

GRAIN INDUSTRIES INSTALLATION INSTRUCTIONS MOUNTING KIT FOR GI-100/1000 AM TRANSMITTER

Introduction

The mounting kit for the GI-100/1000 AM Transmitter provides a convenient means for mounting the transmitter unit to a fixed post having a maximum diameter (or width) of 2.1 inches. This sheet describes the use of the supplied hardware to do a typical mounting. **For complete installation instructions of the transmitter, including alternate mounting methods, refer to the GI-100/1000 Operator's Manual.**

Equipment

The mounting kit parts are made of iron that has been hot zinc dipped to resist corrosion. The parts are as follows:

2	“U” bolts	2	cross bars
12	nuts	20	flat washers

Required for the mounting site is a sturdy post having a maximum diameter (or width) of 2.1 inches. Tools required are two 7/16” open end wrenches. Additionally, a suitable spacer may be required if the post is much smaller than 2 inches.

Installation

Step 1. First set of nuts.

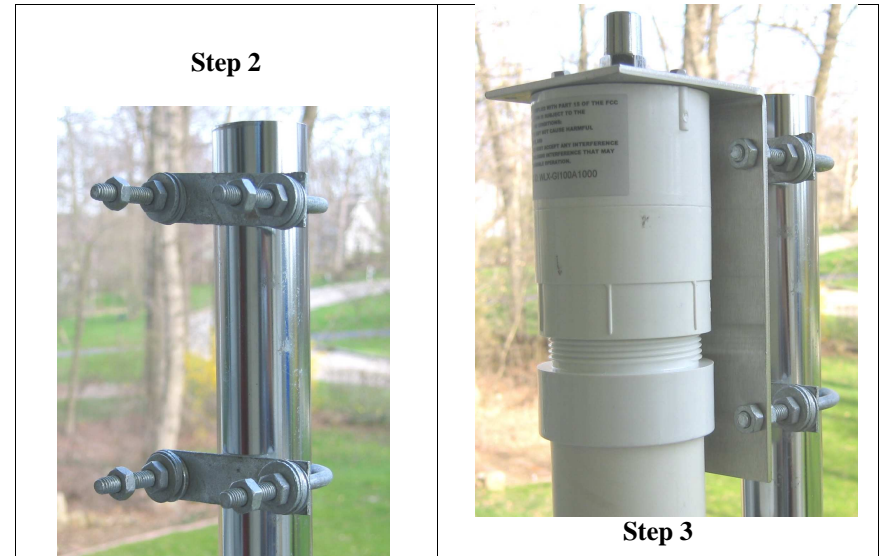
Assemble the U-bolts, cross bars, washers, and the first set of nuts onto the post as shown in the photo. Distribute the washers evenly so that there are five washers under each of the nuts. **NUTS SHOULD ONLY BE FINGER-TIGHT AT THIS STEP.** Each of the bolt ends must have at least 5/8” of threads free. For larger posts, some of the washers may be removed to meet this requirement.



Step 1

Step 2. Second set of nuts.

Place a nut on each of the bolt ends. Thread them down so that 3/8” of the threads are free at the ends of the bolts.



Step 3. Final mounting.

Place the transmitter unit onto the bolt assemblies such that the four bolt ends protrude through the holes in the transmitter's mounting plate. Screw the third set of nuts onto the bolt ends to secure the transmitter into place. Using the wrenches, tighten the third set of nuts down onto the second set of nuts, securely clamping the transmitter mounting plate in four places.

Finally, tighten the first set of nuts, forcing the cross bars around the post. It is normal for the cross bars to deform during this step. If the post is too small to clamp the bolts securely to the post, a separate spacer may be inserted between the bolts and the post as shown.



Mounting with spacer