

# DMC1658 WIRING SYSTEM SERVICE KIT

## For the RQ-4 Global Hawk



### THE MAINTENANCE PROBLEM...

Modern unmanned aircraft, such as the RQ-4 Global Hawk, have complicated electrical wiring systems containing many different connectors, contacts and terminals, the repair of which require precision tools.

### THE DMC SOLUTION...

#### IMMEDIATE AVAILABILITY OF TOOLS AND TECHNICAL INFORMATION.

DMC Wiring System Service Kits provide, in a single, well organized location, the tools necessary to strip, crimp, install and remove the typical contacts and terminals of this wiring system. The DMC1658 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 UAV to service. Tool kit supplied in 3 environmentally sealed polypropylene copolymer Pelican cases and includes: Name Plate, Foam Pads/Inserts, Contents Charts, Instruction Charts, and Tool Selection Charts.

NOTICE: Whenever possible, DMC designs its commercial kits around MIL-Spec and/or readily available commercial tools compatible with the components of the wiring system. These tools may not necessarily be the tools listed in an aircraft manufacturer's Chapter 20.



Actual Kit may vary from example shown.


















**DMC1658**

**DMC** DANIELS  
MANUFACTURING  
CORPORATION

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# DMC1658 WIRING SYSTEM SERVICE KIT

## For the RQ-4 Global Hawk

DMC1658 TOOL AND ACCESSORY LIST		
	7	Crimp Tools
	3	Turret Heads
	9	Positioners
	3	Die Sets
	11	Metal Insertion Tools
	16	Metal Removal Tools
	41	Plastic Ins/Rem Tools
	4	Contact gages
	2	In-Service Inspection Gage
	1	Die Removal Tool
	1	Hex Wrench
	1	Wire Harness Spoon
	1	1/4" Banding Tool
	1	Band Removal Tool
	1	Band Tool Calibration Fixture
	1	Tension Adjustment Wrench
	1	Roll-Over Tool
	10	1/4" Terminating Bands
	1	Large Gage Pneumatic Crimp Tool
	8	Die Assemblies (4) and Locators (4)

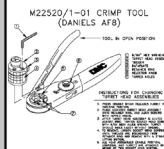
DMC1658 CONNECTOR COVERAGE	
MANUFACTURER	SERIES
AS50151	3450
MIL-DTL-24308	D-SUB
MIL-DTL-26482	I & II
MIL-C-26500	Firewall Connectors
MIL-PRF-38999	I, II, III, IV
MIL-DTL-83723	III
MIL-S-12883	Relay Sockets
MIL-S-81824	Environmental Splices
MIL-T-7928	Insulated & Uninsulated Terminals
Amphenol	TV
Burndy	Bantam (Trim-Trio)
ITT Cannon	D*MAM
Rockwell Collins	Thin-Line II
Trompeter	150/3150 TRS/TRM
Tyco/Amp	PIDG, FASTON

TOOL KIT CONFIGURATION	
Type of Case	Portable
Number of Cases	3
Color	Black
Type of Construction	Polypropylene Copolymer
Application	RQ-4 Global Hawk
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.

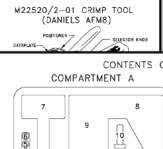
**DATA PACKAGE**

TOOL/ACCESSORY INSTRUCTION SHEET

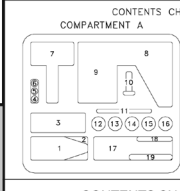


M22520/1-01 CRIMP TOOL (DANIELS AF8)

M22520/2-01 CRIMP TOOL (DANIELS AFM8)

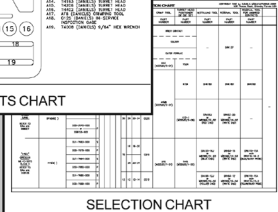


CONTENTS CHART



CONTENTS CHART

SELECTION CHART



Actual Charts and Sheets may vary from examples shown.