FOR COMPLETED CPS-158:

1. REMOVE WIRE FROM U6-7 TO U11-18.
2. REMOVE WIRE FROM U3-6 TO U26-1.
3. CUT TRACE LEADING TO FEEDTHRU LOCATED (LB2) BETWEEN PINS 15 & 16 OF U8 ON SOLDER SIDE.
4. CUT TRACE LEADING UP FROM U8-32 ON COMPONENT SIDE. (NDP)

1. ADD WIRE FROM U8-8 TO U11-18. (A10)
2. ADD WIRE FROM U11-19 TO U28-1. (A10)
3. ADD WIRE FROM U26-9 TO U19-18. (SAL) (LB2)
4. ADD WIRE FROM U26-9 TO U28-1. (LB2)
5. ADD WIRE FROM U26-9 TO U28-1.
6. ADD WIRE FROM U26-9 TO U19-18. (LB2)
7. SOLDER A 20-PIN SOCKET AT LOCATION U8.
8. ADD WIRE FROM U8-19 TO U2-1. (A19)
9. ADD WIRE FROM U11-12 TO U2-1. (A19)
10. ADD WIRE FROM U11-6 TO U2-3. (A19)
11. ADD WIRE FROM U11-15 TO U2-4. (A17)
12. ADD WIRE FROM U6-30 TO U2-7. (A18)
13. ADD WIRE FROM U6-39 TO U2-10. (A18)
14. ADD WIRE FROM U6-2 TO U2-7. (A14)
15. ADD WIRE FROM U11-1 TO U2-8. (SERVICE)
15. 14.
19, 18, 17, 16. B000-DF00 interrupt on write only.

---

Diagram showing a logic circuit with labels for A0, A10, A11, A15, A16, A17, A19, and A26. Connections and logic gates are shown with labels 2, 26, 3, and 0. Nodes are marked with numbers 0, 1, 2, 3, 4, 5, 6, 7, 8, and 9. The circuit includes a note mentioning INT 7.
CPS-16X

UPGRADE TO RFU E.
MS-SLAVE UPGRADE MODIFICATIONS
FOR CPS-16X, REV C & D

\( \times 1. \)
\( \text{a) Add one 14-pin socket to OUT.Kit. (for U26)} \)
\( \text{b) Add one 1k ohm resistor to IN.Kit.} \)
\( \text{c) Add 74LS32 to IN.Kit. (for U26)} \)

\( \times 2. \) For flow soldering, place the 14-pin socket such that pin 7 of the socket inserts into pin 8 of the spare position U26. Reference U26 pin numbers to the 14-pin socket.

\( \times 3. \) For flow soldering, place a 1k ohm resistor between the spare location pins 1 & 16 (which is just left of the socket added).

\( \times 4. \)
\( \text{a) Add a jumper from U6 pin 7 to U11 pin 10.} \)
\( \text{b) Add a jumper from U11 pin 19 to U3 pin 5.} \)
\( \text{c) Add a jumper from U3 pin 6 to U26 pin 1 to U26 pin 4.} \)
\( \text{d) Add a jumper from U20 pin 11 to U26 pin 2.} \)
\( \text{e) Add a jumper from U20 pin 13 to U26 pin 5.} \)
\( \text{f) Add a jumper from U26 pin 3 to U18 pin 1.} \)
\( \text{g) Add a jumper from U26 pin 6 to U18 pin 2 to U9 pin 25.} \)
\( \text{h) Remove device U6.} \)
\( \text{Read out pin 17 of U6.} \)
\( \text{Place U6 back into socket.} \)
\( \text{i) Add a jumper from U18 pin 3 to pin 1 of the spare 1k-ohm resistor, and then over to the bent out pin of U6 pin 17.} \)
\( \text{j) Add a jumper from the spare location pin 16 to U26 pin 14 which ties +5V to chip U26.} \)

\text{Need}
- 14 pin socket
- 1k ohm resistor
- 74LS32