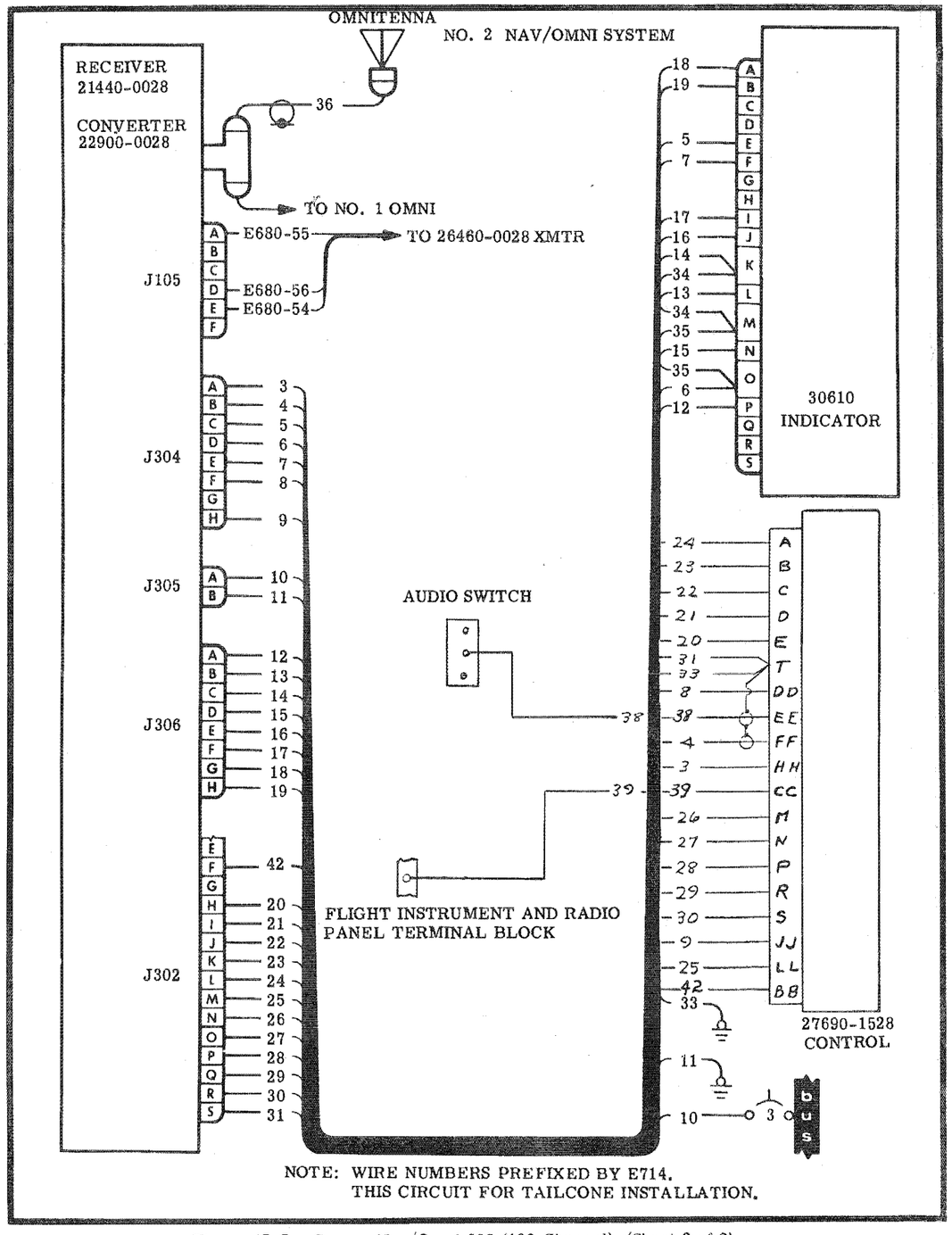


Figure 15-5. Cessna Nav/Omni 800 (190 Channel) (Sheet 2 of 2)

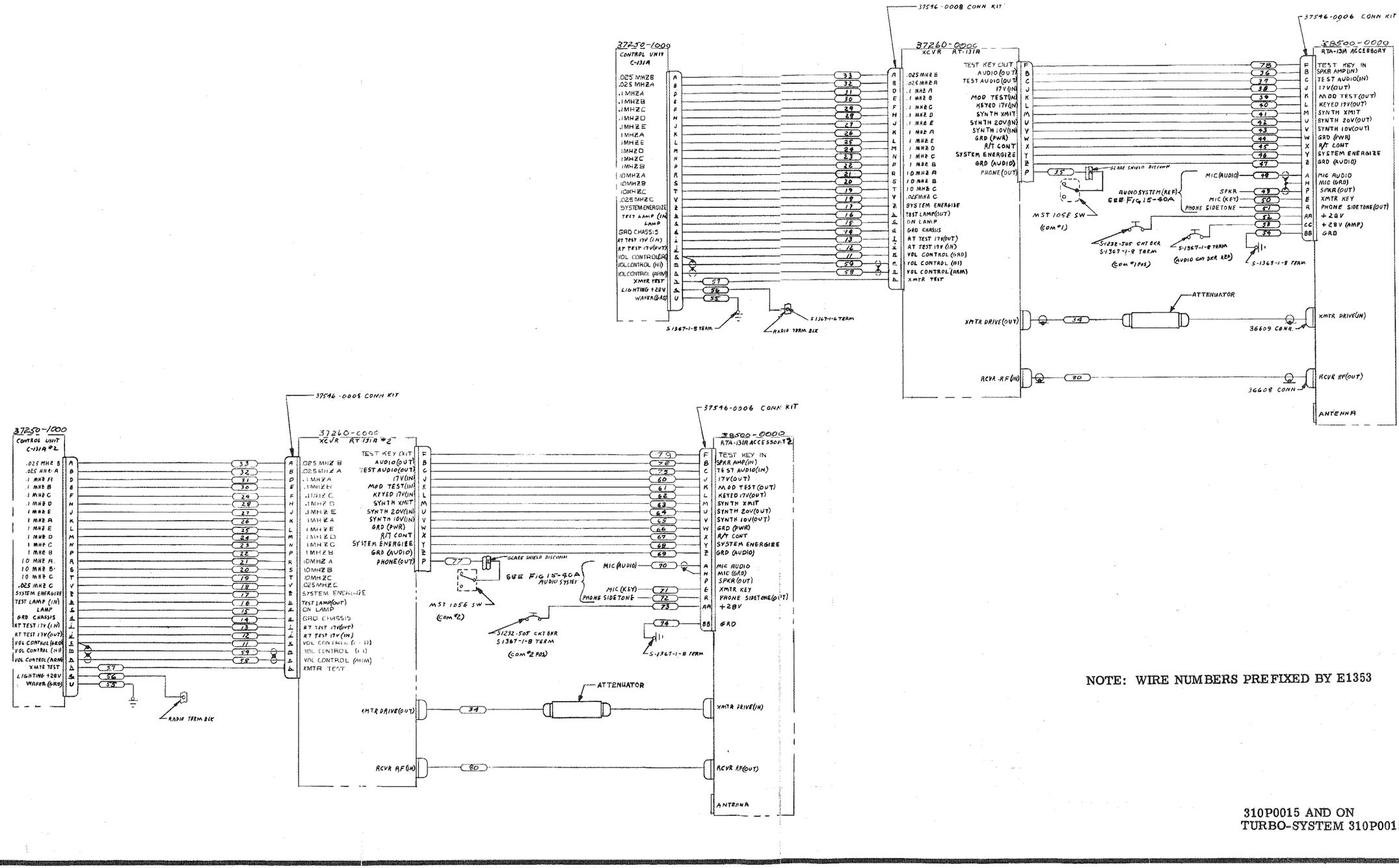


Figure 15-6. Cessna Com 800

310Q 0601 AND ON

REFERENCE DESIGNATOR CODE:

Reference designators are used in these diagrams to more quickly identify and locate a part or assembly used in any electrical system. A part is identified by reference number on a diagram. The reference number called out on the following page identifies by part number, the description and diagram sheet location.

EXAMPLE -

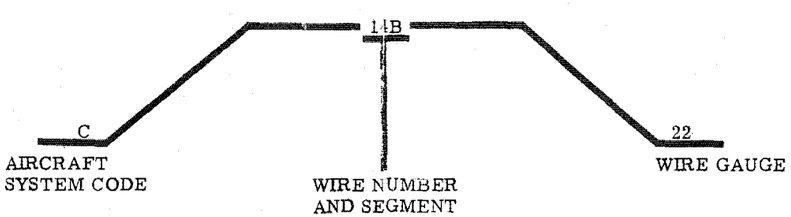
REF. DESIGNATOR	DIA. SHT. NO.	PART NO.	DESCRIPTION
BB20	6	0820001-1	Battery Bus

NOTE

Part numbers referred to on Wiring Diagrams are for reference only. When ordering spare or replacement parts, refer to applicable Parts Catalog.

The wiring diagrams contained in this section clearly show the complete wiring on each item of electrical components listed in the Wiring Diagram Index. The first portion of wire number indicates the Aircraft System, the center portion indicates Wire Number, and the last portion indicates Wire Gauge Size. Each wiring diagram contains part number and nomenclature for each component.

EXAMPLE : C14B22



NOTE

Optional wires (300 and 500 Series) may be determined by dropping the hundreds digit.

EXAMPLE: E327B18 becomes E27B18
E527C18 becomes E27C18

MODEL 310 WIRING REFERENCE DESIGNATORS
DESIGNATOR REV F -

REFERENCE	SHEET	PART NUMBER	DESCRIPTION
AMP3	10	9910082-2	SIGNAL COND
AMP3	10	9910082-2	SIGNAL COND
AMP4	10	9910082-2	SIGNAL COND
AMP4	10	9910082-2	SIGNAL COND
AMP5	16	R-R-45-FT	STEREO PLAYER
AR1	6	0850815-1	ALT INST 50AMP
AR2	6	0850815-1	ALT INST 50AMP
AR3	6	0850816-1	ALT INS 100AMP
AR4	6	0850816-1	ALT INS 100AMP
AR5	6	0850915-1	ALT INST 50AMP
AR6	6	0850915-1	ALT INST 50AMP
AR7	6	0850916-1	ALT INS 100AMP
AR8	6	0850916-1	ALT INS 100AMP
B1	9	0850420-1	AUX PUMP
B2	9	0850420-1	PUMP
B5	9	4140-00-153	FUEL PUMP
B6	9	4140-00-153	FUEL PUMP
B8	5	635837	A STARTER
B8	5	635837	R STARTER
B9	5	635837	STARTER
B9	5	635837	STARTER
B10	7	9910002-3	MOTOR
B11	14	9910070-1	MOTOR
B14	13	0721973	BLOWER&PUMP
B16	14	0850458-7	ACT ASSY
B17	8	9910091-1	MOTOR
B18	8	9910091-1	MOTOR
B19	8	5115231-8	ELEC TRIM ACT
B21	8	9910090-1	MOTOR
B22	9	9910090-1	MOTOR
B23	9	476284	X FER PUMP
B24	9	476284	XFER PUMP
B25	14	476411	PUMP W/S ANTICE
BB1	6	0813647-12	BUS
BB2	5	5008011-8	BUS BAR
BB2	5	5008011-8	BUS BAR
BB2	5	5008011-16	BUS BAR
BB2	5	5008011-16	BUS BAR
BB7	5	0813647-4	BUS BAR
BB8	11	MS25226-2-2	BUS
BB9	11	MS25226-2-3	BUS
BB10	11	MS25226-2-4	BUS
BB11	11	MS25226-2-2	BUS
BB12	11	MS25226-2-6	BUS
BB16	5	0312155-10	STRAP
BB20	6	0820001-1	BUS
BB20	6	0820001-1	BATTERY BUS
BB21	6.01	5318115-23	BUS BAR
BB22	6.01	0813672-1	BUS BAR
BB23	6.01	0813672-2	BUS BAR
BB24	6.02	0813647-1	BUS BAR
BB25	6.02	0813647-1	BUS BAR
BB26	6.02	0813647	BUS BAR
BB27	6.02	0813672-4	BUS BAR
BT1	6	0511319-1	BATTERY
BT2	6	0511319-1	BATTERY
CB1	9	S1232-507	CB R AUX PUMP
CB2	9	S-1232-507	CB LAUX PUMP
CB3	5	S-1232-505	CB START RELAY
CB4	12	S-1232-510	CB R LND LT
CB5	12	S-1232-510	C B L LAND LT
CB6	7	S-1232-515	CB GEAR MOTOR
CB7	7	S-1232-505	CB GEAR WARN
CB8	8 13	S-1232-505	CB STALL HORN
CB9	14	S-1232-510	CB FLAP
CB10	8	S1232-505	CB RENG GAGE
CB11	8	S1232-505	CB LENG GAGE
CB12	10	S-1232-505	CB FUEL GAGE
CB13	10	S-1232-505	CB FUEL GAGE
CB14	13	S-1232-507	CB CAB HT&DAT
CB15	11	S1232-505	CB ENG SW LTS
CB16	11	S-1232-505	CB FLT INST LTS
CB17	11	S1232-505	CB RADIO LTS
CB18	11	S1232-507	CB CABIN LTS
CB35	14	S1232-505	CB PROP SYNCH
CB37	14	S-1232-505	CB WING DE-ICE
CB38	13	S1232-505	CB STALL FUEL
CB39	13	S-1232-215	CB QUAL PITOT
CB39	13	S1232-505	CB PITOT HT
CB40	8	S1232-505	CB R.H.TAB
CB41	9	S1232-507	CB WING L FUEL
CB42	8	S1232-515	CB ELEC SEAT
CB43	8	S1232-515	CB ELEC SEAT
CB44	8	S1232-505	CB ELEC ELEV T
CB48	13	S1232-510	CB CIGAR LTR
CB49	6	45-2-5-N2 100A	CB L ALT
CB50	6	45-2-5-N2 100A	CB R ALT
CB1	9	7277-2-7.5	CB R AUX PUMP
CB2	9	7277-2-7.5	CB LAUX PUMP
CB3	5	7277-2-5	CB START RELAY

REFERENCE	SHEET	PART NUMBER	DESCRIPTION
CB4	12	7277-2-10	CB R LND LT
CB5	12	7277-2-10	C B L LAND LT
CB6	7	7277-2-15	CB GEAR MOTOR
CB7	7	7277-2-5	CB GEAR WARN
CB8	8 13	7277-2-5	CB STALL HORN
CB9	14	7277-2-10	CB FLAP
CB10	8	7277-2-5	CB RENG GAGE
CB11	8	7277-2-5	CB LENG GAGE
CB12	10	7277-2-5	FUEL GAGE
CB13	10	7277-2-5	FUEL GAGE
CB14	13	7277-2-7.5	CB CAB HT&DAT
CB15	11	7277-2-5	CB ENG SW LTS
CB16	11	7277-2-5	CB FLT INST LTS
CB17	11	7277-2-5	CB RADIO LTS
CB18	11	7277-2-5	CB CABIN LTS
CB35	14	7277-2-5	CB PROP SYNCH
CB37	14	7277-2-5	CB WING DE-ICE
CB38	13	7277-2-5	CB STL&FLVTHT
CB39	13	7277-2-5	CB PITOT HT
CB40	8	7277-2-5	CB R.H.TAB
CB41	9	7277-2-7	CB WING L FUEL
CB42	8	7277-2-15	CB ELEC SEAT
CB43	8	7277-2-15	CB ELEC SEAT
CB44	8	7277-2-5	CB ELEC ELEV T
CB48	13	7277-2-10	CB CIGAR LTR
CB49	6	45-2-5-N2 100A	CB L ALT
CB50	6	45-2-5-N2 100A	CB R ALT
CR4	6	1N4721	DIODE
CR4	6	1N4721	DIODE
CR5	6	1N4721	DIODE
CR5	6	1N4721	DIODE
CR6	6	5118335-10	DIODE ASSY
CR7	6	5118335-10	DIODE ASSY
CR8	6.01	1N2482	DIODE
CR8	6.01	1N2482	DIODE
CR9	6.01	1N2482	DIODE
CR9	6.01	1N2482	DIODE
CR10	6.01	1N2482	DIODE
CR10	6.01	1N2482	DIODE
CR11	6.02	1N1201R	DIODE
DA1	6.0	0870153-3	DIODE ASSY
DA1	6.0	0870153-3	DIODE ASSY
DS1	7	VM911M-3	LIGHT
DS2	7	VM911M-3	LIGHT
DS3	7	VM911M-3	LIGHT
DS4	7	01-91180-6	LIGHT
DS5	12	0823200-1	L NAV LT ASSY
DS6	12	0823200-2	R NAV LT ASSY
DS7	12	C622001-0103	T NAV LT
DS8	12	C621002-0105	LIGHT ROT B
DS9	12	C621002-0106	LIGHT ROT B
DS10	12	0842215-8	TAXI LT
DS11	11	1309	BULB
DS12	11	1309	BULB
DS13	11	1845	LIGHT
DS14	11	1845	LIGHT
DS15	11	1845	LIGHT
DS16	11	1845	LIGHT
DS17	12	GE1309	LAMP
DS18	12	GE1309	LAMP
DS20	12	0870132-1	LND LT ASSY
DS20	12	0870132-1	LND LT ASSY
DS21	12	0870132-1	LND LT ASSY
DS21	12	0870132-1	LND LT ASSY
DS25	12	0820501-9	LH DEICE LT
DS26	12	0820501-10	RH DEICE LT
DS27	12	9910066-1	LIGHT ASSY
DS28	12	9910066-1	LIGHT ASSY
DS29	13	VM911	LIGHT
DS30	11	MS25238-301	FUEL SEL LT
DS31	11	0813537-7	SW LT
DS32	11	0813537-7	SW LT
DS33	11	CM2990-2	SW LT
DS34	11	CM2990-2	SW LT
DS35	11	CM2990-2	SW LT
DS36	11	CM2990-2	SW LT
DS37	11	CM2990-2	SW LT
DS38	11	C660501-0102	COMP LT
DS39	11	0813676-1	FLAP PRES LT
DS40	11	0813537-8	COMP CONT LT
DS41	6	VM911M-4	LH ALT LT
DS42	6	VM911M-4	RH ALT LT
DS43	8	L 3100AM	LIGHT
DS44	9	VM911M-4	LIGHT
DS45	9	VM911M-4	LIGHT
DS54	14	VM911M4	LIGHT
DS55	14	VM911M4	LIGHT
DS71	10	VM911M-4	LIGHT
DS71	10	VM911M-4	LIGHT
DS72	10	VM911M-4	LIGHT

REFERENCE	SHEET	PART NUMBER	DESCRIPTION
DS72	10	VM911M-4	LIGHT
DS84	11	1309	FLD LT
DS85	11	1309	FLD LT
DS86	11.0	CM2990-2	OXY LT
DS87	11.0	CM2990-2	SW LT
DS51	12	30-0516-5	LT TAIL STROBE
DS52	12	30-0515-1	LT WING STROBE
DS53	12	30-0515-1	LT WING STROBE
E1	13	0813177-2	H PT HTR
E3	13	0813860-3	CABIN HTR
E4	6	9910068-2	O.V. RELAY
E5	6	9910068-2	O.V. RELAY
E6	14	C-40055	BRUSH ASSY
E7	14	C-40055	BRUSH ASSY
E8	14	0850458-12	CONTROL BOX A
E9	14	A2104990	GOVERNOR
E10	14	A2104990	GOVERNOR
E11	13	0813059-3	LH P T HTR
E12	13	0813059-2	RH P T HTR
E13	14	210446F	GOVERNOR
E14	14	210446F	GOVERNOR
E15	14	C-40010	BRUSH ASSY
E16	14	C-40010	BRUSH ASSY
EL1	11	9910116-1	PANEL
EL2	11	9910031-4	PANEL
EL3	11	9910051-6	PANEL
EL4	11	9910033-4	PANEL
EL5	11	9910030-2	PANEL
EL6	11	9910052-9	PANEL
EL7	11	9910052-11	PANEL
EL8	11	9910052-10	PANEL
EL9	11	9910052-12	PANEL
EL10	11	9910114-7	PANEL
EL11	11	9910114-8	PANEL
EL12	11	9910114-9	PANEL
EL13	11	9910114-10	PANEL
EL14	11	9910114-5	PANEL
EL15	11	9910114-6	PANEL
EL10	11	9910129-1	PANEL
EL11	11	9910129-2	PANEL
EL12	11	9910129-3	PANEL
EL13	11	9910129-4	PANEL
EL14	11	9910129-5	PANEL
EL15	11	9910114-16	PANEL
F1	6	311005	AMP FUSE
F2	6	311005	AMP FUSE
F3	6	311005	AMP FUSE
F4	6	311005	AMP FUSE
F5	6.0	AGC5.0	AMP FUSE
F5	6.0	MDX 3.0	AMP FUSE
F6	6.0	AGC5.0	AMP FUSE
F6	6.0	MDX3.0	AMP FUSE
F7	6	311005	AMP FUSE
F8	6	311005	AMP FUSE
F9	6	MTH-5	EMER FLD FUSE
F9	6	MTH-5	EMER FLD FUSE
F10	12	MTH-5	FUSE
F10	12	MTH-5	FUSE
F11	12	70-0075	FLASHER
F12	7	R102-12V	FLASHER
F13	14	AGC 5.0	FUSE
FBL	5.01	356004	FUSE BLOCK
G1	5	628472	L MAGNETO
G1	5	628472	L MAGNETO
G2	5	628472	MAGNETO
G2	5	628472	MAGNETO
G3	5	628473	R MAGNETO
G3	5	628473	R MAGNETO
G4	5	628473	MAGNETO
G4	5	628473	MAGNETO
G5	5	10-176487-241	START VIBRATOR
HR1	13	0513052-5	CIGAR LTR
HR2	13	0513052-6	CIGAR LTR
HR5	14	C165013-0201	DE-ICE BOOT
HR6	14	C165013-0201	DE-ICE BOOT
HR7	14	C165013-0201	DE-ICE BOOT
HR8	14	C165013-0201	DE-ICE BOOT
HR9	14	C165013-0201	DE-ICE BOOT
HR10	14	C165013-0201	DE-ICE BOOT
HR11	13	105881	VENT HTR
HR12	13	105881	VENT HTR
HR13	13	CM2933-5	HTR
HR14	13	CM2933-5	HTR
HR15	13	105880	HTR
HR16	13	105880	HTR
INV1	11	9910047-1	INVERTER
J1	3	1-203739-6	RECPT
J3	5	AN2552-3A	RECEP
J5	15	S1102-2	JACK MIC
J6	15	S1102-1	JACK MIC

REFERENCE	SHEET	PART NUMBER	DESCRIPTION
J6	15	S1102-1	JACK MIC
J7	15	S1102-1	JACK MIC
J7	15	S1102-1	JACK MIC
J11	15	S-1103-1	JACK HD PH
J11	15	S1103-1	JACK HD PH
J12	15	S-1103-1	JACK HD PH
J12	15	S1103-1	JACK HD PH
J29	14	MS3100R16S-1P	RECPT
J32	5	MS3100A10SL3P	RECPT
J33	5	MS3100A10SL3P	RECPT
J35	10	MS3100R-18-1S	RECP
J36	10	MS3100R-18-1S	RECP
J37	3	203735-7	RECP
J47	15	S-138	MIC JACK
J47	15	S138	MIC JACK
J49	11	08-25S	RECPT
J50	15	1625-12R-1	CONN A.O.A.
J54	15	1625-12P-1	CONN A.O.A.
J55	10	9910082-18	RCPT&CABLE ASSY
J55	10	9910082-18	RCPT&CABLE ASSY
J55A	10	9910082-19	RCPT&CABLE ASSY
J56	10	9910082-18	RCPT&CABLE ASSY
J56	10	9910082-18	RCPT&CABLE ASSY
J56A	10	9910082-19	RCPT&CABLE ASSY
JB1	4	0812350-83	L.H. J BOX
JB2	4	0812350-84	R.H. J BOX
K1	7	6041H210	RELAY
K2	6	0850469-1	BATTERY RELAY
K2	6	0850469-1	BATTERY RELAY
K5	5	0850469-1	START RELAY
K5	5	0850469-1	START RELAY
K6	5	0850469-1	START RELAY
K5	5	0850469-1	START RELAY
K7	5	0850469-1	APU RELAY
K7	5	0850469-1	APU RELAY
K12	13	KHP17D11	RELAY
L1	13	0850451-2	VALVE
L2	14	301542-03	VALVE
L3	14	301542-03	VALVE
L7	9	0850404-1	RELAY
L7	9	0850404-1	RELAY
L8	9	0850404-1	RELAY
L8	9	0850404-1	RELAY
L9	13	0850458	OIL OIL VALVE
L10	13	0850456	OIL OIL VALVE
LS2	15	T-791	SPEAKER
LS3	16	C596506-0101	SPKR
LS4	16	C596506-0101	SPKR
LS5	16	5118152-2	TRANS ASSY
LS6	16	5118152-2	TRANS ASSY
LS7	16	5118152-2	TRANS ASSY
LS8	16	5118152-2	TRANS ASSY
LS9	16	C596506-0101	SPKR
LS10	16	C596506-0101	SPKR
LS13	7	9910080-2	GEAR HORN
LS14	13	9910080-1	STALL WARN HDR
M1	8	C662019-0101	L ENGINE GAGE
M2	8	C662019-0101	R ENGINE GAGE
M3	10	9910082-1	FUEL GAGE
M5	8	C668001-0102	TACH GEN
M7	8	C668520-0101	IND OAT
M8	8	C661031-0101	INDICATOR
M9	3	C661031-0101	INDICATOR
M11	6	CM2664	VOLT METER
M13	14	CM2631-1	AMMETER-2BLADE
M14	14	0870177-1	TIMER ASSY
M15	14	CM2631-2	AMMETER-3BLADE
M16	8	C668017-0103	TACH GEN
M17	14	CM2926-1	RECORDER
M19	14	SM211-7	TIMER
MT1	8	0850350-5	TACH GEN
MT1	6	0850350-5	TACH GEN
MT2	8	0850350-5	TACH GEN
MT2	8	0850350-5	TACH GEN
MT3	10	9910082-3	FUEL PROBE
MT4	10	9910082-3	FUEL PROBE
MT5	10	9910082-5	FUEL PROBE
MT5	10	9910082-5	FUEL PROBE
MT6	10	9910082-5	FUEL PROBE
MT6	10	9910082-5	FUEL PROBE
MT9	8	0813601-3	L OIL TEMP
MT9	8	0813601-3	L OIL TEMP
MT10	8	0813601-3	R OIL TEMP
MT10	8	0813601-3	R OIL TEMP
MT11	8	AN4076-1	LHD CYL TEMP
MT11	8	AN4076-1	LHD CYL TEMP
MT12	8	AN4076-1	RHD CYL TEMP
MT12	8	AN4076-1	RHD CYL TEMP
MT17	13	0511062-14	STALL ACTCHTR
MT17	13	0511062-14	STALL ACTCHTR

REFERENCE	SHEET	PART NUMBER	DESCRIPTION
MT14	6	0813601-3	OAT BULB
MT21	10	9910082-8	FUEL PROBE
MT22	10	9910082-8	FUEL PROBE
MT23	10	9910082-14	FUEL PROBE
MT24	10	9910082-14	FUEL PROBE
P1	3	1-203739-5	PLUG
P3	8	MS3106A12S-3S	PLUG
P4	8	MS3106A12S-3S	PLUG
P5	8	MS3108A10SL-3S	PLUG
P6	6	MS3108A10SL-3S	PLUG
P7	8	MS3106A14S-1S	PLUG
P8	8	MS3106A14S-1S	PLUG
P9	8	MS3106A14S-2S	PLUG
P10	8	MS3106A14S-2S	PLUG
P11	13	AN3115-1	PLUG
P12	10	75-68-618-15	PLUG
P13	10	75-68-618-15	PLUG
P14	8	MS3106A12S-3S	PLUG
P17	10	MS3106R-18-1P	PLUG
P18	8	MS3106A14S-2S	PLUG
P20	12	MS3106A-10SL3S	PLUG
P21	12	MS3106A-10SL3S	PLUG
P25	14	MS3108A12S-3S	PLUG
P26	14	MS3108A12S-3S	PLUG
P32	5	MS3106E10SL-3S	PLUG
P31	14	233032	PLUG
P32	5	MS3100A-10SL3P	PLUG
P33	5	MS3106F10SL-3S	PLUG
P35	10	MS3106R-18-1P	PLUG
P36	10	MS3106R-18-1P	PLUG
P37	3	203735-6	PLUG
P38	13	AN3115-1	PLUG
P39	13	AN3115-1	PLUG
P43	8	MS3106A10SL3S	PLUG
P44	8	MS3106A10SL3S	PLUG
P45	10	PT06CE-10-98S(SR)	PLUG
P46	10	PT06CE-10-98S(SR)	PLUG
P49	11	08-25P	PLUG
P50	15	1625-12P-1	CONN A.O.A.
P51	13	MS3106A8S-1S	PLUG
P52	13	MS3106A8S-1S	PLUG
P53	12.0	MS3106A10SL-3S	PLUG
P54	15	1625-12R-1	CONN A.O.A.
P55	10	PT06CE-10-95S(SR)	PLUG
P55	10	PT06CE-10-98S(SR)	PLUG
P56	10	PT06CE-10-98S(SR)	PLUG
P56	10	PT06CE-10-98S(SR)	PLUG
P60	12	1625-5P-1	PLUG FLASHER
P41	15	C596503-0101	BOOM MIC
PS1	12	60-1520-3	POWER SUPPLY
Q3	11	2N3055	TRANSISTOR
Q4	11	2N3055	TRANSISTOR
Q5	11	2N3055	TRANSISTOR
Q6	11	2N3055	TRANSISTOR
Q7	11	2N3055	TRANSISTOR
Q03	10		DISCONNECT
R3	9	0200A	RESISTOR
R3	9	0200A	RESISTOR
R4	9	0200A	RESISTOR
R4	9	0200A	RESISTOR
R5	9	0771	RESISTOR
R5	9	0771	RESISTOR
R6	9	0771	RESISTOR
R6	9	0771	RESISTOR
R7	6	22370-125	BATT SHUNT
R8	6	MS-1A-11-T200	RESISTOR
R11	6	22370-125	LH ALT SHUNT
R12	6	22370-125	RH ALT SHUNT
R15	11	0870142-1	RHEOSTAT
R16	8	1/14	RESISTOR
R17	11	F-50-R-1-352A	RHEOSTAT
R18	11	E-50-R-1-352A	RHEOSTAT
R19	13	101-760	RESISTOR
R20	13	101-760	RESISTOR
R26	7	FR100-5	RESISTOR
R31	11	0870142-2	RHEOSTAT
R32	11	0870142-2	RHEOSTAT
R33	11	0870142-2	RHEOSTAT
R34	11	0870142-2	RHEOSTAT
R35	11.0	RC20GF151K	RESISTOR
R53	7	1374-0-48-F-40K	RESISTOR
RF1	15	JN14-1357H-1	FILTER
RF2	15	JN14-1357H-1	FILTER
S1	7	2V81	SWITCH
S2	7	1SE1-3	SWITCH
S3	7	1SE1-3	SWITCH
S4	7	MS25253-1	SWITCH
S5	7	42R31	SWITCH
S7	7	1VA20	SWITCH
S7	7	2VA20	SWITCH(FLT HR O

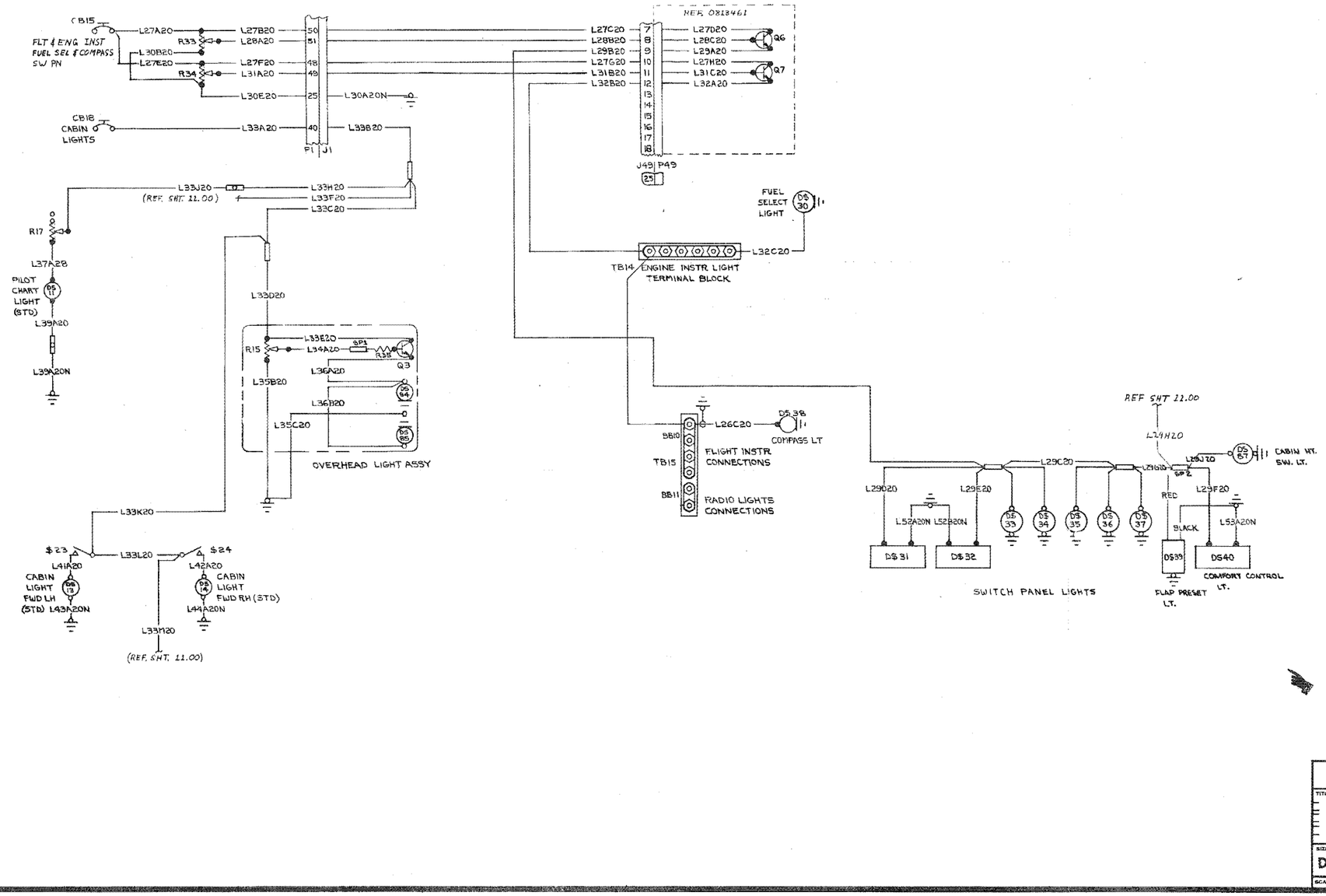
REFERENCE	SHEET	PART NUMBER	DESCRIPTION
S7	7	1CH1-6	SWITCH
S8	7	423YT	SWITCH
S9	7	0813525-4	SWITCH
S10	7	8Z7RT04	SWITCH
S11	9	S-392-1	SWITCH
S12	9	S-392-1	SWITCH AUX PUMP
S13	9	MS35059-27	SWITCH
S14	14	101194	SWITCH
S15	14	8Z7RWT80	SWITCH
S16	14	8Z7RWT80	SWITCH
S18	6	S-392-3	EMER PWR SW
S18	6.02	S-392-3	EMER PWR SW
S19	14	MS25253-1	SWITCH
S20	9	9910058-2	PRESSURE SW
S20	9	9910058-2	PRESSURE SW
S21	9	9910058-2	PRESSURE SW
S21	9	9910058-2	PRESSURE SW
S23	11	CM2686-2	SWITCH
S24	11	CM2686-2	SWITCH
S25	11	CM2686-2	SWITCH
S26	11	CM2686-2	SWITCH
S27	12	MS24524-21	LND LT SW
S27	6.02	MS24524-21	LDG LT SW
S29	5	S-382-2	MAGNETO SWITCH
S30	5	S-382-2	MAGNETO SWITCH
S31	5	S-382-2	MAGNETO SWITCH
S32	5	S-382-2	MAGNETO SWITCH
S33	5	6W2	L START SWITCH
S35	6	MS35059-22	BATTERY SWITCH
S36	6	5018153-1	AMM SEL SW
S37	6	MS35059-22	L FIELD SW
S38	6	MS35059-22	R FIELD SW
S39	9	9910058-1	SWITCH
S40	9	9910058-1	SWITCH
S41	13	0813767-3	THERMOSTAT
S42	13	S-392-1	SWITCH
S46	15	5218060-7	SWITCH ASSY
S49	14	MS1405N	SWITCH (VENDOR
S50	15	913	SWITCH
S51	9	9910058-3	SWITCH
S52	9	9910058-3	SWITCH OIL PRE
S53	12	6406K1	SWITCH
S54	12	6406K1	SWITCH
S55	13	0291L58	SWITCH
S56	12	90E SERIES	SWITCH
S59	12	92P819-T2	SWITCH
S61	8	MS35059-27	SWITCH
S62	8	MS35059-27	SWITCH
S63	8	MS35059-27	SWITCH
S64	8	MS35059-27	SWITCH
S65	9	S-382-2	SWITCH
S66	9	S-382-2	SWITCH
S67	14	MS25253-1	SWITCH
S68	8	305-430B	SWITCH
S69	8	2153	SWITCH
S71	10	7415	SWITCH
S71	10	7415	SWITCH
S72	14	MS35058-27	SWITCH
S75	10	MS24253-1	SWITCH
S76	10	MS24253-1	SWITCH
S77	13	MS24524-22	SWITCH
S77	13	MS24524-22	SWITCH
S87	12	S1696-1	SWITCH
S88	16	S-1696-1	SWITCH
S89	16	S-1695-2	SWITCH
SC42	12	112-210-101	SW BKR TAXI LT
SC42	12	112-507-101	SCR TAXI LT
SC84	14	112-205-101	SCK W/S ANTICE
SC85	14	112-220-101	SB PROP DE-ICE
SC87	12	112-205-101	SB DE-ICE LT
SC88	12	112-537-101	SWKR STROBE
SC89	12	112-205-101	SW BKR NAV LTS
SC89	12	112-205-101	SW BKR NAV LTS
SC810	12	112-210-101	SW BKR ROT B
ST3	6	9910094-1	ALT FAIL SW
ST3	6	9910094-1	ALT FAIL SW
S34	5	6W2	R START SWITCH
ST4	6	9910094-1	ALT FAIL SW
ST4	6	9910094-1	ALT FAIL SW
SR1	15	1N2482	DIODES
SR2	15	1N2482	DIODES
SR3	15	1N2482	DIODE
SR6	15	1N2482	DIODE
SR8	15	1N2482	DIODE
SR13	5	1N2482	DIODE
SR13	5	1N2482	DIODE
SR29	7	1N2482	DIODE
TB14	11	MS25123-2-6	TERM BLK
TB15	11	MS25123-2-6	TERM BLK
TB16	11	MS25123-1-5	T.B.
TR1	12	C1R10-4	TRANSMITTER
VR1	6	8-00296-1	VOLT REG
VR2	6	8-00296-1	VOLT REG
VR3	16	0813660-1	REG ASSY
WC6	9	478987	NOISE FILTER
WC7	9	478987	NOISE FILTER

Cessna AIRCRAFT CO — P.O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: REFERENCE DESIGNATORS

SIZE D | CODE IDENT NO 71379 | DRAWING NO 0808080

SCALE NONE | REV F | SHEET 2 OF 16


CB15
FLT & ENG INST FUEL SEL & COMPASS SW PN
L27A20
R33
L27B20
L28A20
L30B20
L27E20
R34
L27F20
L31A20
L30E20
L30A20N
CB18
CABIN LIGHTS
L33A20
P1 J1
L33B20
L33J20
(REF SHT 11.00)
L33H20
L33F20
L33C20
R17
L37A20
PILOT CHART LIGHT (STD)
L39A20
L39A20N
L33D20
L33E20
R15
L34A20
SP1
R35
Q3
L36A20
L35B20
L36B20
L35C20
OVERHEAD LIGHT ASSY
L33K20
$23
$24
L41A20
L42A20
CABIN LIGHT FWD LH (STD)
CABIN LIGHT FWD RH (STD)
L43A20N
L44A20N
L33L20
L33M20
(REF. SHT. 11.00)
REF. DRG 0818461
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L28B20
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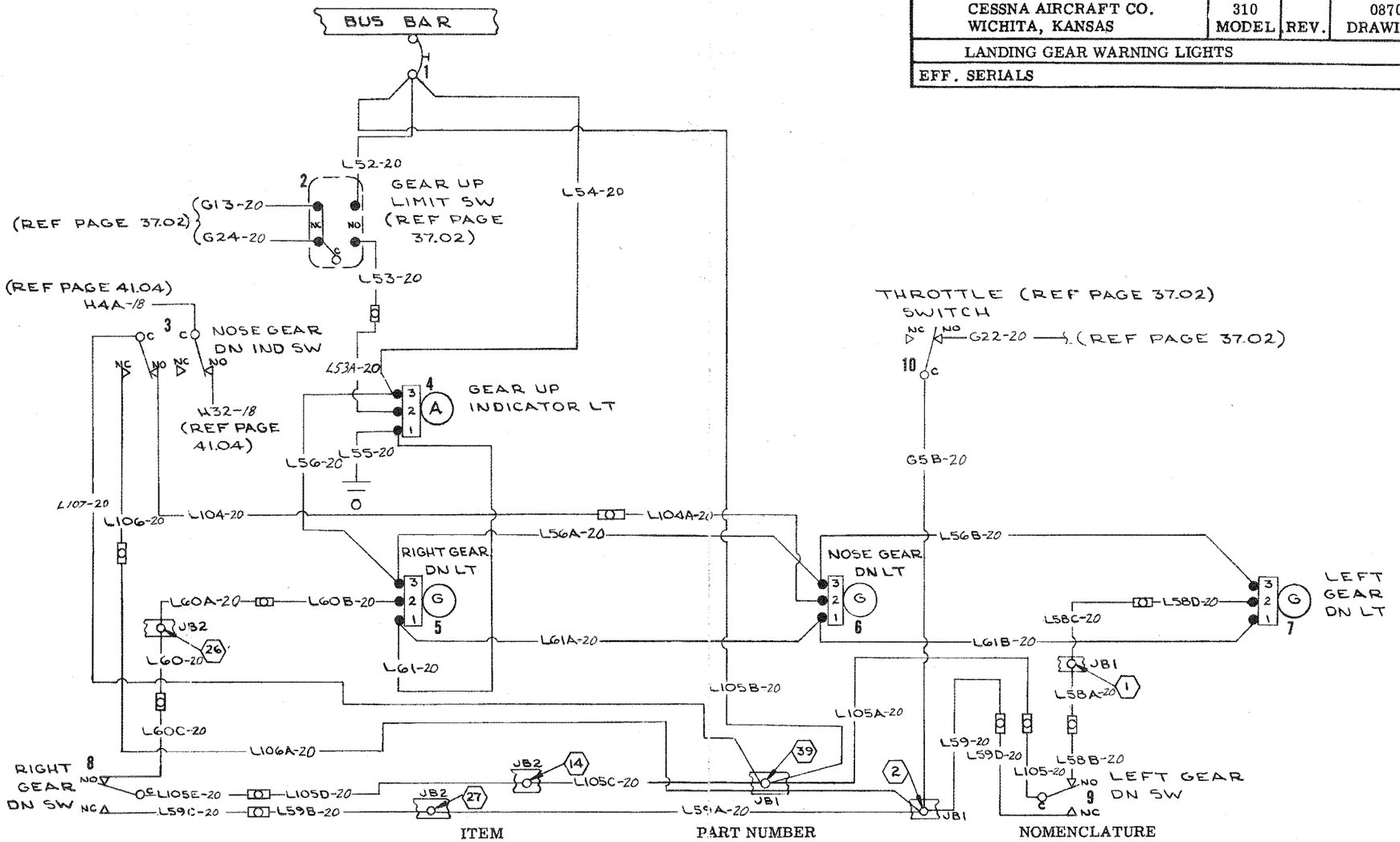
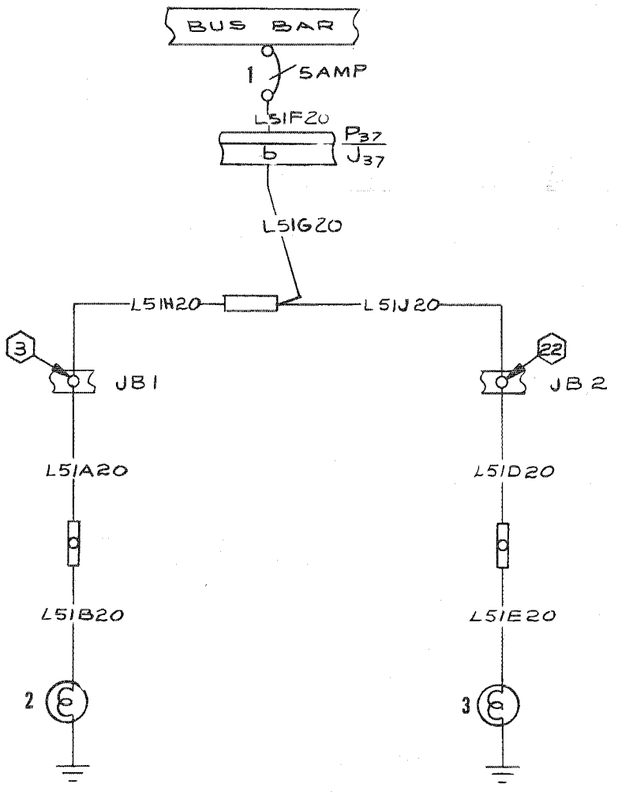
L27G20
L31B20
L32B20
L27D20
L28C20
L29A20
L27H20
L31C20
L32A20
Q6
Q7
J49 P49
FUEL SELECT LIGHT
L32C20
TB14 ENGINE INSTR LIGHT TERMINAL BLOCK
L26C20
COMPASS LT
BB10
TB15
FLIGHT INSTR CONNECTIONS
BB11
RADIO LIGHTS CONNECTIONS
REF SHT 11.00
L24H20
L28J20
CABIN INT. SW. LT.
SP2
L29C20
L29G20
L29D20
L29E20
L29F20
RED
BLACK
L53A20N
L52A20N
L52B20N
SWITCH PANEL LIGHTS
FLAP PRESET LT.
COMPANY CONTROL LT.
Cessna AIRCRAFT CO.
P. O. BOX 1077 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201
TITLE: INTERIOR LIGHTING ~ STD
SIZE D
CODE IDENT. NO. 71379
DRAWING NO. 0808080
SCALE: NONE
SHEET 11.01 OF 16.00

CESSNA AIRCRAFT CO. WICHITA, KANSAS	310 MODEL	REV.	0870090 DRAWING NO.	35. 03 PAGE
LANDING GEAR WARNING LIGHTS				
EFF. SERIALS				

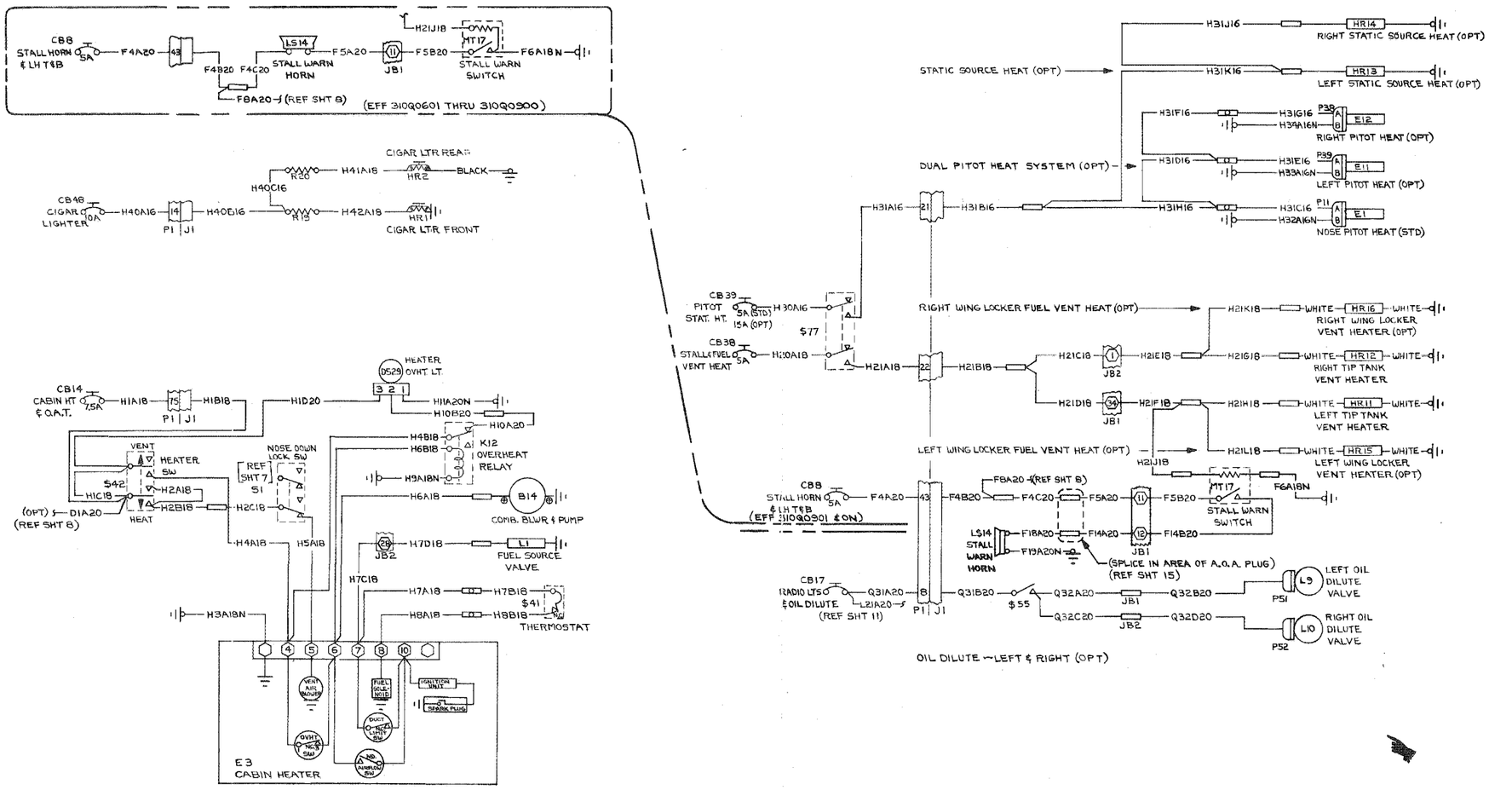


ITEM	PART NUMBER	NOMENCLATURE
1	S.232-505	Circuit Breaker
2	OT2RA7	Switch (Gear Up Limit)
3	2VB1	Switch (Nose Gear Down Indicator
4	VM911M4	Light (Gear Up Indicator)
5	VM911M3	Light (Right Gear Down)
6	VM911M3	Light (Nose Gear Down)
7	VM911M3	Light (Left Gear Down)
8	1SE3-3	Switch (Left Gear Down Indicator)
9	1SE3-3	Switch (Right Gear Down Indicator)
10	8ZR31	Switch Throttle

CESSNA AIRCRAFT CO. WICHITA, KANSAS	310 MODEL	W REV.	0870090 DRAWING NO.	34.02 PAGE
WING DE-ICE LIGHT (OPT)				
EFF. SERIALS				



ITEM	PART NUMBER	NOMENCLATURE
1	112-205-101	Circuit Breaker
2	0820501-5	LH Deice Light
3	0820501-5	RH Deice Light

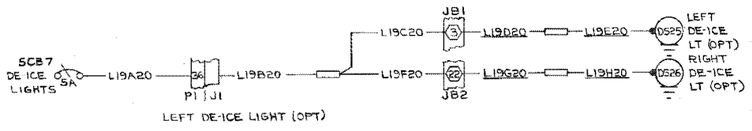


Cessna AIRCRAFT CO. P.O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: CABIN HEAT, CIGAR LTRS, PITOT STATIC HT, STALL HORN, FUEL VENT HT. & OIL DILUTE

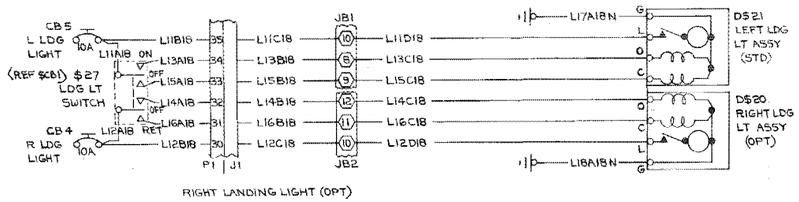
SIZE	CODE IDENT. NO.	DRAWING NO.
D	71379	0808080

SCALE: NONE REF F SHEET 13 OF 16



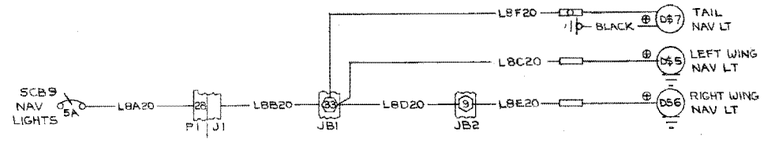
LEFT DE-ICE LIGHT (OPT)

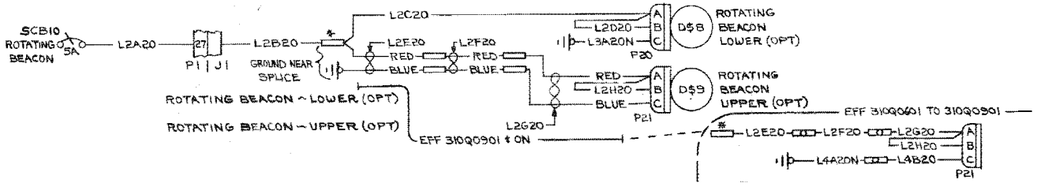
RIGHT DE-ICE LIGHT (OPT)



RIGHT LANDING LIGHT (OPT)

TAXI LIGHT (OPT)

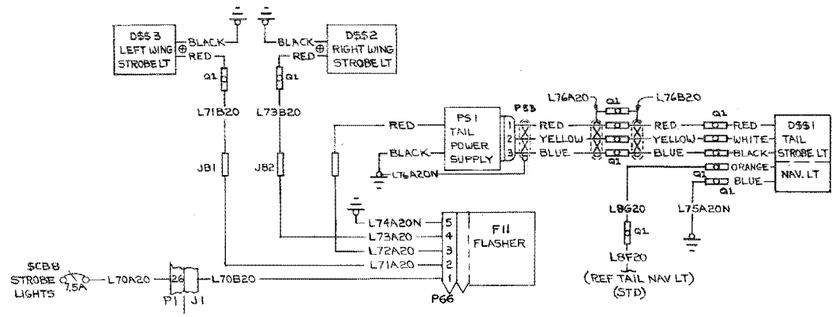




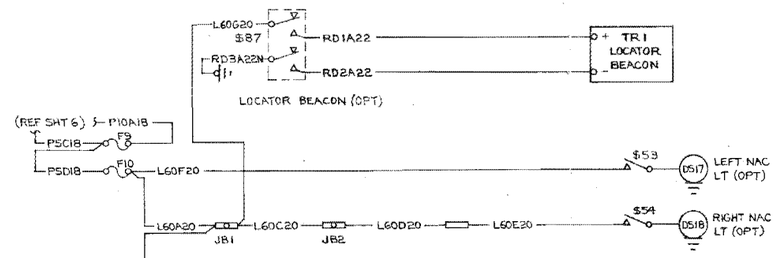
ROTATING BEACON – LOWER (OPT)

ROTATING BEACON – UPPER (OPT)

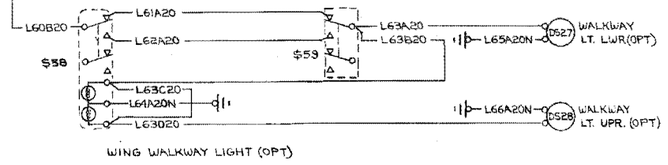
EFF 310Q0901 & ON



STROBE LIGHT SYSTEM (OPT)



NACELLE COURTESY LIGHT (OPT)



WING WALKWAY LIGHT (OPT)

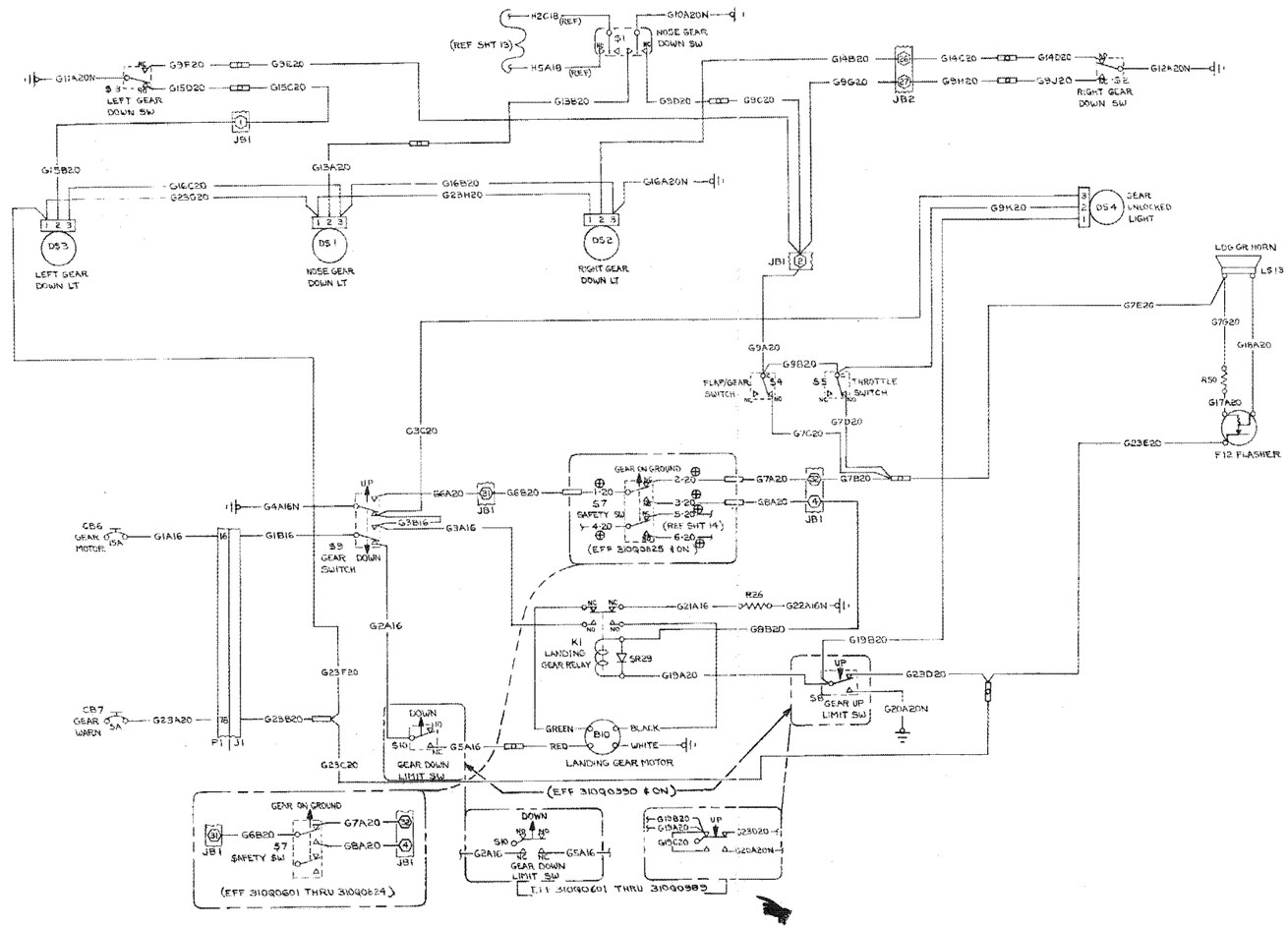
NOTE: 300 OR 500 NUMBERS PRECEDING AIRCRAFT WIRE NUMBERS ARE OPTIONAL (SEE NOTE ON PAGE 14-101.)

Cessna AIRCRAFT CO. P. O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: EXTERIOR LIGHTING – STD & OPT

SIZE	CODE IDENT. NO.	DRAWING NO.
D	71379	0808080

SCALE: NONE REF G SHEET 12 OF 16

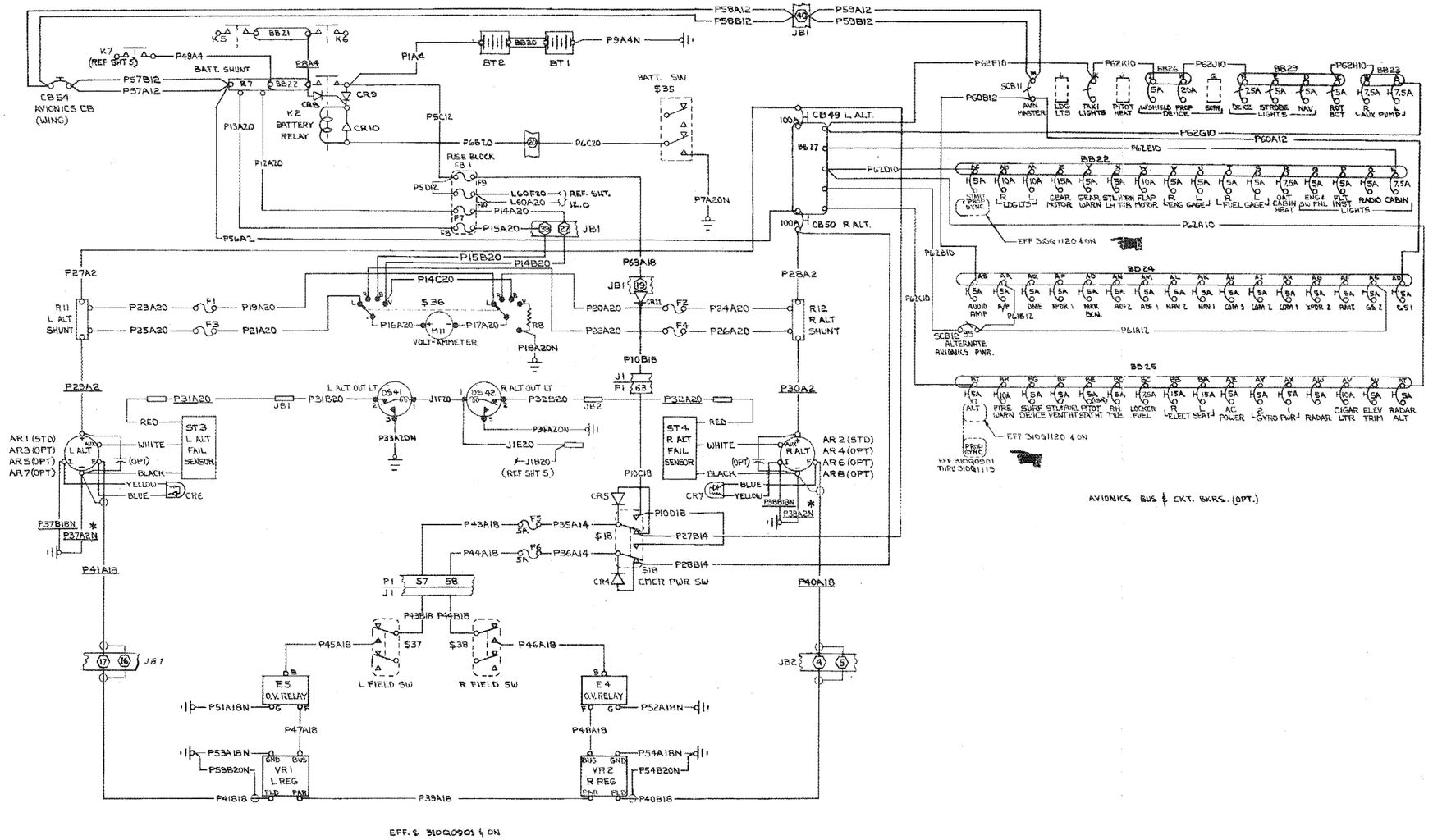


Cessna AIRCRAFT CO. P.O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: LANDING GEAR

SIZE	CODE IDENT. NO.	DRAWING NO.
D	71379	0808080

SCALE: NONE | SHEET 7 OF 16



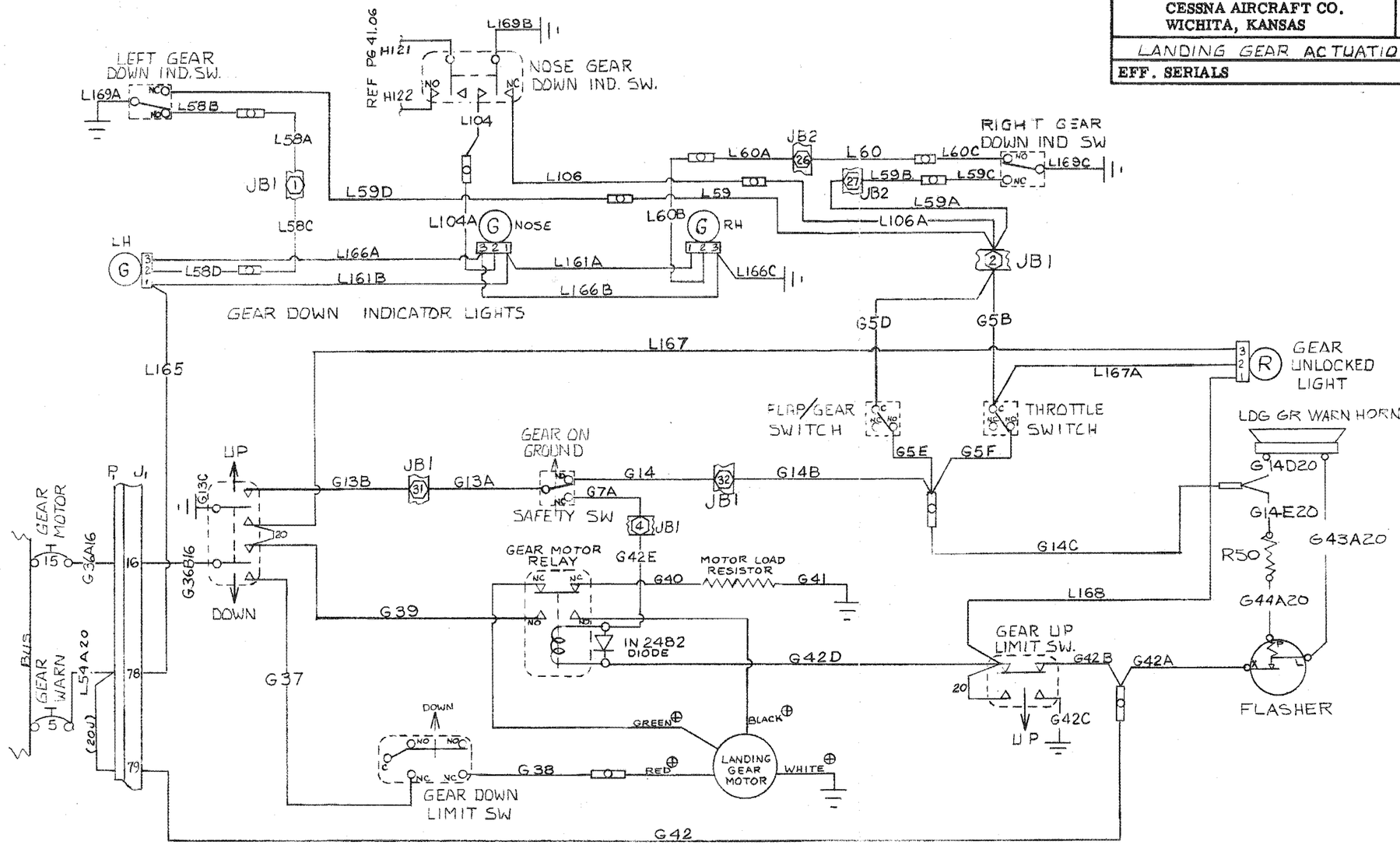
☛ *P37A2N AND P38A2N USED ON 100 AMP OPTION ONLY

Cessna AIRCRAFT CO. P. O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: POWER DISTRIBUTION (OPT. C.B.)

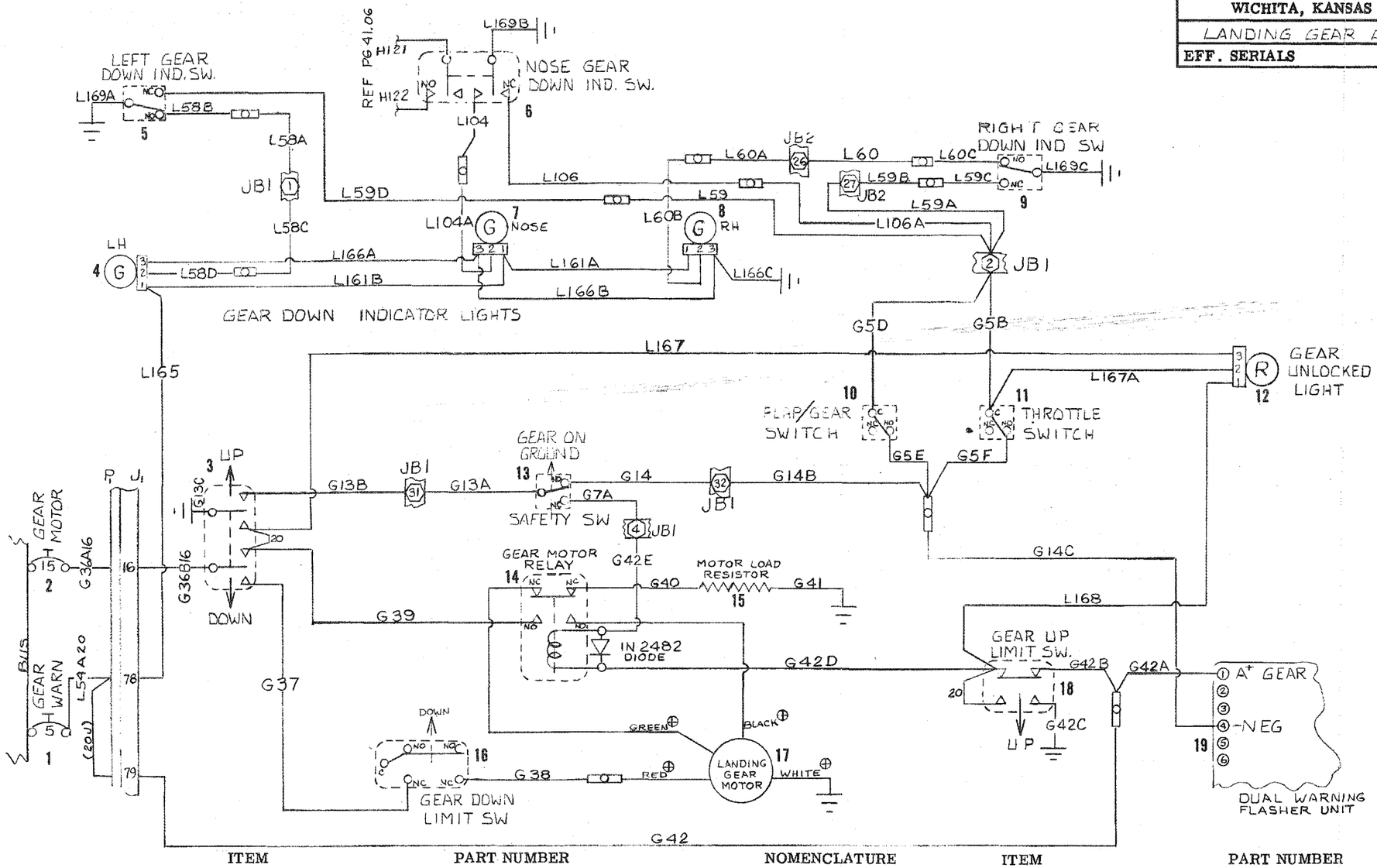
SIZE D | CODE IDENT. NO. 71379 | DRAWING NO. 0808080

SCALE: NONE | REF 6 | SHEET 6.02 OF 16.0

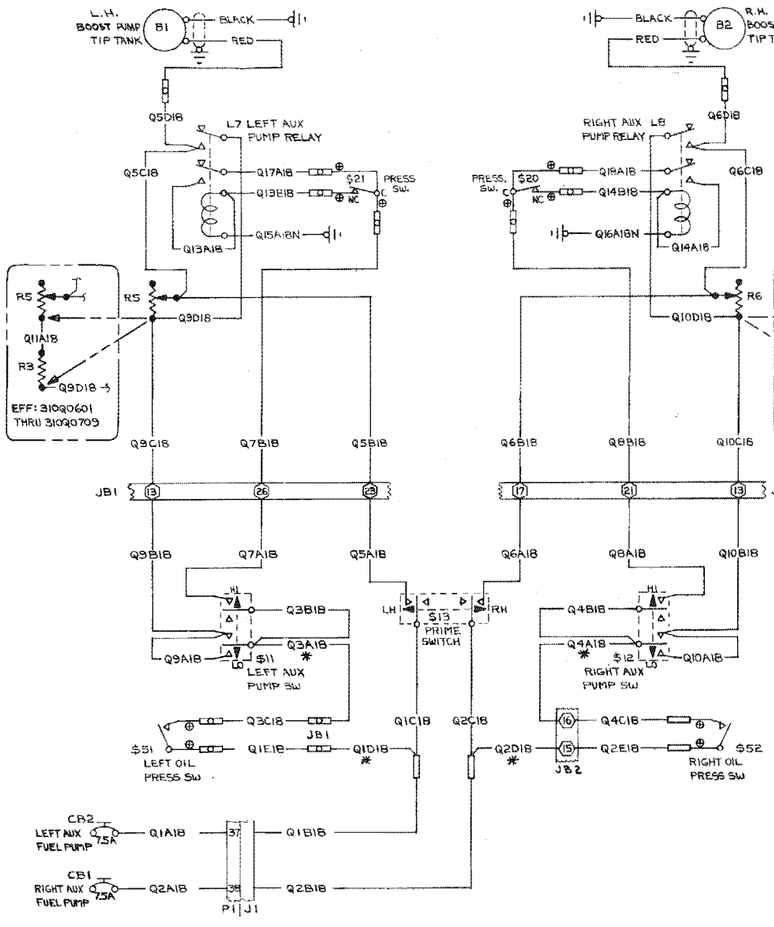


ITEM	PART NUMBER	NOMENCLATURE	ITEM	PART NUMBER	NOMENCLATURE
1	S1232-505	Circuit Breaker	11	BZR31	Switch
2	S1232-515	Circuit Breaker	12	01-911806-6	Light
3	0813525-4	Switch	13	IVA20	Switch
4	VM911M3	Light	14	6D41H220	Relay
5	1SE1-3	Switch	15	FR100-5	Resistor
6	2VB1	Switch	16	BZ7RT04	Switch
7	VM911M3	Light	17	9910002-3	Motor
8	VM911M3	Light	18	BZ3YT	Switch
9	1SE1-3	Switch	19	R102-12V	Warning Horn Flasher
10	MS25253-1	Switch	20	A2948	Gear Warning Horn
			21	1-3/4D48F40	Resistor

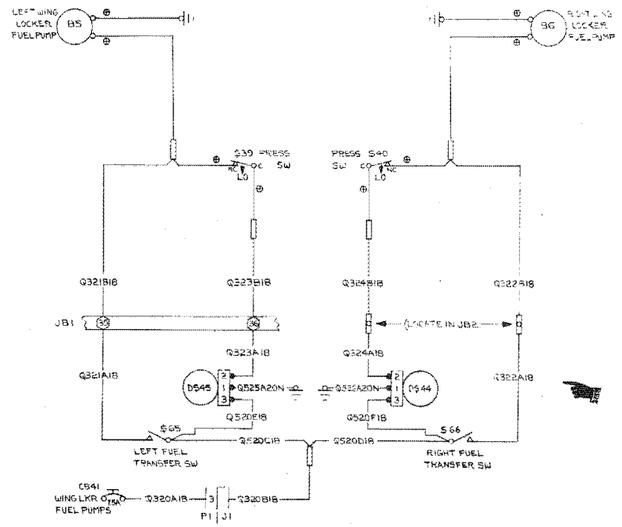
CESSNA AIRCRAFT CO. WICHITA, KANSAS	310 MODEL	AE REV.	0870090 DRAWING NO.	35-05 PAGE
LANDING GEAR ACTUATION & WARNING				
EFF. SERIALS				



ITEM	PART NUMBER	NOMENCLATURE	ITEM	PART NUMBER	NOMENCLATURE
1	S1232-505	Circuit Breaker	10	MS25253-1	Switch
2	S1232-515	Circuit Breaker	11	BZR31	Switch
3	0813525-4	Switch	12	01-911806-6	Light
4	VM911M3	Light	13	IVA20	Switch
5	1SE1-3	Switch	14	6D41H220	Relay
6	2VB1	Switch	15	FR100-5	Resistor
7	VM911M3	Light	16	BZ7RT04	Switch
8	VM911M3	Light	17	9910002-3	Motor
9	1SE1-3	Switch	18	BZ3YT	Switch
			19	No. 285	Dual Warning Flasher Unit

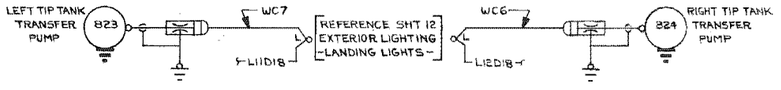


WHEN OPTIONAL ENGINE IS INSTALLED (T310)
SPLICE Q1D1B TO Q3A1B IN JB1 &
JUMPER Q2D1B TO Q4A1B IN JB2



LEFT WING LOCKER FUEL TRANSFER PUMPS (OPT)

RIGHT WING LOCKER FUEL TRANSFER PUMPS (OPT)

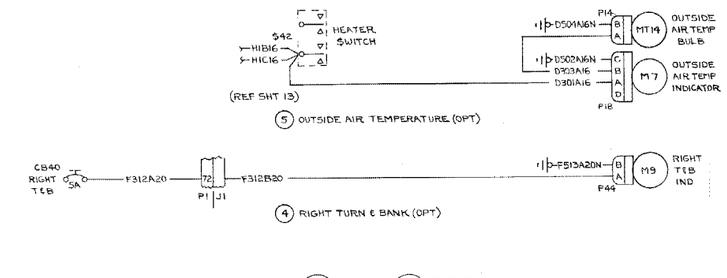


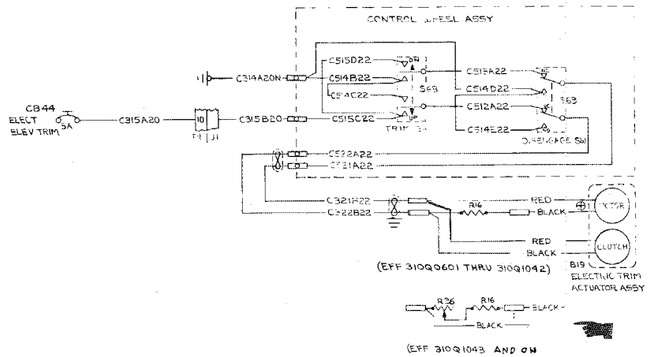
Cessna AIRCRAFT CO. P.O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

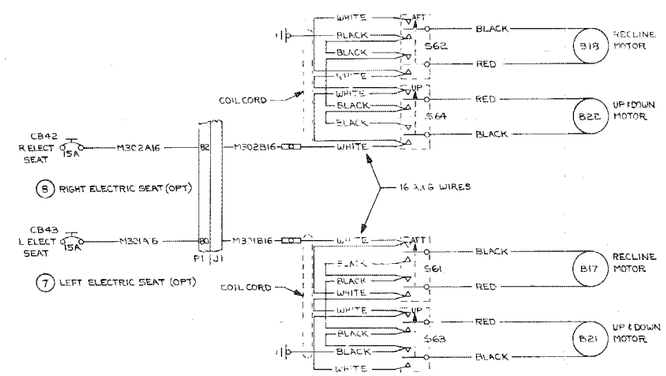
TITLE: FUEL PUMPS ~ STD & OPT

SIZE	CODE IDENT. NO.	DRAWING NO
D	71379	0808080

SCALE: NONE REF G SHEET 9 OF 16







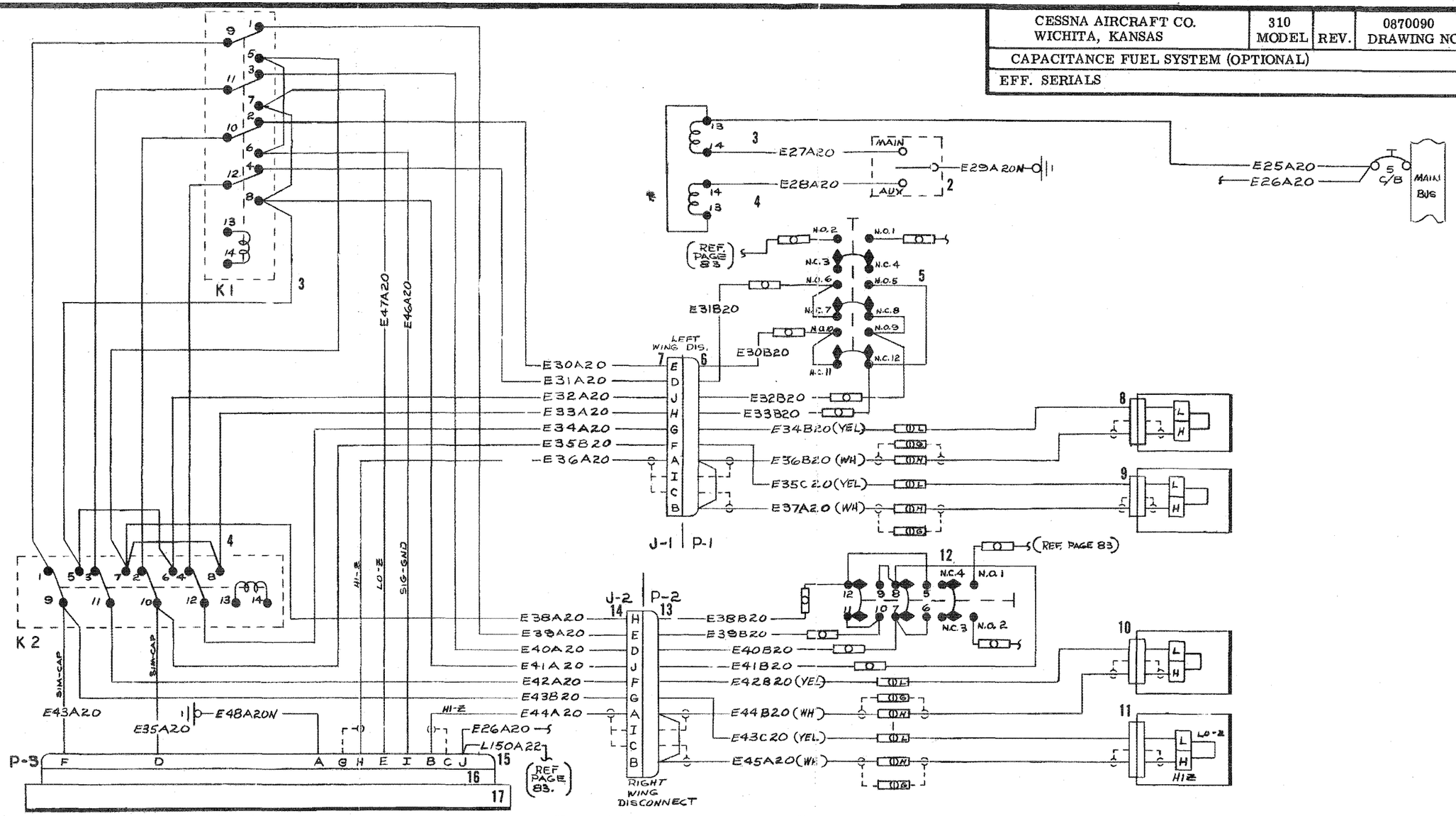
Cessna® AIRCRAFT CO. P.O. BOX 1077 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: TACH GEN, ENGINE INSTR, T&B(LH&RH), O.A.T., ELECT TRIM & ELECT SEAT (LH&RH)

SIZE	CODE IDENT. NO.	DRAWING NO.
D	71379	0808080

SCALE: NONE REF G SHEET 8 OF 16

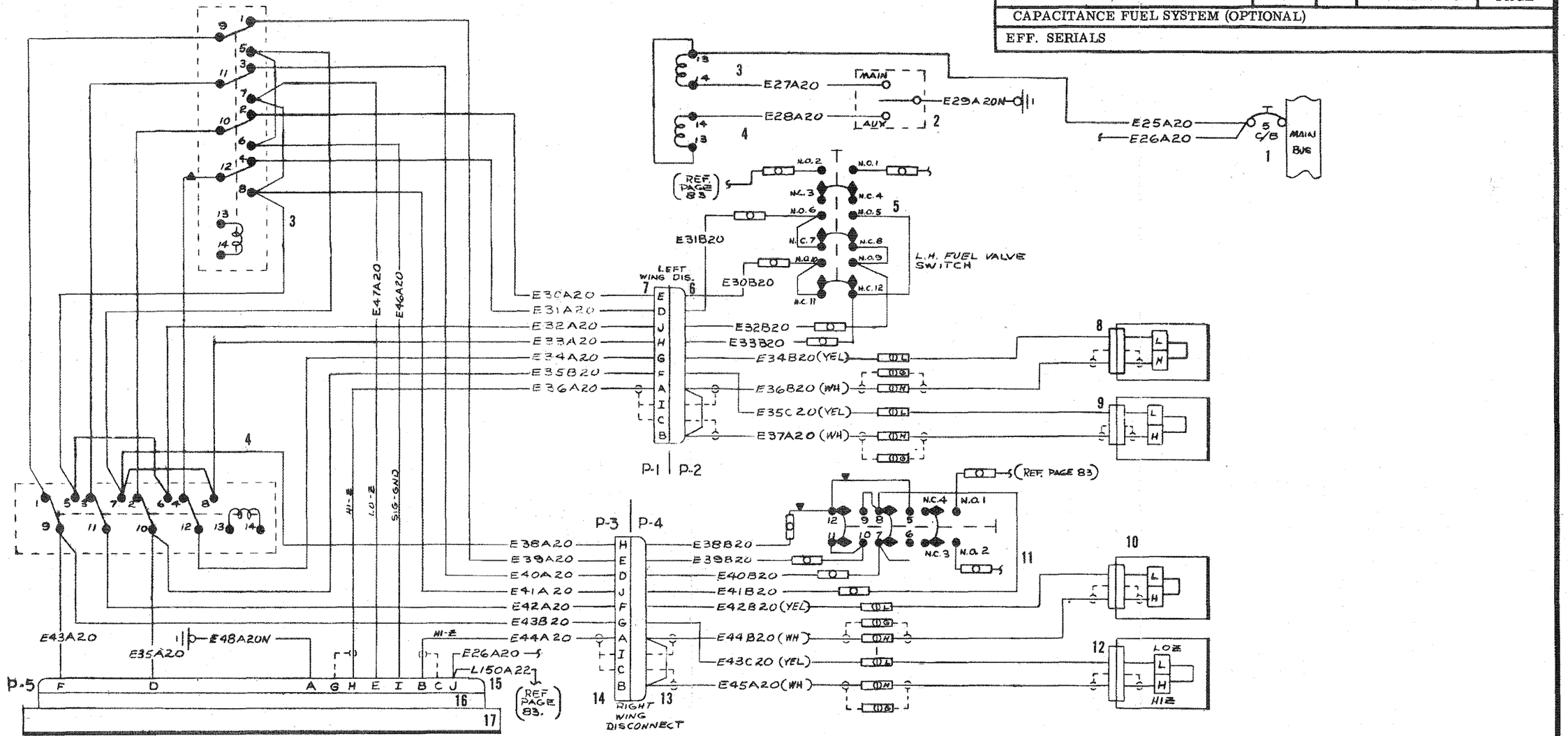
CESSNA AIRCRAFT CO. WICHITA, KANSAS	310 MODEL	REV.	0870090 DRAWING NO.	81.01 PAGE
CAPACITANCE FUEL SYSTEM (OPTIONAL)				
EFF. SERIALS				



Unit	Part Number	Nomenclature
1	S1232-505	Circuit Breaker
2	S1695-4	Selector Switch
3	281XDX-24VDC	Relay
4	281XDX-24VDC	Relay
5	36-604	(LH) Selector Valve Switch
6	MS3106R-18-1P	Plug
7	MS3100R-18-1S	Receptacle
8	PAA700-3	(LH) Main Tank Unit
9	PAA700-2	(LH) Aux Tank Unit

Unit	Part Number	Nomenclature
10	PAA700-3	(RH) Main Tank Unit
11	PAA700-2	(RH) Aux Tank Unit
12	36-604	(RH) Selector Valve Switch
13	MS3106R-18-1P	Plug
14	MS3100R-18-1S	Receptacle
15	MS3106E-18-1S	Receptacle
16	MS3106E-18-1P	Plug
17	C662013-0101	Indicator

CESSNA AIRCRAFT CO. WICHITA, KANSAS	310 MODEL	C REV.	0870090 DRAWING NO.	81.00 PAGE
CAPACITANCE FUEL SYSTEM (OPTIONAL)				
EFF. SERIALS				



Item	Part Number	Nomenclature	Item	Part Number	Nomenclature
1	S1232-505	Circuit Breaker	10	PAA700-3	(RH) Main Tank Unit
2	S1695-4	Selector Switch	11	36-604	(RH) Selector Valve Switch
3	281XDX-24VDC	Relay	12	PAA700-2	(RH) Aux Tank Unit
4	281XDX-24VDC	Relay	13	MS3106R-18-1P	Plug
5	36-604	(LH) Selector Valve Switch	14	MS3100R-18-1S	Receptacle
6	MS3106R-18-1P	Plug	15	MS3106E-18-1S	Receptacle
7	MS3100R-18-1S	Receptacle	16	MS3100E-18-1P	Plug
8	PAA700-3	(LH) Main Tank Unit	17	C662013-0101	Indicator
9	PAA700-2	(LH) Aux Tank Unit			

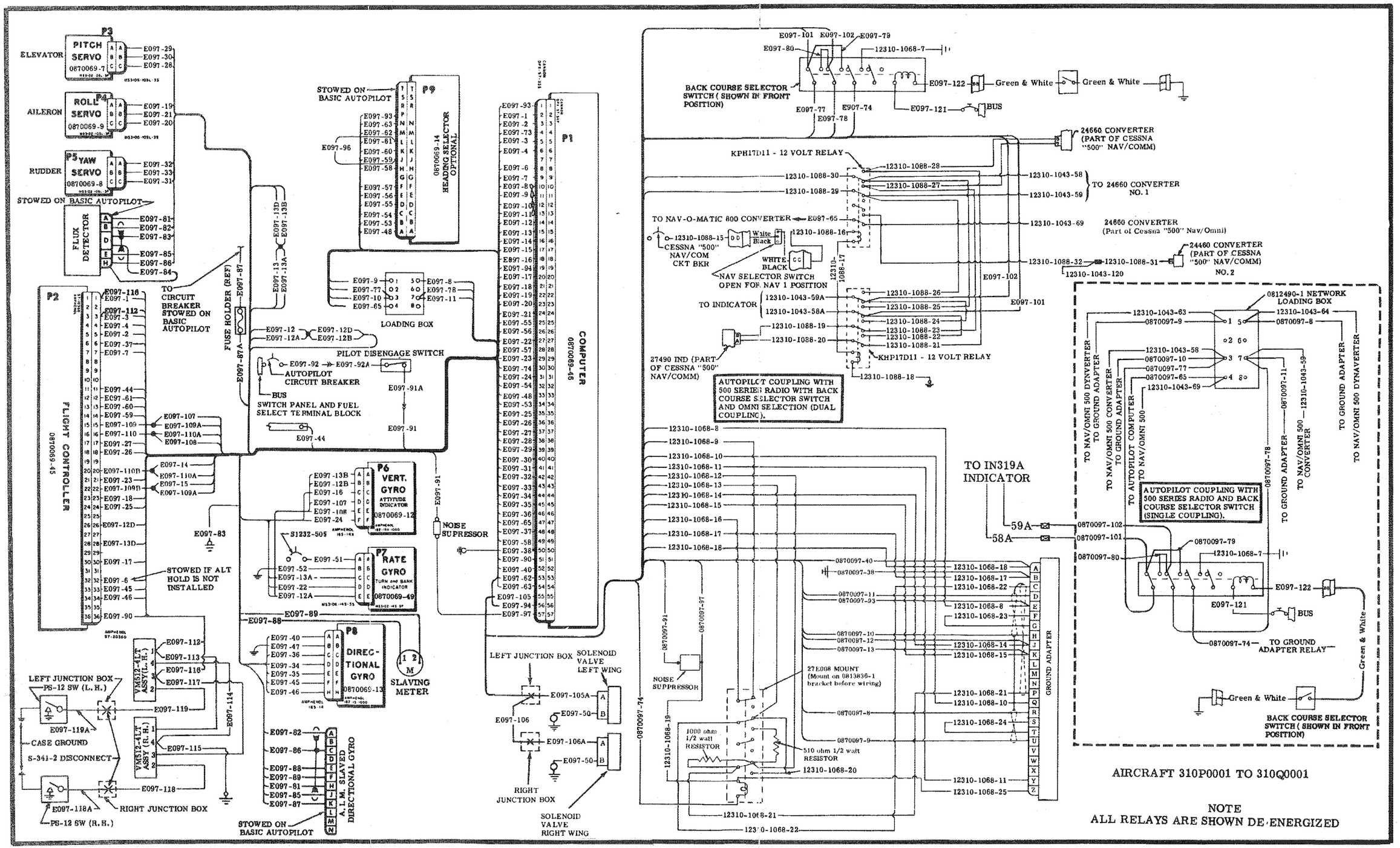


Figure 15-22. Nav-O-Matic 800 Basic Wiring Circuit (Sheet 3 of 3)

NOTE
ALL RELAYS ARE SHOWN DE ENERGIZED

NAV-O-MATIC 800 AUTOPILOT WITH BACK COURSE ILS SWITCH AND NAV/OMNI 800 SINGLE COUPLING

NAV-O-MATIC 800 AUTOPILOT WITH BACK COURSE AND NAV/OMNI 800 WITH CONTROL SELECTOR WIRES

AIRCRAFT 310P0001 TO 310Q0001

Figure 15-22. Nav-O-Matic 800 Basic Wiring Circuit (Sheet 2 of 3)

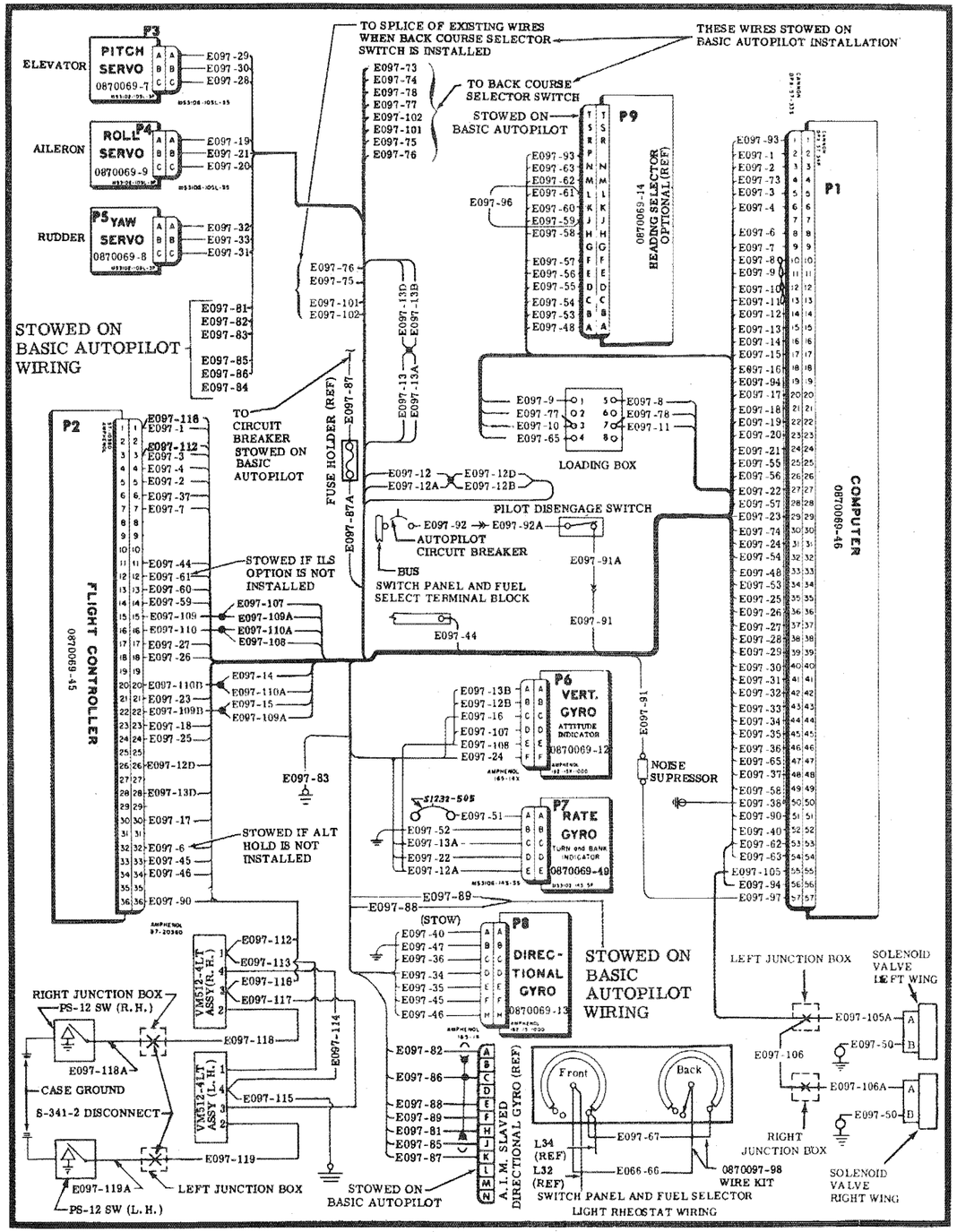


Figure 15-22. Nav-O-Matic 800 Basic Wiring Circuit (Sheet 1 of 3)

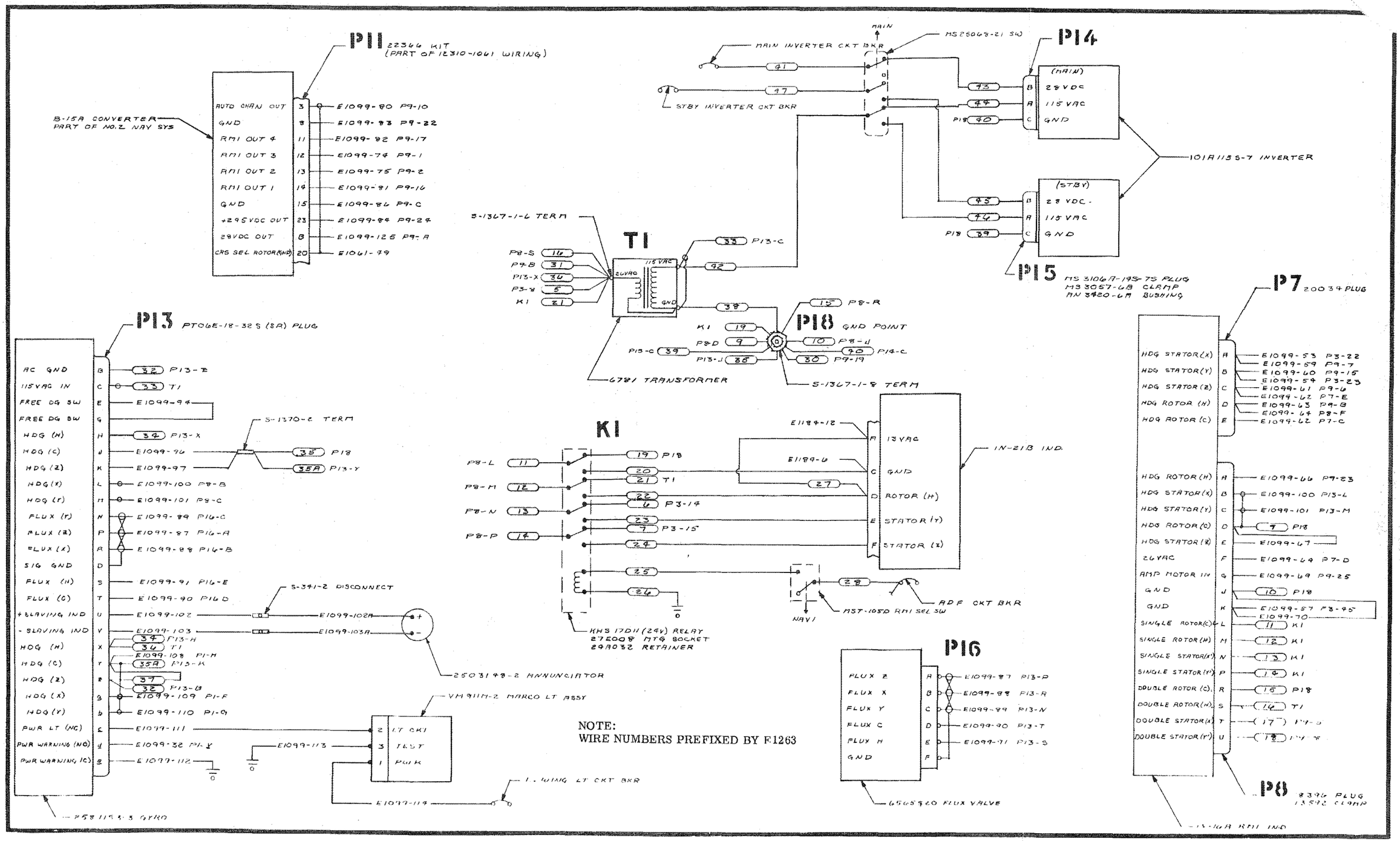
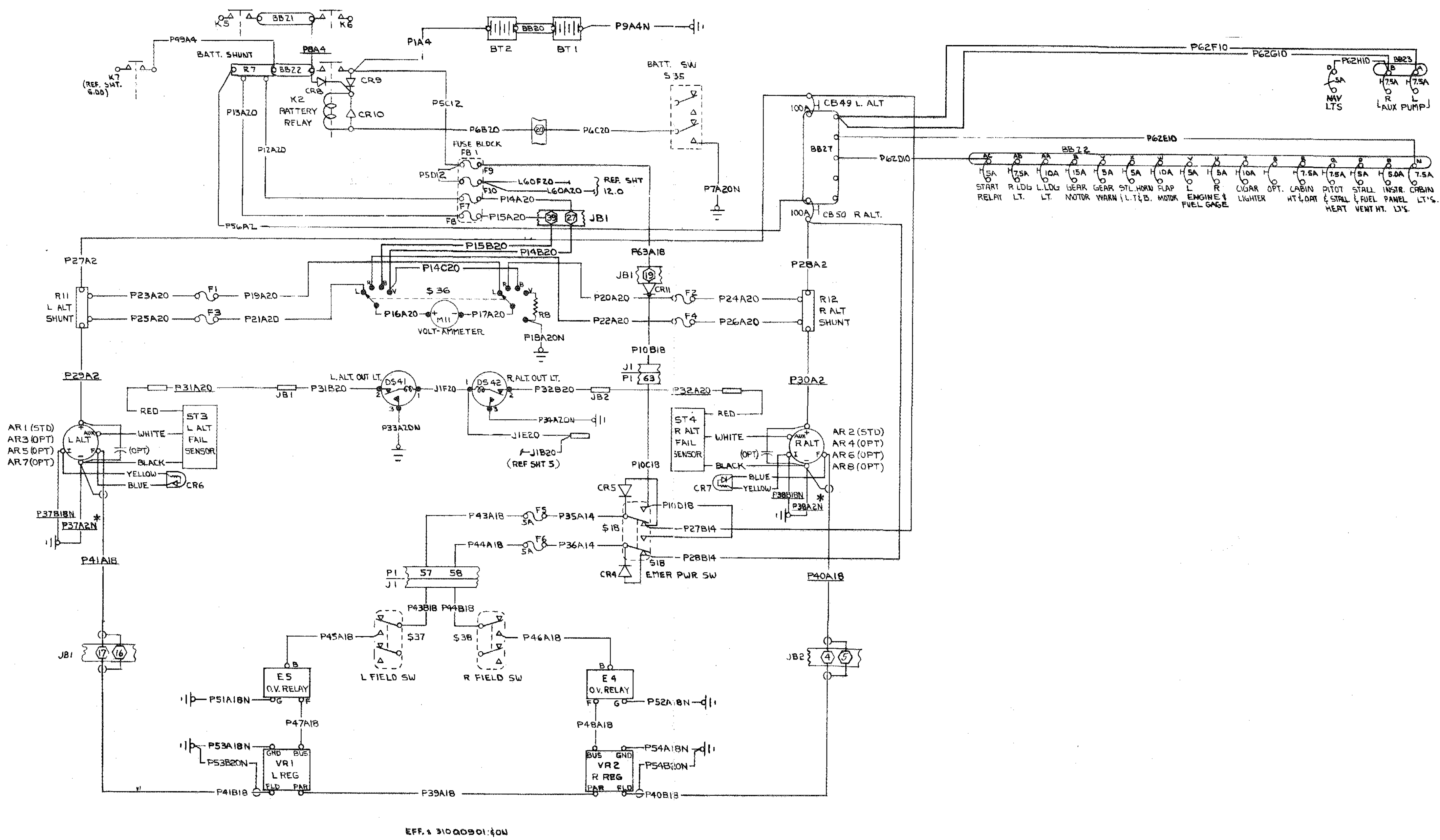


Figure 15-21. PN101 NAV System Coupled with C-14 Gyro and Cessna 800 RMI (Sheet 2 of 2)

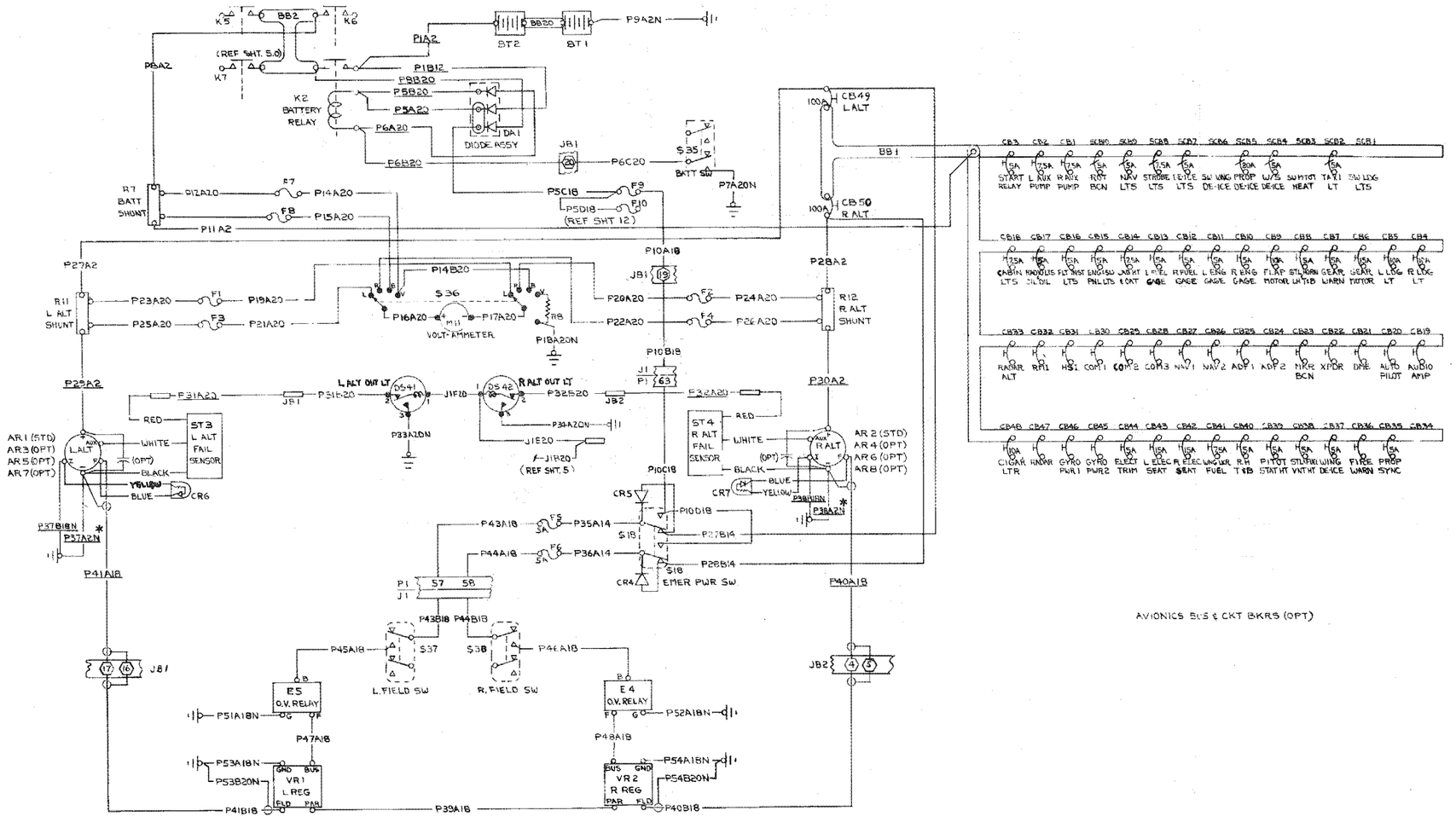


*P37A2N AND P38A2N USED ON 100 AMP OPTION ONLY

Cessna AIRCRAFT CO. P. O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: POWER DISTRIBUTION (STD.)

SIZE	CODE IDENT. NO.	DRAWING NO.
D	71379	0808080
SCALE NONE	REF G	SHEET 6.01 OF 16



*P37A2N AND P38A2N USED ON 100 AMP OPTION ONLY

EFF: 310Q0401 THRU 310Q0500

Cessna AIRCRAFT CO. P.O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: POWER DISTRIBUTION

SIZE D | CODE IDENT. NO. 71379 | DRAWING NO. 0808080

SCALE: NONE | REV G | SHEET 6 OF 16

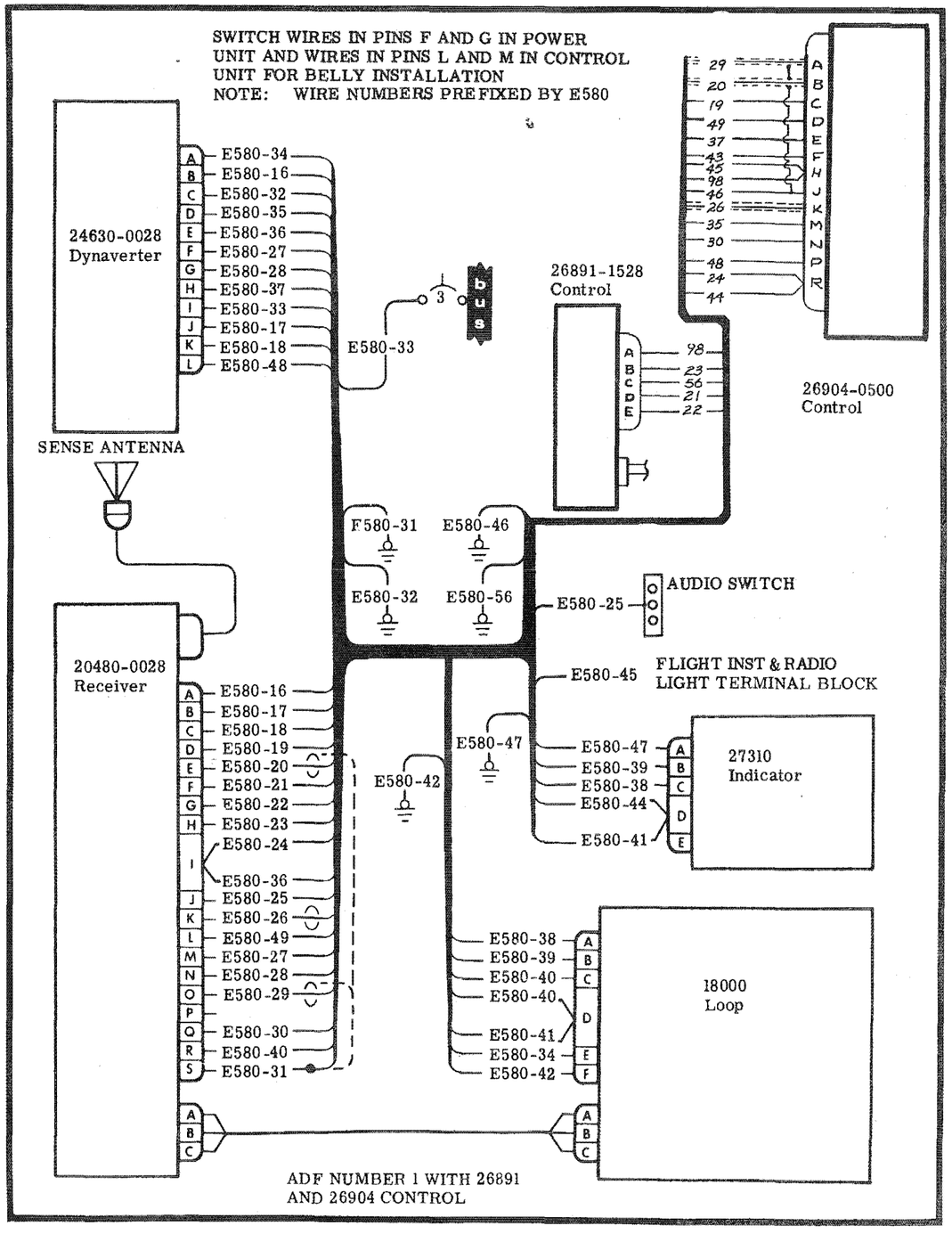
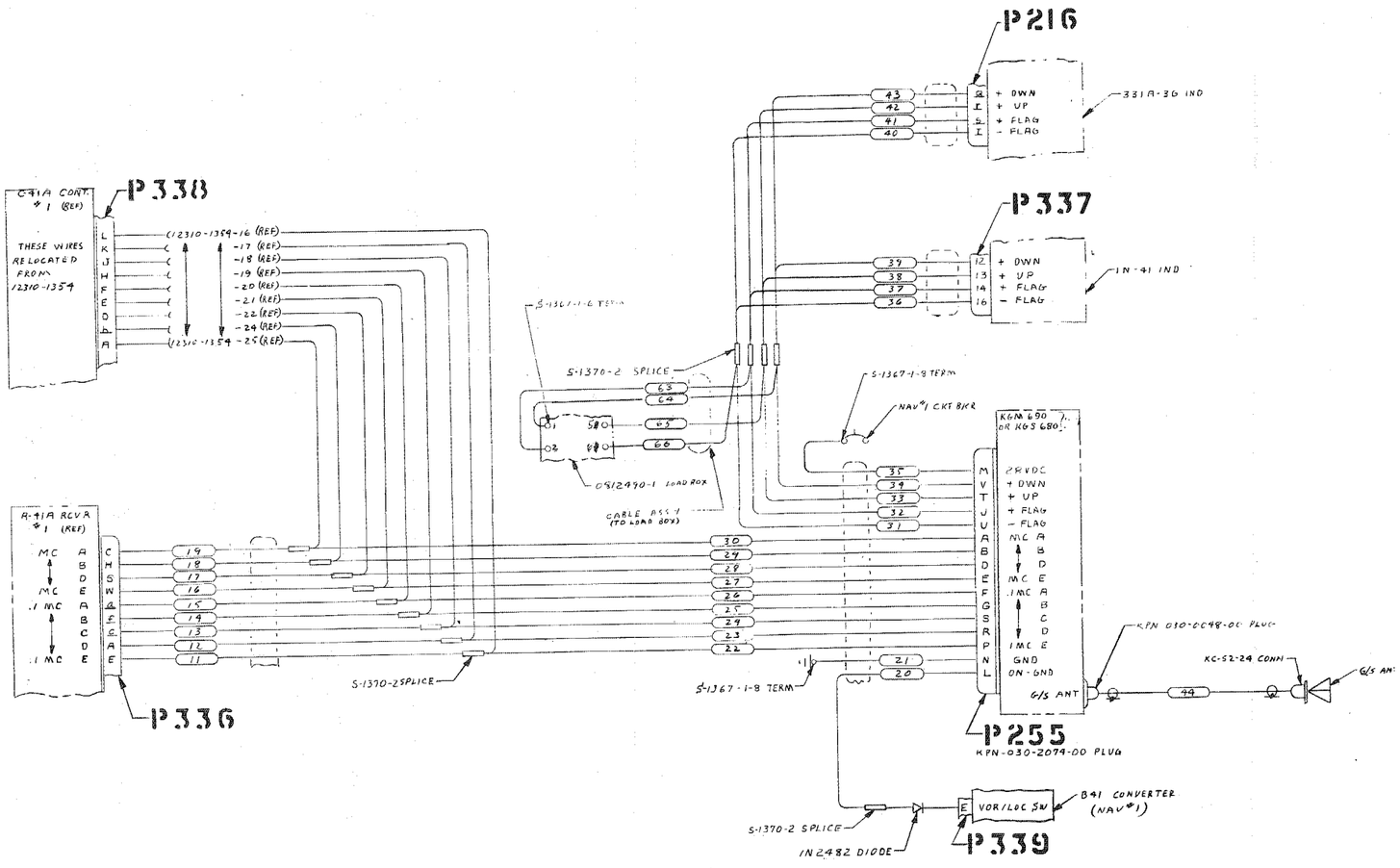


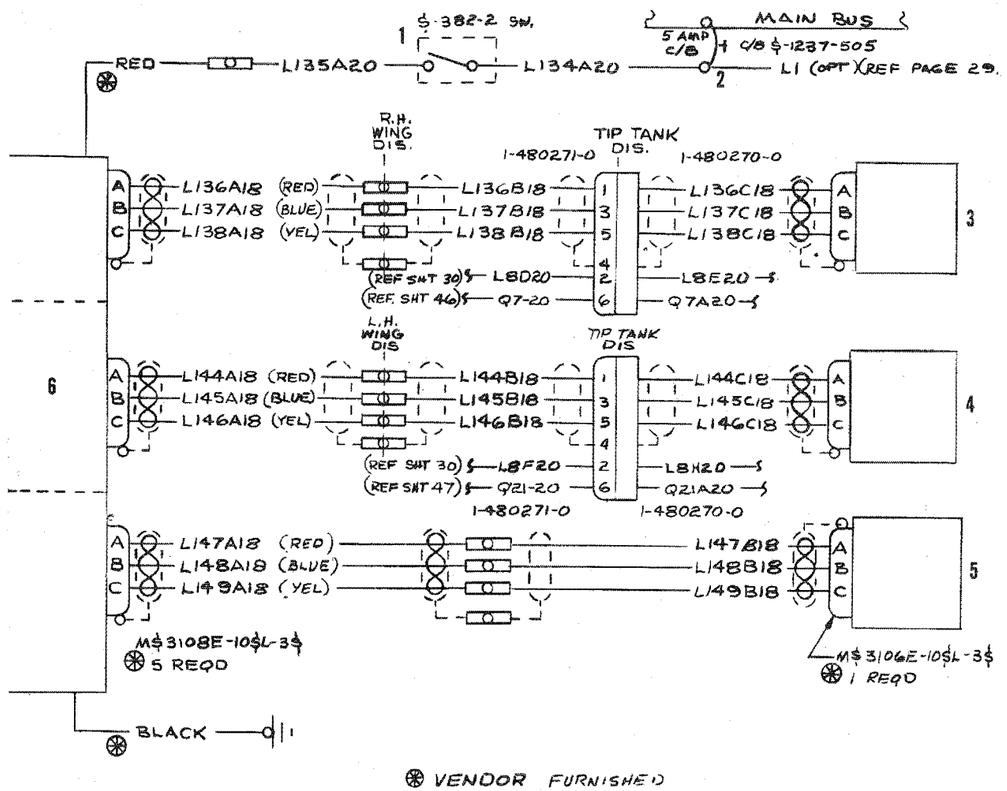
Figure 15-11. Cessna ADF 800 Rotatable Loop (Sheet 1 of 2)



310P0015 AND ON
TURBO-SYSTEM 310P0015 AND ON

Figure 15-10. Cessna 800 Glide Slope

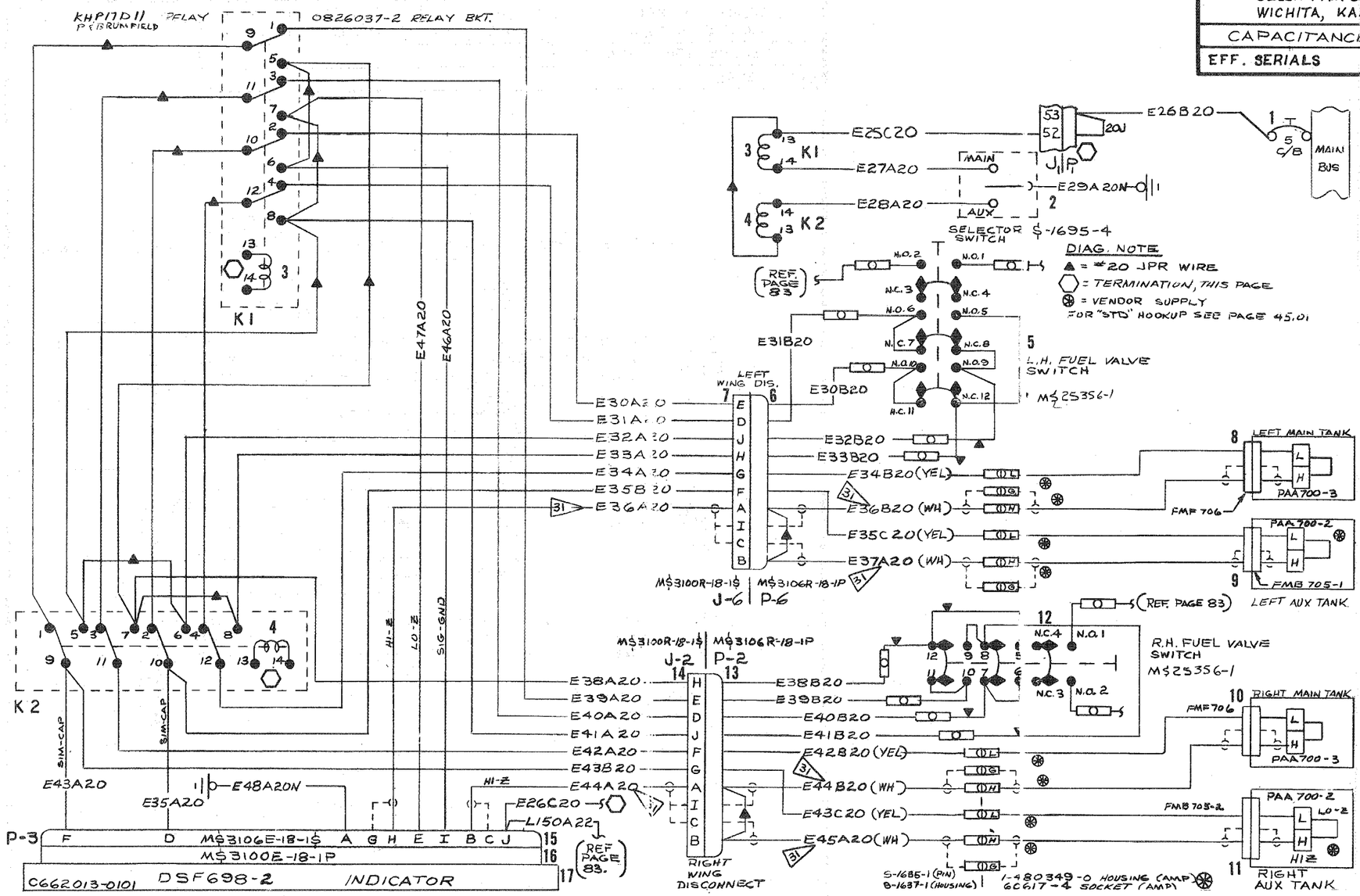
CESSNA AIRCRAFT CO. WICHITA, KANSAS	310 MODEL	REV.	0870090 DRAWING NO.	82.00 PAGE
STROBE LIGHT SYSTEM (OPT)				
EFF. SERIALS				



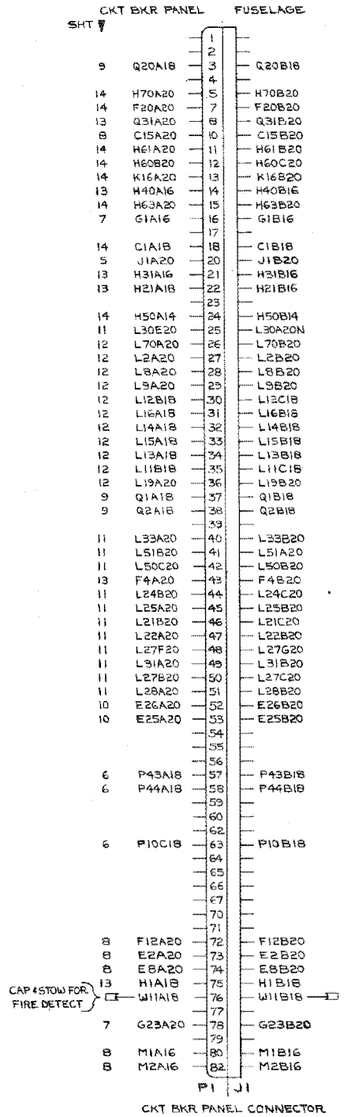
VENDOR FURNISHED

ITEM	PART NUMBER	NOMENCLATURE
1	S382-2	Switch
2	S1232-510	Circuit Breaker
3	30-0199-3LH	Light Assembly
4	30-0199-3RH	Light Assembly
5	30-0329-3	Light-Stinger
6	60-1038	Power Supply

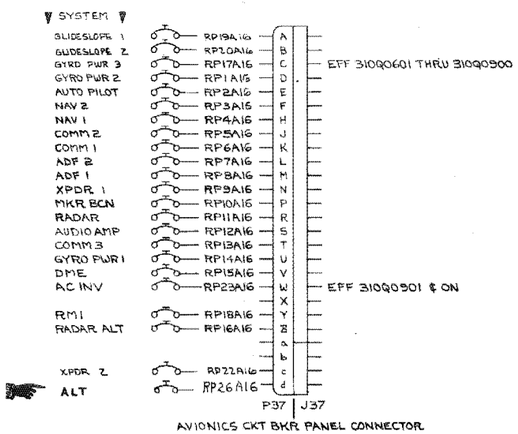
CESSNA AIRCRAFT CO. WICHITA, KANSAS	310Q MODEL	AE REV.	0870090 DRAWING NO.	81.02 PAGE
CAPACITANCE FUEL SYSTEM (OPTIONAL)				
EFF. SERIALS				



ITEM	PART NUMBER	NOMENCLATURE
1	S1232-505	Circuit Breaker
2	S1695-4	Selector Switch
3	281XDX-24VDC	Relay
4	281XDX-24VDC	Relay
5	36-604	Selector Valve Switch LH
6	MS3106R-19-1P	Plug
7	MS3100R-18-1S	Receptacle
8	PAA700-3	Main Tank Unit LH
9	PAA700-2	Aux Tank Unit LH
10	PAA700-3	Main Tank Unit RH
11	PAA700-2	Aux Tank Unit RH
12	36-604	Selector Valve Switch RH
13	MS3106R-18-1P	Plug
14	MS3100R-18-1S	Receptacle
15	MS3106E-18-1S	Receptacle
16	MS3106E-18-1P	Plug
17	C662013-0101	Indicator



CKT BKR PANEL CONNECTOR



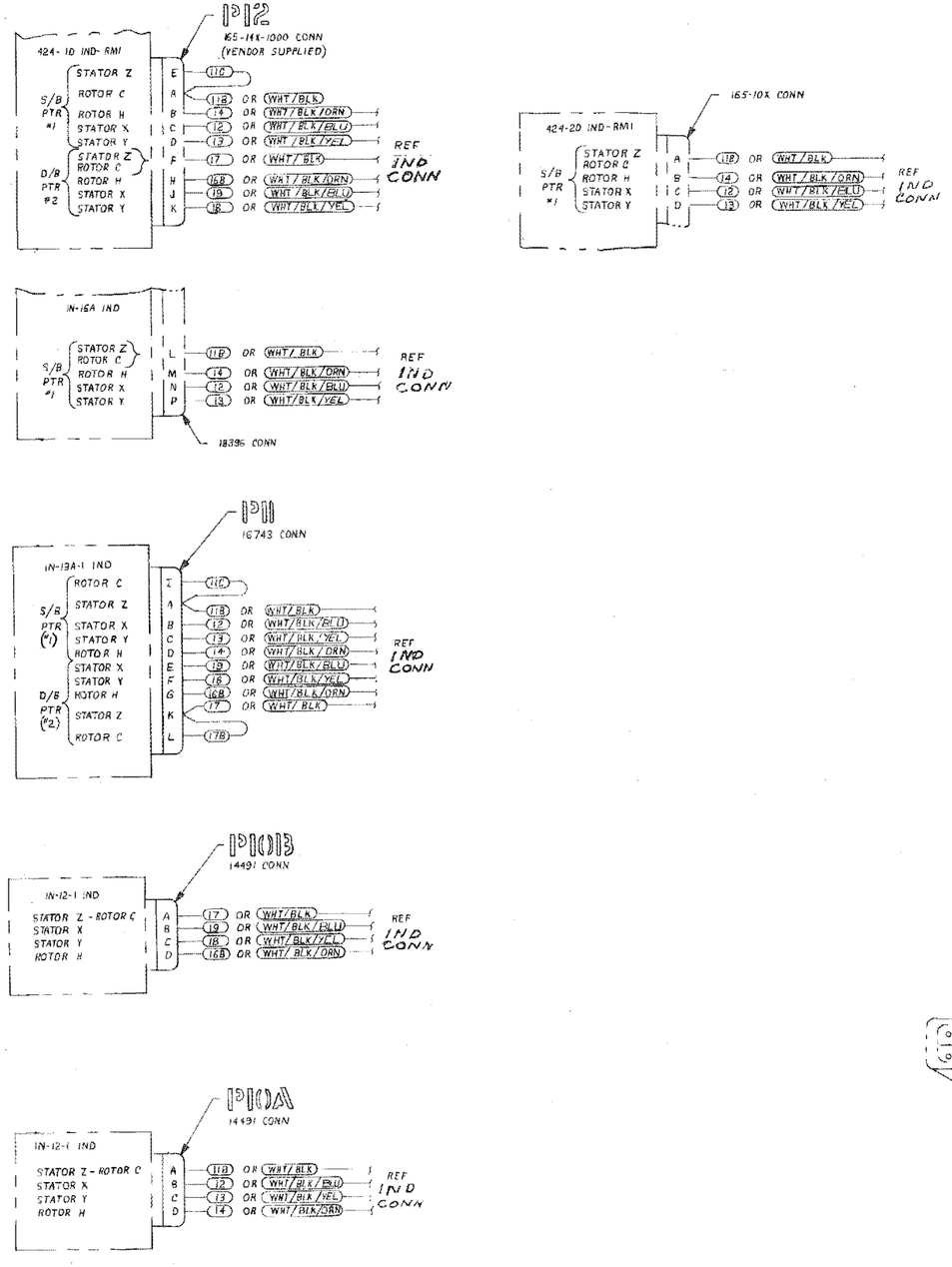
AVIONICS CKT BKR PANEL CONNECTOR

Cessna AIRCRAFT CO. P. O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: CONNECTORS

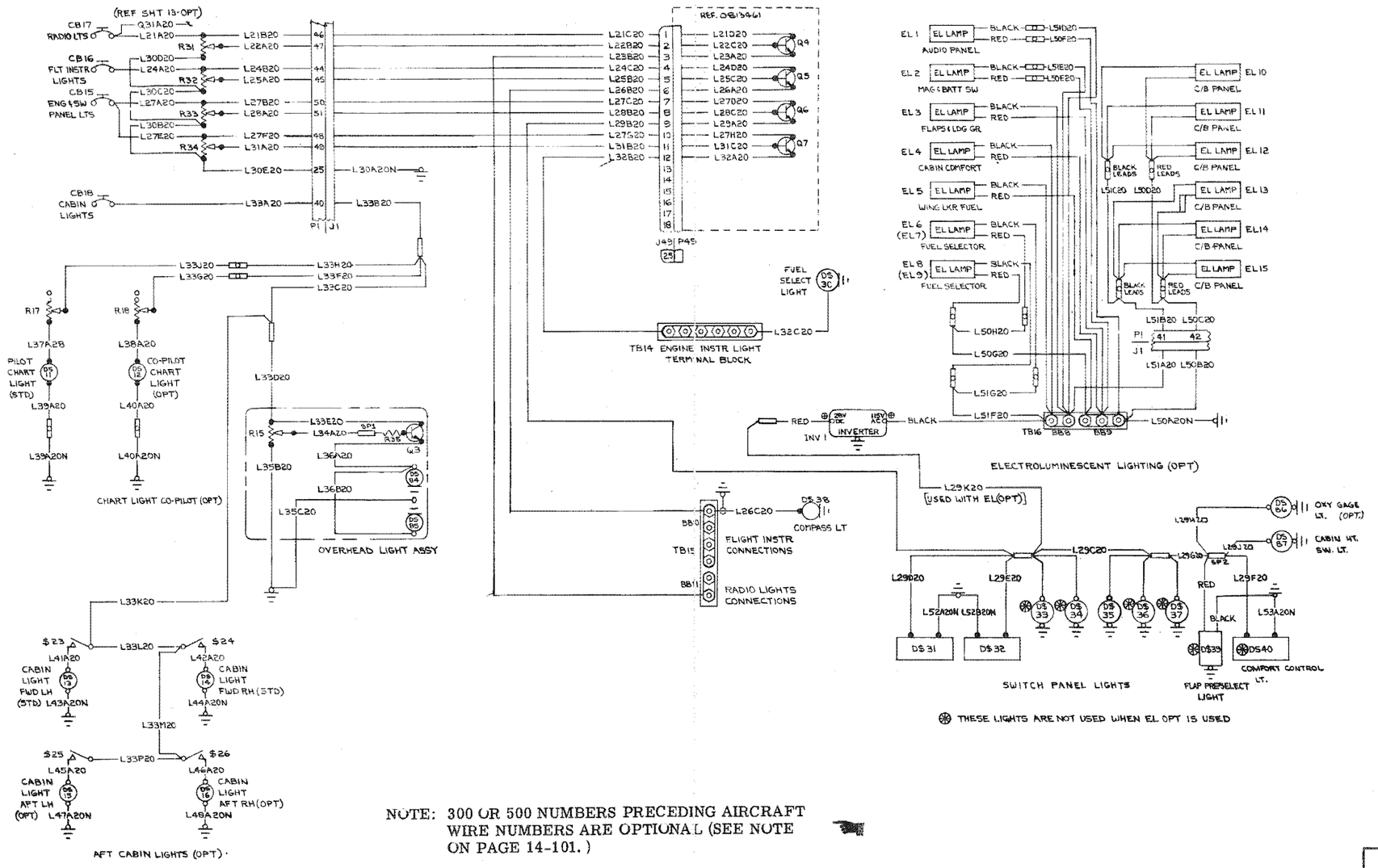
SIZE	CODE IDENT. NO.	DRAWING NO.
D	71379	0808080

SCALE: NONE REF G SHEET 3 OF 16



310P0015 AND ON
TURBO-SYSTEM 310P0015 AND ON

Figure 15-25. Cessna 400 ADF (Sheet 1 of 2)



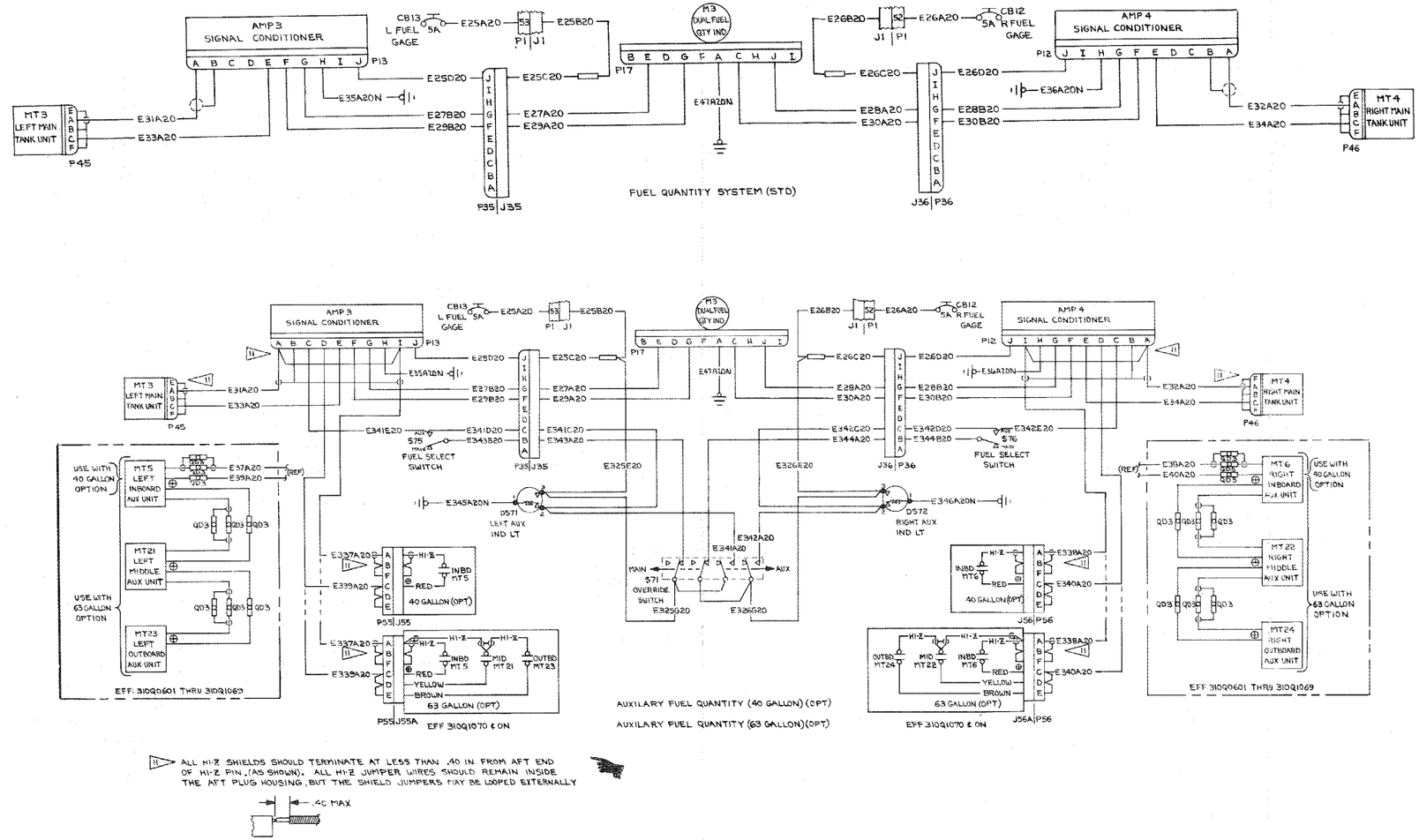
NOTE: 300 OR 500 NUMBERS PRECEDING AIRCRAFT WIRE NUMBERS ARE OPTIONAL (SEE NOTE ON PAGE 14-101.)

Cessna AIRCRAFT CO. P. O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: INTERIOR LIGHTING — (OPT)

SIZE	CODE IDENT. NO.	DRAWING NO
D	71379	0808080

SCALE NONE REV G SHEET 100 OF 160



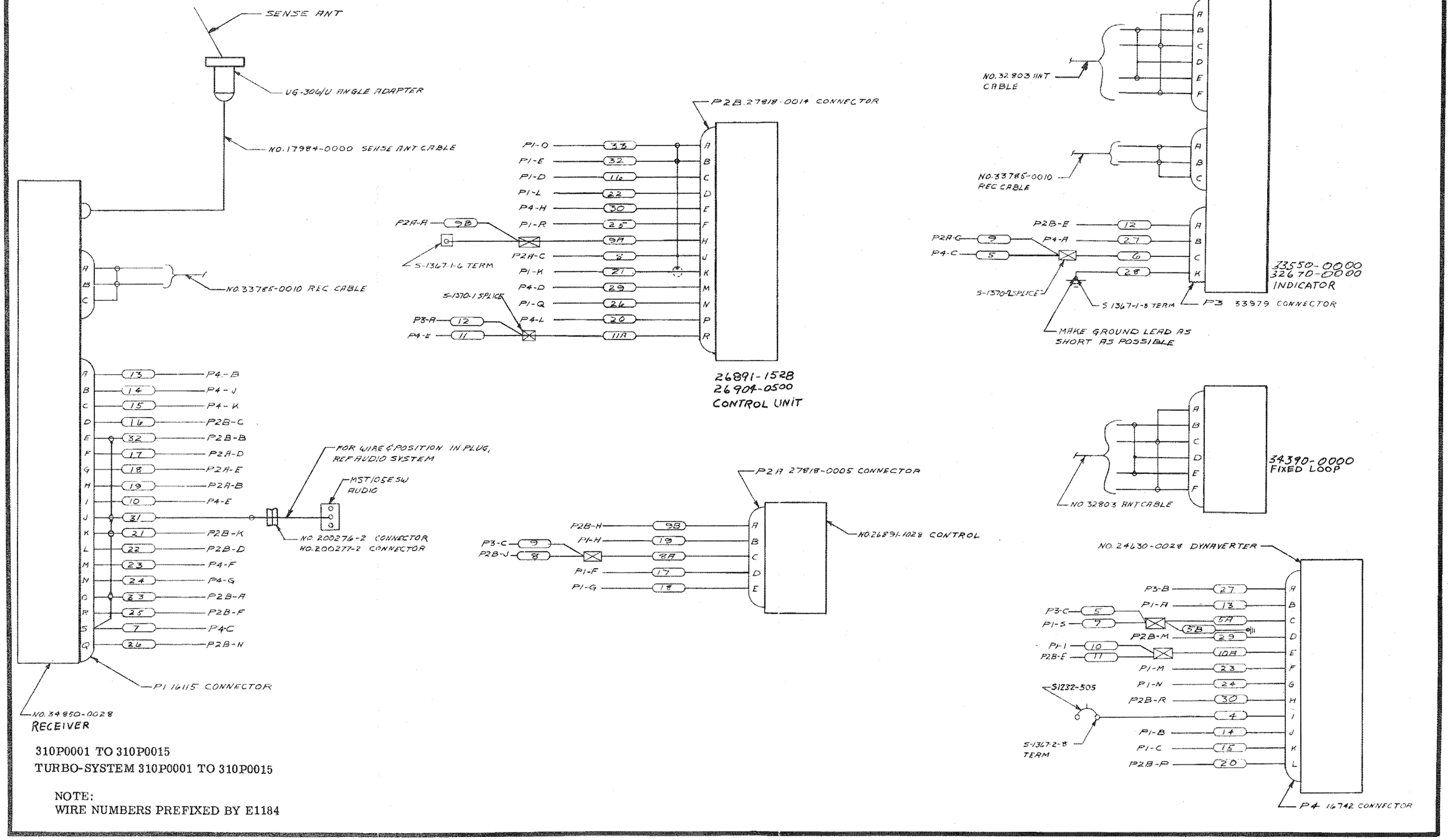
ALL HI-Z SHIELDS SHOULD TERMINATE AT LESS THAN .40 IN. FROM AFT END OF HI-Z PIN. (AS SHOWN). ALL HI-Z JUMPER WIRES SHOULD REMAIN INSIDE THE AFT PLUG HOUSING, BUT THE SHIELD JUMPERS MAY BE LOOPED EXTERNALLY

Cessna AIRCRAFT CO. P. O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: FUEL QUANTITY SYSTEM — STD & OPT (CAPACITANCE)

SIZE	CODE IDENT. NO.	DRAWING NO.
D	71379	0808080

SCALE: NONE REV G SHEET 10 OF 16



310P0001 TO 310P0015
TURBO-SYSTEM 310P0001 TO 310P0015

NOTE:
WIRE NUMBERS PREFIXED BY E1184

Figure 15-12. Cessna ADF 800

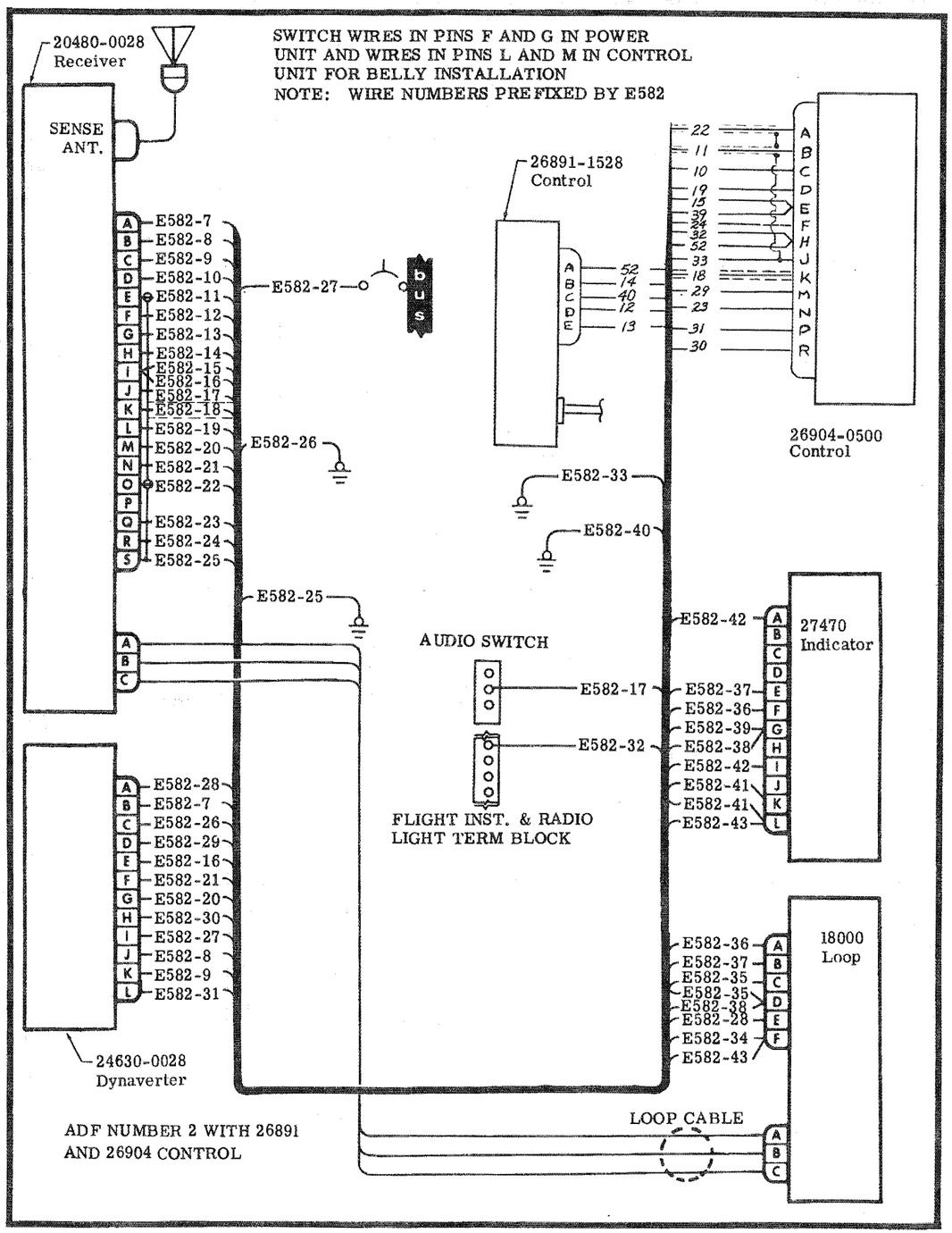


Figure 15-11. Cessna ADF 800 Rotatable Loop (Sheet 2 of 2)

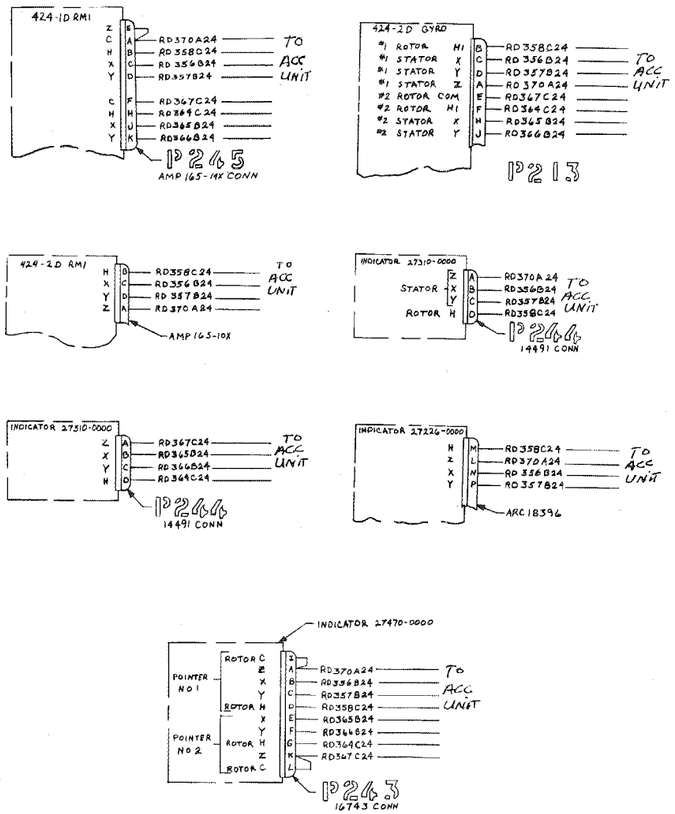
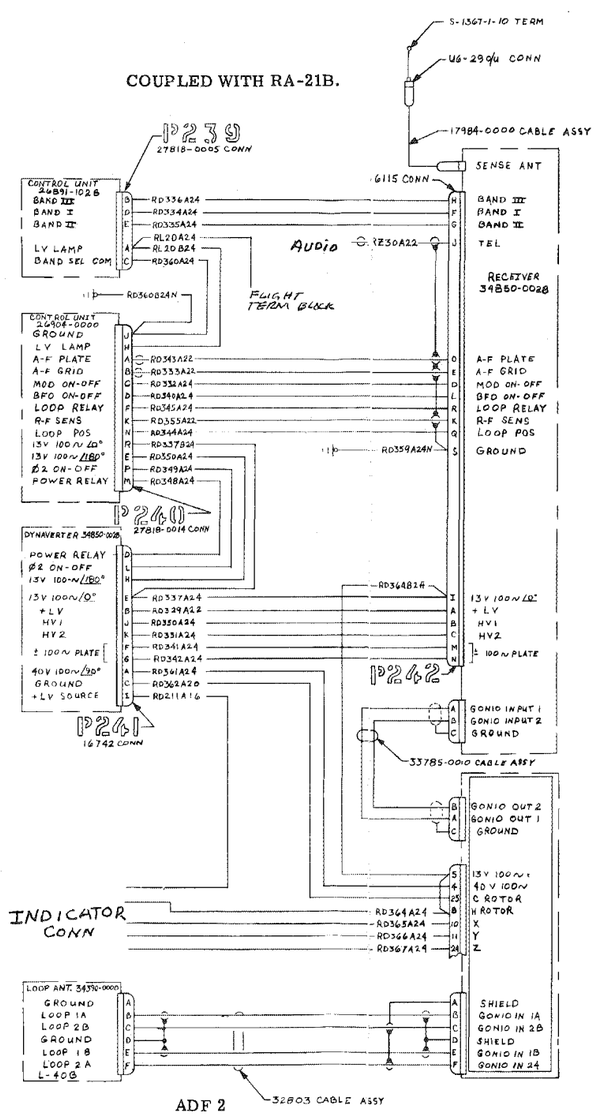


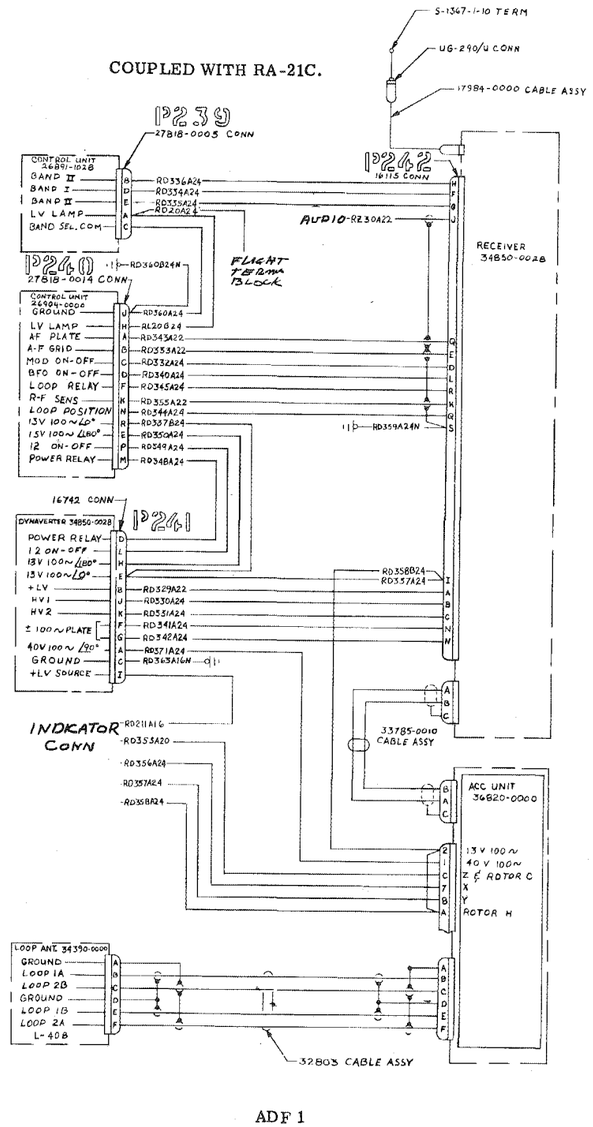
TABLE I TERM. CONNS. FOR ADF 1

WIRE COLOR		TOP LOOP		BOTTOM LOOP	
BODY	TCR	TOP SENSE	BOT SENSE	TOP SENSE	BOT SENSE
GY	BLK	18	18	19	19
GRN	BLK	19	19	18	18
RED	BLK	22	23	23	22
BRN	BLK	23	22	22	23

TABLE II TERM CONNS. FOR ADF 2

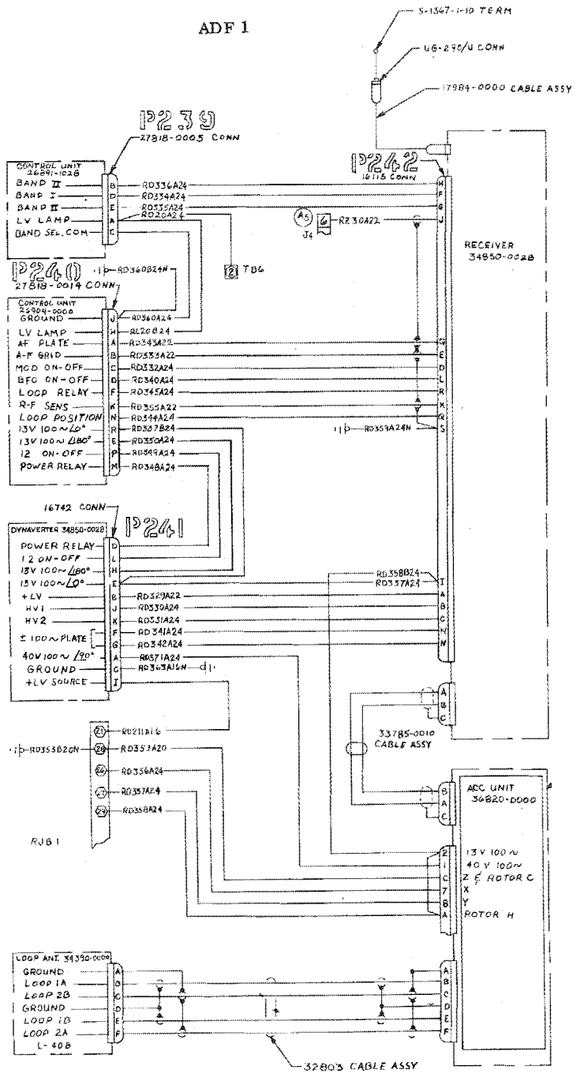
WIRE COLOR		TOP LOOP		BOTTOM LOOP	
BODY	TCR	TOP SENSE	BOT SENSE	TOP SENSE	BOT SENSE
GRN	BLK	16	16	17	17
GY	BLK	17	17	16	16
RED	BLK	12	13	13	12
BRN	BLK	13	12	12	-13



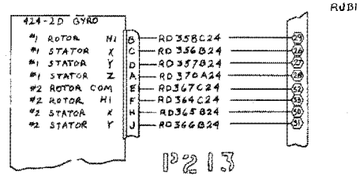


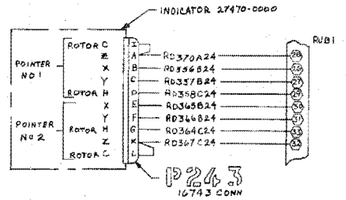
310P0015 AND ON
TURBO-SYSTEM 310P0015 AND ON

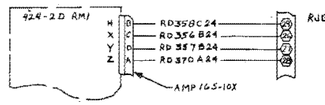
Figure 15-14. Cessna 800 Dual ADF

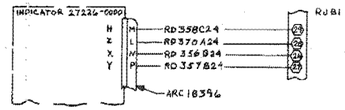


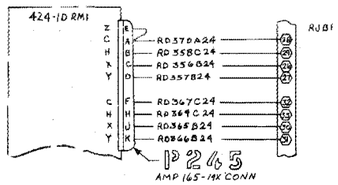
COUPLED WITH RA-21C.

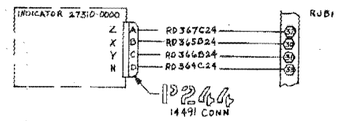












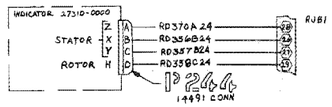


TABLE I TERM. CONNS. FOR ADF 1

WIRE COLOR		TOP LOOP		BOTTOM LOOP	
		TOP	BOT	TOP	BOT
BODY	TC#	SENSE	SENSE	SENSE	SENSE
GY	BLK	18	18	19	19
GRN	BLK	19	19	18	18
RED	BLK	22	23	23	22
BRN	BLK	23	22	22	23

310P0015 AND ON
TURBO-SYSTEM 310P0015 AND ON

Figure 15-13. Cessna 800 ADF

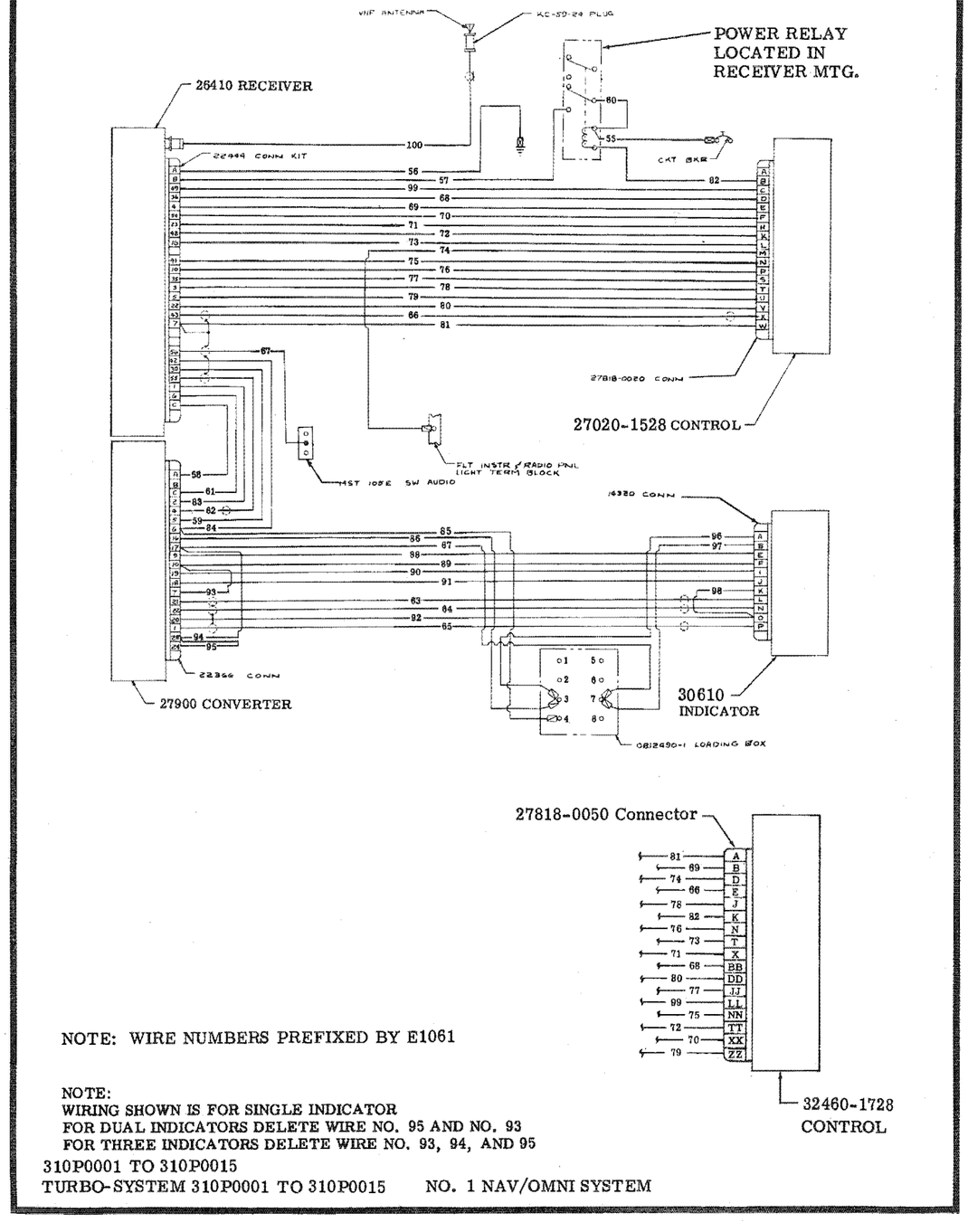
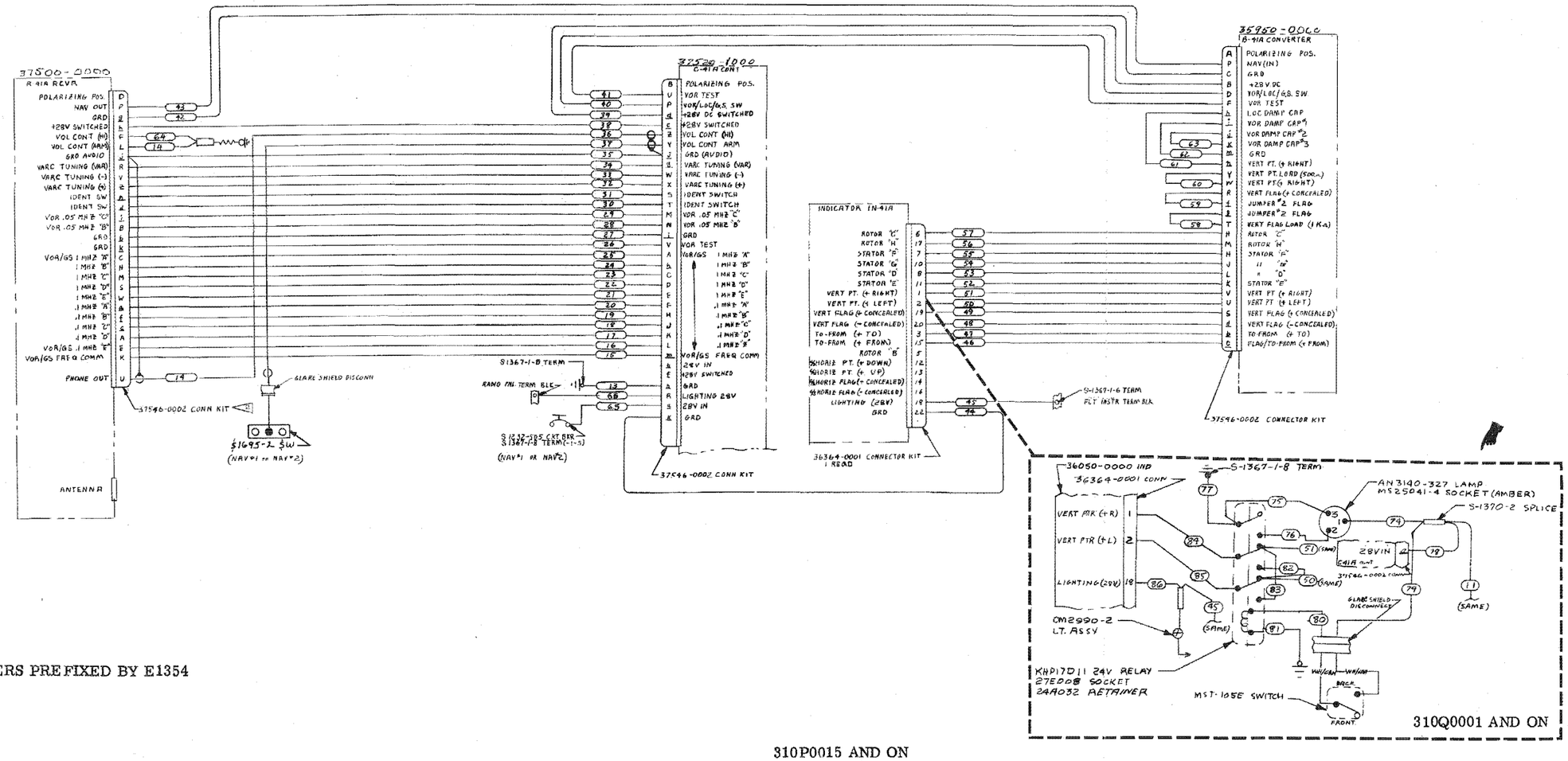


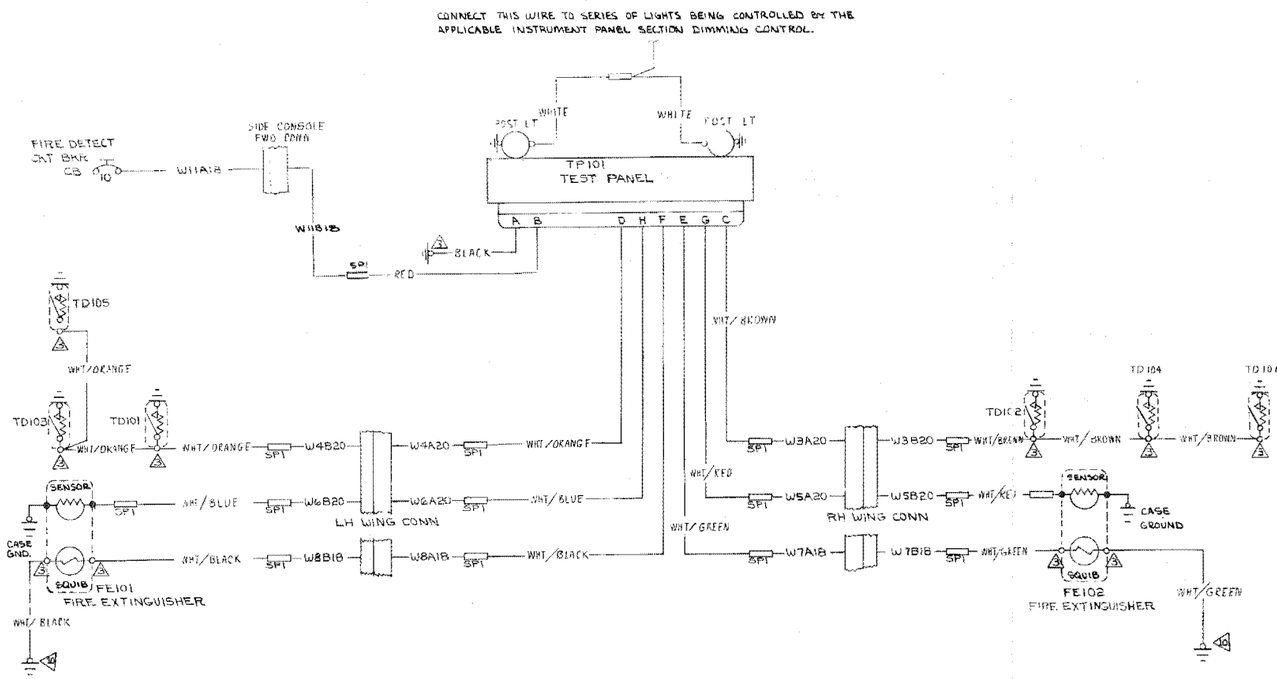
Figure 15-8. Cessna Nav/Omni 800 (560 Channel) (Sheet 1 of 2)



NOTE: WIRE NUMBERS PREFIXED BY E1354

310P0015 AND ON
TURBO-SYSTEM 310P0015 AND ON

Figure 15-7. Cessna Nav 800



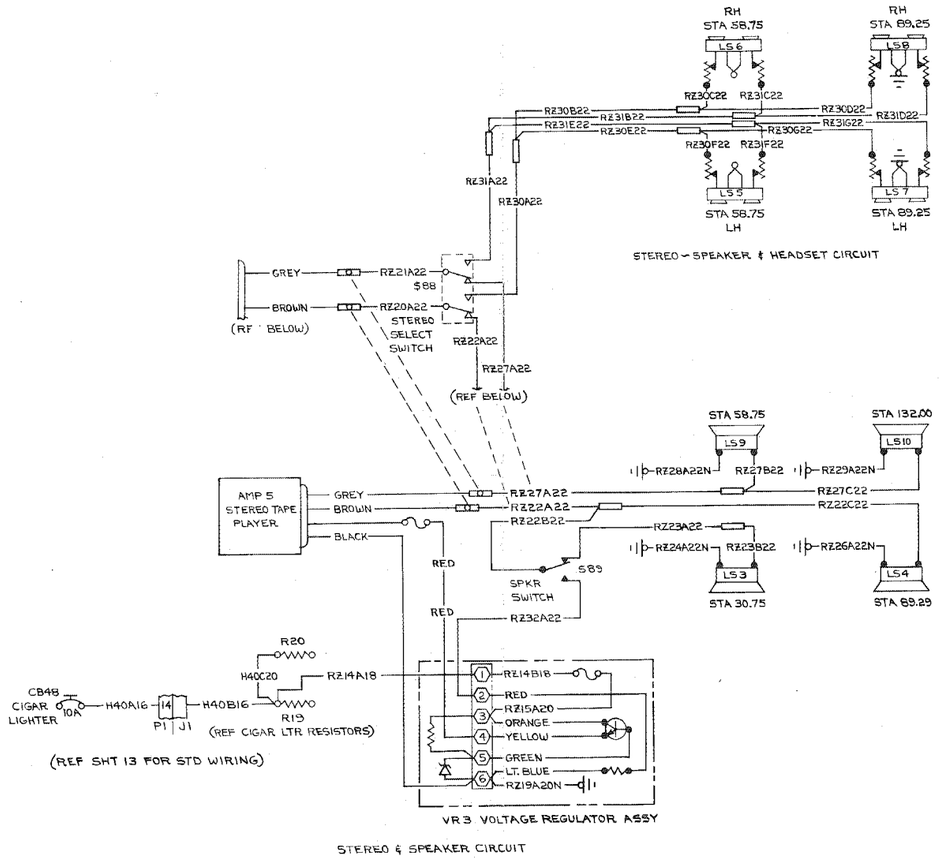
PARTS LIST		
SYMBOL	PART NO.	PART NAME
CB	7277-2-10	CIRCUIT BREAKER
FE101	30101101	FIRE EXTINGUISHER
FE102	30101101	FIRE EXTINGUISHER
SP1	S-1370-1	SPLICE
TD101	107-700	THERMAL DETECTOR
TD102	107-700	THERMAL DETECTOR
TD103	107-700	THERMAL DETECTOR
TD104	107-700	THERMAL DETECTOR
TD105	107-700	THERMAL DETECTOR
TD106	107-700	THERMAL DETECTOR
TP101	33370500	TEST PANEL

Cessna AIRCRAFT CO. P. O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: FIRE DETECT SYSTEM WIRING ASSY

SIZE	CODE IDENT. NO.		
D	71379	5118461 33370525	C

SCALE: NONE REF SHEET 1 OF 2



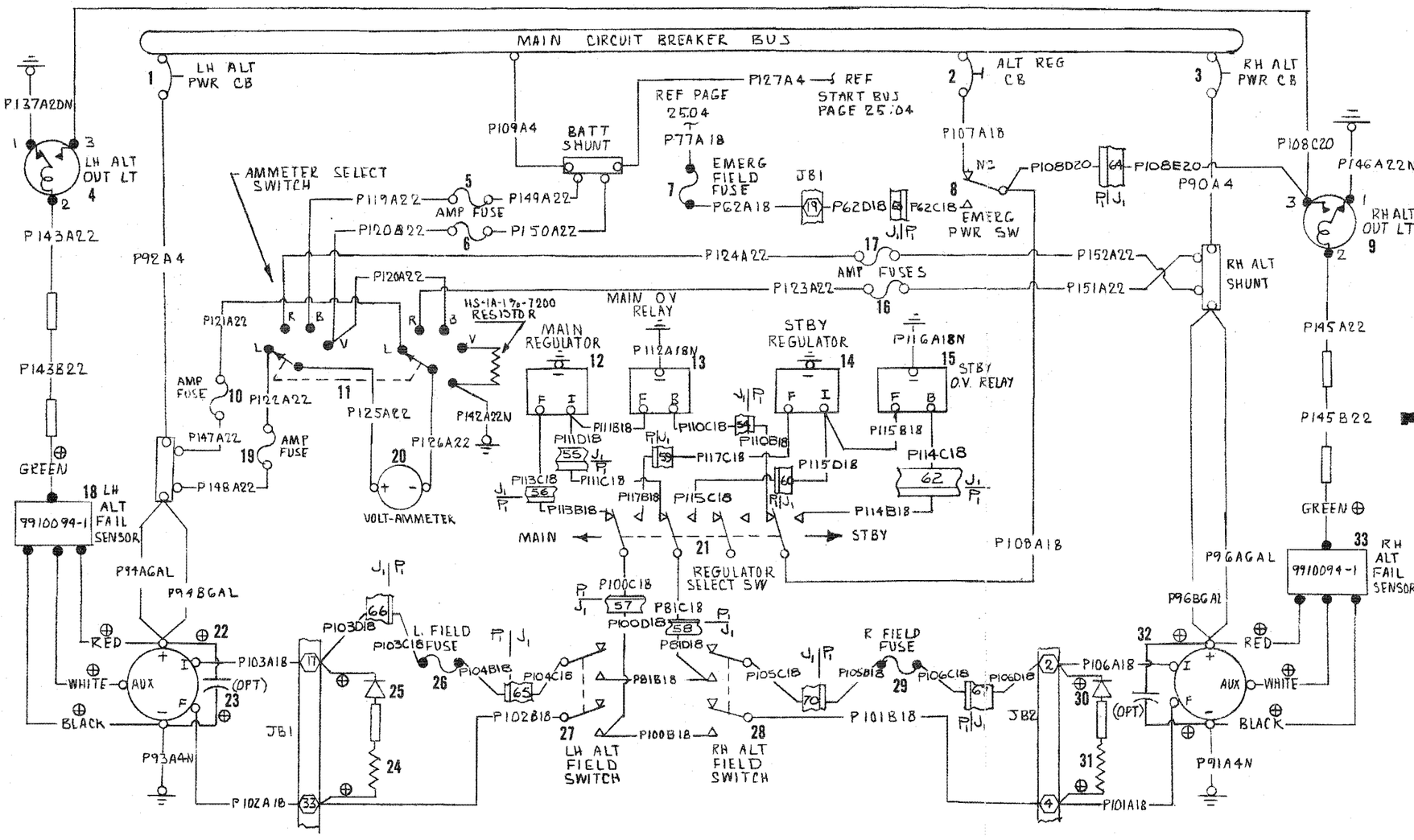
Cessna AIRCRAFT CO. P. O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: STEREO - SPEAKERS & HEADSETS

SIZE	CODE IDENT. NO.	DRAWING NO.
D	71379	0808080

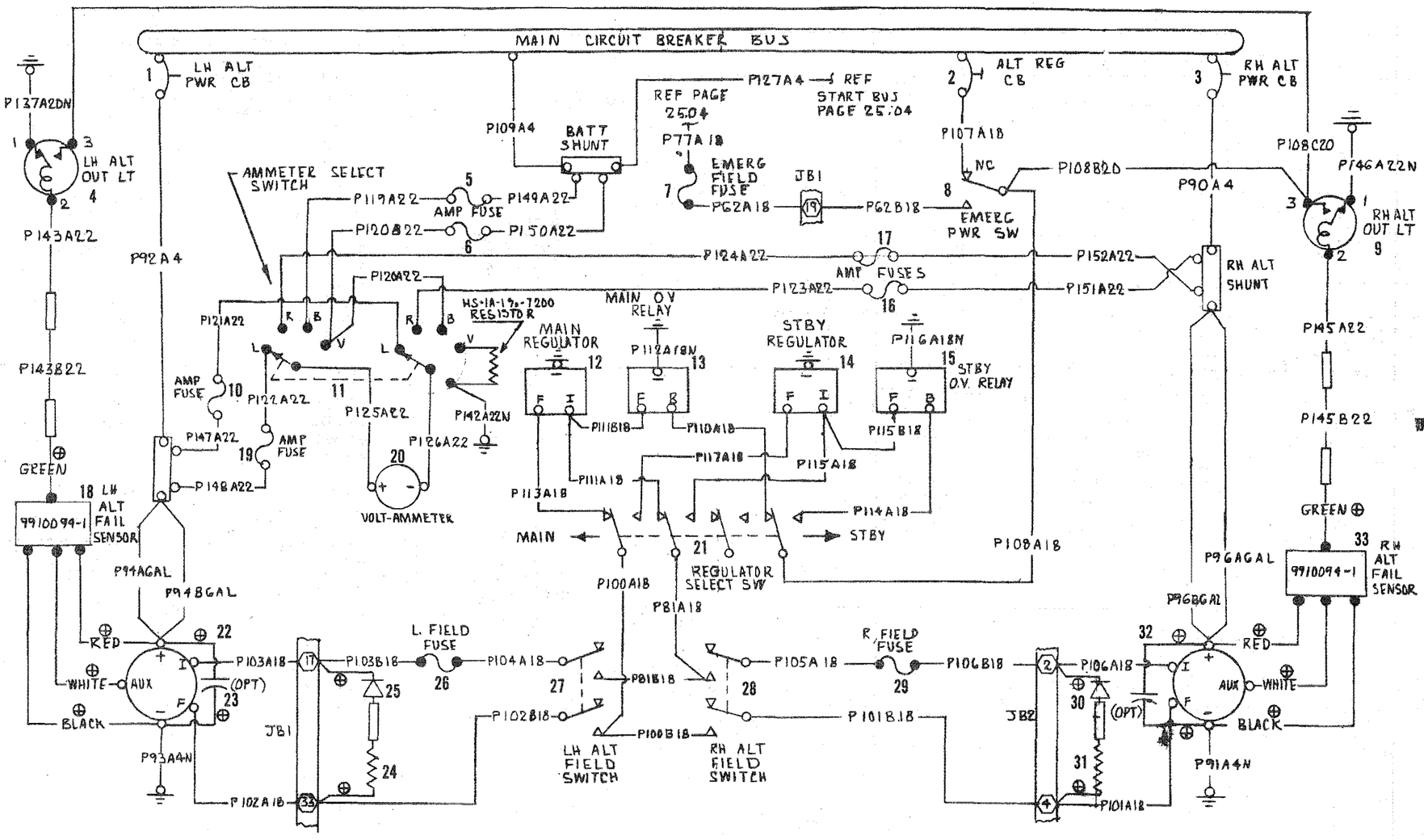
SCALE: NONE REF SHEET 16 OF 16

CESSNA AIRCRAFT CO WICHITA KANSAS	310Q MODEL	AB REV	0870090 DRAWING NO	52.06 PAGE
50/100 AMP ALTERNATOR & AMMETER SYSTEM				
EFF. SERIALS				



ITEM	PART NUMBER	NOMENCLATURE
1	45-2-S-N2 100 AMP	Circuit Breaker
2	S1232-510	Circuit Breaker
3	45-2-S-N2 100 AMP	Circuit Breaker
4	VM911M4	Alternator Out Lt LH
5	311005	Fuse
6	311005	Fuse
7	MTH-5	Fuse
8	S-392-3	Sw - Emer Power
9	VM911M4	Alternator Out Lt RH
10	311005	Fuse
11	0870176-1	Sw - Ammeter Select
12	635837	Voltage Regulator - Mn
13	138-3	Mn Overvoltage Relay
14	635837	Voltage Regulator - Stby
15	138-3	Stby Overvoltage Relay
16	311005	Fuse
17	311005	Fuse
18	991004-1	Alternate Fail Sensor LH
19	311005	Fuse
20	CM2664	Volt Ammeter
21	MS25127E3	Sw - Regulator Select
22	634692 634445 (Turbo)	Alternator LH
23		Capacitor
24	1K-1W	Resistor
25	IN4720	Diode
26	AGC2. 0	Fuse LH Field
27	MS35059-22	Sw - LH Alternator Field
28	MS35059-22	Sw - RH Alternator Field
29	AGC2. 0	Fuse - RH Field
30	IN4720	Diode
31	1K-1W	Resistor
32	63492 634445 (Turbo)	Alternator RH
33	991004-1	Alternator Fail Sensor RH

CESSNA AIRCRAFT CO WICHITA KANSAS	310Q MODEL	AB REV	0870090 DRAWING NO	52-05 PAGE
50/100 AMP ALTERNATOR & AMMETER SYSTEM				
EFF. SERIALS				



ITEM	PART NUMBER	NOMENCLATURE
1	45-2-S-N2 100 AMP	Circuit Breaker
2	S1232-510	Circuit Breaker
3	45-2-S-N2 100 AMP	Circuit Breaker
4	VM911M4	Alternator Out Lt LH
5	311005	Fuse
6	311005	Fuse
7	MTH-5	Fuse
8	S-392-3	Sw - Emer Power
9	VM911M4	Alternator Out Lt RH
10	311005	Fuse
11	0870176-1	Sw - Ammeter Select
12	635837	Voltage Regulator - Mn
13	138-3	Mn Overvoltage Relay
14	635837	Voltage Regulator Stby
15	138-3	Stby Overvoltage Relay
16	311005	Fuse
17	311005	Fuse
18	991004-1	Alternate Fail Sensor LH
19	311005	Fuse
20	CM2664	Volt Ammeter
21	MS25127E3	Sw - Regulator Select
22	634692	Alternator LH
	634445 (Turbo)	
23		Capacitor
24	1K-1W	Resistor
25	IN4720	Diode
26	AGC2.0	Fuse LH Field
27	MS35059-22	Sw - LH Alternator Field
28	MS35059-22	Sw - RH Alternator Field
29	AGC 2.0	Fuse - RH Field
30	IN4720	Diode
31	1K-1W	Resistor
32	63492	Alternator RH
	634445 (Turbo)	
33	991004-1	Alternator Fail Sensor RH

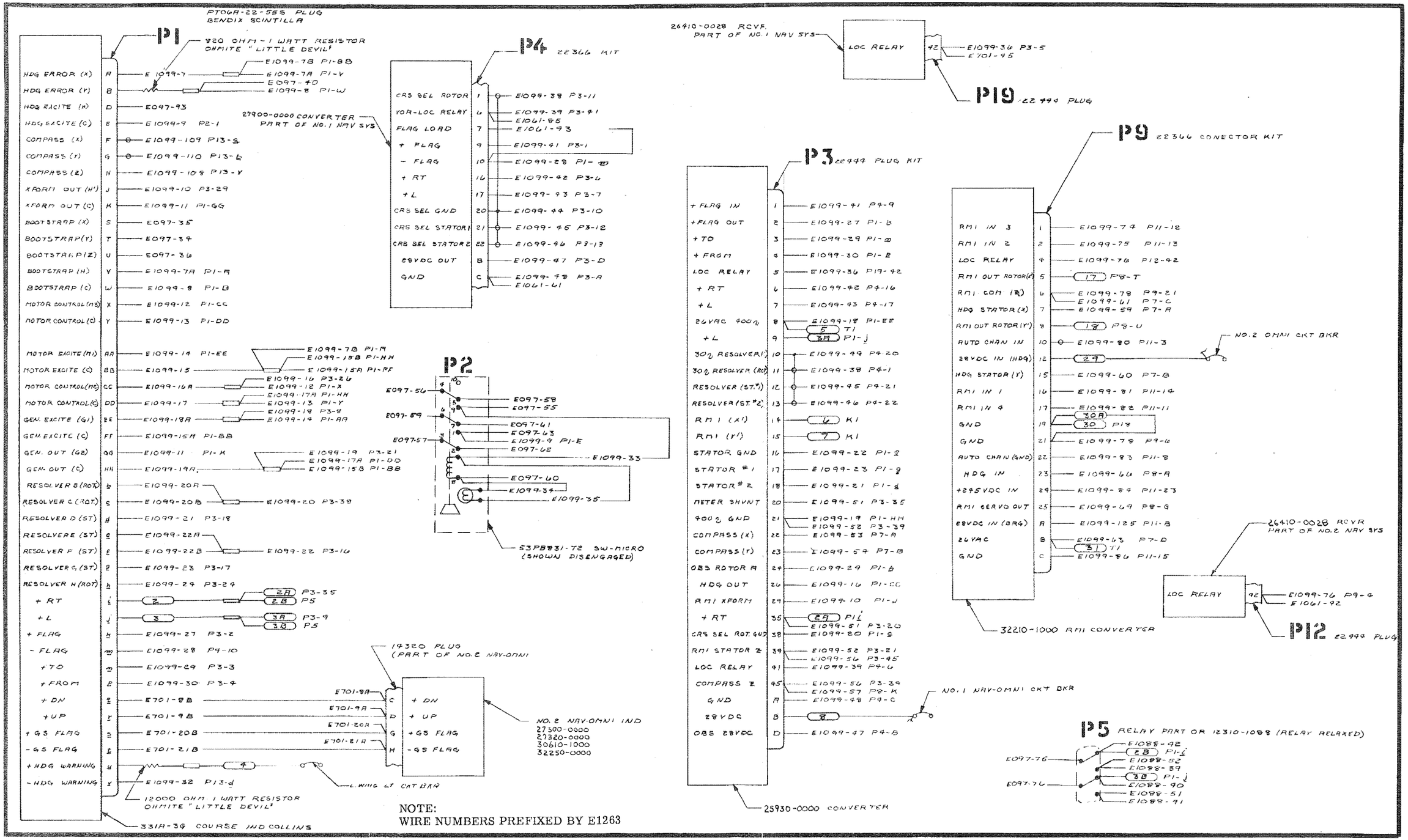
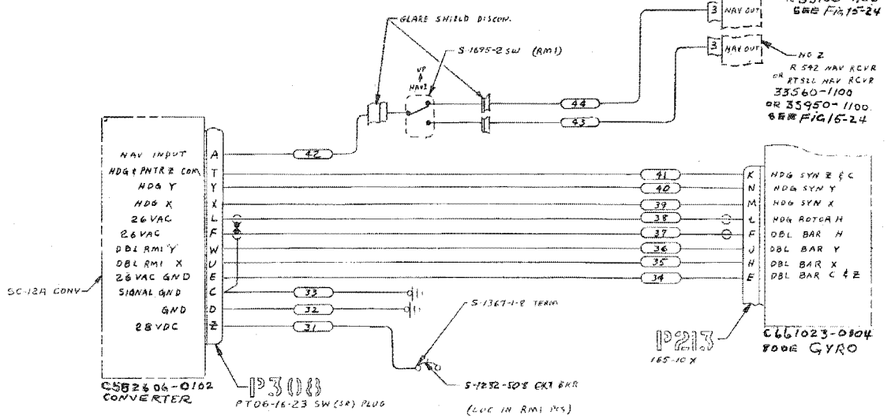
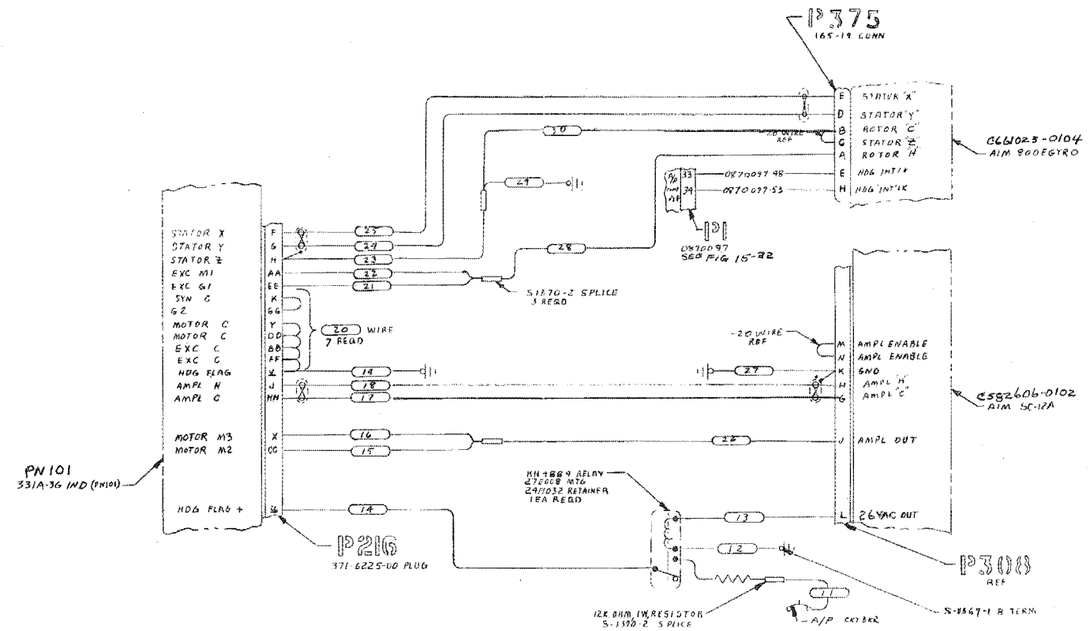


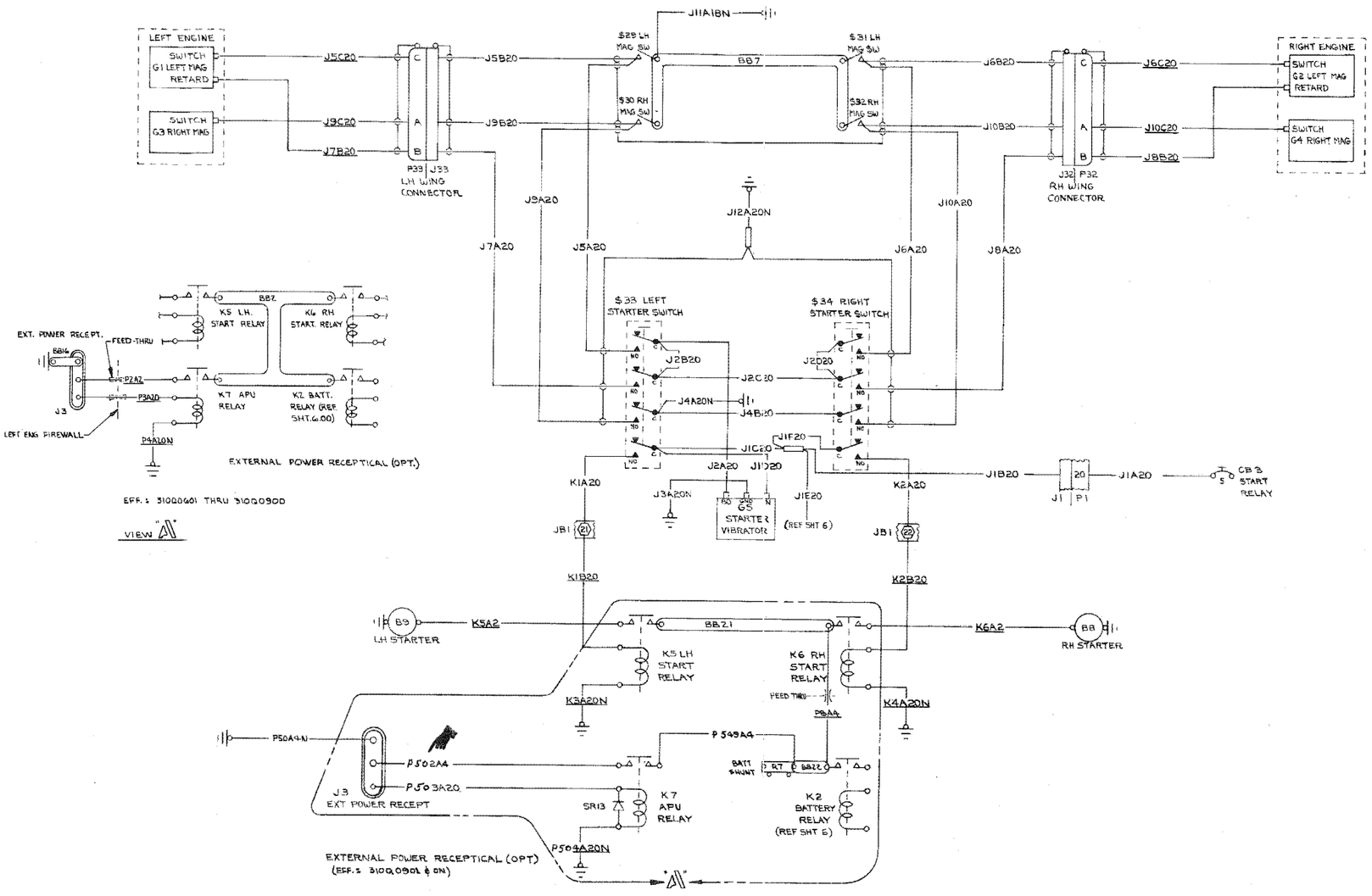
Figure 15-21. PN101 NAV System Coupled with C-14 Gyro and Cessna 800 RMI (Sheet 1 of 2)





NOTE: WIRE NUMBERS PREFIXED BY E1360

Figure 15-20. Cessna 800 RMI

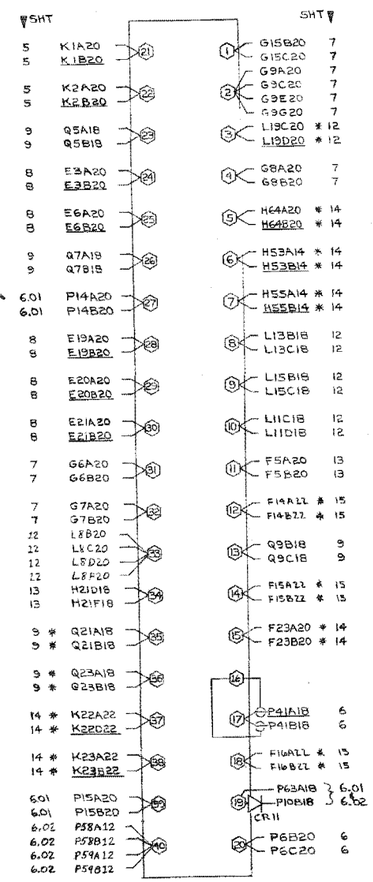


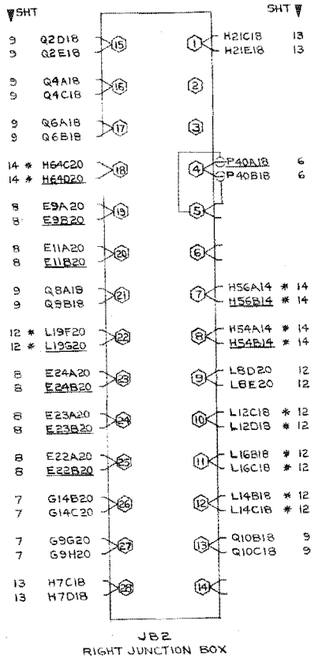
Cessna® AIRCRAFT CO. P. O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: STARTER, IGNITION & APU (OPT)

SIZE	CODE IDENT NO.	DRAWING NO.
D	71379	0808080

SCALE: NONE REF G SHEET 5 OF 16





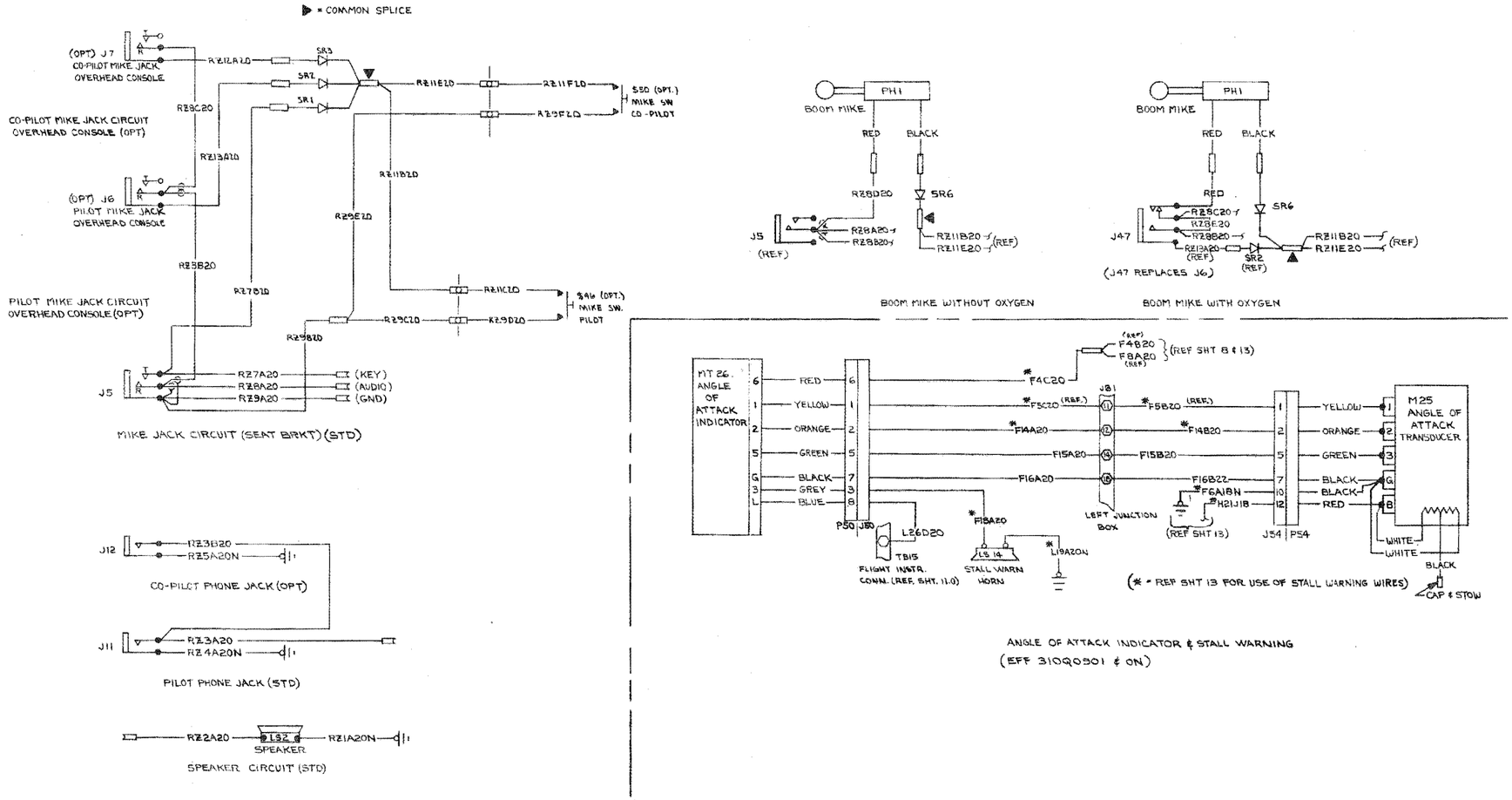
* DENOTES OPTIONAL CIRCUIT WIRES

Cessna AIRCRAFT CO. P.O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: TERMINAL BOARDS (JUNCTION BOX CONNECTIONS)

SIZE	CODE IDENT. NO	DRAWING NO.
D	71379	0808080

SCALE: NONE REF F SHEET 4 OF 16



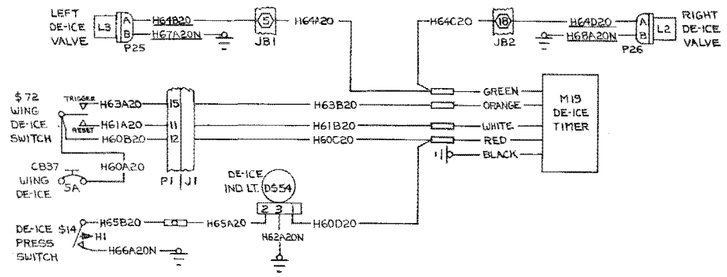
NOTE: 300 OR 500 NUMBERS PRECEDING AIRCRAFT WIRE NUMBERS ARE OPTIONAL (SEE NOTE ON PAGE 14-101.)

Cessna AIRCRAFT CO. P.O. BOX 1977 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

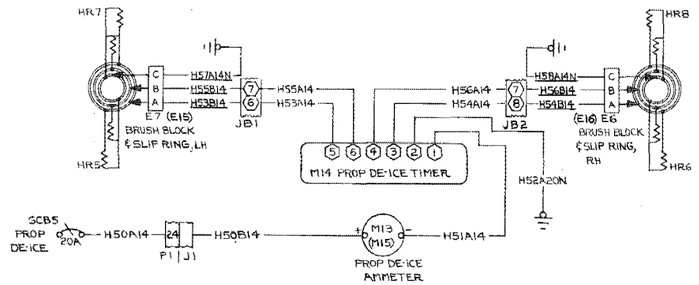
TITLE: SPEAKER, PHONE JACKS, MIKE JACKS, BOOM MIKE & ANGLE OF ATTACK

SIZE	CODE IDENT. NO.	DRAWING NO.
D	71379	0808080

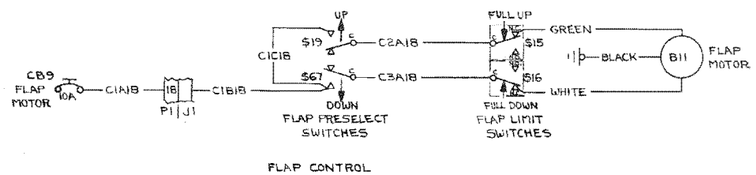
SCALE: NONE REF G SHEET 15 OF 16



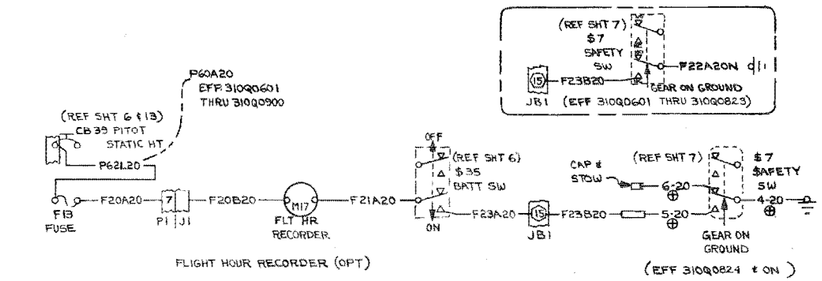
WING DE-ICE SYSTEM (OPT)



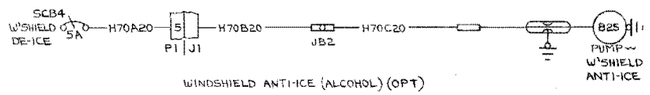
PROPELLER DE-ICE SYSTEM (OPT)
(ADD HR9 TO LH SLIP RING & HR10 TO RH SLIP RING FOR 3-BLADE PROPS)



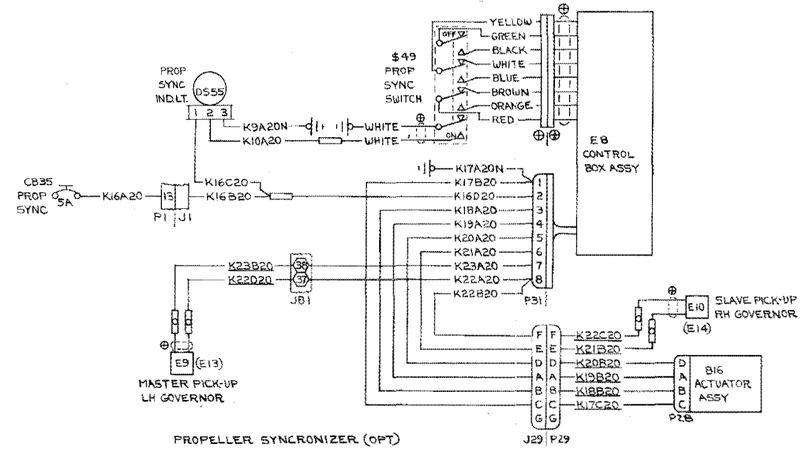
FLAP CONTROL



FLIGHT HOUR RECORDER (OPT)



WINDSHIELD ANTI-ICE (ALCOHOL) (OPT)



PROPELLER SYNCRONIZER (OPT)

NOTE: 300 OR 500 NUMBERS PRECEDING AIRCRAFT WIRE NUMBERS ARE OPTIONAL (SEE NOTE ON PAGE 14-101.)

Cessna AIRCRAFT CO. P. O. BOX 1972 MILITARY & TWIN DIVISION WICHITA, KANSAS 67201

TITLE: FLAP CONTROL, PROP SYNC - PROP DE-ICE, WING DE-ICE, W'SHIELD ANTI-ICE, FLT. HR. RCDR.

SIZE	CODE IDENT. NO.	DRAWING NO.
D	71379	0808080

SCALE: NONE REF G SHEET 14 OF 16

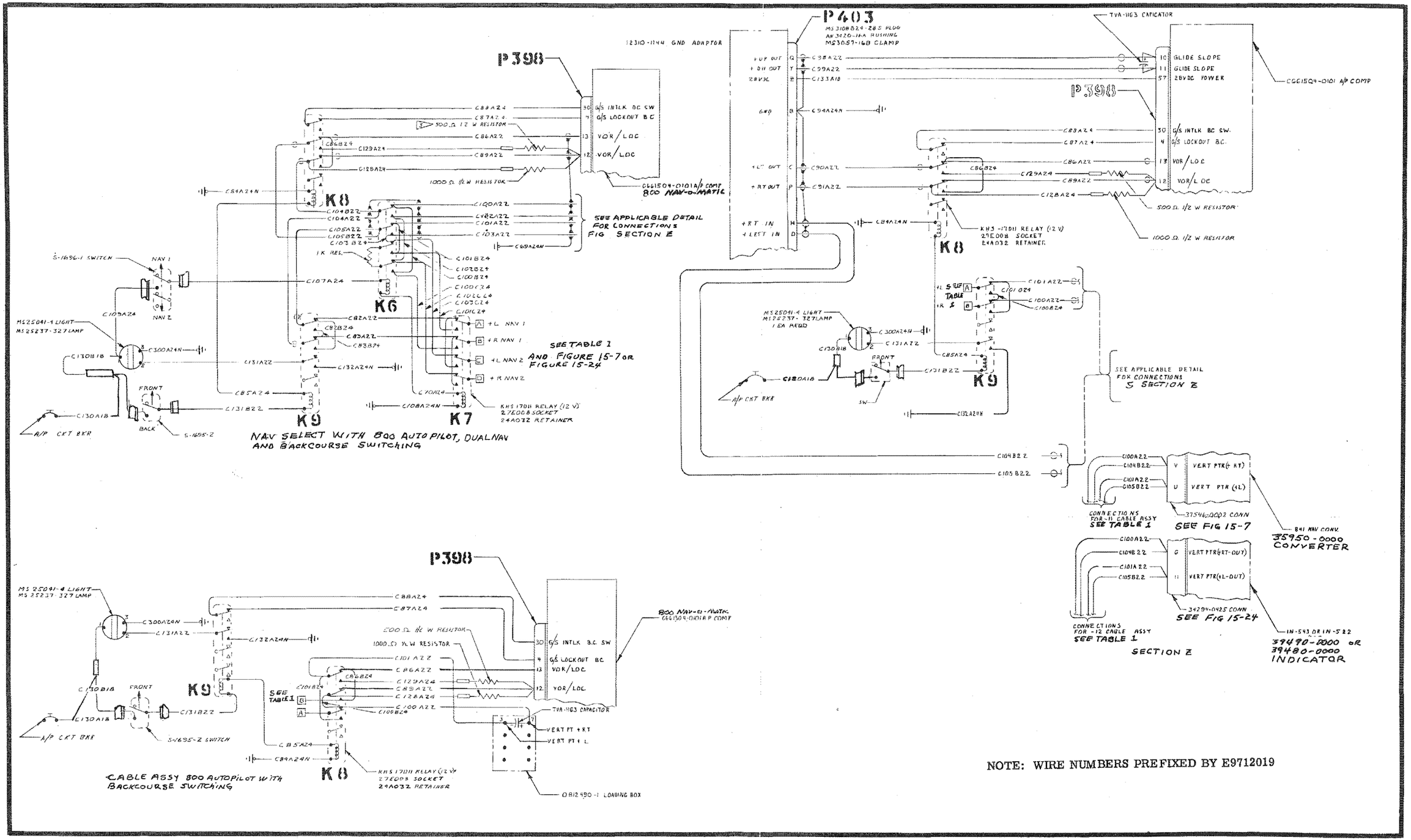


Figure 15-22A. Cessna 800 Nav-O-Matic with Nav Selection and Backcourse Switching (Sheet 2 of 2)

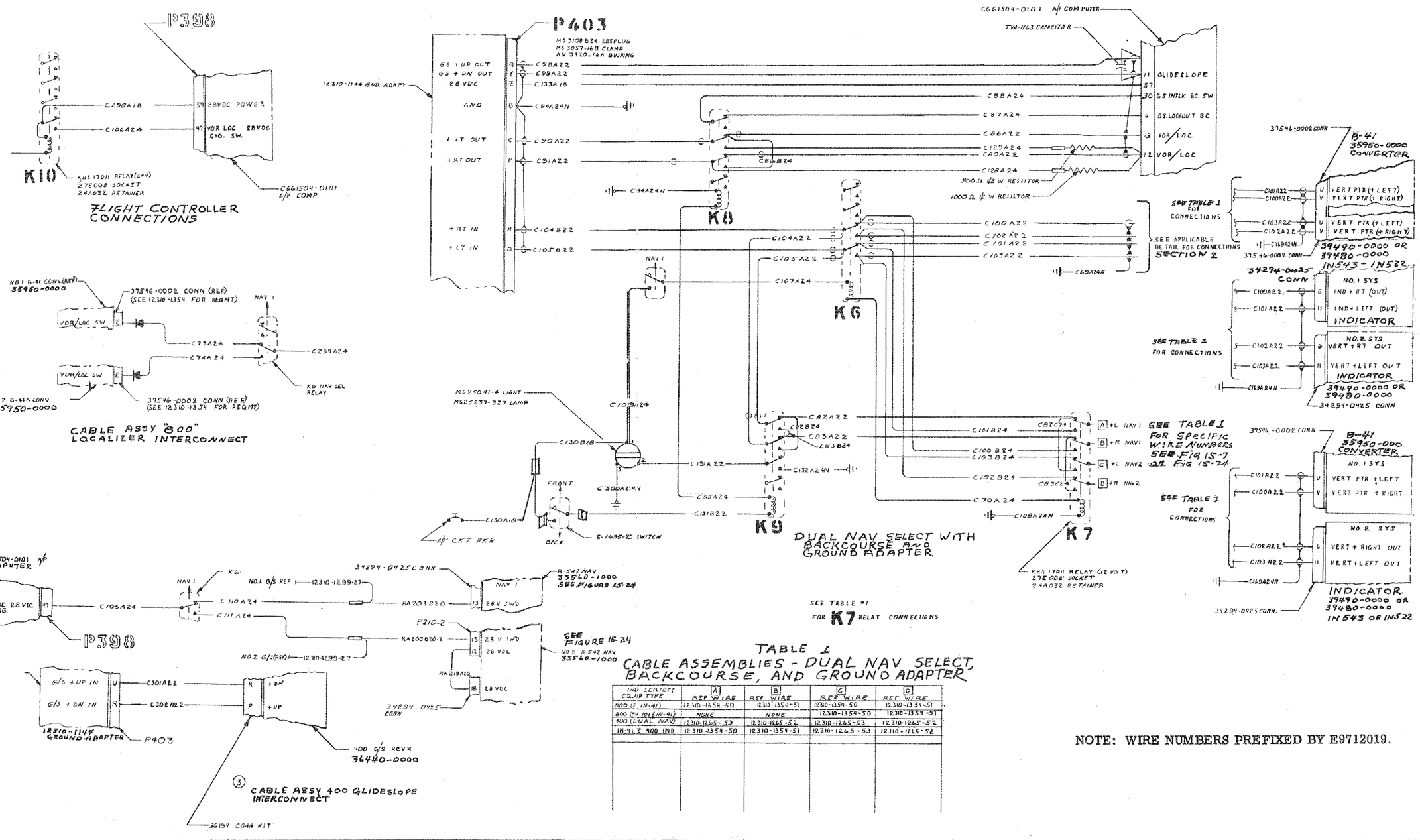


TABLE 1
CABLE ASSEMBLIES - DUAL NAV SELECT, BACKCOURSE, AND GROUND ADAPTER

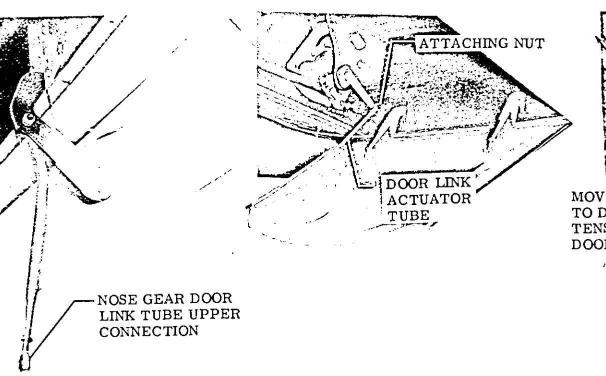
IND SERIES/ EQUIP TYPE	A REF WIRE	B REF WIRE	C REF WIRE	D REF WIRE
800 (E, IN-41)	12310-1354-50	12310-1354-51	12310-1354-50	12310-1354-51
800 (*1-101 & IN-41)	NONE	NONE	12310-1354-50	12310-1354-51
400 (DUAL NAV)	12310-1265-53	12310-1265-52	12310-1265-53	12310-1265-52
IN-41 & 400 IND	12310-1354-50	12310-1354-51	12310-1265-53	12310-1265-52

NOTE: WIRE NUMBERS PREFIXED BY E9712019.

Figure 15-22A. Cessna 800 Nav-O-Matic with Nav Selection and Backcourse Switching (Sheet 1 of 2)

start here

Detail A DISCONNECTING Landing Gear Doors



1. Disconnect nose and main landing gear doors.

CAUTION

When disconnecting the landing gear doors, always run the landing gear up approximately 20 to 30 degrees and disconnect main gear door by removing attaching nut from actuator arm. On the nose gear doors always disconnect the door link tube from the upper connection to prevent the possibility of connecting lower connector to the wrong side of the bellcrank.

--READ THIS-- BEFORE STARTING INSPECTION

NOSE AND MAIN LANDING GEAR RIGGING INSPECTION.

The nose and main landing gear rigging inspection should be performed indoors with proper jacks, 28 volt power supply, 0 to 150 pound spring scale and an 0880001 actuator arm tension tool available.

The aircraft should be placed on jacks, the necessary access plates, seats, cabin divider, carpets, floorboards removed, and the landing gears cleaned with a suitable solvent prior to inspection. Step by step procedures are presented and each step must be completed before performing the next step.

NOTE

The operational checks and tension measurements requirements of this inspection will require the services of two people.

CAUTION

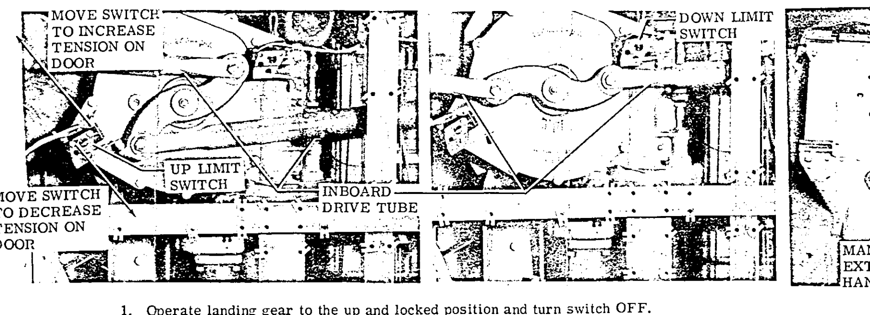
- When operating the landing gear always be prepared to stop to prevent damage to the system.
- After removal of retraction linkage, assist springs or component parts for checking, they must be reinstalled before proceeding to the next step.

The Landing Gear Rigging Inspection is given in alphabetical and/or alphanumerical sequence. The alphabetical details are the items to be checked. The alphanumerical detail is the related adjustment performed only when adjustment is necessary. The following table lists the details and the related adjustment to be checked.

TABLE I

Check	Adjustment If Required
Detail A	---
Detail B	---
Detail C	---
Detail D	D-1
Detail E	E-1
Detail F	---
Detail G	G-1
Detail H	H-1
Detail J	J-1
Detail K	K-1
Detail L	L-1
Detail M	---
Detail N	N-1 - N-2
Detail P	---
Detail Q	Q -1

Detail B CHECKING Up and Down Limit Switches



1. Operate landing gear to the up and locked position and turn switch OFF.
2. Engage manual extension crank and note the angular position of the crank handle.
3. Turn handle (CCW) AFT until the internal up stop in the actuator is reached.

NOTE

The internal stop should be reached in approximately 3/4 to 1-1/2 turns.

4. If the internal stop is not reached in 3/4 to 1-1/2 turns, run landing gear down and disconnect inboard main drive tube (D-1). Adjust up limit switch until the correct number of turns are obtained.

NOTE

Each time the actuator switches are adjusted the landing gear must be operated approximately half way down then back up before noting the number of turns required to reach the internal stop.

5. Operate the landing gear to the down and locked position.
6. Engage manual extension crank and note the angular position of the crank handle.
7. Turn handle (CW) FWD until the internal down stop in the actuator is reached.

NOTE

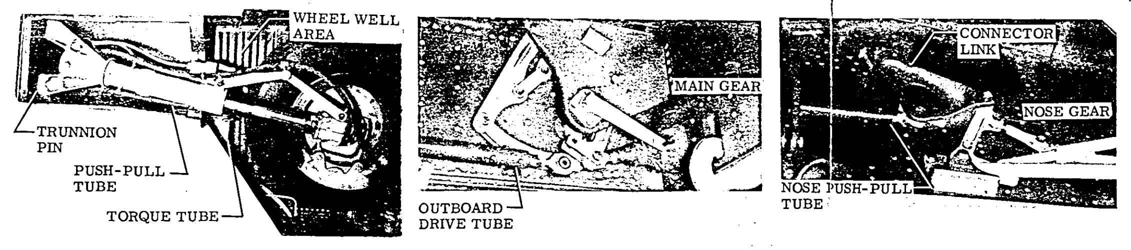
The internal stop should be reached in approximately 1 to 2 turns.

8. If the internal stop is not reached in 1 to 2 turns the landing gear actuator down limit switch must be adjusted until the proper number of turns are obtained.

CAUTION

During manual extension of the landing gear, never release the manual extension crank, damage could result to personnel and the skirt of the pilot's seat.

Detail C CHECKING Drive Tubes, Trunnions, Retracting Linkage, and Wheel Well Area



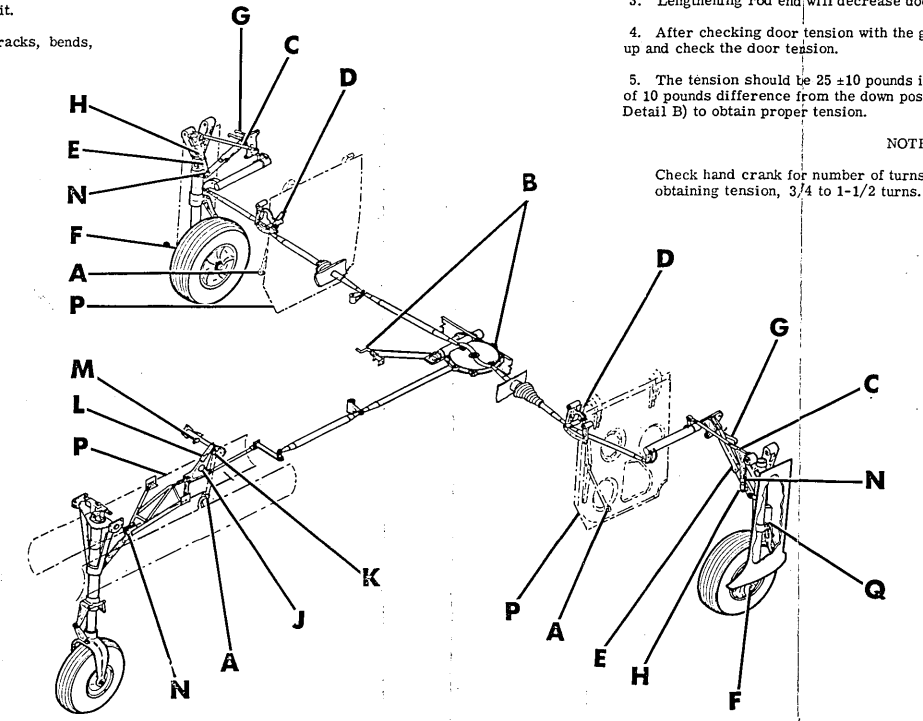
1. Check the operation of the landing gear. Visually inspect drive tubes, idlers, trunnions, and wheel well area for nicks, cracks, dents, bends, looseness, wear and other visual damage.

NOTE

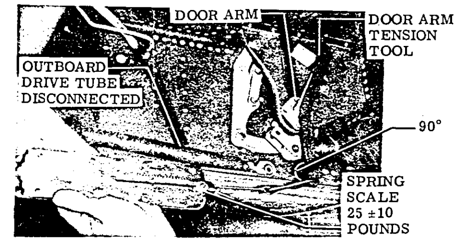
If any part of the landing gear system is questionable, do not hesitate to reject it.

2. Inspect the landing gear retraction linkage for excessive wear, looseness, dents, cracks, bends, and deep scratches.

3. Check main gear trunnion roll pin in pivot shaft for looseness.

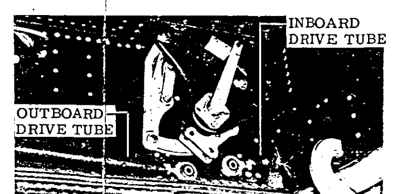


Detail D CHECKING Main Gear Door Arm Tension



1. Check main gear doors for tension as shown 25 ±10 pounds.

Detail D-1 ADJUSTING Main Gear Door Arm Tension



1. If the main gear door tension is not 25 ±10 pounds, adjust inboard drive tube rod end in half turn increments to obtain proper tension.

2. Shortening rod end will increase door tension (CCW).

3. Lengthening rod end will decrease door tension.

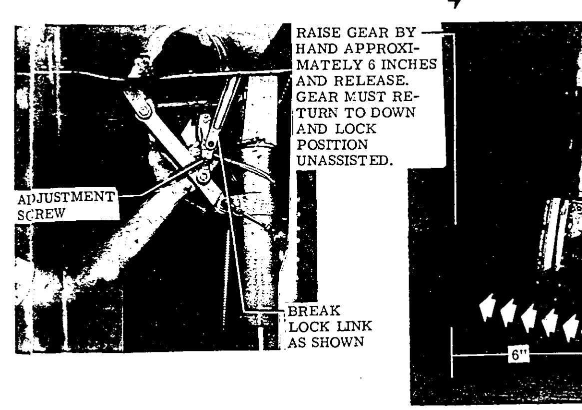
4. After checking door tension with the gear down, run the landing gear up and check the door tension.

5. The tension should be 25 ±10 pounds in the up position and a maximum of 10 pounds difference from the down position. Adjust up limit switch (see Detail B) to obtain proper tension.

NOTE

Check hand crank for number of turns to internal stop after obtaining tension, 3/4 to 1-1/2 turns.

Detail E CHECKING Main Landing Gear Free Fall



1. Check main gear free fall by breaking main lock links as shown, raise gear approximately six (6) inches by hand, then release.

NOTE

When checking main gear for free fall the outboard drive tube must be disconnected as shown in Detail D.

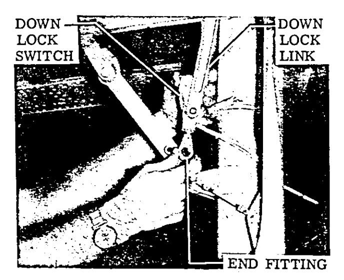
2. If the gear does free fall down and locked, disconnect end fitting and lengthen 1/2 turn, reconnect and check free fall.

NOTE

Lengthen end fitting in 1/2 turn increments until the gear will not free fall down and locked.

3. If the gear does not free fall to a down and lock position, visually check the following:
   a. Drive tubes for bends, breaks, binding and damage.
   b. Trunnion bolts for seizing, binding, alignment and lubrication.
   c. Lock link brace for alignment, overcenter travel, bending and breaks.
   d. Side brace for proper overcenter engagement, bolts for proper torque, (refer to Torque Chart, Section 1).
   e. Bolts in wheel well area for binding and interference.

Detail E-1 ADJUSTING Main Landing Gear for Free Fall



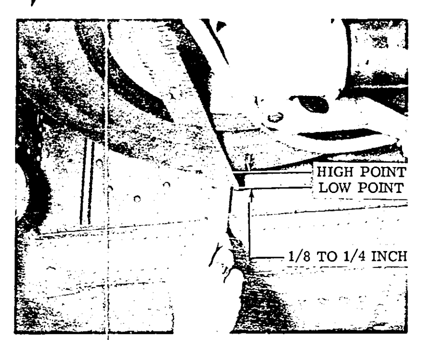
4. If Items "a" thru "e" check satisfactorily, shorten adjusting screw in small increments until gear will free fall down and locked.

NOTE

Shorten adjustment screw in small increments to allow gear to free fall and the side brace, down links to go overcenter. Check safety and secure.

5. After adjusting, make sure the landing gear is down and locked and the down and lock indicator light is properly adjusted. (See Detail N.)

Detail F CHECKING Landing Gear Drop Off



1. (See Detail G-1.) Disconnect uplock push-pull tube.

2. Operate landing gear up and measure drop off as shown.

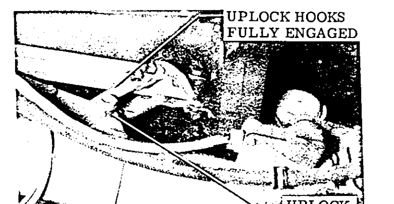
3. If drop off is not 1/8 to 1/4 inches refer to Detail D-1 and adjust outboard drive tube.

NOTE

Lengthen the outboard drive tube to decrease the amount of drop off. Shorten the outboard drive tube to increase drop off.

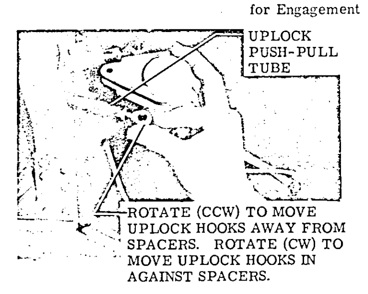
4. Reconnect uplock hooks.

Detail G CHECKING Uplock Hooks for Engagement



1. Inspect main gear uplock hooks for proper engagement, when gear is retracted.

Detail G-1 ADJUSTING Uplock Hook for Engagement



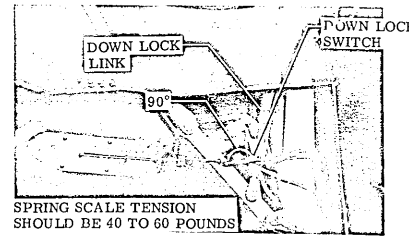
1. If the main gear uplock hooks do not engage properly adjust the uplock hooks until the hooks make full contact with the surface of the spacers.

2. Lengthening the uplock push-pull tube (CCW) will move the uplock hooks away from the spacers.

3. Shortening the uplock push-pull tube will pull the uplock hooks in closer to the spacers.

4. After adjustment the uplock hooks must engage and disengage freely with no binding.

Detail H CHECKING Down Lock Tension

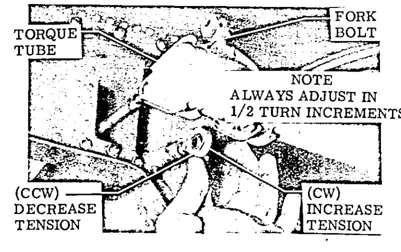


1. Inspect main landing gear down lock for proper engagement and tension (40 to 60 pounds).

NOTE

When checking down lock tension always place finger on the down lock switch, pull scales at a right angle to the lock link and read scale at the point when a definite switch actuation is felt.

Detail H-1 ADJUSTING Down Lock Tension

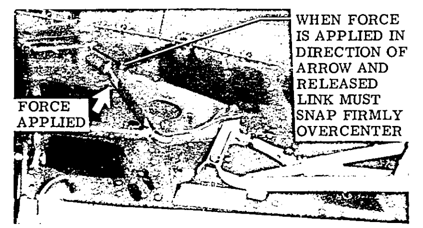


1. If the down lock tension is not 40 to 60 pounds, adjust outboard drive tube in one half turn increments until proper tension is obtained. If the down lock tension is in excess of 60 pounds the down lock tension should be rigged 40 to 50 pounds. Lengthening the outboard drive tube (CCW) decreases and shortening the outboard drive tube (CW) increases tension.

NOTE

When shortening or lengthening the outboard push-pull tube the fork bolt must be lengthened or shortened a corresponding amount of turns so that the combined length of the two parts does not change.

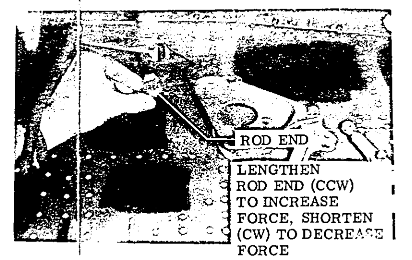
Detail J CHECKING Nose Gear Connector Link for Overcenter Travel



1. See Detail L-1 and disconnect drive tube.

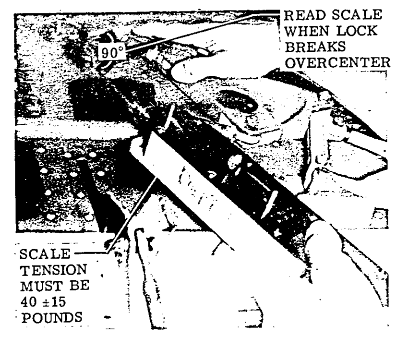
2. Inspect nose gear connector link for proper overcenter adjustment.

Detail J-1 ADJUSTING Nose Gear Connector Link for Overcenter Travel



1. If the nose gear connector link is not snapping overcenter properly adjust rod end as shown.

Detail K CHECKING Nose Gear Down Lock Tension

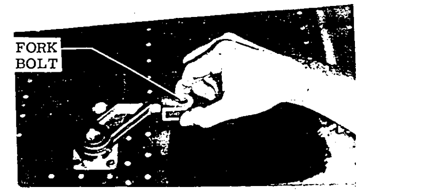


1. Connect nose push-pull tube. (See Detail L-1.)

2. Inspect nose gear down lock tension (40 ±15 pounds).

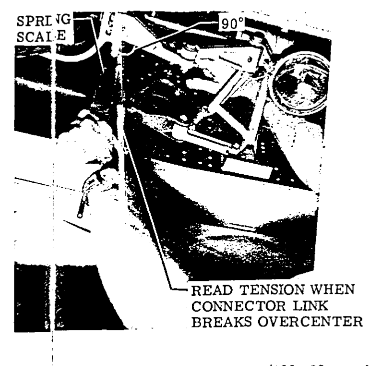
3. If the nose gear down lock tension is not 40 ±15 pounds, make sure the nose gear fork bolt is properly adjusted (K-1).

Detail K-1 ADJUSTING Fork Bolt



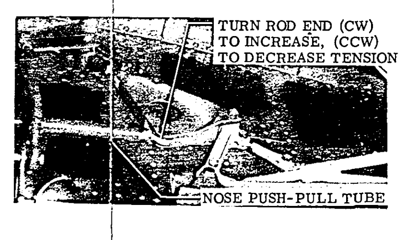
2. Adjust fork bolt in half turn increments. Lengthen (CCW) fork bolt to increase down lock tension. Shorten (CW) to decrease tension.

Detail L CHECKING Nose Gear Uplock Tension



1. Inspect nose gear uplock tension (100 ±20 pounds).

Detail L-1 ADJUSTING Nose Gear Uplock Tension

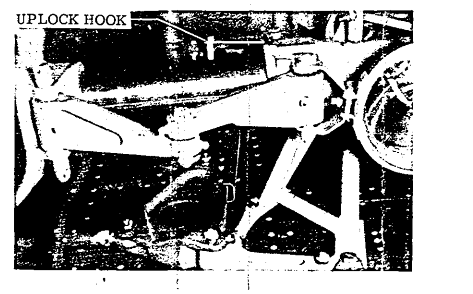


1. If the nose gear uplock tension is not 100 ±20 pounds, adjust nose push-pull tube in half turn increments.

2. Lengthen the nose push-pull tube (CCW) to decrease the uplock tension.

3. Shorten nose push-pull tube to increase (CW) uplock tension.

Detail M CHECKING Nose Gear Uplock Engagement

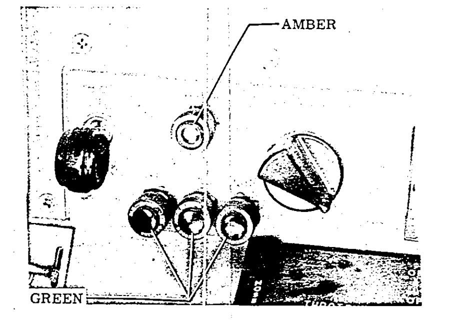


1. Inspect nose gear uplock for proper engagement.

2. Uplock hook must be fully engaged with hook against the nose strut bolt and spacer engages and disengages freely with no binding.

3. Uplock hook must be engaged with .003 to .060 inches clearance between the spacer on the nose strut and surface of the hook.

Detail N CHECKING Gear Down Indicator Light Switches for Proper Adjustment



1. Retract landing gear approximately halfway.

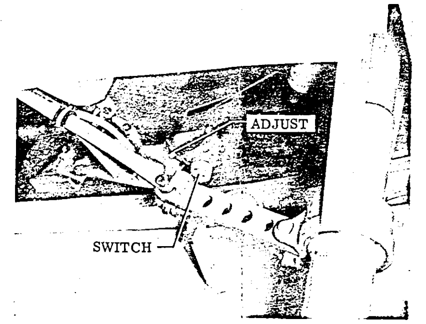
2. Engage manual extension handle (see Detail B). Crank toward the down position and stop when green light comes on. Note the angular position of the manual extension handle.

3. Check applicable gear of illuminated light for being down and locked with the overcenter linkage overcenter.

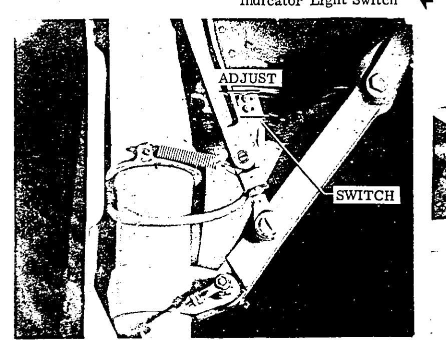
4. Resume cranking toward the down position noting the number of turns required to reach the internal stop in the actuator.

5. The number of turns required to reach the internal stop should not be less than 8 or more than 14 for the nose gear. Not less than 4 or more than 8 on the main gear.

Detail N-1 ADJUSTING Nose Gear Down Indicator Light Switch



Detail N-2 ADJUSTING Main Landing Gear Down Indicator Light Switch



1. If the indicator lights do not illuminate within the required number of turns or the overcenter linkage is not overcenter when the lights illuminate make the following adjustments.

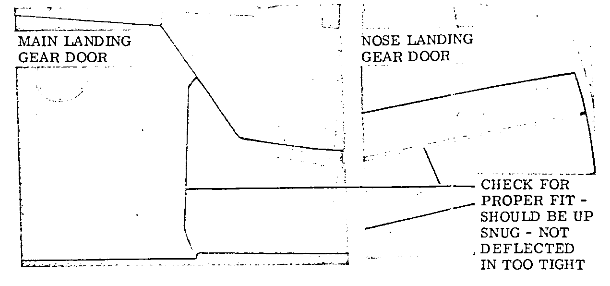
2. Adjust the nose gear down and locked indicator light switch by adjusting the switch actuating bolt. Turn bolt CCW to actuate switch farther from the internal stop inside the actuator. Turn bolt CW to actuate switch closer to the internal stop inside the actuator.

3. Adjust the main landing gear switches by repositioning. Loosen mounting screws and move switch towards the bellcrank to actuate switch farther from the internal stop in the actuator. Move the switch away from the bellcrank to actuate it closer to the internal stop in the actuator.

NOTE

After adjusting indicator switches check to see that gear indicator lights do not illuminate before gear is down and locked by overcenter linkage.

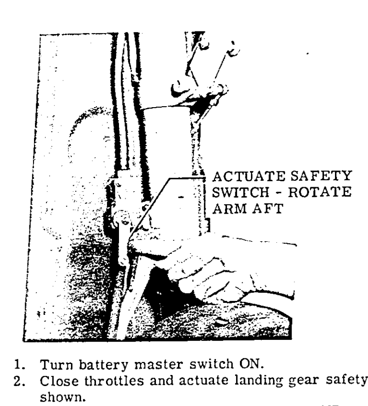
Detail P CHECKING Nose and Main Landing Gear Doors for Proper Fit



1. Operate the landing gear through one complete cycle and visually inspect nose and main landing gear doors for operation, proper fit and other damage.

2. Operate the landing gear through one complete cycle and check the gear indicator lights and warning horn. Check for operation with gear extended and retracted.

Detail Q CHECKING Safety Switch Inspection



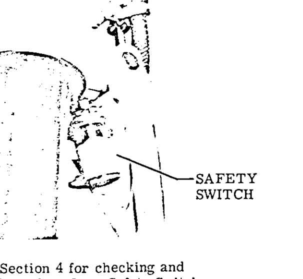
1. Turn battery master switch ON.
2. Close throttles and actuate landing gear safety switch by hand as shown.
3. Place landing gear switch handle in the UP position. The landing gear should remain down and locked and the horn should sound.

NOTE

If the horn does not sound, refer to Section 4, Troubleshooting. If the landing gear does not remain down and locked, the safety switch is defective and must be replaced.

4. If the landing gear remains down and locked return landing gear switch handle to DOWN position. Release the safety switch.

Detail Q-1 CHECKING Safety Switch Inspection



1. Refer to Section 4 for checking and Adjustment of Landing Gear Safety Switch.

After completing the inspection make sure the gear is down and locked, lubricated and power turned OFF.

NOTE

If adjustments were made, make sure all bolts have been torqued, cotter pins installed and doors connected, before installing access plates, floorboards, seats, carpets and cabin divider and removing aircraft from jacks.

complete

Figure 2-8A. Nose and Main Landing Gear Rigging Inspection

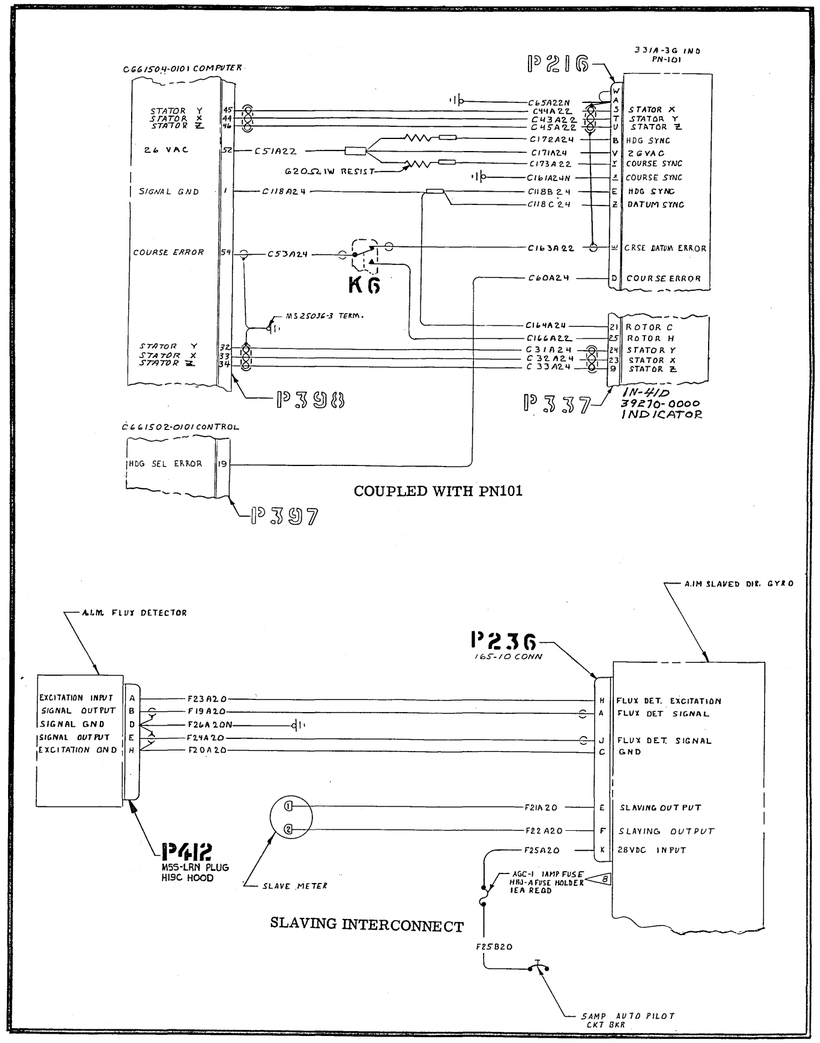


Figure 15-22B. Cessna 800 Nav-O-Matic Autopilot (Sheet 2 of 2)

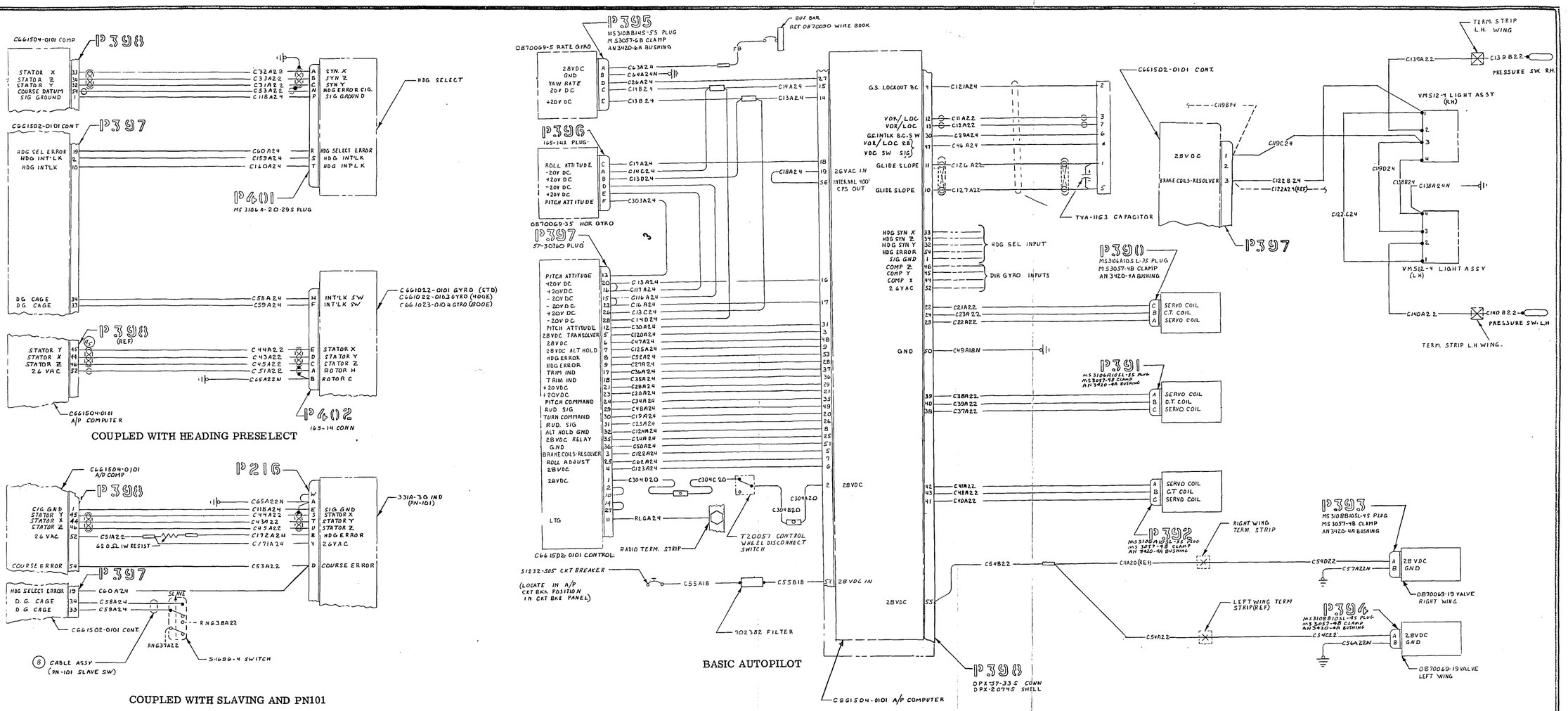
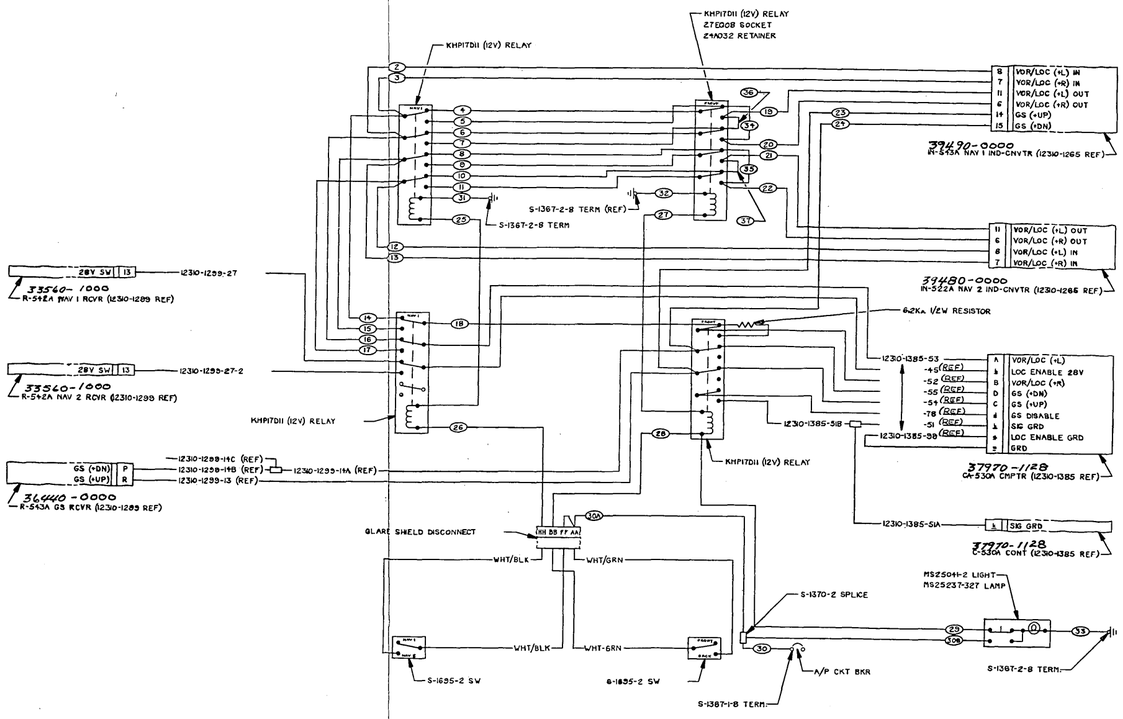


Figure 15-22B. Cessna 800 Nav-O-Matic Autopilot (Sheet 1 of 2)



NOTE: WIRE NUMBERS PREFIXED BY E1386

310Q0001 AND ON

Figure 15-32B. Cessna 400A Nav Select with Backcourse Switching

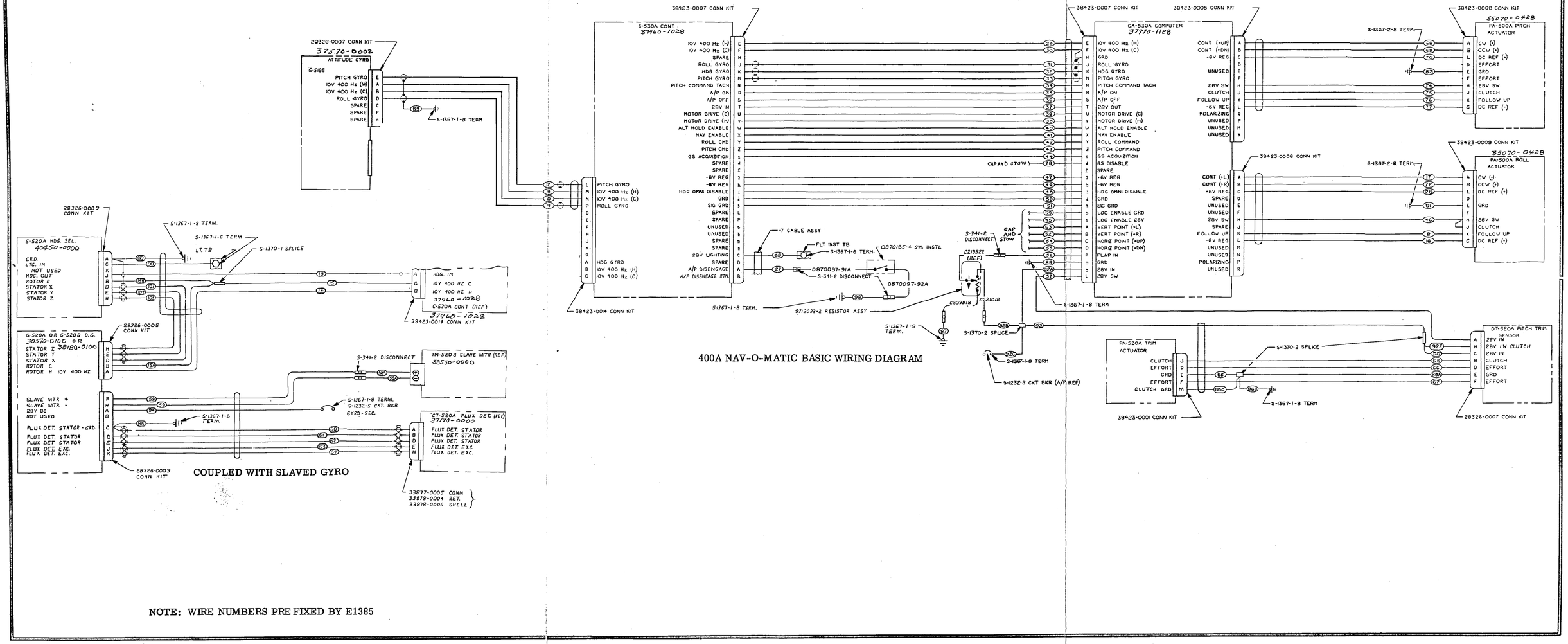


Figure 15-32A. Cessna 400A Nav-O-Matic Autopilot