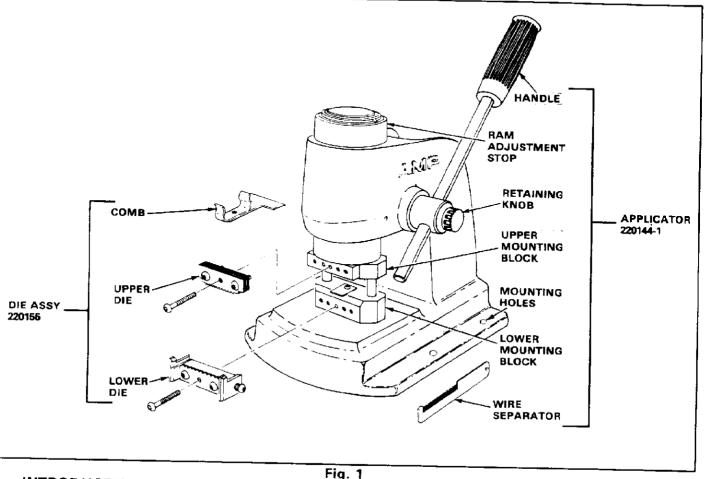


AMP * APPLICATOR 220144-1 AND DIES 220155 (For AMP Coaxial Ribbon Cable Receptacles)





1. INTRODUCTION

AMP Applicator 220144-1, shown in Figure 1, is designed for use with AMP Crimping Die Assemblies, Base No. 220155 (see Figure 2 for individual dash numbers). The tooling terminates AMP Coaxial Ribbon Cable with AMP Coaxial Ribbon Cable Receptacles (see Figure 2) having up to and including 25 positions. This instruction sheet (IS) gives application and maintenance instructions for the applicator and dies. Read these instructions thoroughly before terminating any cables.

Refer to *IS 2577*, packaged with the receptacles, for description, selection data, cable preparation, and assembly of the receptacles.



All dimensions presented on this instruction sheet are in inches.

2. DESCRIPTION (Figure 1)

The applicator and dies are designed to insert a maximum of 50 ribbon, cable contact posts, (25

ground wires, 25 conductor wires) at a time.

A. Applicator 220144-1

Applicator 220144-1 consists of a frame (cast) assembly with upper and lower mounting blocks designed to hold the upper and lower subassemblies of Die Assembly 220155. An adjustable handle and retaining knob, removable for packaging and storage when the frame assembly is not in use, also accompany the applicator.

Other features of the applicator are:

- Four mounting holes, provided for securing the applicator to a workbench.
- Ram adjustment stop, factory-set, to ensure proper, consistent bottoming of the ram.
- Wire separator, Part No. 310573, supplied with the applicator and used to bend the center conductors away from the ground conductors during cable preparation (see IS 2577).

AMP APPLICATOR 220144-1 AND DIES 220155

OLING	тос		NO. OF	RECEPTACLE KITS (Ref)			
APPLICATOR	DIE ASSY		POSN	POLARIZATION AND DETENT	WITH MOUNTING	STANDARD	
220144-1	220155-4		226733-1 4	226733-1	226651-4	226634-1	
	-5		5	226733-2	226651-5	226633-1	
	-6		6	226733-3	226651-6	226530-1	
	-7		7	226733-4	226651-7	226552-1	
	8	l	8	226733-5	226651-8	226553-1	
	9		9	226733-6	226651-9	226554-1	
	-0	1-	10	2-226733-4	2-226651-7	226476-2	
	-0	1-	10	226733-7	1-226651-0	226476-1	
1	-3	1-	13	1-226733-0	1-226651-3	226477-1	
	-7	1.	17	1-226733-4	1-226651-7	226478-1	
	-0	2-	20	1-226733-7	2-226651-0	226305-1	
•	- 5	2-	25	2-226733-2	2-226651-5	226479-1	

B. Die Assembly 220155 (Figure 3)

Each die assembly consists of an upper subassembly (upper die) and a locator subassembly (lower die). The lower die, with spring-loaded locators, spacer, housing stop, and holding screws, holds the receptacle housing in place. The upper die, a subassembly of stakers, spacers, holding screws, and snap rings, is attached to the manually powered ram. The upper die crimps the individual center conductors and ground wires of the ribbon cable to the contacts of the receptacle housing, using the technique of *insulation displacement*. Refer to the chart in Figure 2 for selection of the particular dash-number die assembly used in terminating the cable and connector.

NOTE

Dash numbers of die assemblies match the number of receptacle positions; eg, Die Assembly 220155-5 is used for a 5-position receptacle.

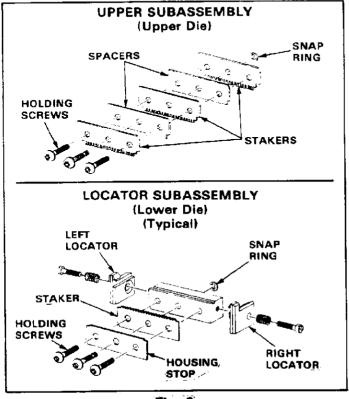


Fig. 3

Also supplied with the dies is a *comb*, used to align the wires with the individual contacts of the receptacle housing before termination.

3. APPLICATOR SETUP (Figure 1)

1. Unpack the applicator and dies, and wipe the protective film from all tooling — applicator, dies, wire separator (remove protective sheath), and comb. The protective film, if not removed, may adversely affect electrical terminations of the receptacle after it has been terminated to the ribbon cable.

2. Secure the applicator to a workbench by using suitable hardware through the four mounting holes.

3. Insert handle into holder until retaining knob engages one of the detents in the handle. 1 (Length of handle varies according to the detent selected.)

4. Push handle backward to raise upper mounting block.

5. Position lower die on lower mounting block and tighten holding screws. See Figure 1.

6. Locate a receptacle housing of appropriate size on lower die subassembly: slip mating face of housing under spring and push housing toward applicator, pressing downward (Figure 4). The spring-loaded locators will spread outward, allowing the housing to seat firmly behind the housing stop.

7. Position upper die on upper mounting block and secure it loosely with the holding screws.

8. Carefully lower upper die by pulling handle forward and guiding staker serrations between ribs of receptacle housing.

9. Tighten the holding screws while upper die is bottomed.

4. CABLE TERMINATION

Cable termination is a *two-step* process. First, the ground conductors are terminated on the ground side of the receptacle (identified by the letter "G" on one

AMP APPLICATOR 220144-1 AND DIES 220155

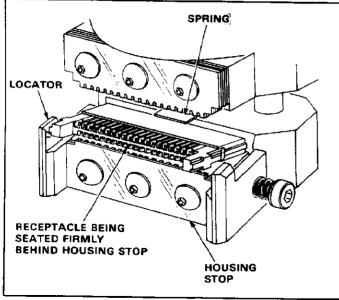


Fig. 4

end of the mating face of the housing), followed by termination of the center conductors on the signal side (identified by the letter "S" in the same location on the housing). (Although the cable wires can be terminated to either the signal or the ground side of the receptacle first, this procedure suggests terminating the ground wires first.)

A. Ground Wire Termination

Refer to IS 2577 for selection of the appropriate cable and receptacle kit and for proper cable preparation, then proceed as follows:

1. Refer to Figure 4, and *locate* housing on lower die as described in Paragraph 3, APPLI-CATOR SETUP, Step 6.

2. Lay ground wires on contacts as shown in Figure 5. If necessary, use comb to align wires with "V" notches of contacts.

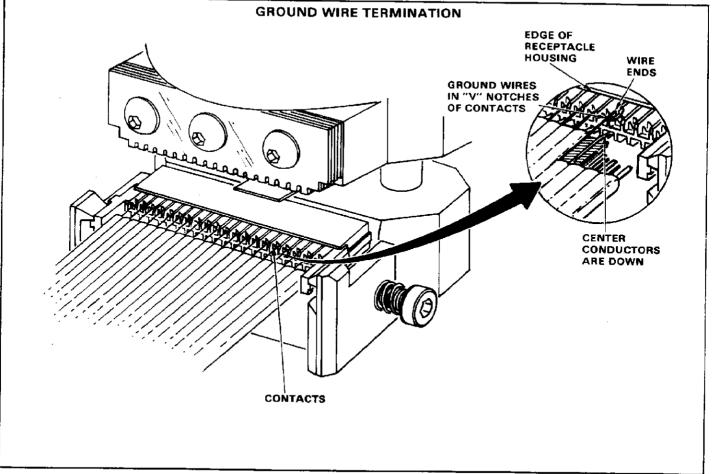
NOTE

Center conductors are **down**, as shown in breakaway view of Figure 5.

3. Ensure that wires extend through at least *half the distance* between contacts and housing. See Figure 5.

4. Pull applicator handle forward to bottom upper dies on ground wires and contacts, terminating the wires.

5. Raise handle and remove receptacle housing.



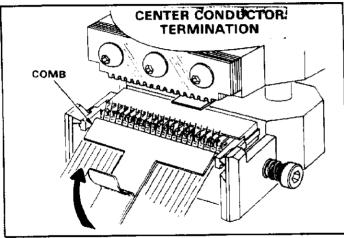


Fig. 6

B. Center Conductor Termination

1. Turn receptacle housing on its opposite side, "S" side UP, and reposition housing on lower die.

2. Refer to Figure 6, and, holding cable, position comb against conductors.

3. Lift cable to horizontal position, using comb to push conductors forward and down into crimping position.

4. Ensure that all wires are positioned in the "V" notches of contacts.

5. Pull handle of applicator forward to bottom upper die on wires (center conductors) and contacts, terminating the wires.

6. Rotate applicator handle back to starting position, and remove terminated receptacle from lower die.

AMP APPLICATOR 220144-1 AND DIES 220155

7. Inspect terminated receptacle. See Paragraph 5, INSPECTION.

8. Refer to IS 2577, and assemble strain relief components over terminated receptacle.

5. INSPECTION

Refer to Figure 7, and inspect the wire insertion depth of the terminated receptacle.

6. CERTIFICATION

The ribbon cable applicator and dies should be certified with the information provided in Figures 8 and 9.

AMP recommends that the applicator, dies, and combs be thoroughly inspected *immediately* upon their arrival at your facility and at regularly scheduled intervals to ensure that no damage has occurred during handling.

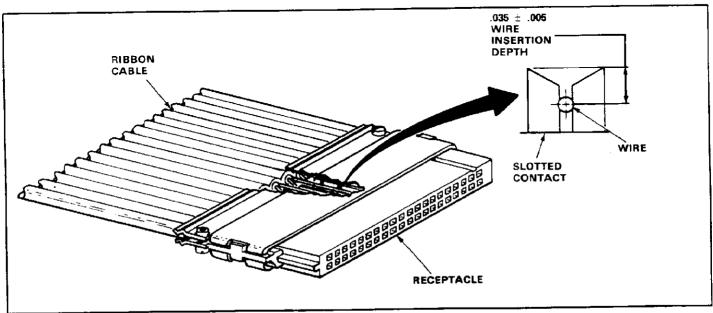
A. Daily Maintenance

It is recommended that each operator of the applicator and dies be made aware of - and responsible for - the following four steps of daily maintenance:

1. Remove dust, moisture, and other contaminants with a clean brush, or a soft, lint-free cloth. Do NOT use objects that could damage the applicator and dies.

2. Make sure the proper die *stakers and spacers* are in place and secured with the proper retaining rings.

3. Make certain all pins, pivot points, and bearing surfaces are protected with a THIN coat of any good SAE No. 20 motor oil. Do NOT oil excessively.



AMP APPLICATOR 220144-1 AND DIES 220155

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APPLICATOR 22	0144-1	<u> </u>				
(1) (1) (1) (1) (1)						
				E		
					f	
APPLICATOR	A			E E	F	WEIGHT
APPLICATOR 220144-1	A 9.00	APPLIC	CATOR SPECIFICATIONS	E E 1.00	F .375	WEIGHT 22 lb, 4 oz
220144-1	9.00	APPLICA B 7.95 APPLICAT	D CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR	1.00		22 lb, 4 oz
220144-1	9.00 PART N	APPLIC B 7.95 APPLICAT	D CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR DESCI	1.00		22 lb, 4 oz
220144-1	9.00 PART N 2- 21 308	APPLIC B 7.95 APPLICAT UMBER 003-0 468-1	D CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR DESCI	1.00		22 lb, 4 oz
220144-1 ITEM 1 2 3	9.00 PART N 2- 21 308 308	APPLIC B 7.95 APPLICAT UMBER 003-0 4468-1 4469-1	O CATOR SPECIFICATIONS DIMENSIONS C 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER	1.00 FS RIPTION kt Hd, 6-32 x .500 L		22 lb, 4 oz QTY 2
220144-1 ITEM 1 2 3 4	9.00 PART N 2- 21 306 308 3- 21	APPLIC B 7.95 APPLICAT UMBER 003-0 468-1 468-1 469-1 000-9	O CATOR SPECIFICATIONS DIMENSIONS C 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd,	1.00		22 lb, 4 oz QTY 2
220144-1 ITEM 1 2 3 4 5 6	9.00 PART N 2- 21 308 308 3- 21 308 5- 21	APPLIC B 7.95 APPLICAT UMBER 003-0 1468-1 1469-1 000-9 1470-1 030-1	D CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd, MOUNTING BLOO DOWEL, Pin, 2.00	1.00 IS RIPTION kt Hd, 6-32 x .500 L 10-32 x 1.00 L CK, Upper U		22 lb, 4 oz QTY 2
220144-1 ITEM 1 2 3 4 5 6 7	9.00 PART N 2- 21 308 308 3- 21 308 5- 21 2- 21	APPLICAT B 7.95 APPLICAT UMBER 003-0 1468-1 1469-1 000-9 1470-1 000-9 1470-1 000-1 000-5	D CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd, MOUNTING BLOO DOWEL, Pin, 2.00 SCREW, 8tn Hd,	1.00 IS RIPTION kt Hd, 6-32 x .500 L 10-32 x 1.00 L CK, Upper U		22 lb, 4 oz <u>Q</u> TY 2 1 1 1 1 1
220144-1 ITEM 1 2 3 4 5 6	9.00 PART N 2- 21 306 308 3- 21 308 5- 21 2- 21 308	APPLIC B 7.95 APPLICAT UMBER 003-0 1468-1 1469-1 000-9 1470-1 030-1	CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd, MOUNTING 8L00 DOWEL, Pin, 2.00 SCREW, Btn Hd, SPRING	1.00 FS RIPTION kt Hd, 6-32 x .500 L 10-32 x 1.00 L CK, Upper 0 L 10-32 x .250 L		22 lb, 4 oz <u>Q</u> TY 2 1 1 1 1 1
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220144-1 ITEM 1 2 3 4 5 6 7 8 9 10 11 11 12 13	9.00 PART N 2- 21 308 308 3- 21 308 5- 21 2- 21 308 308 2- 21 308 308 2- 21 308 308 2- 22 2- 22	APPLICAT B 7.95 APPLICAT UMBER 003-0 1468-1 1469-1 003-1 003-1 003-1 003-1 1472-1 1002-5 1471-1 1472-1 1002-4 1474-1 1474-	CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd, MOUNTING BLOU DOWEL, Pin, 2.00 SCREW, 8th Hd, SPRING MOUNTING BLOU SCREW, Skt Hd, WIRE SEPARATO ARBOR FRAME A	1.00 FS RIPTION kt Hd, 6-32 x .500 L 10-32 x 1.00 L CK, Upper 0 L 10-32 x .250 L CK, Lower 8-32 x .75 L IR ASSY		22 lb, 4 oz QTY 2 1 1 1 2 1 1 1 1 1 1 1
220144-1 ITEM 1 2 3 4 5 6 7 8 9 10 10 11 12 13 14	9.00 PART N 2- 21 306 308 3- 21 308 5- 21 2- 21 308 308 2- 21 308 2- 21 308 2- 21 308 308 2- 22 3- 21 310 58 2- 22 3- 21 310 58 2- 22 3- 21 308 308 308 308 308 308 308 308	APPLIC B 7.95 APPLICAT UMBER 003-0 468-1 469-1 000-9 470-1 000-9 470-1 002-5 471-1 472-1 002-5 471-1 472-1 000-9 573-1 0024-1 484-1 000-4	CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd, MOUNTING BLOG SCREW, Btn Hd, SPRING MOUNTING BLOG SCREW, Skt Hd, WIRE SEPARATO ARBOR FRAME A . PLUG, Btn . SCREW, Skt Hd	1.00 FS RIPTION kt Hd, 6-32 x .500 L 10-32 x 1.00 L CK, Upper 0 L 10-32 x .250 L CK, Lower 8-32 x .75 L IR ASSY		22 lb, 4 oz QTY 2 1 1 1 2 1 1 1 1 1 1 1
220144-1 ITEM 1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16	9.00 PART N 2- 21 308 3- 21 308 5- 21 2- 21 308 5- 21 2- 21 308 2- 22 310 58 2- 22 310 58 2- 22 310 58 2- 22 308 308 308 3- 21 308 3- 21 308 308 308 3- 21 308 308 3- 21 308 308 308 308 308 308 308 308	APPLICAT B 7.95 APPLICAT UMBER 003-0 1468-1 1469-1 003-1 003-1 003-1 003-1 1472-1 1002-5 1471-1 1472-1 1002-4 1474-1 1474-	CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd, MOUNTING BLOU DOWEL, Pin, 2.00 SCREW, 8th Hd, SPRING MOUNTING BLOU SCREW, Skt Hd, WIRE SEPARATO ARBOR FRAME A	1.00 FS RIPTION kt Hd, 6-32 x .500 L 10-32 x 1.00 L CK, Upper 0 L 10-32 x .250 L CK, Lower 8-32 x .75 L IR ASSY		22 lb, 4 oz QTY 2 1 1 1 2 1 1 1 1 1 1 1
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220144-1 ITEM 1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19	9.00 PART N 2- 21 308 3-21 308 3-21 308 5- 21 2- 21 308 308 2- 21 310 58 2- 22 3- 21 6- 59 8- 22 311 311	APPLIC B 7.95 APPLICAT UMBER 003-0 468-1 469-1 000-9 4470-1 000-9 4470-1 002-5 4471-1 4471-1 4471-1 4472-1 000-9 1573-1 002-9 1573-1 002-9 1573-1 002-9 1573-1 002-5 102-1 102-1 102-5	CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd, MOUNTING BLOU SCREW, 8tn Hd, SPRING MOUNTING BLOU SCREW, 8tn Hd, SPRING MOUNTING BLOU SCREW, 8th Hd, WIRE SEPARATO ARBOR FRAME A - PLUG, 8tn SCREW, Skt Hd, WIRE SEPARATO ARBOR FRAME A - PLUG, 8tn SCREW, Skt Hd, WASHER BUSHING PINION FRAME, Machin	1.00 FS RIPTION kt Hd, 6-32 x .500 L 10-32 x 1.00 L CK, Upper 0 L 10-32 x .250 L CK, Lower 8-32 x .75 L OR ASSY 1, 10-32 x .375 L		22 lb, 4 oz QTY 2 1 1 1 2 1 1 1 1 1 1 1
220144-1 ITEM 1 2 3 4 5 6 7 7 8 9 10 11 12 13 14 15 16 17 18 19 20	9.00 PART N 2- 21 308 3- 21 308 3- 21 308 5- 21 2- 21 308 2- 21 308 2- 21 308 2- 21 308 2- 22 3- 21 6- 59 8- 22 3- 21 311 311 311 2- 22	APPLIC B 7.95 APPLICAT UMBER 003-0 468-1 468-1 469-1 000-9 470-1 000-9 470-1 002-5 471-1 472-1 000-9 1573-1 0024-1 4484-1 000-4 1591-6 0025-2 480-1 478-1 478-1 479-1 2484-0	CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd, MOUNTING BLOG DOWEL, Pin, 2.00 SCREW, Btn Hd, SPRING MOUNTING BLOG SCREW, Skt Hd, WIRE SEPARATO ARBOR FRAME A PLUG, Btn SCREW, Skt Hd, WASHER BUSHING PINION FRAME, Machir RAM PLUG, Btn	1.00 FS RIPTION kt Hd, 6-32 x .500 L 10-32 x 1.00 L CK, Upper 0 L 10-32 x .250 L CK, Lower 8-32 x .75 L OR ASSY 1, 10-32 x .375 L		22 lb, 4 oz QTY 2 1 1 1 2 1 1 1 1 1 1 1
220144-1 ITEM 1 2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19 20 21	9.00 PART N 2- 21 308 3-21 308 5- 21 2- 21 308 308 2- 21 310 58 2- 22 3- 21 6- 59 8- 22 3- 21 311 311 311 2- 22 1- 22 1	APPLIC B 7.95 APPLICAT UMBER 003-0 468-1 469-1 000-9 4470-1 002-5 4471-1 4472-1 002-5 4471-1 4472-1 000-9 1573-1 1024-1 4484-1 000-4 1591-6 1025-2 480-1 478-1 479-1 4484-0 1027-6	CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd, MOUNTING BLOO DOWEL, Pin, 2.00 SCREW, Skt Hd, MOUNTING BLOO SCREW, Bin Hd, SPRING MOUNTING BLOO SCREW, Skt Hd, WIRE SEPARATO ARBOR FRAME A - PLUG, Btn SCREW, Skt Hd, WASHER BUSHING PINION FRAME, Machin RAM PLUG, Btn SCREW, Btn	1.00 FS RIPTION kt Hd, 6-32 x .500 L 10-32 x 1.00 L CK, Upper 0 L 10-32 x .250 L CK, Lower 8-32 x .75 L OR ASSY 1, 10-32 x .375 L		22 lb, 4 oz QTY 2 1 1 1 2 1 1 1 1 1 1 1
220144-1 ITEM 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	9.00 PART N 2- 21 308 3-21 308 3-21 308 5- 21 2- 21 308 308 2- 21 310 58 2- 22 3- 21 310 58 2- 22 3- 21 310 58 2- 22 3- 21 310 58 2- 22 3- 21 310 58 2- 22 3- 21 310 58 2- 22 3- 21 310 59 8- 22 3- 21 308 308 308 308 308 308 308 308	APPLIC B 7.95 APPLICAT UMBER 003-0 4468-1 468-1 468-1 000-9 4470-1 000-9 4470-1 002-5 4471-1 4472-1 000-9 573-1 002-5 4471-1 4472-1 000-9 573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 489-1 1000-9 5573-1 002-5 480-1 471-1 488-1 471-1 488-1 471-1 488-1 471-1 488-1 472-1 000-9 5573-1 002-5 480-1 472-1 000-9 5573-1 002-5 480-1 472-1 1000-4 5591-6 002-5 489-1 478-1 472-1 002-6 4898-1 1120-1 4898-1 1120-1 489-1 402-6 4898-1 402-6 402-6 4898-1 402-6 402-6 402-6 402-6 402-7 40	D CATOR SPECIFICATIONS DIMENSIONS C 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd, MOUNTING BLOO DOWEL, Pin, 2.00 SCREW, Skt Hd, MOUNTING BLOO SCREW, Skt Hd, WIRE SEPARATO ARBOR FRAME A PLUG, Btn SCREW, Skt Hd, WIRE SEPARATO ARBOR FRAME A PLUG, Btn SCREW, Skt Hd, WASHER BUSHING PINION FRAME, Machir RAM PLUG, Btn BUSHING MOUNTING BLOO PINION FRAME, Machir RAM PLUG, Btn BUSHING HANDLE, Grip	1.00 FS RIPTION kt Hd, 6-32 x .500 L 10-32 x 1.00 L CK, Upper 0 L 10-32 x .250 L CK, Lower 8-32 x .75 L IR ASSY 1, 10-32 x .375 L Hed		22 lb, 4 oz QTY 2 1 1 1 2 1 1 1 1 1 1 1
220144-1 ITEM 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	9.00 PART N 2- 21 308 3-21 308 3-21 308 3-21 308 2- 21 308 2- 21 308 2- 21 310 58 2- 22 3- 21 6- 59 8- 22 3- 21 310 58 2- 22 3- 21 310 58 2- 22 3- 21 310 58 2- 22 3- 21 310 58 2- 22 3- 21 308 308 308 2- 21 308 308 308 308 308 308 308 308	APPLICA B 7.95 APPLICAT UMBER 003-0 468-1 469-1 000-9 470-1 002-5 470-1 002-5 471-1 4472-1 002-5 471-1 4472-1 002-5 4471-1 448-1 002-5 4471-1 448-1 002-5 448-1 448-1 002-5 448-1 448-1 002-5 448-1 448-1 002-5 448-1 448-1 002-5 448-1 448-1 002-5 448-1 448-1 002-5 448-1 448-1 002-5 448-1 488-1 488-1 1000-9 573-1 002-4 573-1 002-4 593-6 898-1 1120-1 102-1 102-1 102-1 102-1 102-1 102-1 102-1 102-1 102-1 102-1 102-1 102-1 102-1 102-5 480-1 493-1 480-1 493-1 493-1 493-1 493-1 493-1 493-1 493-1 493-1 400-2 400	CATOR SPECIFICATIONS DIMENSIONS C D 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd, MOUNTING BLOU DOWEL, Pin, 2.00 SCREW, Skt Hd, WIRE SEPARATO ARBOR FRAME A PLUG, Btn SCREW, Skt Hd, WIRE SEPARATO ARBOR FRAME A PLUG, Btn SCREW, Skt Hd WASHER BUSHING PINION FRAME, Machir RAM PLUG, Btn BUSHING PLUG, Btn BUSHING PLUG, Btn BUSHING CKNOB, Adj HANDLE, Grip PLUNGER, Spri	1.00 FS RIPTION kt Hd, 6-32 x .500 L 10-32 x 1.00 L CK, Upper 0 L 10-32 x .250 L CK, Lower 8-32 x .75 L IR ASSY 1, 10-32 x .375 L Hed		22 lb, 4 oz QTY 2 1 1 1 2 1 1 1 1 1 1 1
220144-1 ITEM 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	9.00 PART N 2- 21 308 309 3- 21 308 5- 21 2- 21 308 2- 21 308 2- 21 308 2- 21 308 2- 21 310 58 2- 22 3- 21 6- 59 8- 22 3- 21 1- 310 58 2- 22 3- 21 310 58 2- 22 3- 21 310 59 8- 22 2- 22 3- 21 310 58 2- 22 3- 21 310 310 310 311 311 311 311 31	APPLIC B 7.95 APPLICAT UMBER 003-0 4468-1 468-1 468-1 000-9 4470-1 000-9 4470-1 002-5 4471-1 4472-1 000-9 573-1 002-5 4471-1 4472-1 000-9 573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 4471-1 448-1 000-9 5573-1 002-5 489-1 1000-9 5573-1 002-5 480-1 471-1 488-1 471-1 488-1 471-1 488-1 471-1 488-1 472-1 000-9 5573-1 002-5 480-1 472-1 000-9 5573-1 002-5 480-1 472-1 1000-4 5591-6 002-5 489-1 478-1 472-1 002-6 4898-1 1120-1 4898-1 1120-1 489-1 402-6 4898-1 402-6 402-6 4898-1 402-6 402-6 402-6 402-6 402-7 40	D CATOR SPECIFICATIONS DIMENSIONS C 9.50 7.00 TOR REPLACEMENT PAR DESCI SCREW, FI Hd, S ADAPTER SPACER SCREW, Skt Hd, MOUNTING BLOO DOWEL, Pin, 2.00 SCREW, Skt Hd, MOUNTING BLOO SCREW, Skt Hd, WIRE SEPARATO ARBOR FRAME A PLUG, Btn SCREW, Skt Hd, WIRE SEPARATO ARBOR FRAME A PLUG, Btn SCREW, Skt Hd, WASHER BUSHING PINION FRAME, Machir RAM PLUG, Btn BUSHING MOUNTING BLOO PINION FRAME, Machir RAM PLUG, Btn BUSHING HANDLE, Grip	1.00 FS RIPTION kt Hd, 6-32 x .500 L 10-32 x 1.00 L CK, Upper 10-32 x .250 L CK, Lower 8-32 x .75 L IR ASSY 1, 10-32 x .375 L med		22 lb, 4 oz QTY 2 1 1 1 2 1 1 1 1 1 1 1

IS 9071

When the applicator and dies are not in 4 use keep the upper and lower applicator mounts and dies closed to prevent objects from becoming lodged in the dies; store the applicator and dies in a clean, dry area.

Parts Replacement B.

The parts listed in Figures 8 and 9 can be replaced by qualified personnel at your facility or at our tool repair facility. All parts that are not listed must be replaced or repaired by AMP personnel.

DIE ASSEMBLY 220155 (11) 0 o 0 Ř \circ 1 15 1 7.7 £ 0 'n n ¢ DIE SPECIFICATIONS DIMENSIONS WEIGHT DIF н E G D в С Ē ۵ ASSY 2.00 8 07 562 440 1.02 1.09 220155-4 1.480 .775 775 1.82 540 1.92 -5 640 2.02 -6 740 2.12 .7 840 2.22 -8 940 2.32 -9 1.040 2.42 -0 1 . 10 ∩7⁵ 1.340 2 72 -3 1. 1,440 1.580 2.82 1. -4 1.540 2.92 1.680 ٦. - 5 1.640 3.02 1.780 -6 1.740 3.12 1 880 - 7 12 oz 2.040 2.180 3.42 <u>م</u> 14 nz 2.540 2,680 3.92 2--5 DIE REPLACEMENT PARTS άTY DESCRIPTION PART NUMBER' ITEM SCREW, Shid Sit Hd, .187 Dia x .688 L 2 1- 22353-1 1 SPRING, Comp. .240 OD x .375 L 7 22280-1 2 LOCATOR, Left 308464-1 3 SCREW, Btn Hd Special 6- 59575-2 4 SCREW, Btn Hd Special 6- 59575-1 5 COMB ASSY² 6 308467-() STOP, Housing^a 308466-() 7 LOCATOR, Right 308465-1 8 STAKER, Upper² 3 312866-() q 2 SPACER² 312865-() 10 2 RING, Retaining 1- 21046-3 11 HOUSING BLOCK, Lower² 308461-() 12 SCREW^a, Btn Hd, 10-32 x 1.00 L 3- 21002-1 13 SCREW³, Btn Hd, 8-32 x .375 L 1 2- 21002-1 14 STAKER, Lower² 308462-() 15 DATE ENGINEERING APPROVAL 12-10-84 WHERE NO FOOTNOTE IS INDICATED, THE PART NUMBER IS SAME FOR ALL DIE ASSEMBLIES. NOTE 1: DASH NUMBER IS SAME AS POSITION NUMBER: EG. 308488-4 IS A HOUSING STOP FOR A 4-POSITION DIE ASSEMBLY. NOTE 2: PRESENT ON 13-POSITION AND LARGER DIE ASSEMBLIES. NOTE 3:

THE WEIGHT FOR 220165-4 DIE ASSEMBLY, WEIGHTS INCREASE SLIGHTLY AS RESPECTIVE DASH NUMBERS INCREASE. NOTE 4:

THE WEIGHT FOR 1-220155-4 DIE ASSEMBLY. WEIGHTS INCREASE SLIGHTLY AS RESPECTIVE DASH NUMBERS INCREASE. NOTE 5:

When returning the applicator and/or dies to AMP Incorporated for repair, carefully package either one or both items along with a written description of the problem and send to:

AMP APPLICATOR 220144-1 AND DIES 220155

AMP Incorporated Customer Repair 1523 North Fourth Street Harrisburg, PA 17102

or a wholly owned subsidiary of AMP Incorporated.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity: 220155-8 1-220155-0