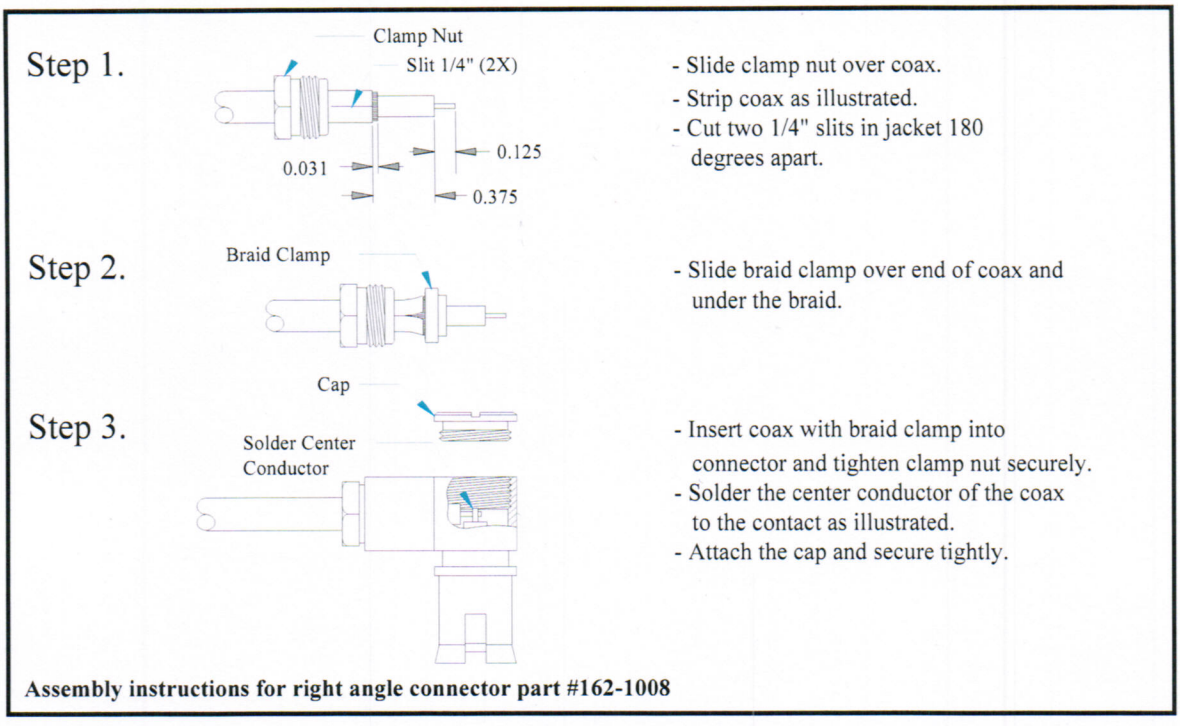

Figure 6 - Rear Coax Connector Assembly

USE OF SPLITTER AND COMBINER

The SL30 is the smallest, most advanced NAV/Comm unit on the market. Its size dictates room for only one Comm antenna input and one NAV antenna input. It incorporates an internal diplexor circuit. This means that the input VHF signal must not strip the glideslope (330 MHz) signal from the NAV (108 MHz) signal. **Do not install an external diplexor**.

It is recommended that a single VOR/Localizer/Glideslope antenna be used for the installation. Most VOR/LOC-only antennas will still provide an adequate glideslope signal for the Apollo SL30 to operate normally. In rare cases, it may be necessary to combine antenna signals. When the signals are combined, the systems overall performance may be slightly degraded, but the glideslope signal may increase to an acceptable level.

Dual Antennas

If separate VOR and glideslope antennas are used on the aircraft, a splitter/combiner must be used.