

**MODEL:** Karma Revero

**DATE:** February 2018

**Revised 02-01-18**

**TITLE:** Heater Hose Control Valve Install

**PRIORITY:** All Revero

**APPLICABILITY:** MY17 and MY18 Revero (See attached VIN list)

**MARKET REGION:** North America

**PURPOSE:** Installing the Hose Assembly with heater actuator valve

A new valve is added to the hose assembly illustrated below. This is to be installed on every vehicle found on the following list.

The parts required for this are the jumper harness, the hoses and valve assembly, and C141790503200 (taptite Bolt-Hex FL TF M6 X 1.0 X 16.0) for this install. An automatic center punch or hadn punch is required in fitting vehicles with this part. Have a small drill and bit available, and felt tape, such as Coroplast.



fig. 1a



fig. 1b



fig. 1c

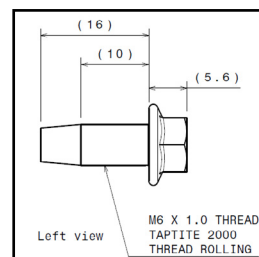


fig. 1d



fig. 1e

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The following vehicles are subject to this bulletin action.

50GK41SA7HA000014	50GK41SA5JA000034	50GK41SA6JA000060	50GK41SA8JA000092
50GK41SA0HA000016	50GK41SA7JA000035	50GK41SA8JA000061	50GK41SAXJA000093
50GK41SA4HA000018	50GK41SA2JA000010	50GK41SAXJA000062	50GK41SA1JA000094
50GK41SA6HA000019	50GK41SA9JA000036	50GK41SA1JA000063	50GK41SA3JA000095
50GK41SA8HA000023	50GK41SA0JA000037	50GK41SA3JA000064	50GK41SA5JA000096
50GK41SA4HA000021	50GK41SA2JA000038	50GK41SA5JA000065	50GK41SA7JA000097
50GK41SA6HA000022	50GK41SA4JA000039	50GK41SA7JA000066	50GK41SA9JA000098
50GK41SA2HA000020	50GK41SA6JA000009	50GK41SA9JA000067	50GK41SA0JA000099
50GK41SAXHA000024	50GK41SA0JA000040	50GK41SA0JA000068	50GK41SA3JA000100
50GK41SA3HA000012	50GK41SA2JA000041	50GK41SA2JA000069	50GK41SA5JA000101
50GK41SA4JA000011	50GK41SA4JA000042	50GK41SA9JA000070	50GK41SA0JA000104
50GK41SA6JA000012	50GK41SA6JA000043	50GK41SA2JA000072	50GK41SA2JA000105
50GK41SA8JA000013	50GK41SA7JA000004	50GK41SA6JA000074	50GK41SAXJA000109
50GK41SAXJA000014	50GK41SA0JA000006	50GK41SA8JA000075	50GK41SA8JA000111
50GK41SA1JA000015	50GK41SAXJA000045	50GK41SAXJA000076	50GK41SA1JA000113
50GK41SA3JA000016	50GK41SA1JA000046	50GK41SA1JA000077	50GK41SA3JA000114
50GK41SA5JA000017	50GK41SA3JA000047	50GK41SA3JA000078	
50GK41SA7JA000021	50GK41SA5JA000048	50GK41SA5JA000079	50GK41SA0JA000023
50GK41SA9JA000019	50GK41SA7JA000049	50GK41SA1JA000080	50GK41SA6JA000026
50GK41SA5JA000020	50GK41SA5JA000051	50GK41SA3JA000081	50GK41SA8JA000044
50GK41SA8JA000027	50GK41SA3JA000050	50GK41SA5JA000082	
50GK41SA2JA000007	50GK41SA7JA000052	50GK41SA7JA000083	
50GK41SAXJA000028	50GK41SA0JA000054	50GK41SA9JA000084	
50GK41SA1JA000029	50GK41SA2JA000055	50GK41SA2JA000086	
50GK41SA8JA000030	50GK41SA4JA000056	50GK41SA4JA000087	
50GK41SAXJA000031	50GK41SA6JA000057	50GK41SA8JA000089	
50GK41SA1JA000032	50GK41SAXJA000059	50GK41SA4JA000090	
50GK41SA3JA000033	50GK41SA8JA000058	50GK41SA6JA000091	

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1. Disconnect the 12V system (including the fuse #10) and remove the chassis braces and engine cover.

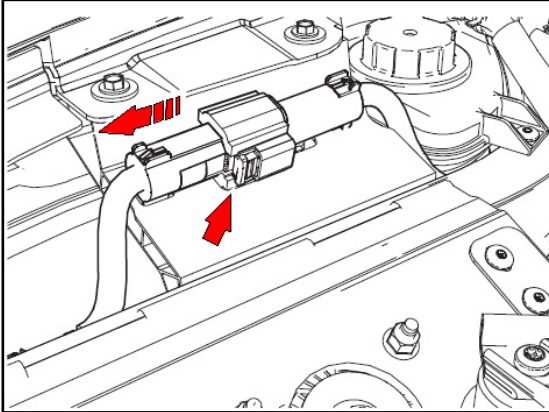


fig. 2a

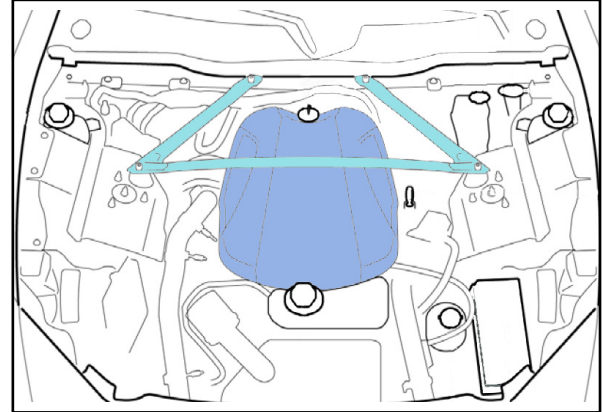


fig. 2b

2. Clamp the hoses off to minimize coolant spillage as shown, using suitable clamps or pliers design not to damage hoses.  
Remove the section of hose from the vehicle as shown (fig. 3a, 3b).

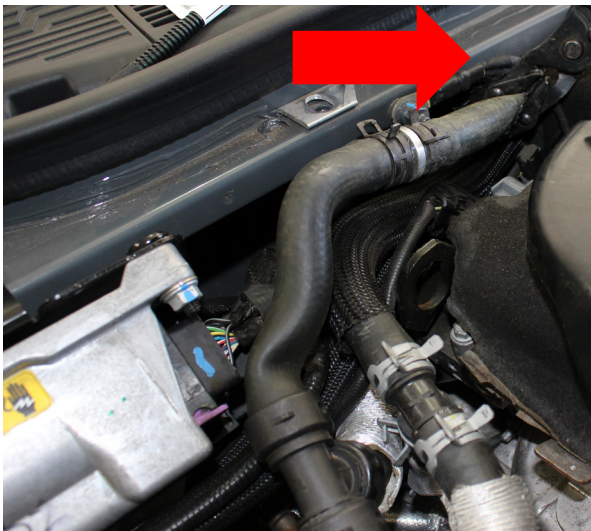


fig. 3a



fig. 3b

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3. Remove the installed Valves and hoses assembly, from the new assembly remove the equivalent section with valve - this involves the spring clamped sections only.



fig. 4a

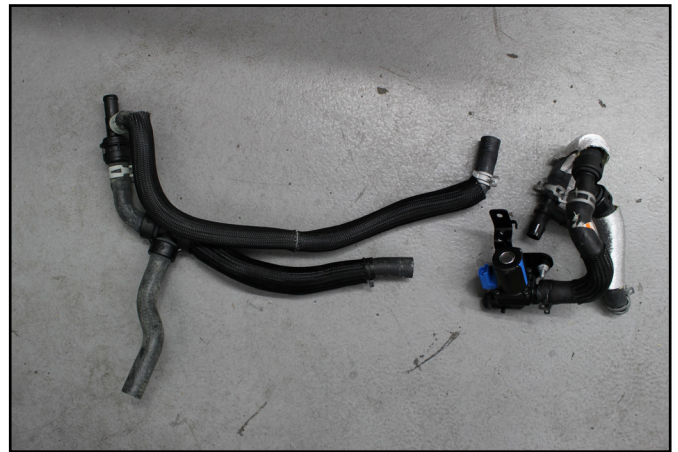


fig. 4b

Side by side comparison, original section left and new assembly with actuator on the right (fig 4c).



fig. 4c

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4. Install the new valve and hose assembly. Lay this over the area (fig. 5a) To ensure a good fit. The installation should have no kinking or hose binding.

**If needed install the entire assembly as received.**



fig. 5a

The image (fig. 5b) illustrates the valve location overlaid on the existing hose. Note: The valve is mounted under the cross bar, the tab is located next to the ground stud, this is important for proper hose fitment. **If needed install the entire assembly as received.**

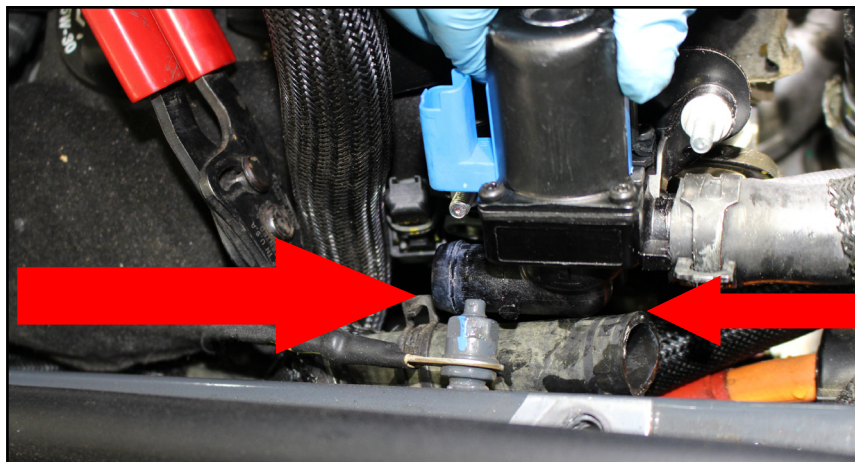


fig. 5b

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5. The bracket has a locator tab which will mount under the cross beam, it is for anti-rotation. Place the bracket in the correct location, preventing any kinking of the installed hoses. Wrap the tab as a shown with felt tape - such as Coroplast (fig 6a, 6b). This will aid in preventing any vibration.

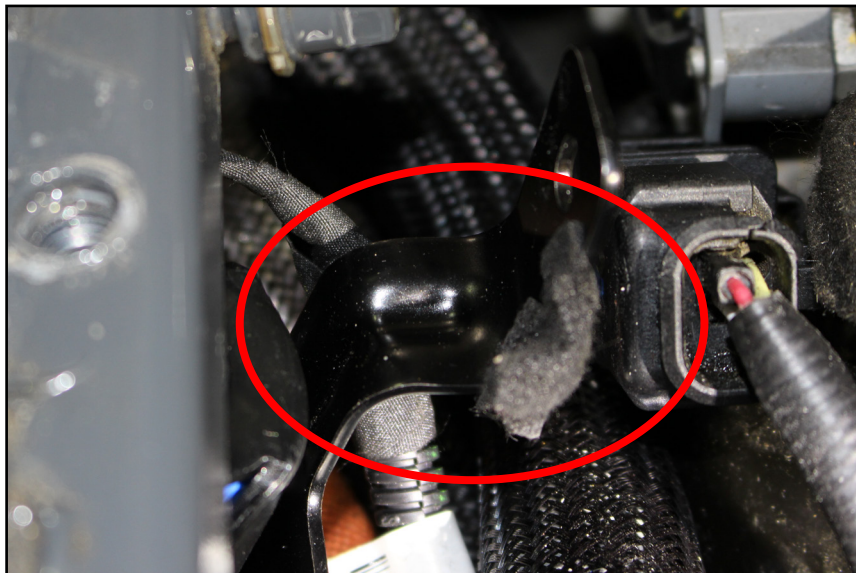


fig. 6a



fig. 6b

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7. Mark the mounting location of the bracket with a felt tip marker and center punch this (fig 7a, 7b).

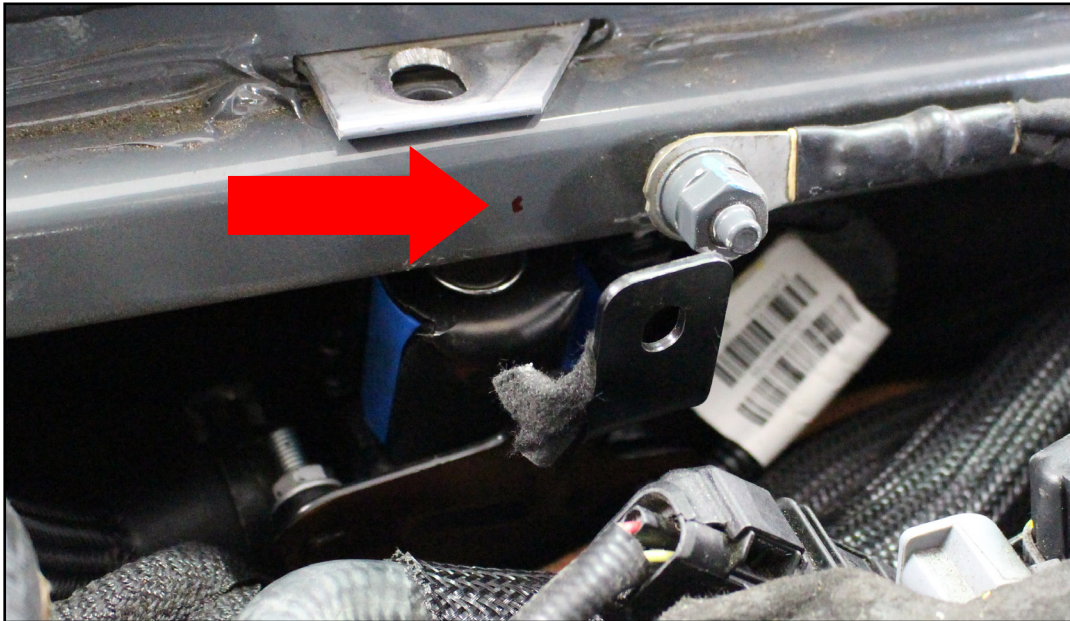


fig. 7a



fig. 7b

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8. Prepare the location by creating a pilot hole with a small drill bit, the taptite bolt C141790503200, will require a 5mm hole. (fig 8a).



fig. 8a

Before final mounting, attach the harness (C131133900700) to the blue connector on the actuator (fig 8b, 8c).



fig. 8b

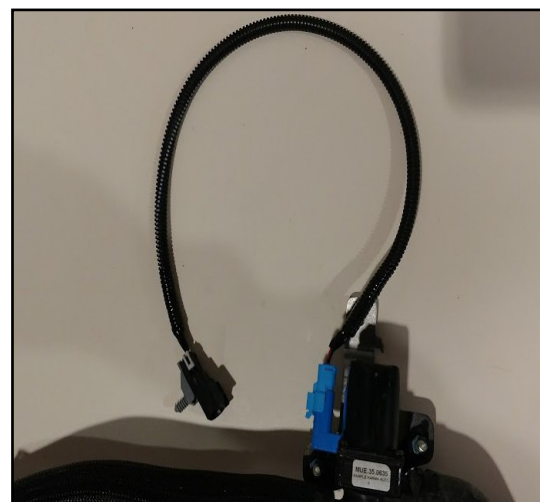


fig. 8c

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9. Mount the assembly into the created location as shown (fig 9a) with C141790503200 (BOLT-HEX taptite M6 X 1.0 X 16.0).

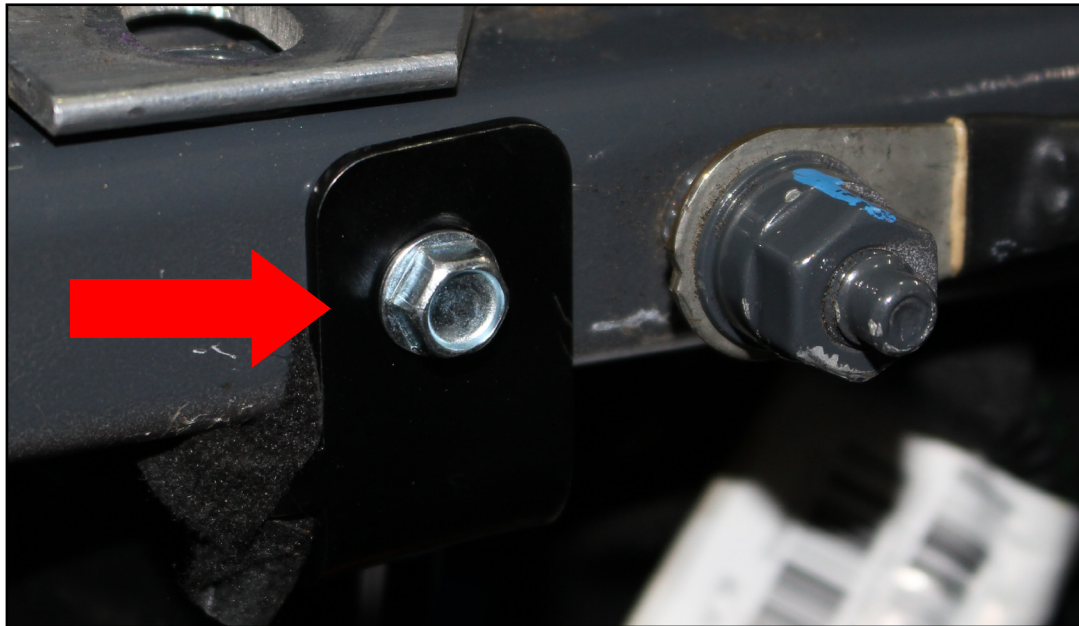


fig. 9a

Connect to the available connector of the harness (C131133900700) to the available terminal, by the passenger side hood switch, there will be a small cap to remove, this can be discarded (fig 9b, 9c).

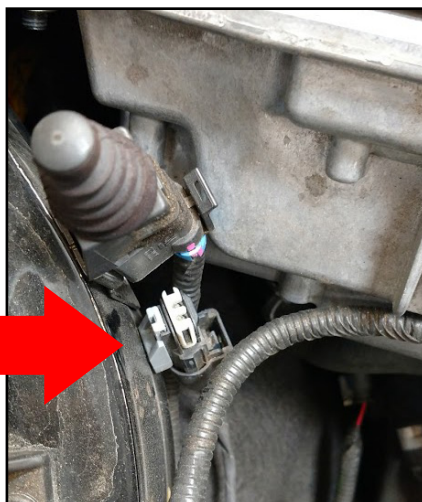


fig. 9b

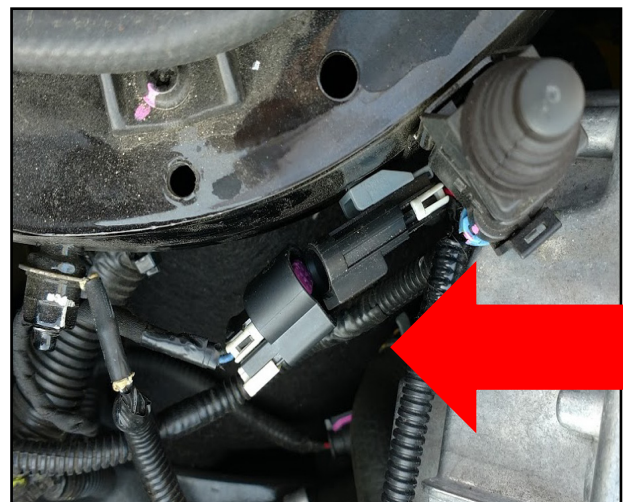


fig. 9c

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10. Bleed the system and evacuate as much air as possible, a zip tie was used here to aid in repackaging the hose (fig.10a, 10b). Reassemble the vehicle in the reverse of disassembly

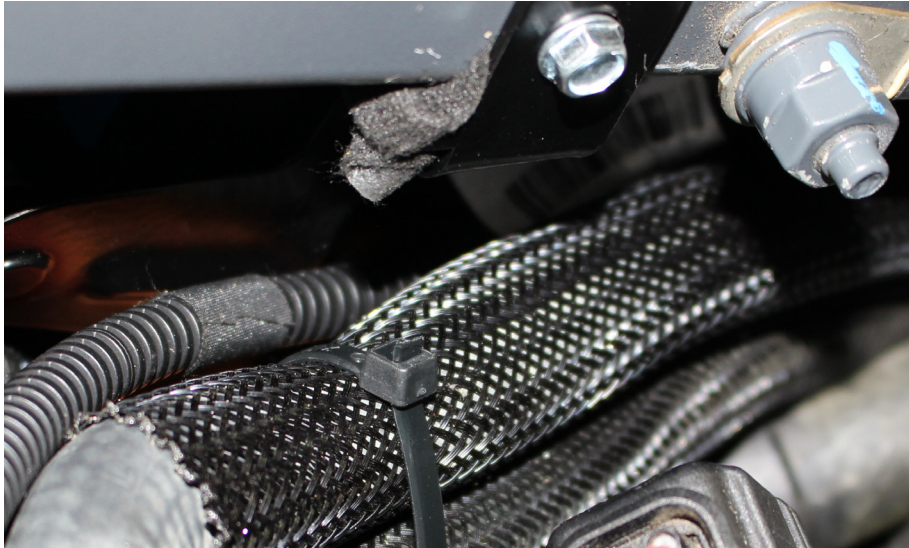


fig. 10a

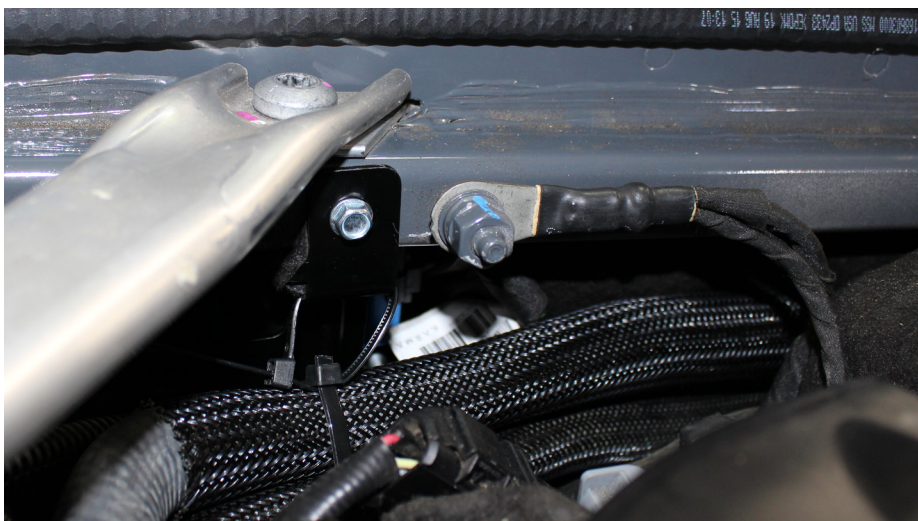


fig. 10b

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11. Install all BL1030 hardware

- Install all BL1030 software OTA and Karma Sync (Bulletin CC-17-00-29)
- Place Vehicle in Stealth
- Heat on max, make sure heating icon is "on" or blue. This should force PTC heater and pump on, listen for pump back by windshield mounted near wipers.
- With the pump on, it should self-bleed and push air to the reservoir.
- Fill coolant reservoir on LH side of engine compartment as needed
- When the coolant level in reservoir has stabilized, bring the engine to operating temperature, force generator on by placing vehicle in Sport, press and hold brake, press accelerator to the floor. Allow it to run for 2-5 minutes.
- Check for leaks during this process.
- Verify upper hose clamp torque be checked on ALL vehicles as described in bulletin: [TB-18-20-01 Radiator Hose Clamp Inspection](#)
- If no leaks, verify the operation of the HVAC system, test on full heat max, and A/C full, check for any air or needed coolant
- After all BL1030 hardware and software are complete the vehicle MUST be driven in sport mode, with heat on MAX until fully warmed up, then coolant topped up after the test drive if needed. Ensure no air pockets and verify no DTC's are present after the updates.

**⚠ NOTICE! ⚠**

After all BL1030 hardware bulletins are completed as applicable, contact TSS for instructions on how to proceed with the firmware updates. See Bulletin CC-17-00-29 Baseline 1030 Firmware Release.



# Service Campaign

## CC-17-20-14

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TITLE: Heater Hose Control Valve Install

### PARTS REQUIRED:

PART NUMBER	DESCRIPTION	QTY
C131133901006	Assembly ICE Connections and Valves	1
C131133900700	Jumper Harness	1
C141790503200	Taptite Bolt-Hex FL TF M6 X 1.0 X 16.0)	1

### SHOP SUPPLIES:

DESCRIPTION
N/A

### SPECIAL TOOLS:

DESCRIPTION
N/A

### CAUSAL PART:

PART NUMBER	DESCRIPTION
C131133901005	Assembly ICE Connections and Valves

### LABOR CODES:

CODE	DESCRIPTION	TIME	DEFECT CODE
30-50-12-10	Heater control valve install CC-17-20-14	1.7	90-10-20-17

**\*Please refer to Service Communication SC-17-01-36 – BL1030 Release Supplement for special claim submission instructions.**

### SUBLET:

CODE	DESCRIPTION	AMOUNT
N/A		

**WARRANTY DISPOSITION:** This repair is covered under the New Vehicle Limited Warranty, in effect for five (5) years from the in-service date with no mileage limitation.

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