



- CS PNL = INSTRUMENT PANEL GROUND BUS
- CV ENG = ENGINE CRANKCASE GROUND
- CV FWL = FIREWALL
- CV AX = AVONICS GROUND BUS
- = 2AWG EQUAL STRAP
- △ = BRAIDED BOND STRAP
- * = 6 INCHES OR LESS
- ★ = REDUNDANT GROUNDS DO NOT SHARE CONDUCTORS OR TERMINALS

UNRESOLVED ISSUES: TO ACHIEVE A "TWO LAYER" ELECTRICAL SYSTEM ARCHITECTURE (LIKE Z-13) WE HAVE A POTENTIALLY ALWAYS HOT, FAT WIRE RUNNING FROM THE BATTERY SIDE OF THE BATTERY CONTACTOR TO THE AUX-ALTERNATOR B-TERMINAL. CHOICES: (1) B-LEAD CONTACTOR LIKE Z-24. (2) DIODE AS SHOWN. I'M CONSIDERING SOURCES FOR HIGH-CURRENT DIODES AS THE SIMPLEST SOLUTION. IF A B-LEAD CONTACTOR SEEMS MOST ELEGANT, THEN THE CONTACTOR MIGHT BE PRESSED INTO DUAL DUTY AS A GROUND POWER CONTACTOR. WATCH THIS SPACE . . .

REV -A- 07/30/10

Figure Z-8. High Output Aux Alt for Electrically Dependent Engine

9024-100-1
FOUR-FUNCTION MODULE
(LV CONFIGURATION)