

Instructions for replacing the Electronic Unit Controller



Make sure the power is de-energized before working on the electronic unit controller, failure to do so could result in injury or death!

Silver electrical box applications:

1. Remove the electrical box cover.
2. Remove the electronic unit controller assembly and rotate it up 90°. The assembly should now slide and clip onto the top of the electrical box, leaving the wiring harnesses exposed. Disconnect the three harnesses from the electronic unit controller.
3. Bend the metal tabs on either side of the electronic unit controller outward and remove the existing electronic unit controller.



4. Verify that the replacement electronic unit controller and the existing one are the same part number. For example, part number: 543-0133-00.

Special Note: If a -00 controller is replaced with a -01 controller please reference *Replacing -00 EUC controller with -01 controller* on the back of this page.*

5. Bend the metal tabs on either side of the empty slot inward prior to installing the replacement controller.
6. Slide the replacement electronic unit controller in through the slot, making sure the controller wiring diagram is pointing away from the operator.
7. Connect the wiring harnesses to the electronic unit controller, taking care to ensure the part number on the blue harness is facing towards the operator.
8. Unclip the electronic unit controller assembly from the electrical box, sliding it back into its original position.
9. Replace the electrical box cover.

Small black electrical box applications:

1. Remove the electrical box cover.
2. Bend the metal tabs on either side of the electronic unit controller outward and pull the existing electronic unit controller approximately halfway out.
3. Disconnect the three wiring harnesses from the existing electronic unit controller.
4. Finish removing the existing electronic unit controller from the assembly.
5. Verify that the replacement electronic unit controller and the existing one are the same part number. For example, part number: 543-0133-00.

Special Note: If a -00 controller is replaced with a -01 controller please reference *Replacing -00 EUC controller with -01 controller* on the back of this page.*



6. Bend the metal tabs on either side of the empty slot inward prior to installing the replacement controller.
7. Slide the replacement electronic unit controller in through the slot, ensuring the label faces away from you. Only push the replacement electronic unit controller halfway in.
8. Connect the wiring harnesses to the replacement electronic unit controller, taking care to ensure the controller wiring diagram is pointing away from the operator.
9. Finish pushing the electronic unit controller in.
10. Replace the electrical box cover.



Large black electrical box applications:

1. Remove the electrical box cover.
2. Disconnect the three wiring harnesses from the electronic unit controller.
3. Depress the center of the white plastic connectors and pull them straight out.
4. Remove existing electronic unit controller.
5. Verify that the replacement electronic unit controller and the existing one are the same part number. For example, part number: 543-0133-00.

Special Note: If a -00 controller is replaced with a -01 controller please reference *Replacing -00 EUC controller with -01 controller* on this page.*








6. Slide the replacement electronic unit controller in through the slot, ensuring the controller wiring diagram faces up.
7. Connect the wiring harnesses to the electronic unit controller, taking care to ensure the part label on the blue wiring harness is facing down.
8. Replace the electrical box cover.



Programming the replacement electronic unit controller.

Follow the attached programming instruction label (052-7272-00) once power is re-energized to the unit for proper 'default factory for replacement controller' settings.

Use the following steps to complete the programming of the replacement controller to match the factory default settings.

1. Hold down the  + **SET** keys for three seconds until the PSI LED begins to blink.
2. Release the keys. Push the  + **SET** keys for seven seconds, until the screen flashes Pr-2.
3. Use the   keys to select the required parameter.
4. Press **SET** to display its value.
5. Compare displayed values of parameters to those on the label and use the   keys to change its value if required.
6. Press **SET** to store the new value.
7. Repeat steps three through six as needed to complete the process.
8. Hold  + **SET** to exit the menu.

* Replacing -00 EUC controller with -01 controller

1. Check to see if there is a blue wire in the jumper cable.
 - If the blue wire is present continue with the replacement with the -01 control.
 - If there is no blue wire, use the cable supplied with this kit and continue replacement with the -01 control.
2. The cable includes a DLT sensor. If the DLT sensor is not required, ty-wrap to existing cabling.

If the above is not done, a replacement -01 controller will not run, it will flash an HP error.

For more information visit EmersonClimate.com/electronicunitcontroller or call 1-888-367-9950

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