

1974-79 EXHAUST EMISSION SYSTEMS

Porsche Catalytic Converters

All Models (Exc. Turbo Carrera)

NOTE: The Turbo Carrera uses a thermal reactor instead of a catalytic converter. No additional information on this unit is available at time of this publication.

DESCRIPTION

A catalytic converter is used on all Porsche models (except Turbo Carrera) to aid in reduction of emissions. Installed ahead of muffler, the converter changes CO and HC emissions into water vapor and carbon dioxide.

Located in front of the catalytic converter is a connecting tube which leads to the EGR valve. This tube picks up exhaust gas for recycling. Also on the front part of the converter is another connection. This is the connecting point for the exhaust gas analyzer used during tune-up and during catalytic converter testing.

TESTING

924 & 911 SC

1) Bring engine up to normal operating temperature. Connect exhaust gas analyzer to connection in front of catalytic converter and in accordance with manufacturer's instructions. Run engine at idle speed.

2) Read CO% level on analyzer. Adjust CO% level if higher than specified. See CATALYTIC CONVERTER CO% LEVEL VALUES table in this article and PORSCHE TUNE-UP PROCEDURES article.

3) Now, connect the exhaust gas test line to tailpipe and read CO% level on analyzer. The CO% level at tail pipe should be significantly lower than CO% measured in front of converter. If no difference exists, converter is ineffective and must be replaced.

912E & 914

1) With engine at normal operating temperature, connect exhaust probe of exhaust gas analyzer to test connection in front of converter. On 2.0L engine, disconnect and plug air injection hose at air pump. Take CO% level reading. If not to specifications, adjust idle CO% level.

2) Connect exhaust probe and reconnect air injection on 2.0L engine. Reading at tailpipe should be within specifications and lower than value in front of converter. If not, converter is defective and must be replaced.

CATALYTIC CONVERTER CO% LEVEL VALUES

Application	At Test Connection	At Tailpipe
1.8L2-.8	0-.4
2.0L	1-3	0-.4