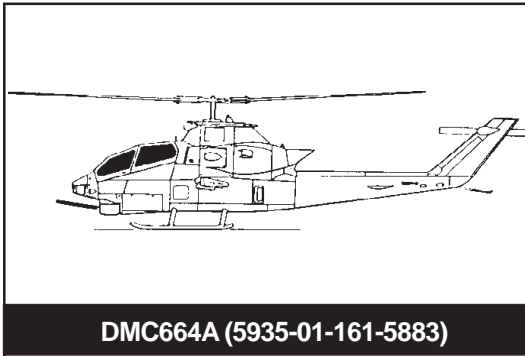


# MAINTENANCE KITS

FOR ELECTRICAL CONNECTORS  
AND WIRING SYSTEMS



## THE MAINTENANCE PROBLEM...

Modern Military aircraft have complicated electrical wiring systems containing many different connectors, contacts and terminals, the repair of which require precision tools. It is not mission 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 U.S. Army Helicopter Fleet.

**AOG TIME CONSTRAINTS.** The rapid deployment required today makes it absolutely essential that battle-damaged aircraft be returned to service in the shortest time possible. The DMC664A Connector Repair Kit was developed to facilitate the rapid repair of battle-damaged electrical connectors, supplying your staff with both the information and the tools necessary to make this type of repair to the U.S. Army Helicopter Fleet in the shortest time possible.

## THE DMC SOLUTION...

**TOOLING RESEARCH.** DMC has already researched the wiring manuals of the U.S. Army Helicopter Fleet and has identified the most common tools required to maintain the electrical connectors. 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 DMC664A kit contains all of the tooling to connector, contact and terminal cross reference information needed to support the U.S. Army Helicopter Fleet. More importantly, the 664A Connector Repair Kit contains stand-alone, illustrated instructions sheets on how to use all the tools which it contains.

**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 U.S. Army Helicopter to service.

The DMC 664A Connector Repair Kit - an indispensable component of the Army's battle-damage repair system!



Actual Kit may vary from example shown.

Tool kit supplied in an environmentally sealed fiberglass case and includes; Name Plate, Foam Pads/Inserts, Contents Charts, Instruction Charts, and Tool Selection Charts.

**DMC664A**

**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 • E-MAIL: DMC@DMCTOOLS.COM

# MAINTENANCE KIT FOR THE U.S. ARMY HELICOPTER FLEET



## DMC664A TOOL AND ACCESSORY LIST

	4	CONTACT GAGES
	4	CRIMP TOOLS
	9	TURRET HEADS
	1	SINGLE POSITION HEAD
	21	POSITIONERS
	8	DIE SETS
	11	INSERTION TOOLS
	19	REMOVAL TOOL
	1	SPECIAL REMOVAL TOOL
	8	PROBES
	35	INSERTION/REMOVAL TOOLS
	1	INSPECTION GAGE
	2	WIRE STRIPPER HANDLE
	6	BLADE SETS
	1	WIRE CUTTER
	1	DIE REMOVAL TOOL
	1	UNIVERSAL TURRET HEAD
	2	MODULE REMOVAL TOOL
	2	TOOL SET ASSEMBLY
	1	TRIM TOOL KIT
	1	JACKET TRIM JIG
	1	DIELECTRIC TRIM JIG
	1	9/64" HEX WRENCH
	3	COAXIAL CABLE STRIPPER
	1	STRAP WRENCH
	1	SOFT JAW PLIER
	1	NUT DRIVER 1/4"
	1	ILLUMINATED MAGNIFIER
	1	SCALE WITH WIRE GAUGE

## DMC664A CONNECTOR COVERAGE

MANUFACTURER	SERIES
MIL-C-5015	SERIES MS3100, MS3450
MIL-T-7928	INSULATED/UNINSULATED TERMINALS/ SPLICES
MIL-S-12883	RELAYS
MIL-C-22992	HEAVY DUTY CONNECTOR
MIL-C-24308	D-SUBMINIATURE CONNECTORS
MIL-C-26482	SERIES I & II
MIL-C-26500	FIREWALL CONNECTORS
MIL-C-28748	RECTANGULAR RACK & PANEL CONNECTORS
MIL-C-28804	RECTANGULAR RACK & PANEL CONNECTORS
MIL-C-38999	SERIES I, II, III & IV
MIL-C-55302	WIRING BOARDS
MIL-C-81511	SERIES IV
MIL-C-81703	SERIES I, II & III
MIL-C-81714	TERMINAL JUNCTIONS
MIL-C-83723	SERIES I, II & III
DOD SPECIFICATION	AIMS SERIES
AIRBORN	WTK SERIES
APPLETON ELECTRONICS	RELAYS
BENDIX	SERIES BT-M, JT, PT & PT-CE
ITT CANNON	SERIES CA, CV3450, D*M, D*MA, DPX2ME, DPE, DPJM & KJL
MATRIX SCIENCE	"944" SERIES
TRW CINCH	"300" SERIES
VIKING	RELAY SOCKETS (MIL-R-6106)
WINCHESTER	"MRAC" & "XAC"
MIL-A-9177A	AUDIO CONNECTOR
MIL-C-39012	"N" SERIES RF-COAXIAL "C" SERIES RF-COAXIAL "BNC" SERIES RF-COAXIAL "TNC" SERIES RF-COAXIAL "SMA" SERIES RF-COAXIAL "UG" SERIES ADAPTORS
AMPHENOL RF	"BNC" SERIES, "HN" SERIES, "N" SERIES, "SMA" SERIES, "DM" SERIES
KINGS ELECTRONICS	"KA" SERIES, "TNC" SERIES RF- COAXIAL, "KC" SERIES RF- COAXIAL & "KD" SERIES RF- COAXIAL
RAYCHEM	"748" SERIES, "482" SERIES & "723" SERIES

DANIELS MANUFACTURING CORP., 526 THORPE ROAD, ORLANDO, FL 32824, USA  
PHONE (407) 855-6161 • FAX (407) 855-6884 • WWW.DMCTOOLS.COM • E-MAIL: DMC@DMCTOOLS.COM

# MAINTENANCE KIT FOR THE U.S. ARMY HELICOPTER FLEET



TOOL KIT CONFIGURATION	
TYPE OF CASE	PORTABLE / ENVIRONMENTAL
NUMBER OF CASES	1
COLOR	YELLOW
TYPE OF CONSTRUCTION	FIBERGLASS/ALUMINUM
APPLICATION	U.S. ARMY HELICOPTER FLEET
COVERAGE	AIRFRAME CONNECTORS, TERMINALS SIZE 12 AWG AND SMALLER, AND COAXIAL CONNECTORS
TYPE OF INSERTS	UNICELLULAR POLYETHELENE FOAM W/ DIECUT TOOL CAVITIES

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.

## DATA PACKAGE

The data package includes the following components:

- TOOL/ACCESSORY INSTRUCTION SHEET:** Contains two pages for crimp tools:
  - M22520/1-01 CRIMP TOOL (DANIELS AF8):** Includes a diagram of the tool in its open position and detailed instructions.
  - M22520/2-01 CRIMP TOOL (DANIELS AF48):** Includes a diagram of the tool in its closed position and detailed instructions.
- CONTENTS CHART:** A table listing the tools and accessories included in the kit, with columns for item number, description, and quantity.
- SELECTION CHART:** A table used to select the appropriate tool for a specific connector or terminal type, with columns for connector type, terminal size, and tool selection.