

# MAINTENANCE KITS

FOR ELECTRICAL CONNECTORS  
AND WIRING SYSTEMS



## THE MAINTENANCE PROBLEM...

Modern aircraft, such as the Gulfstream V, 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 Gulfstream V.

**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 DMC1253 kit supplies your staff with both the information and the tools necessary to make this type of repair to the Gulfstream V in the shortest time possible.

## THE DMC SOLUTION...

**TOOLING RESEARCH.** DMC has already researched the wiring manual of the Gulfstream V and has identified the most common tools required to maintain the electrical connectors in the Gulfstream V. 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 DMC1253 kit contains all of the tooling to connector, contact and terminal cross reference information needed to support the Gulfstream V. In addition, the DMC1253 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 Gulfstream V to service.



Actual Kit may vary from example shown.

Tool kit supplied in an environmentally sealed fiberglass case with tray and includes:  
Name Plate, Foam Pads/Inserts,  
Contents Charts, Instruction Charts,  
and Tool-to-Connector Cross  
Reference Charts.



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# MAINTENANCE KIT FOR GULFSTREAM V



## DMC1253 TOOL AND ACCESSORY LIST

	9	CRIMP TOOLS
	14	POSITIONERS
	1	UNIVERSAL POSITIONER
	6	TURRET HEADS
	1	UNIVERSAL TURRET HEAD
	3	SINGLE POSITION HEADS
	2	METAL INSERTION TOOLS
	5	METAL REMOVAL TOOLS
	125	PLASTIC INS/REM TOOLS
	4	CONTACT GAGES
	3	UNWIRED CONTACT REMOVAL TOOLS
	10	PROBES
	6	INSERTION TWEEZERS
	5	REMOVAL TWEEZERS
	1	WIRE CUTTER
	2	WIRE STRIPPERS
	3	COAXIAL CABLE STRIPPERS
	9	DIE SETS
	1	DIE REMOVAL TOOL
	1	HEX WRENCH
	1	IN SERVICE INSPECTION GAGE
	1	INSTALLING PLIERS
	2	MODULE REMOVAL TOOLS
	1	SOCKET MODULE REMOVAL TOOL
	1	RELAY EXTRACTION TOOL

## DMC1253 CONNECTOR COVERAGE

MANUFACTURER	SERIES
Aero Electric	AE556 SERIES
AMP	MATE-N-LOCK, RM SERIES, PIDG TERMINALS, WIRE CAPS
Amphenol/Bendix	BJ, BT-RA, JT, PT-CE SERIES
Collins	THIN-LINE SERIES
Deutsch	A*T, AFD, DBA, DG123, DL, ESC, 56004, 56007, 56008, COMMON TERMINATION SYSTEM
ECS	RF COAXIAL
ITT Cannon	BKAC/D/E, D*MA, DPX*NE SERIES
Korry	LIGHT ASSEMBLIES
Leach	RELAYS
Matrix Science	MB*, MT*, 944 SERIES
Positronics	MD SERIES
Raychem	ENVIRONMENTAL SPLICES, SOLDER SLEEVES
Trompeter	RF COAXIAL

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 AF8)

M22520/2-01 CRIMP TOOL (DANIELS AF8B)

CONTENTS CHART COMPARTMENT A

CONTENTS CHART

TOOL SELECTION CHART

## TOOL KIT CONFIGURATION

TYPE OF CASE	PORTABLE WITH TRAY
NUMBER OF CASES	1
COLOR	YELLOW
TYPE OF CONSTRUCTION	FIBERGLASS/ALUMINUM
APPLICATION	GULFSTREAM V
COVERAGE	AIRFRAME CONNECTORS, TERMINALS SIZE 12AWG AND SMALLER, AND COAXIAL CONNECTORS
TYPE OF INSERTS	UNICELLULAR POLYETHYLENE FOAM WITH DIE CUT TOOL CAVITIES

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