HIGH SPEED TAPE READER UNITS (CX)

INSTALLATION

1. GENERAL

1.01   This section provides installation information for the high speed tape reader set (Figure 1) consisting of a base, reader, gear set, motor unit, and cover. Refer to Section 570-220-702 for motor unit installation information.

1.02   Each component is packed in a separate carton. The cover consists of two parts packed in the same carton. Set each component aside carefully until all components are unpacked.

1.03   Refer to the wiring diagrams included with the base and reader for electrical connections and Section 592-801-100 for additional electrical data.

2. UNPACKING

BASE

2.01   Cut the seal and open the top flaps of the cardboard carton. Remove the wiring diagram which is under the metal bracket across the top of the base. Remove the corrugated liner that holds the base in place. Grasp the bracket across the top of the base and lift the base from the carton.

READER

2.02   Place the carton on its side. Cut the seal at the top and bottom ends, open the flaps, and remove the wiring diagram from the top end. Hold the carton in place and gently push against the wooden pallet at the bottom end to remove reader from carton. Rest the reader on the plywood pallet and remove the tape from the seam of the corrugated sleeve surrounding the reader. Remove this sleeve and the cardboard detail from the top of the unit. Cut and remove the tape which secures the reader to the plywood pallet. Lift the reader straight up from the pallet and set it down. Carefully remove the tape that secures the coverplate and tape guideplate to the reader.

COVER

2.03   Cut the seal at the top of the carton and open the flaps. Lift the two cover pieces from the carton and remove the tissue paper.

GEAR SET

2.04   Cut the seal at the top of the container and open the flaps. Remove the gear set from the container and remove the wrap.

MOTOR UNIT

2.05   Cut the seal at the top of the carton and open the flaps. Lift the motor and packing material from the carton. Remove the packing material from the unit. Refer to Section 570-220-702 for additional installation information.

3. INSTALLATION

BASE

3.01   Remove the muslin bag tied to the base containing the mounting hardware. Mount the motor unit to the base (Figure 2) with the mounting hardware provided. Attach the gear set to the motor shaft.
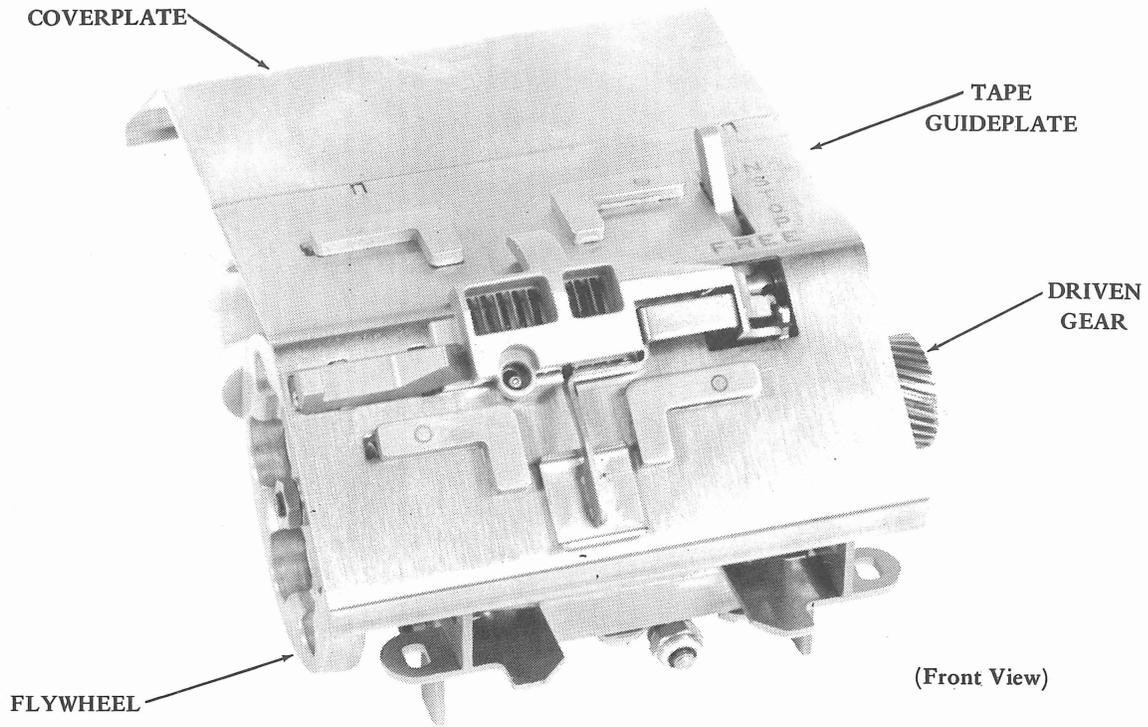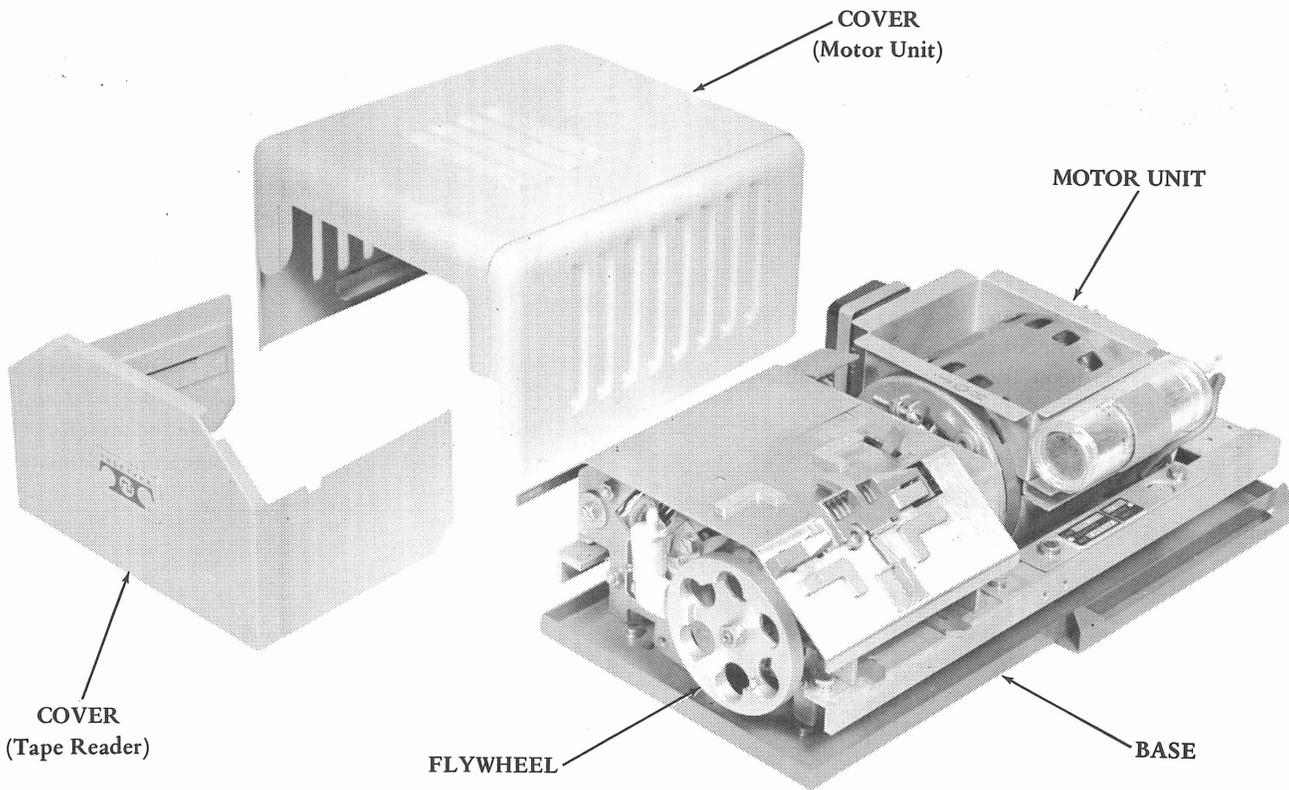
COVERPLATE

TAPE
GUIDEPLATE

DRIVEN
GEAR

(Front View)

FLYWHEEL

Figure 1 - High Speed Tape Reader (CX)

COVER
(Motor Unit)

MOTOR UNIT

COVER
(Tape Reader)

FLYWHEEL

BASE

Figure 2 - High Speed Tape Reader (Covers Removed)

COVER
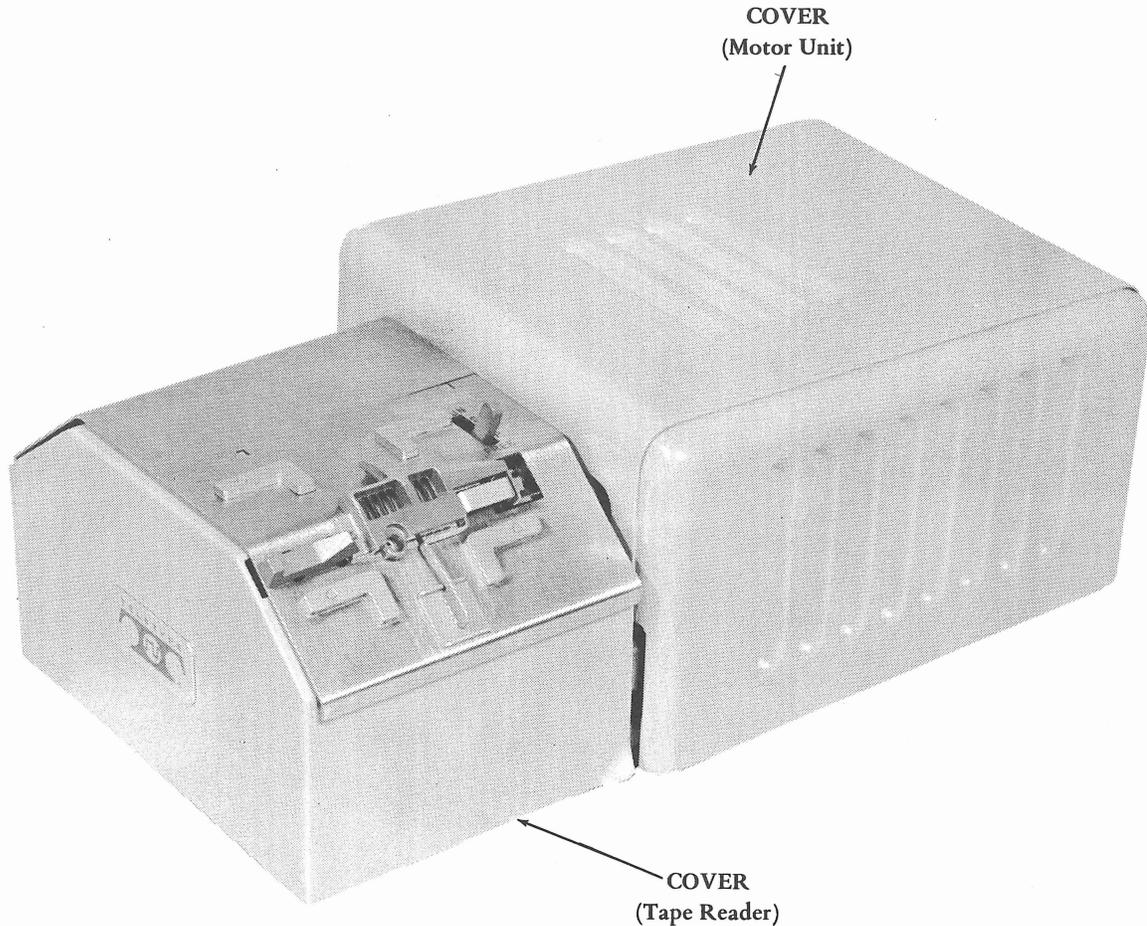(Motor Unit)

COVER
(Tape Reader)

Figure 3 - High Speed Tape Reader With Covers

3.02   The base is provided with rubber feet at each corner to prevent scratching any surface it may be placed on. Vibration mounts are provided for the reader unit to minimize shock and transmission of mechanical noise.

READER

3.03   Place the reader (Figure 2) on the base so that the plug mates properly with the receptacle on the base. Secure the reader to the base with the three mounting screws and lockwashers provided. The screws should be finger tight. Check for barely perceptible backlash between reader driven gear and motor pinion gear. Tighten mounting screws. Manually rotate the flywheel and check for proper operation and freedom from binding between parts.

COVER

3.04   The cover (Figures 2 and 3) consists of two parts which enclose the motor and reader. Place the larger part over the motor unit so that is rests on the base. Slide the other part into place from the right side of the reader. This part is held in place by the spring action of its sides.