

# DMC787B WIRING SYSTEM SERVICE KIT

## For the ARMY BLACK HAWK HELICOPTER



### THE MAINTENANCE PROBLEM...

Modern aircraft, such as the Black Hawk, 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 Black Hawk.

**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 loss of mission capability due to AOG. The DMC787B kit supplies your staff with both the information and the tools necessary to make this type of repair to the Black Hawk in the shortest time possible.

### THE DMC SOLUTION...

**TOOLING RESEARCH.** DMC has already researched the list of connectors for the Black Hawk and has identified the most common tools required to maintain the electrical connectors in the Black Hawk. 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 DMC787B kit contains all of the tooling to connector, contact and terminal cross reference information needed to support the Black Hawk. In addition, the DMC787B 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 Black Hawk to service.























**DMC787B**

**DMC** DANIELS  
MANUFACTURING  
CORPORATION

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# DMC787B WIRING SYSTEM SERVICE KIT

## For the ARMY BLACK HAWK HELICOPTER

DMC787B TOOL & ACCESSORY LIST		
	5	Crimp Tools
	6	Turret Heads
	17	Positioners
	8	Metal Insertion Tools
	13	Metal Removal Tools
	31	Plastic Ins/Rem Tools
	4	Contact gages
	1	Unwired Contact Removal Tool w/ Probes
	1	Wire Cutter
	2	Wire Strippers
	1	Strap Wrench w/ Spare Strap
	1	In-Service Inspection Gage
	1	Die Removal Tool
	8	Die Sets
	1	Hex Wrench
	3	Coaxial Cable Stripper
	1	Soft Jaw Plier
	1	Illuminated Magnifier
	7	Trim Jigs
	1	Trim Tool Kit


DMC787B CONNECTOR COVERAGE	
MANUFACTURER	SERIES
MIL-C-24308	Rack & Panel
MIL-C-26482	Series 1 & 2
MIL-C-26500	Firewall Connectors
MIL-C-28804	Rectangular
MIL-C-38999	Series 1, 2, & 3
MIL-C-5015	3100, 3450 Series
MIL-C-81511	Series 3
MIL-C-81703	Series 1
MIL-C-83723	Series 3
MIL-C-83733	Rack & Panel
MIL-S-81824	Environmental Splices
MIL-T-7928	Insulated Terminals/Splices
MIL-T-81714	Terminal Junctions
Dept. of Defense	ONO89559, 89560, 89561
Deutsch	Common Termination Series
ITT Cannon	D*C/D*U, D*M, D*MA, DPAMA, DPK, DPX2MA Series
Litton-Aero	D-Sub Connectors
Matrix Science	MRTB Series
Rockwell International	Thin-Line I
MIL-C-39012	RF-Coaxial
Amphenol RF	RF-Coaxial
Kings Electronics	RF-Coaxial
Trompeter	RF Twinaxial/Triaxial

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	Black Hawk Helicopters
Coverage	Airframe Power Connectors
	Terminals size 12 AWG and Smaller
	Coaxial Connectors
Type of Inserts	Unicellular Polyethylene Foam with Die Cut Tool Cavities

### DATA PACKAGE

**TOOL/ACCESSORY INSTRUCTION SHEET**



M22520/1-01 CRIMP TOOL (DANIELS AFB)

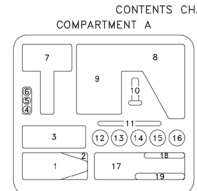
TOOL IN OPEN POSITION

INSTRUCTIONS FOR GUARANTY SERVICE:

1. THIS TOOL IS DESIGNED TO CRIMP 12 AWG TO 18 AWG WIRE.
2. THE TOOL IS NOT TO BE USED ON WIRE OF OTHER GAUGES.
3. THE TOOL IS NOT TO BE USED ON WIRE OF OTHER MATERIALS.
4. THE TOOL IS NOT TO BE USED ON WIRE OF OTHER TYPES.
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**CONTENTS CHART**

COMPARTMENT A



**CONTENTS CHART**

ITEM	DESCRIPTION
1	M22520/1-01 CRIMP TOOL
2	M22520/2-01 CRIMP TOOL
3	M22520/3-01 CRIMP TOOL
4	M22520/4-01 CRIMP TOOL
5	M22520/5-01 CRIMP TOOL
6	M22520/6-01 CRIMP TOOL
7	M22520/7-01 CRIMP TOOL
8	M22520/8-01 CRIMP TOOL
9	M22520/9-01 CRIMP TOOL
10	M22520/10-01 CRIMP TOOL
11	M22520/11-01 CRIMP TOOL
12	M22520/12-01 CRIMP TOOL
13	M22520/13-01 CRIMP TOOL
14	M22520/14-01 CRIMP TOOL
15	M22520/15-01 CRIMP TOOL
16	M22520/16-01 CRIMP TOOL
17	M22520/17-01 CRIMP TOOL
18	M22520/18-01 CRIMP TOOL
19	M22520/19-01 CRIMP TOOL

**SELECTION CHART**

CONNECTOR	TOOL	DESCRIPTION
MIL-C-24308	M22520/1-01	CRIMP TOOL
MIL-C-26482	M22520/2-01	CRIMP TOOL
MIL-C-26500	M22520/3-01	CRIMP TOOL
MIL-C-28804	M22520/4-01	CRIMP TOOL
MIL-C-38999	M22520/5-01	CRIMP TOOL
MIL-C-5015	M22520/6-01	CRIMP TOOL
MIL-C-81511	M22520/7-01	CRIMP TOOL
MIL-C-81703	M22520/8-01	CRIMP TOOL
MIL-C-83723	M22520/9-01	CRIMP TOOL
MIL-C-83733	M22520/10-01	CRIMP TOOL
MIL-S-81824	M22520/11-01	CRIMP TOOL
MIL-T-7928	M22520/12-01	CRIMP TOOL
MIL-T-81714	M22520/13-01	CRIMP TOOL
ONO89559, 89560, 89561	M22520/14-01	CRIMP TOOL
Deutsch	M22520/15-01	CRIMP TOOL
ITT Cannon	M22520/16-01	CRIMP TOOL
Litton-Aero	M22520/17-01	CRIMP TOOL
Matrix Science	M22520/18-01	CRIMP TOOL
Rockwell International	M22520/19-01	CRIMP TOOL
MIL-C-39012	M22520/20-01	CRIMP TOOL
Amphenol RF	M22520/21-01	CRIMP TOOL
Kings Electronics	M22520/22-01	CRIMP TOOL
Trompeter	M22520/23-01	CRIMP TOOL