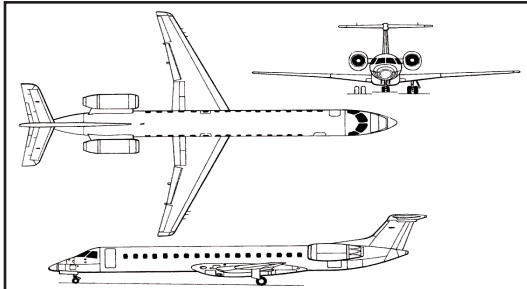


# DMC1974 WIRING SYSTEM SERVICE KIT

## For the Embraer 145 RS/AGS and AEW & C



**DMC1974 for the Embraer 145 RS/AGS and AEW & C**

### THE MAINTENANCE PROBLEM...

Modern aircraft, such as the Embraer 145 variants, 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 Embraer 145 variants.

**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 DMC1974 kit supplies your staff with both the information and the tools necessary to make this type of repair to the Embraer 145 variants in the shortest time possible.

### THE DMC SOLUTION...

**TOOLING RESEARCH.** DMC has already researched the list of connectors for the Embraer 145 variants 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 DMC1974 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 Polypoplene Copolymer cases and includes: Name Plate, Foam Pads/Inserts, Contents Charts, Instruction Charts, and Tool Selection Charts.



Actual Kit may vary from example shown.

**DMC1974**

**DMC** DANIELS  
MANUFACTURING  
CORPORATION

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)

# DMC1974 WIRING SYSTEM SERVICE KIT

## For the Embraer 145 RS/AGS and AEW & C

DMC1974 TOOL AND ACCESSORY LIST		
	8	Crimp Tools
	5	Turret Heads
	14	Positioners
	2	Single Position Heads
	19	Die Sets
	14	Metal Insertion Tools
	17	Metal Removal Tools
	71	Plastic Ins/Rem Tools
	4	Contact gages
	3	Unwired Contact Removal Tools w/ Probes
	1	Wire Cutter
	2	Wire Strippers
	3	Coaxial Cable Stripper
	1	In-Service Inspection Gage
	1	Die Removal Tool
	1	Hex Wrench
	1	Wire Harness Spoon

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.

DMC1974 CONNECTOR COVERAGE	
MANUFACTURER	SERIES
AS50151	3450
MIL-DTL-24308	Rack and Panel
MIL-DTL-26482	II
MIL-DTL-81659	II
MIL-DTL-83723	III
MIL-DTL-83733	Rack and Panel
MIL-PRF-38999	I, II, III, IV
MIL-PRF-39012	III
Amphenol Aerospace	PT
Amphenol PCD	RSE & SJM
Boeing	AN3116
Deutsch ECD	RE
ECS	RF Coaxial
ITT Cannon	BKAD, DPX2MA, CA-Bayonet
Leach International	JL
Radiall	DSX
Souriau (Burdy)	BANTAM
Trompeter	70/370, 150/3150, 450
TE Connectivity (Tyco)	MTE, Mini Rectangular, Modular Plugs
WPI/Viking	TNP

TOOL KIT CONFIGURATION	
Type of Case	Portable
Number of Cases	2
Color	Yellow
Type of Construction	Polypylene Copolymer
Application	Embraer 145 RS/AGS and AEW & C
Coverage	Airframe Power Connectors
	Terminals size 12 AWG and Smaller
	Coaxial Connectors
Type of Inserts	Unicellular Polyethylene Foam with Die Cut Tool Cavities

The following tools are required, but not supplied.  
Crimp Tools - 58336-1, 58074-1, 91526-1, 2-231652-8.  
Metal Removal Tools - 843477-1 and 457306-1.  
 Kits will have individual cavities for each tool.