

LeeBoy

 **ST Engineering**

Changing Element Harnesses(1030204SRV) 8520C HD Pro Screed And HD Screed

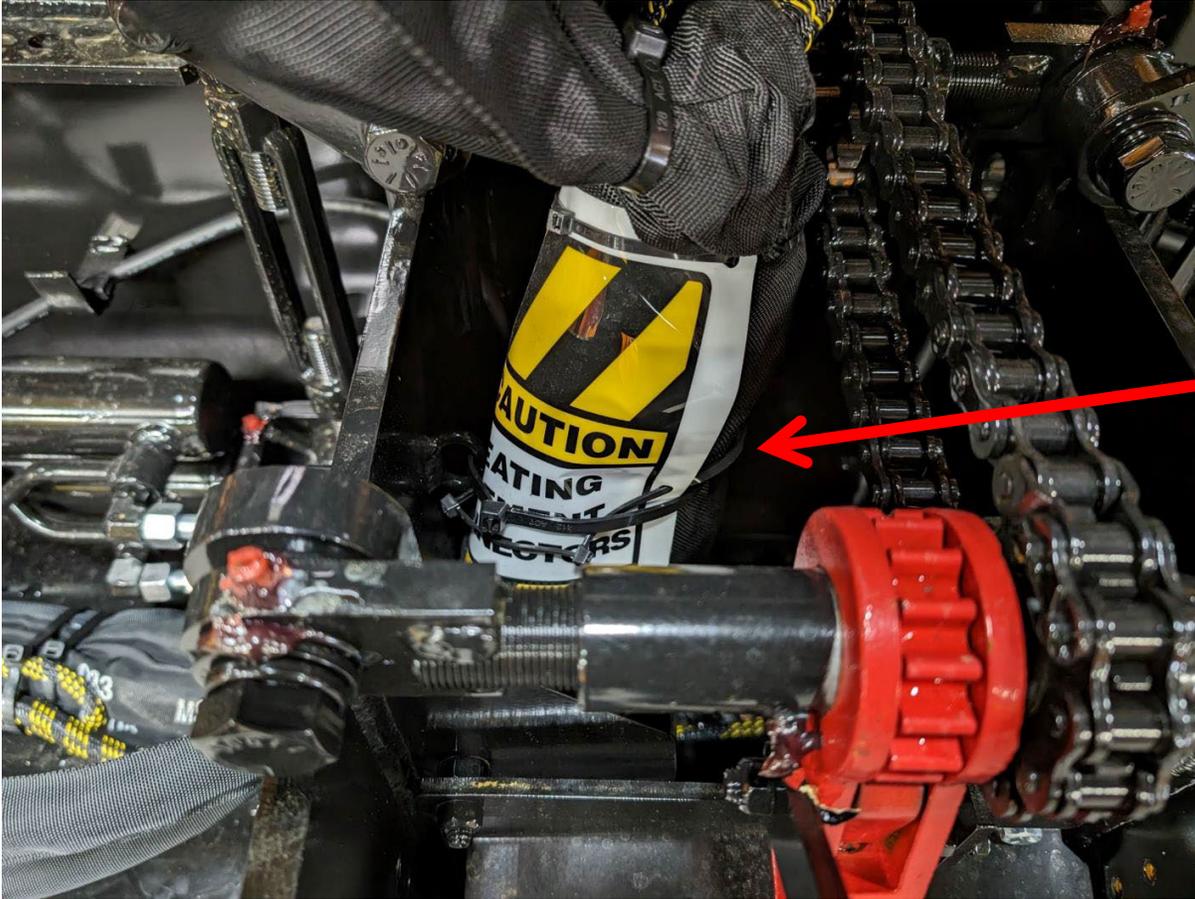


Designed with the Paving Professional in Mind.®

3/18/2025

1030204SRV	KIT, HARNESS SCREED ELEMENTS LARGE CONNECTORS	1
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Please order the needed parts.



All element electrical connections can be found next to the crown and valley adjustments, in the center of the screed.

To access the connections, cut the zip ties and remove the coverings.

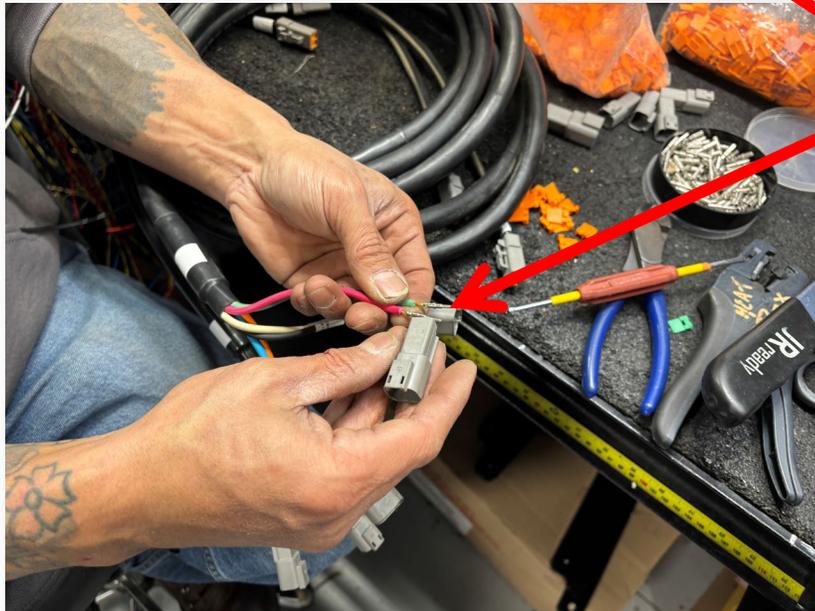


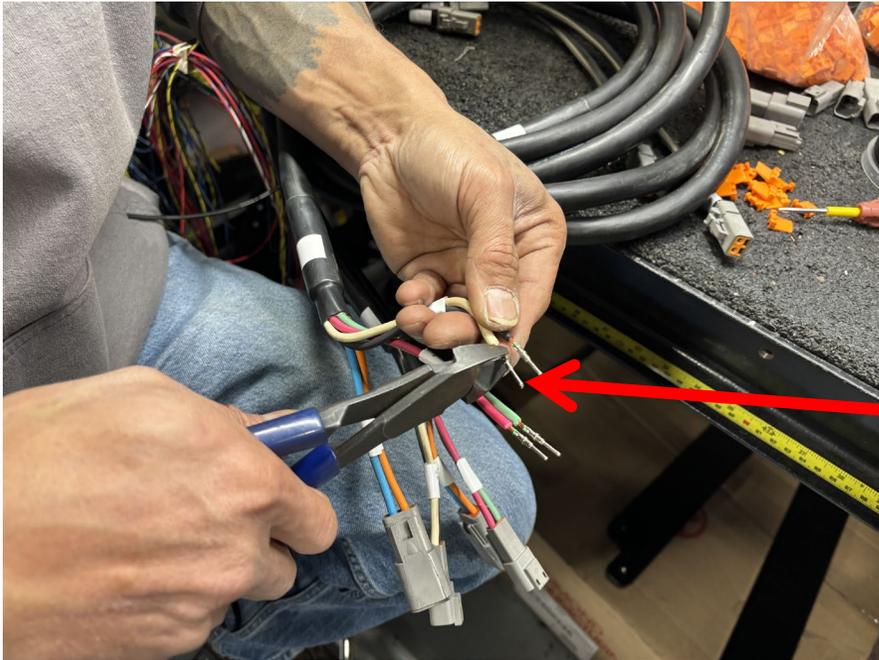
Locate the heat element harnesses.



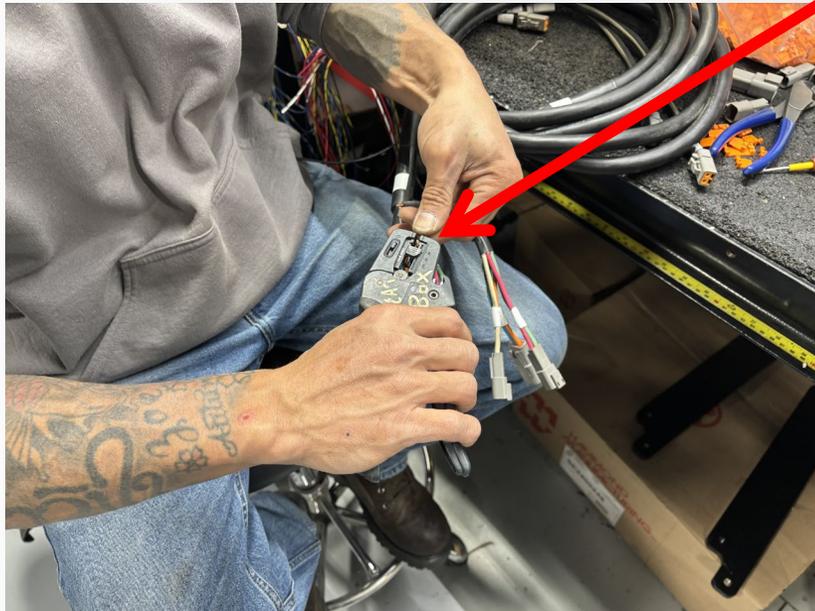
If the connectors on the end of the heat harness, do not match the heat element or heat box, complete the following process to change the element connector or heatbox connector to the large style. **We want large on all connectors.**

Pull the wedge and connector off the end of the breakout.





Cut the 14-16AWG pins and sockets off the six exposed wires.



Remove enough wire casing, to be able to properly reattach the 10-12AWG pin and socket terminals.



Locate the 10-12AWG pin and socket terminals that were supplied in the kit.



Properly crimp the 10-12AWG pin and socket terminals, to the ends of their designated wires. Slide heat shrink over rubber tubing of element.



Repeat the same pin/socket installation process on all necessary wires.

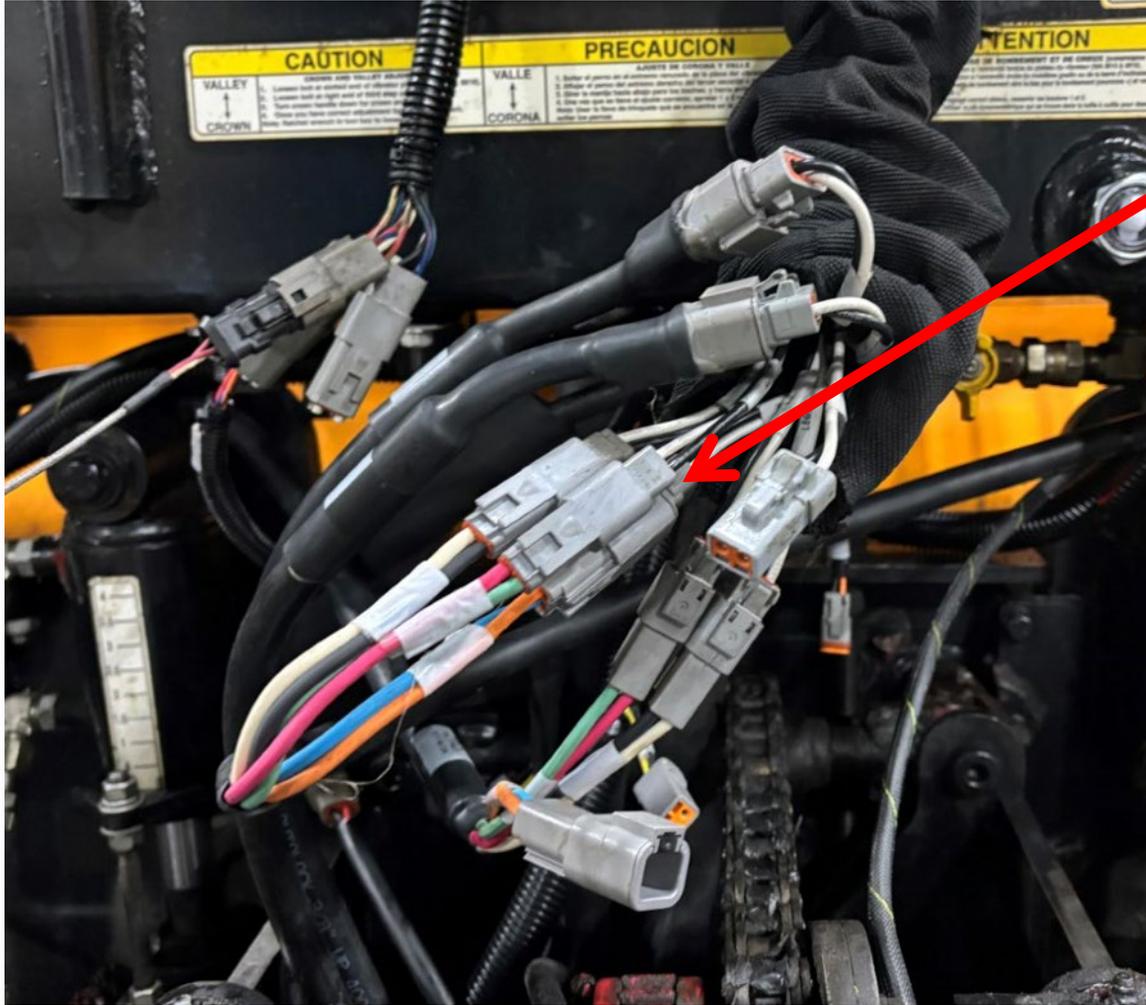
Next, insert the pins/sockets in the following terminals

Connector #1:

Terminal #1) White

Terminal #2) Black

Slide heat shrink so that ends cover the back of the connector and over the rubber hose of the element. Heat “heat shrink” to seal.



Make the needed connections between the electric heat box and the element harness for each side of the screed assembly.

Next, route the harnesses down their corresponding sides, and through the e-chains on top of the extension assembly.

LEG- Left Endgate

LX- Left Extension

LB-Left Berm(Optional)

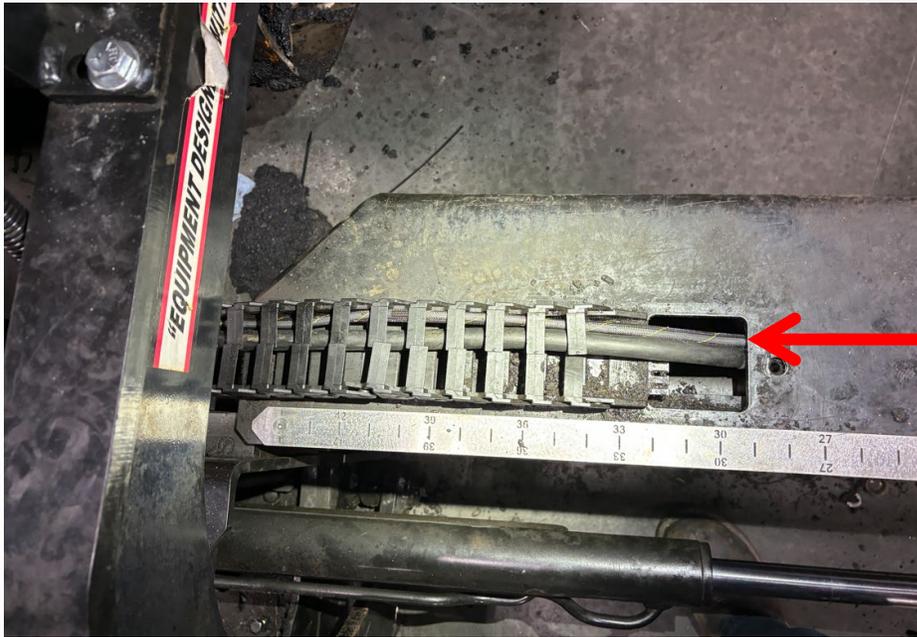
LM- Left Main

RM-Right Main

RX-Right Extension

RB-Right Berm(Optional)

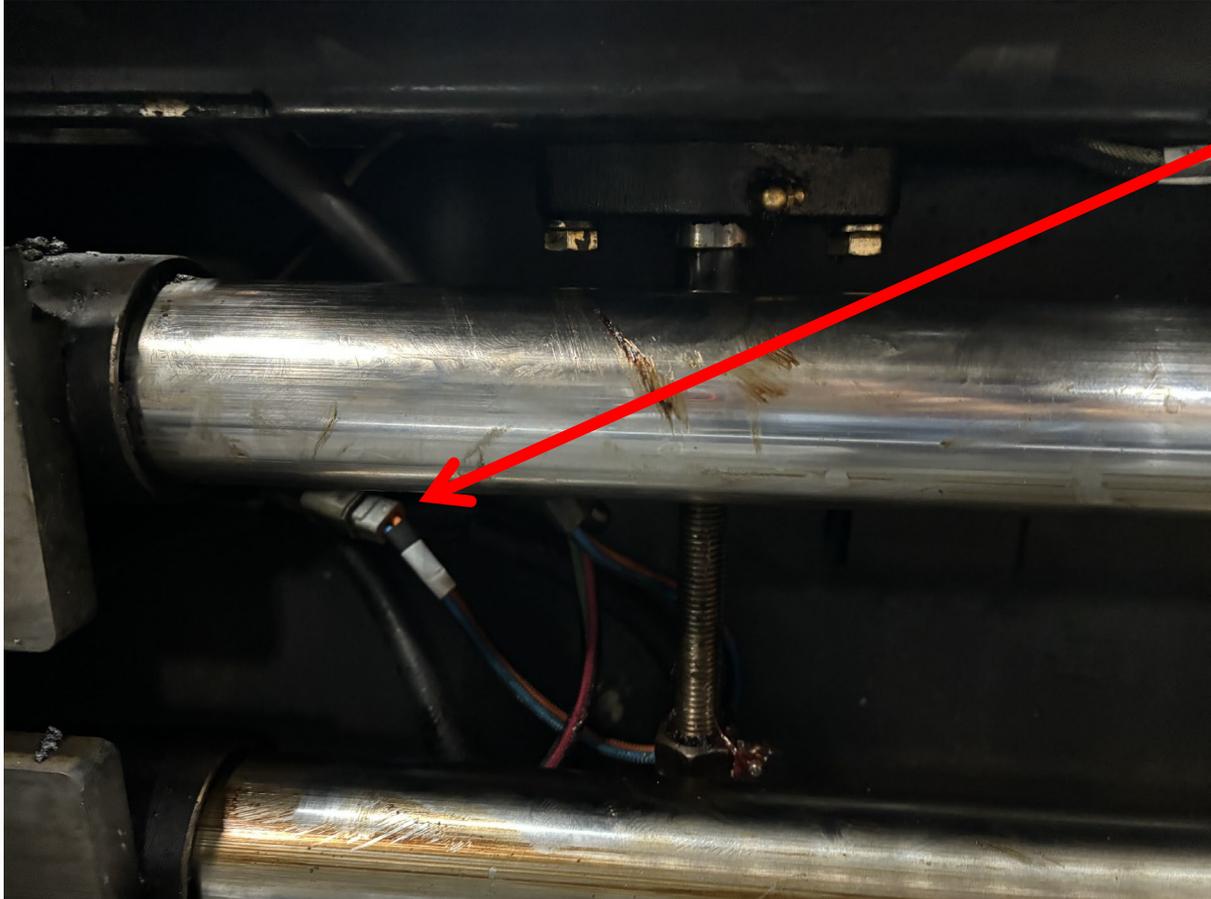
REG- Right Endgate



Insert the three terminals that are coming from the element harness, through the hole in the top of the extension.



Insert the "ENG" breakout, on top of the wire cover, that is welded inside the extension.



Make the needed electrical connections inside the extension assembly.

- If the berm option is not being used, then cap off the electrical terminal.

When finished, be sure to ensure that the electrical breakouts will not interfere with the screed assembly slide.