

# GT561/GT564 & GB561/GB564 COMPRESSOR REPLACEMENT INSTRUCTIONS

## TECUMSEH TO EMBRACO

PART NUMBERS 102149202 & 102149302

DOCUMENT #307 1071 01

1. REMOVE YELLOW, BLACK & RED WIRES FROM COMPRESSOR.
2. HEAT AND REMOVE TUBING FROM COMPRESSOR. **(NOTE: DO NOT CUT TUBING)**
3. REMOVE COMPRESSOR MOUNTING NUTS (4) ON OLD COMPRESSOR. **(NOTE: SAVE MOUNTING NUTS, WASHERS & MOUNTING RUBBERS, THESE WILL BE USED TO MOUNT NEW COMPRESSOR)**. LIFT OLD COMPRESSOR OUT AND DISCARD.
4. INSTALL COMPONENT SUPPORT PLATE OVER TWO RIGHT SIDE COMPRESSOR MOUNTING STUDS. **(SEE PIC.1)** INSTALL MOUNTING RUBBERS IN NEW COMPRESSOR BASE AT WIDEST ADJUSTMENT POINT. POSITION NEW COMPRESSOR OVER MOUNTING STUDS AND FASTEN TO BASE WITH NUTS & WASHERS. **(SEE PIC. 2)**
5. POSITION SUCTION LINE EXTENSION TUBE **(PROVIDED)** BETWEEN EXISTING SUCTION TUBING AND COMPRESSOR. INSTALL SERVICE TUBE & EXISTING DISCHARGE TUBE ON COMPRESSOR PORTS, BRAZE ALL CONNECTIONS & LEAK CHECK SYSTEM.
6. PUMP DOWN AND CHARGE SYSTEM. **(REFRIGERANT TYPE & QUANTITY NOTED ON RATING PLATE ON BACK OF UNIT)**.

## WIRING

7. REMOVE COMPRESSOR WIRING HARNESS, PUSH END OF HARNESS **(THAT YOU TOOK OFF OLD COMPRESSOR)** THRU THE HOLE IN BOTTOM OF CONTROL BOX. DISCONNECT THE YELLOW AND BLACK WIRES AND SNIP THE RED WIRE AND DISCARD.
8. REMOVE START COMPONENTS AND ALL WIRING, AND DISCARD ALL.
9. FIND THE WHITE OR BROWN BUNDLE WITH RED WIRE IN IT. TAKE OFF OLD CONNECTOR, YOU WILL DISCARD BROWN WIRE W/FLAG CONNECTOR AND REMAINING PIECE OF RED WIRE THAT YOU SNIPPED EARLIER.
10. RUN NEW WIRING HARNESS, PUT RED WIRE FROM HARNESS WITH THE TWO WHITE WIRES (110V) OR TWO BROWN WIRES (220V) AND CRIMP TOGETHER WITH NEW CONNECTOR **(INCLUDED)**. YELLOW/GREEN WIRE W/CONNECTOR MOUNTS ON TAB ON SIDE OF CONTROL BOX, BLACK WIRE WITH HORSE SHOE CONNECTOR REPLACES THE BLACK WIRE YOU TOOK OFF OF CONTACTOR **(RIGHT SIDE)**.
11. MAKE WIRE CONNECTIONS ON COMPRESSOR. MOUNT COMPRESSOR COMPONENT BOX TO NEW SUPPORT PLATE STUDS USING WASHERS AND LOCK NUTS **(PROVIDED)**.
  - YELLOW/GREEN GOES WITH GREEN/YELLOW WIRES
  - RED GOES WITH RED
  - BLACK GOES WITH BLACK

**THESE CONNECTIONS REPLACE THE START COMPONENTS THAT YOU REMOVED EARLIER!**

**PICTURE ON BACK SIDE OF THIS INSTRUCTION SHOWS WHAT SHOULD BE IN KIT AND WHICH ADAPTOR PLATE TO USE FOR WHICH UNIT**

GB / GT MARKINGS ON ADAPTOR PLATES CORRESPOND WITH YOUR MODEL NUMBER

EXAMPLE: GT561AC OR GB561AC

NOTE: YOU WILL USE THE 4" PIPE FOR GT MODELS AND THE 6" PIPE FOR GB MODELS

