

Figure 1

1. INTRODUCTION

Solid Wire Grounding Assembly 2058729-1 is used with metal-framed photovoltaic (solar) panels and related products that require grounding for safety reasons.

NOTE



All numerical values in this instruction sheet are in metric units [with U.S. customary units in brackets]. Dimensions are in millimeters [and inches]. Figures are not drawn to scale.

2. DESCRIPTION

The grounding assembly consists of a wire bolt (wire slot on one end and threaded post on the other), $\frac{9}{16}$ -in. hex nut, and $1\frac{1}{32}$ -in. hex washer nut. See Figure 1.

The grounding assembly accepts solid uninsulated copper wire sizes 6 or 8 AWG.

3. INSTALLATION (See Figure 2)

- Using a No. $\frac{11}{64}$ -in. drill bit, drill a $(4.37\pm.203$ [.172±.008]) hole in the frame.
- Insert the thread post end of the wire bolt into the hole.
- Thread the hex washer nut onto the threaded post end of the wire bolt. Finger-tighten.
- Position the wire into the wire slot.
- Thread the hex nut onto the wire slot end of the wire bolt. Finger-tighten until the wire is compressed.
- Using a $\frac{9}{16}$ -in. open end wrench, hold the hex body of the wire bolt, and using an $1\frac{1}{32}$ -in. socket wrench, tighten the hex washer nut to a torque of 2.82 N-m [25 in.-lbs.].
- Continue holding the hex body, and using a $\frac{9}{16}$ -in. socket wrench, tighten the hex nut to a torque of 5.08 N-m [45 in.-lbs.].

4. REMOVAL

- Using a $\frac{9}{16}$ -in. open end wrench, hold the hex body of the wire bolt, and using a $\frac{9}{16}$ -in. socket wrench, loosen the hex nut.

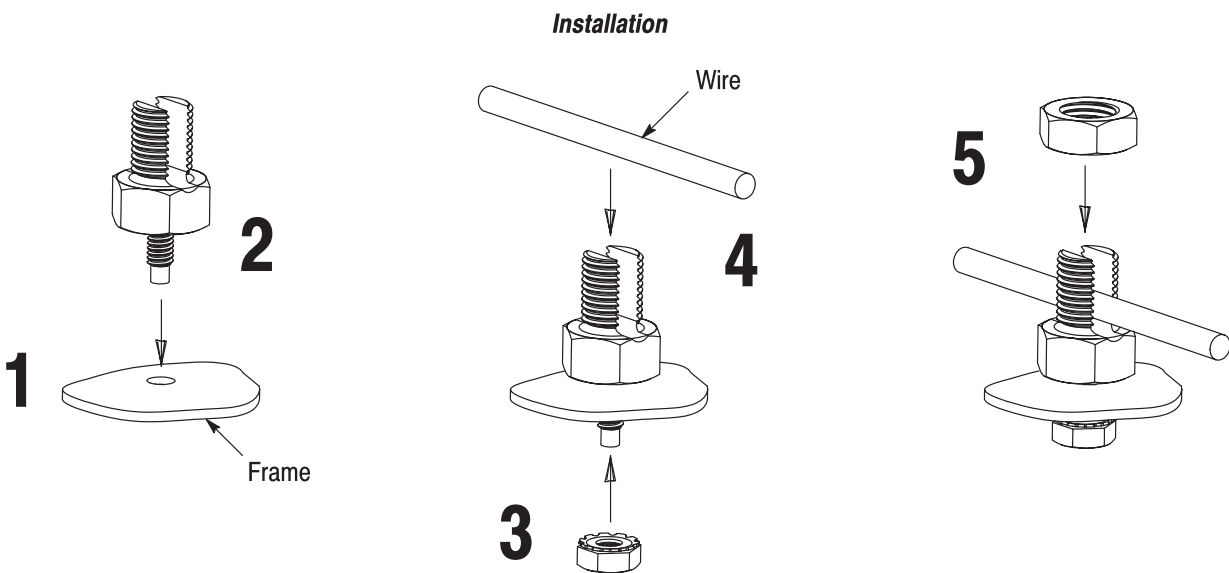


Figure 2

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2. Remove the wire from the wire slot.
 3. Continue holding the hex body, and using an $1\frac{1}{32}$ -in. socket wrench, loosen the hex washer nut. Remove the wire bolt from the frame.

5. REPLACEMENT AND REPAIR

The grounding assembly can be re-used up to 5 times after proper removals. The grounding assembly can not be repaired. DO NOT use defective or damaged product.

Order replacement grounding assemblies through your representative, or call 1-800-526-5142, or send a facsimile of your purchase order to 717-986-7605, or write to:

CUSTOMER SERVICE (038-035)
TYCO ELECTRONICS CORPORATION
PO BOX 3608
HARRISBURG PA 17105-3608

6. REVISION SUMMARY

- Initial release of instruction sheet