ImageWriter Self Test Problems

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DESCRIPTION:
This table is composed of fixes for typical Imagewriter Self Test problems.

YOU WILL NEED:
1. Level I Tech Procedures
2. Imagewriter User's Manual

BEFORE YOU START:
1. If replacement or adjustment procedures are needed, refer to the Tech
   Procedures.
2. If a replacement doesn't fix the problem, reinstall the original
   module/part before continuing with the procedure.
3. If locations for ImageWriter controls are needed, refer to the User's
   Manual.

INSTRUCTIONS:
1. To initiate Self Test, press Form Feed while you turn on the printer.

   * The printer should repeatedly print out end to end CHARACTER SETS like
     the one shown below. If it does and the print quality is good, the IW
     has passed Self Test.

!#$%&'()*+,-./0123456789:;<>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_'abcdefghijklmno
pqrstuvwxyz{|}

2. Find the problem below and perform the appropriate FIX.
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    PROB: There is a burning odor, or erratic carrier motion, or erratic
          platen rotation.
     FIX: Recheck for the problem after replacing each of the following parts:
      (1) CPU PC board
      (2) Carrier motor
      (3) Mechanical assembly

    PROB: The printer doesn't repeatedly print sets of characters when Self
          Test is initiated.
     FIX: Perform the following steps. Retry Self Test if a problem is found.
      (1) Check that the top cover is seated properly. If it isn't, close it.

Then press SEL and re-try self-test.
     (2) Check if the PE lamp is lit on switch panel. If it is, reload the
         paper and try self-test.
     (3) Check the connectors between the carrier and carrier motor and the
         CPU PC board. If any of the connectors are loose, connect them.
     (4) Replace the CPU PC board.
     (5) Replace the carrier motor.

   PROB: The printer prints character sets when Self Test is initiated but
         the print quality is poor.
    FIX: Find your print quality problem in the tables below.

       * DOTS MISSING
       (1) Make sure the dot head is in place.
       (2) Make sure the dot head is not clogged with dirt.
       (3) Make sure the dot head connector is properly plugged into
           CPU PC board.
       (4) Check impression control lever properly set. Push it away from
           you to its forwardmost position if using a single sheet of paper.
       (5) Replace the dot head.
       (6) Replace the CPU PC board.

       * PRINT TOO LIGHT OR OF VARYING INTENSITY
       (1) Check that the impression control lever's position is properly set.
           If using a single sheet of paper, push the lever away from you to
           its forwardmost position.
       (2) Substitute a new ribbon cartridge.
       (3) Check if ribbon wire tension is too loose and adjust as necessary.
       (4) Adjust intensity pot located under the clear plastic sheet that
           covers the configuration switches. Locate VR2 IMPRES and adjust
           for optimum print density.
       (5) Replace the ribbon cartridge.
       (6) Replace the dot head.
       (7) Replace the CPU PC board.

       * HORIZONTAL   SPACING   PROBLEM
       (1) Check if carrier wire is strung properly or out of tension
           specification.
       (2) Replace the carrier wire.
       (3) Replace the carrier motor.
       (4) Replace the CPU PC board.

       * CHARACTERS DO NOT ALIGN VERTICALLY
         Locate VR1 ALIGN under the clear plastic sheet that covers the
         configuration switches. Adjust for optimum vertical alignment.
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