

Dealer Service Bulletin # DSB165

Replacement of Old EM Brake (2-Plug) with New EM Brake (Single-Plug Configuration) Mustang Pro

Purpose: This bulletin provides step-by-step instructions to safely disconnect the **old EM brake** wiring and install the **new EM brake** using the updated single-connector setup. Follow the steps exactly as outlined to avoid electrical faults.

Identification:

Old EM Brake

- EM brake assembly with **two wiring plugs** located at the brake.
- Two corresponding loose/vacant connectors within the controller wiring loom.

New EM Brake

- EM brake assembly with **one wiring plug only**.

Tools & Materials Required:

- Electrical tape (quality insulation tape)
- Basic hand tools for access (as required)

Procedure:

1. Locate the Old EM Brake

- Identify the old EM brake mounted on the motor/brake assembly.
- Confirm it has **two wiring plugs** coming from the brake.



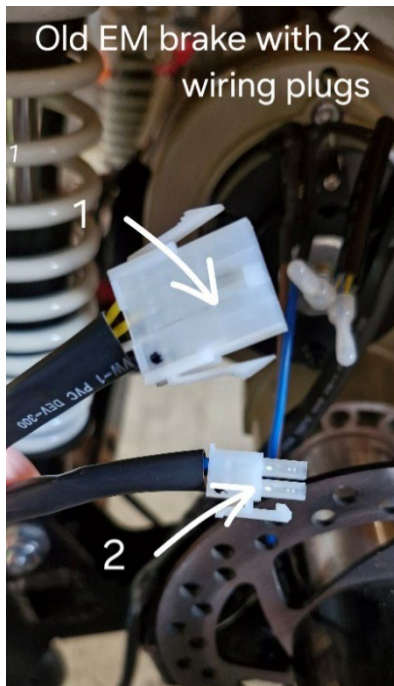
2. Identify the Two Old EM Brake Plugs

- Trace both EM brake plugs back into the wiring loom.

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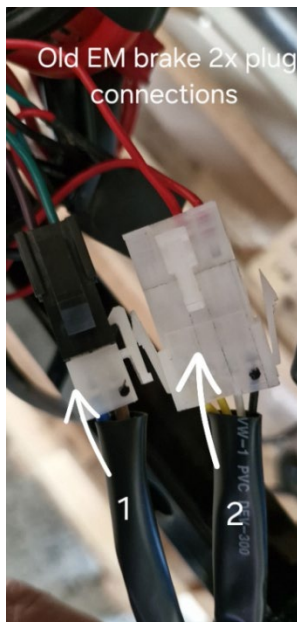
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- These plugs are labeled in the images as **Plug 1** and **Plug 2**.



3. Disconnect Old EM Brake Plugs

- Unplug **both connectors** associated with the old EM brake.
- Do **not** remove wiring from the loom; only unplug connectors.



4. Insulate Old EM Brake Connections

- Use electrical tape to **fully cover both disconnected EM brake connectors**.
- Ensure no metal contacts are exposed.

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- Repeat until both old EM brake plugs are completely insulated.



5. Disconnect EM Brake Connector at Controller

- At the motor controller, locate the **EM brake connector** indicated in the reference images.
- Unplug this connector from the controller.



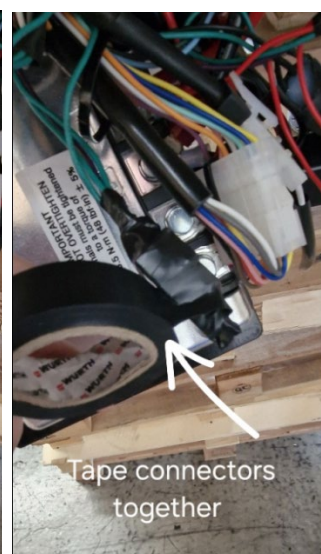
6. Tape Controller-Side Connectors Together

- Tape together:
 - The connector unplugged from the controller **AND**
 - The vacant matching connector from the loom

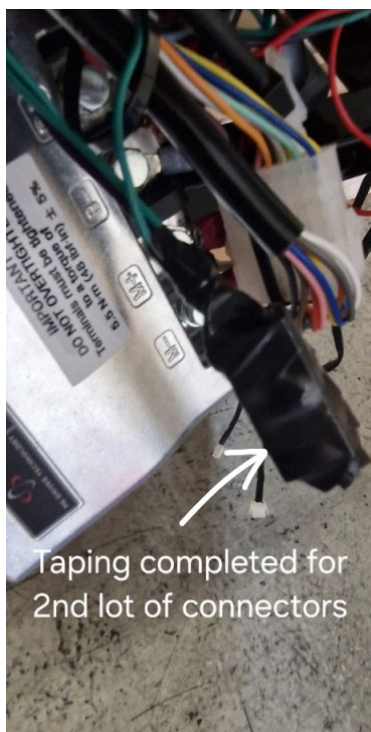
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- Ensure the taped bundle is secure and fully insulated.



7. Taping completed for the second lot of connectors

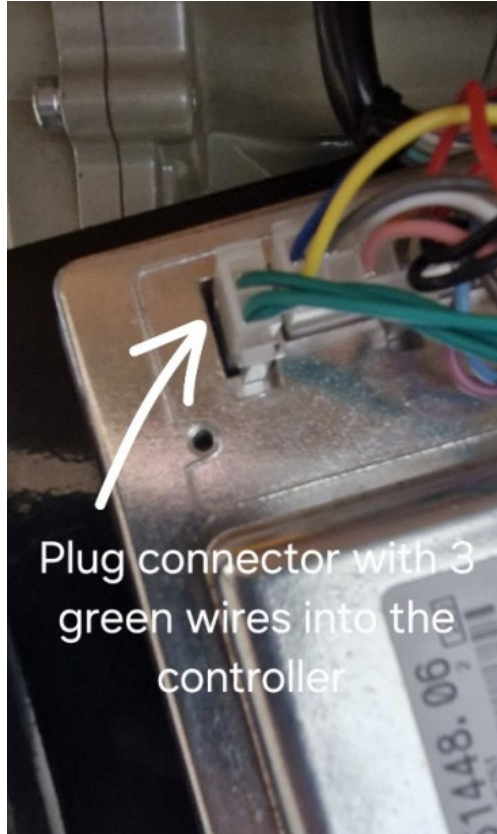
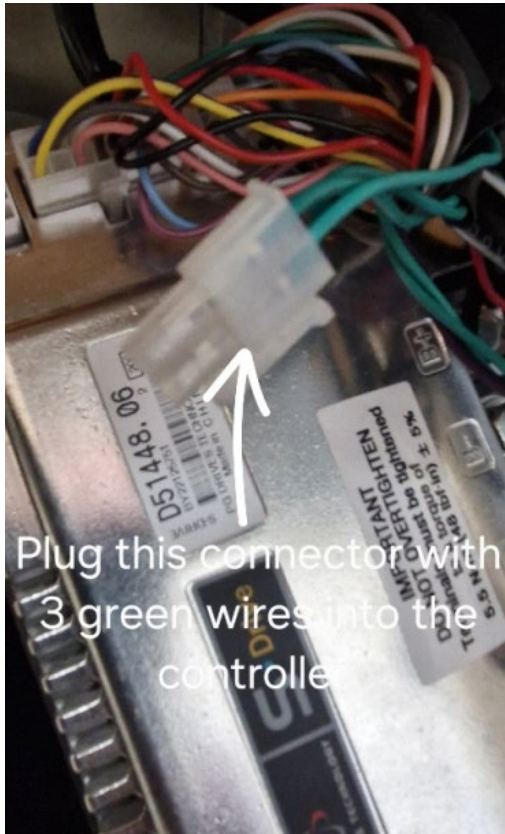


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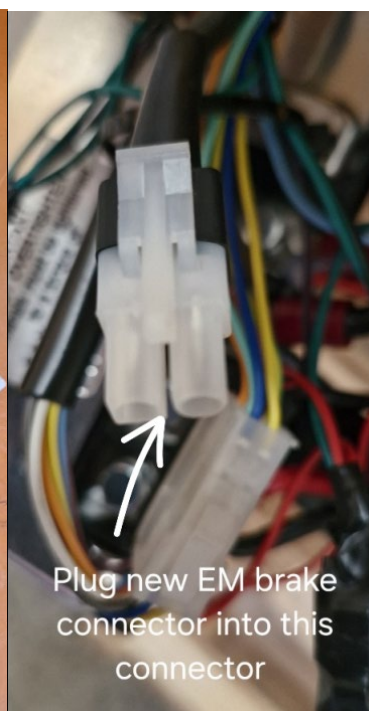
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8. Connect the New EM Brake

- Identify the **single connector** on the new EM brake (with **three green wires**).



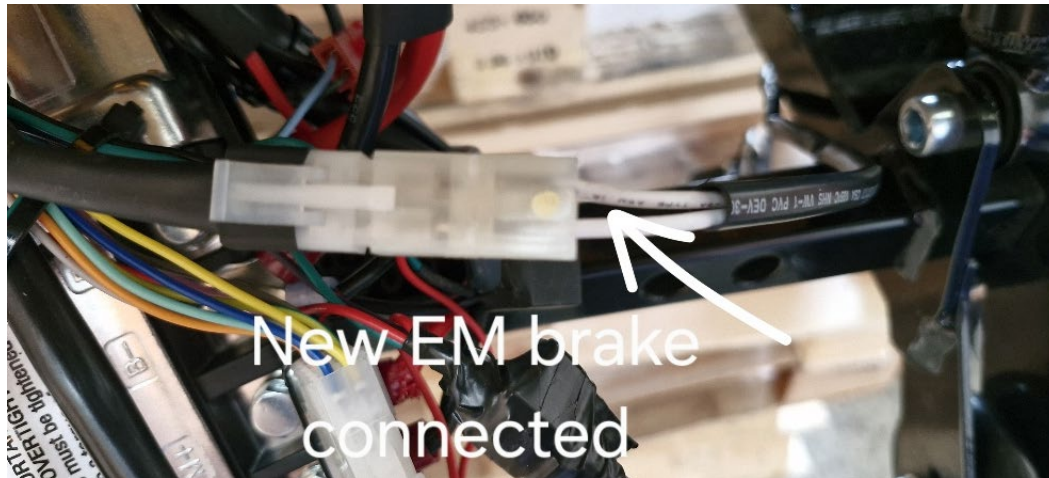
- Plug this connector directly into the controller port shown in the reference images.



- Ensure it is fully seated and locked.

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Completion

- Installation is complete when the new EM brake is securely connected and all unused legacy connections are installed.

Notes

- Do **not** leave unused connectors unplugged without insulation.
- Do **not** connect the new EM brake to any of the old dual-plug wiring.