

# **DMC603 WIRING SYSTEM SERVICE KIT**

## **For the McDonnell Douglas MD-500E & MD-530F**



### **THE MAINTENANCE PROBLEM...**

Modern aircraft, such as the MD-500E & MD-530F, 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 MD-500E & MD-530F.

**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 DMC603 kit supplies your staff with both the information and the tools necessary to make this type of repair to the MD-500E & MD-530F in the shortest time possible.

### **THE DMC SOLUTION...**

**TOOLING RESEARCH.** DMC has already researched the list of connectors for the MD-500E & MD-530F and has identified the most common tools required to maintain the electrical connectors in the MD-500E & MD-530F. DMC has cross referenced tools to the connectors, contacts and terminals eliminating costly and time-consuming research which would otherwise have to be performed by your local technicians.

**IMMEDIATE AVAILABILITY OF TOOLS AND TECHNICAL INFORMATION.** The DMC603 kit contains the tooling to connector, contact and terminal cross reference information which indicate the particular tool(s) that should be selected to repair a specific connector, contact, or terminal. In addition, the kit also contains illustrated operating instructions for the required tooling.

**ALL IN ONE.** Since 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. Tool kit supplied in an environmentally sealed fiberglass case and includes: Name Plate, Foam Pads/Inserts, Contents Charts, Instruction Charts, and Tool Selection Charts.



Actual Kit may vary from example shown.














**DMC603**

**DMC** DANIELS  
MANUFACTURING  
CORPORATION®

DANIELS MANUFACTURING CORP., 526 THORPE ROAD, ORLANDO, FL 32824, USA  
PHONE (407) 855-6161 • FAX (407) 855-6884 • [www.DMCTools.com](http://www.DMCTools.com) • E-MAIL: [DMC@DMCTools.com](mailto:DMC@DMCTools.com)

# DMC603 WIRING SYSTEM SERVICE KIT

## For the McDonnell Douglas MD-500E & MD-530F

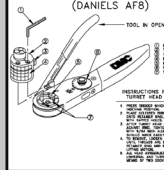
DMC603 TOOL AND ACCESSORY LIST		
	2	Crimp Tools
	5	Turret Heads
	7	Metal Insertion Tools
	10	Metal Removal Tools
	1	Metal Ins/Rem Tool
	15	Plastic Ins/Rem Tools
	2	Contact gages
	1	In-Service Inspection Gage
	1	Die Removal Tool
	1	Hex Wrench
	1	Wire Harness Spoon
	1	Wire Cutter
	1	Wire Stripper

DMC603 CONNECTOR COVERAGE	
MANUFACTURER	SERIES
MIL-DTL-26482	1
MIL-T-7928	Insulated Terminals and Splices
Tyco/AMP	PIDG
Caton	MMC
Deutsch	TB
ITT Cannon	CA-F80, KPT, KPTM
Viking	VR
Winchester	MRAC, XAC Series

### DATA PACKAGE

TOOL/ACCESSORY INSTRUCTION SHEET

M22520/1-01 CRIMP TOOL  
(DANIELS AFB)



**INSTRUCTIONS FOR OPERATION**

1. TOOL MUST BE OPENED FIRST
2. WIRE MUST BE PLACED IN THE CENTER OF THE CRIMPING ANVILS
3. HANDLE MUST BE TURNED TO THE RIGHT UNTIL THE CRIMPING ANVILS ARE FULLY ENGAGED
4. THE CRIMPING ANVILS WILL CRIMP THE WIRE
5. THE CRIMPING ANVILS WILL RETURN TO THE OPEN POSITION
6. THE CRIMPING ANVILS WILL CRIMP THE WIRE
7. THE CRIMPING ANVILS WILL RETURN TO THE OPEN POSITION
8. THE CRIMPING ANVILS WILL CRIMP THE WIRE
9. THE CRIMPING ANVILS WILL RETURN TO THE OPEN POSITION
10. THE CRIMPING ANVILS WILL CRIMP THE WIRE
11. THE CRIMPING ANVILS WILL RETURN TO THE OPEN POSITION
12. THE CRIMPING ANVILS WILL CRIMP THE WIRE
13. THE CRIMPING ANVILS WILL RETURN TO THE OPEN POSITION
14. THE CRIMPING ANVILS WILL CRIMP THE WIRE
15. THE CRIMPING ANVILS WILL RETURN TO THE OPEN POSITION
16. THE CRIMPING ANVILS WILL CRIMP THE WIRE
17. THE CRIMPING ANVILS WILL RETURN TO THE OPEN POSITION
18. THE CRIMPING ANVILS WILL CRIMP THE WIRE
19. THE CRIMPING ANVILS WILL RETURN TO THE OPEN POSITION

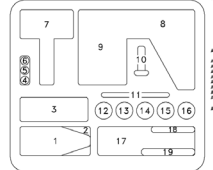
M22520/2-01 CRIMP TOOL  
(DANIELS AFM8)

POSITIONER SELECTOR SWITCH

DATE/PLATE

CONTENTS CHART

COMPARTMENT A



CONTENTS CHART

ITEM	DESCRIPTION	QTY	UNIT	DATE	BY	REVISION
7	40-112 (MIL) WIRE STRIPPER	2	EA			
8	40-112 (MIL) WIRE STRIPPER	2	EA			
9	40-112 (MIL) WIRE STRIPPER	2	EA			
10	40-112 (MIL) WIRE STRIPPER	2	EA			
11	40-112 (MIL) WIRE STRIPPER	2	EA			
12	40-112 (MIL) WIRE STRIPPER	2	EA			
13	40-112 (MIL) WIRE STRIPPER	2	EA			
14	40-112 (MIL) WIRE STRIPPER	2	EA			
15	40-112 (MIL) WIRE STRIPPER	2	EA			
16	40-112 (MIL) WIRE STRIPPER	2	EA			
17	40-112 (MIL) WIRE STRIPPER	2	EA			
18	40-112 (MIL) WIRE STRIPPER	2	EA			
19	40-112 (MIL) WIRE STRIPPER	2	EA			

Actual Charts and Sheets may vary from examples shown.

TOOL KIT CONFIGURATION	
Type of Case	Portable
Number of Cases	1
Color	Yellow
Type of Construction	Fiberglass/Aluminum
Application	MD-500E & MD-530F
Coverage	Airframe Power Connectors
	Terminals size 12 AWG and Smaller
	Coaxial Connectors
Type of Inserts	Unicellular Polyethylene Foam with Die Cut Tool Cavities

**NOTICE:** Unless otherwise stated by DMC; 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. Verification Is Required.