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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

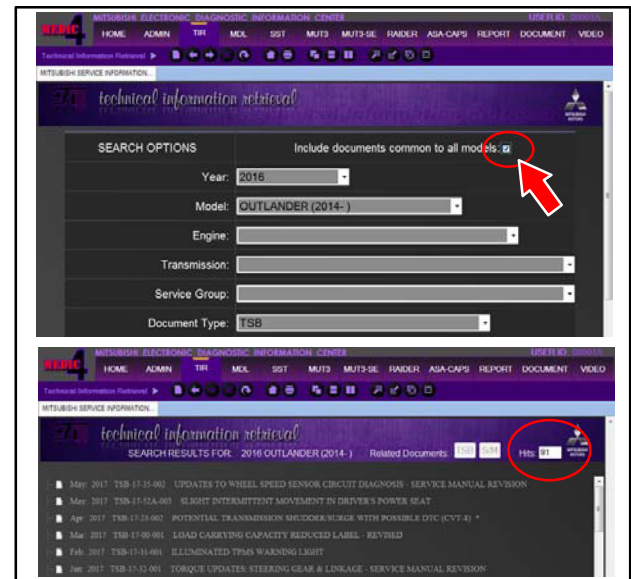
MEDIC TIR SEARCH TIP: INCLUDE DOCUMENTS COMMON TO ALL MODELS — All models.

When searching for Technical Documents within the Technical Information Retrieval (TIR) function of MEDIC try checking the box “Include documents common to all models” to get the most results. Without selecting this box, the MEDIC may not retrieve all documents that apply to the topic or model you are searching for.

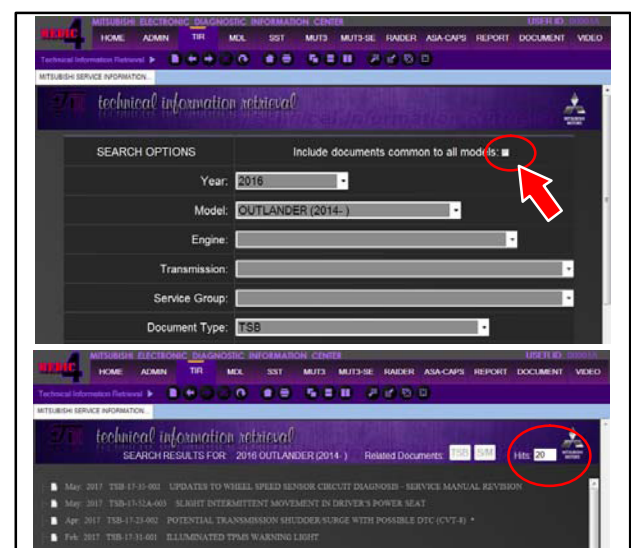
For example: When searching for all TSBs published for a 2016 Outlander:

Select Technical Documents on the 1st TIR search page, then select Year, Model, and Document Type: TSB, and select the check box next to “Include documents common to all models.”

In the example below, the results show 91 TSBs. These TSBs may apply to multiple models that include 2016 Outlander.



But if the check box is not checked to “Include documents common to all models,” then the results only show 20 TSBs, which may not include everything published for 2016 Outlander.



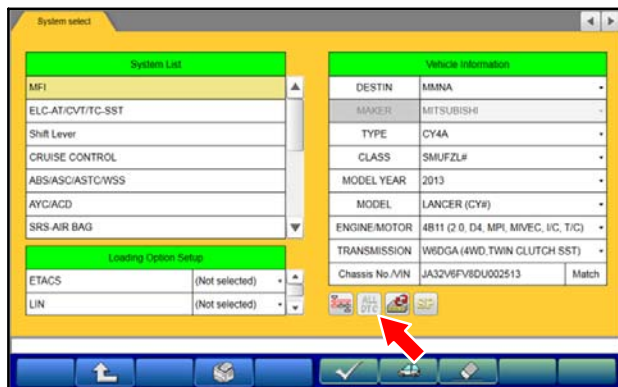
ATTACHING AN "ALL DTC LIST" OR "FREEZE FRAME DATA" TO TECHLINE CASE (USING MUT3-SE) — All models.

Follow the steps below to save and attach an "All DTC List" or "Freeze Frame Data" file to a Techline case.

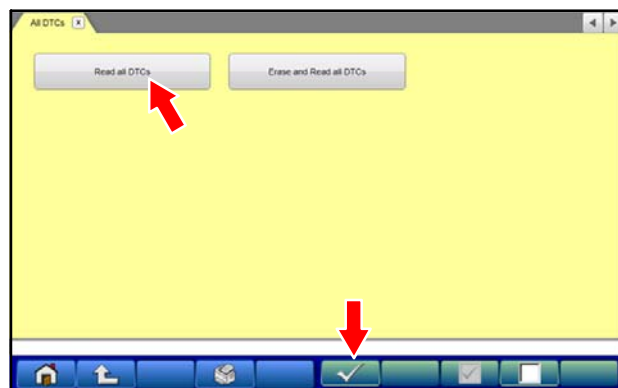
1. Open the MUT-III SE home page, and click "STV" to open the "System select" page.



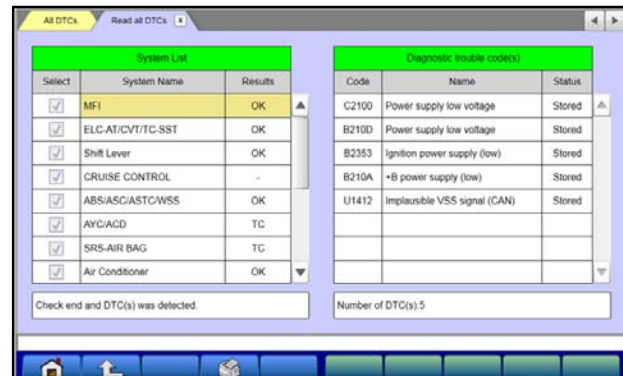
2. On the "System select" page, click the "ALL DTC" button.



3. Select "Read all DTCs" and click the check mark at the bottom of the page.



4. Your screen should look similar to the one below.

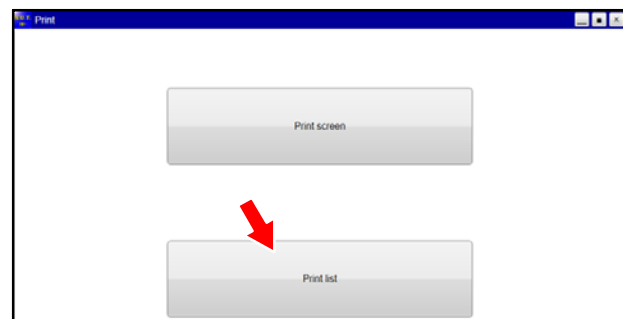


NOTE: To save a Freeze Frame Data file, select desired DTC and system, then select Freeze Frame Data.

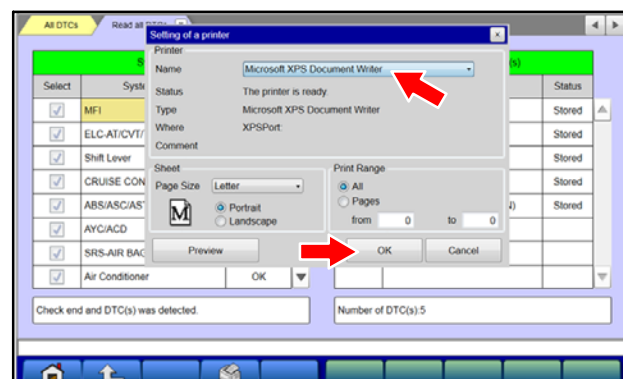
5. Select the Print icon.



6. Select "Print list."

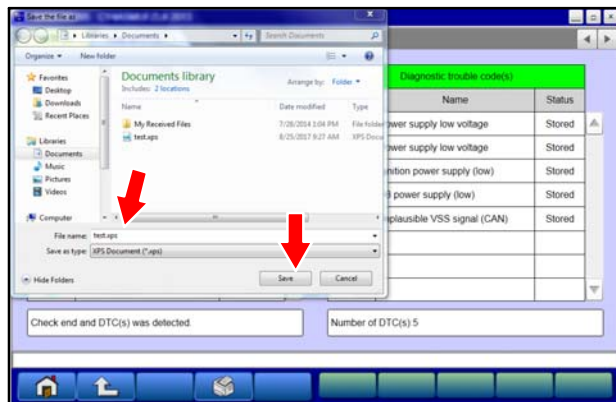


7. From the Printer Name drop-down list select "Microsoft XPS Document Writer," then hit OK.

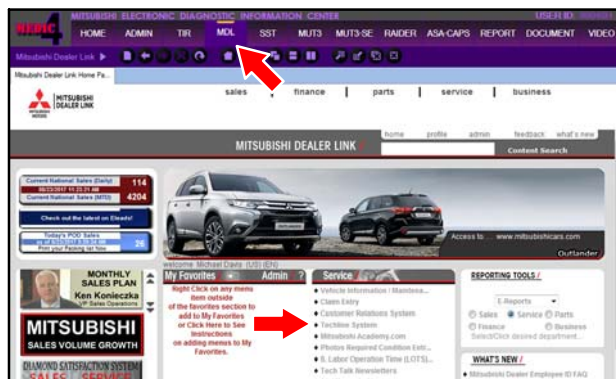


8. Name the file with the last 8 digits of the VIN and FFD or DTC to help identify the file before attaching to a Techline case. *For example: "EZ012345 DTC."* (In the following screen shot, the file is named "test.")

Then click “Save.” The file will be saved on the tablet hard drive.

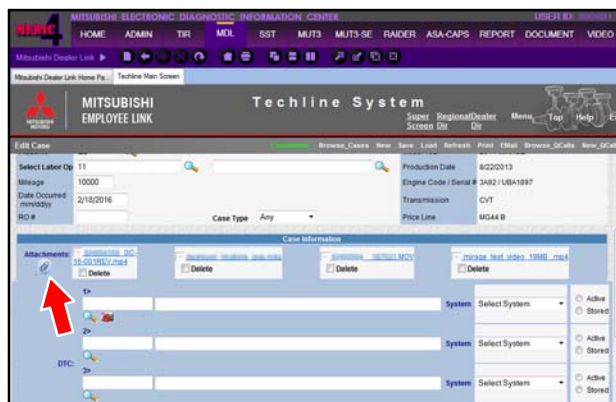


9. To attach the file to a Techline case, go to MDL from your MEDIC screen. Then click on “Techline System” under the Service portal.



10. In an open Techline case, click on the Attachments (paper clip) icon.

NOTE: The icon may be in a different location than the example below.

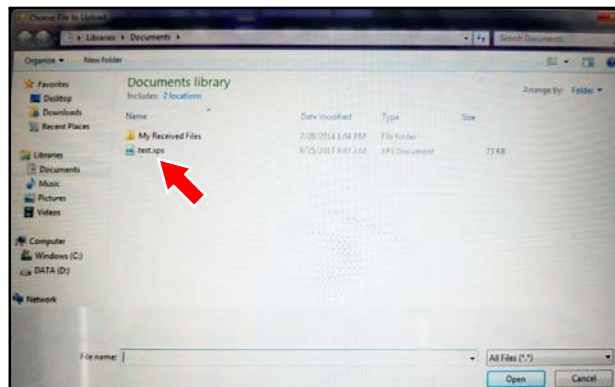


11. Click the “Browse” button to see all available attachments saved to the tablet hard drive.

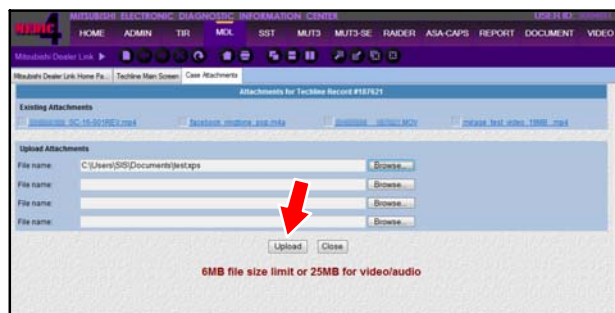


12. Select the xps file you saved earlier.

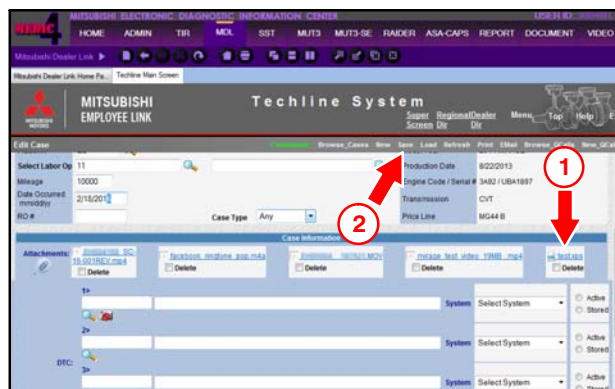
NOTE: Make sure the file is named with the last 8 digits of the VIN and FFD or DTC.



13. Once the file appears in the Upload Attachments, click the “Upload” button.



14. Verify the attachment is saved in the Attachments area of the Techline case. Then click “Save.”



NOTE: A MEDIC tablet was used in this procedure, no thumb drive required.

If necessary, contact Techline for assistance.

**TIN-17-00-005: PANASONIC TOUGHPAD
RECALL – PERMANENT REMEDY
AVAILABLE** —Panasonic Toughpad.

TIN-17-00-005 was released recently and states:

“MMNA previously issued TIN-17-00-002, informing you that Panasonic, the manufacturer of the Toughpad tablet which currently supports the MEDIC 4 software, has issued a recall for the tablet. During Panasonic’s investigation, and shortly after the issuance of TIN-17-00-002, MMNA deployed Panasonic’s temporary software remedy to all affected Toughpads.

Panasonic has since issued a revision to its initial recall, detailing the result of its investigation, and provided the permanent remedy details. The permanent remedy is twofold:

1. Battery replacement – the old defective battery will be removed and a new battery will be installed.
2. Firmware update – new firmware will employ new battery charge controls. The new firmware will employ 3 control mechanisms that control the charging of the battery. Any one of the controls can disable the battery charging process to minimize the risk of overheating and ignition.

Panasonic’s representatives will be making personal visits to your facility to perform the battery replacement and properly dispose of the old battery. The battery replacement should take no more than 5 minutes per device. One day prior to their arrival, Panasonic’s representatives will contact you to establish an acceptable arrival timeframe.

Once the recall has been completed on all Panasonic Toughpads that are currently being used in Mitsubishi dealerships in the U.S., Canada, and Puerto Rico, MMNA will issue another update, which will deploy Panasonic’s new firmware update.

If you have any questions, please contact your DPSM.

NOTE: This recall applies to the Panasonic Toughpad only. The Panasonic Toughbook is not affected by this recall.”

**GROUP 42B – Keyless Operation
System (KOS)**

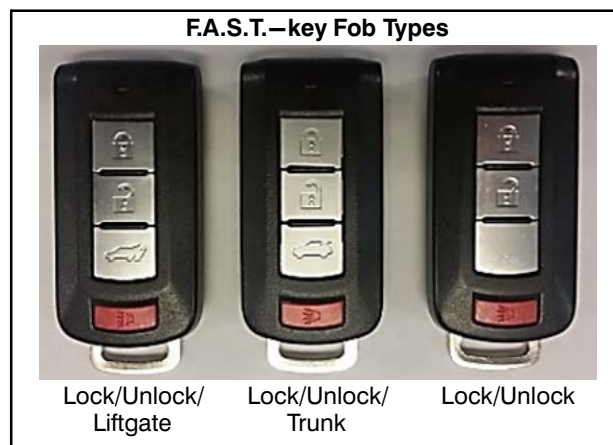
**REGISTERING F.A.S.T. KEY / KOS
TRANSMITTERS (WHEN ALL F.A.S.T. KEYS
ARE LOST)** — 2011-Current models with OSS.

Use the following procedure to register F.A.S.T.*-key/KOS using MUT3-SE for F.A.S.T.-key vehicles equipped with One Touch Start (OSS), when all F.A.S.T.-keys are lost.

*F.A.S.T. = Free-hand Advanced Security Transmitter.

F.A.S.T.-key/KOS-ECU memory can hold a maximum of 4 different F.A.S.T.-keys, unless stated otherwise.

Do NOT replace the ECUs simultaneously. When replacing several ECUs, always replace one ECU at a time, register the necessary IDs in it, then replace the next ECU.



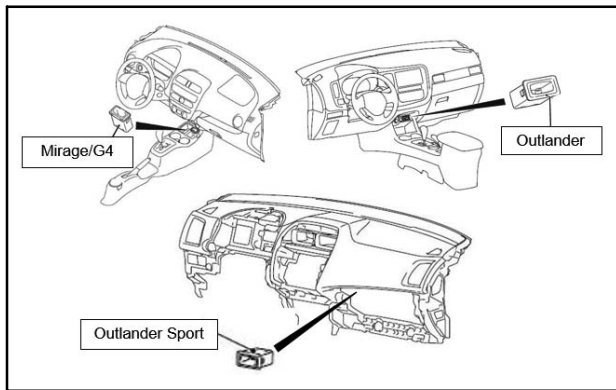
1. Insert the new F.A.S.T.-key fob into key box. You will be prompted when to remove and reinsert F.A.S.T.-key fob into key box during the registration process.

NOTE: Make sure you have the correct F.A.S.T.-key fob for the vehicle before attempting programming.

Incorrect key fob part number or previously programmed key fob may result in a failed programming attempt.

The F.A.S.T.-key box will be located either in the bottom of the center stack (Mirage, Mirage G4, Outlander) or the glove box (Outlander Sport). Location may vary depending on vehicle model or year, consult Service Manual to confirm location if key fob slot cannot be located in either of the stated locations.

Note: During F.A.S.T.-key registration, **DO NOT REMOVE** the F.A.S.T.-key that is being registered from the key box.



2. Connect scan tool MB991958 system and turn the engine switch to the "ON" position, then select the MUT3-SE tab to access the M.U.T.-III SE screen as shown.

3. Click "STV" to open the "System select" screen.



NOTE:

- F.A.S.T.-key registration cannot be cancelled during the registration process.
- Make sure vehicle battery is fully charged. Also, it is recommended that a battery maintainer be used during F.A.S.T.-key programming.
- Vehicle Information should auto-populate as shown below.



- If vehicle information is not present, then enter vehicle Type, Class, etc. To retrieve Type and Class: Go to MDL, click "Vehicle Information" under Service, click Vehicle Inquiry (Superscreen); then enter the vehicle VIN to access the Model Code.

The following is shown for example only:

Model Code: GA2WXTMHZL4M

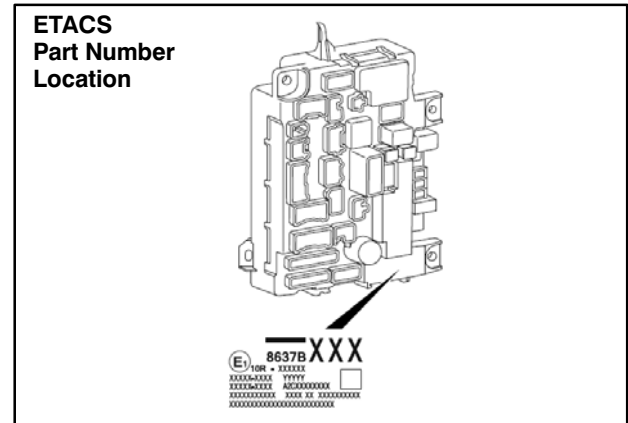
Type: GA2W

Class: XTMHZZL4M

4. Then make the appropriate selections in the "Loading Option Setup" box.

You will need to select the correct ETACS P/N, LIN, etc. (refer to the photos below for correct ETACS P/N reference when selecting "Loading Options Setup").

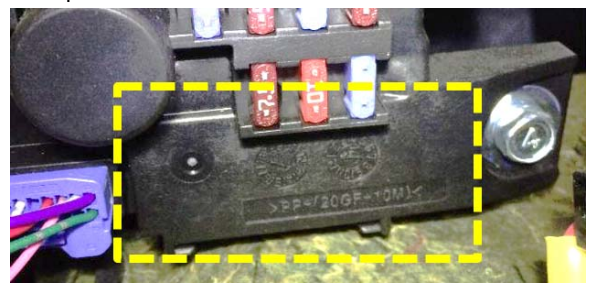
NOTE: ETACS P/N identification is different For Mirage and Mirage G4, you may need to select Type and Class.



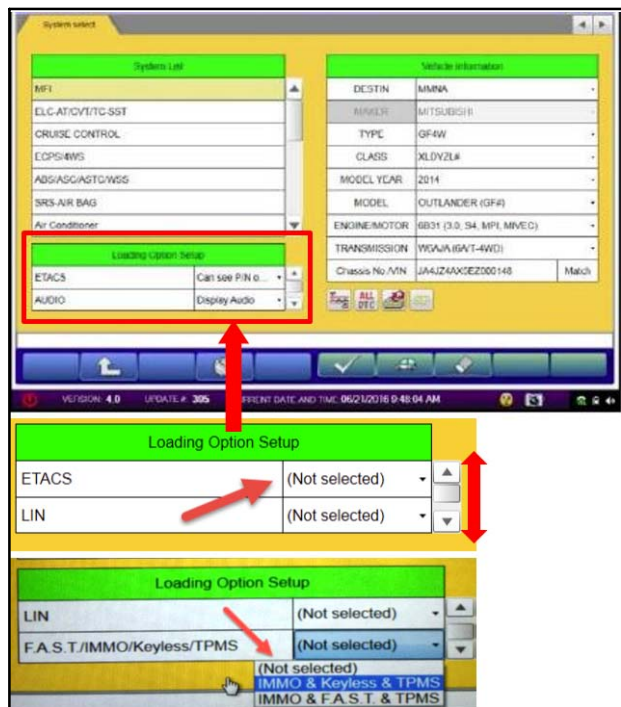
Laser Etched P/N: Select "Can see P/N"



Stamped P/N: Select "Can't see P/N"

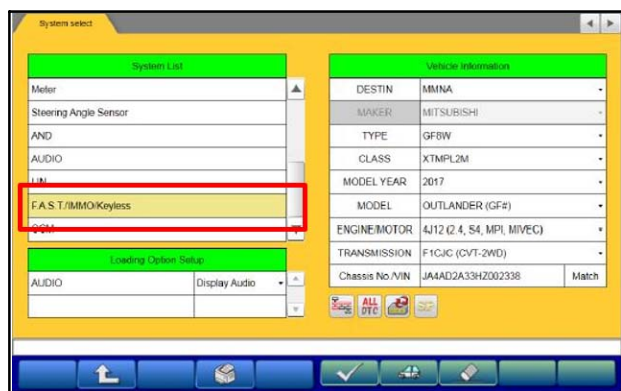


When selecting “Loading Options Setup,” make sure to click and scroll all the way down to ensure you have not missed any potential “Loading Options” as indicated below.



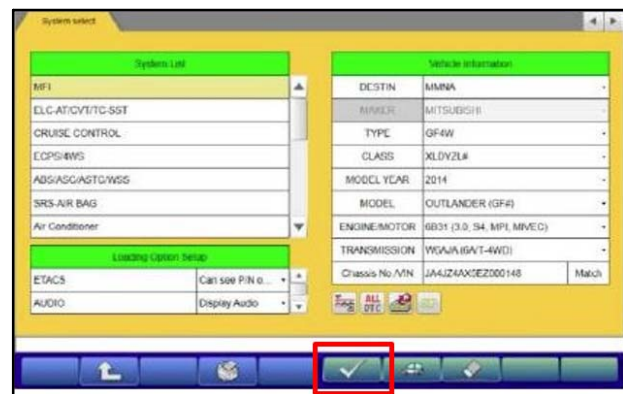
NOTE: The above images show the same “Loading Option Setup” box; but demonstrate that there may be additional Loading Options available by scrolling down completely.

5. Highlight “F.A.S.T./IMMO/Keyless” on the “System Select” screen.

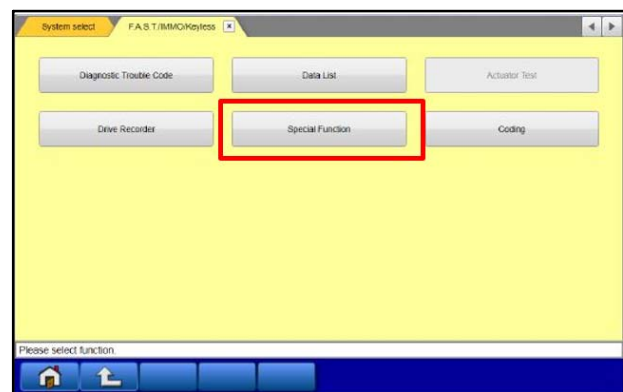


NOTE: If incorrect “Loading Options” are selected, you will not be able to proceed with F.A.S.T.-key programming. Make sure all selections are correct in “Loading Option Setup.”

6. After appropriate selections have been made in the “Loading Options Setup” box, click the check mark at the bottom of the page to continue.



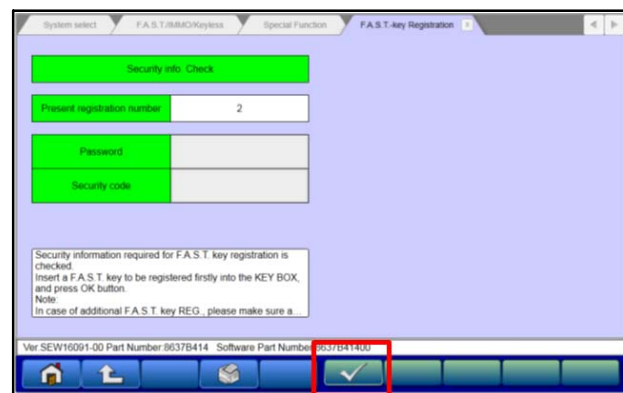
7. At the next screen select “Special Function” to continue.



8. At the Special Function screen select “F.A.S.T.-key Registration” to continue.



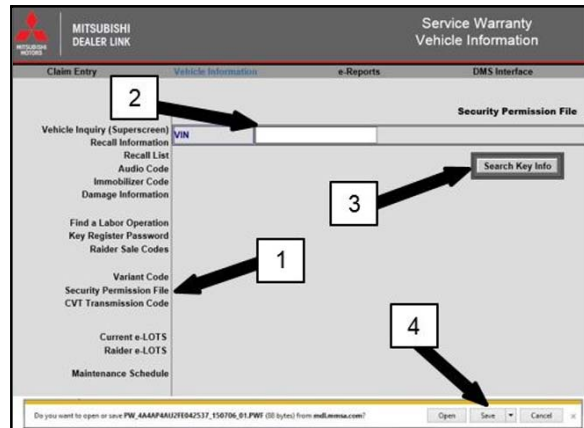
9. When the “Security Info Check” screen is displayed, input the “Security Permission File” then click the check mark to continue.



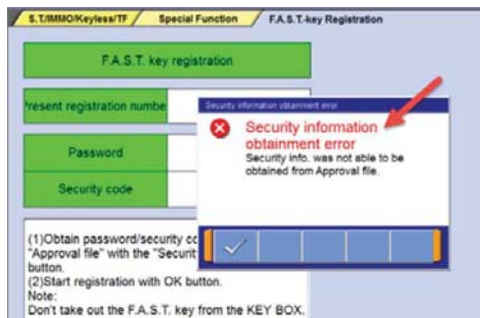
Instructions to download a "Security Permission File":

Go to the Vehicle Information screen on Mitsubishi Dealer Link (MDL). Click "Security Permission File" link (1); then enter VIN number (2) and click "Search Key Info" button (3); then click the "Save" button (4) to save the Security Permission File.

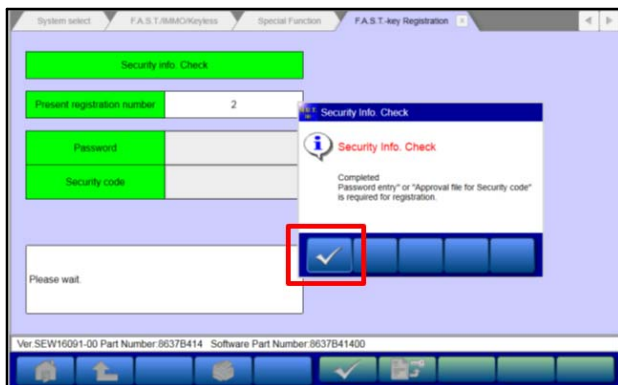
NOTE: Security Permission File is only available on the F.A.S.T.-key One Touch Start (OSS) systems.



NOTE: If you receive a "Security information obtainment error," refer to the article in [Tech Talk 226](#) for complete instructions on how to obtain a new Security Permission File.

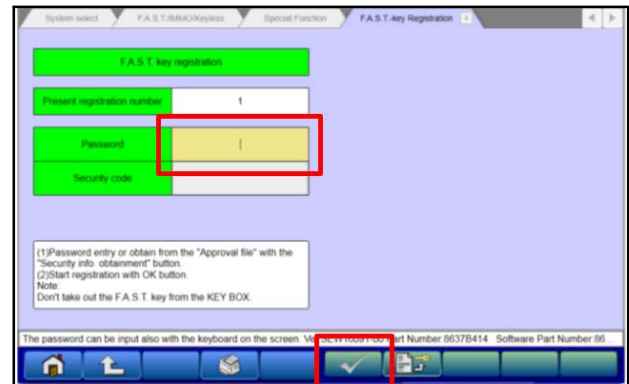


10. When the "Security Info. Check" is completed, click the check mark to continue. Password box will appear.

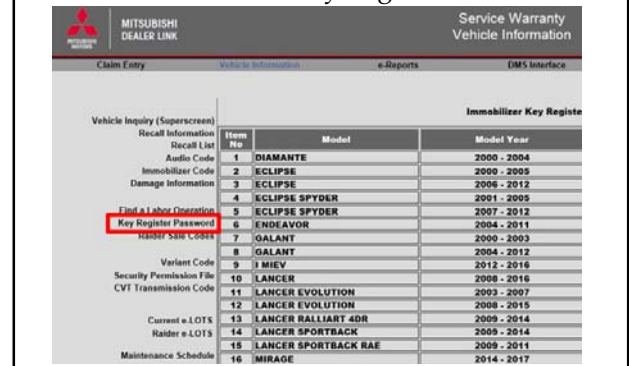


11. Enter the Key Register Password obtained from the MDL into the "Password" field and click the check mark.

NOTE: The Key Register Password may not be needed anymore with MUT3-SE.



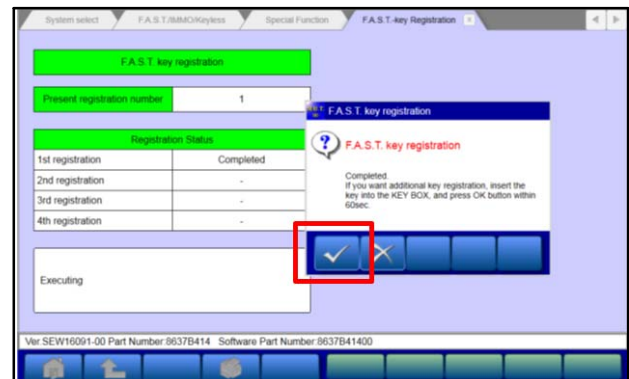
To obtain a Key Register Password (if needed):
Go to Mitsubishi Dealer Link (MDL) homepage > Vehicle Information > Key Register Password.



NOTE: If the wrong password is entered consecutively 5 times, the password entry for the key registration will be disabled for approximately 16 minutes.

12. The first key registration will show "Completed" and the "Present registration number" field will change to "1."

13. When key registration is completed, "Completed" is displayed. To register more keys, follow the on-screen prompts and insert the next key into the key slot; then click the check mark to continue.

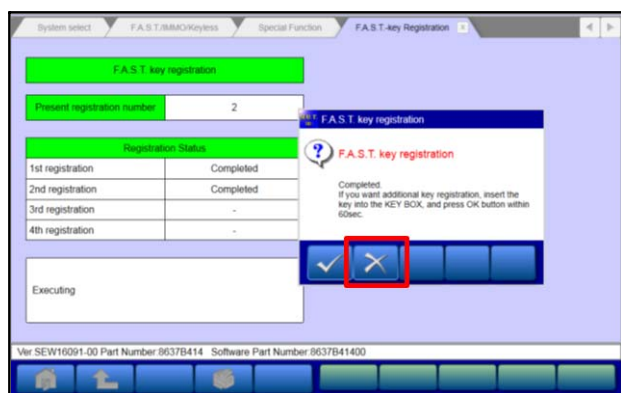


14. Then “Executing!” will be displayed again and the next registration process starts.



15. As each key is successfully registered, “Completed” is displayed in the registration status window for each key.

16. When registration of all keys is completed, **click the “X” button** to complete the registration process. Then go on to verify operation of all keys.



17. After all F.A.S.T.-key(s) are registered, start the engine with each F.A.S.T.-key, one at a time, and check that all functions operate normally.

NOTE: On 2011-17 model year vehicles with One Touch Start system, the RKE programming process is incorporated when programming new F.A.S.T.-key(s).



GROUP 54 – Chassis Electrical

TIN-17-54-001: SDA SOFTWARE UPDATE FOR WHITE/STATIC NOISE — 2017 Outlander built before 12/21/2016.

TIN-17-54-001 was released recently and states:

“The Smartphone Link Display Audio (SDA) on certain 2017 Outlander vehicles may exhibit a very brief white/static noise while operating the speech button during voice prompt. A service audio software update is being released to resolve this noise.

If a vehicle built before the date listed above exhibits this symptom, dealers **MUST** contact Techline first (800-446-6064) to verify this update applies to their vehicle. Then a USB drive with the Software Update will be mailed to the dealer, along with the instructions in this TIN. Dealers are instructed to update the SDA software **ONLY** on vehicles that exhibit this white/static noise.

NOTE: MMNA will need to retrieve the USB drive after the dealer completes the update.

Reported Condition

The white/static noise condition has been reported in the following situations.

- Ignition key in the ON position, Smartphone Link Display Audio (SDA) operating in either FM, AM, USB, Bluetooth, Apple™ Carplay/Android Auto, press the SPEECH button to activate voice command. Before the voice command completes, press the HANG UP button and hear a brief white/static noise come from the right front door speaker.
- With a flash drive in the USB port: press the SPEECH button, press the SPEECH button again while the voice command is reading a command, say “track up,” and the white/static noise occurs just before the next song is played.

UPDATE PROCEDURE

Vehicle Preparation:

- First, inform customer that this update will reset the SDA back to the factory settings, and their smartphone will need to be paired to the system again.
- Write down all the customer’s audio presets and settings in the table below.

PRESETS	1	2	3	4	5	6
AM						
FM1						
FM2						
SXM*						

*If applicable.

1. Insert provided USB drive (with SDA software update) into one of the 2 USB ports located in the center console storage compartment.



2. Turn vehicle ON.

NOTE: Engine must be idling for the entire update.

3. Select the "Home" button.



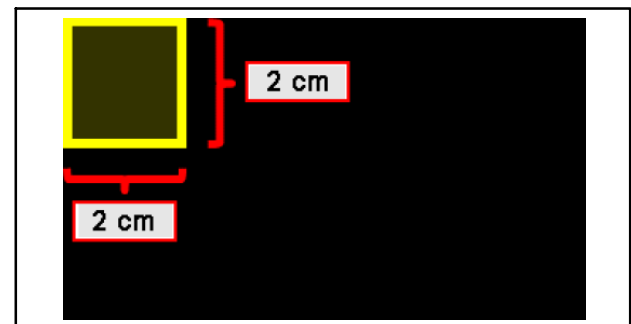
4. Select the ">" (next page) screen button.



5. Select the "Screen Off" screen button.

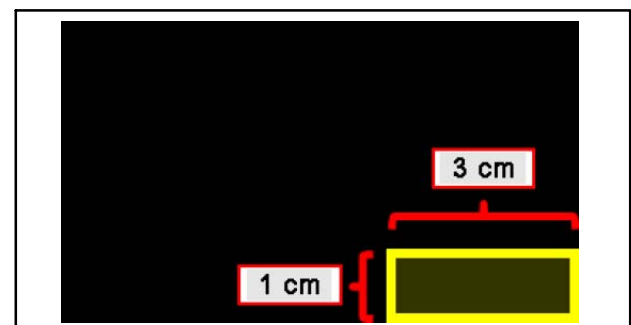


6. Touch and hold the indicated area (highlighted in yellow), until 2 beeps are heard (approx. 5 seconds).

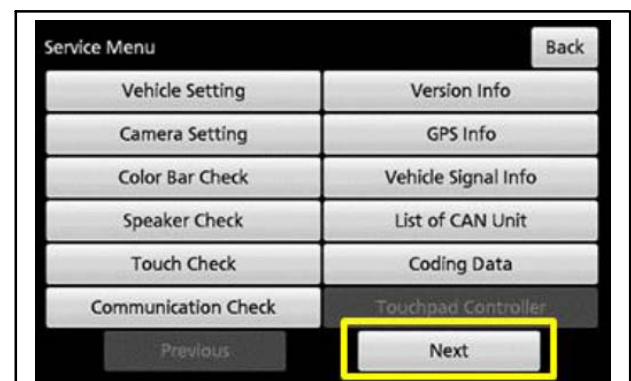


7. Touch the indicated area (highlighted in yellow), until a beep is heard (approx. 2 seconds). **NOTE: Steps 6 and 7 must be completed within 10 seconds.**

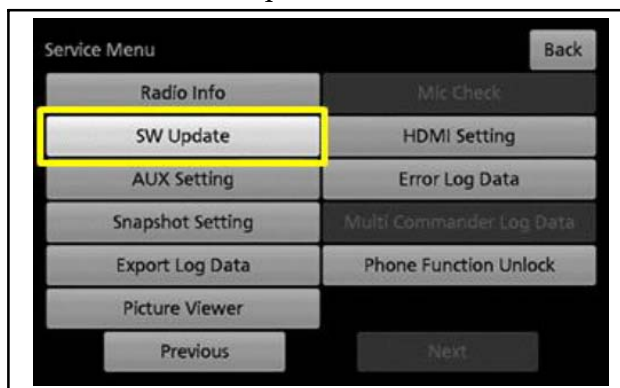
CANCEL OPTION: Touch the center of the screen to go back to the Home screen.



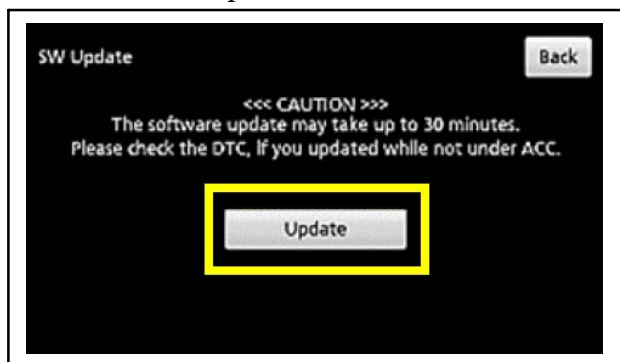
8. Touch the "Next" screen button.



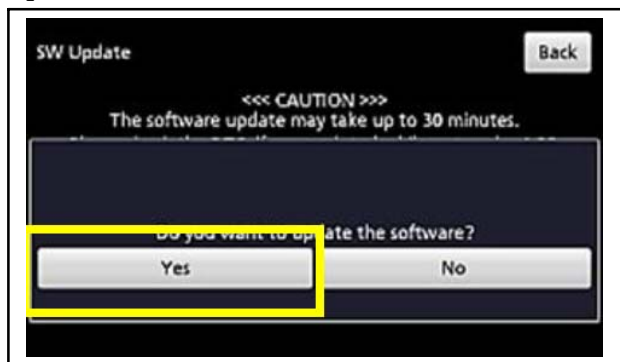
9. Touch the “SW Update” screen button.



10. Touch the “Update” screen button.

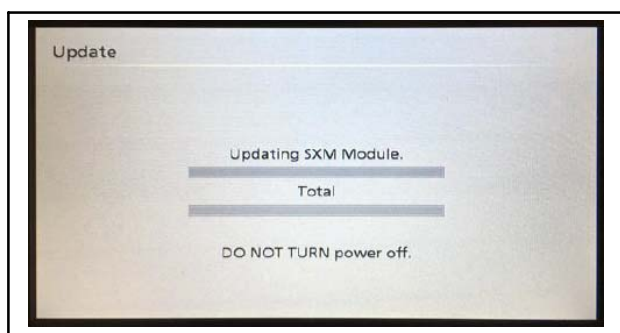


11. Touch the “Yes” screen button. The software update will start.

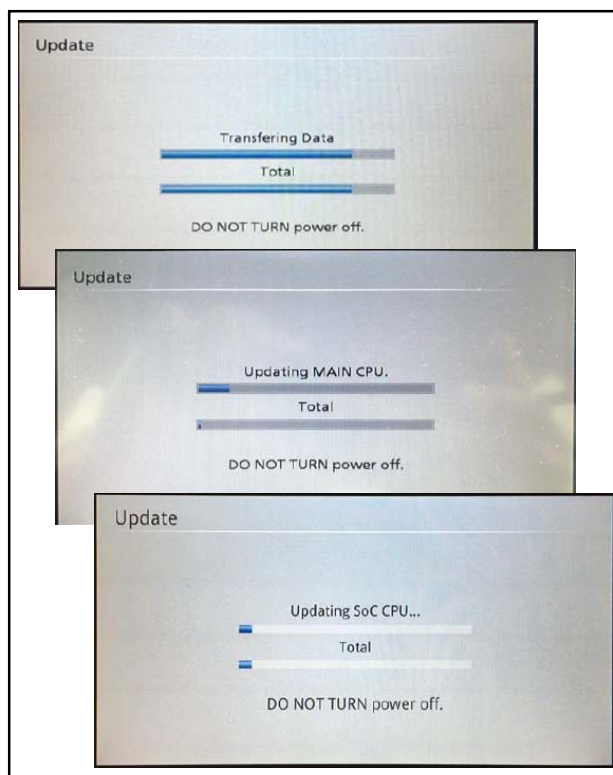


Several Progress bars will be seen during the update.

NOTE: Do NOT turn the Power OFF during the update. This update process may take up to 18 minutes.



The system will automatically reboot TWICE before the update is complete. When complete, the Home screen should appear.

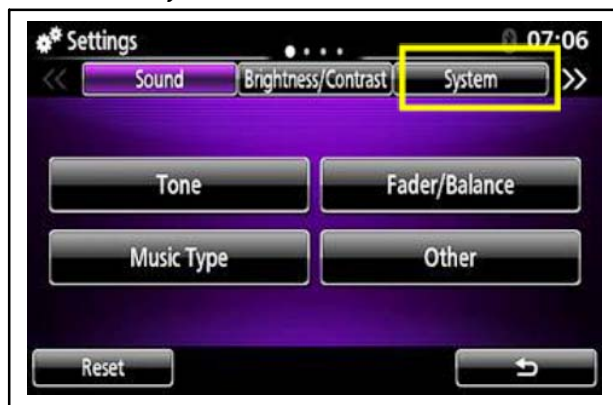


Initialize After Updating (Perform Reset All)

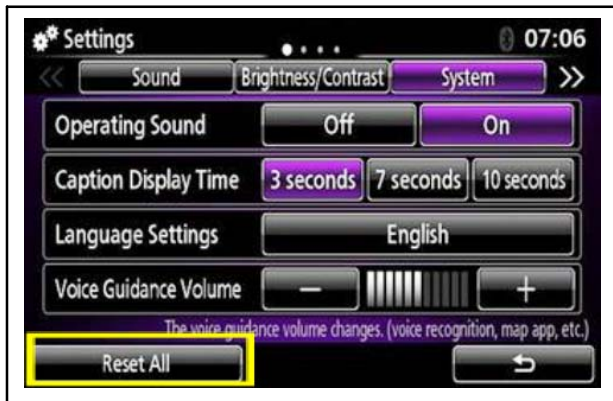
12. Select “Settings” screen button.



13. Select “System” screen button.



14. Select "Reset All" screen button.



15. Touch the "Yes" screen button.



16. Touch the "Yes" screen button.

- After selection "Resetting the system. Please wait" will be displayed.
- System will automatically restart.



Confirm SDA Software Update

17. Select the ">" (Next page) screen buttons.

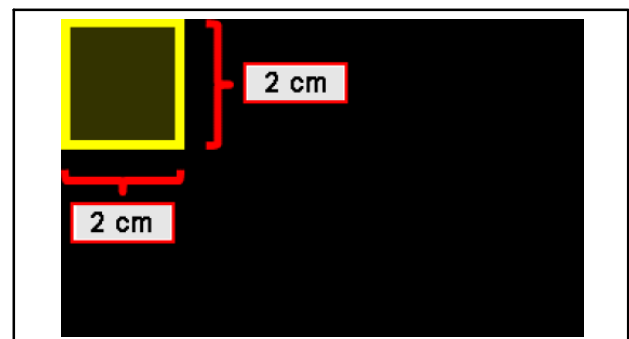


18. Select "Screen Off" screen button.



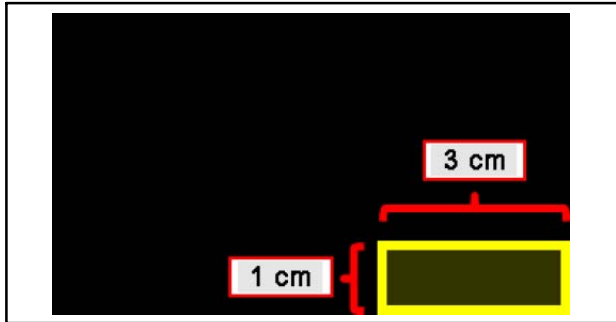
19. Touch and hold the indicated area (highlighted in yellow), until 2 beeps are heard (approx. 5 seconds).

NOTE: If you need to cancel, touch the center of the screen to go back to the Home screen.

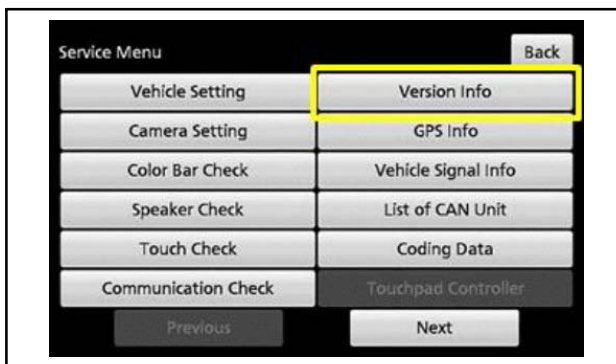


20. Touch the indicated area (highlighted in yellow), until a beep is heard (approx. 2 seconds).

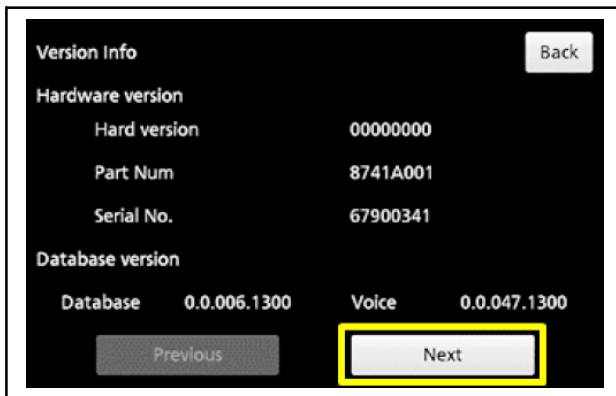
NOTE: Steps 19 and 20 must be completed within 10 seconds.



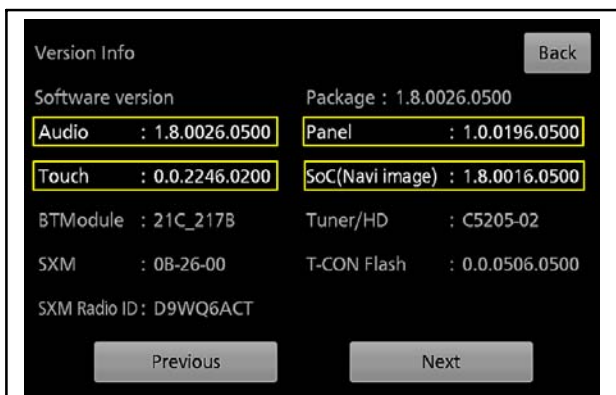
21. Touch the “Version info” screen button.



22. Touch the “Next” screen button.



23. Confirm software version information.



24. Return to the Home screen.

- Touch the “Back” screen button 2 times.

25. Restore all the customer’s audio presets, and set the clock.

26. Connect a MEDIC laptop/tablet to the vehicle, and perform an “Erase and Read All DTCs” using MUT3-SE.

NOTE: DTC U0245 will be stored in several systems as a result of this update.

Software Update is complete.

27. Verify that the white/ static noise condition is no longer present. (Refer to “Reported Condition” on page 1 of this TIN for specific situations where the condition may occur.)

WARRANTY

- **Coverage: Basic (5/60)**
- Labor Operation Number: 547053TA
- Labor Time: 0.5 hrs.
- Nature Code: 99D
- Cause Code: 990

TIN-17-54-002: ENDING CALL WITH iPhone® (11.0/11.0.1) USING APPLE CARPLAY™ CAUSES AUDIO SYSTEM BUTTONS TO BE UNRESPONSIVE — 2017-18 Models Equipped with Display Audio with Smartphone Link (shown in photo below) – Mirage, Mirage G4, Lancer Limited Edition, Outlander Sport Limited Edition.

TIN-17-54-002 was released recently and states:

“After making a phone call using an iPhone® equipped with iOS 11.0 or 11.0.1 and Apple CarPlay™, some customers may experience the inability to use other audio system functions.

When the phone call is ended, “hard” button functions such as “RADIO,” “HOME,” “SEEK,” etc. may not function on the audio system shown below. In addition, the message “This function is unavailable during a call”, or possibly an unclear or confusing message, may appear at the top of the display screen, even though the call has ended. Most touchscreen functions will not be affected. However, some customers have reported being limited to using the radio only under these conditions.

NOTE: This issue does NOT affect vehicles equipped with Smartphone Display Audio with 7-inch touchscreen, and one “PWR/VOL” button.



As a temporary countermeasure, disconnecting and reconnecting the iPhone® cable to restart Apple CarPlay™ should allow access to all normal audio system functions. MMNA is currently working with Apple to resolve the latest iOS 11.0/11.0.1 update issue.

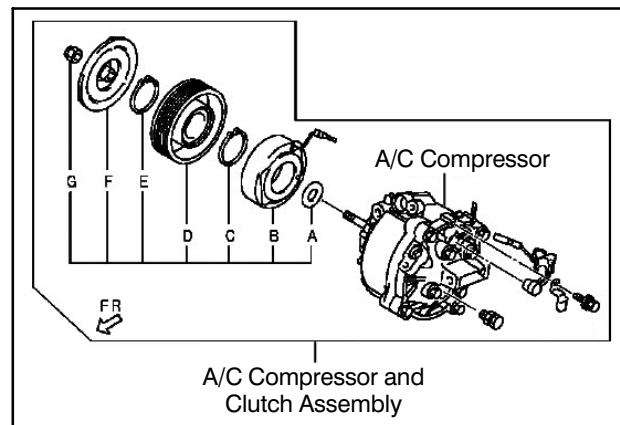
Apple frequently releases minor software updates – always remind customers to check and make sure they have the latest version of software if they are experiencing issues.”

===== ” =====

GROUP 55 – Heater, Air Conditioning and Ventilation

✓ REPLACEMENT OF A/C COMPRESSOR VS A/C COMPRESSOR AND CLUTCH ASSEMBLY — All models.

Should an A/C compressor need to be replaced, dealers should utilize the most cost effective repair option. Most of the time, the A/C compressor is available without the clutch assembly and can be purchased for less expense than the A/C compressor and clutch assembly (Outlander Sport/RVR shown below for example).



===== ” =====

Spotlight On....

Tony Mangino Mitsubishi, New York

This column spotlights a different high scoring CSI dealer every quarter.



June – August, 2017 3-MONTH CSI SCORES		
	National	Tony Mangino
Fixed Right 1st Time	96.0%	99.0%
Resolution Rate	78.2%	76.0%
Email Capture Rate	75.3%	81.5%
Overall Satisfaction	936	980

(L-R): In Front: Nick Mangino (Service Manager), A.J. Mangino (Assistant Service Manager / Advisor). **Second Row:** Jordan Plumadore (Express Maintenance Technician), Anthony Pennacchia (Mitsubishi Specialist Technician), Mike Bertram (Shop Foreman), Brandon Stanley (Reconditioning Technician), David Wilson (Express Maintenance Technician), Thomas Vannucci (Mitsubishi Specialist Technician).
Not shown in photo: Dan Vallee (Parts Manager), Brian Dietz (Service Advisor), Rich Gorman (Parts Counterperson).

For brothers Nick and A.J. Mangino of Tony Mangino Mitsubishi in Clifton Park, NY customer satisfaction is as personal as it gets. The duo has been involved in the service department since they were kids, washing each customer vehicle as it came in for service. Now, keeping customers completely satisfied at their family dealership is a large part of daily operations. They say that making each interaction personal is a key factor to their high CSI scores. They put specific importance on building rapport and trust with each customer. A small, loyal and well-trained staff promotes effective communication amongst the Parts and Service departments. This communication is essential for having proper parts inventory and coordinating an effective and efficient shop schedule. The Parts team, made up of Triple Diamond Certified Parts manager Dan Vallee and Double Diamond Certified counterperson Rich Gorman, spend plenty of time tracking parts sales and keeping high-demand parts in stock, while returning low-volume parts to the PDC. The Mangino brothers, in addition to Triple Diamond Certified Service Advisor Brian Dietz, do a thorough greeting and write-up with each customer, reviewing previous service history, current vehicle needs, active promotions or eligible discounts, and answering any questions. Vehicle washes are offered to each customer. Snacks and refreshments, as well as jokes and small talk, are always plentiful in the customer waiting area of the cozy showroom. Members of the sales staff spend plenty of time catching up with their customers and showing them new products. This pleasant environment makes service referrals to sales extremely common.

The service managers, advisors, and technical staff routinely meet and review the Mitsubishi Maintenance schedule and how it should be followed under specific circumstances. Customers sincerely appreciate hearing that a specific maintenance item is not quite due for replacement, or getting help prioritizing maintenance items, with consideration to their time, budget, and specific vehicle needs. They find comfort in the fact that the trained Mitsubishi technical staff will continue to monitor the condition of upcoming maintenance items, in an effort to save them money and properly maintain their vehicle. The CVIR plays a large role in keeping track of these “impending” recommendations. Due to the thorough review of the CVIR on a previous visit, customers never feel that they are making a poor decision when electing to perform additional recommended maintenance on their vehicle. They’ve had time to consider what will be done, and have budgeted time and money accordingly. The CVIR allows customers to have access to the current and future needs of their vehicle anywhere they can get e-mail, usually on a mobile device. This allows them to conveniently review those recommendations with friends or family they trust. The formal Mitsubishi Motors formatted layout of the CVIR makes items recommended by the service personnel more official and increases the likelihood they will not be overlooked or ignored by the customer.

It is not surprising that Tony Mangino Mitsubishi won the “#1 Service Satisfaction Dealer” in their district for the first 2 quarters of 2017. Keep up the great work guys!

Training News



Technical Training Schedule October 2017 – November 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

Oct					
M	T	W	Th	F	
2	3	4	5	6	
		ER1			
9	10	11	12	13	
16	17	18	19	20	
		CANCELLED			
23	24	25	26	27	
30	31	1	2	3	
		PHEV	PHEV		

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	

Atlanta Technical Training Center

Oct					
M	T	W	Th	F	
2	3	4	5	6	
9	10	11	12	13	
		MED4	STV4	ES2	
16	17	18	19	20	
23	24	25	26	27	
		ER1	MEVTT		
30	31	1	2	3	

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		

WESTERN ZONE

Dallas Technical Training Center

Oct					
M	T	W	Th	F	
2	3	4	5	6	
9	10	11	12	13	
16	17	18	19	20	
		PHEV	PHEV		
23	24	25	26	27	
		PHEV	PHEV		
30	31	1	2	3	
		ASC	ASC2	ER1	

Nov					
M	T	W	Th	F	
30	31	1	2	3	
		ASC	ASC2	ER1	
6	7	8	9	10	
13	14	15	16	17	
		STV4	MED4	ES2	
20	21	22	23	24	
		TC-SST	ABS2		
27	28	29	30	1	
			H	H	

California Technical Training Center

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

Nov					
M	T	W	Th	F	
30	31	1	2	3	
6	7	8	9	10	
		ASC	ASC2	CVTT	
13	14	15	16	17	
20	21	22	23	24	
			H	H	
27	28	29	30	1	

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	ASC2 ES1W, ME3W, MED4, STV4
Advanced Emission Diagnosis	3	AED ES1W, STV4, MFIT2	Advanced Safety & Convenience Features 2	1	ASC2 ES1W, ME3W, MED4, STV4
Engine Repair	3	ER1 ERFW, ES1W, ME3W, MED4, STV4	MEDIC4	1	MED4 ME3W
Multiport 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 all new **Engine Repair** curriculum launched April 1, 2017. It consists of a web-based introductory course (Engine Repair Fundamentals, ERFW) and a 3-day classroom course (Engine Repair, ER1) conducted at Mitsubishi training centers only. Technicians must successfully complete ERFW, ES1W, STV4, ME3W, and MED4 prior to enrolling in ER1. Completion of the two new Engine Repair courses will be required for the 2017 DiamondPro Recognition Program. In addition, beginning October 1, 2017, ERFW will be added as a required **Core Course** and ER1 will be added as a required **Specialty Course**.

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.



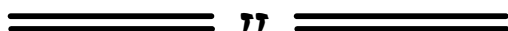
Bulletin Review



Since Tech Talk 233, the following
bulletins have been released.

2017 Technical Service Bulletins, Safety Recalls, & Service Campaigns

Date Posted	Publication Number	Publication Title	Applicable Models
8/31/2017	TSB-17-00-007	Technical Specifications - 2018 Outlander Sport	2018 Outlander Sport
8/31/2017	TSB-17-00-008	New Model Features & Service Information - 2018 Outlander Sport	2018 Outlander Sport
8/31/2017	TSB-17-00-009	Technical Specifications - 2017 Outlander Sport - Revised	2017 Outlander Sport
9/1/2017	TSB-17-00-010	Technical Specifications - 2018 Outlander	2018 Outlander
9/1/2017	TSB-17-00-011	New Model Features & Service Information - 2018 Outlander	2018 Outlander



TIN/ATIN Review



Since Tech Talk 233, the following
TINs/ ATINs have been released.

2017 Technical Information Notices, Advance Technical Information Notices

Date Posted	Publication Number	Publication Title	Applicable Models
9/12/2017	TIN-17-54-001	SDA Software Update for White/Static Noise	Certain 2017 Outlander
9/21/2017	TIN-17-00-005	Panasonic Toughpad Recall – Permanent Remedy Available	Panasonic Toughpad
9/27/2017	TIN-17-54-002	Ending Call with iPhone® (11.0/11.0.1) Using Apple CarPlay™ Causes Audio System Buttons To Be Unresponsive	2017-18 Models Equipped with Display Audio with Smartphone Link - Mirage, Mirage G4, Lancer Limited Edition, Outlander Sport Limited Edition



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.

2008: DRIVE @EARTH

In 2008, Mitsubishi Motors announces Drive@Earth, a pledge to create vehicles that can exist in harmony with people, society, and the environment. The effort combines EV, PHEV, and other emissions-reducing technologies with corporate initiatives designed to preserve and sustain the global environment.

2010 i-MiEV INTRODUCED



In 2009, after more than 40 years of development and many awards, the production version of the 2010 Mitsubishi Innovative Electric Vehicle (i-MiEV) is launched to multiple markets worldwide.

The 4-door electric vehicle is based on Mitsubishi's "i" gasoline-powered mini car in Japan, adopting a zero-emissions state-of-the-art electric drivetrain.

ON THE COVER: 2007 LANCER EVOLUTION X



In 2007, Mitsubishi launched the Lancer Evolution X with Super All-Wheel Control, winning Car of the Year in Japan. The new full-time four-wheel drive system was named S-AWC, an advanced version of Mitsubishi's AWC system used in previous generations. The Super All-Wheel Control is hailed as one of the most advanced AWD systems in the world.

This 10th (and final) generation of the Evolution went on sale in January 2008 in the U.S., offering two versions:

MR, with a 6-speed Twin Clutch Sportronic Shift Transmission (TC-SST), and the GSR, with a 5-speed manual transmission.

In 2008, the Evolution X won the Automotive Excellence Awards' "Fun to Drive" category, and also snatched Dave TV's "Sports Car of the Year" award.

(photo above taken by baku13 for Wikipedia.)

