

INCH-POUND

MIL-DTL-83507/15A

25 July 2025

SUPERSEDING

MIL-T-83507/15

7 December 1977

DETAIL SPECIFICATION SHEET

TOOL KITS, ELECTRICAL CONNECTORS, CONTACTS, AND CONNECTOR AND CABLE ACCESSORIES: TOOL KIT, GENERAL PURPOSE, BACKSHELL HARDWARE TOOLS

Inactive for new design after September 1, 1999.

This specification is approved for use by all Departments and Agencies of the
Department of Defense.

The complete requirements for procuring the tool kit described herein shall consist of this
document and the latest issue of Specification MIL-DTL-83507.

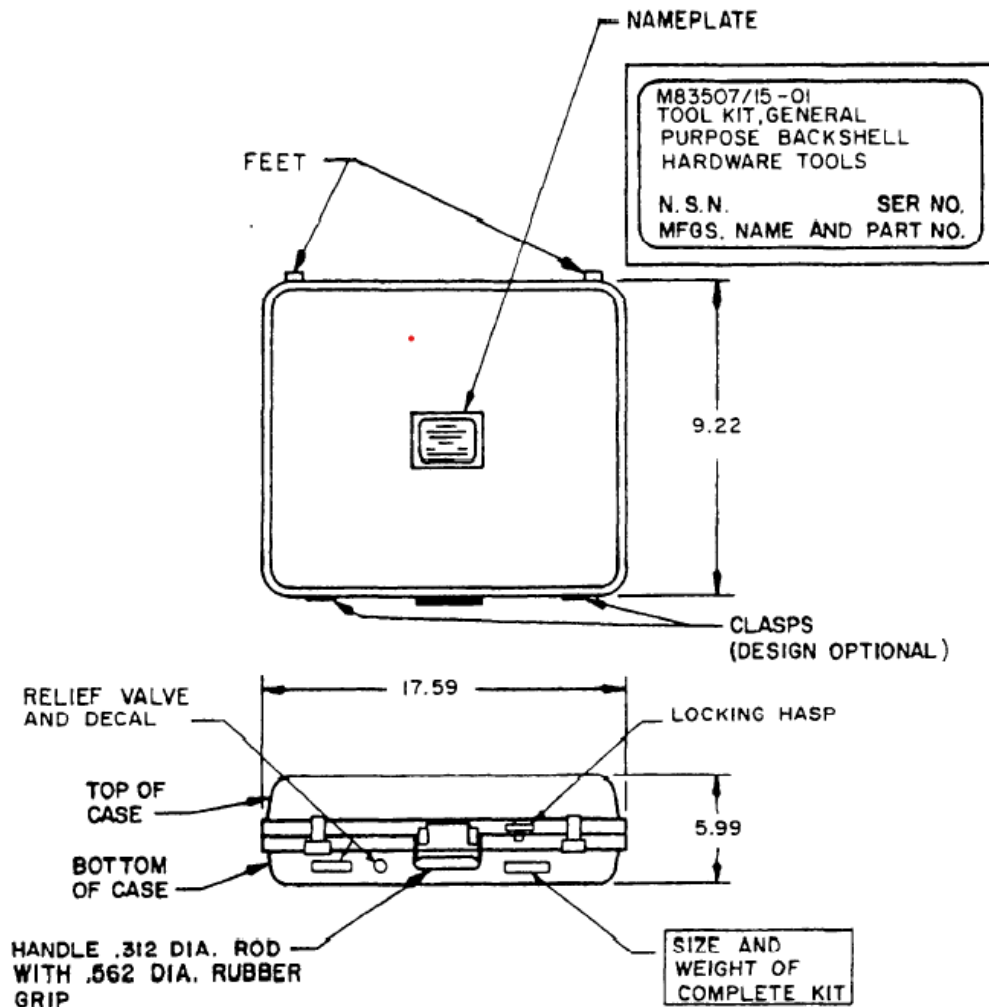


FIGURE 1 Metal case. Tool kit, general purpose, backshell hardware tools

NOTES:

1. Part number M83507/15-01 includes case and tools.
2. Part number M83507/15-02 for case only (tools not included).

Part List:

(1)	M3507/15-02	Tool case assembly
(1)	Glenair G79005	Straight handle (1/4 drive each end) (or approved equivalent)
(1)	Glenair G79006	Tee handle (1/4 drive) (or approved equivalent)
(1)	Glenair TG73	Strap wrench 1.25 (31.8 mm) maximum diameter (or approved equivalent)
(1)	Glenair TG74	Strap wrench 2.50 (63.5 mm) maximum diameter (or approved equivalent)
(1)	Glenair G79008	Adapter 3/8 to 1/4 drive (or approved equivalent)
(1)	Glenair G79007	Shaft extension 14.00 (355.6 mm) (or approved equivalent)
(1)	Glenair TG70	Strap wrench 3.00 inch (76.20 mm) maximum diameter (or approved equivalent)
(1)	Glenair TG69-P	Pliers, soft jaw (or approved equivalent)
(1)	Glenair G79010	Pencil, marking (or approved equivalent)
(1)	Glenair TG76-1	Pliers, parallel jaw (or approved equivalent)
(1)	Glenair TG76-2	Pliers, parallel jaw (or approved equivalent)
(1)	Glenair TG76-3	Pliers, parallel jaw (or approved equivalent)
(1)	Glenair TG76-4	Pliers, parallel jaw (or approved equivalent)
(1)	Glenair TG76-5	Pliers, parallel jaw (or approved equivalent)
(1)	Glenair TG76-6	Pliers, parallel jaw (or approved equivalent)
(1)	Glenair GTSQ150	Wrench torque (0 to 150 inch-pounds) (or approved equivalent)
(1)	SAE-AS90387	(R) Wiring installation tools for plastic and metal tiedown straps.
(1 set)		Contents charts, instruction sheets, and tool selection chart.

FIGURE 1 Metal case. Tool kit, general purpose, backshell hardware tools – Continued

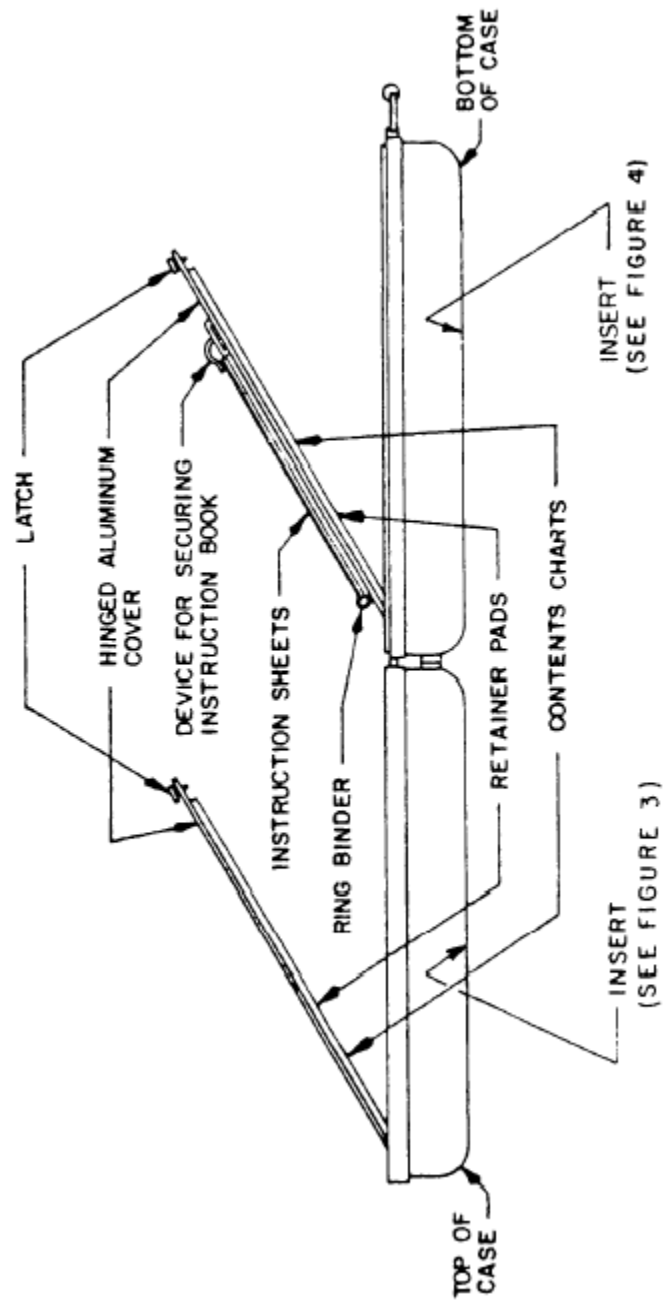


FIGURE 2 Metal case. Tool case assembly.

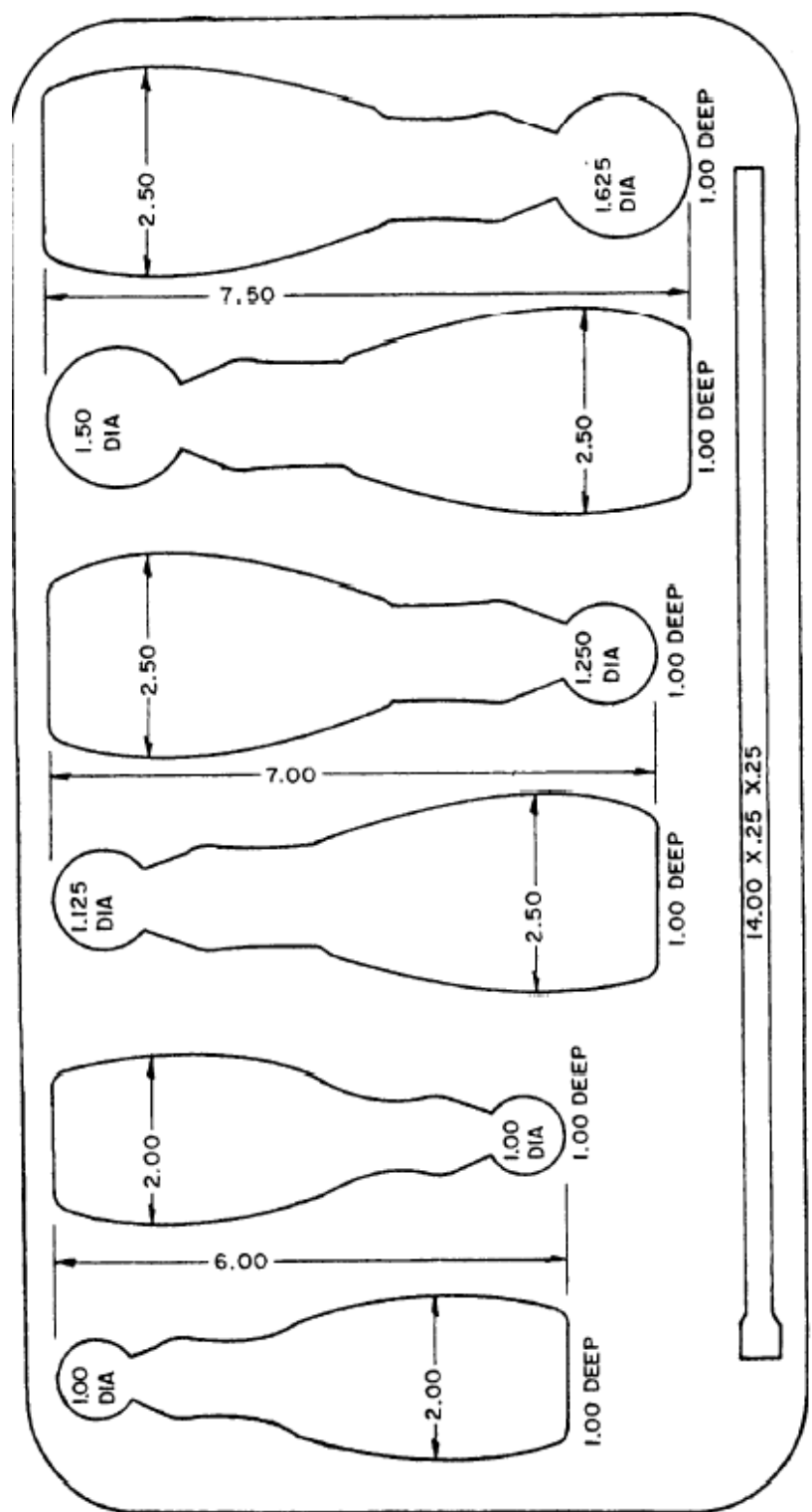


FIGURE 3 Metal case. Insert (top of case).

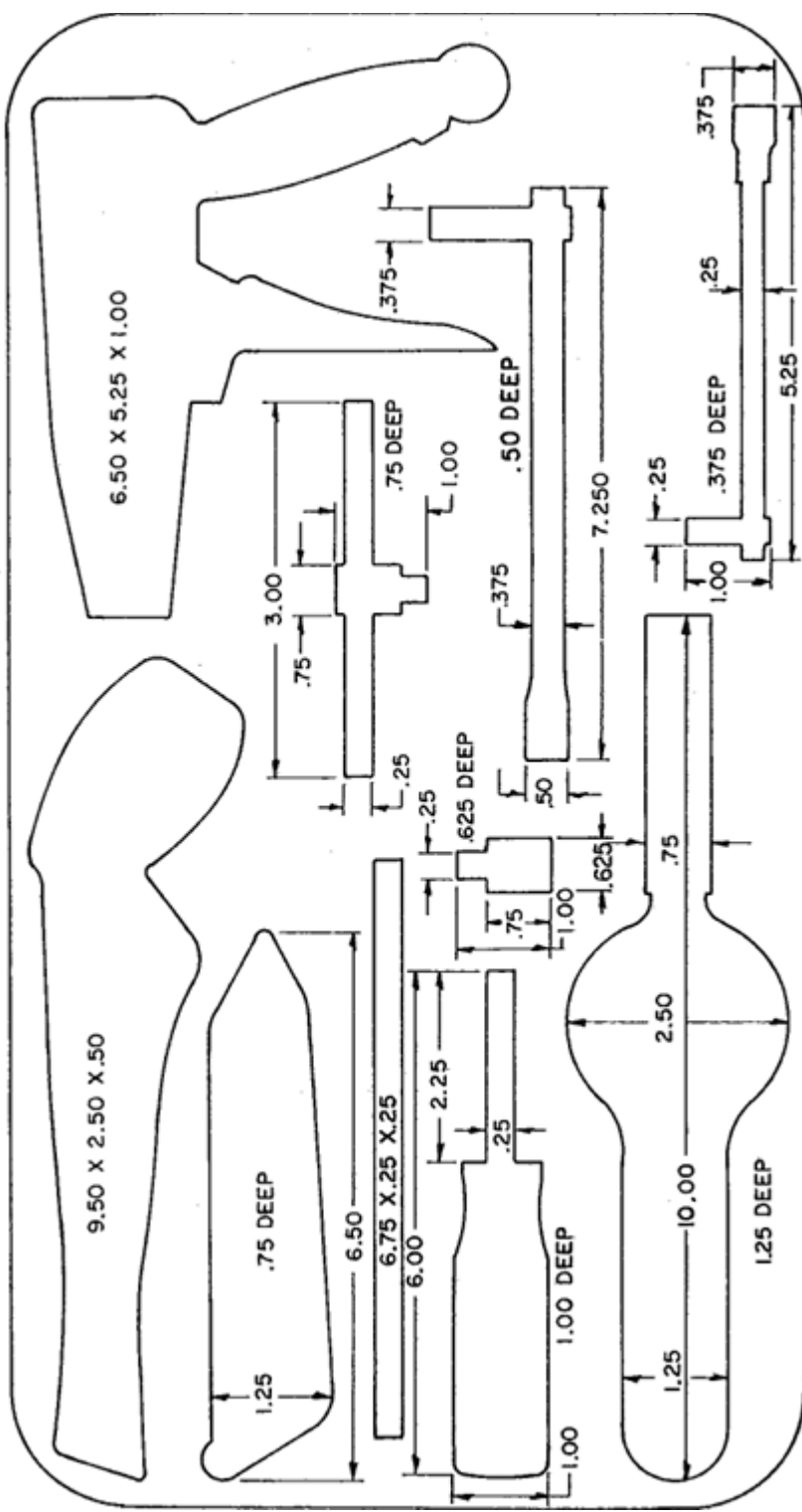


FIGURE 4 Metal case. Insert (bottom of case).

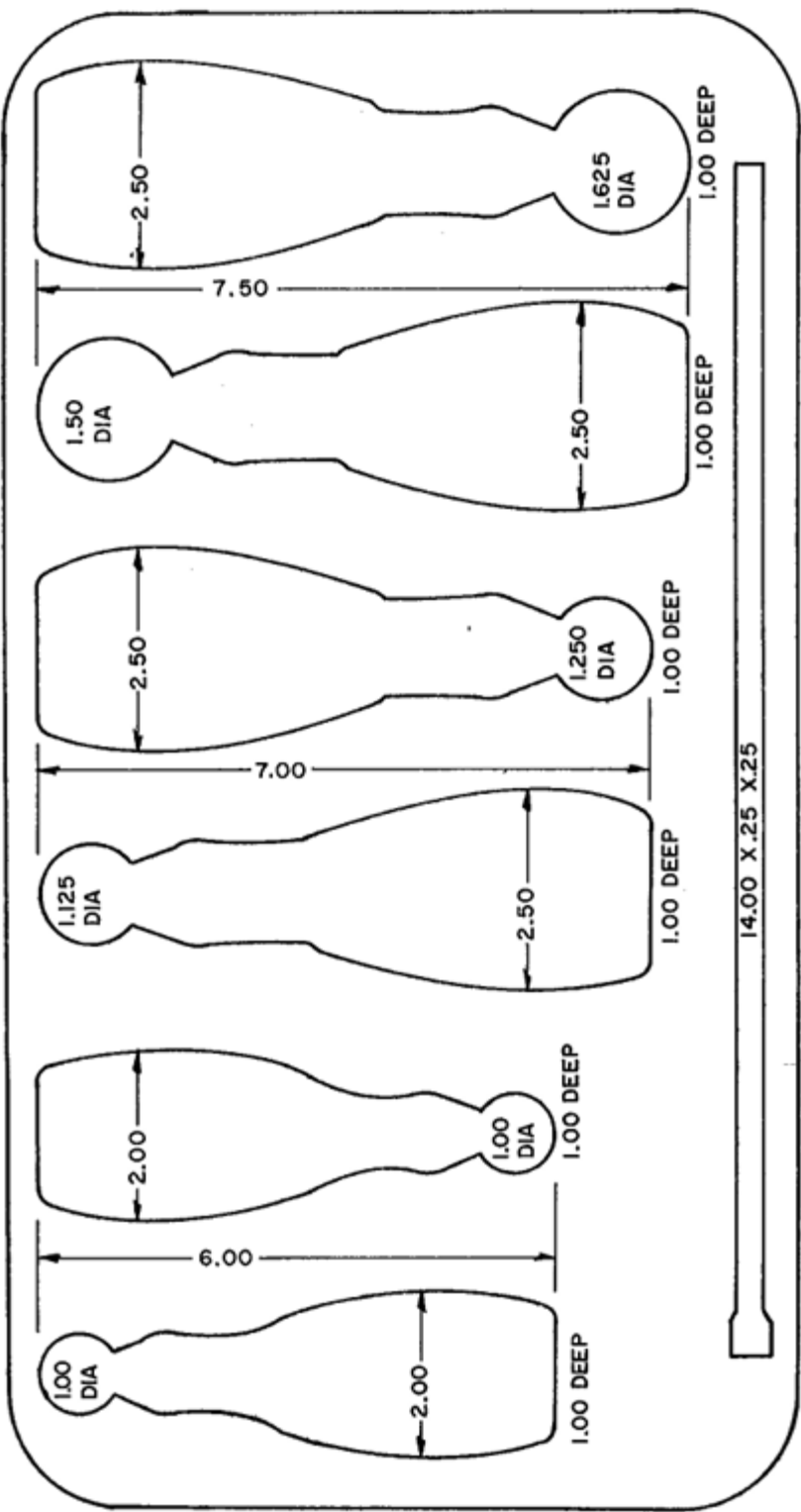


FIGURE 5 Metal case. Contents chart (top of case).

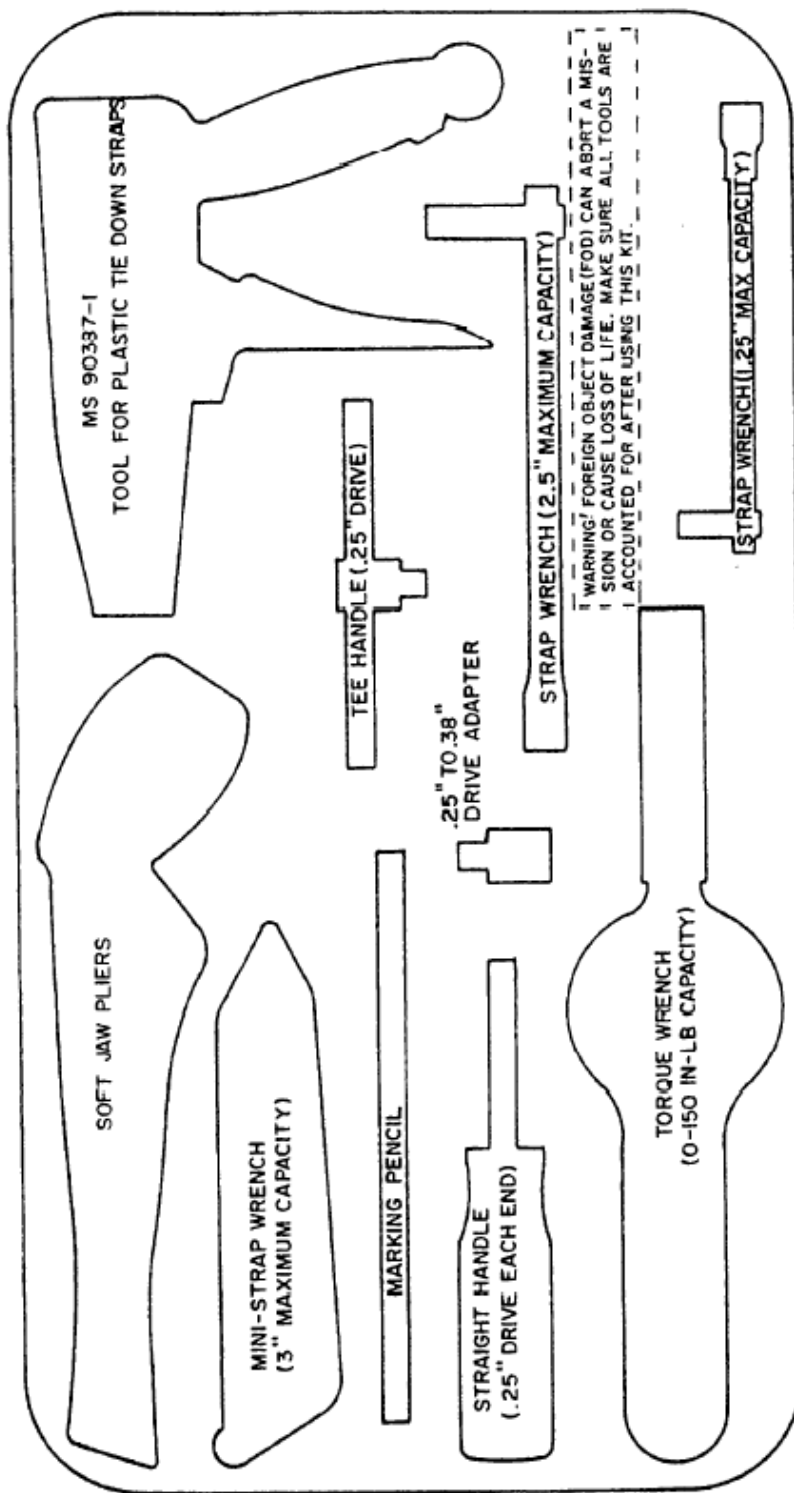


FIGURE 6 Metal case. Contents (bottom of case).

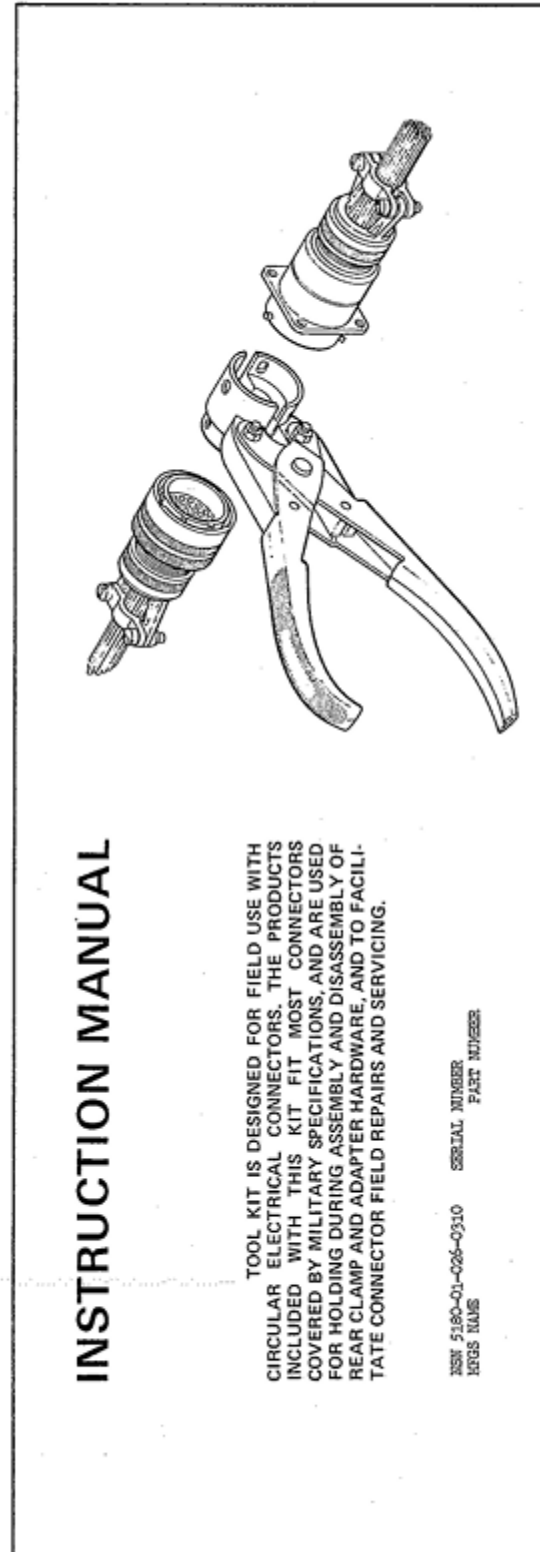


FIGURE 7 Metal case. Instruction sheet.

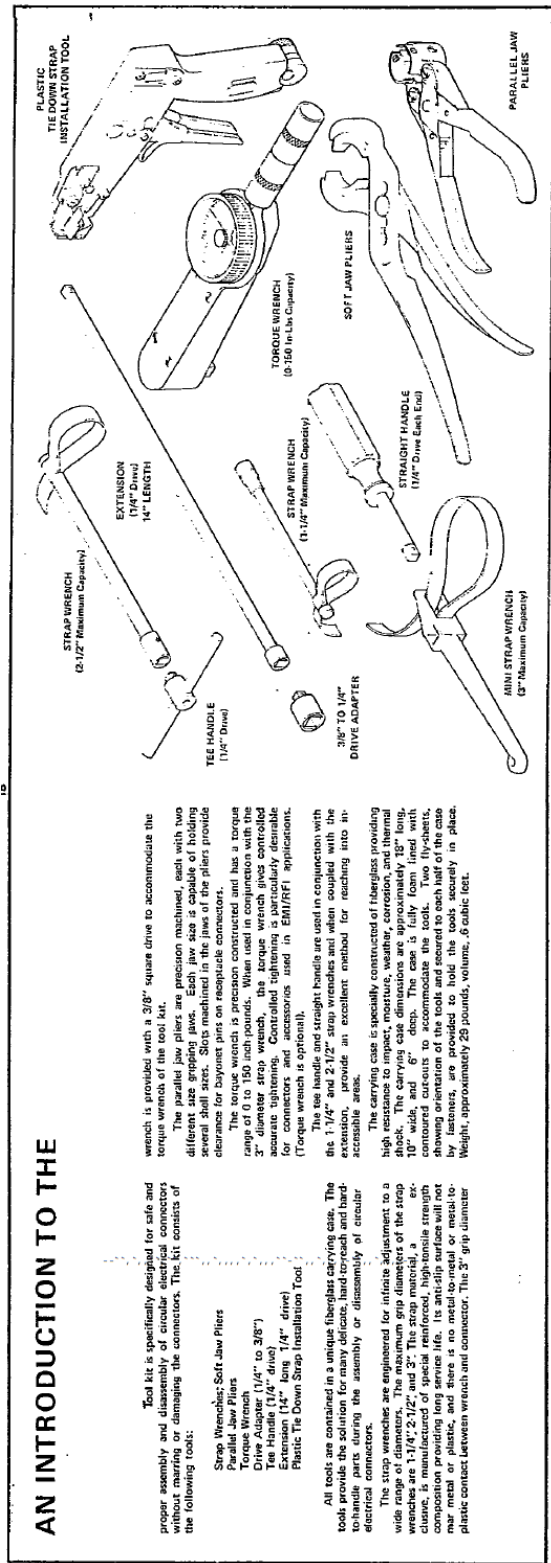


FIGURE 8 Metal case. Instruction sheet.

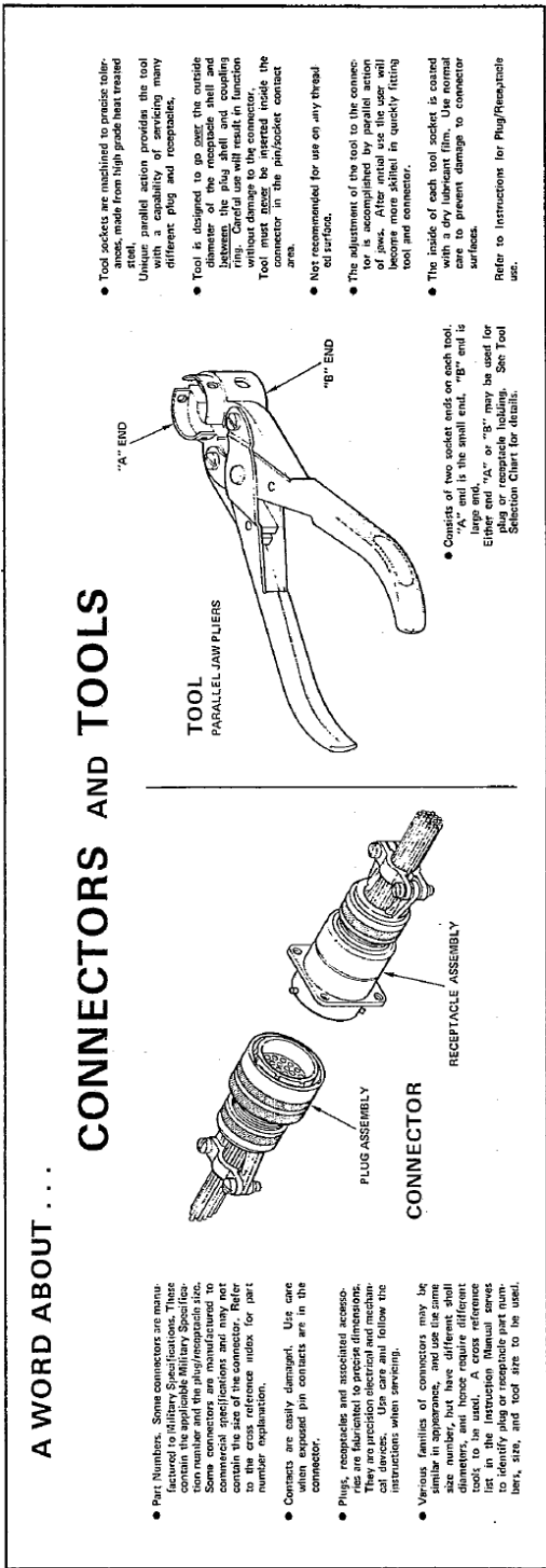


FIGURE 9 Metal case. Instruction sheet.

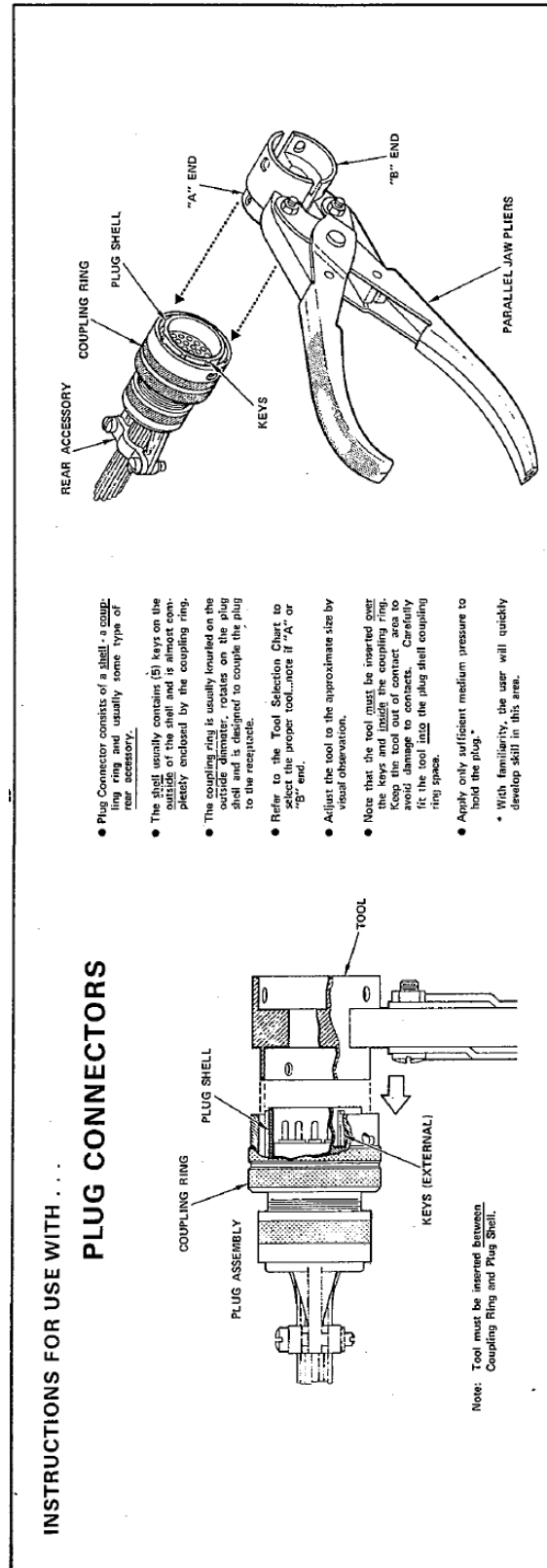


FIGURE 10 Metal case. Instruction sheet.

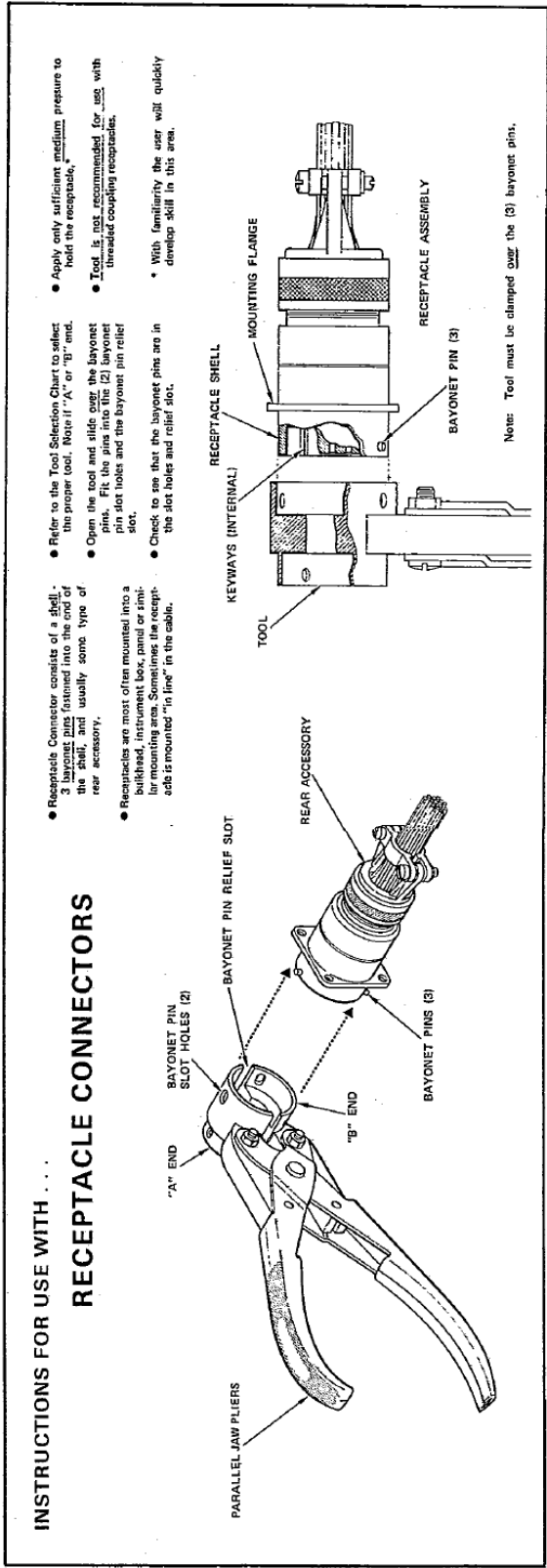


FIGURE 11 Metal case. Instruction sheet.

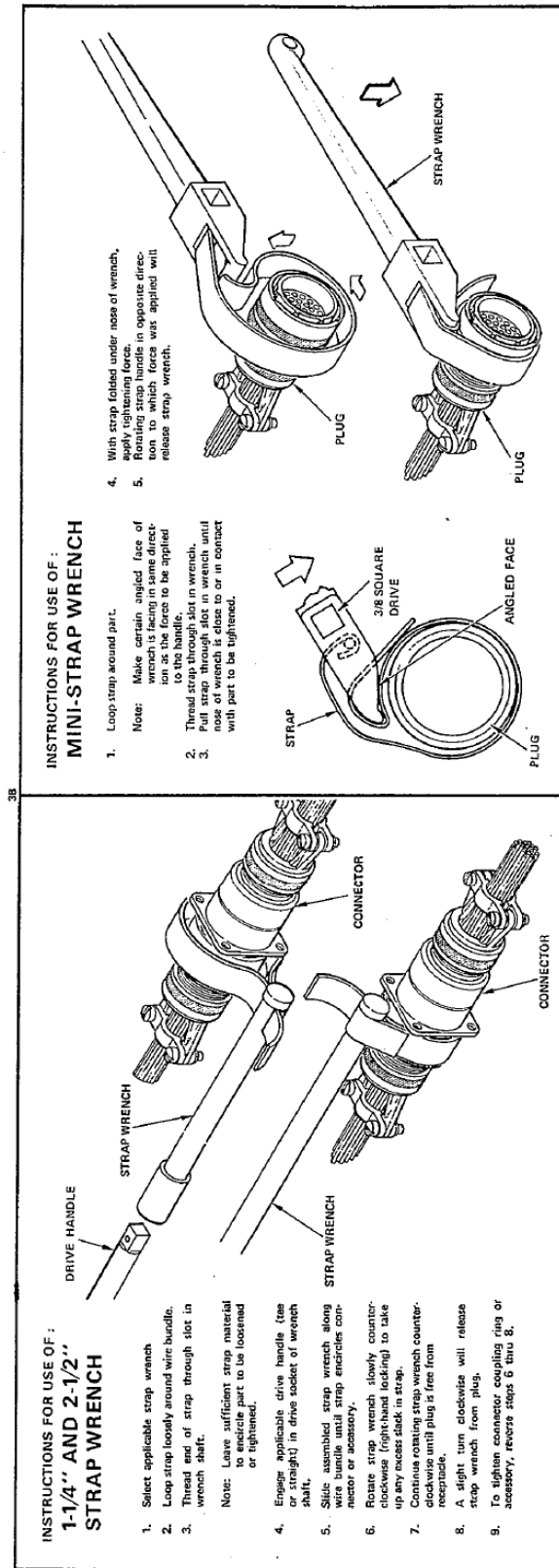


FIGURE 12 Metal case. Instruction sheet.

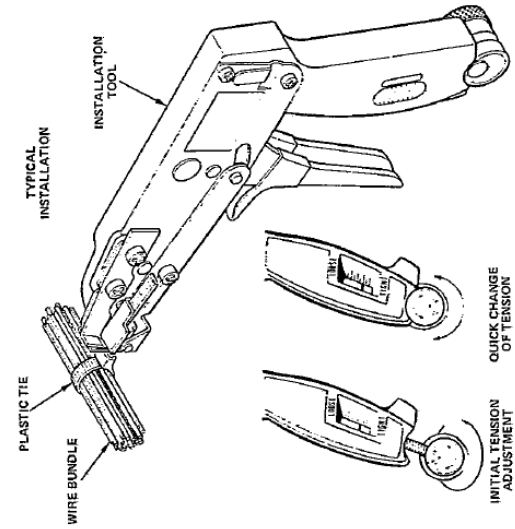
INSTRUCTIONS FOR USE OF :
PLASTIC TIE DOWN STRAP INSTALLATION TOOL
MS 90387-1

FOR USE ON PLASTIC CABLE TIE:
MS 3387-1, 2, 4, 5
MS 3388-1, 2, 3, 4, 5

- Initial tension adjustment is made as shown in the illustration. If different width cable ties are to be installed, tension adjustment should be made for the smaller tie first with the quick adjustment knob and then counter-clockwise to the "fuser" position.
- If, for example, the setting was made for the MS 3387-4 tie, (1.00 inches wide) clockwise rotation of the knob to the "right" position should produce satisfactory installation with the MS 3387-1 tie, (.750 inches wide).
- Place self-clinching tie around the wire bundle per instructions. Load the tool from the side placing the cable tie in the nose of the tool. Keep tool close to head of tie. Squeeze handle of tool until tail of tie is seated. If the handle may require repeated trigger action.

QUICK CHANGE OF TENSION

INITIAL TENSION ADJUSTMENT



INSTRUCTIONS FOR USE OF :
TORQUE WRENCH

Note: Torque wrench is for use in conjunction with any of the strap wrenches.

1. Insert drive of torque wrench into drive socket of strap wrench.
2. Tighten until desired torque is reached.
3. Use drive adapter when using 1-1/4" and 2-1/2" strap wrenches.

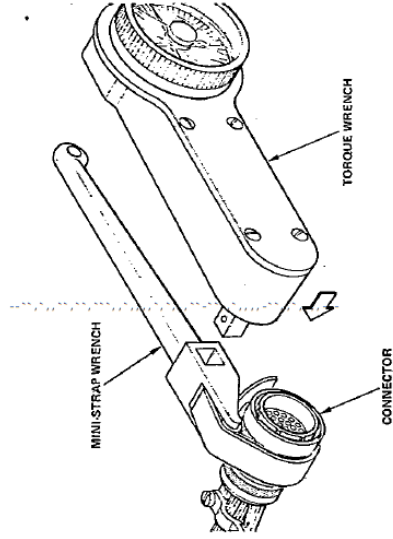


FIGURE 13 Metal case. Instruction sheet.

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PARTS LIST - KIT NO. - M83507/15-01	
PART NUMBER	DESCRIPTION
G 78000	TOOL CASE WITH (2) FLY LEAFS
G 79001	PLASTIC INSTRUCTION SHEETS
G 79005	HANDLE - STRAIGHT
G 79006	TEE HANDLE
TG 73	1-1/4" MAXIMUM DIAMETER STRAP WRENCH
TG 74	2-1/2" MAXIMUM DIAMETER STRAP WRENCH
G 79008	DRIVE ADAPTER, 3/8" TO 1/4"
G 79007	14" EXTENSION SHAFT
TG 70	3" MINI-STRAP WRENCH
TG 69-P	SOFT JAW PLIERS
G 79010	MARKING PENCIL
TG 76-1	PARALLEL JAW PLIERS
TG 76-2	PARALLEL JAW PLIERS
TG 76-3	PARALLEL JAW PLIERS
TG 76-4	PARALLEL JAW PLIERS
TG 76-5	PARALLEL JAW PLIERS
TG 76-6	PARALLEL JAW PLIERS
GTSQ 150	TORQUE WRENCH (0-150 lb.-ft.)
MS 90387	TOOL, HAND, ADJUSTABLE FOR PLASTIC TIE DOWN STRAPS
TG 72	COMPLETE KIT

CAUTION

SOFT JAW PLIERS SHALL NOT BE USED FOR TIGHTENING REAR ACCESSORIES WITH CAPTIVATED OR LOOSE COUP. LING NUT. USE TG 70 STRAP WRENCH.

NOTES:

For connectors listed in Part II, Tool Table Number, MIL-C-28500
MIL-C-38999
MIL-C-81703
MIL-C-83723

shell size designator follows the class letter in the military part number.

Example: MS24266R1E131P6
MS27473T2B5S
MS3147E1B50SY
MS83723-07 R225EN

For connectors listed in Tool Table "Bendix LIT", the actual shell size does not appear in the part number. Refer to Part II Column 3.

For connectors listed in Tool Table "Bendix SJT", shell size is designated as follows:
91-496295-133S.

For connectors listed in Tool Table "Deutsch DS", shell size is designated as follows:
DS07-8121.

For connectors listed in Tool Table "Amphenol" shell size is designated as follows:
480-16E20-33P.

ADDITIONAL NOTES

The following space is provided for the user. A marking pencil is included. Any pertinent information should be recorded. Any suggestions as to tool content, instruction format, etc. should be forwarded to:

Headquarters, **AETC/OTDP**
Wright Patterson Air Force Base
Dayton, Ohio 45433

FIGURE 14 Metal case. Instruction sheet.

PART I										
CONNECTOR PART NO.	CONNECTOR SPECIFICATION REFERENCE	TOOL TABLE NO.	CONNECTOR PART NO.	CONNECTOR SPECIFICATION REFERENCE	TOOL TABLE NO.	CONNECTOR PART NO.	CONNECTOR SPECIFICATION REFERENCE	TOOL TABLE NO.	CONNECTOR SPECIFICATION REFERENCE	TOOL TABLE NO.
MS3147	MILC-81703	①	87-488703			91-486266	1835C		91-539788	
MS3148			87-488701			91-539701			91-539789	
MS3445			87-488704			91-539704			91-539770	
MS24266	MILC-26500	②	87-488705			91-539705				
MS27467			87-488710			91-539706				
MS27498			87-488711			91-539710				
MS27473			87-488712			91-539711				
MS27460	MILC-38999	③	87-488713			91-539712				
MS0027484			87-488714			91-539713				
MS0027500			87-488718			91-539714				
			87-488720			91-539718				
MS3723-07			87-488721			91-539719				
MS3723-08			87-488722			91-539720				
MS3723-13			87-488723			91-539721				
MS3723-14			87-488729			91-539727				
MS3723-17			87-488730			91-539728				
MS3723-18			87-488727			91-539729				
MS3723-23			87-488738			91-539732				
MS3723-24			87-488739			91-539738				
MS3723-30			87-488740			91-539739				
MS3723-37			87-488743			91-539740				
MS3723-42			87-488748			91-539747				
MS3723-43			87-488749			91-539748				
MS3723-48			87-488750			91-539749				
MS3723-49			87-488757			91-539750				
MS3723-75			87-488758			91-539757				
MS3723-76			87-488759			91-539758				
MS3723-77			87-488767			91-539759				
MS3723-86			87-488768			91-539766				
MS3723-87			87-488770			91-539767				

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NOTES ON TOOL SELECTION CHART

The following pages provide a cross-reference between connectors and tools required to service them. This chart is intended as a guide, and some special connectors may not be covered.

The Tool Selection Chart is divided into two parts. Part I provides cross-reference between connector part numbers and tool table numbers; Part II provides a cross-reference between Tool Table Number, Connector Part Number and Shell Size and Tool Size.

Part I For selection of the correct tool table number proceed as follows:

1. Determine connector part number.
2. In column 1, find the applicable connector part number.
3. Column 2 references Military or Supplier Specification.
4. Reading across the columns, column 3 indicates the correct Tool Table Number to be used.
5. Turn to Part II, Tool Table Numbers.

Part II For selection of the correct tool size, proceed as follows:

1. Find the required Tool Table Number in Column 1, find the applicable connector part number (connector part numbers are listed in alpha-numeric sequence).
2. To determine shell size from connector part number, see note for example.
3. Find shell size in column 3.
4. Column 4 indicates the tool size and A or B socket end to be used.

FIGURE 15 Metal case. Instruction sheet.

[illegible]

FIGURE 16 Metal case. Instruction sheet

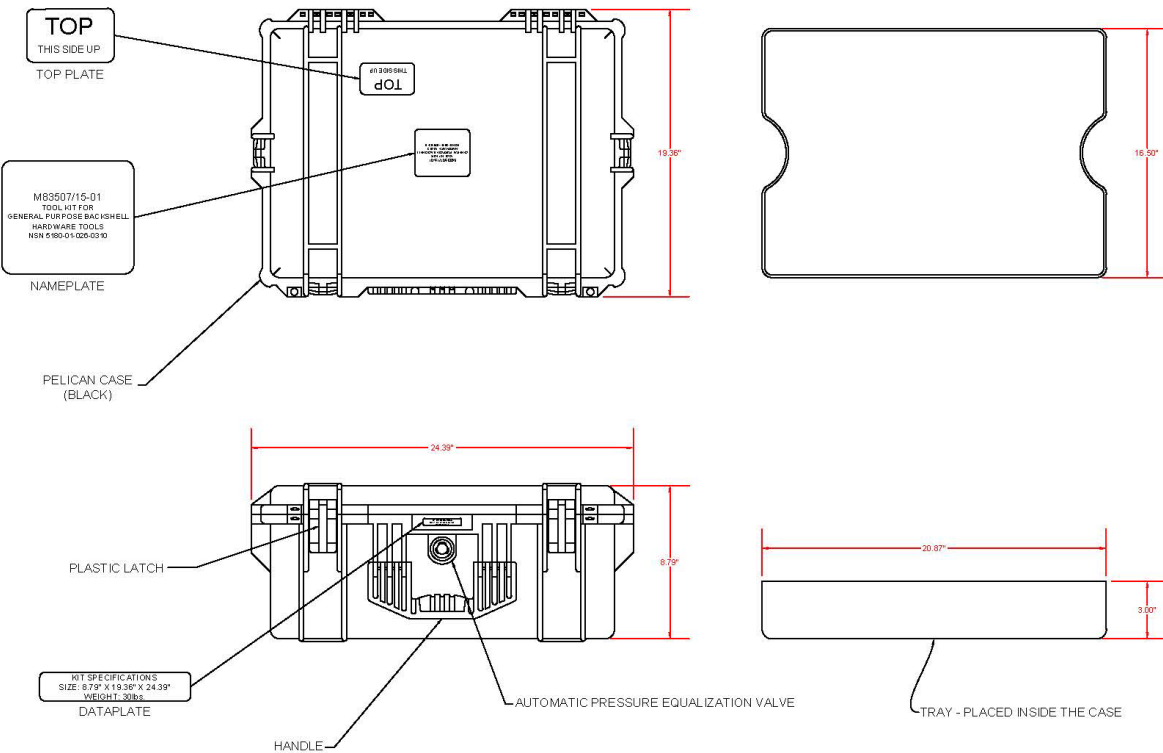


FIGURE 17 Plastic case. TOOL KIT FOR GENERAL PURPOSE BACKSHELL HARDWARE.

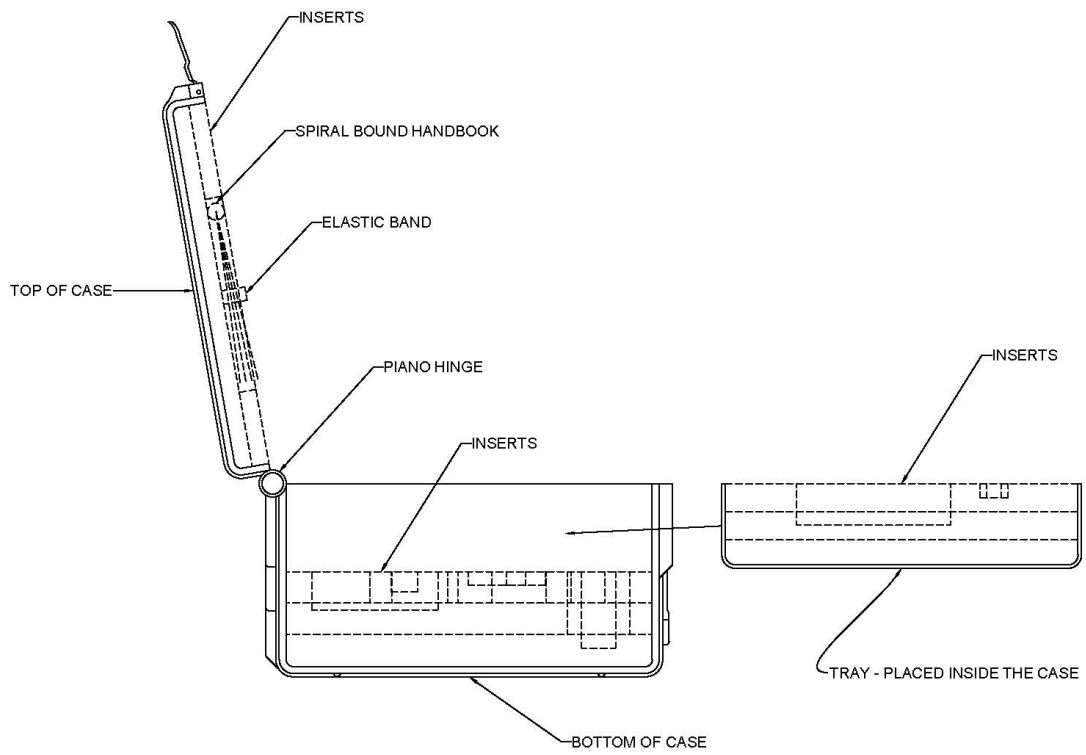


FIGURE 18 Plastic case. TOOL CASE ASSEMBLY.

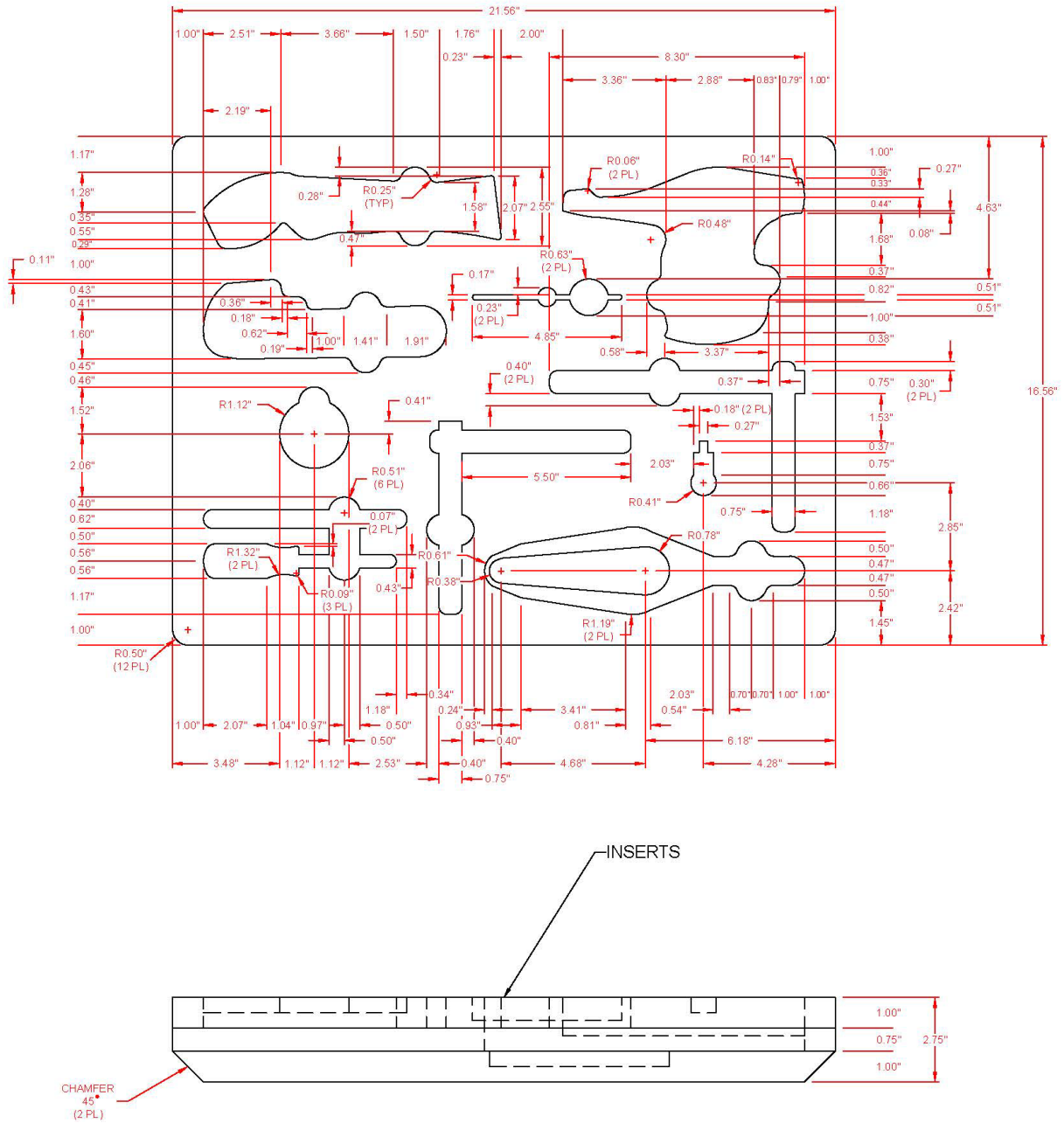


FIGURE 19 Plastic case. INSERT. BOTTOM OF CASE

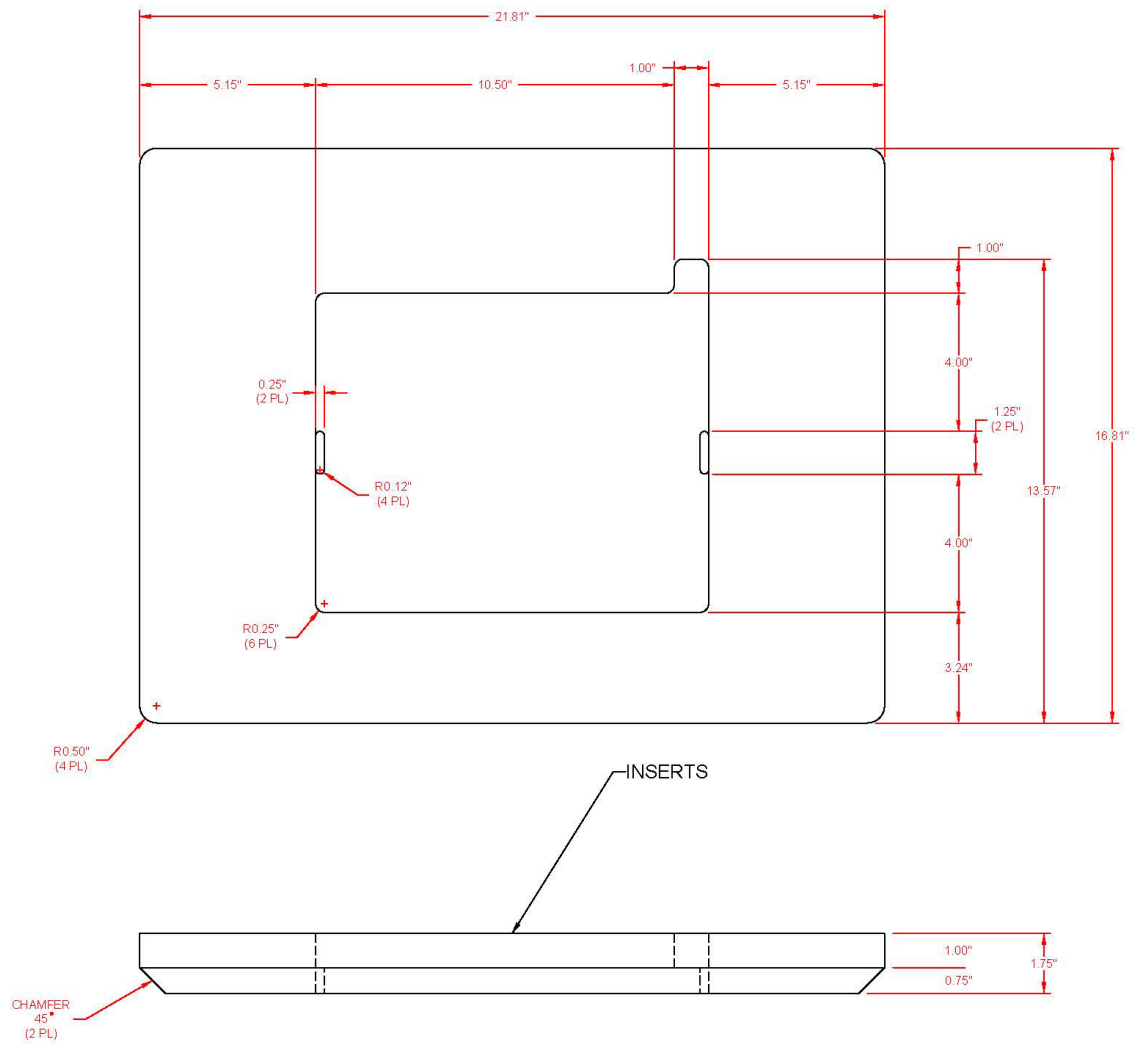


FIGURE 20 Plastic case. INSERT, TOP OF CASE

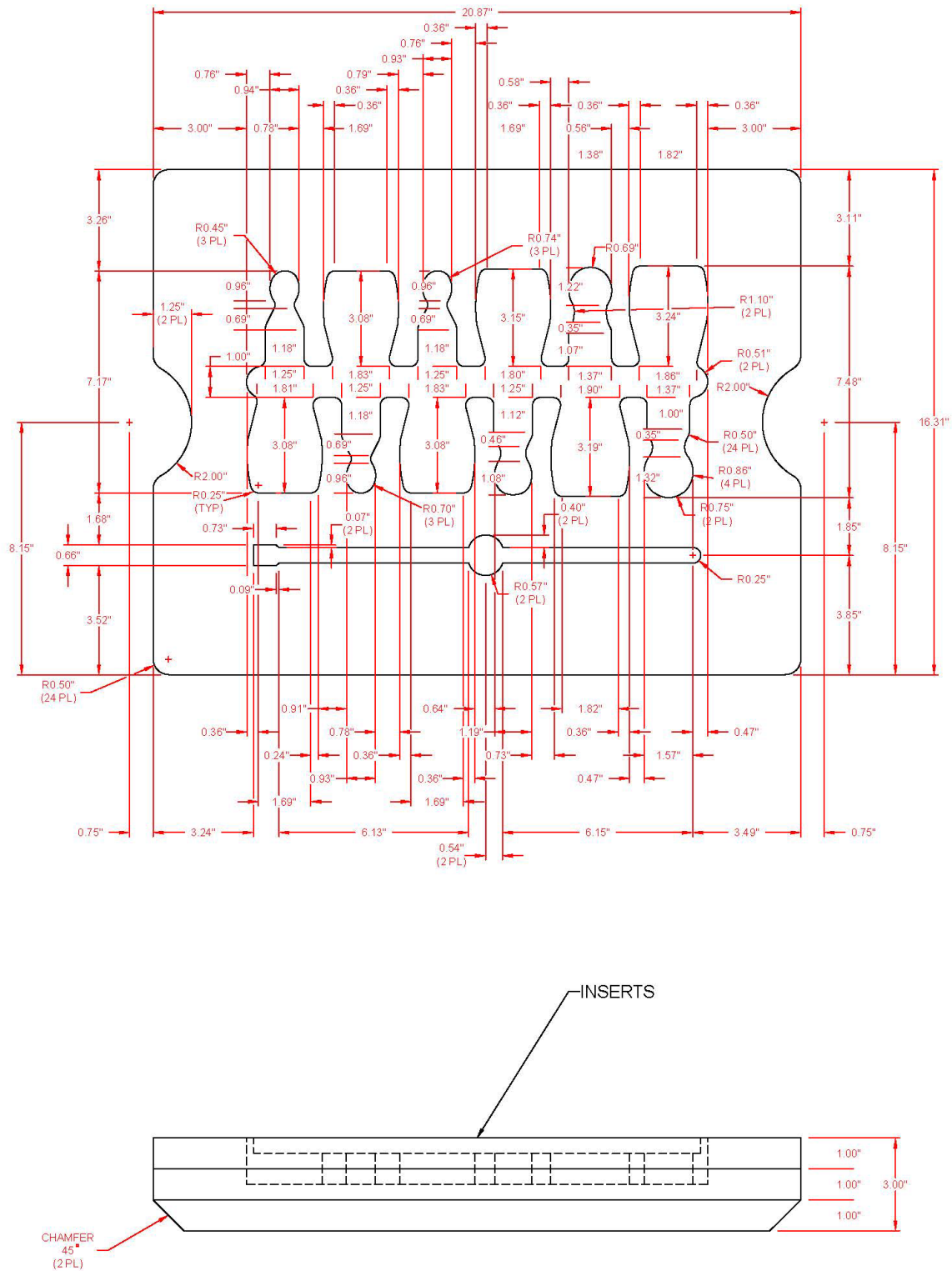


FIGURE 21 Plastic case. INSERT TRAY.

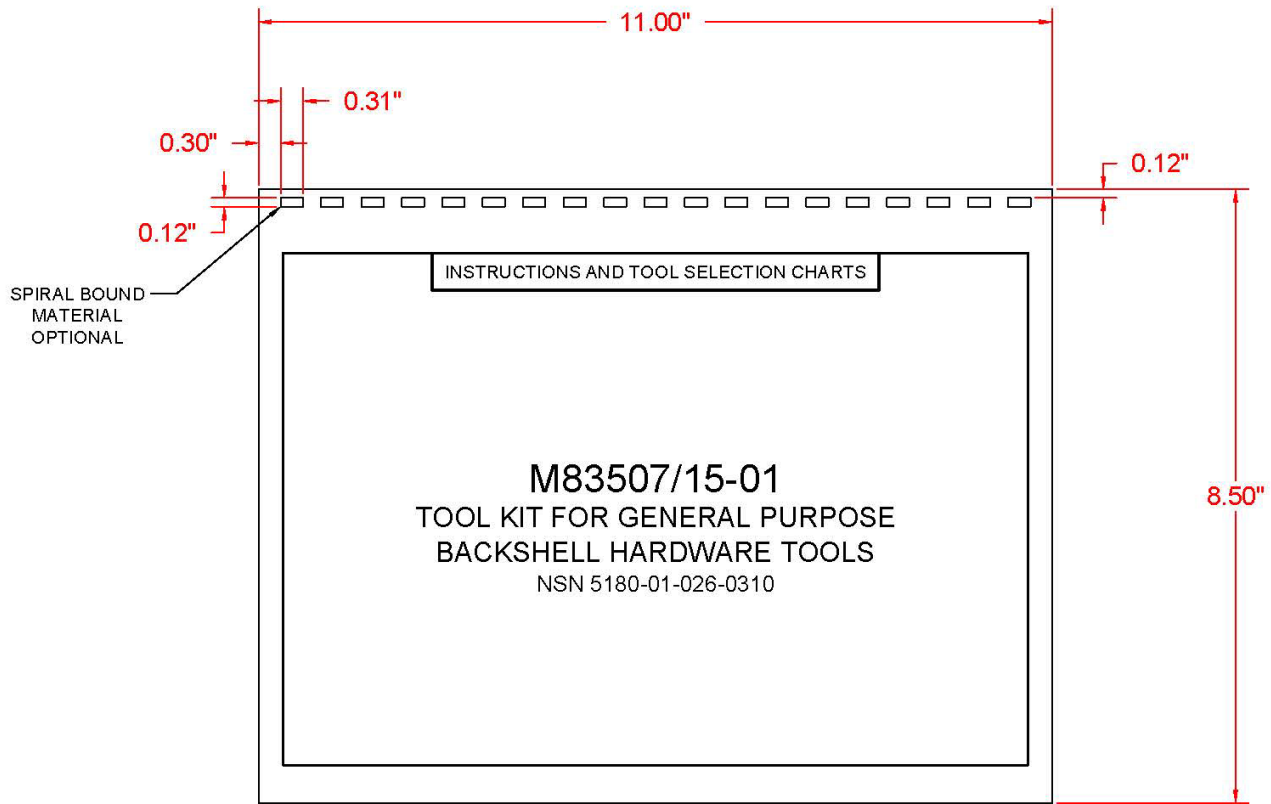


FIGURE 22 Plastic case. Instruction sheet.

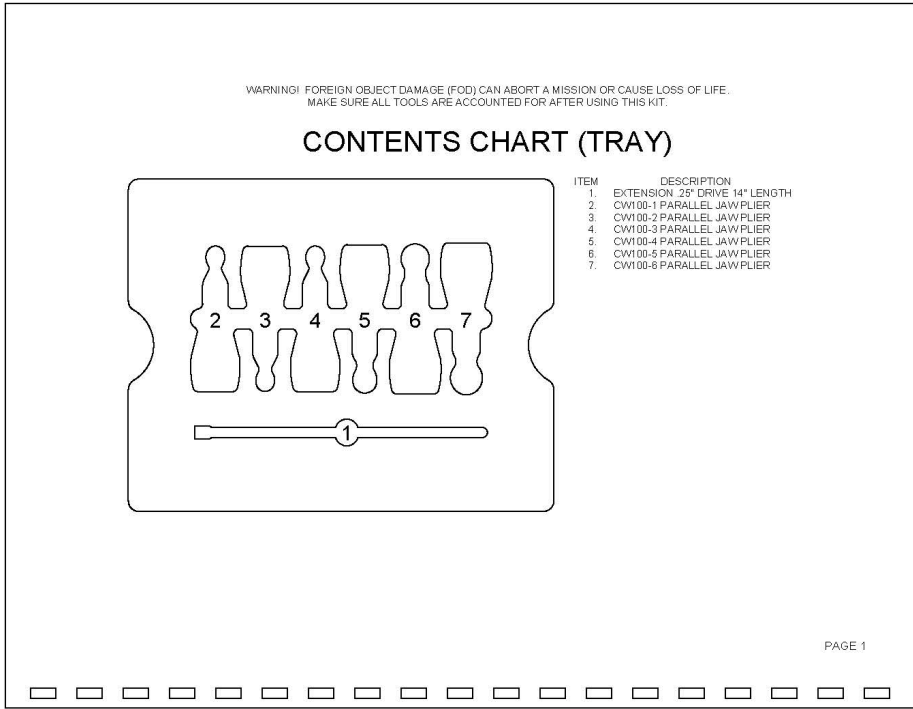


FIGURE 23 Plastic case. Instruction sheet.

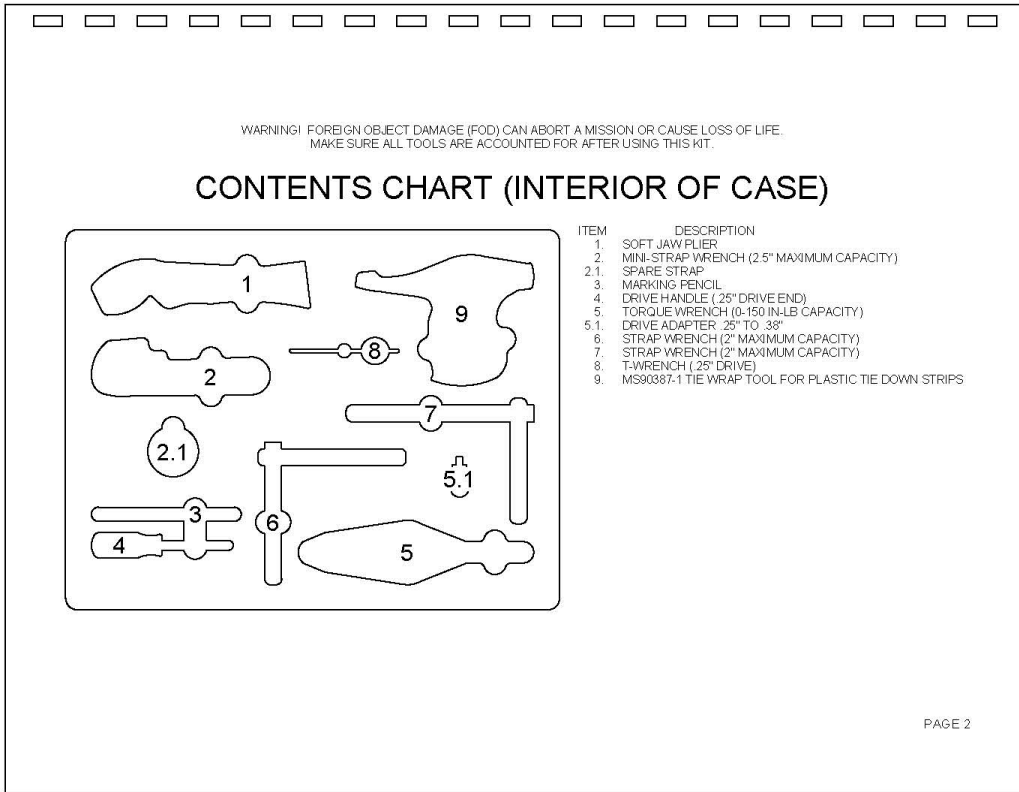


FIGURE 24 Plastic case. Instruction sheet.

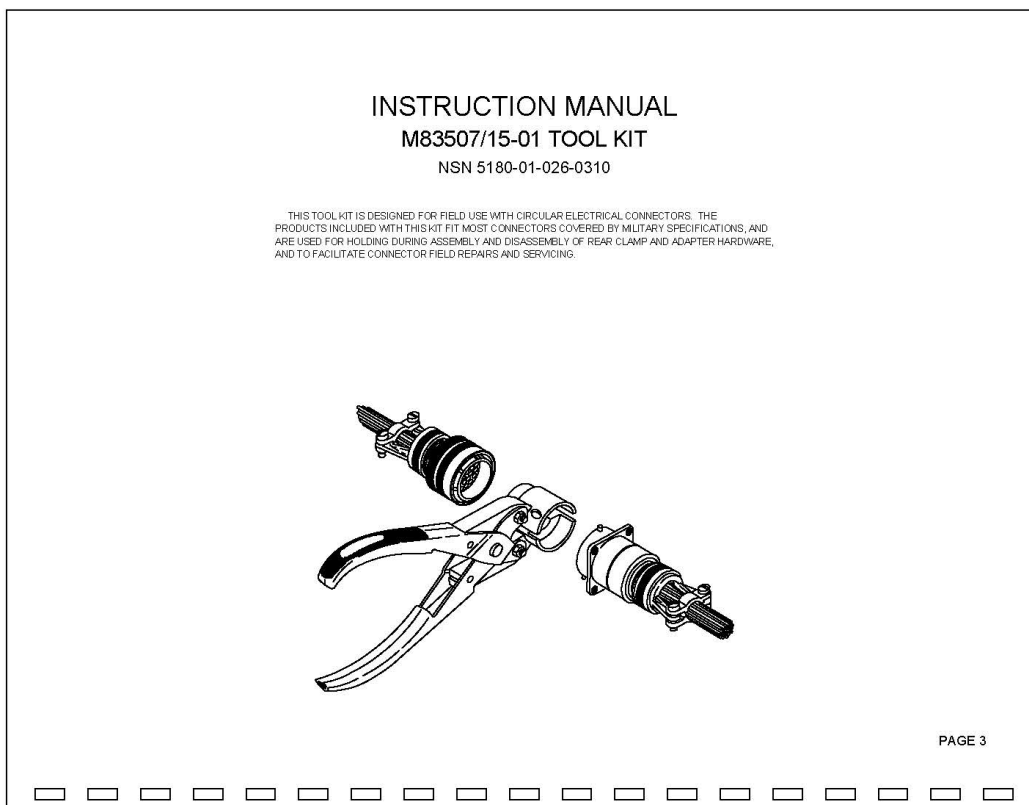


FIGURE 25 Plastic case. Instruction sheet.

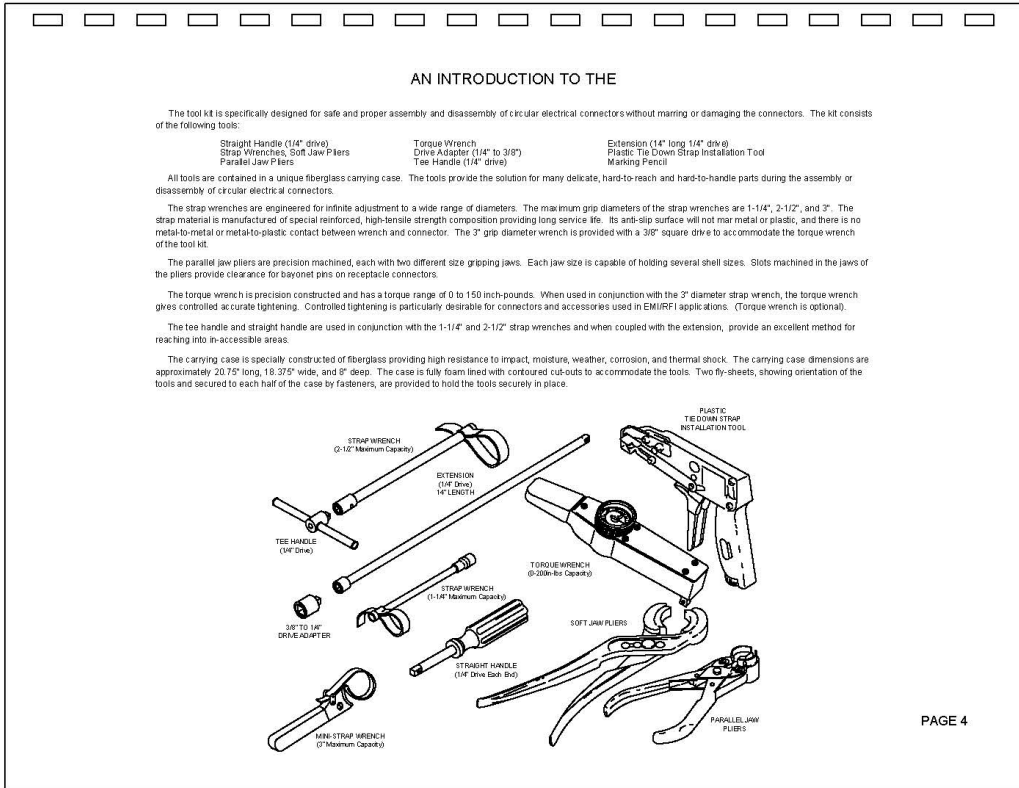
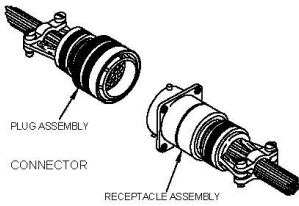


FIGURE 26 Plastic case. Instruction sheet.

A WORD ABOUT...
CONNECTORS AND TOOLS

- Part numbers. Some connectors are manufactured to Military Specifications. These contain the applicable Military Specification number and the plug/receptacle size. Some connectors are manufactured to commercial specifications and may not contain the size of the connector. Refer to the cross reference index for part number explanation.
- Contacts are easily damaged. Use care when exposed pin contacts are in the connector.
- Plugs, receptacles and associated accessories are fabricated to precise dimensions. They are precision electrical and mechanical devices. Use care and follow the instructions when servicing.
- Various families of connectors may be similar in appearance, and use the same size number, but have different shell diameters, and hence require different tools to be used. A cross reference list in the instruction Manual serves to identify plug or receptacle part numbers, size and tool size to be used.

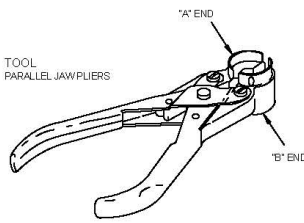


PLUG ASSEMBLY

CONNECTOR

RECEPTACLE ASSEMBLY

- Tool sockets are machined to precise tolerances, made from high grade heat treated steel. Unique parallel action provides the tool with a capability of servicing many different plug and receptacles.
- Tool is designed to go over the outside diameter of the receptacle shell and between the plug shell and coupling ring. Careful use will result in function without damage to the connector. Tool must never be inserted inside the connector in the pin/socket contact area.
- Not recommended for use on any threaded surface.
- The adjustment of the tool to the connector is accomplished by parallel action of jaws. After initial use the user will become more skilled in quickly fitting tool and connector.
- The inside of each tool socket is coated with a dry lubricant film. Use normal care to prevent damage to connector surfaces. Refer to instructions for plug/receptacle use.
- Consists of two socket ends on each tool. "A" end is the small end. "B" end is large end. Either end "A" or "B" may be used for plug or receptacle holding. See Tool Selection Chart for details.



TOOL PARALLEL JAW PLIERS

"A" END

"B" END

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FIGURE 27 Plastic case. Instruction sheet.

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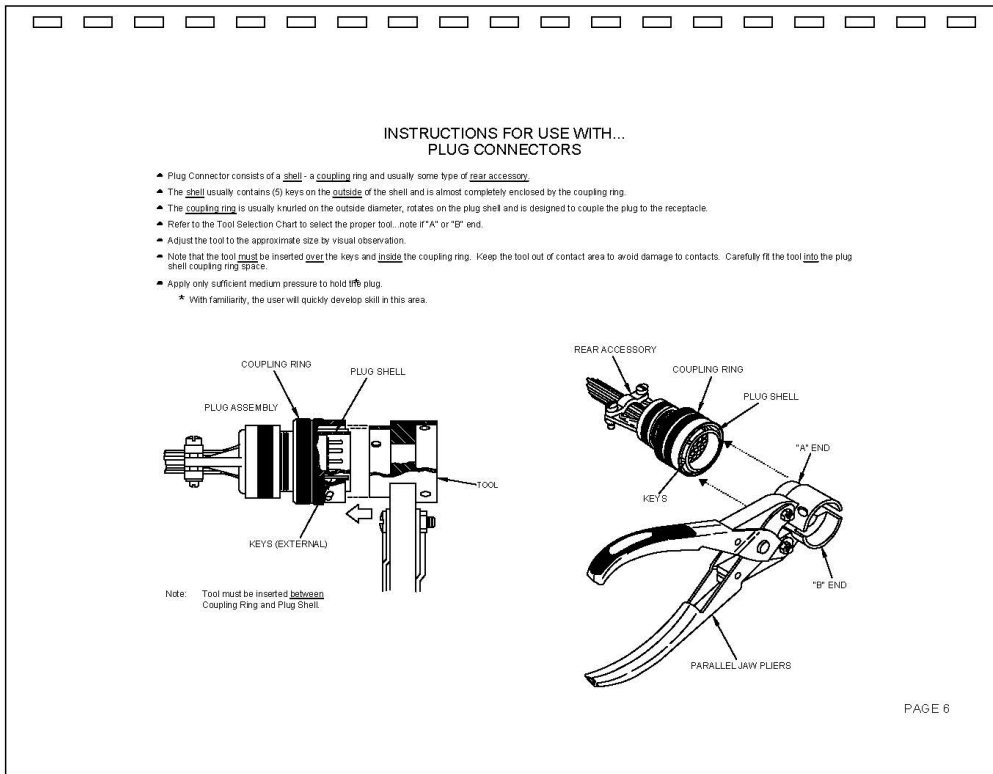


FIGURE 28 Plastic case. Instruction sheet.

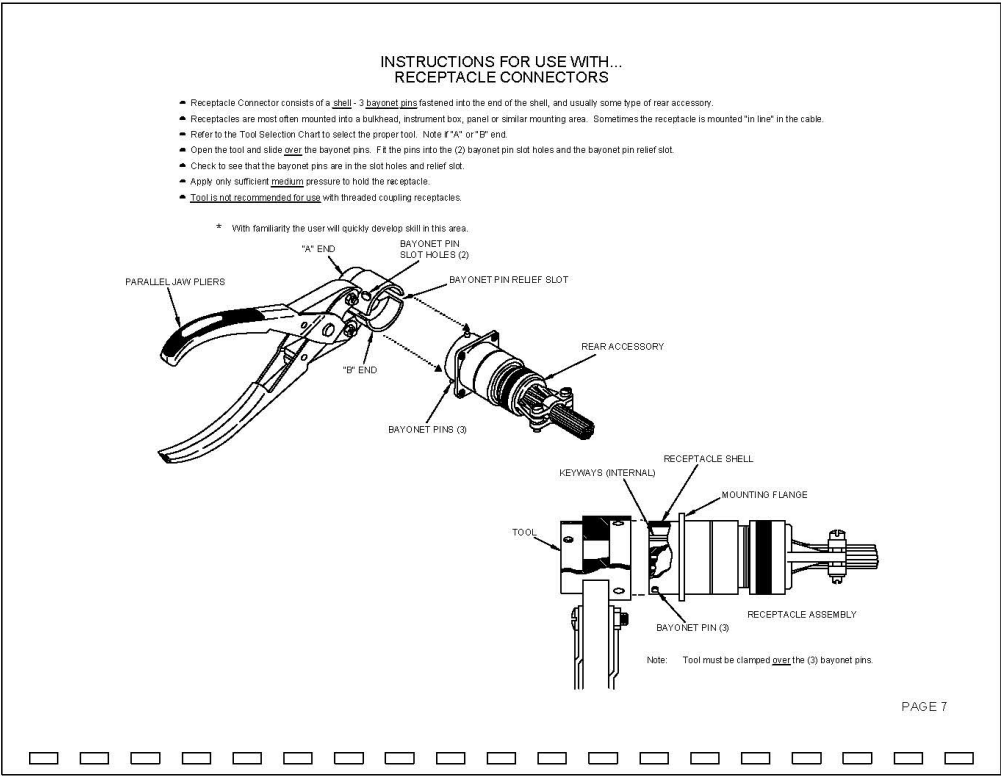


FIGURE 29 Plastic case. Instruction sheet.

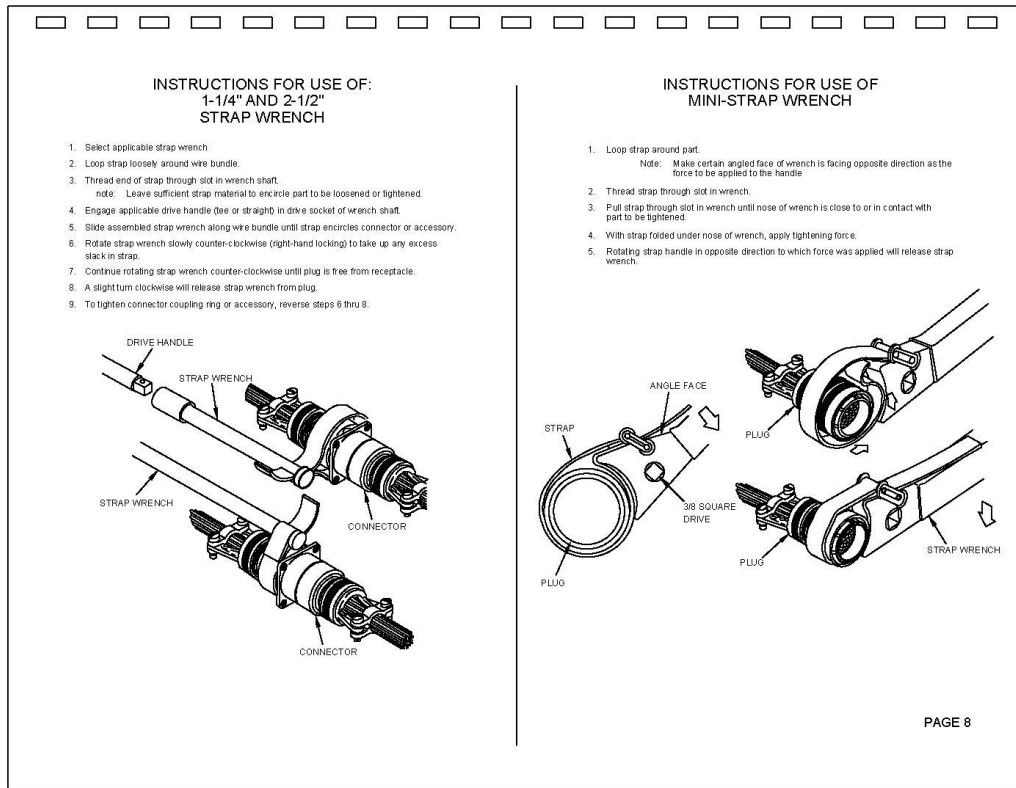


FIGURE 30 Plastic case. Instruction sheet.

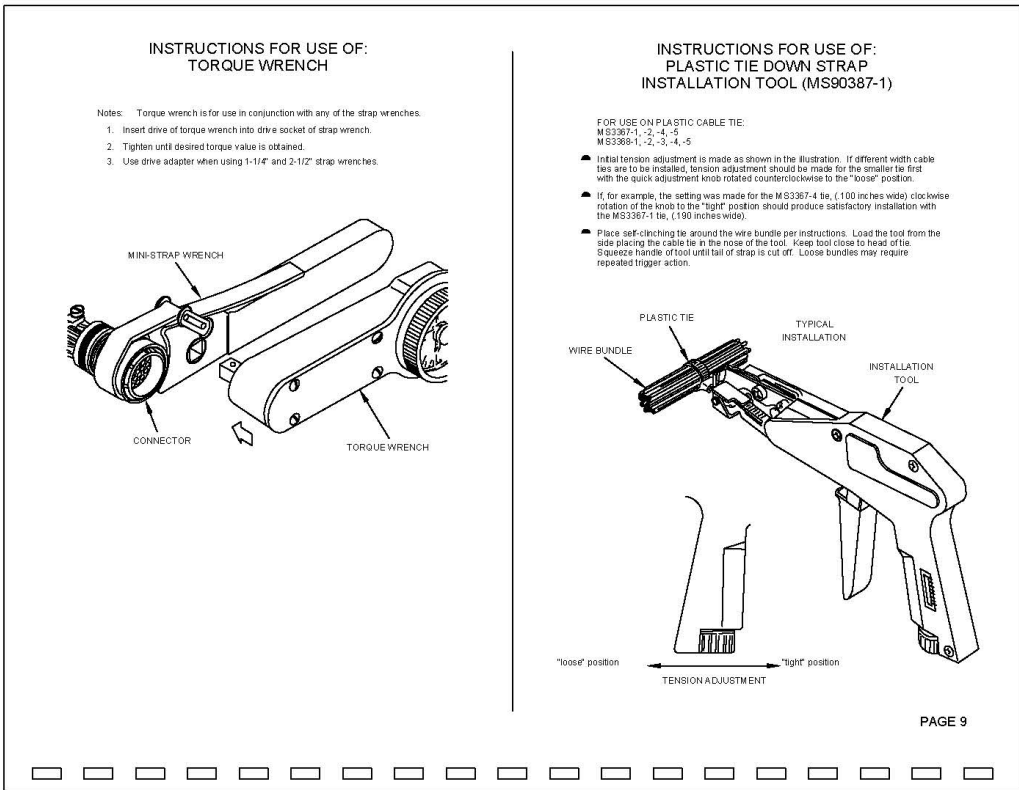


FIGURE 31 Plastic case. Instruction sheet.

PARTS LIST-KIT NO. M83507/15-01		
PART NUMBER	FEDERAL STOCK NUMBER	DESCRIPTION
DMC601-BX		ONE (BLACK) PELICAN CASE
DMC601-HBK		INSTRUCTION SHEETS AND TOOL SELECTION CHARTS
BT-HT-110		HANDLE - STRAIGHT
BT-HT-100		TEE HANDLE
BT-BB-630		1-1/4" MAXIMUM DIAMETER STRAP WRENCH
BT-BB-625		2-1/2" MAXIMUM DIAMETER STRAP WRENCH
BT-D-0551		DRIVE ADAPTER, 3/8" TO 1/4"
BT-D-0572		14" EXTENSION SHAFT
BT-BB-609		3" MINI - STRAP WRENCH
BT-SJ-468		SOFT JAW PLIERS
4-1168		MARKING PENCIL
CW100-1		PARALLEL JAW PLIERS
CW100-2		PARALLEL JAW PLIERS
CW100-3		PARALLEL JAW PLIERS
CW100-4		PARALLEL JAW PLIERS
CW100-5		PARALLEL JAW PLIERS
CW100-6		PARALLEL JAW PLIERS
BT-ST-751		TORQUE WRENCH (0-200 in. -lb.)
M890387-1		TOOL HAND, ADJUSTABLE FOR PLASTIC TIE DOWN STRAPS
DMC601		COMPLETE KIT

CAUTION

SOFT JAW PLIERS SHALL NOT BE USED FOR TIGHTENING REAR ACCESSORIES WITH CAPTIVATED OR LOOSE COUPLING NUT. USE STRAP WRENCH.

NOTES:

For connectors listed in Part II, Tool Table Number, MIL-C-26500
MIL-C-38999
MIL-C-61703
MIL-C-63723

Shell size designator follows the class letter in the military part number.
Example: M824266RLG731P6
M827473T22B68
M83147E1950SY
M883723-07R2256N

For connectors listed in Tool Table "Bendix LJT" the actual shell size does not appear in the part number. Refer to Part II, Column 3.

For connectors listed in Tool Table "Bendix SJT" shell size is designated as follows:
91-496296-12355.

For connectors listed in Tool Table "Deutsch DS" shell size is designated as follows:
DS07-8L21.

For connectors listed in Tool Table "Amphenol" shell size is designated as follows:
480-18E20-39P.

ADDITIONAL NOTES

The following space is provided for the user. A marking pencil is included. Any pertinent information should be recorded.

Headquarters, AFLC/IMMOEP
Wright Patterson Air Force Base
Dayton, Ohio 45433

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FIGURE 32 Plastic case. Instruction sheet.

NOTES ON TOOL SELECTION CHARTS			CONNECTOR PART NUMBER	CONNECTOR SPECIFICATION REFERENCE	TOOL TABLE NO.	CONNECTOR PART NUMBER	CONNECTOR SPECIFICATION REFERENCE	TOOL TABLE NO.	CONNECTOR PART NUMBER	CONNECTOR SPECIFICATION REFERENCE	TOOL TABLE NO.	CONNECTOR PART NUMBER	CONNECTOR SPECIFICATION REFERENCE	TOOL TABLE NO.
The following pages provide a cross-reference between connectors and tools required to service them. The chart is intended as a guide, and some special connectors may not be covered. The Tool Selection Chart is divided into two parts. Part I provides cross-reference between connector part numbers and tool table numbers. Part II provides a cross-reference between Tool Table Number, Connector Part Number and Shell Size and Tool size. Part I For selection of the correct tool table number proceed as follows: - Determine connector part number. - In column 1, find the applicable connector part number. - Column 2 references Military or Supplier Specification. - Reading across the columns, column 3 indicates the correct Tool Table Number to be used. - Turn to Part II, Tool Table Numbers. Part II For the selection of the correct tool size, proceed as follows: - Find the required Tool Table Number in Column 1. - In column 2, find the applicable connector part number (connector part numbers are listed in alpha-numeric sequence). - To determine shell size from connector part number, see notes for example. - Find shell size in column 3. - Column 4 indicates the tool size and A or B socket end to be used.			MS3147 MS3148 MS3445	MIL-C-81703	1							91-540446 91-540447 91-540448 91-540449 91-540450 91-540451 91-540452 91-540453 91-540454	Bendix JT	8
			MS24266	MIL-C-26500	2									
			MS27467 MS27498 MS27473 MS27480 MS0027484 MS0027500	MIL-C-38999	3	91-488700 91-488701 91-488704 91-488705 91-488706 91-488710 91-488711 91-488712 91-488713 91-488714 91-488718 91-488719 91-488720 91-488721 91-488727 91-488728 91-488729 91-488730 91-488737 91-488738 91-488739 91-488740 91-488747 91-488748 91-488749 91-488750 91-488757 91-488758 91-488759 91-488766 91-488767 91-488768 91-488769 91-488770	Bendix LIT	5	91-539700 91-539701 91-539704 91-539705 91-539706 91-539710 91-539711 91-539712 91-539713 91-539714 91-539718 91-539719 91-539720 91-539721 91-539727 91-539728 91-539729 91-539730 91-539737 91-539738 91-539739 91-539740 91-539747 91-539748 91-539749 91-539750 91-539757 91-539758 91-539759 91-539766 91-539767 91-539768 91-539769 91-539770	Bendix SJT	6	D507-3719M-1 D507-3719M-6 D507-3719M-16 D507-3719M-36 D507-6121M-1 D507-6121M-6 D507-6121M-16 D507-6121M-36	Deutsch DS	9
			M83723-07 M83723-08 M83723-13 M83723-14 M83723-17 M83723-18 M83723-23 M83723-24 M83723-36 M83723-37 M83723-42 M83723-43 M83723-48 M83723-49 M83723-75 M83723-76 M83723-77 M83723-78 M83723-86 M83723-87	MIL-C-83723	4							480-18E20-39P	Amphenol	10
												LITP1008RT21-79	Bendix LIT	11

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FIGURE 33 Plastic case. Instruction sheet.

NOTES ON TOOL SELECTION CHARTS															
The following pages provide a cross-reference between connectors and tools required to service them. The chart is intended as a guide, and some special connectors may not be covered.															
The Tool Selection Chart is divided into two parts. Part I provides cross-reference between connector part numbers and tool table numbers. Part II provides a cross-reference between Tool Table Number, Connector Part Number and Shell Size and Tool size.															
Part I For selection of the correct tool table number proceed as follows: 1. Determine connector part number. 2. In column 1, find the applicable connector part number. 3. Column 2 references Military or Supplier Specification. 4. Reading across the columns, column 3 indicates the correct Tool Table Number to be used. 5. Turn to Part II, Tool Table Numbers.															
Part II For the selection of the correct tool size, proceed as follows: 1. Find the required Tool Table Number in Column 1. 2. In column 2, find the applicable connector part number (connector part numbers are listed in alpha-numeric sequence). 3. To determine shell size from connector part number, see notes for example. 4. Find shell size in column 3. 5. Column 4 indicates the tool size and A or B socket end to be used.															
TOOL TABLE NUMBER	CONNECTOR PART NUMBER	SHELL SIZE	TOOL SIZE	TOOL TABLE NUMBER	CONNECTOR PART NUMBER	SHELL SIZE	TOOL SIZE	TOOL TABLE NUMBER	CONNECTOR PART NUMBER	SHELL SIZE	TOOL SIZE	TOOL TABLE NUMBER	CONNECTOR PART NUMBER	SHELL SIZE	TOOL SIZE
MIL-C-81703 ①	MS3147 MS3148 MS3445	3	-	MIL-C-38999 Series II ②	MS27473 MS27480 MS27484 MS27500	8	1A	MIL-C-83723 Series I, III ④	MS3723-13 MS3723-14 MS3723-36 MS3723-37 MS3723-42 MS3723-43 MS3723-48 MS3723-49 MS3723-75 MS3723-76 MS3723-77 MS3723-78 MS3723-86 MS3723-87	9	1A	Bendix LJT 38999 Series I Type ⑤	87-488728 87-488729 87-488730 87-488737 87-488738 87-488739 87-488740 87-488747 87-488748 87-488749 87-488750 87-488757 87-488758 87-488759 87-488765 87-488767 87-488768 87-488769 87-488770	17	4A
		7	-			10	2A			10	2A			21	5A
		12	-			12	2B			12	2B			21	5A
		18	-			14	3A			14	3A			21	5A
		27	-			16	3B			16	3B			21	5A
		37	-			18	4A			18	4A			23	5B
						20	4B			20	4B			23	5B
						22	5A			22	5A			25	6A
						24	5B			24	5B			25	6A
														25	6A
														25	6A
MIL-C-26500 ③	MS24266 MS27615	9	1A	MIL-C-83723 Series II ④	MS83723-23 MS83723-24	8	2A	Bendix LJT 38999 Series I Type ⑤	87-488700 87-488701 87-488704 87-488705 87-488706 87-488710 87-488711 87-488712 87-488713 87-488714 87-488718 87-488719 87-488720 87-488721 87-488727	9	2A	Bendix LJT 38999 Series I Type ⑦	91-488280-10355	18	4A
		10	2A			10	1B			9	2A				
		12	2B			12	3A			11	1B				
		14	3A			14	3B			11	1B				
		16	3B			16	4A			11	1B				
		18	4A			18	4B			13	3A				
		20	4B			20	5A			13	3A				
		22	5A			22	5B			15	3B			91-539700	9 2A
		24	5B			24	6A			15	3B			91-539701	9 2A
										15	3B			91-539704	11 1B
										17	4A			91-539705	11 1B
														91-539706	11 1B
MIL-C-38999 Series I ⑥	MS27467 MS27498 MS27653	9	2A	MIL-C-83723 Series II ④	MS83723-23 MS83723-24	8	2A	Bendix LJT 38999 Series I Type ⑤	87-488700 87-488701 87-488704 87-488705 87-488706 87-488710 87-488711 87-488712 87-488713 87-488714 87-488718 87-488719 87-488720 87-488721 87-488727	9	2A	Bendix LJT 38999 Series I Type ⑦	91-539700	9	2A
		11	1B			10	1B			9	2A			9	2A
		13	3A			12	3A			11	1B			9	2A
		15	3B			14	3B			11	1B			11	1B
		17	4A			16	4A			13	3A			11	1B
		19	4B			18	4B			13	3A			11	1B
		21	5A			20	5A			15	3B			11	1B
		23	5B			22	5B			15	3B			11	1B
		25	6A			24	6A			17	4A			11	1B

FIGURE 34 Plastic case. Instruction sheet.

NOTES ON TOOL SELECTION CHARTS				TOOL TABLE NUMBER				TOOL TABLE NUMBER				TOOL TABLE NUMBER			
The following pages provide a cross-reference between connectors and tools required to service them. The chart is intended as a guide, and some special connectors may not be covered.				TOOL TABLE NUMBER				TOOL TABLE NUMBER				TOOL TABLE NUMBER			
The Tool Selection Chart is divided into two parts. Part I provides cross-reference between connector part numbers and tool table numbers. Part II provides a cross-reference between Tool Table Number, Connector Part Number and Shell Size and Tool size.				TOOL TABLE NUMBER				TOOL TABLE NUMBER				TOOL TABLE NUMBER			
Part I For selection of the correct tool table number proceed as follows: 1. Determine connector part number. 2. In column 1, find the applicable connector part number. 3. Column 2 references Military or Supplier Specification. 4. Reading across the columns, column 3 indicates the correct Tool Table Number to be used. 5. Turn to Part II, Tool Table Numbers.				TOOL TABLE NUMBER				TOOL TABLE NUMBER				TOOL TABLE NUMBER			
Part II For the selection of the correct tool size, proceed as follows: 1. Find the required Tool Table Number in Column 1. 2. In column 2, find the applicable connector part number (connector part numbers are listed in alpha-numeric sequence). 3. To determine shell size from connector part number, see notes for example. 4. Find shell size in column 3. 5. Column 4 indicates the tool size and A or B socket end to be used.				TOOL TABLE NUMBER				TOOL TABLE NUMBER				TOOL TABLE NUMBER			
PART II (CONT.)				PART II (CONT.)				PART II (CONT.)				PART II (CONT.)			
TOOL TABLE NUMBER				CONNECTOR PART NUMBER				TOOL TABLE NUMBER				CONNECTOR PART NUMBER			
SHELL SIZE				TOOL TABLE NUMBER				SHELL SIZE				TOOL TABLE NUMBER			
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Nameplate: In accordance with MIL-DTL-19834.

Cover: A retainer pad shall be permanently affixed to the underside and a latching mechanism shall be provided so that when the cover is closed the tools will be captivated in their respective positions.

Manual air pressure relief valve: Located adjacent to handle. Decal with "OPEN BEFORE AIRFLIGHT", "CLOSE AFTER AIRFLIGHT" shall be attached to case adjacent to valve.

Rubber feet: Provided on the back and bottom of the case.

Instruction sheets and contents charts: Lettering shall be legible and protected with a transparent coating. Contents charts (centered on inside of top and bottom of tool case cover) shall have pressure sensitive backing and show the insert cavity configurations and the respective tool part numbers; a list of NSN will also be supplied.

Part numbers:

M83507/15-01 - Tool kit, general purpose, backshell hardware tools .

M83507/15-02 - Tool case assembly (tools not included)

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

Referenced documents. In addition to MIL-DTL-83507, this document references the following:

A-A-59135

A-A-59136

MIL-DTL-19834

MIL-PRF-8625

SAE-AMS-STD-595

SAE-AS90387

CONCLUDING MATERIAL

Custodians:

Army - CR
Navy – AS
Air Force - 11

Preparing activity:

DLA - CC

Review activities:

Army – AR, AT, GL MI
Navy - EC, MC, YD
Air Force - 19
DLA - GS

(Project 5180-2025-004)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.