

Maintenance Kits for Aerospace Wiring Systems



DMC DANIELS
MANUFACTURING
CORPORATION®



An ISO9001 and AS9100 Registered Company

Total Support For Aerospace Wiring Systems

THE PROBLEM

Complex Wiring Systems. Today's sophisticated aircraft and weaponry electronics have become increasingly more complex, and system operation critical.

Personnel Training. The technicians who must maintain these systems may not have current knowledge about all the various types of terminations and associated tooling needed to repair the vast number of interconnections which make up these systems.

Time Requirements. Once the system becomes inoperative, the pressure to return the system to operation does not permit the luxury of researching the answers to which tool is available.

THE SOLUTION

Research. DMC does all the necessary research to relieve this pressure to eliminate the guesswork and haphazard (trial-and-error) utilization of tools by developing detailed Tool Selection Charts which cross reference all the connectors with complete repair tool data.

Packaging. DMC then packages these Tool Selection Charts, Contents Charts, and Instruction Sheets with all the crimping tools, turret heads, dies, wire strippers, installing tools, removal tools and other accessories necessary to support the system in durable cases or rugged cabinets so the tools are properly organized and protected.

Ready Access. The technician now has ready access to the technical data and tools for reliable, cost-effective Total Wiring System Support.

Working Together. DMC can work with you to select or custom design the right Wiring System Service Kit to meet your individual requirements. After you have purchased a DMC Service Kit, our trained personnel are available with the information and tools you need to keep your kit up-to-date.

Efficient tool control and accountability starts with a DMC Wiring Service System Kit.



Technical Data Package

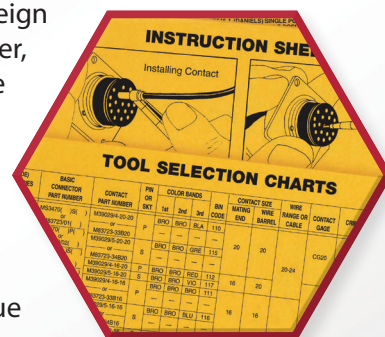
The complete **TECHNICAL DATA PACKAGE** is a key feature of every DMC Wiring System Service Kit. The **TECHNICAL DATA PACKAGE** consists of three elements:

CONTENTS CHARTS

Increase Efficiency/Reduce FOD. These charts offer a visual representation of the storage compartments for all tools in the kit. These charts enable the technician to quickly scan the kit be assured that no tools are missing prior to making a repair. While this obviously allows the user to easily locate the required tools, it also decreases the likelihood that important components will become lost or left behind in areas where they may later cause damage to electrical circuitry, or system failure (Foreign Object Debris-F.O.D.). The CONTENTS CHARTS also list all the tools by part number, so re-ordering information is immediately available should a component require replacement. All tools are identified by common industry part numbers, and available from the normal supply chain.

INSTRUCTION SHEETS

DMC provides detailed step-by-step directions on how to prepare each tool for use. INSTRUCTION SHEETS are also available to meet foreign language or unique special purpose tool requirements for wire prep, termination, and assembly.



TOOL SELECTION CHARTS

Eliminate Trial And Error Tool Selection. These detailed charts are developed from the actual connector lists of the system being supported, and are designed to direct the technician in the selection of the proper tools and accessories. DMC does all the research to cross reference the appropriate tooling for proper disassembly, repair and assembly of the power, RF and other wire terminations in the system. The TOOL SELECTION CHARTS identify the connectors in alpha/numeric order by their military and/or commercial designations; identify the contacts by part number and color code where applicable; list applicable wire sizes; and identify the appropriate crimp tool and associated turret head/positioner/die, installing tool and removal tool for wired and unwired contacts where applicable.

The TECHNICAL DATA PACKAGE is affixed to the Kit and protected by transparent, plastic lamination to prevent environmental damage. DMC offers years of experience in supporting the connector industry. This experience has enabled DMC to develop a wealth of information which can be easily accessed in the technical data package in your Kit.

FLEET MIX CUSTOM KITS

"Custom" is customary at DMC with regards to Maintenance Kit Design. We often combine the capabilities of several kits into one kit to accommodate a Fleet Mix of Aircraft so one tool kit will service all the aircraft or systems in the organization. Fleet Mix Kits have great cost efficient and time saving benefits to the end user.

A Wide-Range of Tool Kit Applications

The following is a partial list of some of the popular aerospace systems currently covered by DMC Wiring System Service Kits. DMC has the capabilities to design a Wiring System Service Kit for virtually any electrical interconnection system. For further assistance with your individual requirements, please contact DMC.

MILITARY AIRCRAFT (PARTIAL LISTING)

BAe HAWK 100/200	DMC1283
BOEING McDONNELL DOUGLAS AV-8B HARRIER II	DMC733
BOEING McDONNELL DOUGLAS F/A-18A, TF/A-18A	DMC498-1001
BOEING McDONNELL DOUGLAS F-15	DMC712
BOEING McDONNELL DOUGLAS F-15 EAGLE A.I.S.	DMC306
BOEING T-45A TRAINER	DMC896
BOEING, NORTH AMERICA B1B BOMBER	DMC621
C-130 SCNS PROGRAM	DMC923A
CANADIAN ARMED FORCES CF-18	DMC506-1
DASSAULT MIRAGE	DMC239F
FAIRCHILD A-10	DMC919
KC135 TANKER	DMC31
LOCKHEED 356007-135 ROBINS AFB	DMC1220
LOCKHEED MARTIN C-130H	DMC37-2
LOCKHEED MARTIN C-130J	DMC216
LOCKHEED MARTIN F-111A & F-111B	DMC22A
LOCKHEED MARTIN F-16 A.I.S.	DMC800
LOCKHEED MARTIN F-16 FIGHTING FALCON	DMC252
LOCKHEED MARTIN F-22	DMC882
LOCKHEED MARTIN P-3 ORION	DMC730
NORTHROP GRUMMAN B2 BOMBER	DMC679
NORTHROP GRUMMAN C-2A	DMC476
NORTHROP GRUMMAN E-2C "O" LEVEL	DMC1340
NORTHROP GRUMMAN EA-6B "I" LEVEL	DMC1362 MOD1
NORTHROP GRUMMAN EA-6B "O" LEVEL	DMC314MOD1
RAYTHEON T-6A TEXAN II (JPATS)	DMC592-C/F18

ROTARY WING (PARTIAL LISTING)

Agusta Westland WG-30	DMC561
Agusta Westland A109 & A129	DMC902
BELL 206 JETRANGER & 206L LONG RANGE	DMC441
BELL 214 ST SUPER TRANSPORT	DMC788
BELL 222	DMC798
BELL 430	DMC1257
BELL AH-1S COBRA	DMC440
BELL ED-1H IROQUOIS	DMC444
BELL OH-58D AHIP	DMC646-1
BELL TH-57 SEA RANGER	DMC617
BELL 412SP	DMC1354
BELL RF	DMC309
BELL AH-1S COBRA	DMC440MOD1
BELL 234, AGUSTA 109	DMC58
BELL AH-1S	DMC641
BELL 205, 206, 206L, 212, 412	DMC892
BOEING AH64A APACHE	DMC1328
BOEING CANADA CH113	DMC736
BOEING CH47	DMC723
BOEING MD500E	DMC603
BOEING MD-900	DMC1182

BOEING H-46	DMC102
BOEING OH-6 Cayuse	DMC73
EUROCOPTER BO-105 & BK-117	DMC850
EUROCOPTER COUGAR	DMC1238
EUROCOPTER DAUPHIN	DMC431
EUROCOPTER EC-135	DMC1280
EUROCOPTER EC-145	DMC1808
EUROCOPTER PUMA/SUPER PUMA	DMC1819
EUROCOPTER UH-72A LAKOTA (US ARMY)	DMC1844
KAMAN K-MAX	DMC1229
KAMAN SH-2G	DMC1305
KAWASAKI OH-1	DMC1244
McDonnell Douglas MD 900, 901, 902 EXPLORER	DMC1182
McDonnell Douglas MD500E/MD530	DMC1819
SEAKNIGHT H-46	DMC10
SIKORSKY CH-53E SUPER STALLION	DMC386 MOD1
SIKORSKY EXECUTIVE TRANSPORT	DMC927
SIKORSKY S-70	DMC787
SIKORSKY S-76 A, B, C MODELS	DMC378
SIKORSKY SH-3D, 3G, & 3H	DMC385
SIKORSKY SH-60B SEAHAWK (US NAVY)	DMC420A
SIKORSKY MH-53J (SRL)	DMC1049
SIKORSKY SH-60B, SH-60F, HH-60H, HH-60J	DMC1480
SIKORSKY S-92	DMC1576
SIKORSKY MDCC S70R401 S-70B Seahawk	DMC1834
SIKORSKY S-61N	DMC58
SIKORSKY UH-60 BLACKHAWK	DMC787B
SIKORSKY S-76A&B	DMC810
SIKORSKY SH-3D Sea King	DMC903
US ARMY HELICOPTER (Battle Damage Repair) KIT	DMC664A
WESTLAND 30 SERIES 100 & 160	DMC681
WESTLAND WG30	DMC561

REGIONAL AND EXECUTIVE AIRCRAFT (PARTIAL LISTING)

Avions de Transport Regional ATR42 & ATR72	DMC1690
BAE 146	DMC684
BAE JETSREAM 31, 32, 41	DMC1126
BEECHCRAFT 1900D	DMC1130
BEECHCRAFT KING AIR 350	DMC1352
BEECHCRAFT King Air 200 & 200T	DMC556
BOMBARDIER GLOBAL	DMC1319
BOMBARDIER LEARJET 25, 35, 55	DMC852
BOMBARDIER LEARJET 45	DMC1293
CANADAIR CHALLENGER CL-600, CL601-3A	DMC315A
CANADAIR RJ	DMC584
CESSNA CITATION I, II, III	DMC205-1
CESSNA CITATION II	DMC804
DASSAULT FALCON 10, 100, 20, 200, 50, & 900	DMC40
DASSAULT FALCON 50 EX, 900EX, 200	DMC1344
DEHAVILLAND DASH 8-100, -200, -30	DMC1384
DEHAVILLAND DASH 8-Q400	DMC1107

Custom Kits are Available

DMC works with maintainers, OEMs, aircraft owners, and regulatory agencies to update our Tool Kits and keep them current with changes. DMC's Global Supply Chain of Partners assures that a replacement component or Tool Kit upgrade can be acquired anywhere that aerospace equipment is relied upon for business or military purpose.

GULFSTREAM GV
GULFSTREAM III & IV
GULFSTREAM II
GULFSTREAM GII
HAWKER BEECHCRAFT 800/800XP
LEARJET 60
LEARJET 31A MAINTENANCE
LEARJET 25/31A/35/55/60
LEARJET 45 MAINTAINACE
LEARJET 25,31A,35,45,55,60
LEARJET 35
LEARJET 25, 35, & 55
RAYTHEON BEECHCRAFT KING AIR 200, 200T
SAAB 340
SAAB 2000

DMC1253
DMC871
DMC197
DMC810
DMC876
DMC1060
DMC1147
DMC1165
DMC1293
DMC1697
DMC204
DMC852
DMC876
DMC635
DMC1100

DEHAVILAND DASH 8-100, -200, -300
DEHAVILLAND DASH 8-Q400
DORNIER 228
DORNIER DO-328
EMBRAER 120 BRASIL
EMBRAER EMB-135
EMBRAER EMB-145 II

DMC872MOD1
DMC1384
DMC857
DMC1107
DMC776
DMC1522
DMC1278

COMMERCIAL AIRCRAFT

(Partial Listing)

AIRBUS A300/A310
AIRBUS A320/A330/A340
AIRBUS A319
AIRBUS A300, 310, 320, 330, 340
AIRBUS A380
Avions de Transport Regional ATR42 & ATR72
BAE 146
BAE JETSTREAM 31, 32, 41
BEECHCRAFT 1900D
BEECHCRAFT KING AIR 350
BEECHCRAFT King Air 200 & 200T
BOEING 737-NG
BOEING MD80
BOEING 707, 727, 737,
BOEING 777 & 767
BOEING 777
BOEING 707, 727, 737-200 TO 800
BOEING 737-200/-800 & 757-200/-300
BOEING 707, 727, 737
BOEING 747, 747SP, 100 & 200
BOEING 707, 727, 737-200, 747, 747SP
Boeing 787
BOEING DC8, DC9, DC10 - 707, 727, 737, 747

DMC333
DMC519
DMC1807
DMC30
ATK4787
DMC899
DMC684
DMC1126
DMC1130
DMC1352
DMC556
DMC1264
DMC80
DMC185-2 MOD1
DMC1804
DMC977
DMC1846
DMC1848
DMC185-2MOD1
DMC201MOD1
DMC221MOD1
ATK4787
DMC355MOD1



NOTICE: Unless otherwise stated by DMC; tools contained in a 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. Verification Is Required.

Total Support for Aerospace Wiring Systems

DMC Service Kits are designed to enable the technician to use time and abilities in the most efficient way. Through our organizational planning we provide the user with the following benefits: 1) Easier Access to Tools, 2) Less Personnel Downtime, 3) Control of Tool Inventory, 4) Protection of Tools.

ENVIRONMENTAL PACKAGING

An analysis of the environmental conditions and other factors is of absolute necessity from the beginning. On-site field maintenance requires a packaging system where maximum portability and component protection are the controlling factors, whereas maintenance kits designed for depot-level support are based primarily on convenient location of components and other significant factors important to that environment.

CUSTOM SIZES

Depending upon the complexity of the system being supported, the tools and technical data are protected in various formats: from a single metal tool box for basic, on-site repairs to multi-drawer, roll-around cabinets for depot-level repairs.

FOAM INSERTS

Foam inserts (standard for all DMC kits) provide each component with a designated storage space which is indicated on the Contents Charts. This assures the technician that no needed components are missing prior to departing to make the repair. The technician also knows, prior to leaving the on-site repair, that if a foam compartment is empty, then a component is missing and must be retrieved. This helps eliminate FOD (Foreign Object Damage) problems.

CUSTOM/SPECIAL KITS

Designed to match your specific needs, these kits are supplied in custom-type cases, and include all of the tools and data necessary to meet your unique requirements.

MILITARY/STANDARD KITS

Conforming to MIL-T-83507, MIL-M-83521 and other specifications, these kits have proven their reliability and versatility over years of dependable service.

