ISSUE DATE:	3-9-2021
SERVICE BULLETIN SUBJECT:	800V F-IGE/R-PSE DCU Software Update
VINs or MODELS AFFECTED:	Service Specified Buses
COMPLETE BY:	Next Service Opportunity
SERVICE BULLETIN #:	SC-21-35
Labor Operation Code:	WE50Z

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

800V F-IGE/R-PSE DCU SOFTWARE UPDATE

Retrofit Description:

This procedure updates the door control software to the latest version.

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Tools/Parts Required

Tools and Supplies Required:

- Proterra Service Laptop with Door Programming Software and Cable

Parts Required and Included in the kit:

- 049141 ASSEMBLY, DOOR SOFTWARE, F-IGE/R-PSE 1 EA

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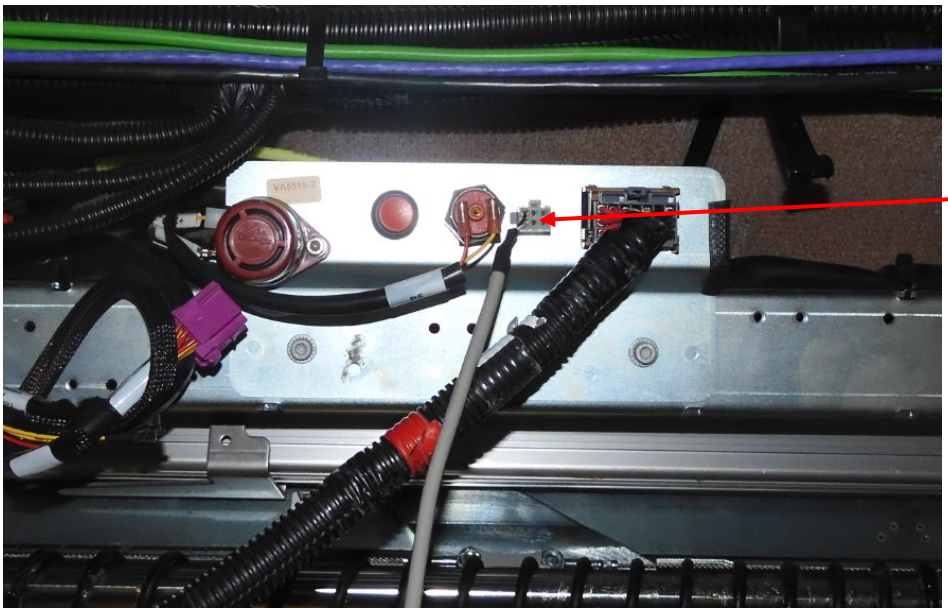
Procedure:

1. Using a 3/16-Allen Driver, remove the Hadley Panel above the rear door.

2. Connect the programming cable to the rear door controller as shown in the following photograph.



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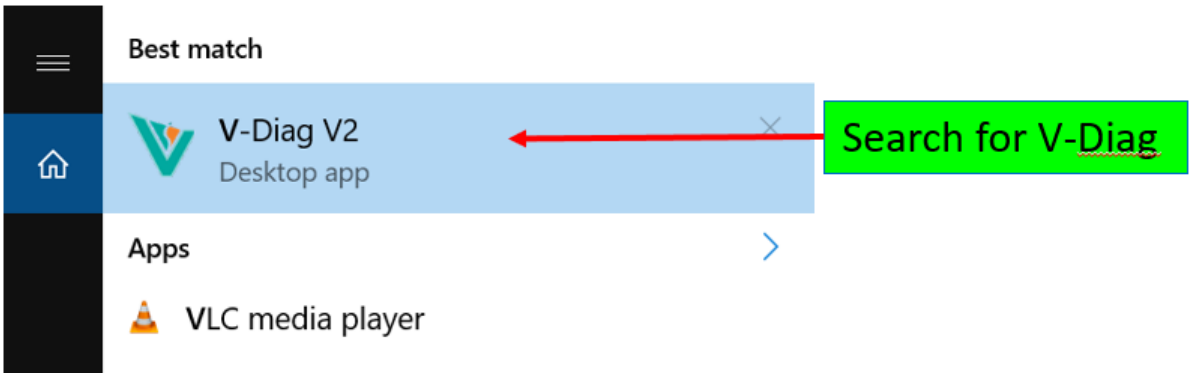
3. Connect the other end to the Service Laptop.

4. Navigate to the following folder on a Proterra Service Laptop.
   \\bus.local\files\Engineering\Service Bulletins\Service Bulletin Files for SC-21-35

5. Download the files located in this folder to a folder on your desktop.

6. Search the Laptop for the V-Diag program and start it.



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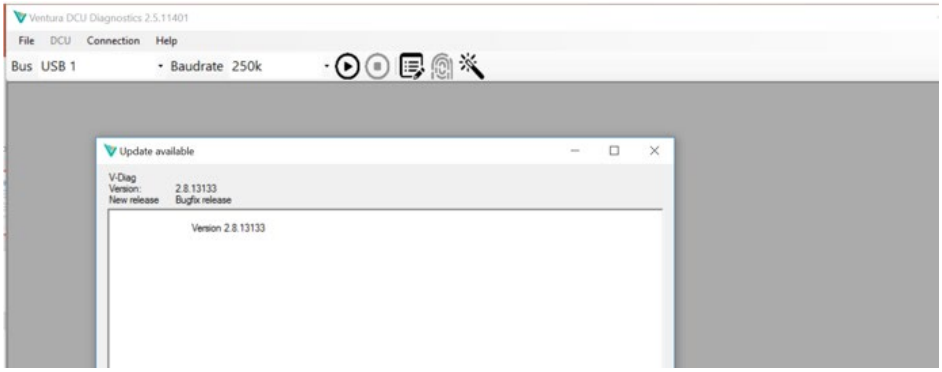
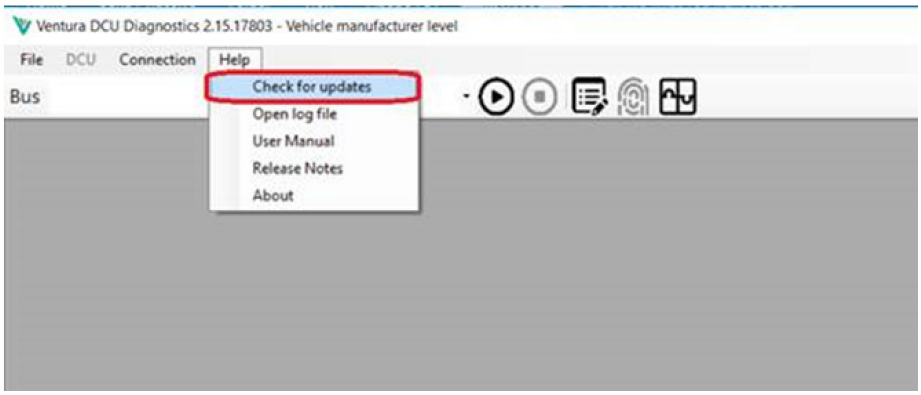
7. If the following screen appears, the software must be updated to the latest version before continuing the process.

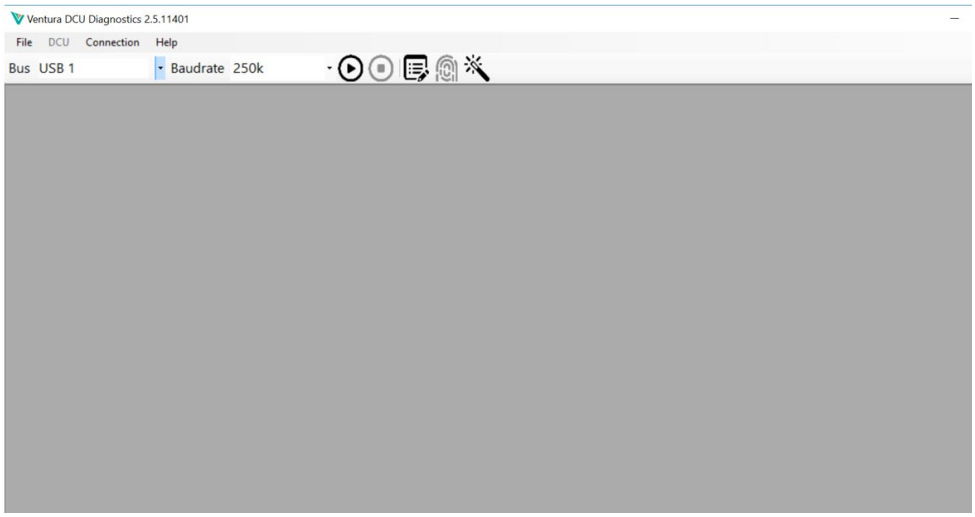


8. Update the software to the latest version as shown in the following illustration.
   Note: Updating may require “admin rights” on the computer. Contact Proterra IT if assistance is needed.



9. When the software is updated, restart the software.

10. The following screen will appear.



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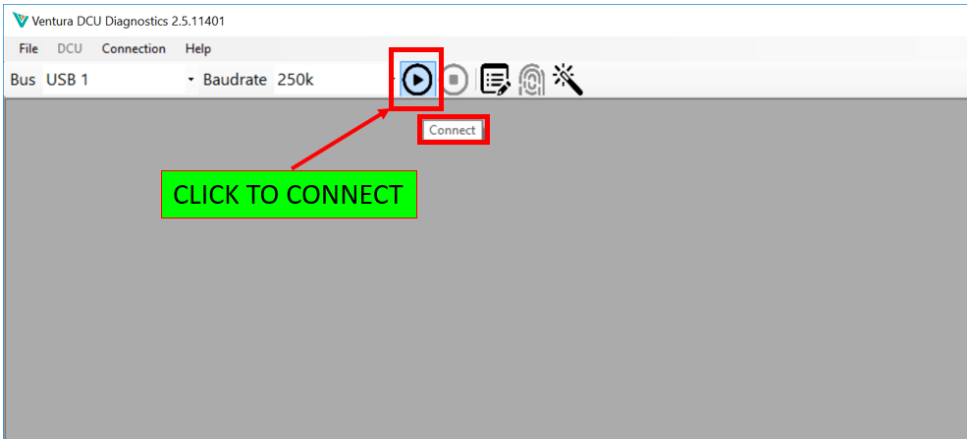
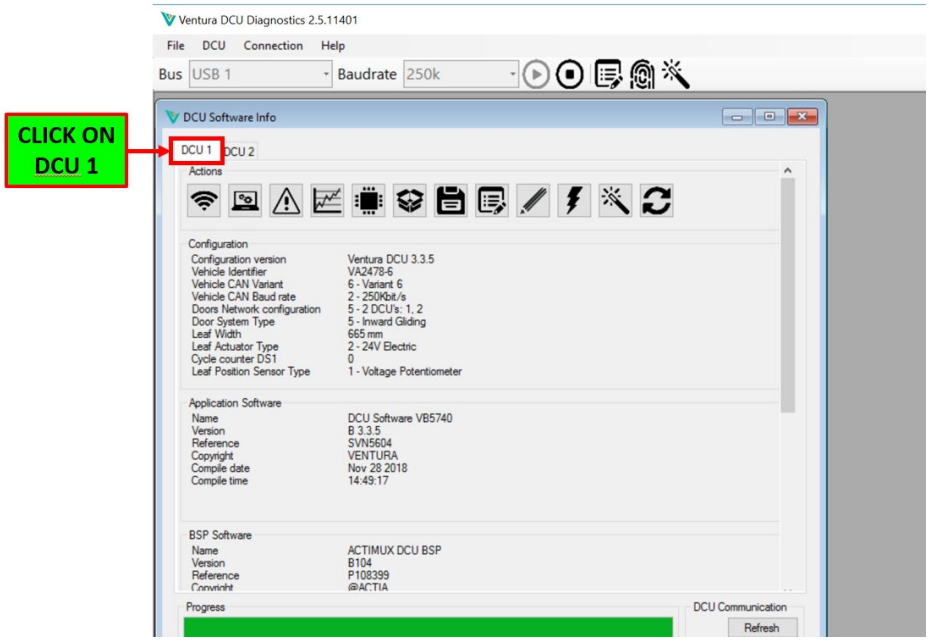
11. Click on the “Play” button to connect to the door controllers.



12. When the Laptop is connected to the door control system the following screen will appear. Click on “DCU 1” to select the front door controller.



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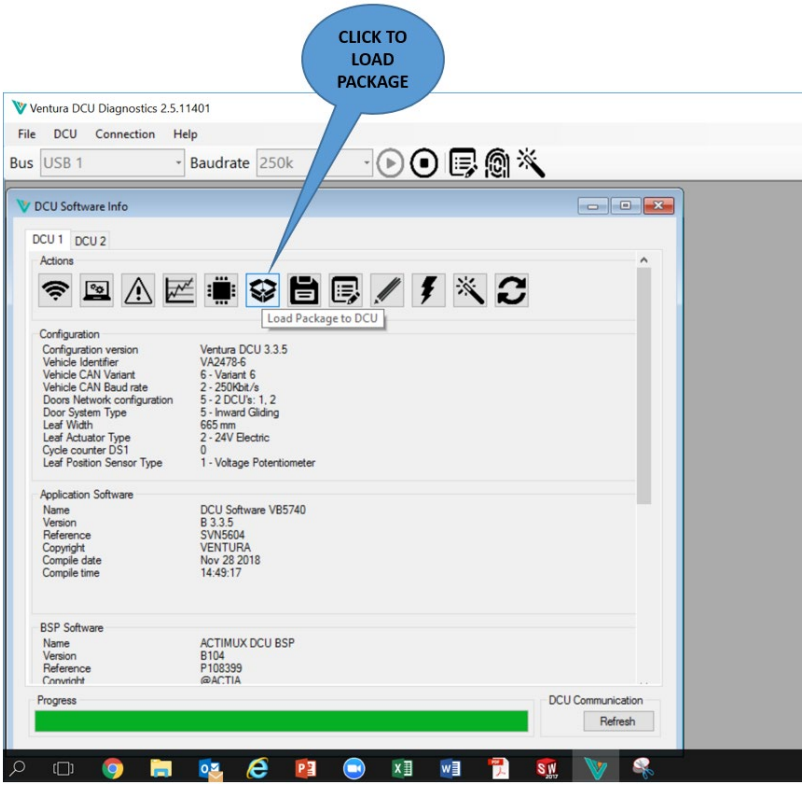
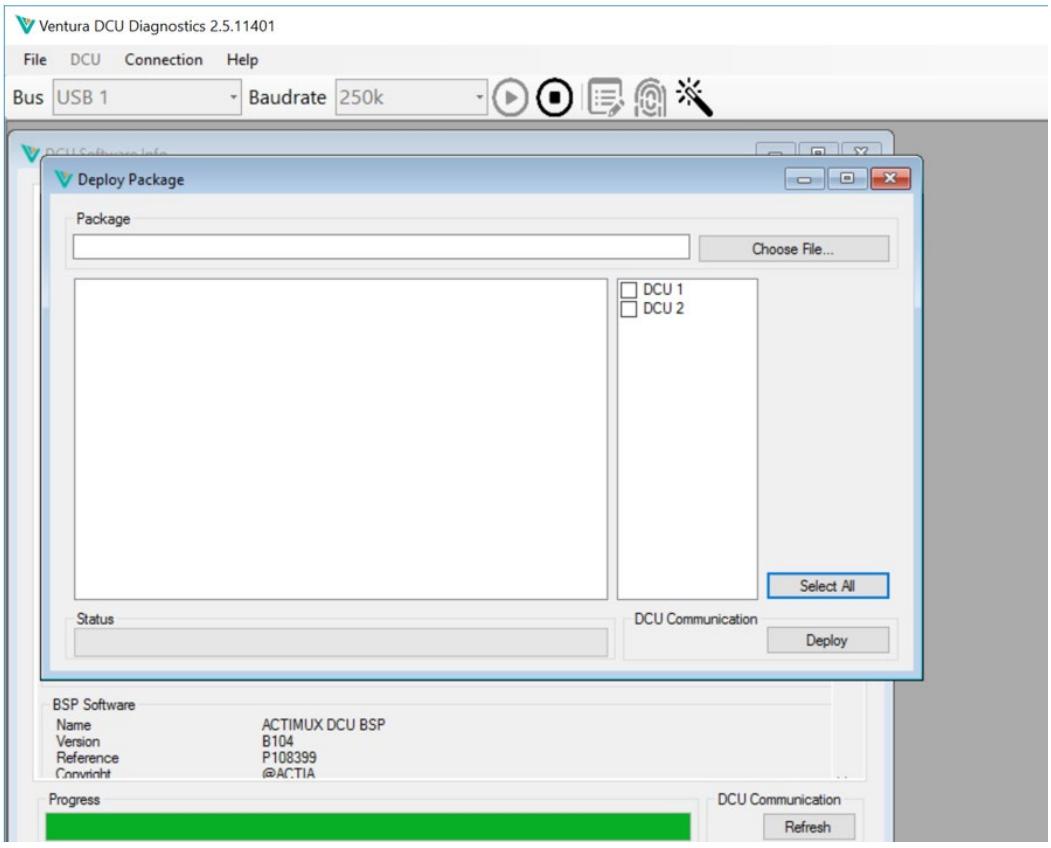
13. The following screen will appear. Click the button shown to load the software for the front door.



14. The following screen will appear.



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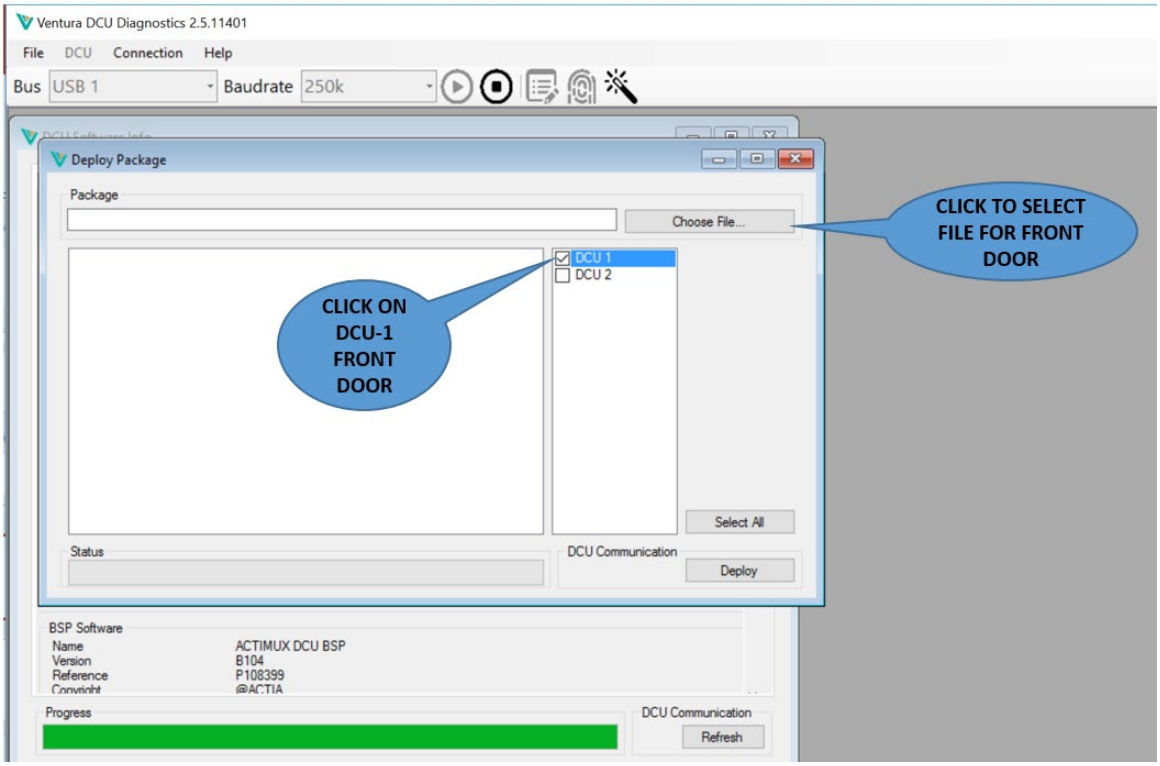
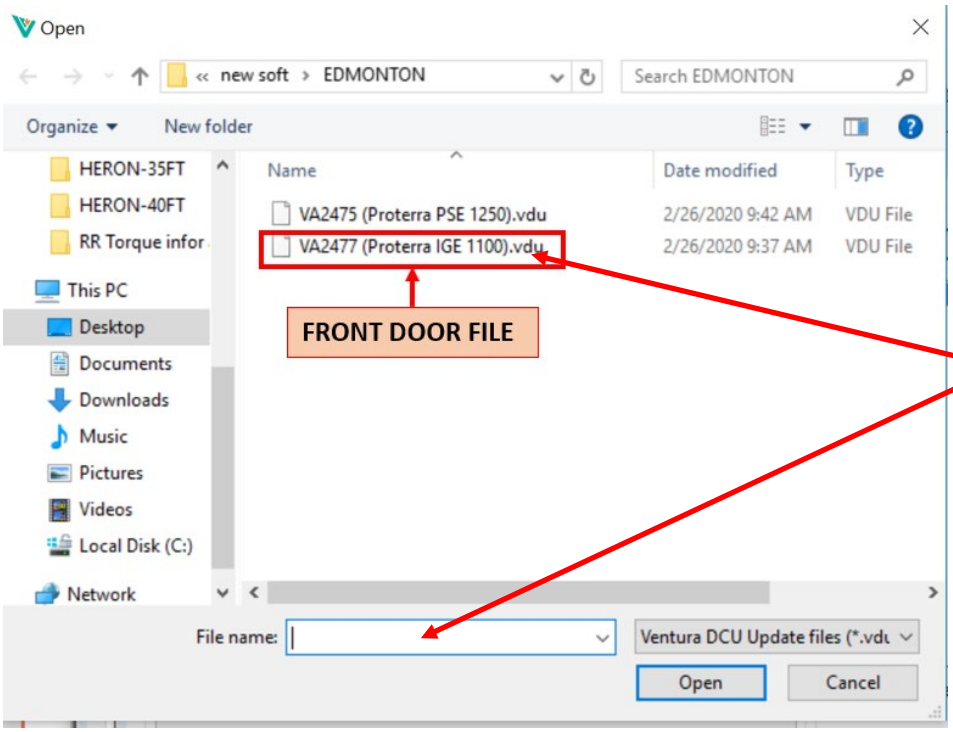
15. Click the check box beside DCU 1. Then click the “Choose File” button to select the front door programming package.



16. The following dialog box will appear. Navigate to the folder where you stored the files that were downloaded for this procedure. Click on the file shown to select it.



Load the File Named VA2477 (Proterra IGE 1100)

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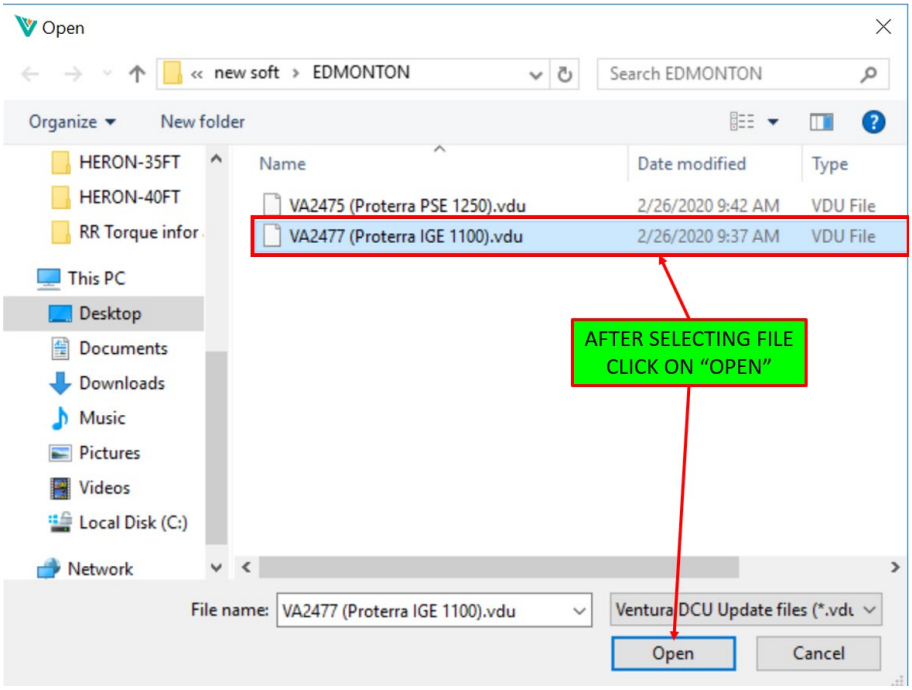
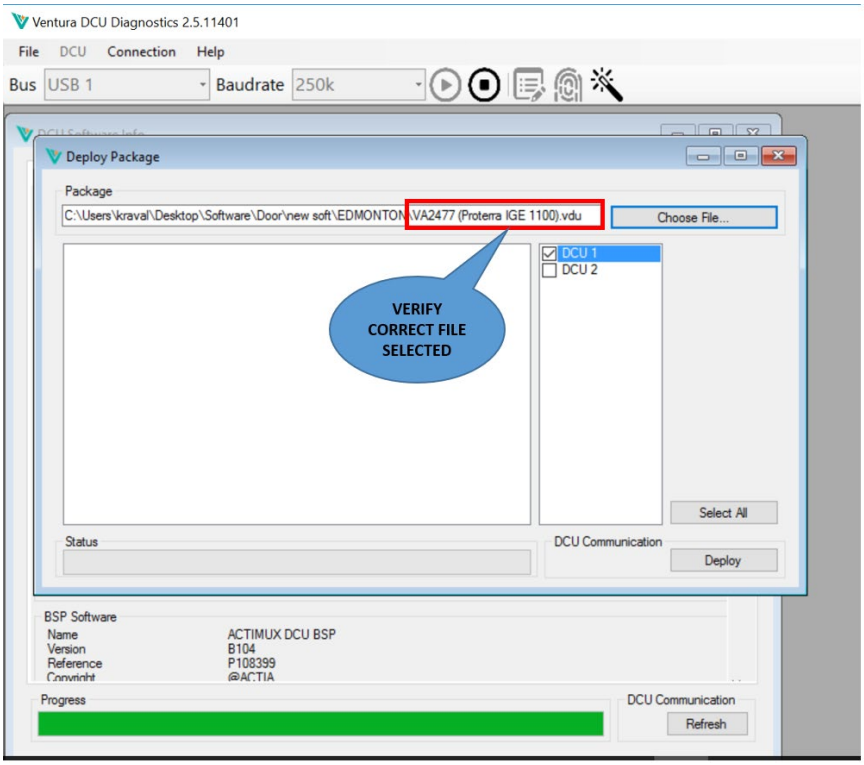
17. Click on the “Open” button after selecting the file.



18. Verify that the correct file is selected. The correct file is VA2477 (Proterra IGE 1100).
Note: This is not the file shown in the illustrations.



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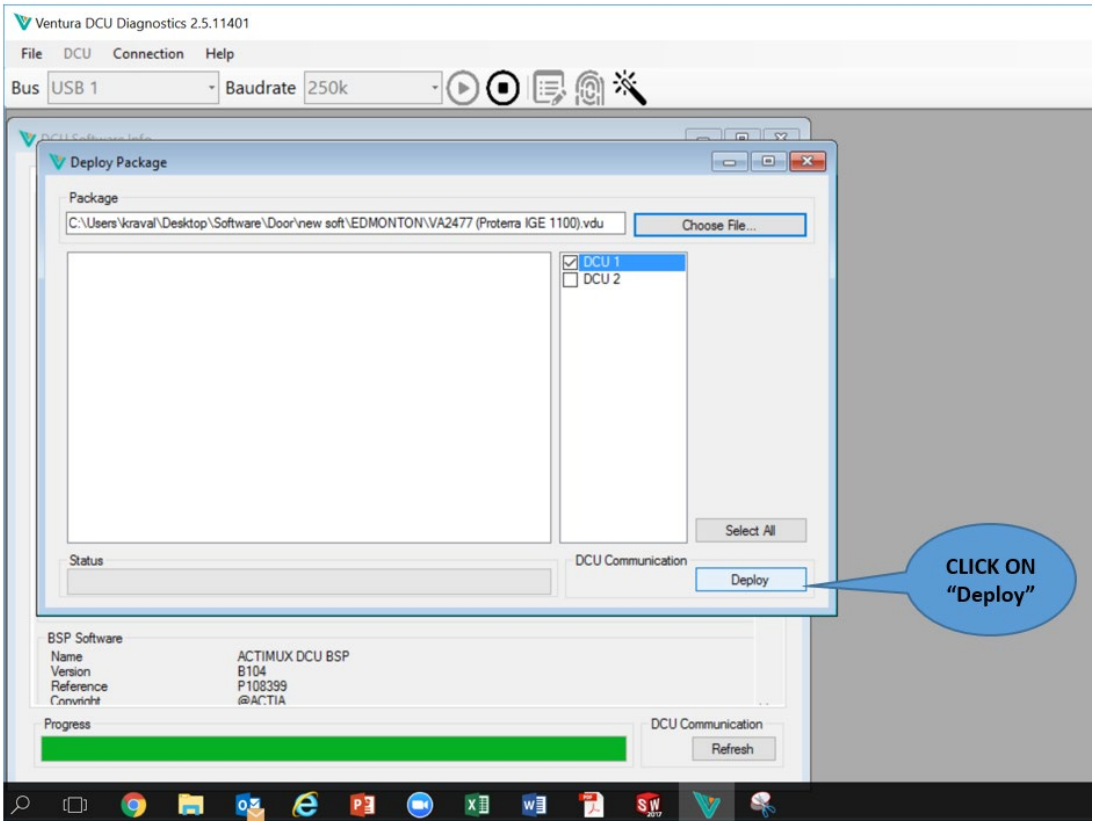
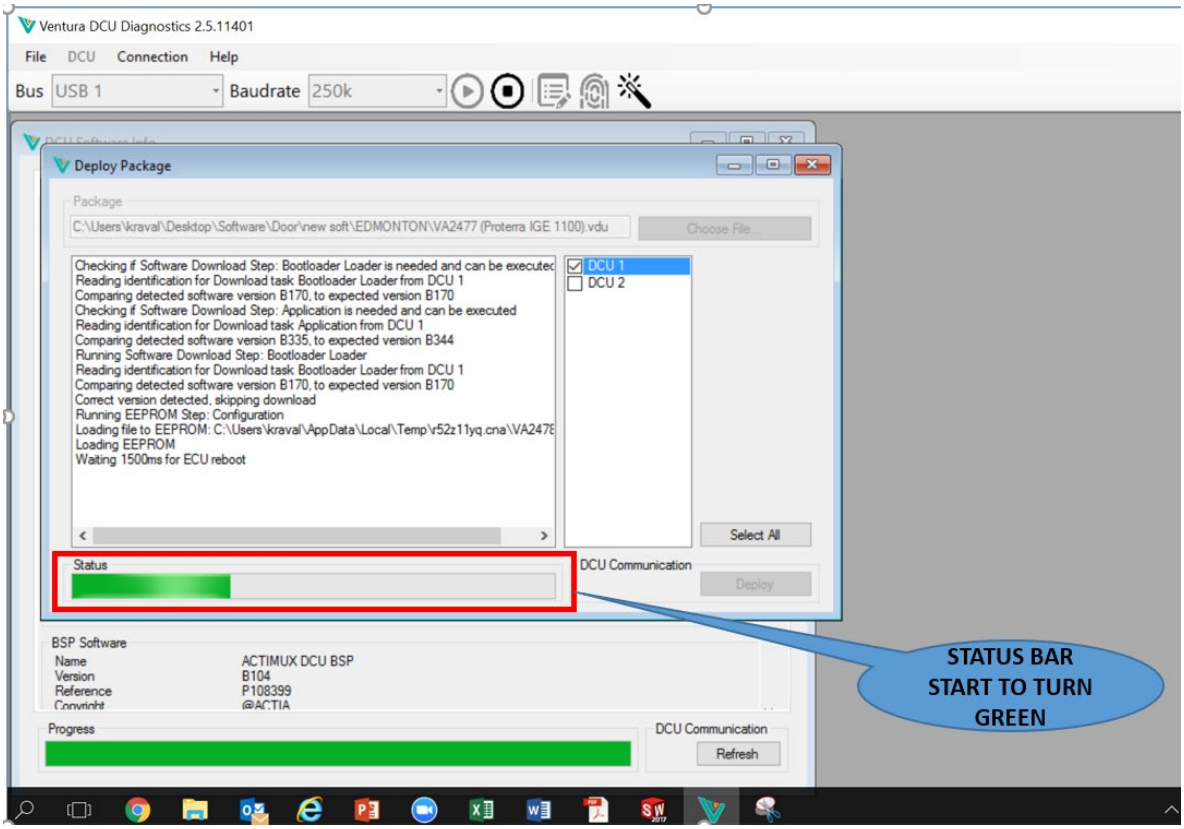
19. Click the “Deploy” button to update the front door controller.



20. Progress will be shown by the green status bar.



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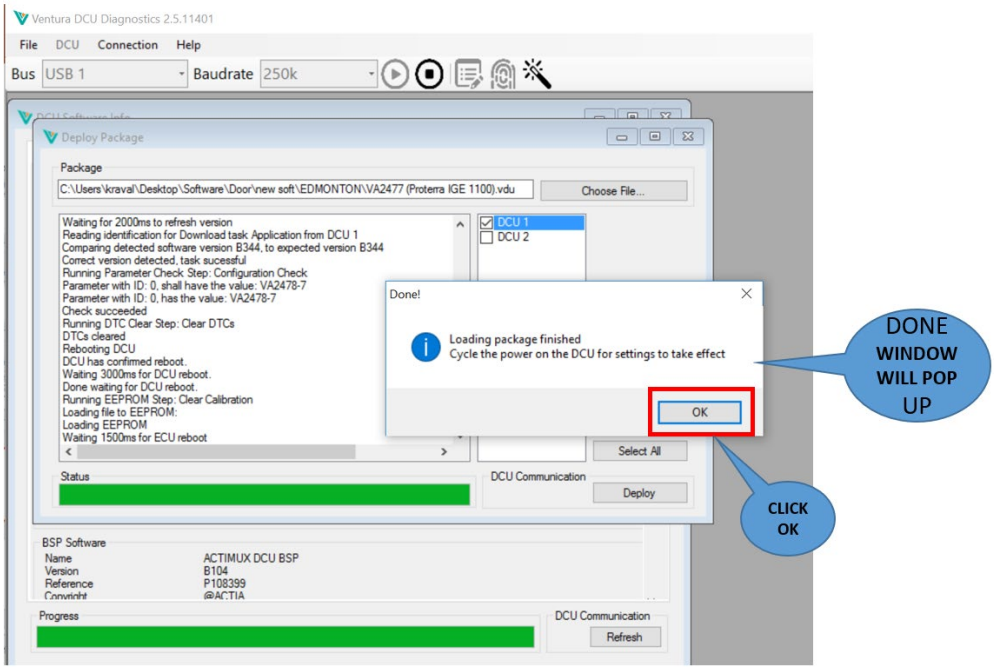
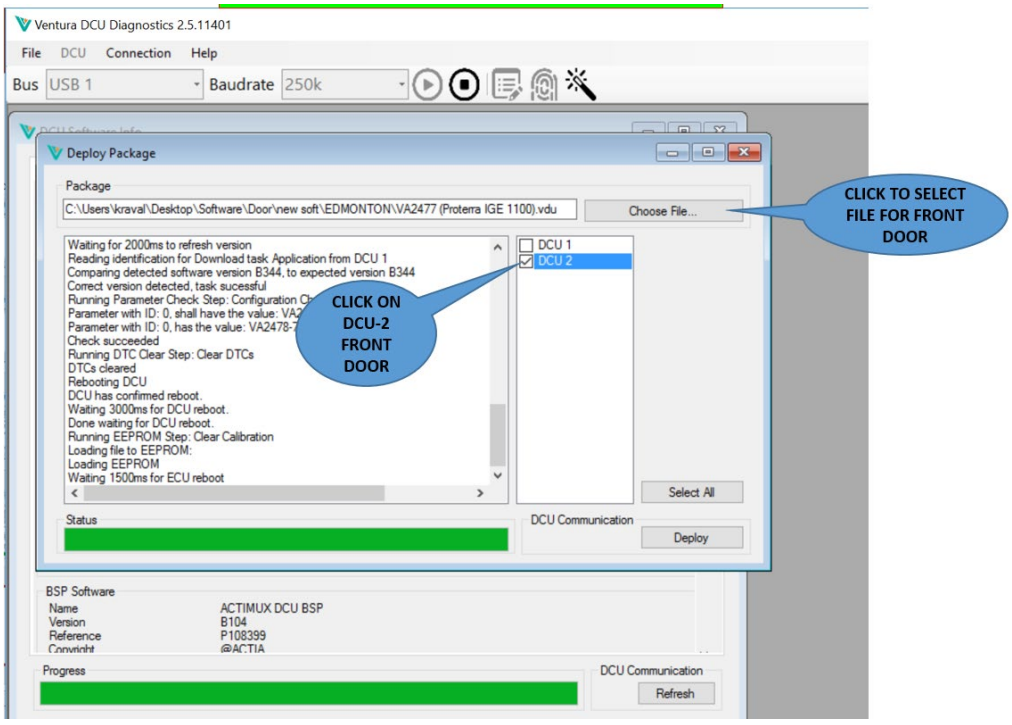
21. When the process is complete the following dialog will appear. Click on “OK” to dismiss the message.



22. The following screen will appear. Click the check box beside “DCU 2” to select the rear door. Then click “Choose File”.



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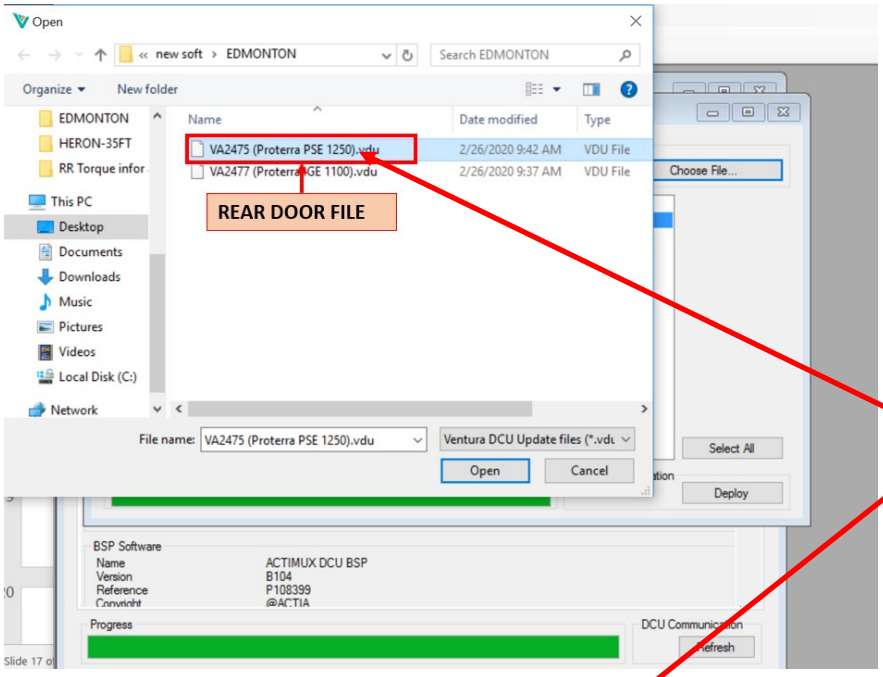
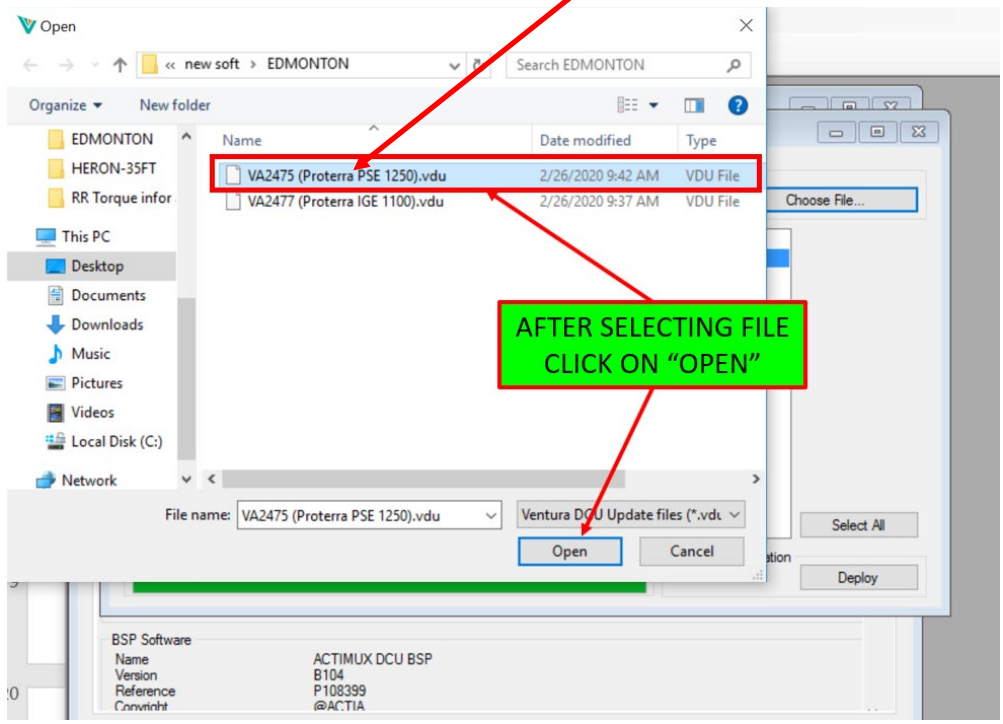
23. Click the file shown to select the rear door file for programming.



Load the File Named VA2475 (Proterra PSE 1250)

24. Once the file is selected, click on the “Open” button.



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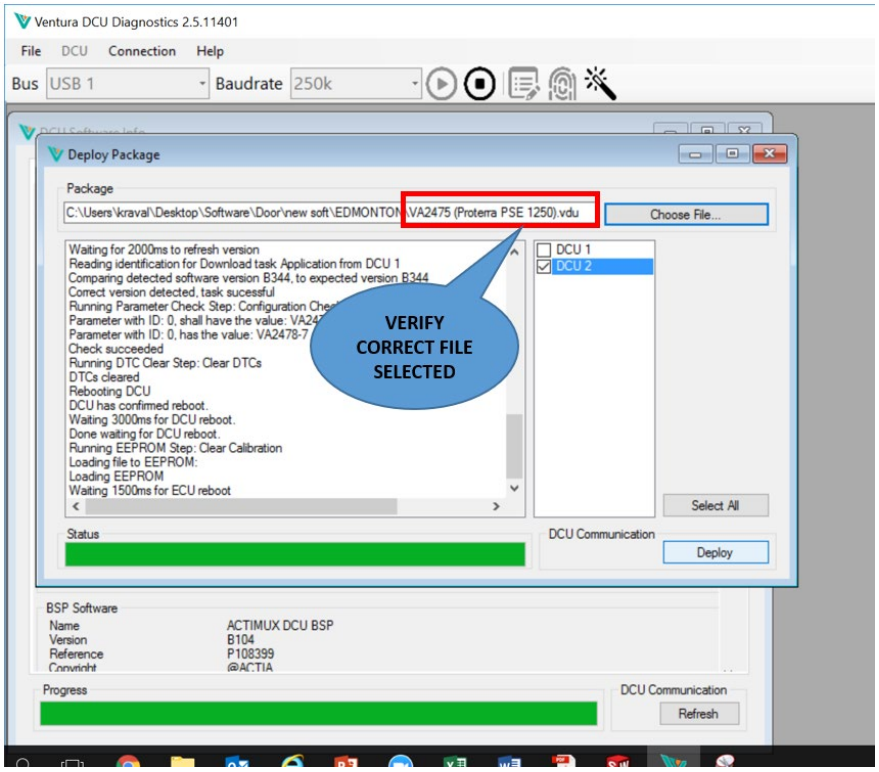
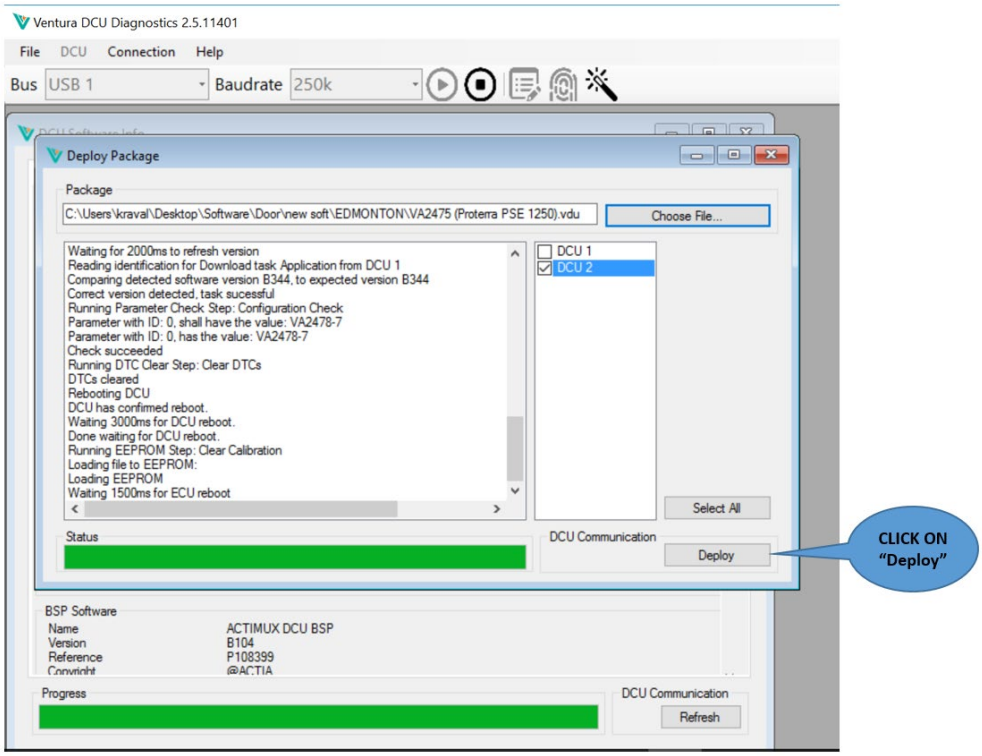
25. Verify that the correct file is selected. The correct file is VA2475 (Proterra PSE 1250).
    Note: This is not the file in the illustrations.



26. Click on the “Deploy” button.



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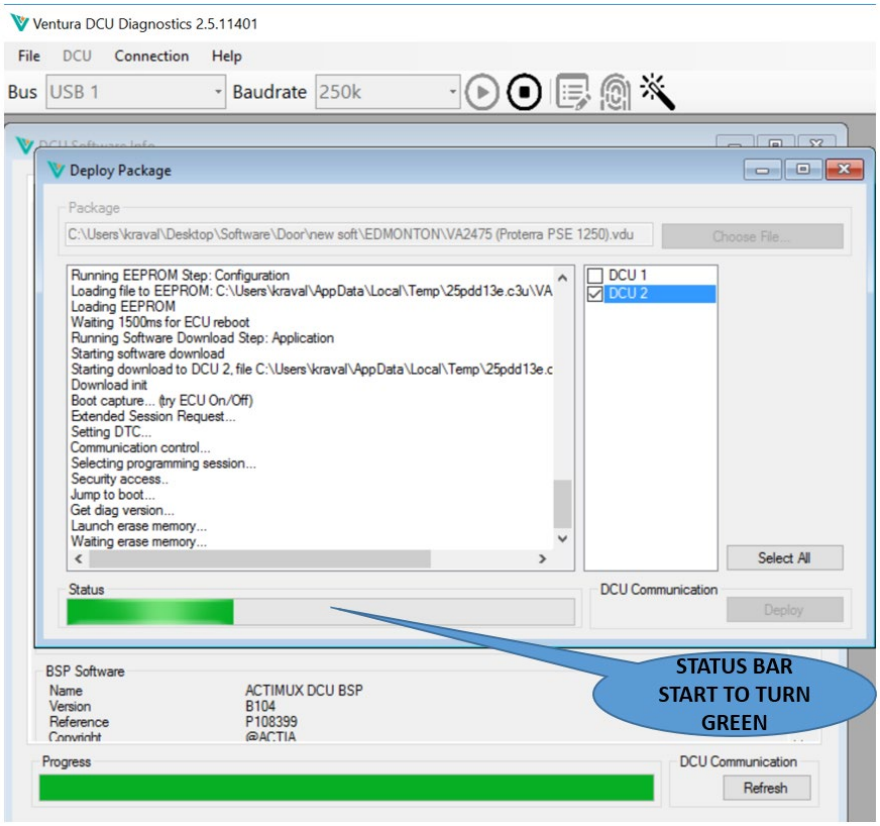
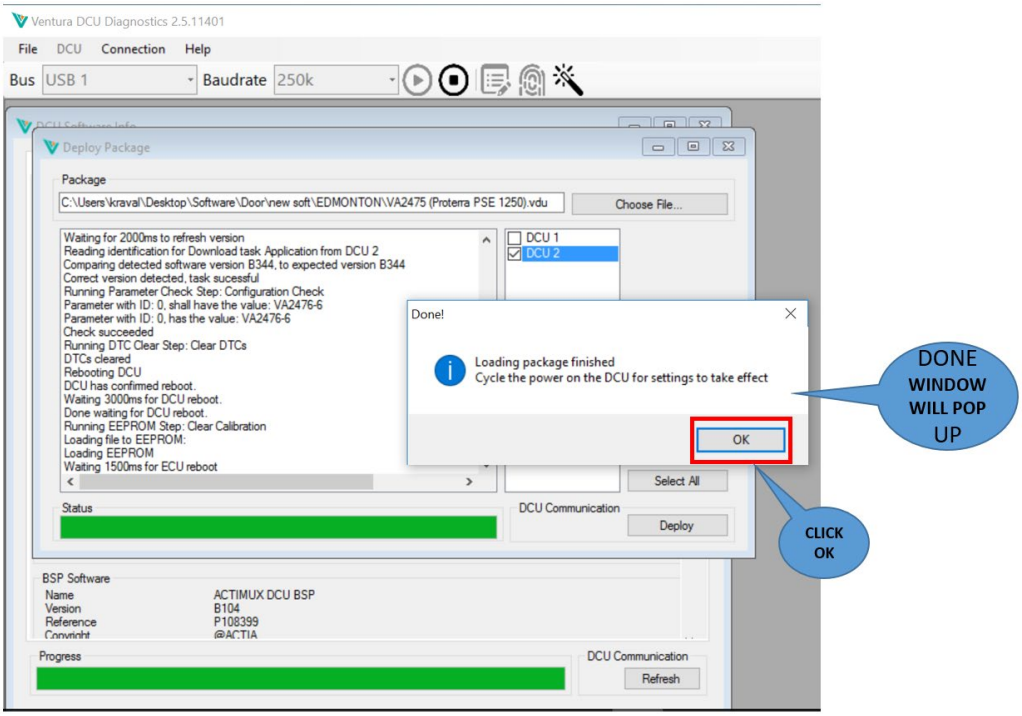
27. The green status bar will show the programming progress.



28. When programming is complete, the following dialog box will appear. Click the “OK” button.



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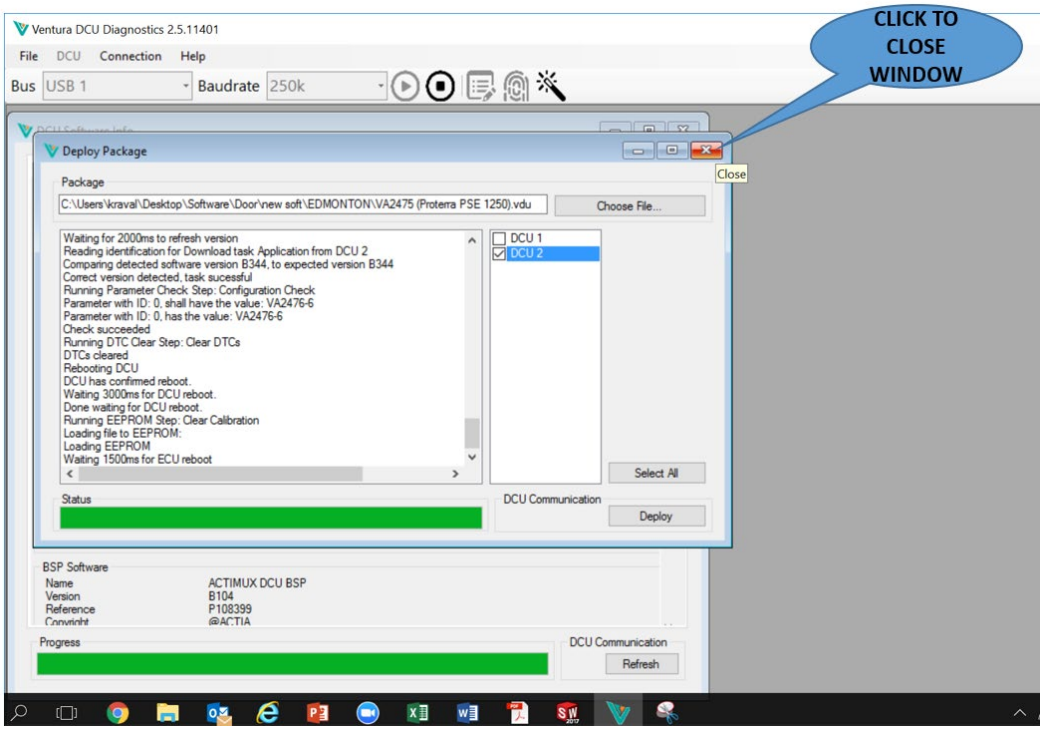
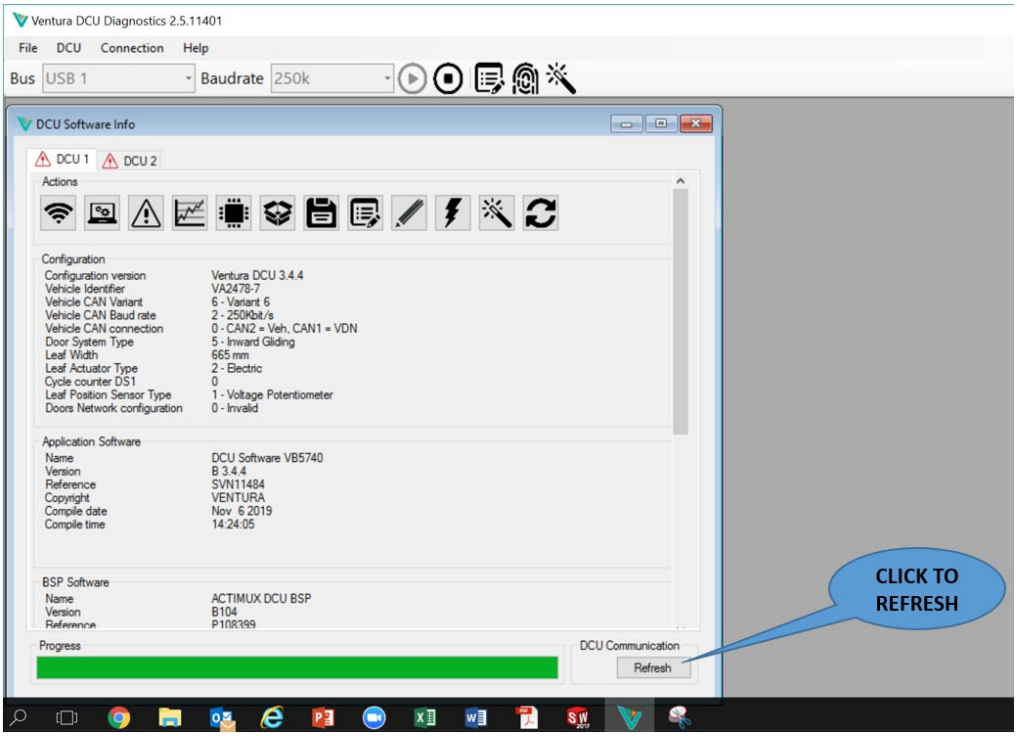
29. Click the Red X to close the window.



30. Click “Refresh” to verify the software for each DCU.



31. Power down the bus and restart it to complete the programming process.

32. Disconnect the laptop and programming cable from the bus.

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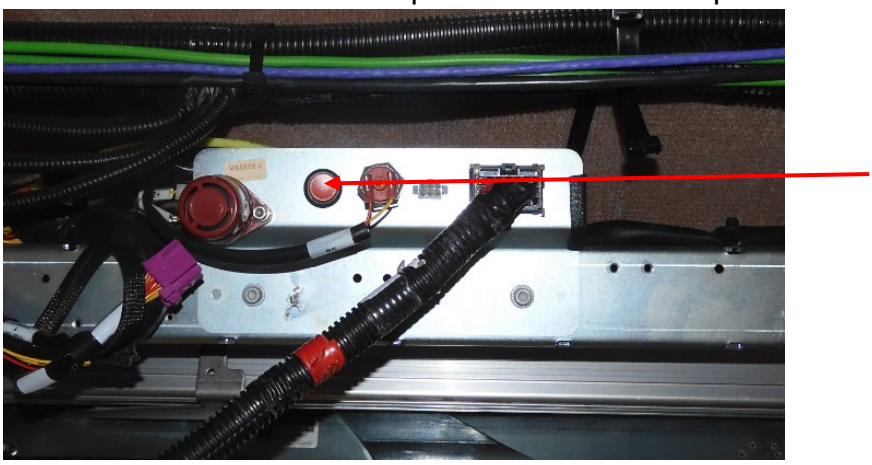
33. Preform a “Door Learn” process on the rear door. This is described in the following steps.

34. Begin with the doors in the open position.

35. Press and release the red button shown in the following photograph. Then press and hold the red button until the door completes the calibration process.



36. While holding the button the door will slowly close. The DCU light will blink green once to indicate that the door has properly detected and stored the closed position.

37. Continue holding the button until the door has fully opened and the DCU has blinked green twice. This indicates that the fully open position has been detected and stored.

38. The door controller will buzz indicated that the “Door Learn” process has successfully completed.

39. Repeat the “Door Learn” process on the Front Door Controller.

40. Using a 3/16-Allen Driver, replace the Hadley Panel.

41. Working at the front door, verify that the door opens and closes smoothly.

42. With the front door open, close it and block it by tripping the sensitive edge on the leading panel of the door. The door should stop and re-open and/or alarm when the sensitive edge is triggered. This may vary based on customer configuration.

43. With the front door open, close it and block it by tripping the sensitive edge on the lagging panel of the door. The door should stop and re-open and/or alarm when the sensitive edge is triggered. This may vary based on customer configuration.

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44. Working at the rear door, verify that the door opens and closes smoothly.

45. With the rear door open, close it and block it by tripping the sensitive edge on the leading panel of the door. The door should stop and re-open and/or alarm when the sensitive edge is triggered. This may vary based on customer configuration.

46. With the rear door open, close it and block it by tripping the sensitive edge on the lagging panel of the door. The door should stop and re-open and/or alarm when the sensitive edge is triggered. This may vary based on customer configuration.

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