

ANCEL HD3300 Plus+

ANCEL HD3300 Plus+ Heavy Duty Truck Scanner Instruction Manual

Model: HD3300 Plus+ | Brand: ANCEL

1. INTRODUCTION

The ANCEL HD3300 Plus+ is a professional heavy-duty truck diagnostic scanner designed to provide comprehensive system diagnostics and maintenance functions for commercial vehicles. It supports a wide range of diesel engine brands and truck models, offering features such as DPF regeneration, oil light reset, and full system scanning to help identify and resolve vehicle issues efficiently.

This manual provides detailed instructions for setting up, operating, and maintaining your HD3300 Plus+ scanner, ensuring optimal performance and longevity.

2. WHAT'S IN THE BOX

Upon unpacking, please verify that all items listed below are present and in good condition:

- 1x ANCEL HD3300 Plus+ Heavy Duty Truck Scanner
- 1x User's Manual
- 1x CAT-9 Pin Cable
- 1x DIESEL 6/9 Pin Cable



Figure 2.1: Package contents of the ANCEL HD3300 Plus+ scanner.

3. SETUP GUIDE

3.1 Initial Power-On and Wi-Fi Setup

1. Connect the scanner to a compatible vehicle's diagnostic port using the appropriate cable (CAT-9 Pin or DIESEL 6/9 Pin). The device will power on automatically.
2. Navigate to the 'Settings' menu on the scanner's 5-inch high-resolution screen.
3. Select 'Wi-Fi' and connect to an available 2.4G Wi-Fi network.

3.2 Software Updates

The ANCEL HD3300 Plus+ offers lifetime free updates to ensure you always have the latest features and vehicle compatibility. Regular updates are recommended every 2-3 months.

1. Ensure the scanner is connected to Wi-Fi.
2. From the main menu, select 'Update'.
3. The system will check for available updates. Select 'Update All' or choose specific updates for diagnostic systems or vehicle databases.
4. Follow the on-screen prompts to complete the update process.

FREE UPDATE AVAILABLE—NO HIDDING FEES

One-click unlock more features instantly!



Figure 3.1: One-click Wi-Fi update process for the ANCEL HD3300 Plus+.

Your browser does not support the video tag.

Video 3.1: Demonstrates the one-click Wi-Fi update process for the ANCEL HD3300 Plus+.

3.3 Connecting to the Vehicle

The HD3300 Plus+ supports various diagnostic protocols and connector types. Ensure the vehicle's ignition is in the 'ON' position (engine off) before connecting.

1. Locate the diagnostic port in your heavy-duty truck. This is typically found near the driver's footwell or under the dashboard.
2. Select the appropriate adapter cable (CAT-9 Pin, DIESEL 6/9 Pin, or OBD 16 Pin) based on your vehicle's requirements.
3. Connect the adapter cable to the scanner and then to the vehicle's diagnostic port.
4. The scanner will automatically establish communication with the vehicle.

Your browser does not support the video tag.

Video 3.2: General steps for connecting a heavy-duty truck scanner to a vehicle's diagnostic port.

4. OPERATING INSTRUCTIONS

4.1 Basic Navigation

The scanner features a user-friendly interface with directional buttons and an 'OK' button for navigation and selection. The 'Return' button allows you to go back to the previous screen.

4.2 Full System Diagnostics

The HD3300 Plus+ provides in-depth diagnostics for all major truck systems, including Engine, Transmission, ABS, EBS, ESC, ASR, Airbag, BCM, SCR, Instrument, Air Suspension, and DPF.

1. From the main menu, select 'HD Truck' or 'OBDII/EOBD' depending on the vehicle type and desired diagnostic mode.
2. Choose the specific system you wish to diagnose (e.g., Engine, ABS, Transmission).
3. The scanner will perform a scan and display any detected fault codes.



Figure 4.1: Easy to diagnose all systems with the ANCEL HD3300 Plus+.

4.3 Reading and Clearing Fault Codes

After a system scan, you can view detailed information about detected fault codes and clear them once repairs are made.

1. Select 'Read Codes' to view current, pending, or permanent Diagnostic Trouble Codes (DTCs).
2. To clear codes, select 'Erase Codes' and confirm the action. Ensure the underlying issue is resolved

before clearing codes to prevent their immediate return.

4.4 Live Data Stream

Monitor real-time data parameters from the vehicle's sensors and modules.

1. From the diagnostic menu, select 'Live Data'.
2. Choose to view all items, select specific items, or view graphic items for a visual representation of data.

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Video 4.2: Demonstrates the live data stream function of the ANCEL HD3300 Plus+.

4.5 DTC Lookup

Quickly find definitions for diagnostic trouble codes.

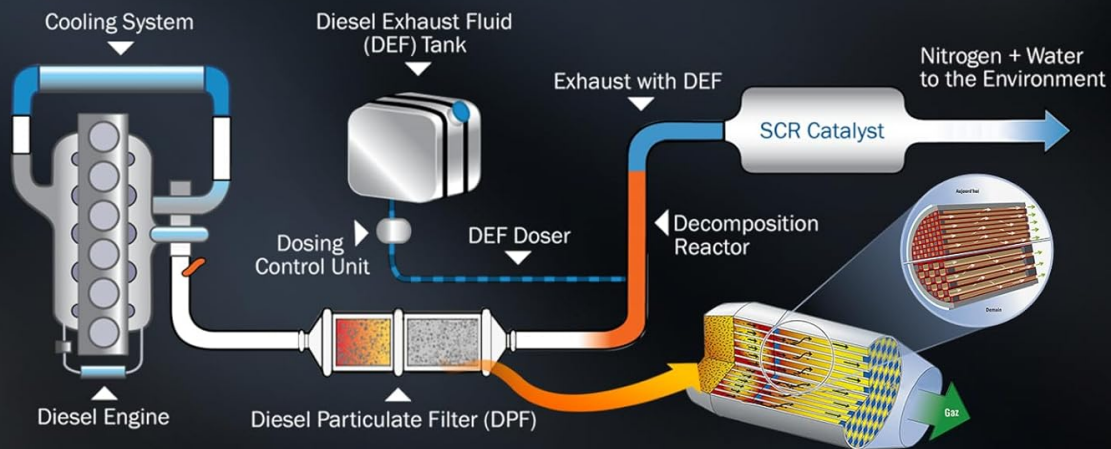
1. From the main menu, select 'DTC Lookup'.
2. Enter the DTC code using the on-screen keyboard to view its description.

5. DPF REGENERATION FUNCTIONS

The HD3300 Plus+ offers professional DPF regeneration capabilities to maintain engine performance and emission control efficiency. This includes DPF reset, forced regeneration, DPR status monitoring, and DPD regeneration.

1. From the main menu, select 'DPF'.
2. Choose the specific DPF function you wish to perform (e.g., Forced Regen, DPF Reset).
3. Follow the on-screen instructions carefully. Ensure the vehicle is in a safe, well-ventilated area and meets all conditions for regeneration.

ADVANCE **DPF & DPR & DPD** REGEN SCANNER



DIVERSE DIESEL ENGINE APPLICATIONS



Cummins



Detroit



Caterpillar



Paccar



Isuzu



Fuso



Volvo



International



Mack



Hino

Figure 5.1: Advanced DPF & DPR & DPD Regen Scanner capabilities.

6. OIL LIGHT RESET FUNCTION

The scanner supports OEM-level oil reset for ISUZU, FUSO, and HINO vehicles, allowing you to reset the Oil Life Reminder after an oil change.

1. From the main menu, select 'Service Reset'.
2. Choose 'Oil Reset' and select the appropriate vehicle make.
3. Follow the on-screen instructions to complete the oil light reset.

7. VEHICLE COMPATIBILITY

The ANCEL HD3300 Plus+ is designed for heavy-duty trucks and supports a wide range of protocols and engine brands. It is NOT compatible with light-duty trucks, pickup trucks, or 12V cars.

7.1 Supported Protocols

- J1587
- J1939
- J1708

- J27145
- ISO9141-2
- ISO14230-2
- ISO15765-4

7.2 Supported Engine Brands

- Cummins
- Caterpillar
- Detroit
- Paccar
- Volvo
- Mack
- International
- Isuzu
- Hino
- Fuso

7.3 Compatible Truck Models

- Freightliner
- Peterbilt
- Volvo HD
- Mack
- International
- Ford HD trucks

99% COMMERCIAL CARS COVERAGE

Three adapters, one solution for multiple commercial vehicles!

FREIGHTLINER/Western Star

Detroit Diesel – DD5, DD8, DD13, DD15, DD16 Engines, Cummins Diesel – X15, L9 Engines



PETERBILT/KENWORTH

Cummins X15, Paccar MX-11, MX-13 Engines.



VOLVO/MACK

Volvo – D11, D13, D13TC, D16 Engines
Mack – MP7, MP8, MP8HE, MP10 Engines



INTERNATIONAL

Navistar N13, N10 Engines



Figure 7.1: Wide compatibility with various commercial trucks and engine brands.

8. TROUBLESHOOTING

8.1 DPF Regeneration Failure

If DPF regeneration fails, consider the following:

- Ensure vehicle/engine DPF regeneration compatibility.
- Verify soot level to determine if DPF regeneration is needed.
- Check other conditions: clear existing fault codes, ensure AC is off, and address any derate codes.

8.2 Unable to Clear Codes

If you are unable to clear fault codes, check the following:

- Verify scanner compatibility with the vehicle.
- Fix the relevant issue causing the code before attempting to clear.
- Ensure the correct test path is selected.
- Inactive fault codes cannot be cleared.
- Post-repair codes may require the vehicle to be driven for a period before they can be fully cleared.

9. SPECIFICATIONS

- **Model:** HD3300 Plus+
- **Screen:** 5-inch high-resolution display
- **Internal Memory:** 8GB
- **Expandable Storage:** Up to 8GB
- **Connectivity:** 2.4G Wi-Fi
- **Operating System:** Android 5.0
- **Item Weight:** 3.34 pounds
- **Package Dimensions:** 10.67 x 5.87 x 5.39 inches

10. MAINTENANCE

Keep your ANCEL HD3300 Plus+ scanner up-to-date by regularly performing software updates via Wi-Fi. This ensures access to the latest features, vehicle models, and bug fixes. Refer to Section 3.2 for update instructions.

Store the device in its provided carrying case in a dry, clean environment when not in use to protect it from damage.


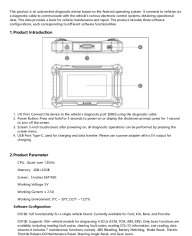
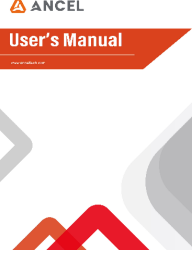

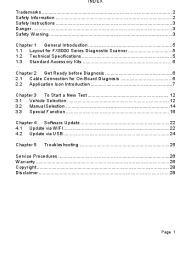
11. SUPPORT & WARRANTY

For any questions, technical assistance, or warranty inquiries, please contact ANCEL customer support. Expert technical support is available to ensure a hassle-free experience.

Before purchasing, you can share your truck’s make, model, engine brand, engine model, and year with ANCEL support for compatibility verification within 24 hours.

Related Documents - HD3300 Plus+

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	<p>ANCEL VOD700 User's Manual - Volvo Multi-System Scanner</p> <p>Comprehensive user manual for the ANCEL VOD700 multi-system scanner, providing detailed instructions for Volvo vehicles, including diagnostics, special functions, tool setup, and updates.</p>
	<p>ANCEL DS160, DS100, DS200 User Manual - Automotive Diagnostic Tools</p> <p>User manual for ANCEL DS160, DS100, and DS200 automotive diagnostic tools. Covers features, parameters, usage, functions, FAQ, and warranty for these OBD2 scanners.</p>
	<p>Ancel V5 HD User Manual: Heavy Duty Diagnostic Tool Guide</p> <p>Comprehensive user manual for the Ancel V5 HD, an Android-based diagnostic tool for heavy-duty trucks and commercial vehicles. Covers setup, operation, software features, activation, maintenance, and warranty.</p>
	<p>ANCEL FD700 User Manual: Comprehensive Automotive Diagnostic Scanner</p> <p>Explore the ANCEL FD700 user manual for detailed instructions on its multi-system diagnostic capabilities, special functions for Ford, Lincoln, and Mercury vehicles, and OBDII/EOBD compatibility. Learn to read codes, analyze data streams, and perform resets.</p>
	<p>ANCEL FX5000 Series Diagnostic Scanner User Manual</p> <p>This user manual provides comprehensive guidance for the ANCEL FX5000 Series Diagnostic Scanner, covering its features, operation, software updates, troubleshooting, and warranty information for automotive diagnostics.</p>