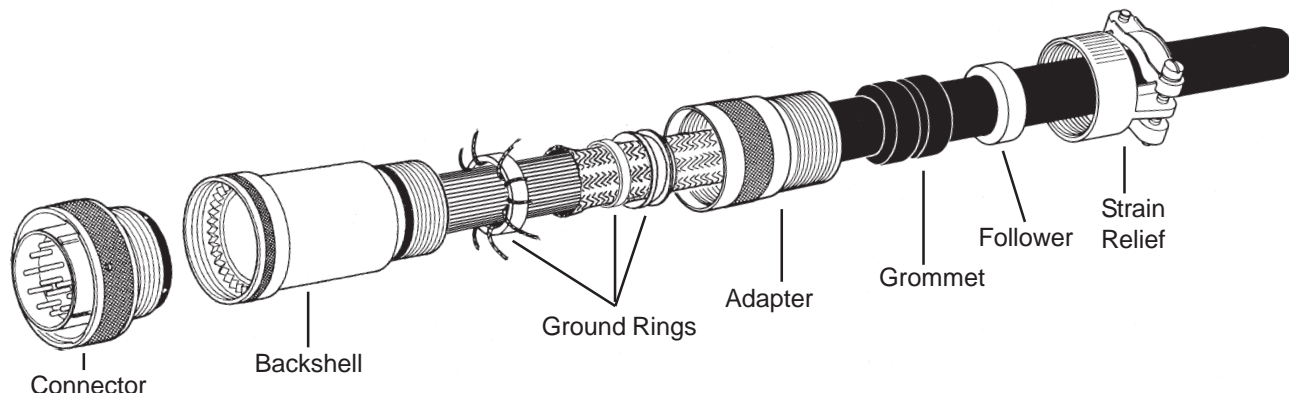


ASSEMBLY INSTRUCTIONS 39-E

TYPE E SHIELD TERMINATION



The following suggested procedure serves as a guide for the proper assembly and installation of Glenair EMI/RFI Environmental Backshells (Type E shield termination). It is recommended that trial samples of appropriate cables or harnesses be used to determine proper trim dimensions of the outer shield and individual conductors. This procedure is for the three ring style.

- a. Temporarily assemble backshell to connector.
- b. Place ground rings, adapters, grommet, follower, and strain relief on the cable in sequence shown. Keep these components at a convenient distance from the end of the cable, so they will not interfere with subsequent assembly steps.
- c. Insert cable into backshell and bottom against connector. Hold cable in position and mark outer shield at rear end of backshell adapter.
- d. Remove backshell from connector and place on cable with items in step (b) above.
- e. Trim outer shield at mark made in step (c) above. This procedure is for individually shielded conductors.
- f. Extract shield pigtail from individual conductor's. Tape or tie pigtails to the bundle.
- g. Prepare and terminate contacts to individual conductors in accordance with established practices. (Crimp or solder in place.)
- h. Slide adapter forward to connector, and tighten securely.
- i. Remove tape or untie pigtails from bundle. Slide ground rings (2) forward to flared-out pigtails. Fold pigtails back over ground ring (2) tie back to bundle leaving about 1/2" to 1" slack.
- j. Bring ground ring (3) for overall braid, fold braid back over ring (3), push forward onto ring (2). Slide ground ring (4) onto overall braid and onto ring (3). . . push all three rings forward into the counter bore at the rear of backshell (1). Engage rear, adapter and thread onto front adapter, providing the shield grounding.
- k. Slide rubber grommet forward into counter bore of rear adapter, making sure the cable jacket passes through grommet, slide follower onto rear of grommet.
- l. Engage strain relief with adapter and tighten securely, tighten strain relief saddles securely on cable or harness, this will then provide the environmental seal on cable. (This same procedure can also be utilized for overall shield.)

NOTE: As with any electrical connector assembly procedure, be sure to use the proper tools. For convenient, reliable assembly of the connector and backshell, it is suggested that Glenair's connector holding tools, strap wrenches and connector pliers be used.