

Track 2000 CDMA Hardware Installation Guide

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Installation Overview

This document includes detailed instructions for installing the TRACK 2000.

An On-Board Diagnostics (OBD) system controls engine functions and serves as the diagnostic control network of the vehicle. All cars built and sold in the United States since 1996 must be equipped with the newer OBDII system. The IndusTrack Track 2000 connects to a vehicle's OBDII port and monitors the OBDII system using a variety of communication protocols.

Track 2000 supports the following standard OBD II protocol.

- J1850 PWM
- J1850 VPW
- ISO-9141-2
- ISO-14230 KWP2000
- ISO-15765 CAN

WARNING: Some vehicles are not compatible with the Track 2000. If the vehicle is not compatible with the parameters the Track 2000 requires, functionality may be limited, problematic or unavailable.

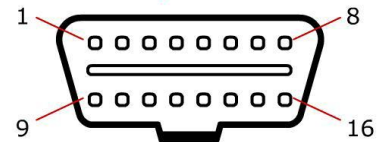
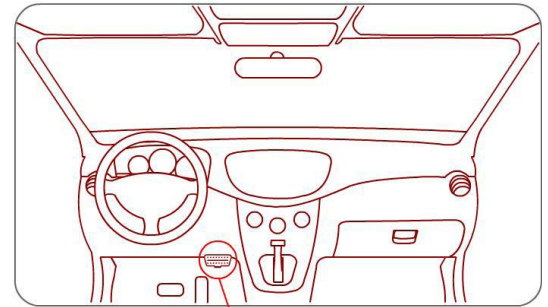
Step 1: Device Installation

1. Please write down the ESN number on the device, prior to device install. The ESN number is located on the device on a white sticker, as shown in the picture.

ESN Number



2. Locate the OBD II connector and simply plug in the device.



WARNING: The Track 2000 is NOT a waterproof or sealed device. Care must be taken to ensure the device is kept away from water or any other liquids may cause a fire.

Step 2: Verification

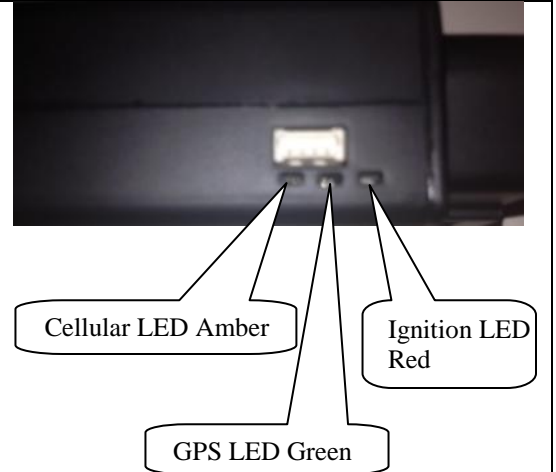
After the installation is complete, turn on the vehicle ignition (it is not necessary to start the vehicle). After 30 seconds–1 minute, please observe the LEDs. They should be illuminated and not be blinking. If any of the LEDs are blinking check the connections.

POWER: Amber LED indicates power to the module. This LED is on when there is power to the module from the OBD port in the vehicle. The LED is off if there is not power at the OBD port. In this case please check the fuses in the vehicle, usually it is the one associated with the cigarette lighter.

Cellular: Amber LED also indicates Cellular connection status. The LED state of slow blink indicates that the device is not attempting to connect to the cellular network. A rapid blinking amber LED indicates that the device is trying to connect to the network and a solid amber LED indicates that the device is connected to the cellular network.

GPS: Green LED indicates GPS fix status. The green LED will flash slowly when invalid GPS data is received. A rapid blinking green LED indicates that the device is trying to connect to satellites. The solid green LED means that it has a valid GPS lock.

Ignition: Red LED indicates ignition. No red LED ignition is off. Solid red LED ignition is on.



NOTE: It may take up to 20 minutes for Track 2000 to synchronize with the satellite and registered on the cellular network for the first time.

Step 3: Installation Verification Process

Have the vehicle outside so it can get a good GPS and Cellular signal.

1. Install the device and wait for 5 minutes.
2. Turn the vehicle on and let it run for 5 minutes.
3. Turn the vehicle off and wait for 5 minutes.
4. Turn the vehicle on again and let it run for another 5 minutes.
5. Turn the vehicle off and wait 10 minutes.
6. Installer or customer will call IndusTrack support to confirm correct installation of device.
Support phone number is 612-746-4017 x2
 - a. IndusTrack Support will confirm
 - i. Ignition On/Off working as expected
 - ii. RSSI number of the cellular signal strength
 - iii. Number of satellites and HDOP number
 - iv. Check PTO if applicable
7. Installer should also provide pictures of wiring (only for units that has wires) as well as location of devices (non OBD ii devices only) in the vehicle.
8. One week following the installation of the final device, IndusTrack support will have a call with customer to confirm device behavior and sign off on installation.

FAQ

Q) What causes the device not to report?

A) The main cause of the device not reporting is lack of power to the OBD port. You can test for power by using the lights on the device or an OBD code reader. The majority of the time this is caused by a blown fuse. The most common fuse is the one associated with the cigarette lighter, this is often shared with the OBD port.

Q) Device has power (i.e. lights are on) but isn't reporting?

A) Check the amber colored LED, is it a slow blink like a heart beat or a rapid blink where it barely goes off in between blinks. In the case of a slow blink unplug the device and wait for a couple minutes and plug it back in. This will perform a reboot and might get the device to start reporting. If nothing changes contact support for further analysis. If it is a rapid blink the device is most likely in a bad cellular coverage area and will reconnect when it gets a good signal.

Contact Information

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