

SECONDARY AIR SUPPLY SYSTEM

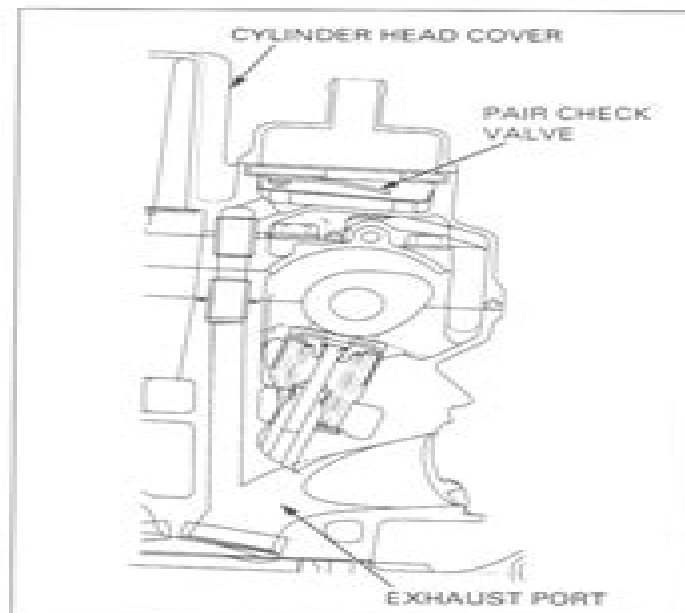
NOTE:

- This model is equipped built-in secondary air supply system. The pulse secondary air supply system is located on the cylinder head cover.
- The secondary air supply system introduces filtered air into exhaust gases in the exhaust port. The secondary air is drawn into the exhaust port whenever there is negative pressure pulse in the exhaust system. This charged secondary air promotes burning of the unburned exhaust gases and changes a considerable amount of hydrocarbons and carbon monoxide into relatively harmless carbon dioxide and water.

Check the air injection hoses between the PAIR (pulse secondary air injection) control solenoid valve and cylinder head cover for deterioration, damage or loose connections. Make sure that the hoses are not cracked.

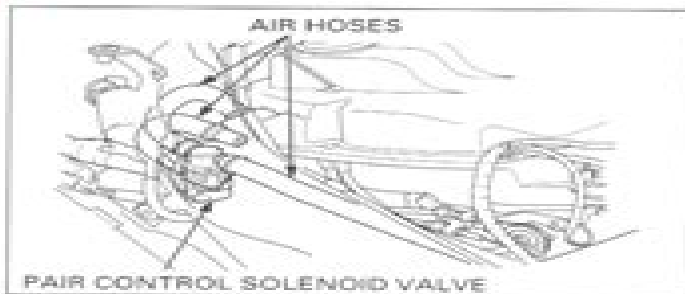
NOTE:

If the hoses show any signs of heat damage, inspect the PAIR check valve in the PAIR reed valve cover for damage.



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Check the air suction hose between the air filter and PAIR control solenoid valve for deterioration, damage or loose connections. Make sure that the hoses are not kinked, pinched or cracked.

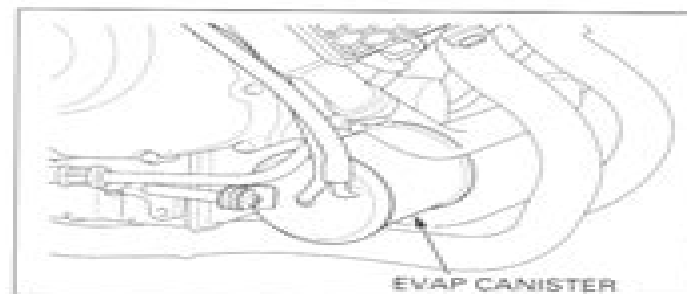


EVAPORATIVE EMISSION CONTROL SYSTEM (CALIFORNIA TYPE ONLY)

Check the tubes between the fuel tank, EVAP canister, EVAP purge control solenoid valve for deterioration, damage or loose connections.

Check the EVAP canister for cracks or other damage.

Refer to the VACUUM HOSE ROUTING DIAGRAM LABEL (page 1-47) and CABLE & HARNESS ROUTING (page 1-24) for tube connections.



Emission Control System Pontiac 2001 Manual

B Lingard



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