

Emission Control Systems

Secondary Air Injection System

The secondary air injection system introduces filtered air into the exhaust gases in the exhaust port. The secondary air injection system helps improve emission performance.

Three-Way Catalytic Converters (California only)

The three-way catalytic converters are in the exhaust system. Through chemical reactions, they convert HC, CO, and NO_x in the engine's exhaust to carbon dioxide (CO₂), dinitrogen (N₂), and water vapor.

Oxidation Catalytic Converters (49-state & Canada)

The oxidation catalytic converters are in the exhaust system. Through chemical reactions, they convert HC and CO in the

engine's exhaust to carbon dioxide (CO₂) and water vapor.

Evaporative Emission Control System (California only)

This motorcycle complies with the requirements of the California Air Resources Board (CARB) evaporative emission regulations. Fuel vapor from the fuel tank is directed into the charcoal canister and air cleaner where it is adsorbed and stored while the engine is stopped. When the engine is running and the purge control solenoid valve is open, fuel vapor in the charcoal canister and air cleaner is drawn into the engine through the throttle body.