

DE HAVILLAND DASH 8 Q400

The De Havilland Canada DHC-8, commonly known as the Dash 8, is a series of turboprop-powered regional airliners, introduced by de Havilland Canada (DHC) in 1984. The De Havilland Dash 8 Q400 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 require precision tools. To protect your investment, DMC offers a comprehensive maintenance kit to service the wiring systems of the De Havilland Dash 8 Q400.

DMC1384 MAINTENANCE KIT

The **DMC1384** 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 **DMC1384** 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. In addition, the kit also contains illustrated operating instructions for the designated tooling.

DMC1384 for the De Havilland Dash 8 Q400 Kit

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.

CONNECTOR SERIES AND TYPE	CONNECTOR PART NUMBER	CONTACT PART NUMBER	P. COLOR BAND	P. SIZE	CONTACT SIZE	CRIMP TOOL PART NUMBER	INSTALLING TOOL PART NUMBER	REMOVAL TOOL PART NUMBER	REMOVAL TOOL FOR WIRE SIZE	TOOL SELECTION CHART	
										CONTACT PART NUMBER	CONTACT SIZE
M22520/1-01 SERIES 1	M22520/1-01	M22520/1-01	RED	1.0	0.020	AF8 (M22520/1-01)	TOA (M22520/1-01)	DAK20 (M1989/17-03)	DPK20 (M1989/19-03)	DPK20 (M1989/19-03)	020
		M22520/2-01	RED	1.0	0.020	AF8 (M22520/1-01)	TOA (M22520/1-01)	DAK20 (M1989/17-03)	DPK20 (M1989/19-03)	DPK20 (M1989/19-03)	020
		M22520/2-02	RED	1.0	0.020	AF8 (M22520/1-01)	TOA (M22520/1-01)	DAK20 (M1989/17-03)	DPK20 (M1989/19-03)	DPK20 (M1989/19-03)	020
		M22520/2-03	RED	1.0	0.020	AF8 (M22520/1-01)	TOA (M22520/1-01)	DAK20 (M1989/17-03)	DPK20 (M1989/19-03)	DPK20 (M1989/19-03)	020
		M22520/2-04	RED	1.0	0.020	AF8 (M22520/1-01)	TOA (M22520/1-01)	DAK20 (M1989/17-03)	DPK20 (M1989/19-03)	DPK20 (M1989/19-03)	020

Tool Selection Charts

M22520/1-01 CRIMP TOOL (DANIELS AF8)

TOOL IN OPEN POSITION

INSTRUCTIONS FOR CHANGING TURRET HEAD ASSEMBLIES

1. PRESS TURRET WHICH RELEASES TURRET TO INDEX POSITION. TURRET HEAD ASSEMBLY WILL ROTATE TO INDEX POSITION.
2. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL. TURRET HEAD ASSEMBLY IS REMOVED BY PRESSING TURRET WHICH RELEASES TURRET TO INDEX POSITION.
3. INSERT NEW TURRET HEAD ASSEMBLY INTO CRIMP TOOL. TURRET HEAD ASSEMBLY IS INSERTED BY PRESSING TURRET WHICH RELEASES TURRET TO INDEX POSITION.
4. PRESS TURRET WHICH RELEASES TURRET TO INDEX POSITION. TURRET HEAD ASSEMBLY WILL ROTATE TO INDEX POSITION.

INSTRUCTIONS FOR INDEXING TURRET HEAD ASSEMBLIES

1. PRESS TURRET WHICH RELEASES TURRET TO INDEX POSITION. TURRET HEAD ASSEMBLY WILL ROTATE TO INDEX POSITION.
2. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL. TURRET HEAD ASSEMBLY IS REMOVED BY PRESSING TURRET WHICH RELEASES TURRET TO INDEX POSITION.
3. INSERT NEW TURRET HEAD ASSEMBLY INTO CRIMP TOOL. TURRET HEAD ASSEMBLY IS INSERTED BY PRESSING TURRET WHICH RELEASES TURRET TO INDEX POSITION.
4. PRESS TURRET WHICH RELEASES TURRET TO INDEX POSITION. TURRET HEAD ASSEMBLY WILL ROTATE TO INDEX POSITION.

INSTRUCTIONS FOR INDEXING INDENTURE CLOSURE SELECTOR

1. PRESS INDENTURE CLOSURE SELECTOR TO INDEX POSITION. INDENTURE CLOSURE SELECTOR WILL ROTATE TO INDEX POSITION.
2. REMOVE INDENTURE CLOSURE SELECTOR FROM CRIMP TOOL. INDENTURE CLOSURE SELECTOR IS REMOVED BY PRESSING INDENTURE CLOSURE SELECTOR TO INDEX POSITION.
3. INSERT NEW INDENTURE CLOSURE SELECTOR INTO CRIMP TOOL. INDENTURE CLOSURE SELECTOR IS INSERTED BY PRESSING INDENTURE CLOSURE SELECTOR TO INDEX POSITION.
4. PRESS INDENTURE CLOSURE SELECTOR TO INDEX POSITION. INDENTURE CLOSURE SELECTOR WILL ROTATE TO INDEX POSITION.

M22520/2-01 CRIMP TOOL (DANIELS AF8)

POSITIONER

DATAPLATE

SELECTOR KNOB

INDEX MARK

POSITIONER LOCK PLATE

INSTRUCTIONS FOR CHANGING POSITIONERS

1. SELECT CONTACT POSITIONER FOR CONTACT BEND ORIENTATION.
2. REMOVE POSITIONER FROM POSITIONER LOCK PLATE. POSITIONER IS REMOVED BY PRESSING POSITIONER TO INDEX POSITION.
3. INSERT NEW POSITIONER INTO POSITIONER LOCK PLATE. POSITIONER IS INSERTED BY PRESSING POSITIONER TO INDEX POSITION.
4. PRESS POSITIONER TO INDEX POSITION. POSITIONER WILL ROTATE TO INDEX POSITION.

CRIMPING INSTRUCTIONS

1. INSERT CONTACT THROUGH INDENTURE OPENING AND INTO POSITIONER.
2. INSERT WIRE INTO CONTACT AND HOLD SECURELY TO POSITIONER. WIRE IS HELD SECURELY BY CONTACT SLIDE CHANNELS.
3. PRESS CRIMP HANDLE AND REMOVE CRIMPED CONTACT.

INSTRUCTIONS FOR USING INDENTURE CLOSURE SELECTOR

1. PRESS INDENTURE CLOSURE SELECTOR TO INDEX POSITION. INDENTURE CLOSURE SELECTOR WILL ROTATE TO INDEX POSITION.
2. REMOVE INDENTURE CLOSURE SELECTOR FROM CRIMP TOOL. INDENTURE CLOSURE SELECTOR IS REMOVED BY PRESSING INDENTURE CLOSURE SELECTOR TO INDEX POSITION.
3. INSERT NEW INDENTURE CLOSURE SELECTOR INTO CRIMP TOOL. INDENTURE CLOSURE SELECTOR IS INSERTED BY PRESSING INDENTURE CLOSURE SELECTOR TO INDEX POSITION.
4. PRESS INDENTURE CLOSURE SELECTOR TO INDEX POSITION. INDENTURE CLOSURE SELECTOR WILL ROTATE TO INDEX POSITION.

Instruction Sheets



Actual Kit may vary from example shown.

DMC1384

De Havilland Dash 8 Q400 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 Yellow Fiberglass/Aluminum Case



DMC CONNECTOR COVERAGE

MANUFACTURER	SERIES
MIL-DTL-24308	D-Subminiature
MIL-DTL-26482	Series 2
MIL-DTL-38999	Series 1, 2, and 3
MIL-C-39012	RF Coaxial
AS50151	3100 & 3450 Series
SAE AS81659	Series 2
MIL-DTL-83723	Series 3
MIL-S-81824	Environmental Splices
MIL-T-7928	Insulated/Uninsulated Terminals/Splices
Allied Signal	RF Coaxial
AMP	MR, CPC, RM Series
Amphenol	Micro 17 Series
Bendix	PT Series
Deutsch	992 Series
ITT Cannon	BKAD/E/F, DPX*MA, D*MA, KPSE, KPT Series
Leach Relays	Relay Sockets
Positronics	Rhapso-D, Soli-D Series
PDC	Relay Sockets
Raychem	D-436 Mini-Seal Splices
Radiall	EPX, NSX Series
Souriau	S600 Series

KIT CONTENTS

6	Crimp Tools
2	Turret Heads
1	Universal Turret Head
1	Universal Positioner
12	Positioners
3	Single Position Heads
11	Metal Insertion Tools
11	Metal Removal Tools
86	Plastic Insertion/Removal Tools
1	Metal Insertion/Removal Tool
4	Contact Gages
3	Unwired Contact Removal Tools
1	Wire Cutter
2	Wire Strippers
4	In-Service Inspection Gages
1	Die Removal Tool
10	Die Sets
1	Hex Wrench
3	Coaxial Cable Strippers

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.