

# DMC1570 WIRING SYSTEM SERVICE KIT

## For the EMB-314 SUPER TUCANO



### THE MAINTENANCE PROBLEM...

Modern aircraft, such as the EMB-314 Super Tucano, 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 EMB-314 Super Tucano.

**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 DMC1570 kit supplies your staff with both the information and the tools necessary to make this type of repair to the EMB-314 Super Tucano in the shortest time possible.

### THE DMC SOLUTION...

**TOOLING RESEARCH.** DMC has already researched the list of connectors for the EMB-314 Super Tucano 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 DMC1570 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.




















**DMC1570**

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DMC1570 TOOL AND ACCESSORY LIST		
	11	Crimp Tools
	6	Turret Heads
	1	Universal Turret Head
	8	Positioners
	1	Universal Positioner
	3	Single Position Heads
	3	Die Sets
	10	Metal Insertion Tools
	13	Metal Removal Tools
	1	Metal Ins/Rem Tool
	89	Plastic Ins/Rem Tools
	4	Contact gages
	3	Unwired Contact Removal Tools w/ Probes
	1	Wire Cutter
	4	In-Service Inspection Gages
	1	Die Removal Tool
	1	Hex Wrench
	1	Wire Harness Spoon
	3	Coaxial Cable Strippers

DMC1570 CONNECTOR COVERAGE	
MANUFACTURER	SERIES
AS5015	"3450"
AS81714	Terminal Junction System
MIL-C-81511	Series 3 and 4
MIL-C-81703	Series 3
MIL-DTL-26482	Series 2
MIL-DTL-24308	D-Subminiature
MIL-DTL-38999	Series 1, 2, 3 and 4
MIL-DTL-81659	Series 2
MIL-DTL-83723	Series 2 and 3
MIL-DTL-83733	Rectangular
MIL-S-12883	Relay Sockets
MIL-DTL-1549	Terminal Junctions
MIL-T-7928	Insulated/Uninsulated Terminals and Splices
Amphenol RF	BNC Coaxial
Artex	Leaf Locking Contacts
Eaton Corp	
Honeywell	
ITT Cannon	
Rockwell Collins	Thin Line
TE Connectivity	Splices
Trompeter	"450"

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	EMB-314
Coverage	Airframe Power Connectors
	Terminals size 12 AWG and Smaller
	Coaxial Connectors
Type of Inserts	Unicellular Polyethylene Foam with Silhouetted Tool Cavities