



### DMC498-1003 McDonnell Douglas F/A-18 Kit

### MCDONNELL DOUGLAS F/A-18

The F/A-18 is a twin-engine, supersonic, all-weather, carrier-capable, multi-role combat jet, designed by McDonnell Douglas as both a fighter and attack aircraft. The F/A-18 is 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 requires precision tools. To protect your investment, DMC offers a comprehensive maintenance kit to service the wiring systems of the F/A-18.

### DMC498-1003 MAINTENANCE KIT

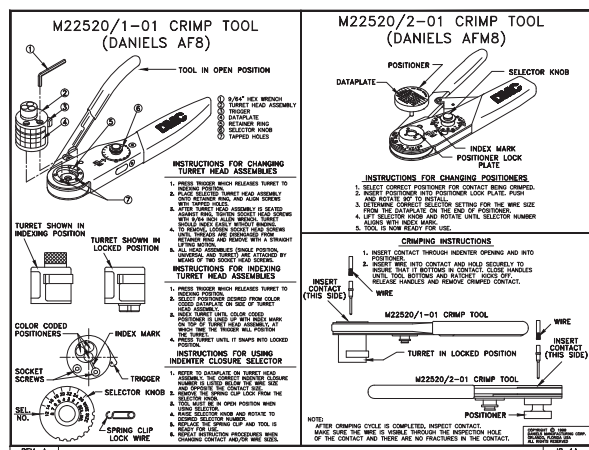
The **DMC498-1003** F/A-18 Wiring System Service Kit provides a turn-key solution and the tools necessary to strip, crimp, install, and remove the typical contacts and terminals of this wiring system. The **DMC498-1003** kit includes the tool to application cross reference information that indicates 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 eight drawer steel roll-around case and includes: Name Plate, Foam Pads/Inserts, Contents Charts, Instruction Sheets, and Tool Selection Charts.

SENSOR (2002) CONNECTOR SERIES AND TYPE	CONNECTOR PART NUMBER	CONTACT PART NUMBER	CONTACT COLOR BAND	CONTACT SIZE	CRIMP TOOL PART NUMBER	TURKEY HEAD POSITIONER OR AIR SEC. PART NUMBER	INSTALLING TOOL PART NUMBER	REMOVAL TOOL PART NUMBER	REMOVAL TOOL FOR REMOVED CONTACTS
MC-UTL-2040 SERIES 1 CIRCULAR FRONT RELEASE CONTACTS	M2040T1	M2040/21-240	P (RED)	21-24	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/22-259	P (RED)	22-25	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-228	P (RED)	21-22	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/22-247	P (RED)	22-24	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-234	P (RED)	21-23	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
MC-UTL-2040 SERIES 1 CIRCULAR REAR RELEASE CONTACTS	M2040R1	M2040/21-115	P (RED)	21-11	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-116	P (RED)	21-12	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-111	P (RED)	21-11	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-118	P (RED)	21-12	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-113	P (RED)	21-13	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
MC-UTL-2040 SERIES 2 CIRCULAR REAR RELEASE CONTACTS	M2040R2	M2040/21-362	P (RED)	21-36	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-361	P (RED)	21-35	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-363	P (RED)	21-37	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-364	P (RED)	21-38	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-365	P (RED)	21-39	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
MC-UTL-2040 "400" SERIES CIRCULAR REAR RELEASE CONTACTS	M2040R3	M2040/21-400	P (RED)	21-40	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-401	P (RED)	21-41	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-402	P (RED)	21-42	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-403	P (RED)	21-43	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)
		M2040/21-404	P (RED)	21-44	0202	ATA (M22520/1-01)	TA1A (M22520/1-01)	DAK20B (M22520/1-01)	DAK20B (M22520/1-01)

### Tool Selection Charts



### Instruction Sheets



Actual Kit may vary from example shown.

# DMC498-1003

## McDonnell Douglas F/A-18 Kit



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

**Type of Inserts:** Unicellular Polyethylene Foam with Die Cut Tool Cavities

**Type of Construction:** 1 Red Eight Drawer Steel Roll-Around Cabinet

DMC CONNECTOR COVERAGE	
MANUFACTURER	SERIES
AMP	Arinc 600
Amphenol	RF Coaxial, 165 Series
Automatic Connector	RF Coaxial
Bendix ECD	RF Coaxial/Triaxial, LJT, TVS Series
Bendix Microwave	RF Coaxial
Burndy	Smooth Bantam
Delta Electronics	RF Coaxial
Deutsch	DD, DS Series
G & H Technology	885 Series
Glenair	GA Series
ITT Cannon	DPXNE, KJL Series, RF Coaxial
Kings Electronics	RF Coaxial
Pyle National	BF Series
Soliton	RF Coaxial
TRW Cinch	RF Coaxial
Dept. of Defense	ONO Series
MIL-DTL-24308	Miniature Rectangular
MIL-DTL-26482	Series 1
MIL-DTL-26500	Firewall Connectors
MIL-DTL-38999	Series 1, 2, 3
MIL-DTL-39012	RF Coaxial
AS50151	3450 Series
AS81511	Series 4
AS81659	Rack and Panel
M81824	Environmental Splices
M7928	Insulated/Uninsulated Terminals/Splices

KIT CONTENTS	
7	Crimp Tools
5	Turret Heads
17	Positioners
7	Single Head Positioners
18	Die Sets
6	Metal Insertion Tools
12	Metal Removal Tools
121	Plastic Insertion/Removal Tools
4	Contact Gages
1	Unwired Contact Removal Tool
39	Probes
1	Wire Cutter
5	Wire Strippers
1	In-Service Inspection Gage
1	Die Removal Tool
1	Hex Wrench
2	T-Handle Wrenches
1	Strap Wrench w/ Additional Strap
4	Coaxial Cable Strippers
54	Adaptor Tools
1	Cable Tie Tool
1	Hydraulic Crimp Tool
4	Hydraulic Die Sets
2	Cable Strippers
4	Retention Testers
14	Jam Nut Sockets
19	Replacement Blades
1	Air Nitrogen Heat Gun
1	Desoldering Tool
1	Soldering Iron
1	Jacket Cutter
5	Box/Open End Wrenches
1	Crowfoot Wrench
2	Trim Tools
1	Cable Cutter
1	Electric Signal Dial Torque Wrench

### 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.

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)