



PROTERRA



TECHNICAL SERVICE BULLETIN

ISSUE DATE:	9-22-2020
SERVICE BULLETIN SUBJECT:	400 Volt HVAC Software Update
VINs or MODELS AFFECTED:	Service Specified Buses
COMPLETE BY:	Next Service Opportunity
SERVICE BULLETIN #:	SC-20-138
Labor Operation Code:	N/A

NOTICE! It is expected that this process will require 1 hour per bus. Please schedule appropriately to minimize vehicle downtime.

400 VOLT HVAC SOFTWARE UPDATE

Retrofit Description:

This procedure updates the HVAC software to the latest version for improved performance.

Tools/Parts Required

Tools and Supplies Required:

- Proterra Service Laptop with Klimalogic and Mobile Starter Software Installed
- PCAN Dongle
- KL2 Programming Harness
- USB to Serial Adapter
- Small Screwdriver or Special HVAC Controller Tool

Parts Required:

- None

Procedure

1. Working on the Customer Service Laptop Computer, navigate to the following folder on the Proterra network. <\\bus.local\files\Engineering\Service Bulletins\Service Bulletin Files for SC-20-138>
2. Copy the entire contents of this folder to a known location on the Computer.
3. Perform the Proterra approved Lockout/Tagout procedure to make the bus safe for work.
4. With the bus powered off, use a Small Screwdriver or the Special Tool shown below to release the HVAC controller from the overhead panel.

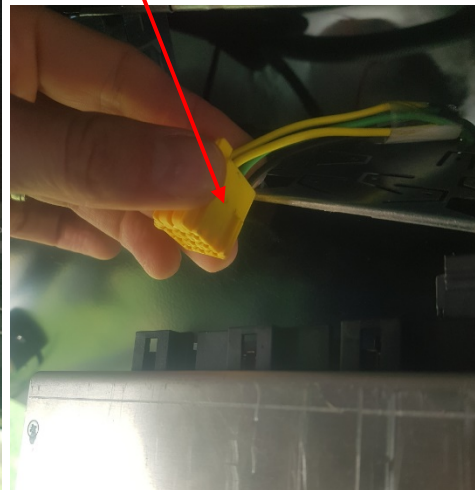


Special Tool

5. Disconnect the Yellow Connector shown on the HVAC Controller.



Disconnect



6. Connect the two connectors on the Programming Cable to the HVAC Controller and to the connector that was disconnected from the Controller as shown below.



7. Connect the other end of the Programming Cable to the computer using a USB to Serial adapter.



8. Remove the Lockout/Tagout Devices and turn the main disconnect on.

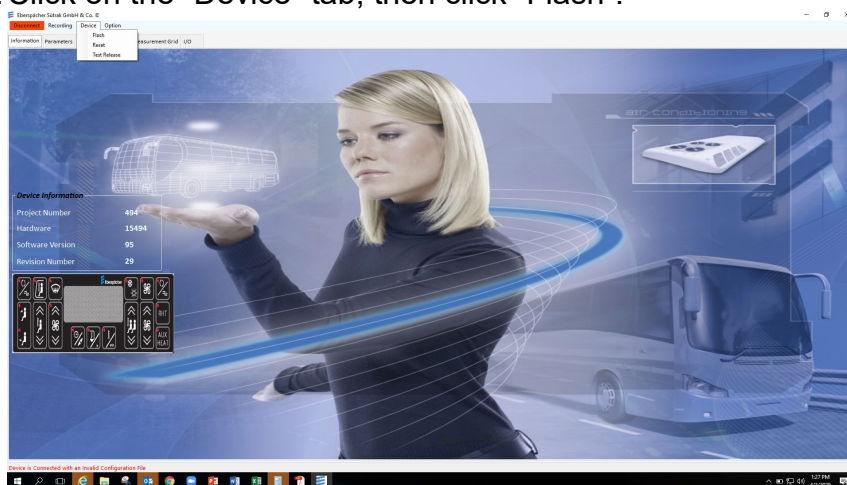
9. Power the bus on by setting the Master Switch to the on position and pressing the Start Button.



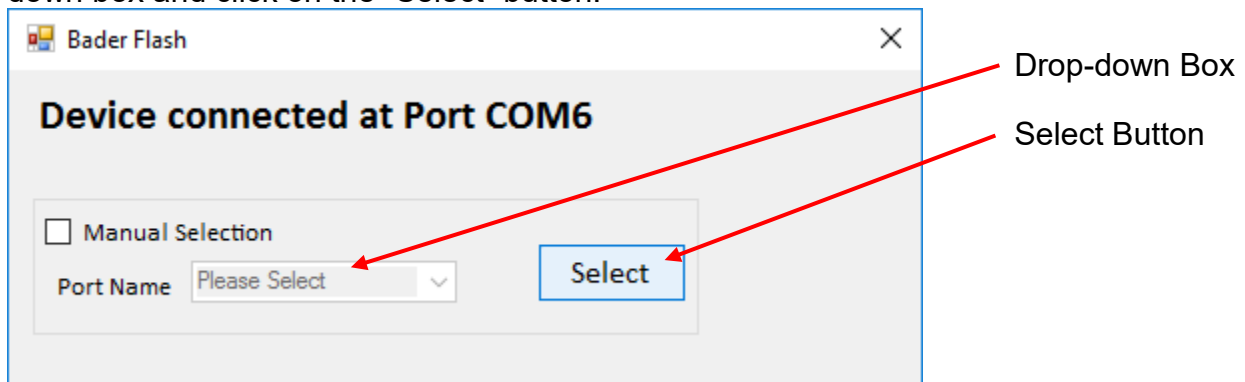
10. Start the Klimalogic Software.



11. Click on the “Device” tab, then click “Flash”.

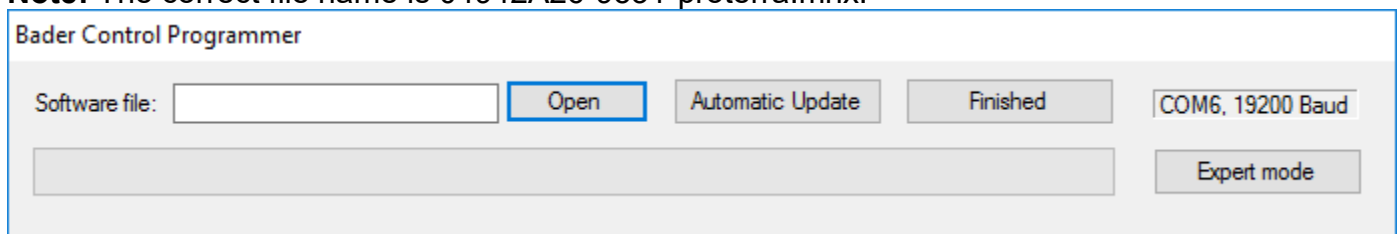


12. The following dialog box will appear. Pick the correct COM port for your adapter in the drop-down box and click on the “Select” button.

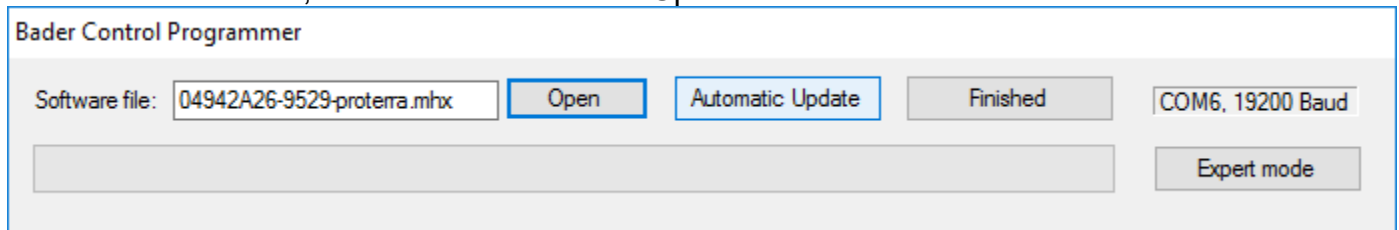


13. The following dialog box will appear. Click the “Open Button” and navigate to the location where the files for this service campaign were saved.

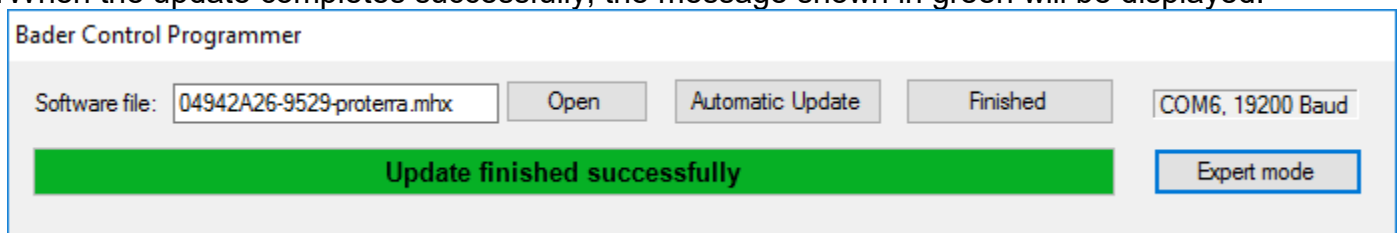
Note: The correct file name is 04942A26-9531-proterra.mhx.



14. With the file selected, click on the “Automatic Update” button.



15. When the update completes successfully, the message shown in green will be displayed.



16. Click on the “Finished” button and close the Eberspacher Klimalogic Software.
17. Power down the bus and complete the Proterra approved Lockout/Tagout procedure to make the bus safe for work.
18. Disconnect the programming cable from the HVAC Controller.
19. Reconnect the HVAC Controller to the bus wiring harness.
20. Reinstall the HVAC Controller into the overhead panel.

21. Remove the Lockout/Tagout devices and power on the bus.

22. Return the bus to service.