COIN COLLECTORS

CONVERSION OF DIAL, PREPAY, COMMON BATTERY TYPES

TO DIAL SHORTING OPERATION

1.00 INTRODUCTION

1.01 This section covers field conversion of dial, prepay coin collectors to include the dial shorting feature incorporated in the P-10C117 (4-spring) coin relay.

1.02 Due to extensive changes marginal arrows have been omitted.

1.03 Field conversion using the P-10E683 mechanism unit and P-10E786 slow-release, single-coil dial shorting coin relay is not anticipated. Such conversions require that the coin relay and hopper mechanism base be changed. Since this base is held in place by screws accessible only through the cash compartment with special tools, it can best be replaced at the WECo Distributing House Shops.

2.00 GENERAL

2.01 The P-10C117 coin relay can be used in any coin collector now using 2-spring coin relays. However, because of lack of necessary terminals on the combined switchhook and transfer spring assembly, field conversion of 166- and 176-type coin collectors to dial shorting is not recommended. Conversion procedures and parts required are shown in Fig. 1, 2, and 3.

- Fig. 1 covers 191, 195, 196, and 197GN or HN coin collectors.
- Fig. 2 covers 191, 195, 196, and 197G or H coin collectors.
- Fig. 3 covers the 174G coin collector.

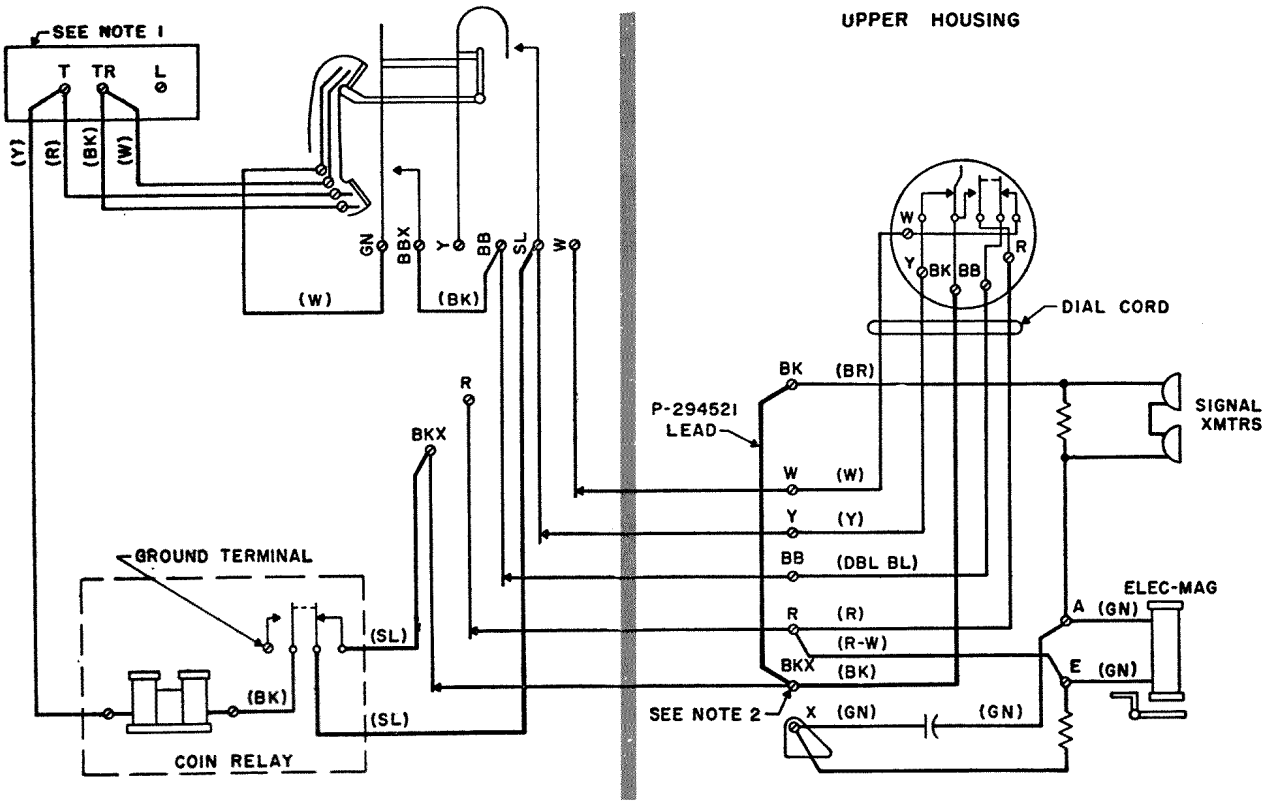
2.02 The P-10C117 coin relay mounts on the mechanism base in the same manner as the P-145749 (2-spring) coin relay. The old mounting screws should be re-used. The new relay shall be centered and securely fastened as covered under mounting of coin relay in the section entitled Coin Collectors, Prepay, Maintenance, 2-coil Coin Relay.

2.03 The transfer spring assembly P-347224 or P-347225 and the handset cord cable holder P-297767 shall be securely fastened over the equalizing spring. The old mounting screw for the equalizing spring must be replaced with a new screw as shown in Fig. 2 or 3.

2.04 Coin collectors converted with P-10C117 coin relays for dial shorting have the suffix letter S added to the code. When coin collectors are converted in the field, the new code should be marked in the coin collector with crayon or other suitable marking material.

3.00 TESTS AND ADJUSTMENTS

After conversion, coin collectors shall be checked in accordance with tests and procedures contained in the section entitled Coin Collectors, Prepay, Maintenance, 2-coil Coin Relay.



Note 1: Terminal plate assembly P-10E869 with third terminal L replaces 2-terminal plate assembly. If 2-terminal plate assembly is used, terminal L is located on equalizing spring.

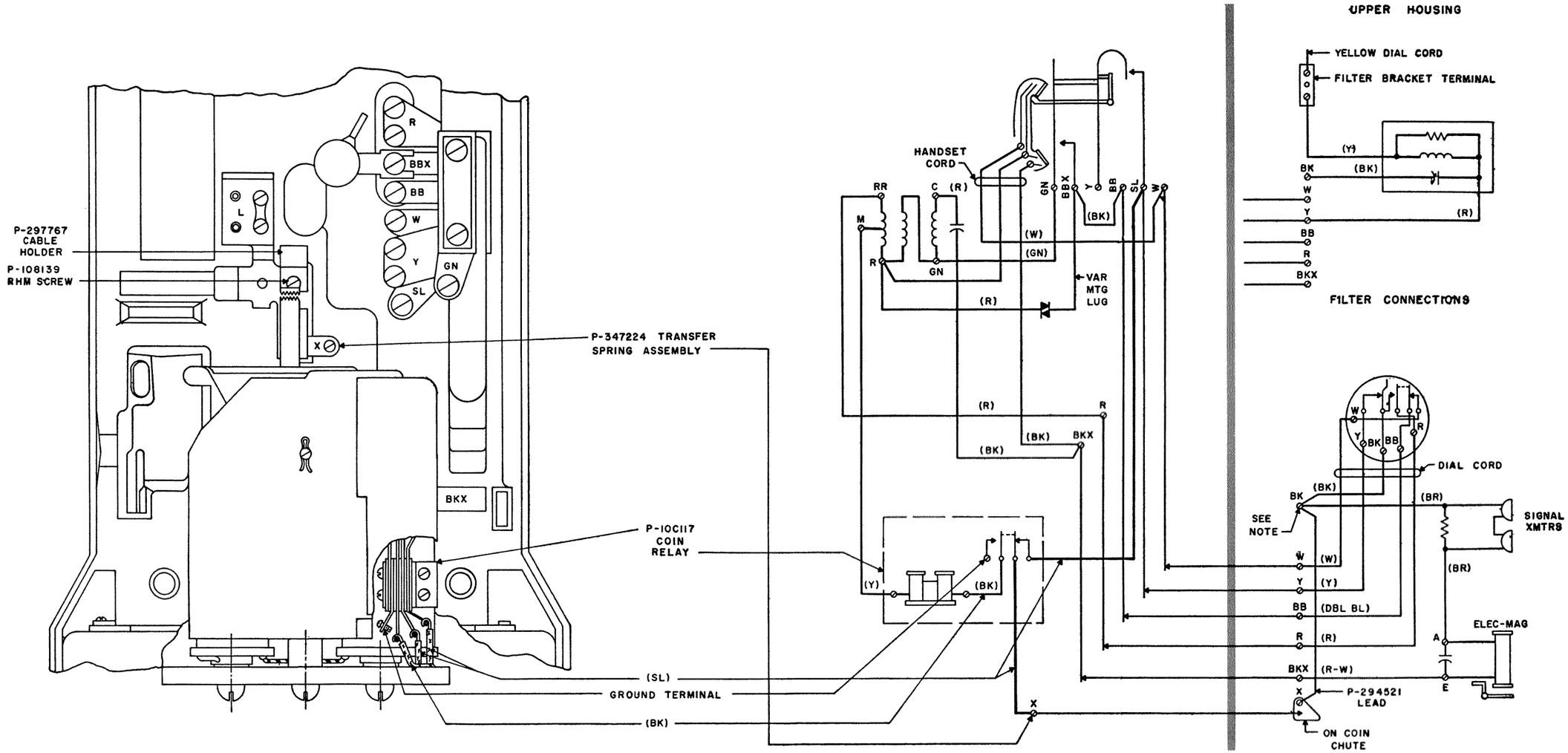
Note 2: Black conductor of dial cord shall be disconnected from BK terminal and connected to BKX terminal. If brown signal transmitter lead is long enough, it also shall be connected to BKX, and the black lead P-294521 between BK and BKX omitted.

Parts Required

1 — Relay, Coin, P-10C117

1 — Lead (Black, 3-1/2 inches long), P-294521, See Note 2

Fig. 1 — 191, 195, 196, and 197 (GNS, HNS) — Conversion to 4-spring Dial Shorting Coin Relay



Note: Brown signal transmitter lead and/or black filter lead may be connected to X terminal on coin chute instead of BK terminal.

Parts Required

1 — Relay, Coin, P-10C117

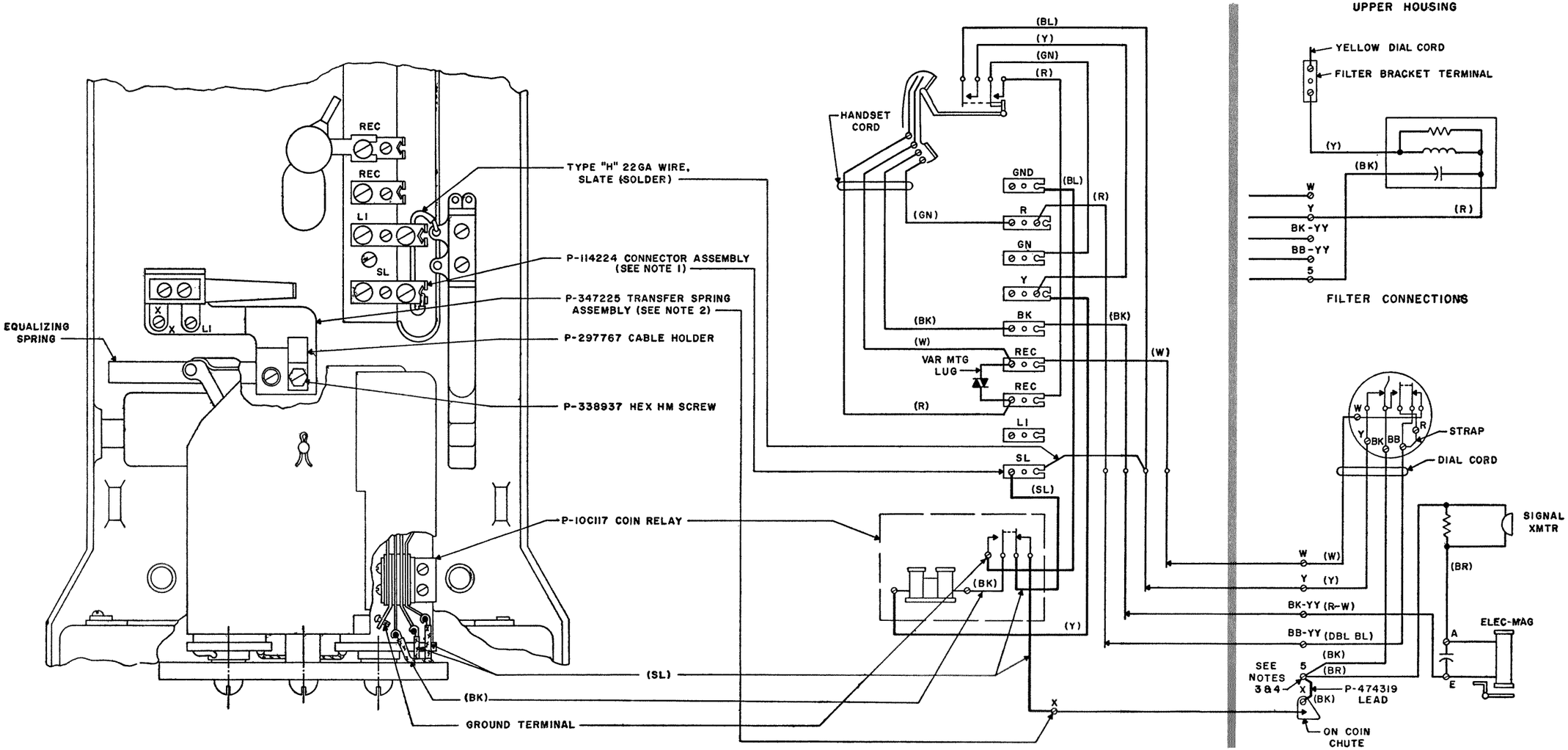
1 — Assembly, Transfer Spring, P-347224

1 — Holder, Cable, P-297767

1 — Screw, RHM, P-108139

1 — Lead (Black, 3-1/2 inches long), P-294521

Fig. 2 — 191, 195, 196, and 197 (GS, HS) — Conversion to 4-spring Dial Shorting Coin Relay



Note 1: If lower terminal is not present, P-114224 connector assembly shall be provided and fastened with a P-149668 screw. Terminal shall be designated SL. Any other marking shall be removed.

Note 2: If equalizing spring is in high position, use P-347224 transfer spring assembly and P-108139 RHM screw, the same as for 190 series coin collectors.

Note 3: In some upper housings, terminals may be designated W (W), Y (Y), YY (BK-YY), BB (BB-YY), and BK-YY (5). If fifth terminal is not present, replace upper housing.

Note 4: Brown signal transmitter lead and/or black filter lead may be connected to X terminal on coin chute instead of the 5 terminal.

Parts Required

1 — Relay, Coin, P-10C117
1 — Assembly, Transfer Spring, P-347225
1 — Holder, Cable, P-297767
1 — Screw HEX-HM (Special), P-338937
1 — Wire Type "H" 22GA (Slate) 9 inches long
1 — Lead (Black, 5-3/4 inches long), P-474319
1 — Assembly, Connector, P-114224
1 — Screw, P-149668

Fig. 3 — 174GS — Conversion to 4-spring Dial Shorting Coin Relay