

1. INTRODUCTION

These instructions cover insertion and extraction of contacts and mating and unmating procedure for Generation Y Plug Assembly 2098269-1.

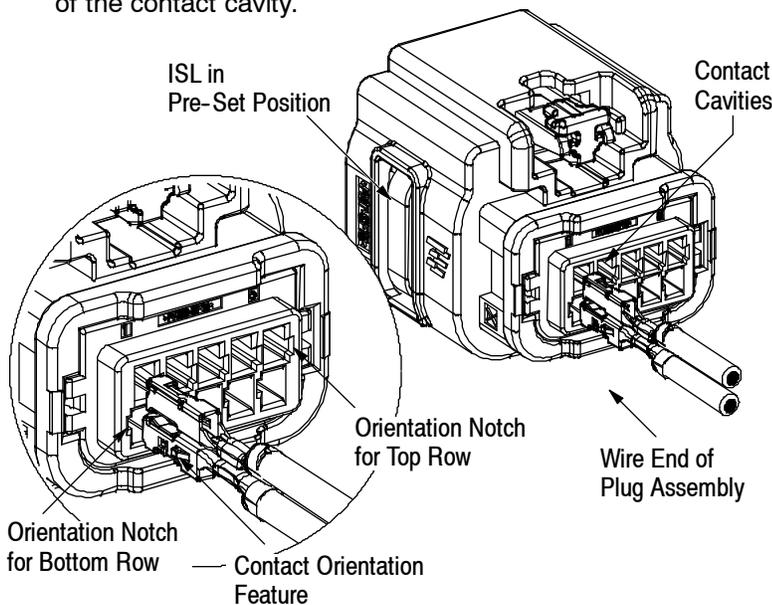
Note: Illustrations of plug assembly are shown having the optional connector position assurance (CPA).

2. REVISION SUMMARY

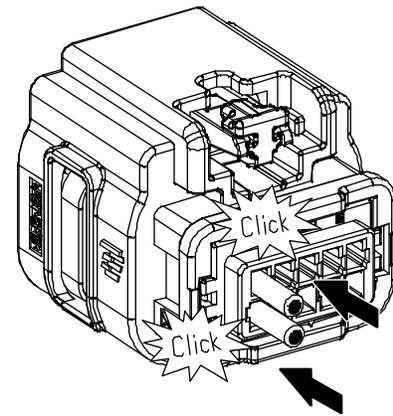
- Initial release of instruction sheet

Contact Insertion

- 1 Ensure that the independent secondary lock (ISL) is in the pre-set position (if it is not, refer to Contact Extraction, Step 1). Then, align the contact with the contact cavity so that the orientation feature is facing the orientation notch of the contact cavity.



- 2 Insert the contact until there is an audible or tactile click.



If the contact is difficult to insert, check for the following:

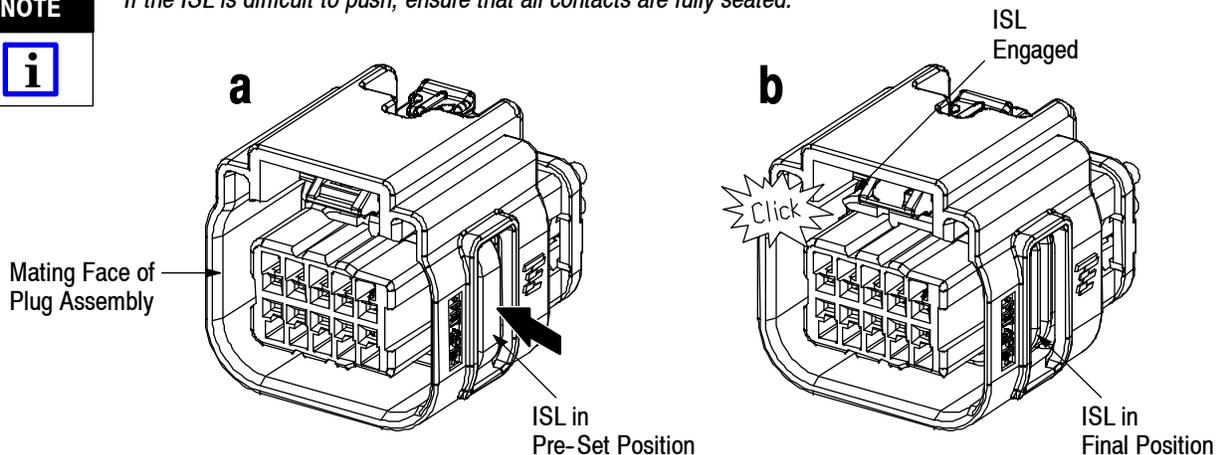
- the contact is oriented correctly (see Step 1)
- the ISL is in the pre-set position (see Step 3)

- 3 After all contacts are inserted, push the ISL inward until there is an audible click. The ISL is now in the final position.

NOTE

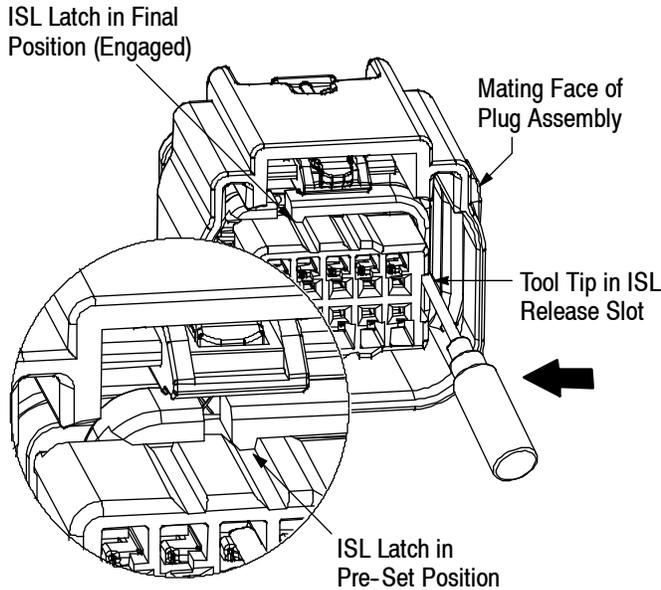


If the ISL is difficult to push, ensure that all contacts are fully seated.



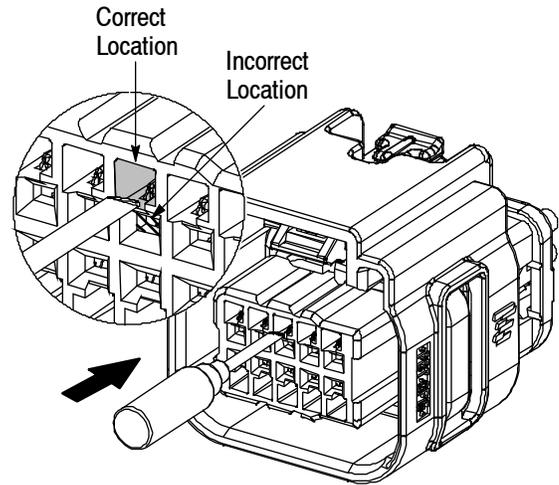
Contact Extraction (Use Extraction Tool 3-1579007-6 or Small Screwdriver)

- 1 Insert the tip of the tool into the ISL release slot, and rotate the tool handle toward the plug assembly until the end of the ISL latch is in the pre-set position.



- 2 Insert the tip of the tool under the internal latch beam of the contact cavity of the contact to be removed.

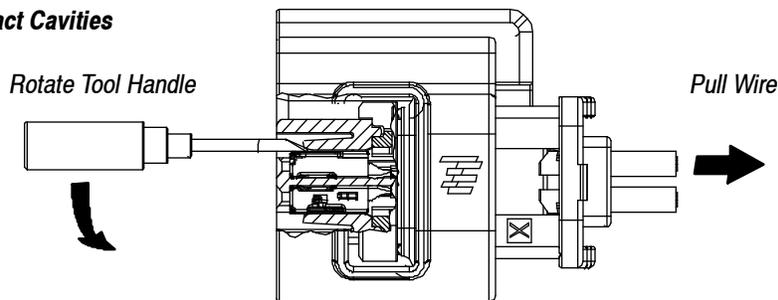
CAUTION  DO NOT insert the tool tip into the incorrect location; otherwise, damage to the contacts will occur. If a contact is damaged, the contact must be replaced.



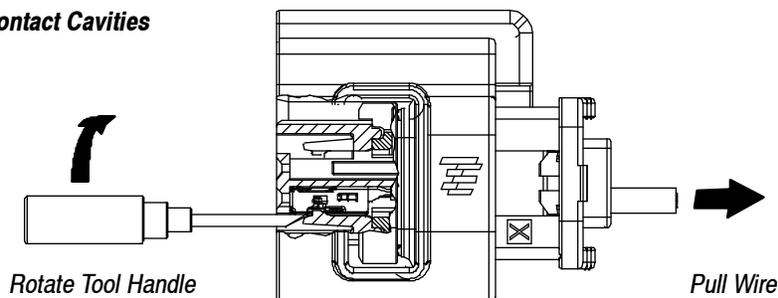
- 3 Rotate the tool handle toward the opposite row of contact cavities until the internal latch beam releases the contact locking latch and, simultaneously, pull the wire until the contact is out of the plug assembly.

CAUTION  DO NOT use damaged or worn contacts.
DO NOT re-use a contact by removing the wire.

Top Row of Contact Cavities



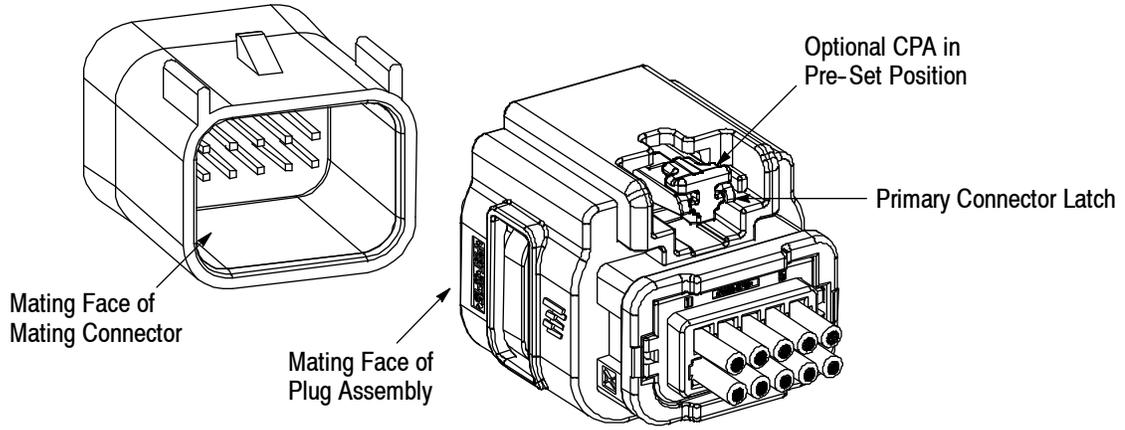
Bottom Row of Contact Cavities



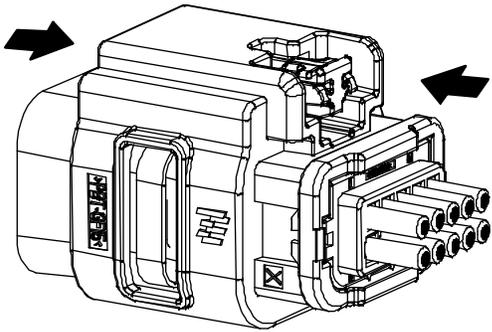
Mating

Plug Assembly With Optional CPA — The plug assembly is supplied with the CPA in the pre-set position. The CPA can only be moved to the locked position after the plug assembly is mated with the mating connector and the primary connector latch engages. Perform Steps 1 and 2.

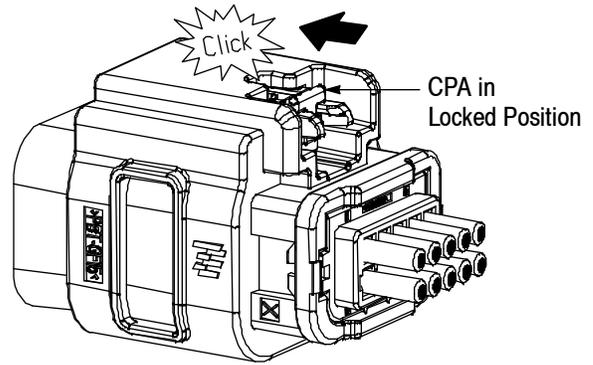
Plug Assembly Without Optional CPA — Perform only Step 1.



1 Holding the housings, align the mating face of the plug assembly with the mating face of the mating connector, and push them together.

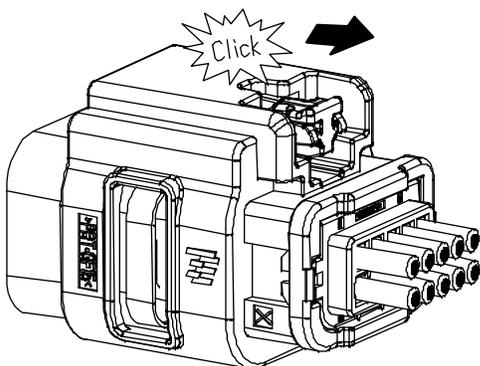


2 Push the CPA inward until there is an audible click (the primary connector latch should be engaged). The CPA is now in the locked position.



Unmating

1 If applicable, gently pull the optional CPA outward until there is an audible click.



2 Hold the housings, and if applicable, simultaneously press the optional CPA, then pull the plug assembly and mating connector apart. **DO NOT** pull the wire bundle.

