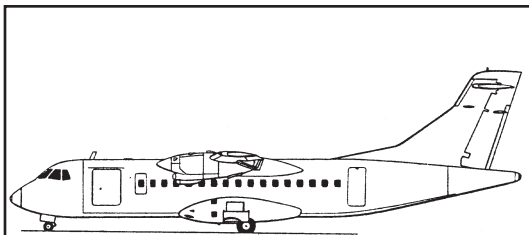


# **DMC899 ATR-42/72 MAINTENANCE KIT** **For Electrical Connectors and Wiring Systems**



## **DMC899 for the ATR-42/72**

### **THE MAINTENANCE PROBLEM...**

Modern aircraft, such as the ATR-42/72, 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-42/72.

**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 DMC899 kit supplies your staff with both the information and the tools necessary to make this type of repair to the ATR-42/72 in the shortest time possible.

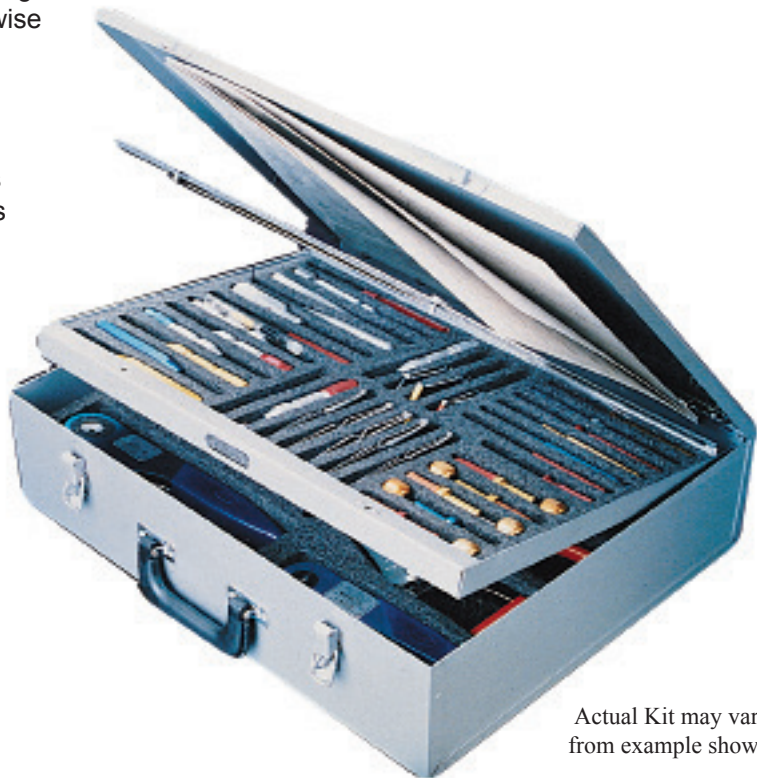
### **THE DMC SOLUTION...**

**TOOLING RESEARCH.** DMC has already researched the list of connectors for the ATR-42/72 and has identified the most common tools required to maintain the electrical connectors in the ATR-42/72. 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 DMC899 kit contains all of the tooling to connector, contact and terminal cross reference information needed to support the ATR-42/72. In addition, the DMC899 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-42/72 to service.



Actual Kit may vary from example shown.

## **DMC899**



**DMC** **DANIELS**  
**MANUFACTURING**  
**CORPORATION** <sup>®</sup>

Tool kit supplied in 1 steel case and includes: Name Plate, Foam Pads/Inserts, Contents Charts, Instruction Charts, and Tool Selection Charts.

DANIELS MANUFACTURING CORP., 526 THORPE ROAD, ORLANDO, FL 32824, USA  
PHONE (407) 855-6161 • FAX (407) 855-6884 • [www.DMCTools.com](http://www.DMCTools.com) • E-MAIL: [DMC@DMCTools.com](mailto:DMC@DMCTools.com)

# DMC899 ATR-42/72 MAINTENANCE KIT

## For Electrical Connectors and Wiring Systems

DMC899 TOOL AND ACCESSORY LIST		
	3	Crimp Tools
	5	Turret Heads
	10	Positioners
	9	Metal Insertion Tools
	12	Metal Removal Tools
	66	Plastic Ins/Rem Tools
	3	Unwired Contact Removal Tools w/ Probes
	1	Wire Cutter
	2	Wire Strippers
	1	In-Service Inspection Gage
	1	Hex Wrench

DMC899 CONNECTOR COVERAGE	
MANUFACTURER	SERIES
AMP	RME
Deutsch	DS, DBA, FDBA, 951
Amphenol	48, 418
ITT Cannon	D*MA, DPA, DSX*MA, KJL, PVW
Bendix	LJT
Flight	FC/FH/FZ
Pyle National	ZZ
Socapex	45, LJT
Souriau	851, 852, 892
Arinc 600	Rack & Panel
MIL-C-26482	I
MIL-C-26500	Firewall Connectors

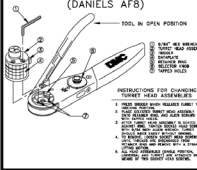
Tools contained in this kit have been selected based upon their suitability to service the related connector or contact indicated. Military Standard tools have been utilized wherever possible. These tools are not necessarily the production tools used to manufacture the aircraft and therefore, these tools 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.

TOOL KIT CONFIGURATION	
Type of Case	Portable
Number of Cases	1
Color	Grey
Type of Construction	Steel
Application	ATR-42/72
Coverage	Airframe Power Connectors
	Terminals size 12 AWG and Smaller
	Coaxial Connectors
Type of Inserts	Unicellular Polyethylene Foam with Die Cut Tool Cavities

### DATA PACKAGE

TOOL/ACCESSORY INSTRUCTION SHEET

M22520/1-01 CRIMP TOOL (DANIELS AF8)

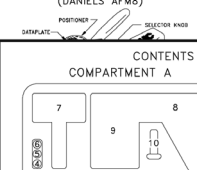


TOOL IN OPEN POSITION

PREPARATIONS FOR CURRENT TURRET HEAD ASSEMBLIES:

1. USE PROPER CRIMP TOOL
2. USE PROPER CRIMP POSITION
3. USE PROPER CRIMP FORCE
4. USE PROPER CRIMP ANGLE
5. USE PROPER CRIMP SPEED
6. USE PROPER CRIMP TEMPERATURE
7. USE PROPER CRIMP PRESSURE
8. USE PROPER CRIMP TIME
9. USE PROPER CRIMP LOCATION
10. USE PROPER CRIMP ALIGNMENT
11. USE PROPER CRIMP ORIENTATION
12. USE PROPER CRIMP DIRECTION
13. USE PROPER CRIMP SEQUENCE
14. USE PROPER CRIMP PATTERN
15. USE PROPER CRIMP SPACING
16. USE PROPER CRIMP OFFSET
17. USE PROPER CRIMP TOLERANCE
18. USE PROPER CRIMP CLEARANCE
19. USE PROPER CRIMP PROTECTION

M22520/2-01 CRIMP TOOL (DANIELS AFM8)

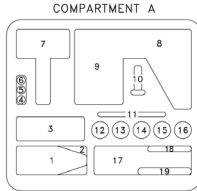


POSITIONER SELECTION KNIFE

DATA PLATE

CONTENTS CHART

COMPARTMENT A



CONTENTS CHART

ITEM	DESCRIPTION	QTY	UNIT	DATE	REVISION
7	M22520/1-01 CRIMP TOOL (DANIELS AF8)	3	EA		
8	M22520/2-01 CRIMP TOOL (DANIELS AFM8)	2	EA		
9	TURRET HEAD ASSEMBLY	5	EA		
10	POSITIONER	10	EA		
11	METAL INSERTION TOOL	9	EA		
12	METAL REMOVAL TOOL	12	EA		
13	PLASTIC INS/REM TOOL	66	EA		
14	UNWIRED CONTACT REMOVAL TOOL W/ PROBE	3	EA		
15	WIRE CUTTER	1	EA		
16	WIRE STRIPPERS	2	EA		
17	IN-SERVICE INSPECTION GAGE	1	EA		
18	HEX WRENCH	1	EA		
19	UNICELLULAR POLYETHYLENE FOAM WITH DIE CUT TOOL CAVITIES	1	EA		

SELECTION CHART

TOOL/ACCESSORY	QTY	UNIT	DATE	REVISION
M22520/1-01 CRIMP TOOL (DANIELS AF8)	3	EA		
M22520/2-01 CRIMP TOOL (DANIELS AFM8)	2	EA		
TURRET HEAD ASSEMBLY	5	EA		
POSITIONER	10	EA		
METAL INSERTION TOOL	9	EA		
METAL REMOVAL TOOL	12	EA		
PLASTIC INS/REM TOOL	66	EA		
UNWIRED CONTACT REMOVAL TOOL W/ PROBE	3	EA		
WIRE CUTTER	1	EA		
WIRE STRIPPERS	2	EA		
IN-SERVICE INSPECTION GAGE	1	EA		
HEX WRENCH	1	EA		
UNICELLULAR POLYETHYLENE FOAM WITH DIE CUT TOOL CAVITIES	1	EA		