

# DMC491 WIRING SYSTEM SERVICE KIT

## For the BELL 212/412



### THE MAINTENANCE PROBLEM...

Modern aircraft, such as the BELL 212/412, 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 BELL 212/412.

**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 DMC491 kit supplies your staff with both the information and the tools necessary to make this type of repair to the BELL 212/412 in the shortest time possible.

### THE DMC SOLUTION...

**TOOLING RESEARCH.** DMC has already researched the list of connectors for the BELL 212/412 and has identified the most common tools required to maintain the electrical connectors. 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 DMC491 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.















**DMC491**

**DMC** DANIELS  
MANUFACTURING  
CORPORATION

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# DMC491 WIRING SYSTEM SERVICE KIT

## For the BELL 212/412

DMC491 TOOL AND ACCESSORY LIST		
	3	Crimp Tools
	4	Turret Heads
	6	Positioners
	5	Die Sets
	10	Metal Insertion Tools
	10	Metal Removal Tools
	54	Plastic Ins/Rem Tools
	4	Contact gages
	2	Unwired Contact Removal Tools w/ Probes
	1	Wire Cutter
	4	Wire Strippers
	1	In-Service Inspection Gage
	1	Die Removal Tool
	1	Hex Wrench

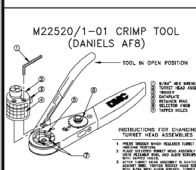
DMC491 CONNECTOR COVERAGE	
MANUFACTURER	SERIES
MIL-C-24308	Rectangular
MIL-C-26482	Series 2
MIL-C-39012	RF Coaxial
MIL-C-5015	3450 Series
MIL-C-38999	Series 2
MIL-C-83723	Series 3
Bell Helicopter Standards	RF Coaxial
Amphenol/Bendix	RF Coaxial
Deutsch	DS Series
ITT Cannon	DPX*MA Series
Kings Electronics	RF Coaxial
Leach Relays	JL Series
Ted Manufacturing	RF Coaxial
Walter Kidde	Fire Detection Connectors
Winchester Electronics	MRE Series

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.

TOOL KIT CONFIGURATION	
Type of Case	Portable
Number of Cases	1
Color	Yellow
Type of Construction	Fiberglass/Aluminum
Application	BELL 212/412
Coverage	Airframe Power Connectors
	Terminals size 12 AWG and Smaller
	Coaxial Connectors
Type of Inserts	Unicellular Polyethylene Foam with Silhouetted Tool Cavities

### DATA PACKAGE

TOOL/ACCESSORY INSTRUCTION SHEET

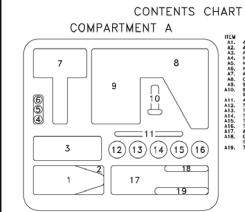


M22520/1-01 CRIMP TOOL (DANIELS AFB)

M22520/2-01 CRIMP TOOL (DANIELS AFWS)

CONTENTS CHART

COMPARTMENT A



CONTENTS CHART

SELECTION CHART

ITEM	DESCRIPTION	QUANTITY	UNIT	REMARKS
A1	45-112 (200) WIRE CRIMPERS	3	EA	
A2	45-112 (200) WIRE CRIMPERS	4	EA	
A3	45-112 (200) WIRE CRIMPERS	6	EA	
A4	45-112 (200) WIRE CRIMPERS	10	EA	
A5	45-112 (200) WIRE CRIMPERS	54	EA	
A6	45-112 (200) WIRE CRIMPERS	4	EA	
A7	45-112 (200) WIRE CRIMPERS	2	EA	
A8	45-112 (200) WIRE CRIMPERS	4	EA	
A9	45-112 (200) WIRE CRIMPERS	1	EA	
A10	45-112 (200) WIRE CRIMPERS	1	EA	
A11	45-112 (200) WIRE CRIMPERS	1	EA	
A12	45-112 (200) WIRE CRIMPERS	1	EA	
A13	45-112 (200) WIRE CRIMPERS	1	EA	
A14	45-112 (200) WIRE CRIMPERS	1	EA	
A15	45-112 (200) WIRE CRIMPERS	1	EA	
A16	45-112 (200) WIRE CRIMPERS	1	EA	
A17	45-112 (200) WIRE CRIMPERS	1	EA	
A18	45-112 (200) WIRE CRIMPERS	1	EA	
A19	45-112 (200) WIRE CRIMPERS	1	EA	

Actual Charts and Sheets may vary from examples shown.