REV.	DESCRIPTION	DATE	APP.
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CHECKED		Van Nuys, CA 91406						
C. HERRERA	9/23/2014							
ENG.		TITLE						
M. REMENIH	9/23/2014	BASIC TROUBLESHOOTING FLOW CHARTS MODEL						
QA		SSD120-(XX)N-XXXX						
J. FERRERO	9/23/2014							
MFG.		SIZE	DO	NOT SCALE	DWG N	0.	REV.	
C. HERRERA	9/23/2014	A	DRAWING			882239	A	
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J. FERRERO	9/23/2014	NO	NE	57323		N/A	1 OF 6	

Troubleshooting Altitude Digitizers

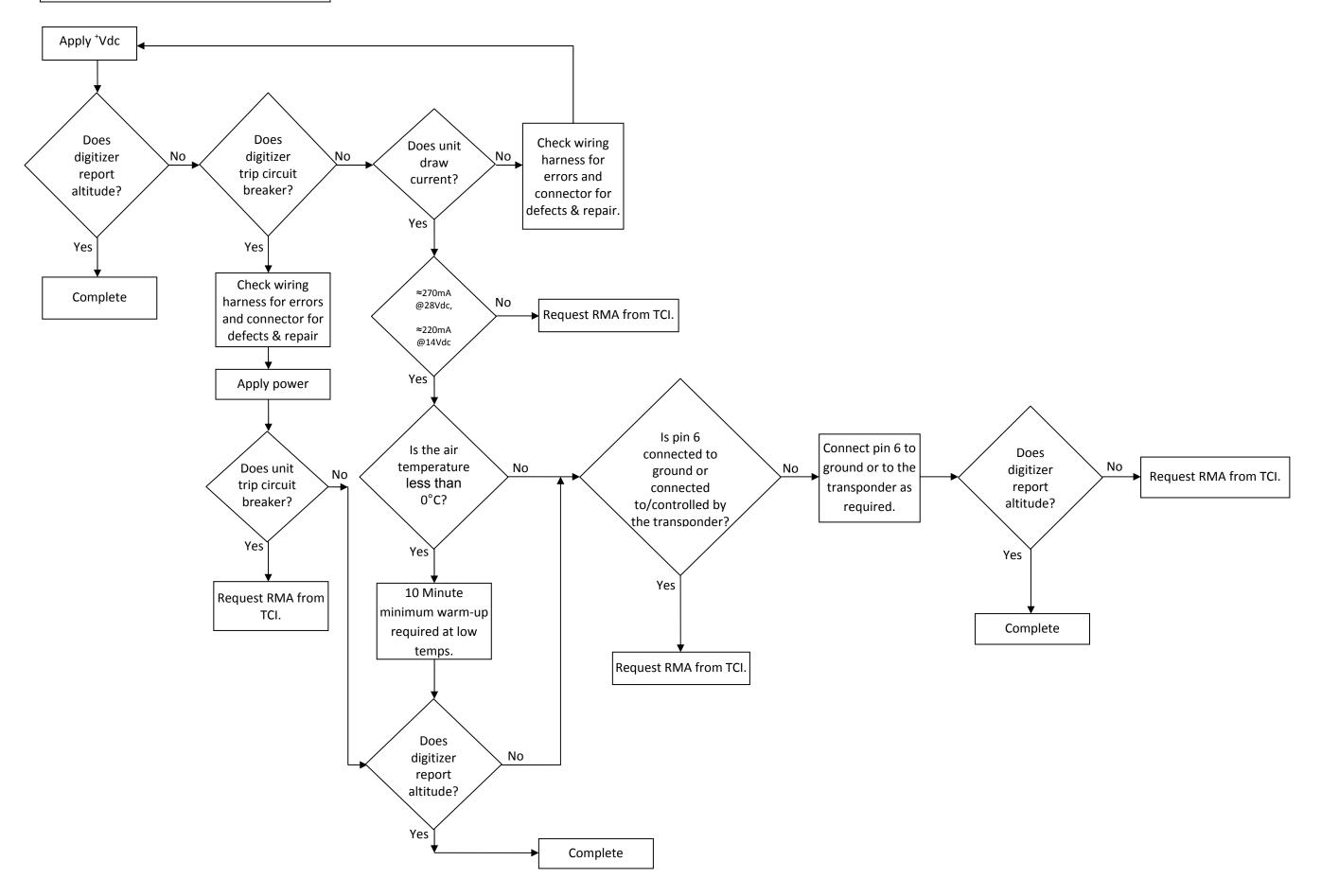
There is no substitute for common sense and experience. The following flow charts assume a basic understanding of electronics and the function of the digitizer within the static and electrical system of an aircraft. Please exercise caution when troubleshooting altitude digitizers. These flow charts are intended to provide a starting point in the localization of problems in the altitude digitizer and equipment connected to it. They are intended for troubleshooting Trans-Cal devices only, and should not be construed as to apply to other manufacturer's devices.

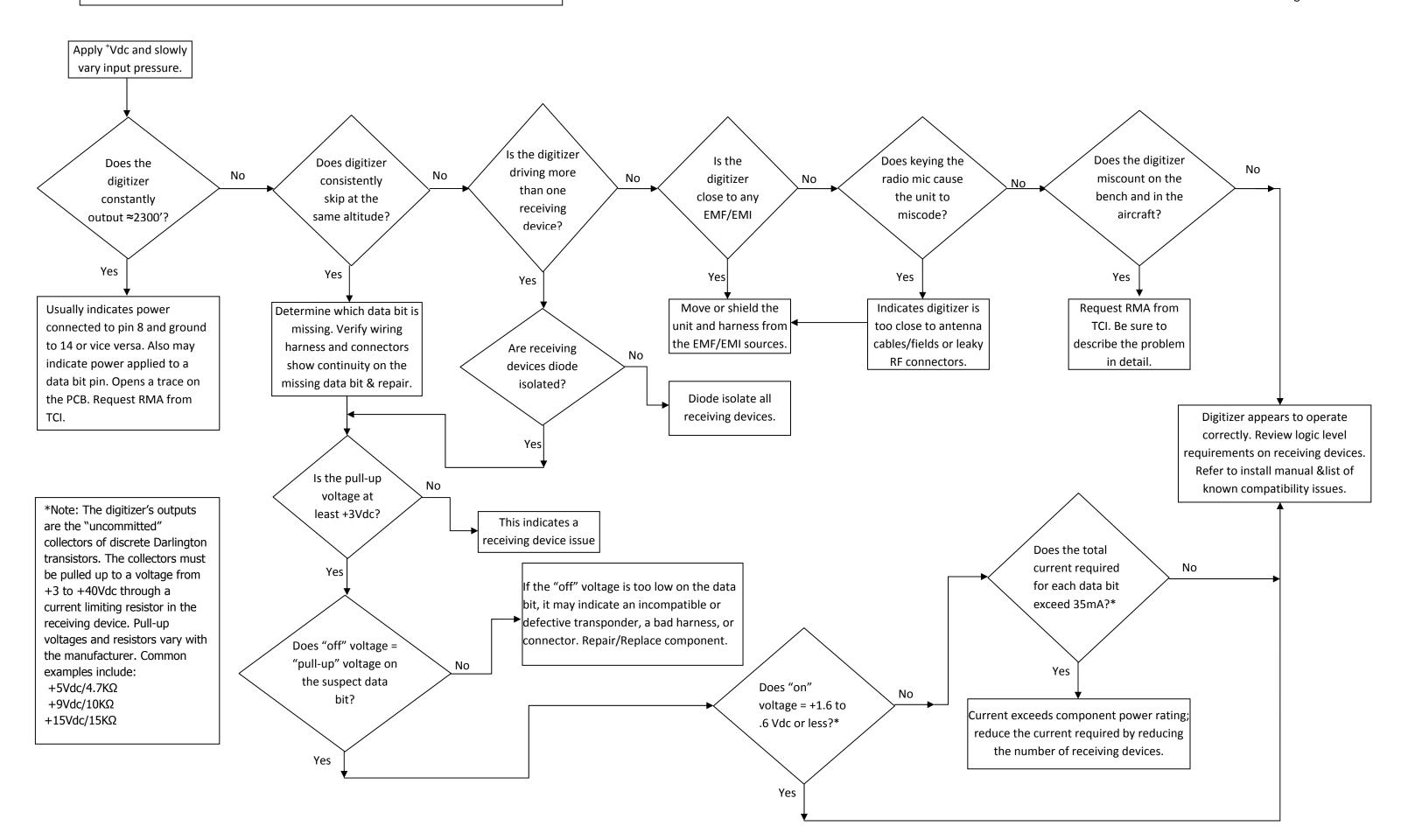
Specialized test equipment and the expertise required to operate it may be required and is so listed below: (Caution! Improper operation of some test equipment may damage sensitive instrumentation in the aircraft. Test equipment should be operated only by personnel qualified and thoroughly familiar with the test and certification of aircraft systems.) The equipment listed below may or may not be required depending on the needs of the particular installation.

- 1. Pitot-Static test set capable of exercising the static system over the operating range of the altitude digitizer.
- 2. Volt/Ohm Meter
- 3. Transponder ramp test set
- 4. ATS-400 Altitude Digitizer Test Set or equal
- 5. ECP-100 Encoder Calibration Programmer or equal
- 6. IBM PC with serial data capture software or equal

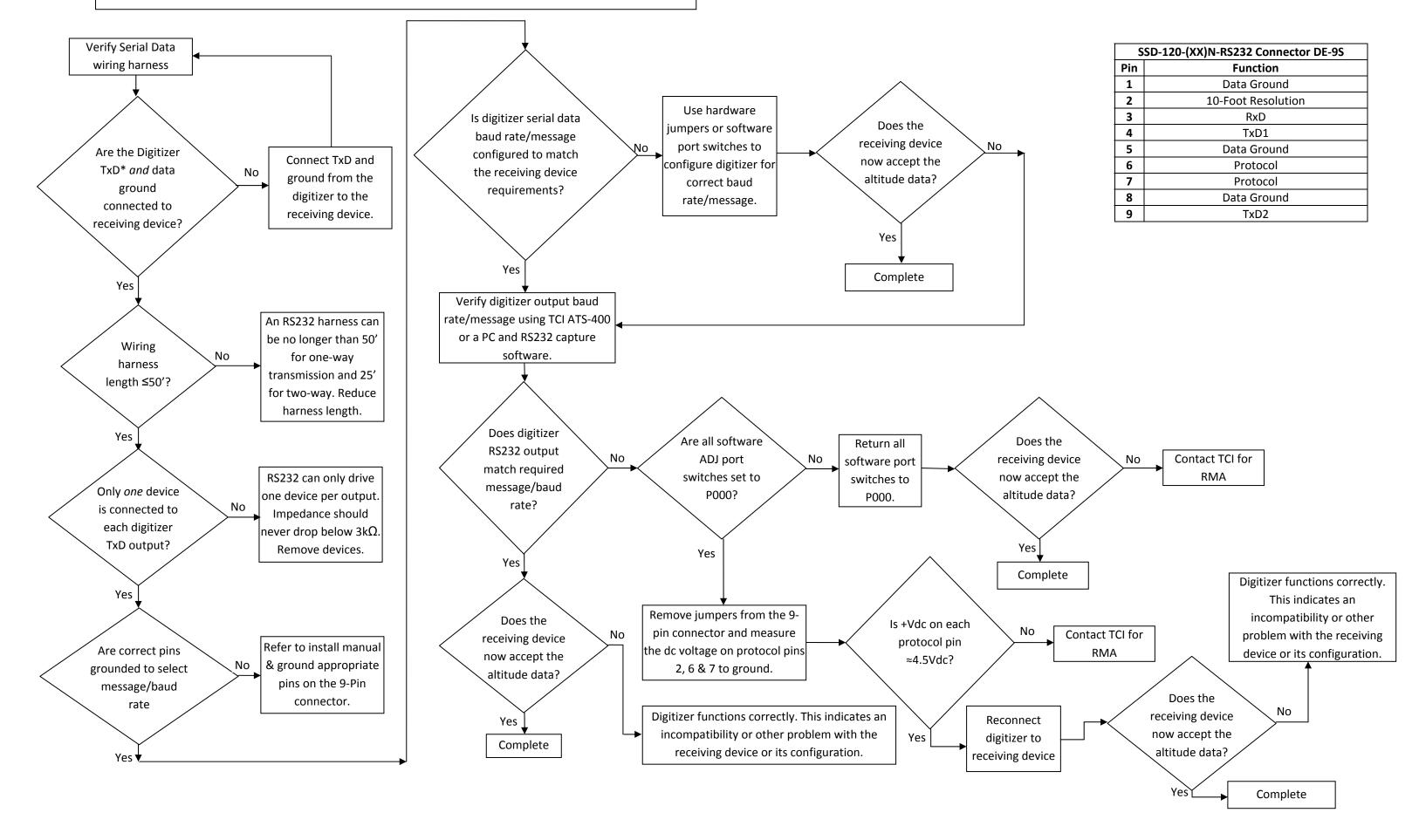
Additional troubleshooting resources include the FAQ section of the TCI website at http://www.trans-cal.com/techServ/FAQ.html included on this webpage is a "Known Compatibility Issues" section.

Basic Troubleshooting Flow Chart





Serial Data Communication Troubleshooting Flow Chart SSD120-(XX)N-RS232 (Configured for TxD1 and TxD2 transmitting the same baud rate/message.)



Serial Data Communication Troubleshooting Flow Chart – (Configured to transmit two different baud rates/messages on TxD1 and TxD2.)

