicles are also affected by SR-18-008 "ASC Hydraulic Unit-ECU Reprogramming" campaign—please ensure that vehicles affected by both SR-18-007 and SR-18-008 have the FCM-ECU AND Hydraulic Unit ECU reprogrammed on the same visit.**

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 (C1810R), 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 sold/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 sell/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-18-SR-008-A: ASC HYDRAULIC UNIT ECU REPROGRAMMING SAFETY RECALL CAMPAIGN
– 2018 Eclipse Cross, 2017-18 Outlander, 2018 Outlander PHEV, 2018 Outlander Sport/RVR.

ATIN-18-SR-008-A was released recently and states:

"A safety recall campaign will be released today for ASC Hydraulic Unit ECU reprogramming on certain 2017-2018 Outlander built from August 1, 2016 to April 6, 2018; 2018 Outlander PHEV built from November 13, 2017 to April 9, 2018; 2018 Eclipse Cross built from December 26, 2017 to April 12, 2018; and 2018 Outlander Sport built from August 8, 2017 to April 13, 2018.

Do not sell or deliver any affected 2017-2018 Outlander, 2018 Outlander PHEV, 2018 Eclipse Cross, 2018 Outlander Sport until this recall has been performed. Please check the Most Recent: Open Campaign List e-report to identify affected vehicles in your new vehicle inventory. The Recall Bulletin outlining the repair procedure will be available today on MEDIC and MDL.

The software for the Hydraulic Unit Electronic Control Unit (ECU) may be incorrect, possibly preventing the intervention of a safety system such as automatic emergency braking, Anti-lock Braking (ABS), Active Stability Control (ASC), or the Brake Auto Hold (BAH) function when any of these systems are in use. If the safety systems do not function as intended, it can increase the risk of a crash.

Notification letters are scheduled to begin mailing to owners of affected vehicles on October 16, 2018, requesting they contact their local Authorized Mitsubishi dealership to schedule an appointment to have this recall performed. **Some vehicles are also affected by SR-18-007 "FCM-ECU Reprogramming" campaign—please ensure that vehicles affected by both SR-18-007 and SR-18-008 have the FCM-ECU AND Hydraulic Unit ECU reprogrammed on the same visit.**

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 (C1809R), 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 sold/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 sell/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

November - December 2018

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.

NORTHEAST REGION

New Jersey Technical Training Center

November					December				
M	T	W	Th	F	M	T	W	Th	F
29	30	31	1	2	3	4	5	6	7
	181N	181N	PHEV						
5	6	7	8	9	10	11	12	13	14
					ER1		ES3		
12	13	14	15	16	17	18	19	20	21
MTT2			TC-SST			CVTT	ASCF2	181N	
19	20	21	22	23	24	25	26	27	28
ASCF2	ES3		H	H	H	H	H	H	H
26	27	28	29	30	31	1	2	3	4
	ER1		181N		H	H			

SOUTHEAST REGION

Atlanta Technical Training Center

November					December				
M	T	W	Th	F	M	T	W	Th	F
29	30	31	1	2	3	4	5	6	7
		EECS			181N	ASCF2	CC1		
5	6	7	8	9	10	11	12	13	14
	AT2		AT3		ER1		ES3		
12	13	14	15	16	17	18	19	20	21
19	20	21	22	23	24	25	26	27	28
			H	H	H	H	H	H	H
26	27	28	29	30	31	1	2	3	4
MTT2			TC-SST		H	H			

CENTRAL REGION

Bloomington/Normal, IL Technical Training Center

November					December				
M	T	W	Th	F	M	T	W	Th	F
5	6	7	8	9	3	4	5	6	7
						ES3	181N		
12	13	14	15	16	10	11	12	13	14

CENTRAL REGION

Dallas Technical Training Center

November					December				
M	T	W	Th	F	M	T	W	Th	F
29	30	31	1	2	3	4	5	6	7
STV4	MED4	ES2							
5	6	7	8	9	10	11	12	13	14
PHEV	181N						PHEV		
12	13	14	15	16	17	18	19	20	21
	AT2		AT3		ASCF	ASCF2	TC-SST		
19	20	21	22	23	24	25	26	27	28
ES3	181N	H	H		H	H	H	H	H
26	27	28	29	30	31	1	2	3	4
ABS2	ASCF				H	H			

WEST REGION

California Technical Training Center

November					December				
M	T	W	Th	F	M	T	W	Th	F
5	6	7	8	9	3	4	5	6	7
	ER1		181N		ASCF	ASCF2	ES3		
12	13	14	15	16	10	11	12	13	14

Course Title	DAYS	CODE	PREREQUISITES	Course Title	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 Cross	1	181N	AESP, ES1W, ME3W, MED4, NMNS, STV4
Electrical Systems				Plug-In Hybrid Electric Vehicle	2	PHEV	AESP, ES1W, ES2, STV4, ME3W, 120 MED4, PHEVV, R1234W
Electrical Systems 2	3	ES2	ES1W				
Electrical Systems 3	2	ES3	ES1W				
Engine Performance				Vehicle Diagnostics			
Engine & Emission Control Systems	4	EECS	ES1W, STV4	Advanced Electronic Service Procedures	-	AESP	No Prerequisites
Engine Repair	3	ER1	ERFW, ES1W, ME3W, MED4, STV4	Advanced Safety & Convenience Features	1	ASCF	ES1W, ME3W, MED4, 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

The fourth quarter technical quiz (TQ0418) became available on 10/1/2018 and will continue through midnight 12/31/2018. Successful completion of the technical quizzes are **required** for Service Technicians who wish to obtain or maintain DiamondPro Certification.




<h1 style="margin: 0;">TECHLINE</h1> <p style="margin: 0;">(800) 446-6064</p>		<p>HOURS OF OPERATION: Monday – Friday 6:30 am - 3:30 pm Pacific Time</p> <p>Techline is closed every other THURSDAY 9:30 - 10:30 A.M. (PST) for a staff meeting.</p>
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<h1 style="margin: 0;">MEDIC</h1> <p style="margin: 0;"><i>Information</i></p> <p style="margin: 0;">MEDIC Hotline (800) 846-7575</p>		<p>HOURS OF OPERATION: Monday – Friday 7:00 am - 4:00 pm Pacific Time</p> <p>MEDIC Hotline will assist with MEDIC & Scan Tool hardware or software issues.</p>
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<h1 style="margin: 0;">Bulletin Review</h1>		<p>Since Tech Talk 242, the following bulletins have been released.</p>
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2018 Technical Service Bulletins, Safety Recalls, & Service Campaigns			
Date Posted	Publication Number	Publication Title	Applicable Models
10/2/2018	SR-18-007	FCM-ECU Reprogramming - Safety Recall Campaign	2018-19 Eclipse Cross, 2017-18 Outlander, 2018 Outlander PHEV, 2018 Outlander Sport/RVR
10/2/2018	SR-18-008	ASC Hydraulic Unit ECU Reprogramming - Safety Recall Campaign	2018 Eclipse Cross, 2017-18 Outlander, 2018 Outlander PHEV, 2018 Outlander Sport/RVR
10/18/2018	TSB-18-00-011	General PDI Procedures for 2018 Outlander PHEV - Revised	2018 Outlander PHEV
10/18/2018	TSB-18-00-012	Technical Specifications - 2019 Mirage	2019 Mirage
10/18/2018	TSB-18-00-013	New Model Features & Service Information - 2019 Mirage	2019 Mirage
10/18/2018	TSB-18-00-014	Technical Specifications - 2019 Mirage G4	2019 Mirage G4
10/18/2018	TSB-18-00-015	New Model Features & Service Information - 2019 Mirage G4	2019 Mirage G4
10/18/2018	TSB-18-52B-001	Mirage & Mirage G4 SRS Warning Lamp Illumination DTC B1479	2014-19 Mirage, 2017-19 Mirage G4
10/18/2018	TSB-18-54-010	Unable to Re-Register Immobilizer ID After Replacing ETACS ECU - Revised	2014-16 Outlander



TIN/ATIN Review



Since Tech Talk 242, the following TINs/ATINs have been released.

2018 Technical Information Notices, Advance Technical Information Notices

Date Posted	Publication Number	Publication Title	Applicable Models
10/2/2018	ATIN-18-SR-007-A	FCM-ECU Reprogramming Safety Recall Campaign	2018-19 Eclipse Cross, 2017-18 Outlander, 2018 Outlander PHEV, 2018 Outlander Sport/RVR
10/2/2018	ATIN-18-SR-008-A	ASC Hydraulic Unit ECU Reprogramming Safety Recall Campaign	2018 Eclipse Cross, 2017-18 Outlander, 2018 Outlander PHEV, 2018 Outlander Sport/RVR
10/3/2018	TIN-18-13-003	Engine ECU Software Update in TSB-18-13-001 & TSB-18-13-002 Addresses Both DTC P0068 & P061A	2018 Eclipse Cross
10/3/2018	TIN-18-54-004	Urgent Dealer Notification for TSB-18-54-005	2018 Outlander PHEV
10/4/2018	TIN-18-54-004REV	Software Update Issue Resolved for TSB-18-54-005	2018 Outlander PHEV
10/23/2018	TIN-18-00-010	Michigan Department of State Letterhead - Takata Recalls	2004-07 Lancer, 2006-09 Raider, 2012-17 i-MiEV



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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).