

Throttle Relearn

Tested Model: BENZ C 220 2019

Function Description:

Throttle Relearn involves using a diagnostic tool to initialize the throttle actuator. This resets the ECU's learned values to their initial status, enabling more accurate control of the throttle (or idle motor) to regulate intake air mass flow.

Throttle matching is required in the following scenarios:

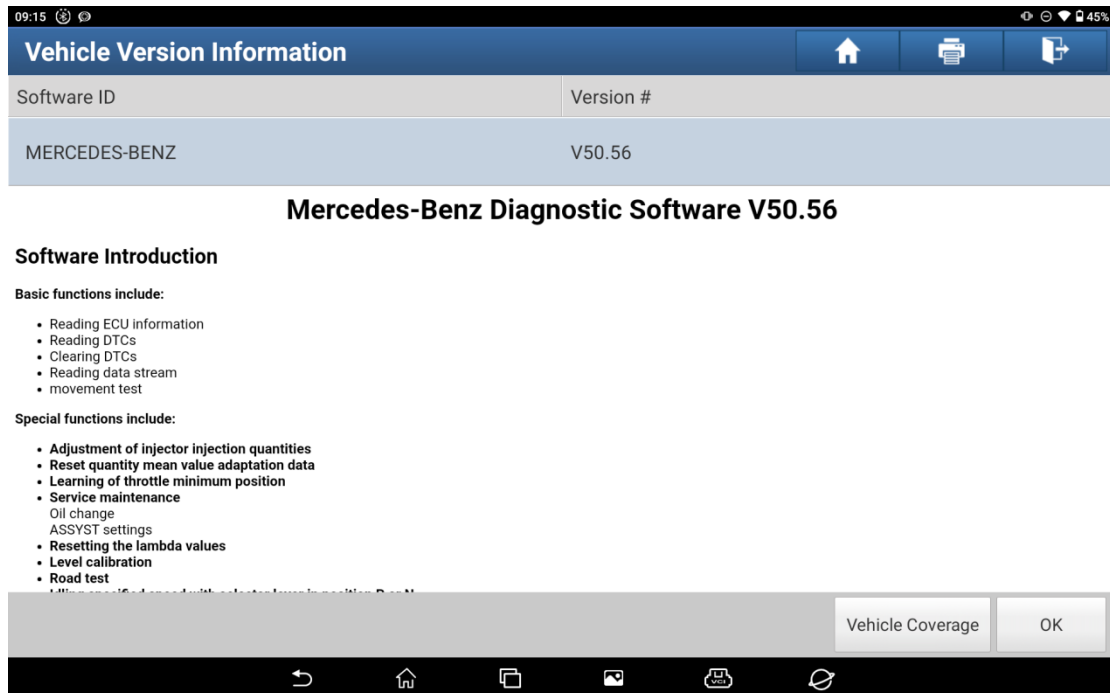
1. After replacing the ECU, the ECU does not yet have stored characteristics regarding throttle operation, so matching is required.
2. After ECU power loss, memory stored in the ECU is lost, so matching is required.
3. After replacing the throttle assembly, matching is required.
4. After replacing or removing/installing the intake manifold, if the coordinated operation between the ECU and throttle body for idle control is affected, matching is required.
5. After cleaning the throttle body, although the characteristics of the idle throttle potentiometer remain unchanged, the intake air mass flow at the same throttle opening has changed, altering idle control characteristics; therefore, matching is required.

Execution Conditions:

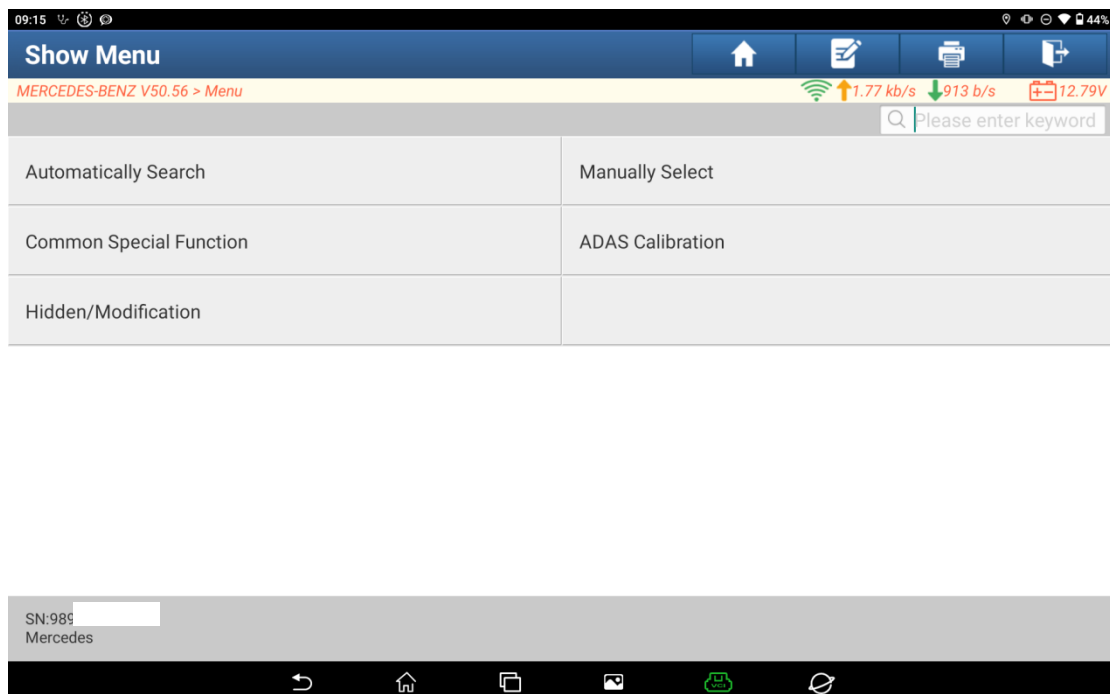
- Ignition switch ON
- Internal combustion engine OFF
- Accelerator pedal not operated

Procedure:

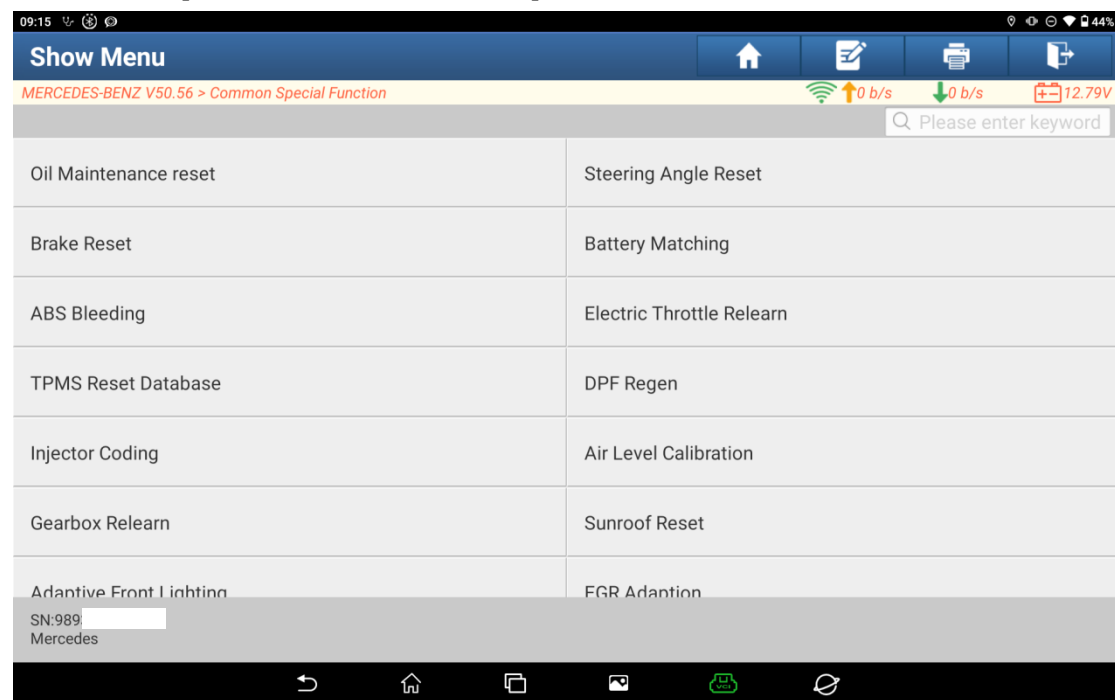
1. Choose [Local Diagnose], and then choose [Mercedes-Benz] for testing.



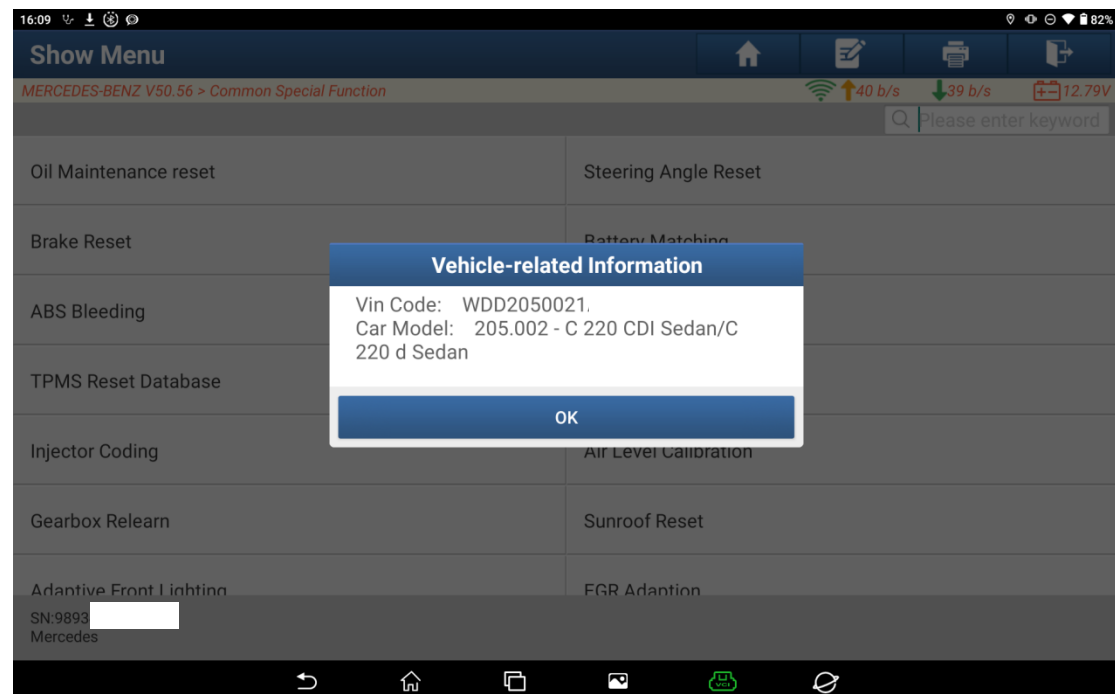
2. Choose [Common Special Function].



3. Choose [Electric Throttle Relearn].



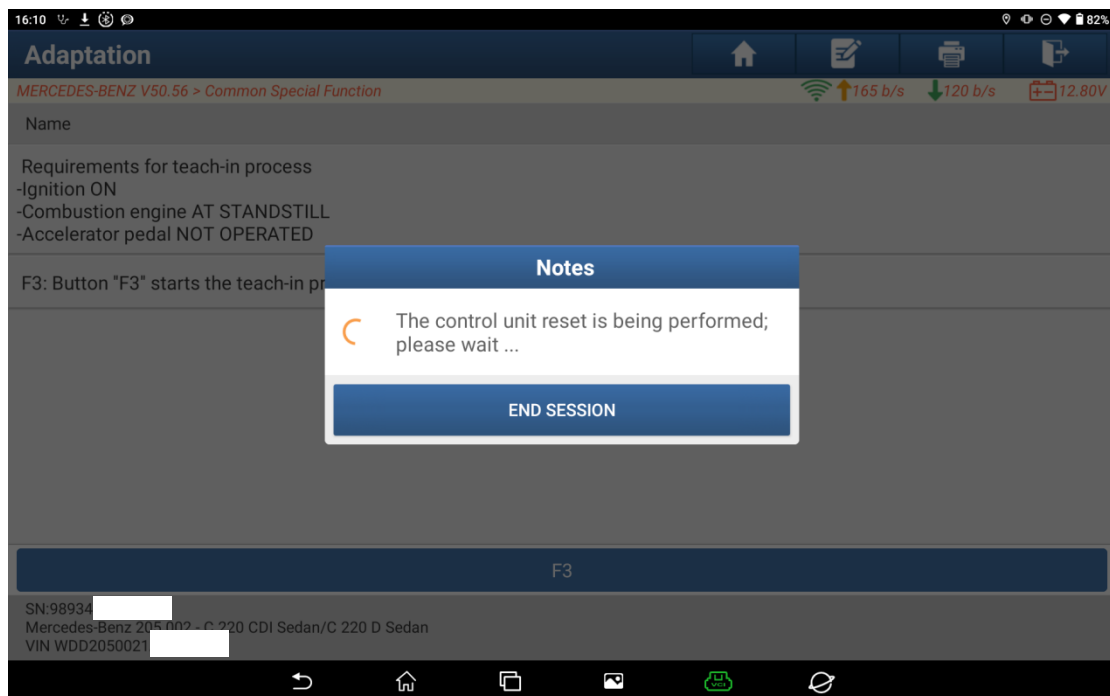
4. Confirm the vehicle information and click “OK”.



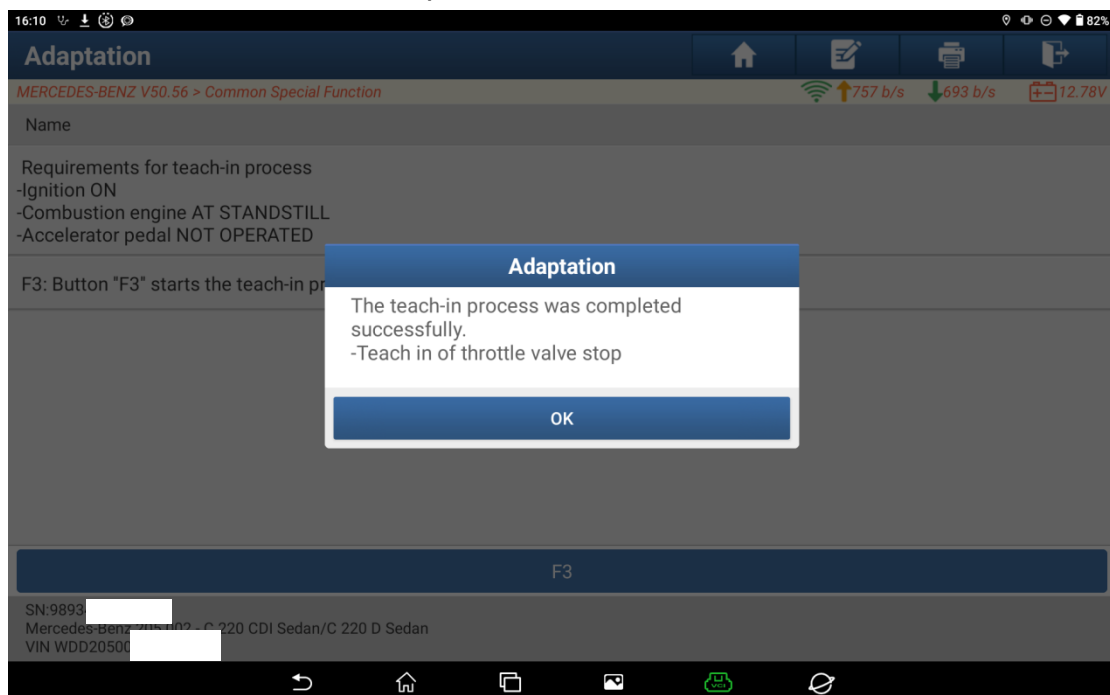
The image shows a mobile application interface. At the top, there is a blue header bar with the text "Show Menu" and several navigation icons (home, edit, print, share). Below the header is a yellow status bar displaying network speed (1.66 kb/s up, 1.54 kb/s down) and battery level (82%). The main content area is white and features a search bar with the placeholder text "Please enter keyword". Below the search bar is a large white box containing the text "Learning Of The Throttle Valve Stop". At the bottom of the screen, there is a grey bar with vehicle information: "SN: 98934", "Mercedes-Benz 205.002 - C 220 CDI Sedan/C 220 D Sedan", and "VIN WDD2050021".

The image shows a mobile application interface for a Mercedes-Benz vehicle. At the top, there is a blue header bar with the title "Adaptation" and several navigation icons (home, edit, print, share). Below the header is a yellow status bar displaying "MERCEDES-BENZ V50.56 > Common Special Function" and network status icons (Wi-Fi, cellular data, battery). The main content area is white and contains a "Name" field with the text "Requirements for teach-in process" and a list of conditions: "-Ignition ON", "-Combustion engine AT STANDSTILL", and "-Accelerator pedal NOT OPERATED". Below this is a section titled "F3: Button 'F3' starts the teach-in process." and a large empty white box. At the bottom, there is a blue bar with the text "F3" and a grey bar with vehicle information: "SN:9893483", "Mercedes-Benz 205.002 - C 220 CDI Sedan/C 220 D Sedan", and "VIN WDD205002".

7. Start throttle relearn.



8. Function execution is completed.

**Statement:**

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