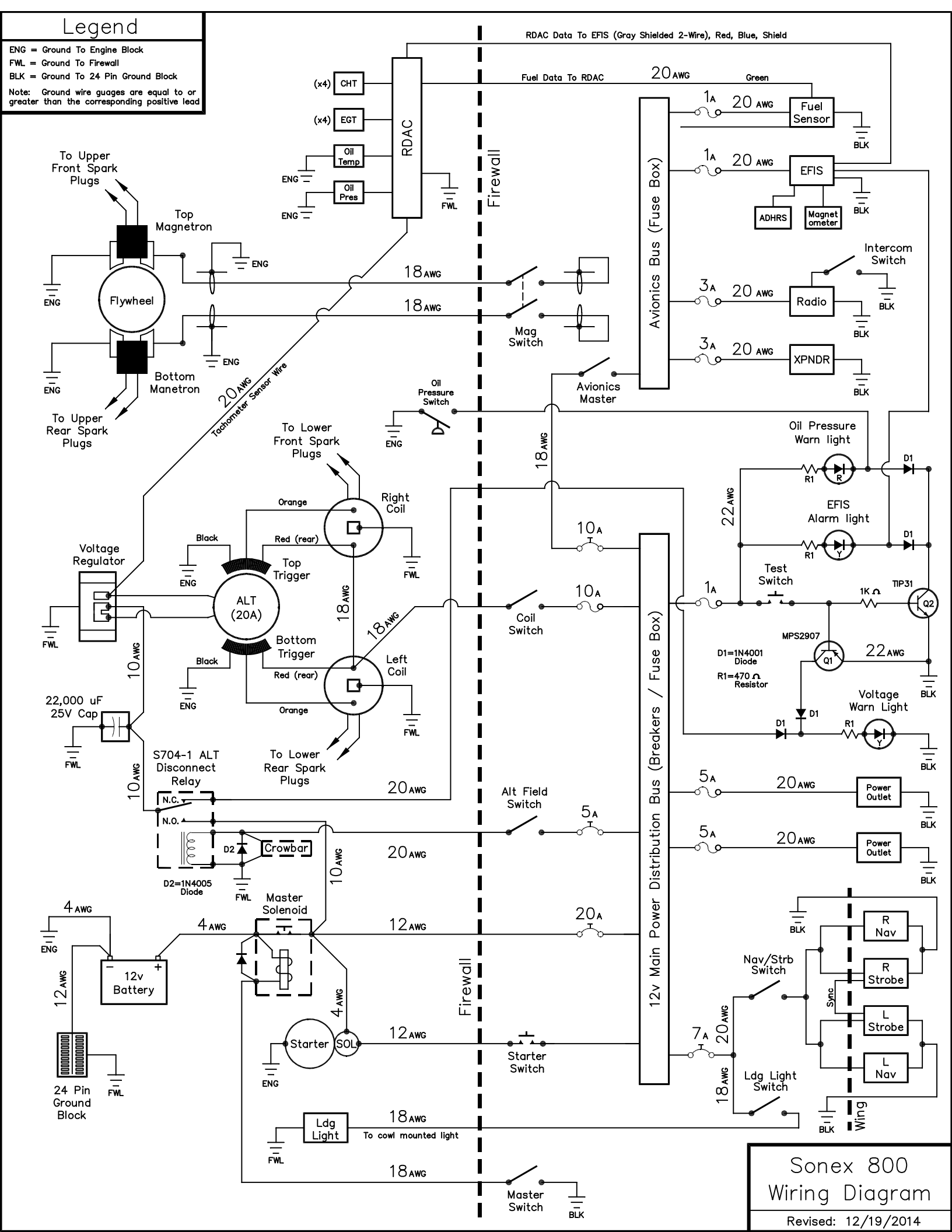
Legend
ENG = Ground To Engine Block
FWL = Ground To Firewall
BLK = Ground To 24 Pin Ground Block
Note: Ground wire guages are equal to or greater than the corresponding positive lead
RDAC Data To EFIS (Gray Shielded 2-Wire), Red, Blue, Shield
Fuel Data To RDAC
20 AWG
Green
(x4) CHT
(x4) EGT
Oil Temp
Oil Pres
RDAC
Firewall
Avionics Bus (Fuse Box)
1A 20 AWG Fuel Sensor
1A 20 AWG EFIS
ADHRS
Magnet ometer
3A 20 AWG Radio
Intercom Switch
3A 20 AWG XPNDR
To Upper Front Spark Plugs
Top Magnetron
Flywheel
Bottom Manetron
To Upper Rear Spark Plugs
18 AWG
Mag Switch
20 AWG Tachometer Sensor Wire
Avionics Master
Oil Pressure Switch
To Lower Front Spark Plugs
Right Coil
Orange
Black
Red (rear)
Top Trigger
Voltage Regulator
ALT (20A)
Bottom Trigger
Left Coil
To Lower Rear Spark Plugs
Oil Pressure Warn light
EFIS Alarm light
22 AWG
D1
R1
10A
Coil Switch
Test Switch
1K
TIP31
Q2
MPS2907
Q1
D1=1N4001 Diode
R1=470 Ω Resistor
Voltage Warn Light
22,000 uF 25V Cap
10 AWG
S704-1 ALT Disconnect Relay
N.C.
N.O.
D2
Crowbar
D2=1N4005 Diode
20 AWG
Alt Field Switch
5A
Power Outlet
12v Main Power Distribution Bus (Breakers / Fuse Box)
4 AWG
Master Solenoid
12 AWG
20A
12v Battery
Starter
SOL
Starter Switch
7A
Nav/Strb Switch
R Nav
R Strobe
L Strobe
L Nav
Sync
Ldg Light Switch
Ldg Light
To cowl mounted light
24 Pin Ground Block
Master Switch
Wing
Sonex 800
Wiring Diagram
Revised: 12/19/2014