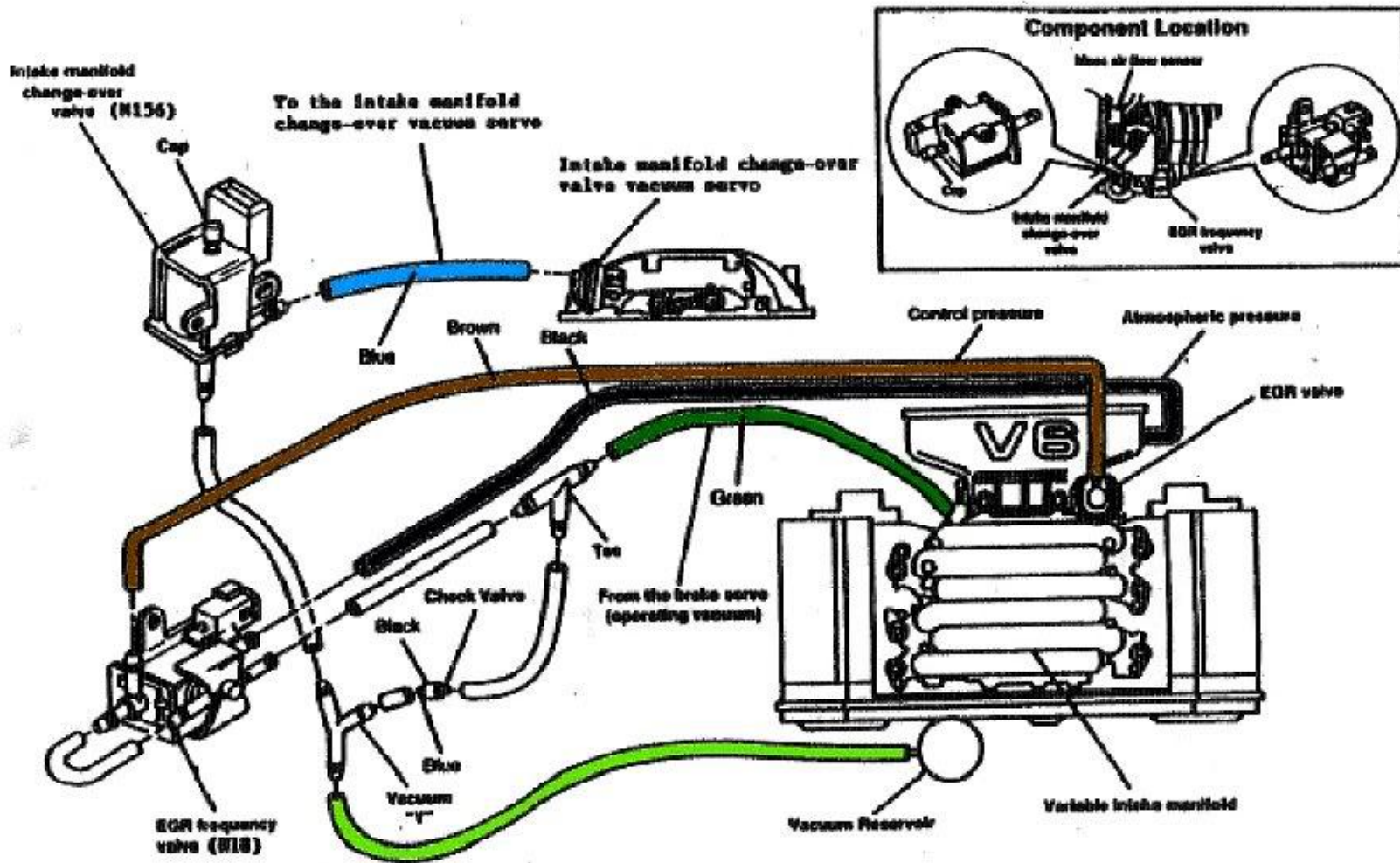
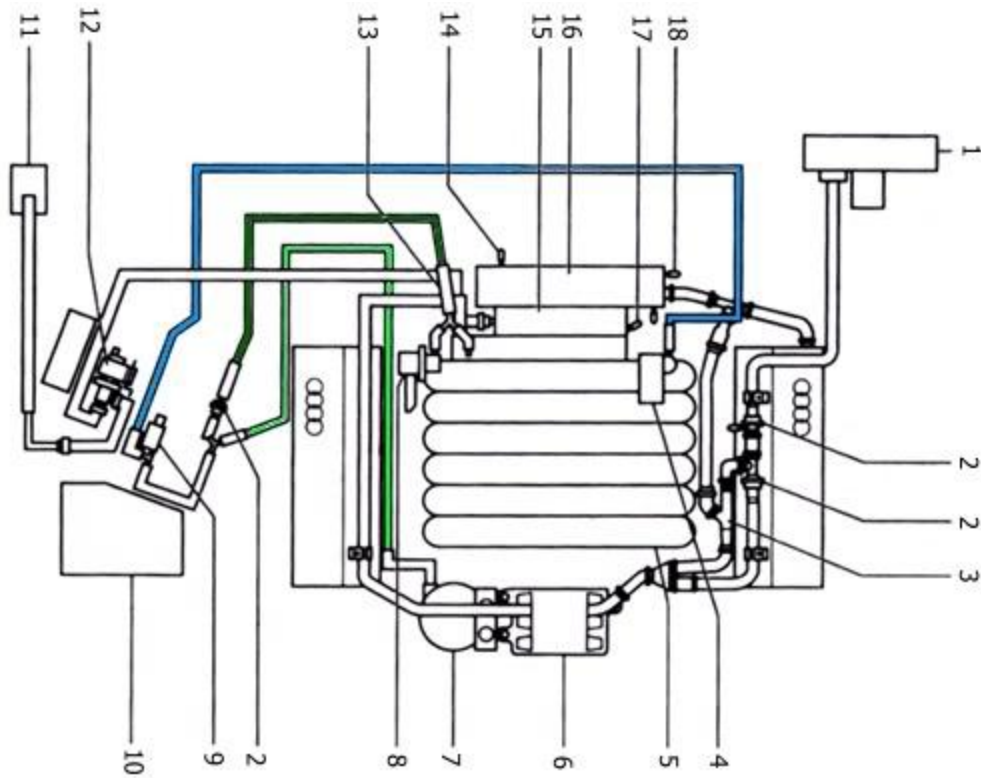


Vacuum hose layout, Manual Transmission





Notes:

Blue line actually goes to the driver's side of the intake manifold where the black change-over valve is located.

Brown line goes to the EGR valve on the driver's side of the intake manifold

Black line is atmosphere air for the EGR solenoid, and goes over to a fitting in the driver's side of the black plastic air intake plenum

Dark Green line is the source of all vacuum and connects to the passenger rear upper corner of the intake manifold, right near the Idle Air Control Valve.

Light Green line goes to the vacuum storage canister (black plastic ball) hidden down below the passenger side of the power

steering pump.

Not shown, but there is a 3mm cloth braided vacuum line that connects to a fitting on the driver's side of the throttle body. This line runs rearward next to the brake vacuum booster where it T's. One line then goes down and rearward to supply vacuum to the rear differential lock on '95 and earlier models that have a Diff Lock switch in the dash or center console. The other line goes through the firewall and feeds the heater box, including a vacuum storage tank, the heater valve, the recirculation valve, and a servo for dash flap functions (when this line leaks, your dash vents will start blowing hot air when you accelerate or climb a long hill).

Vacuum Hose replacement part (BMW):

BMW P/N 51 73 1 470 035

These next 2 photos show the heater box vacuum lines in detail:





Vacuum line for recirc valve

Vacuum solenoid for recirc flap

Vacuum supply line from yellow side of one-way valve

Vacuum feed for heater valve

Vacuum solenoid for heater valve

3 black lines 2 are visible (top left of plenum and bottom right on top of valve cover. The third is the blue arrow that connects to the side of the plenum right above the driver side valve cover breather tube



Close-up of the plenum top.

