

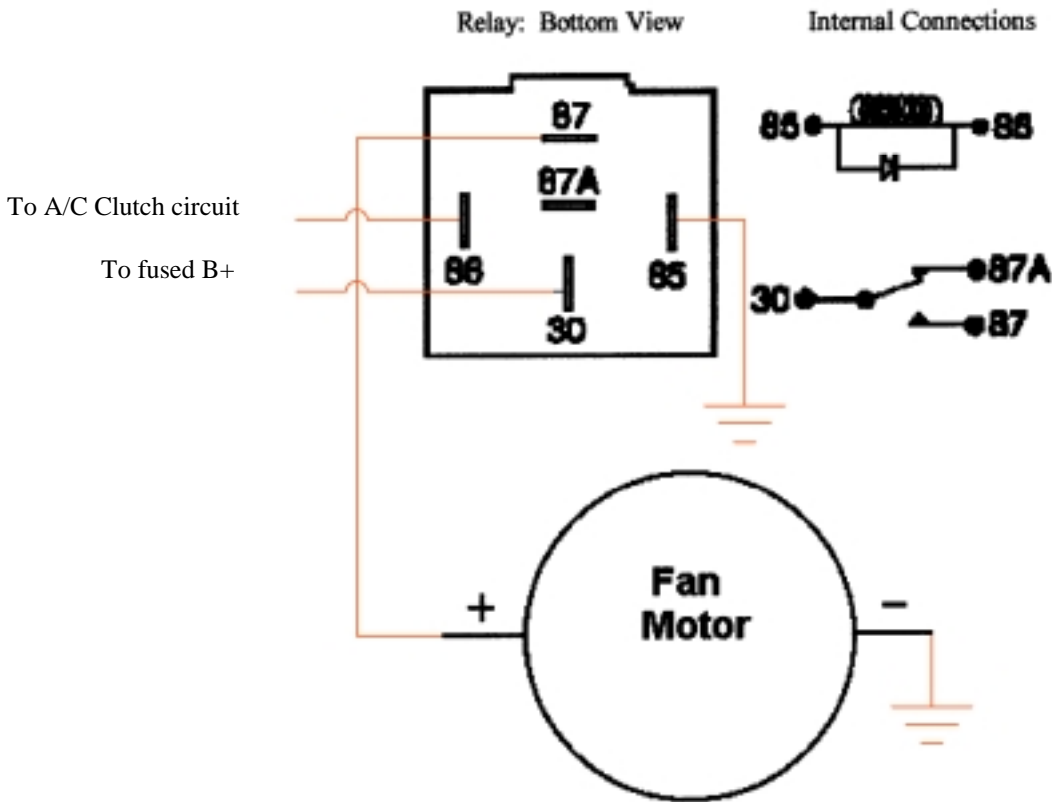
Auxiliary Fan for Retrofit, Section 15.4

Student name _____ **KEY** _____

Vehicle Identification, Make: _____, Model: _____, Year: _____

Occasionally it is necessary to install an auxiliary fan to help reduce high side pressure on a vehicle that has been retrofitted. Normally this fan is mounted in front (pusher) of or in back (puller) of the radiator or condenser. This fan is connected to a source of electrical power and a relay is normally used to control the fan operation. The relay is controlled by either an additional switch to sense high side pressure or by the clutch circuit.

A common relay and the fan motor connections are shown below. Complete the fan circuit connections.



What would happen if the two fan connections are reversed? **The fan would run in the opposite direction.**

Note to instructor: Relay terminal 30 should be connected to a power source (B+) through a fuse or circuit breaker. Terminal 87 is connected to the fan motor. Terminal 86 can be connected through a switch to B+ or to the clutch circuit. Terminal 85 can be connected to ground; a switch can also be connected between terminal 85 and ground. The fan connections depend on the direction of rotation, pusher or puller, but one side is connected to relay terminal 87 and the other side to ground.