

DMC775 WIRING SYSTEM SERVICE KIT

For the Embraer EMB-312 Tucano



**DMC775 for the
Embraer EMB-312 Tucano**

THE MAINTENANCE PROBLEM...

Modern aircraft, such as the Embraer EMB-312 Tucano, have complicated electrical wiring systems containing many different connectors, contacts and terminals, the repair of which require precision tools.

It is not a cost effective use of the time of your technical staff to start from scratch and try to become intimately knowledgeable about which precision tools must be used to repair each electrical connector, contact and terminal when DMC has already performed this task for the Embraer EMB-312 Tucano.

AOG TIME CONSTRAINTS. Once the aircraft becomes inoperable because of a connector failure, it is imperative to be able to replace the connector, contact or terminal as quickly as possible to avoid revenue loss due to AOG. The DMC775 kit supplies your staff with both the information and the tools necessary to make this type of repair to the Embraer EMB-312 Tucano in the shortest time possible.

THE DMC SOLUTION...

TOOLING RESEARCH. DMC has already researched the list of connectors for the Embraer EMB-312 Tucano and has identified the most common tools required to maintain the electrical connectors in the aircraft. DMC has cross referenced these tools to the connectors, contacts and terminals, eliminating costly and time-consuming research which would otherwise have to be performed by your electrical technicians.

IMMEDIATE AVAILABILITY OF TOOLS AND TECHNICAL INFORMATION. The DMC775 kit contains all of the tooling to connector, contact and terminal cross reference information needed to support the Embraer EMB-312 Tucano. In addition, the DMC775 kit also contains illustrated operating instructions for the required tooling.

ALL IN ONE. Since all of these tools, together with their operating instructions, are contained in a single kit, the connector repair can be made in the shortest time possible, thus permitting a rapid return of your aircraft to service.



Actual Kit may vary from example shown.

DMC775

DMC DANIELS
MANUFACTURING
CORPORATION

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DMC775 WIRING SYSTEM SERVICE KIT

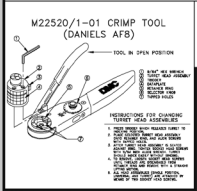
For the Embraer EMB-312 Tucano

DMC775 TOOL AND ACCESSORY LIST		
	2	Crimp Tools
	2	Turret Heads
	1	Positioner
	4	Metal Insertion Tools
	4	Metal Removal Tools
	20	Plastic Ins/Rem Tools
	3	Contact Gages
	1	Unwired Contact Removal Tool w/ Probes
	1	Wire Cutter
	2	Wire Strippers
	1	In-Service Inspection Gage
	1	Hex Wrench
	1	Strap Wrench
	16	Adaptor Tools
	2	T-Handle Wrenches
	1	Soft Jaw Plier

DMC775 CONNECTOR COVERAGE	
MANUFACTURER	SERIES
MIL-C-5015	Series 3100 & 3450
MIL-C-26482	Series 1 & 2

DATA PACKAGE

TOOL/ACCESSORY INSTRUCTION SHEET



M22520/1-01 CRIMP TOOL (DANIELS AF8)

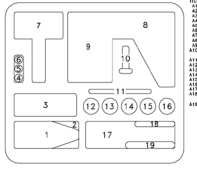
TOOL IN OPEN POSITION

INSTRUCTIONS FOR CHANGING TURRET HEAD ASSEMBLY:

1. REMOVE ALL WIRE FROM THE TURRET HEAD.
2. REMOVE THE TURRET HEAD FROM THE TOOL.
3. REMOVE THE TURRET HEAD FROM THE TOOL.
4. REMOVE THE TURRET HEAD FROM THE TOOL.
5. REMOVE THE TURRET HEAD FROM THE TOOL.
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14. REMOVE THE TURRET HEAD FROM THE TOOL.
15. REMOVE THE TURRET HEAD FROM THE TOOL.
16. REMOVE THE TURRET HEAD FROM THE TOOL.
17. REMOVE THE TURRET HEAD FROM THE TOOL.
18. REMOVE THE TURRET HEAD FROM THE TOOL.
19. REMOVE THE TURRET HEAD FROM THE TOOL.
20. REMOVE THE TURRET HEAD FROM THE TOOL.

CONTENTS CHART

COMPARTMENT A



CONTENTS CHART

ITEM	DESCRIPTION	QTY	UNIT	REMARKS
A1	CRIMP TOOL (DANIELS AF8)	2	EA	
A2	TURRET HEAD (DANIELS AF8)	2	EA	
A3	POSITIONER (DANIELS AF8)	1	EA	
A4	METAL INSERTION TOOL (DANIELS AF8)	4	EA	
A5	METAL REMOVAL TOOL (DANIELS AF8)	4	EA	
A6	PLASTIC INS/REM TOOL (DANIELS AF8)	20	EA	
A7	CONTACT GAGE (DANIELS AF8)	3	EA	
A8	UNWIRED CONTACT REMOVAL TOOL W/ PROBES (DANIELS AF8)	1	EA	
A9	WIRE CUTTER (DANIELS AF8)	1	EA	
A10	WIRE STRIPPERS (DANIELS AF8)	2	EA	
A11	IN-SERVICE INSPECTION GAGE (DANIELS AF8)	1	EA	
A12	HEX WRENCH (DANIELS AF8)	1	EA	
A13	STRAP WRENCH (DANIELS AF8)	1	EA	
A14	ADAPTOR TOOLS (DANIELS AF8)	16	EA	
A15	T-HANDLE WRENCHES (DANIELS AF8)	2	EA	
A16	SOFT JAW PLIER (DANIELS AF8)	1	EA	
A17	CRIMP TOOL (DANIELS AF8)	2	EA	
A18	TURRET HEAD (DANIELS AF8)	2	EA	
A19	POSITIONER (DANIELS AF8)	1	EA	
A20	METAL INSERTION TOOL (DANIELS AF8)	4	EA	
A21	METAL REMOVAL TOOL (DANIELS AF8)	4	EA	
A22	PLASTIC INS/REM TOOL (DANIELS AF8)	20	EA	
A23	CONTACT GAGE (DANIELS AF8)	3	EA	
A24	UNWIRED CONTACT REMOVAL TOOL W/ PROBES (DANIELS AF8)	1	EA	
A25	WIRE CUTTER (DANIELS AF8)	1	EA	
A26	WIRE STRIPPERS (DANIELS AF8)	2	EA	
A27	IN-SERVICE INSPECTION GAGE (DANIELS AF8)	1	EA	
A28	HEX WRENCH (DANIELS AF8)	1	EA	
A29	STRAP WRENCH (DANIELS AF8)	1	EA	
A30	ADAPTOR TOOLS (DANIELS AF8)	16	EA	
A31	T-HANDLE WRENCHES (DANIELS AF8)	2	EA	
A32	SOFT JAW PLIER (DANIELS AF8)	1	EA	

Tools contained in this kit have been selected based upon their suitability to service the related connector or contact indicated. Military Standard tools have been utilized wherever possible. These tools are not necessarily the production tools used to manufacture the aircraft and therefore, these tools may or may not correspond to the tools listed in the OEM wiring manual and/or the Chapter 20 Standard Wiring Practices Manual list of approved tooling.

TOOL KIT CONFIGURATION	
Type of Case	Portable
Number of Cases	1
Color	Yellow
Type of Construction	Fiberglass/Aluminum
Application	Embraer EMB-312 Tucano
Coverage	Airframe Power Connectors
	Terminals size 12 AWG and Smaller
	Coaxial Connectors
Type of Inserts	Unicellular Polyethylene Foam with Die Cut Tool Cavities

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