



# 19A/19HE SERIES BOILER JACKET ASSEMBLY INSTRUCTIONS

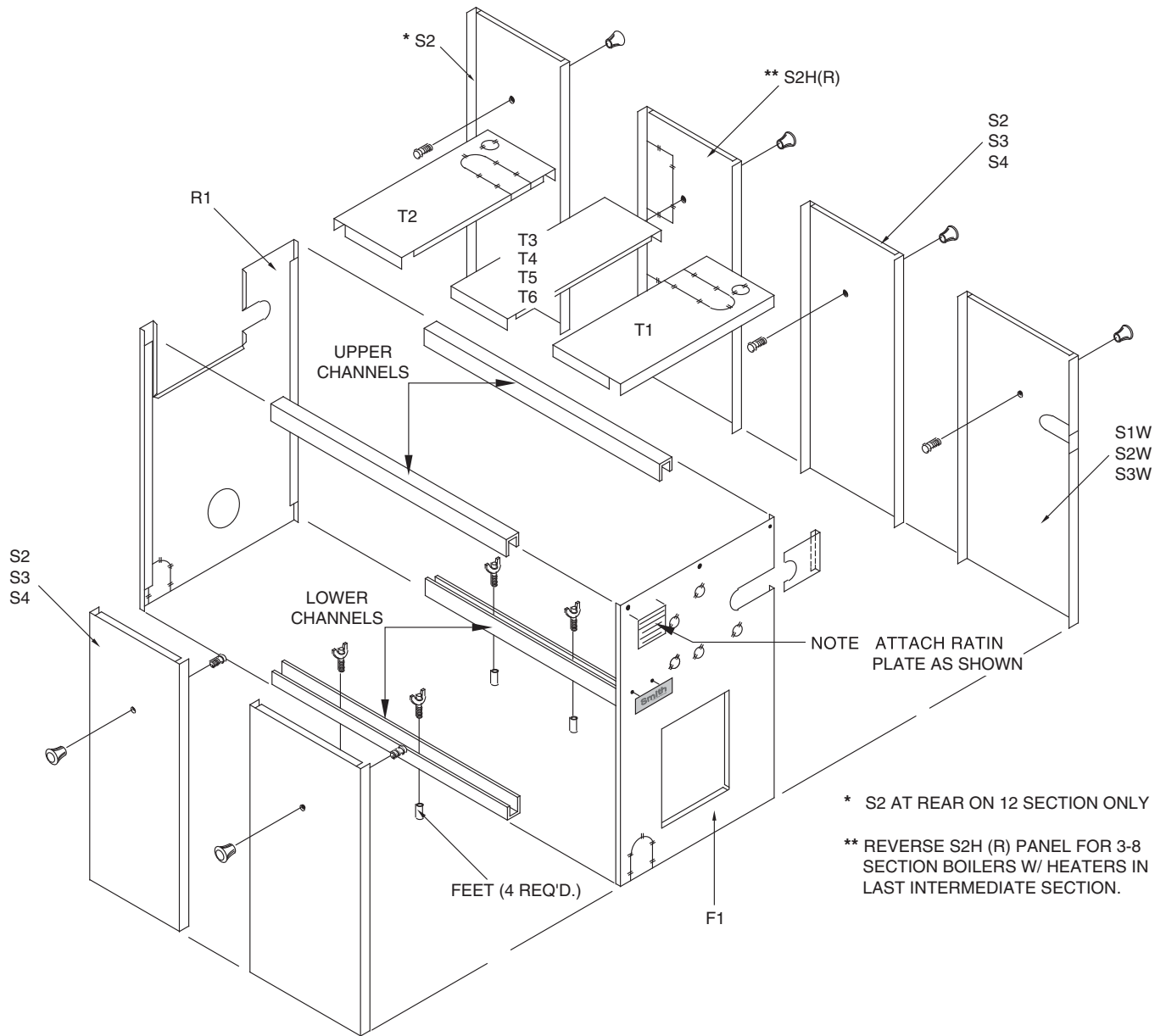
**TO STEAMFITTER**  
**NOTE: READ THESE INSTRUCTIONS CAREFULLY. THEY**  
**WILL SAVE YOU TIME IN ASSEMBLING BOILER PROPERLY.**

**THESE INSTRUCTIONS TO BE LEFT WITH THE BOILER FOR REFERENCE PURPOSES.**



**WESTCAST, INC.**  
**260 NORTH ELM STREET WESTFIELD, MA 01085**  
**TEL. (413) 562-9631 FAX (413) 562-3799**

# 19A/19HE SERIES BOILER JACKET INSTRUCTIONS



\* S2 AT REAR ON 12 SECTION ONLY

\*\* REVERSE S2H (R) PANEL FOR 3-8 SECTION BOILERS W/ HEATERS IN LAST INTERMEDIATE SECTION.

# 19A/19HE SERIES BOILER JACKET INSTRUCTIONS

BOX NUMBER	J4-3 / J2-X (4 - 12)																			
BOX CONTENTS	UC3	UC4	UC5	UC6	UC7	UC8	UC9	UC10	UC11	UC12	LC3	LC4	LC5	LC6	LC7	LC8	LC9	LC10	LC11	LC12
BOILER SIZE																				
3 SECTION	2										2									
4 SECTION		2										2								
5 SECTION			2										2							
6 SECTION				2										2						
7 SECTION					2										2					
8 SECTION						2										2				
9 SECTION							2										2			
10 SECTION								2										2		
11 SECTION									2										2	
12 SECTION										2										2

BOX NUMBER	J1					J4-3 / J3-X (4 - 12)															
BOX CONTENTS	F1	R1	T1	T2	BAG HDW.	T3	T4	T5	T6	S1W	S2	S2H(R)	S2W	S3	S3W	S4	KNOB				
BOILER SIZE																					
3 SECTION	THE J1 CARTON WHICH CONSISTS OF ON (1) EA. OF THE ABOVE LISTED ITEMS, IS THE SAME FOR ALL SIZES BOILERS.									1		1		1			4				
4 SECTION						1					2	1	1								4
5 SECTION							1				1	1	2		1						6
6 SECTION								1					2	1	2						7
7 SECTION									1	1	2	3		1							8
8 SECTION							1	1				3	1							2	10
9 SECTION								2		1	1	3		3							11
10 SECTION								1	1		1	3	1	2		1				1	12
11 SECTION									2		1	3		1	1	2				12	12
12 SECTION								3			2	3	1							3	12

# 19A/19HE SERIES BOILER JACKET INSTRUCTIONS

## **Boiler Assembly**

The boiler must be completely assembled on base angles (supplied by Smith) prior to jacket assembly.

## **Control and Piping Installation**

Any operating or limit controls to be located on the front of the front section must be installed after the jacket has been installed. This is also true for the steam gauge glass set. All supply piping connections can be made prior to jacket assembly.

## **Burner Installation**

Installation of burner mounting plate should be prior to jacket assembly where as, the burner may be awkward to work around during jacket assembly

## **Jacket Assembly**

### **1. Lower Channels**

Place lower channels on floor along side boiler with the wider side against boiler. Lower channels are labeled (LC).

### **2. Front Panels**

The front panel is labeled (F1) and attaches to the lower channels with four sheet metal screws, two power channel. Slide assembly back against boiler front section.

### **3. Back Panels**

(R1) is the label of the rear panel and attaches to the lower channels in the same manner as the front panel did.

### **4. Upper Channels**

Upper channels are labeled (UC) and mount to both the front and rear panels with four sheet metal screws. The widest part of the upper channel should be against the boiler side.

### **5. Top Panels**

There are six different top panels labeled (T1 thru T6). (T1) is the front top panel and has two knockouts in it which may or may not have to be removed depending on your operation. It is attached to the front panel by three sheet metal screws. (T2) is the rear top panel and attaches to the rear panel with two sheet metal screws. There is one hole in the panel for either a safety or relief valve and one knockout that may or may not be needed. (T3 thru T6) are center top panels which fit over both upper channels.

NOTE: There are two metal spring clips that are furnished to attach the front top panel (T1) to the center top panel when the large knockout is removed. The same is true for the rear top panel (T2).

## **6. Side Panels**

Each side panel requires either one or two chrome knobs, depending on its size. Side panels are installed by inserting the top of the panel into the upper channel and lifting until it clears the low channel, then pushing the bottom into the lower channel. Refer to the side panel location schedule for the correct location of panels.

SIDE PANEL LOCATION SCHEDULE

Section No.	Left Side	Right Side
3	S3	S1W,S2H(R)
4	S2, S2	S2W, S2H(R)
5	S2, S3	S1W, S2H(R), S2H(R)
6	S3, S3	S2W, S2H(R), S2H(R)
7	S3, S2, S2	S1W, S2H(R), S2H(R), S2H(R)
8	S4, S4	S2W, S2H(R), S2H(R), S2H(R)
9	S3, S3, S3	S1W, S2H(R), S2H(R), S2H(R), S2
10	S4, S3, S3	S2W, S2H(R), S2H(R), S2H(R), S2
11	S4, S4, S3	S3W, S2H(R), S2H(R), S2H(R), S2
12	S4, S4, S4	S2W, S2, S2H(R), S2H(R), S2H(R), S2

## **7. Front Panel Side Cover**

Place F2 slide cover in position as indicated. Fasten in position with sheet metal screws.

## **8. Leveling Jacket**

The entire jacket assembly can be leveled by using the four adjustable feet on the bottom of the lower channels.