

# INSTALLATION INSTRUCTIONS for JEGS 52140 DUAL 16 in. 225W FAN ASSEMBBY



FOLLOW INSTRUCTIONS CAREFULLY TO PREVENT PERSONAL INJURY AND/OR DAMAGE TO THE FAN UNIT OR COMPONENT!  
ALWAYS DISCONNECT ONE OF THE BATTERY CABLES OR REMOVE POWER FUSES FOR A CIRCUIT WHEN INSTALLING AN ELECTRICAL FAN UNIT OR COMPONENT!



## REMOVE STOCK CLUTCH FAN AND SHROUD:

1. Remove top portion of the plastic shroud assembly reserving hex head screws for installation of top brackets.
2. Remove engine driven fan and clutch. If the clutch is mounted to the pulley with bolts, be sure to replace the bolts that hold the pulley on after the clutch is removed. The clutch can also be mounted with one large nut. If so, a large wrench is required to loosen and remove the nut. It may be necessary to use a soft blow hammer on the wrench to loosen the nut without the pulley slipping. It may also be necessary to secure the pulley with a box end wrench on one of the (4) pulley bolts and the other end of the wrench wedged under the water pump.
3. Remove the bottom part of the shroud again reserving the hex head screws for installation of the bottom brackets of the fan.
4. Ensure that the radiator core is 34" wide (between the tanks).

## MOUNTING DIRECTIONS:

**NOTE:** If not using **52149** (universal mounting bracket) other brackets will be needed to attach **52140** firmly to the radiator to compress the seal on the shroud.

## WIRING DIRECTIONS:

**NOTE:** **MFA111** (dual fan adapter) works with **MFA100** (harness w/adjustable temperature switch and relay) and/or **MFA101** (A/C harness & relay) and are included with **52140**. The hot wires going to the fans must NOT be color matched! Blue on the **MFA100** & **MFA111** harnesses must connect to the Black wire harness on the fans. Black wire on the **MFA100** & **MFA111** must connect to the Blue wire on the fan harness to ensure proper operation. Failure to do this will result in the fans turning the wrong direction and reduced airflow (See wiring instructions included with wire harnesses).

SPECIFICATIONS	
MOTOR	(2) LL 225W Heavy Duty
AIR FLOW @ 0" STATIC	4,320 CFM
SIZE	33.5" w x 17" h
DEPTH	3.98"
AMP DRAW	35.4 (17.7 per fan)

FAN MODEL NUMBER	RECOMMENDED WIRE GAUGE	FUSE RATING	THE WIRE GAUGE HAS BEEN SELECTED, BASED ON THE FUSE RATING WITH 14 GAUGE MINIMUM. THESE WIRE SIZES ARE VALID FOR WIRE LENGTHS UP TO 15 FEET ON BOTH THE (+) & (-) MOTOR WIRES.
52140	12	30 (2)	

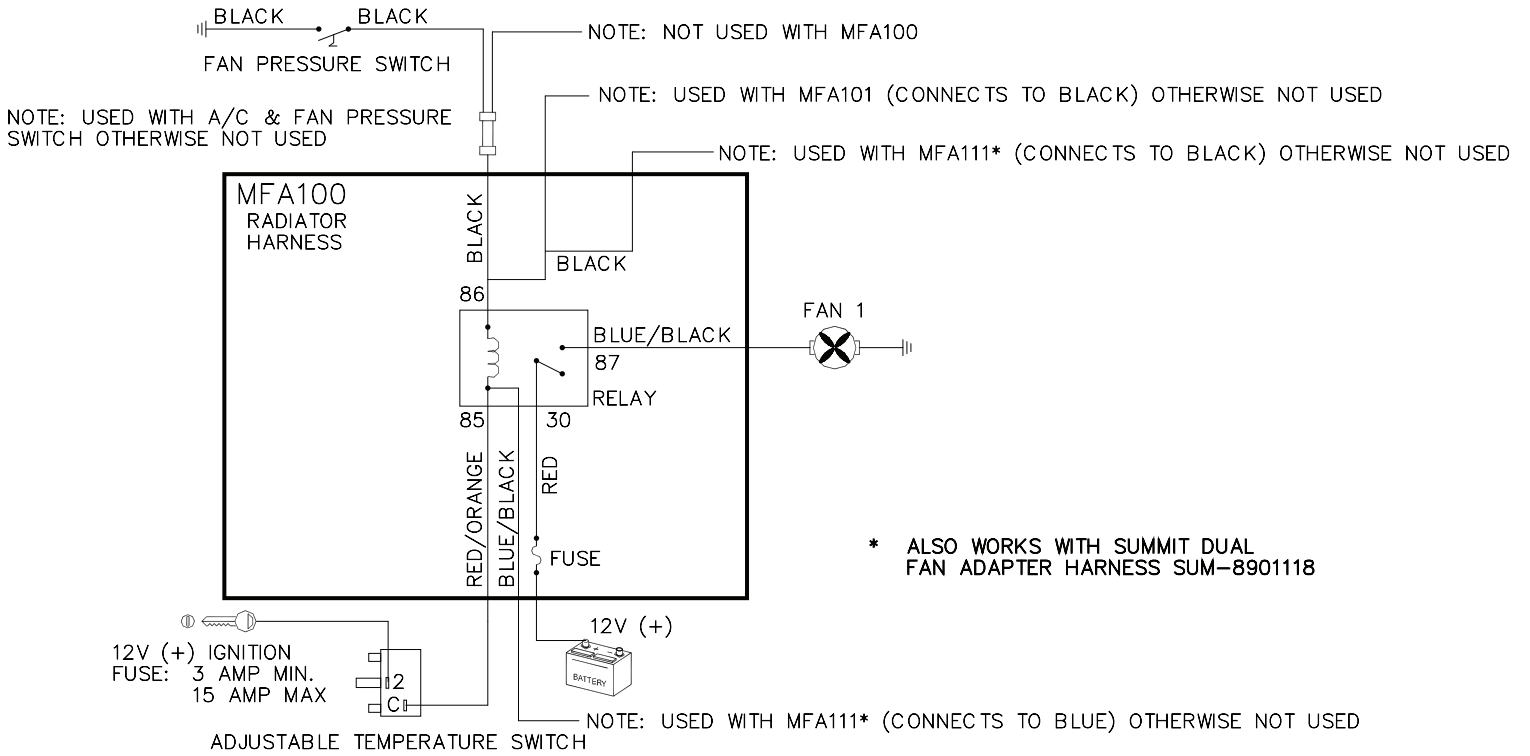


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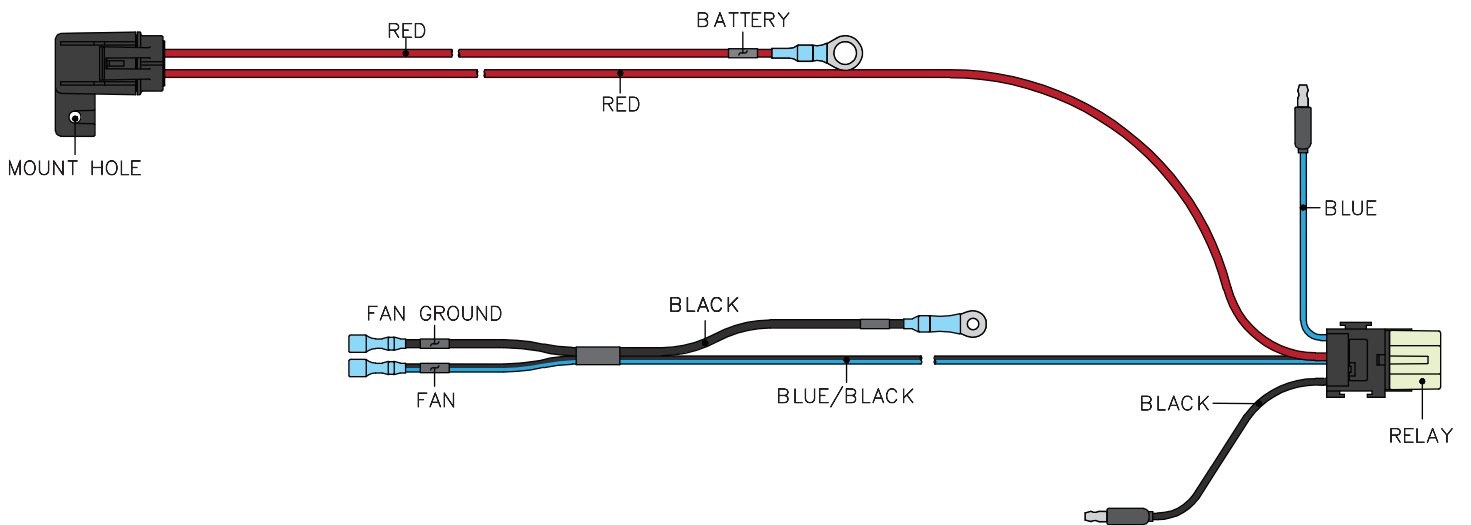
## TYPICAL WIRING DIAGRAM



# DUAL FAN ADAPTER HARNESS WIRING INSTRUCTIONS

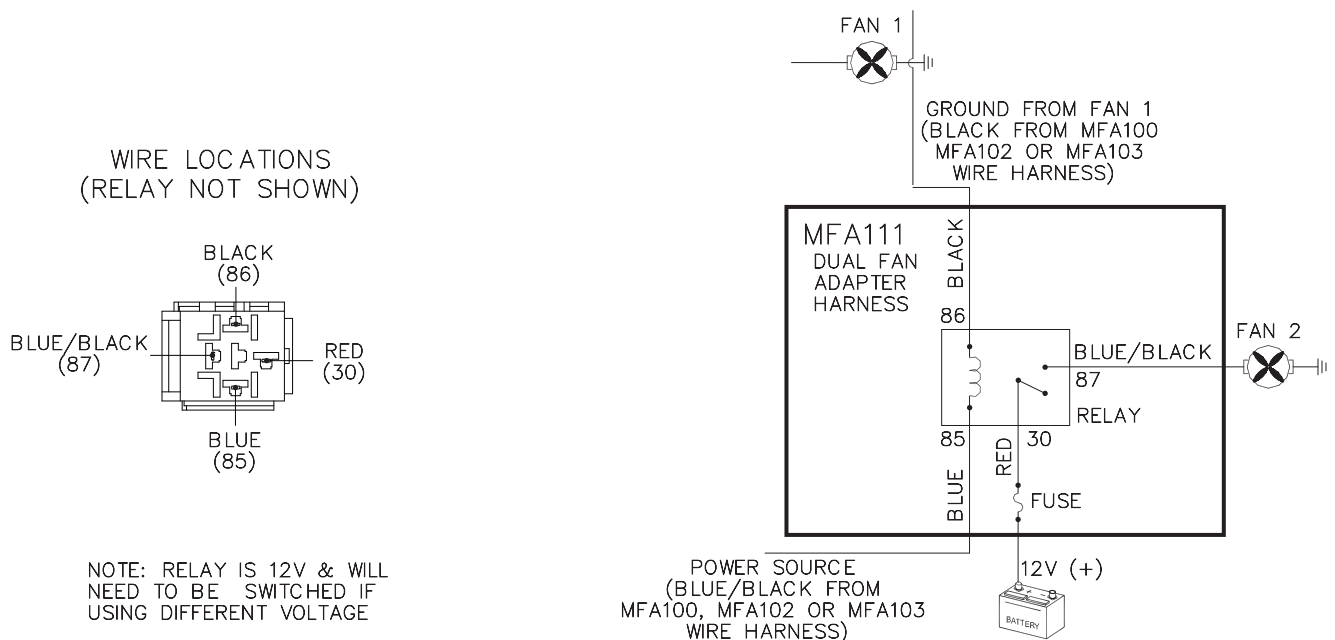


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MFA111 is used to engage a second electric fan in conjunction with the Radiator Fan Harness.

## TYPICAL WIRING DIAGRAM



# CONDENSER FAN HARNESS WIRING INSTRUCTIONS

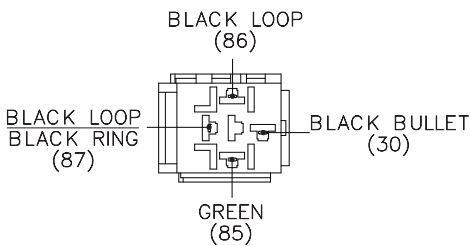


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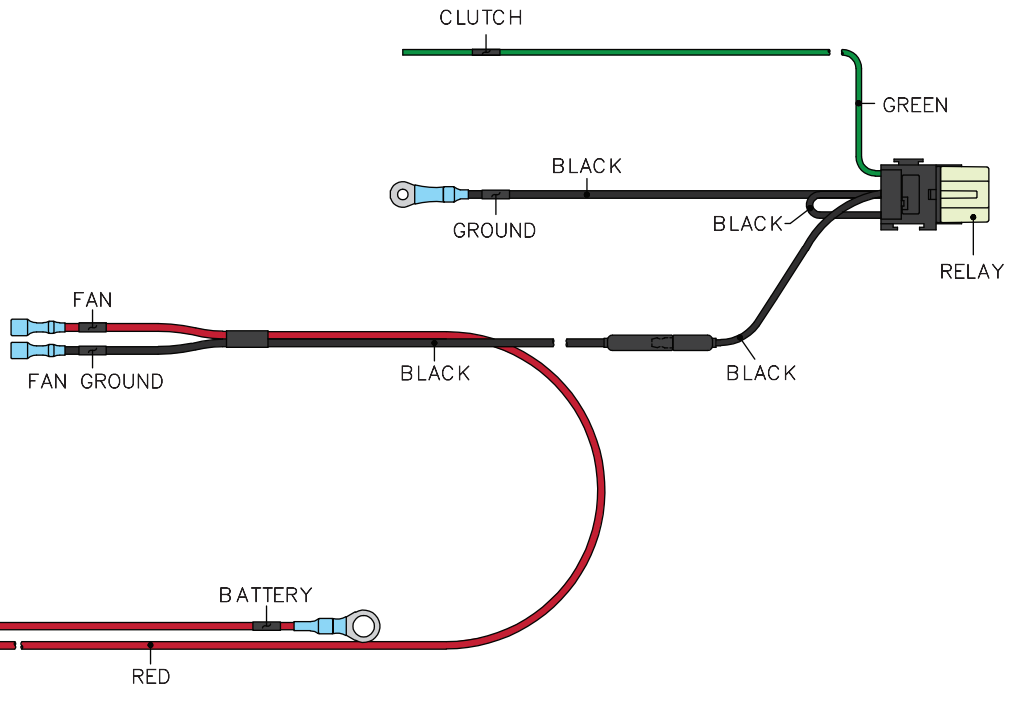
## MFA101 Condenser Fan Harness

**MFA101** is used to engage an electric fan in conjunction with the Radiator Fan Harness. In this application, the fan will be engaged any time the compressor clutch is engaged. It may also be used to engage an auxiliary electric fan, only when the A/C clutch is engaged.

WIRE LOCATIONS  
(RELAY NOT SHOWN)

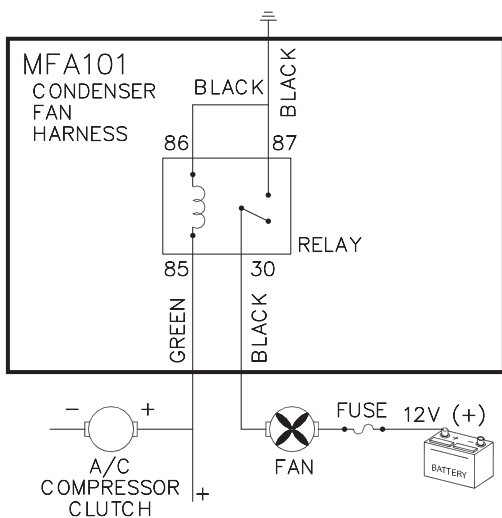


NOTE: RELAY IS 12V & WILL NEED TO BE SWITCHED IF USING DIFFERENT VOLTAGE



## TYPICAL WIRING DIAGRAMS

### Condenser Fan Only w/o Fan Pressure Switch



### Radiator Fan – A/C w/o Fan Pressure Switch w/Positive Switched Compressor

