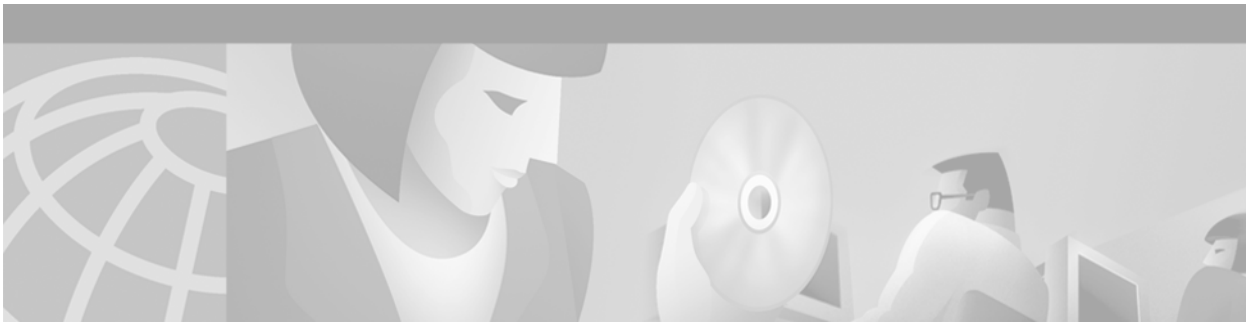

Mounting Instructions for the Cisco Aironet 340 Series Omni-Directional Access Point Antenna

March 27, 2000

This document describes the omni-directional Access Point antenna and provides instructions for mounting the antenna.

Installation Notes

Choosing a Mounting Location

The antenna is designed to create an omni-directional broadcast pattern. To achieve this pattern, the antenna should be mounted clear of any obstructions to the sides of the radiating element. If the mounting location is on the side of a building or tower, the antenna pattern will be blocked on the building or tower side.

Mounting the Antenna

The antenna is provided with a mounting kit. This kit allows you to mount the antenna to masts up to two inches in diameter.

The antenna is vertically polarized. Since the antenna has vertical gain, it is very important to mount the antenna in a vertical (not leaning) position for optimal performance.

To mount the kit to the antenna (See Fig. 1) insert both 1-in. U-bolts through holes in the mounting plate. The 1-in. U-bolts will use one each of the circular hole and the elongated hole. Each U-bolt is equipped with a pair of the following: washers, primary nuts, and lock nuts. To simplify installation, put the washer on first, followed by the primary nut, followed by the lock nut. Next, slide the base of the antenna (aluminum feed) through the U-bolts and tighten the nuts.

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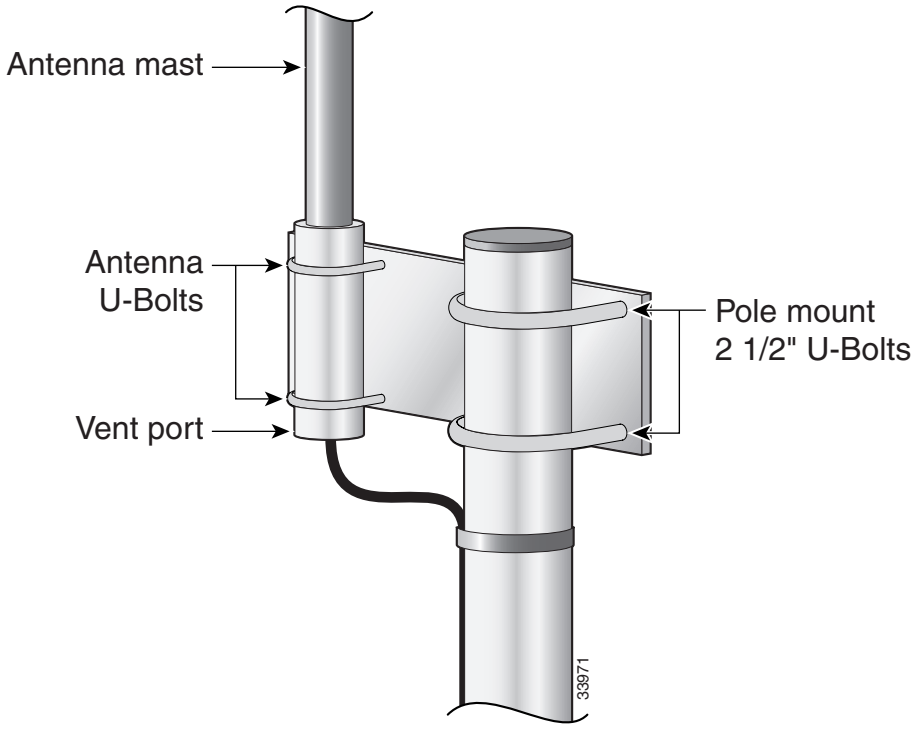
Figure 1



To mount the mounting plate with the antenna attached to desired mast (See Fig. 1), insert both 2-½-in. U-bolts through holes in the mounting plate. Each U-bolt is equipped with a pair of the following: washers, primary nuts, and lock nuts. Place the mounting plate in the desired location on the mast, attach the washers, primary nuts and lock nuts in the same manner as described above, and tighten.

Note The antenna is **not** DC grounded. It is recommended that you install lightning-protection devices in your system.

Suggested Cable

Cisco recommends a high-quality, low-loss cable for use with the antenna.

Note The higher the frequency, the higher the loss through the cable. Also, the longer the run, the higher the loss.

The antenna terminates with a special connector (reverse-TNC plug) after a short, 1-ft. cable. The mating connector to the antenna is an appropriate reverse-jack TNC connector. The connector on the opposite end will vary according to the type of equipment used.

After the cable is attached to the antenna, make sure that the connections are sealed (if using outdoors) to prevent moisture and other weathering elements from affecting the performance. Please make note that the holes on the bottom of the antenna at the base (where the cable exits the antenna) should not be covered, as this allows the antenna to properly vent any internal condensation.

The final step is to attach the antenna to your transceiver.