
GROUP 15

INTAKE AND EXHAUST

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AIR INTAKE SYSTEM

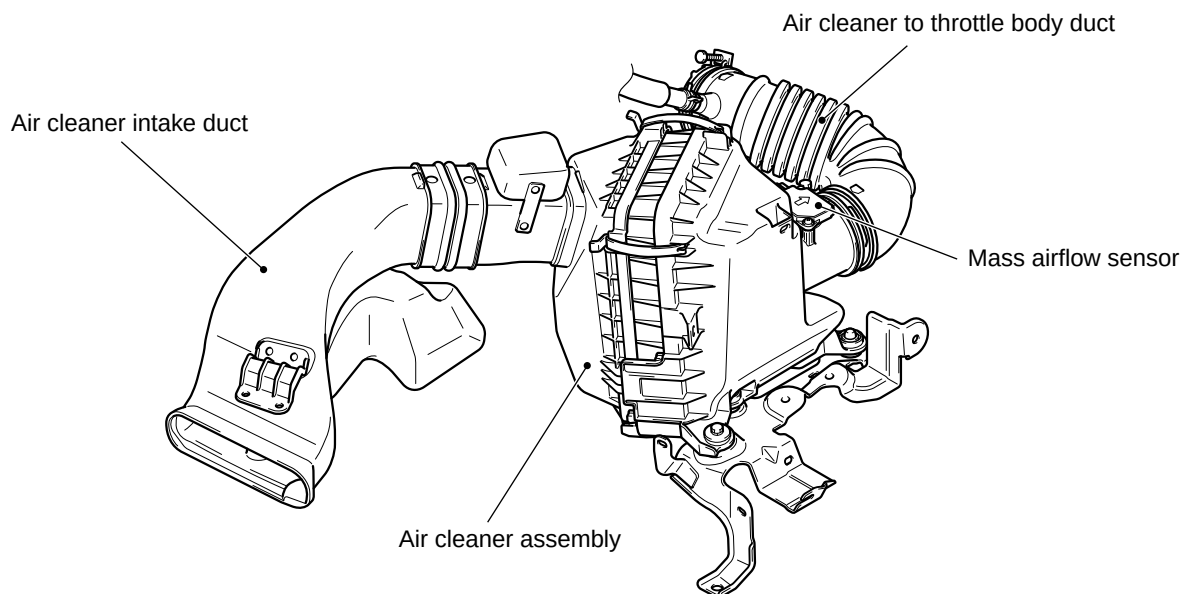
AIR DUCT AND AIR CLEANER

A front air intake system that actively sucks cooling air from the front through the top of the radiator has been

adopted in order to improve engine performance and reduce air intake noise.

CONSTRUCTION DIAGRAM

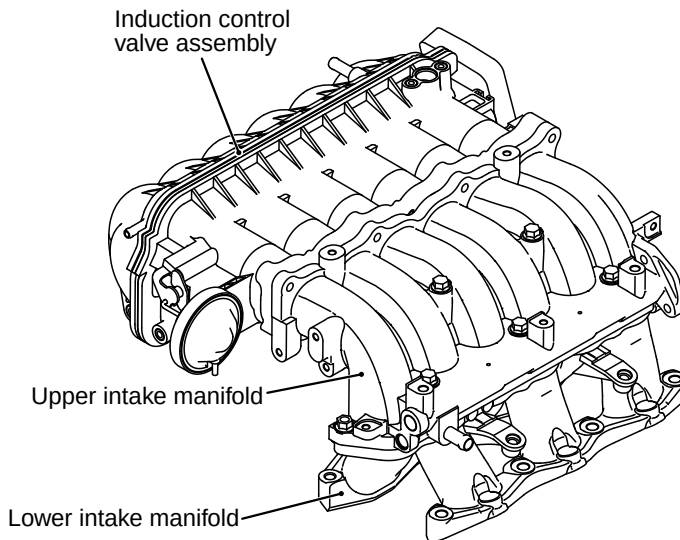
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ZC6003310000

INTAKE MANIFOLD

M21500000050USA0000010000



ZK602609AA00

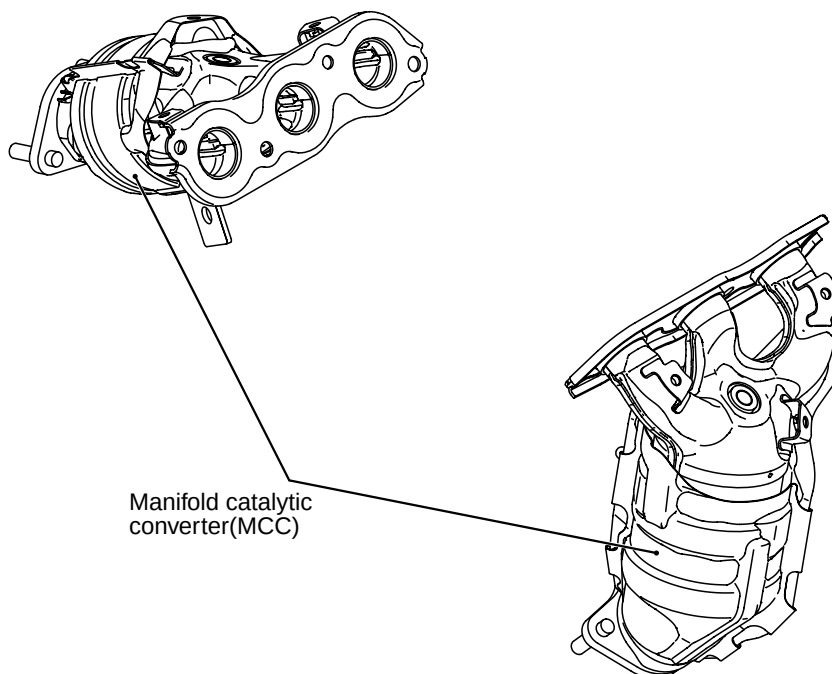
The intake manifold consists of the induction control valve assembly, the upper intake manifold and the lower intake manifold.

The induction control valve assembly is made of resin, the upper intake manifold and the lower one are made of an aluminum cast to be lightweight. The induction control valve assembly and the upper intake manifold cannot be overhauled. They must be replaced as an assembly. Exhaust Gas Recirculation (EGR) distribution aisle is had by upper intake manifold built-in.

EXHAUST SYSTEM

EXHAUST MANIFOLD

M21500000060USA0000010000

Manifold catalytic
converter(MCC)

ZK602610AA00

The exhaust manifold clam-shell design reduces heat capacity and improves exhaust gas performance.

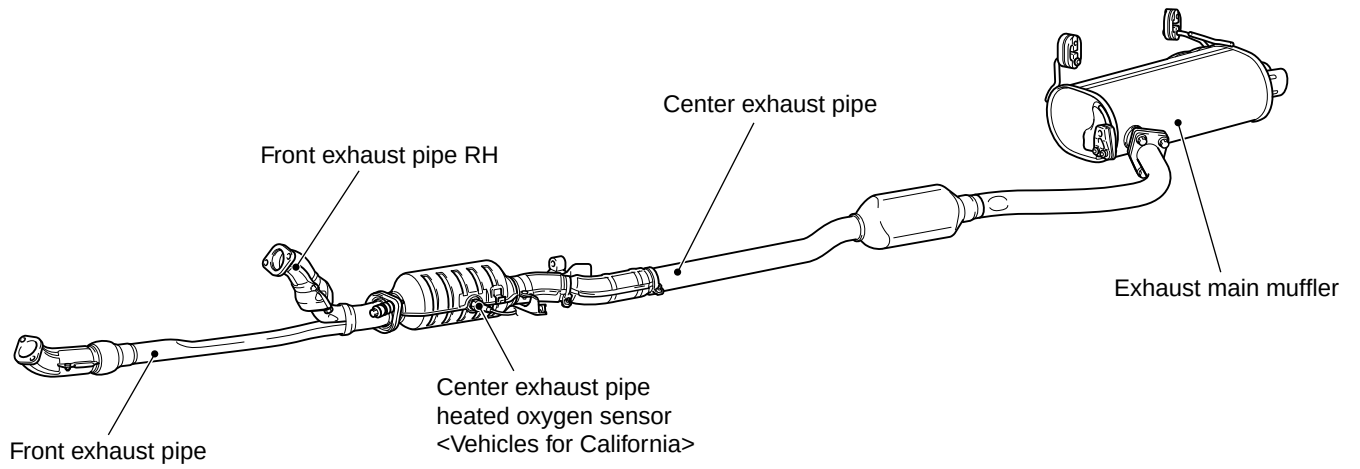
It advances the early warm-up of the catalyst and improves the exhaust gas performance especially right after the engine start by installing the manifold catalytic converter just under the exhaust manifold.

EXHAUST PIPE AND MUFFLER

The exhaust system is composed of the front exhaust pipe, center exhaust pipe, and main muffler, and it has the following characteristics.

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CONSTRUCTION DIAGRAM



MEMO