

## MTS18700 - MASTER TERMINALS SERVICE KIT

### TERMINAL SERVICING TOOLS



18551  
18552  
18553  
18560  
18570  
Deutsch Terminal  
Release Tools



18580  
Release Tool  
for Weather  
Pack Terminals



18600  
Open Barrel  
Crimping Tool



18880  
18880  
18890  
Terminal Crimper for  
Deutsch Closed  
Barrel Terminals



18870  
Terminal Crimper  
for Deutsch 6, 8 &  
10 Gage Closed  
Barrel Terminals  
(Tool not included  
in 18700 kit)



18910  
Terminal Crimper for  
Weather Pack &  
Metri Pack  
Terminals

FORM 82216



CAT. NO. 18700

### INSTRUCTIONS FOR MASTER TERMINALS SERVICE KIT

#### CONTENTS OF KIT:

Cat. No.	Description	Qty.
18551	Deutsch Terminal Release Tool for 14-18 Gage Wire	1
18552	Deutsch Terminal Release Tool for 16-18 Gage Wire	1
18553	Deutsch Terminal Release Tool for 20-24 Gage Wire	1
18560	Deutsch Terminal Release Tool For 6 Gage Wire	1
18570	Deutsch Terminal Release Tool for 8 & 10 Gage Wire	1
18580	Release Tool for Weather Pack Terminals	1
18600	Open Barrel Crimping Tool	1
18880	Terminal Crimper for Deutsch 12 Gage Closed Barrel Terminals	1
18890	Terminal Crimper for Deutsch 14, 16 & 18 Gage Closed Barrel Terminals	1
18890	Terminal Crimper for Deutsch 20 & 22 Gage Terminals	1
18910	Terminal Crimper for Weather Pack and Metri Pack Terminals	1



PROFESSIONAL AUTOMOTIVE TOOLS

S & G TOOL AID CORP.  
43-53 EAST ALPINE STREET  
NEWARK, NJ 07114  
973-624-7730

TOLL FREE 800-885-2080 FAX 973-621-7132

CAT. NO.	INSTRUCTIONS
18551 18552 18553 18560 18570	<ol style="list-style-type: none"> <li>Start with the grommet side of the connector facing you.</li> <li>Using the appropriate Removal Tool, position the groove side of the Removal Tool over the wire.</li> <li>With a straight movement, slide the Removal Tool over the wire down into the cavity until it engages the retention tabs and resistance is felt. The Removal Tool needs to bottom out in the cavity with the groove not aligned with the retention tabs in order for the retention tabs to properly open.</li> <li>Without twisting or angling the Removal Tool, pull the wire with crimped terminal out of the cavity in the connector.</li> <li>The terminal may not release during the first attempt. Should this occur, pull the tool out, rotate 1/4 turn and try again. Do not twist the tool when it is in the cavity.</li> <li>Sealing plugs should be inserted into the unused cavities of the grommet.</li> </ol>
18600	<ol style="list-style-type: none"> <li>From the front of the connector, slide the tubular shaft over the terminal in a rotating motion until the tool bottoms out.</li> <li>Open the connector cover and push in the terminal from the rear.</li> <li>Push again the removal tool in a rotating motion until the tool bottoms out and the bars are fully retracted.</li> <li>Pull the terminal with wire out from the rear of the connector.</li> </ol> <p><b>NOTE:</b> The tool can be used to reform the bars.</p>
18600	<p><b>NOTE:</b> Open barrel terminals require two crimps.</p> <ol style="list-style-type: none"> <li>Open the jaws and insert the terminal with the wire stripped to the proper length into the appropriate cavity to crimp the barrel over the uninsulated portion of the wire. Use the jaw side with the smaller cavities. The rounded side of the terminal is placed on the rounded groove of the jaw.</li> <li>Squeeze the handles together to form the first crimp.</li> <li>Next insert the terminal in the appropriate cavity to crimp the tabs over the insulation. Now use the jaw side with the larger cavities. The rounded side of the terminal is placed on the rounded groove of the jaw.</li> <li>Squeeze the handles together to form the second crimp.</li> </ol>

CAT. NO.	INSTRUCTIONS												
18880 18890 18890	<ol style="list-style-type: none"> <li>Squeeze the handles together until the Terminal Crimper automatically and completely opens.</li> <li>Insert Deutsch terminal into the hole on the flat side of the crimper with the barrel end facing out (Barrel end has the small, round window).</li> <li>Insert the wire stripped to the proper length in the barrel end of the Deutsch terminal so the wire is visible through the window.</li> <li>Tightly squeeze the handles together until the crimper automatically opens.</li> <li>The Deutsch terminal is now crimped and ready to be used.</li> </ol> <p><b>NOTE:</b> For crimping closed barrel Deutsch terminals onto larger diameter wire, please use our Cat. No. 18870, Terminal Crimper for Deutsch 6, 8 &amp; 10 Gage Closed Barrel Terminals.</p>												
18910	<p><b>NOTES:</b> (1) Open barrel terminals require two crimps. (2) The numbered positions stamped on the crimper are for use as follows:</p> <table border="1"> <thead> <tr> <th>Position</th> <th>Application</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Metri Pack 150 Seals</td> </tr> <tr> <td>2</td> <td>22 &amp; 24 gage wire crimping</td> </tr> <tr> <td>3</td> <td>18 &amp; 20 gage wire crimping</td> </tr> <tr> <td>4</td> <td>14 &amp; 16 gage wire crimping</td> </tr> <tr> <td>5</td> <td>Weather Pack &amp; Metri Pack 280 Seals</td> </tr> </tbody> </table> <ol style="list-style-type: none"> <li>Strip wire to proper length.</li> <li>Slip the appropriate size seal over the insulation so the smaller diameter end will face the terminals.</li> <li>Slide the seal so the narrow end is flush with the end of the insulation before the stripped wire.</li> <li>Open the jaws and insert the terminal into the appropriate cavity (Position 2, 3 or 4) to make the "B" crimp on the tabs over the uninsulated portion of the wire. The rounded side of the terminal is placed on the rounded groove of the jaw. Be sure the terminal is properly positioned so in Step 6 the tabs will properly form around the seal.</li> <li>Squeeze the handles together to form the first crimp.</li> <li>Open the jaws and insert the terminal into the appropriate round cavity (Position 1 or 5) to form the tabs around the seal. The rounded side of the terminal is placed on the shorter, rounded groove of the jaw. Squeeze the handles together to form the second crimp.</li> </ol>	Position	Application	1	Metri Pack 150 Seals	2	22 & 24 gage wire crimping	3	18 & 20 gage wire crimping	4	14 & 16 gage wire crimping	5	Weather Pack & Metri Pack 280 Seals
Position	Application												
1	Metri Pack 150 Seals												
2	22 & 24 gage wire crimping												
3	18 & 20 gage wire crimping												
4	14 & 16 gage wire crimping												
5	Weather Pack & Metri Pack 280 Seals												

Item: MTS18700

Description: MASTER TERMINALS SERVICE KIT

Notes: For MTS18700, Instruction Manual with parts breakdown.

Figure No	Part Number	Description	No. Reqd	Warranty Code
1	A718551	DEUTSCH RELEASE 14-16 AWG	1	D
2	A718552	DEUTSCH RELEASE 16-18 AWG	1	D
3	A718553	DEUTSCH RELEASE20-24 AWG	1	D
4	A718560	DEUTSCHE TERMINAL RELEASE TOOL	1	K
5	A718570	DEUTSCHE TERMINAL RELEASE TOOL	1	K