

Intake Air System	Component
1	Air Cleaner Inlet
2	Air Cleaner Element
3	Mass Airflow/Intake Air Temperature Sensor
4	Air Cleaner Outlet
5	Crankcase Pressure Sensor (If Equipped)
6	Throttle Body
7	Upper Intake Manifold
8	Exhaust Gas Recirculation (EGR)
9	EVAP Canister Vent Valve
10	EVAP Canister
11	EVAP Purge Valve
12	Positive Crankcase Ventilation (PCV)
13	Intake Air Resonator

INTAKE AIR SYSTEMS > THROTTLE BODY SYSTEM OVERVIEW

The throttle body system meters air to the engine during idle, part throttle, and wide open throttle (WOT) conditions. The throttle body system consists of single or dual bores with butterfly valve throttle plates and a throttle position (TP) sensor. The airflow is measured by the MAF sensor.

The major components of the throttle body assembly include the TP sensor and the throttle body housing assembly. For additional information on the intake air system components, refer to ENGINE CONTROL COMPONENTS in this service information.

INTAKE AIR SYSTEMS > FEATURES OF THE THROTTLE BODY ASSEMBLY INCLUDE

1. A preset stop to locate the WOT position.
2. A throttle body mounted TP sensor.
3. A coating sealant on the throttle bore and throttle plate makes the throttle body airflow tolerant to engine intake sludge accumulation. Some vehicles have a decal advising not to clean.
4. A non adjustable stop screw for close plate idle airflow.

INTAKE AIR SYSTEMS > INTAKE MANIFOLD RUNNER CONTROL (IMRC) AND INTAKE MANIFOLD TUNING VALVE (IMTV)