ACROSS

3. If a sensor is defective yet still produces a signal to the computer, the computer will often accept the reading and make the required changes in fuel delivery and spark, to diagnose this, perform the ______ __ _____.
7. The potentiometer provides the information the computer needs to vary the injector ______ ______ proportionate to airflow.
9. A P0102 DTC would indicate _____________________.
11. The ______ ______ uses a temperature sensing resistor to measure the temperature of the incoming air.
13. ______ ______ is measured in hertz.
14. The ______ ______ is similar to the hot film type, but uses a hot wire to sense the mass airflow instead of the hot film.

DOWN

1. A P0103 DTC would indicate _____________________.
2. Most newer fuel injection systems use a ______ ______ ______ to calculate the amount of air volume delivered to the engine.
4. With the engine running at idle speed, gently tap the MAF sensor with the fingers of an open hand, this is called the ______ _______.
5. Older systems use a movable vane in the intake stream called a ______ ______ _______.
6. Some high wire-type MAF sensors use a ______ ______ to keep the sensing wire clean of dust and dirt.
8. Electronic fuel injection systems that do not use the ______ ______ system for fuel calculation measure the airflow volume delivered to the engine.
10. A ______ ______ sensor sends a sound wave through the turbulence created by incoming air passing through the sensor.
11. A ______ ______ sensor is a sensor that has a major influence over the amount of fuel being delivered to the engine.
12. If an air hose between the MAF sensor and the throttle body was loose or had a hole, extra air could enter the engine without being measured, this air is called ______ ______.