

Non-Penetrating Antenna Kit Install Guide (Q12751-INST)

The Non-Penetrating Antenna Kit is designed for mounting a ground plane omnidirectional antenna when mounting to the side of a structure is not practical. The overall footprint of the frame is 29 inches x 35 ½ inches (73.66 cm x 88.9 cm).



NOTE

Installation requires six 8 in. x 8 in. x 16 in. concrete blocks (not supplied).

The kit is supplied with the following parts. If any of these items are missing, please contact Primex.

Description	Qty
Rigid galvanized conduit mast 5 ft. x 1.25 inches (1.52 m x 3.17 cm)	1
Tripod leg: 27 in. (2.54 cm) each in length	3
Frame rail (long): 34 ¾ in. (88.26 cm)	2
Frame rail (short): 28 ¼ in. (71.75 cm)	4
Grounding Clamp	1
Long carriage bolt	1
Short carriage bolt	11
Flat washers	12
Lock nuts	12

Assemble non-penetrating antenna roof mount

1. Verify the kit contents.
2. Assemble the outer frame by laying the two long frame rails parallel to each - approximately 30 in. (76.2 cm) apart.
3. Insert a short carriage bolt from the bottom at each frame rail end, pointing skyward (4 total).
4. Connect the two long frames rails by placing the two short frame rails on top of the four protruding bolts to form a rectangle. Make sure the square holes in the short tail "sides" are directly opposite each other.
5. Place a washer and nut on each of the four bolts and finger tighten.
6. Position the tripod within the four-sided frame.
7. Secure the three tripod legs to the inside of the frame by inserting three short bolts, from the inside and placing the washer and nut on the outside of the frame.

8. Drop the bottom of the mast (end with hole) through the top of the tripod collar.
9. Place the remaining two short rails parallel to each other, separated by the bottom of the mast.
10. Align the hole at the bottom of the mast, with the two square holes in the short frame rail sides.
11. Insert the long bolt and connect the frame rails to the mast.
12. From the underside of the frame, insert the four remaining short bolts upward and connect the inner short tails to the frame.
13. Tighten all nuts to secure.
14. Use six 8 in. x 8 in. x 16 in. concrete blocks to ballast the antenna mounting. Blocks are to be placed from rail to rail on each side of the mast; three blocks per side with a single block placed on each end and one in the middle.

