

LCD Instrument Cluster Display User Manual

Product Name: VDO LCD Instrument Display

Applicable Vehicle Models: Audi TT, S3, A3, A4, A6, VW Golf, Passat, Seat with VDO Dashboard

Product Introduction

This LCD screen is a dedicated replacement part for original VDO instrument clusters of Audi and Volkswagen group vehicles. It is used to replace aging, pixel-loss, black-screen, faded original dashboard displays, which can restore normal display of vehicle data including outdoor temperature, driving mileage, time, vehicle fault prompts and other driving information. The product adopts flexible FPC circuit board matching the original vehicle plug size, no extra wiring modification required for installation, compatible with matching VDO instrument assemblies of the above listed car models.

Installation Operation Steps

Prepare professional automotive disassembly tools including plastic pry bar, screwdriver set, anti-static wristband before starting operation. Cut off the vehicle power supply, remove the car key and wait for 10 minutes to fully discharge the vehicle circuit system to avoid short circuit damage.

Use plastic pry tool to gently remove the decorative cover of the instrument panel, then disassemble the fixed screws of the instrument assembly, and pull out the instrument wiring harness connector slowly.

Take out the whole instrument assembly, separate the back housing of the instrument, find the old faulty LCD screen, disconnect the FPC flexible cable connector of the original screen carefully.

Take the new VDO LCD display, align the FPC cable golden finger interface with the instrument circuit board socket, insert the flat cable completely and lock the buckle to ensure stable connection without loose contact.

Reassemble the instrument housing, install the instrument assembly back to the vehicle console, plug in the vehicle wiring harness, turn on the vehicle power supply and check the dashboard display function. Verify temperature reading, mileage number and text prompt display are complete without missing pixels.

If the display is abnormal after power-on, cut off power again and recheck the flat cable insertion status; do not power on repeatedly for more than 3 times to prevent circuit burnout.

Usage Limitations

This display screen is only applicable to VDO brand instrument clusters of specified vehicle models. It cannot be used for Bosch, Magneti Marelli or other brand instrument assemblies, and is not compatible with vehicle models outside the listed Audi, VW and Seat series.

The product is only for vehicle instrument replacement repair, prohibited for secondary development, industrial control equipment, electronic toy or other non-automotive dashboard application scenarios.

Installation must be completed by professional automotive maintenance personnel with circuit operation experience. Private disassembly without professional skills will cause irreversible damage to the instrument circuit board and void product replacement warranty.

Do not expose the screen to high temperature environment over 85 ° C for a long time, avoid direct contact with liquid, oil, cleaning agent, which will corrode the FPC circuit and lead to

screen failure.

The service life of this replacement screen is designed for normal vehicle driving environment, long-term parking in extreme low temperature below -20°C will accelerate the aging of the display backlight circuit.

Safety Information

Static electricity will permanently damage the internal chip of the LCD screen. Always wear anti-static wristband connected to vehicle metal grounding part before touching the circuit board and flat cable of the product. Do not touch the golden contact area of FPC cable with bare fingers.

Never carry out disassembly and installation work when the vehicle power supply is connected. Live wire operation will cause short circuit, burn the instrument mainboard and even trigger vehicle electrical fault code.

Do not bend, fold or pull the FPC flexible cable with excessive force. Tiny cracks inside the flat cable will cause partial screen pixel loss that cannot be repaired.

Do not use alcohol, thinner, corrosive cleaning fluid to wipe the display surface and circuit board, only use dry microfiber cloth for surface dust cleaning.

If smoke, abnormal heating or burnt smell occurs during power-on test, cut off vehicle power immediately, do not continue power supply to avoid fire risk of vehicle circuit system.

This product is an auto electronic replacement part, not a general consumer electronic product. Unauthorized modification of the circuit board structure or wiring will lead to potential safety hazards during vehicle driving.

Keep the product away from children, the thin circuit board and small electronic components may cause choking risk if swallowed.