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> BLCKTEC 460T OBD2 Scanner Instruction Manual

## BLCKTEC 460T

# BLCKTEC 460T OBD2 Scanner Instruction Manual

Model: 460T

Brand: BLCKTEC

## 1. INTRODUCTION

The BLCKTEC 460T is a professional-level OBD2 diagnostic tool designed for comprehensive vehicle diagnostics and maintenance. It supports all 10 OBD2 modes, reads and clears Engine/Transmission/ABS/SRS codes, and offers a wide range of workshop reset tools. Equipped with patented I/M readiness icons and a 3-color LED display, it assists users in identifying vehicle issues, assessing car condition, and preparing for emissions checks.

This manual provides detailed instructions on how to set up, operate, and maintain your BLCKTEC 460T OBD2 Scanner.

## 2. PACKAGE CONTENTS

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

- BLCKTEC 460T Diagnostic Tool
- OBD2 Cable
- Storage Case
- Quick Start Guide

## 3. KEY FEATURES

- **All System Diagnostics:** Supports all 10 OBD2 modes, reads and clears Engine, Transmission, ABS, and SRS codes. Performs comprehensive all-system diagnostics.
- **12+ Most Popular Reset Functions:** Includes Oil Maintenance Reset, ABS Bleeding, EPB (Electronic Parking Brake) Reset, SAS (Steering Angle Sensor) Recalibration, DPF (Diesel Particulate Filter) Reset, Throttle Body Relearn, Battery Reset/Initialization, TPMS Relearn, Transmission Reset, Fluid Change Reset, and Maintenance Reset.
- **Real-Time Live Data & Freeze Frame:** Offers detailed DTC information, ECU Freeze Frame Data, and real-time OBD2 and advanced OEM live data (Engine, Transmission, ABS, SRS). Allows viewing, graphing, recording, replaying, and overlaying up to four live data streams.
- **AutoVIN, AutoReLink, AutoScan:** Automatically retrieves VIN, scans all vehicle ECUs, and detects fault codes upon plugging into the OBD2 port. Regathers DTC and I/M readiness information every 30 seconds for simplified monitor tests.

- **RepairSolutions2 App Integration:** Free access to the RepairSolutions2 (RS2) App, providing a Verified Fix Database, OEM warranty info, maintenance schedules, TSBs, and dealership recall info. Stores scan reports in the cloud.
- **Free Lifetime Updates:** Ensures the scanner always has the latest diagnostic technology and supports new vehicle models.
- **Unmatched Vehicle Compatibility:** Compatible with all OBD2-compliant vehicles sold and registered in the USA and Canada from 1996 onward, including passenger cars, minivans, SUVs, pickups, light-duty trucks, and diesel vehicles from domestic, Asian, and European manufacturers.
- **Designed & Supported in the USA:** Developed by Master Technicians in Southern California, with customer service available in English and Spanish.

#### 4. PRODUCT OVERVIEW



**Figure 4.1:** BLCKTEC 460T Main Unit. This image shows the diagnostic tool with its screen displaying the main menu, including options for OBD2 Diagnostics, OEM Diagnostics, Workshop Tools, Vehicle Scan Reports, Settings, and Tool Library.

# Complete Solution for Vehicle Diagnostics

Engine



ABS



SRS



Transmission



## Full OBD2 Functions



- Read & Erase DTC Codes
- EVAP Test
- I/M Readiness Status
- Read Live Data
- O2 Sensor Monitor
- Vehicle Information
- Read Freeze Frame Data
- Component Test

**Figure 4.2:** Complete Solution for Vehicle Diagnostics. Illustrates the scanner's capability to diagnose Engine, ABS, SRS, and Transmission systems, along with full OBD2 functions like Read & Erase DTC Codes, EVAP Test, I/M Readiness Status, Read Live Data, O2 Sensor Monitor, Vehicle Information, Read Freeze Frame Data, and Component Test.

# Dominate Every DIY Project Like a Pro

**12+** WORKSHOP TOOLS



## BRAND

**BLCKTEC**

## OTHER

Oil Maintenance Reset	✓	✓
SAS Calibration	✓	✓
Battery Initialization	✓	✗
Battery Reset	✓	✗
EPB Reset	✓	✗
TPMS Relearn Procedure	✓	✗
Throttle Body Relearn	✓	✗
ABS Bleeding	✓	✗
DPF Reset	✓	✗
Maintenance Reset	✓	✗
Transmission Reset	✓	✗
Trans. Fluid Change Reset	✓	✗

**Figure 4.3:** 12+ Workshop Tools Comparison. Highlights the extensive range of reset functions available on the BLCKTEC 460T, including Oil Maintenance Reset, SAS Calibration, Battery Initialization, Battery Reset, EPB Reset, TPMS Relearn, Throttle Body Relearn, ABS Bleeding, DPF Reset, Maintenance Reset, Transmission Reset, and Trans. Fluid Change Reset.

# Professional Battery Diagnostics

## Battery & Charging Systems Tests



## Hybrid Battery Pack Voltage

Cell: **16** Voltage: **5.1**



## 12V Battery & Alternator Live Data

BATTERY VOLTAGE  
**11.92** V

GENERATOR COMMAND  
**56** %

Figure 4.4: Professional Battery Diagnostics. Displays the scanner's ability to perform Battery & Charging Systems Tests, show Hybrid Battery Pack Voltage, and provide 12V Battery & Alternator Live Data.

# Real-Time OBD2 & OEM Live Data

Enhanced Diagnostics with Dynamic Live Data Visuals



**Figure 4.5:** Real-Time OBD2 & OEM Live Data. Illustrates the dynamic live data visuals, including battery voltage, engine speed, engine RPM, engine coolant temperature, fuel level input, and short-term fuel trim, with options for OBD2, ECM, TCM, PCM, ABS, and SRS data.

# Get **Verified Fix** with Free RepairSolutions2 App

**TOP RATED**  
AUTO REPAIR APP



4.8 ★★★★★

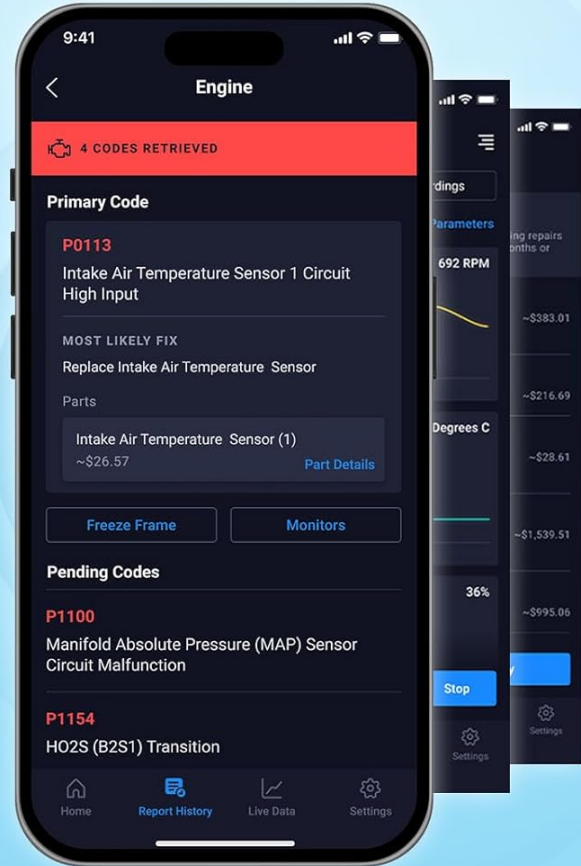


**Repair with Confidence**

**100M+** Verified Fixes

**OEM** Recall Database

**OEM** Technical Service Bulletins



**RS2 APP IS ONLY AVAILABLE IN THE US & CANADA.**

**Figure 4.6:** Get Verified Fix with Free RepairSolutions2 App. Shows the user interface of the RepairSolutions2 app, detailing primary codes, most likely fixes, and pending codes, emphasizing its utility for confident repairs.

# Unmatched Coverage

BLCKTEC products support OBD2-Compliant vehicles sold and registered in the USA & Canada. This includes 1996 and newer domestic, asian, and european cars.



Passenger Car



Pickup/Diesel

for  
**1996**  
& newer  
vehicles



Minivan



SUV

**Function availability depends on your vehicle. Be sure to use the Compatibility Checker on the BLCKTEC website to verify that the features you need are supported for your vehicle's specific year, make, and model.**

- AMERICAN
- EUROPEAN
- ASIAN

Buick, Cadillac, Chevrolet, Chrysler, Dodge, Ford, GMC, Hummer, Jeep, Lincoln, Mercury, Pontiac, Saturn, + more.

Audi, BMW, Fiat, Mercedes, Mini, Smart, Volkswagen, Volvo, + more.

Acura, Honda, Hyundai, Infiniti, Isuzu, Kia, Lexus, Mazda, Mitsubishi, Scion, Subaru, Suzuki, Toyota, + more.

Figure 4.7: Unmatched Coverage. Displays the wide range of OBD2-compliant vehicles supported by BLCKTEC products, including various car types and brands from American, European, and Asian manufacturers, for 1996 and newer vehicles.

## 5. SETUP GUIDE

### 5.1 Initial Connection

1. Locate the vehicle's OBD2 port. This port is typically found under the dashboard on the driver's side.
2. Connect the BLCKTEC 460T's OBD2 cable to the vehicle's OBD2 port. Ensure a secure connection.
3. Turn the vehicle's ignition to the "ON" or "ACC" (Accessory) position. The engine does not need to be running for most diagnostic functions.
4. The scanner will power on automatically once connected to the vehicle's OBD2 port.

### 5.2 Language Selection

Upon first use, or if the language needs to be changed, navigate to the "Settings" menu on the scanner and select your preferred language (English, French, or Spanish).

## 5.3 RepairSolutions2 App Setup

For enhanced features and repair information, download the free RepairSolutions2 (RS2) App from your device's app store (iOS and Android compatible). Follow the in-app instructions to pair your BLCKTEC 460T scanner and access its full capabilities, including cloud storage for scan reports and verified fixes.

## 6. OPERATING INSTRUCTIONS

### 6.1 Navigating the Menu

Use the directional buttons (Up, Down, Left, Right) to navigate through the menu options on the scanner's display. Press the "OK" button to confirm a selection and the "Back" button to return to the previous screen.

### 6.2 Performing Diagnostics

1. From the main menu, select "OBD2 Diagnostics" for standard OBD2 functions or "OEM Diagnostics" for advanced system scans (Engine, Transmission, ABS, SRS).
2. The scanner will automatically retrieve the vehicle's VIN (AutoVIN) and perform an AutoScan to detect any fault codes.
3. **Read DTCs:** Select "Read DTCs" to view current, pending, and permanent diagnostic trouble codes.
4. **Erase DTCs:** After repairs, select "Erase DTCs" to clear the trouble codes and turn off the Check Engine Light. Ensure the underlying issue is resolved before clearing codes.
5. **Live Data:** Choose "Live Data" to view real-time sensor data. You can view, graph, record, replay, and overlay up to four data streams simultaneously for detailed analysis.
6. **Freeze Frame Data:** Access "Freeze Frame" to view a snapshot of vehicle conditions at the moment a DTC was set.
7. **I/M Readiness:** Check "I/M Readiness Status" to determine if the vehicle is ready for an emissions test.

### 6.3 Utilizing Workshop Tools (Reset Functions)

From the main menu, select "Workshop Tools" to access various maintenance and reset functions. Follow the on-screen prompts for each specific function:

- **Oil Maintenance Reset:** Resets the oil life monitoring system after an oil change.
- **ABS Bleeding:** Performs automated bleeding procedures for the Anti-lock Braking System.
- **EPB Reset:** Resets the Electronic Parking Brake system after brake pad replacement or service.
- **SAS Recalibration:** Calibrates the Steering Angle Sensor after steering system repairs or alignment.
- **DPF Reset:** Resets the Diesel Particulate Filter system.
- **Throttle Body Relearn:** Relearns the throttle body position after cleaning or replacement.
- **Battery Reset/Initialization:** Registers a new battery with the vehicle's system and performs battery initialization.
- **TPMS Relearn:** Relearns new TPMS sensor IDs to the vehicle's ECU.
- **Transmission Reset:** Resets transmission adaptive values.
- **Fluid Change Reset:** Resets fluid life monitors for various systems.
- **Maintenance Reset:** Resets general maintenance indicators.

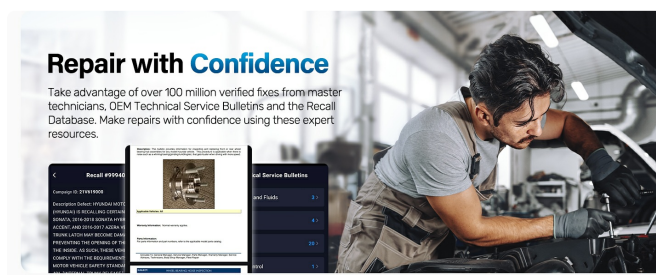
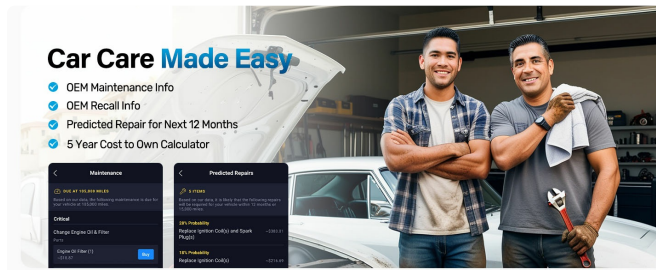
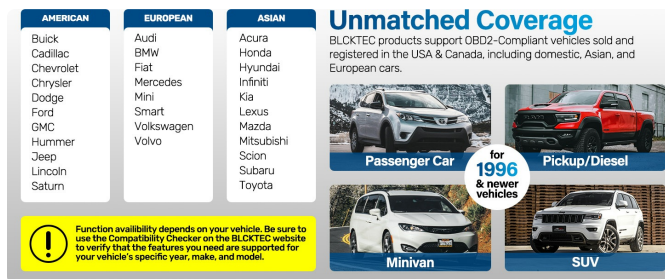


Figure 6.1: ABS Bleeding. Quickly and easily handle ABS bleeding using advanced tools, ensuring optimal brake performance and

safety by removing air from the system effectively.



**Figure 6.2:** EPB Reset. Resolve Electronic Parking Brake issues quickly with advanced reset functions, tackling stuck brakes, error codes, and ensuring reliable system performance for safer driving.



**Figure 6.3:** Steering Angle Sensor Calibration. Regain control with precise SAS calibration. Fix steering alignment, restore response, and enjoy safer, smoother, and more confident handling.



**Figure 6.4:** Throttle Body Relearn. Restore smooth acceleration and fix idle issues with throttle body relearn. Reset your vehicle's throttle system for better performance, fuel efficiency, and a stress-free driving experience.



**Figure 6.5:** Battery and Charging System Tests. The scanner offers real-time battery voltage monitoring and alternator performance testing, making it easy to check if your battery and charging system are functioning correctly.



**Figure 6.6:** Battery Reset & Initialization. Ensures the vehicle is programmed correctly to accept a new battery. Reset the system, prevent power issues, and ensure efficient charging for a stress-free driving experience.

## 7. MAINTENANCE

### 7.1 General Care

- Keep the scanner clean by wiping it with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- Store the scanner in its provided storage case when not in use to protect it from dust, moisture, and physical damage.
- Avoid exposing the scanner to extreme temperatures or direct sunlight for prolonged periods.

### 7.2 Software Updates

The BLCKTEC 460T comes with free lifetime updates. Regularly check for and install software updates to ensure your scanner has the latest diagnostic technology, bug fixes, and supports new vehicle models. Refer to the BLCKTEC website or the RepairSolutions2 App for update instructions.

## 8. TROUBLESHOOTING

If you encounter issues while using your BLCKTEC 460T scanner, please refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
Scanner does not power on.	Loose connection to OBD2 port; vehicle ignition not on; vehicle battery low.	Ensure the OBD2 cable is securely connected. Turn the vehicle ignition to "ON" or "ACC". Check vehicle battery voltage.
Communication error with vehicle.	Incorrect protocol; faulty OBD2 port; scanner software outdated.	Verify vehicle compatibility. Try connecting to another compatible vehicle. Check for and install the latest software updates. Inspect the vehicle's OBD2 port for damage.
Cannot clear DTCs.	Underlying fault still present; ignition not in "ON" position.	Ensure the vehicle's ignition is in the "ON" position (engine off). The fault must be repaired before codes can be cleared permanently.
Reset function not working.	Vehicle not supported for specific function; incorrect procedure followed.	Consult the BLCKTEC website's compatibility checker for your specific vehicle model. Follow the on-screen instructions carefully for the reset procedure.

For more detailed troubleshooting or specific vehicle issues, utilize the RepairSolutions2 App's Verified Fix Database or contact BLCKTEC customer support.

## 9. TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	BLCKTEC
Model	460T Vehicle Diagnostic Tablet
Product Dimensions	7.75"L x 1.5"W x 4.4"H
Item Weight	2.4 pounds
Operating System (App)	iOS and Android
Supported Languages	English, French, Spanish
Automotive Fit Type	Universal Fit (OBD2-compliant vehicles 1996 and newer)
UPC	042173004607
Manufacturer	McGaaw, LLC

## 10. WARRANTY AND SUPPORT

### 10.1 Free Lifetime Updates

The BLCKTEC 460T includes free lifetime software updates. This ensures your device remains current with the latest vehicle models and diagnostic technologies.

### 10.2 Customer Support

BLCKTEC is a USA-based company with customer service located in the USA, providing support in both English and Spanish.

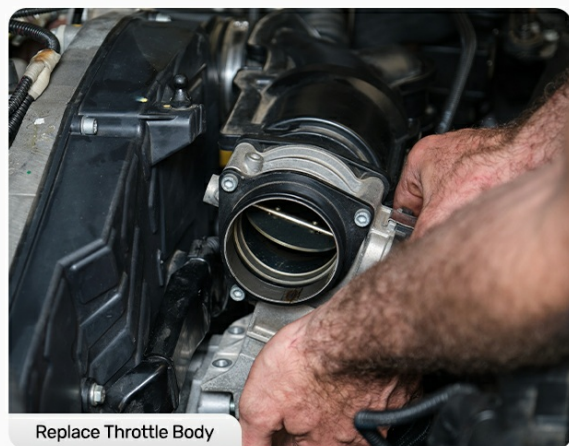
**Support Hotline:** 1-866-909-6777

**Availability:** Monday to Friday, 6:00 AM to 6:00 PM Pacific Time

**Website:** For additional contact information and resources, please visit the official BLCKTEC website.

## Throttle Body Relearn

Restore smooth acceleration and fix idle issues with throttle body relearn. Reset your vehicle's throttle system for better performance, fuel efficiency, and a stress-free driving experience.



Replace Throttle Body

**Figure 10.1:** BLCKTEC Customer Support. Highlighting available support channels including phone, email, and chat, with a focus on US-based assistance.

