

2.4.9 Interconnect Cable Fabrication, Continued

\*DO NOT CONNECT TO ANY EXTERNAL SOURCE

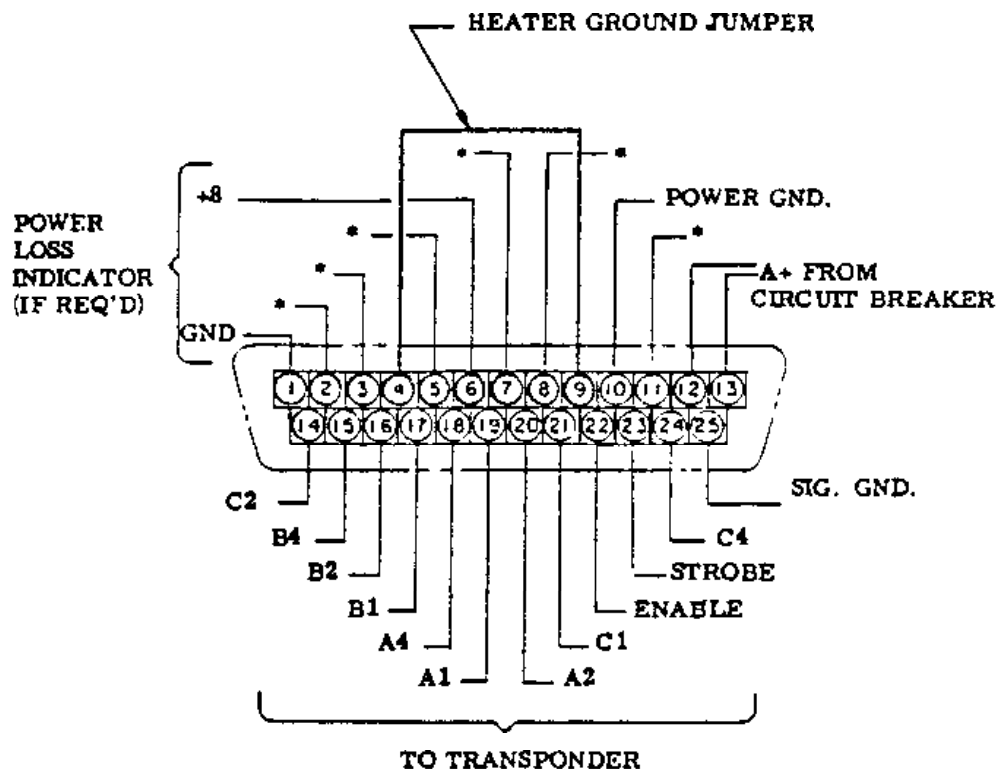


FIGURE 2-5 P201 PIN ASSIGNMENTS

2.4.10 Correspondence Tests

A data correspondence check between automatically reported pressure altitude and the pilot's altitude (aircraft altimeter) reference is required.

The AR-850 Altitude Reporter shall correspond to the aircraft altimeter within  $\pm 125$  feet (38.1 meters) when the pressure datum is set for 29.921 inches of mercury absolute (1013.25 millibars).

2.4.10.1 Test Equipment Requirements

Any test equipment capable of "reading" the code generated by the AR-850 and/or replies transmitted by the transponder is acceptable.

The most convenient equipment is the self-contained "ramp check" type available from several manufactures which "reads" the altitude in the ABCD code and/or feet.

The pneumatic equipment must be of high quality and precision and be capable of exercising the AR-850 and aircraft altimeter over the range of -500 TO +25,000 feet. The equipment must be capable of holding an altitude long enough to obtain accurate data to confirm correspondence.