

HIGH SPEED TAPE PUNCH UNIT

(BRPE TYPE)

DISASSEMBLY AND REASSEMBLY

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1. GENERAL

1.01 This section provides disassembly and reassembly information for the high speed tape punch unit (BRPE type). It is reissued to expand the text, add a figure, and change the title. Because this is a general revision, marginal arrows used to indicate changes and additions have been omitted.

1.02 The disassembly procedure divides the punch unit into its major subassemblies in the reverse order to that normally used in the assembly of a new unit. If further disassembly is needed, refer to Section 592-802-800TC for a detailed arrangement of parts.

1.03 Most maintenance, lubrication, and adjustments can be done by removing the punch unit from its enclosure. However, if disassembly beyond the level of subassembly is performed some adjustments may be disturbed. Therefore when remounting subassemblies, check all associated adjustments, clearances, and spring tensions as outlined in Section 592-802-700TC.

1.04 If any part mounted on shims is removed, note the number of shims in the pile-up so that the same amount can be used when remounting the part.

1.05 Retaining rings have a tendency to release suddenly. To avoid loss of these rings, remove as follows: Hold retaining ring and place a screwdriver blade in one of the ring's slots. Rotate screwdriver to increase the ring diameter. Remove the retaining ring.

1.06 When removing a subassembly from the punch unit, carefully note the procedure followed and the position and location of parts so as to simplify reassembly. If no specific instructions are given for reassembly, reverse the disassembly procedure used. If the punch unit has been disassembled beyond the subassembly level, follow the adjustment sequence given in Section 592-802-700TC for reassembly.

1.07 Refer to Section 570-005-800TC for tools needed to aid in the disassembly and reassembly of the punch unit.

CAUTION: DISCONNECT POWER FROM PUNCH UNIT BEFORE STARTING DISASSEMBLY.

2. DISASSEMBLY AND REASSEMBLY

COVER

2.01 To remove the cover, lift it up and away from the punch unit.

2.02 To remount the cover, place it over the punch unit assembly. Carefully lower cover to fit the four rubber grommets on the base into the provided slots.

MOTOR UNIT

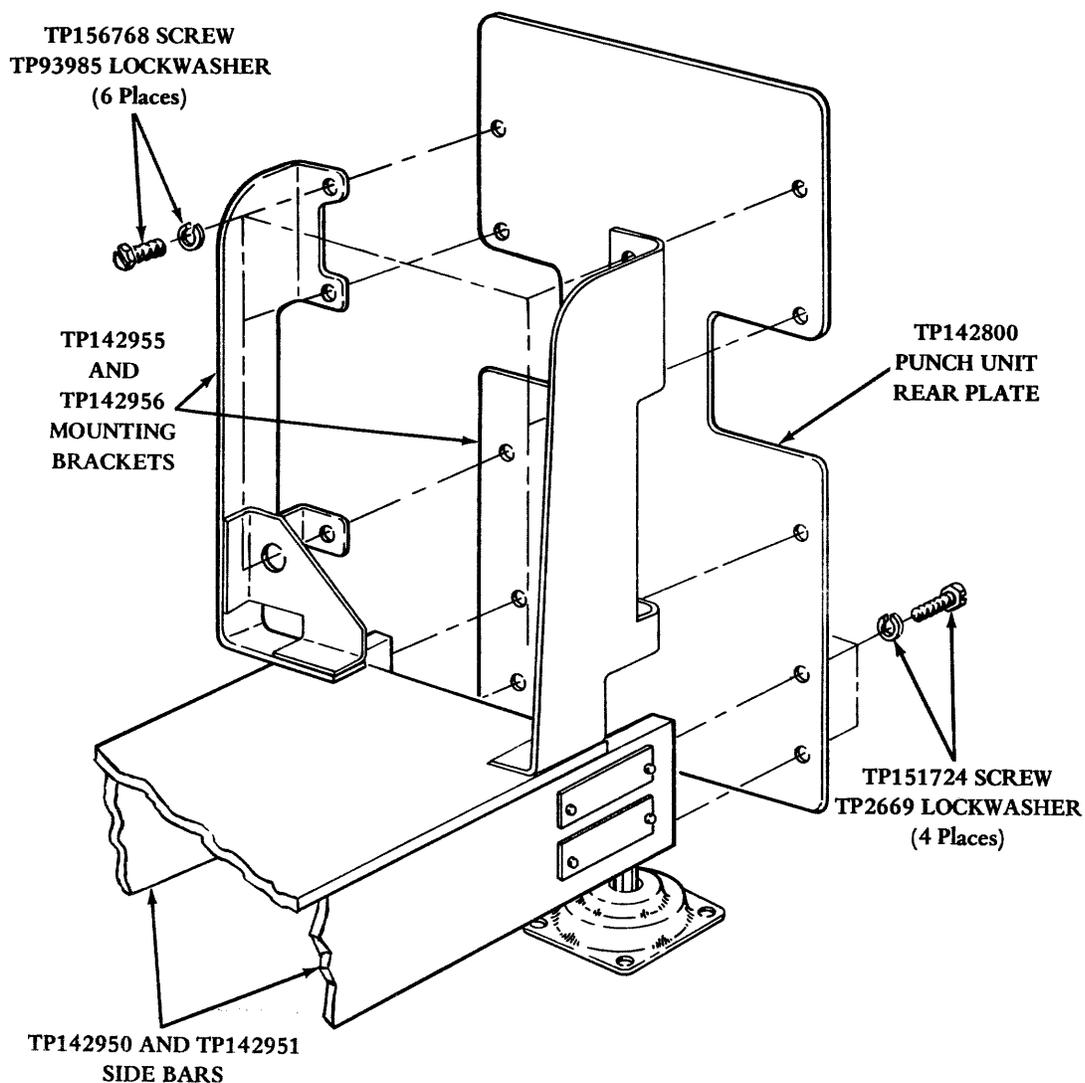
2.03 To remove the motor unit, disengage the timing belt from its sprockets. Disconnect the motor cable leads from the terminal board on the base. Note the position of the hardware on the four motor mounting screws and then remove them. Lift the motor unit from its base.

PUNCH UNIT

2.04 Remove the chad disposal tube and the timing belt. Disconnect the punch unit cable pin connector. Remove the punch unit by removing six mounting screws (see figure) that pass through mounting brackets TP142955 and TP142956 on the base and into rear plate TP142800.

Also remove four mounting screws that pass through the rear plate into side bars TP142950 and TP142951. Pull punch unit forward to remove.

2.05 To remount the punch unit, reverse the procedure used to remove it. Refer to Section 592-802-700TC to check any adjustments or spring tensions suspected of going out of tolerance.



Rear Plate Mounting

PUNCH BLOCK MOUNTING PLATE ASSEMBLY

2.06 To dismantle the punch block mounting plate assembly, remove the chad container first. Then remove the punch unit cover by removing its four mounting screws. Remove the retaining ring from the stud at the left end of feed link TP143014. Remove tape cutter TP142917 by loosening its mounting screw. Remove the two screws that pass through punch block plate TP142911 into front plate TP142880. Remove three mounting screws from mounting plate TP142901, and slide the mounting plate slightly to the left. Disconnect the punch pins from the drag links. Pull the assembly forward slowly and disconnect feed pawl link TP143045 from the stud on feed link TP143014.

2.07 To remount the assembly, place it into position and connect feed pawl link TP143045 onto the stud of feed link TP143014. Make sure that the drag links properly engage the punch pins, then reverse the procedure used to remove the assembly.

FEED AND PUNCH MAGNETS

2.08 To remove any group of magnets, remove the two mounting screws and lockwashers from the magnet bar. To remove an individual magnet assembly, remove the two mounting screws with hardware from the mounting plate.