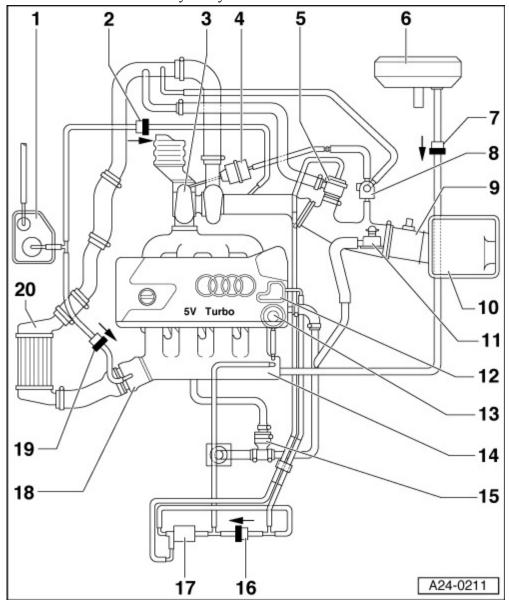
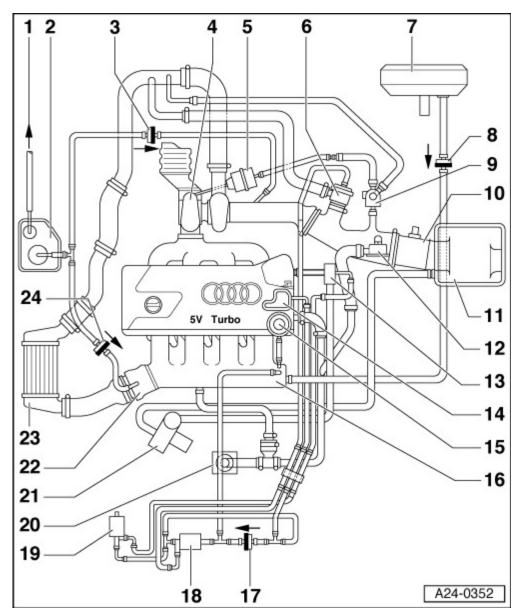
Diagram of connections for charge pressure control system and vacuum system Vehicles without secondary air system



- 1 Activated charcoal filter
- q With activated charcoal filter system solenoid valve 1 -N80-
- 2 Non-return valve
- q Between activated charcoal filter and intake pipe upstream of turbocharger
- q Installation position: arrow points direction of flow
- 3 Turbocharger
- q Checking charge pressure → Chapter
- 4 Vacuum unit for charge pressure control
- 5 Mechanical air recirculation valve
- q Checking \rightarrow Chapter
- 6 Brake servo
- 7 Non-return valve
- q Between brake servo and intake manifold

- q Installation position: arrow points direction of flow
- 8 Solenoid valve for charge pressure control -N75-
- q Checking → Chapter
- 9 Air mass meter -G70-
- 10 Air cleaner
- 11 Pressure control valve for crankcase breather system
- 12 Vacuum reservoir
- q Bolted to cylinder head cover
- 13 Fuel pressure regulator
- 14 Intake manifold
- q With intake air temperature sender -G42-
- 15 Crankcase breather
- 16 Non-return valve
- q Installation position: arrow points direction of flow
- 17 Turbocharger air recirculation valve -N249-
- q Checking <u>→ Chapter</u>
- 18 Throttle valve module -J338-
- 19 Non-return valve
- q Between activated charcoal filter and intake manifold
- q Installation position: arrow points direction of flow
- 20 Charge air cooler
- q With charge pressure sender -G31-
- q Checking charge pressure sender -G31-<u>→ Chapter</u>

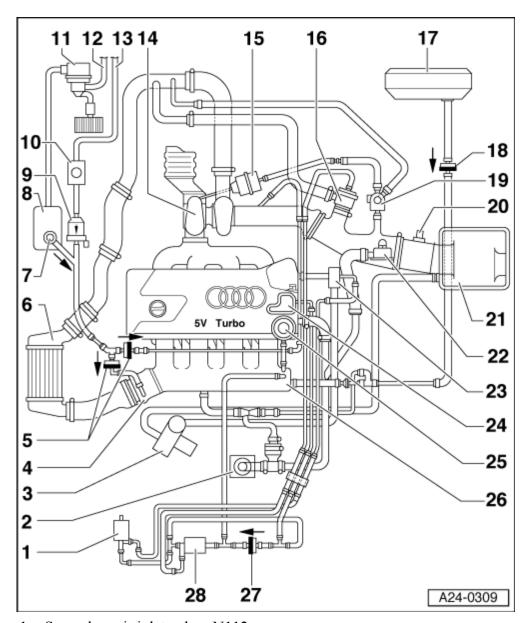
Rest-of-world vehicles with secondary air system:



- 1 From fuel tank
- 2 Activated charcoal filter
- q With activated charcoal filter system solenoid valve 1 -N80-
- 3 Non-return valve
- q Between activated charcoal filter and intake pipe upstream of turbocharger
- q Installation position: arrow points direction of flow
- 4 Turbocharger
- q Checking charge pressure \rightarrow Chapter
- 5 Vacuum unit for charge pressure control
- 6 Mechanical air recirculation valve
- q Checking \rightarrow Chapter
- 7 Brake servo
- 8 Non-return valve
- q Between brake servo and intake manifold
- q Installation position: arrow points direction of flow

- 9 Solenoid valve for charge pressure control -N75-
- q Checking \rightarrow Chapter
- 10 Air mass meter -G70-
- 11 Air cleaner
- 12 Pressure control valve for crankcase breather system
- 13 Combination valve for secondary air system
- 14 Vacuum reservoir
- q Bolted to cylinder head cover
- 15 Fuel pressure regulator
- 16 Intake manifold
- q With intake air temperature sender -G42-
- 17 Non-return valve
- q Installation position: arrow points direction of flow
- 18 Turbocharger air recirculation valve -N249-
- q Checking \rightarrow Chapter
- 19 Secondary air inlet valve -N112-
- q Checking \rightarrow Chapter
- 20 Crankcase breather
- 21 Secondary air pump motor -V101-
- 22 Throttle valve module -J338-
- 23 Charge air cooler
- q With charge pressure sender -G31-
- q Checking charge pressure sender -G31- → Chapter
- 24 Non-return valve
- q Between activated charcoal filter and intake manifold
- q Installation position: arrow points direction of flow

USA models



- 1 Secondary air inlet valve -N112-
- q Checking \rightarrow Chapter
- 2 Crankcase breather
- 3 Secondary air pump motor -V101-
- 4 Throttle valve module -J338-
- 5 Non-return valves
- q Between activated charcoal filter and intake pipe upstream of turbocharger
- q Installation position: arrow points direction of flow
- 6 Charge air cooler
- q With charge pressure sender -G31-
- q Checking charge pressure sender -G31-<u>→ Chapter</u>
- 7 Non-return valve
- q Fitted into vacuum reservoir
- 8 Vacuum reservoir
- q For fuel system diagnostic pump -V144-

- 9 Activated charcoal filter solenoid valve 1 -N80-
- 10 Test connection
- 11 Fuel system diagnostic pump -V144-
- q Checking \rightarrow Rep. Gr.20
- 12 To activated charcoal filter
- 13 To activated charcoal filter
- 14 Turbocharger
- q Checking charge pressure \rightarrow Chapter
- 15 Vacuum unit for charge pressure control
- 16 Mechanical air recirculation valve
- q Checking \rightarrow Chapter
- 17 Brake servo
- 18 Non-return valve
- q Between brake servo and intake manifold
- q Installation position: arrow points direction of flow
- 19 Solenoid valve for charge pressure control -N75-
- q Checking \rightarrow Chapter
- 20 Air mass meter -G70-
- 21 Air cleaner
- 22 Pressure control valve for crankcase breather system
- 23 Combination valve for secondary air system
- 24 Vacuum reservoir
- q Bolted to cylinder head cover
- 25 Fuel pressure regulator
- 26 Intake manifold
- q With intake air temperature sender -G42-
- 27 Non-return valve
- q Installation position: arrow points direction of flow
- 28 Turbocharger air recirculation valve -N249-
- q Checking \rightarrow Chapter