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J.S.T. (UK) LTD

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TECHNICAL
SERVICES

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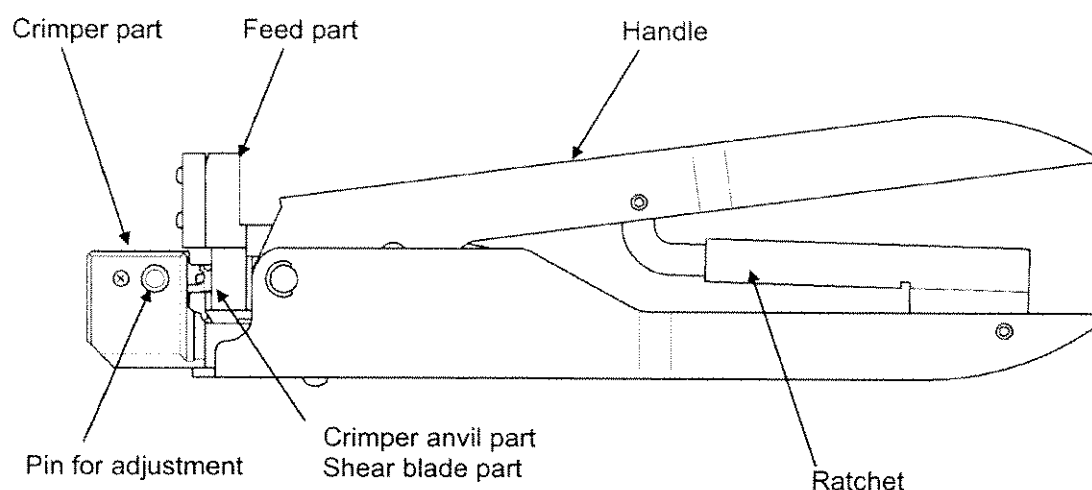


Fig.-1

1. Preface

- This is hand tool to crimp relative small size chain terminal, which is maximum 0.5 mm^2 , and it is applied to crimping very small amount of connectors e.g. trial sample and repair, etc. Crimper has 2 crimping part at both sides, so substitute applicable one due to wire size in use. Side-feeding terminal is used, and end-feeding terminal is not applicable to this YRS hand tool.
- Crimp height of YRS is stable, so variation of applicable wire is limited and 2 pairs of crimper may be accompanied due to terminal.

2. Handling Precautions

- ① Check that combination of wire to be used, terminal and tool is correct.
- ② Handle of tool has ratchet, and cannot be opened as far as crimping is completed. Do not open handle forcibly during crimping. When handle needs to be opened during crimping, pull out pin for adjustment, remove crimper and close handle until ratchet is released, handle can be opened.
- ③ Conduct following 3 inspections before using the tool:
Check that crimping part of die is free from scratch, rust or dust, etc.
Check that ratchet properly actuates. (Timing to release ratchet)
Check that tensile strength and crimping appearance. (Fig.-6)
- ④ Be sure to turn off power source of machine to process the other side of wire because this YRS hand tool is made from metal.
- ⑤ Never use this YRS hand tool except for crimping operation.
- ⑥ Lubricate oil to moving part of tool or pin periodically. When not using it for a long time, oil is applied to whole tool, wrap it in preventive rust bag or cloth, etc. and store it.
- ⑦ When repair is required due to breakage of tool or missing of parts, contact JST sales office.

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3. Crimping Operation

- ① Grip the handle of tool until ratchet is released, and open handle. Check applicable wire displayed on crimper, select crimping position due to wire size to be used and mount crimper. (Fig.-2) However, it has orientation, so fit the tip of screw to guide in gap to guide of crimper at insulation side as shown in Fig.-2. Screw to guide cannot be fit in the opposite direction.

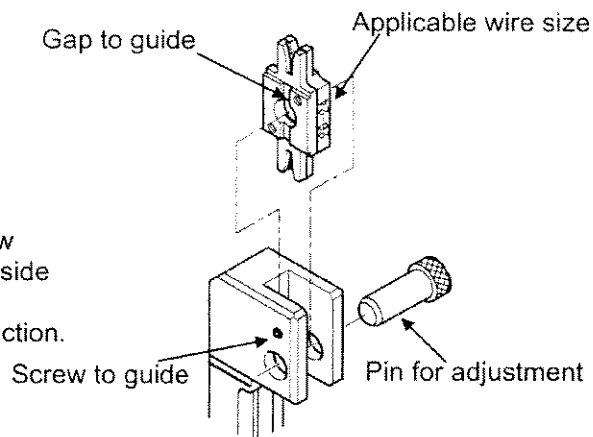


Fig. -2

- ② Insert strip carrier of terminal between ① terminal guide and ② guide plate, fit insulation barrel into gap of ② guide plate and feed terminal till it comes to the center of crimping part. Feed terminal checking notch with holding strip carrier by finger. (Fig.-3 and -4)

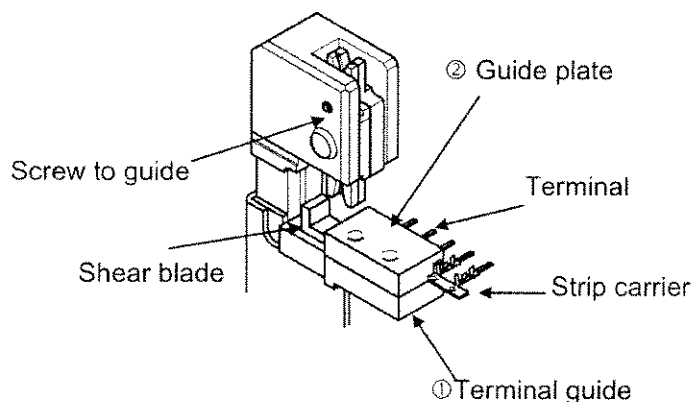


Fig.-3

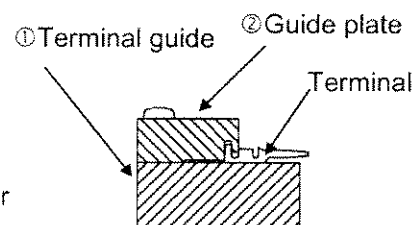


Fig.-4

- ③ Close handle not to deform barrel of terminal and press wire insulation end face of stripped wire to stripper which is located between conductor part die of crimper and insulation part die. Note: When wire with thick insulation is crimped, insulation may be bite. Then, do not press wire to stripper but insert wire into barrel of terminal to crimp.

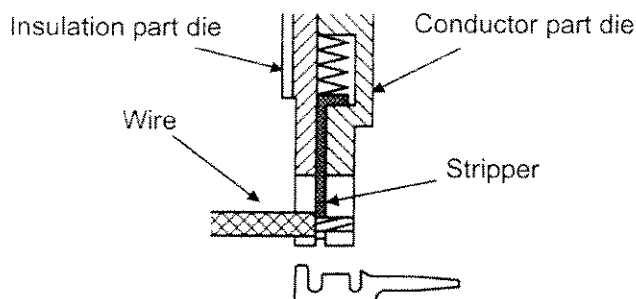


Fig.-5

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- ④ Squeeze handle holding wire to prevent deviation from the wire set position and crimp it till ratchet is released and handle opens naturally.
Take out crimped terminal and check the crimping appearance. (Fig.-6)

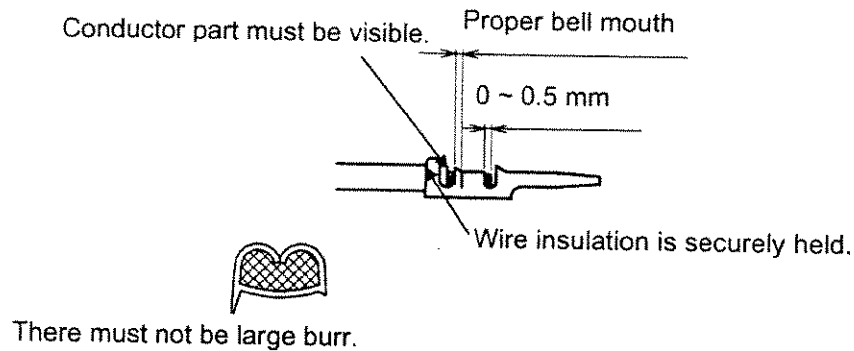


Fig.-6

4. Precautions for Crimping Operation

4-1 Force to squeeze handle

Do not grip handle with excessive force to prevent the breakage.
Although force to squeeze handle (force applied to handle) varies due to applicable terminal, handle is adjusted so that ratchet acts within the range from 20 kgf to 30 kgf.

4-2 Wire set

When handle is squeezed, crimper side comes down.
Be careful for that wire set in crimper side may come off stripper.

We require your understanding for change one part of the specification without notice.
Contact JST sales office for any doubts in usage and repair of tool.