Exhaust Gas Recirculation Systems
Chapter 84

ACROSS
2 Most Fords use an EGR monitor test sensor called a ______ ______.
7 Gm calls the EGR valve-control solenoid an ______.
10 A P0400 DTC would indicate ______ ______.
11 ________, also called spark knock or ping, occurs when high pressure and heat cause the air-fuel mixture to ignite.
12 Many PCM-controlled EGR systems have one or more ______ ______ controlling the EGR vacuum.
13 The digital EGR valve offers precise control and using a swivel pintle design helps prevent ______ ______ deposit problems.
14 The recirculated exhaust gas is ______ and does not enter into the combustion process.

DOWN
1 ________ is an emission control system that lowers the amount of NOx formed during combustion.
3 A linear ______ ______ sensor is called a ______ ______.
5 ______ ______ exhaust hoses should not be connected to the tailpipe on any vehicle while performing an inspection of the EGR system.
6 Most GM and many other vehicles use a ______ ______ that contains a pulse-width modulated solenoid to precisely regulate exhaust gas flow and a feedback potentiometer that signals the PCM regarding the actual position of the valve.
8 In the presence of sunlight, ______ ______ react with hydrocarbons in the atmosphere to form ozone or photochemical smog, an air pollutant.
9 EGR system operating is usually not required during ______ ______.

5 ______ ______ exhaust hoses should not be connected to the tailpipe on any vehicle while performing an inspection of the EGR system.