VOLVO

Volvo Cars Showmode

Known Issues & Limitations

General

Volvo Car Showmode simulates the vehicle to be in active mode (not driving mode) while standing idle at a showroom floor or exhibition stage. A diagnostic command sent from the external Showmode device is placing the vehicle in a certain 'show mode'. The vehicle cannot detect whether it is driving or standing and that is why several of the known issues occur and certain limitations need to be considered.

Before starting up the Volvo Car Showmode, it is important that the vehicle has the latest internal software downloaded from VIDA.

During startup of the Volvo Car Showmode, a quick check up runs on the Driver Information Module (DIM). Please observe this information when starting the Volvo Cars Showmode and make sure that everything starts correctly, and no errors occur (i.e., batteries have enough voltage, etc.).

Known Limitations

Massage, Heads up Display (HUD), seats and steering wheel heater as well as some more features are blocked because these functions use too much electricity, cannot be supported or not to be used indoors.

Note: The power operated tailgate is not possible to showcase without a key behind the vehicle.

Note: If the car is not recognized during startup, please let order@brigo.se know and Volvo Car software development team will add the vehicle variant in the software for recognition. **VIN number, car model and model year are needed in the email**.

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Known limitations and issues

Cluster 40 vehicles (CMA platform)

Battery Electric Vehicles

It is not possible to completely lock the parking gear and the parking brake from MY21 onwards. The parking brake is activated, but will temporary be released if the brake pedal is pressed to change gear, from P to N. The parking brake is activated again as soon as the brake pedal is released, i.e., the parking brake or brake via pedal is active and gear P or N. (it is not possible to block with the firewall introduction)

Also, it is not possible to turn off power steering, due to firewall introduction.

48V/Mild-hybrid

The 48V battery is normally charged when the car is driven. Volvo Car Show mode can initiate and maintain the 48V battery at a SOC between 15-20% from the 12V power supply that comes with Show mode.

If this backup system fails Show mode will shutdown at 15% SOC to protect the 48V battery. Disconnect Showmode and drive the car to recharge the 48V battery system.

Cluster 60-90 vehicles (SPA platform)

400V/Plug-In Hybrid

The Turtle Lamp lights up after 5-12 days of usage of the Volvo Car Showmode and temporarily limits the speed to 50km/h.

The speed limitation will be released after the combustion engine is started, is run at some different revolutions and the Engine Control Module (ECM) can perform its safety checks. Event code (68) set = no reparable error, will be shown if readout by VIDA. Do not replace ECM. Drive the vehicle to release the speed limitation. If vehicle cannot be driven after Showmode is used and before selling the vehicle, Volvo Car Showmode cannot be used.

48V/Mild-hybrid

The Volvo Car 12V Showmode charger does not charge the 48V battery. Vehicle needs to be driven to charge the 48V battery. If vehicle cannot be driven to re-charge the 48V battery and then restart Showmode with higher 48V State of Charge (SoC), Volvo Car Showmode cannot be used.

It is expected behavior that the Volvo Car Showmode shuts down when the 48V battery reaches a State of Charge (SoC) of 20%, which happens after 4-8 days. This is not an error; its a know limitation we have currently.

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Software updates and troubleshooting

Software version

Stay updated to have functionality and support for new vehicles and features.

Download at the support website.

Future Updates

New software is released at least two time yearly.

Troubleshooting

Visit the support website for more information.

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