



DMC1417 for the Kaman SH-2G Kit

NSN: 5935-01-486-7137

KAMAN SH-2G SUPER SEASPRITE

The Kaman SH-2G Super Seasprite is an American ship-based helicopter. This aircraft extends and increases shipboard sensor and weapon capabilities against several types of enemy threats, including submarines of all types, surface ships, and patrol craft that may be armed with anti-ship missiles. The Kaman SH-2G 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 Kaman SH-2G.

DMC1417 MAINTENANCE KIT

The DMC1417 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 DMC1417 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.

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 two environmentally sealed cases and includes: Name Plate, Foam Pads/Inserts, Contents Charts, Instruction Sheets, and Tool Selection Charts.

TOOL SELECTION CHART													
SENSOR CONNECTOR SERIES	CONNECTOR PART NUMBER	CONTACT PART NUMBER	CONTACT SIZE	CONTACT TYPE	CRIMP TOOL PART NUMBER	TURRET HEAD POSITIONER PART NUMBER	INSTALLING TOOL PART NUMBER	REMOVAL TOOL PART NUMBER	REMOVAL TOOL FOR REMOVAL	REMOVAL TOOL FOR REMOVAL	REMOVAL TOOL FOR REMOVAL	REMOVAL TOOL FOR REMOVAL	REMOVAL TOOL FOR REMOVAL
MC-UT-2642 SERIES 1	W3029/26-240	W3029/26-240	RED	24-240	20	20-24	0020	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-228	RED	24-228	18	18-20	0018	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-247	RED	24-247	18	18-20	0018	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-234	RED	24-234	12	12-14	0012	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-233	RED	24-233	12	12-14	0012	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
MC-UT-2642 SERIES 2	W3029/26-115	W3029/26-115	RED	24-115	20	20-24	0020	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-110	RED	24-110	18	18-20	0018	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-118	RED	24-118	18	18-20	0018	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-111	RED	24-111	12	12-14	0012	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-118	RED	24-118	12	12-14	0012	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
MC-UT-2642 SERIES 2	W3029/26-113	W3029/26-113	RED	24-113	12	12-14	0012	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-113	RED	24-113	12	12-14	0012	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
MC-UT-2642 SERIES 2	W3029/26-302	W3029/26-302	RED	24-302	22	22-26	0022	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-302	RED	24-302	22	22-26	0022	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
MC-UT-2642 SERIES 2	W3029/26-302	W3029/26-302	RED	24-302	22	22-26	0022	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-302	RED	24-302	22	22-26	0022	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
MC-UT-2642 SERIES 2	W3029/26-113	W3029/26-113	RED	24-113	12	12-14	0012	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-113	RED	24-113	12	12-14	0012	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-113	RED	24-113	12	12-14	0012	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-113	RED	24-113	12	12-14	0012	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)
		W3029/26-113	RED	24-113	12	12-14	0012	AF8 (M22520/1-01)	701A (M22520/1-01)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)	DAK20B (M8199/16-02)

Tool Selection Charts

M22520/1-01 CRIMP TOOL (DANIELS AF8)

INSTRUCTIONS FOR CHANGING TURRET HEAD ASSEMBLIES

1. PRESS INDEX MARK RELIEF TO TURRET HEAD ASSEMBLY TO REMOVE FROM CRIMP TOOL.
2. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL.
3. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL.
4. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL.
5. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL.

INSTRUCTIONS FOR INDEXING TURRET HEAD ASSEMBLIES

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INSTRUCTIONS FOR INDEXING TURRET HEAD ASSEMBLIES

1. PRESS INDEX MARK RELIEF TO TURRET HEAD ASSEMBLY TO REMOVE FROM CRIMP TOOL.
2. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL.
3. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL.
4. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL.
5. REMOVE TURRET HEAD ASSEMBLY FROM CRIMP TOOL.

M22520/2-01 CRIMP TOOL (DANIELS AF8)

INSTRUCTIONS FOR CHANGING POSITIONERS

1. SELECT CORRECT POSITIONER FOR CONTACT WIRE CRIMPING.
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 INDEXER OPENING AND INTO POSITIONER.
2. INSERT WIRE INTO CONTACT AND HOLD SECURELY TO POSITIONER.
3. CRIMP WIRE INTO CONTACT AND HOLD SECURELY TO POSITIONER.
4. CRIMP WIRE INTO CONTACT AND HOLD SECURELY TO POSITIONER.
5. CRIMP WIRE INTO CONTACT AND HOLD SECURELY TO POSITIONER.

Instruction Sheets



Actual Kit may vary from example shown.

DMC1417 Kaman SH-2G 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: 2 Yellow Fiberglass/Aluminum Cases



DMC CONNECTOR COVERAGE	
MANUFACTURER	SERIES
AS50151	"3450" Series
MIL-DTL-24308	Rack and Panel
MIL-DTL-26482	Series 1 & 2
MIL-DTL-38999	Series 1, 2 & 3
MIL-C-39012	RF Coaxial
MIL-C-49142	RF Triaxial
SAE AS81659	Series 2
MIL-S-81824	Environmental Splices
MIL-DTL-83723	Series 3
MIL-SED-1549	Junction Modules
MIL-T-7928	Insulated/Uninsulated Terminals and Splices
Amphenol	"PT-SE" Series, "B" Series
Burndy/FCI	"Hyfen Bantam" Series
Collins	"Thin Line" Series 1 & 2
Duetsch	"DM" Series
Kings Electronics	"TNC" Series, "HN" Series
Positronics	"RD" Series
Raychem	"DK621" Series
Trompeter	"450", "70/370", "PLR450", Digital Data Bus Series

KIT CONTENTS	
7	Crimp Tools
5	Turret Heads
8	Positioners
4	Single Position Heads
1	Universal Head
1	Universal Positioner
13	Metal Insertion Tools
15	Metal Removal Tools
58	Plastic Insertion/Removal Tools
4	Contact Gages
3	Unwired Contact Removal Tools w/ Probes
1	Wire Cutter
2	Wire Strippers
4	In-Service Inspection Gages
1	Die Removal Tool
14	Die Sets
4	Coaxial Cable Strippers
1	Hex Wrench
1	Soft Jaw Plier

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.