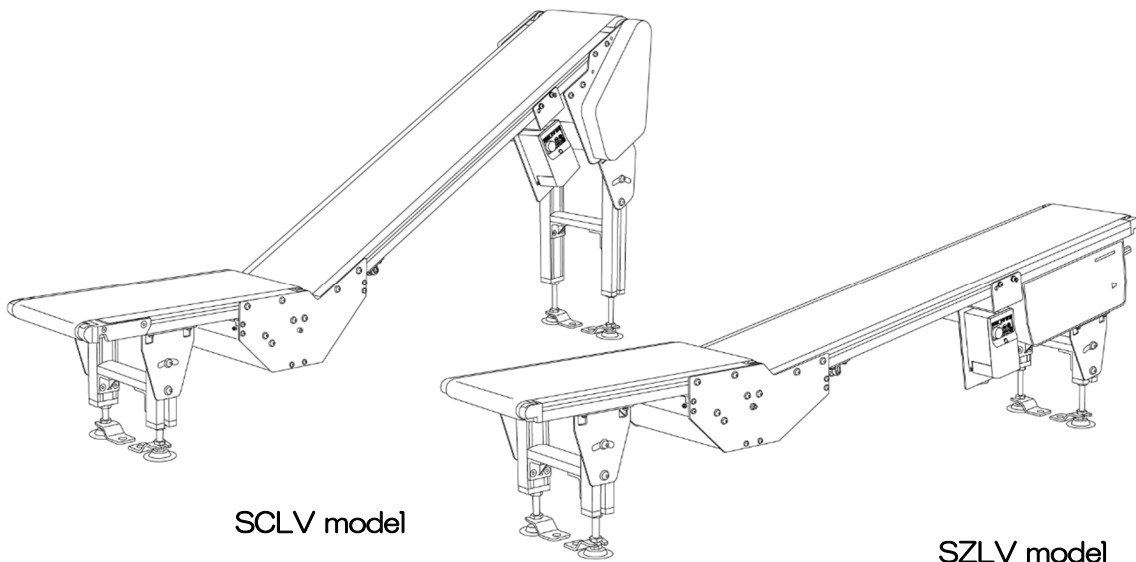


# S-CON<sup>®</sup>MINI

Horizontal Entrance Type

## BELT REPLACEMENT

### OPERATING AND SERVICE MANUAL



Thank you very much for purchasing our **S-CON<sub>®</sub>MINI** Series. To use the machine properly, please read this operating and service manual carefully before use. Keep the manual where the machine is installed, so that it may be referred to when needed.

This manual is an appendix showing how to replace the belt of **S-CON<sub>®</sub>MINI** Horizontal Entrance type. Please additionally refer to the following special manuals:

- **SCLV** model: **S-CON<sub>®</sub>MINI** Series Operating and Service Manual
- **SZLV** model: **S-CON<sub>®</sub>MINI-Z** Series Operating and Service Manual

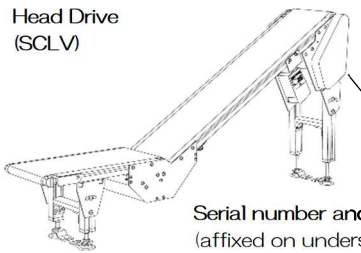


## TABLE OF CONTENTS

### Belt Replacement

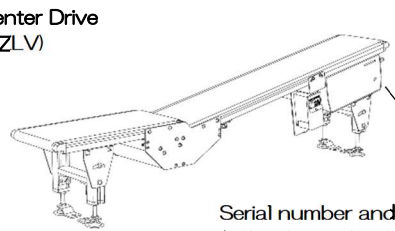
1. Disassembling Bent Unit ..... 4
2. Belt Replacement of Head Drive Type **SCLV** Model ..... 6
3. Belt Replacement of Center Drive Type **SZLV** Model .... 7

Upon delivery of this product, check the package contents to ensure the product matches your order. If the delivered items do not match your order, please contact our local agent directly before use.



Head Drive (SCLV)

Serial number and model label (affixed on underside of chain cover)



Center Drive (SZLV)

Serial number and model label (affixed on side of drive unit)

[Example of serial number and model label]

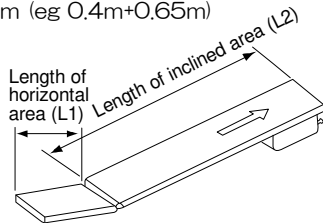
Date of production 20□□. □□  
 JOB No. □□-□□□□□-□□□-□□  
 SZLV30-0.4+0.65C (A-1A15.1) R-BG-10  
 1/18 M=13 P=13

Manufacturer's serial number (Refer to this number when contacting us)

Reduction gear ratio      Number of sprocket or timing-pulley teeth

SZLV   30 - 0.4+0.65   C ( A   90 - 1   A15.1 )   R - BG - 10

- ① Conveyor model code
- ② Nominal belt width in cm (eg 30cm)
- ③ Machine length in m  
 "Length of horizontal area + length of inclined area"  
 shown in m (eg 0.4m+0.65m)



- ④ Drive type (eg Center drive)

Drive type		Code	
Head drive (SCLV)	Under-mount motor	Double support with 50mm-clearance	H
		Double support with 150mm-clearance	HH
		Single support	A
	Side-mount motor	Standard motor	HS
		Vertical-axial motor	HSW
	Top-mount motor	Double support with 50mm-clearance	HU
Double support with 150mm-clearance		HUH	
Single support		AU	
Center drive (SZLV)	Under-mount motor	Standard motor	C

- ⑤ Motor type (eg Inverter variable speed)

Motor type	Code
Constant speed	K
Inverter variable speed	A
Brushless motor variable speed	B

- ⑥ Motor output (eg 90W)

Motor output	Code
90W	90
120W	12

- ⑦ Power source type (eg 100V single-phase)

Power source type	Code
100V single-phase	1
200V single-phase	2
200V three-phase	3
other	0

- ⑧ Power source frequency and Belt speed (eg 50Hz 15.1m/min)

NOTE: For variable speed, maximum speed is shown.

Frequency	Code
50Hz	A
60Hz	B

- ⑨ Switch position and Direction of belt travel (eg Right, Normal direction)

Switch position	Direction	Code
Right	Normal direction	R
Left		L
Right	Reverse direction	RB
Left		LB

- ⑩ Belt specification (eg Standard, Green)

Specification	Color	Code
Special rubber for inclines	Green	BG
	White	BW
Other	Other	XX

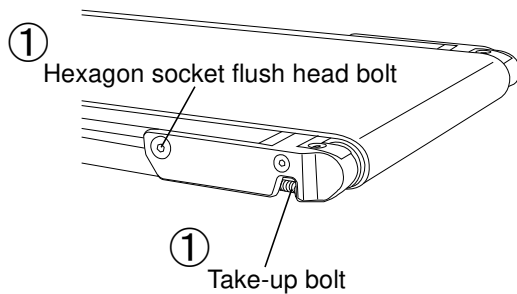
- ⑪ Inclined angle (eg 10° )

# BELT REPLACEMENT

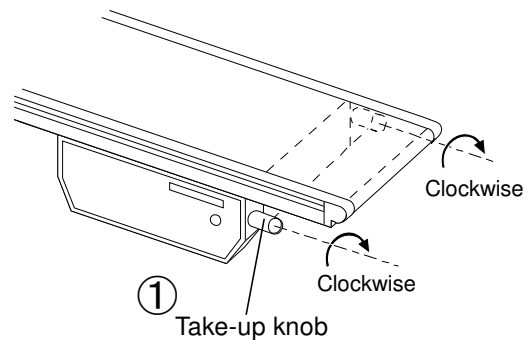
## 1. DISASSEMBLING BENT UNIT

- ① For head drive type **SCLV** model:  
On both sides of conveyor, loosen hexagon socket flush head bolts. Loosen belt by turning right and left take-up bolts.  
For center drive type **SZLV** model:  
Loosen belt by turning right and left take-up knobs.
  - ② Raise and remove return roller.
  - ③ Remove bottom covers on head and tail sides of conveyor.
  - ④ Remove pulley (with no groove) from inside of bent unit.
  - ⑤ Remove pulley (with a groove) from horizontal area.
- Continued to next page

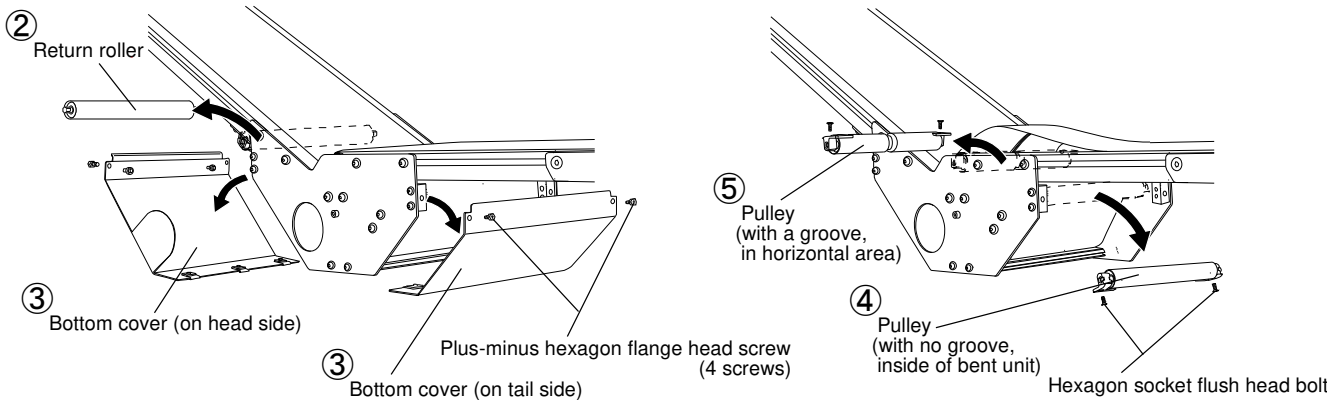
**fig. Head drive type SCLV model**



**fig. Center drive type SZLV model**

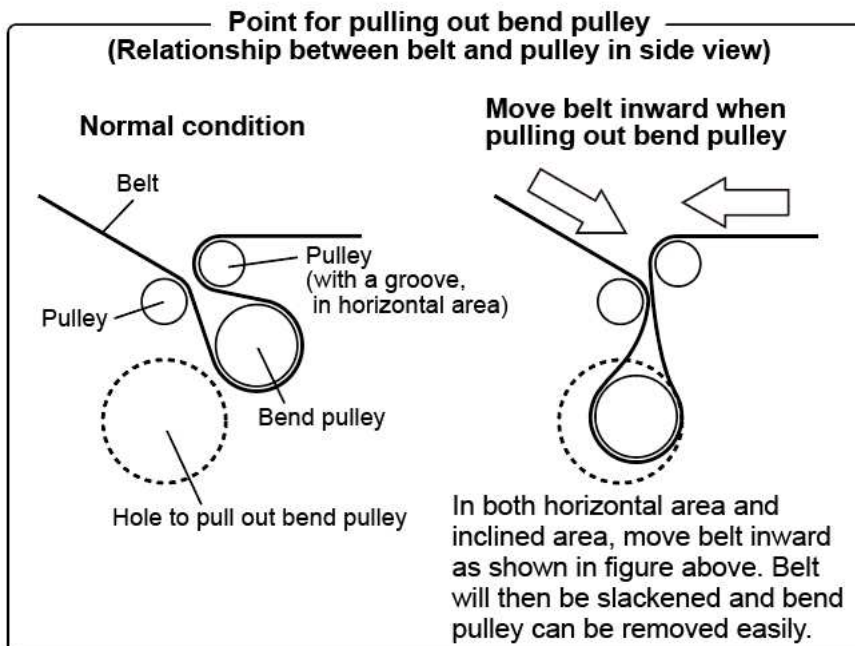
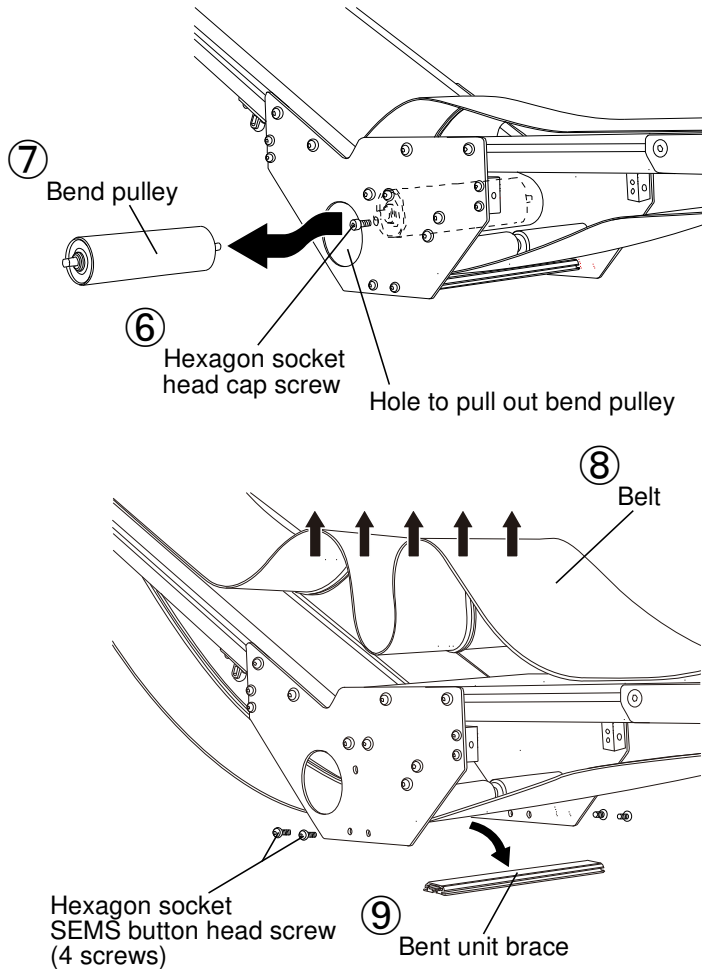


**fig. Bent unit (common to SCLV and SZLV models)**



- ⑥ On both sides of conveyor, remove hexagon socket head cap screws. (Bend pulley will then be released.)
  - ⑦ Pull out bend pulley from the hole. (See “Point for pulling out bend pulley” below.)
  - ⑧ Pull up belt.
  - ⑨ Remove bent unit brace.
- Continued to next page

**fig. Bent unit (common to SCLV and SZLV models)**



## 2. BELT REPLACEMENT OF HEAD DRIVE TYPE SCLV MODEL

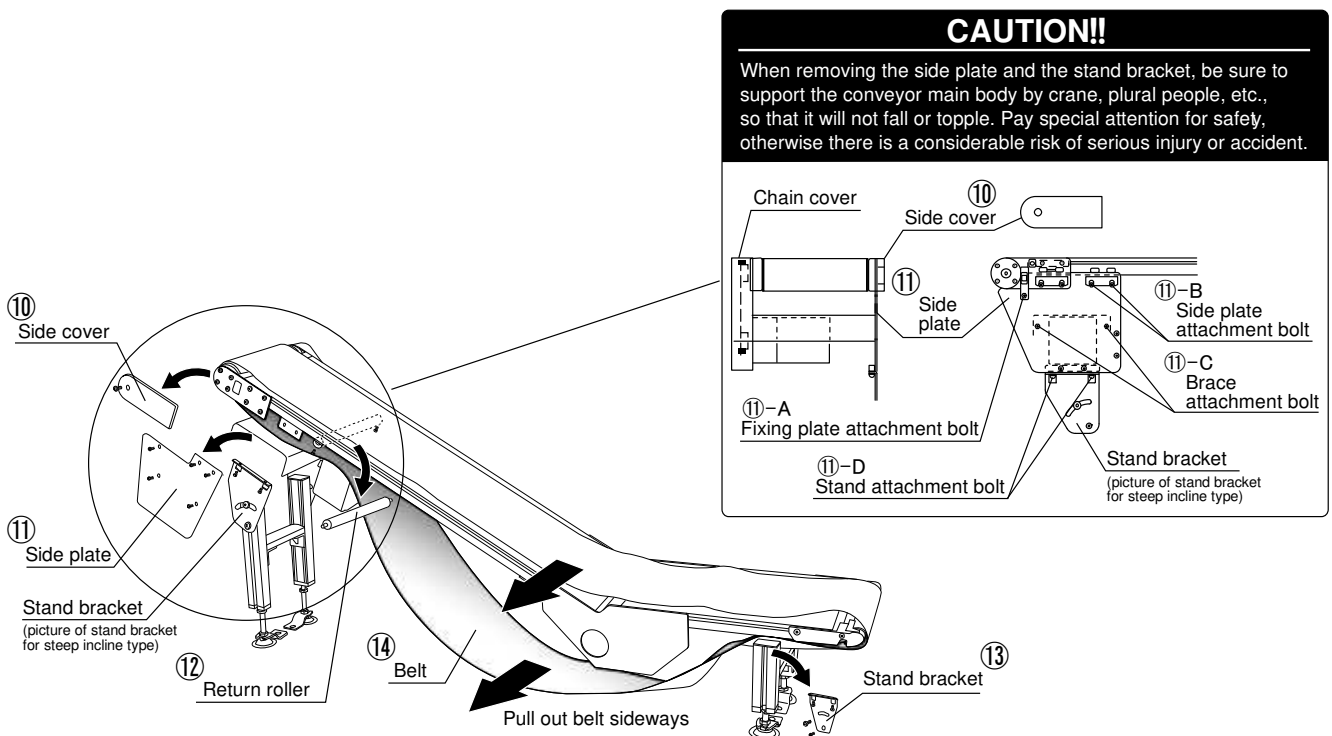
- ⑩ Remove side cover.
- ⑪ Remove side plate in order below:
  - ⑪-A Remove fixing plate attachment bolt (1 bolt on side plate).
  - ⑪-B Remove side plate attachment bolts (2 bolts).
  - ⑪-C Remove brace attachment bolts (2 bolts).
  - ⑪-D Remove stand attachment bolts (2 bolts).

NOTE: For single-support drive or side-mount drive, skip step ⑪ because these have no side plate.

- ⑫ Remove return roller.
- ⑬ Remove stand bracket. (By steps ⑩ to ⑬, clearance to pull out belt is made.)
- ⑭ Pull out belt sideways, and install replacement belt.

NOTE: When installing replacement belt, confirm direction of belt travel written on belt undersurface.

- ⑮ Reinstall all the removed parts. Take up the belt and make belt alignment adjustment, referring to “S-CON<sup>®</sup>MINI Series Operating and Service Manual” , p.19-23.



### 3. BELT REPLACEMENT OF CENTER DRIVE TYPE SZLV MODEL

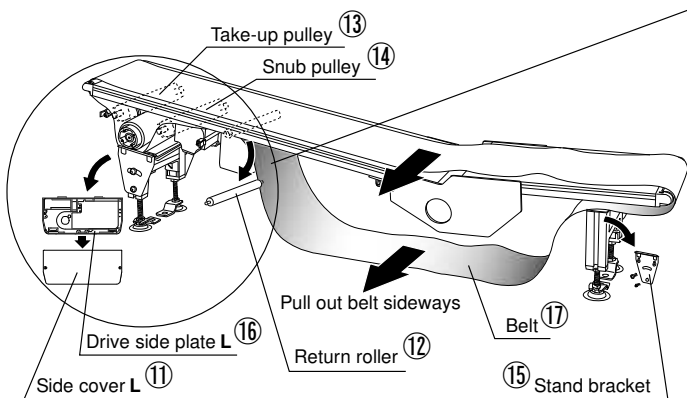
- ⑩ Remove under covers on knob side and motor side. →See fig. 1.
- ⑪ Remove side cover L.
- ⑫ Remove all the return rollers. (The number of return rollers depends on machine length.)
- ⑬ Remove take-up pulley, referring to “S-CON<sup>®</sup>MINI-Z Series Operating and Service Manual” , p.20.
- ⑭ Remove snub pulley, referring to “S-CON<sup>®</sup>MINI-Z Series Operating and Service Manual” , p.20.
- ⑮ Remove stand bracket.
- ⑯ Remove drive side plate L. →See fig. 2.

NOTE: For correct reinstallation of drive side plate L, mark its initial position before removal. Incorrect installation position causes belt deviation.

- ⑰ Replace the belt.

NOTE: When installing replacement belt, confirm direction of belt travel written on belt undersurface.

- ⑱ Reinstall all the removed parts. Take up the belt and make belt alignment adjustment, referring to “S-CON<sup>®</sup>MINI-Z Series Operating and Service Manual” , p.17-19.



**CAUTION!!**

When removing the side plate and the stand bracket, be sure to support the conveyor main body by crane, plural people, etc., so that it will not fall or topple. Pay special attention for safety, otherwise there is a considerable risk of serious injury or accident.

**fig.1: Underside of drive**

By sliding clips outward remove under covers on knob side and motor side.

**fig.2: Side of drive**

By removing bolts in positions A B C, remove drive side plate L.

⑬ Snub pulley bracket attachment bolt

⑭ Snub pulley

⑮ Snub pulley adjustment bolt

⑯ Drive side plate L

⑰ Take-up pulley

⑱ Take-up knob

Ⓐ: Brace attachment bolt (4 bolts)

Ⓑ: Drive pulley bearing attachment bolt (2 bolts)

Ⓒ: Drive unit attachment bolt (3 bolts)

## Customer Center

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

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

E-mail [kikaiinfo@eng.sanki.co.jp](mailto: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.