INSTALLATION INSTRUCTIONS
COLEMAN ADAPTOR
USE FOR ACM135 and ACM150 UNITS

This kit is designed to replace the Coleman upper unit only. It will utilize the installed Coleman control system. This kit is designed to work with common Coleman models, but should not be considered universal.

NOTE: Disconnect coach 115VAC or turn off A/C circuit breaker prior to proceeding. Remove 12V fuse or disconnect 12VDC power at thermostat to prevent short.

This kit contains the following: (1) Wire harness adaptor
(4) Templates / mounting hole guides (1 sheet)

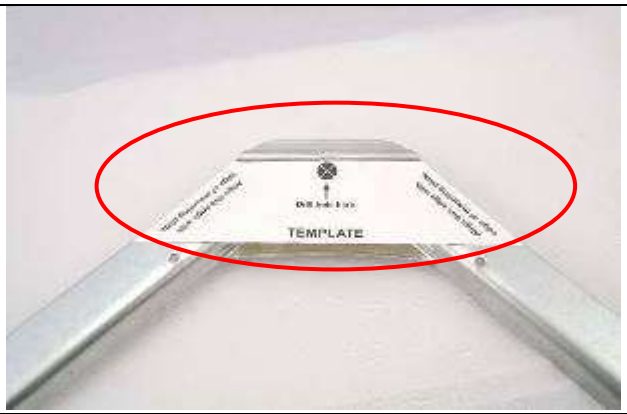
NOTE: Save all parts during removal for use in reinstallation.

- Remove ceiling assembly cover (4 screws).
- Remove supply air duct cover (7 screws) and fiber divider.
- If unit has optional electric heat strip, unplug the 3-terminal connector for the control box and remove the heat strip from the unit (may require allen wrench for removal).
- Remove the 9-pin connector from the control box.
- Remove the two wing nuts and lower the control box assembly.
- Mark the ceiling assembly location before removing the four bolts holding the ceiling assembly to the upper unit.
- Coleman upper unit should be removed at this time

NOTE: Prior to raising the Advent upper unit to the roof, the outer shroud and evaporator cover must be removed. Modifications are required to the evaporator cover to install the Coleman control box.

- With the evaporator cover removed, mark a rectangle 7 1/2" W x 3 ½" H in the front of the evaporator cover. The center of this rectangle should be 4" up from the bottom edge and 9 3/4" in from the right edge of the evaporator cover. Using a utility knife, carefully cut out this rectangle. (see above left) The control box will be through mounted in this opening. (see above right)
- There will be a 1/2" gap to route wiring through to make all necessary connections to the control box.
- DO NOT Reinstall the evaporator cover at this point. Wiring and taping will be required once the unit is on the roof and bolted through the ceiling assembly
- The Advent upper unit is now ready for installation on the roof. Be sure that the Outer Shroud and Evaporator Cover are both still not installed on the upper unit during this step.

NOTE: The next step requires the use of the templates / mounting hole guides (see above).



- Align the templates with the edges of the ceiling assembly.
- Using the center of the template, drill a pilot hole of 1/8" or smaller.
- Using the pilot hole, enlarge the mounting hole to 9/32" for use with the existing bolts. (see above)
- Align the upper unit, ensuring that all mounting anchors are exposed inside the 14 ¼" x 14 ¼" ceiling opening.
- Mount the ceiling assembly using the four existing mounting bolts, securing the unit.

NOTE: Do not over tighten the mounting bolts. Gaskets should not be compressed beyond 50%.

- Install the control kit through the hole in the evaporator cover with the ACCOLKIT wiring adapter resting on the control boxes face. (see above left)
- Install freeze control probe into evaporator coil between the 2nd and 3rd row from the bottom, centered in the coil.
- If unit has optional electric heat strip, fasten the heater kit to the lip of the based pan, securing with an allen wrench. Plug the 3-terminal connector to the control box.
- Using the wire harness adaptor provided, connect to the upper unit and connect to the 9-pin connector on the relay kit. (see above)
- Once all wiring connections have been made to the control box, go on the inside of the Evaporator Cover and cover the back of the control box as well as the 1/2" gap with tape. Once it is completely sealed off, it is time to re-install the Evaporator Cover.
- The Advent Upper Unit Shroud can now be re-installed.

NOTE: Make certain that connectors are properly locked in place.

- Insert the fiber divider, ensuring proper seal between the supply and return air.
- Replace the supply air duct cover with the 7 screws.
- Restore both 115VAC and 12VDC.
- Test unit for proper operation and air flow.
- Reinstall ceiling assembly cover.

NOTE: Coleman ceiling assembly covers and assemblies may vary.

INSTALLATION INSTRUCTIONS

COLEMAN ADAPTOR

USE FOR AC135 AND AC150 UNITS

This kit is designed to replace the Coleman upper unit only. It will utilize the installed Coleman control system. This kit is designed to work with common Coleman models, but should not be considered universal.

NOTE: Disconnect coach 115VAC or turn off A/C circuit breaker prior to proceeding. Remove 12V fuse or disconnect 12VDC power at thermostat to prevent short.

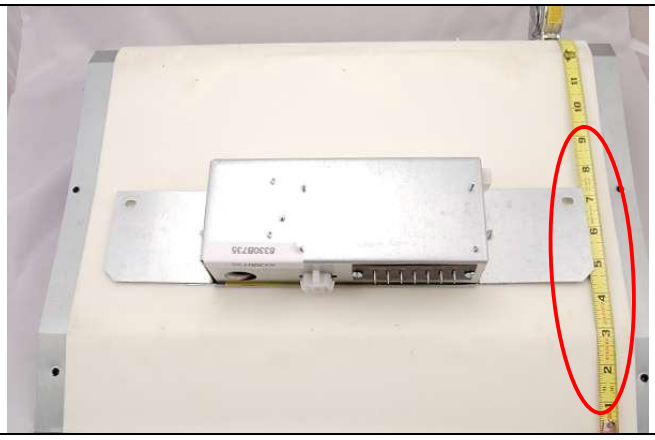
This kit contains the following:

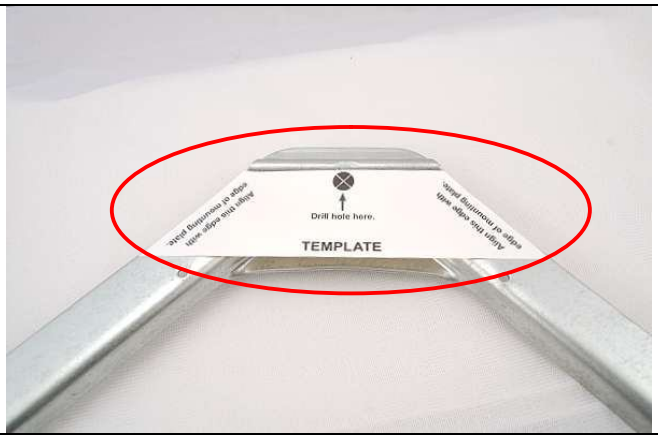
(1) Wire harness adaptor
(4) Templates / mounting hole guides (1 sheet)
(2) 10-24 x 1" pan head machine screws
(2) 10-24 kep nuts
(2) 10-24 wing nuts

NOTE: Save all parts during removal for use in reinstallation.

- Remove ceiling assembly cover (4 screws).
- Remove supply air duct cover (7 screws) and fiber divider.
- If unit has optional electric heat strip, unplug the 3-terminal connector for the control box and remove the heat strip from the unit (may require allen wrench for removal).
- Remove the 9-pin connector from the control box.
- Remove the two wing nuts and lower the control box assembly.
- Mark the ceiling assembly location before removing the four bolts holding the ceiling assembly to the upper unit.
- Coleman upper unit should be removed at this time

NOTE: Prior to raising the Advent upper unit to the roof, the outer shroud and evaporator cover must be removed, and the mounting hardware installed for the Coleman control box.



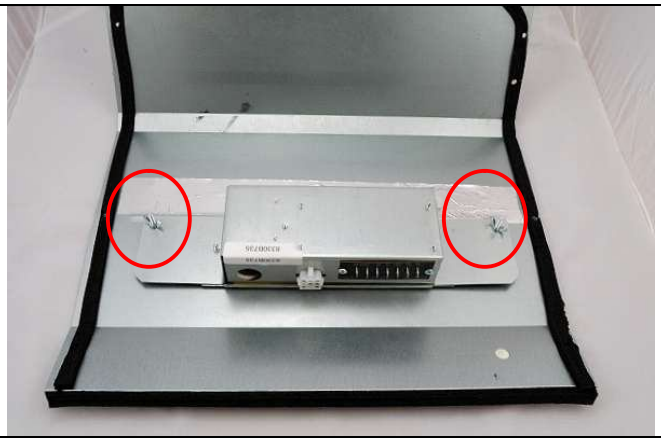


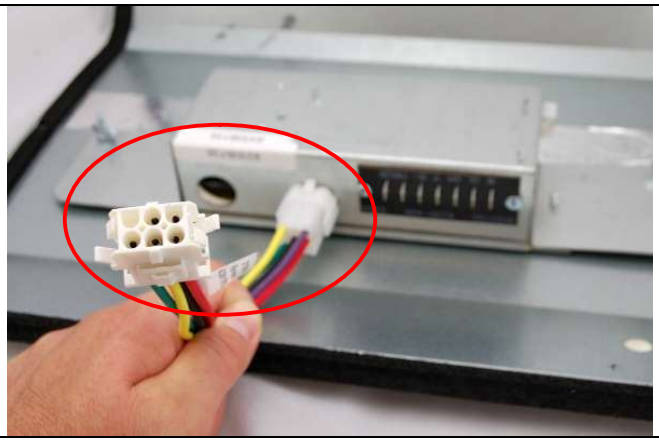
- With the evaporator cover removed, mark a line 6 7/8" from bottom front of cover across the insulation. Two 3/16" holes will need drilled in the cover that should be 13 3/8" apart and approximately centered on the cover. (see above)
- Insert the two pan head machine screws from the outside and tighten the two kep nuts to secure into place.
- Reinstall the evaporator cover and outer shroud onto the Advent upper unit.
- The Advent upper unit is now ready for installation on the roof.

NOTE: The next step requires the use of the templates / mounting hole guides (see above).

- Align the templates with the edges of the ceiling assembly.
- Using the center of the template, drill a pilot hole of 1/8” or smaller.
- Using the pilot hole, enlarge the mounting hole to 9/32” for use with the existing bolts. (see above)
- Align the upper unit, ensuring that all mounting anchors are exposed inside the 14 ¼“ x 14 ¼“ ceiling opening.
- Mount the ceiling assembly using the four existing mounting bolts, securing the unit.

NOTE: Do not over tighten the mounting bolts. Gaskets should not be compressed beyond 50%.





- Install the control kit to the evaporator cover using the two wing nuts. (see above)
- Install freeze control probe into evaporator coil between the 2nd and 3rd row from the bottom, centered in the coil.
- If unit has optional electric heat strip, fasten the heater kit to the lip of the based pan, securing with an allen wrench. Plug the 3-terminal connector to the control box.
- Using the wire harness adaptor provided, connect to the upper unit and connect to the 9-pin connector on the relay kit. (see above)

NOTE: Make certain that connectors are properly locked in place.

- Insert the fiber divider, ensuring proper seal between the supply and return air.
- Replace the supply air duct cover with the 7 screws.
- Restore both 115VAC and 12VDC.
- Test unit for proper operation and air flow.
- Reinstall ceiling assembly cover.

NOTE: Coleman ceiling assembly covers and assemblies may vary.