

SERGE BARIL PST- PLK SERIES END OF CIRCUIT LIGHT KIT FOR TYPE FPS, SCS & CCA HEATER CABLES

INSTALLATION INSTRUCTIONS

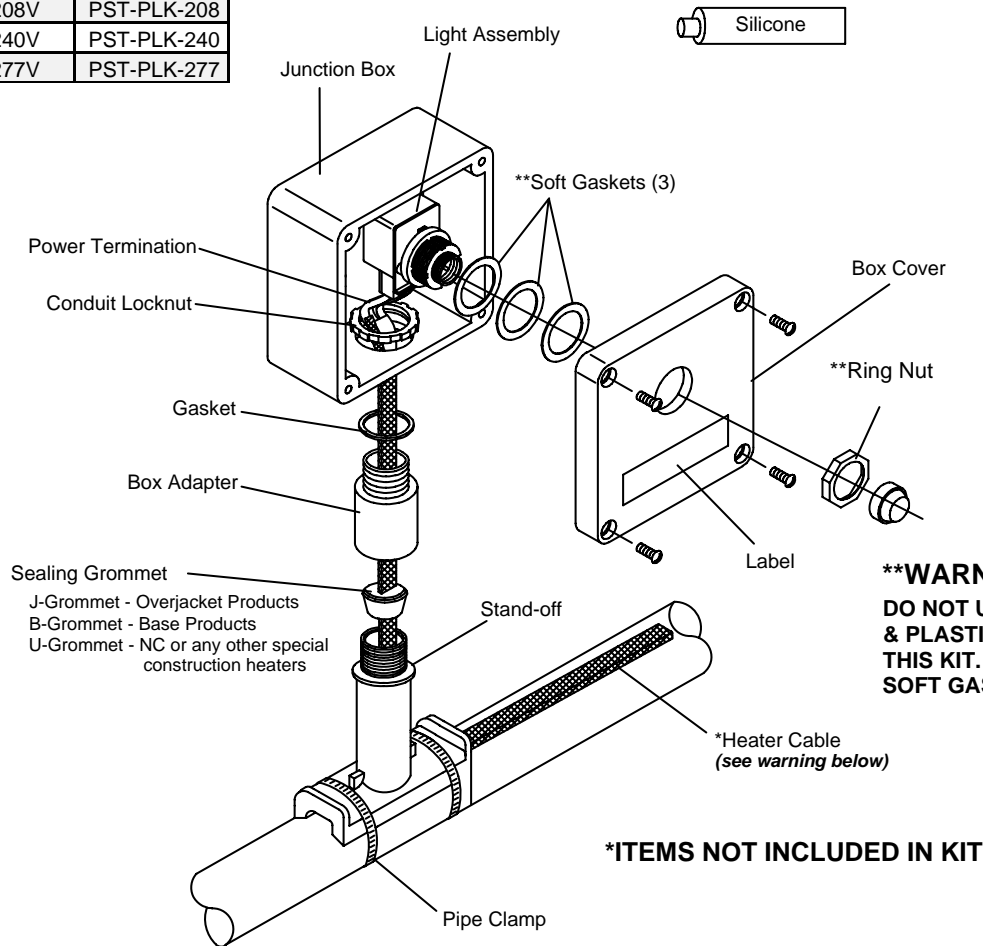
DESCRIPTION

The Serge Baril PST-PLK Series End of Circuit Light Kit is for use with type FPS, SCS, and CCA heater cables.

KIT CONTENTS

1 Junction Box	1 Power Termination
1 Conduit Locknut	1 Box Adapter
1 Sealing Grommet	1 Gasket
1 Stand-off	1 Tube of Silicone
1 Caution Label	2 Pipe Clamps
1 Light Assembly	3 Gaskets (soft)

Voltage	Kit Cat. #
120V	PST-PLK-120
208V	PST-PLK-208
240V	PST-PLK-240
277V	PST-PLK-277



Note: This detail shows Braided Products only. For Overjacket Products see diagram on sheet 8.

⚠ WARNING:

Article 427-22 of the National Electrical Code requires that all heaters shall have metal coverings and be provided with branch circuit ground-fault protection.



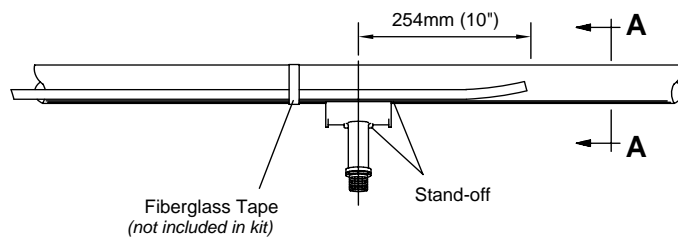
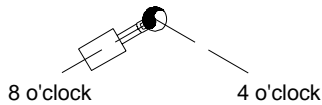
SERGE BARIL PST- PLK SERIES END OF CIRCUIT LIGHT KIT FOR TYPE FPS, SCS & CCA HEATER CABLES

INSTALLATION INSTRUCTIONS

STAND-OFF POSITIONING

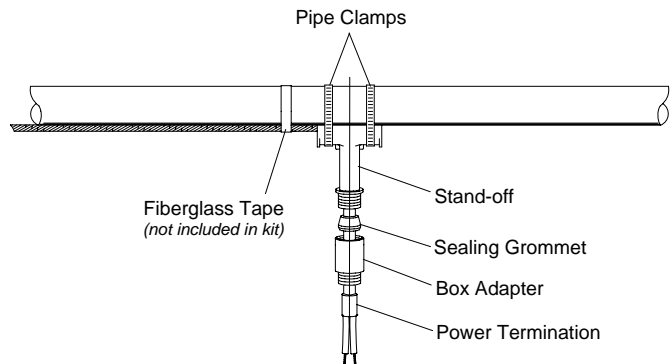
Section View A A

(recommend installing at the
4 or 8 o'clock positions.)



⚠ WARNING:

Do not place pipe clamps
over the heater cable.



- 1 Mark pipe where stand-off will be mounted.
- 2 Push heater cable through bottom opening of stand-off.
- 3 Slide the sealing grommet over the heater cable and position inside stand-off opening:

for Braided Products:

See "Grommet Installation for Braided "B" Products", sheet 3.

for Overjacket "BA" or "BT" Products

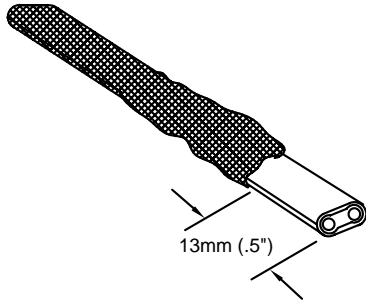
Proceed with step 4 below.

- 4 Apply silicone around the heater cable on top of the sealing grommet and fill any voids in sealing grommet.
- 5 Slide the box adapter over the heater cable and tighten securely to stand-off.
- 6 Prepare heater cable for power termination:
for Braided "B" Products, see sheet 3.
for Overjacket "BA" or "BT" Products, see sheet 4.
- 7 Terminate heater cable, see sheet 7.

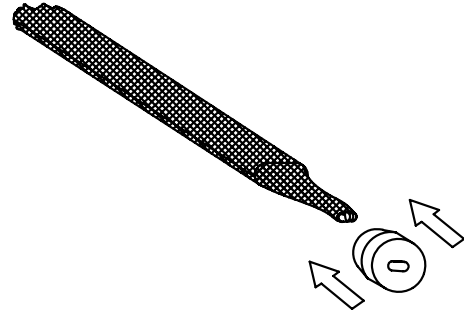
SERGE BARIL PST- PLK SERIES END OF CIRCUIT LIGHT KIT FOR TYPE FPS, SCS & CCA HEATER CABLES

INSTALLATION INSTRUCTIONS

SEALING GROMMET INSTALLATION FOR BRAIDED PRODUCTS

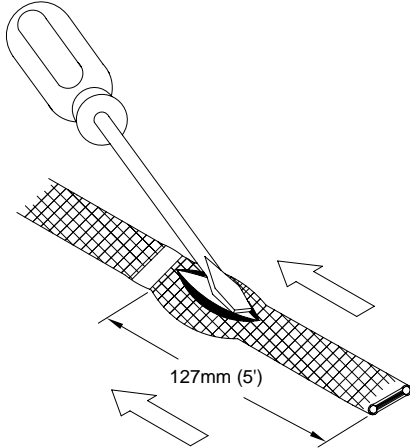


- 1 Slide braid back, allowing at least 13mm (.5") of heater cable exposed.
- 2 Cut and remove 13mm (.5") of heater cable.

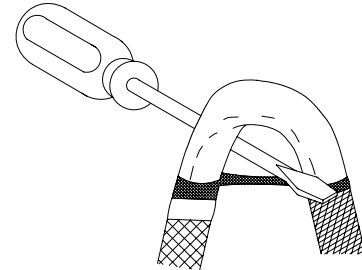


- 3 Slide braid back over heater cable and twist excess braid into a pigtail.
- 4 Slide the sealing grommet over the heater cable and position inside stand-off opening.
- 5 Continue with step 4 on sheet 2.

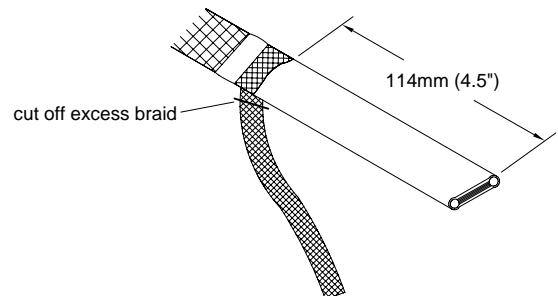
BRAIDED PRODUCTS



- 1 Secure cable braid with fiberglass tape.
- 2 Slide braid back 127mm (5") to create a bulge.
- 3 At the bulge, separate the braid to make an opening.



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



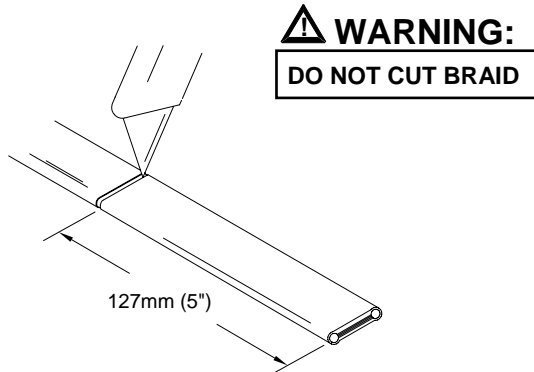
- 5 Pull the braid tight.
- 6 Cut off excess braid.
- 7 Proceed to "FPS, SCS & CCA Products", sheet 5



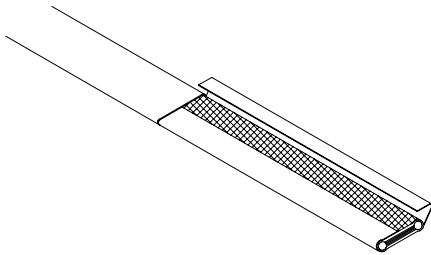
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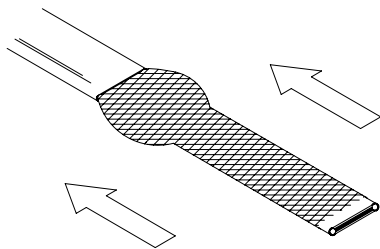
OVERJACKETED PRODUCTS



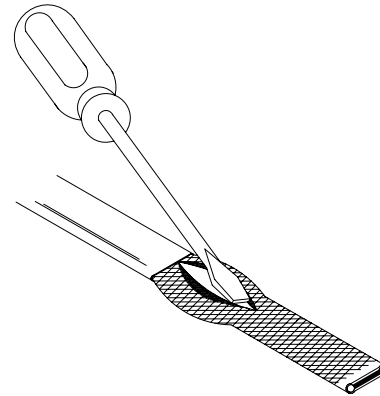
- 1 Lightly cut around cable overjacket 127mm (5") from the end. Bend cable to break the overjacket.
- 2 Lightly cut overjacket up the center between first cut mark and the cable end. Bend cable to break the overjacket.



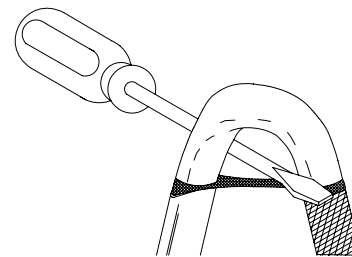
- 3 Remove overjacket from heater cable.



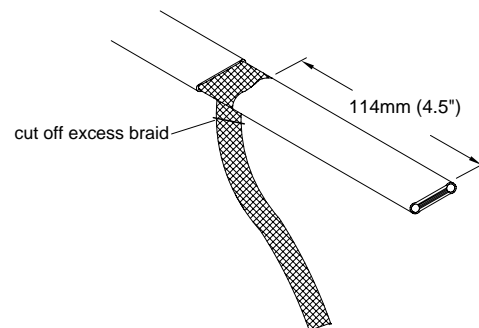
- 4 Move braid back toward the overjacket, creating a bulge.



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



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

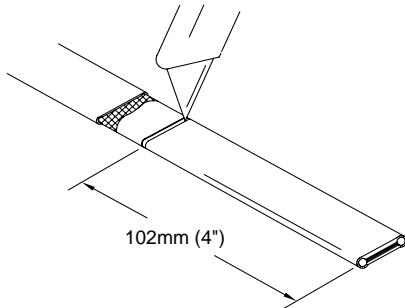


- 7 Pull the braid tight.
- 8 Cut off excess braid.
- 9 Proceed to "FPS, SCS & CCA Products", sheet 5.

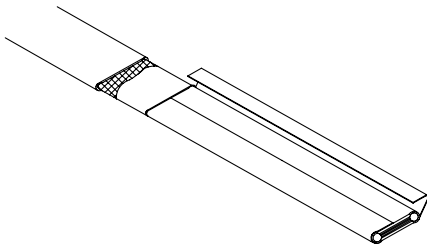
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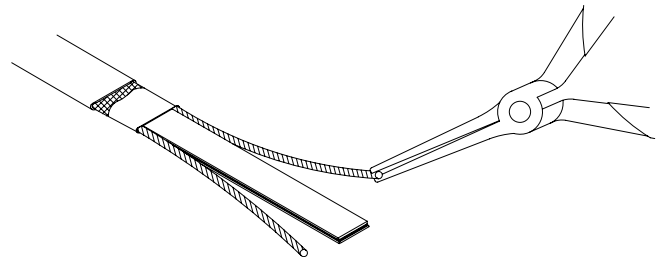
FOR ALL SERGE BARIL FPS, SCS & CCA PRODUCTS
(See sheet 6 for an alternate stripping method for SCS products.)



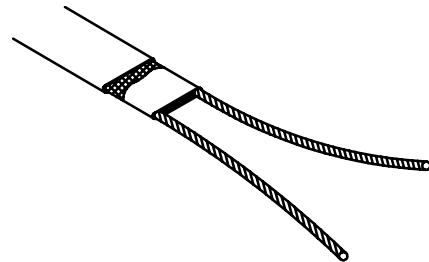
- 1 Lightly cut around cable outer jacket 102mm (4") from the end. Bend cable to break outer jacket.
- 2 Lightly cut the outer jacket up the center between the first cut mark & the cable end. Bend cable to break outer jacket.



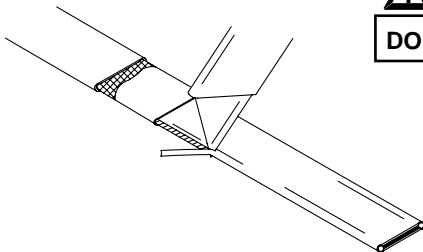
- 3 Remove the jacket from the heater cable.



- 5 Starting at the end, pull each bus wire away from the core material.
- 6 Remove exposed core material.



- 7 Cut 6mm (0.25") off the end of each bus wire.
- 8 Proceed to "Power Termination", sheet 7.



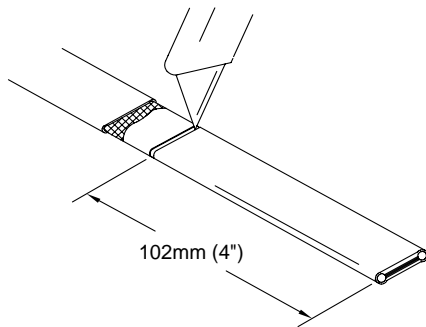
⚠ WARNING:
DO NOT CUT BUS WIRES

- 4 Shave the core material from the outside of each bus wire.

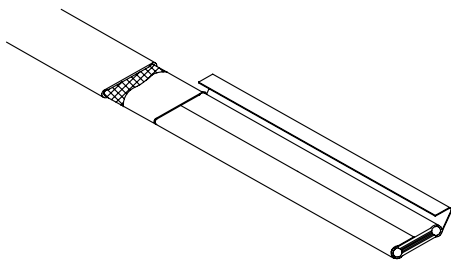
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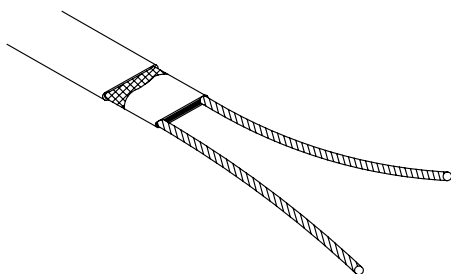
SCS PRODUCTS ALTERNATE STRIPPING METHOD



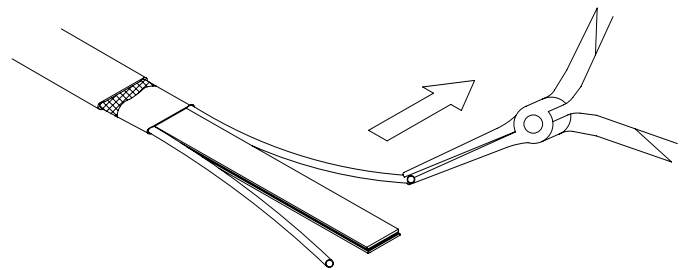
- 1 Lightly cut around cable outer jacket 102mm (4") from the end. Bend cable to break outer jacket.
- 2 Lightly cut the outer jacket up the center between the first cut mark & the cable end. Bend cable to break outer jacket.



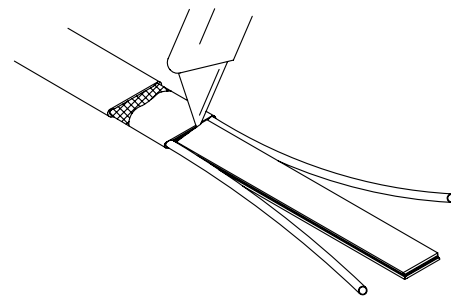
- 3 Remove the jacket from the heater cable.



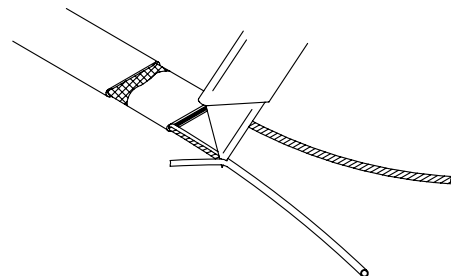
- 4 Make a cut inside each bus wire.



- 5 Starting at the end, in the same plane as the cable, pull each bus wire away from the core material.



- 6 Remove the exposed core material.



- 7 Remove the remaining core material off the outside of each bus wire.
- 8 Cut 6mm (0.25") off the end of each bus wire.
- 9 Proceed to "Power Termination", sheet 7.

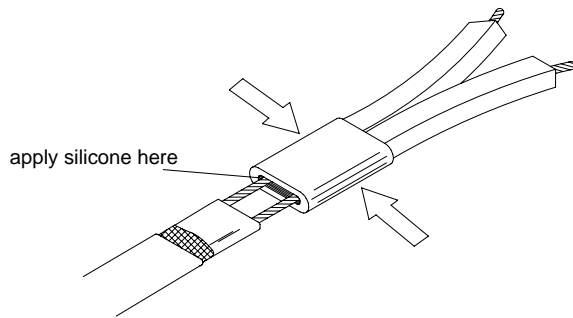
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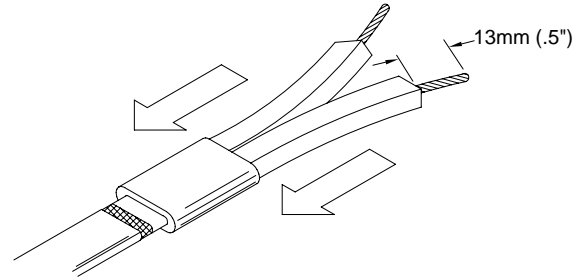
POWER TERMINATION

⚠ WARNING:

Bus wires must not touch or cross while inserting into power termination.



- 1 Insert bus wires into power termination.
- 2 Squeeze power termination opening and fill with silicone.

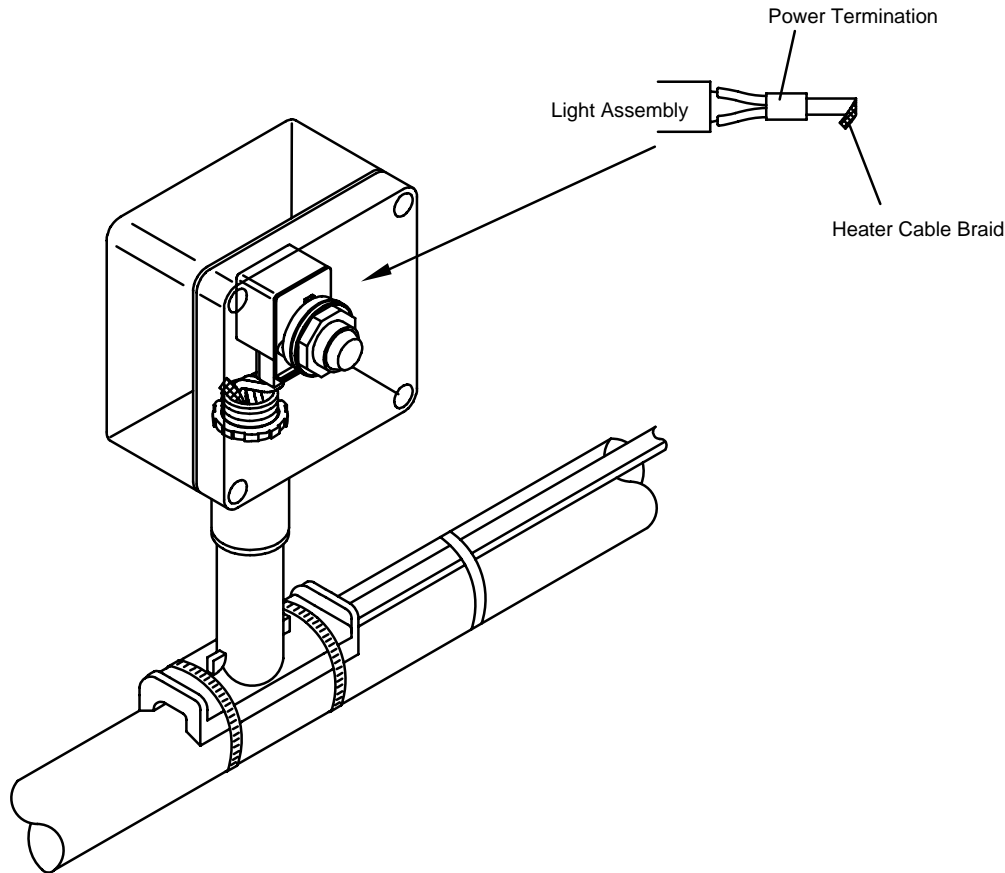


- 3 Push power termination to overlap jacket.
- 4 The silicone will set up in about 30 minutes with a complete cure after 24 hours.
- 5 Proceed to “*Electrical Connection*”, sheet 8.

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INSTALLATION INSTRUCTIONS

ELECTRICAL CONNECTION



Note: This detail shows Overjacket "BA" or "BT" Products only. For Braided Products see diagram on sheet 1.

- ❶ Place gasket onto the box adapter.
- ❷ Position junction box onto the box adapter and secure it with the conduit locknut.
- ❸ Place the two black compensating gaskets onto the light assembly base.
- ❹ Insert power wires into screw connection of light assembly.
- ❺ Place the box cover onto the light assembly then install the clear trim washer and secure it with the ring nut.
- ❻ Secure the box cover onto junction box.

SERGE BARIL & ASS. INC.
5310 des Laurentides Blvd., Auteuil, Laval, Canada H7K 2J8
Tel. : (450) 622-7587 Fax : (450) 622-7869



GA-2165 Rev. 1
Sheet 8 of 8
February, 2005