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: 2020-22MY Legacy & Outback

NUMBER: 06-83-22

DATE: 02/08/22

SUBJECT: VDC Reprogramming File Availability

INTRODUCTION:

This bulletin announces availability of reprogramming files to optimize the Vehicle Dynamic Control control module (VDCCM). The new files will address VERY rare cases of the Electronic Parking Brake (EPB) not disengaging along with an associated EPB warning message. This new logic optimizes the VDC parameters for the EPB mode of operation. If this concern is duplicated, reprogram the VDC control module following the normal FlashWrite procedure.

PRODUCTION CHANGE INFORMATION:

This logic has been incorporated into production as per the table below:

Model	Starting VIN
LEGACY	N3006163
OUTBACK	N3131197

PACK FILE APPLICABILITY:

Model	MY	File name	Decryption Keyword
LEGACY & OUTBACK	20 – 22	27596AN00C.pk2	749BD254
OUTBACK Wilderness	22	27596AN01B.pk2	282566DE

The reprogramming files will be included in the January 2022 SSM4 software update.

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SERVICE PROCEDURE / INFORMATION:

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

Required PC specifications:

- Windows 10 Enterprise or higher
- Intel® Core™ i5-836U CPU @1.6GHz or higher
- Memory (RAM) is 8GB or higher
  64-bit operating system

Confirm the following PRIOR to performing the reprogramming procedure:

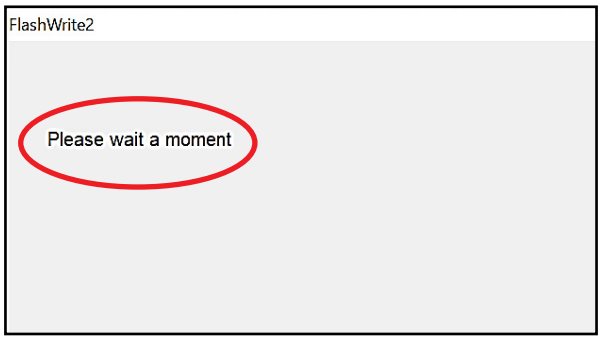
- Confirm there is no electronic noise in the area in which the vehicle is being reprogrammed. **EXAMPLES:** large electrical motors, fluorescent lighting, and welding equipment.
- All electrical loads are switched OFF such as lights, seat heater, blower, audio, etc.
- Confirm there is sufficient power supply for the laptop being used for reprogramming.
- Check ALL the control modules for DTCs and confirm there are none. If there are any DTCs present, they MUST be diagnosed, repaired, and cleared prior to reprogramming.

Reprogram the VDC following the normal FlashWrite 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.

Confirm the following DURING the reprogramming procedure:

- **DO NOT** stop the reprogramming process until the procedure is complete. If programing is interrupted for any reason, **DO NOT** close FlashWrite2. Restart the procedure from the beginning.
- If the message pictured below is displayed, wait until the screen transitions to the next message without disturbing the PC in any way. Patience is key.



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- **DO NOT** operate any functions of the vehicle such as pressing switches, pedals, etc.
- **DO NOT** disturb the DST-i in any way while programing such as vibrations, impact, etc.
- Warning messages may be displayed on the combination meter during reprograming. DO NOT interrupt the reprogramming as this is normal operation.
- If the VDC does not require reprogramming, the process will be automatically cancelled. Press the "OK" button to finish the procedure if prompted.

Once Programming is COMPLETE, it is IMPORTANT to confirm the following:

- It is possible for CAN communication fault to set during reprogramming. Check the DTC memory.
- Clear the fault memory, perform fault scan of ALL control modules, and confirm no faults return.

NOTES:

- 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 to 13.5 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.
- 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.

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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.

WARRANTY / CLAIM INFORMATION:

For vehicles within the Basic New Car Limited Warranty period, this repair may be submitted using the following claim information:

Labor Description	Labor Operation #	Fail Code	Labor Time
VDC Reprogramming	A567-318	FCR-48	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.