

Northern Airborne Technology Ltd.

Information Release

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GENERAL:

With the increased demand for communications between various agencies, aircraft involved in specialty roles are being equipped with more radios and audio systems than ever before. With dedicated stations for pilot, copilot, observer and medical crew, the operational and performance requirements of the communications system are placing a higher demand on the capabilities of all agencies involved with the manufacture, installation and support of these systems.

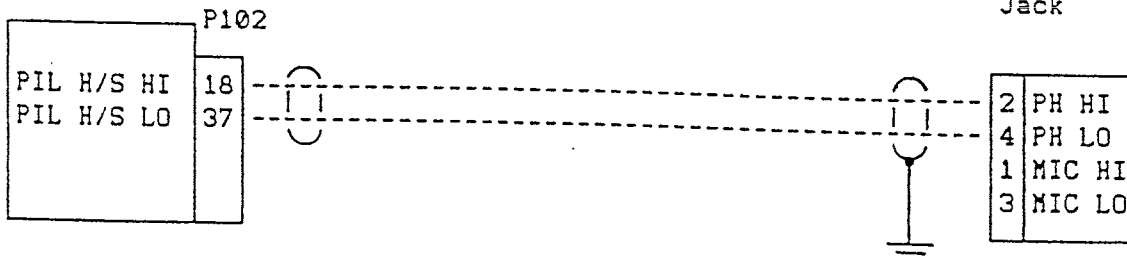
To maintain proper isolation of radio and intercom audio between the various audio controllers in multi-box installations, NAT recommends the use of two conductor, shielded wire for all headset and ICS TIE connections. This will greatly reduce the possibility of headset audio being cross-coupled into adjacent wiring, and provide better noise isolation for the low level ICS Tie line. The two conductor, twisted shielded pair should be terminated as follows:

Twisted Pair: Connect to respective HI/LO terminations as shown in the appropriate installation drawing.

Shield: Connect to ground at one end ONLY. In consideration of wire bundle size, it may be more convenient to terminate the shield at the airframe connection rather than at the audio controller.

AA90/ANS40 Series
Audio Controller

Pilot's
Headset
Jack



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