ATTENTION:
GENERAL MANAGER ❑
PARTS MANAGER ❑
CLAIMS PERSONNEL ❑
SERVICE MANAGER ❑

IMPORTANT - All Service Personnel Should Read and Initial in the boxes provided, right.

SUBARU

QUALITY DRIVEN® SERVICE

SERVICE BULLETIN

APPLICABILITY: 2021-22MY Crosstrek
2020-22MY Forester

NUMBER: 07-205-22R
DATE: 03/15/22
REVISED: 04/14/25

SUBJECT: Subaru Rear Vehicle Detection (SRVD) Information/ DTC U0162 – Lost Communication with Audio Visual Navigation Display Module

INTRODUCTION:

This bulletin announces the availability of new reprogramming files for the Subaru Rear Vehicle Detection (SRVD) system. Under rare conditions, the radar function of the SRVD system may experience a communication error and cause the SRVD warning message to appear. These new files provide logic to enhance CAN communication with the rear radar assembly and the head unit. If a customer experiences a SRVD warning lamp and DTC U0162 is stored within the SRVD control module, reprogram the SRVD control module with the new logic.

PRODUCTION CHANGE INFORMATION:

The production change information is currently TBD.

PACK FILE APPLICABILITY:

Model	MY	File Name	Decryption Keyword
Crosstrek	21	87611VC002.pak	826DD595
Forester	20-22		

SERVICE PROCEDURE / INFORMATION:

REMINDER: Customer satisfaction and retention starts with performing quality repairs.

Step 1) Using the Subaru Select Monitor 4 to check ECU numbers in both the Right-hand and left-hand Radar sensors.

"Subaru Rear Vehicle Detection (LH)" diagnosis > "work support" > "ECU number."

Reprogram the SRVD control module if you find ECU Part Number **87611VC000** or **87611VC001** for either radar sensor.

Continued...

Perform the diagnostic procedures for DTC U0162 if the ECU Part Number is **87611VC002** for both radar sensors.

Step 2) Prior to performing reprogramming procedure. Perform the following prerequisites:

- Turn the ignition switch to the "On" position with the engine not running.
- Apply the Parking brake.
- Move the gear selector to the Neutral (N) position.
- Wait a period 5 minutes before continuing.

Note: Confirm the gear selector is NOT in the Park (P) position during reprogramming, as the ignition switch may turn off automatically resulting in damage the control module.

Step 3) Connect a Midtronics DCA-800 or GR8-100 battery charger to the vehicle, utilize the Power Supply Mode feature to supply a stable **13.5 volts**.

Step 4) Reprogram the SRVD control module following the normal FlashWrite procedure.

Note: The SRVD control module will appear as **RCR** in the FlashWrite CPU selection box. Radar Calibration is **NOT** required after reprogramming is performed.

Step 5) After completing the programming, perform Step 1 again to ensure both radar sensors have ECU part numbers **87611VC002**. If so, the work is complete. If either ECU Part Number remains **87611VC000** or **87611VC001**, repeat the FlashWrite reprogramming procedure.

Subaru of America, Inc. (SOA) highly recommends connecting either the Subaru Midtronics DCA8000 Dynamic Diagnostic Charging System or the Subaru Midtronics GR8-1100 Diagnostic Battery Charger to the vehicle and utilizing the Power Supply Mode feature anytime a vehicle control module is being reprogrammed. Once the Midtronics charger is connected to the vehicle, if the battery is fully charged, it takes less than three (3) minutes to boot-up the charger, select the Power Supply Mode, and have the battery voltage stabilized and ready for reprogramming.

NOTES:

- **IMPORTANT:** The **NEW** decryption Keyword must be noted on the repair order for any newly installed programming as this information is required for entry in the Miscellaneous Detail field during claim submission.
- For instructions on using the power supply mode, reference the applicable User Manual for the Midtronics DCA-8000 Dynamic Diagnostic Charging System and the Midtronics GR8-1100 Diagnostic Battery Charger on STIS.
- Confirm all electrical loads such as lights, audio, HVAC, seat heaters, and rear defroster are all switched OFF before setting up the charger for Power Supply Mode.
- Select the correct battery type (Flooded, EFB, Gel, AGM or AGM Spiral).
- Input the CCA which matches the vehicle's battery. **NOTE:** OE and replacement batteries have different CCA ratings. Always confirm the battery's CCA rating before proceeding.
- If using a DCA-8000 Dynamic Diagnostic Charging System, set the power supply voltage to13.5 volts.
- DO NOT connect the DST-i or SDI until the Power Supply mode function has completed its battery test mode and the Charging Voltage has dropped to and shows a steady 13.5 Volts on the display.

Continued...

- Once Power Supply Mode reaches a steady 13.5 volts, connect the DST-i or SDI to the OBD connector and proceed with initiating the normal FlashWrite reprogramming process.
- Amperage will fluctuate based upon the vehicle's demand for power. **NOTE:** If the voltage rises beyond 14V while programming is in process, the procedure will abort. This can indicate a need to test or charge the vehicle battery before any further attempt at programming is made.

REMINDER: If the DCA-8000 or GR8-1100 indicates the vehicle's battery must be charged, charge the battery fully before proceeding to reprogram the vehicle while using the Power Supply Mode.

NOTE: Control module failures resulting from battery discharge during reprogramming are not a matter for warranty. Should any DTCs reset after the reprogramming update is performed, diagnose per the procedure outlined in the applicable Service Manual.

VERY IMPORTANT:

This information is applicable to the Subaru Midtronics DCA-8000 Dynamic Diagnostic Charging System and the Subaru Midtronics GR8-1100 Diagnostic Battery Charger **ONLY**. It does not apply to any other brand / type of "generic" battery charger whatsoever. **ONLY** the DCA-8000 and the GR8-1100 and their Power Supply Mode feature have been tested and approved by SOA.

Radar Calibration is **NOT** required after reprogramming is performed.

WARRANTY / CLAIM INFORMATION:

For vehicles within the Basic New Car Limited Warranty period or covered by an active Subaru Added Security Classic or Gold plan, this repair may be submitted using the following claim information:

Labor Description	Labor Operation #	Fail Code	Labor Time
SRVD/RCR CM Reprogramming	A067-810	UXP48	0.4

IMPORTANT: The **NEW** decryption Keyword must be noted on the repair order for any newly installed programming as this information is required for entry in the Miscellaneous Detail field during claim submission.

NOTE: The pak file listings provided in this bulletin are the latest available at the time of publishing. Updates are often released thereafter without revision to the original bulletin. For this reason, it is critical to always have the latest version of Select Monitor software installed on your system. You can confirm if a later version is available by entering the CID listed in this bulletin into FlashWrite. If a newer CID is shown as available in FlashWrite, reprogram using that file.

IMPORTANT REMINDERS:

- SOA strongly discourages the printing and/or local storage of service information as previously released information and electronic publications may be updated at any time.
- Always check for any open recalls or campaigns anytime a vehicle is in for servicing.
- Always refer to STIS for the latest service information before performing any repairs.