charging connector [1] (not installed)
B2
15A inline fuse
10-12awg
1/4 " stud
4awg
B1
EV200 Battery Contactor
5/16"studs
SC1 [3]
4awg
crimped in same ring
7.5A inline fuse
B5
grd fwl
B3
18awg blu
BCR1
BC1
wh 10awg
SC1
FC1
red 12awg
25A inline fuse
3/8" and 1/4" fom also on post
STARTER CONTACTOR
5/16" studs
lwr faston terminal
upr faston terminal
diode ground to fwl under screw
local fwl case grd
SCR1
4awg
fuselink
SC3
blu 20awg
red LED w/ reversing diode
STARTER ENGAGED
PNL
SC2
centrifugal clutch starter
(no solenoid)
common engine block ground (starter case bolt)
4awg
grd fwl
(REAR VIEW OF SWITCH)
3 6
2 5
1 4
TERMINAL NUMBERING FOR FOR S700-2-10 SWITCH MOUNTED KEYWAY UP
blk
crowbar OVM
grd pnl
OR OVM
Master Switch
Off, Bat, Bat + Alt
(2-10)
wh 22awg MSTR GRD
red 22awg
BC SWITCH
wh w/ blk tape strips 10awg
under tray
aux pwr 1
in bracket
aux pwr 2
ALT SWITCH
red 22awg
ADR coil
MAC1
m-f piggyback
22AWG FUSELINK
blu 18awg
ALT 5A
tach [2] signal to RDAC
22awg
3A inline fuse
m-f piggy back
wh 12awg
Alt1
orig alt wires
Jab 3300 13.5A PM single phase alternator
Alt2
Alternator Disconnect Relay
COM
N.C.
N.O.
1/4" faston tabs
ADR1
red 22awg
red 20awg
grn 12awg
red 12awg
FC1
VR1/2
wh 12awg
#10 studs
S8007-1
10000uF@50Vdc
grn 12awg
red LED LV warn w/ reverse diode
wh 20awg
22AWG fuselink
12awg
16awg
wh 12awg
1 ltblu
3 ltblu
4 grn - LV (not used)
5 yel - V sense
6 red
2 blk
voltage regulator
RDAC
red 18awg
RDAC PWR
wh 20awg
engine block
1A CB pnl mnt
5A inline fuse
Enigma (back panel)
secure supply output
leave open
blu 20awg
B/U BAT CB
Enigma Backup Battery
B/U BAT LOAD
S700-2-10
emergency backup
red
blk
main
grd pnl
EFIS main 2.5A 'slow'
blu 20awg
7A starter
red 20awg
2-3
hidden start switch
push to start
5A boost pump
blu 20awg
boost pump switch
boost pump
blk
fwl
strobe, pos/nav lights to be installed later (optional)
10A
18awg
(2-10)
pos/nav lights
strobe
radio to be installed later
nav/com
20awg
7A
transponder (optional)
xpndr
spares
Main Power Bus (under glareshield)
landing lights (optional)
(2-3)
landing lights switch
landing lights
panel and tank lights (optional)
3A
tank light
panel lights
(1-3)
cabin lights switch
cabin lights
(2-3)
LEFT MAG OFF/ON
left mag
wh 20awg shielded
engine block
left mag
"...Attach the shield to engine ground at the magneto end..."
RIGHT MAG OFF/ON
right mag
wh 20awg shielded
engine block
right mag
"...Attach the shield to one and only one switch terminal at the cockpit end..."

Drawing modified from Bob Nuckoll's AeroElectric Connection Z-16M and Z-21A for a Jabiru 3300 powered Sonex with an MGL Enigma EFIS

color scheme

pink: on or near engine
peach: forward side of firewall
green: aft side of firewall
blue: on or near instrument panel
purple: wing tips

Notes

1 charging connector could be a Powerlet socket, SAE connector, Anderson powerpole, or W.S. Deans Ultra. All are rated 15A or greater. Located FWF near battery, accessed through a dedicated or shared cowl opening.

2 **IF** I get my tach signal from the AC lead, when the relay opens I will have no tach reading Seems like I could use that as an alternator offline signal?

3 blue font wire labels used for installation ID and will be replaced with more descriptive heatshrink labels