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



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)	



HARNESS W/TEMPERATURE SWITCH WIRING INSTRUCTIONS



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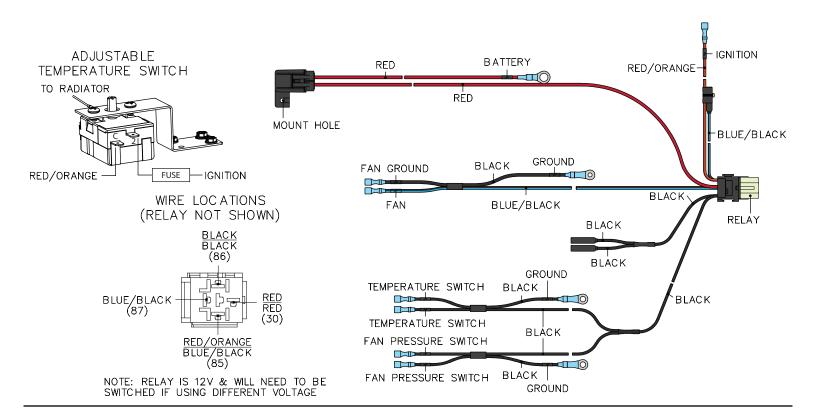
General: High quality wiring kits, using only premium SAE GXL wire & sealed fuse holders. The relay holders of the harnesses slide together; and the harnesses interconnect with "bullet" terminals for a neat, professional appearance. The installer assumes responsibility to replace the 30 amp fuses supplied, with those recommended by the fan manufacturer for each application. It is the installer's responsibility to secure the wiring away from high temperatures, areas where the insulation may be cut and to insulate any wire connections left exposed at completion.

RADIATOR FAN HARNESSES

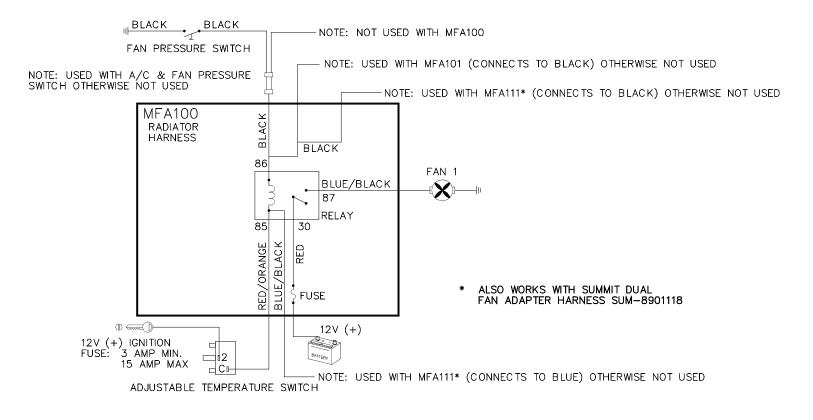
MFA100 has an adjustable thermostat with remote sensing bulb. The thermostat may be adjusted to engage at any temperature from 32°F to 248°F. The bulb is normally inserted into the radiator fins on the inlet water side. It must fit securely, and should be inserted close to the radiator tank. For consistent operation, the sensing bulb should not be in an area of high airflow. The installer may make a pilot hole thru the radiator fins using a #1 or #2 screwdriver, however care must be used to avoid damaging the radiator tubes.

These harnesses have a circuit in parallel with the TEMP SWITCH' labeled 'FAN SWITCH'. This connects to a fan pressure [2 wire] or Trinary [4 wire] switch, which is either standard or optional on many aftermarket A/C kits. This is the most efficient method to control a fan in A/C mode, engaging it only when the fan is required to lower the discharge pressure. For racing applications, where it is desired to manually engage the fans, a toggle switch may be mounted within the passenger compartment and connected to the 'Fan Switch' terminals.

NOTE: Before grounding any electrical circuit thru a radiator, the manufacturer should be consulted.



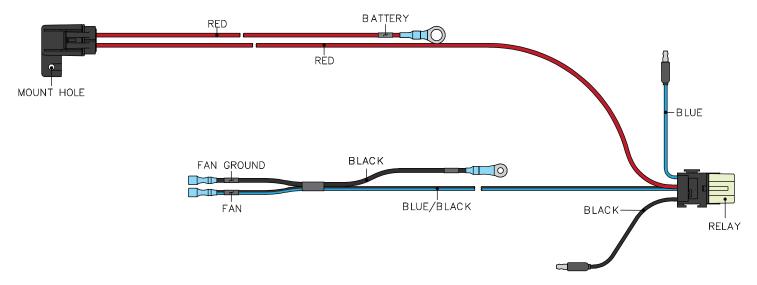
TYPICAL WIRING DIAGRAM



DUAL FAN ADAPTER HARNESS WIRING INSTRUCTIONS

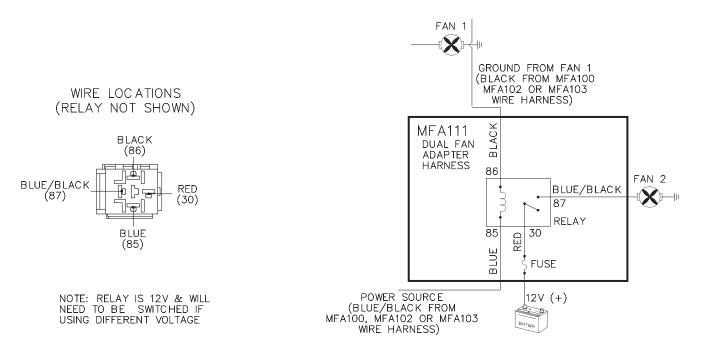


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MFA111 is used to engage a second electric fan in conjunction with the Radiator Fan Harness.

TYPICAL WIRING DIAGRAM



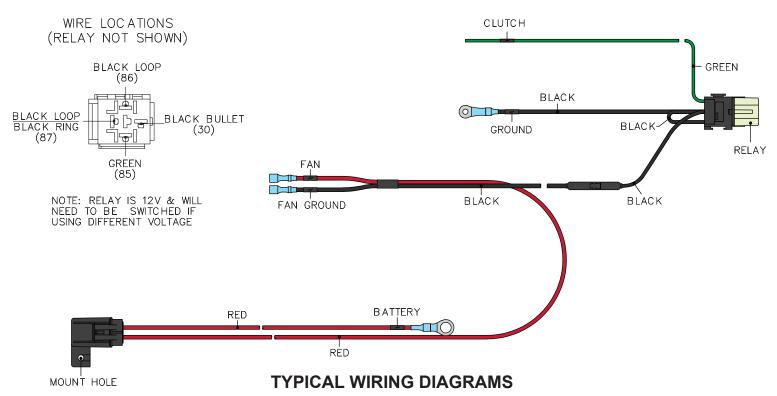
CONDENSER FAN HARNESS WIRING INSTRUCTIONS



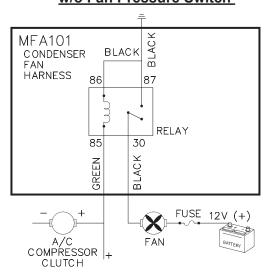
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MFA101 Condenser Fan Harness

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.



Condenser Fan Only w/o Fan Pressure Switch



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

