

Figure 1

1. INTRODUCTION

Economy Power II contacts [PN 1744200-1(reference)] can be extracted from the receptacle housing [PN 2132781-5 (reference)] using a Micro Precision Tweezers (PN 986170-2).

Read these instructions thoroughly before removing any contacts from the receptacle housing.



NOTE

Dimensions are in millimeters [and inches]. Illustrations are for reference only and are not drawn to scale.

Reasons for reissue of this instruction sheet are provided in Section 5, REVISION SUMMARY.

2. DESCRIPTION

When properly grasping the locking ramp of the receptacle housing, the tweezer is used to raise the locking ramp from the contact locking window, allowing the contact to be removed from the back (wire end) of the housing (reference Figure 1).

3. EXTRACTION PROCEDURE

If the break-away contact retainer is installed in the receptacle housing, remove the retainer before attempting to remove any contacts.



CAUTION

Attempting to remove a contact with the break-away contact retainer installed in the receptacle housing will cause damage to the retainer.

1. Place the receptacle housing on a flat surface with the locking ramps facing up.
2. Grasp the wire of the contact to be removed, and push the contact toward the front (mating end) of the receptacle housing (this will move the front of the contact locking window away from the locking ramp). See Figure 2.

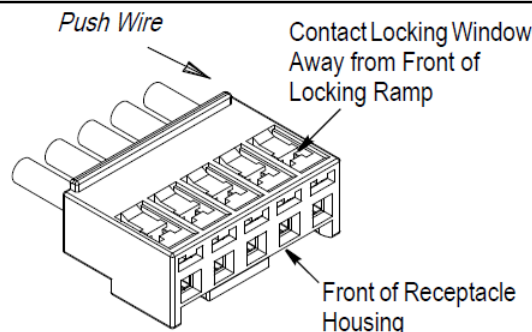


Figure 2

- While keeping the contact in place, position the tweezer under the locking ramp so the tips straddle the contact locking window. See Figure 3.



DANGER

The tips of the tweezer are sharp. To avoid personal injury or damage to the receptacle housing, exercise caution when using the tweezer.



CAUTION

To avoid damage to the contact, make sure the tweezer tips straddle the contact locking window.

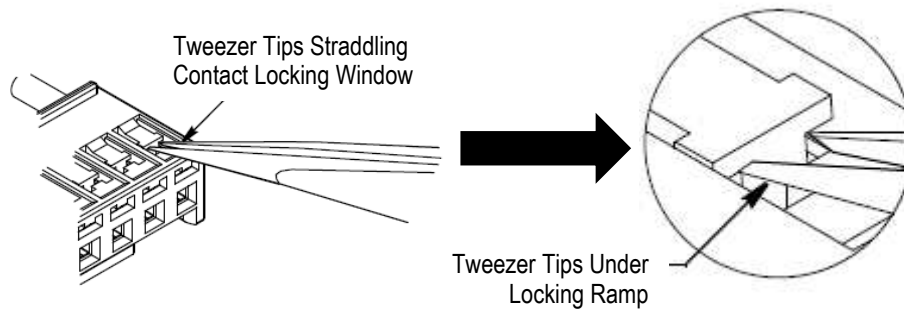


Figure 3

- Slightly squeeze the tweezer, and slide the tweezer tips along the locking ramp. Slowly pivot the tweezer downward so that the end of the locking ramp raises slightly. **Note:** only enough to clear the contact locking window. See Figure 4.



CAUTION

Be careful not to over-extend the locking ramp. If the end of the locking ramp is raised too much, it will NOT return to its original position; and the receptacle housing must be discarded.

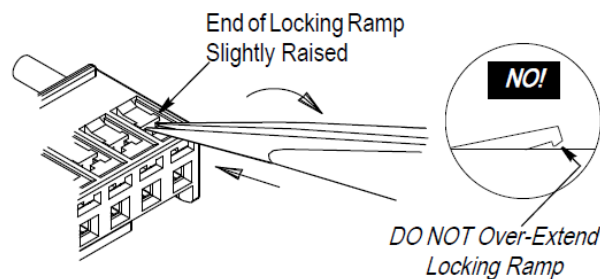


Figure 4

- While holding the locking ramp in position, gently pull back on the wire until the contact is free (see Figure 5).



NOTE

If the contact does not pull out freely, push it back into the receptacle housing, and repeat the extraction procedure.



CAUTION

DO NOT pull the wire abruptly. If the locking ramp is not raised enough to clear the contact locking window, the locking ramp will be cut or sheared (see Figure 5). DO NOT raise the locking ramp to check for damage; instead, after inserting a contact into that contact cavity, pull back on the wire to ensure that the locking ramp has engaged the contact locking window. If the contact pulls out, the locking ramp has been damaged and must be discarded. The contacts may be removed and re-used.

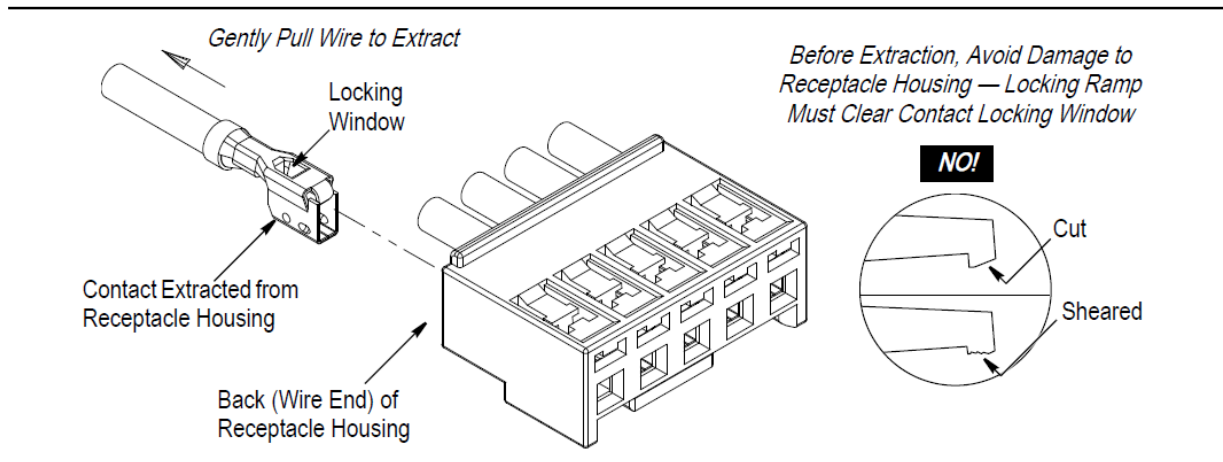


Figure 5

4. REPLACEMENT AND REPAIR

The contacts, receptacle housing, and contact retainer are not repairable. DO NOT use damaged or defective product.

5. REVISION SUMMARY

Revisions to this instruction sheet include:

- ◆ Revised wording in Section 1 to reference Micro Precision Tweezers TE PN 986170-2
- ◆ Updated format and logo
- ◆ Split Figure 2 Detail A, B, and C into Figure 2, 3 and 4. Also, original Figure 3 renumbered as Figure 5.