



CTO 7 Kit Instructions.

Date 5/9/2012

CTO 7 Kit and Installations Instructions.

The cradle of the CTO7 contains PINS for the CTO to make contact and the cable connection is in the cradle on the back side. The CTO 7 must be “pre-charged” prior to shipping.

Every CTO7 kit must include the following (picture 1):

- 1) CTO 7 Specific Cable –different from CTO 2, must verify the label (picture 2)-
- 2) Mounting Bracket
- 3) CTO7 Cradle –side connector-
- 4) Cable retention clip (attached to the cradle)
- 5) Power cable (DB9 to Mini USB)



Picture 1.



Picture 2.

When installing the CTO7, finding the correct location for the bracket is critically important. Be sure that the screws are drilled into a solid surface; the weight of the CTO could cause vibrations and failure of the mount.

The bracket is intended for vertical placement on surfaces where the angle does not exceed 45 degrees. The mount will work best on the face of the dashboard or the overhead console. Placing the CTO on the corner above the corners of the A pillar and the headliner works very well in large trucks.

Never mount the CTO7 on top of the dash or anywhere where it may block the view outside the vehicle. Never mount the CTO in locations where the driver will have to turn his head away from the road or reach away from the driver compartment. Placing the CTO in low locations is not recommended.

We acknowledge that in small trucks the only location is low on the dash, if you have that situation use the 4 inch MOUNT EXTENSION to increase the mounting angle and CTO height. The extension will allow for 85 deg of mounting angle.

If replacing an MDT you have the option to leave the gray serial cord and connect the CTO cable to it. Be sure to secure the connectors using 2 cable ties (both sides have male screws). The other option is to connect the CTO cable direct to the TM450 harness.

WARNING: Be sure to use the CTO7 MARKED CABLE. Using the CTO2 cable will damage the cable and the CTO7 may not work properly.

Standard Mount



When Installing the CTO7 for HOS, the FIL MUST BE INSTALLED. Place the FIL in an area where it will not be flashing directly on the driver's face. Not having the FIL properly placed with the instruction sticker around it, represents a violation of IFTA Rules.

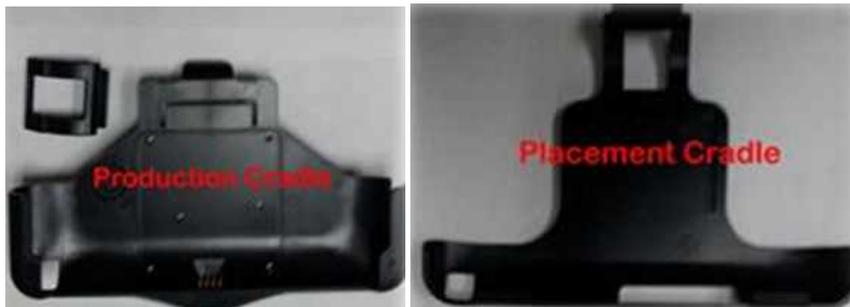


Extension Mount, the standard 1 inch neck can be replaced by the optional 4 inch version for vehicles where it may be necessary.



NOTES

- 1) It is very important that the mini USB connector be pressed down and pushed in right after the installation; the connector is fragile and could come loose if the cable is not properly inserted.
- 2) The cradle top of the bracket must be assembled, see the picture below for reference.



- 3) The CTO7 cable is different than the CTO2 cable. The CTO2 cable is not rated for a high enough power draw to support the CTO7. The risk in using the CTO2 cable is it can overheat and has the capability to actually burn. **** The CTO7 cable MUST be used on all CTO7 Installs.**



I have read the above instructions.

VSR Name and Signature _____ Date _____