

# DMC2231 WIRING SYSTEM SERVICE KIT

## For the Bell 505 JET RANGER



**DMC2231 for the Bell 505  
Jet Ranger**

### THE MAINTENANCE PROBLEM...

Modern aircraft, such as the Bell 505 Jet Ranger, 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 505 Jet Ranger.

**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 DMC2231 kit supplies your staff with both the information and the tools necessary to make this type of repair to the Bell 505 Jet Ranger in the shortest time possible.

### THE DMC SOLUTION...

**TOOLING RESEARCH.** DMC has already researched the list of connectors for the Bell 505 Jet Ranger 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 DMC2231 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 2 environmentally sealed Polypropylene Copolymer cases and includes: Name Plate, Foam Pads/Inserts, Contents Charts, Instruction Charts, and Tool Selection Charts.



Actual Kit may vary from example shown.



















**DMC2231**

**DMC** DANIELS  
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DMC2231 TOOL AND ACCESSORY LIST		
	6	Crimp Tools
	4	Turret Heads
	1	Universal Turret Head
	11	Positioners
	1	Universal Positioner
	6	Die Sets
	8	Metal Insertion Tools
	8	Metal Removal Tools
	35	Plastic Ins/Rem Tools
	3	Contact gages
	3	Unwired Contact Removal Tools w/ Probes
	1	Wire Cutter
	2	Wire Strippers
	1	In-Service Inspection Gage
	1	Die Removal Tool
	1	Hex Wrench
	1	Wire Harness Spoon
	4	Coaxial Cable Strippers
	100	Sealing plugs
	1	Heat Gun
	1	Reflector Nozzle (9mm)
	1	Reduction Nozzle (9mm)

DMC2231 CONNECTOR COVERAGE	
MANUFACTURER	SERIES
AS50151	"3450"
AS81714	Terminal Junction System
MIL-DTL-26482	Series 2
MIL-DTL-38999	Series 2 and 3
MIL-S-12883	Relay Sockets
MS25036	Insulated Terminals
MS20659	Uninsulated Terminals
Amphenol Aero	2M
Amphenol Connex	TNC
Amphenol Industrial	PT/PT-SE
Amphenol PCD	SJE, SJS
Amphenol RF	BNC
Deutsch	EN2997
Esterline	Korry Switchers
Garmin	Various
Glenair	Mighty Mouse
Radiall	BNC
Raychem	Splices
Souriau	8D
TE Connectivity	Splice Sealing System, Ultra Fast .187

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	2
Color	Yellow
Type of Construction	Polypropylene Copolymer
Application	Bell 505
Coverage	Airframe Power Connectors
	Terminals size 16 AWG and Smaller
	Coaxial Connectors
Type of Inserts	Unicellular Polyethylene Foam with Silhouetted Tool Cavities