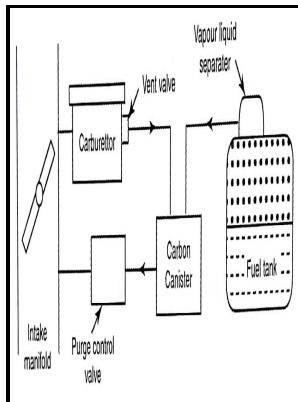


Fuel system and emission control.

Pearson Prentice Hall - What to Do If Check Emission System is On Honda Civic



Description: -

- Automobiles -- Pollution control devices -- Maintenance and repair -

- Handbooks, manuals, etc.

Automobiles -- Fuel systems -- Maintenance and repair --

Handbooks, manuals, etc. Fuel system and emission control.

-Fuel system and emission control.

Notes: Includes bibliographical references and index.

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Automotive Emission Control Systems

A number of other designs have been studied involving variations of engine combustion cycles such as turbocharged gasoline and diesel two- and four-stroke designs. Learn more about this important system, how to find the cause of the DTC and steps to take to fix the problem. Just like any part, the evaporative emission control system sensor can wear out.

How Automotive Emission Systems Work

Direct injection: The injection chamber is located in the cylinder head. An EGR valve is used to lower KNOX NO₂ gases which occur when the combustion chamber temperature reaches over 3500°.

Fuel System And Emissions control.. automotive electronic fundamentals

There are two types of catalytic converter, a two-way and a three-way converter.

Reduce Fuel Vapor Emissions With a Complete Suite of Environmentally Friendly Solutions From Eaton's Vehicle Group

In addition, computer-controlled fuel-injection systems ensure more precise air-fuel mixtures, creating greater efficiency in combustion and lower generation of pollutants. The dosage, preparation and distribution of air and petrol in a precise manner for each combustion cycle enable fuel consumption and emissions to be reduced. Rather the objective is to achieve a target level of emissions from the entire system.

Emissions Controls: and Fuel Economy

However, did you know that there's another type of emission that comes from our cars? Often, gas caps are made so that they will click once to indicate they are tightened.

Actuators in injection systems: improving fuel efficiency and emissions

Another area for additional combustion is the , consisting of an insulated chamber containing ceramic pellets or a ceramic honeycomb structure

coated with a thin layer of metals such as platinum and palladium. As the engine warms up and NOX starts to rise, the flow of air is diverted from the exhaust manifold directly to the converter where it enters a chamber between the two catalysts.

Actuators in injection systems: improving fuel efficiency and emissions

Evaporative Emission Control System EVAP The EVAP monitor runs a self-test that checks the integrity of the system to make sure there are no leaks. This is important because fuel vapors contain a variety of hydrocarbons. As a result, Ford and GM both waited until 2010 to meet the standard, which required the use of selective catalytic reduction SCR , and that Ford and GM debuted on the new and launched as 2011 models.

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