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Mitsubishi Motors Launches Industry-First Digital Retailing Program, Connects Prequalified Shoppers to Dealer In-Store Capabilities For A Transparent and Faster Car Buying Experience.

Mitsubishi Motors North America, Inc. (MMNA), has partnered with AutoFi Inc. and Santander Consumer USA to launch ClickShop 2.0, an industry-first digital solution. ClickShop 2.0 connects the car-buying journey from Mitsubishi Motors' Tier-1, and its dealer partner's Tier-3, websites directly to the Mitsubishi dealer showrooms, delivering an unparalleled and seamless shopping experience.

Through ClickShop 2.0, Mitsubishi Motors will become the first U.S.based auto manufacturer to offer a personalized shop-by-payment on its manufacturer and dealerpartner websites, leveraging the prequalification capabilities of Santander Consumer USA, all through a system powered by AutoFi. Based on just a soft credit-pull, consumers can see all in-stock vehicles that meet their financing qualifications, and then confidently shop those vehicles by payment to select a car that fits their budget and needs.

Click the image above to read more.



TECH TALK - VOLUME 279 MARCH/APRIL 2024

TECHNICAL INFORMATION

WHEEL LOCKS ON FACTORY SPARE TIRE

AFFECTED VEHICLES

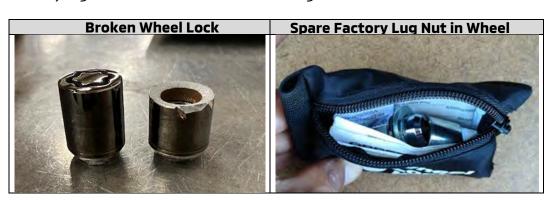
2020-2024 MIRAGE 2020-2024 MIRAGE G4

PART INFORMATION

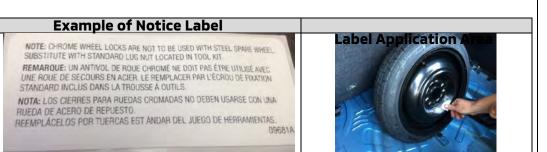
MZ312852 – Wheel Locks Set, Chrome MZ315200 – Wheel Lugs and Lock Set, Black

CONCERN

When installing factory spare tire, which is on a steel wheel, do not use a wheel lock to secure the wheel. Due to the steel wheel's thickness being less than the alloy wheel's thickness, more of the wheel stud is exposed. If the wheel lock is installed on the steel wheel, it will bottom out and break when fully torqued. The customer and dealer need to utilize the spare factory lug nut stored in the wheel lock bag.



If the wheel lock set is installed prior to dealer delivery, a Notice Label for this condition is already installed on the factory spare tire. If the wheel lock set is installed at the dealer, this Notice Label is included with the kit and must be installed on the factory spare tire.



OUTLANDER SPORT KEY PROGRAMMING CONCERNS

AFFECTED VEHICLES

2022 Outlander Sport

CONCERN

When programming a new key for the 2022 Outlander Sport be sure to check the back of the existing key for the number stamped on it. There are 2 key part numbers in the Parts manual and the new key must match the key being replaced.

The new part numbers should be used under the following conditions:

PNC	APPLICABLE MODEL	NEW PART No.	Q T Y	OLD PART No.	QTY.	REP
88912	GA2W, GA5W 2022 03 3 - 2022 05,2 TYPE A	8637D007	1	8637C803	2	R
88912	GA2W, GA5W 2022.03.3 - 2022.05.2 TYPE B	8637C803	1			

88912 KEY, KEYLESS OPERATION BLANK

Use condition:

When using service parts for a vehicle from a specific production period (see table), please check (he type of parts installed on the vehicle using one of the methods below and select the spare part number to use.

 When checking with the key (PNC: 88912)
 Check the number printed on the back of the key (see image below). If it is printed with GHR-M015-NSQ, please use type A, and if it is printed with G8D-744M-KEY-N 3P, please use type B.



2) When checking using MUT-3 Use MUT-3 to check the number of the control unit (PNC: 88605) used in the current vehicle. If 8637C933 is displayed, use type A, and if 8637A976 is displayed, use type B.

DTC DETECTION LOGIC

AFFECTED VEHICLES

2022-2024 Outlander

CONCERN

When inspecting a 2022 through current model Outlander for Diagnostic Trouble Codes, an All DTC check must always be performed and recorded. However, certain DTCs may be stored in both the Engine Control Module and Transmission Control Module and may not be picked up during the All DTC check. These additional DTCs are two drive cycle detection logic that may have only been detected during one drive cycle but not the second. Be sure to enter these modules individually to confirm there are no additional DTCs stored. If additional DTCs are detected, be sure to record any related freeze frame data as part of normal information gathering and documentation.



AUTO CONFIGURATION SERVER ERROR

AFFECTED VEHICLES

2022-2024 Outlander

CONCERN

After replacing a Control Unit during auto configuration, the progress bar may load to 51% - 56% and then displays a server error. This can occur for several reasons. First the Control Unit needs to be programmed before Auto Configuration can be completed. Second, the Control Unit was programmed with the incorrect part number and needs to be re-programmed with the correct part number before Auto Configuration can be completed.

Outlander (DG) Control Unit programming part number list can be found on MDL > Service > Service Tech Resources > Programming Reference Table



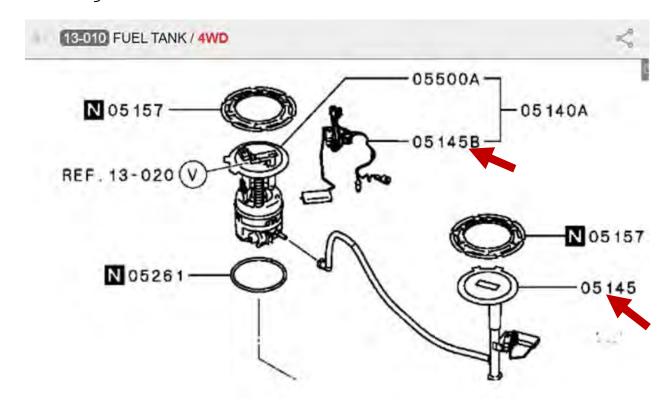
FUEL/NO START CONCERNS

AFFECTED VEHICLES

2022-2024 Outlander

CONCERN

When encountering a vehicle that will not start and has no fuel pressure, before condemning the fuel pump, first do a visual check to verify that there is sufficient fuel in the tank. In certain situations the fuel gauge may display that there is adequate fuel but upon disassembly the tech discovers that the tank is dry. Many times adding fuel results in the vehicle starting as it should, which should direct the tech to checking the level sensor, or sensors if it is AWD. This quick extra step in the diagnostic process could help prevent unnecessary fuel pump replacement and result in a more accurate repair. If a fuel level sensor is faulty, is it not necessary to replace the entire fuel pump as each sensor is available as a separate part. Tech Talk 276 has additional information regarding fuel level sensor diagnostics.



4 of 14 TT279

PERFORMING FORWARD COLLISION MITIGATION (FCM) CALIBRATION

AFFECTED VEHICLES

2022-2024 Outlander

CONCERN

When performing calibration for the front camera (FCM) unit on a MY22+ Outlander, you may receive an error stating aiming incomplete with a numeric error code. Attached is a chart to help you determine what the error code is for. Most commonly the error message is due to incorrect measurements or ambient lighting, although not limited to other factors such as an aftermarket windshield or incorrect targets being used and background of the targets. To verify the windshield is OEM, you can simply look at the lower left corner and it should say AGC Automotive. The target board is required and ordered using the Mitsubishi part # "TARGETBOARD". Below are the most common errors received and some helpful insight that would help properly diagnose them:

- Error code 18 is often indication that the windshield may be aftermarket, but also can be related to the ambient lighting causing a reflection on the hood. For this we recommend putting a cover over the hood such as a fender cover to eliminate any reflections.
- Error 20 is an error that will be received if the measurement input is not correct or abnormal. To ensure proper measurements are made refer to the Driver Assistance System of the service manual.
- Error code 21 is also a common error we see when trying to perform the camera aiming
 which has been found to be related to the incorrect targets being used, as well as,
 possible reflection on the targets from the headlights. Another common cause for this
 error is the background of the targets, where it is likely the camera can not detect the
 difference between the white squares and the wall behind them. It is recommended to
 put something behind the targets such as a piece of cardboard to help with the
 differentiation.

OEM Windshield Identification:



Correct Targets:



PERFORMING FORWARD COLLISION MITIGATION (FCM) CALIBRATION (Continued)

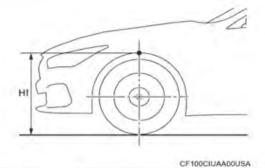
Error Chart:

Monitor item	- 1	Condition	
		When the camera aiming is normal completed	0
		When the front camera unit has an internal communication error	. 1
		When the front camera unit has an internal data error	2
		When the front camera unit has a target information error	3
		When the front camera unit has a aiming mode error	
	ignition wellch ON	When a timeout occurs	5
		When the front camera unit cannot transition to aiming mode	6
		When the front camera unit has a memory writing error	7
		When the condition of the front carriers unit installation is not correct	- 8 -
		When all correction values are outside the threshold	9
and a second		When NG reason is unknown	16
AM NG REASON		When the front camera unit cannot detect the target	18
		When the roll engile is outside the threshold	19
		When the front camera unit cannot calculate the aiming correction values	20
		When the front camera unit cannot read the distance to target board	25
		When the entered "Di" value is not correct	22
		When the entered "Ts" value is not correct	23
		When the yaw correction values are outside the threshold	24
		When the pitch correction values are outside the threshold	25
		When several targets are detected	26
		When an error is defected during the camera aiming	27
		When NG reason is unknown	255

How to calculate Dh measurement:

1. CHECK VEHICLE HEIGHT

Measure the wheelarch height.



2023 Model Year

Hff. Front left wheelarch height [mm]

Hfr. Front right wheetarch height [mm]

Dh(mm) = (Hfl+Hfr) +2 - 809 <Vehicles with 18 inch tire> Dh(mm) = (Hfl+Hfr) +2 - 813 <Vehicles with 20 inch tire>

2022 Model Year

Hill Front left wheelerch height (mm) Hir Front right wheelerch height (mm)

Dh(mm) = (Hfl+Hfr) +2 - 829

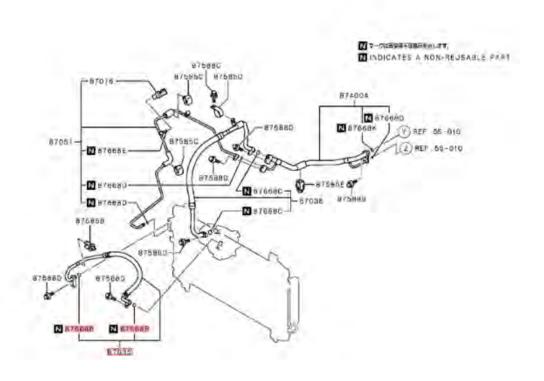
REFRIGERANT LEAKS

AFFECTED VEHICLES

2018-2024 Eclipse Cross

CONCERN

When a refrigerant leak is isolated to the seals at the A/C compressor discharge piping which connects the AC compressor to the Condenser, MMNA asks that technicians replace the seals using updated O-rings 92477W0210P and 92477W0220P.



GENUINE CHEMICAL PRODUCTS INFO: SUPER LONG LIFE COOLANT (All Models)

Product Information

- MZ313950, MZ341016EX: SUPER LONG LIFE COOLANT 30% Pre-mixed
- MZ341015EX, MZ341017EX: SUPER LONG LIFE COOLANT PREMIUM 50

Occurrence Phenomenon

When you open the product bottle, you may find that the additives in the liquid may have physically separated (refer to photo).





Cause

This substance in the liquid is caused by the dimerization or reaction of some corrosion inhibitors. The dimers/reaction may occur when the product bottle is kept in storage, in sunlight or stored for long periods of time. Dimer/reaction is also more likely to occur after the product has been opened. The corrosion inhibitor is a necessary component for the protection of metals and rubbers.

Countermeasures

- There is no need to remove the substance because the amount of additives that can become dimers is low and dimers will be re-dissolved when the engine warms up. There is no effect on engine performance even without removal of dimers.
- We recommend that you use this product as soon as possible after opening, and within one year from the manufacturing date. Also, by storing the product in a cool/dark location, it will help prevent dimerization.

Reference: Place of Manufacturing Date

 MZ341016EX, MZ341015EX, MZ341017EX: You can find the manufacturing date on the master pack and the bottle as shown below: "YYYY+MM+DD".





*Regarding MZ313950, "the manufacturing lot number" is printed on the master pack and the bottle instead of "the manufacturing date". If you need to know "the manufacturing date", please contact: MMNA-Service Support Mailbox <servicesupport@mmsa.com>.

GENERAL INFORMATION: ELECTRIC TAILGATE OPENS UNINTENTIONALLY

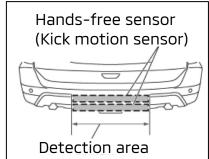
This article introduces the cause and confirmation method for the issue that the vehicle tailgate will open unintentionally.

Affected Models

Vehicles equipped Hands-free sensor (Kick motion sensor)

Cause

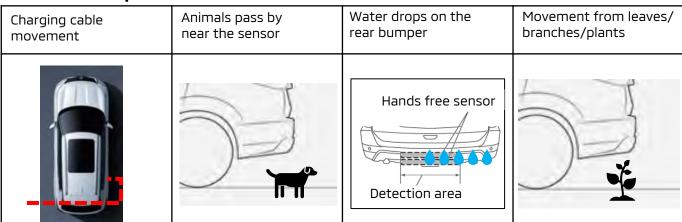
In cases such as those shown in Table 1, the Hands-free sensor may open the tailgate unintentionally. On the other hand, if the KOS (Keyless Operation System) key is far enough away from the car, the tailgate will not open unintentionally in these situations.



If customers claim their tailgate opens unintentionally, please check following items:

- ✓ When this issue occurs, please check if there were any objects within the detection area of Hands-free sensor.
- ✓ Does the customer store the KOS key within hands-free operable range?
 - ->Refer to 'How to check whether KOS key is within hands-free operable area'.

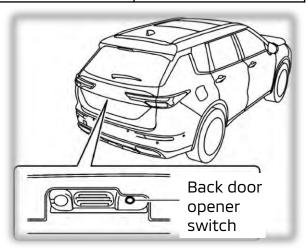
Table 1. Example situation when hands-free sensor make incorrect reaction



How to check whether KOS key is within hands-free operable area:

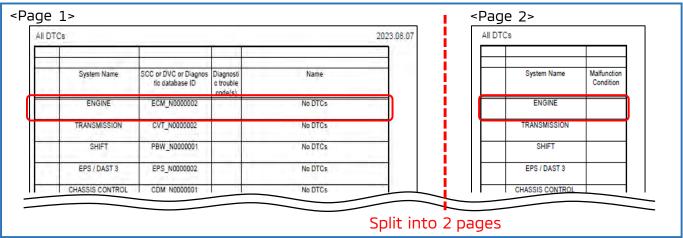
Leave the KOS key in the storage location:

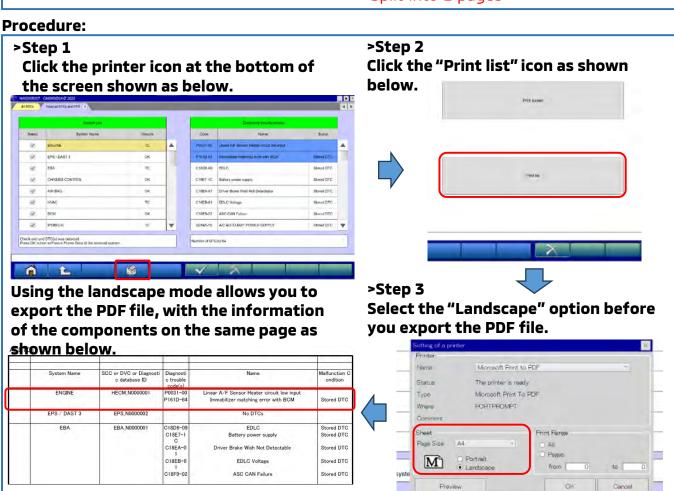
- Push the back door opener switch or
- 'Deliberately trigger the hands-free sensor' to make sure the car doesn't respond.



GENERAL INFORMATION: PRINTING ALL DTC DATA TO PDF FILE (All Models)

When issuing a PQR, we always request that you attach the vehicle's 'ALL DTC pages', but often we receive the PDF file with the information of each component split into separate pages as shown in the example below. This article introduces a recommended method of exporting the same information to a PDF file.





PRECAUTIONS: WATER INTRUSION INTO THE CONNECTOR (All Models)

The engine bay of the vehicle has numerous electronic devices and sensors. Improper car washing or maintenance can lead to water entering the connectors, causing various issues: engine stall and engine start failure. To prevent these issues, be sure to take the following precautions.

Precautions:

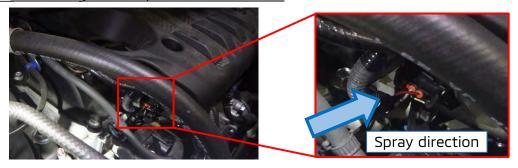
- 1. Do NOT splash water in the engine bay. When the underside of the vehicle is washed, please be careful to avoid water contact in the engine bay.
 - *Even with waterproof connectors, water can enter the connector during highpressure car washing.
- 2. Connector protection during maintenance.
 - During maintenance operations, sensors or connectors may be exposed to liquids: water or LLC.

When the connector is disconnected, please protect it with waterproof material: plastic tape or plastic bag.

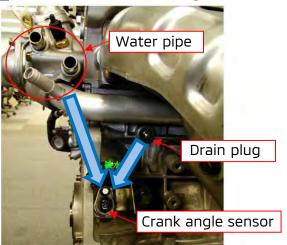


Example of Issue:

<u>4N14 - Common rail pressure sensor issue due to high-pressure car washing</u>. Worst case scenario: Engine stall, unable to restart.



4B1 - Crank angle sensor issue due to spilled LLC during water hose/drain plug removal. Worst case scenario: Engine cannot start.



SPARE PARTS INFORMATION: FRONT DOOR PULL HANDLE BRACKET CHANGE

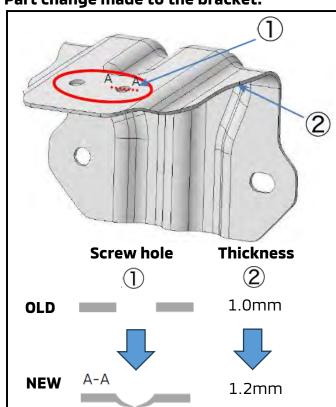
Due to the screw hole structure of the door pull handle bracket, strong opening/closing operations may cause the tapping screw to rotate and loosen, resulting a loose door handle with noise. To prevent this phenomenon from occurring, changes were made to the Bracket on the front left/right doors and specified the tightening torque as shown below.

For the tightening torque, the Online Service Manual has been updated, or you may refer to TSB-23-52-001 issued in September 2023.

AFFECTED MODELS

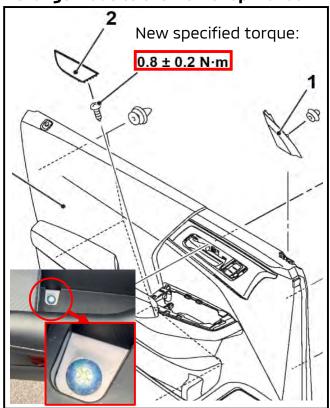
2023-2024 OUTLANDER PLUG-IN HYBRID (GNOW) 2022-2024 OUTLANDER (GMOW)

Part change made to the bracket:



Change made to the workshop manual:

67488G



Part Name	Old Part Number	New Part Number
BRACKET, FR DOOR PULL HANDLE	7222B632	7221AW000P

WARRANTY INFORMATION

FORWARD DISTANCE WARNING SENSOR & BRACKET

AFFECED VEHICLES

2022-2024 Outlander

LABOR OPERATION

54835710

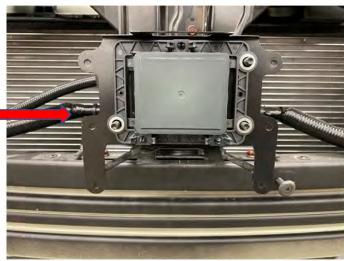
PART NUMBERS

8639A329 8638A522

CONCERN

The MMNA Warranty Department has noticed a recent rise in claims for the Forward Distance Sensor Bracket on the 2022 and newer Outlander. This bracket is located directly behind the bumper fascia and serves as the mount for the Forward Distance Warning Sensor. When this bracket is installed, it is secured in a way that will maintain position for the life of the vehicle and will not fail, fatigue, and/or experience misalignment of the sensor without outside influence such as impact to the front bumper. This damage is not a warrantable condition. When diagnosing the vehicle, shine a light down beside the hood latch to the location of the bracket making sure to view each side thoroughly. Compare those findings to that of a vehicle known to be in proper working order. In addition, check the vehicle thoroughly for evidence of front impact damage, including but not limited to, damage to the paint, dents, body misalignment, etc. Lower impact damage may not be easily identifiable with damage to the fascia thus the need to thoroughly examine the bracket itself as shown in the images below. It's important to explain to the customer the reason for this being a non-warrantable condition for their awareness. Should the Dealer and/or the DPSM feel that this is a loyal Mitsubishi customer and would like to offer goodwill, contact your DPSM, and submit a claim by placing the claim in PWA-Hold for final approval adhering to Goodwill Policy for review.

Verify the front plate and its components are fully intact and in alignment vertically and horizontally. Ensure no cracks, dents, bends and/or buckles are present.



FRONT VIEW

FORWARD DISTANCE WARNING SENSOR & BRACKET (Continued)



Inspect the brackets shown in the diagram on the left for any bending, crinkling, or buckling of the brackets. Verify the front plate is not pushed inward and is sitting correct

TOP VIEW



TSB/TIN/ATIN REVIEW

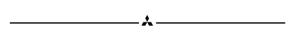
Since Tech Talk 278, the following bulletins have been published:

PUBLISH DATE	TSB/ATIN/TIN#	SUBJECT	MODELS
1/29/2024	TSB-24-55-002REV	A/C UNINTENTIONALLY TURNS OFF, REMAINS FF, OR THE TEMPERATURE SETTING CHANGES	2022-2024 OUTLANDER AND 2023-2024 OUTLANDER PLUG-IN HYBRID
	TSB-24-00-002	LOAD CARRYING CAPACITY REDUCED LABEL	ALL MODELS
	TIN-21-37-001REV3	PHOTO REQUIRED CONDITION (PRC) FOR VEHICLE PULLING/DRIFTING AND STEERING WHEEL OFF- CENTER CONCERNS - REVISED	2018-2020/2022-2024 ECLIPSE CROSS, 2014-2024 MIRAGE, 2017-2024 MIRAGE G4, 2014-2020/2022-2024 OUTLANDER, 2018-2022/2023-2024 OUTLANDER PLUG- IN HYBRID AND 2016-2024 OUTLANDER SPORT
2/14/2024	TSB-24-23-003	ADDITION OF BELT AND PULLEY REPLACEMENT PROCEDURE FOR CVT F1CJD AND W1CJD - SMR	ADDITION OF BELT AND PULLEY REPLACEMENT PROCEDURE FOR CVT F1CJD AND W1CJD - SMR
	TSB-24-23-002	ADDITION OF ES COMMERCIAL FLEET MODEL DESCRIPTION - SMR	ADDITION OF ES COMMERCIAL FLEET MODEL DESCRIPTION - SMR
	TSB-24-23-001	PROCEDURE FOR DIAGNOSTIC TROUBLE CODE AND ON-VEHICLE SERVICE FOR BELT AND PULLEY ASSEMBLY ON CVT F1CJC AND W1CJC - SMR	2016-2017 LANCER, 2016-2017 LANCER SPORTBACK, 2015-2021 OUTLANDER SPORT, 2016-2020 OUTLANDER, 2018- 2020 ECLIPSE CROSS
	TSB-24-34-001	REAR SHOCK ABSORBER FLUID LEAK	2022-2023 OUTLANDER AND 2023 OUTLANDER PLUG-IN HYBRID
2/22/2024	TSB-24-11-001	DIFFICULT OR WILL NOT GO INTO "P" WHEN PARKING SWITCH IS PRESSED	2022-2023 OUTLANDER AND 2023 OUTLANDER PLUG-IN HYBRID
3/4/2024	TSB-20-23-001REV3	POTENTIAL TRANSMISSION SHUDDER/SURGE WITH POSSIBLE DTC (CVT-8) - REVISED	2018-2020/2022-2024 ECLIPSE CROSS, 2016-2017 LANCER, 2016-2020/2022- 2024 OUTLANDER, 2015-2024 OUTLANDER SPORT/RVR
	TSB-24-37-001	NOISE AND VIBRATION WHEN TURNING THE STEERING WHEEL	2022-2024 OUTLANDER AND 2023-2024 OUTLANDER LUG-IN HYBRID
3/7/2024	TSB-24-54-001	A/C WILL NOT TURN ON WHEN USING SMART PHONE APP FOR REMOTE ENGINE START	2024 ECLIPSE CROSS

IMPORTANT

Affected new or used vehicle inventory must be repaired before the vehicle is sold or delivered. Dealers must check their vehicle inventory 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 sell or deliver a new motor vehicle or any new / used motor vehicle equipment (including a tire) covered by the notification under a sale or lease until the defect or non-compliance is remedied.





TECHNICAL TRAINING COURSE SCHEDULE

Atlanta Technical Training Center - Southeast Region 801 Interstate West Parkway, Lithia Spring, GA 30122 (770) 732-3000 Airport: Atlanta (ATL)

	March '24					
Friday	sday	Wednesday Thursday		Monday		
	29	28	27	26		
	7	6	5	4		
CES	CES	CC1	CC1			
1	14	13	12	11		
2	21	20	19	18		
EECS	EECS	EECS	EECS			
2	28	27	26	25		

	April '24			
Monday	Tuesday	Wednesday Th	Friday	
1	2	3	4	5
	MED4	STV4	EL1	EL1
8	9	10	11	12
15	16	17	18	19
	PHEVG2TT	PHEVG2TT	PHEVG2TT	PHEVG2TT
22	23	24	25	26
	EECS	EECS	EECS	EECS
29	30	1	2	3

New Jersey Technical Training Center - Northeast Region 516 Heron Drive, Swedesboro NJ 08085 (856) 467-7100 Airport: Philadelphia (PHL)

		March '24			
Monday	Tuesday	Wednesday	Thursday	Friday	
26	27	28	29		1
	MED4	STV4	EL1	EL1	
4	5	6	7		8
	MED4	STV4	EL1	EL1	
11	12	13	14		15
	CES	CES	CC1	CC1	
18	19	20	21		22
			PHEVG2TT	PHEVG2TT	
25	26	27	28		29
	PHEVG2TT	PHEVG2TT	PHEVG2TT	PHEVG2TT	

		April '24		
Monday	Tuesday	Wednesday	Thursday	Friday
1	2	3	4	5
8	9	10	11	12
ADAS	ADAS	ER1	ER1	ER1
15	16	17	18	19
	MED4	STV4	EL1	EL1
22	23	24	25	26
	CES	CES	CC1	CC1
29	30	1	2	3
			PHEVG2TT	PHEVG2TT

Course Title	Days	Code	Prerequisites
Engine & Emission Control Systems (ILT)	4	EECS	ES1W, EL1, STV4, MED4, ME3W
Engine Repair (ILT)	.3	ER1	ES1W, EL1, STV4, MED4, ME3W
Climate Control (ILT)	2	CC1	ES1W, EL1, STV4, MED4, ME3W
Plug-In Hybrid Electric Vehicle (Virtual)	2	PHEVG2TT	EL1, STV4, MED4, DGPHEVWT
MEDIC4 (Virtual)	1	MED4	ME3W
STV4 (Virtual)	1	STV4	No Prerequisites
Electrical Systems 1 (Virtual)	2	EL1	ES1W
Advanced Driver Assistance Systems (ILT)	2	ADAS21TT	ES1W, EL1, STV4, MED4, ME3W
Chassis Electrical Systems	2	CES22TT	EL1, STV4, MED4, ME3W, ES1W
CVT OVERHAUL PROCEDURES	1	CVT	STV4, MED4, EL1, ATFW

Classes shaded in Green are (V-ILT) Virtual Instructor Led Training

MMNA technical on site training is not shaded

NOTE: CVT training will be provided in two formats.

Virtual instructor led training (V-ILT)
 Face-to-Face in person (F2F).

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NEWS & NOTES



NEWS RELEASE

MITSUBISHI MOTORS NORTH AMERICA, INC.

Public Relations Department 4031 Aspen Grove Drive, Suite 650 Franklin, TN 37068

www.mitsubishicars.com

MITSUBISHI MOTORS RECOGNIZED BY S&P GLOBAL MOBILITY FOR THE

"MOST IMPROVED ALTERNATIVE POWERTRAIN LOYALTY TO MAKE FOR 2023"

FRANKLIN, Tenn., Feb. 28, 2024 – Mitsubishi Motors North America, Inc. (MMNA) announced today that it has been recognized by S&P Global Mobility for having the "Most Improved Alternative Powertrain Loyalty to Make" for the 2023 calendar year¹. The award, part of S&P Global Mobility's 28th annual Automotive Loyalty Awards program, honors Mitsubishi's success in its ability to retain owners to both the brand and either a BEV or hybrid vehicle offering. This award adds to the Mitsubishi Outlander Plug-in Hybrid's ever-expanding collection of industry honors.

"S&P Global Mobility's Most Improved Alternative Powertrain Loyalty to Make Award is the latest in a growing assembly of accolades our flagship, the Outlander Plug-in Hybrid, has earned from industry experts, members of the media, and the car-buying public," said Mark Chaffin, CEO of MMNA. "This award is also further validation of our approach to electrification. MMNA is proud to offer an electric ambassador to EV-curious drivers by showing you can have the best of all worlds while our infrastructure grows to match the demand for electric vehicles."

The Mitsubishi Outlander Plug-in Hybrid is the perfect stepping-stone from today's internal combustion engine (ICE) vehicles to tomorrow's full battery-electric vehicles (BEV). Offering the range and ease of refueling of a conventional gasoline-fueled vehicle, and the clean and quiet motoring of an electric vehicle, the Outlander Plug-in Hybrid answers many of the questions today's motorists have about tomorrow's technologies. But its ability to operate on both electricity and gasoline also is the perfect destination vehicle for some customers too.

"In today's hypercompetitive market, retaining customers is more important than ever, said Joe LaFeir, president, Automotive Insights, S&P Global Mobility. "This year's Loyalty Awards winners have demonstrated effective marketing strategies that have resonated with customers and led to increased retention rates, which is commendable in this environment."

