

SERGE BARIL HEAT TRACING SYSTEMS

INSTALLATION

GRK-S-1 SPLICE KIT

INSTRUCTIONS

FOR ROOF AND GUTTER DE-ICING CABLES

DESCRIPTION

The GRK-S-1 Splice Kit is for use with all versions of Serge Baril Heat Tracing Systems' FPS & CCA heater cables. Minimum installation temperature -30°C (-22°F).

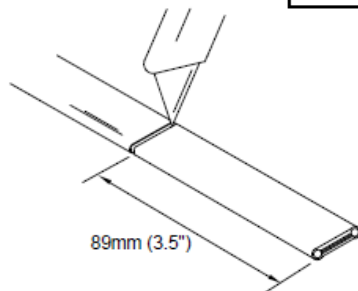
KIT CONTENTS

- 1 Uninsulated Splice Connector
- 2 Insulated Splice Connectors
- 1 Shrink Tube, 13mm (0.5") diameter, 152mm (6") length
- 1 Shrink Tube, 25mm (1.1") diameter, 229mm (9") length

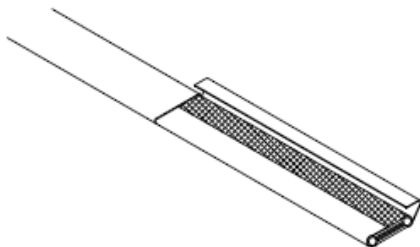
OVERJACKET STRIPPING PROCEDURES

For Braided Products proceed to step below.

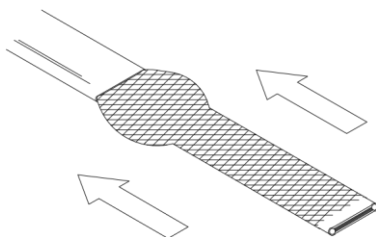
⚠ WARNING:
DO NOT CUT BRAID



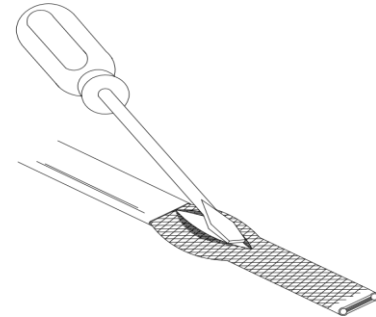
- 1 Lightly cut around the cable overjacket 89mm (3.5") from the end. Bend cable to break the overjacket.



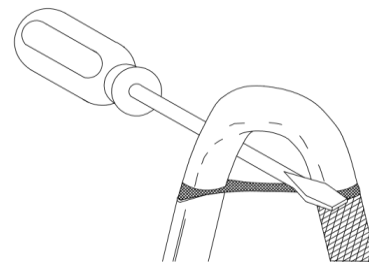
- 2 Lightly cut the overjacket up the center between first cut mark and the cable end. Bend the cable to break.
3 Remove the overjacket from the heater cable.



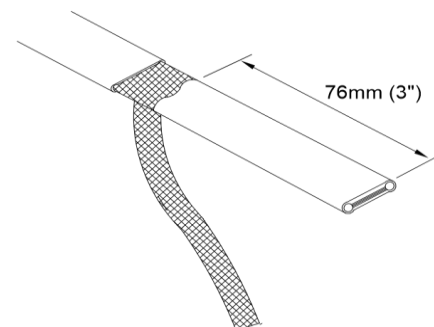
- 4 Move braid back toward the overjacket, creating a bulge.



- 5 At the bulge, separate the braid to make an opening.



- 6 While bending the heater cable, work it through the braid opening.



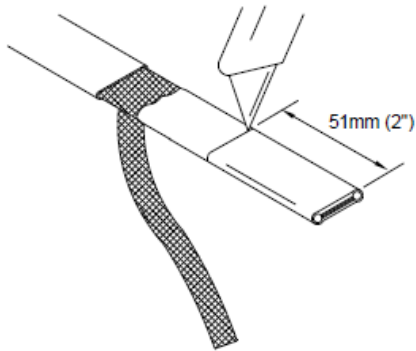
- 7 Pull braid tight.
8 Repeat steps 1 - 7 for both heater cables.
9 Proceed to "Inner Jacket Stripping Procedures", sheet 2.



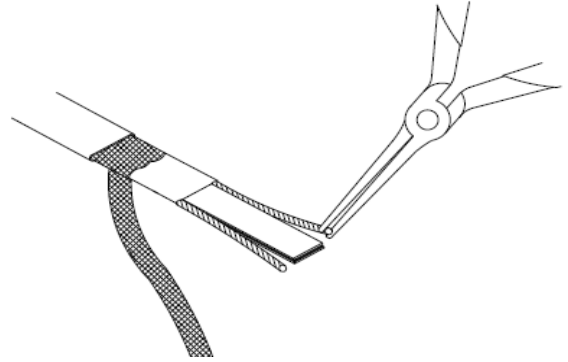
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Sheet 1 of 3

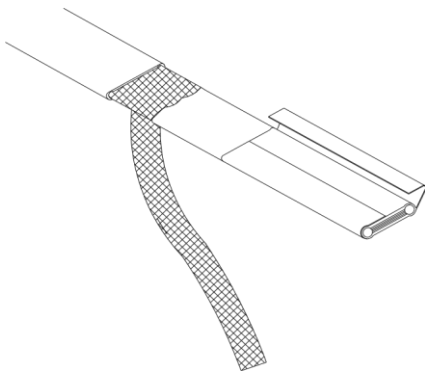
INNER JACKET STRIPPING PROCEDURES



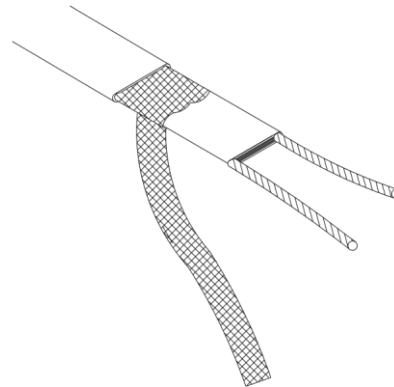
- 1 Lightly cut around the heater outer jacket 51mm (2") from the end. Bend the cable to break outer jacket.



- 2 Lightly cut the outer jacket up the center between the first cut mark & the cable end. Bend the cable to break the outer jacket.
- 3 Remove the jacket from the heater cable.
- 5 Starting at the end, pull each bus wire away from the core material.
- 6 Remove exposed core material.

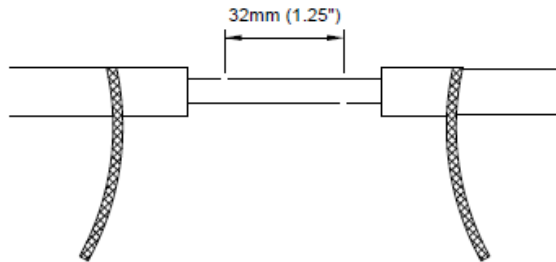


- 4 Shave the core material from the outside of each bus wire.
- 7 Repeat steps 1 - 6 for both heater cables.
- 8 Proceed to "Shrink Tube Procedures", sheet 3

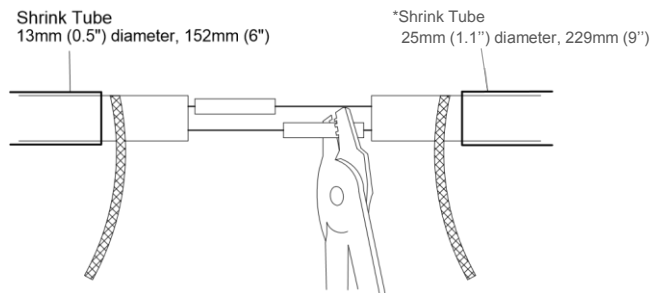


DO NOT CUT BUS WIRES

SHRINK TUBE PROCEDURES



- 1 Position both heater cables with the ground braid on the same side. Remove 32mm (1.25") of bus wire from each heater cable to offset for insulated splice connectors.

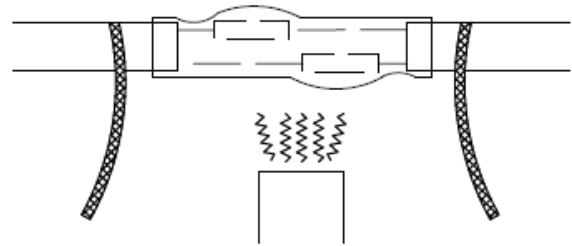


- 2 Slide one 13mm (0.5") diameter, 152mm (6") length shrink tube over one of the heater cables. Crimp an insulated splice connector to each bus wire connecting the two heater cables together.

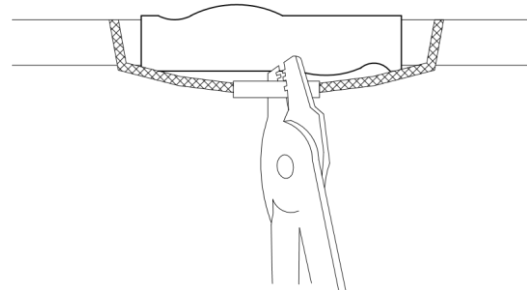
***For Overjacket "BT" Products only:**

Slide one 25mm (1.1") diameter, 229mm (9") length shrink tube over the other heater cable.

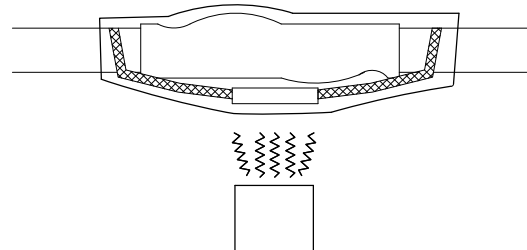
See diagram – step 5.



- 3 Center the 13mm (0.5") diameter, 152mm (6") length shrink tube over the connectors leaving the braid straps exposed. Shrink with heat gun until completely shrunk. A uniform bead of glue should appear around the ends of the shrink tube.



- 4 If necessary, cut excess length from braid straps. Crimp the braid straps together into an uninsulated splice connector. Secure the connector at the indented area with one and a half wraps of fiberglass tape (not included in kit).



***For Overjacket "BT" Products only:**

- 5 Center the 25mm (1.1") diameter, 229mm (9") length shrink tube over the splice and braid connection. Shrink with heat gun until completely shrunk. A uniform bead of glue should appear around the ends of the shrink tube.

Serge Baril Heat Tracing Systems products are supplied with a limited warranty. Complete Terms and Conditions may be found on Serge Baril's website at www.baril.ca

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