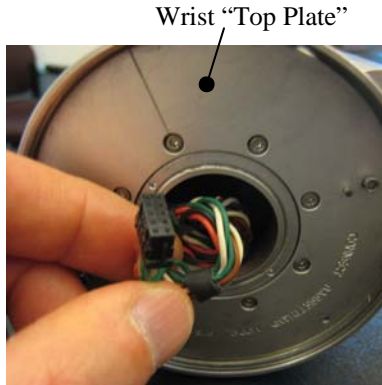


# WAM User Wiring

The WAM and Wrist have 4 “user” lines that start at the backplate of the base of the WAM (Figure 1, Left) and exit as a wiring harness at the opening in the top plate of the Wrist (Figure 1, Right).



Male 9-pin D-Sub connector labeled “TOOL”



Wrist “Top Plate”  
 Small black connector on an embedded wiring harness exiting through center of Wrist “Top Plate”  
 Connector: Hirose DF11-10DS-2C  
 Mate: DF11-10DEP-2C (Crimps: DF11-EP2428PCA)

**Figure 1 -- [Left] WAM Back Plate; [Right] Wrist Top Plate**

Line description	9-Pin D-Sub Contact #	Hirose Contact #
User A (Power +)	1	3
User B (Data)	6	4
User C (Data)	3	7
User D (Power return)	8	8

The 4 lines are not 4 continuous wires, but consist of multiple wiring harnesses strung together through several connectors and traces on a PCB. The wiring is a mix of 20 and 24 AWG wire and is shielded for approximately half of its length.