

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

1. **Engine/Propulsion**
2. **Engine Controls and Fuel - 6.2L (LT2)**
3. **Repair Instructions**
- 4.

Throttle Body Idle Air Flow Compensation Reset

Diagnostic Instructions

- Perform the Diagnostic System Check prior to using this diagnostic procedure: Diagnostic System Check - Vehicle
- Review the description of Strategy Based Diagnosis: Strategy Based Diagnosis

Description

For an overview of the component/system, refer to: Throttle Actuator Control (TAC) System Description

This procedure triggers the control module to learn the values of the component: Q38 Throttle Body - Airflow Adaptive Values

When to Perform the Procedure

Note :

Failure to perform this procedure may result in poor system performance, DTCs being set, or customer dissatisfaction.

Perform this procedure when the following component has been serviced: Q38 Throttle Body - Cleaned / Replaced

Conditions for Running the Procedure

- DTC P0068, P0101, P0102, P0103, P0106, P0107, P0108, P0116, P0117, P0118, P0120, P0122, P0123, P0128, P0171, P0172, P0174, P0175, P0201, P0208, P0220, P0222, P0223, P0261, P0262, P0264, P0265, P0267, P0268, P0270, P0271, P0273, P0274, P0276, P0277, P0279, P0280, P0282, P0283, P0300, P0308, P0351, P0358, P0496, P0601, P0604, P0606, P060D, P0641, P0651, P0697, P06A3, P06D2, P1248, P1249, P124A, P124B, P1516, P16A0, P16A2, P2101, P2119, P2120, P2122, P2123, P2125, P2127, P2128, P2135, P2138, P2147, P2148, P2150, P2151, P2153, P2154, P2156, P2157, P216B, P216C, P216E, P216F, P217B, P217C, P217E, P217F, P2176, P2300, P2301, P2303, P2304, P2306, P2307, P2309, P2310, P2312, P2313, P2315, P2316, P2318, P2319, P2321, P2322
- Ignition = On
- Vehicle Speed Sensor = 0 > km/h (0 > MPH)

Reference Information

Scan Tool Reference

Control Module References

With Scan Tool

1. Ignition >> On / Vehicle >> In Service Mode
2. Select: Module Diagnostics
3. Select: Engine Control Module
4. Select: Configuration/Reset Functions
5. Select: Reset Functions
6. Select: Throttle Body Idle Air Flow Compensation Reset
7. Follow the instructions on the scan tool.

8. Verify the scan tool parameter: Throttle Body Idle Air Flow Compensation = 0>%
9.
 - **If greater than 0>**
 - Repeat step 1>
10.
 - **If 0>**
11. Engine >> Idling - At normal operating temperature
12. Verify the scan tool parameter: Engine Speed = $\tilde{A}\hat{A}'100+200$ hinsp;RPM of the Desired Idle Speed
13.
 - **{ Test failed 1> time(s) } If not in the specified range**
14.
 1. Engine >> Idling - For greater than 3> min
 2. Ignition/Vehicle >> Off - For greater than 1> min
 3. Engine >> Idling - For greater than 3> min
 4. Repeat step 9>
15.
 - **{ Test failed 2> time(s) } If not in the specified range**
16.
 1. Perform the following action: Road test the vehicle.
 2. Vehicle Speed - Greater than 70 km/h (44 MPH)
 3. Decelerate - For 2> s
 4. Repeat step 10.2 - 3> times
 5. Engine >> Idling - For greater than 3> min
 6. Repeat step 9>
17.
 - **{ Test failed 3> time(s) } If not in the specified range**
 - Refer to: Diagnostic System Check - Vehicle
18.
 - **If in the specified range**
19. All OK.

Repair Instructions

Perform the Diagnostic Repair Verification after completing the repair: Diagnostic Repair Verification