

MAINTENANCE KITS

FOR ELECTRICAL CONNECTORS
AND WIRING SYSTEMS

THE MAINTENANCE PROBLEM...



Modern aircraft, such as the F-22, 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 F-22.

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 mission capability loss due to AOG. The DMC22A kit supplies your staff with both the information and the tools necessary to make this type of repair to the F-22 in the shortest time possible.

THE DMC SOLUTION...

TOOLING RESEARCH. DMC has already researched the wiring manual of the F-22 and has identified the most common tools required to maintain the electrical connectors in the F-22. 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 DMC22A kit contains all of the tooling to connector, contact and terminal cross reference information needed to support the F-22. In addition, the DMC22A 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 F-22 to service.



Actual Kit may vary from example shown.

Tool kit supplied in 2 environmentally sealed fiberglass cases and includes:
Name Plate, Foam Pads/Inserts,
Contents Charts, Instruction Charts,
and Tool Selection Charts.

























DMC22A

DMC DANIELS
MANUFACTURING
CORPORATION

MAINTENANCE KIT FOR F-22



DMC22A TOOL AND ACCESSORY LIST

-  6 CRIMP TOOLS
-  3 TURRET HEADS
-  3 UNWIRED CONTACT REMOVAL TOOLS
-  7 POSITIONERS
-  1 SINGLE POSITION HEAD
-  9 METAL INSERTION TOOLS
-  16 METAL REMOVAL TOOLS
-  98 PLASTIC INS/REM TOOLS
-  4 CONTACT GAGES
-  3 COAXIAL CABLE STRIPPERS
-  1 HEX WRENCH
-  1 WIRE CUTTER
-  2 WIRE STRIPPERS
-  3 IN-SERVICE INSPECTION GAGE
-  1 DIE REMOVAL TOOL
-  8 DIE SETS
-  27 ADAPTOR TOOLS
-  2 T-HANDLE WRENCHES
-  1 SOFT-JAW PLIER
-  2 STRAP WRENCHES
-  1 BANDING TOOL (BAND-IT)
-  1 ILLUMINATED MAGNIFIER
-  2 SPANNER WRENCHES
-  1 LOCKING RING TOOL

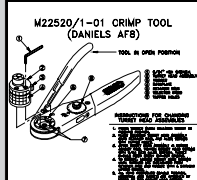
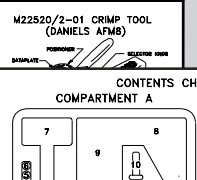
DMC22A CONNECTOR COVERAGE

MANUFACTURER	SERIES
MIL-C-24308	RECTANGULAR RACK & PANEL
MIL-C-26482	SERIES 1 & 2
MIL-C-26500	FIREWALL CONNECTORS
MIL-C-38999	SERIES 1, 2 & 3
MIL-T-5015	3450 SERIES
MIL-C-81511	SERIES 2 & 4
MIL-C-83723	SERIES 3
MIL-S-12883	RELAY SOCKETS
MIL-S-81824	ENVIRONMENTAL SPLICES
MIL-T-7928	INSULATED TERMINALS
MIL-T-81714	TERMINAL JUNCTIONS
MS21981	INNER SHIELDING FERRULES
AMP	PIDG/SOLISTRAND INSULATED/UNINSULATED TERMINALS/SPLICES, STRATOTHERM
AMPHENOL	RF COAXIAL
BENDIX	48, BT-MA, JT, PT, PT-SE, PC, TV SERIES
BURNDY	HYFEN/SMOOTH BANTAM SERIES
COLLINS	THIN-LINE, PRO-LINE SERIES
DEUTSCH	DS, DM, RTK SERIES
DELTA	RF COAXIAL
FENWAL/EDISON	OVERHEAT DETECTION CONNECTORS
INTERCONNECTRON	FC, FH, FZ SERIES
ITT CANNON	BKAD, CA, DPA, DPD, DPE, DPJM, DPXB, DPX*MA, KM, KO SERIES
KINGS	RF COAXIAL
LOCKHEED	5PTV SERIES
TROMPETER	RF COAXIAL
WINCHESTER	MRAC, MRE SERIES
RAYCHEM	MINI-SEAL SPLICES

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.

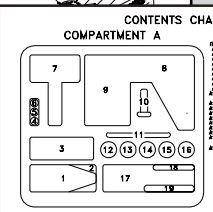
DATA PACKAGE

TOOL/ACCESSORY INSTRUCTION SHEET

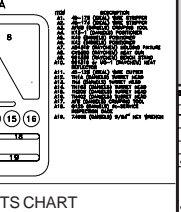



CONTENTS CHART

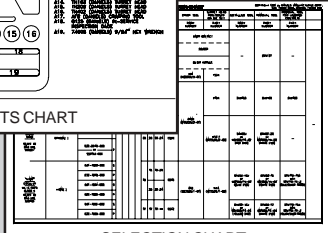
COMPARTMENT A



CONTENTS CHART



SELECTION CHART



TOOL KIT CONFIGURATION

TYPE OF CASE	PORTABLE / ENVIRONMENTAL
NUMBER OF CASES	2
COLOR	GREEN
TYPE OF CONSTRUCTION	FIBERGLASS/ALUMINUM
APPLICATION	F-22
COVERAGE	AIRFRAME CONNECTORS, TERMINALS SIZE 12 AWG AND SMALLER, AND COAXIAL CONNECTORS
TYPE OF INSERTS	UNICELLULAR POLYETHELENE FOAM WITH DIE CUT TOOL CAVITIES

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