I.D. Systems®

UTP 1.0

INSTALLATION & VERIFICATION INSTRUCTIONS

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Disclaimer and Limitations of Liability

The information contained in this Guide is subject to change without notice and should not be construed as a specification.

NOTICE: This device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s)].

Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTICE: Changes or modifications made to this equipment not expressly approved by I.D. Systems may void the FCC authorization to operate this equipment.

To comply with FCC/IC RF exposure limits for general population / uncontrolled exposure, the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

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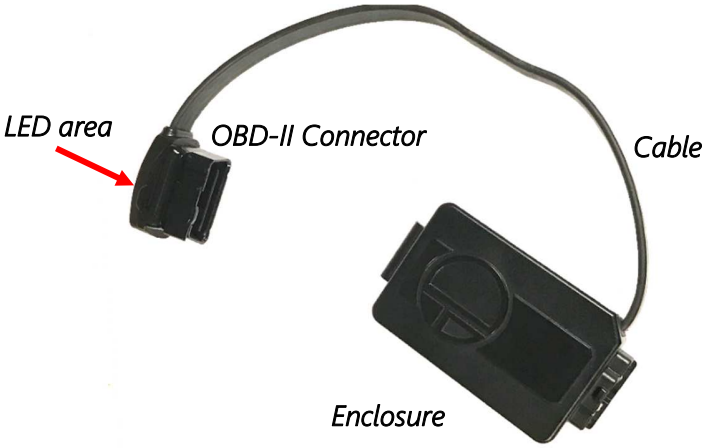
1. Overview

- This document details UTP 1.0 (remote vehicle monitoring and control hardware) installation and verification process.
- Failure to follow the installation and verification processes may result in improper device operation and/or payment dispute for installation services.
- Contact Avis Budget Group customer support at xxxxxxxxxx with any questions regarding installation and/or verification.
- This document can be download in electronic format from http://ww2.id-systems.com/support/training/VMS_Guides/UTP1.0_installation_Rev1.pdf.
- Any recommendations and/or corrections should be forwarded to dflanagin@id-systems.com.

2. UTP 1.0 Components

- UTP 1.0 Enclosure
- Cable
- OBD-II Connector
- LED area



3. Required Tools (Not Provided)

- Five 8” tie wraps
- 4.5” wire cutter

4. Installation Steps

NOTE: In all cases, safe location and secure mounting of the UTP 1.0 device is the installer's primary concern.

Installer is responsible for ensuring the UTP 1.0 device is safely and securely mounted and does not interfere with vehicle operation.

1) Locate the vehicle's OBD-II port (usually located on the bottom left of the driver's side dash).

- Depending on the vehicle make/model, sometimes the OBD-II port is located in the bottom middle or bottom right of the driver's side, under the dash area.
- With Kia and Hyundai vehicles, the OBD-II port is usually located on the front left side of dash through a small access panel.

Example Location of OBD Port (varies by vehicle model)

2) Turn the engine on and roll down the driver's side window, leaving the car door open prior to installation.

3) Make sure the OBD-II connector latch is in the “open” position, then plug OBD-II connector into the vehicle OBD-II port. Make sure the connector is seated all the way down. After plugging it in, move the latch back to the closed position.

Connector Latch Closed

Connector Latch Open

UTP 1.0 plugged into OBD-II port

4) If the vehicle alarm should sound during installation, use the key fob to unlock the doors and disable the alarm.

5) Once the UTP 1.0 connector is plugged in, the green LED light on the connector will begin to flash. It will take approximately 3.5 minutes to in-fleet successfully. (See LED Indicators for more information.)

- LED Pattern: Quick blink for 3 minutes, then periodic flashing for 30 seconds before the LED turns solid green.
- If the LED on the UTP 1.0 connector turns red, make sure the car/vehicle is a certified make/model.

Solid green LED indicates successful in-fleet

6) When the UTP 1.0 in-fleets successfully (the LED turns solid green), the enclosure is ready to be routed under the dash and tie-wrapped to a wire harness. When searching for a wire harness, locate a thick, immovable location.

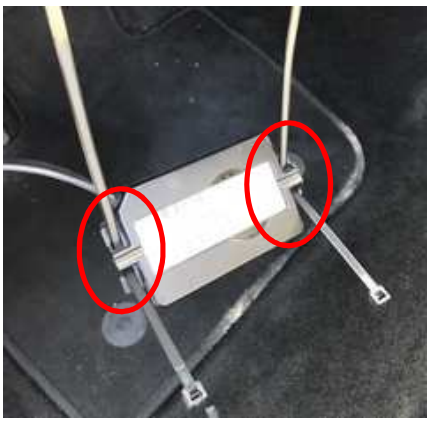
- Avoid installing the UTP 1.0 in the brake or gas pedal areas. Also, avoid installing on loose wire harnesses.

Locate a wire harness

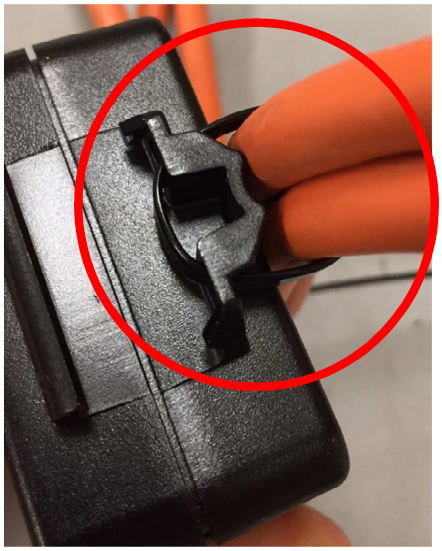
Do not install near brake / gas pedal area

7) When tie wrapping the UTP 1.0 to the vehicle harness, wire tie both sides of the UTP 1.0 enclosure.

Location of tie-wrap insert on enclosure



Tie wraps fed through inserts on both ends of UTP 1.0



UTP 1.0 mounting feature and secured to vehicle harness

UTP 1.0 securely tie wrapped onto wire harness. In this example, one side of the UTP 1.0 is tie wrapped and UTP cable is tie wrapped onto the wire harness as well.

8) **Final Install Validation**: Make sure the UTP 1.0 enclosure is tucked in behind the panel and not visible to the customer. Double check to make sure the UTP 1.0 is tie wrapped securely to a wire harness and away from the gas/brake pedal area.

UTP 1.0 installed on 2017 Ford Fusion. UTP is routed and tie wrapped onto a wire harness behind the panel.

5. LED Indicators

GREEN LED	**RED LED**
Fast blink = firmware download	Fast blink = non-certified vehicle
Slow blink = installing	Slow blink = no cellular
Solid on = install successful	Solid on = install failure
If both LEDs are…	
OFF after install = Normal	
OFF at install = No power	
ON = Fatal exception	

6. Installing on Multiple Vehicles at the Same Time

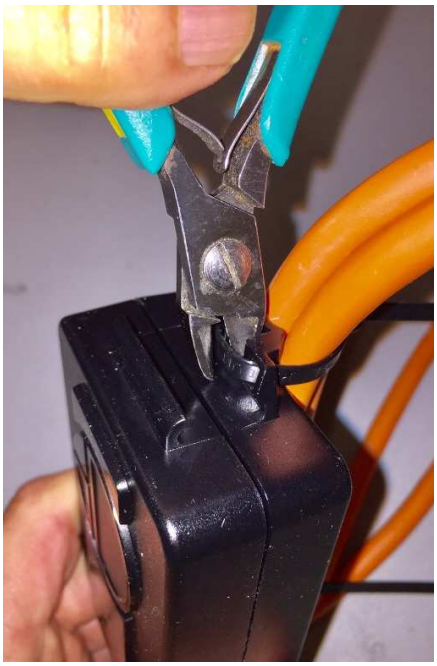
The following process is recommended to speed the overall installation when installing UTP 1.0 devices on multiple vehicles at the same time.

1) Arrange up to 10 cars side-by-side with enough room to open driver-side doors without hitting the adjacent vehicle.
2) Starting with the first vehicle:
   - Turn vehicle ignition on, roll down driver-side window, and leave driver door open.
   - Plug the UTP 1.0 unit into the OBD-II port and leave UTP 1.0 hanging down while waiting for the device to complete the In-Fleet process.
   - Proceed with remaining vehicles
3) Go back to the first car and make sure the LED on the UTP connector has turned solid green (indicating successful In-Fleet).
4) Once the UTP 1.0 LED has turned solid green, use two wire ties to attach the UTP 1.0 to a wire harness under the dash panel.
5) Make sure the UTP 1.0 OBD-II plug is fully seated into the OBD-II port and the slide is in the locked position.
6) Repeat the attachment and lock verification process for the remaining vehicles.

7. Uninstalling the UTP 1.0

To safely uninstall the UTP 1.0, follow these steps:

1) Use the built-in tie wrap cutting feature on both side of the UTP 1.0 when cutting/removing tie wraps, so as not to damage the wire harness or the UTP 1.0 enclosure. See photos below.



Carefully cut tie wrap without damaging harness or the UTP 1.0 enclosure

2) Move the OBD-II connector latch to the open position and unplug the OBD-II connector from the vehicle OBD-II port.
3) Coil the UTP 1.0 cable, securing it to the enclosure, and fasten the OBD-II connector onto the receptacle on the enclosure. Move the latch to the closed position.

Coil the cable, securing it to the enclosure

Fasten OBDII connector to enclosure

4) Stack UTP 1.0 devices (as pictured below).