



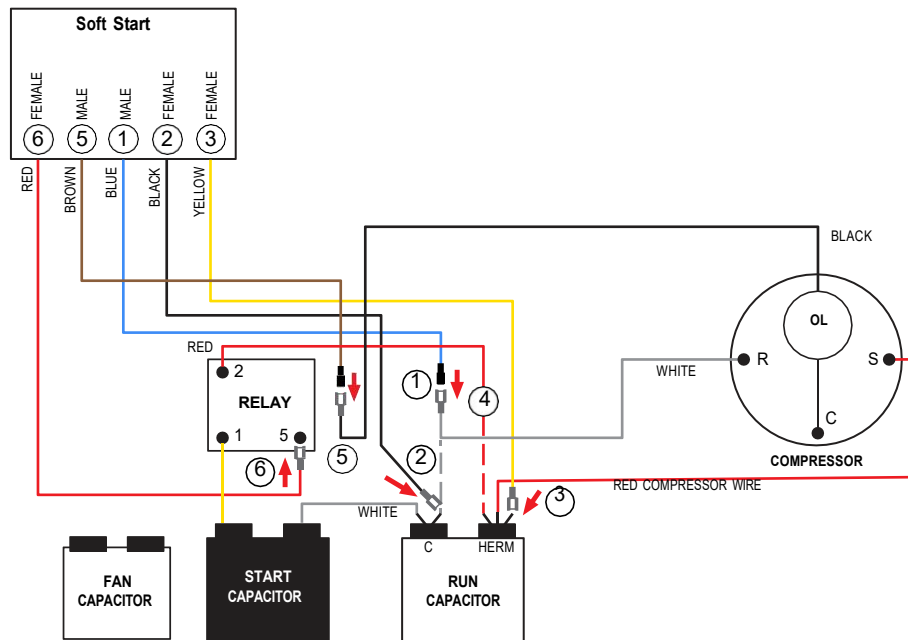
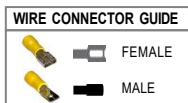
Soft Start Support

Click To Select Your A/C Manufacturer

- **ColeMan and AirXcel(same)**
- **DOMETIC**
- **Other Manufacturer (Advent, Atwood, Carrier, Emerson, Furrion, Houghton-Belaire, Intertherm, LG)**

ColeMan and AirXcel (same)

- | | | |
|-------------------|-------------------|-------------------|
| • <u>1970A999</u> | • <u>1976-764</u> | • <u>1976B519</u> |
| • <u>1971-984</u> | • <u>1976A061</u> | • <u>1976B603</u> |
| • <u>1976-204</u> | • <u>1976A096</u> | • <u>1976B613</u> |
| • <u>1976-345</u> | • <u>1976A136</u> | • <u>1976C136</u> |
| • <u>1976-518</u> | • <u>1976A363</u> | • <u>1976C304</u> |
| • <u>1976-568</u> | • <u>1976A364</u> | • <u>1976C519</u> |
| • <u>1976-603</u> | • <u>1976A518</u> | • <u>1976C613</u> |
| • <u>1976-613</u> | • <u>1976A519</u> | • <u>1976D136</u> |
| • <u>1976-724</u> | • <u>1976A536</u> | • <u>1976D519</u> |
| • <u>1976-731</u> | • <u>1976A537</u> | • <u>1976E136</u> |
| • <u>1976-734</u> | • <u>1976A603</u> | • <u>1976E304</u> |
| • <u>1976-736</u> | • <u>1976A613</u> | • <u>1976E519</u> |
| • <u>1976-740</u> | • <u>1976A727</u> | • <u>1976E519</u> |
| • <u>1976-741</u> | • <u>1976A736</u> | <u>MODIFIED</u> |
| • <u>1976-742</u> | • <u>1976A738</u> | <u>7-22</u> |
| • <u>1976-743</u> | • <u>1976A742</u> | • <u>1976F304</u> |
| • <u>1976-760</u> | • <u>1976B031</u> | • <u>1976G304</u> |
| • <u>1976-761</u> | • <u>1976B037</u> | • <u>N22531</u> |
| • <u>1976-762</u> | • <u>1976B119</u> | |
| • <u>1976-763</u> | • <u>1976B136</u> | |



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor Wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor Wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor Wire on "Herm" Side of Run Capacitor.
- Step ④ **IF you have three Capacitors or see a second Red wire** next to the Red Compressor Wire, disconnect it and seal end with electrical tape.
- Step ⑤ Follow Black Compressor Wire to Relay. Disconnect Black wire and connect to Brown SoftStart wire. Tape connection.
- Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor Wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

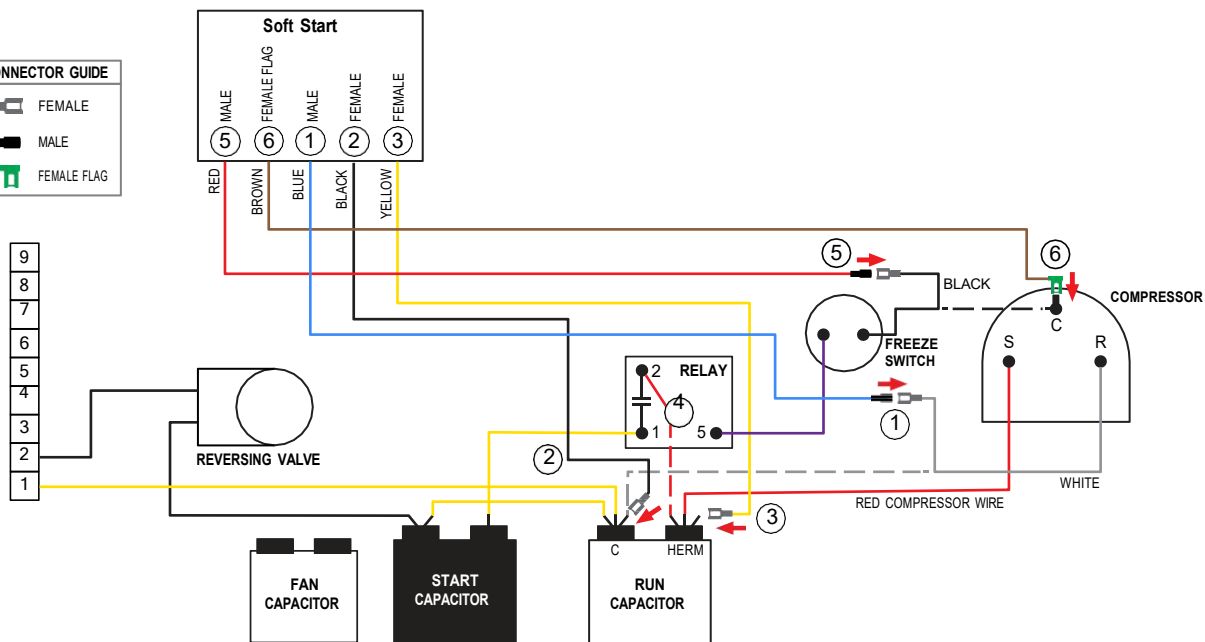
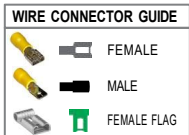
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1971-984 (10-81)



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route Blue, Black and Yellow SoftStart wires into the electrical box. Route Brown and Red SoftStart wires to the top of the Compressor. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor Wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor Wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor Wire on "Herm" Side of Run Capacitor.
- Step ④ Disconnect the Red wire from the Run Capacitor that goes to the Start Relay. Seal end with electrical tape and drop it.
- Step ⑤ Remove the Compressor Cap. Disconnect Black wire and connect to Red SoftStart wire. Tape connection. (Wires do not go back under cap.)
- Step ⑥ Connect Brown SoftStart wire (with Female Flag connector) onto the terminal that the Black Compressor Wire was on. Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976-204 (03-95)

Step 1. Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.

Step 2. Connect Black SoftStart wire to the terminal that the White Compressor wire was on.

Step 3. Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM terminal of Run Capacitor.

Step 4. IF there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.

Step 5. Follow Black Compressor wire to Pressure Switch Relay terminal. Disconnect it and connect to Brown SoftStart wire. Tape connection.

Step 6. Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

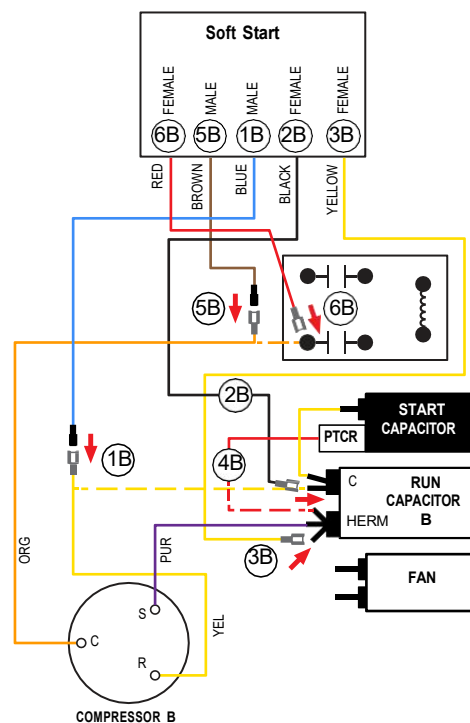
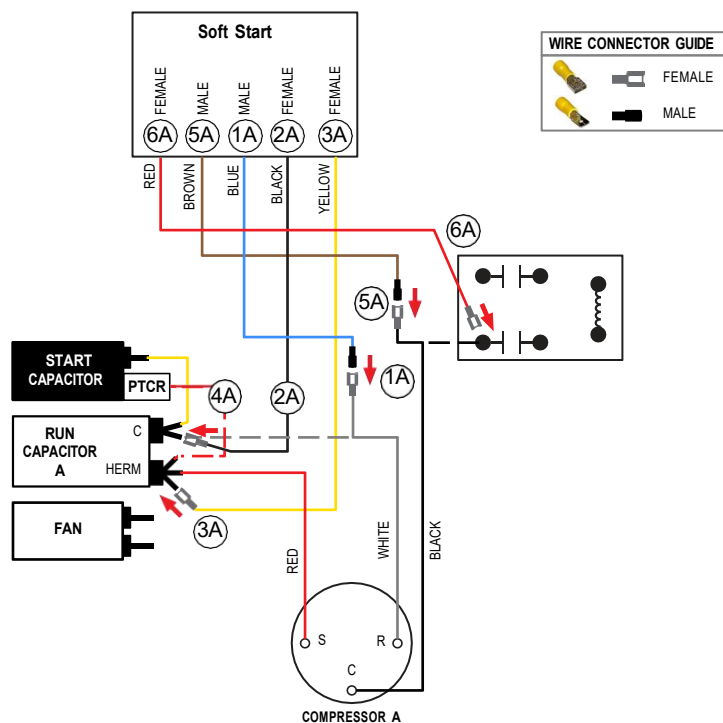
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.





TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

NOTE: Instructions are separate for Compressors A and B because wires colors are different. Work with one Compressor and one SoftStart at a time to avoid confusion.

COMPRESSOR A INSTRUCTIONS

Step 1A Follow White Compressor wire to "C" terminal of Run Capacitor. Disconnect and connect to Blue SoftStart wire. Tape connection.

Step 2A Connect Black SoftStart wire to the terminal on the Run Capacitor that the White Compressor Wire was on.

Step 3A Connect Yellow SoftStart wire on a terminal next to the Red Compressor wire.

Step 4A Disconnect the PTCT Red wire from the Herm Run Capacitor. Seal end with electrical tape and drop it.

Step 5A Follow Black compressor wire to the relay. Disconnect and connect to the Brown SoftStart wire. Tape connection.

Step 6A Connect the Red SoftStart wire on the Terminal the Black Compressor wire was on.

COMPRESSOR B INSTRUCTIONS

Step 1B Follow the Yellow Compressor wire to the "C" terminal of the Run Capacitor. Disconnect and connect to the Blue SoftStart wire.

Step 2B Connect Black SoftStart wire to the terminal on the Run Capacitor that the Yellow Compressor wire was on.

Step 3B Connect the Yellow SoftStart wire on a terminal next to the Purple Compressor wire on the Herm terminals.

Step 4B Disconnect the PTCT Red wire from the Herm Run Capacitor. Seal end with electrical tape and drop it.

Step 5B Follow Orange Compressor wire to the relay. Disconnect and connect to the Brown SoftStart wire. Tape connection.

Step 6B Connect the Red SoftStart wire on the terminal that the Orange Compressor wire was on.

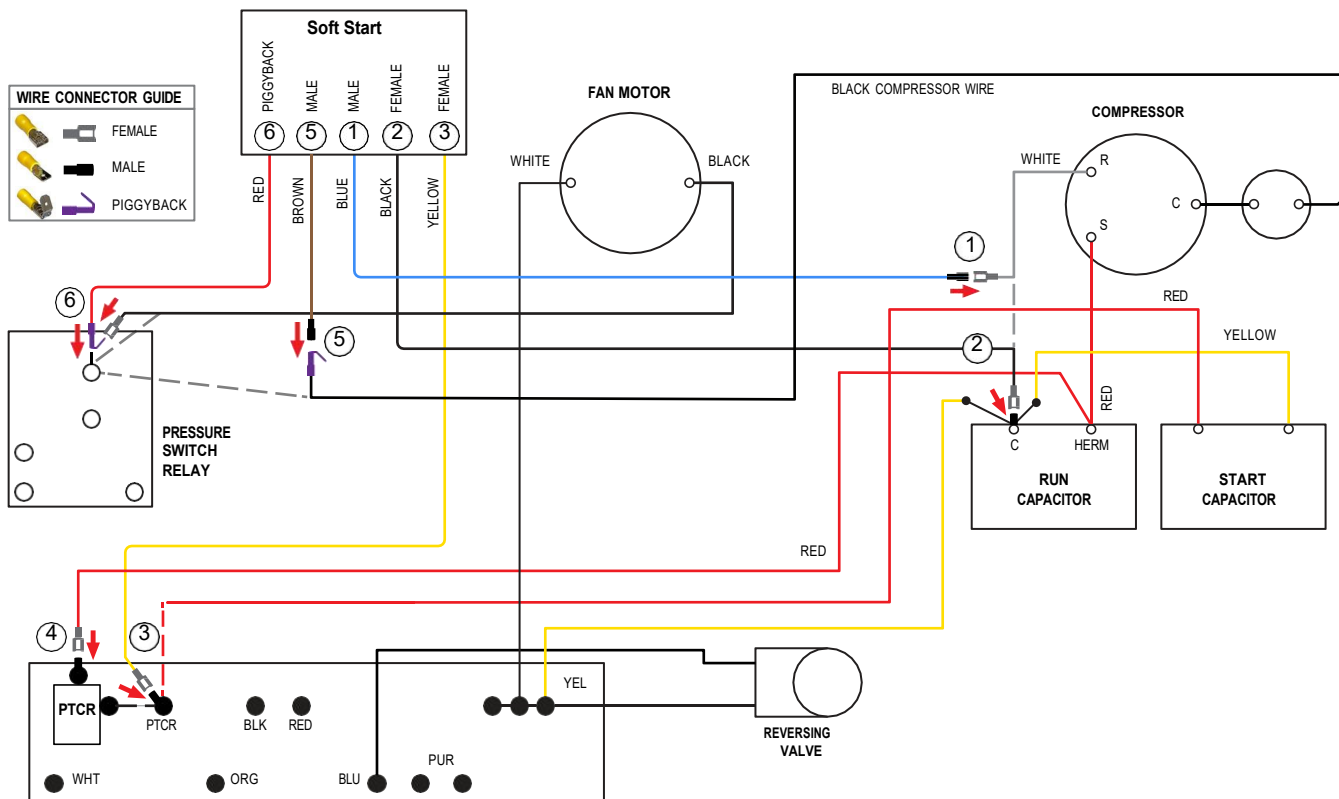
Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Dual Basement 1976-568 (5-16)



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire to Run Capacitor. Disconnect from Run Capacitor and connect to Blue SoftStart wire.
- Step ② Connect Black SoftStart wire to the terminal on the Run Capacitor that the White Compressor Wire was on.
- Step ③ Disconnect single Red wire next to PTCR (running from Start Capacitor) and tape end with electrical tape. Connect Yellow SoftStart wire on terminal that the Red wire was on.
- Step ④ Disconnect PTCR. Disconnect Red wire from PTCR and connect Red wire on terminal that the PTCR was on.
- Step ⑤ Follow Black Compressor Wire to Pressure Switch Relay and disconnect it from Relay. Also, disconnect Black Fan wire from Black Compressor wire. Connect Black Compressor wire to Brown SoftStart wire and tape connection with electrical tape.
- Step ⑥ Connect Red SoftStart wire to Pressure Switch Relay. Connect Black Fan wire to male Terminal on Red SoftStart (use piggyback connector).

Secure wires to prevent Fan from pulling wires in. Tape connections with electrical tape.

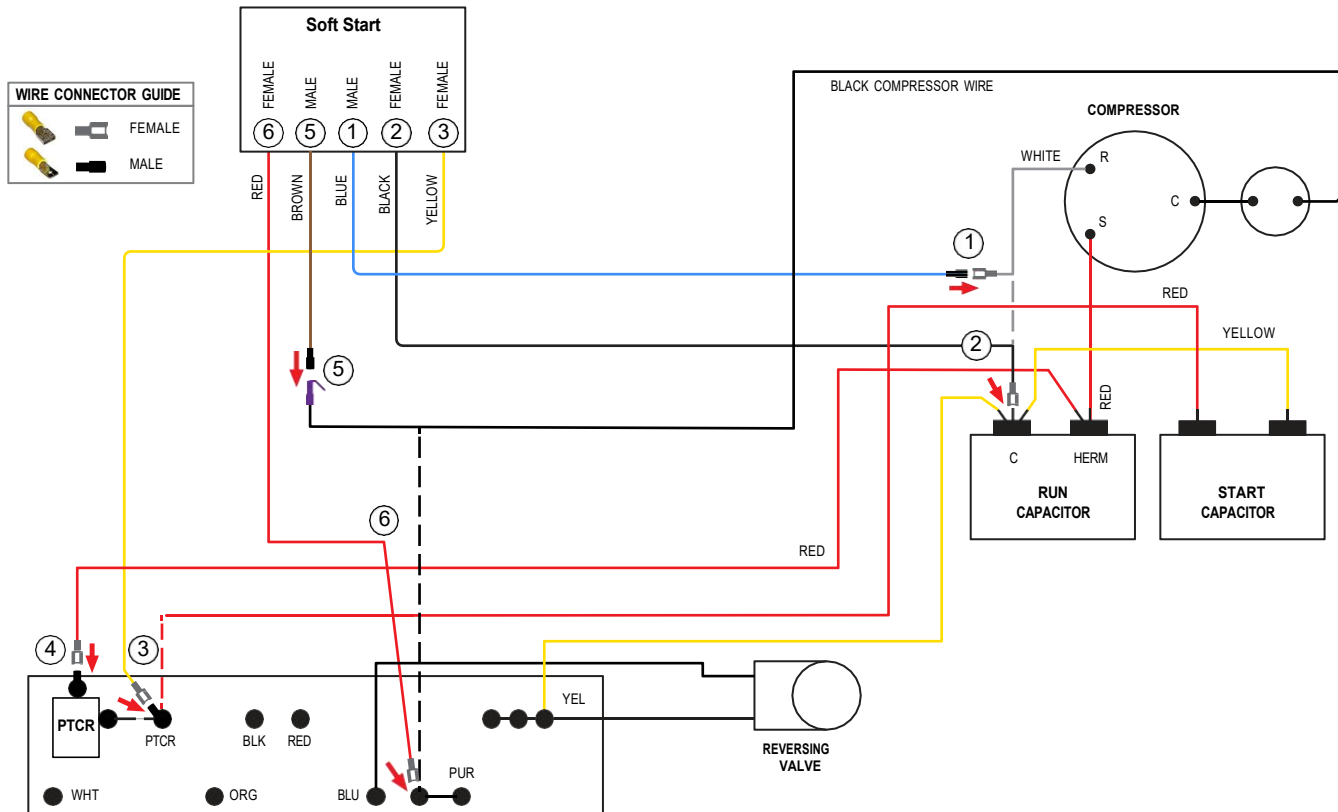
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976-603 (3-12)



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor wire to Run Capacitor. Disconnect from Run Capacitor and connect to Blue SoftStart wire.

Step ② Connect Black SoftStart wire to the terminal on the Run Capacitor that the White Compressor Wire was on.

Step ③ Disconnect single Red wire next to PTCR (running from Start Capacitor) and tape end with electrical tape. Connect Yellow SoftStart wire on terminal that the Red wire was on.

Step ④ Disconnect PTCR. Disconnect Red wire from PTCR and connect Red wire on terminal that the PTCR was on.

Step ⑤ Follow Black Compressor Wire to the terminal by PUR on the terminal board. Disconnect it, then connect Black Compressor wire to Brown SoftStart wire and tape connection with electrical tape.

Step ⑥ Connect Red SoftStart wire to the terminal that the Black Compressor Wire was on.

Secure wires to prevent Fan from pulling wires in. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

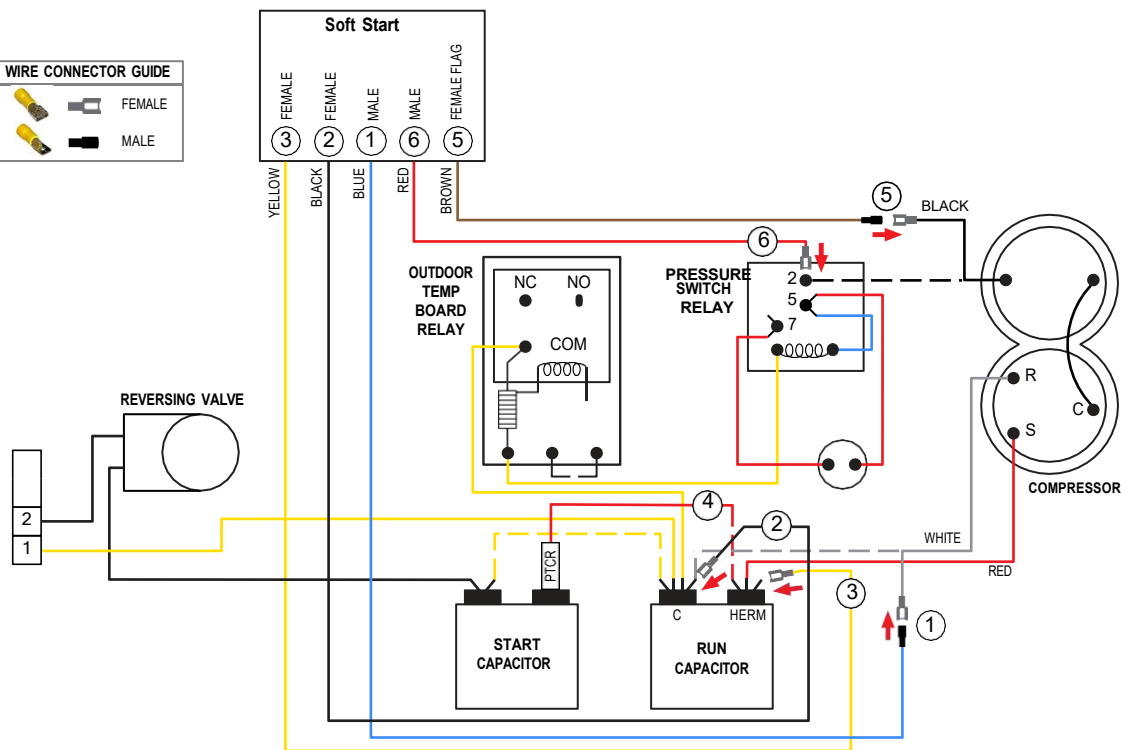
After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30

minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976-613 (7-12)

WIRE CONNECTOR GUIDE		
		FEMALE
		MALE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing

Step ① Follow White Compressor Wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.

Step ② Connect Black SoftStart wire to the terminal that the White Compressor Wire was on.

Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor Wire on "HERM" terminal of Run Capacitor.

Step ④ IF there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.

Step ⑤ Follow Black Compressor Wire to Pressure Switch Relay. Disconnect it and connect to Brown SoftStart wire. Tape connection.

Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor Wire was on. Secure all wires. Tape connections with electrical tape.

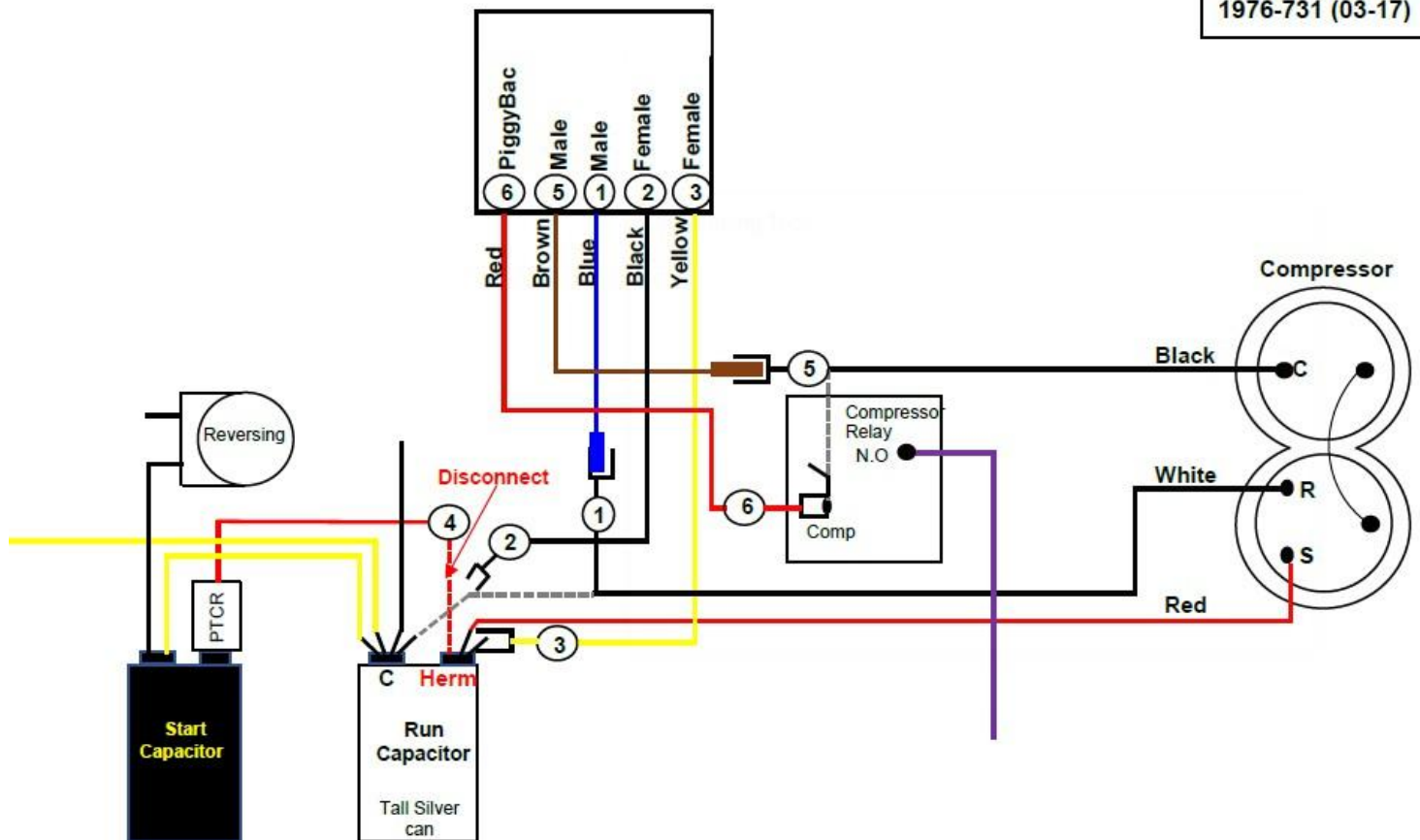
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976-724 (4-15)

COLEMAN

1976-731

Route All SoftstartRV wires into the electrical box. Crimp a connector on the wires as indicated in the Softstart box at the top of the drawing.

Step 1) Follow the White compressor wire to the “C” terminal of the RUN Capacitor. Disconnect and connect it to the Blue SoftstartRV wire.

Step 2) Connect the Black SoftstartRV wire on the terminal the White compressor wire was on.

Step 3) Follow the Red compressor wire from the compressor to the “HERM” terminal. DO NOT DISCONNECT RED COMPRESSOR WIRE. Connect the Yellow SoftstartRV wire on the Terminal next to the Red compressor wire if it is available (see next step).

Step 4) IF you see a 2nd Red wire next to the Red compressor wire DISCONNECT it, tape the end and drop it. Then connect the Yellow SoftstartRV wire on the Terminal where you pulled the second Red wire o .

Step 5) Follow the Black compressor wire to the Compressor relay where it has a second Black wire piggybacked on to it. Pull o the second Black wire that was piggybacked to the Black Compressor wire. Connect the Brown SoftstartRV wire to the Black compressor wire.

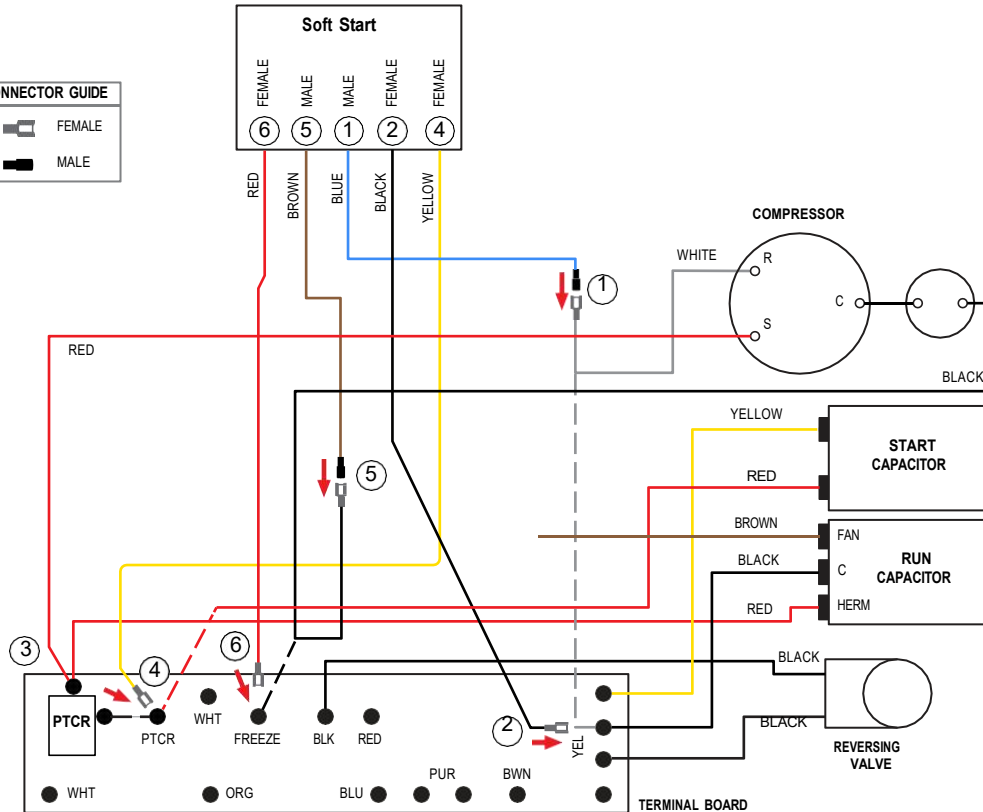
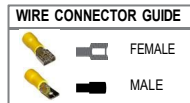
Step 6) Connect the Red SoftstartRV wire (you have already put a piggyback connector on it) to the Relay Terminal where you pulled the Black Compressor o . Now take the loose Black wire and put it on the piggyback Red SoftstartRV wire.

Before turning the power back on, secure wires to prevent the fan from pulling them in. Turn Power and A/C breaker on, Turn Fan on High until you hear it running, Turn A/C to Auto Cool set Thermostat to 55 degrees.

Look at the SoftstartRV for a Green light (There may be a full 3 min delay before the Green light comes on).

When you see the Green Light, Turn the power o and replace all covers then turn the A/C back on and allow it to run for 30 min at about 2 degrees below the outside temperature whichshould give it time to cycle a few times.





TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire to Terminal Board. Disconnect from Terminal Board and connect to Blue SoftStart wire.
 - Step ② Connect Black SoftStart wire to the terminal on the Terminal Board that the White Compressor Wire was on.
 - Step ③ Disconnect the PTCR and remove the double Red wires. Connect double Red wires to terminal that the PTCR was on.
 - Step ④ Disconnect the single Red wire that was next to PTCR. Connect Yellow SoftStart wire where the single Red wire was.
 - Step ⑤ Disconnect Black Compressor Wire from Terminal Board. Connect Black Compressor Wire to Brown SoftStart wire and tape connection with electrical tape.
 - Step ⑥ Connect Red SoftStart wire to the Freeze terminal that the Black Compressor Wire was on.
- Secure wires to prevent Fan from pulling wires in. Tape connections with electrical tape.

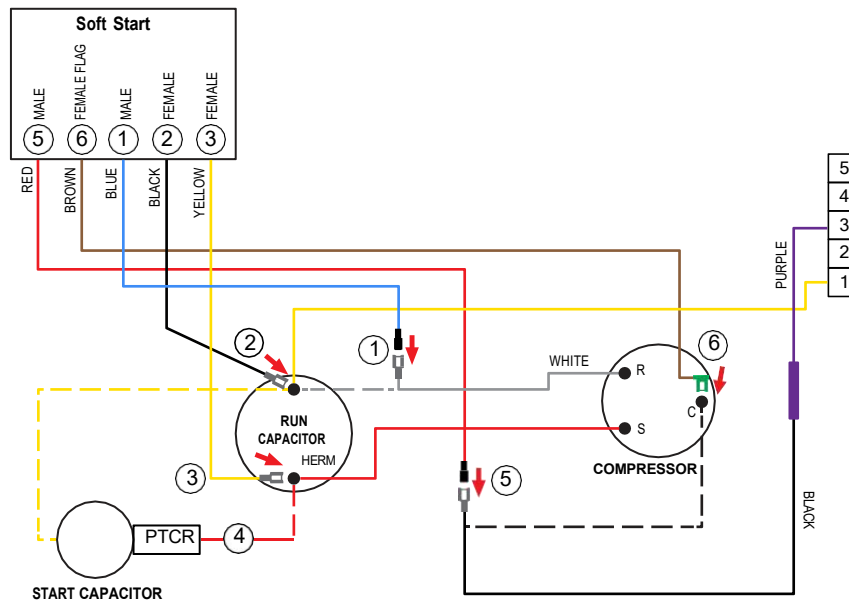
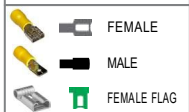
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance. After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976-734 (11-17)

WIRE CONNECTOR GUIDE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route Black, Yellow and Blue SoftStart wires into the electrical box. Then crimp Connectors onto SoftStart wires as indicated in drawing. Route Brown and Red SoftStart wires to the top of the Compressor. Then attach Connectors as indicated in drawing.

IF there are 3 Capacitors, perform Step 4. If there are NOT 3 Capacitors, skip Step 4.

Step ① Follow White Compressor wire from Compressor to Run Capacitor. Disconnect from terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.

Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.

Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.

Step ④ **IF there is a second Red wire next to Red Compressor wire on HERM side of Run Capacitor, disconnect it, seal end with tape and drop it.**

Step ⑤ Remove the Compressor Cap. Disconnect Black wire and connect to Red SoftStart wire. Tape connection.

Step ⑥ Connect Brown SoftStart wire (with Female Flag connector) onto the terminal that the Black Compressor wire was on. Route Brown wire out with Red and White Compressor wires. Replace cap.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and the thermostat to 55°F.

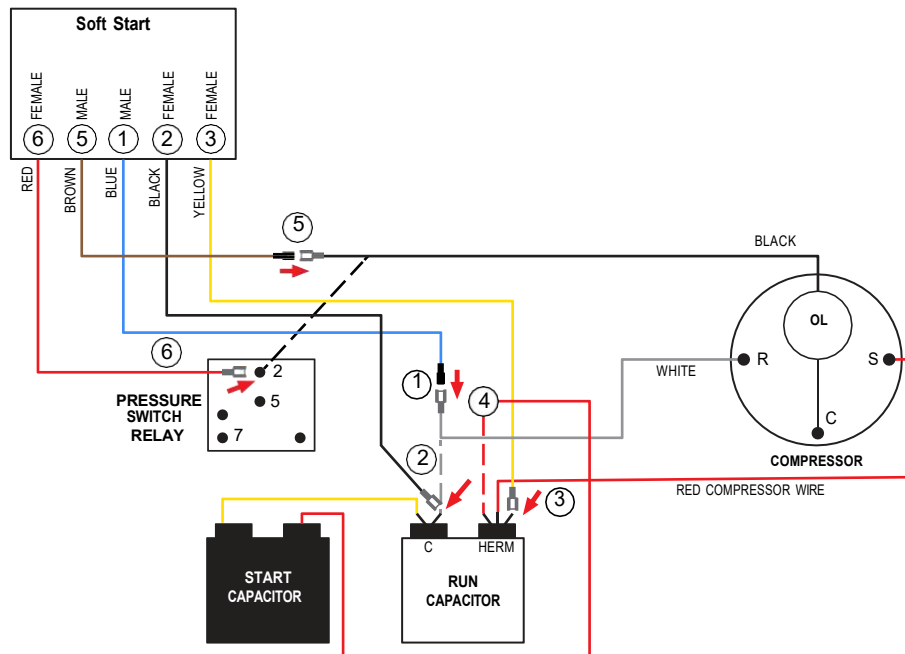
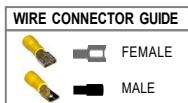
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.**

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976A736 (6-18) NCF



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor Wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.

Step ② Connect Black SoftStart wire to the terminal that the White Compressor Wire was on.

Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor Wire on HERM Side of Run Capacitor.

Step ④ **IF you see a second Red wire** next to the Red Compressor Wire, disconnect it and seal end with electrical tape.

Step ⑤ Follow Black Compressor Wire to Relay. Disconnect Black wire and connect to Brown SoftStart wire. Tape connection.

Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor Wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

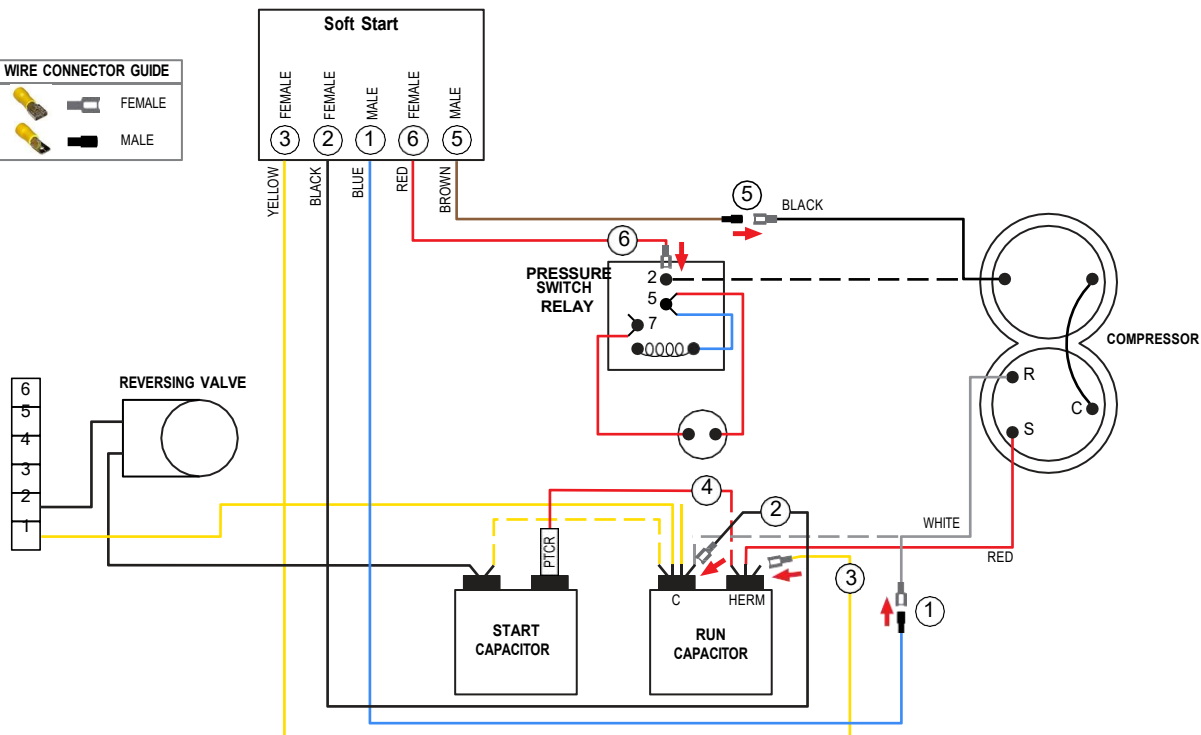
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976-741 (10-20)

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor Wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor Wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor Wire on HERM terminal of Run Capacitor.
- Step ④ **IF** there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.
- Step ⑤ Follow Black Compressor Wire to Pressure Switch Relay. Disconnect it and connect to Brown SoftStart wire. Tape connection.
- Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor Wire was on. Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

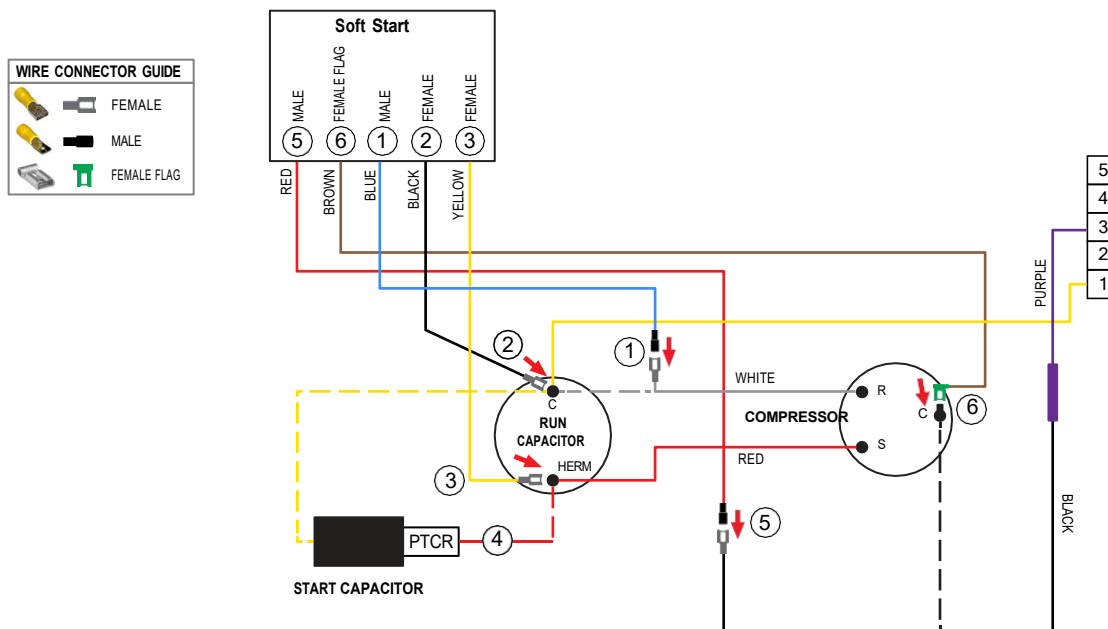
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

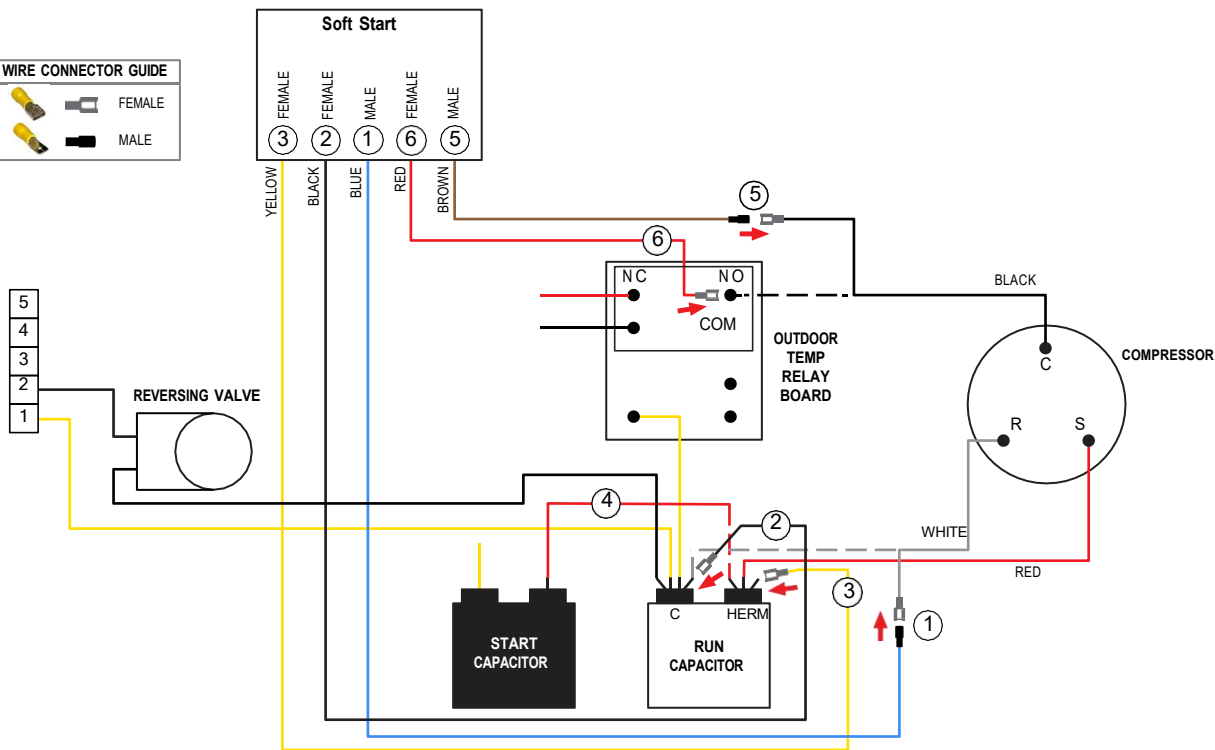
Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976-743 (02-18)



WIRE CONNECTOR GUIDE		
		FEMALE
		MALE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor Wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.

Step ② Connect Black SoftStart wire to the terminal that the White Compressor Wire was on.

Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor Wire on HERM terminal of Run Capacitor.

Step ④ **IF** there is a Black Capacitor with second Red wire next to the Red Compressor wire, disconnect it, seal end with tape and drop it.

Step ⑤ Follow Black Compressor Wire to Outdoor Temperature Relay Board. Disconnect it and connect to Brown SoftStart wire. Tape connection.

Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor Wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

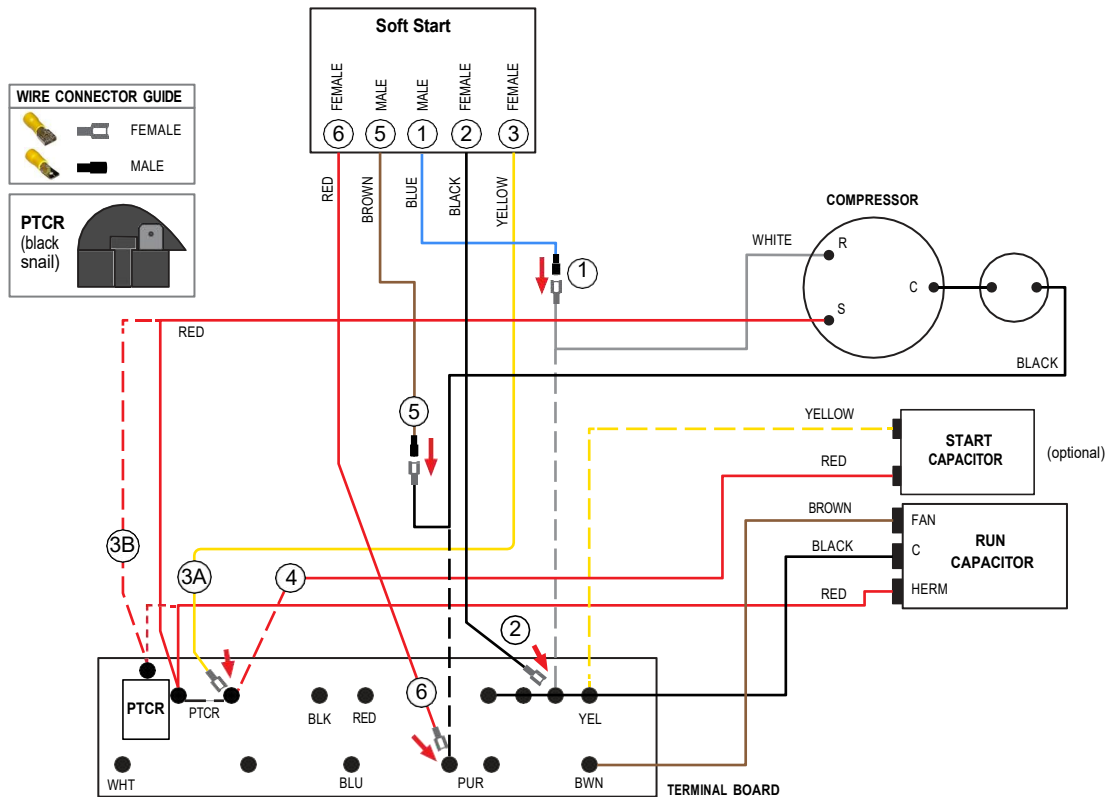
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976-761 (02-20)



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

NOTE: There are two options for Step 3, depending on your existing connections. Read both options carefully before proceeding.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor wire to Terminal Board. Disconnect from Terminal Board and connect to Blue SoftStart wire.

Step ② Connect Black SoftStart wire to the terminal on the Terminal Board that the White Compressor Wire was on.

Step ③A Connect Yellow SoftStart wire on terminal next to double Red wires (where PTCR is stamped on Terminal Board).

If there is not a black PTCR (looks like a black snail - see illustration above), skip Step 4 completely.

Step ③B If there is a black PTCR, disconnect the double Red wires and connect them to PTCR terminal (stamped on Terminal Board).

Step ④ If there is a black PTCR, disconnect the single Red wire on terminal next to PTCR and seal end with tape. Connect Yellow SoftStart wire that the single Red wire was on.

Step ⑤ Disconnect Black Compressor Wire from Terminal Board. Connect Black Compressor Wire to Brown SoftStart wire and tape connection with electrical tape.

Step ⑥ Connect Red SoftStart wire to the terminal that the Black Compressor Wire was on.

Secure all wires. Tape connections with electrical tape.

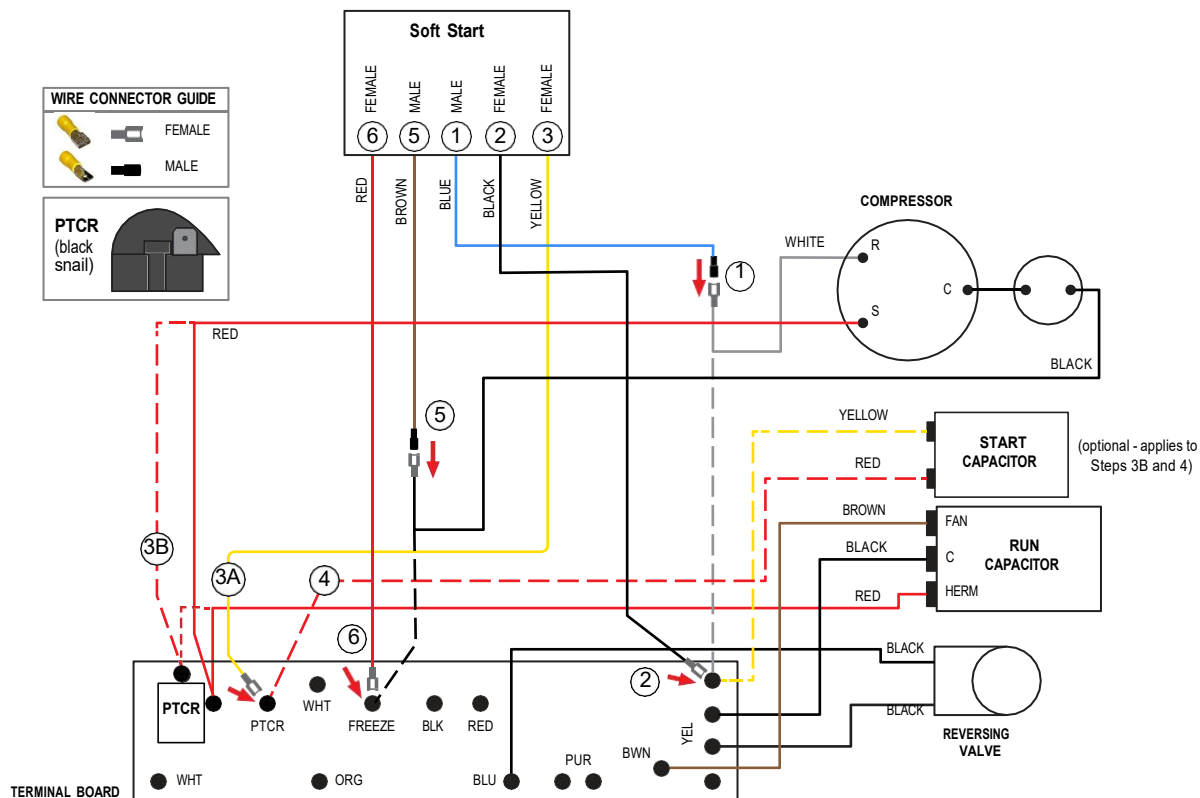
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976-762 (03-20) TB



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

NOTE: There are two options for Step 3, depending on your existing connections. Read both options carefully before proceeding.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor wire to Terminal Board. Disconnect from Terminal Board and connect to Blue SoftStart wire.

Step ② Connect Black SoftStart wire to the terminal on the Terminal Board that the White Compressor Wire was on.

Step ③A Connect Yellow SoftStart wire on terminal next to double Red wires (where PTCR is stamped on Terminal Board).
If there is not a black PTCR (looks like a black snail - see illustration above), skip Step 4 completely.

Step ③B If there is a black PTCR, disconnect the PTCR from the Terminal Board, then disconnect the double Red wires and connect them to the terminal that the PTCR was on.

Step ④ Disconnect the single Red wire on terminal next to PTCR and seal end with tape. Connect Yellow SoftStart wire that the single Red wire was on.

Step ⑤ Disconnect Black Compressor Wire from Freeze connection on Terminal Board. Connect Black Compressor Wire to Brown SoftStart wire and tape connection with electrical tape.

Step ⑥ Connect Red SoftStart wire to the terminal that the Black Compressor Wire was on.

Secure all wires. Tape connections with electrical tape.

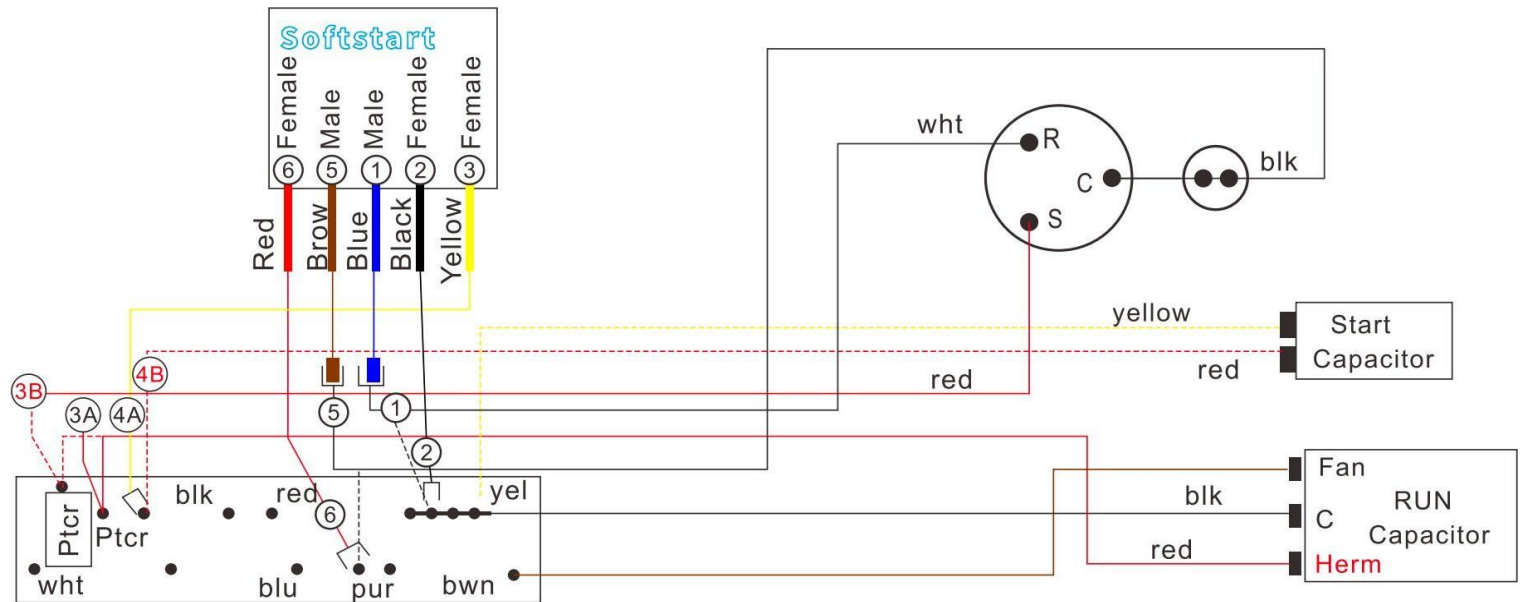
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976-763 (03-20) TB



Coleman Mach 1976-764(03-20)

COLEMAN

1976-764

NOTE: Route All Softstart wires into the electrical box, then crimp disconnects as shown in softstart box at top

Step 1) Follow the White Compressor wire to Run Capacitor “C” Terminal. Disconnect and connect it to the Blue SoftstartRV wire.

Step 2) Connect the Black SoftstartRV wire to the terminal the White wire was on.

Step 3) Follow the Red compressor wire from the compressor to the “HERM” terminal. At that point you will notice that the Red Compressor is on a Double Connector with a second Red wire. DO NOT DISCONNECT Either of the RED WIRES. Connect the Yellow SoftstartRV wire on the Terminal next to the Red compressor wire if it is available (see next step).

Step 4) IF you see a 2nd Red wire next to the Connector with the double Red wires, DISCONNECT it, tape the end and drop it. Then connect the Yellow SoftstartRV wire on the Terminal where you pulled off the second Red wire.

NOTE: IF you see a PTCR (see picture above), Pull it o the Terminal and remove the connector with the double red wires. Then put the connector with the double Red wires back on the Terminal where the PTCR was. If you then see another Red wire next to it, DISCONNECT it, tape the end and drop it. Then Connect the Yellow SoftstartRV wire on the Terminal where you just pulled o the Red wire.

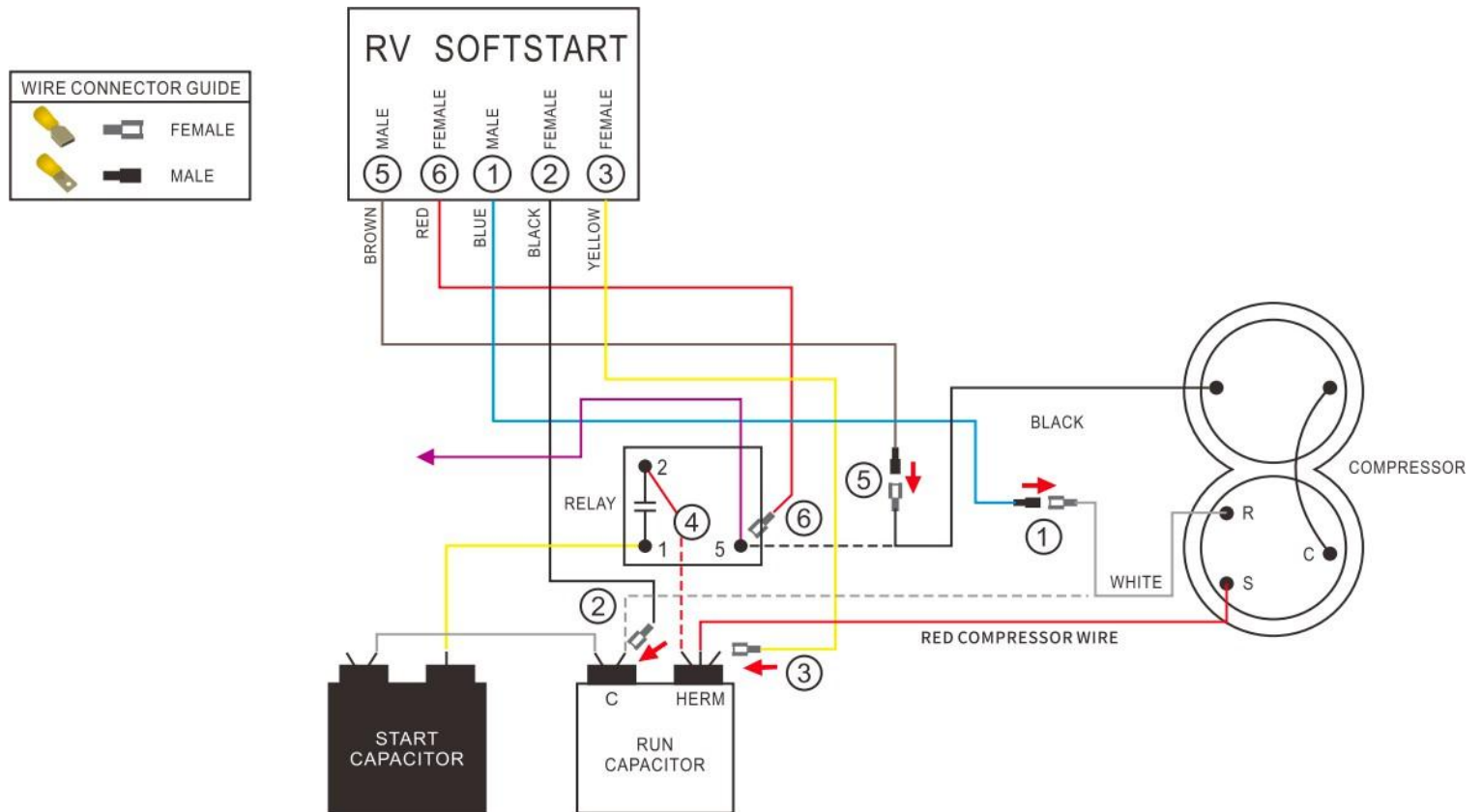
Step 5) Follow the Black Compressor wire to the “PUR” Terminal (Purple wire will be directly across from it), Disconnect the Black wire and connect it to the Brown SoftstartRV wire.

Step 6) Connect the Red SoftstartRV wire on the Terminal that the Black compressor wire was on.

Before turning the power back on, secure wires to prevent the fan from pulling them in. Turn the Power and A/C breaker on, Turn the Fan on High until you hear it running, then Turn the A/C to Auto Cool and set the Thermostat to 55 degrees.

Look at the SoftstartRV for a Green light (There may be a full 3 min delay before the Green light comes on).

After you see the Green Light, Turn the power o , tidy up your wires and replace all covers. Then turn the A/C back on and allow it to run for 30 min at about 2 degrees below the outside temperature which should allow it to cycle a few times.



Wiring Diagram for Coleman Mach 1976A061(10-91)

Instructions

TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step 1. Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.

Step 2. Connect Black SoftStart wire to the terminal that the White Compressor wire was on.

Step 3. Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.

Step 4. If there is another Red wire next to the Red Compressor wire, disconnect it from Run Capacitor. Seal end with electrical tape and drop it.

Step 5. Follow Black Compressor wire to Relay. Disconnect Black wire from Relay and connect to Brown SoftStart wire. Tape connection.

Step 6. Connect Red SoftStart wire onto the Relay terminal that the Black Compressor wire was on.

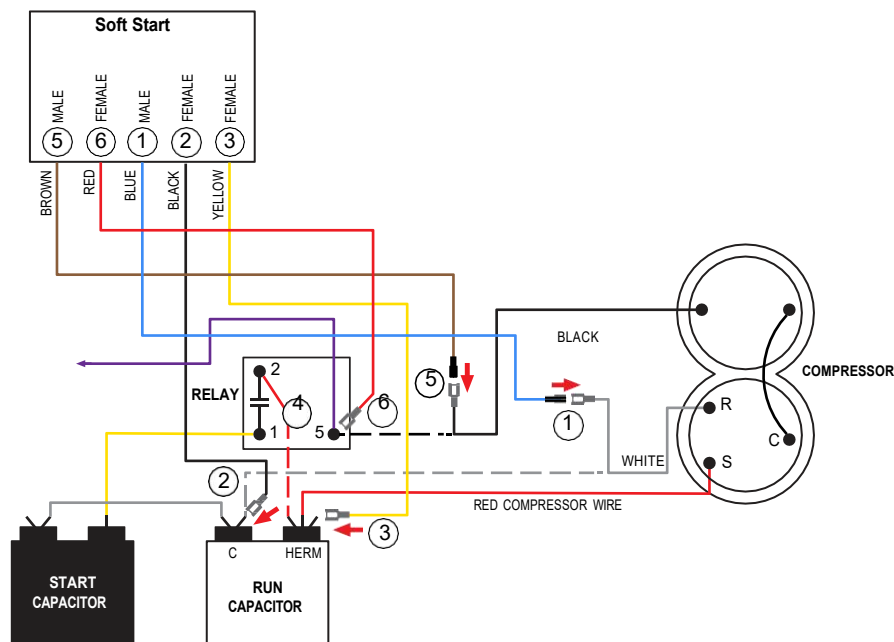
Secure all wires. Seal connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.
- Step ④ **If there is another Red wire** next to the Red Compressor wire, disconnect it from Run Capacitor. Seal end with electrical tape and drop it.
- Step ⑤ Follow Black Compressor wire to Relay. Disconnect Black wire from Relay and connect to Brown SoftStart wire. Tape connection.
- Step ⑥ Connect Red SoftStart wire onto the Relay terminal that the Black Compressor wire was on.

Secure all wires. Seal connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

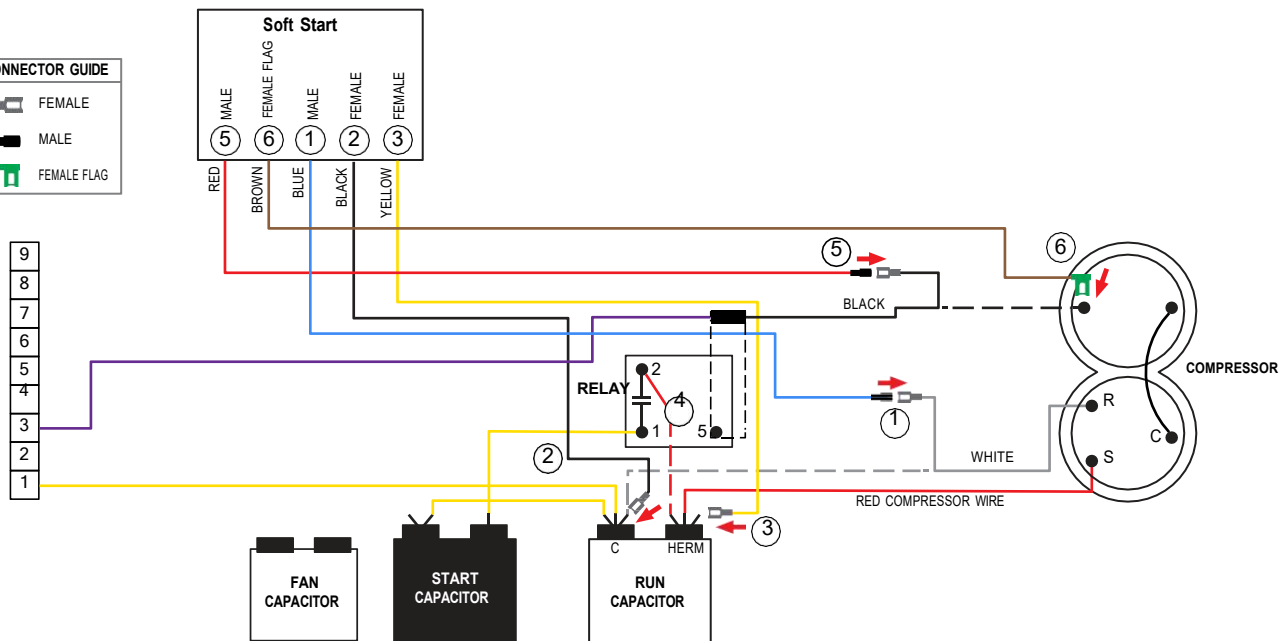
After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976A096 (5-90) Relay

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE
	FEMALE FLAG



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route Black, Yellow and Blue SoftStart wires into the electrical box. Then crimp Connectors onto SoftStart wires as indicated in drawing. Route Brown and Red SoftStart wires to the top of the Compressor. Then attach Connectors as indicated in drawing.

- Step ① Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.
- Step ④ Disconnect the Red wire from the Run Capacitor that goes to the Start Relay. Seal end with electrical tape and drop it.
- Step ⑤ Remove the Compressor Cap. Disconnect Black wire and connect to Red SoftStart wire. Tape connection. (Wires do not go back under cap.)
- Step ⑥ Connect Brown SoftStart wire onto the terminal that the Black Compressor wire was on. Route Brown wire over to and out with Red and White Compressor wires. Replace cap. (The Overload can be moved to place the cap back on it.)

Secure all wires. Seal connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

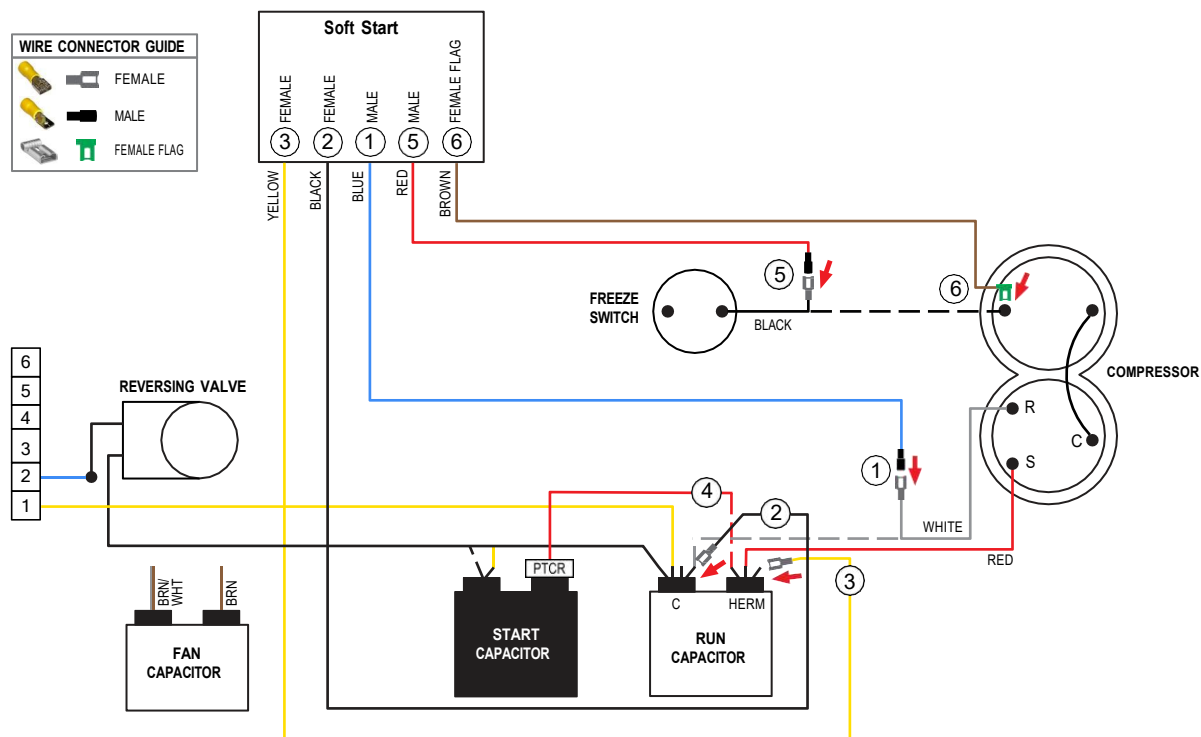
After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976A136 (5-92)

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE
	FEMALE FLAG



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route Black, Blue and Yellow SoftStart wires into the electrical box. Route Brown and Red SoftStart wires to the top of the Compressor. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Follow White Compressor wire from Compressor to Run Capacitor "C" terminal (inside the electrical box). Disconnect from "C" terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM terminal of Run Capacitor.
- IF there is a second Red wire** next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.
- Remove the Compressor Cap. Disconnect Black wire and connect to Red SoftStart wire. Tape connection. **Do not put wires back under cap.**
- Connect Brown SoftStart wire onto the terminal that the Black Compressor wire was on. Route Brown SoftStart wire out with Red and White Compressor wires. Replace cap.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

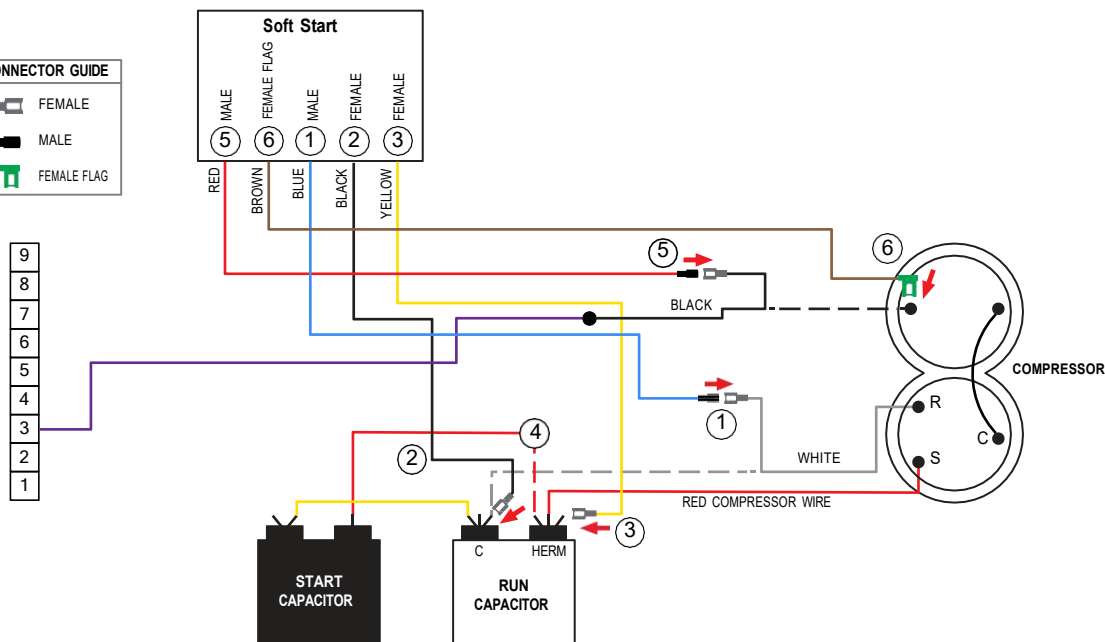
After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976A363 (05-02)

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE
	FEMALE FLAG



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route Black, Blue and Yellow SoftStart wires into the electrical box. Route Brown and Red SoftStart wires to the top of the Compressor. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.
- Step ④ **IF there is a second Red wire** next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.
- Step ⑤ Remove the Compressor Cap. Disconnect Black wire and connect to Red SoftStart wire. Tape connection. (Wires do not go back under cap.)
- Step ⑥ Connect Brown SoftStart wire onto the terminal that the Black Compressor wire was on. Route Brown wire over to and out with Red and White Compressor wires. Replace cap.

Secure all wires. Seal connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

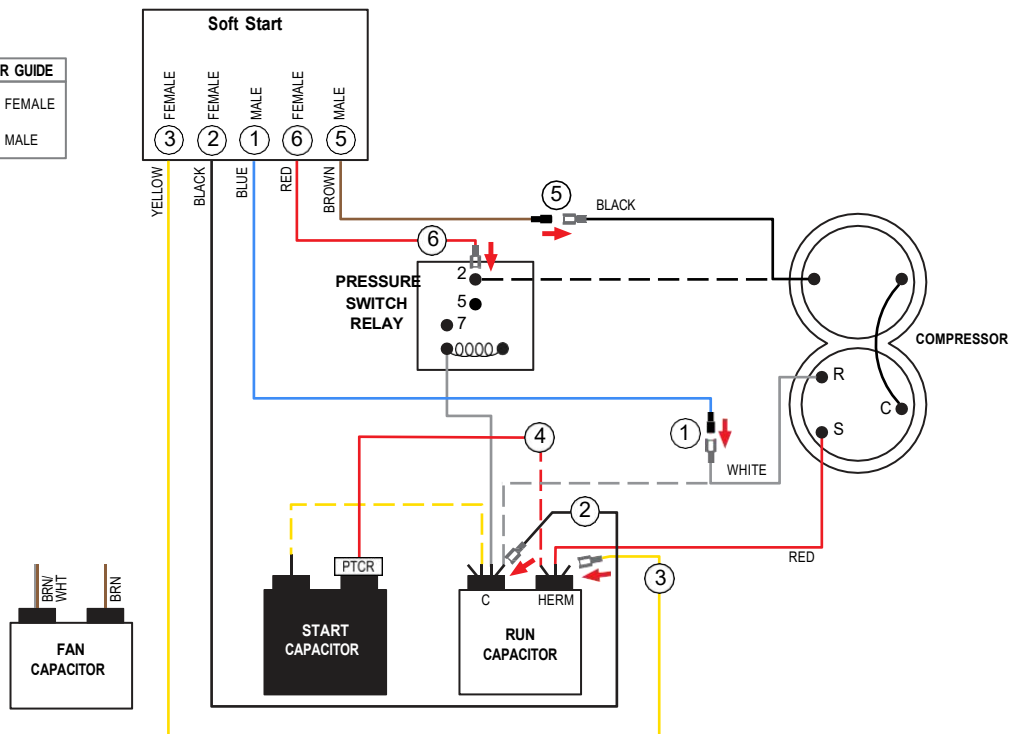
After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976A364 (09-02)

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE
	FEMALE
	MALE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM terminal of Run Capacitor.
- Step ④ **IF** there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.
- Step ⑤ Follow Black Compressor wire to Pressure Switch Relay terminal. Disconnect it and connect to Brown SoftStart wire. Tape connection.
- Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on. Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

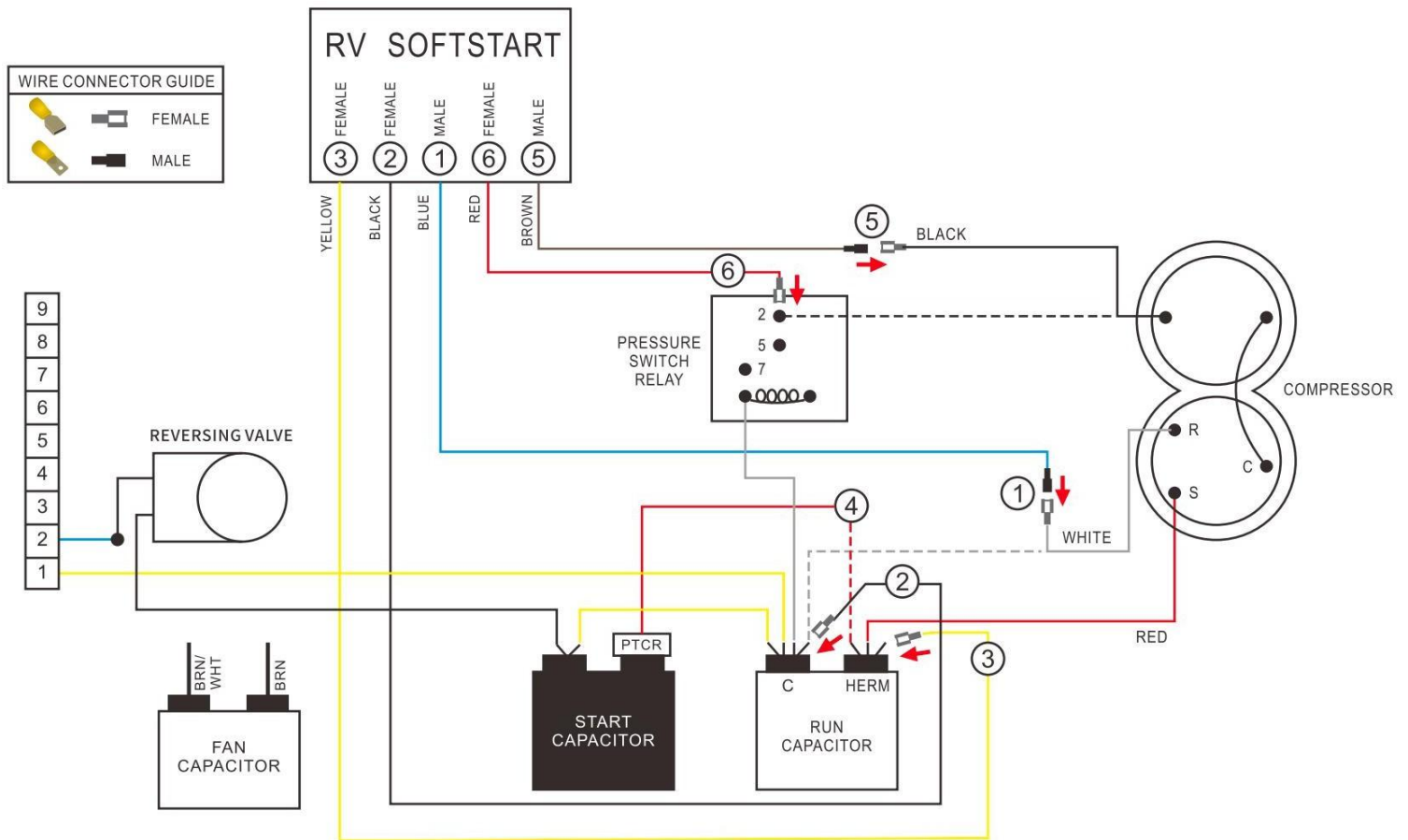
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976A518 Relay



Wiring Diagram for Coleman Mach 1976A519

Instructions

TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step 1. Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.

Step 2. Connect Black SoftStart wire to the terminal that the White Compressor wire was on.

Step 3. Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM terminal of Run Capacitor.

Step 4. IF there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.

Step 5. Follow Black Compressor wire to Pressure Switch Relay terminal. Disconnect it and connect to Brown SoftStart wire. Tape connection.

Step 6. Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on.

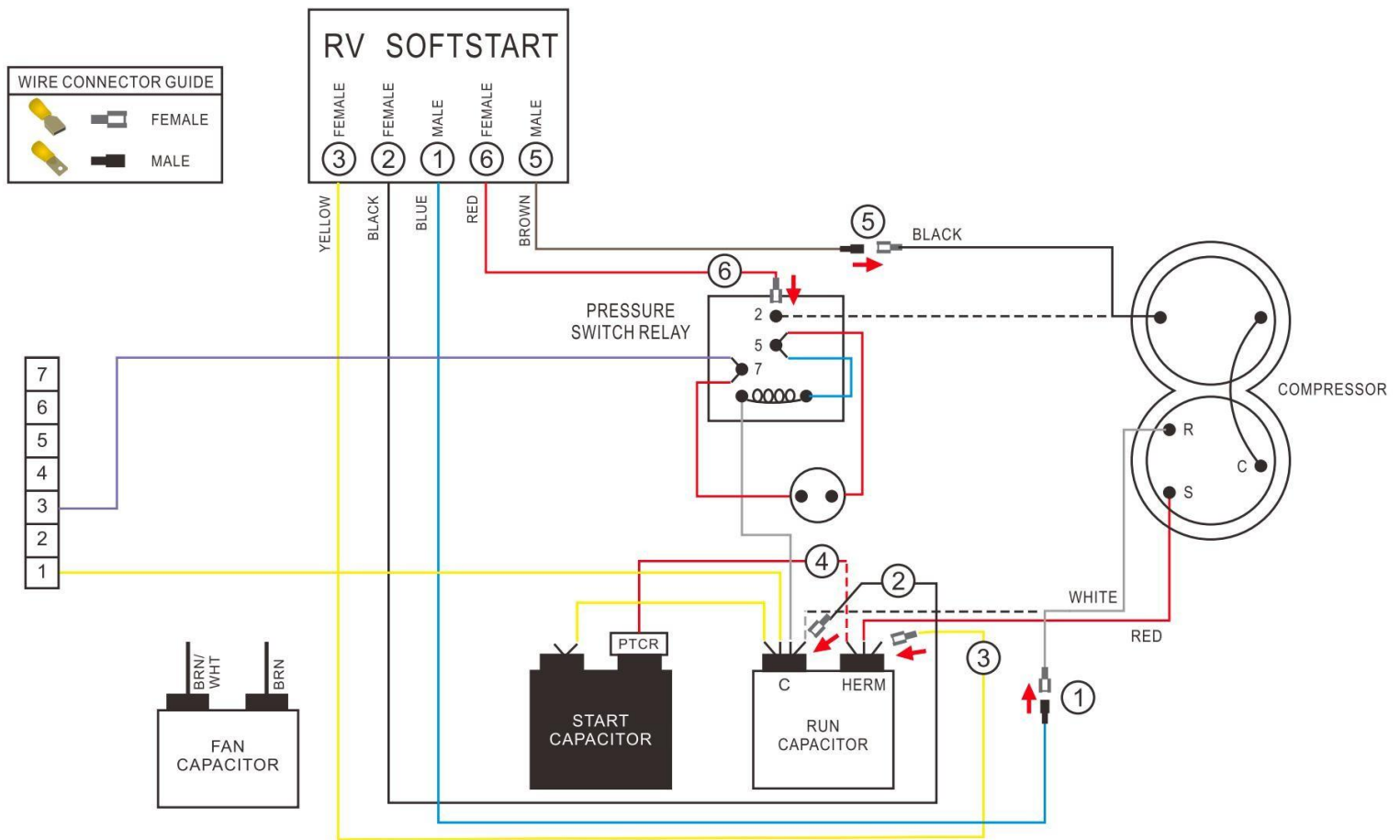
Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.



Wiring Diagram for Coleman Mach 1976A536(12-09) Relay

SoftStartRV Wiring Diagram for Coleman Mach 1976A536

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step 1. Follow White Compressor wire from Compressor to Run Capacitor “C” terminal. Disconnect from “C” terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.

Step 2. Connect Black SoftStart wire to the terminal that the White Compressor wire was on.

Step 3. Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM terminal of Run Capacitor.

Step 4. IF there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.

Step 5. Follow Black Compressor wire to Pressure Switch Relay. Disconnect it from the Relay and connect to Brown SoftStart wire. Tape connection.

Step 6. Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

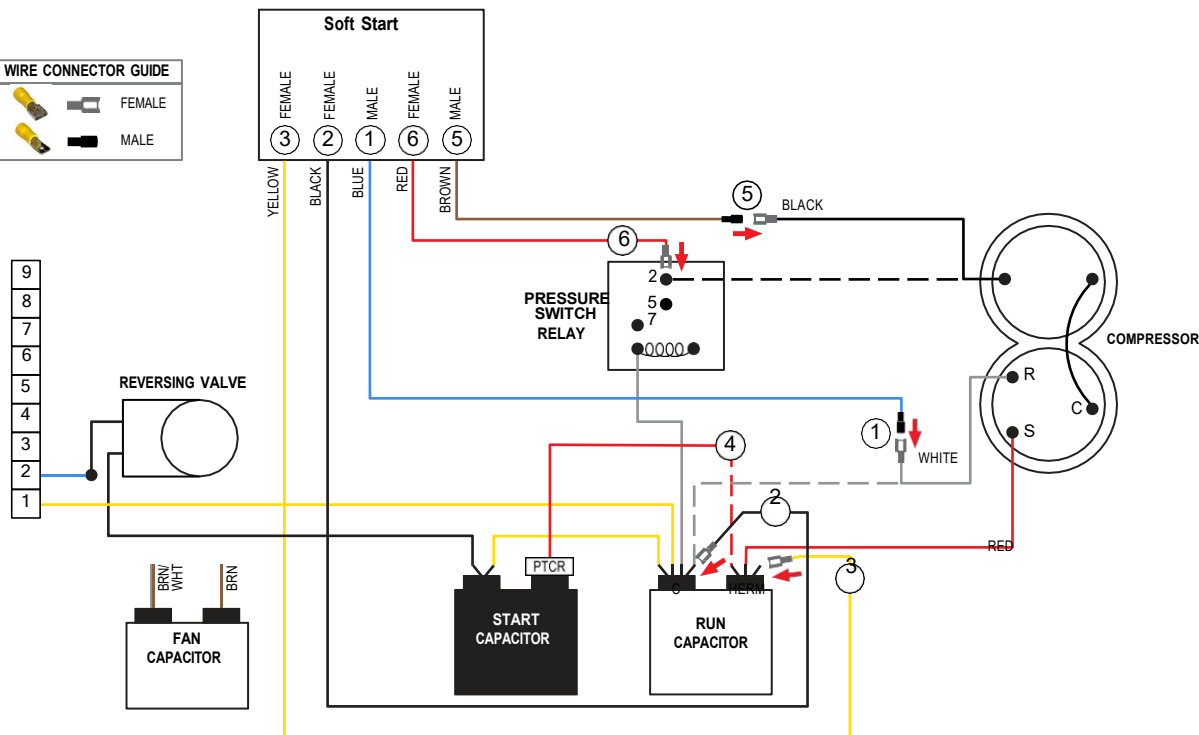
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be “on”. Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step 1 Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.
 - Step 2 Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
 - Step 3 Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM terminal of Run Capacitor.
 - Step 4 **IF** there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.
 - Step 5 Follow Black Compressor wire to Pressure Switch Relay terminal. Disconnect it and connect to Brown SoftStart wire. Tape connection.
 - Step 6 Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on.
- Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

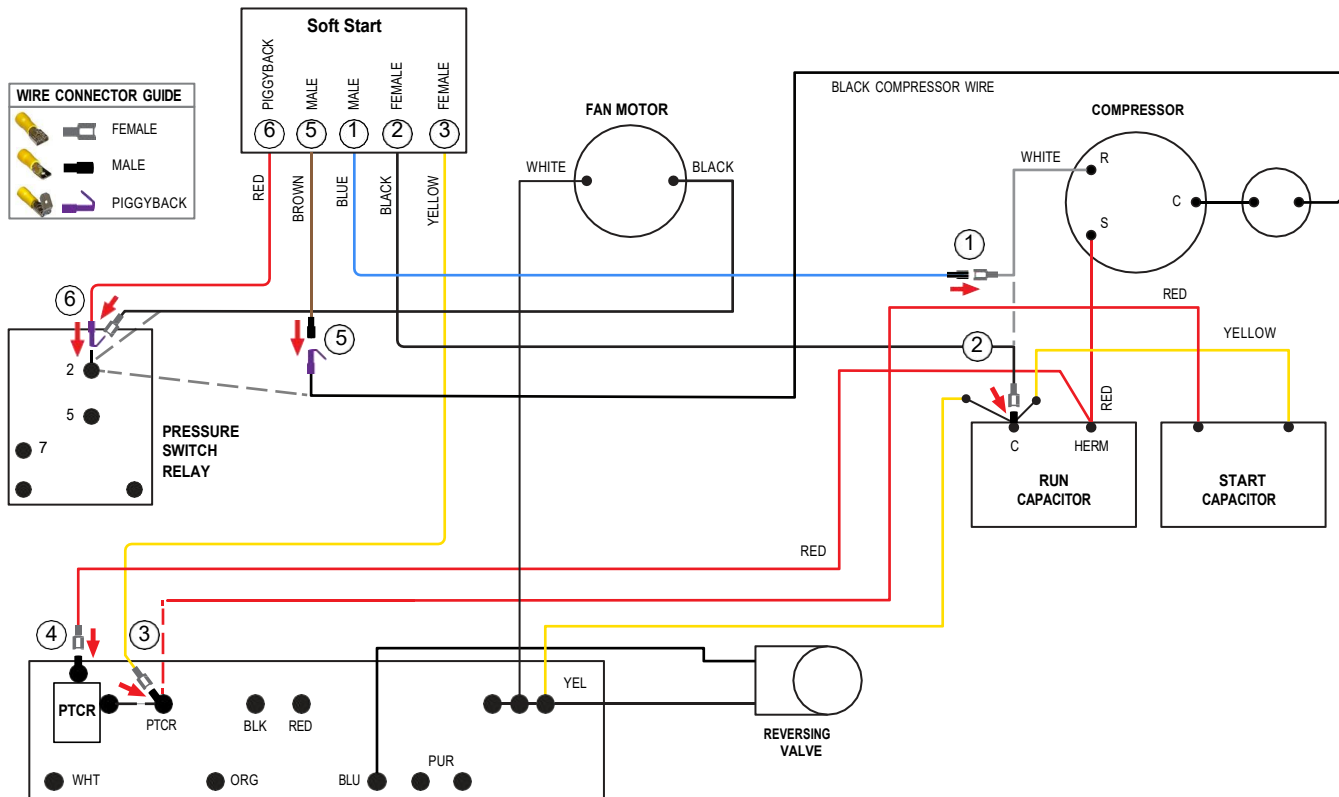
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 19/6A537 (12-09) Relay



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire to Run Capacitor "C" terminal. Disconnect from Run Capacitor and connect to Blue SoftStart wire.
- Step ② Connect Black SoftStart wire to the terminal on the Run Capacitor that the White Compressor wire was on.
- Step ③ Disconnect single Red wire next to PTCR (running from Start Capacitor) and tape end with electrical tape. Connect Yellow SoftStart wire on terminal that the Red wire was on.
- Step ④ Disconnect PTCR. Disconnect Red wire from PTCR and connect Red wire on terminal that the PTCR was on.
- Step ⑤ Follow Black Compressor Wire to Pressure Switch Relay and disconnect it from Relay. Also, disconnect Black Fan wire from Black Compressor wire. Connect Black Compressor wire to Brown SoftStart wire and tape connection with electrical tape.
- Step ⑥ Connect Red SoftStart wire to Pressure Switch Relay. Connect Black Fan wire to male terminal on Red SoftStart wire (use piggyback connector).

Secure wires to prevent Fan from pulling wires in. Tape connections with electrical tape.

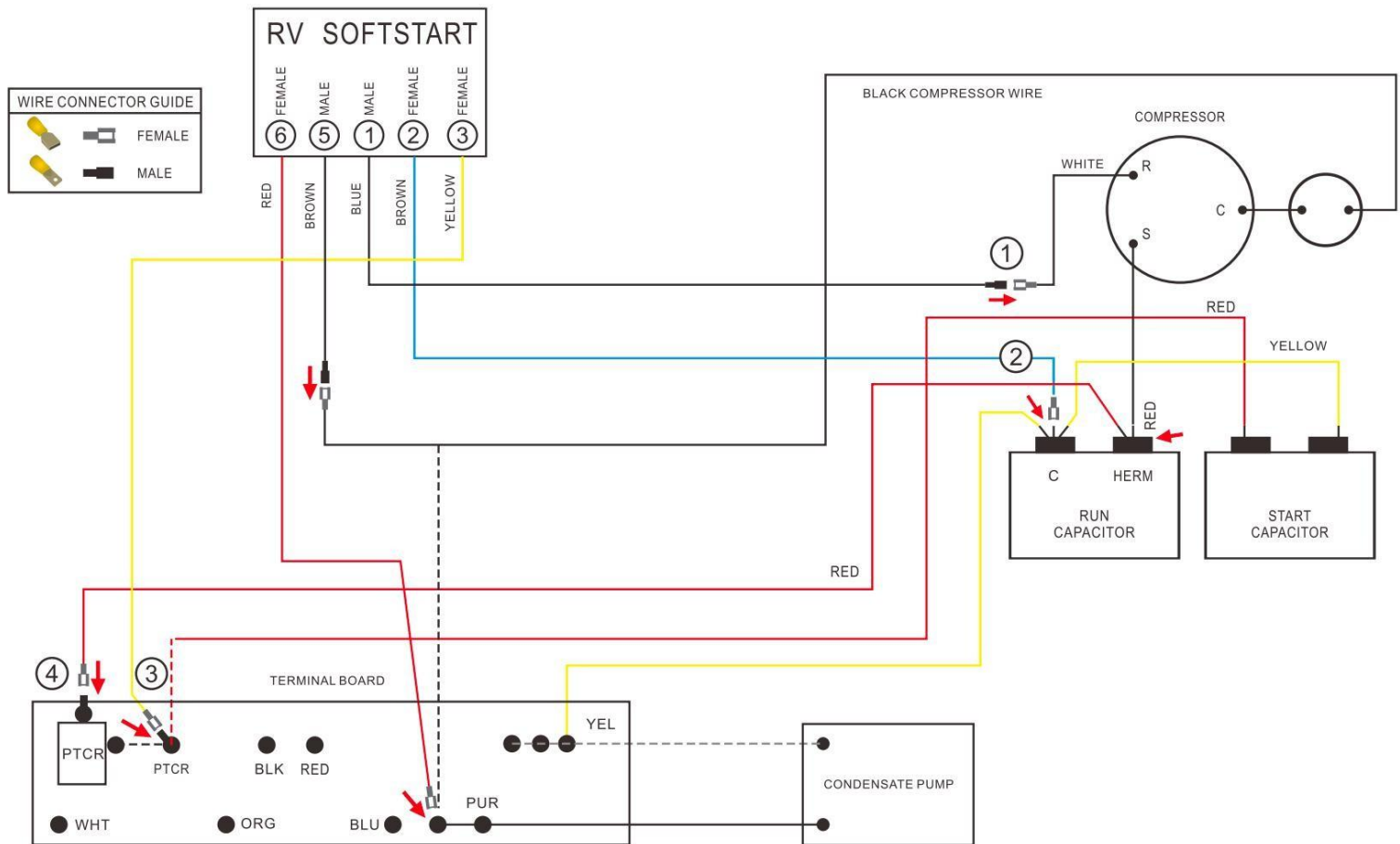
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976A603 (3-14) TB



Wiring Diagram for Coleman Mach 1976A613

Instructions

TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step 1. Follow White Compressor wire to Run Capacitor. Disconnect from Run Capacitor and connect to Blue SoftStart wire.

Step 2. Connect Black SoftStart wire to the terminal on the Run Capacitor that the White Compressor wire was on.

Step 3. Disconnect single Red wire next to PTCR (running from Start Capacitor) and tape end with electrical tape. Connect Yellow SoftStart wire on terminal that the Red wire was on.

Step 4. Disconnect PTCR. Disconnect Red wire from PTCR and reconnect Red wire onto terminal that the PTCR was on.

Step 5. Follow Black Compressor wire to the terminal by PUR on the terminal board. Disconnect it, then connect Black Compressor wire to Brown SoftStart wire and seal connection with electrical tape.

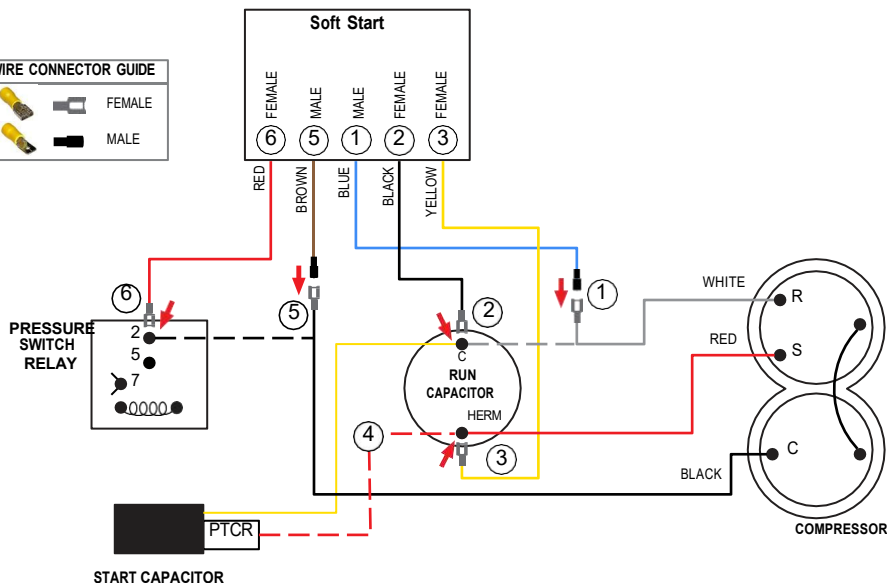
Step 6. Connect Red SoftStart wire to the terminal that the Black Compressor wire was on.

Secure wires to prevent Fan from pulling wires in. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be “on”. Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing

Step ① Follow White Compressor Wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.

Step ② Connect Black SoftStart wire to the terminal that the White Compressor Wire was on.

Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor Wire on "HERM" terminal of Run Capacitor.

Step ④ **IF** there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.

Step ⑤ Follow Black Compressor Wire to Pressure Switch Relay. Disconnect it and connect to Brown SoftStart wire. Tape connection.

Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor Wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

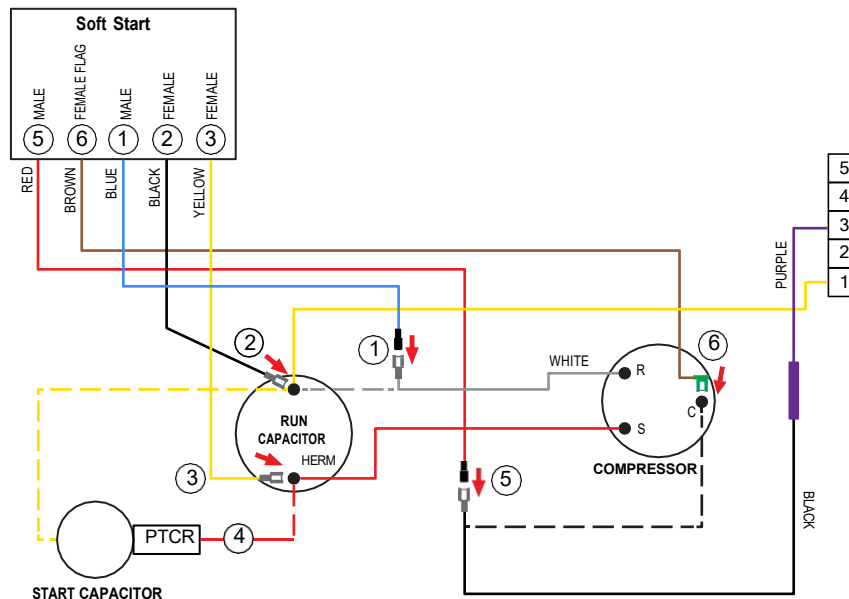
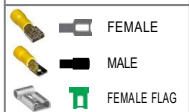
After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976A727 (02-18) Relay

WIRE CONNECTOR GUIDE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route Black, Yellow and Blue SoftStart wires into the electrical box. Then crimp Connectors onto SoftStart wires as indicated in drawing. Route Brown and Red SoftStart wires to the top of the Compressor. Then attach Connectors as indicated in drawing.

IF there are 3 Capacitors, perform Step 4. If there are NOT 3 Capacitors, skip Step 4.

- Step ① Follow White Compressor wire from Compressor to Run Capacitor. Disconnect from terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.
- Step ④ **IF** there is a second Red wire next to Red Compressor wire on HERM side of Run Capacitor, disconnect it, seal end with tape and drop it.
- Step ⑤ Remove the Compressor Cap. Disconnect Black wire and connect to Red SoftStart wire. Tape connection.
- Step ⑥ Connect Brown SoftStart wire (with Female Flag connector) onto the terminal that the Black Compressor wire was on. Route Brown wire out with Red and White Compressor wires. Replace cap.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and the thermostat to 55°F.

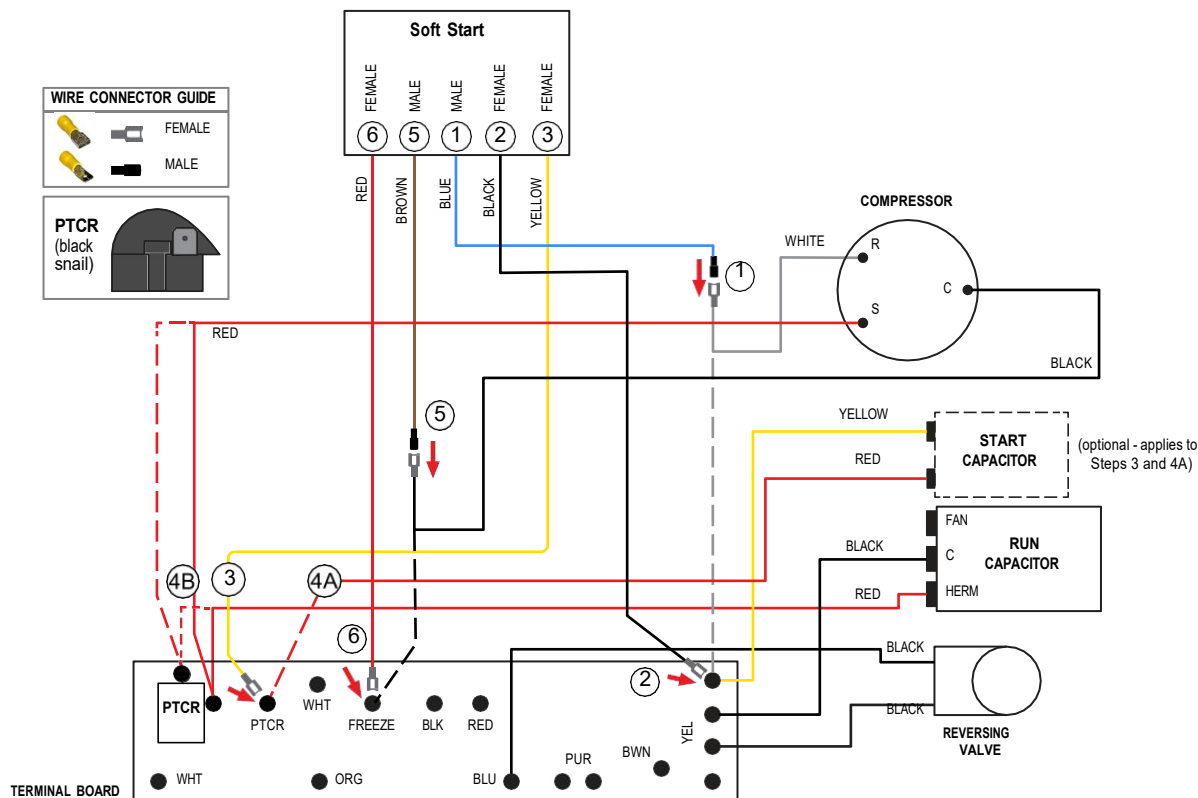
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976A736 (6-18) NCF



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

NOTE: There are two options for Step 4, depending on your existing connections. Read both options carefully before proceeding.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire to Terminal Board. Disconnect from Terminal Board and connect to Blue SoftStart wire.
- Step ② Connect Black SoftStart wire to the terminal on the Terminal Board that the White Compressor Wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal where PTCR is stamped on Terminal Board.
If there is not a black PTCR (looks like a black snail - see illustration above), skip Step 4 completely.
- Step ④A If there is a Start Capacitor and PTCR, disconnect the Red wire from the Terminal Board.
- Step ④B Disconnect PTCR from Terminal Board. Then disconnect the double Red wires from the PTCR and reconnect to terminal that the PTCR was connected to.
- Step ⑤ Disconnect Black Compressor Wire from Freeze connection on Terminal Board. Connect Black Compressor Wire to Brown SoftStart wire and tape connection with electrical tape.
- Step ⑥ Connect Red SoftStart wire to the terminal that the Black Compressor Wire was on.
- Secure all wires. Tape connections with electrical tape.

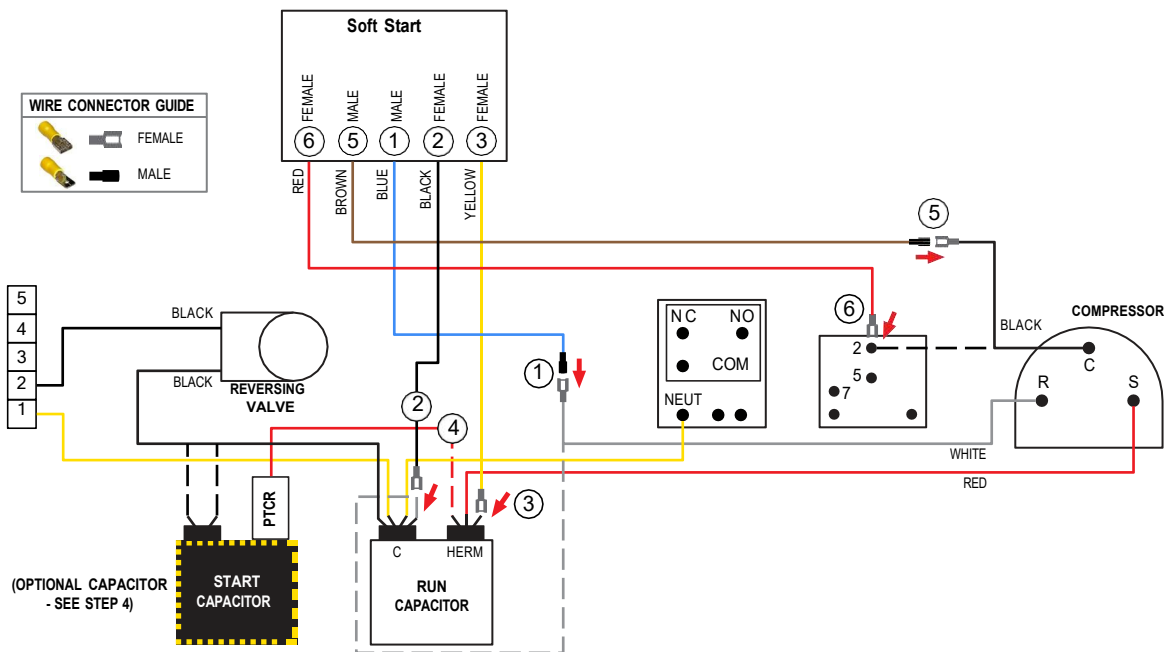
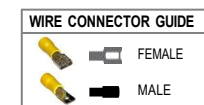
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976A738 (6-20) TB



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor Wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.

Step ② Connect Black SoftStart wire to the terminal that the White Compressor Wire was on.

Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor Wire on HERM Side of Run Capacitor.

Step ④ **IF you see a second Red wire** next to the Red Compressor Wire (from additional Capacitor), disconnect it and seal end with electrical tape.

Step ⑤ Follow Black Compressor Wire to Relay. Disconnect Black wire and connect to Brown SoftStart wire. Tape connection.

Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor Wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

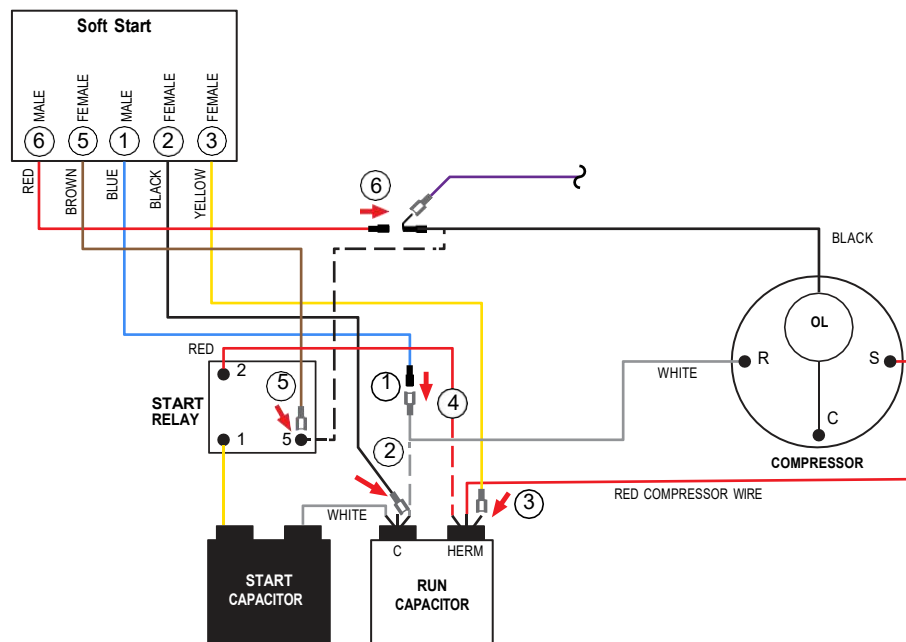
After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976A742 (11-20)

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route Blue, Black and Yellow SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor Wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire.

Step ② Connect Black SoftStart wire to the terminal that the White Compressor Wire was on.

Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor Wire on "Herm" Side of Run Capacitor.

Step ④ **IF you see a second Red wire** next to the Red Compressor Wire, disconnect it and seal end with electrical tape.

Step ⑤ Follow Black Compressor wire to the Start Relay. Disconnect both Black and Purple wires, and connect them to Brown SoftStart wire. Seal connection with electrical tape.

Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor Wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

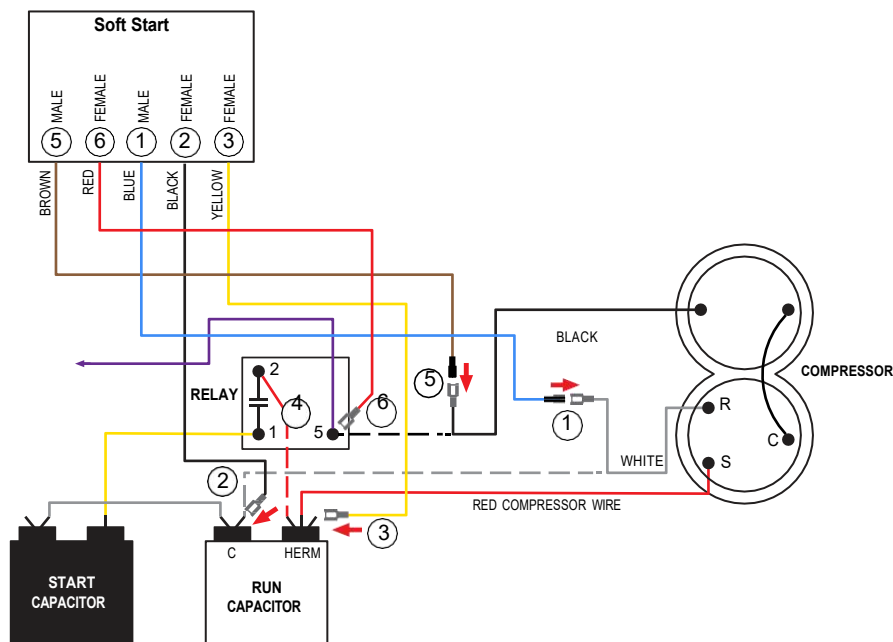
After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Coleman Mach 1976B031 (9-85) Relay

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.
- Step ④ **If there is another Red wire** next to the Red Compressor wire, disconnect it from Run Capacitor. Seal end with electrical tape and drop it.
- Step ⑤ Follow Black Compressor wire to Relay. Disconnect Black wire from Relay and connect to Brown SoftStart wire. Tape connection.
- Step ⑥ Connect Red SoftStart wire onto the Relay terminal that the Black Compressor wire was on.

Secure all wires. Seal connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

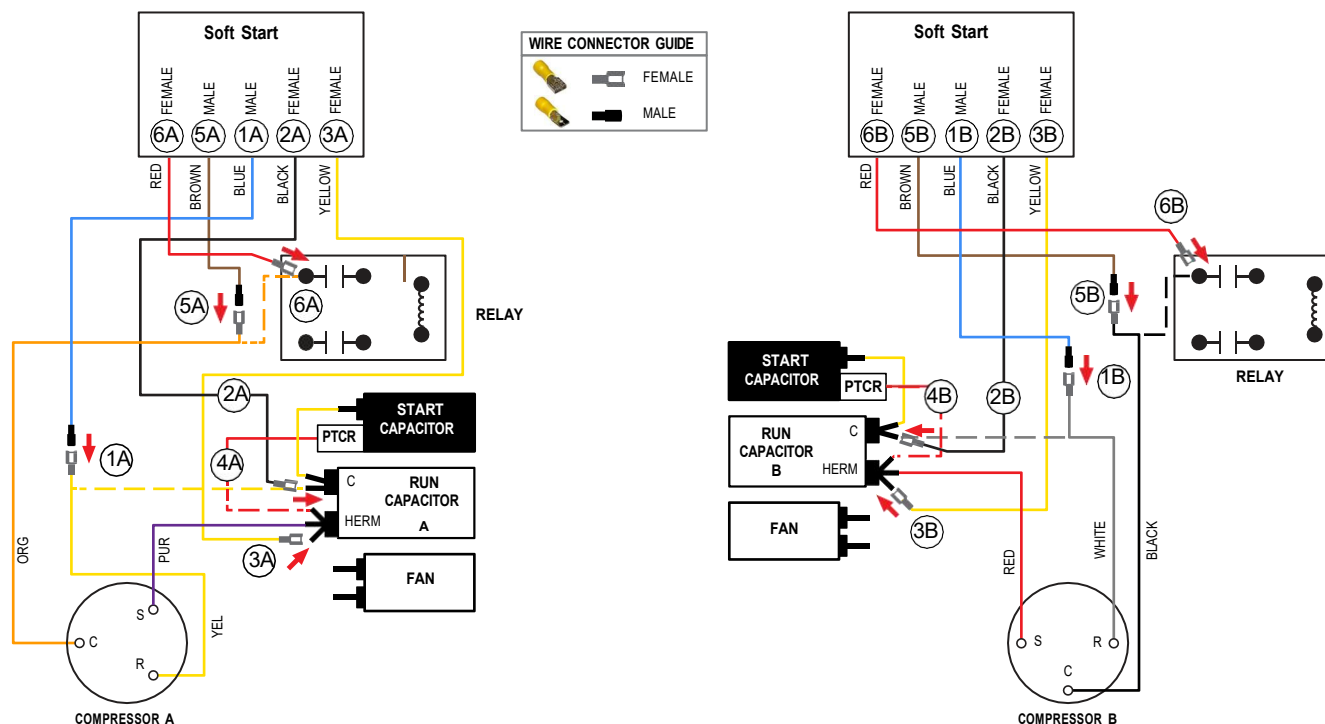
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976B037 Relay



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

NOTE: Instructions are separate for Compressors A and B because wires colors are different. Work with one Compressor and one SoftStart at a time to avoid confusion.

COMPRESSOR A INSTRUCTIONS

- Step ①A Follow the Yellow Compressor wire to the "C" terminal of the Run Capacitor. Disconnect and connect to the Blue SoftStart wire.
- Step ②A Connect Black SoftStart wire to the terminal on the Run Capacitor that the Yellow Compressor wire was on.
- Step ③A Connect the Yellow SoftStart wire on a terminal next to the Purple Compressor wire on the Herm terminals.
- Step ④A Disconnect the PTCR Red wire from the Herm Run Capacitor. Seal end with electrical tape and drop it.
- Step ⑤A Follow Orange Compressor wire to the relay. Disconnect and connect to the Brown SoftStart wire. Tape connection.
- Step ⑥A Connect the Red SoftStart wire on the terminal that the Orange Compressor wire was on.

COMPRESSOR B INSTRUCTIONS

- Step ①B Follow White Compressor wire to "C" terminal of Run Capacitor. Disconnect and connect to Blue Softstart wire. Tape connection.
- Step ②B Connect Black SoftStart wire to the terminal on the Run Capacitor that the White Compressor Wire was on.
- Step ③B Connect Yellow SoftStart wire on a terminal next to the Red Compressor wire.
- Step ④B Disconnect the PTCR Red wire from the Herm Run Capacitor. Seal end with electrical tape and drop it.
- Step ⑤B Follow Black compressor wire to the relay. Disconnect and connect to the Brown SoftStart wire. Tape connection.
- Step ⑥B Connect the Red SoftStart wire on the Terminal the Black Compressor wire was on. Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

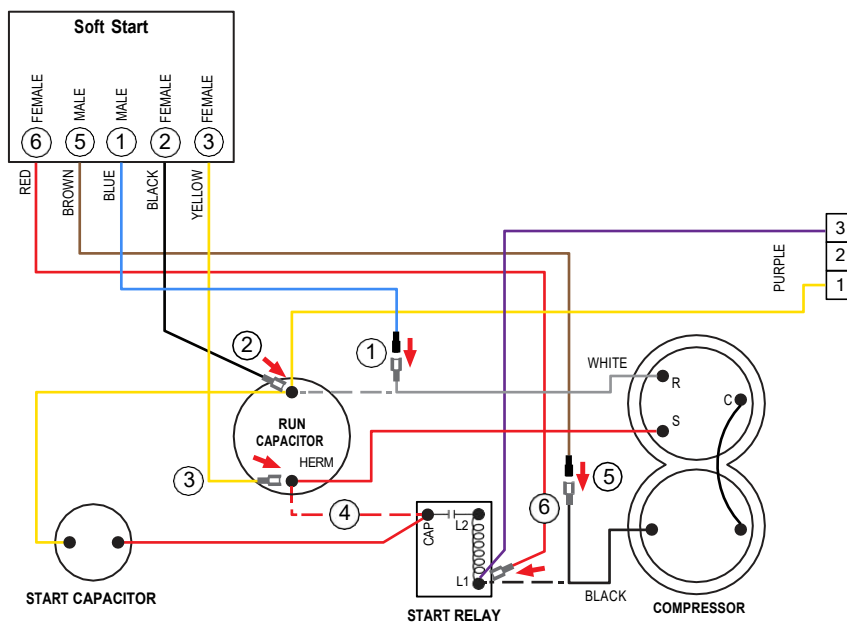
After establishing Green light operation, re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Dual Basement 1976B119 (02-94)

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE

A

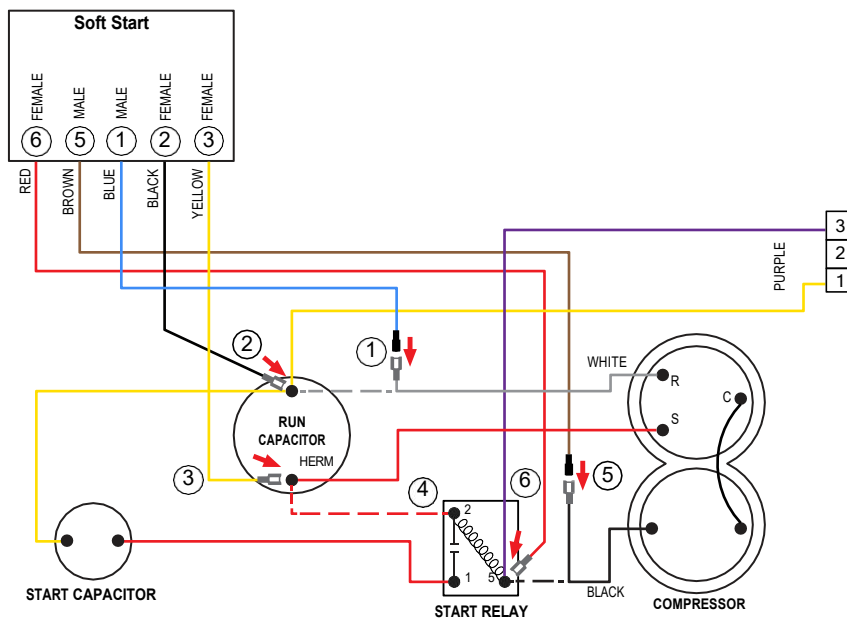
[WITH
TIMED MOTOR
STARTING RELAY]



WIRE CONNECTOR GUIDE	
	FEMALE
	MALE

B

[WITH
POTENTIAL MOTOR
STARTING RELAY]



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

NOTE: The instructions for diagrams A and B are the same. The difference is the type of Start Relay used in the A/C system.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire from Compressor to Run Capacitor. Disconnect from terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.
- Step ④ IF there is a second Red wire next to Red Compressor wire on HERM side of Run Capacitor, disconnect it, seal end with tape and drop it.
- Step ⑤ Follow Black Compressor wire to the Start Relay and disconnect it. Connect Black wire to the Brown SoftStart wire. Tape connection.
- Step ⑥ Connect the Red SoftStart wire onto the terminal that the Black Compressor wire was on.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

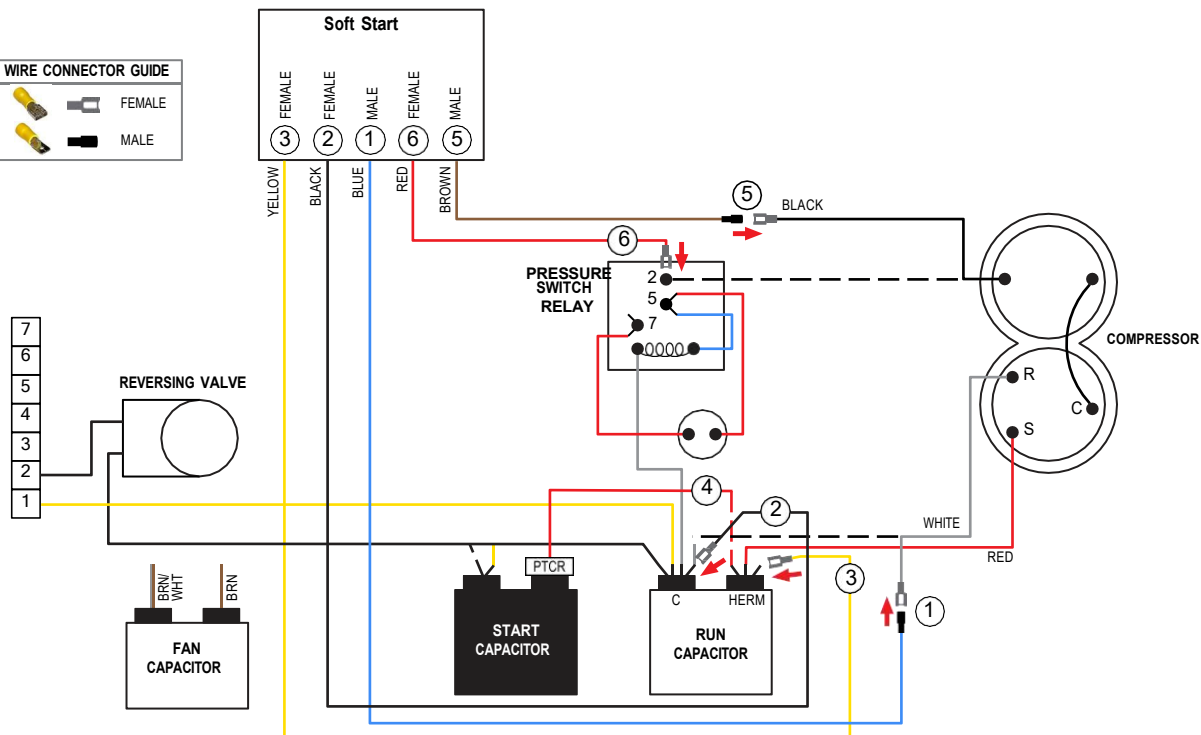
Re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976B136 (2-95)

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE
	FEMALE
	MALE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM terminal of Run Capacitor.
- Step ④ **IF** there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.
- Step ⑤ Follow Black Compressor wire to Pressure Switch Relay. Disconnect it and connect to Brown SoftStart wire. Tape connection.
- Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on. Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976B519 (7-13)



Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step 1. Follow White Compressor wire to Run Capacitor. Disconnect from Run Capacitor and connect to Blue SoftStart wire.

Step 2. Connect Black SoftStart wire to the terminal on the Run Capacitor that the White Compressor wire was on.

Step 3. Disconnect single Red wire next to PTCR (running from Start Capacitor) and tape end with electrical tape. Connect Yellow SoftStart wire on terminal that the Red wire was on.

Step 4. Disconnect PTCR. Disconnect Red wire from PTCR and connect Red wire on terminal that the PTCR was on.

Step 5. Follow Black Compressor wire to Pressure Switch Relay and disconnect it from Relay. Also, disconnect Black Fan wire from Black Compressor wire. Connect Black Compressor wire to Brown SoftStart wire and tape connection with electrical tape.

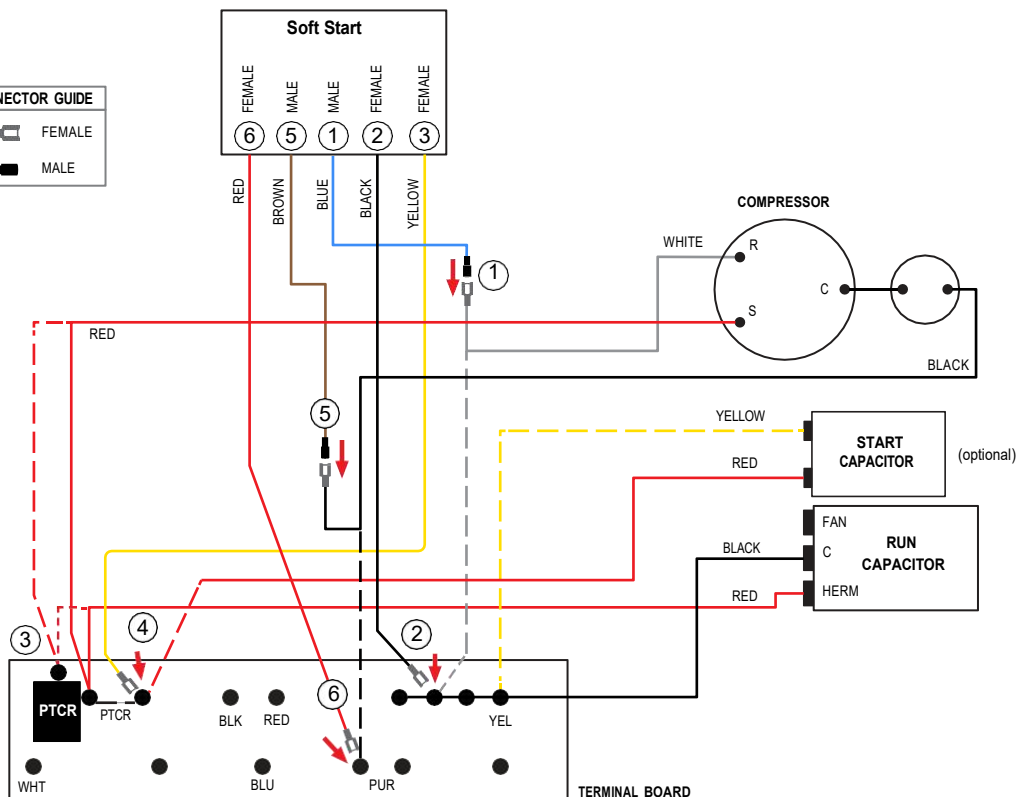
Step 6. Connect Red SoftStart wire to Pressure Switch Relay. Connect Black Fan wire to male Terminal on Red SoftStart wire (use piggyback connector).

Secure wires to prevent Fan from pulling wires in. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be “on”. Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor wire to Terminal Board. Disconnect from Terminal Board and connect to Blue SoftStart wire.

Step ② Connect Black SoftStart wire to the terminal on the Terminal Board that the White Compressor Wire was on.

Step ③ Disconnect black PTCR from board. Disconnect the double Red wires from PTCR and connect them to PTCR terminal (stamped on Terminal Board).

Step ④ Disconnect the single Red wire on terminal next to PTCR and seal end with tape. Connect Yellow SoftStart wire to the terminal that the single Red wire was on.

Step ⑤ Disconnect Black Compressor wire from Terminal Board. Connect Black Compressor wire to Brown SoftStart wire and tape connection with electrical tape.

Step ⑥ Connect Red SoftStart wire to the terminal that the Black Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

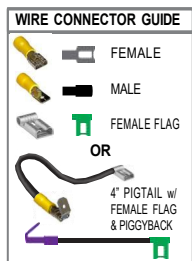
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

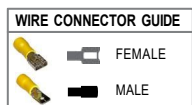
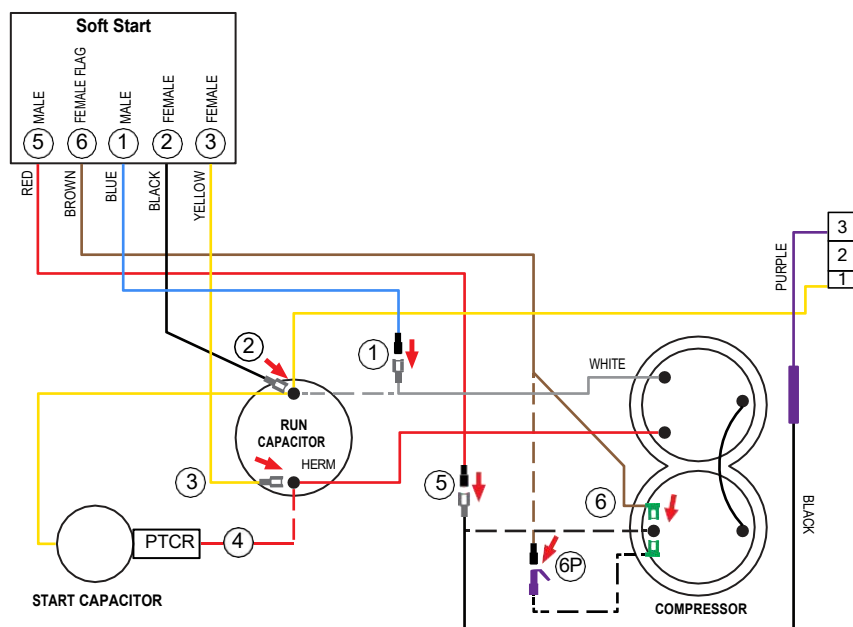
Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

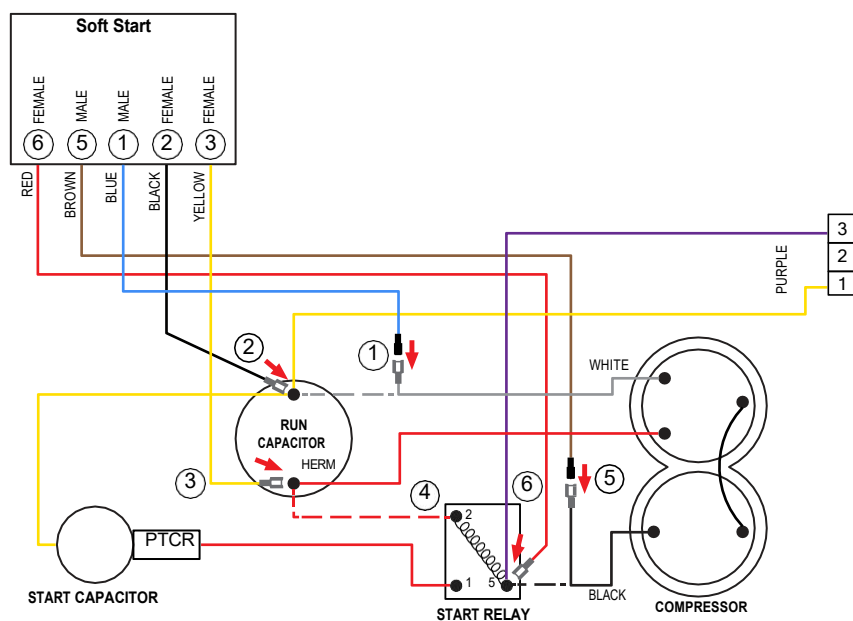
Wiring Diagram for Coleman Mach 1976B613 (01-16) TB



A
[WITHOUT
START RELAY]



B
[INCLUDES
START RELAY]



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

- A** Route Blue, Black and Yellow SoftStart wires into the electrical box. Route the Brown and Red wires to the top of the Compressor. Crimp connectors onto ends of SoftStart wires as indicated in drawing.
- Step ① Follow White Compressor wire from Compressor to Run Capacitor. Disconnect from terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.
- Step ④ **IF** there is a second Red wire next to Red Compressor wire on HERM side of Run Capacitor, disconnect it, seal end with tape and drop it.
- Step ⑤ Remove the Compressor Cap. Disconnect Black wire and connect to Red SoftStart wire. Tape connection. **Do not put wires back under cap.**
- Step ⑥ Connect Brown SoftStart wire (with Female Flag connector) onto the terminal that the Black Compressor wire was on. Route Brown SoftStart wire out with Red and White Compressor wires. Replace cap.
- Step ⑦ [OPTIONAL] Connect Female Flag end of 4" PigTail onto the terminal that the Black Compressor wire was on. Crimp Male connector onto Brown SoftStart wire, then connect it to Female side of Piggyback connector. Break off unused tangent from Piggyback connector. Route Pigtail wire out with Red and White wires and replace cap.

- B** Route all SoftStart wires into the electrical box. Crimp connectors onto ends of SoftStart wires as indicated in drawing. Repeat Steps 1 through 4 from instructions above.

Step ⑤ Follow Black Compressor wire to the Start Relay and disconnect it. Connect Black wire to the Brown SoftStart wire. Tape connection.

Step ⑥ Connect the Red SoftStart wire onto the terminal that the Black Compressor wire was on.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

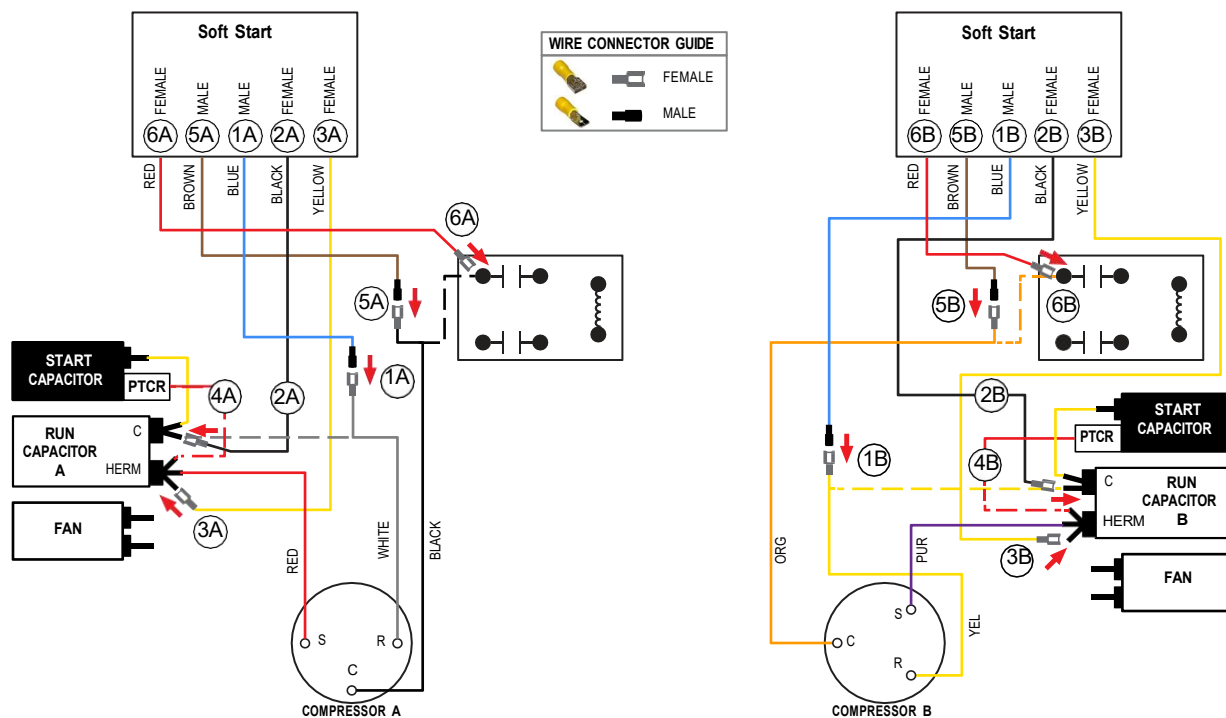
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

Re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976C136 (08-97)



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

NOTE: Instructions are separate for Compressors A and B because wires colors are different. Work with one Compressor and one SoftStart at a time to avoid confusion.

COMPRESSOR A INSTRUCTIONS

- Step 1A Follow White Compressor wire to "C" terminal of Run Capacitor. Disconnect and connect to Blue SoftStart wire. Tape connection.
- Step 2A Connect Black SoftStart wire to the terminal on the Run Capacitor that the White Compressor Wire was on.
- Step 3A Connect Yellow SoftStart wire on a terminal next to the Red Compressor wire.
- Step 4A Disconnect the PTCR Red wire from the Herm Run Capacitor. Seal end with electrical tape and drop it.
- Step 5A Follow Black compressor wire to the relay. Disconnect and connect to the Brown SoftStart wire. Tape connection.
- Step 6A Connect the Red SoftStart wire on the Terminal the Black Compressor wire was on.

COMPRESSOR B INSTRUCTIONS

- Step 1B Follow the Yellow Compressor wire to the "C" terminal of the Run Capacitor. Disconnect and connect to the Blue SoftStart wire.
- Step 2B Connect Black SoftStart wire to the terminal on the Run Capacitor that the Yellow Compressor wire was on.
- Step 3B Connect the Yellow SoftStart wire on a terminal next to the Purple Compressor wire on the Herm terminals.
- Step 4B Disconnect the PTCR Red wire from the Herm Run Capacitor. Seal end with electrical tape and drop it.
- Step 5B Follow Orange Compressor wire to the relay. Disconnect and connect to the Brown SoftStart wire. Tape connection.
- Step 6B Connect the Red SoftStart wire on the terminal that the Orange Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

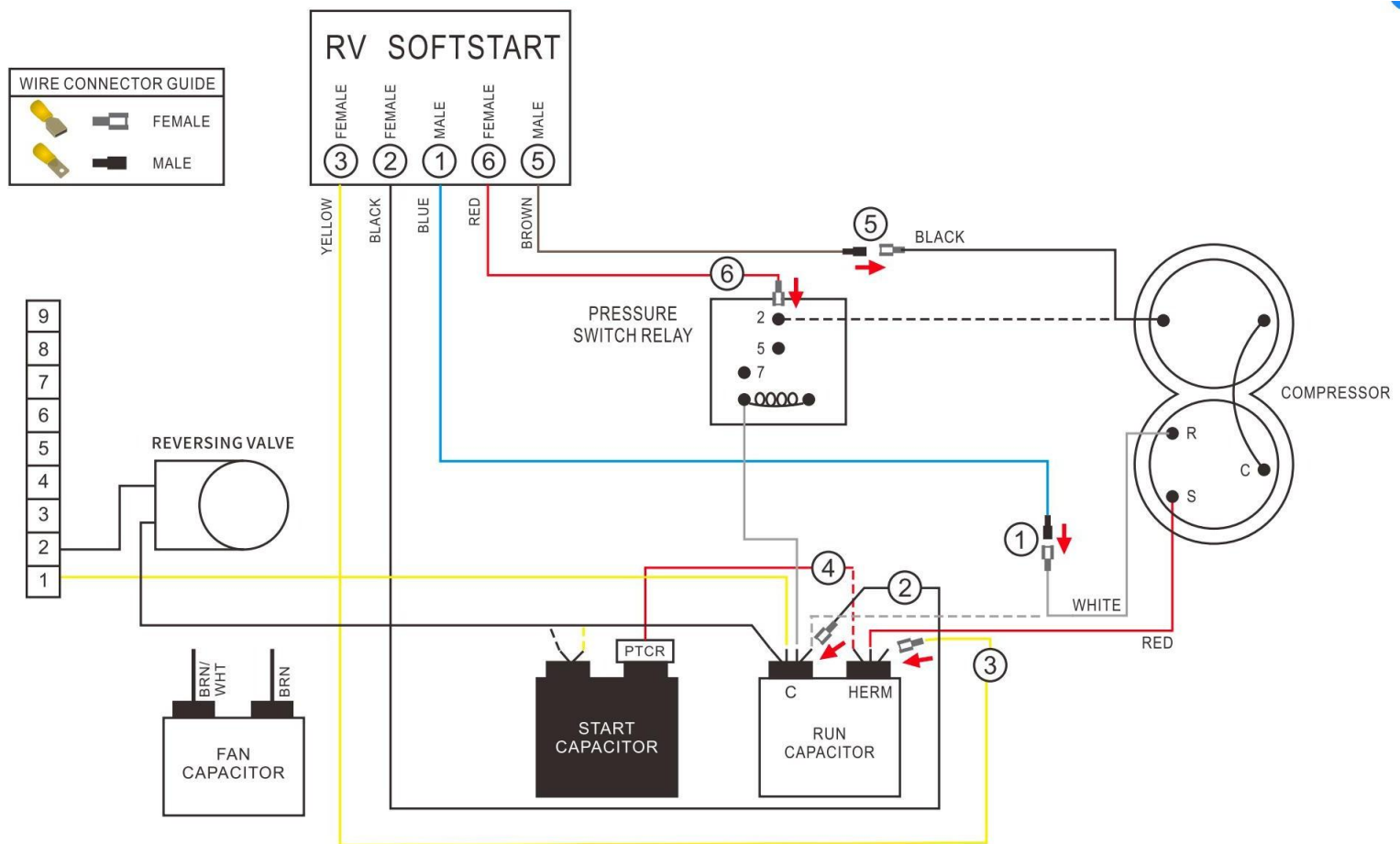
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on).

IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Dual Basement 1976C304 (12-00)



Wiring Diagram for Coleman Mach 1976C519

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step 1. Follow White Compressor wire from Compressor to Run Capacitor “C” terminal. Disconnect from “C” terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.

Step 2. Connect Black SoftStart wire to the terminal that the White Compressor wire was on.

Step 3. Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM terminal of Run Capacitor.

Step 4. IF there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.

Step 5. Follow Black Compressor wire to Pressure Switch Relay terminal. Disconnect it and connect to Brown SoftStart wire. Tape connection.

Step 6. Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on.

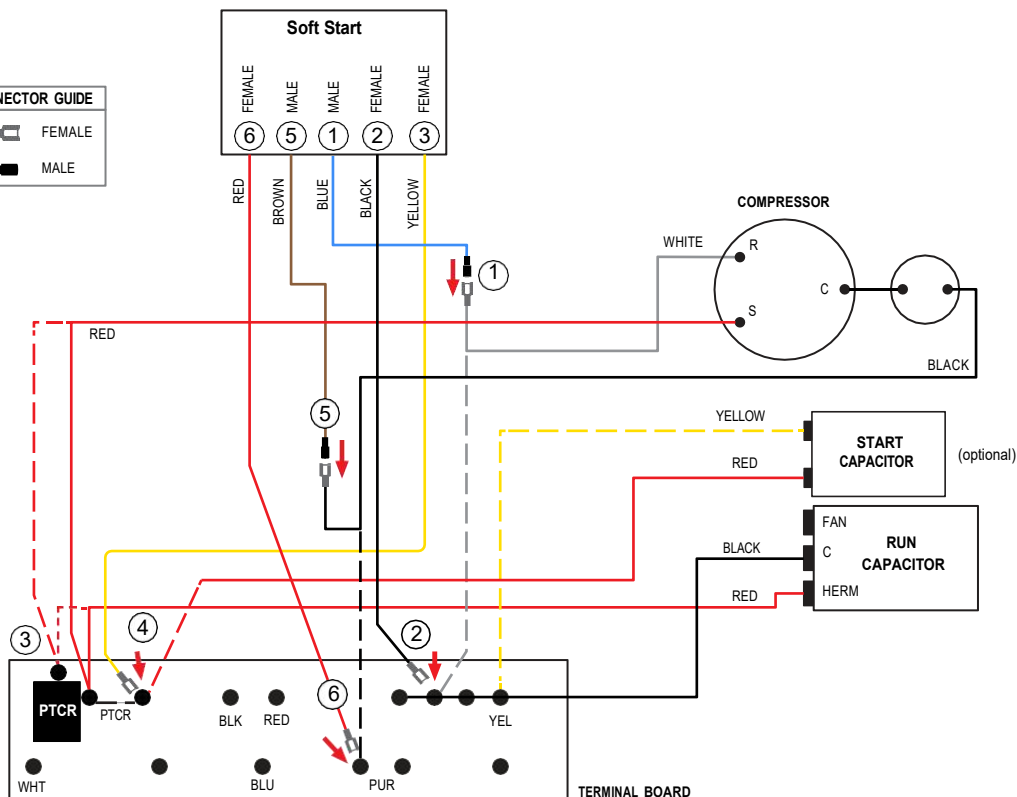
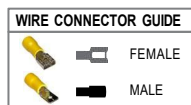
Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be “on”. Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor wire to Terminal Board. Disconnect from Terminal Board and connect to Blue SoftStart wire.

Step ② Connect Black SoftStart wire to the terminal on the Terminal Board that the White Compressor wire was on.

Step ③ Disconnect black PTCR from board. Disconnect the double Red wires from PTCR and connect them to PTCR terminal (stamped on Terminal Board).

Step ④ Disconnect the single Red wire on terminal next to PTCR and seal end with tape. Connect Yellow SoftStart wire to the terminal that the single Red wire was on.

Step ⑤ Disconnect Black Compressor wire from Terminal Board. Connect Black Compressor wire to Brown SoftStart wire and tape connection with electrical tape.

Step ⑥ Connect Red SoftStart wire to the terminal that the Black Compressor Wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

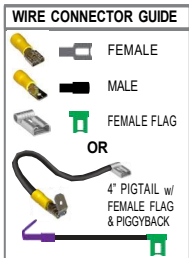
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

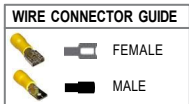
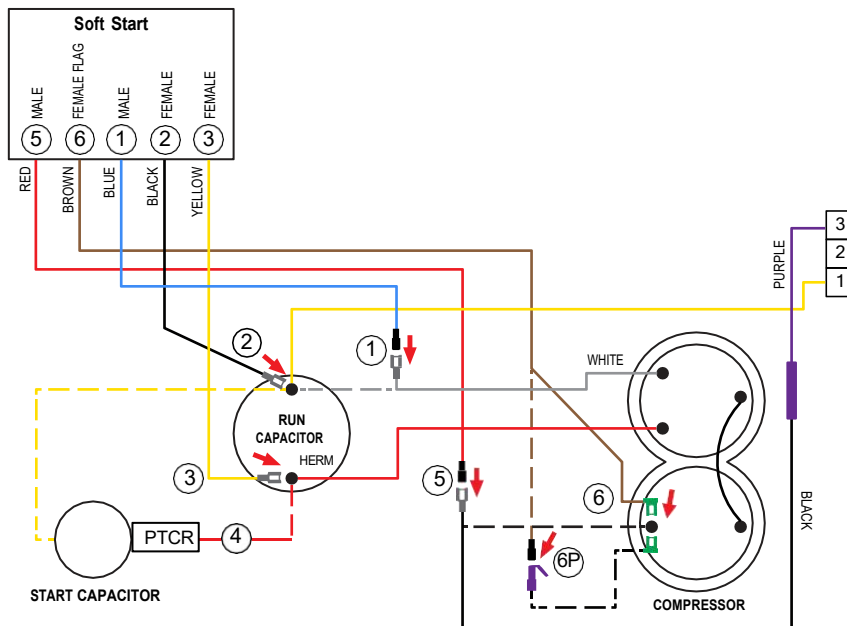
Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

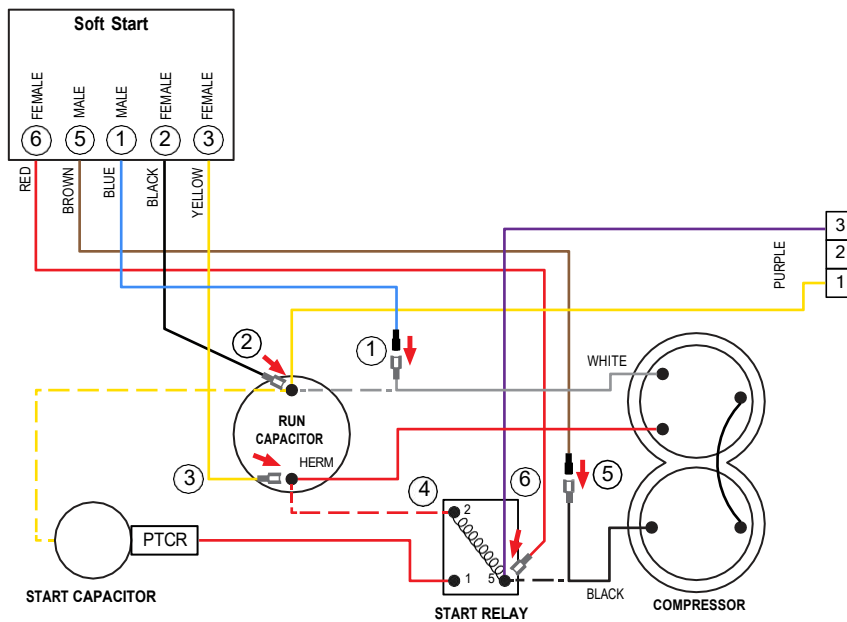
Wiring Diagram for Coleman Mach 1976C613 (05-17) TB



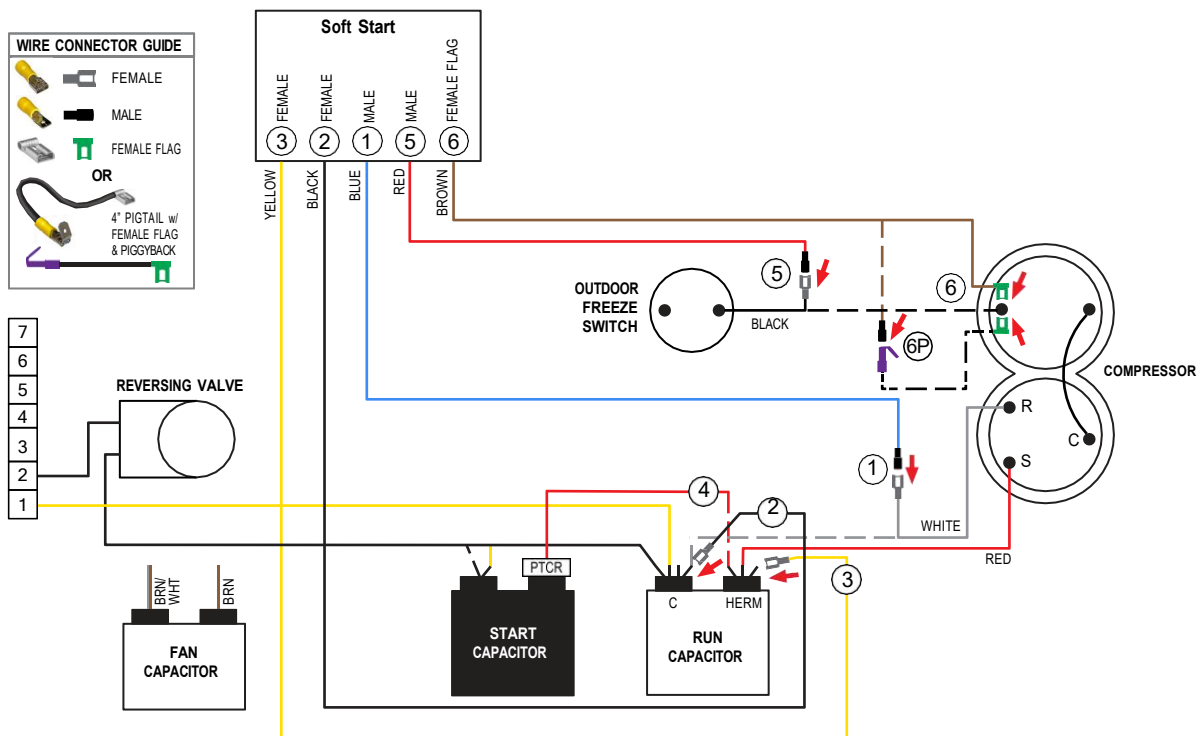
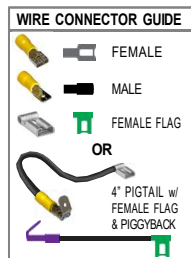
A
[WITHOUT
START RELAY]



B
[INCLUDES
START RELAY]



Wiring Diagram for Coleman Mach 1976D136 (4-09)



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM terminal of Run Capacitor.
- Step ④ **IF** there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.
- Step ⑤ Remove the Compressor Cap. Disconnect Black wire and connect to Red SoftStart wire. Tape connection. **Do not put wires back under cap.**
- Step ⑥ Connect Brown SoftStart wire (with Female Flag connector) onto the terminal that the Black Compressor wire was on. Route Brown SoftStart wire out with Red and White Compressor wires. Replace cap.
- Step ⑥P [OPTIONAL] Connect Female Flag end of 4" PigTail onto the terminal that the Black Compressor wire was on. Crimp Male connector onto Brown SoftStart wire, then connect it to Female side of Piggyback connector. Break off unused tangent from Piggyback connector. Route Pigtail wire out with Red and White wires and replace cap.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

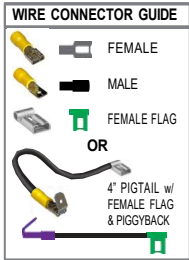
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

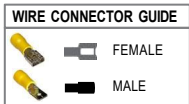
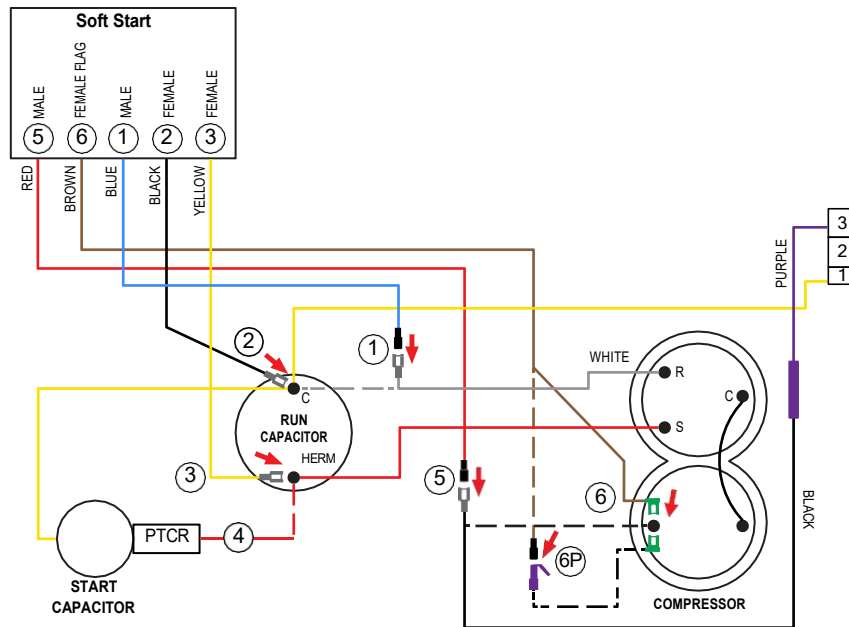
Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

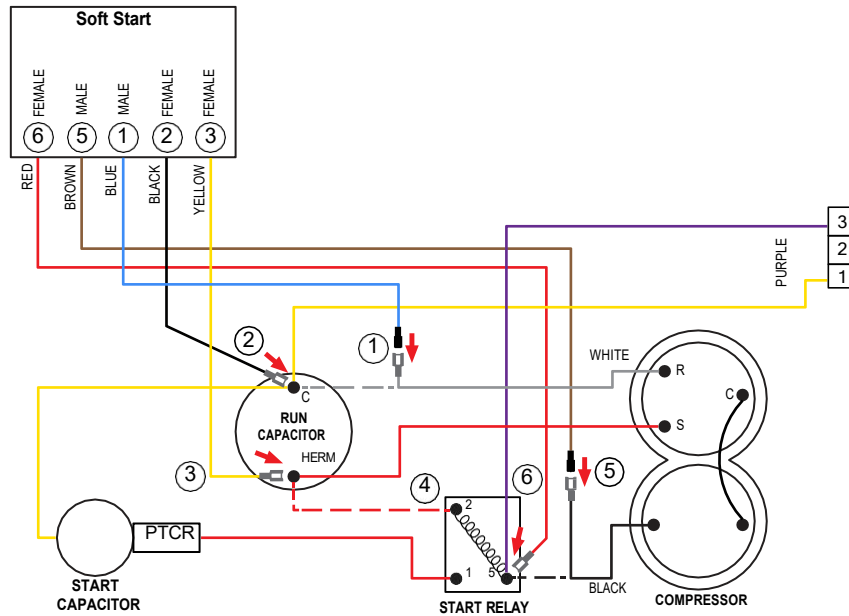
Wiring Diagram for Coleman Mach 1976D519 (6-14)



A
[WITHOUT
START RELAY]



B
[INCLUDES
START RELAY]



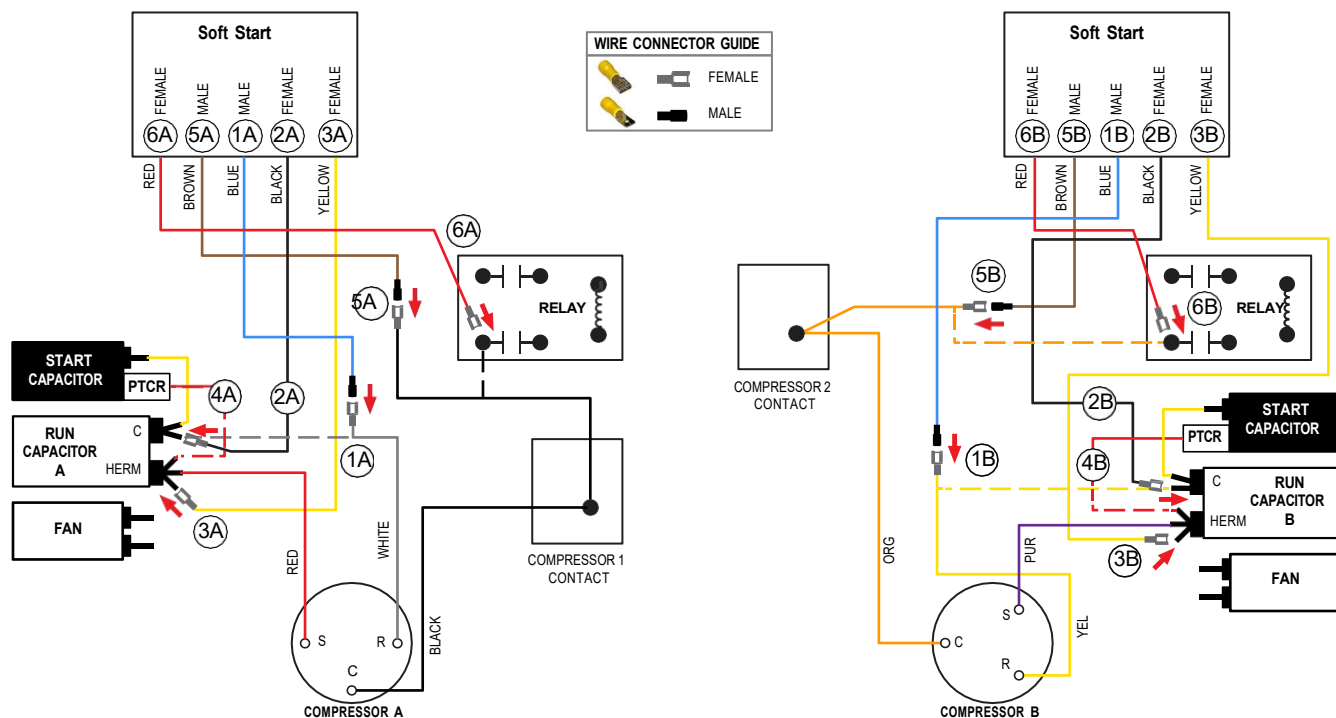
TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

- A** Route Blue, Black and Yellow SoftStart wires into the electrical box. Route the Brown and Red wires to the top of the Compressor. Crimp connectors onto ends of SoftStart wires as indicated in drawing.
- Step ① Follow White Compressor wire from Compressor to Run Capacitor. Disconnect from terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.
- Step ④ **IF** there is a second Red wire next to Red Compressor wire on HERM side of Run Capacitor, disconnect it, seal end with tape and drop it.
- Step ⑤ Remove the Compressor Cap. Disconnect Black wire and connect to Red SoftStart wire. Tape connection. **Do not put wires back under cap.**
- Step ⑥ Connect Brown SoftStart wire (with Female Flag connector) onto the terminal that the Black Compressor wire was on. Route Brown SoftStart wire out with Red and White Compressor wires. Replace cap.
- Step ⑦ [OPTIONAL] Connect Female Flag end of 4" PigTail onto the terminal that the Black Compressor wire was on. Crimp Male connector onto Brown SoftStart wire, then connect it to Female side of Piggyback connector. Break off unused tangent from Piggyback connector. Route Pigtail wire out with Red and White wires and replace cap.

- B** Route all SoftStart wires into the electrical box. Crimp connectors onto ends of SoftStart wires as indicated in drawing. Repeat Steps 1 through 4 from instructions above.

- Step ⑧ Follow Black Compressor wire to the Start Relay and disconnect it. Connect Black wire to the Brown SoftStart wire. Tape connection.
- Step ⑨ Connect the Red SoftStart wire onto the terminal that the Black Compressor wire was on.
- Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.
- Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.
- Re-install all A/C covers.
- Turn A/C on, set near to outdoor temperature and run for 30 minutes.
- After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976E136 (2-14)



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

NOTE: Instructions are separate for Compressors A and B because wires colors are different. Work with one Compressor and one SoftStart at a time to avoid confusion.

COMPRESSOR A INSTRUCTIONS

- Step ①A Follow White Compressor wire to "C" terminal of Run Capacitor. Disconnect and connect to Blue Softstart wire. Tape connection.
- Step ②A Connect Black SoftStart wire to the terminal on the Run Capacitor that the White Compressor Wire was on.
- Step ③A Connect Yellow SoftStart wire on a terminal next to the Red Compressor wire.
- Step ④A Disconnect the PTCR Red wire from the Herm Run Capacitor. Seal end with electrical tape and drop it.
- Step ⑤A Follow Black Compressor wire to the relay. Disconnect and connect to the Brown SoftStart wire. Tape connection.
- Step ⑥A Connect the Red SoftStart wire on the Terminal the Black Compressor wire was on.

COMPRESSOR B INSTRUCTIONS

- Step ①B Follow the Yellow Compressor wire to the "C" terminal of the Run Capacitor. Disconnect and connect to the Blue SoftStart wire.
- Step ②B Connect Black SoftStart wire to the terminal on the Run Capacitor that the Yellow Compressor wire was on.
- Step ③B Connect the Yellow SoftStart wire on a terminal next to the Purple Compressor wire on the Herm terminals.
- Step ④B Disconnect the PTCR Red wire from the Herm Run Capacitor. Seal end with electrical tape and drop it.
- Step ⑤B Follow Orange Compressor wire to the relay. Disconnect and connect to the Brown SoftStart wire. Tape connection.
- Step ⑥B Connect the Red SoftStart wire on the terminal that the Orange Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

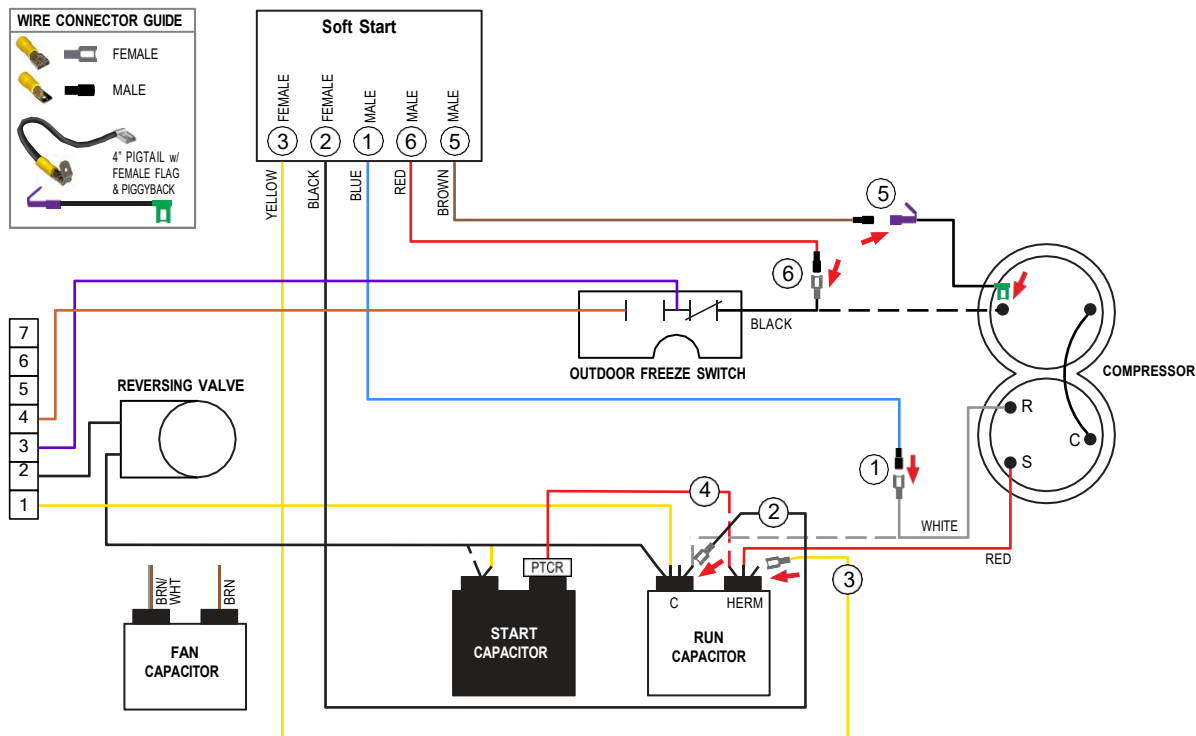
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on).

IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Dual Basement 1976E304 (7-03)



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM terminal of Run Capacitor.
- Step ④ **IF** there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with electrical tape and drop it.
- Step ⑤ Remove the Compressor Cap. Disconnect Black wire from Overload (OL) terminal. Connect Female Flag end of 4" Pigtail onto the terminal that the Black Compressor wire was on. Connect Brown SoftStart wire to Female side of Piggyback connector. Break off unused tangent from Piggyback connector. Tape connection or use heat-shrink sleeve to cover connection (no metal should be exposed). **Do not put wires back under cap.** Replace cap.
- Step ⑥ Connect Red SoftStart wire onto the Black wire end that was connected to the Compressor. Tape connection (no metal should be exposed).

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

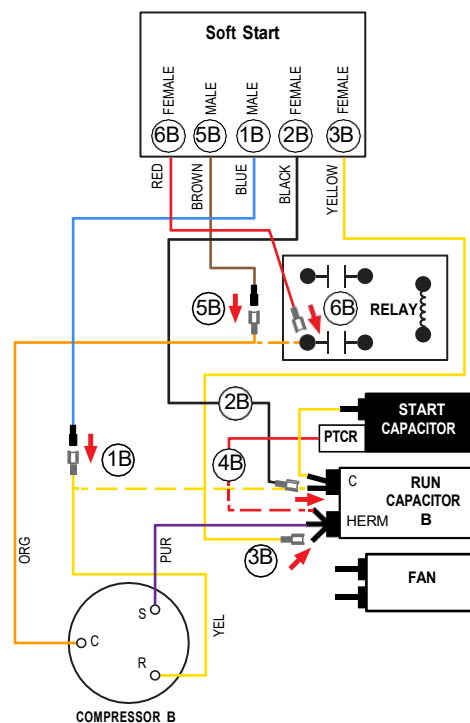
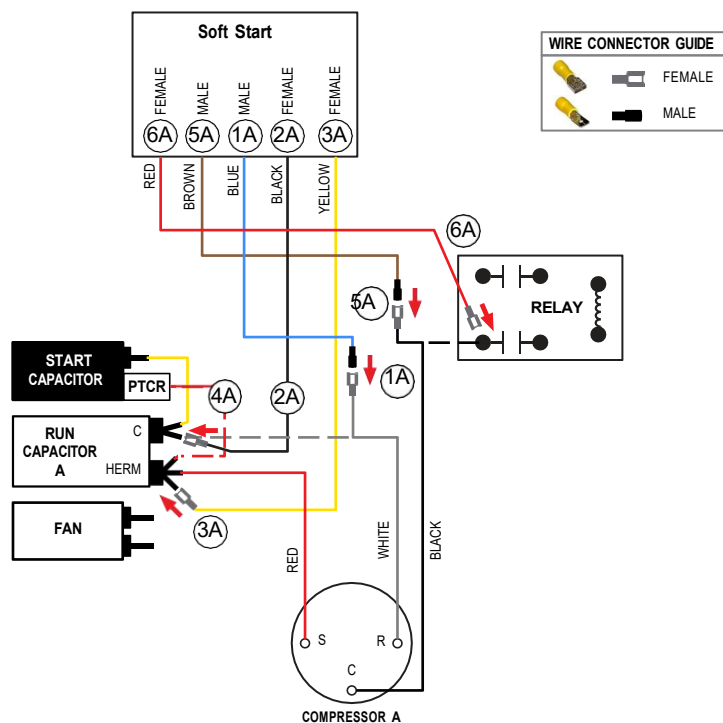
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach 1976E519 MODIFIED 7-22



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

NOTE: Instructions are separate for Compressors A and B because wires colors are different. Work with one Compressor and one SoftStart at a time to avoid confusion.

COMPRESSOR A INSTRUCTIONS

Step 1A Follow White Compressor wire to "C" terminal of Run Capacitor. Disconnect and connect to Blue SoftStart wire. Tape connection.

Step 2A Connect Black SoftStart wire to the terminal on the Run Capacitor that the White Compressor Wire was on.

Step 3A Connect Yellow SoftStart wire on a terminal next to the Red Compressor wire.

Step 4A Disconnect the PTZR Red wire from the Herm Run Capacitor. Seal end with electrical tape and drop it.

Step 5A Follow Black compressor wire to the relay. Disconnect and connect to the Brown SoftStart wire. Tape connection.

Step 6A Connect the Red SoftStart wire on the Terminal the Black Compressor wire was on.

COMPRESSOR B INSTRUCTIONS

Step 1B Follow the Yellow Compressor wire to the "C" terminal of the Run Capacitor. Disconnect and connect to the Blue SoftStart wire.

Step 2B Connect Black SoftStart wire to the terminal on the Run Capacitor that the Yellow Compressor wire was on.

Step 3B Connect the Yellow SoftStart wire on a terminal next to the Purple Compressor wire on the Herm terminals.

Step 4B Disconnect the PTZR Red wire from the Herm Run Capacitor. Seal end with electrical tape and drop it.

Step 5B Follow Orange Compressor wire to the relay. Disconnect and connect to the Brown SoftStart wire. Tape connection.

Step 6B Connect the Red SoftStart wire on the terminal that the Orange Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

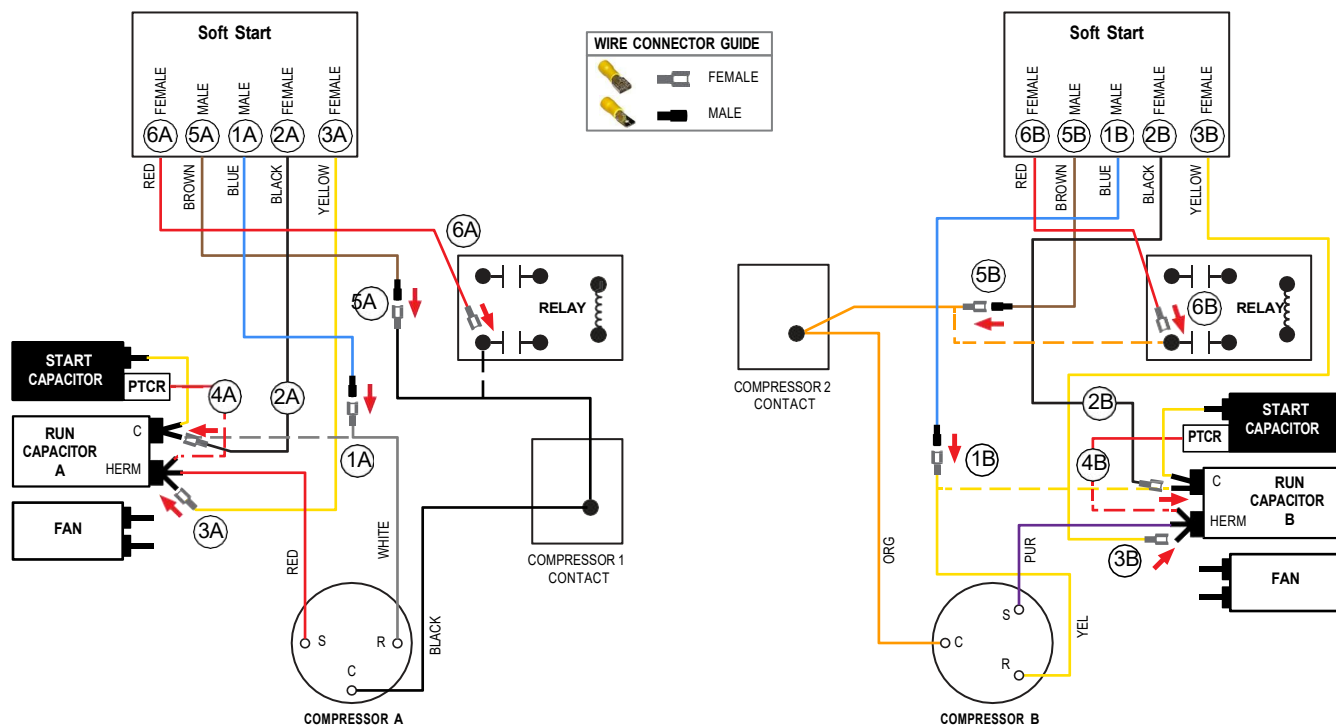
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on).

IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Dual Basement 1976F304 (09-09) Relay



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

NOTE: Instructions are separate for Compressors A and B because wires colors are different. Work with one Compressor and one SoftStart at a time to avoid confusion.

COMPRESSOR A INSTRUCTIONS

- Step ①A Follow White Compressor wire to "C" terminal of Run Capacitor. Disconnect and connect to Blue SoftStart wire. Tape connection.
- Step ②A Connect Black SoftStart wire to the terminal on the Run Capacitor that the White Compressor Wire was on.
- Step ③A Connect Yellow SoftStart wire on a terminal next to the Red Compressor wire.
- Step ④A Disconnect the PTCR Red wire from the Herm Run Capacitor. Seal end with electrical tape and drop it.
- Step ⑤A Follow Black Compressor wire to the relay. Disconnect and connect to the Brown SoftStart wire. Tape connection.
- Step ⑥A Connect the Red SoftStart wire on the Terminal the Black Compressor wire was on.

COMPRESSOR B INSTRUCTIONS

- Step ①B Follow the Yellow Compressor wire to the "C" terminal of the Run Capacitor. Disconnect and connect to the Blue SoftStart wire.
- Step ②B Connect Black SoftStart wire to the terminal on the Run Capacitor that the Yellow Compressor wire was on.
- Step ③B Connect the Yellow SoftStart wire on a terminal next to the Purple Compressor wire on the Herm terminals.
- Step ④B Disconnect the PTCR Red wire from the Herm Run Capacitor. Seal end with electrical tape and drop it.
- Step ⑤B Follow Orange Compressor wire to the relay. Disconnect and connect to the Brown SoftStart wire. Tape connection.
- Step ⑥B Connect the Red SoftStart wire on the terminal that the Orange Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

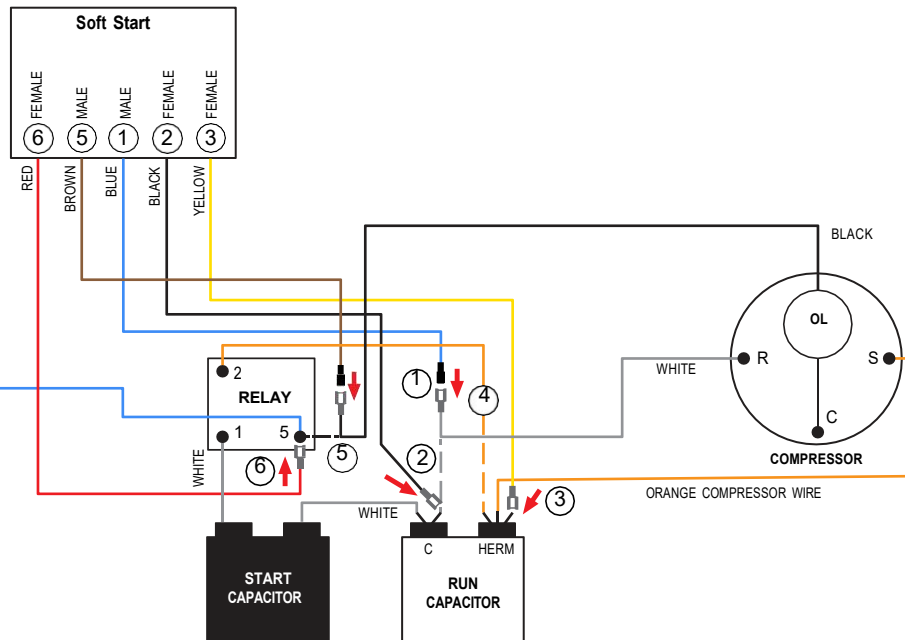
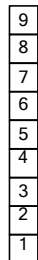
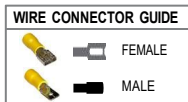
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on).

IF there is no Green light after 4 minutes, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes. After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Dual Basement 1976G304



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.

Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.

Step ③ Connect Yellow SoftStart wire on terminal next to Orange Compressor Wire on HERM side of Run Capacitor.

Step ④ Follow Orange wire from Relay to HERM side of Run Capacitor and disconnect it. Seal end with electrical tape.

Step ⑤ Follow Black Compressor wire to Relay. Disconnect Black wire and connect to Brown SoftStart wire. Tape connection.

Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

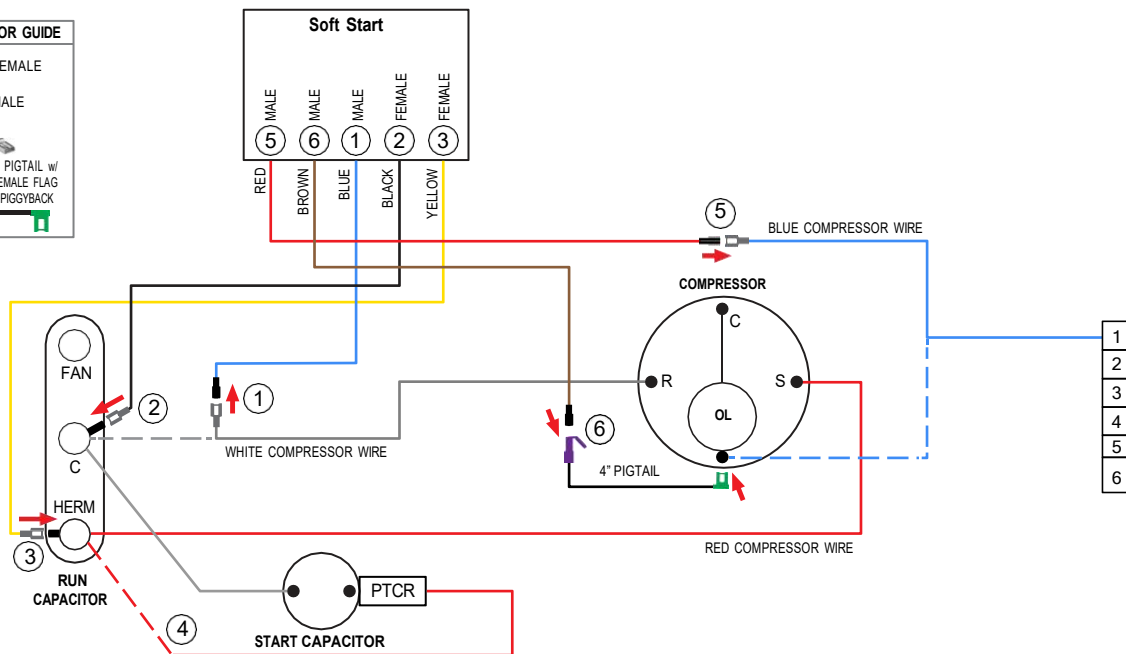
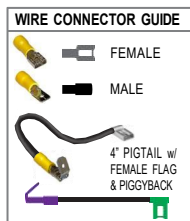
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Coleman Mach N22531



TURN OFF ALL POWER BEFORE STARTING INSTALLATION.

Route Blue, Black and Yellow SoftStart wires into the electrical box. Route Brown and Red SoftStart wires to the top of the Compressor. Crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire.

Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.

Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM Side of Run Capacitor.

Step ④ **IF you see a second Red wire** next to the Red Compressor wire, disconnect it and seal end with electrical tape.

Step ⑤ Remove Compressor cap. Disconnect Blue Compressor wire and connect to Red SoftStart wire. Tape connection.

NOTE: Do not place wires back under the Compressor cap.

Step ⑥ Connect Female Flag end of 4" Pigtail onto the terminal that the Blue Compressor wire was on. Connect Brown SoftStart wire to Female side of Piggyback connector. Break off unused tangent from Piggyback connector. Route Pigtail wire out with Red and White wires and replace cap.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for All Dometic RV A/Cs

Other Manufacturer

Advent

- Advent Air

Atwood

- Atwood

Carrier

- Carrier

Emerson

- Emerson 13.5 Relay

Furrion

- Furrion Chill Air 14.5 TB

GE

- GE Straight AC
- GE AC ARC 13AAC, AHC, 15AAC
- GE AC 802021190271 GE AC CRV-15CBR1-TW+6.PM-4A TB

Houghton-Belaire

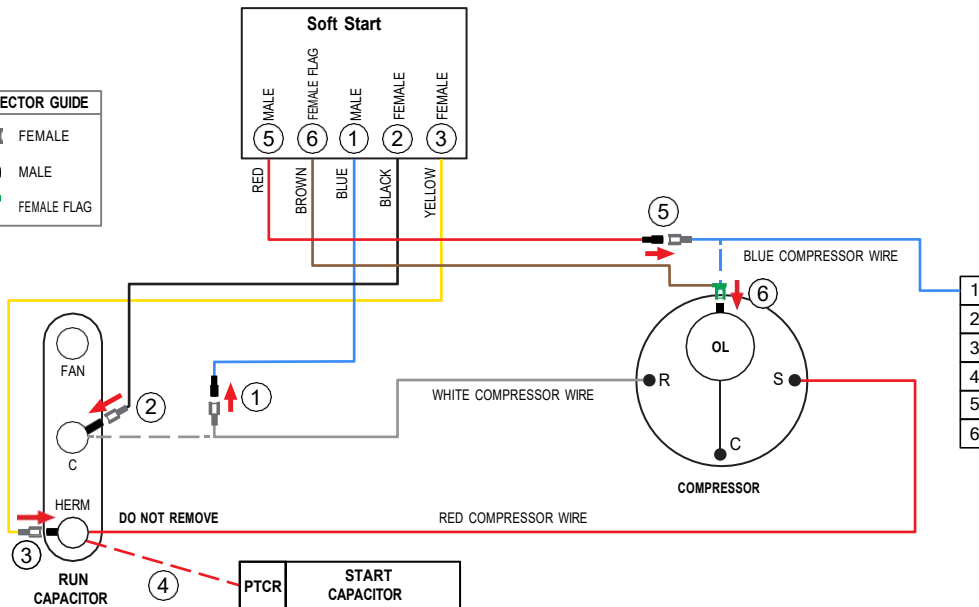
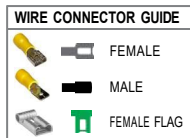
- Houghton-Belaire A3400-A3401 Relay
- Houghton-Belaire 2801 Relay
- Houghton-Belaire 2821 Relay

Intertherm

- Intertherm SCH-RV A Series
- Intertherm ARY-HMR Series

LG

- LG MEZ65238817



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route Blue, Black and Yellow SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor Wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire.

Step ② Connect Black SoftStart wire to the terminal that the White Compressor Wire was on.

Step ③ Connect Yellow SoftStart wire on a terminal next to Red Compressor Wire on "Herm" Side of Run Capacitor.

Step ④ **IF you see a second Red wire** next to the Red Compressor Wire, disconnect it and seal end with electrical tape.

Step ⑤ Remove Compressor cap. Disconnect Blue Compressor Wire and connect to Red SoftStart wire. Tape connection.

NOTE: Do not place wires back under the Compressor cap.

Step ⑥ Crimp Female flag on end of Brown SoftStart wire. Connect Brown SoftStart wire on the Compressor terminal that the Blue wire was on. Route wire to exit cap with White and Red wires. Replace cap.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and the thermostat to 55°F.

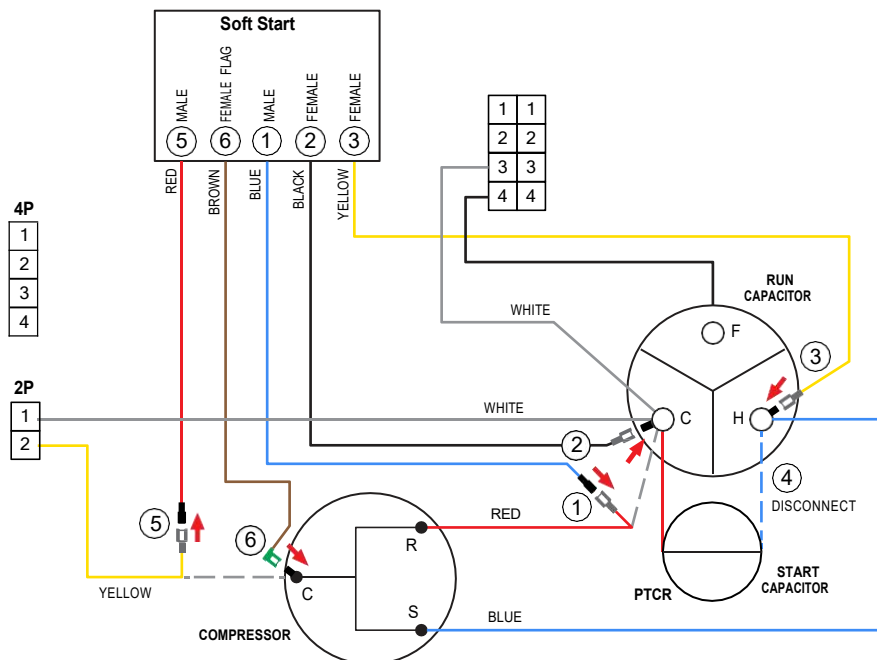
Look at SoftStart LED lights. Green light should be "On" (green light means the Compressor is running).

Green light should turn "Off" during shut down. Re-install all A/C covers. Turn A/C back on and run for 30 minutes.

IF there is no Green light, call SoftStart Tech Support for assistance.

Wiring Diagram for Advent Air Flag NC

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE
	FEMALE FLAG



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route ALL SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow Red Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire.
- Step ② Connect Black SoftStart wire to the terminal that the Red Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on a terminal next to Blue Compressor Wire on "H" Herm terminal of Run Capacitor.
- Step ④ Disconnect Blue Start Capacitor wire next to Blue Compressor wire on "H" Herm terminal. Seal end with electrical tape and drop it.
- Step ⑤ Remove Compressor cap. Disconnect Yellow Compressor Wire and connect to Red SoftStart wire. Tape connection.

NOTE: Do not place wires back under the Compressor cap.

- Step ⑥ Crimp Female flag on end of Brown SoftStart wire. Connect Brown SoftStart wire on the Compressor terminal that the Yellow wire was on. Route Brown wire to exit cap with Red and Blue wires. Replace cap.

Secure all wires to prevent fan from pulling wires into it. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and the thermostat to 55°F.

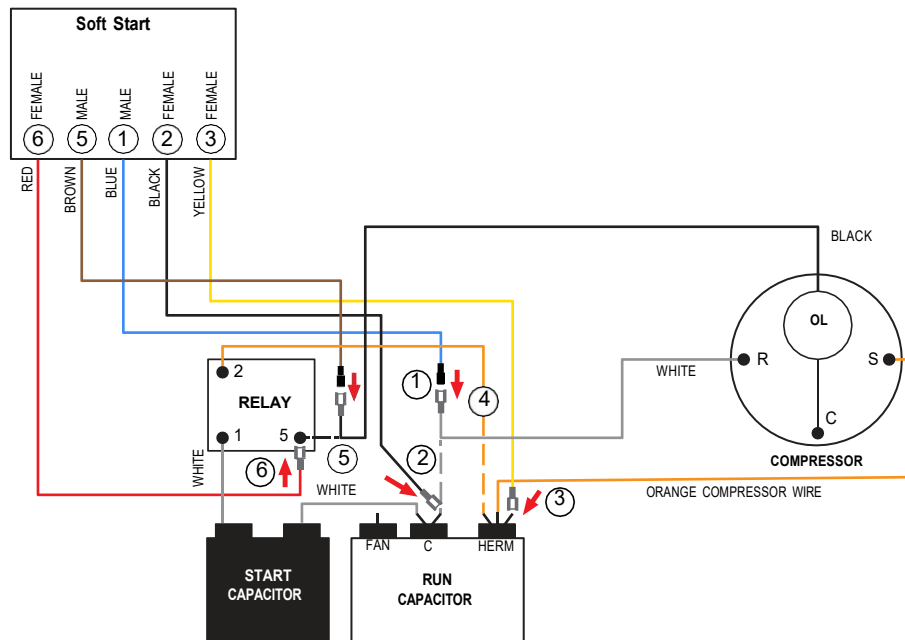
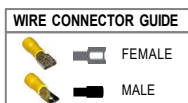
Look at SoftStart LED lights. Green light should be "On" (green light means the Compressor is running). It may take 3 minutes before Green light turns "On."

Green light should turn "Off" during shut down. Re-install all A/C covers.

Turn A/C back on and run for 30 minutes.

IF there is no Green light, call SoftStart Tech Support for assistance.

Wiring Diagram for Carrier RV Air Conditioner



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Orange Compressor wire on HERM side of Run Capacitor.
- Step ④ Follow Orange wire from Relay to HERM side of Run Capacitor and disconnect it. Seal end with electrical tape.
- Step ⑤ Follow Black Compressor wire to Relay. Disconnect Black wire and connect to Brown SoftStart wire. Tape connection.
- Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on.
- Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

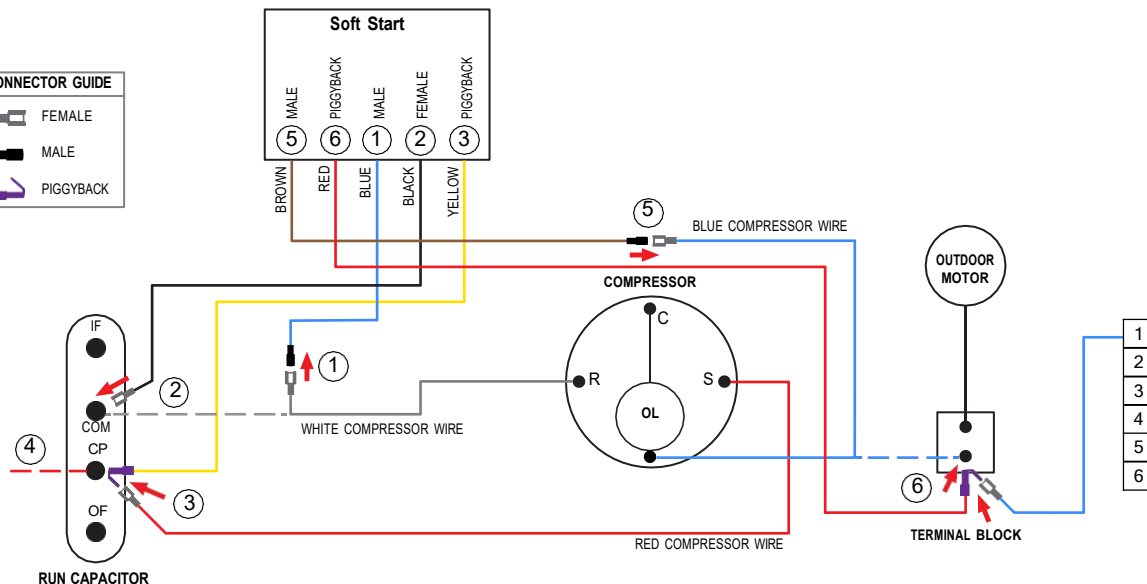
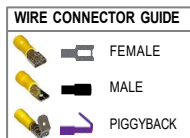
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Emerson 13.5 Relay



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route Blue, Black and Yellow SoftStart wires into the electrical box. Route Brown and Red SoftStart wires to the top of the Compressor. Crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire from Compressor to Run Capacitor COM terminal. Disconnect from COM terminal and connect it to Blue SoftStart wire.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Disconnect the Red Compressor wire. Connect Yellow SoftStart wire on terminal that the Red wire was on. Reconnect the Red Compressor wire onto the Piggyback connector of the Yellow SoftStart wire.
- Step ④ **IF you see a second Red wire** next to the Red Compressor wire, disconnect it and seal end with electrical tape.
- Step ⑤ Follow the Blue Compressor wire to the terminal block. Disconnect it from the terminal block and connect it to the Brown SoftStart wire. Seal connection with electrical tape.
- Step ⑥ Connect Red SoftStart wire onto the terminal that the Blue Compressor wire was on. Connect Blue wire from 6-pin connector to Piggyback connector of Red SoftStart wire.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

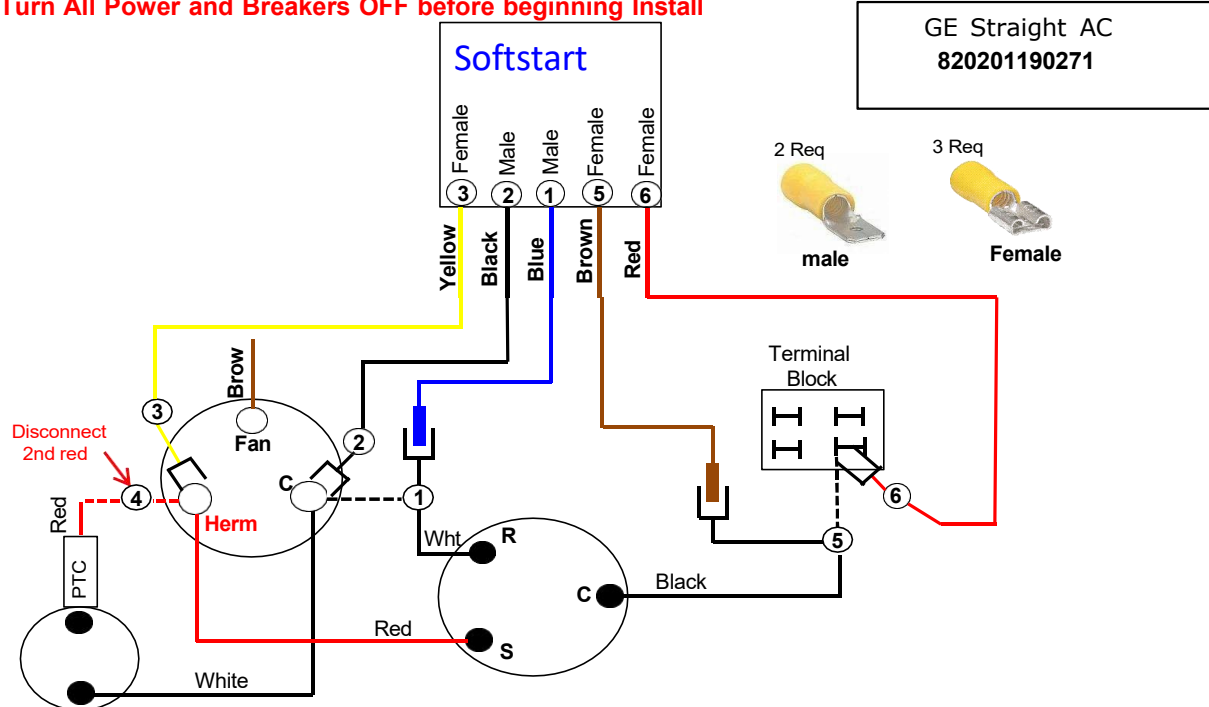
After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Furrion Chill Air 14.5 TB

Turn All Power and Breakers OFF before beginning Install



Route ALL softstart wires into electrical box first, then Crimp disconnects as shown in softstart drawing above

Step 1) Follow white compressor wire to "C" terminal on RUN capacitor, Disconnect and connect to Blue Softstart wire.

Step 2) Connect Black Softstart wire on terminal White wire was on.

Step 3) Connect Yellow Softstart wire on a terminal next to Red Compressor wire on **HERM** side of RUN capacitor.

Step 4) **IF** you see a 2nd red wire next to Red compressor wire **Disconnect** and tape end.

Step 5) Follow Black compressor wire to Terminal block, Disconnect and connect to Brown Softstart wire.

Step 6) Connect Red Softstart wire on terminal Block black wire was on.

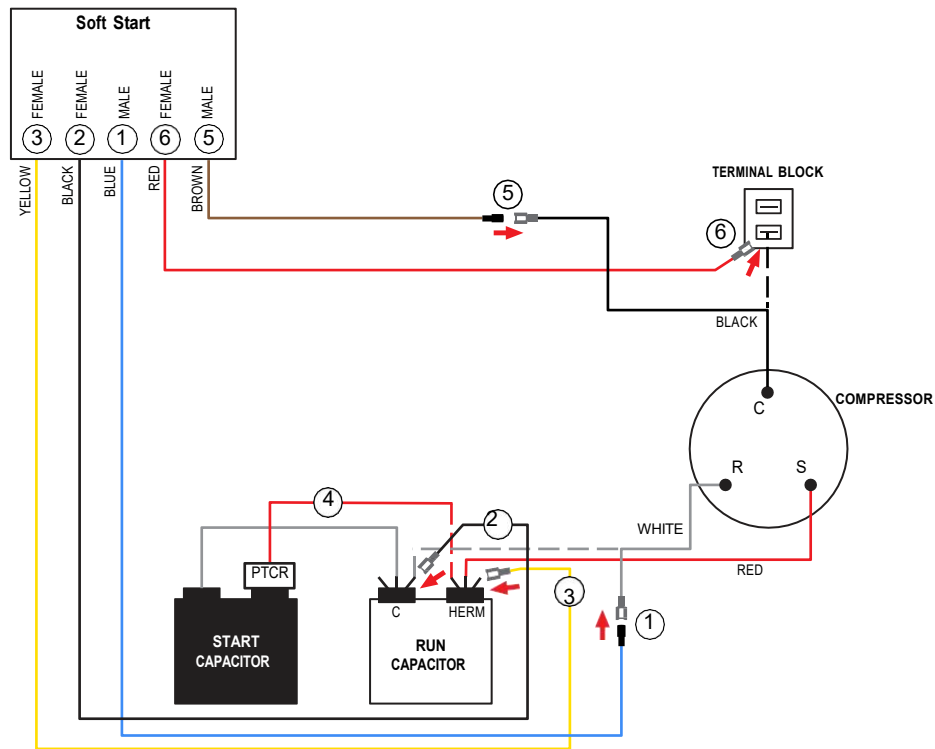
Secure all wires

Turn power and AC breaker on, Turn fan on hi 1 min., Turn AC to auto cool set Tstat to 55.

Go look at softstart you should have a green light (you may have a 3 min delay before light turn green) IF after 3 full min no green light call me.

Green light on, Turn ac off tape #1 & 5 connections, replace all covers the turn ac back on and rum for 3 min.

WIRE CONNECTOR GUIDE	
	FEMALE
	MALE
	FEMALE
	MALE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow White Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Tape connection with electrical tape.

Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.

Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM terminal of Run Capacitor.

Step ④ **IF** there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with tape and drop it.

Step ⑤ Follow Black Compressor wire to Terminal Block. Disconnect it and connect to Brown SoftStart wire. Tape connection.

Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

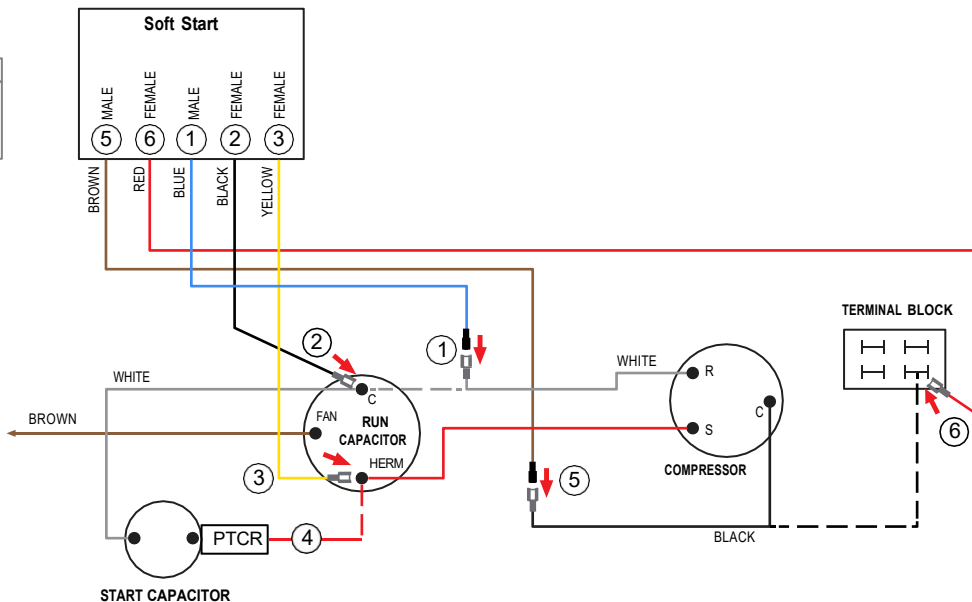
After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for GE AC ARC 13AAC, AHC, 15AAC

WIRE CONNECTOR GUIDE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire to "C" terminal on Run Capacitor. Disconnect from terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.
- Step ④ **IF** there is a second Red wire next to Red Compressor wire on HERM side of Run Capacitor, disconnect it, seal end with tape and drop it.
- Step ⑤ Follow Black Compressor wire to the Terminal Block. Disconnect Black wire from Terminal Block and connect to Brown SoftStart wire.
- Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and the thermostat to 55°F.

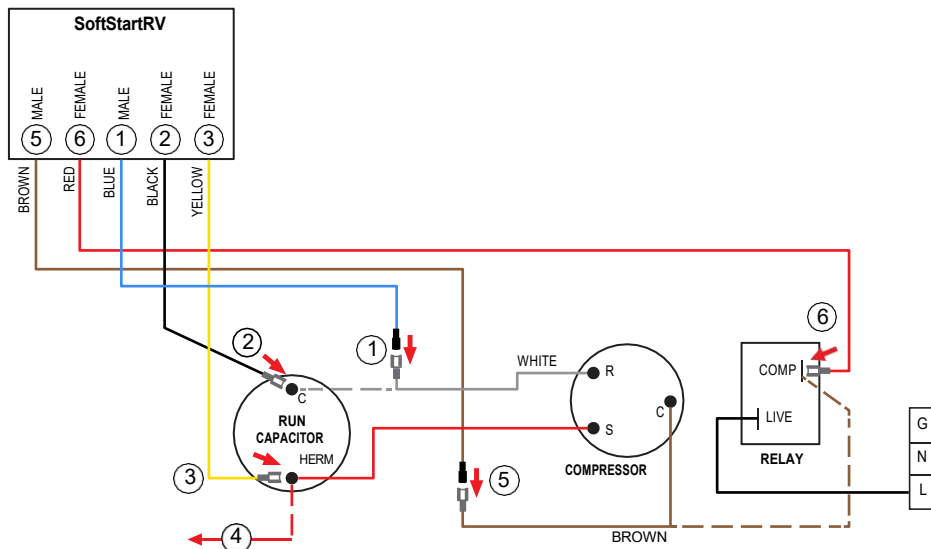
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

Re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

SoftStartRV Wiring Diagram for GE AC 802021190271 TB

WIRE CONNECTOR GUIDE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire to "C" terminal on Run Capacitor. Disconnect from terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.
- Step ④ **IF** there is a second Red wire next to Red Compressor wire on HERM side of Run Capacitor, disconnect it, seal end with tape and drop it.
- Step ⑤ Follow Brown Compressor wire to the COMP Relay. Disconnect Brown wire from Relay and connect to Brown SoftStart wire.
- Step ⑥ Connect Red SoftStart wire onto the terminal that the Brown Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

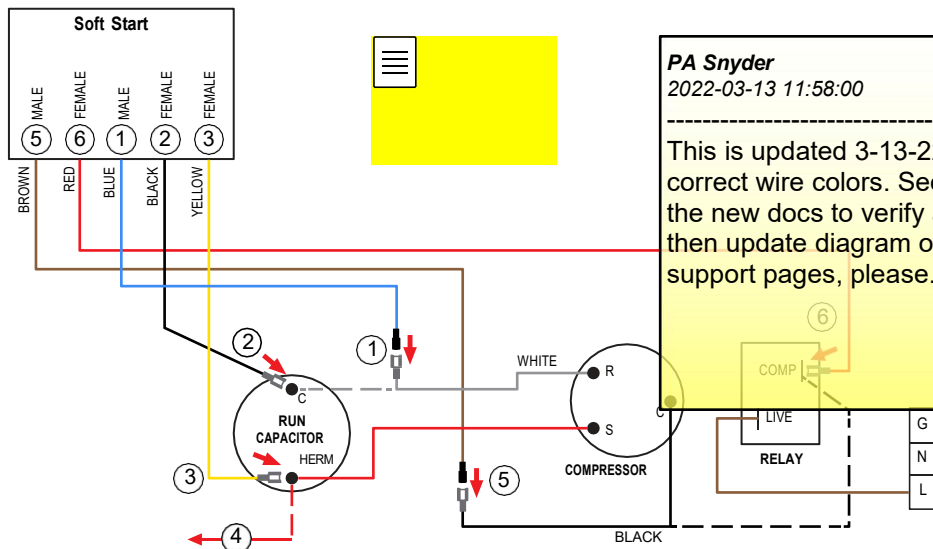
Re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

SoftStartRV Wiring Diagram for Houghton-Belaire A3400-A3401 Relay

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WIRE CONNECTOR GUIDE	
	FEMALE
	MALE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire to "C" terminal on Run Capacitor. Disconnect from terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.
- Step ④ **IF** there is a second Red wire next to Red Compressor wire on HERM side of Run Capacitor, disconnect it, seal end with tape and drop it.
- Step ⑤ Follow Black Compressor wire to the COMP Relay. Disconnect Black wire from Relay and connect to Brown SoftStart wire.
- Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and the thermostat to 55°F.

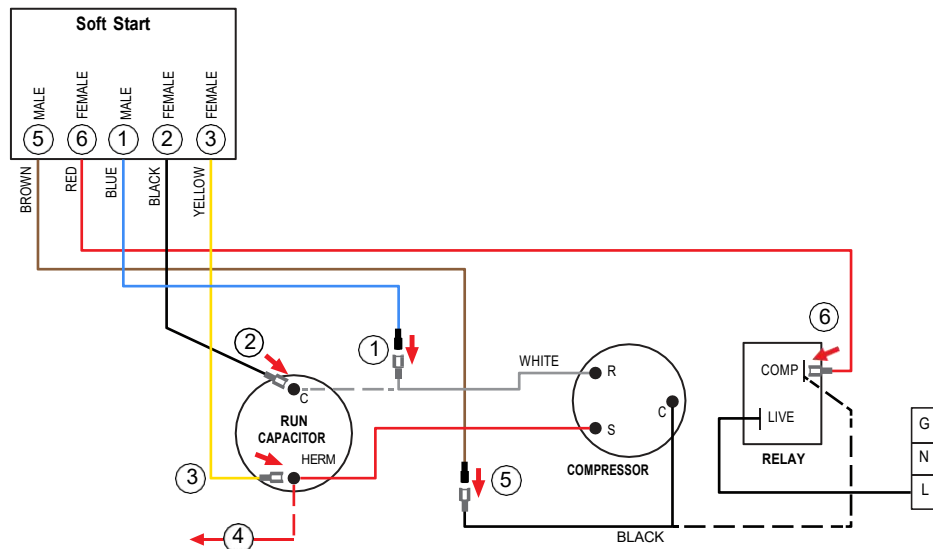
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

Re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Houghton-Belaire 2801 Relay

WIRE CONNECTOR GUIDE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow White Compressor wire to "C" terminal on Run Capacitor. Disconnect from terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
- Step ② Connect Black SoftStart wire to the terminal that the White Compressor wire was on.
- Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.
- Step ④ **IF** there is a second Red wire next to Red Compressor wire on HERM side of Run Capacitor, disconnect it, seal end with tape and drop it.
- Step ⑤ Follow Black Compressor wire to the COMP Relay. Disconnect Black wire from Relay and connect to Brown SoftStart wire.
- Step ⑥ Connect Red SoftStart wire onto the terminal that the Black Compressor wire was on.

Secure all wires. Tape connections with electrical tape.

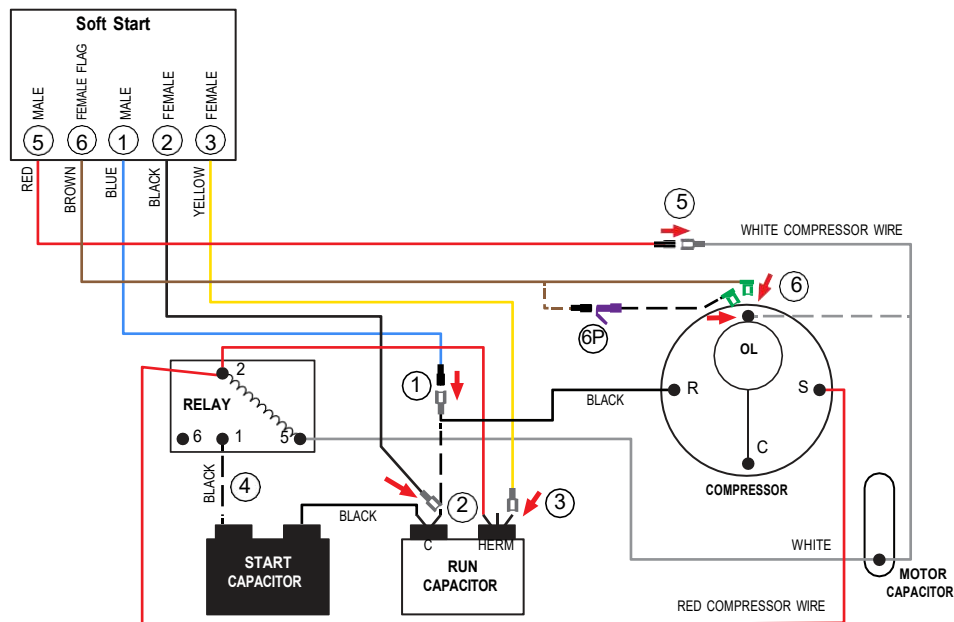
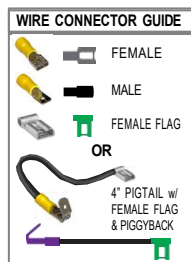
Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

Re-install all A/C covers. Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Houghton-Belaire 2821 Relay



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route Blue, Black and Yellow SoftStart wires into the electrical box. Route Red and Brown SoftStart wires to the Compressor. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow Black Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.

Step ② Connect Black SoftStart wire to the terminal that the Black Compressor wire was on.

Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor Wire on HERM side of Run Capacitor.

Step ④ Disconnect the Black Start Capacitor wire from the Relay. Seal end with electrical tape.

Step ⑤ Remove Compressor cap. Disconnect White Compressor wire and connect to Red SoftStart wire. Tape connection.

NOTE: Do not place wires back under the Compressor cap.

Step ⑥ Connect Brown SoftStart wire onto the terminal that the White Compressor wire was on. Route Pigtail wire out with Red and White wires and replace cap.

Step ⑥P [OPTIONAL] Connect Female Flag end of 4" PigTail onto the terminal that the White Compressor wire was on. Crimp Male connector onto Brown SoftStart wire, then connect it to Female side of Piggyback connector. Break off unused tangent from Piggyback connector. Route Pigtail wire out with Red and White wires and replace cap.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

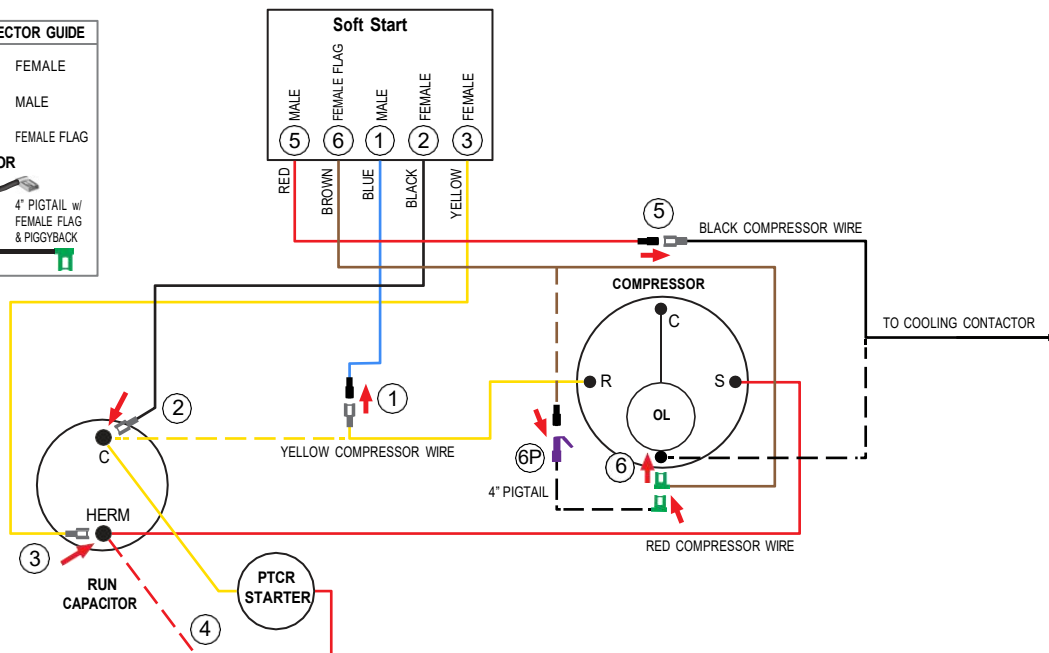
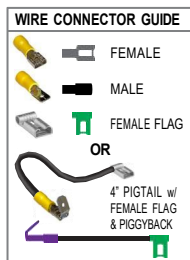
Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Intertherm SCH-RV A Series



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route Blue, Black and Yellow SoftStart wires into the electrical box. Route Brown and Red SoftStart wires to the top of the Compressor. Crimp Connectors onto all SoftStart wires as indicated in drawing.

Step ① Follow Yellow Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire.

Step ② Connect Black SoftStart wire to the terminal that the Yellow Compressor wire was on.

Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM side of Run Capacitor.

Step ④ **IF you see a second Red wire** next to the Red Compressor wire, disconnect it and seal end with electrical tape.

Step ⑤ Remove Compressor cap. Disconnect Black Compressor wire and connect to Red SoftStart wire. Tape connection.

NOTE: Do not place wires back under the Compressor cap.

Step ⑥ Connect Brown SoftStart wire onto the terminal that the Black Compressor wire was on. Route wire to exit cap with Red and White wires. Replace cap.

Step ⑥P [OPTIONAL] Connect Female Flag end of 4" PigTail onto the terminal that the Black Compressor wire was on. Crimp Male connector onto Brown SoftStart wire, then connect it to Female side of Piggyback connector. Break off unused tangent from Piggyback connector. Route Pigtail wire out with Red and White wires and replace cap.

Secure all wires. Tape connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

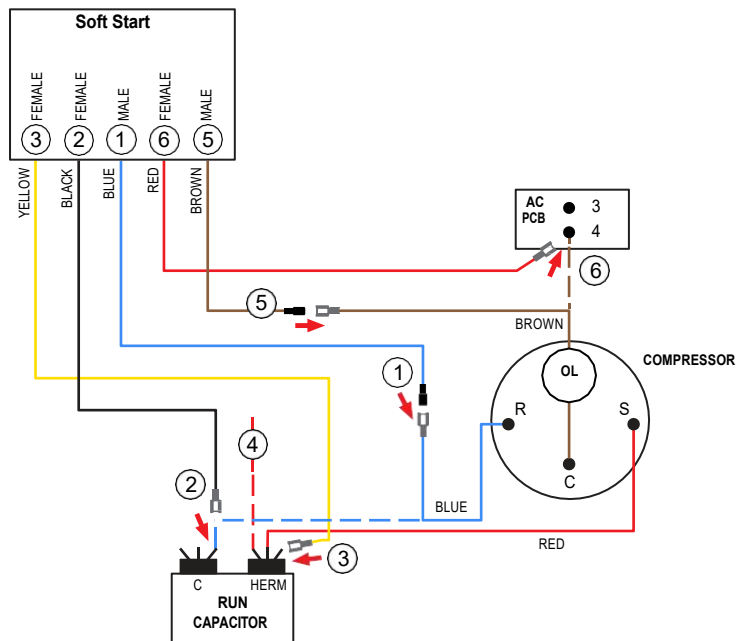
After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for Intertherm ARY-HMR Series

WIRE CONNECTOR GUIDE



TURN ALL POWER OFF BEFORE STARTING INSTALLATION.

Route all SoftStart wires into the electrical box. Then crimp Connectors onto all SoftStart wires as indicated in drawing.

- Step ① Follow Blue Compressor wire from Compressor to Run Capacitor "C" terminal. Disconnect from "C" terminal and connect it to Blue SoftStart wire. Seal connection with electrical tape.
 - Step ② Connect Black SoftStart wire to the terminal that the Blue Compressor wire was on.
 - Step ③ Connect Yellow SoftStart wire on terminal next to Red Compressor wire on HERM terminal of Run Capacitor.
 - Step ④ **IF** there is a second Red wire next to the Red Compressor wire, disconnect it, seal end with tape and drop it.
 - Step ⑤ Follow Brown Compressor wire to AC PCB assembly. Disconnect it and connect to Brown SoftStart wire. Tape connection.
 - Step ⑥ Connect Red SoftStart wire onto the terminal that the Brown Compressor wire was on.
- Secure all wires. Seal connections with electrical tape.

Turn Power and A/C Breaker on. Turn A/C to Auto Cool setting and set the thermostat to 55°F.

Look at SoftStart LED lights. Green light should be "on". Green light means the Compressor is running (there may be a full 3-minute delay before Green light comes on). **IF there is no Green light after 4 minutes**, call SoftStart Tech Support for assistance.

After establishing Green light operation, re-install all A/C covers.

Turn A/C on, set near to outdoor temperature and run for 30 minutes.

After 30 minutes, operate A/C normally.

Wiring Diagram for LG MEZ65238817 Relay