RON FRANCIS Wiring

AR-34
Cooling Fan
Sensor

****

.

Adding this sensor to the Express or Bare Bonz fuse panel internal cooling fan relay system adds automatic on/off control of the electric cooling fan. This sensor is also a replacement sensor to one of Ron Francis Wiring "AR" style cooling fan relay systems.

MOUNTING

The best location to install the sensor is in the water jacket of the cylinder head. If this location presents a problem due to headers or exhaust manifolds it can be located in the intake manifold.

IMPORTANT: The sensor is designed to be mounted in the cylinder head. Mounting the sensor in another location will cause the fan(s) to turn on at a higher temperature than designed.

RON FRANCIS WIRING recommends installing the sensor in the head only!

NOTE: Do not use teflon tape or sealant on the threads. Doing so will insulate the circuit from ground and cause poor operation.

WIRING

EXPRESS & BARE BONZ II WIRE PANEL CONNECTION

Adding the sensor to the Express or Bare Bonz II wire panel requires wiring everything as main wiring kit instructions state. The only change is that the green wire from terminal "F" is connected direct to the sensor, not to ground.
Make sure you have completed all the other wire connections pertaining to the cooling fan relay as noted in the installation instructions provided with the wire kit, or the fan will not operate.

WIRING AS A REPLACEMENT UNIT

If your original sensor wire connector will not plug into the enclosed sensor it will be necessary to replace it with the supplied wire and connector. Locate the green wire running from the cooling fan relay running to the sensor. Cut the wire 4-6 inches from the relay and discard the wire. Plug the new connector in to the sensor and run it to the relay. Splice and solder the green wire running from the relay and the green wire running from the sensor together. Tape or heat shrink the connection to prevent the connection shorting to ground.

