

KH6NO/W7

KI02 -- DB9F and DB9M Connector Modification
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- NØSS (Tom Hammond) and AB7MY (Gary Surrency) have written a document (21 December 2003) that explains what happens when the **WRONG SERIAL CABLE** is connected to your KI02, KPA100 and KAT100.
- Their document will help in re-building any K2, KPA100 and KAT100 that has been damaged by using the **WRONG SERIAL CABLE**.
- This document will be addressing only the KI02 and what steps I have taken to remedy the **WRONG SERIAL CABLE** connection. This **mechanical solution** can also be used on the KPA100 and KAT100 if desired.
- KI02 Nomenclature:
DB9F - is located on rear of K2 and named 9-pin FEMALE "D" connector.
DB9M - is located on the **SPECIAL serial cable that you assembled to connect your K2 to your PC computer**. This connector is named 9-pin MALE "D" connector.

Figure 1 -- shows a graphic example of how a Straight Wire KEY could appear on a DB9F connector.

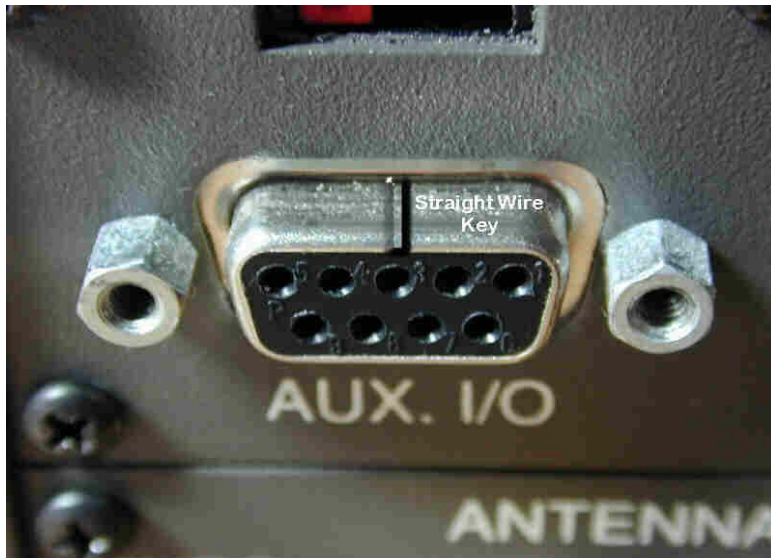


Figure 1

Figure 2 -- shows a STOCK (non-modified) DB9M connector:



Figure 2

Figure 3 -- shows wire bent 180 degrees and held in place by DB9F pin #3. (Adjust wire so it is snug b/4 soldering)



Figure 3

Figure 4 – shows wire that has been soldered into place. Bottom wire has been cut away and removed from DB9F pin #3.



Figure 4

Figure 5 – shows top angled view of SOLDERED WIRE KEY.

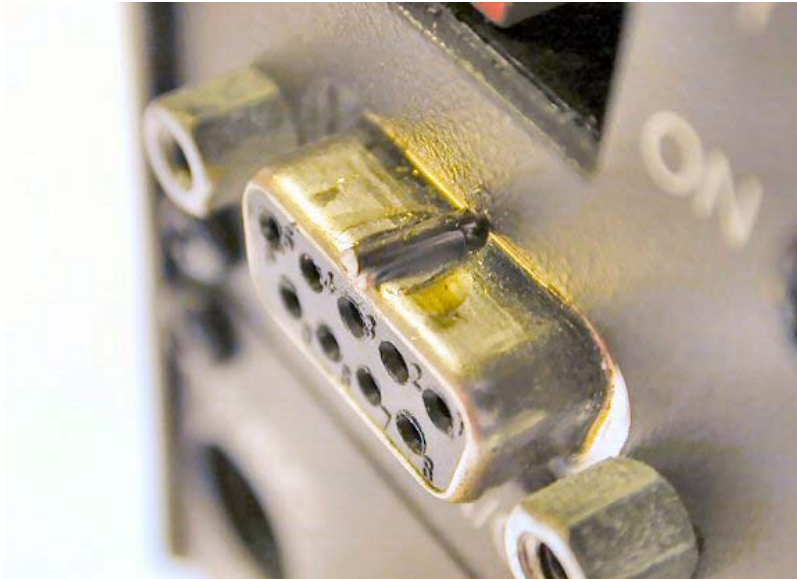


Figure 5

Figure 6 – shows top angled view of SOLDERED WIRE KEY.

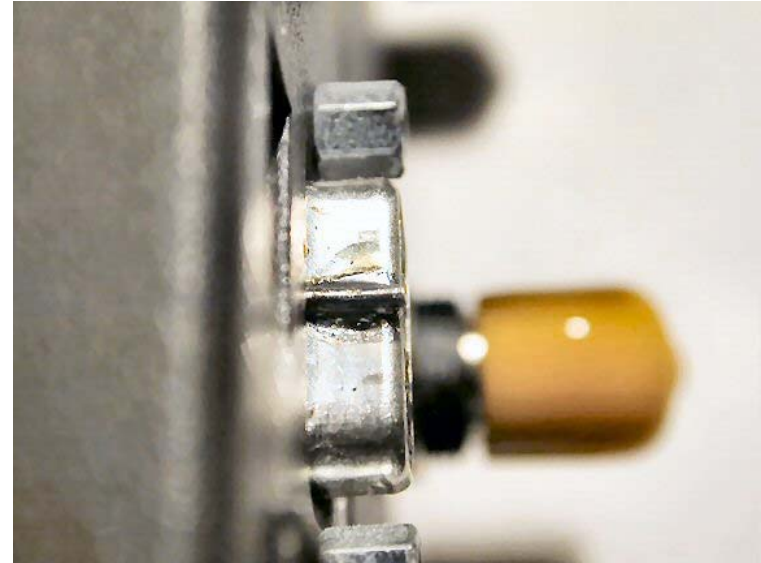


Figure 6

Figure 7 – shows that DB9M connector and cable cannot be connected to DB9F because SOLDERED WIRE KEY is “in the way”.

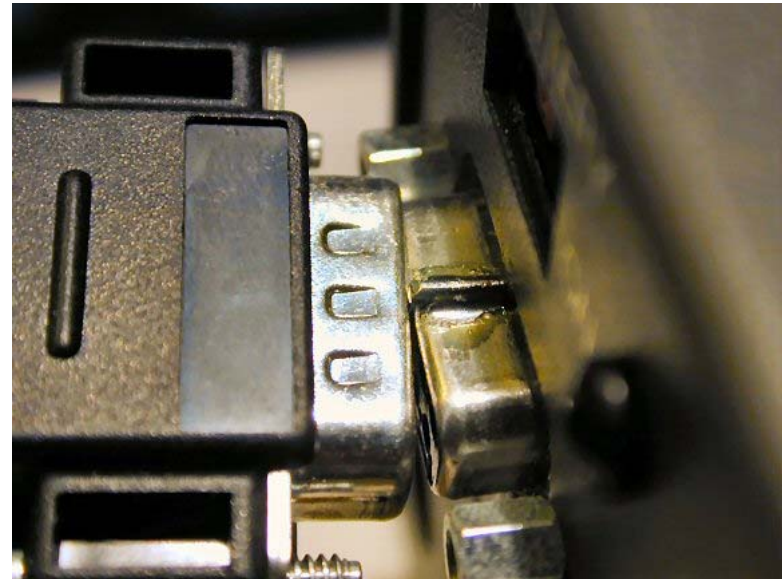


Figure 7

Figure 8 – shows MODIFIED DB9M connector. Center portion has been removed so DB9F WIRE KEY will fit into slot. ALL non-modified DB9M connectors WILL NO LONGER FIT KI02 DB9F connector.

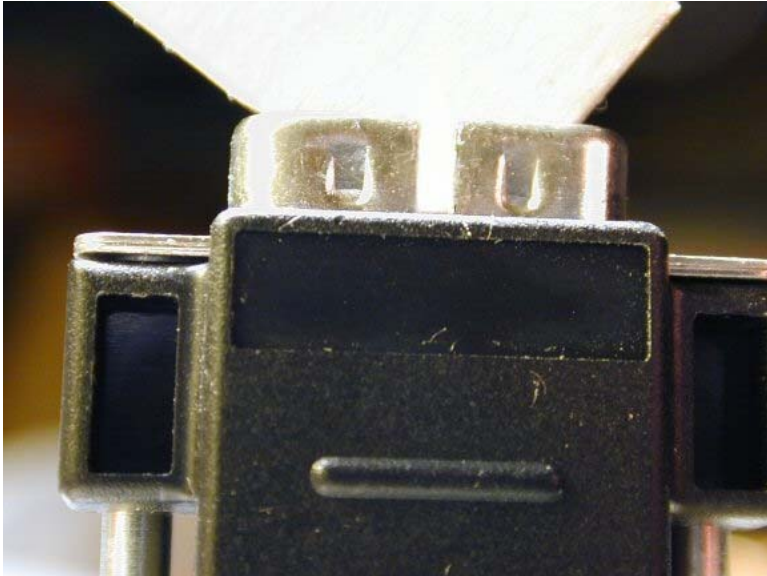


Figure 8

Figure 9 – Initial stage of DB9M and DB9F.



Figure 9

Figure 10 – Second stage of DB9M and DB9F.



Figure 10

Figure 11 – FINAL stage of DB9M and DB9F – CONNECTED.



Figure 11

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