

1974-79 EXHAUST EMISSION SYSTEMS

Jaguar Catalytic Converters

3-247

All Models

DESCRIPTION

The catalytic converter system is used to help control the emission of unburned hydrocarbons (HC) and carbon monoxides (CO). A chemical reaction which converts HC and CO to less harmful carbon dioxide and water vapor takes place when air is injected into the hot exhaust gas. On XJ6, a three-way catalyst is employed to control CO, HC and NOx.

SERVICING

XJ6L - The catalytic converter should be replaced every 50,000 miles. Over extended mileage, the pore on the surface of the block becomes coated and the effectiveness of the unit is reduced.

XJS & XJ12 - The catalytic converter should be replaced every 25,000 miles. To further reduce carbon monoxide and hydrocarbon emissions, a system maintenance indicator is built into the center switch panel. The indicator lights at 25,000 miles indicating renewal of catalytic converters and EGR maintenance. The device is reset to "0" after maintenance using a special key. The switch mechanism is built into the speedometer flexible drive line. The unit is a gear driven mechanical reduction unit and is fitted with a magnetically operated reed switch.