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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 00 – General

BATTERY DISCHARGE DURING VEHICLE STORAGE — All models.

All vehicles in dealer storage must be monitored for proper battery condition and state of charge. A new vehicle that will not start because of a discharged battery raises a red flag to a potential customer and could potentially create problems with other vehicle systems. Problems with other systems may not be realized immediately and may show up after vehicle delivery. The result is that the customer may provide low scores on IQS and CSI surveys. Positive results in these surveys are critical to the future expansion of the dealer and MMNA's customer base. Details on maintaining proper battery state of charge can be found on the MDL at: "service —> service and parts mgt —> VIMS Information." Please refer to Warranty Bulletin WB-2005-008 for additional information.

GROUP 27 – Rear Axle

✓ AYC/ACD HYDRAULIC PUMP BLEEDING PROCEDURE — 2008-15 Lancer Evolution, 2009-15 Lancer Ralliart.

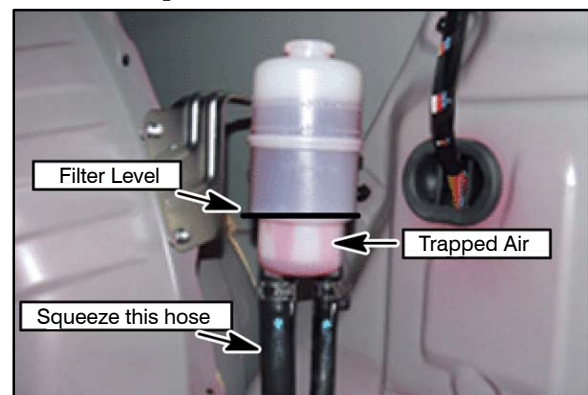
In case of difficulty bleeding the AYC/ACD system on Lancer Evolution and Ralliart vehicles, the applicable Mitsubishi service manual correctly describes the bleeding procedure necessary when replacing the AYC/ACD hydraulic pump or related components. However, if the system is not properly bled, unusually loud noises will be heard when the pump operates.

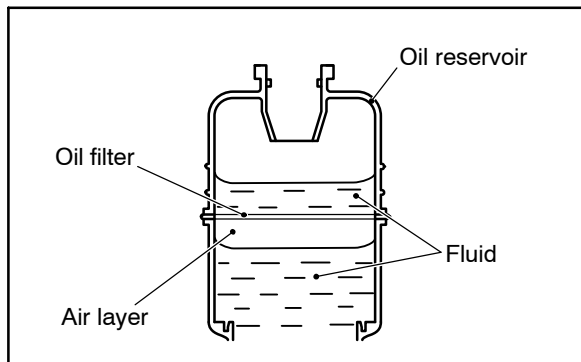
Following are four tips to help you successfully complete the bleeding procedure:

1. A heavy click/clunk noise can be heard after starting the vehicle and depressing the brake pedal (approximately 2 seconds after vehicle start up), or while the brake pedal is depressed and the vehicle is then started. The clunk is due to air being trapped in the AYC/ACD system. Continue bleeding the system until the noise is eliminated.

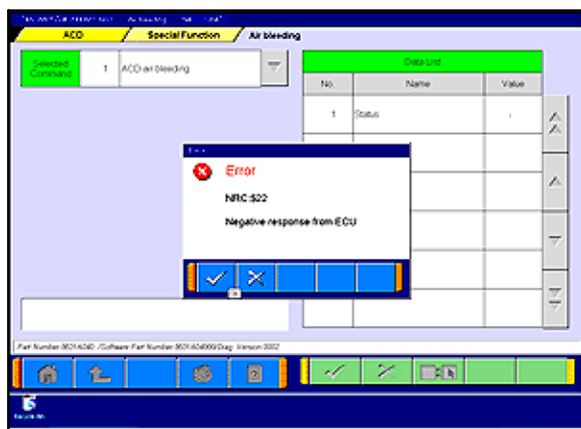
2. ATF is not filling the area below the filter in the AYC/ACD reservoir. If the bottom 1/3 of the reservoir is not filled with fluid (see photo and diagram below) after pouring ATF into the AYC/ACD reservoir, squeeze the large inlet hose several times. This will help displace the trapped air and fill the lower 1/3 of the reservoir prior to bleeding the system. If trapped air is not removed, it may be drawn into the hydraulic system during bleeding.

NOTE: It is recommended that you remove the inner trunk panel to view this area of the reservoir.





3. If you encounter a negative response message from MUT3 SE while attempting to start the bleeding procedure for the AYC/ACD pump, check the steering wheel position. The steering wheel must be at the straight ahead position for the activation procedure to begin.



4. After starting the bleeding procedure following service manual directions, keep the reservoir fluid full to prevent air from being drawn into the AYC/ACD system.

For additional information, refer to the procedure in the applicable service manual.

GROUP 42A – Body

IMPROPER DOOR GLASS FUNCTION — 2013-15 Outlander Sport/RVR.

In some vehicles, the door glass may chatter or bind during operation, possibly causing the regulator and/or the glass attaching clips to be damaged. TSB-16-42A-001 instructs dealers to inspect the door glass free play between the front and rear run channels. If excessive free play exists, the glass may not operate properly while moving up and down. Please follow the TSB to confirm proper window sash adjustment and glass free play before completing a repair in this area.

GROUP 51 – Exterior

DRIP MOLDING LOOSE OR FALLING OFF — 2017-18 Outlander.

Before replacing any drip moldings for complaints of drip moldings being loose, please take photos of the loose drip molding, the roof area, and the drip molding clip. Post the photos in the PRC.



For those cases where the drip molding is missing altogether, proceed with taking photos of the roof area and drip molding clip(s) and post the photos in the PRC.



Drip Molding Clip
(with missing drip
molding)



GROUP 54 – Chassis Electrical

SMARTPHONE LINK DISPLAY AUDIO SYSTEM (SDA, 7" SCREEN) WITH APPLE CARPLAY™ AND ANDROID AUTO INCORRECT VOICE COMMANDS — 2017-18 Outlander, 2018 Outlander Sport/RVR.

After pressing and releasing the steering wheel SPEECH button to initiate voice command through the Smartphone Link Display Audio (SDA) system (with 7-inch touchscreen), saying an incorrect voice command will generate an SDA system response of "the volume is too loud, please try again." This phenomenon is frequently noticed on the initial screen that comes up after initiating voice command, as shown in the following photo. The "Seek Up" command (radio station change) should only be used when in FM/AM mode, and "Track Up" only when in Bluetooth® audio/iPod® mode. Saying a command that is not listed in the SDA screen can also generate the same system response. Always refer to pages 88-90 of the Smartphone Link Display Audio owner's manual for the correct voice command list.



✓ **"THIS FUNCTION IS NOT SUPPORTED" MESSAGE ON SDA (6.5" SCREEN)** — 2017 Lancer (Limited Edition), Mirage, Mirage G4, Outlander Sport/RVR (Limited Edition).

NOTE: This article is being reprinted to add additional affected models equipped with this audio system.

The Smartphone Link Display Audio (SDA) system (with 6.5-inch touchscreen and CD player) on the models listed above may display the message "This function is not supported" when a customer pushes the voice recognition button on the steering wheel controls.



This can happen whether or not a phone is paired to the SDA (without a cable), as shown in the two following examples.



Dealers should explain that this system does **NOT** have the voice command feature, even when a phone is paired. To initiate a call, the user must press the phone icon on the display screen. When a paired phone is connected to the SDA via a cable, and Apple™ Carplay or Android Auto is operating, the voice recognition button on the steering wheel will enable voice recognition, but **ONLY** through the phone's own voice command function (provided the phone is equipped with that feature).

GROUP 60 – Recalls

ATIN-17-SR-004-A: LANCER PASSENGER SIDE FRONTAL AIR BAG INFLATOR SAFETY RECALL CAMPAIGN — 2004 Lancer Sportback, 2004-06 Lancer, Lancer Evolution.

ATIN-17-SR-004-A was released recently and states:

“A recall campaign, SR-17-004, superseding SR-14-012 will be released tomorrow, for the front passenger air bag inflator equipped on certain 2004 – 2006 Lancer vehicles built August 4, 2003 – August 28, 2006; 2004 Lancer Sportback vehicles built August 4, 2003 – January 23, 2004; and 2004 –2006 Lancer Evolution vehicles built February 11, 2004 – September 1, 2006. **All unrepaired vehicles from SR-14-012 have been moved to SR-17-004. A new air bag inflator (part # 7030A950) is used in SR-17-004. Effective immediately, do not install part # 7030A696 on any vehicle. If campaign C1414A was performed on any vehicle prior to receipt of this notice, please enter the claim in the Warranty system by October 10, 2017 to be appropriately reimbursed. Repairs made after October 5, 2017 using part # 7030A696 will not be eligible for reimbursement.** The Recall Campaign Bulletin, SR-17-004, outlining the repair procedure will be available tomorrow on MEDIC and MDL.

Vehicles equipped with a front passenger Takata air bag inflator containing ammonium nitrate, are at risk of inflator rupture during a collision. An inflator rupture may cause metal fragments to pass through the air bag and into the vehicle interior at high speed, which may result in injury or death to vehicle occupants.

Notification letters will be sent to owners of affected vehicles on October 12, 2017, requesting they contact their local Authorized Mitsubishi Motors dealership to schedule an appointment to have this recall performed. A sample copy of the owner notification letter is included for your reference.

Some Authorized Mitsubishi Motors dealers have been force allocated new inflator stock using a formula based on the proximity and percentage of applicable registered VINs by ZIP code. Parts shipments were processed via the ‘R’ order type and started shipping along with your scheduled stock order beginning 10/04/2017. Dealers may place additional orders via the MDL. Please refer to Parts Bulletin LN-IF-01-17 for additional information.

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 (C1704A), please check for and complete any other open campaigns. Always obtain the customer’s approval before completing a campaign on a customer owned vehicle.

The replaced inflator must be returned to Takata directly. Dealers **must** follow the return shipping procedure outlined in SR-17-004. **Please note that the air bag inflator return process for this campaign may be different from other Takata air bag inflator campaigns (e.g., SR-15-007 and SR-16-002).**

Completion of this recall is an extremely important initiative for MMNA. To support completion of this recall, owners will be informed that a rental/loaner vehicle will be available to them during completion of this recall. Please prioritize this repair in your shop scheduling. To minimize inconveniences for your customers, please ensure every eligible customer is provided with a rental car upon request.”

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-17-SR-005-A: ELECTRICAL POWER CONTROL RELAY SAFETY RECALL CAMPAIGN — Certain 2015-16 Lancer, 2015 Lancer Evolution, 2015-17 Outlander, 2015-16 Outlander Sport/RVR.

ATIN-17-SR-005-A was released recently and states:

“A safety recall campaign will be conducted for electrical power control relays in certain 2015 – 2017 Outlander built from December 5, 2014 to August 24, 2016; 2015 – 2016 Lancer built from December 5, 2014 to March 3, 2016; 2015 Lancer Evolution built from December 5, 2014 to December 24, 2015; 2015 – 2016 Outlander Sport built from October 15, 2014 to July 8, 2016.

Do not sell or deliver any affected vehicles in your new vehicle inventory 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.

Due to an inappropriate maintenance procedure used on a welding machine at a relay supplier, welding of components within the relay may have been performed incorrectly resulting in improper electrical conduction. As a result, one of the following conditions may occur depending on which system is using the defective relay:

- If the relay for the engine control unit fails, the engine will stall while driving and cannot be restarted. An engine stall while driving can increase the risk of an accident.
- If the relay for the engine valve lift control fails, the engine warning lamp will illuminate and fail-safe mode will be activated, limiting available engine power.
- If the relay for the radiator fan fails, the engine coolant temperature will rise, the coolant temperature warning lamp will illuminate, and the engine may overheat.

Recall Campaign Bulletin SR-17-005, outlining the repair procedure, will be made available today on MDL and MEL. **The specific relay to be replaced are model and engine specific.** Prior to starting repairs, it is important that you first check the Warranty Superscreen for the applicable Campaign Operation Numbers. Cross reference the Campaign Operation Numbers with the chart in the RELAY REPLACEMENT PROCEDURE section in SR-17-005 to determine the correct relay(s) to replace.

Some dealers will be force allocated Electrical Power Control Relays stock using a formula based on the proximity and percentage of applicable registered VINs by ZIP code. Parts shipments are processed via the 'R' order type and started shipping along with your scheduled stock order beginning 10/18/2017. Please refer to Parts Bulletin ER-LO-01-17 for additional information.

Customer letters are scheduled to begin mailing on October 24, 2017. Copies of the customer letters are attached for your reference.

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 (C1705A, C1705B, or C1705C), **please check for any other open campaigns. Some affected vehicles may have SR-16-005, SR-16-006, SR-16-011, and/or SR-17-002 recalls still open. Please ensure you have adequate inventory of affected parts to complete all open recalls.** 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 2017 – December 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

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

Dec					
M	T	W	Th	F	
27	28	29	30	1	
4	5	6	7	8	
MED4	STV4		ES2		
11	12	13	14	15	
18	19	20	21	22	
	ER1			H	
25	26	27	28	29	
H	H	H	H	H	

Atlanta Technical Training Center

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

Dec					
M	T	W	Th	F	
27	28	29	30	1	
		PHEV		PHEV	
4	5	6	7	8	
	PHEV		PHEV		
11	12	13	14	15	
	PHEV		PHEV		
18	19	20	21	22	
	PHEV		PHEV	H	
25	26	27	28	29	
H	H	H	H	H	

WESTERN ZONE

Dallas Technical Training Center

Nov					
M	T	W	Th	F	
30	31	1	2	3	
ASCF	ASCF2		ER1		
6	7	8	9	10	
13	14	15	16	17	
STV4	MED4		ES2		
20	21	22	23	24	
	TC-SST			H	H
	ABS2				
27	28	29	30	1	

Dec					
M	T	W	Th	F	
27	28	29	30	1	
4	5	6	7	8	
		MFI			
11	12	13	14	15	
STV4	MED4		ES2		
	ASCF2		ER1		
18	19	20	21	22	
	ES3			H	
25	26	27	28	29	
H	H	H	H	H	

California Technical Training Center

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

Dec					
M	T	W	Th	F	
27	28	29	30	1	
4	5	6	7	8	
11	12	13	14	15	
18	19	20	21	22	
				H	
25	26	27	28	29	
H	H	H	H	H	

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	Vehicle Specific		
Brakes			Eclipse Spyder Convertible Top (Top Stack)	1	SP3 No Prerequisites
Antilock Brakes	2	ABS2 ES1W	Mitsubishi Electric Vehicle Technician Training	2	MEVTT AESP, ES1W, ES2, STV4, ME3W, MED4, 120
Electrical Systems			Plug-In Hybrid Electric Vehicle	2	PHEV MEVTT
Electrical Systems 2	3	ES2 ES1W	Vehicle Diagnostics		
Electrical Systems 3	2	ES3 ES1W	Advanced Electronic Service Procedures	-	AESP No Prerequisites
Engine Performance			Advanced Safety & Convenience Features	1	ASCF ES1W, ME3W, MED4, STV4
Advanced Emission Diagnosis	3	AED ES1W, STV4, MFIT2	Advanced Safety & Convenience Features 2	1	ASCF2 ASCF, ES1W, ME3W, MED4, STV4
Engine Repair	3	ER1 ERFW, ES1W, ME3W, MED4, STV4	MEDIC4	1	MED4 ME3W
Multipoint Fuel Injection	4	MFIT2 ES1W, STV4	Scan Tool Viewer 4	1	STV4 No Prerequisites
Heating & A/C Systems					
Climate Control	2	CC1 MACW, ES1W, ME3W, MED4, STV4			

NEWS:

The 4th quarter technical quiz (TQ0417) is now available at MitsubishiAcademy.com. It will be available through midnight December 31st and is required for Service Technicians who wish to obtain or maintain Diamond Pro Certification. Also, the Eclipse Cross Web Course (NMNS) was launched at the beginning of October. The NMNS course features the highlights for the Eclipse Cross as well as the Mirage, Mirage G4, Outlander, and Outlander Sport. The Eclipse Cross features a 1.5L Turbocharged Engine with both Multipoint Fuel Injection and Direct Injection to deliver performance driven horsepower and torque. Successful completion of the new model course is required for service technicians and shop personnel. The course is strongly recommended for parts personnel.

TECHLINE

(800) 446-6064



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

Beginning October 26, Techline is closed every **other THURSDAY** 9:30 – 10:30 A.M for a staff meeting.



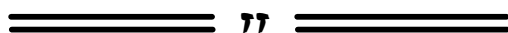
MEDIC Information

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.

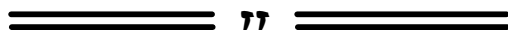


Bulletin Review



Since Tech Talk 234, the following bulletins have been released.

2017 Technical Service Bulletins, Safety Recalls, & Service Campaigns			
Date Posted	Publication Number	Publication Title	Applicable Models
10/5/2017	SR-17-004	Lancer Passenger Side Frontal Air Bag Inflator – Safety Recall Campaign	2004 Lancer Sportback, 2004–06 Lancer, Lancer Evolution
10/10/2017	TSB-17-52B-002	Updates to Side Airbag Module Removal & Installation – Service Manual Revision	2014–18 Mirage, 2017–18 Mirage G4
10/10/2017	TSB-17-52B-003	Updated SRS Procedures for Seat Slide Sensor & Seat Belt Switch – Service Manual Revision	2014–15 Mirage
10/17/2017	SR-17-005	Electrical Power Control Relay – Safety Recall Campaign	Certain 2015–16 Lancer, 2015 Lancer Evolution, 2015–17 Outlander, 2015–16 Outlander Sport/RVR
10/24/2017	TSB-17-14-002	Engine Coolant Updates – Service Manual Revision	2014–17 Outlander



TIN/ATIN Review



Since Tech Talk 234, the following TINs/ATINs have been released.

2017 Technical Information Notices, Advance Technical Information Notices			
Date Posted	Publication Number	Publication Title	Applicable Models
10/4/2017	ATIN-17-SR-004-A	Lancer Passenger Side Frontal Air Bag Inflator Safety Recall Campaign	2004 Lancer Sportback, 2004–06 Lancer, Lancer Evolution
10/17/2017	ATIN-17-SR-005-A	Electrical Power Control Relay Safety Recall Campaign	Certain 2015–16 Lancer, 2015 Lancer Evolution, 2015–17 Outlander, 2015–16 Outlander Sport/RVR



100 YEARS!!



100th Anniversary  **A century of innovation.**
Mitsubishi automobiles.

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

ON THE COVER: 2012 i-MiEV EVOLUTION RACING PROTOTYPE AT PIKES PEAK

In 2012, Mitsubishi Motors entered two i-MiEV vehicles in the Pikes Peak International Hill Climb (PPIHC). One of them, an advanced i-MiEV Evolution racing prototype driven by Hiroshi Masuoka, claimed second place in the Electric Vehicle (EV) division.

2012: 30th ANNIVERSARY IN U.S.



In 2012, Mitsubishi Motors celebrated 30 years in the United States. Also in 2012, the all-electric i-MiEV was launched in the U.S. and named the "Greenest Vehicle of 2012" by the American Council for an Energy Efficient Economy.

2014: MiEV EVOLUTION III AT PIKES PEAK



In 2014, a pair of MiEV Evolution III all-electric prototypes placed first and second in the Electric Vehicle division in the 92nd Pikes Peak International Hill Climb. Driver Greg Tracy's first-place finish was only 2.4 seconds behind the overall race winner, a gasoline LeMans sports car prototype, proving that electric vehicles are a dominant force in this challenging competition.

2014: MIRAGE DEBUT



In 2014, the Mirage 5-door sub-compact debut marks the return of Mitsubishi's lovable and popular small vehicle offering, and does so as the most fuel-efficient non-hybrid gasoline-powered vehicle available in America at the time.



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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).