



ELECTRO ADAPTER, INC.
 CHATSWORTH, CALIFORNIA, USA 91311
 PHONE: (818) 998-1198
 FAX: (818) 709-5773
 WEB SITE: www.electro-adapter.com

**ASSEMBLY PROCEDURE
 CONSTANT FORCE SPRING
 BACKSHELL/ADAPTER**

SPECIFICATION CONTROL DRAWING

EAIP-308CFS
 SHEET 1 OF 2
 INSTRUCTIONS SHEET

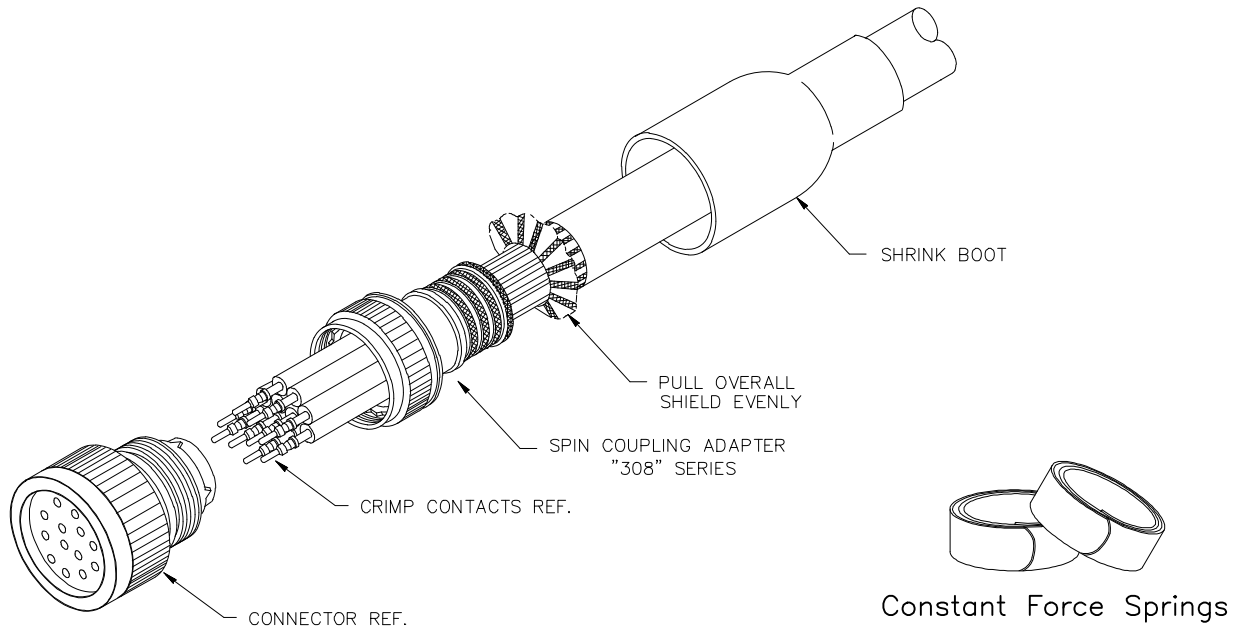


FIGURE 1A.

- STEP 1: Slide all backshell components onto cable in sequence shown. (FIGURE 1A)
- STEP 2: Position the heat shrink tube/boot, the backshell, and the cable shield to where they are not in the way. Then depending upon the shielding size it can be folded back onto itself or bunched up accordion style out of the way for easy access to the cable conductors.
- STEP 3: Prepare and terminate conductors to connector as per customer established procedures.
- STEP 4: Affix the backshell onto the connector and tighten by hand to ensure proper thread alignment then torque to value specified per AS85049 coupling thread strength.
- STEP 5: Gather and pull the cable shield over the backshell of the body covering the knurl, making sure that a minimum of 1/2" will be captured under the spring (Figure 2A & 2B). Though it is recommended that up to .813" is pull over the backshell. Allowing the shield to fold back upon the Constant Force Spring after it has been installed. Later to be held down by the shrink boot and/or electrical tape (see figure 4C for reference).
- STEP 6: Referring to Series 308 Table 3, chose the correct spring. Next unwind the constant force spring by lifting the exposed outside end (FIGURE 3A & 3B). Then capture the shield covering the recessed knurl area of the backshell (FIGURE 3C), leaving the spring to hold itself in Place now (FIGURE 3D). Making sure your fingers are clear of the spring and the area the Constant Force Spring will soon be covering. Continue to wind the constant force spring in the direction that continues to capture the cable shield (FIGURE 3E), until the constant force spring lays flat against itself and the adapter. Fold remaining exposed shielding back over the Constant force Spring (figure 3F).
- STEP 7: Finish installation of shrink boot and the remaining assembly as per customer established procedures.

NOTES: UNLESS OTHERWISE SPECIFIED

1. THIS SHEET IS INCOMPLETE WITH OUT FIGURE SHEET

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	MATERIAL AND FINISH PER NOTES	TOLERANCES: .XX = ± .06 .XXX = ± .03 ANGLES = ± 2°	CAGE CODE 31461	DR .	CHK .	APP .	REV. .
	DO NOT SCALE DRAWING						

