

Installation of pn 31641 Texas Electronics Rain Gage Funnel Band

Introduction

Part number 31641 is an EPDM rubber band designed to resist weathering conditions. It is 6.35 cm (2.5 in) wide and approximately 22.86 cm (9 in) long. The band secures the funnel to the rain gage during high winds. It is recommended by the manufacturer for all installations.

The following images show installation of the funnel band on a TE525 and TE525MM rain gage. The TE525WS funnel is similar to a TE525MM funnel.

Installation

NOTE: Install the funnel band in the field. The small rubber band securing the tipping bucket, which protects it during shipping, is removed in the following procedure.

1. Remove the funnel from the top of the rain gage. Do not remove the copper clips (3) that mount between the funnel and the rain gage.
2. Remove the funnel band from the plastic bag.



Figure 1: Part Number 31641 EPDM Rubber Texas Electronics Funnel Band

3. Turn the funnel over on a flat surface. Carefully work the band onto the bottom of the funnel. Work the band down around the funnel incrementally — some on one side, then some on the opposite side, and so forth, continuing to work around the funnel. Proceed until half the width of the band is on the funnel.



4. Fold the band over and onto itself. Make sure the band is folded completely away from the edge of the funnel.



5. Remove the smaller rubber band that secures the tipping mechanism on the inside of the rain gage.



6. Seat the funnel back on to the rain gage. Push it all the way down so it is fully seated on the main body. Carefully unroll the band down over the main body so that approximately 2.5 cm (1 in) of the band is on the funnel and the rest is on the main body. **Be careful** that the funnel does not slip up during this process and remains seated.

NOTE: The band will have a slight bulge where it meets the side mounting arm. Do NOT cut the band to fit around the side mounting arm.

