

**Audi > B6 Platform > 2002 - 2005**

**3.0 Liter 6-Cyl. 5V Fuel Injection & Ignition, Engine Code(s): AVK, BGN**

**24 - Multiport Fuel Injection (MFI)**

**Vacuum diagram**

**1 - From air filter**

**2 - Secondary Air Injection (AIR) pump motor -V101-**

**3 - Throttle valve control module -J338-**

**4 - Combi valve for secondary air inlet, right**

**5 - From EVAP canister**

**6 - Evaporative Emission (EVAP) canister purge regulator valve -N80-**

**7 - Non-return valve**

> Between intake manifold and brake servo

> Installation position: as shown in Fig, arrow faces in direction of flow

**8 - Secondary Air Injection (AIR) solenoid valve -N112-**

>Location: On retainer plate for solenoid valves at rear of engine

**9 - Brake servo**

**10 - Non-return valve**

> Between intake manifold and solenoid valves

> Installation position: as shown in Fig, arrow faces in direction of flow

**11 - Combi valve for secondary air inlet, left**

**12 - Non-return valve**

> Between brake servo pump and brake servo

> For vehicles with automatic transmission

> Installation position: as shown in Fig, arrow faces in direction of flow

**13 - Brake system vacuum pump -V192-**

> For vehicles with automatic transmission

**14 - Fuel pressure regulator**

**15 - Vacuum reservoir**

> Location: In front left wheel housing beneath wheel housing liner

**16 - Vacuum actuator**

**17 - Intake manifold change-over valve -N156-**

