

ATTENTION:

GENERAL MANAGER

PARTS MANAGER

CLAIMS PERSONNEL

SERVICE MANAGER

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

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QUALITY DRIVEN® SERVICE

SERVICE BULLETIN

APPLICABILITY: 2015-18MY Legacy and Outback
2016-18MY WRX

NUMBER: 06-77-20R

DATE: 06/02/20

SUBJECT: DTCs C1531 and C1741- VDC Control Module Reprogramming

REVISED: 08/12/20

INTRODUCTION:

This bulletin announces the availability of reprogramming files to optimize the control module for the Vehicle Dynamics Control system (VDCCM). DTCs C1531 and / or C1741 may set, the Hill Holder warning lamp and cancellation alarm may activate and / or the VDC warning lamp can illuminate under the following conditions:

- If slight pressure continues to be applied to the brake pedal after releasing the Electric Parking Brake (EPB), the VDCCM judges the scenario as a malfunction and sets DTC C1531.
- If slight pressure continues to be applied to the brake pedal but not enough to activate the stop lamps, the VDCCM judges the scenario as a malfunction and sets DTC C1741.
- When battery voltage drops below a specified threshold, the VDCCM judges the condition as a power supply irregularity when the engine is started, blinks the Hill Holder indicator lamp and sounds the cancellation alarm alerting the driver that the system is inoperative.

PACK FILE APPLICABILITY:

NOTE: These reprogramming files have been included in the April 2020 SSM Update.

Model	PAK File Name	Old VDCCM Part Number	Decryption Keyword
2015MY Legacy / Outback w/o EyeSight	27596AL002_00D.pak	27596AL00A, B & C	FFD0C878
2015MY Legacy / Outback w/ EyeSight	27596AL014_01E.pak	27596AL01A, B, C & D	D0A74100
2016MY Legacy / Outback w/o EyeSight	27596AL021_02B.pak	27596AL02A	74C8A819
2016MY Legacy / Outback w/ EyeSight	27596AL033_03D.pak	27596AL03A, B & C	6725753E
2017MY Legacy / Outback w/o EyeSight	27596AL041_04B.pak	27596AL04A	C248432E
2017MY Legacy / Outback w/ EyeSight	27596AL052_05C.pak	27596AL05A & B	715A6803
2018MY Legacy / Outback w/o EyeSight	27596AL061_06B.pak	27596AL06A	8A076A4A
2018MY Legacy / Outback w/ EyeSight	27596AL071_07B.pak	27596AL07A	E220E1CE
2016MY WRX w/ CVT and EPB	27596VA034_VER1.pak2	27596VA030, 31, 32, & 33	421EDEC3
2017MY WRX w/ CVT and EPB	27596VA074_VER1.pak2	27596VA070, 71, 72, & 73	DAD5052B
2018MY WRX w/ CVT and EPB	27596VB102.pak2	27596VB100 & 101	94859063

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

Subaru Service Bulletins are intended for use by professional technicians ONLY. They 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, DO NOT assume that this Service Bulletin applies to your vehicle, or that your vehicle will have that condition.

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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.

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SERVICE PROCEDURE:

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

- Reprogram the VDCCM following the normal FlashWrite procedure.

Subaru of America, Inc. (SOA) highly recommends connecting either the Subaru Midtronics DCA-8000 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:

- 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.

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.

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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WARRANTY / CLAIM INFORMATION:

For vehicles within the Basic New Car Limited warranty or 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
VDCCM Reprogramming	A567-318	FCR-48	0.4

IMPORTANT: Always note the new Decryption Keyword 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.