



Antenna Installation Instructions

Installing the Antenna Mount and Antenna

The following procedures summarize the RF antenna manufacturer's instructions, which ship with the antenna components. Itron recommends consulting the manufacturer's instructions in addition to this installation guide.

When deciding where to mount the antenna:

- Choose a flat area on the vehicle's roof, where the metal of the roof is .02-.04 inches thick.
- Install the antenna at least 12 inches from any other antennas or metal structures on the vehicle's roof that could disrupt its reception of endpoint transmissions.

To install the antenna mount

These procedures refer to the permanent antenna mount. If you purchased the Portability Kit, place the magnetic antenna base on the roof in an appropriate spot and follow steps 7 through 10, below, to attach it to the FC200.

1. If the vehicle has a headliner, remove it and the adjacent trim pieces and/or dome light if necessary to gain access to the antenna mounting location from inside the vehicle.

NOTE: *Do not* shorten or secure any cabling until you are sure how you want to route the cable to the FC200 and whether it will reach.

2. Cut a 3/4-inch diameter hole in the roof at the selected location.
3. Unscrew and remove the lock nut and O-ring from the bushing assembly.
4. Feed the antenna cable through the hole from the top of the vehicle, until the bushing assembly is in position to drop into the hole.
5. Tilt the bushing (1) at a slight angle, and feed it into the hole (2) in the roof (3).
(The threaded top of the bushing is too large to fall through the hole.)
6. Making sure the O-ring (5) is in the groove on the bottom of the lock nut (4); screw the lock nut onto the bushing. Tighten the lock nut until it secures the assembly in place on the roof and the O-ring is fully compressed.
7. Route the cable along the inside of the vehicle to the point where the FC200 is mounted. If desired, tape it in place or otherwise attach it to the inside surfaces.
8. Make sure it reaches the FC200 with sufficient slack to connect to the coaxial antenna connector.
9. Replace the headliner, trim, and/or dome light you removed earlier.
10. Connect the antenna cable to the FC200's coaxial antenna connector.