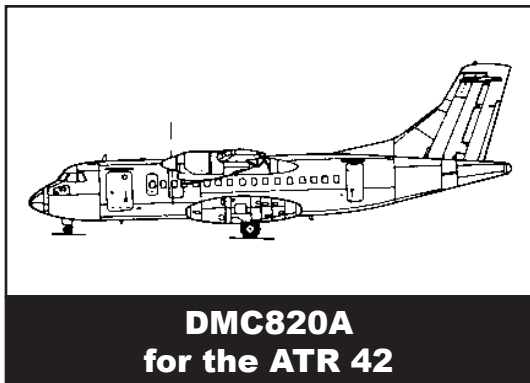


# DMC820A WIRING SYSTEM SERVICE KIT

## For the ATR 42



### THE MAINTENANCE PROBLEM...

Modern aircraft, such as the ATR 42, 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 ATR 42.

**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 DMC820A kit supplies your staff with both the information and the tools necessary to make this type of repair to the ATR 42 in the shortest time possible.

### THE DMC SOLUTION...

**TOOLING RESEARCH.** DMC has already researched the list of connectors for the ATR 42 and has identified the most common tools required to maintain the electrical connectors in the ATR 42. 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 DMC820A kit contains all of the tooling to connector, contact and terminal cross reference information needed to support the ATR 42. In addition, the DMC820 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 ATR 42 to service. Tool kit supplied in 2 environmentally sealed fiberglass cases and includes: Name Plate, Foam Pads/Inserts, Contents Charts, Instruction Charts, and Tool Selection Charts.















**DMC820A**

**DMC** DANIELS  
MANUFACTURING  
CORPORATION

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# DMC820A WIRING SYSTEM SERVICE KIT

## For the ATR 42

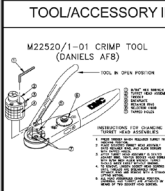
DMC820A TOOL AND ACCESSORY LIST		
	10	Crimp Tools
	5	Turret Heads
	12	Positioners
	16	Metal Insertion Tools
	22	Metal Removal Tools
	52	Plastic Ins/Rem Tools
	2	Unwired Contact Removal Tools w/ Probes
	1	In-Service Inspection Gage
	1	Die Removal Tool
	6	Die Sets
	1	Hex Wrench
	3	Strap Wrenches
	2	Spare Straps

DMC820A CONNECTOR COVERAGE	
MANUFACTURER	SERIES
Aerospatiale	Poke-Home, ARINC 600, Two Pole/Three Pole Switches, Terminal Block Modules, Mini Bayonet
AMP (TYCO)	Amplimite Type D, Terminal Lugs/Splices (Insulated), "BNC", "C", "N", "RME", "TNC", NSA936803 High Temperature Splices, "PIDG" Stratotherm Pre-Insulated Terminals
Amphenol	"418", "48" Series
ARINC 600	Rack and Panel
Bendix	"LJT" Series
Deutsch	TerminalBlock Modules, "ADS/DS", "DBA30/FDBA", "951", "992" Series
Flight Connector	"FC/FH/FZH" Series
ITT Cannon	"D*MA", "DPA", "DPX", "DPX*MA", "KJL" "PVW" Series
Pyle National	"ZZ" Series
Socapex (Amphenol)	"LJT", "45" Series
Souriau	"851", "852", "892" Series
MIL-C-26482	Series 1
MIL-C-26500	Bayonet or Threaded Coupling

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.

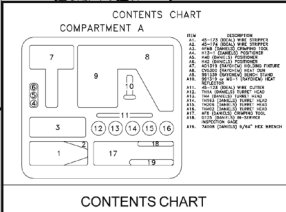
### DATA PACKAGE

**TOOL/ACCESSORY INSTRUCTION SHEET**



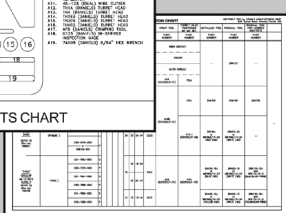
M22520/1-01 CRIMP TOOL (DANIELS AFB)

**CONTENTS CHART**



CONTENTS CHART

**SELECTION CHART**



SELECTION CHART

TOOL KIT CONFIGURATION	
Type of Case	Portable
Number of Cases	2
Color	Yellow
Type of Construction	Fiberglass
Application	ATR 42
Coverage	Airframe Power Connectors
	Terminals size 12 AWG and Smaller
	Coaxial Connectors
Type of Inserts	Unicellular Polyethylene Foam with Die Cut Tool Cavities