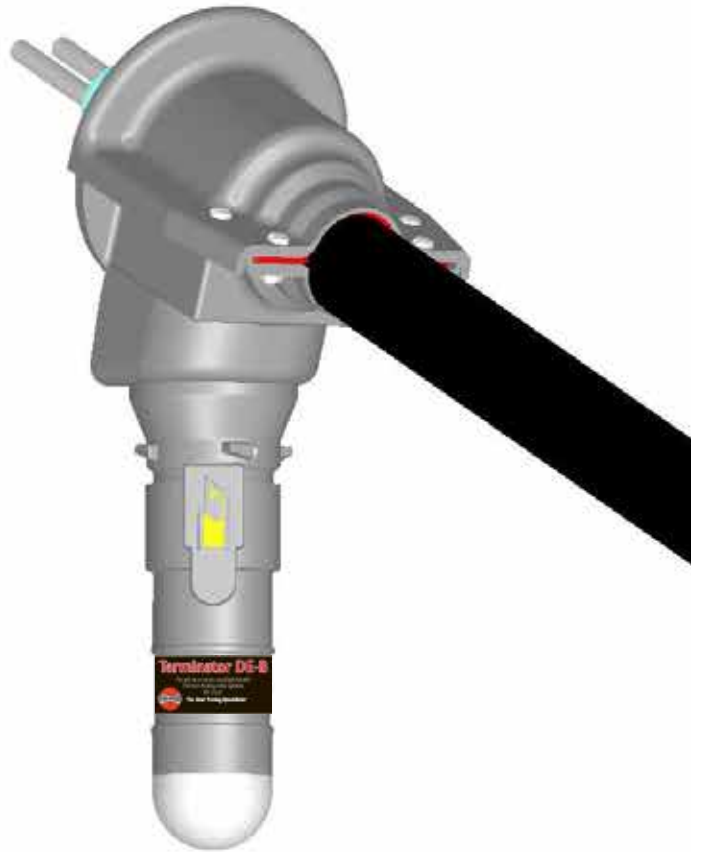


Terminator DE-B/FAK-1 Kit

LED End of Circuit Light Kit for
Electrically Heated TubeTrace® Bundles

INSTALLATION PROCEDURES



The Heat Tracing Specialists®

Terminator DE-B/FAK-1

The following installation procedures are suggested guidelines for the installation of the Terminator DE-B/FAK-1 Bulkhead Entry Kit.

Receiving, Storing and Handling . . .

1. Inspect materials for damage incurred during shipping.
2. Report damages to the carrier for settlement.
3. Identify parts against the packing list to ensure the proper type and quantity has been received.
4. Store in a dry location.

Terminator DE-B/FAK-1 Kit Contents . . .



Item	Quantity	Description
1	1	Expediter Assembly: Flat Mount Base, Grommet, Grommet Compressor.
2	1	Light Module Cover
3	1	LED Light Module
4	1	FAK-1 Top
5	1	FAK-1 Base
6	4	Pan Head S.S. Screws, #10-32 x .75
7	4	KEPT S.S. Nuts, #10-32
8	1	Heat Reflective Tape, 1.75" Wide
9	4	Glass Fiber Tape, 2" Wide
10	4	RTV Sealant Tube
11	1	U-Bolt .25 X 3.5

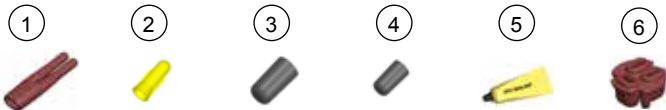
Required: Order Separately for each heater to be terminated. Refer to SCKT Instruction, Form PN50133 for additional information.

SCKT Connection Termination Kits (per cable)

SCKT-1D for BSX, RSX, VSX

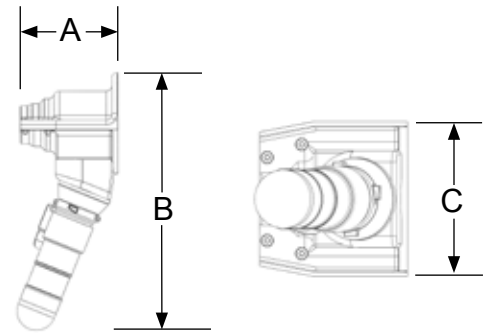
SCKT-2D for KSX, HTSX

SCKT-3D for FP, HPT



Item	Quantity	Description
1	2	Connection Boots
2	2	Large Wire Nut
3	2	Medium Wire Nuts
4	2	Small Wire Nuts
5	1	RTV Tube
6	1	GRW-G Grommet (SCKT-3D only)

Dimensions . . .



	A inch (mm)	B inch (mm)	C inch (mm)
Terminator DE-B /FAK-1	5-1/4" (133 mm)	13-3/8" (340 mm)	5-1/4" (133 mm)

Installation Precautions . . .

- To minimize the potential for arcing on electrical heat tracing and fire caused by product damage or improper installation, use ground-fault protection. The National Electrical Code (NEC) and Canadian Electrical Code (CEC) require ground-fault protection of equipment for each branch circuit supplying electrical heat tracing.
- Installation must comply with Thermon requirements and be installed in accordance with the NEC, CEC, or any other applicable national and local codes.
- Component approvals and performance ratings are based on the use of Thermon specified parts only. User supplied power connection fittings must be listed or certified for intended use.
- De-energize all power sources before opening enclosure.
- Keep ends of bundles, heat tracing and kit components dry before and during installation.
- Individuals installing these products are responsible for complying with all applicable safety and health guidelines. Proper personal protective equipment, or PPE, should be utilized during installation. Contact Thermon if you have any additional questions.

Certifications/Approvals . . .



IP66/Type 4X -60°C ≤ Ta ≤ +45°C

Ordinary & Hazardous Locations



Class I, Division 2, Groups A, B, C, & D, Zone 2



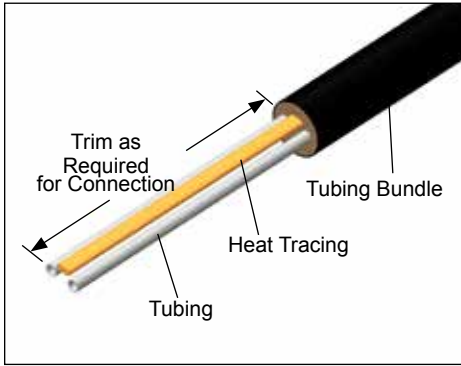
IIC T6

Class II, Division 2, Groups F & G, Class III

Tools Required . . .



INSTALLATION PROCEDURES

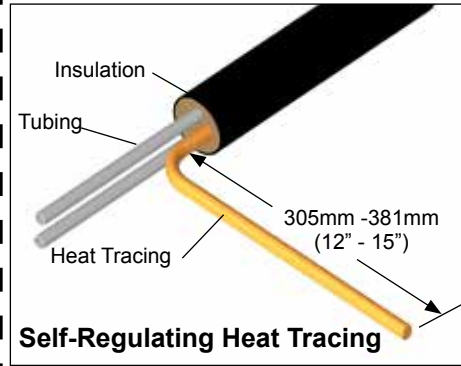


1. Remove outer jacket and insulation from tubing bundle as included from end of the tubing bundle. Ensure sufficient heat trace is available for electrical connection. See instructions included with heat trace SCTK kit.

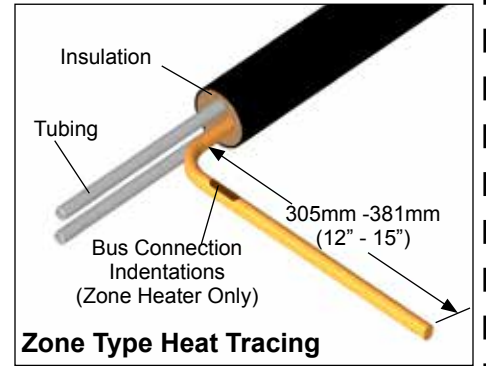


Do not cut or damage the heat trace or sampling tube.

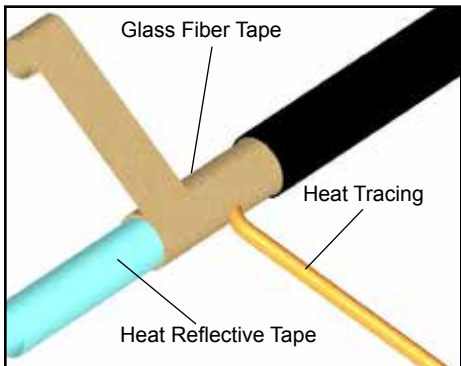
CAUTION(Found on TubeTrace SE/ME bundles)



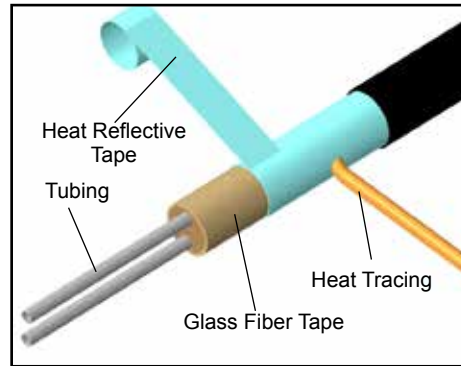
2. Trim heat tracing to within 12" - 15" (305mm - 381mm) of the end of the insulation. If self regulating heat trace proceed to step 3. For Zone-type heat trace continue with identification of bus connection on step 2a.



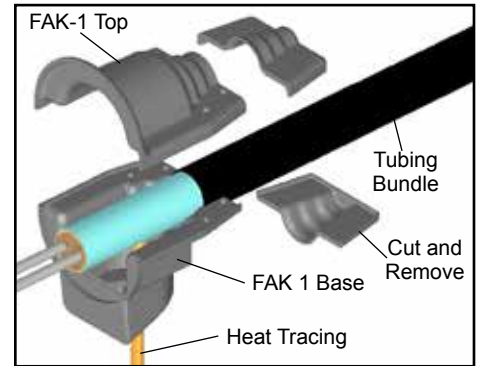
- 2a. Strip back bundle insulation 1.5" - 3" (38mm to 76mm) beyond bus connection heat tracing. If bus connection indentation is less than 12" - 15" (305mm - 381mm) from end of the heat tracing, proceed stripping the bundle insulation to the next indentation.



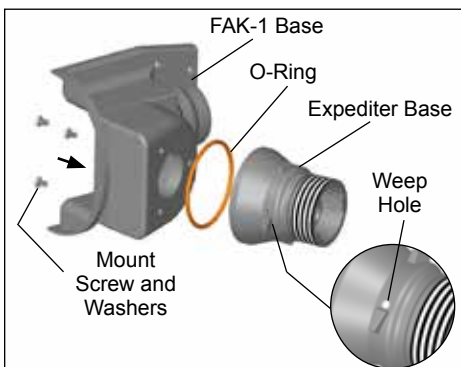
3. Wrap tubes and heat tracing with pass of heat reflective tape (25% overlap). Then wrap with 3 passes of glass fiber tape (50% overlap), or until fiber tape is equal to original bundle insulation thickness.



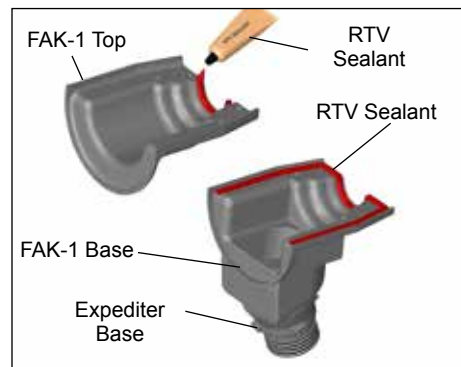
4. Complete with additional passes of heat reflective tape.



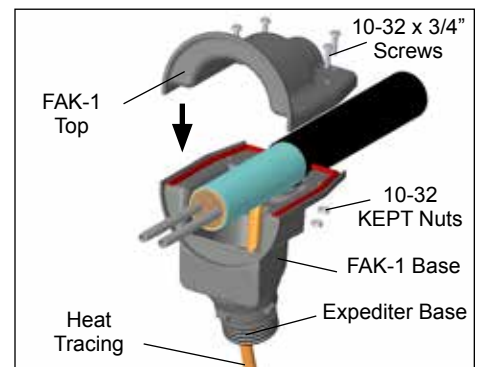
5. Cut FAK-1 top and FAK-1 base ends to match outside diameter of tubing bundle and remove end pieces.



6. Mount expediter base with o-ring to FAK-1 base using (3) M5 mounting screws and lock washers. Punch out weep hole.

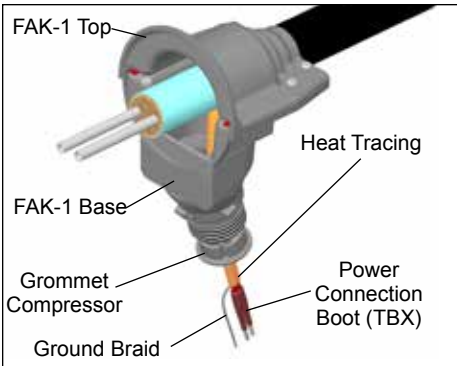


7. Form a gasket by applying RTV sealant to FAK-1 base and along radius of FAK-1 top as shown.

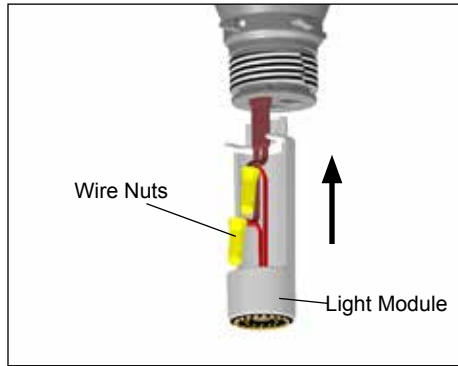


8. Fit tubing bundle to FAK-1 as shown using 10-32 X 3/4" pan head screws and KEPT nuts.

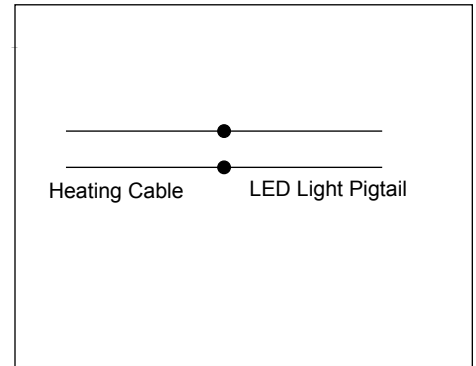
Terminator DE-B/FAK-1



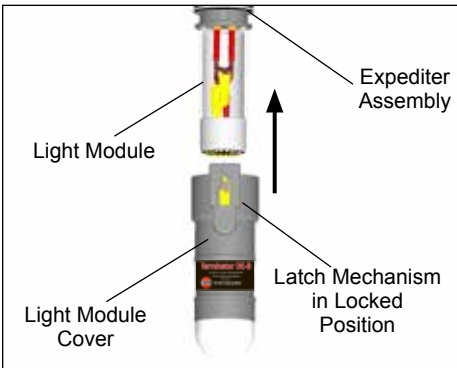
9. Terminate cable with appropriate SCKT termination kit. Refer to SCKT installation instructions.



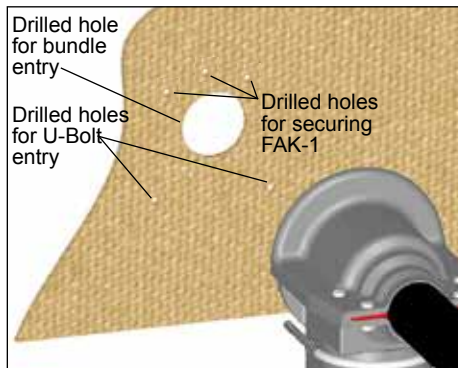
10. Connect bus wires using small wire nuts (for BSX, HTSX and KSX) or medium wire nuts (for RSX, VSX, HPT and FP). See wiring schematic.



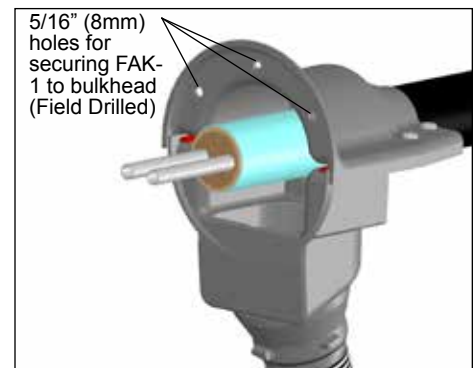
Wiring Schematic for LED Light



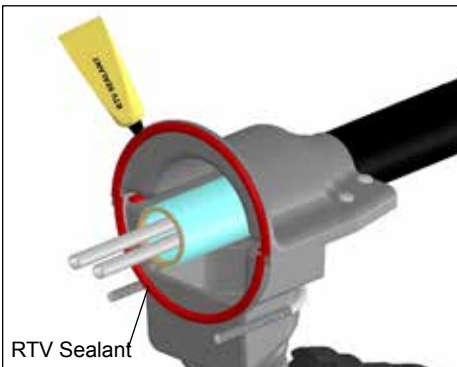
11. Slide the light module cover over light module. Engage threads. Rotate light module cover clockwise and tighten cap securely. Make sure latch mechanism is in the locked position.



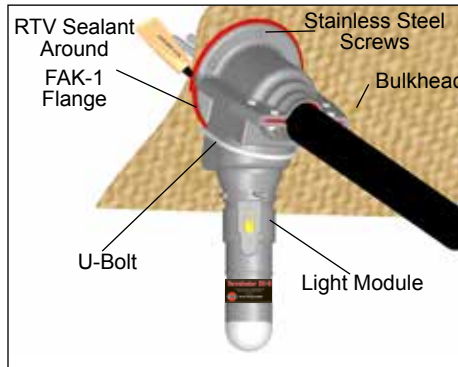
12. Drill hole matching bundle diameter into bulkhead. Mark locations for U-Bolt entry and FAK-1 securing screws and drill 5/16" (8mm) holes through bulkhead.



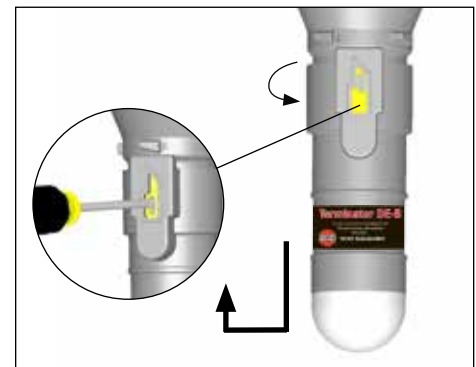
13. Pre-drill FAK-1 with 5/16" (8mm) holes (to match holes drilled in bulkhead) for securing FAK-1 to bulkhead.



14. Apply RTV bead to back of FAK-1 flange prior to securing to bulkhead.



15. Completed Terminator DE-B/FAK-1 with U-Bolt securely installed for bulkhead entry of Electrically Heated TubeTrace Bundles.



16. To remove cap, lift latch mechanism as shown and unscrew cap counter clockwise. De-energize all power sources before opening enclosure.



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 visit us at . . .
www.thermon.com



Specifications and information are subject to change without notice. Form PN50064-0313