

SERVICE BULLETIN

SUBJECT: AUTOPILOT CONTROL WHEEL DISENGAGE SWITCH

**MODELS
AFFECTED:** M20J S/N 24-0063, 24-0068, 24-0077, 24-0080,
24-0084, 24-0088, 24-0091 and 24-0093

**TIME OF
COMPLIANCE:** Within next 20 hours of operation.

INTRODUCTION: In some instances, when an electrical elevator trim system has been installed, the control wheel disengage switch becomes inoperative if the "TRIM" circuit breaker is tripped. This can be corrected by a minor wiring change.

INSTRUCTIONS: Determine if this condition exists by checking function of control wheel disengage switch with the "TRIM" breaker pulled. If trim breaker disables the control wheel switch, rewire as follows:

1. Disconnect the power lead from the disengage relay coil (located forward of right side of instrument panel on electrical junction plate). (See Figure 1 schematic).
2. Install diode assembly per Figure 2 schematic using window splices supplied.
3. Check operation of control wheel switch alternately pulling "Autopilot" (or Turn Coordinator if Brittain PC is installed) and "TRIM" circuit breakers. Control wheel switch should interrupt trim function when autopilot breaker is pulled and interrupt autopilot function when trim breaker is pulled.
4. Fill out enclosed compliance card and return.

Service Bulletin Kit No. 20-199 may be ordered through your nearest Mooney Marketing Center or Mooney Service Center.

S. B. Kit No. 20-199

Diode Assembly 1 each
Window Splice (320559) 2 each

FIGURE 1

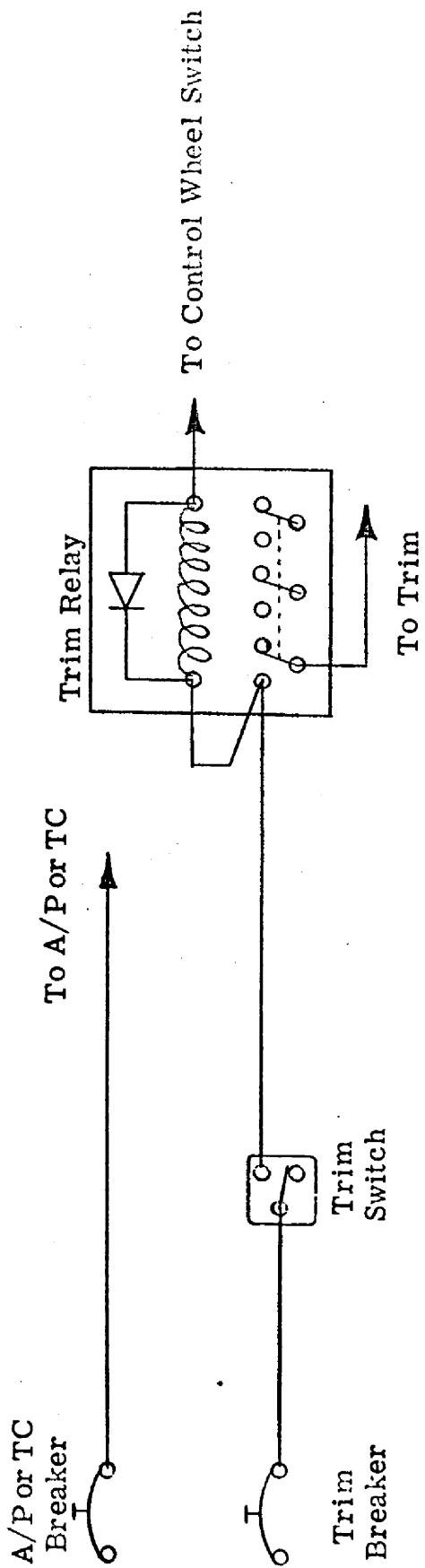


FIGURE 2

