



## **DTX SERIES**

# **Installation Instructions for the Model DTX-UNICB Universal Mount with Cage Bracket for the Model DTX-RC Rear Camera**

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## **Safety Messages to Installers of Federal Signal Products**

### **⚠ WARNING**

People's lives depend on your proper installation and servicing of our products. It is important to read and follow all instructions shipped with this product. In addition, listed below are some other important safety instructions and precautions you should follow:

- To properly install a vehicular camera system and the options, you must have a good understanding of automotive electrical systems along with proficiency in the installation and use of safety warning equipment.
- Read and follow all safety and operating instructions before installing, configuring, or operating the entire DTX Series system. Safety and operating instructions are also located in the DTX Series software interface and can be accessed by clicking the Help button.
- DO NOT install equipment or route wiring in the deployment path of an airbag.
- If a vehicle seat is temporarily removed, verify with the vehicle manufacturer if the seat needs to be recalibrated for proper airbag deployment.
- When drilling into a vehicle structure, be sure that both sides of the surface are clear of anything that could be damaged. Remove all burrs from drilled holes. To prevent electrical shorts, grommet all drilled holes through which wiring passes. Also ensure that the mounting screws do not cause electrical or mechanical damage to the vehicle.
- You should frequently inspect the DTX Series System to ensure that it is operating properly and that it is securely attached the vehicle.
- File these instructions in a safe place and refer to them when maintaining or reinstalling the product.

Failure to follow all safety precautions and instructions may result in property damage, serious injury, or death.

## **Product Overview**

The Model DTX-UNICB Universal Mount with Cage Bracket (FSC Part No. 8605234) is a mounting option for the Model DTX-RC Rear Camera. With dual gimbal joints providing universal viewports, the DTX-UNICB is ideal for monitoring passengers behind the cage barrier in a police vehicle. The DTX-UNICB is preassembled and requires no drilling, making the installation of the rear camera quick and easy. It also comes with an Allen key to aid in the installation.

## **Required Tools**

- Allen key supplied with the DTX-UNICB
- Phillips screwdriver
- 7/16" ratchet

## **Installing the DTX-UNICB Universal Mount**

To install the DTX-UNICB Universal Mount on the cage barrier:

- Step 1:** Remove the front universal mount assembly from the primary plate by loosening and removing the three screws and toothed lockwashers.
- Step 2:** Remove the shorter secondary bracket by removing the 1/4-20 hex screw and washer.
- Step 3:** Captivate the two supplied brackets of the assembly across the top of the cage barrier by first sliding the longer primary bracket from the rear of the cage barrier to the front along the vehicle headliner.
- Step 4:** Attach the shorter secondary bracket to the front of the cage barrier by hand tightening the 1/4-20 hex screw and washer onto the primary rear bracket.
- Step 5:** Slide the secondary bracket up to the cage barrier and tighten the 1/4-20 hex screw with the 7/16" ratchet.
- Step 6:** Tighten the 1/4-20 x 5/8" self-locking set screw through the secondary bracket.

## **Attaching the Camera to the DTX-UNI Universal Mount**

To attach the rear camera to the universal mount:

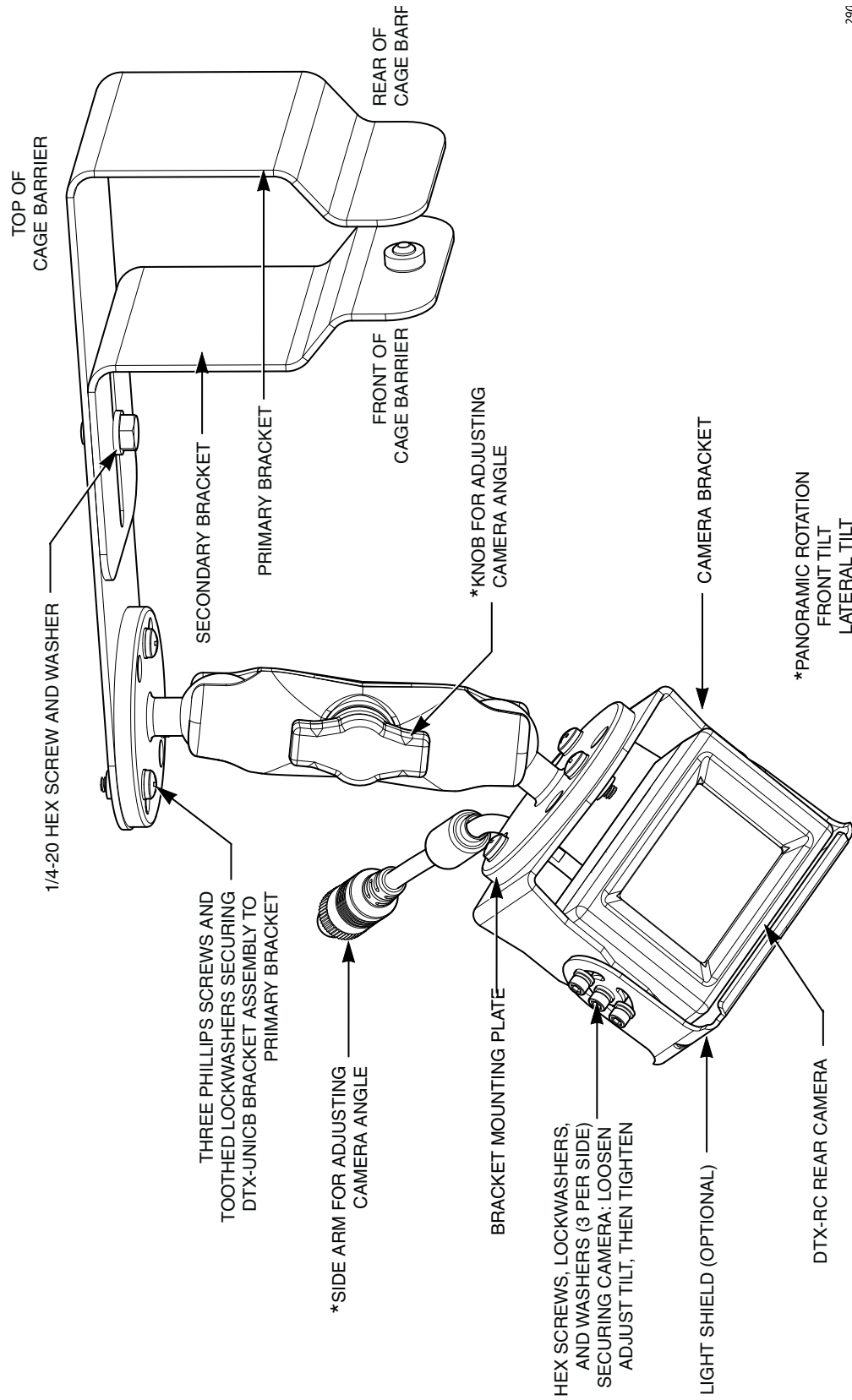
- Step 1:** Remove the standard mounting bracket from the Model DTX-RC camera by using the Allen key to remove the six socket screws, lockwashers, and washers securing it to the camera (Figure 1 on page 3).
- Step 2:** Attach the camera (with the light shield, if required) to the DTX-UNICB mounting bracket with the mounting hardware removed in step 1. (Three screws, lockwashers, and washers per side.)
- Step 3:** Re-attach the universal mount assembly to the primary plate.
- Step 4:** Pivot the camera to the selected viewpoint by loosening the knob and side arm locking the gimbal joints. Tighten the knobs to ensure the assembly remains stable during everyday usage (Figure 1).
- Step 5:** To aim the camera in bracket, loosen the six socket screws, tilt the camera, then tighten the screws.

## **Connecting the Camera Cable**

To connect the camera to the DTX system:

- Step 1:** Route and connect the 17-foot video cable of the DTX-RC camera to the black connector of the DTX-CC peripherals cable from the DTX-2-DVR. Ensure that the cables do not interfere with the operation of any equipment or hinder the activities of the driver and passenger.
- Step 2:** Test the connection to the DTX-2-DVR to ensure the camera cable connection is working properly.

Figure 1 DTX-RC camera attached to DTX-UNICB Universal Mount



## **Obtaining Technical Support and Service**

If a DTX Series system device does not operate properly and falls within the warranty coverage provided, or if servicing assistance is needed, contact technical support at:

Federal Signal Corporation  
2645 Federal Signal Drive  
University Park, IL 60484-3167  
Phone: (800) 433-9132  
empserviceinfo@fedsig.com

## **Returning a Product to Federal Signal**

Before returning a product to Federal Signal, call 800-264-3578, 800-433-9132, or 800-824-0254 to obtain a Returned Merchandise Authorization number (RMA number). To expedite the process please be prepared with the following information:

- Your Federal Signal customer or account number.
- The purchase order number under which the items were purchased.
- The shipping method.
- The model or part number of the product being returned.
- The quantity of products being returned.
- Drop ship information as needed.
- Any estimate required.

When you receive your RMA Number:

- Write the RMA number on the outside of the box of returned items.
- Reference the RMA number on your paperwork inside of the box.
- Write the RMA number down, so that you can easily check on status of the returned equipment.

Send all material with the issued RMA Number to:

Federal Signal Corporation  
Public Safety Systems  
2645 Federal Signal Drive  
University Park, IL 60484-3167  
Attn: Service Department  
RMA: # \_\_\_\_\_  
800-433-9132  
800-343-9706 (fax)  
www.fedsig.com