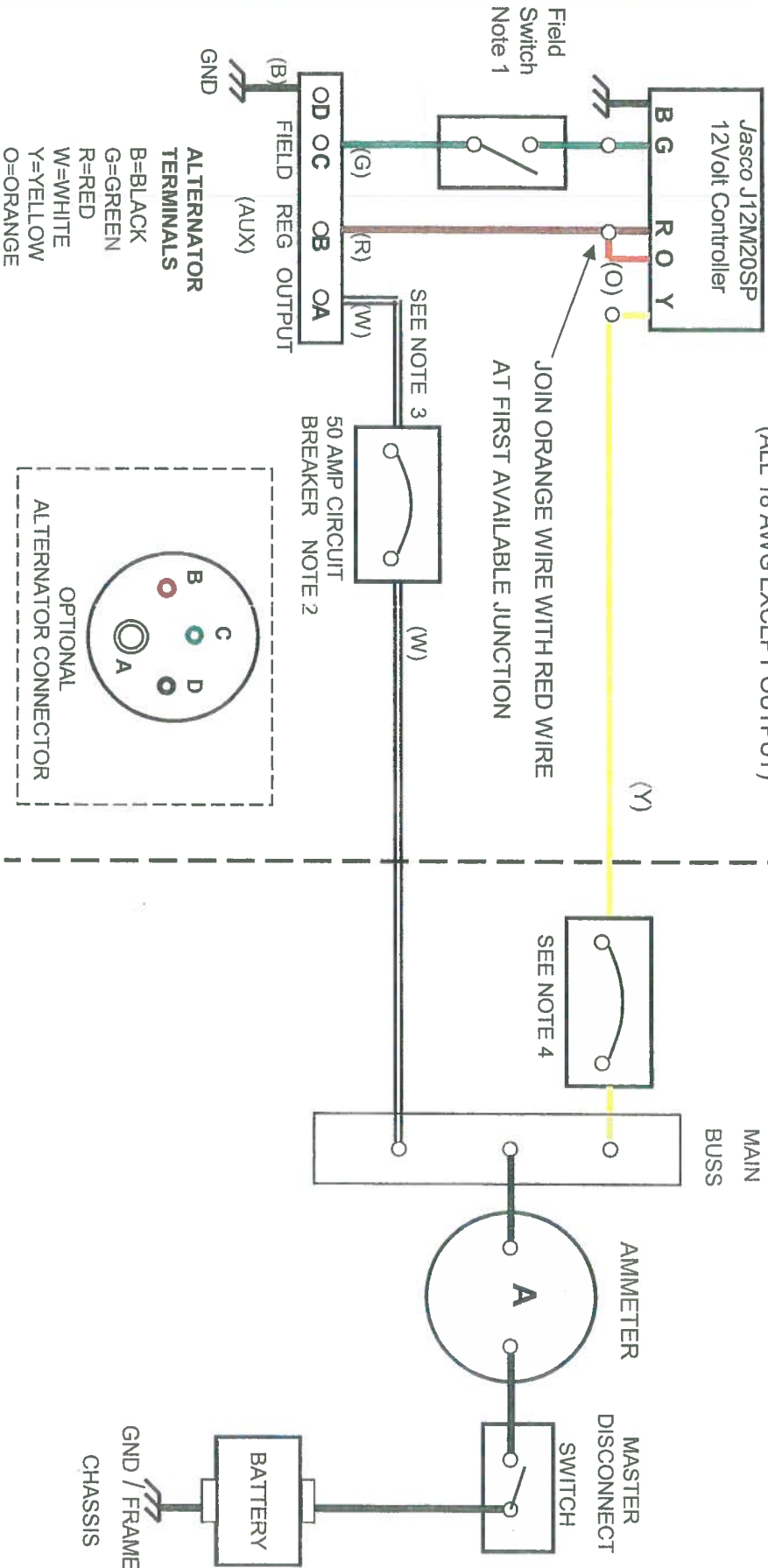


12 VOLT

CIRCUIT REQUIRED FOR INSTALLATION
(ALL 18 AWG EXCEPT OUTPUT)

TYPICAL EXISTING CIRCUIT
(NOTE 3 REQUIRED FOR 50 AMP CAPACITY)



NOTE: 1 COMBINATION FIELD SWITCH & 5 AMP CIRCUIT BREAKER NOT SUPPLIED. POTTER-BRUMFIELD P/N W31X2M1G-5 RECOMMENDED

BASIC 12 VOLT WIRING DIAGRAM
INSTALLATION WIRING FOR 12 VOLT NEG. GND. ALTERNATOR SHEET 1 OF 2

12 VOLT

CLARIFICATION OF WIRING DIAGRAM FOR J12M20SP

Note 2: 50 AMP CIRCUIT BREAKER NOT SUPPLIED.

POTTER-BRUMFIELD P/N W23X1A1G-50 RECOMMENDED.

Note 3: FOR SINGLE WIRE ROUTING USE 8 AWG PER MIL-W-5086. FOR CONDUIT OR BUNDLE ROUTING USE 6 AWG, MIL-W-5086 OR EQUAL AIRCRAFT QUALITY WIRE.

Note 4: IN COMPLIANCE WITH FAA REGULATIONS, REGULATOR CIRCUIT IS TO BE PROTECTED WITH CIRCUIT BREAKER OR FUSE LOCATED IN CLOSE PROXIMITY TO BUSS. FUSE OR BREAKER SIZE IN ACCORDANCE WITH THE FOLLOWING:

WIRE SIZE	CIRCUIT BREAKER	FUSE
22 GA	5 AMP	5 AMP
20 GA	7.5 AMP	5 AMP
18 GA	10 AMP	10 AMP
16 GA	15 AMP	10 AMP

CIRCUIT BREAKER OR FUSE ASSEMBLY NOT SUPPLIED.

Note 5: NEW VOLTAGE REGULATOR P/N J12M20SP INCORPORATES THE VOLTAGE PROTECTOR SVP-3. THUS, THE J12M20SP SUPERCEDES AND OBSOLETES BOTH THE J12M20 AND THE SVP-3 UNITS.

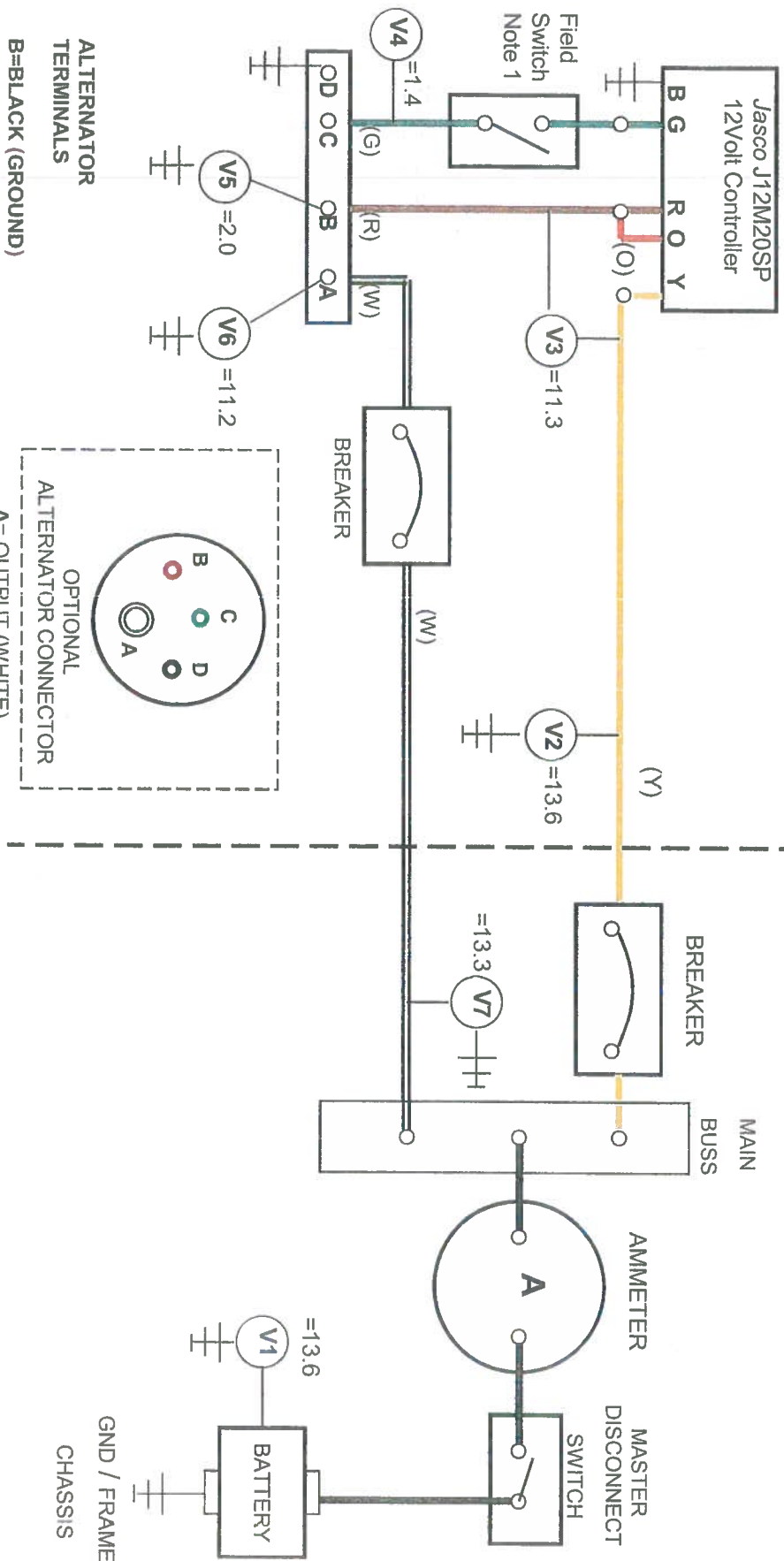
BASIC 12 VOLT WIRING DIAGRAM

INSTALLATION WIRING FOR 12 VOLT NEG. GND. ALTERNATOR SHEET 2 OF 2

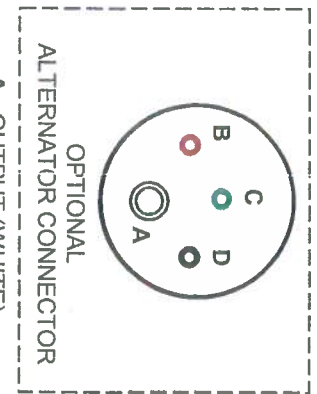
12 VOLT

CIRCUIT REQUIRED FOR INSTALLATION
(ALL 18 AWG EXCEPT OUTPUT)

TYPICAL EXISTING CIRCUIT



ALTERNATOR
TERMINALS



A= OUTPUT (WHITE)
B= AUX (RED)
C= FIELD (GREEN)
D= GROUND (BLACK)

B=BLACK (GROUND)
G=GREEN (FIELD)
R=RED (AUXILIARY)
W=WHITE (OUTPUT)
Y=YELLOW (POWER WIRE)
O=ORANGE (SPIKE PROTECTOR)
=VOLT METER TEST LOCATIONS
AND DESIRED READING AT V1 VOLT.

JASCO 12 VOLT TROUBLE SHOOTER
TROUBLE SHOOTING FOR 12 VOLT NEG. GND. ALTERNATOR

FIGURE 2