

Adjusting And Replacing Timing Belt; Type Of Timing Belt - Toshiba THL Series Instruction Manual

Industrial robot

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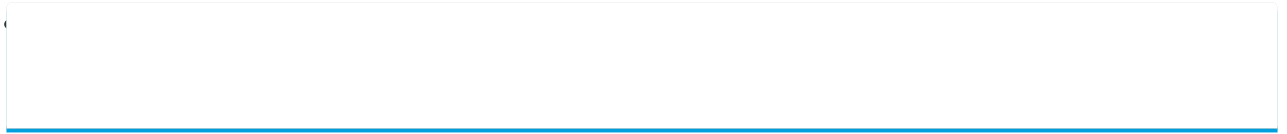
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Bookmarks



4.5

Adjusting and Replacing Timing Belt

The timing belt is to be replaced by our service engineer. If it is replaced by the

customer, we will not guarantee any consequential trouble or accident.

- The timing belt should be replaced with a new one only after the controller power supply plug is removed. If the work is done while the power is connected, you may get an electric shock or the robot may malfunction, which is very dangerous.
- The axis 3 motor is provided with a brake. At replacement of the axis 3 timing belt, this brake becomes inoperative. Before starting the work, therefore, move down the shaft to



the lower limit. Otherwise, the shaft will drop due to the dead weight of the shaft or workpiece, and your hand or finger may be caught.

- Because the timing belt is disconnected, the mechanical home point shifts and proper control cannot be done. To avoid this, home return operation is necessary after replacement of the timing belt. For the home return procedures, see "Section 7, Robot Home Point and Position Detector Error."

4.5.1

Type of Timing Belt

The timing belts used in this robot are shown below.

When you place an order for a replacement belt, specify the robot model (THL800, THL900, THL1000), the serial number, the axis name, and our drawing number.



For the location where the serial number plate is attached, see the "Safety Manual."

Table 4.3 Type of timing belt (THL800, THL900, THL1000)

Description

Timing belt

!

DANGER

!

CAUTION

Axis name

Width

Axis 3

10 mm

Axis 4

15 mm



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MAINTENANCE MANUAL

Our drawing No.

S891108

S891109

STE 85357

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