

Mercedes Benz SCN Coding and Variant Coding

What is SCN Coding and Variant Coding?

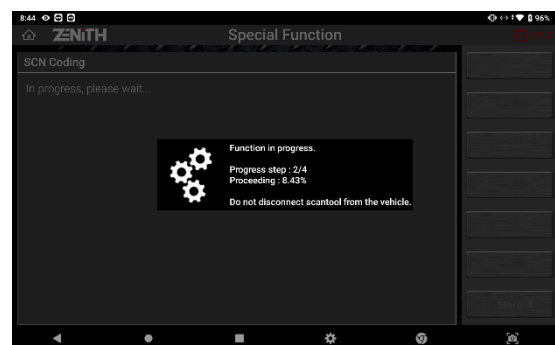
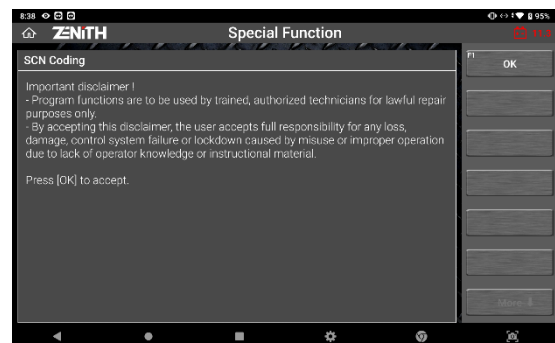
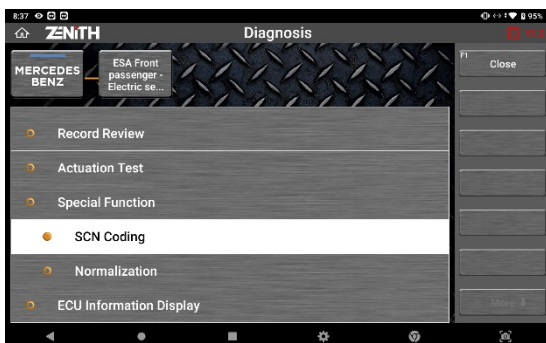
Software Calibration Number (SCN) Coding is also known as ECU re-flashing which downloads the entire data to the control module's memory, and the process is required when the control module needs to be replaced.

Once SCN Coding is done on a control module, in many cases Variant coding is also required, which is customizing the control module to the actual conditions of the vehicle by changing the settings and values of various control variants, such as LHD/RHD, daytime running lamp ON/OFF, MPH/KPH, etc.

SCN Coding Supported vehicle models

Mercedes Benz SCN coding function has been available since the release of Jan 2023 update.

This function supports Body, Seat/Door, and Air conditioning control modules of CLASS (A, B, C, E, G, M, R, S, V, CLx, GLx, EQx, AMG and Sprinter)



Highly risky nature of SCN Coding

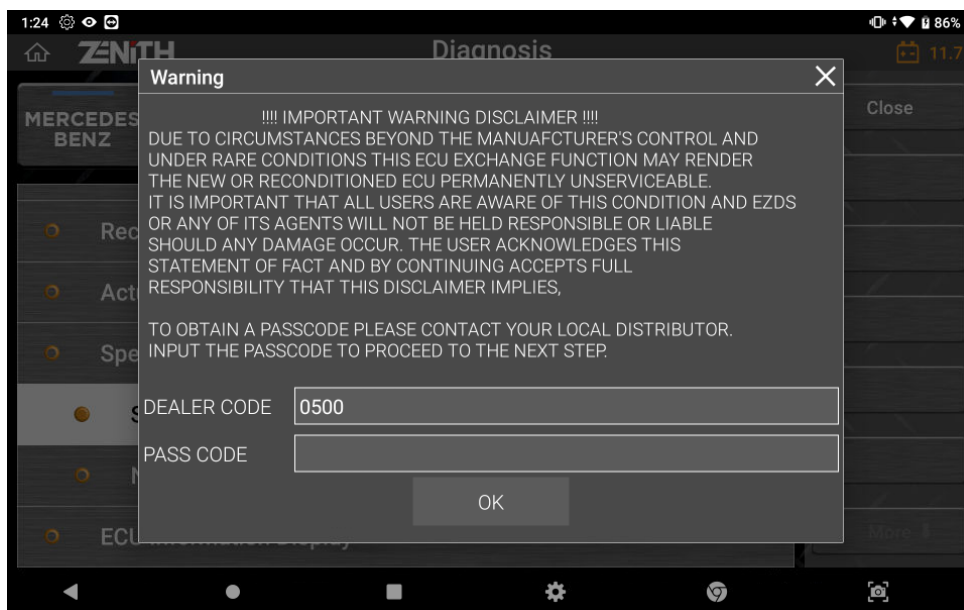
Failure or misuse of SCN coding may result in unrecoverable damage to the control module since the function is a process of directly transporting data into the control module.

Due to highly risky nature of this function, Z5 does not support the major systems like engine and transmission.

It is recommended ONLY for the experts with sufficient experience and knowledge about the function and capability to recover the system in case of function failure. In order to ensure this, Z5's SCN condition function requires the customers to contract their local authorized distributors and get the PASS CODE to proceed, so that the customers can prove their such expertise and capability to the distributor in the process.

As the customer, please read the important warning disclaimer displayed on the screen thoroughly, and make sure that this function must be executed at your own risks and that neither EZDS nor its local distributor(s) shall be held responsible or liable for the loss and the damage.

As the distributor, you MUST NOT provide the pass code unless you are confident that the customer has sufficient expertise and capability for use of the function and failure recovery, and also the Warning Disclaimer on the screen is duly acknowledged.



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Variant coding

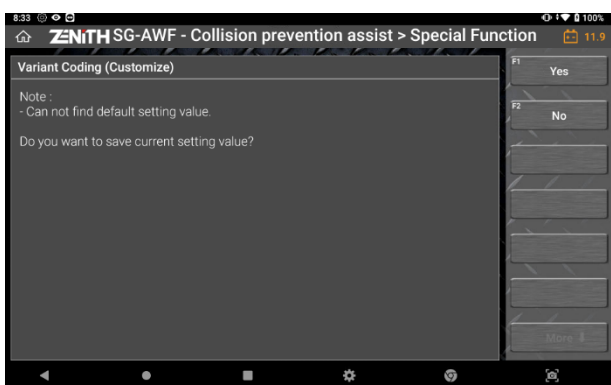
For many vehicle models or different specifications, Zenith Z5 provides [default variant coding values] that have been collected from the field by selecting [Func.1] Automatic. If the default values are available, the variants can be filled without having to search for the correct values.

Even in case the default values are available, you can still input the values manually by selecting [Func.2] Manual.



If the default values are not available, you have to input the values manually.

In order to aid quick restoration of the original settings in case of feeding incorrect values, the device is programmed to offer you a chance to save the current settings before entering the values manually.



Variant Coding Supported vehicle models

This function is available for most control modules (Engine, Transmission, body, etc.) of various classes (A, B, C, E, S, SUV, SPORTS CAR)



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