

17. Reinstall record/reproduce unit into system and reconnect connectors removed in step 1.
18. Perform the PURC adjustment procedure, in the Maintenance section of the manual, on each channel converted to PURC operation.

AG-440A, AG-440B AND MM-1000 INSTALLATION

Use PURC Accessory Kit 4010236-03 for recorder/reproducer models AG-440A, AG-440B, or MM-1000 systems. For record/reproduce unit 4020260 (AG-440A, AG-440B) refer to schematics 4840409 or 4840410 respectively. For record/reproduce unit 4952201 (MM-1000) refer to schematic 4840411. Proceed as follows:

1. Unplug all connectors at the rear of the record/reproduce unit to be converted to PURC operation.
2. Remove the record/reproduce unit from the system (two front-mounting screws) and place unit on a work bench.
3. Remove record amplifier, bias amplifier, and reproduce amplifier modules from the record/reproduce unit.

4. Remove top and bottom covers by removing one screw in the center of each cover and loosening two screws at the rear of each cover.
5. Remove two screws from each side of the rear panel to gain access to the rear panel assembly as shown in Figure 5.
6. Remove shield that covers record connector J10 and reproduce connector J3 (two screws).
7. Remove shield that covers the SAFE/READY/SEL SYNC switch S1 wafer.
8. On the rear of switch S1 wafer, locate bias trap consisting of a 5-mH choke (5L2) and a 220-pF capacitor (5C35). Connect a jumper wire on the wafer terminals to short out the bias trap.
9. On connector J13, inspect pins A, B, C, D, F, and K to see if any of the terminals are being used as a tie point. If there are connections to any of these lettered pins, relocate connection to any other lettered pin, on connector J13, not mentioned in this step.
10. Install a 5-mH choke (051-342) and a 220-pF capacitor (034-358) in parallel between pin 8 of J10 and pin D of J13.

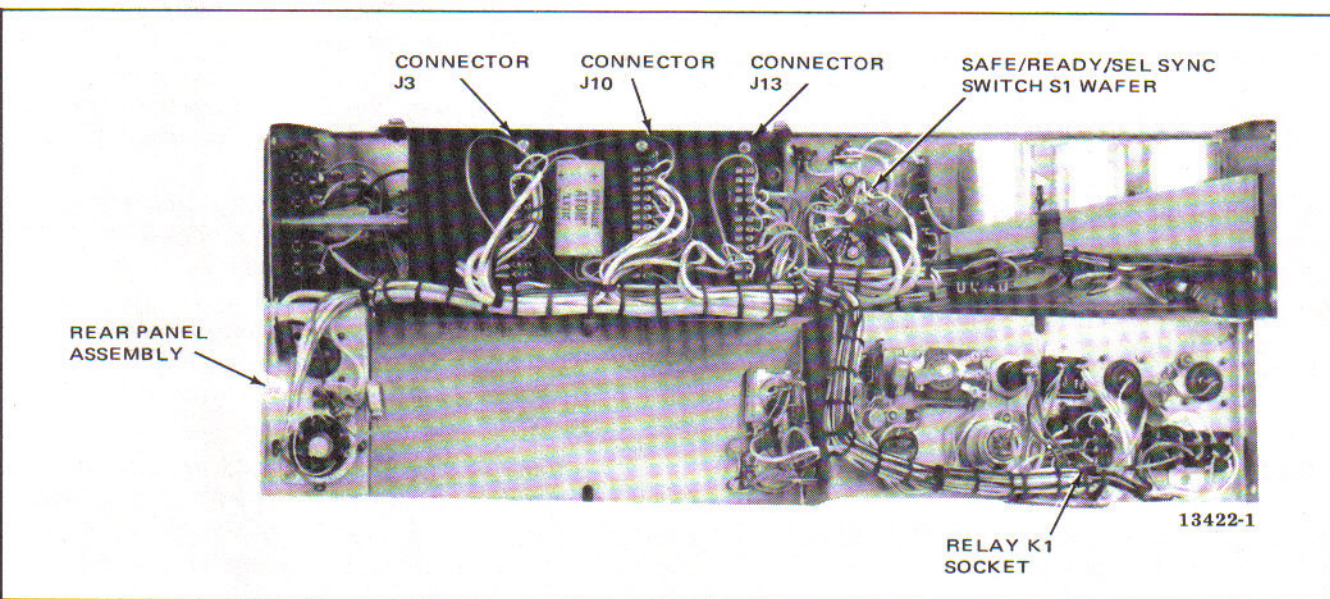


Figure 5. AG-440A, AG-440B and MM-1000 Record/Reproduce Unit

11. Connect a jumper wire from pin 9 of J13 to pin F of J13.
12. Connect a wire from pin 12 of J10 to pin A of J13.
13. Connect a wire from pin 6 of J10 to pin B of J13.
14. Disconnect coax wire (white wire with brown tracer) from pin 7 or pin 8 of J10 and connect to pin D of J13.
15. Modify the socket connections of relay K1 (Figure 5) as follows:
 - a. Remove existing ground wire or coax shield connected to pin 1 and connect to the nearest ground lug on the rear panel. (No connection remains on pin 1.)
 - b. Remove capacitor (if present) connected between pin 5 and pin 9.
16. Reinstall shield removed in step 7.
17. Reinstall shield removed in step 6.
18. Reinstall rear panel removed in step 5.
19. Reinstall top and bottom covers removed in step 4.
20. Install record amplifier module, reproduce amplifier module, and new PURC bias and erase amplifier module into record/reproduce unit.
21. Reinstall record/reproduce unit into system and reconnect connectors removed in step 1.
22. Perform the PURC adjustment procedure, in the Maintenance section of the manual, on each channel converted to PURC operation.

MM-1100 INSTALLATION

Install PURC Accessory Kit 4010236-01 in an MM-1100 system as follows: