

ATV DuraLok Series 38 Pos

Assembly and Disassembly Instructions for ATV DuraLok Series 38 Position

The following Instructions refer to the steps needed for proper contact insertion/extraction when using our ATV 38POS plugs and receptacles.

Required Tooling

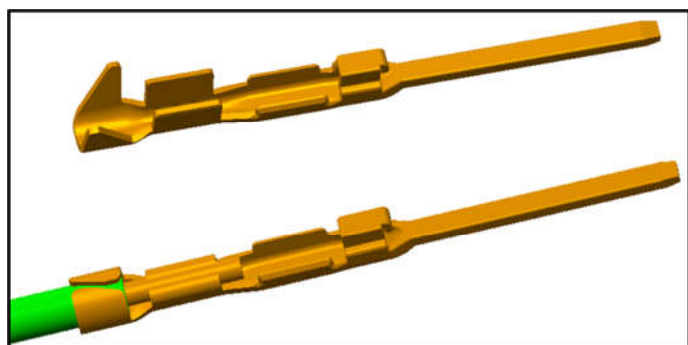
Part Number	Description
ATRT-100	Contact and Wedgeloek Extraction Tool
QXRT16	Extraction Tool for #16 Contact
ATV38-RT01-PIN	Extraction Tool for #16 Contact
ATV38-RT02-SOC	Extraction Tool for #16 Contact



ATV 38POS Receptacle: Contact Insertion

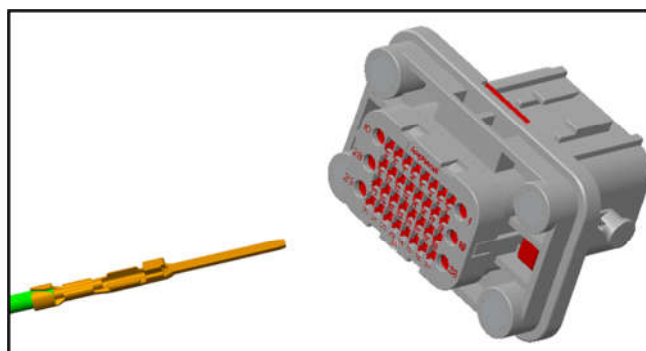
Step 1

Crimp pin contacts(SC000571X) to wire. See appropriate datasheets for application tool.



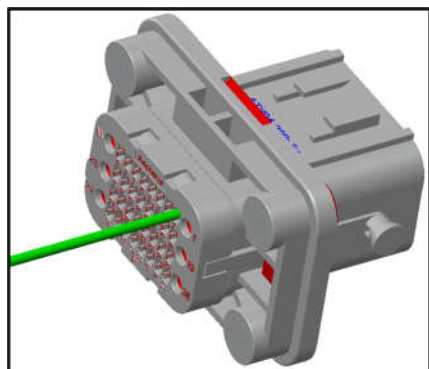
Step 2

Insert crimped contact through rear seal of receptacle.



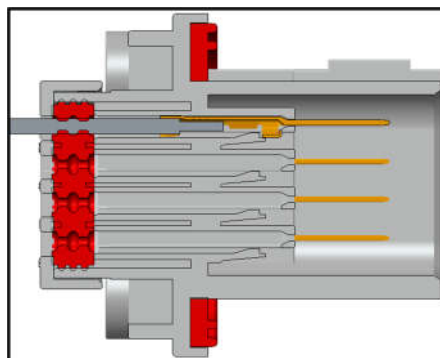
Step 3

Push contact straight into connector until a positive stop is felt. A slight tug will confirm that it is properly locked in position.



Step 4

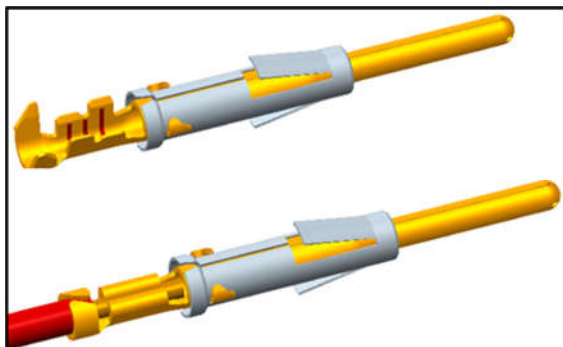
Section View showing final position of contact for reference.



ATV 38POS Receptacle: Contact Insertion

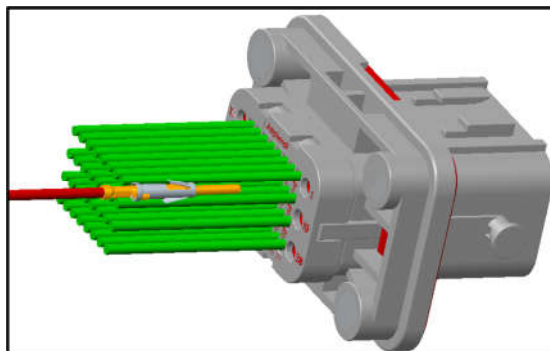
Step 5

Crimp pin contacts (SPXXM1X) to wire. See appropriate datasheets for application tool.



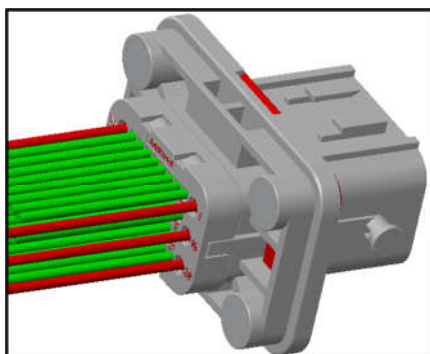
Step 6

Insert crimped contact through rear seal of receptacle.



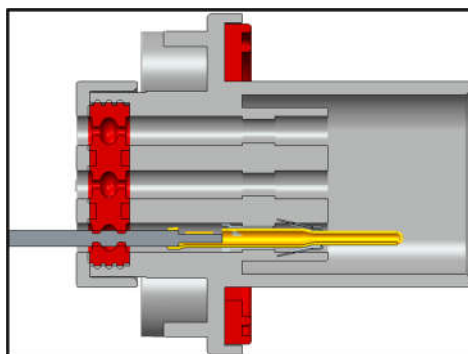
Step 7

Push contact straight into connector until a positive stop is felt. A slight tug will confirm that it is properly locked in position.



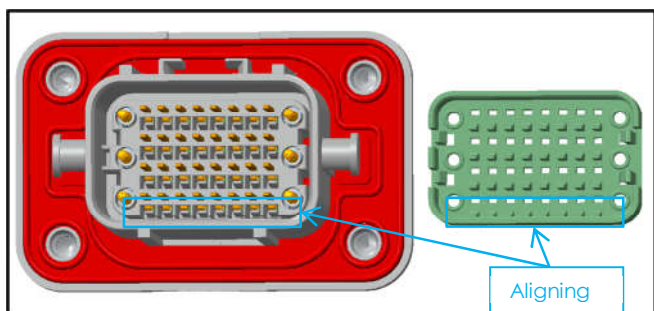
Step 8

Section View showing final position of contact for reference.



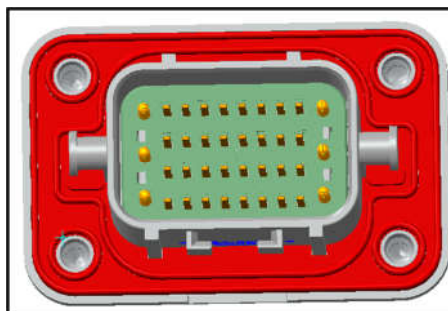
Step 9

Push the wedge vertically into receptacle after the wedge aligns to the Hole of the receptacle.



Step 10

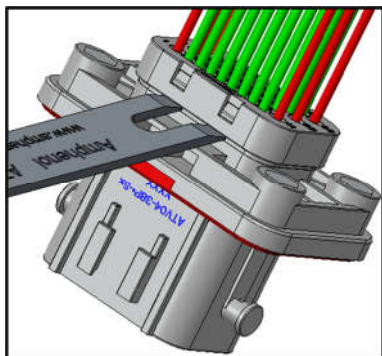
Assemble wedge into the connector.



ATV 38POS Receptacle: Contact Extraction

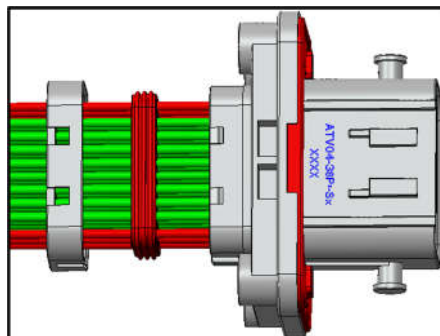
Step 1

Use the small end of the AT Extraction Tool(ATRT-100) to pry open the 2 side clasps and remove the Location Block.



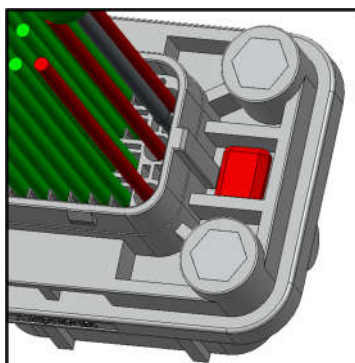
Step 2

Prize up removal tool until cover and wire seal out of connector.



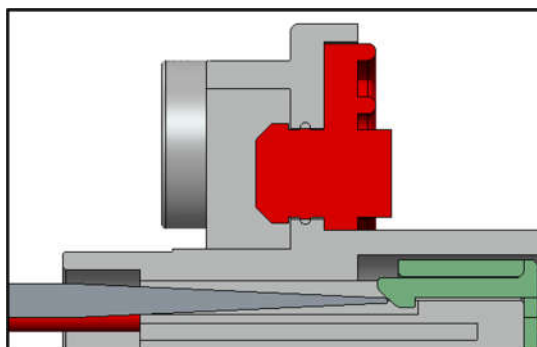
Step 3

Use one end of the workpiece to extend the clamp of the pressure plate.



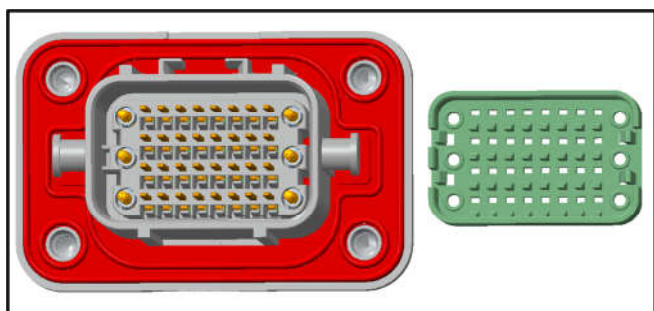
Step 4

Wrap the contact with the tool (ATV38-RTO1-PIN) and push the cover out of the receptacle.



Step 5

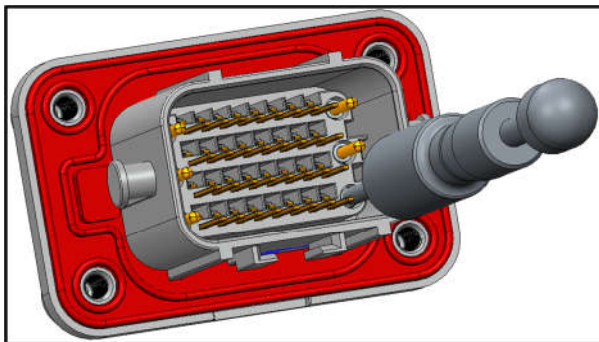
The wedge out the connector.



ATV 38POS Receptacle: Contact Extraction

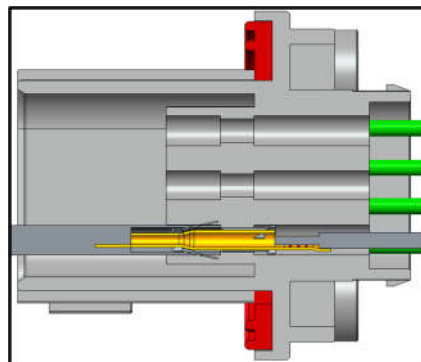
Step 6

Use a removal tool(QXRT16) to press the SPXXM1X contacts spring and remove it.



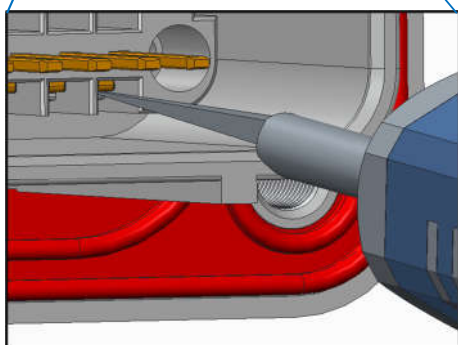
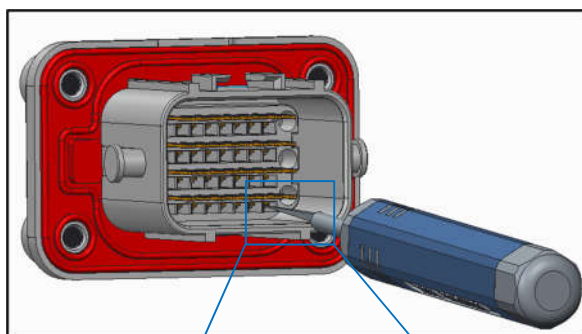
Step 7

Sectional view of tool and terminal matching for pick-up.



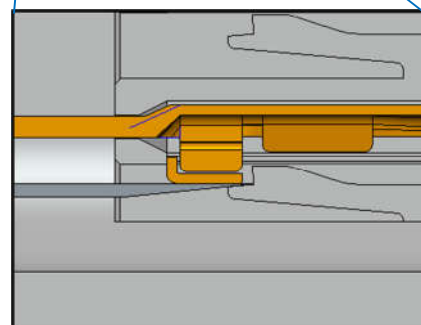
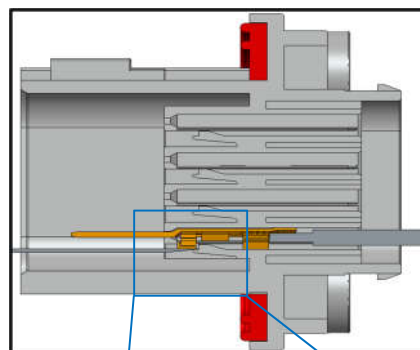
Step 8

Use a removal tool(ATV38-RT02-SOC) to open the plastic buckle and remove the SC000571X contacts.



Step 9

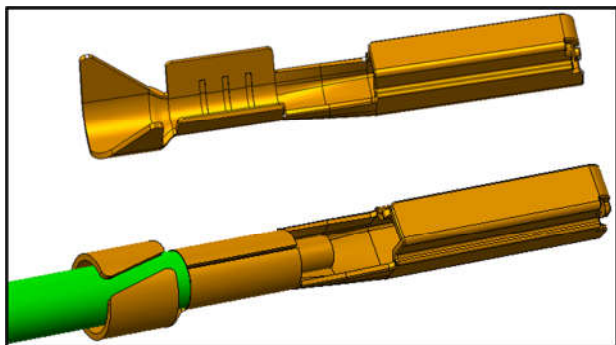
Sectional view of tool and terminal matching for pick-up.



ATV 38POS Plug: Contact Extraction

Step 1

Crimp socket contacts(SC000572X) to wire. See appropriate datasheets for application tool.



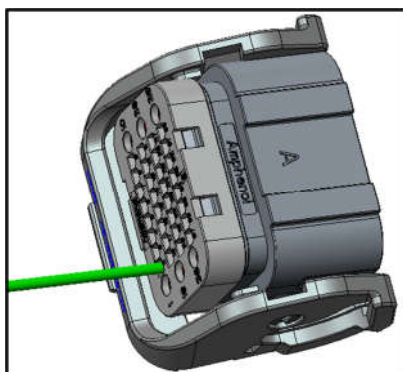
Step 2

Insert crimped contact through rear seal of plug.



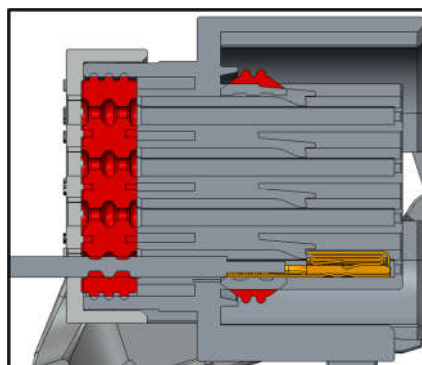
Step 3

Push contact straight into connector until a positive stop is felt. A slight tug will confirm that it is properly locked in position.



Step 4

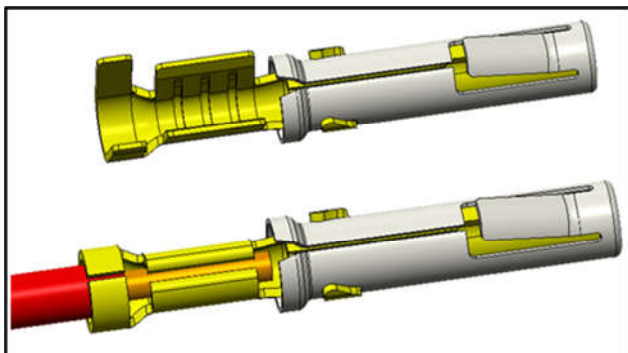
Section View showing final position of contact for reference.



ATS Series Plug: Contact Extraction

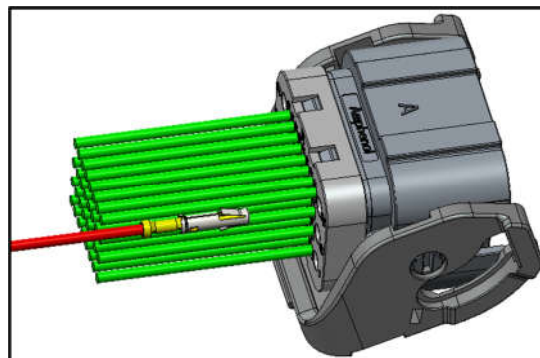
Step 5

Crimp socket contacts(SSXXM1X) to wire. See appropriate datasheets for application tool.



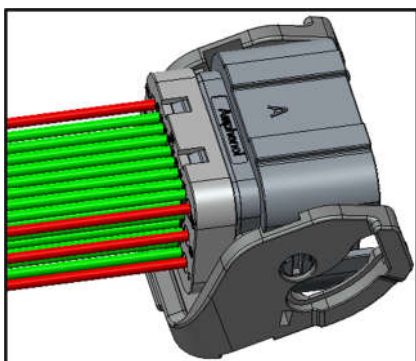
Step 6

Insert crimped contact through rear seal of plug.



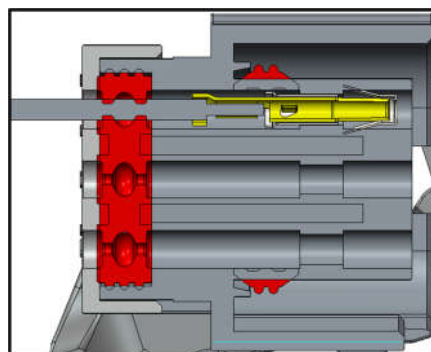
Step 7

Push contact straight into connector until a positive stop is felt. A slight tug will confirm that it is properly locked in position.



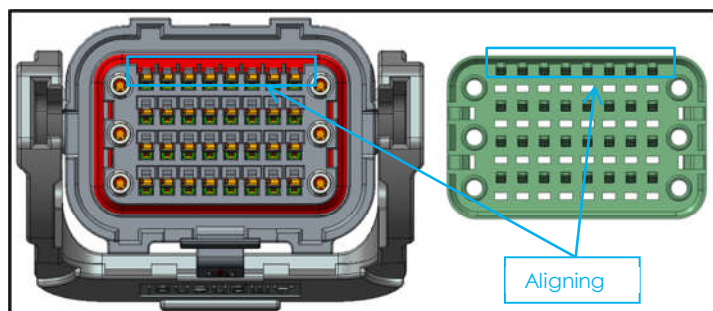
Step 8

Section View showing final position of contact for reference.



Step 9

Push the wedge vertically into plug after the wedge align to the Hole of the plug.



Step 10

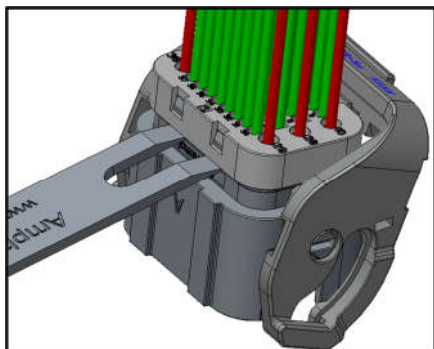
Assemble wedge into the connector.



ATS Series Plug: Contact Extraction

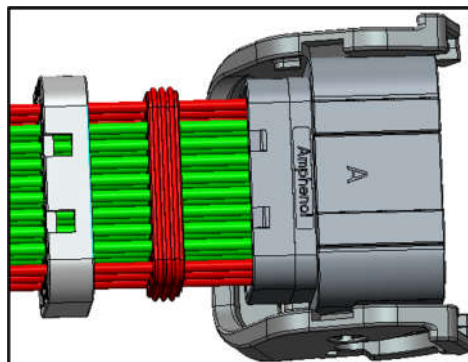
Step 1

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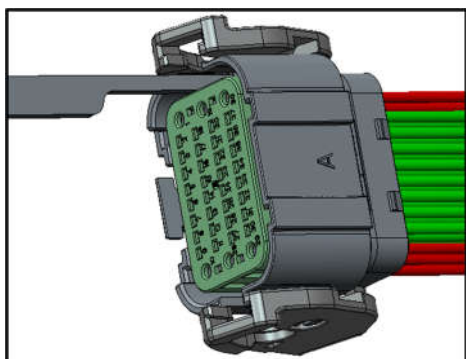
Step 2

Prize up removal tool until cover and wire seal out of connector.



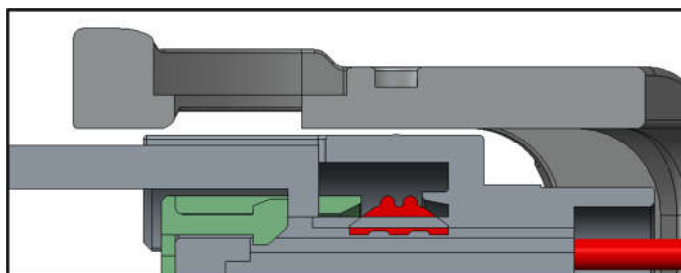
Step 3

Use one end of the AT Extraction Tool(ATRT-100) to extend the clamp of the pressure plate.



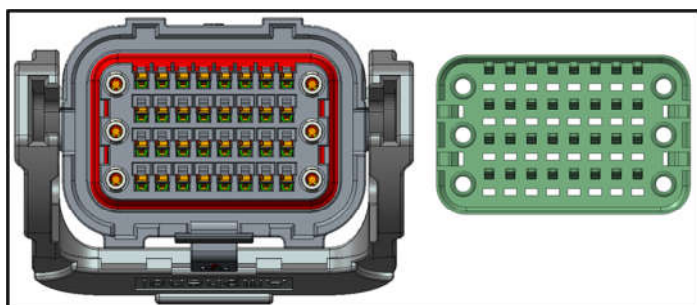
Step 4

Wrap the contact with the tool and push the cover out of the plug.



Step 5

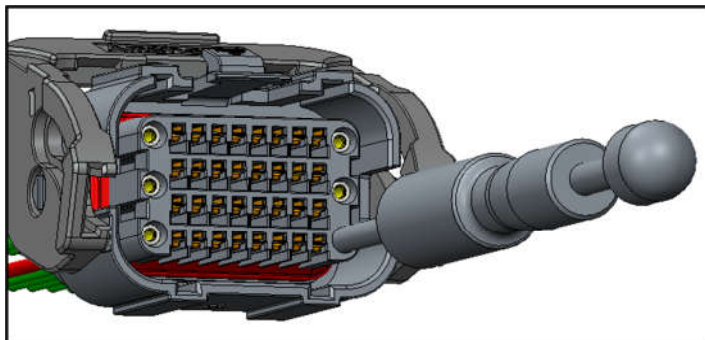
The wedge out the connector.



ATV 38POS Plug: Contact Extraction

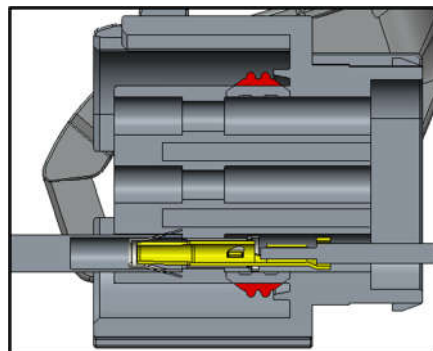
Step 6

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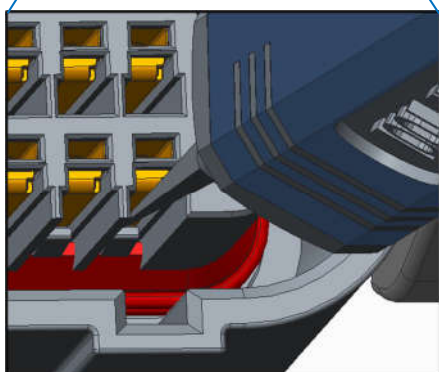
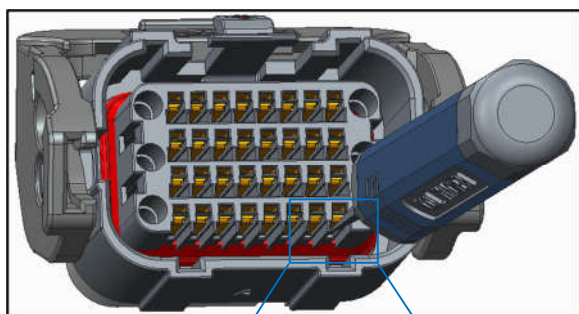
Step 7

Sectional view of tool and terminal matching for pick-up.



Step 8

Use a removal tool(ATV38-RT02-SOC) to open the plastic buckle and remove the SC000572X contacts.



Step 9

Sectional view of tool and terminal matching for pick-up.

