

## 5. TAPE READER

### 5.1 TAPE READER COMPARTMENT

#### 5.1.1 TAPE FEED SWITCH AND SYSTEM NO. SWITCH

These switches are located above the tape reader and are accessible when the tape reader door is opened.

##### • TAPE FEED switch

This is a spring return type switch for manually feeding the tape forward and backward. When the switch lever is pushed to the F (forward) direction, the tape moves forward, or from right to left, and when it is pushed to the R (reverse) direction, the tape moves in the reverse direction. However, during an automatic or manual operation cycle, and while the tape guide is pushed up, this switch is ineffective. The tape feeder is stopped when the control reads % code.

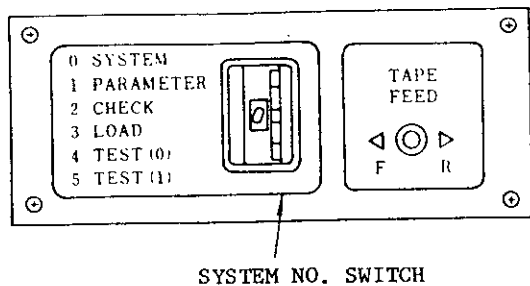


Fig. 5.1

##### • SYSTEM No. Switch

Normally, this switch is not to be manipulated by the user. During ordinary NC operations, the switch should be in the 0 position. For writing parameters, it should be set at "1." For details, refer to 4.1.13 TAPE FEED AND SYSTEM NO. SWITCHES.

#### 5.1.2 TAPE READER

##### • Light Source

As the light source, and LED is used. It requires no maintenance except for daily cleaning.

##### • Tape Reading Head and Tape Feeder

In the tape reading head, phototransistors are built in under a glass window. Since dust and

scratches on the glass window are liable to cause reading errors, it should be cleaned periodically, and handled with care. Refer to 8.1 ROUTINE INSPECTION SCHEDULE. Located in the center is the tape feed sprocket, for engaging the feed holes of the part program tape.

##### • Tape Guide

For feeding a tape through the tape reader, push up the tape guide release magnet under the reading head to raise the tape guide, pass the tape over the reading head, and then, push down the tape guide gently. While the tape guide is lifted, cycle start in the TAPE mode cannot be made, and the TAPE FEED switch is ineffective. The sprocket is freed from the feed holes so that the tape can be pulled freely in both directions.

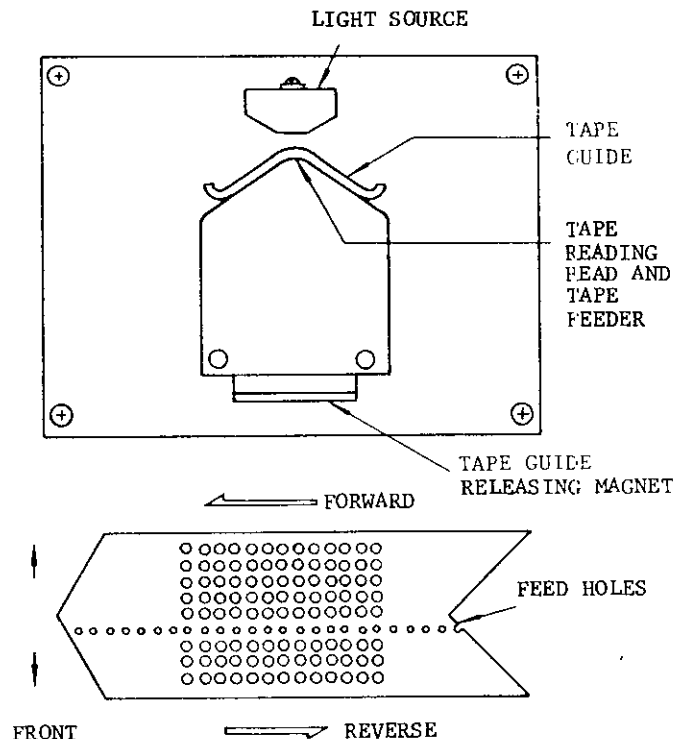


Fig. 5.2

#### 5.1.3 TAPE TUMBLE BOX

The tape tumble box is installed under the tape reader.