

Campaign – Radiator Control Module Update

MODIFICATION INSTRUCTION

Bulletin No. 2016-2

Date: May 2016

Systems affected

EBB-60 trailer, model years 2011 through 2015 inclusive

Background

A software upgrade is available for the electronic controller for the cooling radiator for the engine of the EBB-60 trailer. This upgrade will modify control of the electric fans to run at a higher rpm and provide improved cooling to the engine and other components. Controllers with updated software are now available to customers. These instructions give detailed information on removal of the original and replacement of the supplied replacement controller. Note that the original controller must be sent back to Temp-Air, Inc. for credit.

Parts required

PART #	DESCRIPTION	QTY
83100.255	CONTROLLER REPLACEMENT uTMC	1

Procedure

1. Disconnect the negative terminal of the engine battery, located just inside the left side door. Locate the controller near the top of the radiator panel, right side. Refer below to illustration 1. **Caution: Do Not attempt this work unless the engine is off and has had at least two hours to cool!**
2. Using 10mm socket, extension and ratchet, remove the four capscrews securing the electrical component rail to the radiator frame. This component rail must be moved a small amount to the right to afford access to the controller fasteners. Retain all hardware for reinstallation. See illustrations 1 and 2 below:
3. Grasp controller electrical connector by each side, and pull as the plastic tabs are depressed. A gentle side-to-side rocking motion will assist in removing the plug. Once the connector is removed from controller, move it aside and down. Next remove the two capscrews securing the controller to the electrical component rail. Retain hardware for reinstallation. Refer to illustration 3.
4. Carefully remove controller from radiator body, taking care to not disturb the surrounding harness cabling.

Illustrations

Controller replacement

Illustration 1

Electrical
component rail:
Remove these
screws first!

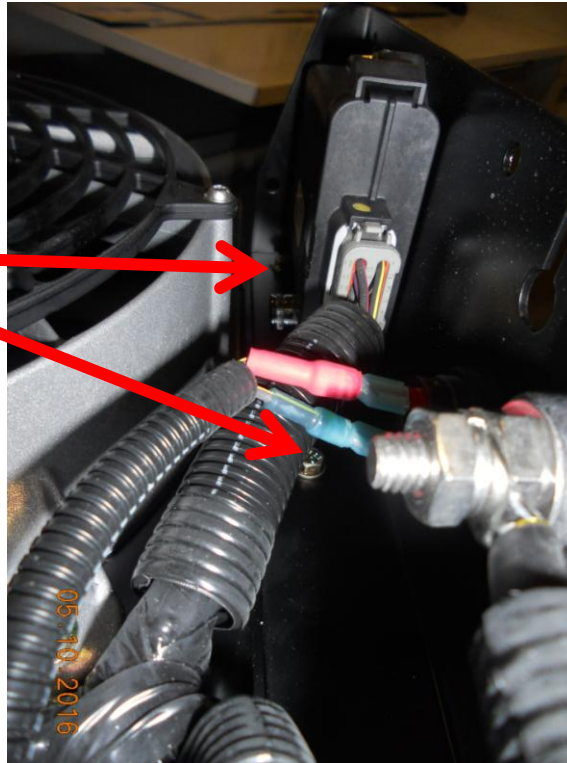
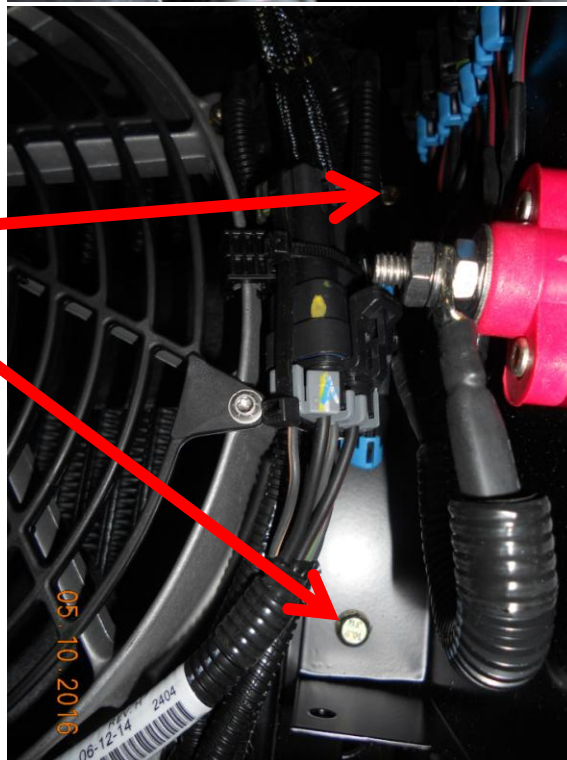


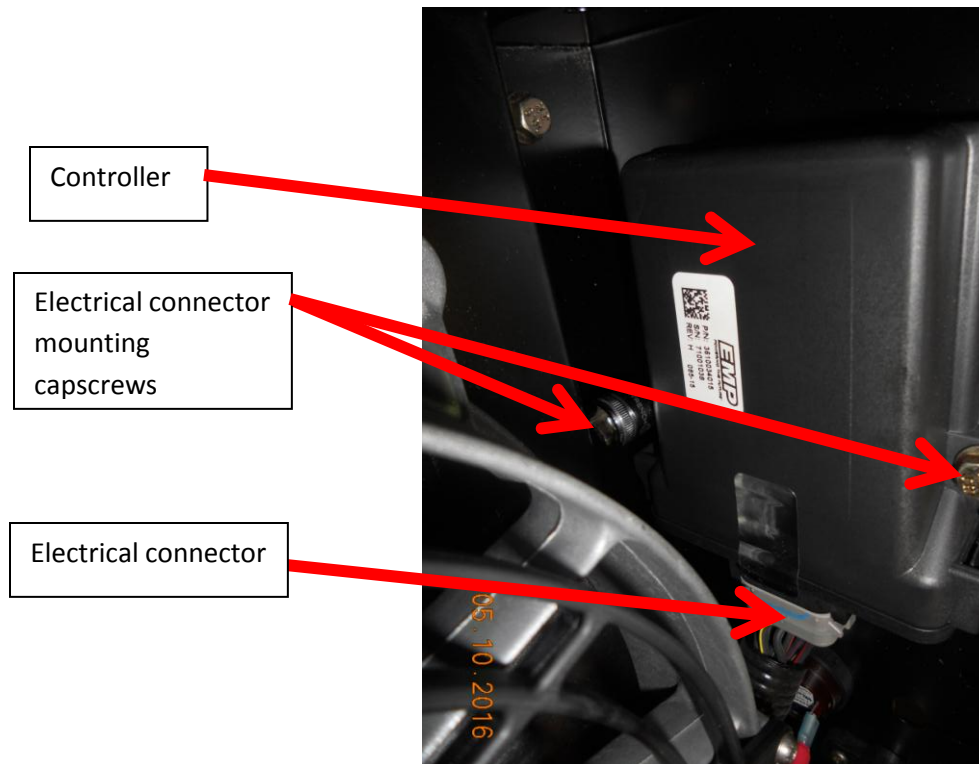
Illustration 2

Electrical
component rail:
Remove these
screws first!



Procedure
Controller replacement

Illustration 3



5. Replacement of the controller is the reverse of the removal process. Reuse hardware removed in above steps.
6. When controller, harness, and all fasteners are reinstalled, replace negative battery cable.
7. Start generator using normal procedure. Through the engine access doors, observe the operation of all three fans. There is a red sentry light on the right side of the radiator assembly. Observe if it is illuminated or blinking. It should light once at start and then turn off. Contact Temp-Air if adverse fan or light operation is noted.
8. Should any questions or need for assistance concerning this procedure arise, contact Temp-Air Thermal Remediation at: 800-736-7432, and ask for Thermal Technical Support.
9. A UPS Return Label is furnished with the new controller to facilitate return of the original. Once packaged, call UPS or drop off at any UPS store. Controllers must be returned to:

Temp-Air Inc. Attn: Thermal Remediation Group
3700 West Preserve Blvd
Burnsville, MN 55337