



**INSTALLATION INSTRUCTIONS
FOR
P.C. BOARD REPLACEMENT KIT
6536C3209**

6536 MODEL HEAT PUMPS

**RV Products
A Division of Airxcel, Inc.
P.O. Box 4020
Wichita, KS 67204**

The 6536C3209 p.c. board takes place of the 6535-320, 6535A320 and 6535B320 p.c. boards. Most wire connections are on different places on the new board, and some wires will be discarded while others will be added.

Please review which p.c. board you are removing and mark the wires accordingly.

Enclosed with the kit are wires you will need (though you may not use all of them) and instructions for the changeouts. There are also pictures of the p.c. boards to help with the wiring changes and a wiring diagram of the finished product.

If you have any questions, feel free to contact us at 316-832-4357 Monday through Friday, 8 am to 5 pm Central Time.

The Green LED indicator flash codes:

- - - - System Normal
- — — — Delay on Break Timer Running
- --- --- ID Freeze Temp. Out of Range
- ---- ---- AC1 Line Voltage Out of Range

Red LED = Is ON if AC2 voltage is in Range and Stage 2 is calling.

**Instructions For Changing From
P.C. Board 6535-320, 6535A320 Or 6535B320
To Kit 6536C3209**

If You Have Board 6535-320, 6535A320 Or 6535B320	Changes To	New Board Number 6535C3201
T3B	Add New 12" x 18 Gauge Blue Wire	Comp 2 Coil Blue
T10	Add New 12" x 18 Gauge Orange Wire	Comp 2 Coil Orange
T3A	Add New 12" x 18 Gauge Blue Wire	Comp 1 Coil Blue
T2	Add New 12" x 18 Gauge Yellow Wire	Comp 1 Coil Yellow
T7 Indoor Blower Low		Indoor Blower Low Terminal
T6 Indoor Blower High		Indoor Blower High Terminal
AC1 BK	Add New 16" x 16 Gauge Black Wire	AC1 Black
T11 Outdoor Blower Low Out	Add New 16" x 16 Gauge Black Wire	Outdoor Blower Low
T18 Reversing Valve		Reversing Valve #1
T19 Reversing Valve		Reversing Valve #2
T5 AC-1 W		AC1 White
T8 AC-2 W		AC2 White
T13 Outdoor Blower Common		Outdoor Blower Common
T4 Comp #1 Contact In	Remove And Discard Black Wire From T4 To Compressor Relay	Place Compressor Wire Back On Relay Terminal
T9 Comp #2 Contact In	Remove And Discard Orange Wire From T9 To Compressor Relay	Place Compressor Wire Back On Terminal
Not Used	Add New 16" x 16 Gauge Orange Wire To High Voltage Terminal Board, Circuit #2 Black	AC2 Black
T17 Heat Thermistor		Outdoor Sensor 1
T16 Heat Thermistor		Outdoor Sensor 2
T15 Cool Thermistor		Indoor Sensor 1
T14 Cool Thermistor		Indoor Sensor 2
T12 Outdoor Blower High	Add New 6" x 16 Gauge Black Wire (Strip And Wire Nut)	Outdoor Blower High

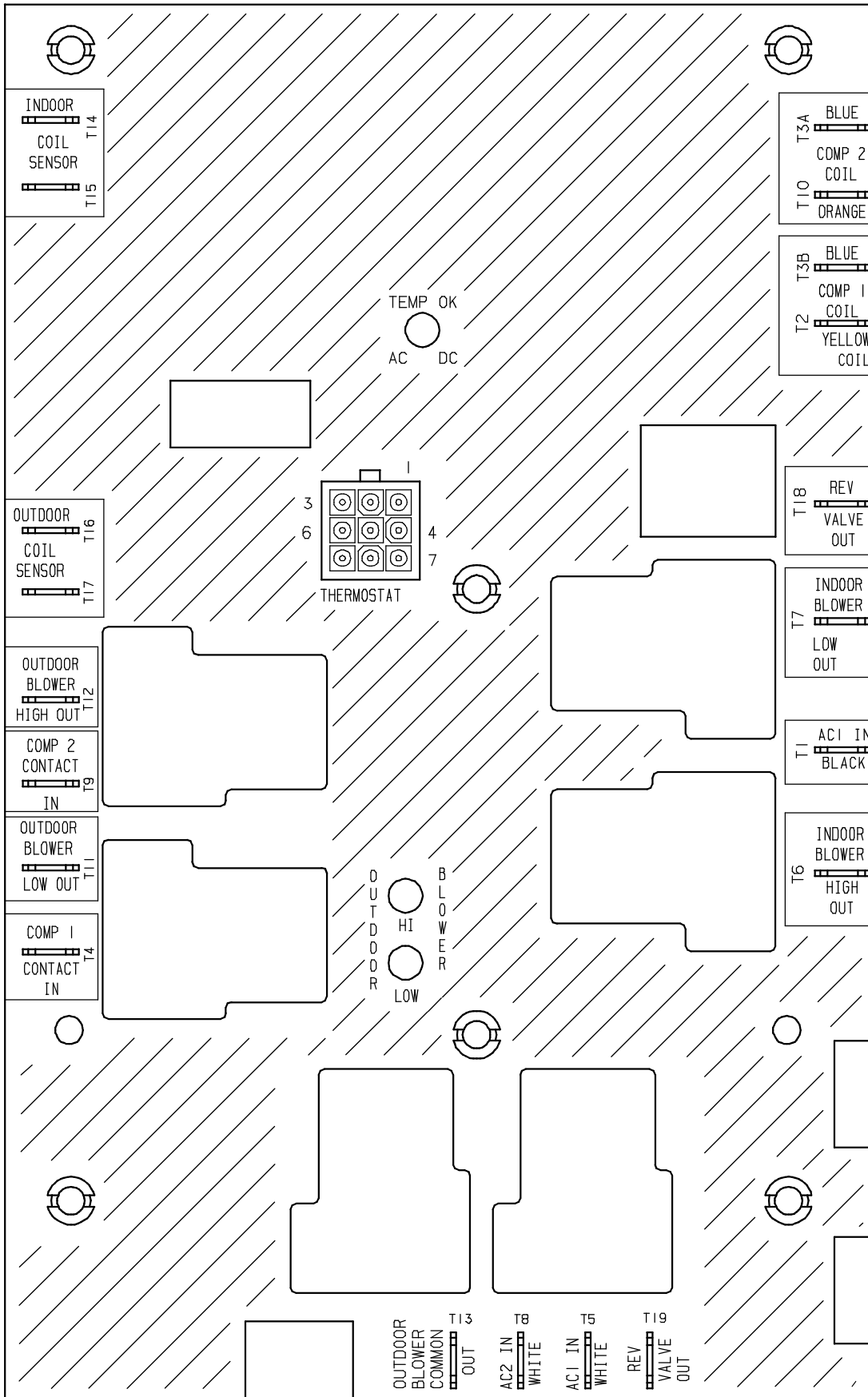
**IF WIRES DO NOT REACH, DO NOT PULL ON THE WIRES.
USE WIRES PROVIDED TO EXTEND.**

**Instructions For Changing From
P.C. Board 6536-320 Or 6536A320
To Kit 6536C3209
For 6536 Model Heat Pump**

If You Have Board 6536-320 Or 6536A320	Changes To	New Board 6536C3209
T3B	Add New 12" x 18 Gauge Blue Wire	Comp 2 Coil Blue
T10	Add New 12" x 18 Gauge Orange Wire	Comp 2 Coil Orange
T3A	Add New 12" x 18 Gauge Blue Wire	Comp 1 Coil Blue
T2	Add New 12" x 18 Gauge Yellow Wire	Comp 1 Coil Yellow
Indoor Blower Low Relay Red Wire	Add New 6" x 16 Gauge Red Wire (Strip And Wire Nut)	Indoor Blower Low Terminal
Indoor Blower High Relay Black Wire	Add New 6" x 16 Gauge Black Wire (Strip And Wire Nut)	Indoor Blower High Terminal
AC1 BK	Add New 16" x 16 Gauge Black Wire	AC1 Black
T11 Blower Low		Outdoor Blower Low
T19 Reversing Valve	Add New 6" x 16 Gauge Black Wire (Strip And Wire Nut)	Reversing Valve #1
T18 Reversing Valve		Rev. Valve #2
T5 AC-1 W		AC1 White
T8 AC-2 W		AC2 White
T13 Blower Common		Outdoor Blower Common
T4 Compressor #1	Remove And Discard Black Wire From T4 To Compressor Relay	Not used
T9 Compressor #2	Remove And Discard Orange Wire From T9 To Compressor Relay	Not Used
Not Used	Add New 16" x 16 Gauge Orange Wire To High Voltage Terminal Board, Circuit #2 Black	AC2 Black
T17 Heat Thermistor		Outdoor Sensor 1
T16 Heat Thermistor		Outdoor Sensor 2
T15 Cool Thermistor		Indoor Coil Sensor 1
T14 Cool Thermistor		Indoor Coil Sensor 2
T12 Blower High		Outdoor Blower High

**IF WIRES DO NOT REACH, DO NOT PULL ON THE WIRES.
USE WIRES PROVIDED TO EXTEND.**

6535-320, 6535A320, 6535B320 Board



6536-320 and 6536A320 Board

