



### DMC1253 for the Gulfstream V Kit

NSN: 4920-01-671-1751

### GULFSTREAM V

The Gulfstream V/G500/G550 are long-range, large business jet aircraft that are designed for many diverse demands that require complex electrical wiring systems containing many different connectors, contacts and terminals. Proper maintenance and repair of these electrical systems require precision tools. To protect your investment, DMC offers a comprehensive maintenance kit to service the wiring systems of the Gulfstream V/G500/G550.

### DMC1253 MAINTENANCE KIT

The DMC1253 Gulfstream V/G500/G550 Wiring System Service Kit provides a turn-key solution and the tools necessary to strip, crimp, install and remove the typical contacts and terminals of this wiring system. The DMC1253 kit includes the tool to application cross-reference information that indicates the particular tool(s) that should be selected to repair a specific connector, contact, or terminal. The kit also contains illustrated operating instructions for the designated tooling.

### COMPREHENSIVE SOLUTION FOR MAINTENANCE AND REPAIR

DMC believes in providing a comprehensive, turn-key solution for electrical wire maintenance and repair. 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 one environmentally sealed case and includes: Name Plate, Foam Pads/Inserts, Contents Charts, Instruction Sheets, and Tool Selection Charts.

TOOL SELECTION CHART													
CONNECTOR SERIES AND TYPE	CONNECTOR PART NUMBER	CONTACT PART NUMBER	COLOR BAND	PINS	SIZE	WIRE GAUGE	CONTACT SIZE	INSTALLING TOOL	REMOVAL TOOL	REMOVAL TOOL FOR WIRELESS CONTACTS	PART NUMBER	PART NUMBER	PART NUMBER
M22520-1-01 CRIMP TOOL (DANIELS AF8)	M22520-1-01	M22520-1-01	RED	20	20-24	0020	0020	AF8	AF8	AF8	M22520/1-01	M22520/1-01	M22520/1-01
		M22520-1-02	RED	20	20-24	0020	0020	AF8	AF8	AF8	M22520/1-01	M22520/1-01	M22520/1-01
		M22520-1-03	RED	20	20-24	0020	0020	AF8	AF8	AF8	M22520/1-01	M22520/1-01	M22520/1-01
		M22520-1-04	RED	20	20-24	0020	0020	AF8	AF8	AF8	M22520/1-01	M22520/1-01	M22520/1-01
M22520-2-01 CRIMP TOOL (DANIELS AF8)	M22520-2-01	M22520-2-01	RED	16	16-18	0016	0016	AF8	AF8	AF8	M22520/2-01	M22520/2-01	M22520/2-01
		M22520-2-02	RED	16	16-18	0016	0016	AF8	AF8	AF8	M22520/2-01	M22520/2-01	M22520/2-01
		M22520-2-03	RED	16	16-18	0016	0016	AF8	AF8	AF8	M22520/2-01	M22520/2-01	M22520/2-01
		M22520-2-04	RED	16	16-18	0016	0016	AF8	AF8	AF8	M22520/2-01	M22520/2-01	M22520/2-01

### Tool Selection Charts



Actual Kit may vary from example shown.

#### M22520/1-01 CRIMP TOOL (DANIELS AF8)

**INSTRUCTIONS FOR CHANGING TURRET HEAD ASSEMBLIES**

1. PRESS TURRET HEAD RELEASE HANDLE TO THE RIGHT TO RELEASE TURRET HEAD ASSEMBLY FROM TOOL.
2. REMOVE TURRET HEAD ASSEMBLY FROM TOOL.
3. REMOVE TURRET HEAD ASSEMBLY FROM TOOL.
4. REMOVE TURRET HEAD ASSEMBLY FROM TOOL.
5. REMOVE TURRET HEAD ASSEMBLY FROM TOOL.

**INSTRUCTIONS FOR INSERTING TURRET HEAD ASSEMBLIES**

1. PRESS TURRET HEAD RELEASE HANDLE TO THE LEFT TO RELEASE TURRET HEAD ASSEMBLY FROM TOOL.
2. INSERT TURRET HEAD ASSEMBLY INTO TOOL.
3. PRESS TURRET HEAD RELEASE HANDLE TO THE RIGHT TO LOCK TURRET HEAD ASSEMBLY INTO TOOL.

**INSTRUCTIONS FOR USING INDENTOR CLOSURE SELECTOR**

1. PRESS INDENTOR CLOSURE SELECTOR TO THE LEFT TO LOCK INDENTOR CLOSURE SELECTOR INTO TOOL.
2. PRESS INDENTOR CLOSURE SELECTOR TO THE RIGHT TO RELEASE INDENTOR CLOSURE SELECTOR FROM TOOL.

#### M22520/2-01 CRIMP TOOL (DANIELS AF8)

**INSTRUCTIONS FOR CHANGING POSITIONERS**

1. SELECT CORRECT POSITIONER FOR CONTACT BEING CRIMPED.
2. REMOVE POSITIONER FROM POSITIONER LOCK PLATE.
3. REMOVE POSITIONER FROM POSITIONER LOCK PLATE.
4. INSERT NEW POSITIONER INTO POSITIONER LOCK PLATE.
5. PRESS POSITIONER LOCK PLATE TO LOCK POSITIONER INTO TOOL.

**CRIMPING INSTRUCTIONS**

1. INSERT CONTACT THROUGH INDENTOR OPENING AND INTO CONTACT BEING CRIMPED.
2. INSERT WIRE INTO CONTACT AND HOLD SECURELY TO POSITIONER.
3. PRESS POSITIONER TO CRIMP CONTACT AND WIRE TOGETHER.
4. REMOVE CONTACT AND WIRE FROM POSITIONER.
5. REMOVE CONTACT AND WIRE FROM POSITIONER.

### Instruction Sheets

# DMC1253

## Gulfstream V/G500/G550 Kit



**Coverage:** Airframe Power Connectors, Terminals size 12 AWG and Smaller, Coaxial Connectors

**Type of Inserts:** Unicellular Polyethylene Foam with Silhouetted Tool Cavities

**Type of Construction:** 1 Yellow Fiberglass/Aluminum Cases



DMC 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

KIT CONTENTS	
9	Crimp Tools
6	Turret Heads
15	Positioners
4	Single Position Heads
10	Die Sets
8	Metal Insertion Tools
10	Metal Removal Tools
119	Plastic Insertion/Removal Tools
4	Contact Gages
3	Unwired Contact Removal Tools w/ Probes
1	Wire Cutter
2	Wire Strippers
1	In-Service Inspection Gage
1	Die Removal Tool
1	Hex Wrench
1	Universal Positioner
1	Universal Turret Head
3	Coaxial Cable Strippers
1	Installing Plier
2	Module Removal Tools
1	Socket Module Removal Tool
1	Relay Extraction Tool

### Refurbishment Services

To ensure the longevity of your investment, DMC offers kit refurbishment and calibration services. Contact DMC for details.

**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 at the time of design. 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.