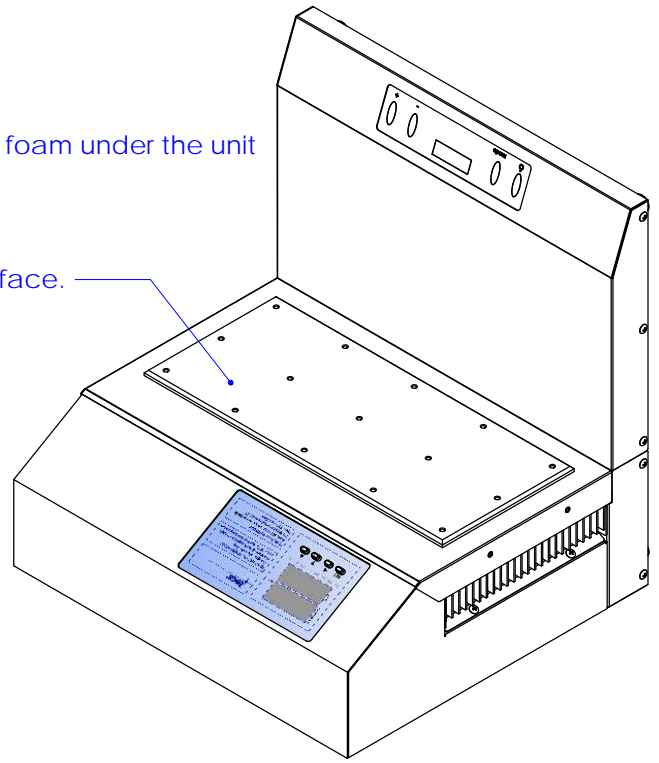


1) Carefully set the unit on it's back using the included insulating foam under the unit to protect the power input module/switch.

2) Peel and remove the clear plastic film from the cold plate surface.



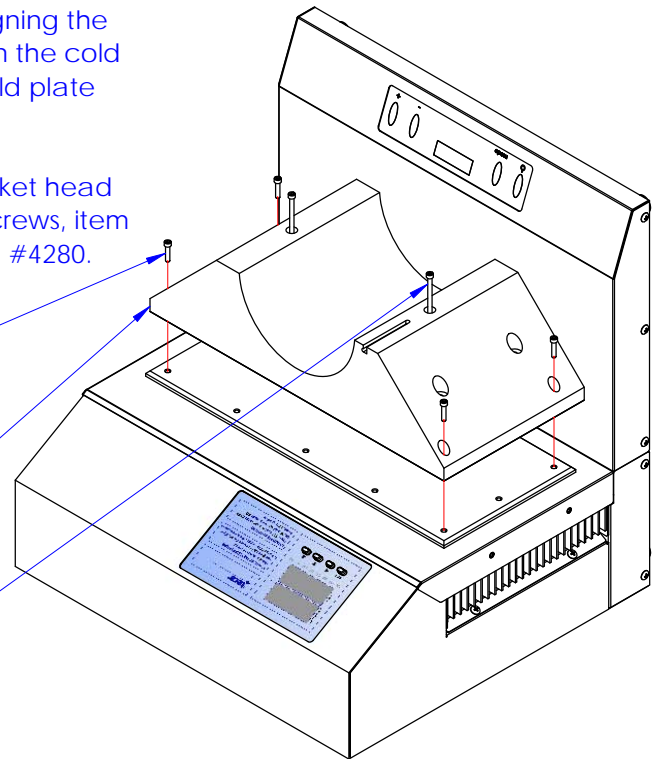
3) Carefully place the cold shoe assembly on the cold plate aligning the (4) exterior holes on the cold shoe with the threaded inserts on the cold plate. Make sure there is no foreign material between the cold plate and the cold shoe.


4) Secure the cold shoe on the cold plate with (4) 6-32 x 5/8 socket head cap screws, item #3142 & (2) 6-32 x 2 3/4 socket head cap screws, item #4277. Tighten the screws using the provided Hex L-Key, item #4280.

Item #3142, 6-32 x 5/8 socket head cap screw

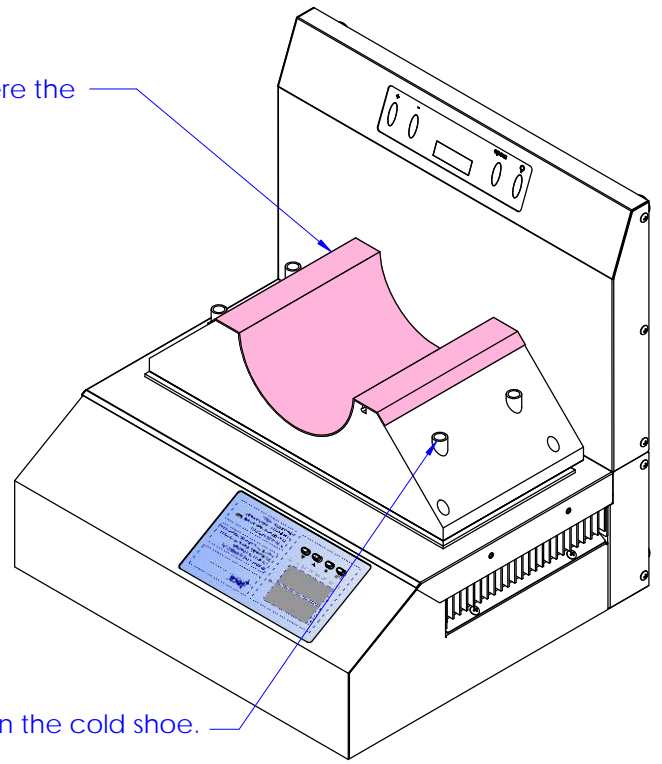
Cold Shoe Assembly

Item #4277, 6-32 x 2 3/4 socket head cap screw



UNLESS OTHERWISE SPECIFIED:	NAME	DATE	 ThermoElectric Cooling America Corporation Chicago, Illinois U.S.A.
DIMENSIONS ARE IN INCHES	DRAWN	AA	
TOLERANCES:	CHECKED		
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ANGULAR: MACH ± BEND ±	<b>AHP-1200MSP</b> <b>COLD SHOE INSTALLATION</b>		
TWO PLACE DECIMAL ±	SIZE	DWG. NO.	REV
THREE PLACE DECIMAL ±	<b>A</b>	<b>SK170710</b>	
INTERPRET GEOMETRIC TOLERANCING PER:			
MATERIAL			
FINISH			
DO NOT SCALE DRAWING		S1098	SHEET 1 OF 3

5) Remove the blue protective film from the Gap Pad and adhere the tacky side to the cold shoe.



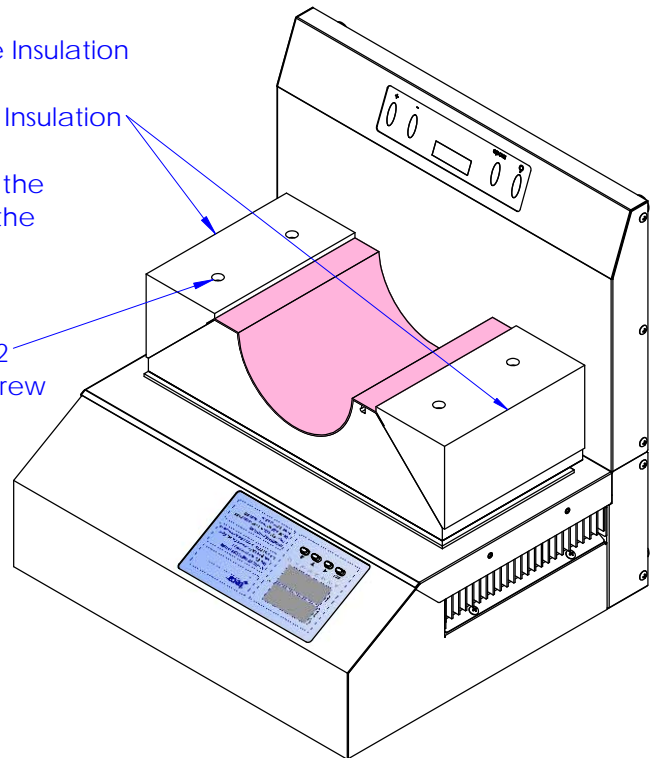
6) Insert the (4) Nylon sleeves item #4276 into the 1/2" DIA holes in the cold shoe.


7) Using the (4) sleeve bearings as a guide, slide the Cold Shoe Insulation items #S1080, in place.

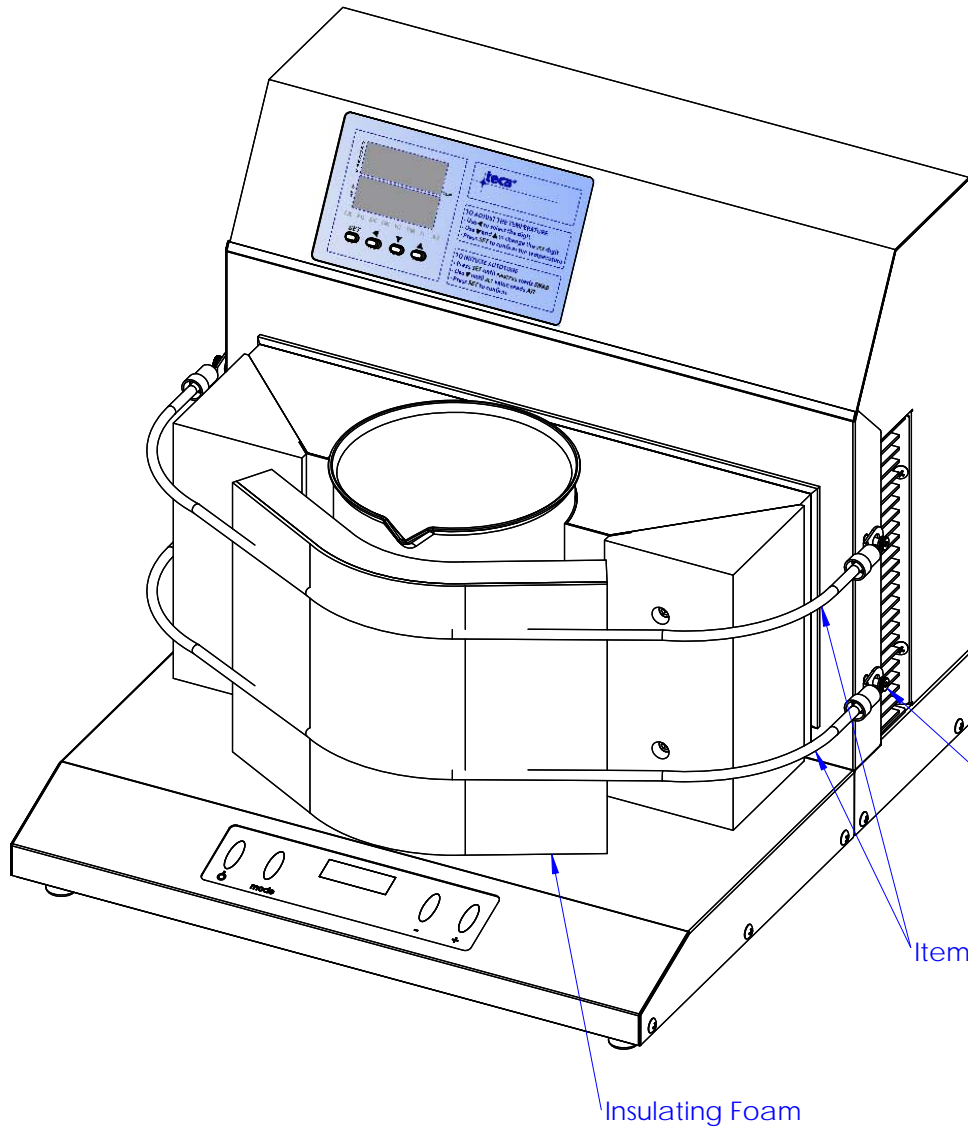
Item #S1080, Cold Shoe Insulation

8) Using (4) 10-32 socket head cap screws, item #4278, secure the cold shoe insulations in place. Tighten the 10-32 bolts using the included Hex L-key, item #4281.

Item #4278, 10-32 x 2 socket head cap screw



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ANGULAR: MACH ± BEND ±	<b>AHP-1200MSP</b> <b>COLD SHOE INSTALLATION</b>		
TWO PLACE DECIMAL ±	SIZE	DWG. NO.	REV
THREE PLACE DECIMAL ±	<b>A</b>	<b>SK170710</b>	
INTERPRET GEOMETRIC TOLERANCING PER:		S1098	SHEET 2 OF 3
MATERIAL			
FINISH			
DO NOT SCALE DRAWING			



9) Turn the unit right side up.

10) Remove (4) 6-32 truss head screws from sides of the apron (2 per side).

11) Install (4) 6-32 shoulder screws, item #4259, in place of the (4) truss head screws removed in the previous step.

12) Place the beaker/bottle inside the cold shoe and place the insulating foam in front of the beaker.

13) Use (2) strap assemblies, Item #S1097, and the foam to hold the beaker firmly in place against the cold shoe.

Item #4259, shoulder screw

Item #S1097, strap assembly

Insulating Foam

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FRACTIONAL ±				
ANGULAR: MACH ± BEND ±				
TWO PLACE DECIMAL ±				
THREE PLACE DECIMAL ±				
INTERPRET GEOMETRIC TOLERANCING PER:				
MATERIAL				
FINISH				
DO NOT SCALE DRAWING				
		SIZE	DWG. NO.	REV
		<b>A</b>	<b>SK170710</b>	
			S1098	SHEET 3 OF 3

AHP-1200MSP  
COLD SHOE INSTALLATION

SIZE DWG. NO. REV  
**A** **SK170710**

S1098 SHEET 3 OF 3