

Apollo[®]
Model GX55 GPS
Wiring Information

II MORROW
VISIONARY THINKING TODAY



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See the GX55 Installation Manual P/N 560-0960-01 (or newer) for more complete information.

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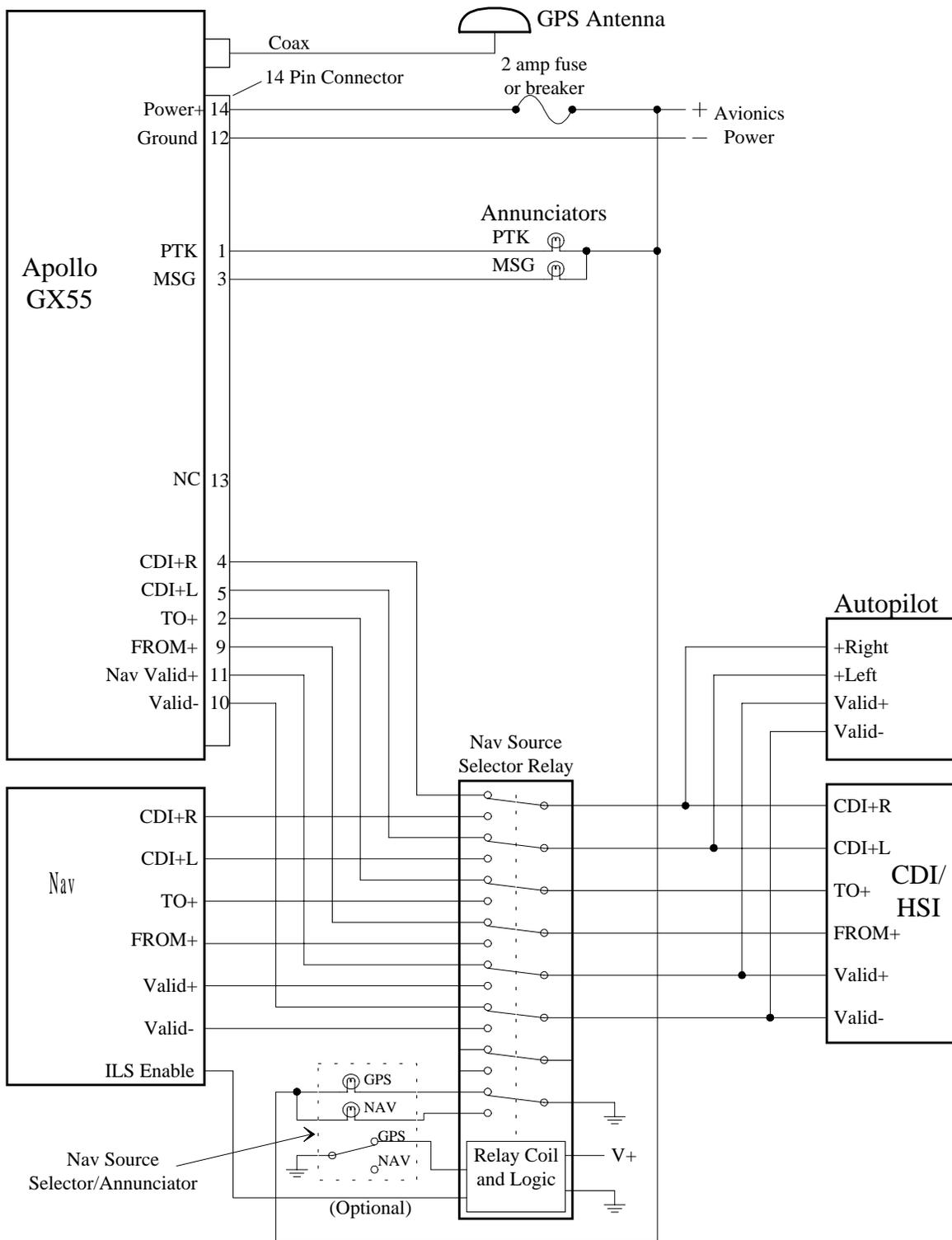
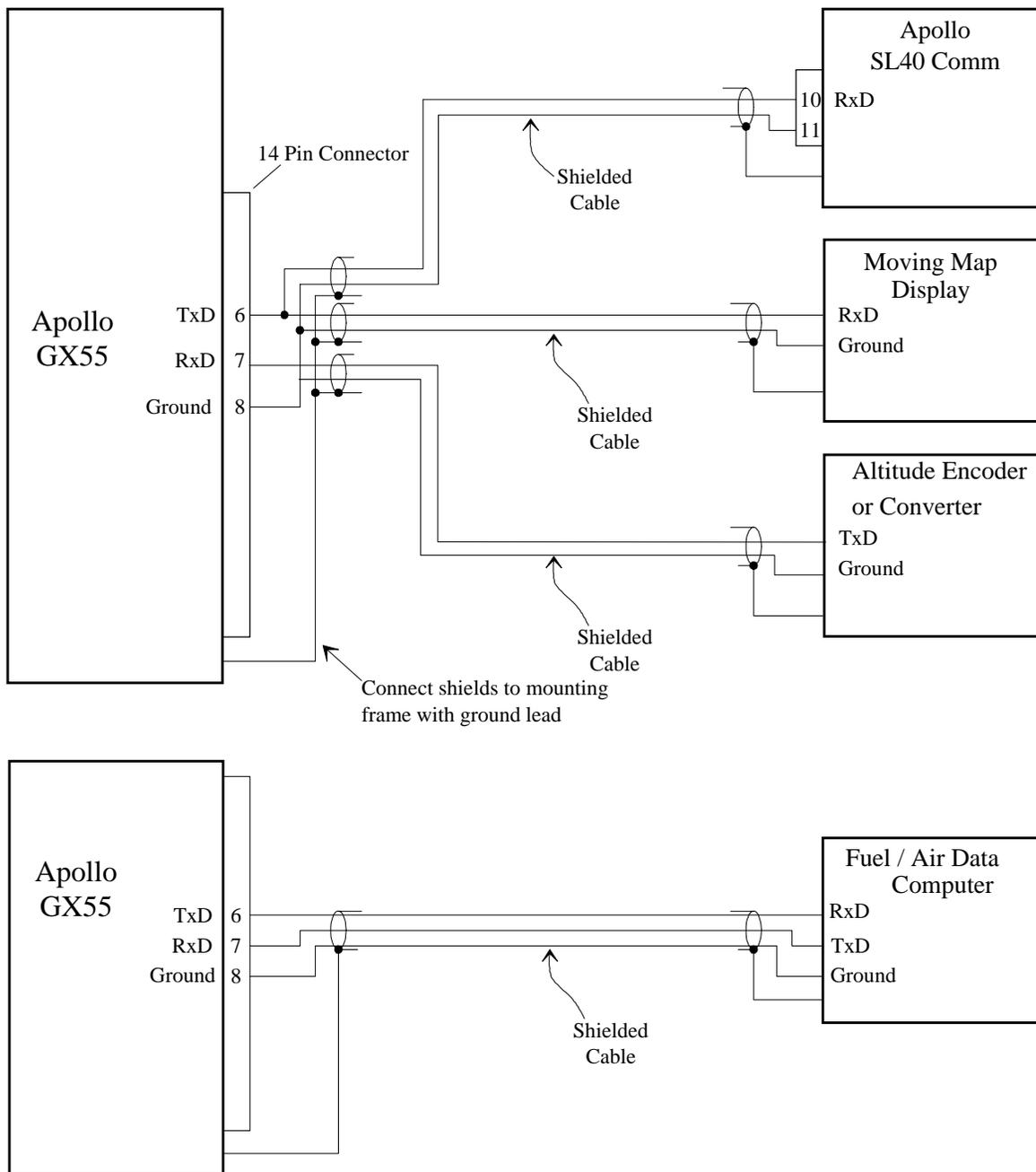


Figure 1 Power and Avionics Connections



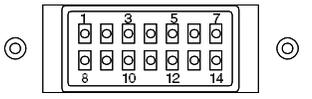
- Notes:**
1. Use shielded cable for all RS-232 interface connections.
 2. Connect cable shields to the rear of the mounting frame with pigtails < 1.25 inches.
 3. Connect shields to chassis ground at both ends of each shielded cable.
 4. Connect either the encoder/converter or the fuel/air data computer.
 5. Other units, such as the SL40 comm or a moving map display, can be connected with the fuel/air data computer.

Figure 2 RS-232 Serial Connections

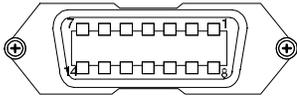
REAR CONNECTOR PINOUT

The GX55 includes a 14-pin rear panel connector for the GPS navigation connections. The pinout for the connector is listed in the following table.

| Table 1 Navigation Interface Connector Pinout | | | |
|---|-----|-------------------|-----------------------------------|
| Pin # | I/O | Connection | Function |
| 1 | O | PTK | Parallel track annunciator output |
| 2 | O | + TO | + To flag output |
| 3 | O | Message | Message annunciator output |
| 4 | O | CDI + Right | CDI + Right output |
| 5 | O | CDI + Left | CDI + Left output |
| 6 | O | TxD | RS-232 serial data output |
| 7 | I | RxD | RS-232 serial data input |
| 8 | O | Serial ground | RS-232 signal ground |
| 9 | O | + FROM | + From flag output |
| 10 | O | valid flag ground | signal ground connection |
| 11 | O | Nav + valid | Nav low level valid flag output |
| 12 | I | Power ground | main power ground input |
| 13 | -- | reserved | do not connect |
| 14 | I | Power + | main DC power input |



View from rear of mounting frame



View from inside frame

Figure 3 Rear Connector Pinout

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