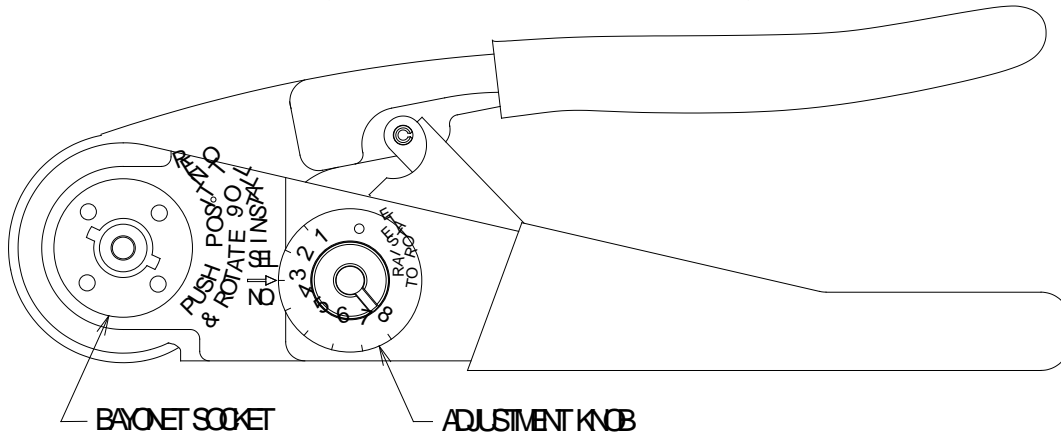




ASTRO TOOL CORP.

CONNECTOR ASSEMBLY TOOLING 612596 8-STEP ADJUSTABLE CRIMP TOOL (NSN 5120-00-833-4190)



GENERAL

The Astro Tool 612596 8-step crimp tool is a cycle controlled, precision crimp tool capable of crimping wire barrel sizes 20 to 28. This tool meets the performance requirements of M22520/34-01 and MS3198-1.

All Astro tools are designed to comfortably fit in your hand for less fatiguing hand operation. Observe the precision ratchet action by opening and closing the tool several times. Note that the tool cannot be opened without fully completing the crimp cycle.

BASIC TOOL OPERATION

NOTE: For proper crimping, the Basic Tool must be used with an appropriate Positioner Assembly.

1. Select the proper Positioner for the contact to be crimped.
2. Place the Positioner in the Bayonet Socket. Line up the pins on the Positioner with the slots on the Bayonet Socket. Depress the Positioner and rotate 90° clockwise and release. The Positioner will then be locked in place.

3. Consult the Data Plate on the face of the Positioner for the proper selector setting. Grasp the Adjustment Knob; raise and rotate until the proper selector setting is lined up with the arrow on the Top Handle. Release the Adjustment Knob.

4. Insert the contact through the Indenter Opening and into the Positioner.

5. Insert the wire into the contact. Squeeze the handles until the Tool comes to a positive stop. Release the handles and the tool will return to the full open position.

6. Remove the completed crimped assembly.

GAGING INSTRUCTIONS

Gaging the tool requires Astro Tool part number 621070 (MS3199-1) gage pin assembly.

1. Set the tool to selector setting # 8.
2. Close the handles to the fully closed position.
3. Holding the tool closed, insert the GO pin into the indenter opening as shown, see figure # 1 The gage must pass freely between the indenter tips.
4. Holding the tool closed, insert the NO GO pin into the indenter opening. The gage pin must NOT go between the indenter tips.

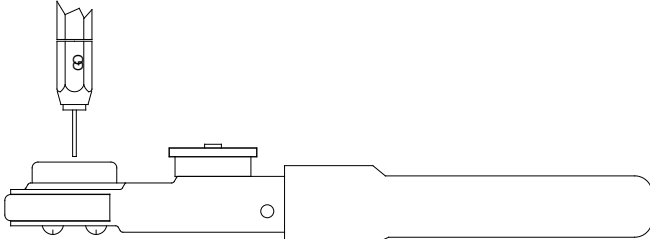
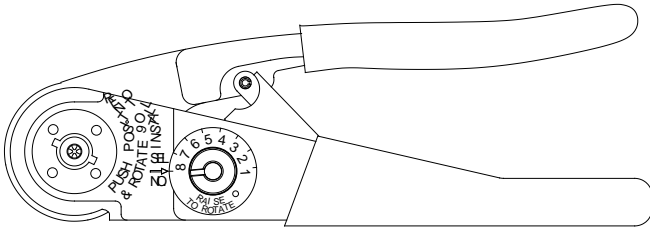


Figure # 1

CAUTION:
DO NOT CRIMP GAGE.
TOOL DAMAGE WILL RESULT.

GAGING INFORMATION
 (Dimensions in inches)

SELECTOR SETTING NUMBER	GO SIZE ± .0001	NO GO SIZE ±.0001
1	.0135	.0185
2	.0165	.0215
3	.0195	.0245
4	.0225	.0275
5	.0265	.0315
6	.0305	.0355
7	.0345	.0395
8	.0385	.0435

TOOL SERVICE

Astro Tool's 612596 Crimp Tool is designed for long, reliable service. If the tool becomes inoperative or does not gage properly, it is suggested that you contact our Customer Service Department for a Return Goods Authorization number and return the tool to our factory.

Upon receipt of the tool, Astro will inspect and overhaul each tool to put the tool back into acceptable and efficient operating condition. Worn parts will be replaced or repaired. Please note that Astro's Quality Control system is traceable to The National Institute of Standards and Technology (N.I.S.T.).

Service charges for tools not under warranty will be advised upon request.

Parts that Astro deems to have been damaged due to neglect, misuse or accident; and parts that have been altered or repaired by persons other than Astro Tool Corp. employees will be replaced subject to additional charge for such parts.

**TOOL HAS BEEN PERMANENTLY
 LUBRICATED AT THE FACTORY
 DO NOT OIL**

**ASTRO TOOL CORP. MANUFACTURERS OF INSERTION, REMOVAL,
 CRIMP TOOLS AND CONNECTOR SERVICE KITS**

ASTRO TOOL CORPORATION • 21615 S.W. T-V HWY. • BEAVERTON OREGON 97003
 503-642-9853 • FAX 503-591-7766