

2022 CHEVROLET CORVETTE SERVICE MANUAL

- **SEARCH**

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Air Cleaner Monitor Setup

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: Owner's manual

The Air Cleaner Monitor Setup is used to inform the driver when the next service interval is required. The Air Cleaner Monitor displays the status of the air cleaner, the Air Cleaner Life Remaining, and displays the percentage of air cleaner life. The Air Cleaner Monitor Setup can be used to Disable/Enable the monitor and Reset the Air Cleaner Life Remaining percentage.

The control module K20 monitors the following:

- Air Cleaner Monitor Test Result
- Ambient Air Temperature
- Distance Traveled
- Engine Coolant Temperature
- Engine Load
- Engine Speed
- Humidity Sensor Intake Air Temperature Signal
- Time Since Last Service Interval Reset
- Total Mass Air Flow
- Vehicle Speed

If air cleaner maintenance is required the Replace Filter Now message will be activated when the control module P16 Instrument Cluster receives a serial data message from the control module K20 Engine Control Module.

This procedure resets the control module learned values of the component/system: Air Cleaner Monitor

When to Perform the Procedure

Perform this procedure when the following component has been serviced: Air Cleaner Element - Replaced

Conditions for Running the Procedure

- DTCs related to the following system/component = Not Set - Induction System
- Air Cleaner Monitor = Enabled
- Air Cleaner Monitor Test Result = OK
- Ignition = On & Engine = Off
- Vehicle Speed = 0 > km/h (0 > MPH)

Reference Information

Scan Tool Reference

Control Module References

With Scan Tool

1. Ignition >> On / Vehicle >> In Service Mode & Engine >> Off
2. Select: Module Diagnostics
3. Select: [K20] Engine Control Module
4. Select: Configuration/Reset Functions
5. Select: Air Cleaner Monitor Setup
6. Select: Reset
7. Verify the display at the component: P16 Instrument Cluster - Air Filter Life = 100
8.
 - **If not the specified value**
 - Repeat the procedure starting at step 1>
9.
 - **If the specified value**
10. All OK.

Without Scan Tool

Refer to: Owner's manual

Repair Instructions

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