# Instructions for Use of MARADYNE® accessory wiring kits

**General:** MARADYNE® uses only 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. MARADYNE® provides fuse recommendations with each fan. 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.

**80-501 or MFA100** has an adjustable thermostat with remote sensing bulb. The thermostat may be adjusted to engage at any temperature from 32F to 248F. 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 through the radiator fins using a #1 or #2 screwdriver, however care must be used to avoid damaging the radiator tubes.

This harness has 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. MARADYNE® does not sell these pressure switches. 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.

Refer to pictures below with MFA100 when reviewing wiring diagrams.


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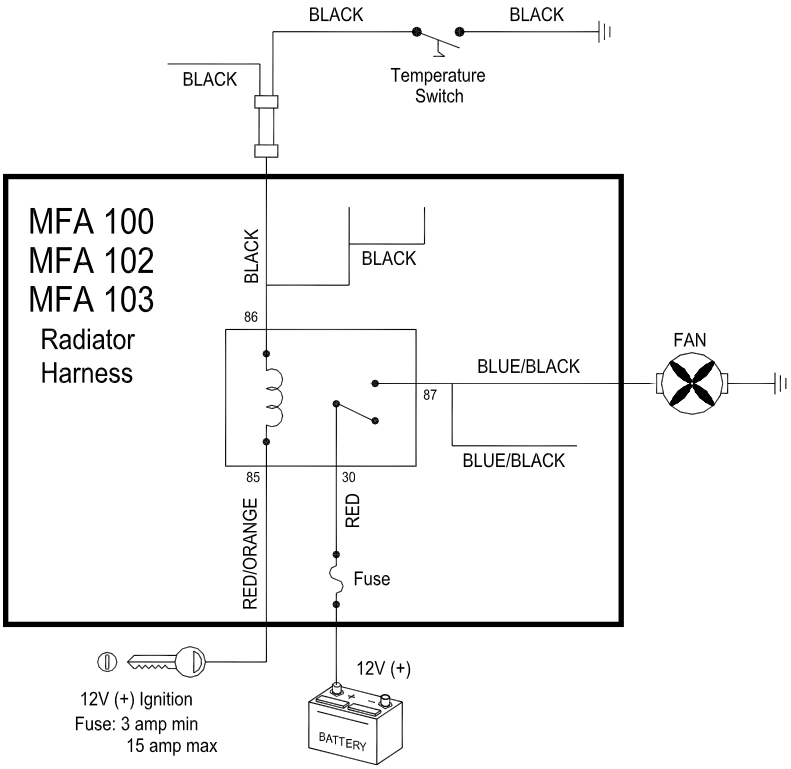
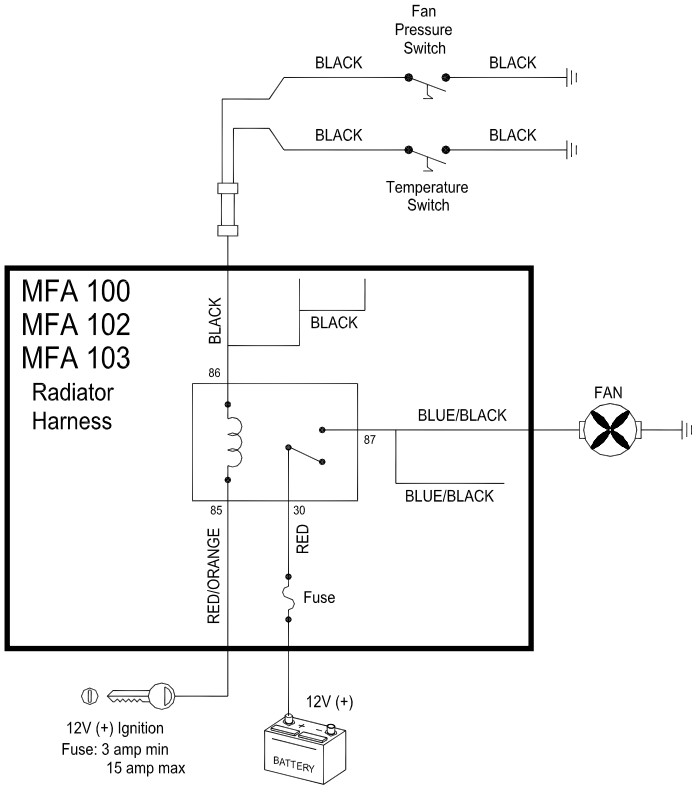
# Typical Wiring Diagrams

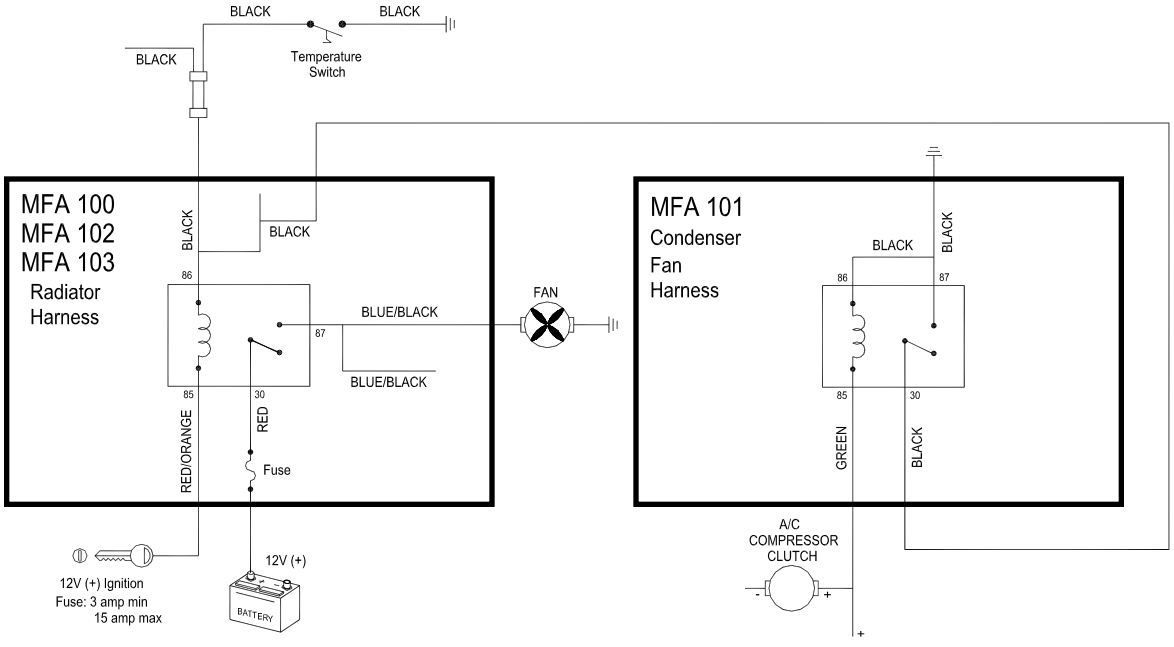
## Radiator Fan Only – No A/C




## Radiator Fan with A/C with Fan Pressure Switch.




## Radiator Fan with A/C, without Fan Pressure Switch with Positive Switched Compressor



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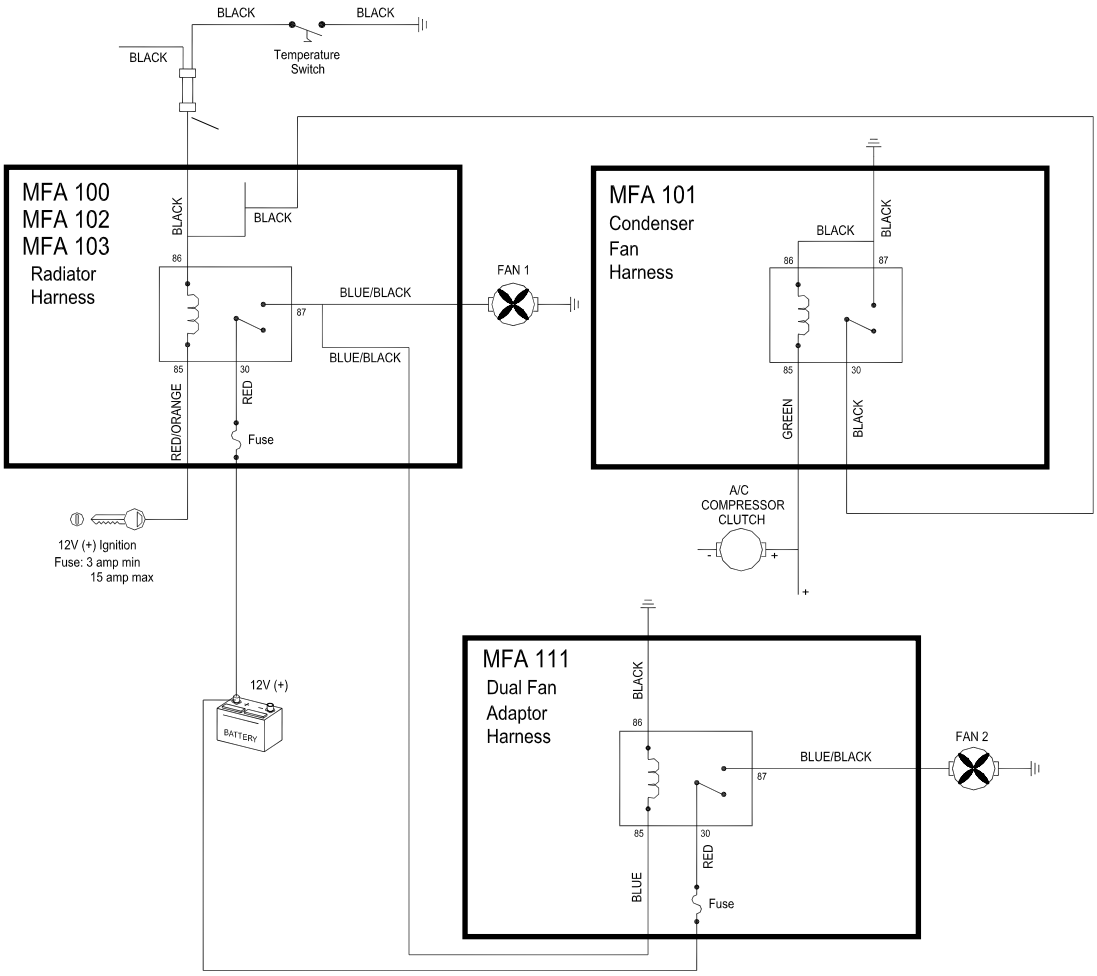
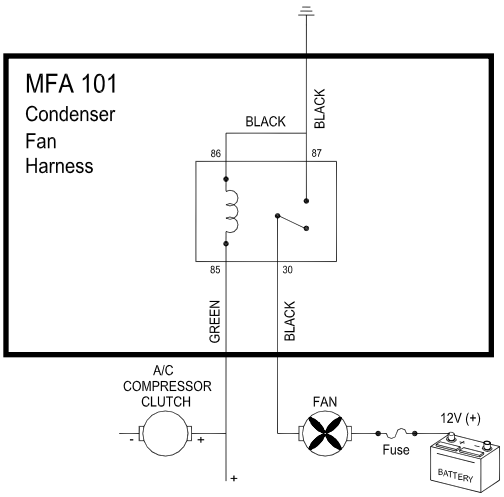
## Two Fans with A/C, without Fan Pressure Switch with Positive Switched Compressor




## Condenser Fan Only without Fan Pressure Switch



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