

PROPER USE GUIDELINES

Cumulative Trauma Disorders can result from the prolonged use of manually powered hand tools. Hand tools are intended for occasional use and low volume applications. A wide selection of powered application equipment for extended-use, production operations is available.

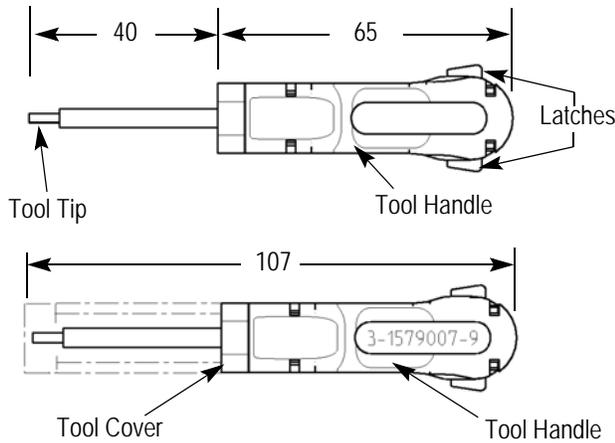


Figure 1

1. INTRODUCTION

This instruction sheet covers the use of Extraction Tool 3-1579007-9, which is designed to remove MQS receptacle contacts from the connectors.



Dimensions on this sheet are in millimeters unless otherwise specified. Figures are not drawn to scale.

2. DESCRIPTION

Extraction Tool 3-1579007-9 consists of a tool handle with locking latches, a tool cover, and an extraction tool tip. Refer to Figure 1.

The extraction tool tip is designed to enter a contact cavity on the connector and release the receptacle contact. When the extraction tool tip is bottomed in the contact cavity, the tip depresses the locking lance of the receptacle contact. The contact can be removed from the housing by manually pulling on the wire.

3. EXTRACTION PROCEDURE



If the MQS connector has a secondary lock, it must be in the pre-lock or "open" position before attempting to remove a contact.

MQS connectors come in a variety of configurations. Determine the type of connector and use the appropriate procedure.

3.1. Connectors with Window to Unlatch the Contact *in the Front of the Connector*

1. Depress the locking latches on the extraction tool cover and slide the cover to expose the extraction tool tip.
2. While holding the connector, grasp the wire at the rear of the housing and push forward toward the mating end to disengage the contact locking lance from the connector cavity shoulder.
3. Insert the extraction tool tip into the window adjacent to the circuit cavity until it bottoms inside the window. See Figure 2.

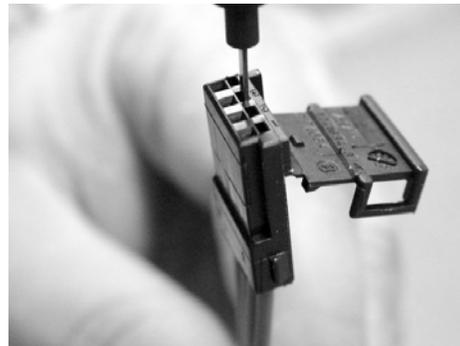


Figure 2

4. Remove the contact from the connector by pulling on the wire attached to it. See Figure 3.

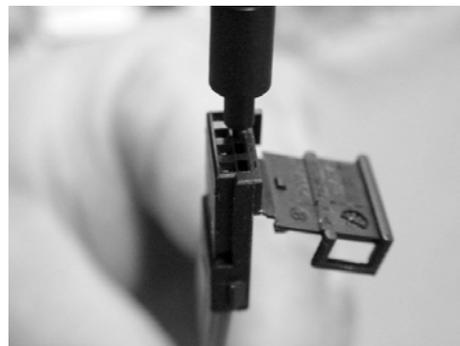


Figure 3

5. To protect the extraction tool tip when the tool is not being used, depress the locking latches on the extraction tool cover and slide the cover over tip.

3.2. Connectors with One Window to Unlatch the Contact *on the Side of the Connector*

1. Depress the locking latches on the extraction tool cover and slide the cover to expose the extraction tool tip.
2. While holding the connector, grasp the wire at the rear of the housing and push forward toward the mating end to disengage the contact locking lance from the connector cavity shoulder.
3. Insert the extraction tool tip into the window of the circuit cavity on the side of the connector until it bottoms inside the window. See Figure 4.

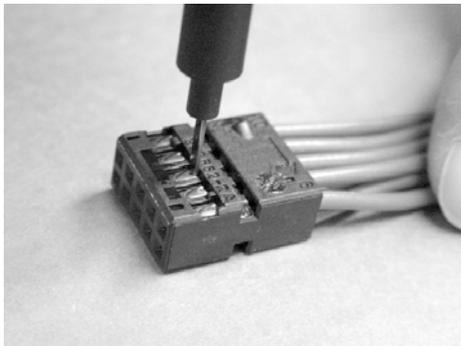


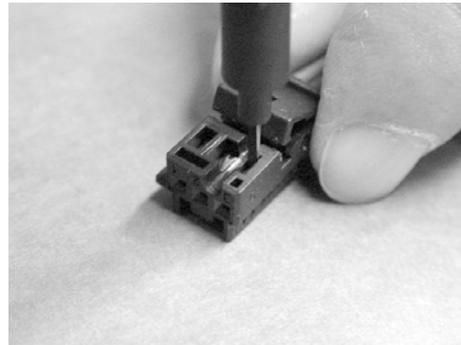
Figure 4

4. Remove the contact from the connector by pulling on the wire attached to it.
5. To protect the extraction tool tip when the tool is not being used, depress the locking latches on the extraction tool cover and slide the cover over tip.

3.3. Connectors with Two Window to Unlatch the Contact *on the Side of the Connector*

1. Depress the locking latches on the extraction tool cover and slide the cover to expose the extraction tool tip.
2. While holding the connector, grasp the wire at the rear of the housing and push forward toward the mating end to disengage the contact locking lance from the connector cavity shoulder.
3. Insert the extraction tool tip into the first window of the circuit cavity on the side of the connector until it bottoms inside the window. See Figure 5.
4. Pull the contact toward the rear of the housing until the latch is visible in the second window.
5. Insert the extraction tool tip into the second window of the circuit cavity on the side of the connector until it bottoms inside the window. See Figure 5.

Insert Tool Into First Window and Pull Wire



Insert Tool Into Second Window and Pull Wire

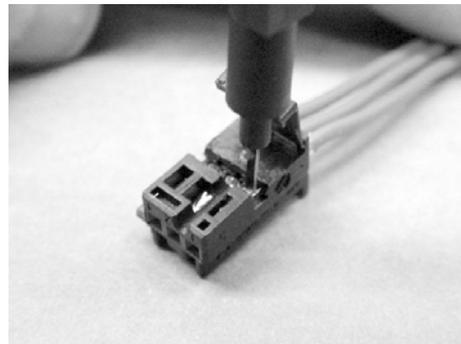


Figure 5

6. Remove the contact from the connector by pulling on the wire attached to it.
7. To protect the extraction tool tip when the tool is not being used, depress the locking latches on the extraction tool cover and slide the cover over tip.

4. TOOL INSPECTION AND MAINTENANCE

The extraction tool should conform to the dimensions indicated in Figure 1. It is recommended that the tool be inspected upon arrival and at regularly scheduled intervals to insure that the tool has not become damaged during handling.

Additional tools may be ordered from:

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

5. REVISION SUMMARY

- Removed old logos from graphics.
- Updated document to corporate requirements.