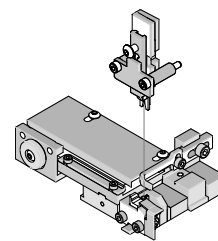


T2 Terminator Tooling

molex

Application Tooling Specification Sheet


Order No. 63911-3300

FEATURES

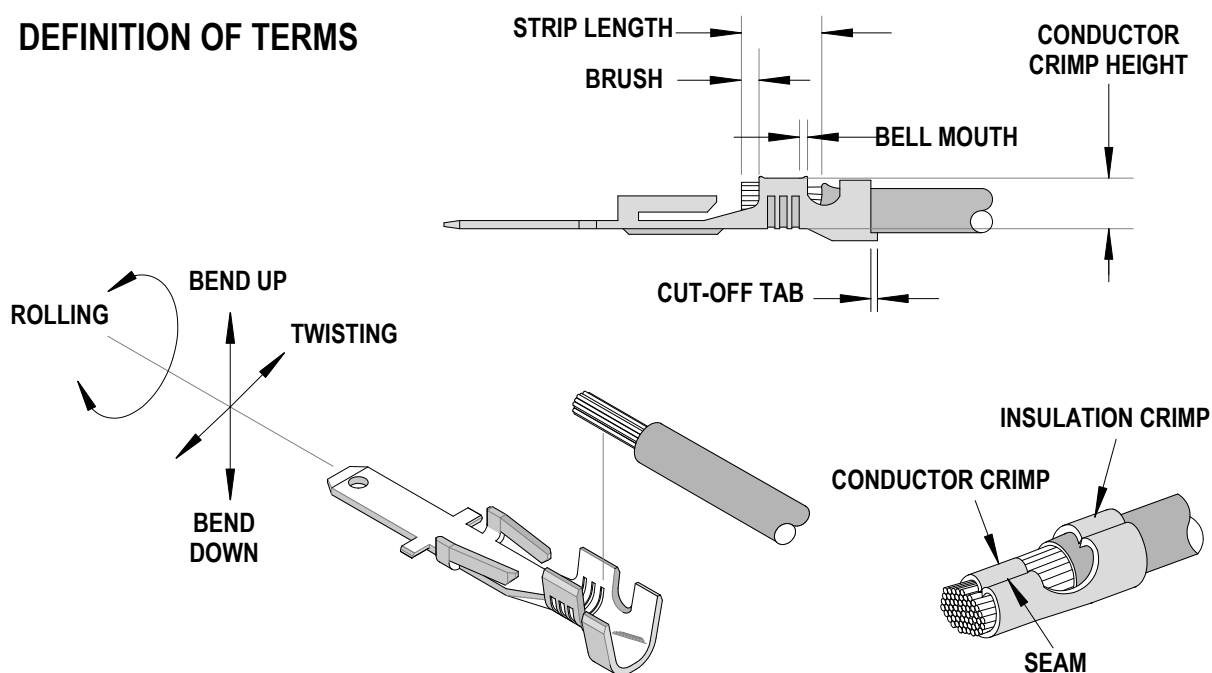
- It is ideally suited for mid-volume bench operations
- This terminator can be installed in the TM42 and the TM40 press or Base Unit adapter for 3BF press
- Quick punch removal with the push of a button for fast and easy tooling change
- Track adjustment capabilities in the T2 Terminators for improved control of the bell mouth size and cutoff tab length
- T2 Terminator has standardized tooling with the Molex FineAdjust Applicator which will reduce your inventory requirements

SCOPE

Products: Sabre™ Male Flat Blade Crimp Terminal, 18-20 AWG, UL1015 wire.

Terminal Series No.	Terminal Order No.		Wire Size		Insulation Diameter				Strip Length	
					IPC/WHMA-A620 ♦		Terminal ♦ ♦			
			AWG	mm²	mm	In.	mm	In.	mm	In.
43178	43178-4001	43178-4002	18-20	0.50-0.80	2.50-2.85	.098-.110	2.50-2.85	.098-.110	3.96-5.54	.156-.218
♦ To achieve optimum IPC-A620 insulation crimps, use this insulation OD range.										
♦ ♦ Overall insulation OD specification for terminal.										

DEFINITION OF TERMS



CRIMP SPECIFICATION

Terminal Series No.	Bell mouth		Cut-off Tab Maximum		Conductor Brush	
	mm	In.	mm	In.	mm	In.
43178	0.25-1.00	.010-.039	0.50	.019	1.50	.059

Terminal Series No.	Bend up Bend down		Twist Roll		Punch Width (Ref)				Seam Seam shall not be open and no wire allowed out of the crimping area
					Conductor		Insulation		
	Degree		Degree		mm	In	mm	In	
43178	3	3	4	8	2.30	.090	3.60	.142	

After crimping, the conductor profile should measure the following.

Terminal Series No.	Wire Size		Crimp Height		Pull Force Minimum	
	AWG	mm ²	mm	In.	N	Lb.
43178	18	0.80	1.52-1.60	.060-.063	88.9	20.0
	20	0.50	1.42-1.50	.056-.059	57.9	13.0

Pull Force should be measured with no influence from the insulation crimp.

The above specifications are guidelines to an optimum crimp.

PARTS LIST

T2 Terminator 63911-3300				
Item	Order No	Engineering No.	Description	Quantity
Perishable Tooling				
	63911-3370	63911-3370	Tool Kit (All "Y" Items)	REF
1	63444-2309	63444-2309	Conductor Punch	1 Y
2	63445-2337	63445-2337	Conductor Anvil	1 Y
3	63446-3613	63446-3613	Insulation Punch	1 Y
4	63445-3622	63445-3622	Insulation Anvil	1 Y
5	63443-0037	63443-0037	Front Cut-Off Plunger	1 Y
6	63443-0038	63443-0038	Front Plunger Retainer	1 Y
Other Components				
7	11-18-4083	60707-8	Feed Guide	1
8	63443-0009	63443-0009	Scrap Chute	1
9	63443-0024	63443-0024	Key	1
10	63443-0085	63443-0085	Wire Stop L-Bracket	1
11	63443-0090	63443-0090	Wire Stop	1
12	63443-1712	63443-1712	18.20mm Spacer	1
13	63443-2215	63443-2215	15.00mm Spacer	1
14	63443-2301	63443-2301	3.15mm Spacer	1
15	63443-2801	63443-2801	Front Plunger Striker	1
16	63443-2915	63443-2915	Wire Hold Down Plunger	1
17	63443-6013	63443-6013	Rear Cover	1
18	63443-7201	63443-7201	Spring Cover	1
19	63600-1057	63600-1057	Striker Plunger Spring	1
20	63600-2972	63600-2972	Collar	2
21	63700-0539	63700-0539	Cut-Off Plunger Spring	1
Frame				
22	63800-8500	63800-8500	T2 Terminator	1
Hardware				
23	N/A	N/A	M3 by 6 Long SHCS	2**
24	N/A	N/A	M3 by 6 Long FHCS	1**
25	N/A	N/A	M4 by 6 Long SHCS	2**
26	N/A	N/A	M4 by 12 Long BHCS	2**
27	N/A	N/A	M4 by 14 Long SHCS	2**
28	N/A	N/A	M4 by 30 Long SHCS	2**
29	N/A	N/A	M4 by 50 Long SHCS	2**
30	N/A	N/A	M5 by 12 Long SHCS	1**
31	N/A	N/A	#10-32 by 3/8" Long BHCS	1**

** Available from an industrial supply company such as MSC (1-800-645-7270).

Assembly Drawing

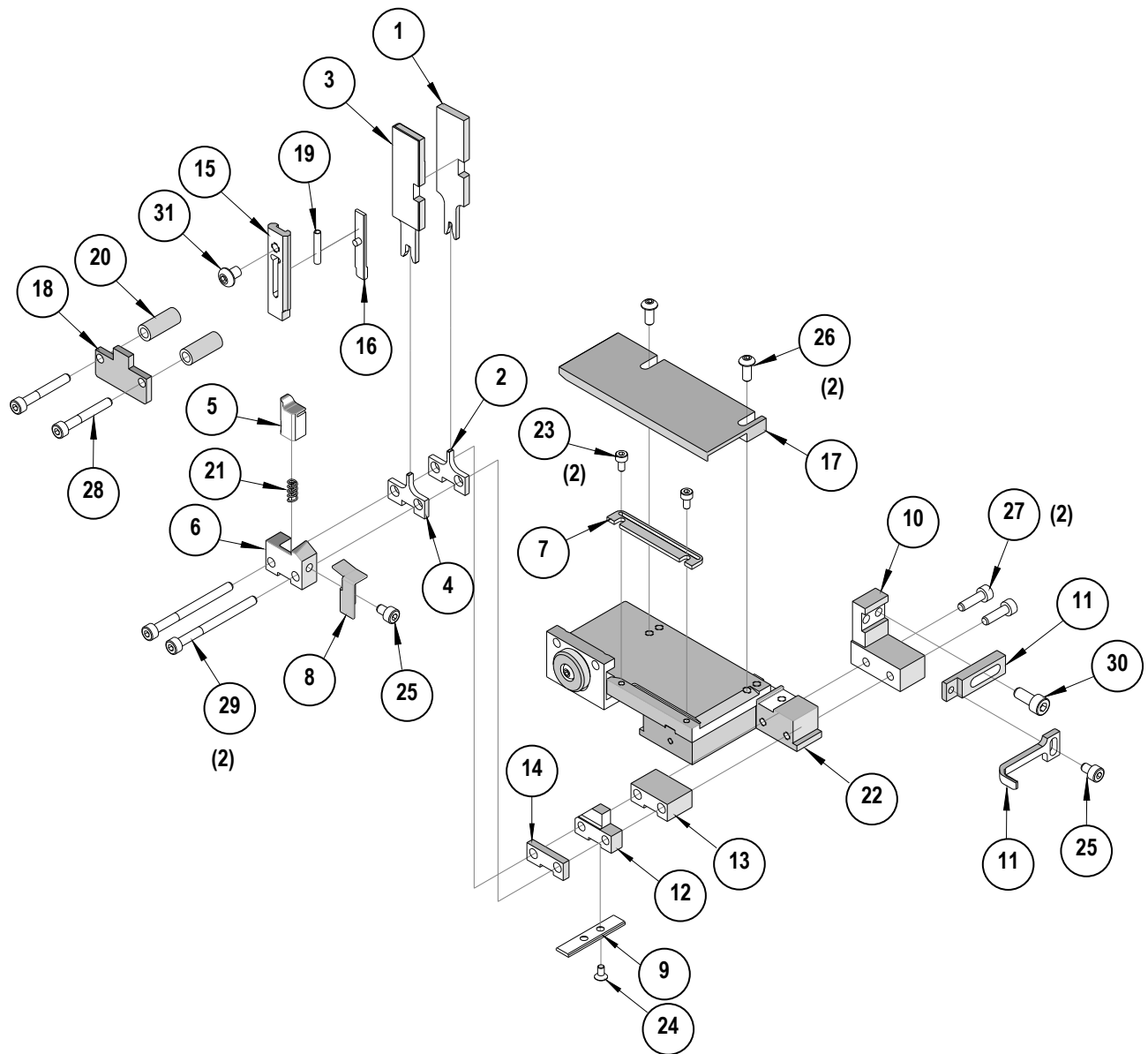


Figure 1

NOTES

Depending on the press vintage a feed finger assembly is supplied with the T2 Terminator.

1. To remove the existing feed finger assembly loosens the M4 x 10 mm set screw in the feed lever.
2. Select T2 Feed finger assembly from Terminator box.
3. Insert a screwdriver into the slot behind the feed lever and force the feed arm spring to the right.
4. Slide the T2 feed finger shaft for TM42 (11-40-5307) or (11-40-0123) for TM40 /Base Unit into the feed lever and to the left of the feed arm spring.
5. Release the feed arm spring.
6. Position feed finger for selected product. (Refer to Figure 5.1 in the T2 Manual).

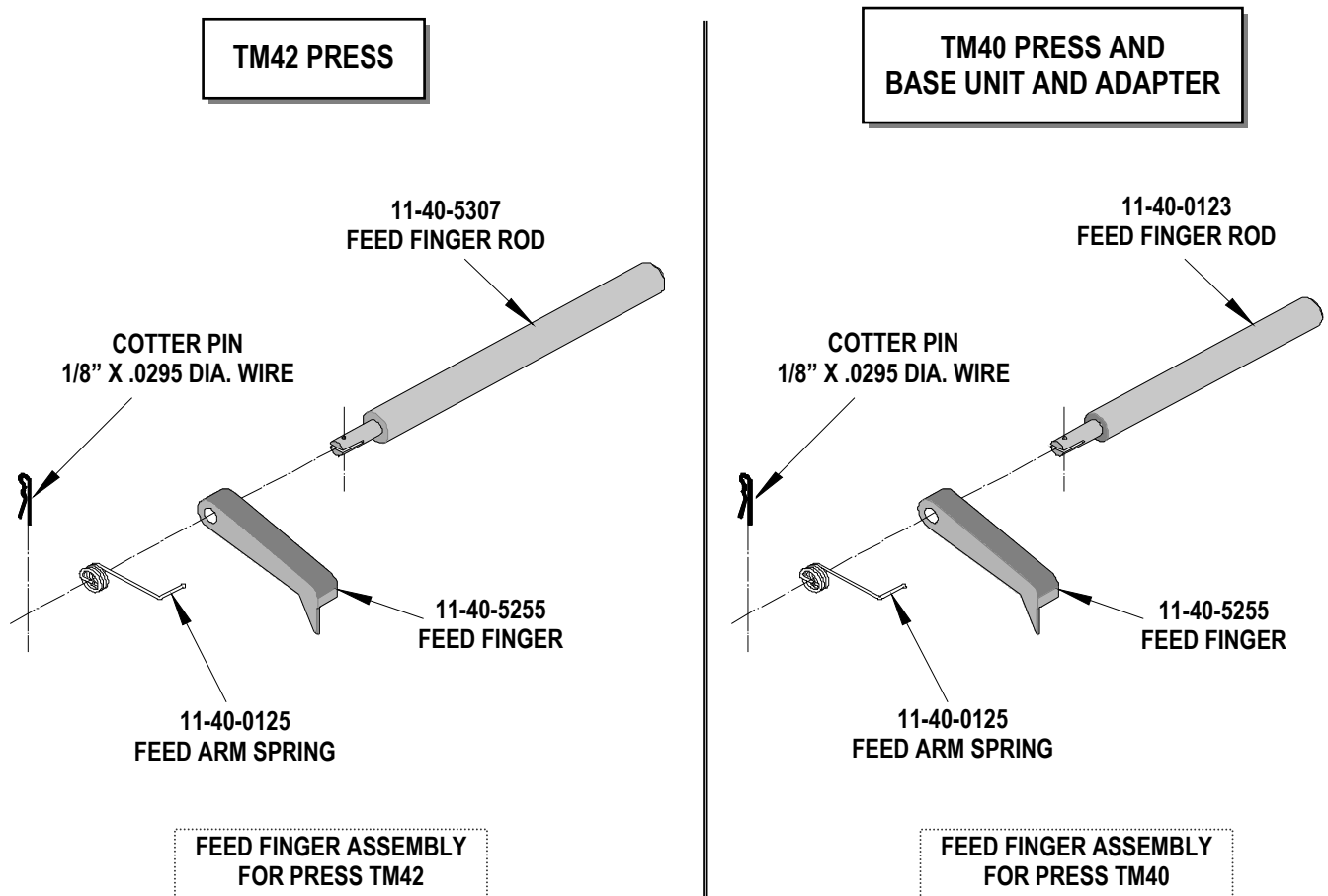


Figure 2

NOTES

1. Molex recommends an extra perishable tooling kit be maintained at your facility.
2. Verify tooling alignment by manually cycling the press before crimping under power. Check that all screws are tight.
3. Slugs, Terminals, Dirt and Oil should be kept clear of work area.
4. This Terminator should be only used in a Molex TM42, TM40, or 3BF Press with a Base Unit adaptor.
5. Wear safety glasses at all times.
6. For recommended maintenance refer to the TM40, TM42 Manual.

CAUTION: To prevent injury never operate this Terminator without the guards supplied with the press or in place. Reference the TM42 press manufacturer's instruction manual.

CAUTION: Molex crimp specifications are valid only when used with Molex terminals, applicators and tooling.

<http://www.molex.com>

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