

# DMC1700A MAINTENANCE KIT

## For Electrical Connectors and Wiring Systems



### THE MAINTENANCE PROBLEM...

Modern aircraft, such as the Joint Strike Fighter (JSF), 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 JSF.

**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 loss of mission capability due to AOG. The DMC1700A kit supplies your staff with both the information and the tools necessary to make this type of repair to the JSF in the shortest time possible.

### THE DMC SOLUTION...

**TOOLING RESEARCH.** DMC has already researched the wiring manual of the JSF and has identified the most common tools required to maintain the electrical connectors in the JSF. 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 DMC1700A kit contains all of the tooling to connector, contact and terminal cross reference information needed to support the JSF. In addition, the DMC1700A 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 JSF to service.



Actual Kit may vary from example shown.

Tool kit supplied in 5 environmentally sealed fiberglass case and includes:  
Name Plate, Foam Pads/Inserts,  
Contents Charts, Instruction Charts,  
and Tool Selection Charts.

**DMC1700A**


















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# DMC1700A JSF MAINTENANCE KIT

## For Electrical Connectors and Wiring Systems

### DMC1700A TOOL AND ACCESSORY LIST

	9	Crimp Tools
	3	Turret Heads
	11	Positioners
	3	Single Position Heads
	26	Metal Ins/Rem Tools
	101	Plastic Ins/Rem Tools
	4	Contact gages
	3	Unwired Contact Removal Tools w/ Probes
	1	Wire Cutter
	2	Wire Strippers
	6	In-Service Inspection Gages
	1	Die Removal Tool
	3	Die Sets
	1	Hex Wrench
	72	Adaptor Tools
	2	T-Handle Wrench
	2	Strap Wrench
	3	Coaxial Cable Stripper
	1	Soft Jaw Pliers
	1	Torque Wrench
	2	Cable Pullers
	1	Lock Ring Removal Tool
	2	Spanner Wrenches
	2	Pneumatic Crimp Tools
	8	Pneumatic Die Sets
	5	Pneumatic Locators

### DMC1700A CONNECTOR COVERAGE

MANUFACTURER	SERIES
MIL-C-24308	D-SUB
MIL-C-26482	II
MIL-C-38999	I, II, III
MIL-C-39012	RF Coaxial
MIL-C-5015	3450
MIL-C-83723	III
MIL-S-81824	Environmental Splices
JSFC15/ JSFC16	JSF Standard
JSFC32	JSF Standard
JSFC35	JSF Standard
JSFC44	JSF Standard
JSFC48	JSF Standard
JSFC51	JSF Standard
JSFC55	JSF Standard
JSFC57	JSF Standard
JSFC59	JSF Standard
JSFC70	JSF Standard
JSFC83	JSF Standard
JSFQ05	JSF Standard
JSFQ09	JSF Standard
JSFQ10	JSF Standard
JSFQ14	JSF Standard
JSFQ20	JSF Standard

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.

### TOOL KIT CONFIGURATION

Type of Case	Portable
Number of Cases	5
Color	Green
Type of Construction	Fiberglass/Aluminum
Application	F-35 Lightning II (JSF)
Coverage	Airframe Power Connectors
	Terminals size 12 AWG and Smaller
	Coaxial Connectors
Type of Inserts	Unicellular Polyethylene Foam with Die Cut Tool Cavities