

# Emission Control Systems

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## Source of Exhaust Emissions

The combustion process produces carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), and hydrocarbons (HC). Control of hydrocarbons and oxides of nitrogen is very important because, under certain conditions, they react to form photochemical smog when subjected to sunlight. Carbon monoxide does not react in the same way, but it is toxic.

Honda Motor Co., Ltd. utilizes lean carburetor settings and other systems to reduce carbon monoxide and hydrocarbons.

## Exhaust Emission Control System

The exhaust emission control system consists of a secondary air injection system.

No adjustments to this system should be made although periodic inspection of the components is recommended.

## Secondary Air Injection System

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

## Crankcase Emission Control System

The engine is equipped with a closed crankcase system to prevent discharging crankcase emissions into the atmosphere. Blow-by gas is returned to the combustion chamber through the air cleaner and the carburetor.

## Problems That May Affect ATV Exhaust Emissions

If you are aware of any of the following symptoms, have the vehicle inspected and repaired by your Honda ATV dealer.