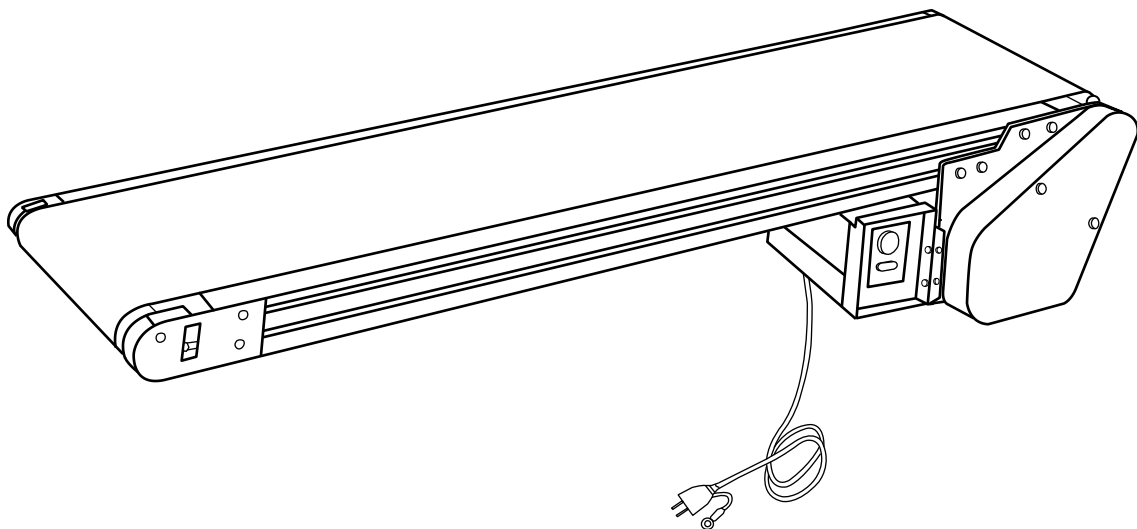


S-CON[®] MINI-PLAMO

SPM

OPERATING AND SERVICE MANUAL



Thank you very much for purchasing our **S-CONeMINI** series. This manual is specialized for the belt handling of **S-CONeMINI-PLAMO**. Before machine use, please carefully read this as well as **S-CONeMINI** series operating and service manual. Keep the manual where the machine is installed, so that it may be referred to when needed.



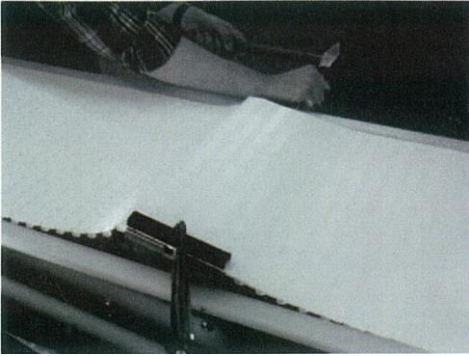
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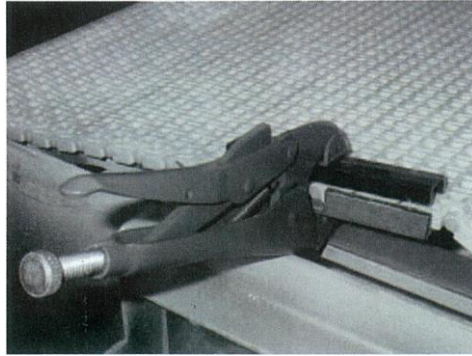
1

BELT REMOVAL IN MAINTENANCE — ROD REMOVAL

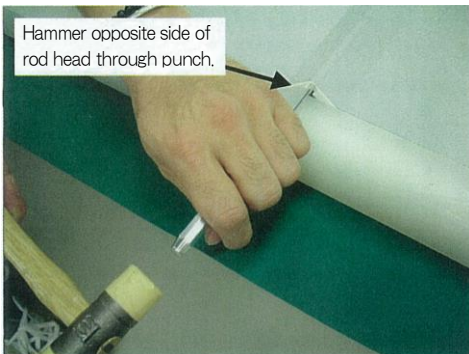
1. Remove rod with hammer and punch as follows.



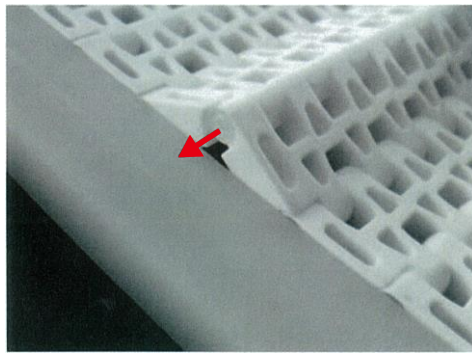
2. Rod removal can be easier by supporting opposite belt edge with fixing tool, such as shown in picture below.



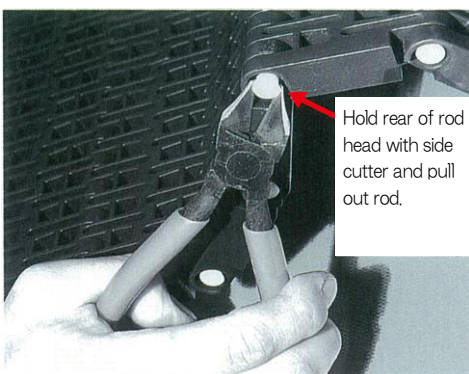
3. To remove rod, use punch on opposite side of rod head.



4. If you do not have a fixing tool (such as shown in picture of step 2), hold opposite belt edge as shown in picture below.



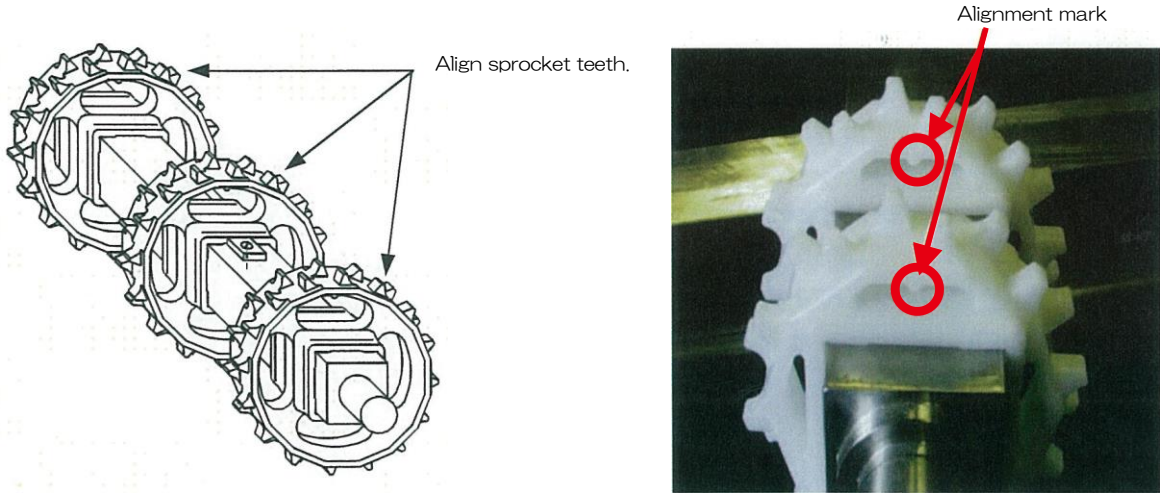
5. Pull out rod with side cutter (optional).



2

SPROCKET ALIGNMENT ON DRIVING SHAFT

When attaching sprockets on driving shaft, it is very important to align teeth of all the sprockets correctly. For this purpose, sprockets usually have alignment marks as shown in picture below.



3

CAUTION WHEN JOINING BELT



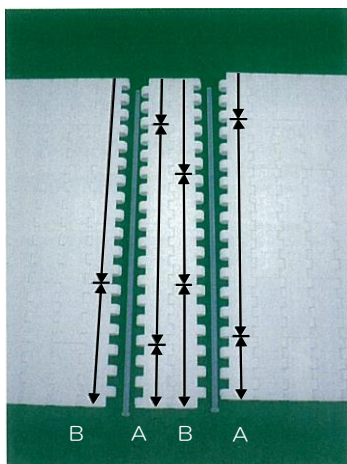
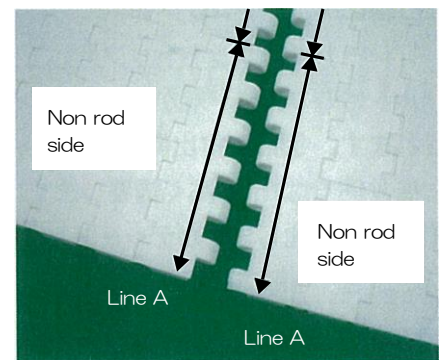
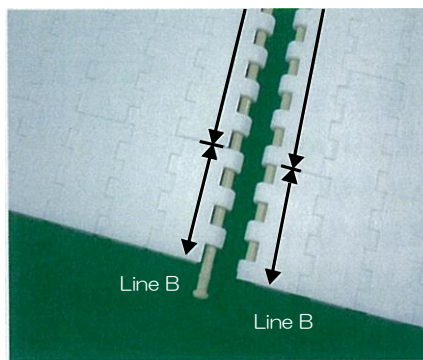
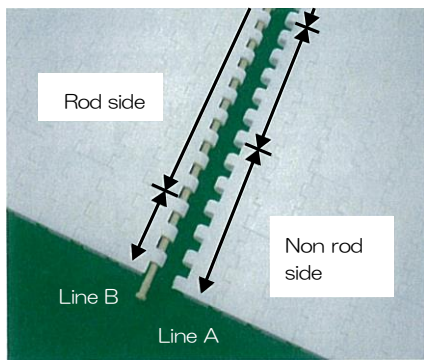
Correct joining position (not having same patterns)



Example of incorrect joining position (having same patterns)



Example of incorrect joining position (having same patterns)



*BELT SLACKNESS ADJUSTMENT AFTER TEST RUN

If it is necessary to adjust belt length after test run, be sure to make adjustment by increasing or decreasing set of A and B lines (2 links) as shown in picture, left.

This method is very important to maintain "brick pattern structure" and to keep belt strength.

4

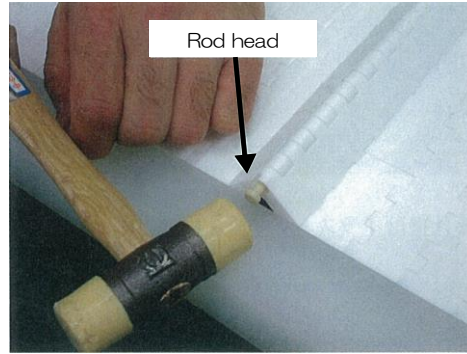
PIVOT ROD INSERTION

Once belt length is determined, carry out belt endless processing by inserting pivot rod.

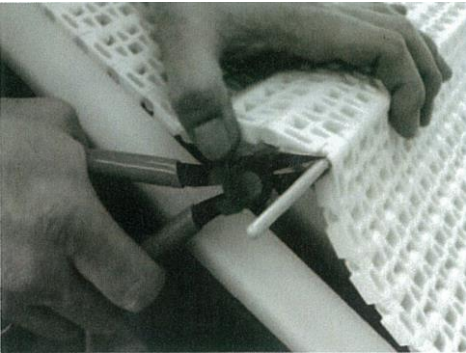
1. Insert rod.



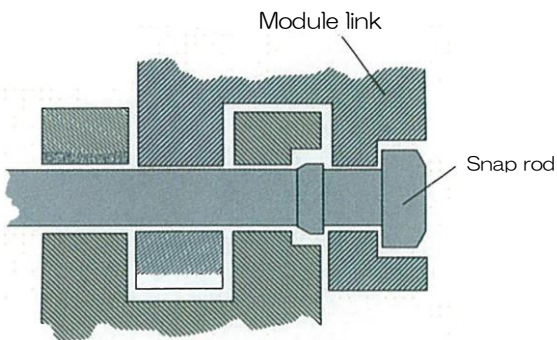
2. Hammer rod until in fixing position.



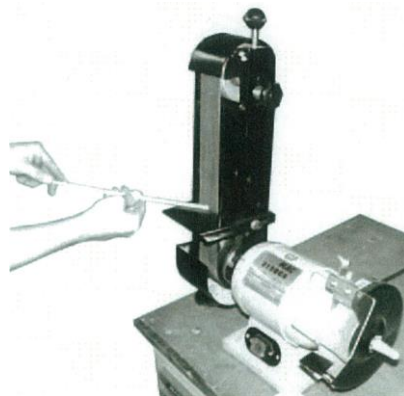
3. Cut off extra rod length, slightly inside belt edge.



●Function of snap rod system



●Rod end chamfering



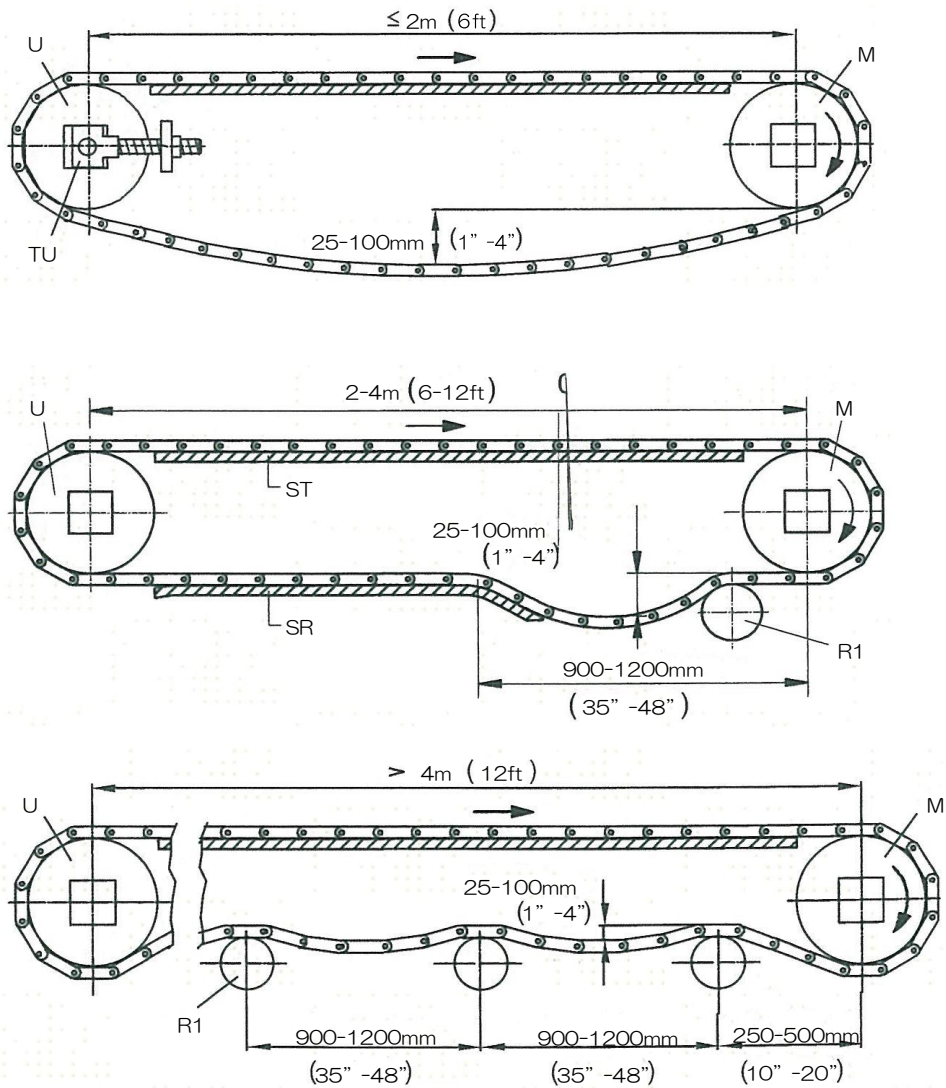
5

BELT SLACKNESS (CATENARY SAG)

Modular belt length remarkably changes depending on load and ambient temperature. Extra belt length to adapt to condition changes is managed on return side by sagging where belt is not supported.

For specifications of belt slackness, refer to figures.

If necessary, adjust belt length to make belt tension (or slackness) appropriate. In this case, make adjustment by increasing/decreasing belt lines or by adjusting take-up system if equipped.



MEMO

Customer Center

TEL +81-46-273-8989 FAX +81-46-273-8990

URL <https://www.hansou.jp>

E-mail kikaiinfo@eng.sanki.co.jp



[hansou.jp](https://www.hansou.jp)



Contact us

- Particular attention is given to the manufacture and transportation of SANKI conveyors. However, if you need any information about the use or failure of the machine or any other matters, please contact our customer service. Also do not hesitate to ask us for information about conveyors in general.
- The specification given in this manual are subject to change without notice.