

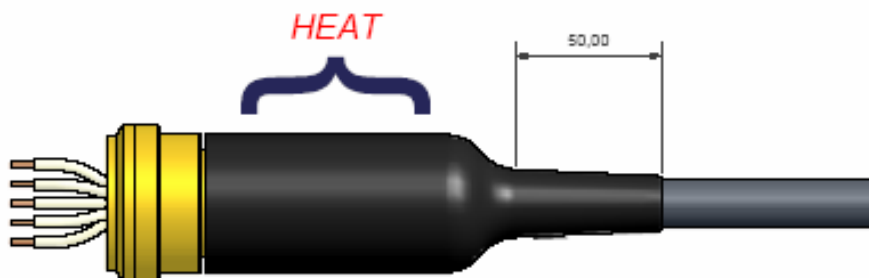
POLAMCO SCREENED ADAPTOR/HEAT SHRINK BOOT KITS REPAIR AND REWORK PROCEDURES

SCOPE

Because of the complex nature of many harness systems it may be necessary to obtain access to the rear of the connector body to repair, replace or modify the wiring. It is a simple procedure to gain re-entry to the sealed connector by heating the body of the Adaptor heat shrink boot and rolling it back over itself. The body and the internal screen is capable of being deformed several times and then recovered. Following this operation the electrical continuity between the adaptor screen and the cable is not affected. Obviously each repair operation will lead to a distortion in the screen and whilst the DC resistance remains constant there is an increase in the high frequency leakage. The procedure is very simple and no special tools apart from a heat gun are required.

PROCEDURE

1. Slacken off and unscrew the spin-coupling adaptor completely from the connector body.
2. Apply heat to the heat shrink boots parallel body between the adaptor body and the shoulder of the boot as it transitions to the cable. Do not heat the portion of the boot that is bonded to the cable. Use a standard heat gun fitted with a suitable reflector on heat setting No 7.



3. When the body of the heat shrink boot is heated above its deformation temperature hold the unheated section of the boot, which is on the cable, and gently push back the adaptor body towards the cable end. Push back the body and allow the heat shrink boot to fold under itself and it should be possible to move the adaptor body back by 33% of the total length of the original assembly



4. Allow the heat shrink boot to cool whilst still holding it in the push back position.
5. Carry out the rework required on the wiring.
6. To re-install the Adaptor again heat the heat shrink boot in the same area as in step 2 and ensure uniform heating.
7. When the heat shrink boot area being heated is at the deformation temperature, hold the unheated section of the boot on the cable firmly and gently pull the adaptor towards the connector.



8. Continue to apply heat to the heat shrink boot body during this operation.
9. Stop heating when the spin coupling can be secured to the connector and secure to it and tighten to the correct torque (see installation instructions for Screened Adaptor Kits).
10. Reheat the end of the heat shrink boot on the cable to ensure that the conductive adhesive re-flows using the same heat gun and setting.
11. Allow the assembly to cool to room temperature before flexing.