Service Reset Tool for BMW
User Guide

Check Your Package Contents

Your AutoEnginuity Service Reset Tool package should contain:

- 1 x AutoEnginuity Service Reset Tool for BMW
- 1 x Mini USB cable
- 1 x User Guide

NOTE: If any of the above items are missing, please contact your reseller.

Updating the Firmware

The AutoEnginuity Service Reset Tool is field-updatable with a Microsoft Windows-based personal computer. Firmware updates are available online at www.autoenginuity.com/dloads/resetservicetoolfirmware.

Once you have the file on your Windows computer, connect the mini-USB cable to your computer’s USB port. Make sure that the red LED illuminated. If the red LED is blinking, the power level is too low. It is NOT necessary to connect to a vehicle during the firmware update. First, try connecting to a different USB port to find one that has a higher power output. However, in the case that your computer can’t sufficiently power the hardware, try connecting the AutoEnginuity Service Reset Tool to both the a vehicle’s DLC and to the Windows computer.

With the AutoEnginuity Service Reset Tool cabled to the computer and correctly powered up, it’s time to update the firmware. Locate the place where the firmware file was downloaded to on your computer and double-click the Firmware Update.exe file. The software should launch an update screen. Follow the instructions as shown in the software.

Overview

The AutoEnginuity Service Reset Tool will allow you to perform the BMW Service Inspection Reset (SIR) and Conditional Based Service (CBS) Oil Service reset and will also allow you to perform the battery replacement registration as required for late-model BMW battery replacement.

The AutoEnginuity Service Reset Tool does not require a personal computer or require you to enter the make, model, or year of the vehicle; with a push of a button the hardware will intelligently determine the correct protocol and commands--it’s a true one-touch reset tool.

The AutoEnginuity Service Reset Tool is field-updatable and will help you to continue to purchase newer BMWs without having to purchase a new reset tool. Firmware updates are available online at www.autoenginuity.com/dloads/resetservicetoolfirmware.

• Battery Replacement Registration

WARNING: DO NOT USE A BATTERY OTHER THAN THE EXACT AGM BMW-EQUIVALENT REPLACEMENT WHEN PERFORMING A BATTERY REPLACEMENT. THIS TOOL WILL NOT ALLOW CHANGES FOR BATTERY TYPE OR CAPACITY.

To replace a battery on your modern BMW, you will require registering the replacement with the microcontroller monitoring the Intelligent Battery Sensor (IBS). Performing this replacement registration is necessary because the IBS learns the battery state of charge, driving habits, and builds a history of the state of charge. The IBS uses that history to determine the operating speed of the variable speed alternator. This operation is used to properly balance the charge and discharge current of the battery. Without registering a replacement, several problems be arise as a result such as over charging the battery, reduced fuel mileage due to unnecessary charging.

To perform the Battery Replacement Registration on your late model BMW: press the button on the bottom of the AutoEnginuity Service Reset Tool it will be labelled BATTERY. The green LED will briefly illuminate and then go out. If the green LED is blinking, a failure code was returned by the vehicle. In case of error double-check that your vehicle requires this process to be performed and that you are doing this without issues on the vehicle that could cause an error. Finally, if the problem persists, check your BMW service information for more details about correct operational requirements.

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Operation Instructions

1. Connect the AutoEnginuity Service Reset Tool to the vehicle’s DLC. (See your vehicle’s Owners Manual if you need help finding the DLC location.) The AutoEnginuity Service Reset Tool should illuminate the red LED on the top of the hardware. If the red LED is blinking, the power level is too low to properly operate the AutoEnginuity Service Reset Tool either connect a battery charger to the vehicle or run the vehicle long enough to resolve this issue.

2. Turn your vehicle’s ignition to the On position. This should illuminate the instrument cluster and the gauges. Do NOT run the vehicle as the operations will fail.

3. There are two operational functions contained within the AutoEnginuity Reset Service Tool:

   - **Oil Service Reset**
     
     To reset the Oil Service on your ‘01 and later BMW, press the button on the bottom of the AutoEnginuity Service Reset Tool. It will be labeled OIL. The green LED will briefly illuminate after pressing the red button, and then will go out. If the green LED is blinking, a failure code was returned by the vehicle. In some cases, an error code can be returned by the vehicle because the service interval is already too short and unnecessary. The two most common reasons for failure are engine running or the service reset is unnecessary because the engine oil is above 80%.

     Once the process completes, cycle the key from the On position to Off and back to the On position. On some models you can verify that the process has completed successfully.

     In the case of older BMWs, a color-coded bar on the lower-left portion of the instrument cluster will display the oil service state. If all the green bars are illuminated, then the process completed successfully.

     On the newer BMW models, the CBS will reset the internal counter to 100%. If a service indicator was illuminated on the vehicle when this process started, it should not appear when the process completes and the ignition key is cycled.

     You can verify this on some models with the iDrive. If your vehicle is so equipped, simply select the menu item Vehicle Info or Service Info (depending on the model). Then select Vehicle Status. Finally, select Engine Oil. Your model may be set for 12,000 or 15,000, so if either is now set then the process completed successfully.