

AUTOPHIX 7150Plus+

AUTOPHIX 7150P+ OBD2 Scanner Instruction Manual

Model: 7150Plus+

1. INTRODUCTION

The AUTOPHIX 7150P+ is a professional OBD2 diagnostic scanner designed for Ford, Lincoln, and Mercury vehicles manufactured from 1996 onwards. This tool provides comprehensive system diagnostics and a wide range of maintenance reset functions. It also serves as a universal OBD2 code reader for all 12V vehicles equipped with a 16-pin port, enabling users to read and clear diagnostic trouble codes, view live data, and perform smog test readiness checks.

2. WHAT'S IN THE BOX

- AUTOPHIX 7150P+ OBD2 Scanner
- USB Cable
- Users Manual

3. PRODUCT FEATURES

3.1 Broad Vehicle Compatibility

The AUTOPHIX 7150P+ scanner is compatible with Ford, Lincoln, and Mercury vehicles from 1996 and newer. This includes models such as F150, F250, Edge, Escape, Expedition, Explorer, Ranger, Bronco, Fusion, Focus, Fiesta, MKC, and MKZ. It performs a full, in-depth scan of every system in these vehicles to identify and diagnose issues.

3.2 Advanced Maintenance Functions

This tool offers various service features for vehicle maintenance. These include:

- Battery Management System (BMS) Reset
- Electronic Parking Brake (EPB) Maintenance Mode

- Anti-lock Braking System (ABS) Bleeding
- Diesel Particulate Filter (DPF) Regeneration
- Transmission Relearn
- Steering Angle Sensor (SAS) Calibration
- Oil Reset
- Tire Pressure Monitoring System (TPMS) Reset
- Electronic Throttle Control (ETC) Reset

3.3 Comprehensive System Diagnostics

The scanner performs a complete scan of all major vehicle systems, including Engine, Transmission, ABS, Airbag (SRS), TPMS, 4WD, and Steering. This helps in locating faults and maintaining vehicle performance.

3.4 Universal OBD2 Functionality

The device functions as a universal OBD2 diagnostic tool for all 12V vehicles with a 16-pin port. It can identify the cause of a check engine light, assist with smog tests, monitor live performance data, test battery voltage, and display detailed vehicle information.

4. VEHICLE COVERAGE

The AUTOPHIX 7150P+ is specifically designed for Ford, Lincoln, and Mercury vehicles. Below are examples of supported models:

Ford Models (US)

AEROSTAR, Courier, Expedition, Fiesta, Freestar, Monterey, Territory
 Aspire, CrownVictoria, Expedition EL, Fiesta 3-door, Freestyle, Motorhome, Thunderbird
 Bantam, Econovan, Explorer, Fiesta MY2013, Fusion, Mustang, Tourneo Connect
 Bantam SRM, EcoSport, Explorer Sport, F-Series (F150, F250, etc.), Puma, Transit
 Blue Bird C-Class/Vision, Edge, Explorer SportTrac, Falcon, Ranger, Bronco
 B-Max, Endeavour, Everest, Festiva, Focus, Kuga, LCF, S-Max, Taurus X
 Cargo, Escort, Fairmont, Falcon Forte S, Focus C-MAX, LTD, Maverick, Mondeo
 C-MAX, E-Series Shuttle Bus, Festiva Sedan, Ford GT, Fusion, Focus, Fiesta
 Contour, Cougar, Excursion, Falcon, Fairlane, Five Hundred, Flex, Ka, Scorpio, Troller

Lincoln & Mercury Models (US)

Lincoln: Aviator, Navigator, Blackwood, Continental, TownCar, LS, Mark LT, MarkVII, MKC, MKS, MKT, MKX, MKZ
Mercury: Cougar, Tracer, Grand Marquis, Villager, Marauder, Mariner, Mariner Hybrid, Milan, Montego, Monterey, Mountaineer, Mystique, Sable

Note: Vehicle compatibility can vary by specific model year and region. For detailed compatibility, please refer to the official AUTOPHIX website or contact support with your vehicle's make, model, and year.



EPB Reset

After performing maintenance or repairs related to the EPB system, such as replacing brake pads or calipers, the EPB reset function recalibrates the system to its default settings.

Oil Reset

Reset the oil life or oil change maintenance reminders in your vehicle.



This image illustrates the primary vehicle brands supported by the AUTOPHIX 7150P+ scanner: Ford, Lincoln, and Mercury.

5. SETUP

Follow these steps to set up and begin using your AUTOPHIX 7150P+ OBD2 Scanner:

- 1. Connect to the Car:** Locate your vehicle's OBD2 16-pin diagnostic port, typically found under the dashboard on the driver's side. Plug the scanner's cable firmly into this port. The scanner is plug-and-play and does not require a separate battery.
- 2. Turn on the Ignition:** Turn your vehicle's ignition to the 'ON' position. Do not start the engine unless instructed by a specific diagnostic procedure.
- 3. Power On and Initialize:** The scanner will power on automatically once connected to the vehicle's OBD2 port and the ignition is on. It will then perform an initial system check.



Reset PCM learned values

Resetting PCM learning value enables the system to re-adapt to the vehicle's current state and solve engine & transmission performance issues (e.g., abnormal fuel consumption, insufficient power) due to learning value deviation.

Throttle Learning

Recalibrate the throttle body and gas pedal position sensor to ensure that the ECU can accurately identify the position of the gas pedal



This diagram illustrates the three basic steps for connecting and preparing the scanner for use: plugging into the OBD2 port, turning on the ignition, and initiating diagnosis.

6. OPERATING INSTRUCTIONS

Once the scanner is set up, navigate the menu using the directional buttons and the 'OK' (Enter) and 'ESC' (Back) buttons.

6.1 Main Menu Navigation

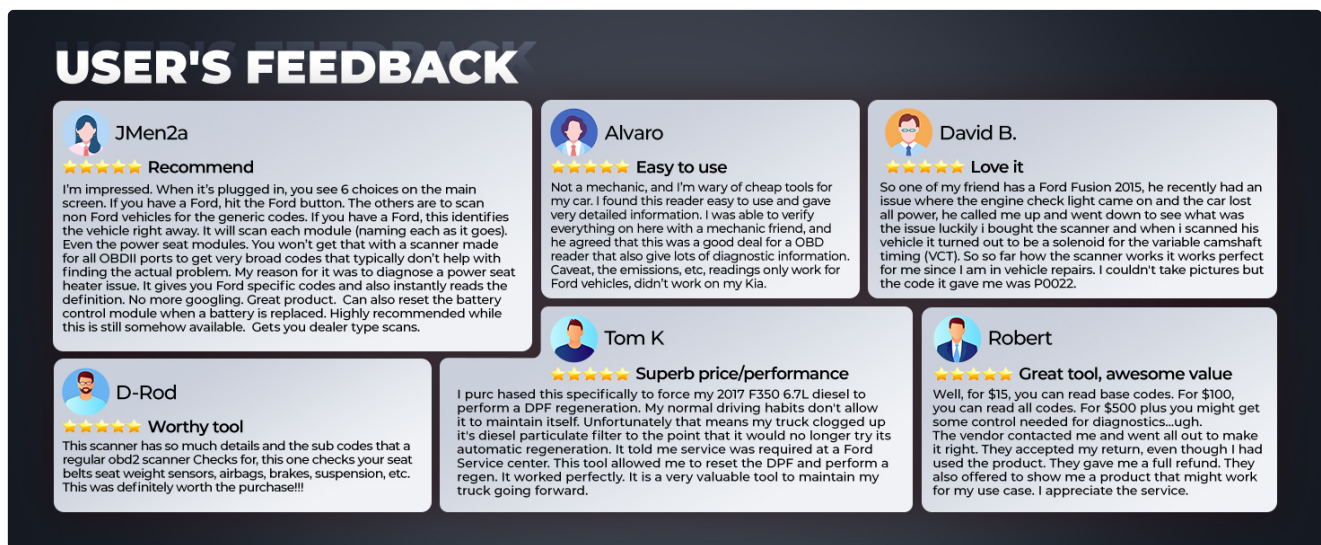
The main menu provides access to various functions. Use the UP/DOWN arrows to scroll through options and 'OK' to select. 'ESC' returns to the previous screen.

Your browser does not support the video tag.

This video demonstrates the navigation and selection process within the scanner's diagnostic menu, showing how to access different system modules and functions.

6.2 Reading and Clearing Diagnostic Trouble Codes (DTCs)

1. From the main menu, select **'Diagnosis'** or **'Read Codes'**.
2. Choose the specific Electronic Control Unit (ECU) you wish to scan (e.g., Engine, ABS, SRS).
3. The scanner will display any active or pending DTCs. Note down the codes and their descriptions.
4. After addressing the underlying vehicle issue, return to the diagnostic menu and select **'Erase Codes'** to clear the DTCs and turn off the check engine light.



This image illustrates the process of diagnosing and clearing a check engine light, showing the light illuminated and then off.

6.3 Viewing Live Data

The 'Data Stream' function allows you to view real-time sensor data from your vehicle's systems. This can be crucial for diagnosing intermittent issues or verifying repairs.

1. Select **'Data Stream'** from the diagnostic menu.
2. Choose the parameters you wish to monitor (e.g., engine RPM, coolant temperature, oxygen sensor readings).
3. The data will be displayed in numerical or graphical format.

6.4 I/M Readiness (Smog Test)

This function checks the status of the vehicle's emission-related monitoring systems to determine if it's ready for an inspection/maintenance (smog) test.

1. Select **'I/M Readiness'** from the main menu.
2. The scanner will display the status of various monitors (e.g., O2 Sensor Monitor, Catalyst Monitor). 'OK' or 'Complete' indicates the monitor has run and passed. 'INC' or 'Not Complete' means the monitor has not yet run.

Q 01

Does it support all ford models and years?

A

We support 92% of ford models, but different models and years of cars will have different parts and construction, you can tell us your model, year and need to solve the problem, we will provide you with more detailed suggestions.

Q 02

Are update truly free for lifetime?

A

Yes, it update via PC with the USB cable (included in the package) and it's lifetime free.

Q&A

Q 03

I haven't used a diagnostic tool, is it newbie friendly?

A

Yes, there is an user's manual in the package, it will also provide DTC Lookup function to query error code interpretation. In addition, if you encounter any problems during the usage, you can contact us and we will provide you with a solution.

This image depicts a vehicle being tested for emissions, illustrating the concept of passing or failing a smog test.

7. MAINTENANCE FUNCTIONS (SERVICE RESETS)

The AUTOPHIX 7150P+ offers several specialized maintenance functions. Access these through the 'Service' or 'Special Functions' menu on the device. The availability of specific functions may vary by vehicle model and year.



This image highlights the range of maintenance services, both common and special, that the AUTOPHIX 7150P+ can perform.

7.1 Oil Reset

Resets the oil life reminder or oil change maintenance light in your vehicle after an oil service.



This image visually represents the Electronic Parking Brake (EPB) Reset and Oil Reset functions.

7.2 EPB Reset (Electronic Parking Brake)

Used to recalibrate the EPB system to its default settings after maintenance or repairs involving brake pads or calipers.

7.3 BMS Reset (Battery Management System)

Initializes the new battery and uploads its data to the vehicle's control unit (ECU) after battery replacement.



This image illustrates the BMS Reset and ETC Reset functions, showing a brake system and a throttle body.

7.4 ETC Reset (Electronic Throttle Control)

Restores the electronic throttle control system to its initial default setting, which can resolve issues related to abnormal idle speed and unstable engine performance.

7.5 Reset PCM Learned Values

Resets the Powertrain Control Module (PCM) learned values, allowing the system to re-adapt to the vehicle's current state and address engine and transmission performance issues caused by learning value deviation.



This image depicts the Reset PCM Learned Values and Throttle Learning functions, showing an engine diagram and a throttle body.

7.6 ABS Service Bleed

Expels air from the braking system to ensure brake fluid fills the entire system, maintaining normal braking performance.

VEHICLE COVERAGE

US				EU		
Fit for Lincoln		Fit for Mercury				
Aviator	Navigator	Cougar	Tracer	B-Max	Explorer SportTrac	Mondeo
Blackwood	NavigatorL	Grand Marquis	Villager	C-Max	Fiesta	Puma
Continental	TownCar	Marauder		Cargo	Fiesta3-door	Ranger
LS	Zephyr	Mariner		Cougar	Focus	S-Max
Mark LT		Mariner Hybrid		Courier	Focus Cabriolet	Scorpio
MarkVII		Milan		EcoSport	Fusion	Tourneo Connect
MKC		Montego		Escape	Galaxy	Transit
MKS		Monterey		Escort	Granada	Transit Connect
MKT		Mountaineer		Expedition	Ikon	Transit Courier
MKX		Mystique		Expedition EL	Ka	
MKZ		Sable		Explorer	Kuga	
				Explorer Sport	Maverick	

▲ Tips: Not sure if it fits your car? Just send us the brand and year - we'll check it for you right away.

This image illustrates the Clear Transmission Adaptive Tables and ABS Service Bleed functions, showing a transmission and a car battery.

7.7 Clear Transmission Adaptive Tables

Adjusts the transmission adaptive table based on driving habits and vehicle conditions. Clearing it enables the transmission to relearn, enhancing shift smoothness and response speed.

7.8 Fuel Injector Correction Factors

Adjusts the fuel injector's spray volume to ensure accurate fuel supply to the engine, optimizing performance and fuel economy.

15

Years
Development

90+

high-tech
Patents

400+

Professional
Engineers

100W+

Pcs
Production

WHY CHOOSE AUTOPHIX

We are committed to providing more convenient and professional automotive DIY diagnostic tools for global automotive users.



This image depicts the Fuel Injector Correction Factors and Reset DPF Learned Values functions, showing engine injectors and a catalytic converter.

7.9 Reset DPF Learned Values (Diesel Particulate Filter)

For diesel vehicles, resetting DPF learned values allows the system to re-evaluate the DPF's status, addressing issues like DPF blockage and abnormal regeneration.

8. SOFTWARE UPDATES

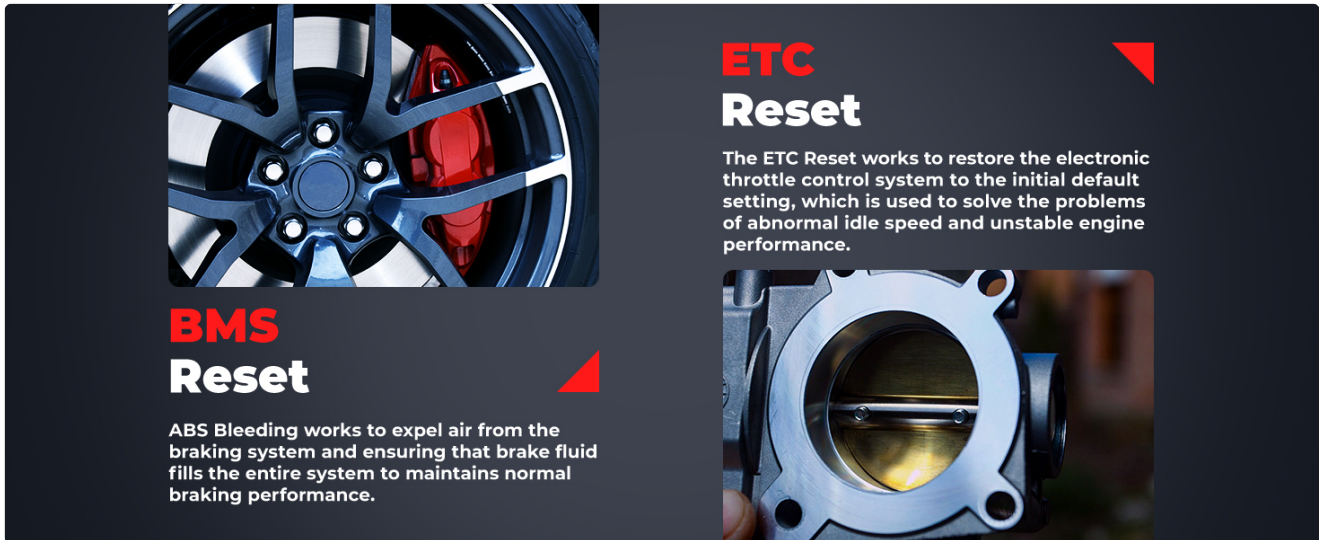
The AUTOPHIX 7150P+ scanner includes lifetime free software updates. These updates help maintain broad vehicle coverage and add new car models and functions.

8.1 Update Process

To update the software:

1. Download the update tool from the official AUTOPHIX website onto a Windows PC.
2. Connect the scanner to your computer using the provided USB cable.
3. Follow the instructions provided by the update tool to download and install the latest software.

Note: The USB cable is solely for connecting the device to a computer for software updates or printing diagnostic reports. Ensure your PC meets the system requirements for the update tool.



This image symbolizes the lifetime free software updates provided for the device, ensuring continued functionality and compatibility.

9. SPECIFICATIONS

Specification	Detail
Brand	AUTOPHIX
Model Number	7150Plus+
Screen Size	2.8 Inches
Native Resolution	320x240
Power Source	Vehicle OBD2 Port (12V)
Operating System	Proprietary (Fit for Ford Lincoln Mercury - full system and all service)
Automotive Fit Type	Vehicle Specific Fit (Ford, Lincoln, Mercury)

10. TROUBLESHOOTING

If you encounter issues while using your AUTOPHIX 7150P+ scanner, consider the following:

10.1 Device Not Powering On

- Ensure the scanner is firmly connected to the vehicle's OBD2 port.
- Verify the vehicle's ignition is in the 'ON' position.
- Check the vehicle's battery voltage. The scanner draws power from the vehicle.

10.2 Communication Error

- Confirm the vehicle is OBD2 compliant (generally 1996 and newer for US vehicles).
- Ensure the connection to the OBD2 port is secure.
- Try the scanner on a different compatible vehicle to rule out a vehicle-specific issue.

10.3 Software Update Issues

- Ensure the USB cable is connected directly to a USB port on your computer, not through a USB hub.
- Verify that the update tool is running on a compatible Windows operating system.
- Temporarily disable any firewall or antivirus software that might interfere with the update process.
- If issues persist, contact AUTOPHIX technical support.

10.4 Specific Function Not Available

- Not all functions are available for all vehicle models or years, even within the supported brands.
- Ensure your scanner's software is up to date.
- Verify compatibility for your specific vehicle's make, model, and year with AUTOPHIX support.

11. WARRANTY AND SUPPORT

The AUTOPHIX 7150P+ OBD2 Scanner comes with a **5-year manufacturer warranty**. For technical assistance, warranty claims, or any product-related inquiries, please contact AUTOPHIX customer support.

Contact Information:

- Email: autophix@163.com
- Amazon Message: Contact the seller directly through your Amazon order history.

Note: Fault codes can only be cleared after the vehicle issue is repaired. This scanner does not repair vehicle issues.