

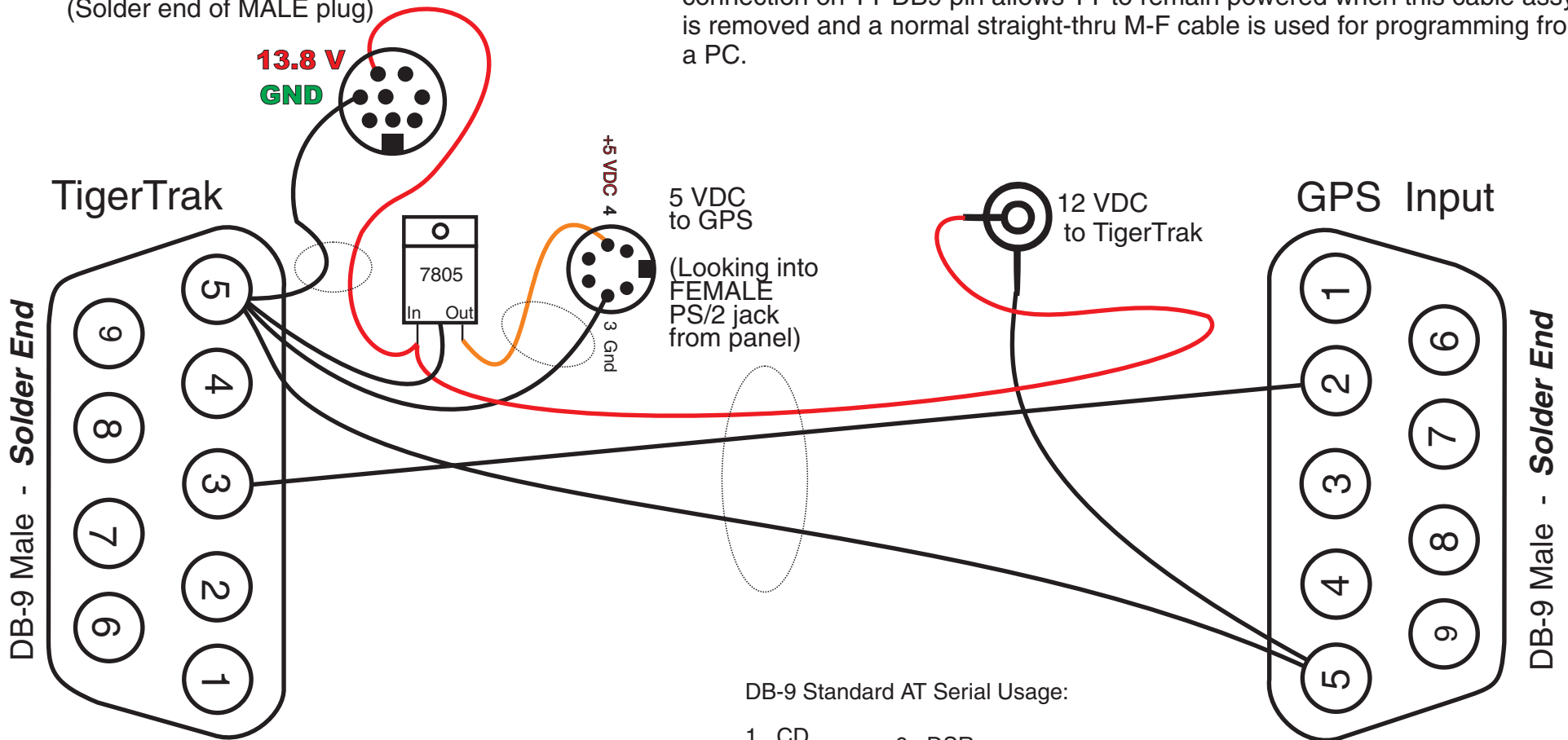
Null-Modem+ Adapter for TigerTrak or TinyTrak

Null-modem adapter for connecting TigerTrak to any standard mouse-type GPS with PC-type DB9 data connector and PS/2 power connector. Adapter also provides power distribution for GPS (5 VDC) and TT (12 VDC).

7805 regulator mounted inside of, and heat-sunk by, die-cast metal DB9 hood provides 5 VDC power for GPS. Female PS/2 connector intended for panel mount on PC backplane mates with PS/2 male connector on GPS cable.

Coax power plug provides 12 VDC to TigerTrak. Not using DC power input connection on TT DB9 pin allows TT to remain powered when this cable assy is removed and a normal straight-thru M-F cable is used for programming from a PC.

DC Power fm FT-100
CAT connector.
(Solder end of MALE plug)



DB-9 Standard AT Serial Usage:

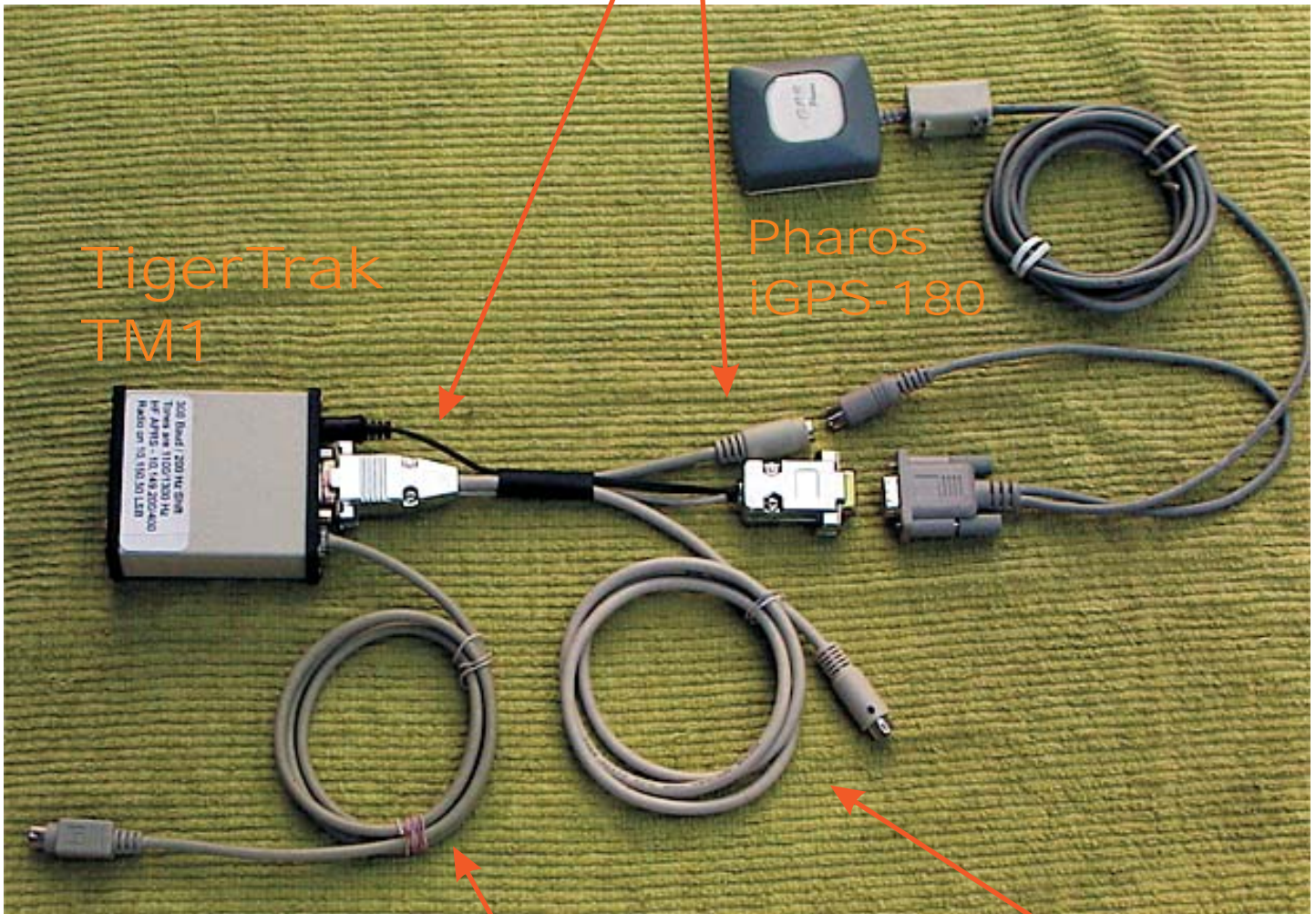
- | | | | |
|---|---------|---|-----|
| 1 | CD | 6 | DSR |
| 2 | RD | 7 | RTS |
| 3 | TD | 8 | CTS |
| 4 | DTR | 9 | RI |
| 5 | GND/COM | | |

TigerTrack To Yaesu FT-100 Harness Assembly

5 VDC power and data connections for GPS unit. Power connector is the female half of a PS/2 mouse/keyboard extension cord.

Pharos iGPS-180 and similar GPSes such as the Holux, RandMcNally, and Tri-M units normally get their 5VDC power from the external keyboard connector of a laptop computer.

5 VDC regulator for GPS power is inside DB9 shell (See next page).



TigerTrak
TM1

Pharos
iGPS-180

TX Audio/PTT Line
Connects to FT-100 6-Pin
MiniDIN Packet Connector.

13 VDC Power Tapped
From FT-100 8-Pin MiniDIN
"CAT" Connector Pigtail.

This cable is the male end of a PS/2
mouse/keyboard extension cord.

This cable is made from half of a
Macintosh serial cable.

Stephen H. Smith
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4 Nov 2002

Interior View of TigerTrack DB9 Connector

7805 Voltage Regulator Uses Metal Connector Shell As Heatsink

