

DMC1020-1 CASA CN-235 Kit



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CASA CN-235

The CASA CN-235 is a medium-range twin-engine transport aircraft that was developed by Construcciones Aeronáuticas SA (CASA) as a regional airliner and military transport. The CASA CN-235 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 CASA CN-235.

DMC1020-1 MAINTENANCE KIT

The **DMC1020-1** CASA CN-235 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 **DMC1020-1** 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 steel case and includes: Name Plate, Foam Pads/Inserts, Contents Charts, Instruction Sheets, and Tool Selection Charts.

TOOL SELECTION CHART											
WIRENO. (CON) CONNECTOR SERIES AND TYPE	CONNECTOR PART NUMBER	CONTACT PART NUMBER	P. COLOR BANDS	CONTACT SIZE	CONTACT TYPE	INSTALLING TOOL PART NUMBER	REMOVAL TOOL PART NUMBER	REMOVAL TOOL FOR WIRENO. CONTACTS	TURRET HEAD POSITIONER		
									CONTACT PART NUMBER	CONTACT PART NUMBER	CONTACT PART NUMBER
M22520-1-01 CIRCULAR FRONT RELEASE CONTACTS	M22520-1-01	M22520-1-01	RED	18	20-24	0200	AF8	761A	DA620	DRK20	DRK20
		M22520-2-01	RED	20	20-24	0200	AF8	761A	DA620	DRK20	DRK20
		M22520-2-02	RED	20	20-24	0200	AF8	761A	DA620	DRK20	DRK20
		M22520-2-03	RED	20	20-24	0200	AF8	761A	DA620	DRK20	DRK20
		M22520-2-04	RED	20	20-24	0200	AF8	761A	DA620	DRK20	DRK20
M22520-2-02 CIRCULAR REAR RELEASE CONTACTS	M22520-2-02	M22520-2-02	RED	18	18-20	0200	AF8	761A	DA620	DRK20	DRK20
		M22520-2-03	RED	18	18-20	0200	AF8	761A	DA620	DRK20	DRK20
		M22520-2-04	RED	18	18-20	0200	AF8	761A	DA620	DRK20	DRK20
		M22520-2-05	RED	18	18-20	0200	AF8	761A	DA620	DRK20	DRK20
		M22520-2-06	RED	18	18-20	0200	AF8	761A	DA620	DRK20	DRK20
M22520-2-03 CIRCULAR REAR RELEASE CONTACTS	M22520-2-03	M22520-2-03	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
		M22520-2-04	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
		M22520-2-05	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
		M22520-2-06	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
		M22520-2-07	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
M22520-2-04 CIRCULAR REAR RELEASE CONTACTS	M22520-2-04	M22520-2-04	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
		M22520-2-05	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
		M22520-2-06	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
		M22520-2-07	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
		M22520-2-08	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
M22520-2-05 CIRCULAR REAR RELEASE CONTACTS	M22520-2-05	M22520-2-05	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
		M22520-2-06	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
		M22520-2-07	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
		M22520-2-08	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20
		M22520-2-09	RED	12	12-14	0201	AF8	761A	DA620	DRK20	DRK20



Tool Selection Charts

M22520/1-01 CRIMP TOOL (DANIELS AF8)

INSTRUCTIONS FOR CHANGING TURRET HEAD ASSEMBLIES

1. PRESS TURRET HEAD RELEASE HANDLE TO DISASSEMBLE TURRET HEAD ASSEMBLY FROM CRIMP TOOL. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.
2. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.
3. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.
4. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.
5. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.

INSTRUCTIONS FOR INDEXING TURRET HEAD ASSEMBLIES

1. PRESS TURRET HEAD RELEASE HANDLE TO DISASSEMBLE TURRET HEAD ASSEMBLY FROM CRIMP TOOL.
2. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.
3. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.
4. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.
5. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.

INSTRUCTIONS FOR USING INDEXING TURRET HEAD ASSEMBLIES

1. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.
2. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.
3. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.
4. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.
5. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL AND HOLD TURRET HEAD ASSEMBLY IN POSITION.

M22520/2-01 CRIMP TOOL (DANIELS AF8)

INSTRUCTIONS FOR CHANGING POSITIONERS

1. SELECT CORRECT POSITIONER FOR CONTACT BEING CRIMPED.
2. REMOVE POSITIONER FROM POSITIONER LOCK PLATE.
3. REMOVE POSITIONER FROM POSITIONER LOCK PLATE.
4. REMOVE POSITIONER FROM POSITIONER LOCK PLATE.
5. REMOVE POSITIONER FROM POSITIONER LOCK PLATE.

CRIMPING INSTRUCTIONS

1. INSERT CONTACT THROUGH INDEXING OPENING AND INTO POSITIONER.
2. INSERT WIRE INTO CONTACT AND HOLD SECURELY TO POSITIONER.
3. CRIMP WIRE THROUGH CONTACT AND REMOVE CRIMPED CONTACT.
4. CRIMP WIRE THROUGH CONTACT AND REMOVE CRIMPED CONTACT.
5. CRIMP WIRE THROUGH CONTACT AND REMOVE CRIMPED CONTACT.

Instruction Sheets

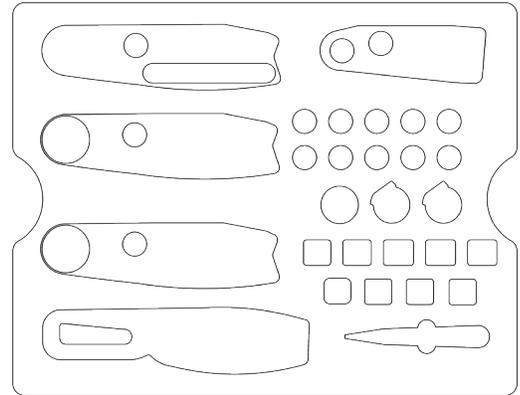
Actual Kit may vary from example shown.

DMC1020-1 CASA CN-235 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 Gray Steel Case



DMC CONNECTOR COVERAGE	
MANUFACTURER	SERIES
Aerospatiale	MIL-C-26482 Series 1, ARINC 600 Rack & Panel, Poke-Home, Terminal Block Modules, Miniature Bayonet
AMP	Amplimate, "RME" Series, Solistrand Series, Uninsulated Terminals & Splices
Amphenol	"48", "418" Series
ARINC 600	Rack & Panel
Bendix	"LJT" Series
Collins Radio	Thin Line I
Deutsch	Terminal Block Modules, "ADS/DS", "DBA30/FDBA", "951", Temperature/Firewall Type
Flight Connector	"FC/FH/FZH" Series
ITT Cannon	"D*MA" Series MIL-C-24308, "DPA", "DPX*MA", "KJL", "PVW" Series
Pyle National	"ZZ" Series
Socapex	"LJT", "45" Series
Souriau	"851", "852", "892" Series
MIL-DTL-26482	Series 1
MIL-DTL-26500	Bayonet or Threaded Couplings
M7928	Insulated Terminals & Splices

KIT CONTENTS	
4	Crimp Tools
5	Turret Heads
9	Positioners
3	Die Sets
9	Metal Insertion Tools
14	Metal Removal Tools
36	Plastic Insertion/Removal Tools
3	Unwired Contact Removal Tools w/ Probes
1	Wire Cutter
3	Wire Strippers
1	In-Service Inspection Gage
1	Hex Wrench
1	Die Removal Tool

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.