

Subaru Service and Technical Support Line Newsletter

November 2023



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SUBARU TECHLINE HOLIDAYS & HOURS OF OPERATION

Holiday Break: (Closed) Friday, December 22, 2023 Saturday, December 23, 2023 Monday, December 25, 2023 Monday, January 1, 2024 Mon. - Thurs. 8:30AM - 7:30PM EST

Friday	10:30AM - 5:00PM EST
Saturday	9:00AM - 3:00PM EST

01 QMR of the Month

We are pleased to announce this month's TechShare QMR of the Month Winner:

Elijah Aubuchon from Huffines Subaru Corinth in Corinth, TX

Elijah created a high quality QMR using TechShare reporting on customer's concern of the vehicle not being able to come out of park. Elijah's report included detailed diagnostic steps and high-quality photos.

Please refer to the following link to review the TechShare QMR in detail.

https://subarutechshare.com/qmrs/TS-252218

In appreciation for going the extra mile and sharing his experience with us, Elijah will be receiving the following from his District Service Quality Manager:

\$500.00 Snap-On gift card

Continued on the next page

CAUTION: VEHICLE SERVICING PERFORMED BY UNTRAINED PERSONS COULD RESULT IN SERIOUS INJURY TO THOSE PERSONS OR TO OTHERS.

The Subaru TechTIPS newsletter is intended for use by professional Technicians ONLY. Articles are written to inform those Technicians of conditions that may occur in some vehicles, or to provide information that could assist in the proper servicing of the vehicle. Properly trained Technicians have the equipment, tools, safety instructions, and know-how to do the job correctly and safely. If a condition is described, D0 NOT assume that your vehicle has or will have that condition. Impreza, Legacy, Justy, Loyale, Outback, Forester, Subaru SVX, WRX, WRX STI, Baja, Tribeca, BRZ, XV Crosstrek, Ascent, Crosstrek Hybrid, Solterra and "Quality Driven" are Registered Trademarks. SUBARU OF AMERICA, INC. IS ISO 14001 COMPLIANT

ISO 14001 is the international standard for excellence in Environmental Management Systems. Please recycle or dispose of automotive products in a manner that is friendly to our environment and in accordance with all local, state and federal laws and regulations.



01 QMR of the Month (CONTINUED)

The other Regional winners selected from QMRs submitted during September 2023 were:

- Sherrod Young from Stiver Decatur Subaru
- Jeremy De Groodt from Capitol Subaru
- David Rizzo from Northtown Subaru
- Tyler Miranda from Patrick Subaru

Any Subaru Technician can participate in the TechShare QMR of the Month program. See the November 2022 issues of TechTIPS for full details. You just might see your name and photo in a future issue of TechTIPS!

01 QMR of the Month Award Presentations

As part of our "enhanced" QMR of the Month recognition program, we will include a photo (whenever available) of the recipient's award presentation in TIPS. The winner selected from QMR of the Month submissions received during September 2023 was Elijah Aubuchon, Senior Master Technician at Huffines Subaru Corinth, Corinth, TX.



Elijah is shown above (second from the left) after being presented with his \$500.00 Snap-On Gift Card. To Elijah's right is Service Manager Andrea Delossantos. To Elijah's left is DSQM William Davis and Service Director Anthony Sdao.

Congratulations and THANK YOU to our August 2023 QMR of the Month Award recipient!

TECH TIPS GREATEST TIPS

This series features TechTIPS articles frequently referred to by Techline. This month's feature is from December 2022.

15 STARLINK TELEMATICS - COMM CHECK, TEST CALLS, REMOTE SERVICES REQUESTS, FAILED CALLS

The purpose of this TechTIP is to share some best practices for Gen 2 and Gen 3 Telematics service procedures. It is also to stress the importance of contacting Techline when encountering uncertainty or difficulty with any generation of Starlink Telematics. As a reminder to Technicians the best way to ensure they get the information needed to diagnose Telematics concerns efficiently is to complete QMRs with a high level of detail to ensure a steady flow of information to the field.

Critical: The SSM4 should only be connected to the vehicle when reviewing data or using Work Support. The SSM4 should not be connected to the vehicle during the Comm Check, Provisioning after a Comm Check, during a VOLTE call and Remote Service testing.

Please perform the procedures below before contacting Techline for one of the concerns listed.

The Comm Check Procedure

Press the "i" button for 2 seconds to perform the Comm Check and then connect the SSM4. Navigate to the Telematics data monitor and confirm the "Subscription Status" PID changes to "Unsubscribed" and the Telematics LEDs are off (if the vehicle does not have a subscription), or changes to "Subscribed" and the GREEN telematics LED is illuminated (if the vehicle has a current subscription).

Note: The SSM4 should not be connected while trying to perform the Comm Check, test calls, or Provisioning. Starlink Telematics is very sensitive to the SSM4 connection. The SSM4 may be probing for data and can cause interference which may cause a race condition and Comm Check failure.

The Test Call Procedure

A Technician can press the "i" button on any Gen 2 or Gen 3 vehicle and connect to the Starlink call center. Once connected to an operator, the Technician can request a remote door unlock or remote engine start (RES) to verify telematics operation further. More information about Remote Service testing can be found in <u>TSB 15-266-20</u>.

Note: Services available for testing can vary and are based on the customer's subscription plan.

15 STARLINK TELEMATICS - COMM CHECK, TEST CALLS, REMOTE SERVICES REQUESTS, FAILED CALLS (CONTINUED)

Test Call Procedure after DCM Replacement

After a Technician has replaced the DCM, verifying the operation of the "i" button and Remote Services is necessary. If the procedure below is not followed, "i" button calls may not connect to a Starlink operator.

- 1. DCM has been replaced, and the Comm Check has been completed.
- 2. Turn the ignition off and wait ten minutes.
- 3. Turn the ignition on, press the "i" button to connect to the Starlink call center, and complete Telematics repair verification testing.

<u>CRITICAL</u>: Failure to cycle ignition power and wait ten minutes after DCM replacement could result in "i" button calls failing. This behavior may lead Technicians to determine that the DCM replacement did not repair the customer's concern or introduce a new concern to the vehicle.

Note: The SSM4 should not be connected to the vehicle when trying to use the "i" button to connect with a Starlink Operator. Having the SSM4 connected may cause the "i" button call or Remote Service request to fail.

The Comm Check fails

In almost all cases, the Comm Check will complete on the first attempt. The Comm Check may fail in rare circumstances, and the "Subscription Status" PID returns to "Factory" mode.

After a Comm Check failure please check for the following conditions that can prevent the Comm Check from completing.

- 1. There are current Telematics DTCs.
- 2. The Telematics antenna may have a fault in the circuit. (When in "Factory mode" the Signal strength PID will always read 0%)
- 3. All Telematics fuses have been visually and electrically inspected for faults.
- 4. The SSM4 (or any aftermarket dongle) was plugged into the OBDII connector while the Comm Check was performed.
- 5. Inspect for any aftermarket devices in the vehicle.

If none of the above conditions are found with the car, please perform the workaround below before contacting Techline for further assistance.

15 STARLINK TELEMATICS - COMM CHECK, TEST CALLS, REMOTE SERVICES REQUESTS, FAILED CALLS (CONTINUED)

WORKAROUND: The Technician must use the SSM4 to confirm the "Subscription Status" is "Unsubscribed" or "Subscribed" in the Telematics data monitor before releasing the vehicle. The Comm Check has failed if the subscription status is "FACTORY" or "COMM". If the Comm Check is confirmed to have failed, follow the procedure below.

- Disconnect the SSM4 from the vehicle.
- Turn the ignition off and wait 5 minutes.
- Turn the ignition on and wait 3 minutes, doing nothing to the car during this time.
- Press the "i" button for 2 seconds to perform the Comm Check.
- Wait 2 minutes, then connect the SSM4 and verify the "Subscription Status" in live data.
- If the Comm Check has not been completed after performing this procedure twice, contact Techline for more assistance. SOS or "i" button calls fail to connect to an operator.

If a customer reports a concern of the "i" button or "SOS" button not connecting to a Starlink Operator or the Technician experiences this condition during testing, perform the workaround below before contacting Techline.

WORKAROUND: If a test call exhibits no connection to an operator or an error message when performing the "SOS" or "i" button push, the technician should first:

- Disconnect the 12V under-hood battery for 15 minutes.
- Ensure the SSM4 is not connected to the car.
- Reconnect the 12V under-hood battery.
- Turn the ignition on and wait 3 minutes, doing nothing to the vehicle during this time.
- Perform another test of the "i" button.
- If this procedure fails to rectify the "no VOLTE" call concern, contact Techline for support.

<u>A test call using the SOS/"i" button fails, Remote Service request fails post enrollment or after DCM replacement.</u>

Upon customer enrollment or DCM replacement, if remote service requests fail to complete, perform the workaround below before contacting Techline.

This workaround is a suitable general procedure to clear transient conditions with the DCM or its connection to the network. Technicians may want to incorporate this workaround into their Telematics diagnostic method.

15 STARLINK TELEMATICS - COMM CHECK, TEST CALLS, REMOTE SERVICES REQUESTS, FAILED CALLS (CONTINUED)

WORKAROUND: If the technician experiences a provisioning failure, they should:

- Disconnect the 12V under-hood battery for 15 minutes.
- Ensure the SSM4 is not connected to the car.
- Reconnect the 12V under-the-hood battery.
- Turn the ignition on and wait 3 minutes, doing nothing to the vehicle.
- Connect the SSM4, using live data to verify the "Subscription Status" now shows "Subscribed" to confirm the provisioning failure is no longer present.
- Verify operation by placing an "i" button call to connect to an operator.
- Ask the operator to send a remote door to unlock the vehicle to verify the operation of the remote services.
- If this procedure fails to rectify the provisioning failure concern, contact Techline for support.

01 Techline Staffing Changes Where are they now?

We are proud to announce a few of the most recent staff changes related to the Techline Team!



Meet Michael Winters, a Master Subaru Technician, who joined Techline in the winter of 2019.

Michael recently moved into the Quality Data Specialist position. Congratulations Michael!

Meet Robert Bradley, a Master Subaru Technician, who joined Techline in the spring of 2021.

Robert recently moved into the Quality Data Specialist position. Congratulation Robert!



Continued on the next page Page 6 of 19



Meet John Rowlett, a Master Subaru Technician, who joined Techline in the spring of 2021.

John recently moved into the Technical Training Development Specialist position. Congratulations John!

Meet Sean Brown, a Master Subaru Technician, who joined Techline in the fall of 2017.

Sean recently moved into the Quality Data Specialist position. Congratulations Sean!





Meet Gene Hixson. After 34 years with Subaru of America Inc. Gene retired on September 15th.

We wish him well in his life after Subaru. Congratulations Gene!

CONGRATULATIONS! CONGRATULATIONS! CONGRATULATIONS! CONGRATULATIONS!

15 Microphone Inoperative, Telematics DCM Comm Check Failure and RES inop

Techline has received an increased number of cases where the Remote Engine Start is inoperable, Comm Check after a DCM replacement is not possible, as well as inoperable or intermittent microphone operation. Below is an overview of what has been found and the best process for repair.

Concern: A significant number of DCM (Data Communication Module) replacements have been performed due to misdiagnosed DCM failures. The actual root cause of the issue is a blown ACC (Accessory) fuse, often this can be triggered by a faulty USB-connected device.

Symptoms:

- Microphone inoperable
- Telematics Comm Check failure
- RES inoperable

Affected Components:

- ACC power for the DCM
- Rear USB hub
- Wireless charger (if equipped)

Troubleshooting Steps:

1. Verify the ACC fuse for the DCM is intact and has B+ on both sides of fuse. An open fuse indicates a circuit fault. If an open fuse is found continue to step 2.

If the fuse is intact, see: <u>July 2023 TechTIPS</u> for continued microphone troubleshooting. If the concern is Comm Check failure, contact Techline for assistance. If the Concern is RES operation, see <u>15-282-21R</u>.

- 2. Inspect the center console and rear USB hubs for any signs of damage or contamination (the front USB hub is not powered by this fuse).
- 3. Disconnect all USB devices from the rear USB hub, and/or the rear USB hub itself. Make any necessary repairs to the circuit.
- 4. Replace the blown ACC fuse. Perform the Telematics test call using the "i" button and ensure the Starlink operator can hear you. If the concern is Comm Check failure, verify at this point that the Comm Check completes. Verify the RES now operates.

Preventive Measures:

- 1. Avoid connecting incompatible or damaged USB devices to the vehicle.
- 2. Regularly inspect the USB hub for signs of damage or contamination.
- 3. Ensure USB devices are properly connected and secured.

15 Microphone Inoperative, Telematics DCM Comm Check Failure and RES inop (CONTINUED)

Emphasis on Misdiagnosis: The high frequency of misdiagnosed DCM failures highlights the importance of thorough troubleshooting. A blown ACC fuse can easily mimic the symptoms of a faulty DCM, leading to unnecessary component replacements.

By prioritizing the ACC fuse check in these situations, technicians can efficiently identify the root cause and implement an appropriate solution, preventing unnecessary expenses and downtime.

Note: The fuse numbers below are for the Telematics system. It is always recommended to verify the other circuits that are powered by any fuse for the model vehicle being serviced.

Model	Year	ACC Fuse	IG Fuse	Batt Fuse
Ascent	19 - 24	FB-54 Fuse #4	FB-44 Fuse #8	MB-40 Fuse #5
Forester	19 - 24	FB-54 Fuse #4	FB-44 Fuse #8	MB-41 Fuse #5
Impreza	17 - 23	FB-54 Fuse #4	FB-44 Fuse #8	MB-41 Fuse#18
Impreza	24	FB-51 Fuse #4	FB-44 Fuse #8	MB-8 Fuse#10
Impreza	24	Х	Х	MB Fuse#22
Legacy / Outback	20 - 22	FB-51 Fuse #4	FB-41 Fuse #8	MB-1 SBF-3
Legacy / Outback	23-24	FB-51 Fuse #4	FB-41 Fuse #8	MB-8 Fuse#1
Crosstrek ICE / Hybrid	18 - 23	FB-54 Fuse #4	FB-44 Fuse #8	MB-41 use #18
WRX	22-23	FB-51 Fuse #4	FB-41 Fuse #8	MB-1 SBF-3
BRZ	22-23	FB-28 Fuse #13	FB-70 Fuse #29	MB-23 Fuse #9
Crosstrek ICE / Hybrid	16-17	FB-25 Fuse #24	FB-37 Fuse #12	MB-34
Impreza	16	FB-25 Fuse #24	FB-37 Fuse #12	MB-34
Legacy / Outback	16-19	FB-48 Fuse #4	FB-58 Fuse #5	MB-52 Fuse #9
Forester	16-18	FB-25 Fuse #24	FB-37 Fuse #12	MB-34
WRX	17-21	FB-25 Fuse #24	FB-37 Fuse #12	MB-34
WRX	17-21	X	Х	MB-33



15 EyeSight HALT Codes 41, A0 and CC

When diagnosing Eyesight concerns, it is helpful to understand the setting criteria of the HALT codes to determine if there is a system fault or normal characteristics of how the system operates. HALT codes do not always indicate a system failure. They are there to label why the system temporarily stopped. Some of the more common HALT codes to see are 41, A0, and CC.

Code	Explanation / Reason	IG cou 🛦	LKS St A	LKS Mode	Data and Time o A
<u>41</u>	VDC Initial Check	00798	-	-	2023/11/10 08:15
<u>CC</u>	Stereo Camera Temporary Stop	00652	-	-	2023/06/12 17:20
<u>A0</u>	CAN Diagnosis	00055	-		2022/12/05 20:43

HALT Code 41 is on systems with both EBB (Electric Brake Booster) and EyeSight Ver4. It has been found that the VDC initial diagnosis may not be completed if the brake is continuously depressed after the engine has been started. Normal operation to complete this check is to start the engine and release the brake pedal. This allows the initial VDC diagnosis to complete and the system to operate normally.

Code	Explanation / Reason	IG cou 🛦	LKS St 🛦	LKS Mode	Data and Time o A
<u>41</u>	VDC Initial Check	00798	-	-	2023/11/10 08:15
<u>CC</u>	Stereo Camera Temporary Stop	00652	-	-	2023/06/12 17:20
<u>A0</u>	CAN Diagnosis	00055	-		2022/12/05 20:43

HALT Code A0 does not necessarily indicate a fault with the CAN system. In most scenarios, this will populate due to cycling the ignition to the on position, waiting and then starting the vehicle. Note the description below found in the Service Manual that this can be a normal condition. However, depending on the concern, a battery inspection may be necessary.

<u>41</u>	VD	C Initial Check		00644		-	-	2023/06/11 18:31
41		VDC initial check	VDC tempor	arily stops		When	VDC returns	from the
			the brake co	ntrol due t	0	tempo	rary stop of	the brake control,
			the reason o	ther than		the Ey	eSight relea	ses the temporary
			failure, and t	the EyeSig	ht	stop.		
			stops tempo	rarily if it				
			cannot be us	sed.				

HALT Code CC This code may be the most common to see. This code, in most cases is due to the camera lenses not having a clear image ahead. This can be due to several everyday scenarios such as bad weather (heavy rain, fog, frost, snow, etc.) direct sunlight or oncoming traffic high-beam lights. In some cases, aftermarket windshields or improperly mounted windshield devices that block the view of the camera can cause the system to stay off and will populate this as a result.

<u>CC</u>	Stereo Camera Temporary Stop	00652	-	-	2023/06/12 17:20
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Continued on the next page

November 2023 TechTIPS

5 EyeSight HALT Codes 41, A0 and CC (CONTINUED)

Status▲	Code	Explanation / Reason	IG cou 🛦	LKS St A	LKS Mode	Data and Time o
	<u>41</u>	VDC Initial Check	00798	-	-	2023/11/10 08:15
	<u>CC</u>	Stereo Camera Temporary Stop	00783	-	-	2023/11/07 07:43
	CC	Stereo Camera Temporary Stop	00779	-	-	2023/09/12 07:49
	CC	Stereo Camera Temporary Stop	00771	-		2023/09/09 08:30
	<u>CC</u>	Stereo Camera Temporary Stop	00693	-	-	2023/07/23 00:35
	CC	Stereo Camera Temporary Stop	00652	-		2023/06/12 17:41
	CC	Stereo Camera Temporary Stop	00652	-	-	2023/06/12 17:34
or the second	CC	Stereo Camera Temporary Stop	00652	-	-	2023/06/12 17:32
	CC	Stereo Camera Temporary Stop	00652	-	-	2023/06/12 17:31
	CC	Stereo Camera Temporary Stop	00652	-	-	2023/06/12 17:20
d	<u>41</u>	VDC Initial Check	00644	-	-	2023/06/11 18:31
	41	VDC Initial Check	00639	-		2023/06/11 13:23
te	<u>41</u>	VDC Initial Check	00629	-	-	2023/06/10 11:54
	41	VDC Initial Check	00512			2023/05/20 10:00
	<u>41</u>	VDC Initial Check	00501	-	-	2023/05/17 19:40
	41	VDC Initial Check	00499	-	-	2023/05/17 14:16
	41	VDC Initial Check	00477	-	-	2023/05/14 16:42
e	41	VDC Initial Check	00473	-	-	2023/05/13 17:50
	<u>A0</u>	CAN Diagnosis	00055	-	-	2022/12/05 20:43
	<u>A0</u>	CAN Diagnosis	00054	-		2022/12/05 20:36
				Cancel Cod	e	
a - 1				EveSight	Halt Code(s)	Display

For descriptions and information on other HALT codes found in the Service Manual, follow the click path below:

Diagnostics > EyeSight (Diagnostics) > EyeSight HALT Code > List

15 Unit Registration, Codes/DTCs After Replacing a Module, U1C00, U0146, B28A2, B28A1, U1P07, U1P08, U1C07, U1C08C

Techline has been receiving an increase of calls about numerous codes being present after a module replacement. It is always critical to read and follow all steps listed in the "Removal" and "Installation" directions in STIS when replacing any module in the vehicle. There are steps that have been added to the "Installation" directions on STIS when replacing modules, when these steps are not followed there will be multiple DTCs set after a new module is installed. There are two previous TechTIPS covering this subject with relation to replacing Stereo EyeSight cameras, July 2022 and <u>April 2023</u>.

There are now many modules that will need a programming procedure to be performed after replacement, a few examples are the Stereo EyeSight Camera, the Data Communication Module (DCM), the Transmission Control Module (TCM), the Vehicle Dynamics Control Module (VDC). There may be other modules that will also need the "Unit Registration" or "Immobilizer Registration" to be completed.

Some modules may have their own listing in the Immobilizer Registration section, again it is critical to read and follow all steps of the "Installation" directions in STIS.

Unit Registration, Codes/DTCs After Replacing a Module, U1C00, U0146, B28A2, B28A1, U1P07, U1P08, U1C07, U1C08C (CONTINUED)

- 6. Install the visor assembly. Content in the instrumentation/DRIVER INFO>Combination Meter>INSTALLATION.
- 7. Install the cover LWR driver. Cover State Cover Cover State Cover Cov
- Connect the ground terminal to battery sensor.
 Ref. to REPAIR CONTENTS>NOTE > BATTERY.

 Note:

After connecting the ground terminal to the battery sensor, place the select lever in the "P" position.

9. Perform the registration if the data communication module is replaced with a new part. 💿 Ref. to ENTERTAINMENT & MONITORING>Telematics System>OPERATION. 70. Check the LED illumination status of the telematics button. 🚳 Ref. to TELEMATICS SYSTEM (DIAGNOSTICS)>Check List for Interview>CHECK > LED ILLUMINATION STATUS LIST.

1. REGISTRATION (COMM CHECK)

Caution:

Do not press and hold the i-button for more than two seconds during communication check, or settings will return to factory mode i perform the communication check again. To check the mode status, see "Subscription Status" in the current data display on Subaru

- 1. If Subaru Select Monitor is connected, disconnect it from the data link connector.
- 2. Replace the data communication module with a new part.
- 3. Check that the LED of the telematics button illuminates green.
- 4, Register the immobilizer. For detailed operation procedure, refer to "Type G" or "Type H" described in "REGISTRATION MANUAL FOR IMMOBILIZER".
- 5. Press and hold the i-button for 2 seconds or more.

Note:

- When the subscription is completed, the telematics system will automatically activate.
- During Comm Check, LED blinks in green and red alternately.

To determine if "Unit Registration" needs to be performed, navigate to STIS for the vehicle being serviced, find the "Installation" directions for that module. This step will be listed. Below are a few examples from STIS instructing a Technician to perform the "Unit Registration".

- Install the light assembly map. Sef. to LIGHTING SYSTEM>Spot Map Light>INSTALLATION.
- 4. Connect the ground terminal to battery sensor. Context and the sense of the sens
- 5. When the stereo camera has been replaced, perform the module registration. 🧠 Ref. to COMMON (DIAGNOSTICS)>Unit Registration>OPERATION.
- 6. Perform the adjustment or inspection of the stereo camera. 🗠 Ref. to EyeSight>Camera Adjustment, Inspection.
- On [Start] screen, select [Immobilizer etc. registration].
 On [Select Registration] screen, select [Unit Registration (Update & Verification)]. Then, when a message screen is displayed, follow the instructions on the screen.
 Install the air intake boot. @ Ref. to INTAKE (INDUCTION)(H4DQ)>Air Intake Boot>INSTALLATION.
 Connect the ground terminal to battery sensor. @ Ref. to REPAIR CONTENTS>NOTE > BATTERY.
 When the TCM has been replaced, perform the module registration @ Ref. to COMMON (DIAGNOSTICS)>Unit Registration>OPERATION.
 Perform the [Clear AT learning value] and [AT learning mode] using Subaru Select Monitor. (B) Ref. to CONTINUOUSLY VARIABLE #ANSMISSION(TR580)>AT learning.
 On [Start] screen, select [Immobilizer etc. registration].
 On [Select Registration] screen, select [Unit Registration (Update & Verification)].
 - Then, when a message screen is displayed, follow the instructions on the screen.

IT IS CRITICAL TO READ AND FOLLOW ALL STEPS OF MODULE INSTALLATION LISTED IN THE SERVICE MANUAL

20 Solterra Reverse Buzzer Setting Change

There is a buzzer noise inside the passenger compartment that will sound when in Reverse, this is normal. This buzzer noise while in Reverse is a separate noise from the Subaru Parking Assist buzzer. The Owner's Manual states the Reverse buzzer can be turned off by a Subaru retailer. From the Solterra Owner's Manual:

		9-2. Customizat	tion	571
Customizable Feature	S			
Some function settings are tions being customized. Co details.	changed simul ntact your SUE	taneously with o ARU dealer for	other fu further	nc-
ASettings that can be cha	nged using the	multimedia sys	tem	
BSettings that can be cha	nged using the	multi-informatio	n displa	ay
CSettings that can be cha	nged by your S	UBARU dealer]	
Definition of symbols: O = 4 576 9-2. Customizatio	Available – =No N	ot available		
Reverse warning buzze	r			
Function	Default setting	Customized setting	AB	С
Signal (buzzer) when the shift position is in R	Continual	Mute		0

If a customer requests to have the Reverse buzzer turned off, follow the directions below.

Before starting this procedure verify the "Vehicle Area Selection" is set to North America. To change this setting, select "GTS+ Settings"





If needed change the "Vehicle Area Selection" to North America and press the arrow on the bottom right to save this setting.

GTS+ ONLINE			Vehicle : NA GuestUser 🗗 ?
Dealer Information	User Type	USA	
VIM Select	Example: -		
Venicle Area Selection	Optional Information		
Import Custom List	Dealer Address	1 T	
	Dealer Address		
	Dealer Email		
	Dealer Website		
	VIM Select		
	Interface setup: DST-i	✓ Detail	
C C	Vehiele Area Selection		
	North America		
	Vehicle Configuration		
	Import Custom List		
	import for stored custom list. Impor	A	

To verify the setting change, look at the top right of the GTS+ home screen, it should show "Vehicle: NA" for North America.



Once GTS+ is set to "North America", follow the screens shot below to navigate to the Reverse buzzer setting.

GT8+ ONLINE	Vehicle : NA GuestUser	GTS+ ONLINE	Vehicle : NA GuestUser
	ech <mark>S</mark> tream+	Vehicle Connection Confirm the Information and press Next Required Information VIN: JTMABABAXP	VIN resculsition VIN manual input
		Division: Model: Model Year: Engine:	TOYOTA v Solterna v 2023 v EV v
Con	nect to Vehicle	After	r confirming, press next.
ල්: Ver2023.01.004.941 Subscription Expiration.74d		Manual	

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20 Solterra Reverse Buzzer Setting Change (CONTINUED)

Main Menu				
Y Health Sheck	System Select	CAN Bus Check	Stored Data	
*			00	
Customize	ECU Security Key	Send Vehicle Informati	Vehicle Control History	

Wireless Door Lock	Door Lock
Security	Power Window
Wiper	Illuminated Entry
Warning	Light Control
Slide Roof	Air Conditioner
Display	Smart Key / Access
PSD & PBD operation	Seat
Others	Clearance Warning
Blind Spot Monitor	Headlight Control
My Settings	Plus Support
Front Recognition Camera	



영 @ We2823.01.004.941 5

The buzzer noise when in Reverse is unrelated to the Subaru Parking Assist buzzer, that feature can be adjusted by the customer. Directions for this can be found in the Owner's Manual on page 314.

20

314 5-4. Using the driving support systems

Turning SUBARU Parking Assist on/off

Use the meter control switches to enable/disable the SUBARU Parking Assist. (→P.154)

Press ∧ or ∨ to select Q.

2 Press (or) to select Pm

and then press OK.

When the SUBARU Parking Assist function is disabled, the SUBARU Parking Assist OFF indicator (→P.148) illuminates.

To re-enable the system when it

was disabled, select \$\$ on the

multi-information display, select

Pm and then On. If disabled using

this method, the system will not be re-enabled by turning the power switch off and then to ON.

00 STIS New Releases

ITEM CODE	ITEM TYPE	TITLE	CREATED DATE
E7210SL310	Accessory Installation Guide	2025MY Forester - STI Roof Spo	12-Dec-23
F5410SL000	Accessory Installation Guide	2025MY Forester - Moonroof Air	12-Dec-23
F0010SL000	Accessory Installation Guide	2025MY Forester - Side Window	12-Dec-23
J101SSL000	Accessory Installation Guide	2025MY Forester - Splash Guard	12-Dec-23
J2010SL100	Accessory Installation Guide	2025MY Forester - Center Conso	12-Dec-23
F501SSL000	Accessory Installation Guide	2025MY Forester - 2nd Row Suns	12-Dec-23
SOA9031100	Accessory Installation Guide	2025MY Forester - Windshield S	12-Dec-23
SOA9031000	Accessory Installation Guide	2023MY Solterra - Windshield S	12-Dec-23
J131SFNXXX	Accessory Installation Guide	2023MY Crosstrek and Impreza	12-Dec-23
F5510SL110	Accessory Installation Guide	2025MY Forester - Cargo Shelf	12-Dec-23
F5510SL060	Accessory Installation Guide	2025MY Forester Utility Hook M	12-Dec-23
F5510SL050	Accessory Installation Guide	2025MY Forester - Utility Hook	12-Dec-23
F5510SL010	Accessory Installation Guide	2025MY Forester Utility Hook	12-Dec-23
WRQ-23	Subaru Product/Campaign Bulletin	Safety Recall – Transmission I	12-Dec-23
MSA5M2430A	Owner Manual	2024MY Solterra Owner's Manual	12-Dec-23
MSA5M2431A	Owner Manual	2024MY SolterraCONNECT Subaru	12-Dec-23
MSA5B2410A	Owner Manual	2024MY Solterra Quick Start Gu	12-Dec-23
MSA5B2409A	Owner Manual	2024MY Solterra Getting Starte	12-Dec-23
MSA5M2422A	Owner Manual	2024MY SUBARU STARLINK Safety	11-Dec-23
MSA5M2432A	Owner Manual	2024MY SUBARU STARLINK Safety	11-Dec-23
15-236-18R	Technical Service Bulletin	Reprogramming File Availabilit	8-Dec-23
	Service Diagnostics	2024 BRZ Service Manual VH	5-Dec-23
16-145-23	Technical Service Bulletin	DTC P2797 / Reprogramming File	4-Dec-23
	Service Diagnostics	2024MY Solterra Service Manual	1-Dec-23
J201SXC001	Accessory Installation Guide	2021-24MY Ascent - Console Lid	30-Nov-23
J201SSJ001	Accessory Installation Guide	2021-24MY Forester - Console L	30-Nov-23
J201SFL601	Accessory Installation Guide	2021-23MY Impreza & Crosstrek	30-Nov-23
J201SAN601	Accessory Installation Guide	Console Lid Protector	30-Nov-23
H671SXC203	Accessory Installation Guide	2024MY Ascent Wireless Charger	30-Nov-23
H0010VC785	Accessory Installation Guide	2022+ MY WRX - CD PLAYER INSTA	30-Nov-23
H4610SL100	Accessory Installation Guide	2025MY Forester - LED Door Pro	30-Nov-23

All revised publications are highlighted in yellow.

ITEM CODE	ITEM TYPE	TITLE	CREATED DATE
J1210SL110	Accessory Installation Guide	2025MY Forester Rear Gate Inse	30-Nov-23
J1210SL100	Accessory Installation Guide	2025MY Forester Rear Gate Inse	30-Nov-23
07-207-22R	Technical Service Bulletin	Subaru Battery Drain Product L	27-Nov-23
09-106-23R	Technical Service Bulletin	Exhaust Pipe Front (EPF) Desig	27-Nov-23
09-94-22R	Technical Service Bulletin	Engine in Fail-Safe Mode / DTC	27-Nov-23
09-114-23	Technical Service Bulletin	Reprogramming Files / DTC P04A	27-Nov-23
S0A567B042	Accessory Installation Guide	Thule Bike Carrier – Hitch Mou	26-Nov-23

All revised publications are highlighted in yellow.

*** Now you can e-mail your TechTIPS input and suggestions to: tech@subaru.com ***

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