

## Replacing H100 Timing Drive Belt SBD-03 Coolroom and Freezer Door Opener

### To be used in conjunction with exploded view diagram

Before replacing drive belt try to establish why the old belt has been damaged or broken. The major cause is due to the door encountering an obstruction whilst travelling, in either the opening or closing direction, or continually hitting upon the door stoppers; thus causing undue and continuous strain on the belt.

1. It is easiest to replace belt when the Robot Door Mechanism is taken down off the wall, but is not essential.
2. Remove Drive Channel Cover (Pt.No.16) and Drive Unit Cover (Pt.No.38).
3. Loosen Idler Pulley Shaft (Pt.No.26) and wind out 3/8 Adjuster Bolt (Pt.No.12) ensuring locknut on bolt stays in its original position on the bolt. (This will be your reference point when retensioning the new belt.) The belt is now slack. Knock 3/8 Bolt towards powerhead to move Idler Pulley to the utmost minimum setting.
4. Remove cap screws from Belt Joiners (Pt.No.21). Pull Belt Joiners away from Link Shaft (Pt.No.18), turn 90° and remove through bottom of Drive Channel. Take Belt Joiners off from belt taking note of the overlap of teeth on the Belt Joiner and remove belt from Robot Door Mechanism.
5. Install new belt by feeding over Idler Pulley (Pt.No.27) and into Drive channel on one end and over Drive Pulley (Pt.No.9) and into Drive Channel on the other end. Bring both ends of the belt together and replace Belt Joiners. Reassemble in reverse order as above. Ensure teeth on belt are meshed with pulleys.

### CAUSE OF DRIVE BELT SNAPPING

- Door continually hitting obstruction
- Door jamming
- Door not weighted correctly (vertical lift)
- Reed switches not activating (on Robot drive mechanism)
- Door continually hitting hard against stoppers
- Door rollers broken
- Door has dropped onto door guide or floor
- Door damaged
- Replacement belt not installed as per instructions.