Field Supply – to LR3C
To smoke oil pump & solenoid valve
To starter contactor
To fuel pump
To Nav / Strobe Tail
To Nav Wings / Sky Beacon
Field Supply – to Master Switch

22 AWG fuselink

To Radio Stack
10 AWG 4'
**RBUS-1**
30 A

Panel Lighting
22 AWG 4'
**PANL-1**
3 A

LM317 dim
lighting dimmer sw

22 AWG 1'
**PAND-G**
PNL

22 AWG 1'
**PLED-1**
22 AWG 1'
**PLED-G**
PNL
Panel LED Light

22 AWG 1'
**CMPL-1**
22 AWG 1'
**CMPL-G**
PNL
Compass Light

Fuel Gauge – Power
22 AWG 4'
**FGAP-1**
1 A

To UMA Volt/Amm
22 AWG 4'
**VAMM-1**
1 A

Turn&Bank
22 AWG 4'
**TBNK-1**
5 A
1-3
2-3
To Turn&Bank
22 AWG 6"
**TBNK-2**
Turn-n-Bank

To UMA Tach
22 AWG 4'
**TACH-1**
1 A

To UMA Engine 3-in-1
22 AWG 4'
**ENIN-1**
1 A

3 A
22 AWG 4'
**NAVW-1**
1-3
2-3
Wings Nav/Strobe + SkyBeacon

To GEM G2
22 AWG 4'
**ENMN-1**
1 A

5 A
22 AWG 4'
**NAVT-1**
1-3
2-3
Tail Nav/Strobe

HOBBS
22 AWG 4'
**HBBS-1**
1 A

5 A
20 AWG 4'
**FPMP-1**
1-3
2-3
Fuel Pump

To UMA Tach Pin #4
GND when ENG ON
22 AWG 2'
**HBBS-2**

7.5 A
20 AWG 4'
**STA-1**
2-5
5
20 AWG 6"
**STA-2**
L: Off/On/Start

22 AWG 4'
**LOWV-1**
1 A
R: Off/On/Start
2-5

Low Volt
Strt Engaged
22 AWG
**STAW-G**
PNL
PNL

5 A
20 AWG 4'
**SMK-1**
1-3
2-3
20 AWG 6"
**SMK-2**
SHOCK
Smoke

2-10
22 AWG 6"
**MAST-G**
PNL
18 AWG 4"
**FLDS-2**
5 A
"Field"
Master, Alt
Field Supply
18 AWG 4'
**FLDS-1**

B
U
S
S

From "Low V" Bulb
22 AWG 4'
**LOWV-2**
To "Starter Eng" Bulb
22 AWG 4'
**STAW-1**
To Master Sw
22 AWG 4'
**MAST-1**

Right P-Lead
20 AWG SHIELDED 7'
**PLD-R**
MAG
right

Left P-Lead
20 AWG SHIELDED 7'
**PLD-L**
MAG
left

Front Tach Lead
20 AWG SHIELDED 2'
**PLD-T**
FRONT TACH

+ –
Odissey 16AH
4 AWG
BRAID
4 AWG
ENG
EMNT

MASTER
D

To Ammeter +
20 AWG 6'
**AMMA-1**
To Ammeter -
20 AWG 4'
**AMMB-1**
From Fuel Gauge
20 AWG 4'
**FGAS-1**
From Master Sw
20 AWG 4'
**FLDS-3**
To Smoke Pump
20 AWG 4'
**SMK-3**
To Starter Contactor
20 AWG 4'
**STA-3**
To Fuel Pump
20 AWG 4'
**FPMP-2**
To Tail /Strobe
22 AWG 4'
**NAVT-2**
To Wingtip Lights
22 AWG 4'
**NAVW-2**

From Amm Shunt – A
20 AWG 6'
**AMMA-1**
From Amm Shunt – B
20 AWG 6'
**AMMB-1**
To Tank Sender
20 AWG 4'
**FGAS-1**
To LR3C #6 Field Supply
20 AWG 4'
**FLDS-3**
To Smoke Pump
20 AWG 4'
**SMK-3**
To Starter Contactor
20 AWG 6'
**STA-3**
To Fuel Pump
20 AWG 6'
**FPMP-2**
To Tail /Strobe
20 AWG 15'
**NAVT-3**
To Wing Nav (Skybeacon)
20 AWG 15'
**NAVW-3**
From "Low V" Bulb
22 AWG 3'
**LOWV-2**
To LR3C #5 Low V Warn
22 AWG 3'
**LOWV-2**
From Strt "I" Term
22 AWG 6'
**STAW-1**
From Master Cont
22 AWG 6'
**MAST-1**

TANK SENDER
20 AWG 2'
**FGAS-G**
CHA

18 AWG
CHA
18 AWG

LR3C VOLT REG
7  GND
6  FIELD SUPPLY
5  LOW VOLT WARN
4  FIELD (TO ALT)
3  BUSS SENSE
2  O/V TEST
1  TEMP PRB

LR3C Sense
20 AWG 3'
**LR3C-S**

STARTER
STRT
ENG
4 AWG
To Starter On Warn Light
22 AWG 6'
**STAW-1**

24 AWG
all fuselinks

50 MV / 30 A
shunt
8 AWG

Buss Feed
10 AWG 4'
**BUSS**
ANL 35A
ANL 40A
8 AWG
8 AWG
Field to Alt
18 AWG 6'
**FLDA-1**
BAT
ALT
GND
ENG

_V2 notes_
- Eliminated Main Connector
- Upped Starter and Nav/Strobe/SkyBeakon circuits' fuses to 7A
- Cleaned up Hobbs diagram now when wiring is known
- Changed LR3C Sense hookup to Shunt – same circuitry; but the hookup point works better that way
- Added colors to wire
- Typos

_V3 notes_
- Upped panel lighting fuse to 3A
- Nav/Strobe/Skybeacon Circuits split into separate circuits for Tail and Wing lights
- More colors everywhere