

REPAIR PART INSTALLATION INSTRUCTIONS

ELECTRIC HEAT HARNESS KIT NUMBER 373-25771-000

APPLICATION

This kit may be used to repair the 4-pin connector on all electric heat kit harnesses used with air handler control boards 031-01238-000, 031-01260-000, 031-01264-001 and 031-01264-002. This includes all 2HK* electric heat kits.

CONTENTS

- 4-wire harness (025-37489-000)
- Wire connectors (025-08946-000)
- Installation instructions (035-18844-000)

INSTALLATION

1. Disconnect power from unit.
2. Inspect air handler electric heat kit harness for melted insulation or damage.
3. If electric heat kit harness wires are melted or damaged so that the repair kit harness wire length is insufficient, use field-supplied wire and terminals as necessary. Use wire of equivalent gauge, insulation, and temperature rating.
4. Remove 4-pin connector from air handler control board.
5. Cut 4 wires going into 4-pin connector.
6. Strip ½" of insulation from each of the four wires.
7. Connect the purple 16 AWG wire of the electric heat kit harness to the purple 16 AWG wire of the new 4-pin connector harness using the provided wire connector or equivalent.
8. Verify that the wires are securely connected in the connector.
9. Connect the yellow 12 AWG wire of the electric heat kit harness to the yellow 12 AWG wire of the new 4-pin connector harness using the provided wire connector or equivalent.
10. Verify that the wires are securely connected in the connector.
11. Connect the black 14 AWG wire of the electric heat kit harness to the black 14 AWG wire of the new 4-pin connector harness using the provided wire connector equivalent.
12. Verify that the wires are securely connected in the connector.
13. Connect the remaining black 14 AWG wire of the electric heat kit harness to the remaining black 14 AWG wire of the new 4-pin connector harness using the provided wire connector or equivalent.
14. Verify that the wires are securely connected in the connector.
15. If the air handler electric heat kit harness did not have four wires connected to the air handler control board, individually insulate the unused wires of the new 4-pin connector harness using the provided connectors or equivalent and electrical tape.
16. Visually inspect the housing and pins of the 4-pin connector on the air handler control board for signs of excessive heat or arcing. Examples of excessive heat or arcing are discoloration of the connector housing, discoloration of the connector pins, a pitted or rough surface on the connector pins, etc. Replace control board as necessary.
17. Connect the new 4-pin harness connector to the air handler control.
18. Connect power to the unit.
19. Verify proper operation.