

DMC1383 HD51 Hydraulic Crimp Tool Kit



The **HD51** Hydraulic Crimp Tool utilizes a rugged, lightweight construction capable of 5.5 tons of die force. The large, padded handle grips provide additional ergonomic advantage.

The **DMC1383** HD51 Hydraulic Crimp Tool Kit includes die sets for insulated/uninsulated terminals/splices (#8-2/0). In addition, the **DMC1383** kit contains illustrated operating instructions for all the tooling included.

STANDARD HD51 HYDRAULIC CRIMP TOOL

INTRODUCTION THIS DATA SHEET COVERS THE PROPER USE OF THE HD51 HYDRAULIC CRIMP TOOL. READ THE INFORMATION CONTAINED HEREIN CAREFULLY BEFORE USING THE TOOL.

DESCRIPTION
THE HYDRAULIC TOOL IS OPERATED BY PUMPING BOTH HANDLES. IT CAN BE OPERATED WITH ONE HAND BY GRIPPING THE STATIONARY HANDLE ON A FLAT SURFACE. IT HAS A FORCE OF 5.5 TONS AND REELS AIR LESS. THE TOOL HAS AN ADJUSTABLE "CLICK" TO PREVENT OVER-COMPRESSION. IT HAS A 90 DEGREE ROTATING HEAD FOR EASY ACCESSIBILITY IN COMPACT WIRING AREAS.

SELECTION OF POSITIONING DIE
Determine proper positioning die set to be used for the crimp.

OPERATING PROCEDURES
1. OPEN HEAD AND INSERT CRIMPING DIE. THE HEAD ASSEMBLY HAS TWO SLITS TO SLIDE THE DIES IN AND OUT EASILY.
2. LOCK THE HEAD OVER THE CONNECTOR AND PUMP THE HANDLE UNTIL AN ADJUSTABLE "CLICK" IS HEARD.

3. ACTIVATE THE PRESSURE RELEASE TRIGGER TO RETRACT THE RAM.

WARNING !!!
DO NOT PRESS THE PRESSURE RELEASE TRIGGER UNTIL "CLICK" IS HEARD AND CRIMP IS COMPLETE. DAMAGE TO TOOL WILL OCCUR IF PRESSURE IS RELEASED BEFORE CRIMP IS COMPLETED. DO NOT BURN THE TOOL WITHOUT DIE.

4. TO REMOVE THE DIE, OPEN HEAD AND REMOVE DIE BY SLIDING ALONG SLOT.

REFILLING THE RESERVOIR AND BLEEDING THE TOOL
1. FIT A SET OF DIES. GRIP THE HANDLE UNTIL DIES ARE CLOSED. OR AS FAR AS DIES WILL CLOSE.
2. INVERT TOOL AND ALLOW AIR TO RISE TO TOP OF RESERVOIR.
3. UNLOCK RESERVOIR COVER AND REMOVE FILLER PLUG. FILL WITH OIL.
4. PRESSURE RELEASE TRIGGER. EXCESS OIL WILL BE EJECTED FROM RESERVOIR AS RAM RETRACTS.
5. REPLACE FILLER PLUG AND RESERVOIR COVER.
6. PUMPING THE FULL CLOSURES WITH THE TOOL INVERTED.

REV. A COPYRIGHT 2011 DANIELS MANUFACTURING CORP. ORLANDO, FLORIDA, U.S.A. ALL RIGHTS RESERVED. ISO279

Instruction Sheets

KIT CONTENTS	
1	HD51 Crimp Tool (Hydraulic)
6	Die Sets (Insulated)
6	Die Sets (Non-Insulated)



Coverage: Insulated and Non-Insulated Terminals and Splices

Type of Construction: Steel/Aluminum

Type of Inserts: Unicellular Polyethylene Foam with Die Cut Tool Cavities

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.