

8.1.1 TAPE READER

1. Cleaning head of tape reader

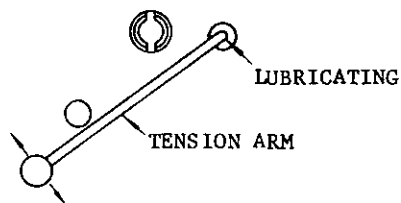
- A. Remove tape rubbish and dust on the glass with a blower brush. If the glass is stained with oil or oily dust, wipe it using a gauze or soft cloth with absolute alcohol. Also clean the tape guide and the tape retainer.
- B. Remove the dust, if any, on LED (light source) with a blower brush.

2. Cleaning of tape tumble box

- A. Clean the polyester leading tape with a clean, soft cloth.
- B. Remove the tape outlet cover (See Fig. 5.1.3) by loosening two mounting screws and clean the bottom of the tape tumble box with cloth or brush.

3. Lubricating of tension arm shaft†

For the control with 6 inch or 8 inch diameter reels, lubricate the shaft end of tension arm, when the tension arm does not move smoothly.



(In the case of 8 inches diameter reel)

Fig. 8.1

NOTE: When trouble occurs in feeding or winding tape with 8 inch diameter reels, open the front door and brush away dust around the photo-coupler by using a blower brush.

8.1.2 CONTROL PANEL

The control panel is a dustproof, sheet-steel enclosure with gasketed doors.

- A. Front and rear doors of the control should be shut tightly, even if the control is not operating.

- B. When inspecting the control with the door open, upon completion of inspection, lock the door by turning two door locks with the key attached to the control panel. Turning direction of door locks is as follows.

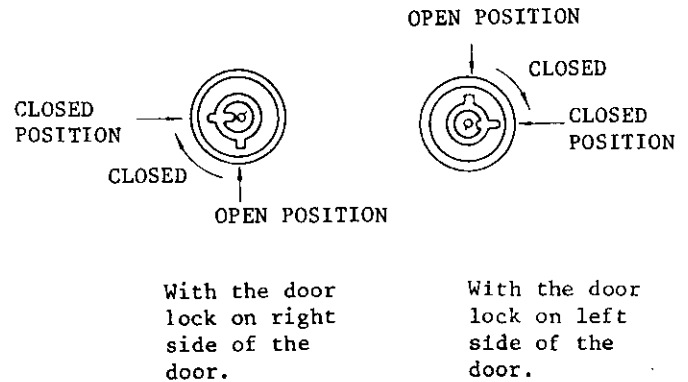


Fig. 8.2

NOTE: If the optional door interlocking switch is provided, opening the door shuts off the main power supply and stops all operations.

- C. Check gaskets on the rims of front and rear doors.
- D. See if the inside of enclosure is dusty. Clean it, if necessary.
- E. Check for any opening in the door base with the doors shut tightly.

8.1.3 SERVOMOTOR AND DCMOTOR FOR SPINDLE

1. Vibration and noise.

Vibration can be checked by resting the hand on the motors, and for noise, using a listening stick is recommended. If any abnormality is found, contact maintenance personnel immediately.

2. Motor contamination and impairment.

Check the motor exterior visually. If dirt or damage should be observed, inspect the motor by removing the machine cover. Refer to the machine tool builder's manual.