

T02-00026-2002 Security Mount Installation Instructions

Introduction

The T02-00026-2002 security mount can be used in place of the standard U-cradle to prevent the opportunistic removal of a radio by a third party. It also has a quick release setup that allows the user to swap over radios (e.g. leasing situation). The security mount also provides electrical isolation for the radio.



Warning For continued safe operation, replace and do not re-use the security mount once it has been involved in a crash greater than 30mph (50km/h).



The security mount kit is supplied with two different sets of mounting rails and mounting screws:

- tall rails ② and M4x30 screws ⑦ for radios with a fixed graphical display control head (such as the TM9355 series and the TM9455)
- short rails ③ and M4x25 screws ⑧ for radios with a small control head (such as the TM8100 and the TM9315)

Notice When mounting, do not use the incorrect screw length or mount the rails directly to the metal lid of the radio body. This will cause irreversible damage to the radio. Make sure to follow the installation instructions exactly.

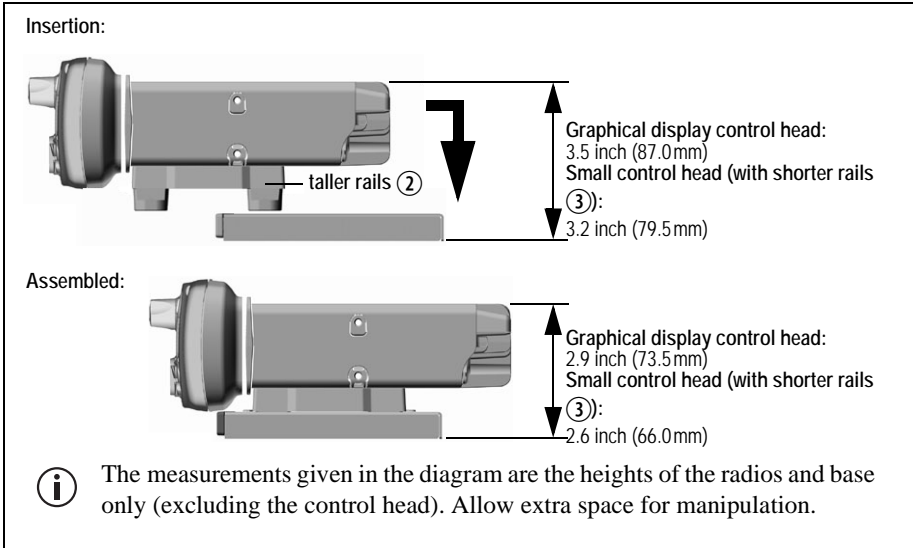
Selecting the Mounting Position



Warning When mounting the security mount inside a vehicle, make sure to mount it securely. Unsecured equipment is dangerous to the vehicle occupants.

Before installing the security mount, make sure that the site chosen for installation meets the following criteria:

- The site has enough height for the radio to be easily fitted and removed.



- The site has enough depth for the radio and cabling. Check that the front and rear overhang of the radios will fit where you are mounting the security mount.
- The site allows for good air circulation, particularly at the rear of the radio.

Mounting the Security Mount Base

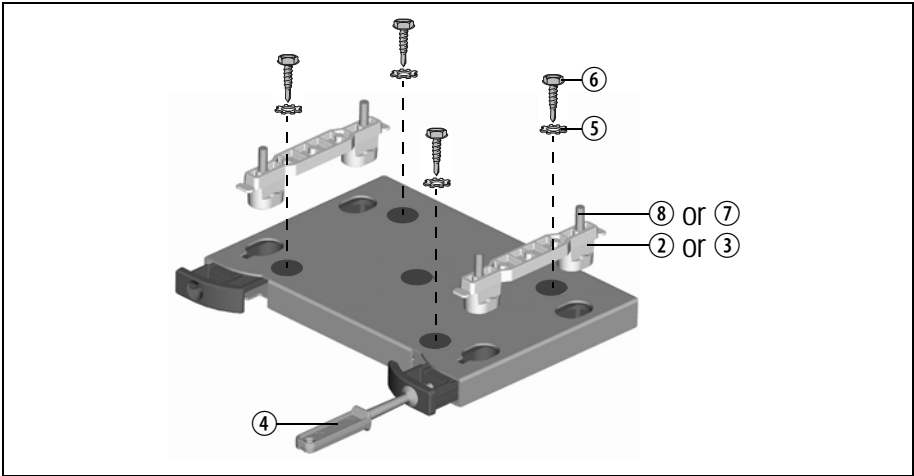
Once you have identified a suitable site for the security mount and radio, use the following procedure to install the security mount base (1 above).



Warning When drilling holes in a vehicle, check that drilling at the selected points will not damage existing wiring, fuel tanks, fuel lines, brake pipes or battery cables.

Notice Check beforehand to see if the mounting surface needs to be reinforced.

- 1 Drill any holes required for cables and install suitable grommets or bushings in the holes.



i For more precise positioning, predrill \varnothing 1/8 inch (3 mm) pilot holes for the self-drilling screws. Reduce the pilot hole size in metal that is less than 1/32 inch (1 mm) thick.

- 2 Screw the security mount base in the chosen mounting position using the four self-tapping screws **6** and washers **5** provided. The base actually has five screw holes available, for added support, but the centre screw hole does not need to be used.

Mounting the Radio in the Security Mount Base

- 1 Select the correct mounting rails (**2** or **3**) and screws (**7** or **8**) and attach a rail to each side of the radio chassis.

i The taller rail **2** and the longer screws **7** are used for radios with a graphical display control head. The shorter rail **3** and shorter screws **8** are used for radios with a small control head.

Use two screws per rail and tighten the screws to a minimum torque of 20lbf·in (2.26N·m).

- 2 If the slide locks are closed, open them by inserting the slide lock key **4** into the keyhole. Rotate the key 90° (it will slip into a detent), and pull.

Two slide lock keys **4** are supplied so that you can either use them both at once, or so that you can keep one as a spare.

- 3 Insert the radio, complete with mounting rails, into the security mount base. The feet of the mounting rails will fit securely into the base.
- 4 Close the slide locks by pressing them into the base. There will be an audible click as the internal spring-lock mechanism engages.

Other Security Mount Mounting Options

If the radio is to be mounted on an overhead surface, and the radio control head has a user interface, either of the following procedures will allow the control head to be viewed in the usual way:

- change the orientation of the radio control head, on the radio body, before mounting the radio in the security mount base
- attach the security mount mounting rails to the through holes at the top of the radio body.

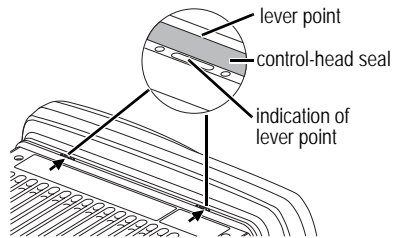
Changing the Orientation of the Radio Control Head

Use the following procedure to remove the control head from the radio body:

Notice During this procedure, ensure the control head seal is not damaged. Damage to this seal reduces environmental protection.

On the underside of the radio, two lever points are indicated on the radio body by a dot-dash-dot pattern (○ — ○). The lever point is between the control head seal and the control head.

- 1 At either of the lever points, insert a 3/16 inch (5 mm) flat-bladed screwdriver between the control head and the control head seal.
- 2 Use the screwdriver to lift the control head off the snap feature and hold to prevent it snapping back into place, then repeat in the other position. The control head can now be removed from the radio body.



Use the following procedure to reinstall the control head on the radio body:

Notice Ensure the control head loom is located such that it won't be damaged on reassembly.

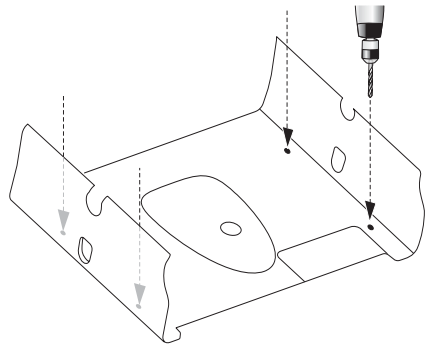
- 1 Rotate the control head 180° so that the control head display is in the correct orientation once the radio is installed in the security mount base.
- 2 Insert the bottom edge of the control head onto the two clips located at the top or bottom of the front of the radio chassis, then rotate the other two clips to snap into place.
- 3 Follow the instructions from step 2 of "Mounting the Radio in the Security Mount Base" on page 3 to complete the installation.

Mounting the Security Mount Rails through the Radio Cover

Notice If this mounting option is used, it is essential that the correct mounting rails and screws are used. The taller rail ② and the longer screws ⑦ are used for radios with a graphical display control head and the shorter rail ③ and shorter ⑧ screws are used for radios with a small control head.

Notice Do not mount the rails directly to the metal lid of the radio body, or use the incorrect screw length. This will cause irreversible damage to the radio.

- 1 At the upper edge of the lower U-bracket screw bosses on both sides of the radio body, insert a 1/8 inch (3 mm) flat-bladed screwdriver.
- 2 Push the screwdriver under the cover towards the upper screw boss to release the cover from under the upper screw boss.
- 3 Remove the cover from the radio body.
- 4 Drill four 3/16 inch (5 mm) holes in the radio cover, in the positions indicated by the small 'dimples' on the underside of the cover.
- 5 Replace the cover on the radio. The holes in the cover should line up with the holes in the radio lid.
- 6 Select the correct mounting rails (② or ③) and screws (⑦ or ⑧) and attach a rail to each side of the radio lid, through the holes in the radio cover.



Use two screws per rail and tighten the screws to a minimum torque of 20lbf·in (2.26Nm).

ⓘ The taller rail ② and the longer screws ⑦ are used for radios with a graphical display control head. The shorter rail ③ and shorter screws ⑧ are used for radios with a small control head.

- 7 Follow the instructions from step 2 of “Mounting the Radio in the Security Mount Base” on page 3 to complete the installation.

Removing a Radio from the Security Mount

Use the following procedure to remove the radio from the security mount.

- 1 Open the slide locks by inserting the slide lock key ④ into the keyhole. Rotate the key 90° (it will slip into a detent), and pull. The pull should be firm to open each slide lock.
- 2 Remove the radio and its mounting rails by lifting it up and out of the security mount base ①.
- 3 If required, remove the mounting rails (② or ③) from the radio body base by unscrewing them.

Replacing the Radio in the Security Mount

Use the following procedure to replace the radio in a security mount.

- 1 Remove the radio from the security mount by following the steps in “Removing a Radio from the Security Mount” on page 6.
- 2 Install the new radio by following the steps in “Mounting the Radio in the Security Mount Base” on page 3.

Disassembling the Security Mount

Use the following procedure to disassemble the security mount.

- 1 Remove the radio from the security mount by following the steps in “Removing a Radio from the Security Mount” on page 6.
- 2 Unscrew the four self-tapping screws holding the security mount base in place.

More Information

Refer to your radio provider for more information about this product.