

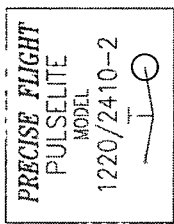
PRECISE FLIGHT, INC.		ENGINEERING DRAWING LIST				001P0020	REV. B
63354 POWELL BUTTE RD BEND, OR 97701		Project: STC SA4005NM Pulselite Installations - General Aviation STC: SA4005NM					11/8/2015
A/C MFG.	MODEL	DRAWING	REV	DATE	TITLE	P/L MODEL	MANUAL
				(or later FAA app'd revision)			
Air Tractor		225P0001	C	3/4/2008	PULSELITE 1200 SERIES AIR TRACTOR INSTALLATION	1220 / 2410	015PMAN0001 (PPRI-2000)
Cessna		210P0024	E	5/12/2000	PULSELITE CONTROL INSTALLATION CESSNA 441 - CONQUEST II	1220 / 2410	015PMAN0001 (PPRI-2000)
		210P0035	C	5/12/2000	PULSELITE CONTROL INSTALLATION CESSNA 208 - CARAVAN	1220 / 2410	015PMAN0001 (PPRI-2000)
		210P0046	C	5/12/2000	PULSELITE CONTROL INSTALLATION CESSNA 206	1220 / 2410	015PMAN0001 (PPRI-2000)
		210P0055	B	3/20/2001	PULSELITE CONTROL INSTALLATION CESSNA 425	1220 / 2410	015PMAN0001 (PPRI-2000)
		210P0057	-	1/20/1999	PULSELITE CONTROL INSTALLATION CESSNA 172	1210 / 2405	015PMAN0003 (PPRI-3000)
		210P0058	-	2/17/1999	PULSELITE CONTROL INSTALLATION CESSNA 182	1210 / 2405	015PMAN0003 (PPRI-3000)
		210P0066	-	5/12/2000	PULSELITE CONTROL INSTALLATION CESSNA 206	1210 / 2405	015PMAN0003 (PPRI-3000)
		210P0070	A	12/12/2000	PULSELITE CONTROL UNIT CESSNA 421	1220 / 2410	015PMAN0001 (PPRI-2000)
		210P0071	-	5/12/2000	PULSELITE CONTROL INSTALLATION CESSNA 206	3060S	025PMAN0001 (8076)
Commander A/C		235P0001	A	8/16/2000	PULSELIGHT CONTROL INSTALLATION COMMANDER	1220 / 2410	015PMAN0001 (PPRI-2000)
CubCrafters		240P0000	-	5/5/2015	CUBCRAFTERS CC18 PULSELIGHT SYSTEM - 1210	1210 / 2405	015PMAN0003 (PPRI-3000)
DeHavilland		250P0001	D	5/12/2000	PULSELITE CONTROL INSTALLATION DEHAVILLAND DHC-6 (Twin Otter)	2400 / 2401S	08053 / 08051
		250P0008	D	5/12/2000	PULSELITE CONTROL INSTALLATION DEHAVILLAND DHC-2 (Beaver)	1220 / 2410	015PMAN0001 (PPRI-2000)
		250P0009	D	5/12/2000	PULSELITE CONTROL INSTALLATION DEHAVILLAND DHC-3 (Otter)	1220 / 2410	015PMAN0001 (PPRI-2000)
Dornier		260P0002	-	5/12/2000	PULSELITE STARLIGHT MODEL 3060 DORNIER DO 228	3060	025PMAN0001 (8076)
Fairchild		300P0005	E	5/12/2000	PULSELITE CONTROL INSTALLATION MERLIN	2400 / 2401S	08053 / 08051
		300P0006	C	5/17/2000	PULSELITE CONTROL INSTALLATION METRO III	1220 / 2410	015PMAN0001 (PPRI-2000)
		300P0008	A	5/12/2000	PULSELITE CONTROL INSTALLATION METRO III	2400 / 2401S	08053 / 08051
Mitsubishi		520P0004	-	2/16/1999	PULSELITE CONTROL UNIT MITSUBISHI MU-2B-40	1220 / 2410	015PMAN0001 (PPRI-2000)
Mooney		540P0005	A	5/17/2000	PULSELITE CONTROL INSTALLATION MOONEY M20	1220 / 2410	015PMAN0001 (PPRI-2000)
Britten - Norman (Pilatus)		565P0001	C	5/12/2000	PULSELITE CONTROL INSTALLATION PILATUS ISLANDER BN2A-26	1220 / 2410	015PMAN0001 (PPRI-2000)
		565P0002	C	5/12/2000	PULSELITE CONTROL INSTALLATION PILATUS ISLANDER BN2A-26	1220 / 2410	015PMAN0001 (PPRI-2000)
Raytheon		120P0007	D	5/12/2000	PULSELITE CONTROL UNIT BEECH BONANZA	1220 / 2410	015PMAN0001 (PPRI-2000)
		120P0041	B	5/12/2000	PULSELITE CONTROL INSTALLATION BEECH BARON 58P	1220 / 2410	015PMAN0001 (PPRI-2000)
		120P0045	A	5/17/2000	PULSELITE CONTROL INSTALLATION BEECH BARON 55	1220 / 2410	015PMAN0001 (PPRI-2000)
		120P0046	C	5/12/2000	PULSELITE CONTROL INSTALLATION BEECH 1900	2400 / 2401S	08053 / 08051
		120P0047	A	5/12/2000	PULSELITE CONTROL UNIT BEECH KINGAIR F90	1220 / 2410	015PMAN0001 (PPRI-2000)
		120P0048	-	2/25/1998	PULSELITE CONTROL UNIT BEECH KINGAIR 100, A100 & B100	1220 / 2410	015PMAN0001 (PPRI-2000)
		120P0049	-	2/25/1998	PULSELITE CONTROL UNIT BEECH SUPER KINGAIR 300	1220 / 2410	015PMAN0001 (PPRI-2000)
		120P0050	A	2/24/2000	PULSELITE CONTROL UNIT 2400 BEECH KINGAIR B200 & B200T	2400 / 2401S	08053 / 08051
		120P0051	-	3/24/1998	PULSELITE CONTROL UNIT BEECH 65-A 90-1, -4	2400 / 2401S	08053 / 08051
		120P0052	-	6/24/1998	PULSELITE CONTROL UNIT SUPER KING AIR 300	1220 / 2410	015PMAN0001 (PPRI-2000)
		120P0053	-	7/2/1998	PULSELITE CONTROL UNIT SUPER KING AIR 100, A100 & B100	1220 / 2410	015PMAN0001 (PPRI-2000)
Sky International (Aviat)		220P0001	B	5/18/2006	PULSELITE 1200 SERIES AVIAT HUSKY INSTALLATION	1210 / 2405	015PMAN0003 (PPRI-3000)
		220P0003	B	11/30/2006	PULSELITE 1200 SERIES AVIAT HUSKY INSTALLATION	1210 / 2405	015PMAN0003 (PPRI-3000)

PRECISE FLIGHT, INC.		ENGINEERING DRAWING LIST				001P0020	REV. B
63354 POWELL BUTTE RD BEND, OR 97701		Project: STC SA4005NM Pulselite Installations - General Aviation STC: SA4005NM					11/8/2015
A/C MFG.	MODEL	DRAWING	REV	DATE	TITLE	P/L MODEL	MANUAL
Twin Commander (Rockwell, Aero Cmdr)	500,600,700 Series 500S	600P0001 600P0002	C C	5/12/2000 5/12/2000	PULSELITE CONTROL UNIT ROCKWELL/GULF TURBO COMMANDER PULSELITE CONTROL INSTL GULFSTREAM AERO COMMANDER 500S	1220 / 2410 1220 / 2410	015PMAN0001 (PPRI-2000) 015PMAN0001 (PPRI-2000)
REFERENCE							
(Latest FAA Approved Revision)							
		000PMAN0002			Pulselite Instructions for Continued Airworthiness		
		015PMAN0001			Pulselite Model 1220/2410-2 Installation Manual (PPRI-2000)		
		015PMAN0003			Pulselite Model 1210/2405-2A Installation Manual (PPRI-3000)		
		08051			Pulselite Installation Manual Model 2401S		
		08053			Pulselite Installation Manual Model 2400-25-4-4 (PPRI-1000)		
		025PMAN0001			Pulselite Model 3060 Series Installation Manual (8076)		
REVISION HISTORY							
			-	1/26/1999	Initial Release		
			A	7/10/2002	On file		
			B	11/8/2015	Added CubCrafters; updated ICA & Installation Manual document numbers; revised drawing list format; corrected Pulselite model numbers; corrected drawing titles; updated drawing revisions to current FAA app'd revision levels.		

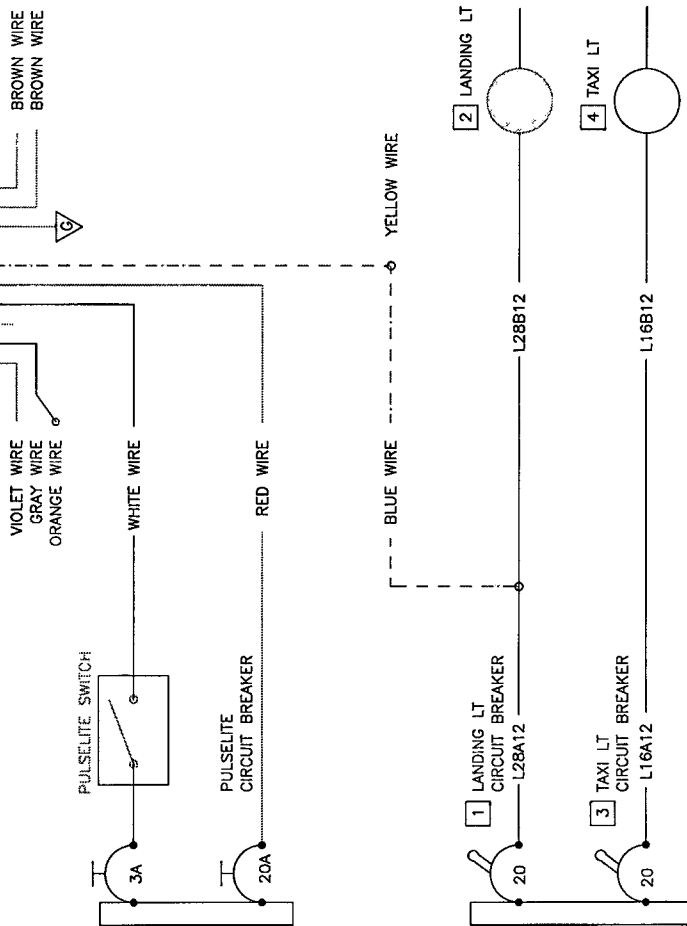
REVISIONS

REV	DESCRIPTION	DATE	CHK.	APP.
A	REMOVED ASSUMED SWITCHES	JMR 02/28/88	-	-
B	UPDATED WIRING SPECS & NOTES	DLP 06/02/90	-	RGS 06/02/90
C	NEW VERSION PCU REDRAWN	DJC 07/23/97	BEC	STP 07/24/97
D	REVISED TITLE & DRAWING NUMBER	DJC 5/12/00	EWL	STP 5/12/00

PULSE RATE SELECT:
CONNECT BROWN WIRES FOR HIGH SPEED (92 PPM)
DISCONNECT & INSULATE FOR NORMAL RATE (46 PPM)



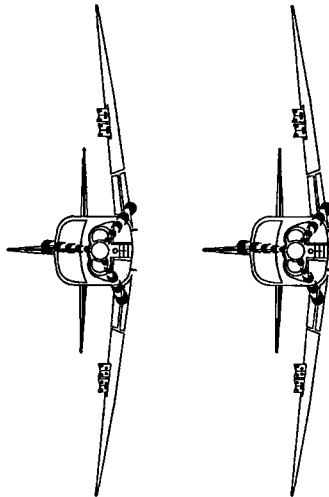
MODE SELECT:
SYNCHRONIZED PULSE: GREY TO ORANGE.
ALTERNATE PULSE: DO NOT USE.
INSULATE & TIE OFF ANY UNUSED WIRE.



NOTES -

1. REFERENCE DRAWING # 33-590011-1C/11 DATED AUG.1971.
2. THIS PULSE RATE SELECT IS DESIGNED TO PULSE THE LANDING LIGHT ALTERNATELY. DO NOT ATTEMPT TO MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
3. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING WIRE GAUGE. USE 12 AWG FOR 20 AMP WIRES.
4. GRAY WIRE MUST BE CONNECTED TO ORANGE WIRE FOR CORRECT PULSE CYCLE, OR DAMAGE WILL OCCURE.
5. LEGEND:

▽ = AIRCRAFT GROUND



QTY	REV	CODE	PART NO.	DESCRIPTION	MATERIAL/AFG.	ITEM
-2	-1					
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. DECIMALS ARE TO BE FRACTIONS. 1/2" = 0.500 1/4" = 0.250 3/8" = 0.375 1/8" = 0.125 1/16" = 0.0625 1/32" = 0.03125</p> <p>NO NOT SCALE DRAWINGS</p> <p>TREATMENT</p> <p>FINISH</p> <p>SIMILAR TO</p> <p>SPECIAL MK STM</p>						
<p>CONTRACT NO. PRECISE FLIGHT, INC. www.preciseflight.com 6320 POWELL BUTTE RD. BEND, OREGON 97701 (541) 362-8884 FAX (541) 368-1105</p>						
<p>TITLE PULSE RATE CONTROL UNIT DATE 12/16/87 APPROVALS JMR 12/17/87 CVWG RGE DRAWN CHECKED ENGR DESIGN ACTIVITY</p>						
<p>SIZE B DWG. NO. 120P0007 SCALE 1=1 STC # SA4005NA</p>						
<p>REV. D</p>						

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REVISIONS

REV	DESCRIPTION	DATE	CHK.	APP.
A	UPDATED NOTES	09/20/93	VAR	VAR
B	UPDATED DRAWING NUMBER & TITLE	05/12/00	STP	STP

- NOTES -

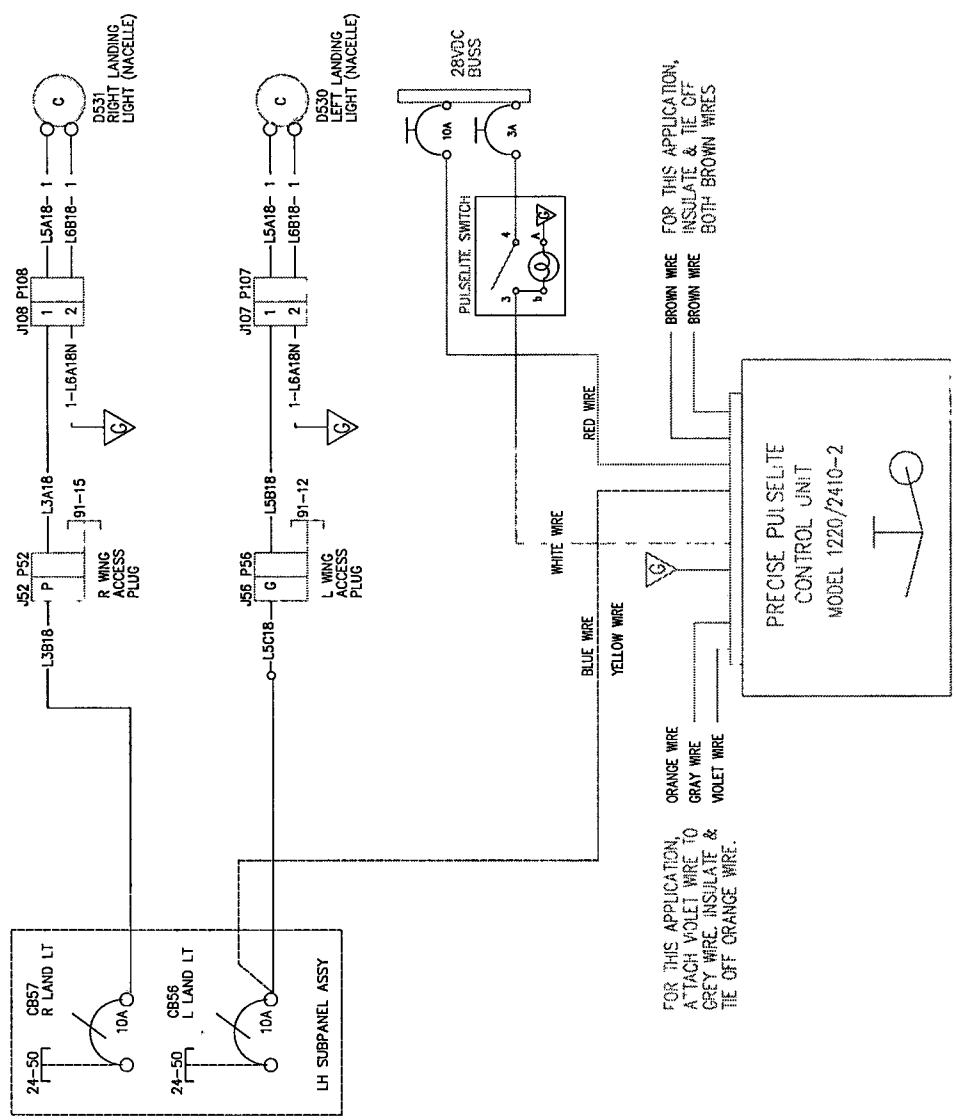
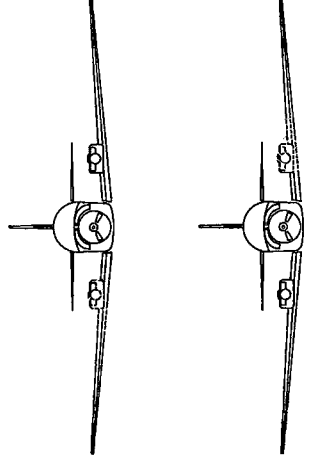
- THIS WIRING SCHEMATIC IS APPLICABLE ONLY TO PRECISE FLIGHT PULSELITE CONTROL MODEL 1220/2410-2.
- THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE RIGHT LANDING LIGHT ALTERNATELY WITH THE LEFT LANDING LIGHT. DO NOT ATTEMPT TO MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT INC.
- ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING. USE 12AWG FOR RED WIRE, 16AWG FOR ALL OTHERS.
- REFERENCE ORIGINAL AIRCRAFT WIRING DIAGRAM FOR EXTERIOR LIGHTS, LANDING LIGHTS DATED 7-3-81.
- CUSTOMER TO SUPPLY ADDITIONAL CIRCUIT BREAKERS. LIGHTED SWITCH SHOWN IS PFI #01184, AVAILABLE THROUGH PRECISE FLIGHT AT ADDITIONAL COST.
- LEGEND:

STEADY POWER

PULSE POWER 1ST CHANNEL

PULSE POWER 2ND CHANNEL

▽ = IS A GROUND



FOR THIS APPLICATION, ATTACH VIOLET WIRE TO GREY WIRE. INSULATE & TIE OFF ORANGE WIRE.

FOR THIS APPLICATION, ATTACH VIOLET WIRE TO GREY WIRE. INSULATE & TIE OFF ORANGE WIRE.

PRECISE PULSELITE CONTROL UNIT MODEL 1220/2410-2

QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
				PRECISE FLIGHT, INC. 63120 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8884 FAX (541) 388-1105		
				CONTRACT NO.		
				APPROVALS		
				DATE		
				DRWN		
				CHECKED		
				ENGR		
				DESIGN ACTIVITY		
				TREATMENT		
				FINISH		
				SIMILAR TO		
				SPECIAL MK SYM		
				APPLICATION		
				PART NEXT FINAL		
				DASH QTY RECD PER ASSY		
				USED ON		
				NO		
				SIZE		
				CODE		
				DWG. NO.		
				SCALE		
				STC #		

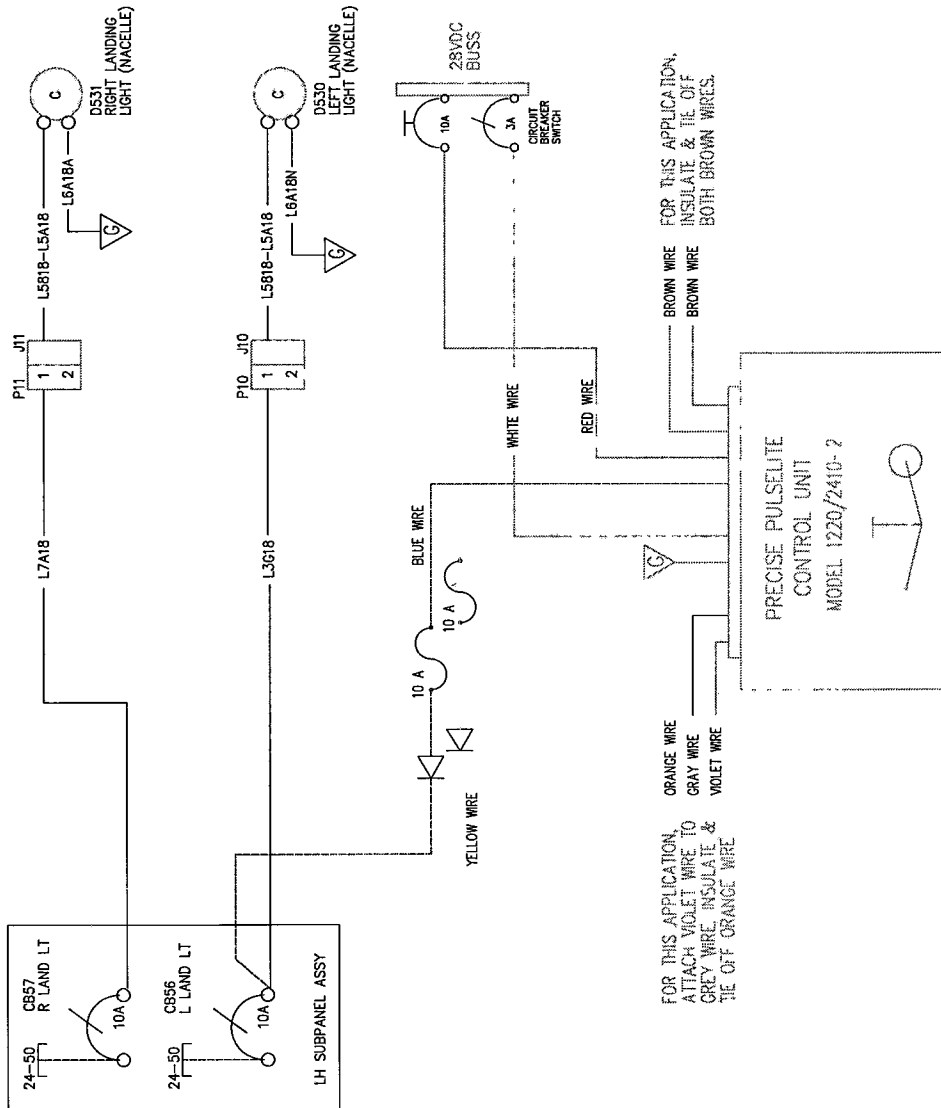
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PRECISE FLIGHT, INC. 63120 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8884 FAX (541) 388-1105

PULSELITE CONTROL INSTALLATION BEECH BARON 58P

REV	1
REV	2
REV	3
REV	4
REV	5
REV	6
REV	7
REV	8
REV	9
REV	10
REV	11
REV	12
REV	13
REV	14
REV	15
REV	16
REV	17
REV	18
REV	19
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REV	95
REV	96
REV	97
REV	98
REV	99
REV	100

REVISIONS			
REV	DESCRIPTION	DRAWN	CHK.
A	REVISED DRAWING NUMBER AND TITLE	STP	DJC
		05/17/00	05/17/00

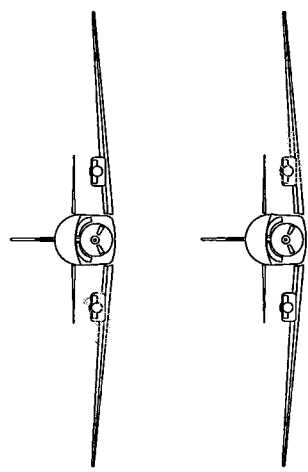


- NOTES -

1. THIS WIRING SCHEMATIC IS APPLICABLE ONLY TO PRECISE FLIGHT PULSELITE CONTROL MODEL 1220/2410-2.
2. THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE RIGHT LANDING LIGHT ALTERNATELY WITH THE LEFT LANDING LIGHT. DO NOT ATTEMPT TO MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT INC.
3. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING. USE 12AWG FOR RED WIRE, 16AWG FOR ALL OTHERS.
4. CUSTOMER TO SUPPLY ADDITIONAL CIRCUIT BREAKERS.
5. LEGEND: _____ STEADY POWER
_____ PULSE POWER 1ST CHANNEL
_____ PULSE POWER 2ND CHANNEL
∇ = IS A GROUND

FOR THIS APPLICATION, ATTACH VIOLET WIRE TO GREY WIRE. INSULATE & TIE OFF ORANGE WIRE.

FOR THIS APPLICATION, INSULATE & TIE OFF BOTH BROWN WIRES.

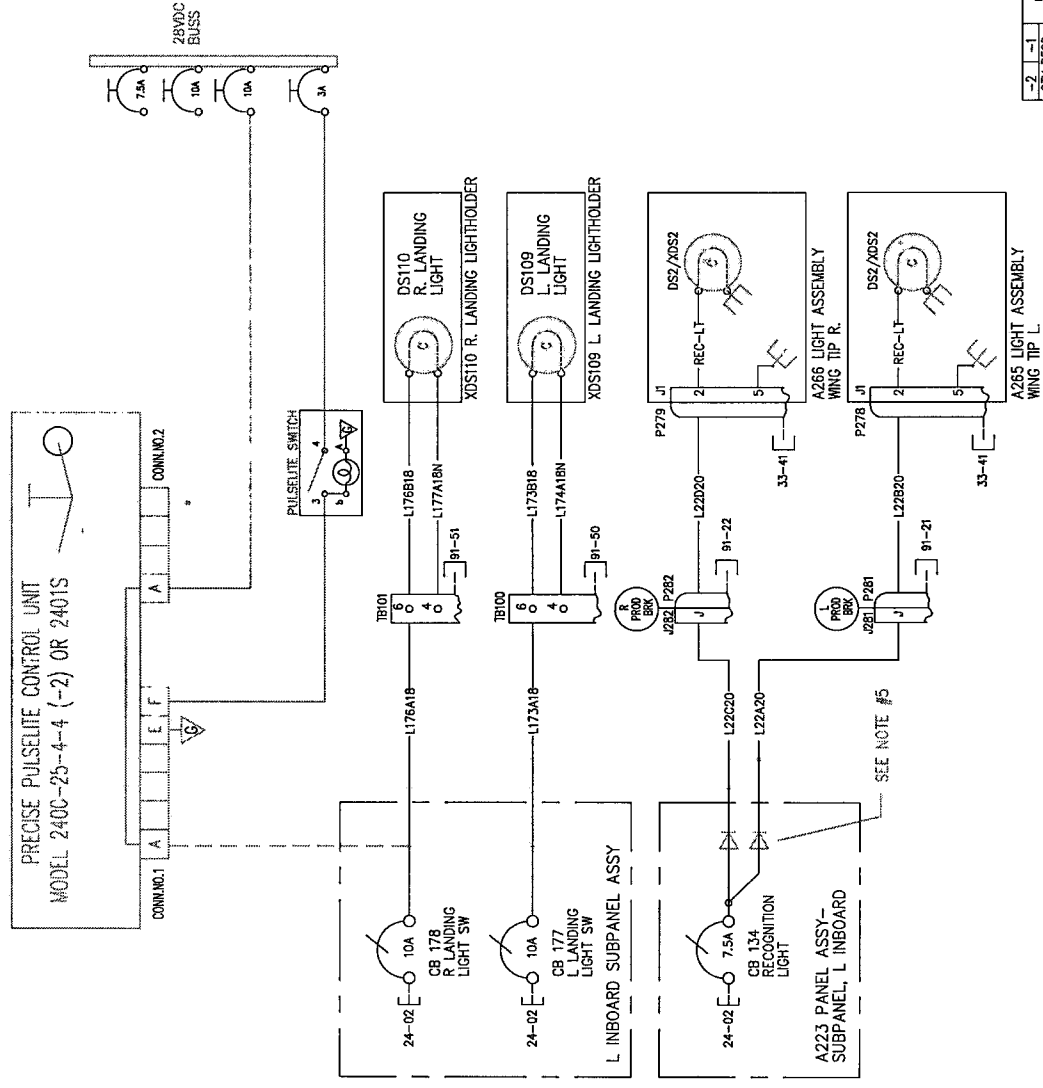


QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
2	1	-1				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .015 FRACTIONS 1/16 .000 .000						
DO NOT SCALE DRAWINGS						
TREATMENT		APPROVALS		DATE		TITLE
		DRAWN		01/20/94		PULSELITE CONTROL INSTALLATION
		CHECKED		01/20/94		BEECH BARON 55
		ENGR				
		DESIGN ACTIVITY		MEB		
PART		NEXT ASSY		USED ON		REV
DASH		QTY RECD PER ASSY		APPLICATION		
NO						
				SCALE 1=1		
				DWG. NO. 120P0045		
				STC # SA4005NN		1 OF 1

PRECISE FLIGHT, INC.
6320 POWELL BUTTE RD. BEND, OREGON 97701
(541) 382-8894 FAX (541) 388-1105

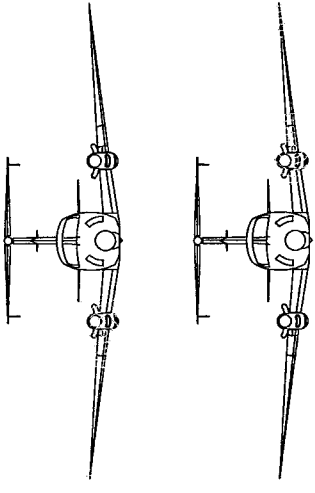
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REVISIONS					
REV	DESCRIPTION	DATE	CHK	APP.	
A	SHOW WIRING OF CURRENT LIMITER	09/29/93			
B	UPDATED NOTES	09/29/93			
C	UPDATED TITLE & DWG NO REMOVED CURRENT LIMITER	5/12/00			



- NOTES**
- THIS WIRING SCHEMATIC IS APPLICABLE ONLY TO PRECISE FLIGHT PULSELITE CONTROL UNITS WITH SERIAL NUMBERS CONTAINING A "K", "KA", "AR" OR "S" PREFIX.
 - THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE RIGHT LANDING & RECOG. LTS. ALTERNATELY WITH THE LEFT LANDING & RECOG. LTS. DO NOT ATTEMPT TO MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT INC.
 - ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING. CONNECTOR NO. 1 - USE 18AWG ON ALL PINS. CONNECTOR NO. 2 - USE 18AWG ON ALL PINS. REFER TO ORIGINAL AIRCRAFT WIRING DIAGRAM NO'S. 33-48-00 PAGE 2, DATED 8-4-89 FOR EXTERIOR LIGHTS, RECOGNITION & NUMBER 33-42-01 PAGE 3, DATED 8-7-85 FOR LANDING LIGHTS. CUSTOMER TO SUPPLY ADDITIONAL CIRCUIT BREAKERS OR FUSES. INSTALL DIODE SET AS SHOWN, P/N 12007 SUPPLIED BY P.F.I.

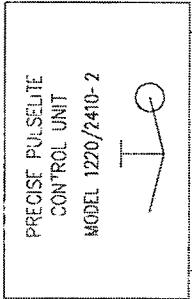
- LEGEND:**
- STEADY POWER
 - - - - - PULSE POWER --ON-
 - - - - - PULSE POWER --OFF-
 - ▽ = IS A GROUND
 - ◇ = IS A SPARE



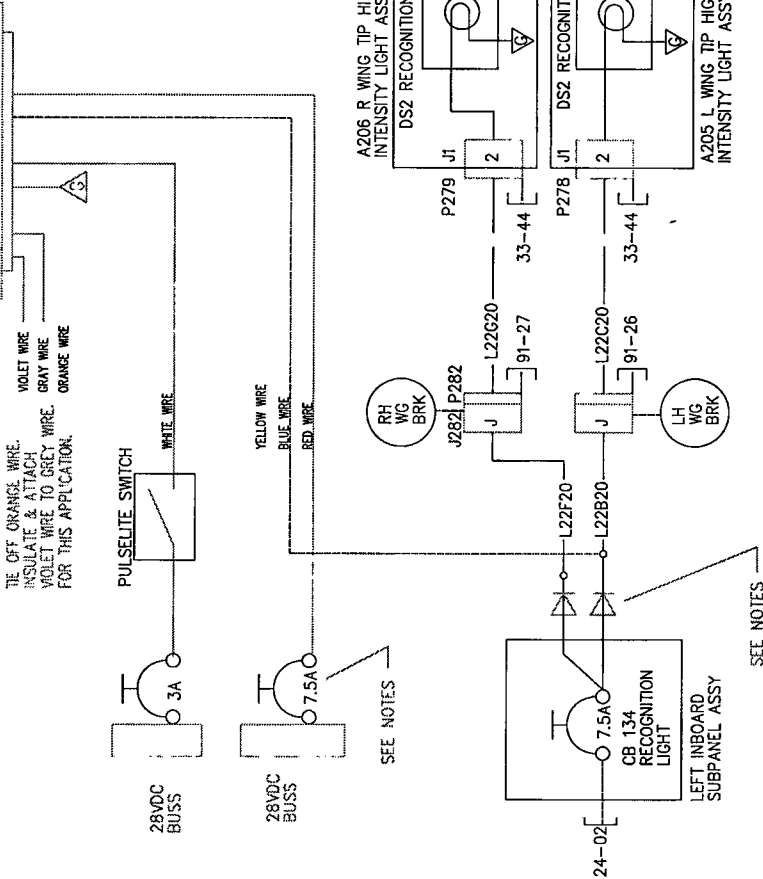
QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
2	1	-1	CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .005 FRACTIONS 1/16 XXX = 0.00 DO NOT SCALE DRAWINGS						
TREATMENT		APPROVALS	DATE	TITLE		
FINISH		DRAWN	02/11/92	PULSELITE CONTROL INSTALLATION		
SIMILAR TO		CHECKED	02/12/92	BEECH 1900		
PART NO		ENGR		SIZE		
DASH		DESIGN ACTIVITY	LEE	B		
NEXT ASSY		SPECIAL MK SYM		SCALE		
QTY RECD PER ASSY				1=1		
NEXT ASSY				DWG. NO.		
FINAL				1200046		
PER ASSY				REV		
				C		
				1 OF 1		

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REVISIONS			
REVISED TITLE & DWG NUMBER	DESCRIPTION	DRWN	CHK
A		STP	DJC
		05/12/00	05/12/00



TIE OFF ORANGE WIRE.
INSULATE & ATTACH
VIOLET WIRE TO GREY WIRE.
VIOLET WIRE TO GREY WIRE.
ORANGE WIRE
FOR THIS APPLICATION.



BOTH BROWN WIRES.
INSULATE & TIE OFF
FOR THIS APPLICATION.

--- NOTES ---

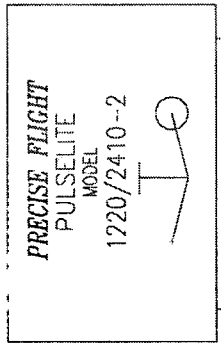
1. THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE LEFT AND RIGHT WING TIP RECOGNITION LIGHTS ALTERNATELY. DO NOT ATTEMPT TO MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
2. CIRCUIT BREAKER SUPPLIED BY CUSTOMER C/B MUST BE CONNECTED TO ORIGINAL RECOGNITION LIGHT BUSS ON SPLIT BUSS SYSTEMS.
3. PRECISE FLIGHT P/N P-12007 DIODE SET. ONE SET REQUIRED.
4. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING WIRE GAUGE.
5. -----

6. REFER TO ORIGINAL AIRCRAFT WIRING DIAGRAM # 33-48-00, PAGE 3, DATED 6/10/83. SEE PAGE 1 FOR EFFECTIVITY.
7. LEGEND:
 _____ STEADY POWER
 - - - - - PULSE POWER -ON-
 - - - - - PULSE POWER -OFF-
 ∇ = IS A GROUND

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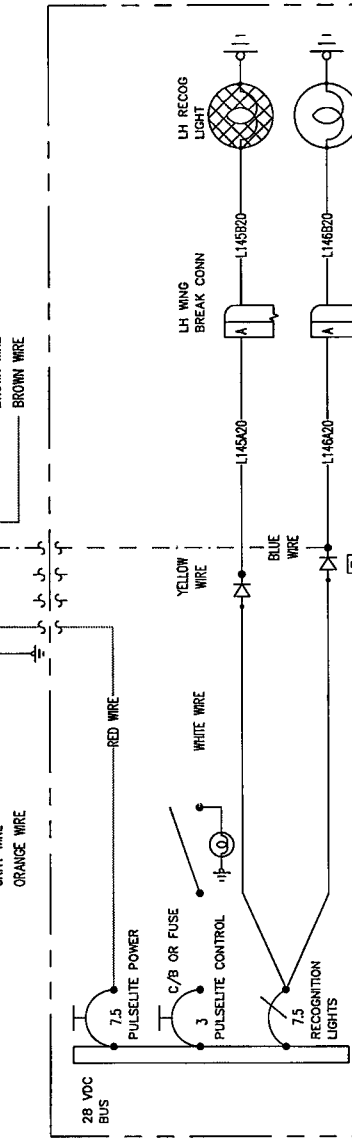
QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
-2	1	1				
FINISH: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS .XX = 0.03 .XX = 0.02 .XX = 0.01. NO NOT SCALE DIMENSIONS.						
TREATMENT: FINISH: SIMILAR TO SPECIAL MK STM						
APPROVALS: DRAWN: S. PHILIBEN 11/06/95 CHECKED: R. BUCKLEY 11/06/95 DESIGN ACTIVITY: S. PHILIBEN 11/06/95						
TITLE: PULSELITE CONTROL UNIT SIZE: BEECH KINGAIR F90 DWG. NO.: 1200047 SCALE: 1=1 STC # STC SA4005NM						

REVISIONS	DESCRIPTION	DRAWN	CHK.	APP.

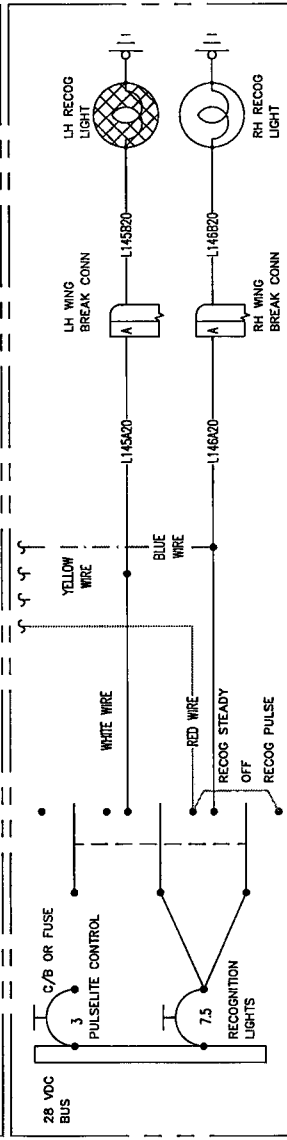


PULSE RATE SELECT:
CONNECT BROWN WIRES FOR HIGH SPEED (92 PPM)
DISCONNECT & INSULATE FOR NORMAL RATE (46 PPM)

MODE SELECT:
SYNCHRONIZED PULSE: GRAY TO ORANGE
RECOMMENDED: ALTERNATE PULSE: GRAY TO VIOLET
INSULATE & TIE OFF ANY ORANGE WIRE.



OPTION: ADD PULSE RATE SWITCH, BREAKERS & DIODES TO EXISTING WIRING.

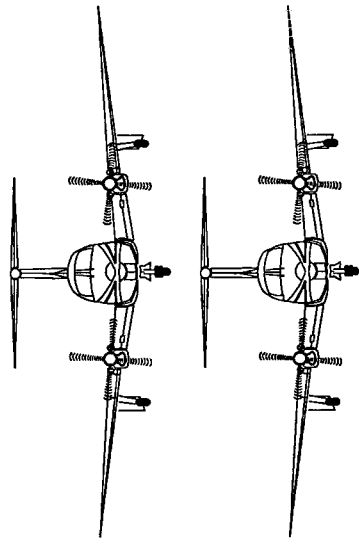


OPTION: ADD ON-OFF-ON SWITCH, PULSE RATE BREAKER & REPLACE RECOG BREAKER.

NOTES -

1. THIS PULSE RATE SCHEMATIC IS DESIGNED TO PULSE THE RECOGNITION LIGHTS ALTERNATELY. DO NOT MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
2. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE. USE 16AWG OR LARGER ON RED WIRE, USE 18AWG OR LARGER ON ALL OTHER WIRES.
3. DIODES ARE AVAILABLE THROUGH PRECISE FLIGHT. DIODE KIT PFI P/N 12007-2.
4. REFER TO ORIGINAL AIRCRAFT WIRING DIAGRAM NUMBER NUMBER 33-46-01 PAGE 3 DATED 11/78 FOR RECOGNITION LIGHTS.
5. CUSTOMER TO SUPPLY ADDITIONAL CIRCUIT BREAKERS OR FUSES, AND SWITCHES WITH CONTACTS RATED AT 10 AMPS OR LARGER.

LEGEND: = AIRCRAFT GROUND

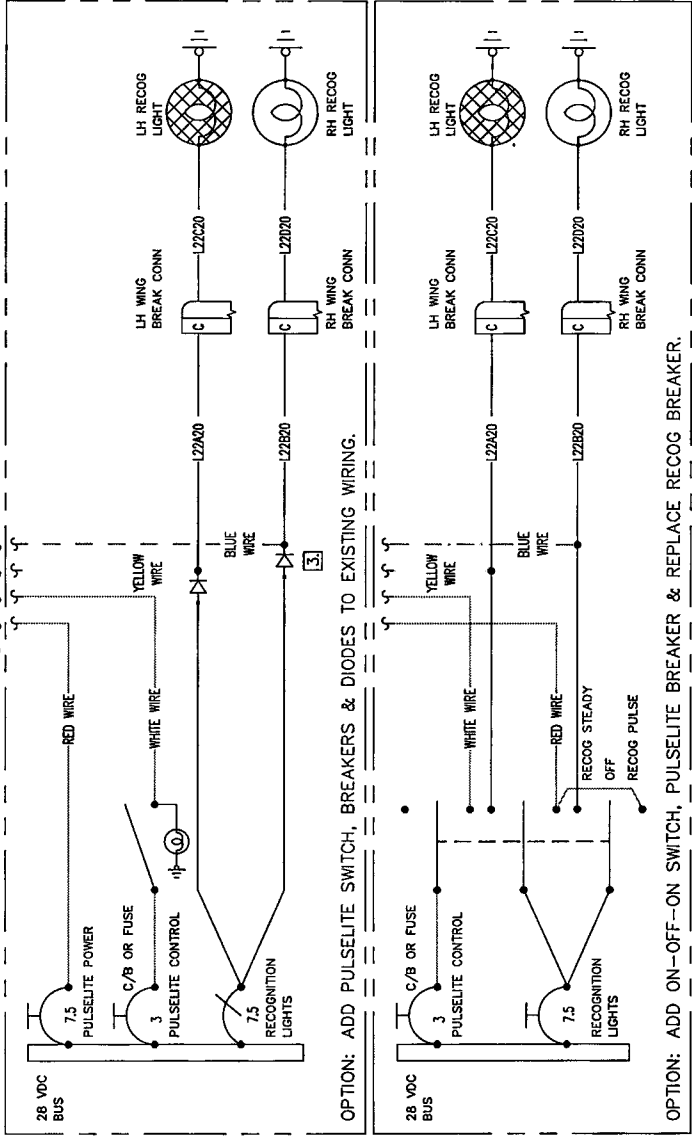
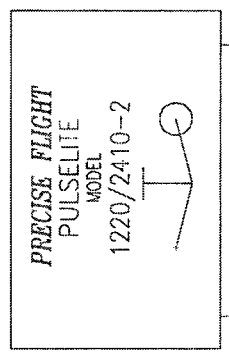


QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/AFG.	ITEM
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS XX = 0.0X X.X = 0.1X X = 0.01X NO. NOT SCALE DIMENSIONS</p>						
<p>CONTRACT NO. B-232 & SUBSEQUENT, EFFECTIVITY: BE-20 & SUBSEQUENT.</p>						
<p>PRECISE FLIGHT, INC. 63120 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8884 FAX (541) 388-1105</p>						
<p>APPROVALS DATE TITLE</p>						
<p>D. GREACH 02/24/98</p>						
<p>S. PHILIBEN 02/25/98</p>						
<p>S. PHILIBEN 02/25/98</p>						
<p>S. PHILIBEN 02/25/98</p>						
<p>PULSE RATE CONTROL UNIT</p>						
<p>KING AIR 100, A100 & B100</p>						
<p>SIZE CODE</p>						
<p>B</p>						
<p>DWG. NO. 1200048</p>						
<p>REV. 1 OF 1</p>						
<p>SCALE 1=1</p>						
<p>SIC # SA4005NN</p>						

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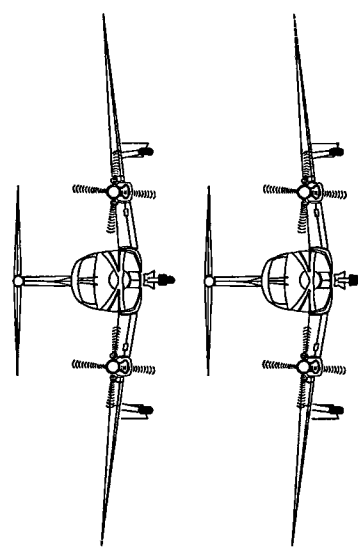
MODE SELECT:
 SYNCHRONIZED PULSE: GRAY TO ORANGE
 RECOMMENDED: ALTERNATE PULSE: GRAY TO VIOLET
 INSULATE & TIE OFF ANY ORANGE WIRE.

PULSE RATE SELECT:
 CONNECT BROWN WIRES FOR HIGH SPEED (92 PPM)
 DISCONNECT & INSULATE FOR NORMAL RATE (46 PPM)



- NOTES -**
1. THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE RECOGNITION LIGHTS ALTERNATELY. DO NOT MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
 2. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE. USE 16AWG OR LARGER ON RED WIRE, USE 18AWG OR LARGER ON ALL OTHER WIRES.
 3. DIODES ARE AVAILABLE THROUGH PRECISE FLIGHT. DIODE KIT PFI P/N 12007-2.
 4. REFER TO ORIGINAL AIRCRAFT WIRING DIAGRAM NUMBER 33-48-00 PAGE 3 DATED 11/78 FOR RECOGNITION LIGHTS.
 5. CUSTOMER TO SUPPLY ADDITIONAL CIRCUIT BREAKERS OR FUSES, AND SWITCHES WITH CONTACTS RATED AT 10 AMPS OR LARGER.

LEGEND:
 = AIRCRAFT GROUND



OPTION: ADD ON-OFF SWITCH, PULSELITE BREAKER & REPLACE RECOG BREAKER.

QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/AFG.	ITEM
2	-	1				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS ARE DECIMALS .XX = 0.00 .XXX = 0.000 * DO NOT SCALE DRAWINGS						
TREATMENT						
FINISH						
SIMILAR TO						
SPECIAL MK SVW						
PART NO.	CONTRACT NO.	DATE	TITLE			
			PULSELITE CONTROL UNIT			
			SUPER KING AIR 300			
DRAWN	D. CREAUGH	02/25/98	SIZE			
CHECKED	S. PHILBEN	02/25/98	CODE			
ENGR	S. PHILBEN	02/25/98	SCALE 1=1			
DESIGN	M. PHILBEN	02/25/98	STC # SA4005NM			
DASH			DWG. NO.			
			1200049			
			SCALE			
			1 OF 1			

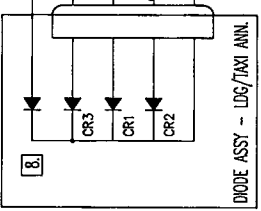
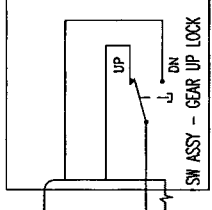
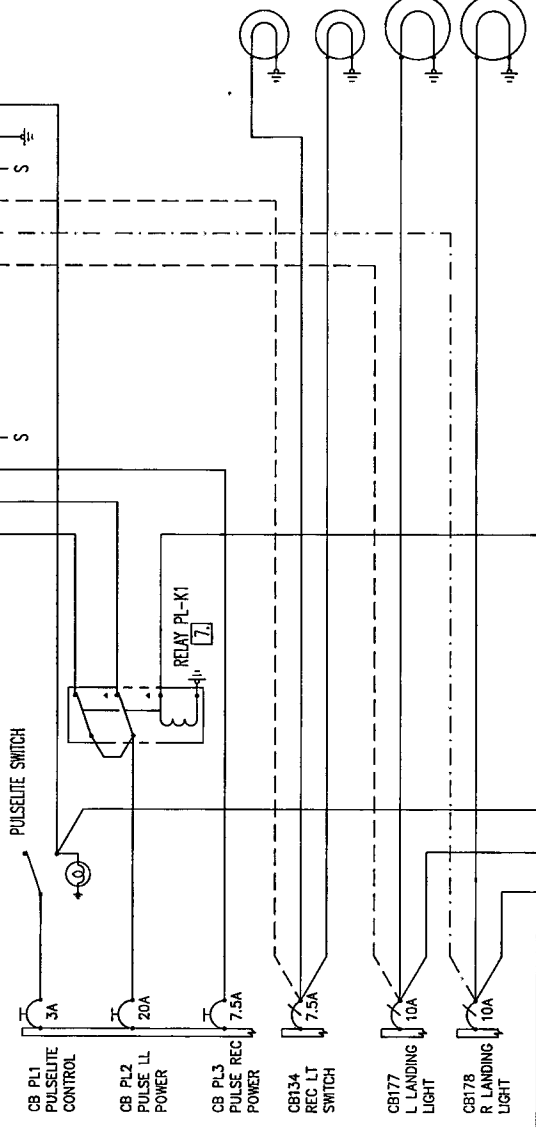
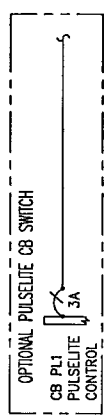
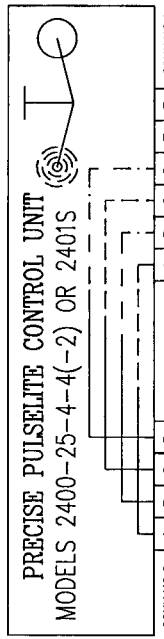
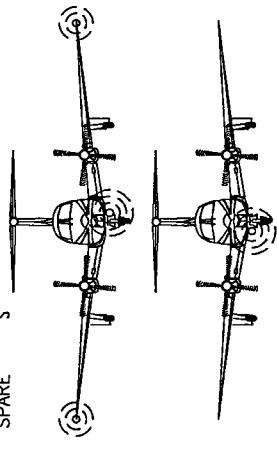
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REVISIONS			
NO.	DESCRIPTION	DRWN	CHK.
A	REISE FOR 2401S OPTION	DJC	SAG
		02/24/00	02/24/00
			APP.
			STP.
			02/24/00

— NOTES —

- THIS WIRING SCHEMATIC IS APPLICABLE ONLY TO PULSELITE CONTROL UNITS 2400-25-4-4, 2400-25-4-4-2 OR 2401S.
 - THIS WIRING CONFIGURATION IS DESIGNED TO PULSE THE NOSE LANDING LIGHTS ALTERNATELY. THE RECOGNITION LIGHTS MAY ALSO BE PULSED.
 - PULSE RATE 45 PPM.
 - DO NOT EXCEED 600 WATTS MAX. PER CHANNEL.
 - CUSTOMER TO SUPPLY THE PULSELITE SWITCH. OTHER SWITCH CONFIGURATIONS ARE AVAILABLE.
 - ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11, SEC. 3. WIRE SIZE MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE AND MEET THE REQUIREMENTS OF AC 43.13-1A, CHAPTER 11, SEC. 3, FIGURE 11.5.
- 7 RELAY USED IS A MIDTEX 187-32C200, OR SIMILAR: 24VDC DPDT POWER RELAY. CONTACTS RATED FOR 20A AT 24VDC.
- 8 ADD DIODE, SIMILAR TO CR1-3, TO DIODE ASSEMBLY FROM PULSELITE SWITCH.

LEGEND:
 STEADY POWER ———
 PULSE POWER ϕ 1 - - - - -
 PULSE POWER ϕ 2 - - - - -
 SPARE S



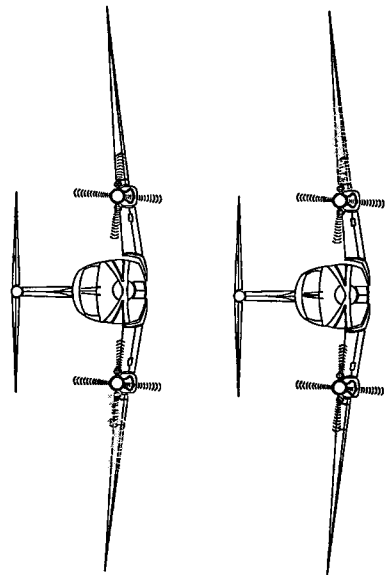
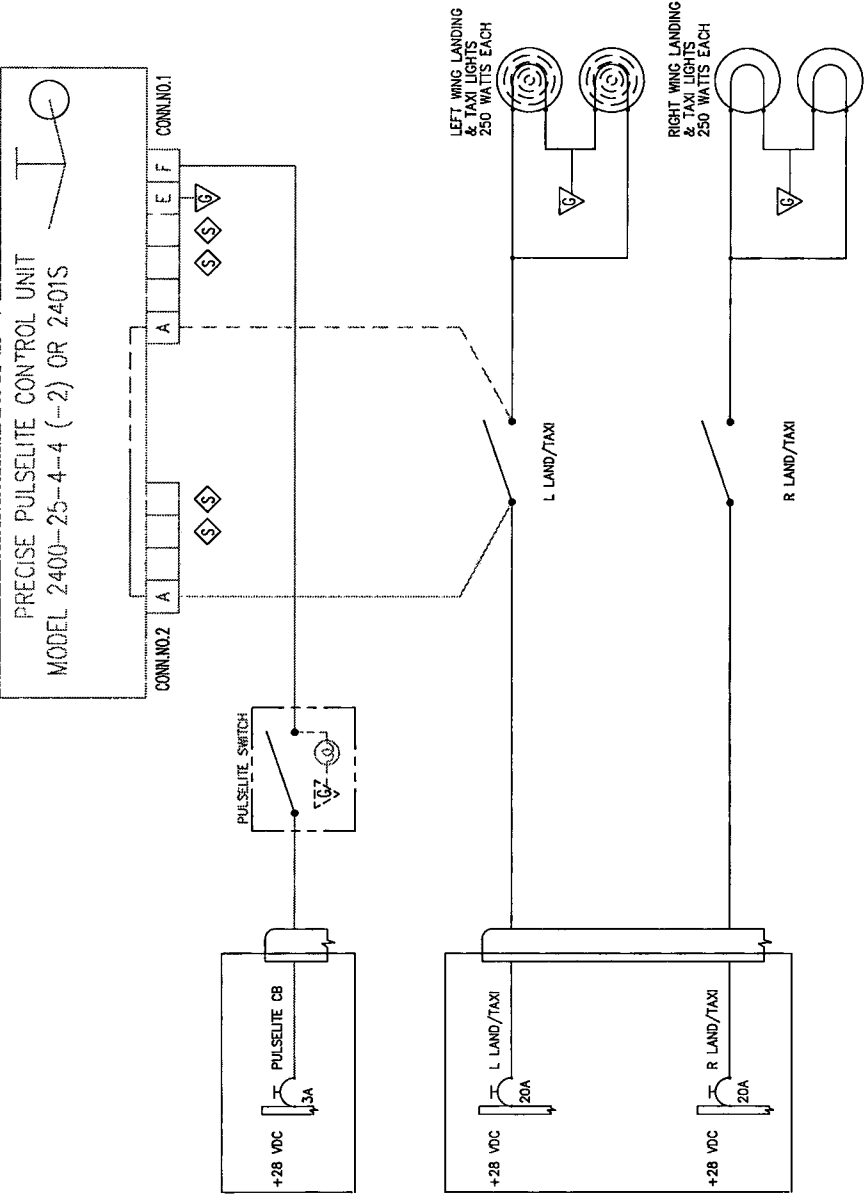
QTY	REC'D	CODE	PART NO.	DESCRIPTION	MATERIAL/WFG.	ITEM
-2	-1		CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS XX = 0.05 XXX = 0.01 DO NOT SCALE DIMENSIONS						
TREATMENT FINISH SIMILAR TO SPECIAL MK SYM						
APPROVALS DATE TITLE						
DRAWN D. CREACH 03/08/98						
CREATED S. PHILIBEN 04/03/98						
ENGR S. PHILIBEN 04/03/98						
DESIGN ACTIVITY S. PHILIBEN 04/03/98						
PRECISE FLIGHT, INC. www.preciseflight.com 63120 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8884 FAX (541) 388-1105						
PULSELITE CONTROL UNIT 2400 BEECH KING AIR B200 & B200T						
Dwg. No. 120PO050 A						
REV. 1						
SCALE NTS						
STC # SA4005NM						
1 OF 1						

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PRECISE PULSELITE CONTROL UNIT
MODEL 2400-25-4-4 (-2) OR 2401S

- NOTES ---
1. THIS WIRING SCHEMATIC IS APPLICABLE ONLY TO PULSELITE MODELS 2400-25-4-4, -2 OR 2401S.
 2. THIS WIRING CONFIGURATION IS DESIGNED TO PULSE THE LEFT & RIGHT LANDING/TAXI LIGHTS ALTERNATELY.
 3. PULSE RATE 45 PPM.
 4. DO NOT EXCEED 600 WATTS MAX. PER CHANNEL.
 5. CUSTOMER TO SUPPLY THE PULSELITE SWITCH. OTHER SWITCH CONFIGURATIONS ARE AVAILABLE.
 6. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11, SEC. 3. WIRE SIZE MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE AND MEET THE REQUIREMENTS OF AC 43.13-1A, CHAPTER 11, SEC. 3, FIGURE 11.5. USE 16AWG MINIMUM ON CONNECTORS 1 & 2.

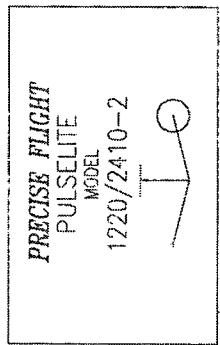
LEGEND:
 STEADY POWER ———
 PULSE POWER $\phi 1$ - - - -
 PULSE POWER $\phi 2$ - · - ·
 GROUND ∇ SPARE \diamond



QTY	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
1	03/24/98	D. CREACH	PRECISE FLIGHT, INC.	www.preciseflight.com	
1	03/24/98	S. PHILIBEN	63120 POWELL BUTTE RD. BEND, OREGON 97701		
1	03/24/98	S. PHILIBEN	(541) 382-8884 FAX (541) 388-1105		
TITLE		PULSELITE CONTROL UNIT			
DRAWN		D. CREACH 03/24/98			
CHECKED		S. PHILIBEN 03/24/98			
OVER		S. PHILIBEN 03/24/98			
DESIGN ACTIVITY		S. PHILIBEN 03/24/98			
CONTRACT NO.		BEECH 65-A 90-1; -4			
APPROVALS		DATE			
FINISH		DWG. NO. 120PO051			
SIMILAR TO		SCALE NTS			
NEXT FINAL		STC # 5A4005NM			
NEXT PER ASSY		1 OF 1			

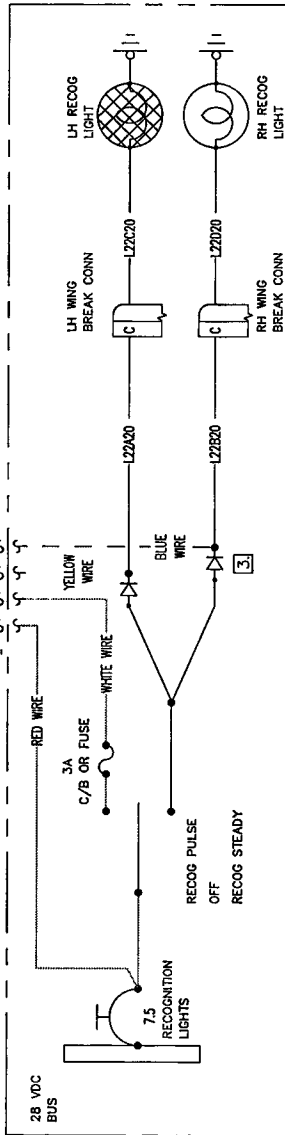
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REVISIONS	DESCRIPTION	DRAWN	CHK.	APP.

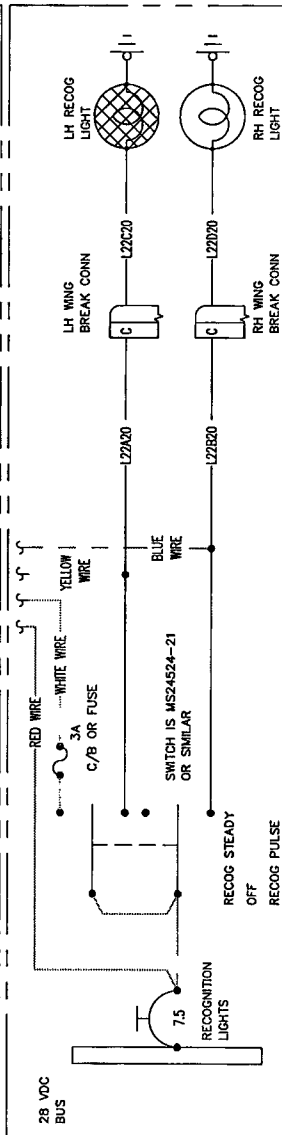


MODE SELECT:
 SYNCHRONIZED PULSE: GRAY TO ORANGE
 RECOMMENDED: ALTERNATE PULSE: GRAY TO VIOLET
 INSULATE & TIE OFF ANY ORANGE WIRE.

PULSE RATE SELECT:
 CONNECT BROWN WIRES FOR HIGH SPEED (92 PPM)
 DISCONNECT & INSULATE FOR NORMAL RATE (46 PPM)



OPTION: REPLACE RECOG CB-SWITCH WITH CB, ADD ON-OFF-ON SWITCH & DIODES TO EXISTING WIRING.

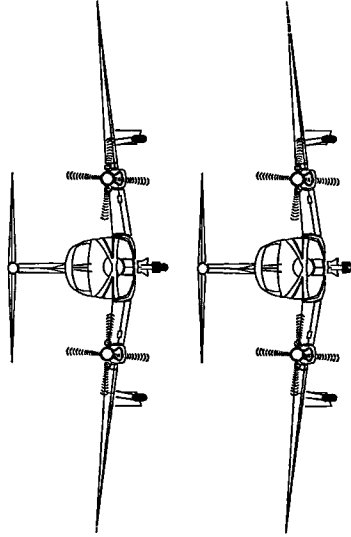


OPTION: ADD 2 POLE ON-OFF-ON SWITCH & REPLACE RECOG BREAKER.

NOTES

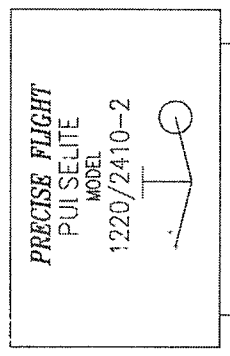
1. THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE RECOGNITION LIGHTS. DO NOT MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
2. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE. USE 16AWG OR LARGER ON RED WIRE, USE 18AWG OR LARGER ON ALL OTHER WIRES.
3. DIODES ARE AVAILABLE THROUGH PRECISE FLIGHT. DIODE KIT P/N 12007-2 NOT NEEDED FOR SIMULTANEOUS PULSE.
4. REFER TO ORIGINAL AIRCRAFT WIRING DIAGRAM NUMBER 33-48-00 PAGE 3 DATED 11/78 FOR RECOGNITION LIGHTS.
5. CUSTOMER TO SUPPLY ADDITIONAL CIRCUIT BREAKERS OR FUSES, AND SWITCHES WITH CONTACTS RATED AT TO AMPS OR LARGER.

LEGEND: = AIRCRAFT GROUND



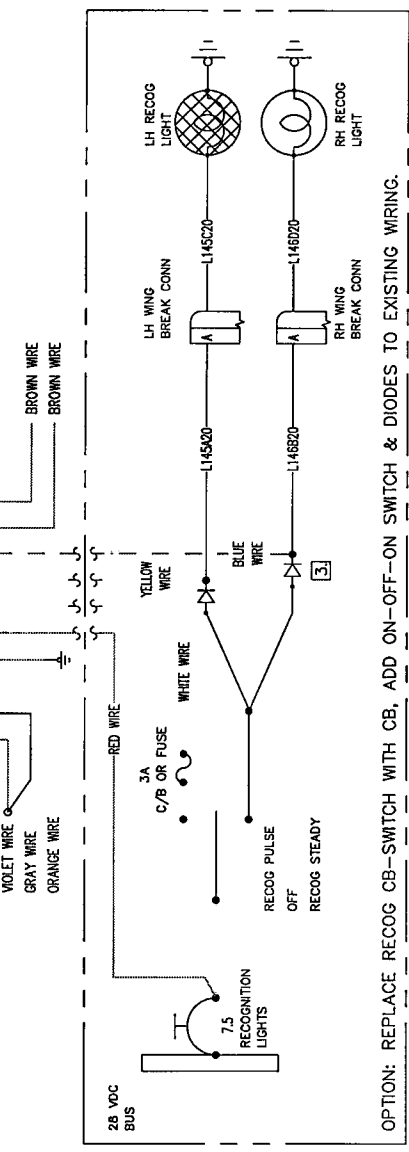
QTY	REC'D	CODE	PART NO.	DESCRIPTION	MATERIAL/AFG.	ITEM
2	1	1				
PRECISE FLIGHT, INC. 6320 POWELL BUTTE RD. BEND, OREGON 97701 www.preciseflight.com (541) 362-8884 FAX (541) 368-1105						
CONTRACT NO.		DATE		TITLE		
DRAWN		D. CREACH 06/24/98		PULSELITE CONTROL UNIT		
CHECKED		S. PHILIBEN 06/24/98		SUPER KING AIR 300		
DESIGN		S. PHILIBEN 06/24/98		SIZE		
DESIGN ACTIVITY		S. PHILIBEN 06/24/98		DWG. NO.		
				120P0052		
				SCALE		
				1=1		
				STC #		
				SA4005NM		
				REV		
				1 of 1		

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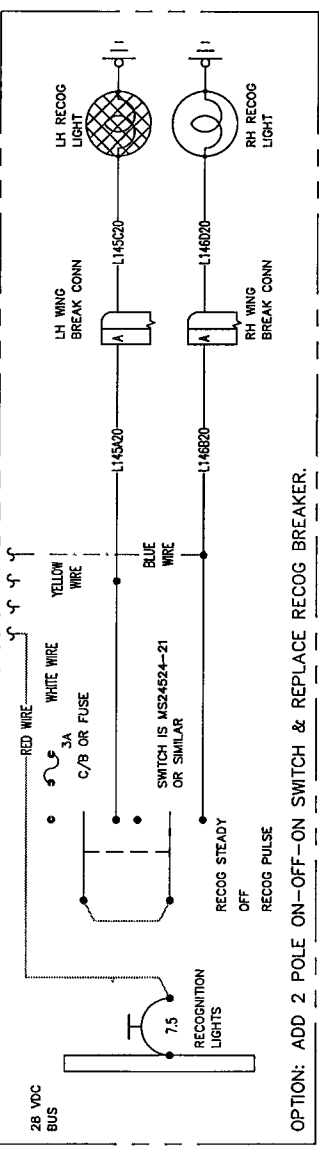


MODE SELECT:
SYNCHRONIZED PULSE: GRAY TO ORANGE
RECOMMENDED: ALTERNATE PULSE: GRAY TO VIOLET
INSULATE & TIE OFF ANY ORANGE WIRE.

PULSE RATE SELECT:
CONNECT BROWN WIRES FOR HIGH SPEED (92 PPM)
DISCONNECT & INSULATE FOR NORMAL RATE (46 PPM)



OPTION: REPLACE REC OG CB-SWITCH WITH CB, ADD ON-OFF-ON SWITCH & DIODES TO EXISTING WIRING.

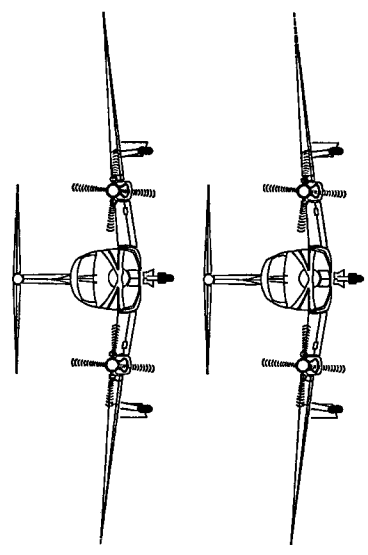


OPTION: ADD 2 POLE ON-OFF-ON SWITCH & REPLACE REC OG BREAKER.

NOTES -

- THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE RECOGNITION LIGHTS. DO NOT MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
- ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE. USE 16AWG OR LARGER ON RED WIRE, USE 18AWG OR LARGER ON ALL OTHER WIRES.
- DIODES ARE AVAILABLE THROUGH PRECISE FLIGHT. DIODE KIT PFI P/N 12007-2 NOT NEEDED FOR SIMULTANEOUS PULSE.
- REFER TO ORIGINAL AIRCRAFT WIRING DIAGRAM NUMBER 33-46-01 PAGE 3 DATED 11/78 FOR RECOGNITION LIGHTS.
- CUSTOMER TO SUPPLY ADDITIONAL CIRCUIT BREAKERS OR FUSES, AND SWITCHES WITH CONTACTS RATED AT 10 AMPS OR LARGER.

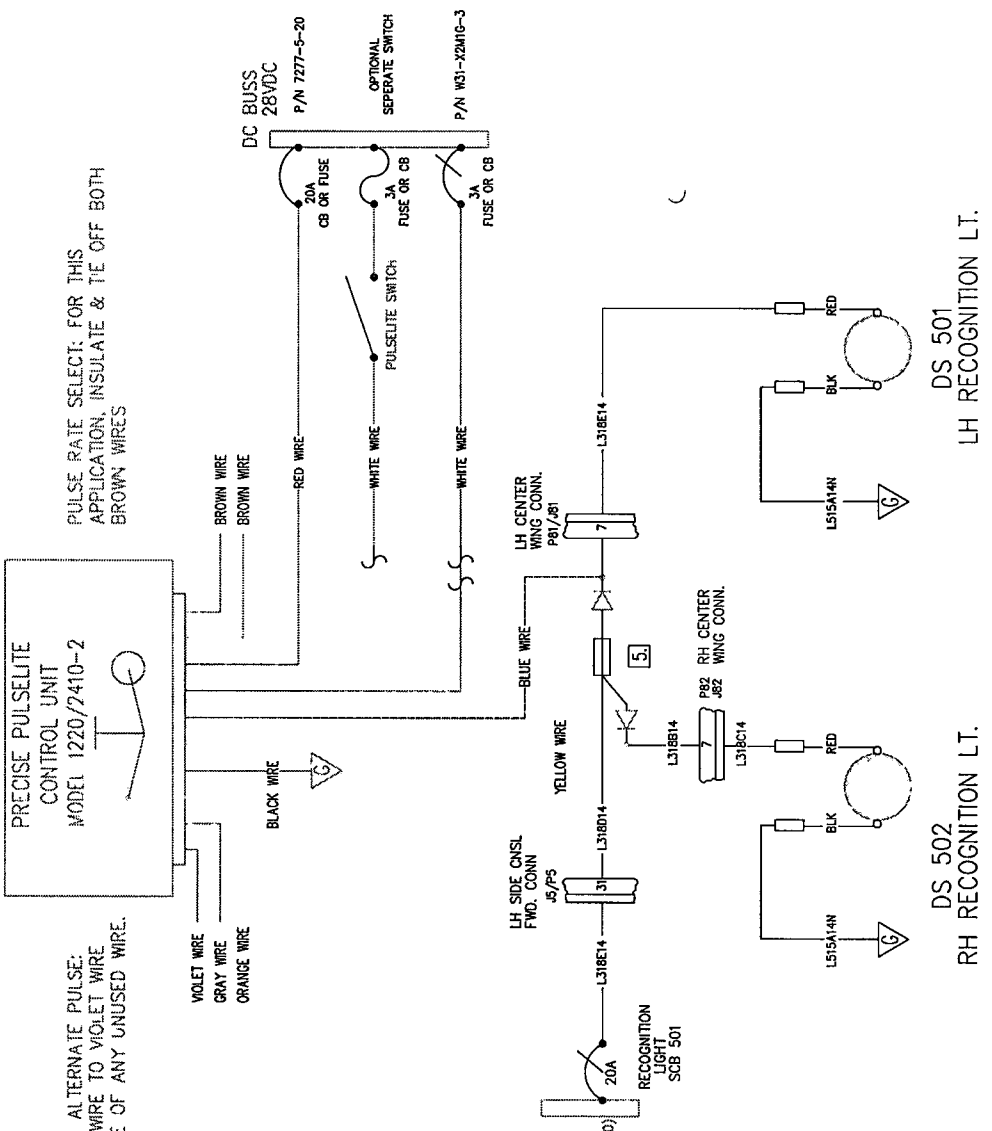
LEGEND: \perp = AIRCRAFT GROUND



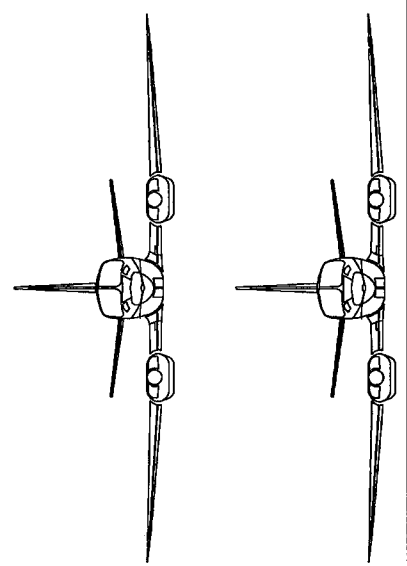
QTY	REC	CODE	PART NO.	DESCRIPTION	MATERIAL/AFG.	ITEM
-2	1	-1				
<p>ALL DIMENSIONS UNLESS SPECIFIED IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS .XX = 0.03 .XXX = 0.005 DO NOT SCALE DIMENSIONS</p>						
TREATMENT						
FINISH						
SIMILAR TO SPECIAL MK SYM						
PART NO. USED ON						
DASH NO. NEXT ASSY						
APPLICATION						
<p>EFFECTIVITY: B-232 & SUBSEQUENT, BC-20 & SUBSEQUENT</p>						
APPROVALS		DATE	TITLE			
DRAWN D. CREACH		07/02/98	PULSELITE CONTROL UNIT			
CHECKED S. PHILIBEN		07/02/98	SUPER KING AIR 100, A100 & B100			
DESIGN ACTIVITY S. PHILIBEN		07/02/98	SIZE	DWG. NO.	REV.	
			B	120P0053	-	
			SCALE	NTS	STC #	SA4005NM
			1	OF	1	

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REVISIONS				
REV.	DESCRIPTION	DRAWN	CHK.	APP.
A	UPDATED NOTES	VAR	10/13/93	10/13/93
B	UPDATED PULSEITE CONTROL UNIT	STP	11/20/95	11/20/95
C	UPDATED NOTES	DJC	11/24/98	11/24/98
D	REVISED PULSEITE SWITCH	DJC	04/27/99	04/27/99
E	REVISED TITLE & DRAWING NUMBER	DJC	05/12/00	05/12/00



- NOTES ---
1. REFERENCE ORIGINAL WIRING DIAGRAM NO. 33-40-00 FIG. 6, PAGE C, DATED 7-1-83.
 2. THIS PULSEITE SCHEMATIC IS DESIGNED TO PULSE THE RECOGNITION LIGHTS ALTERNATELY. DO NOT CHANGE THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
 3. FOR A SIMULTANEOUS PULSE, CONNECT GRAY WIRE TO ORANGE WIRE. CONNECT GRAY WIRE TO VIOLET WIRE FOR AN ALTERNATING PULSE.
 4. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE. USE 14AWG FOR PULSEITE INSTALLATION.
 5. PRECISE FLIGHT PART # P12007 DIODE SET, ONE REQUIRED.
 6. LEGEND: ∇ IS A GROUND

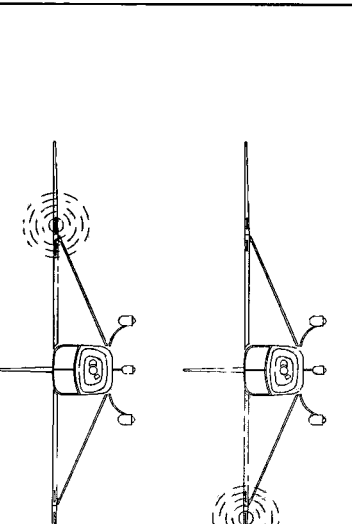
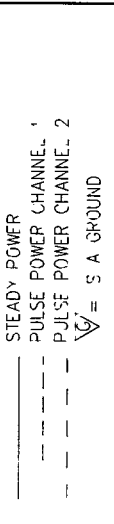
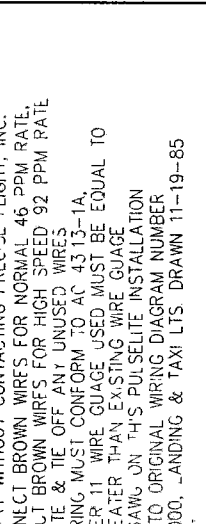


QTY	REV	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
1	1					
2	1					
CONTRACT NO. EFFECTIVITY: 0143 & ON PRECISE FLIGHT, INC. 63120 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8864 FAX (541) 388-1105 www.preciseflight.com						
TREATMENT		NO NOT SCALE DRAWINGS	DATE	TITLE	REV.	
FINISH	NO NOT SCALE DRAWINGS	NO NOT SCALE DRAWINGS	11/22/89	PULSEITE CONTROL INSTALLATION	SIZE	2100024
SIMILAR TO	NO NOT SCALE DRAWINGS	NO NOT SCALE DRAWINGS	11/22/89	CESSNA 441 - CONQUEST II	SCALE NTS	1 OF 1
PART NO	NEXT ASSY	USED ON	DESIGN ACTIVITY	DWG. NO.	SCALE NTS	1 OF 1
DASH NO	NEXT ASSY	USED ON	RGS	2100024	SCALE NTS	1 OF 1
NO	NEXT ASSY	USED ON	RGS	2100024	SCALE NTS	1 OF 1
NO	NEXT ASSY	USED ON	RGS	2100024	SCALE NTS	1 OF 1

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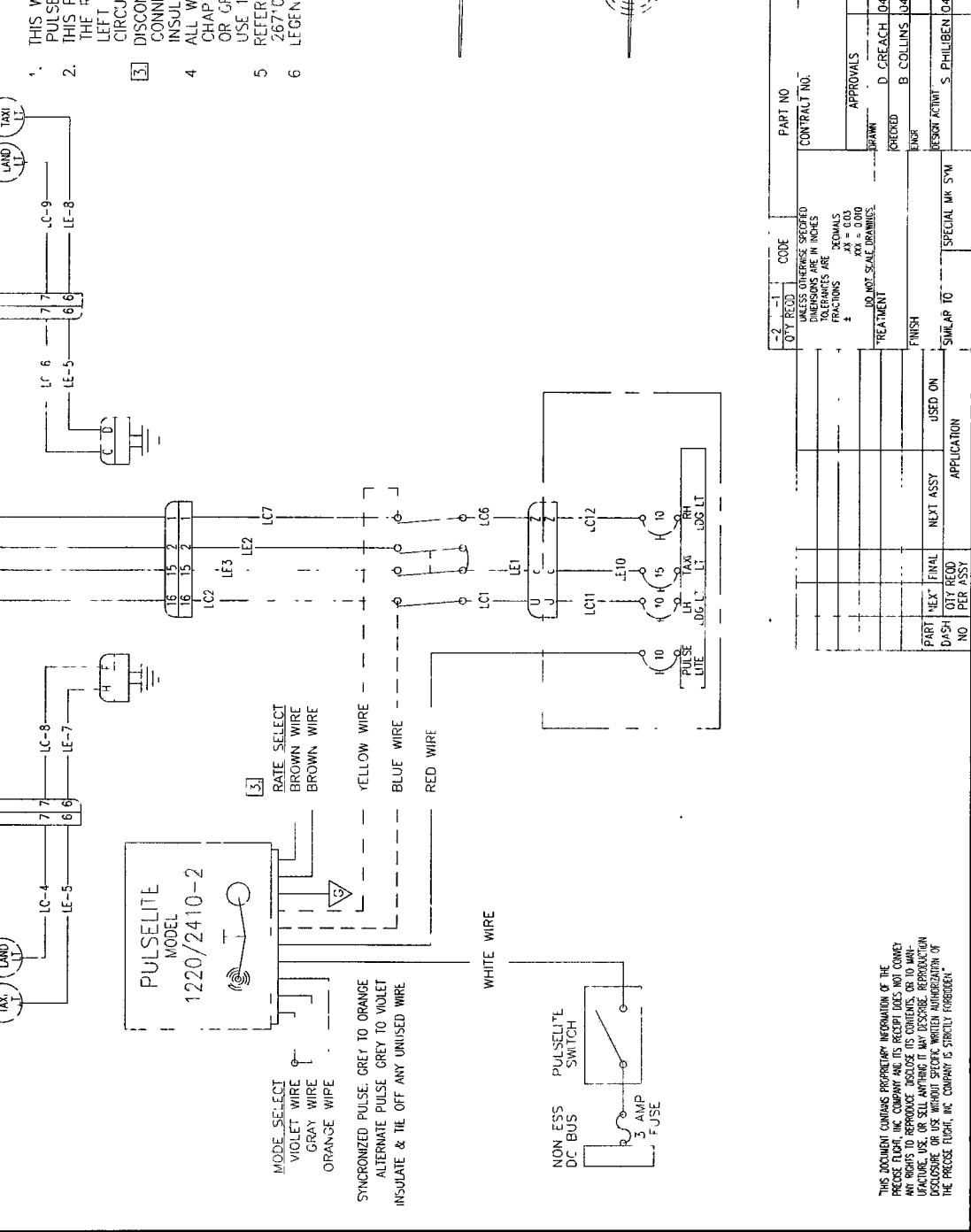
REVISIONS		DESCRIPTION	DRWN	CHK	APP
A	REVISED NOTES		VAR		
B	REVISED & REDRAWN NEW VERSION 1220 PDU		DAC	BEC	SIP
C	REVISED DRAWING NUMBER & TITLE		EJF	EWL	SIP

--- NOTES ---
 1. THIS WIRING SCHEMATIC IS APPLICABLE ONLY TO PULSELITE CONTROL UNIT MODEL 1220/2410-2
 2. THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE RIGHT LANDING LIGHT ALTERNATELY WITH THE LEFT LANDING LIGHT DO NOT MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
 3. DISCONNECT BROWN WIRES FOR NORMAL 45 PPM RATE. CONNECT BROWN WIRES FOR HIGH SPEED 92 PPM RATE. INSULATE & TIE OFF ANY UNUSED WIRES
 4. ALL WIRING MUST CONFORM TO AC 4313-1A, CHAPTER 11 WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING WIRE GAUGE
 5. USE 16AWG ON THIS PULSELITE INSTALLATION
 6. REFER TO ORIGINAL WIRING DIAGRAM NUMBER 267-0000, LANDING & TAXI LTS DRAWN 11-19-85
 7. LEGEND:



DESCRIPTION	MATERIAL/MFG.	ITEM
PRECISE FLIGHT, INC. 6370 PARK BLVD. RD. SEASIDE, OREGON 97138 (503) 382-6884 FAX (503) 388-1105		
PULSELITE CONTROL INSTALLATION CESSNA 208 CARAVAN		
DATE: 04/28/97	TITLE: PULSELITE CONTROL INSTALLATION	REV: 1
APPROVED BY: D. GREGG	SCALE: 1=1	
DESIGNED BY: B. COLLINS		
WORKING DRAWING NO. S. PHILIBEN		
STC # SA40058N		

CODE	DESCRIPTION	UNIT	QTY	RECD	DATE	BY	REMARKS
1	MODE SELECT VIOLET WIRE						
2	MODE SELECT ORANGE WIRE						
3	MODE SELECT GRAY WIRE						
4	RATE SELECT BROWN WIRE						
5	SYNCHRONIZED PULSE ORANGE WIRE						
6	ALTERNATE PULSE GRAY WIRE						
7	INSULATE & TIE OFF ANY UNUSED WIRE						



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REVISIONS			
NO.	DESCRIPTION	DRAWN	CHK.
A	WAIT CORRECTION AND SWITCH BOX	VAR	
B	UPDATED NOTES	VAR	
C	UPDATED DRAWING NUMBER & TITLE	STP	

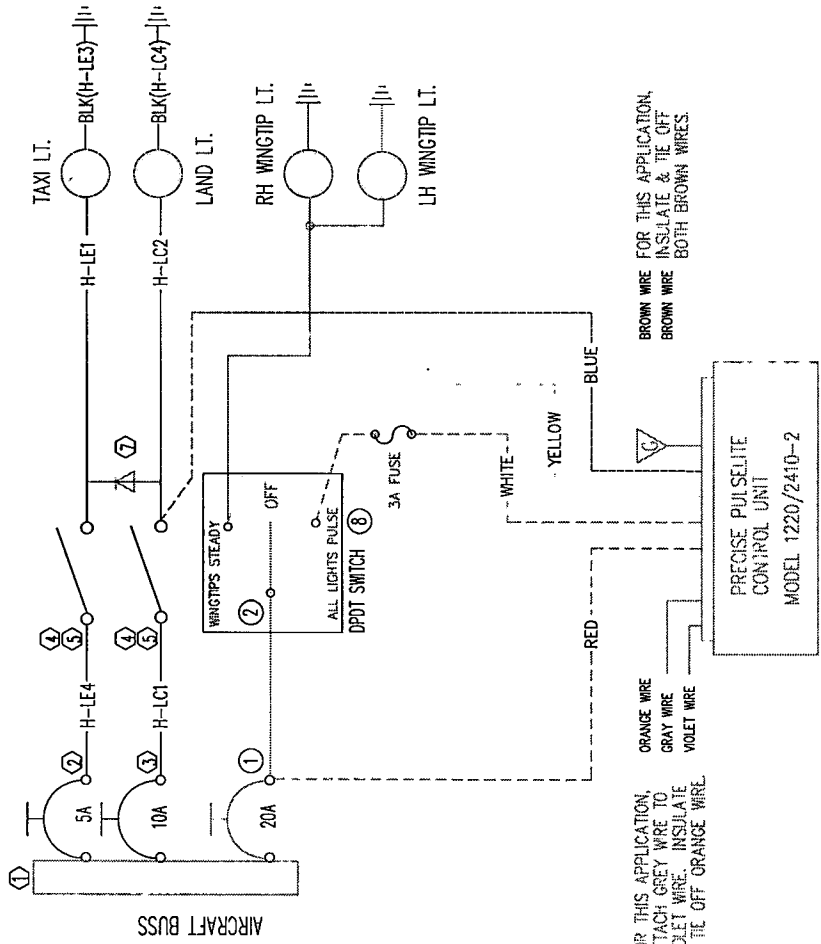
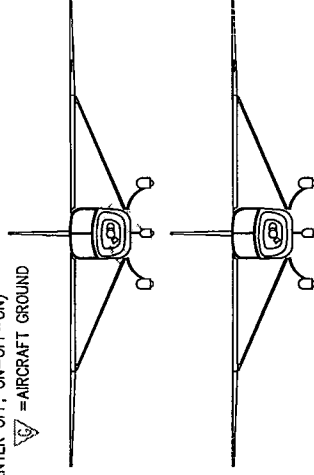
- NOTES:
1. WIRING DIAGRAM IS DESIGNED TO PULSE THE LANDING AND TAXI LIGHTS ALTERNATELY WITH BOTH WINGTIP RECOGNITION LIGHTS. CONNECT GREY WIRE TO VIOLET WIRE AT PULSELITE UNIT. DO NOT EXCEED 250 WATTS PER LAMP OR DAMAGE WILL RESULT TO PULSELITE CONTROL UNIT.
 2. PULSELITE AND WINGTIP INSTALLATION WIRE SIZE: 12/14 VDC 12AWG; 24/28 VDC 16AWG
 3. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING WIRE GAUGE.
 4. GROUND THE PULSELITE CONTROL UNIT TO AIRCRAFT GROUND.
 5. TAKE CAUTION TO INSULATE DIODE BEFORE INSTALLATION.
 6. AS PER CESSNA WIRING DWG #1271000, CODE 71379, 4-13-88
 7. DPDT SWITCH PROVIDED WITH RMD WINGTIP LIGHT KIT.

MARKERS:

- 1 AIRCRAFT BUS BAR
- 2 TAXI LIGHT CIRCUIT BREAKER
- 3 LANDING LIGHT CIRCUIT BREAKER
- 4 SWITCH & ADAPTER
- 5 ORIGINAL CROSSOVER DIODE (IF NOT INSTALLED, WIRE DIODE AS SHOWN).

- 1 PULSELITE/WINGTIP CIRCUIT BREAKER
- 2 PULSELITE/WINGTIP SWITCH (DPDT, CENTER OFF, ON-OFF-ON)

— PULSELITE WIRING
 — ORIGINAL AIRCRAFT WIRING
 — NEW WINGTIP LIGHT WIRING



VOLTAGE CAPACITY: MAY BE USED ON 12/14VDC OR 24/28VDC
 AMPERAGE CAPACITY: 12/14VDC; 20A, 24/28VDC; 10A (PER CHANNEL)
 MAXIMUM WATTAGE: 250 WATTS PER CHANNEL

FOR THIS APPLICATION,
 ATTACH GREY WIRE TO
 VIOLET WIRE. INSULATE
 & TIE OFF ORANGE WIRE.

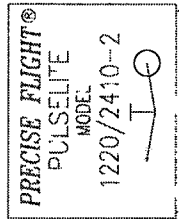
BROWN WIRE FOR THIS APPLICATION,
 INSULATE & TIE OFF
 BOTH BROWN WIRES.

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 DISCLOSURE, OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF
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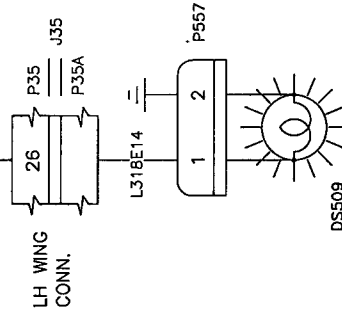
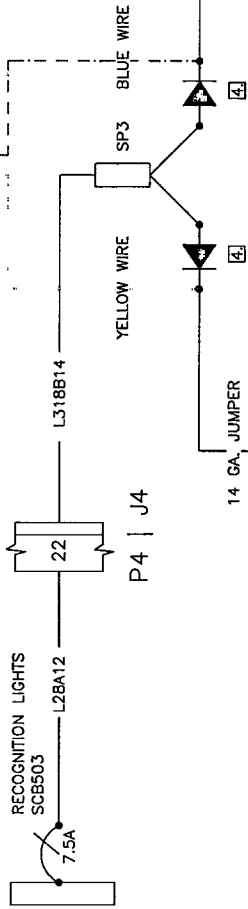
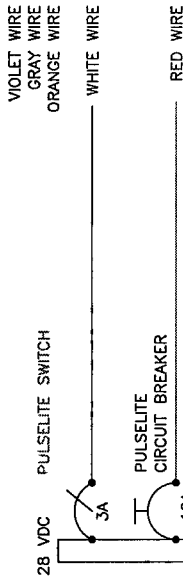
QTY		REC'D	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .005 FRACTIONS 1/32		CONTRACT NO.		PRECISE FLIGHT, INC. www.preciseflight.com 63120 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8884 FAX (541) 388-1105	
		DO NOT SCALE DRAWINGS		APPROVALS		TITLE	
		TREATMENT		DRAWN DLP		PULSELITE CONTROL INSTALLATION	
		FINISH		CHECKED RVC		CESSNA 206	
		SIMILAR TO		DESIGN AUTHORITY DJT		SIZE CODE	
		NEXT ASSY				DWG. NO.	
		PER ASSY				210P0046	
		APPLICATION				SCALE 1=1	
						STC # SA4005NN	
						1 OF 1	

REVISIONS		
REVISED TITLE	DESCRIPTION	CHK.
A	REVISED PULSE RATE SELECTOR	STP
B	REVISED PULSE RATE SELECTOR	DJC

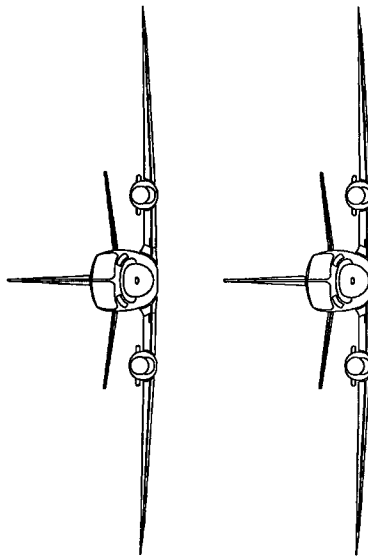
PULSE RATE SELECT:
CONNECT BROWN WIRES FOR HIGH SPEED (92 PPM)
DISCONNECT & INSULATE FOR NORMAL RATE (46 PPM)



MODE SELECT:
SYNCHRONIZED PULSE: GREY TO ORANGE
ALTERNATE PULSE: GREY TO VIOLET
INSULATE & TIE OFF ANY UNUSED WIRE.



DS509
LH RECOGNITION LIGHT



DS510
RH RECOGNITION LIGHT

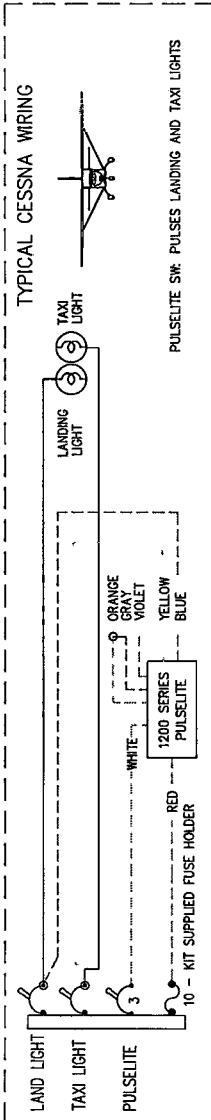
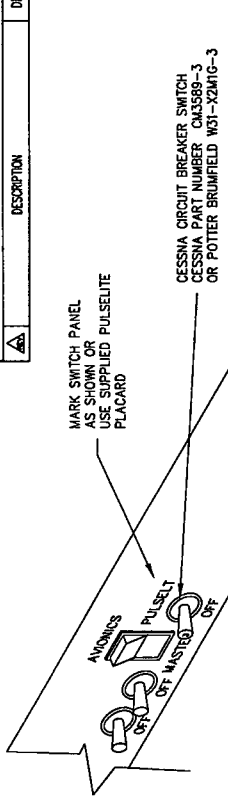
NOTES -

- THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE RECOGNITION LIGHTS. DO NOT ATTEMPT TO MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
- ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE.
- ALTERNATING PULSE IS RECOMMENDED.
- ONE DIODE SET, PFI PART # 12007, IS REQUIRED FOR ALTERNATING PULSE PATTERN.
- REFERENCE CESSNA 425 DRAWING 33-40-00 PAGE 0, FIGURE 05, DATED FEB 1, '84. EFFECTIVITY: AIRPLANES 0191 AND ON.

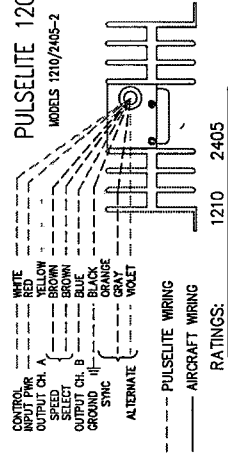
CITY	QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
					Effectivity: 0191 & ON	PRECISE FLIGHT, INC. 63120 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8684 FAX (541) 388-1105	
					APPROVALS		
					DATE		
					D. CREACH 01/28/98		
					S. PHILIBEN 01/27/98		
					S. PHILIBEN 01/27/98		
					S. PHILIBEN 01/27/98		
					DESIGN ACTIVITY		
					SCALE NTS		
					SPECIAL MK SYM		
					APPLICATION		
					NEXT ASSY		
					USED ON		
					FINISH		
					TREATMENT		
					DO NOT SCALE DRAWINGS		
					UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS FRACTIONS XXX ± 0.00		
					CONTRACT NO.		
					PRECISE FLIGHT, INC. 63120 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8684 FAX (541) 388-1105		
					TITLE		
					PULSELITE CONTROL INSTALLATION CESSNA 425		
					SIZE		
					B		
					CODE		
					210P0055		
					DWG. NO.		
					210P0055		
					REV		
					B		
					1 OF 1		

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REV. NO.	DESCRIPTION	DATE	CHK.	APP.



PULSELITE 1200 SERIES
MODELS 1210/2405-2



NOTES:
 1. ATTACH ORANGE WIRE TO GREY WIRE FOR A SIMULTANEOUS PULSE INSULATE AND TIE OFF WIRE NOT USED. REF. AC 43.13
 2. CONNECT BROWN WIRES FOR HIGH SPEED PULSING RATE (92 PPM) DISCONNECT BROWN WIRES FOR NORMAL SPEED PULSING (46 PPM).
 3. CIRCUIT BREAKER SWITCH POTTER BRUMFIELD W31-X2M1G-3 IS THE EQUIVALENT OF THE CESSNA CIRCUIT BREAKER SWITCH THE SWITCH PANEL VS. THE CESSNA SWITCH PANEL.
 4. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11, SEC. 3. WIRE SIZE MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE AND MEET THE REQUIREMENTS OF AC 43.13-1A, CHAPTER 11, SEC. 3 FIGURE 11.5.
 5. GROUND CONTROL UNIT TO AIRFRAME. (BLACK WIRE)
 6. WIRES TO BE TERMINATED WITH THE APPROPRIATE KIT SUPPLIED CRIMP TERMINAL ENDS

INSTALL PULSELITE CONTROL UNIT TO AIRCRAFT CENTER CONSOLE WITH 4 EA AN525-83Z87 SCREWS (01431) .AN960-8 WASHERS (00452) & MS21083-8 NUTS (07029) BURNISH ONE FASTENER LOCATION ON THE CONTROL UNIT AND AIRCRAFT STRUCTURE TO INSURE ADEQUATE GROUND.

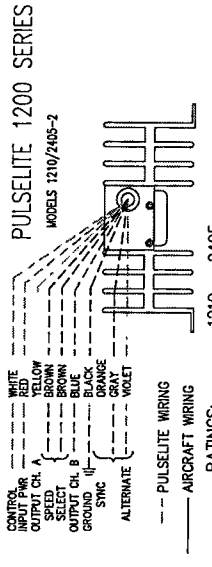
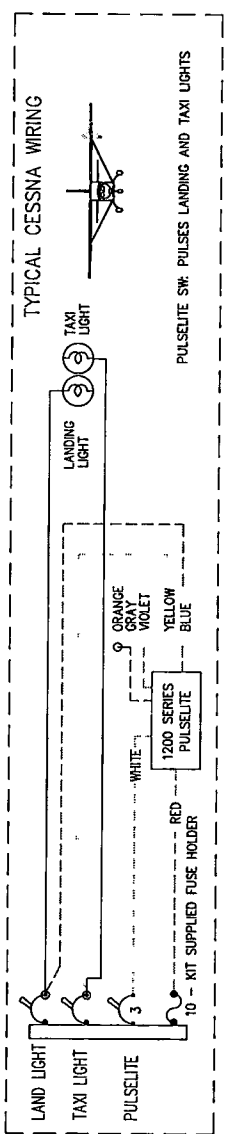
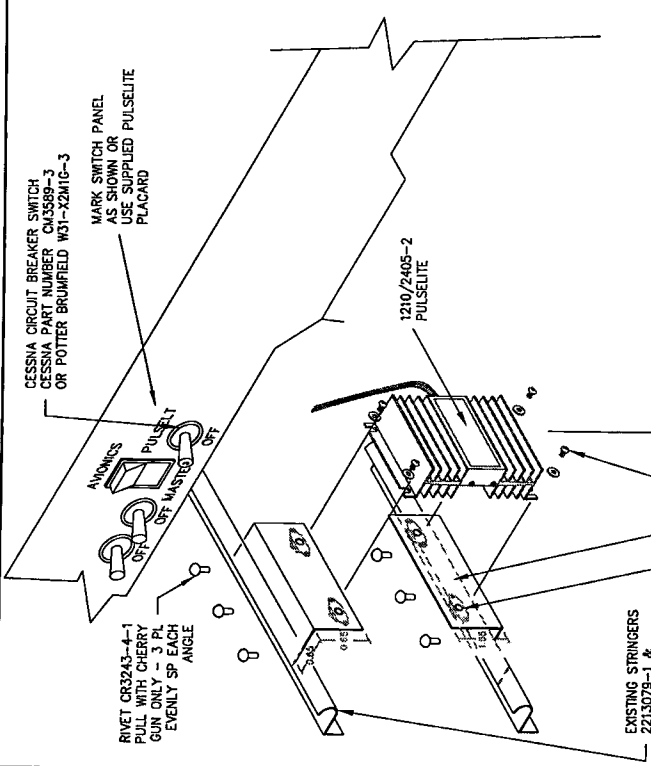
13.5



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ITEM	DESCRIPTION	MATERIAL/MFG.
	PRECISE FLIGHT, INC. 63720 POWELL BUTTE RD. BEND, OREGON 97701 (541) 362-8684 FAX (541) 368-1105 www.preciseflight.com	
	PULSELITE CONTROL INSTALLATION CESSNA 172	
	CONTRACT NO.	
	APPROVALS	
	DATE	
	DESIGN ACTIVITY	
	SCALE	1=1
	STC #	SA4005NM
	REV	210P0057-
		1 OF 1

REVISIONS	DESCRIPTION	DRAWN	CHK.	APP.



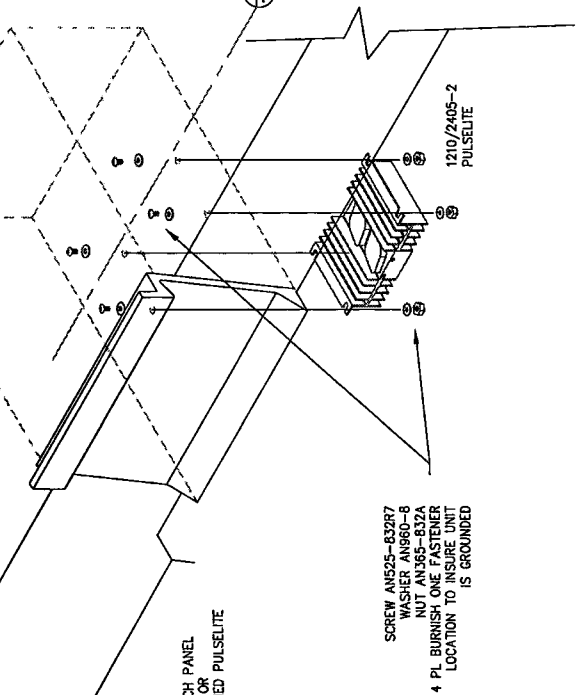
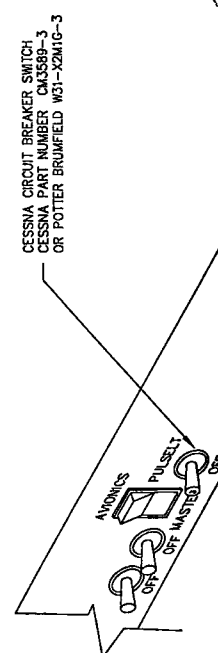
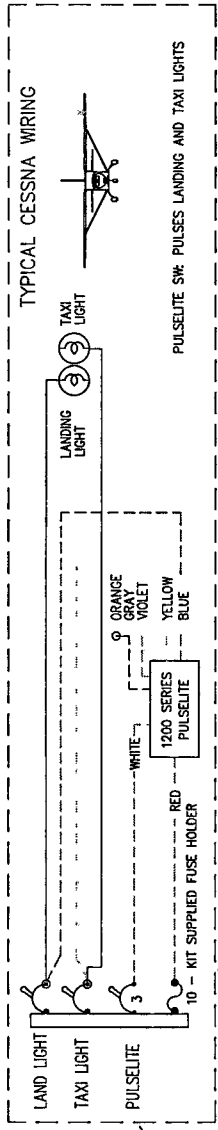
NOTES:

- ATTACH ORANGE WIRE TO GREY WIRE FOR A SIMULTANEOUS PULSE INSULATE AND TIE OFF WIRE NOT USED. REF. AC 43.13
- CONNECT BROWN WIRES FOR HIGH SPEED PULSING RATE (92 PPM). DISCONNECT BROWN WIRES FOR NORMAL SPEED PULSING (46 PPM).
- CIRCUIT BREAKER SWITCH POTTER BRUMFIELD W31-X2MIG-3 IS THE EQUIVALENT OF THE CESSNA CIRCUIT BREAKER SWITCH. THE POTTER BRUMFIELD SWITCH ALLOWS FOR A DOUBLE D OPENING IN THE SWITCH PANEL VS. THE CESSNA SWITCH PANEL.
- ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11, SEC. 3. WIRE SIZE MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE AND MEET THE REQUIREMENTS OF AC 43.13-1A, CHAPTER 11, SEC. 3 FIGURE 11.5.
- GROUND CONTROL UNIT TO AIRFRAME. (BLACK WIRE)
- WIRES TO BE TERMINATED WITH THE APPROPRIATE KIT SUPPLIED CRIMP TERMINAL ENDS
- SINGLE LIGHT OPTION: ATTACH BOTH BLUE & YELLOW OUTPUT WIRES TO LANDING LIGHT USED. ATTACH ORANGE WIRE TO GREY WIRE FOR SIMULTANEOUS PULSE.

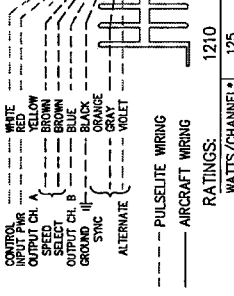
ITEM	DESCRIPTION	PART NO.	MATERIAL/AFG.	REV
	PULSELITE CONTROL INSTALLATION		PRECISE FLIGHT, INC. POWELL BUTTE RD, BEND, OREGON 97701 (541) 382-8884 FAX (541) 388-1105	
	CESNA 182			
	DATE	02/17/99		
	APPROVALS	STP		
	CHECKED	MEB		
	SKED	STP		
	DESIGN ACTIVITY	STP		
	SCALE	1=1		
	SPECIAL MK SW			
	APPLICATION			
	USED ON			
	NEXT ASSY			
	FINAL			
	QTY RECD			
	PER ASSY			

NO	DASH	PART	QTY	RECD	PER	ASSY	APPLICATION	FINISH	TREATMENT	DO NOT SCALE DRAWINGS	TOLERANCES ARE FRACTIONS UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	CONTRACT NO.	PRECISE FLIGHT, INC. 63120 POWELL BUTTE RD, BEND, OREGON 97701 (541) 382-8884 FAX (541) 388-1105	DATE	TITLE	SCALE	REV	ITEM

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PULSELITE 1200 SERIES
MODELS 1210/2405-2



NOTES:

- ATTACH ORANGE WIRE TO GREY WIRE FOR A SIMULTANEOUS PULSE INSULATE AND TIE OFF WIRE NOT USED. REF. AC 43.13
- CONNECT BROWN WIRES FOR HIGH SPEED PULSING RATE (82 PPM). DISCONNECT BROWN WIRES FOR NORMAL SPEED PULSING (46 PPM).
- CIRCUIT BREAKER SWITCH POTTER BRUMFIELD W31-K2M1G-3 IS THE EQUIVALENT OF THE CESSNA CIRCUIT BREAKER SWITCH THE POTTER BRUMFIELD SWITCH ALLOWS FOR A DOUBLE D OPENING IN THE SWITCH PANEL VS. THE CESSNA SWITCH PANEL.
- ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11, SEC. 3. WIRE SIZE MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE AND MEET THE REQUIREMENTS OF AC 43.13-1A, CHAPTER 11, SEC. 3 FIGURE 11.5.
- GROUND CONTROL UNIT TO AIRFRAME. (BLACK WIRE)
- WIRES TO BE TERMINATED WITH THE APPROPRIATE KIT SUPPLIED CRIMP TERMINAL ENDS
- SINGLE LIGHT OPTION: ATTACH BOTH BLUE & YELLOW OUTPUT WIRES TO LANDING LIGHT USED. ATTACH ORANGE WIRE TO GREY WIRE FOR SIMULTANEOUS PULSE.

QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/AFC.	ITEM
			CONTRACT NO.			
			PRECISE FLIGHT, INC.			
			6320 POWELL BUTTE RD. BEND, OREGON 97701			
			(541) 362-8884 FAX (541) 368-1105			
			APPROVALS	DATE	TITLE	
			DRAWN	5/12/00	PULSELITE CONTROL INSTALLATION	
			CHECKED	5/12/00	CESSNA 206	
			ENGR	5/12/00		
			DESIGN ACTIVITY	5/12/00		
			SPECIAL MK STM			
			APPLICATION			
			NO			
			PER ASSY			
			USED ON			
			NEXT ASSY			
			FINISH			
			TREATMENT			
			DO NOT SCALE DIMENSIONS			
			UNLESS OTHERWISE SPECIFIED			
			ALL DIMENSIONS IN INCHES			
			TOLERANCES ARE:			
			FRACTIONS			
			.XX = 0.00			
			.XXX = 0.000			
			DO NOT SCALE DIMENSIONS			
			SIMILAR TO			
			SCALE 1=1			
			DWG. NO.			
			210P0066			
			REV.			
			1 OF 1			

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REVISIONS			
REV	DESCRIPTION	DRWN	CHK
A	REVISED RELAY WIRING	DAC	STP
A	REVISED PULSE RATE SWITCH WIRING & SPEC	12/12/00	12/12/00

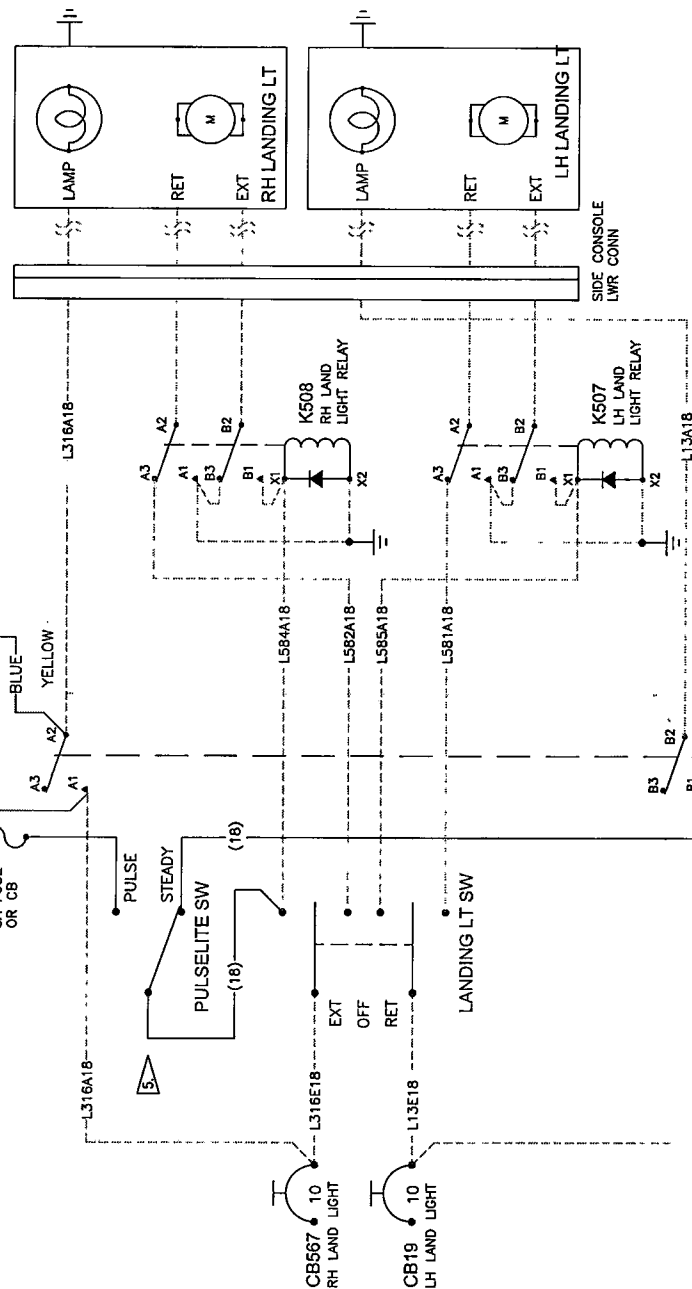
MODE SELECT:
ALTERNATE PULSE: GRAY TO VIOLET
INSULATE & TIE OFF ANY UNUSED WIRE

PULSE RATE SELECT:
CONNECT BROWN WIRES FOR HIGH SPEED (92 PPM)
DISCONNECT & INSULATE FOR NORMAL RATE (46 PPM)

- NOTES —
- THIS PULSE RATE SCHEMATIC IS DESIGNED TO PULSE THE LANDING LIGHTS ALTERNATELY. DO NOT ATTEMPT TO MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
 - ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11, SEC.3. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE AND MEET THE REQUIREMENTS OF AC 43.13-1A, CH.11, SEC.3, FIGURE 11.5.
 - GRAY WIRE MUST BE CONNECTED TO VIOLET WIRE

- RELAY K-P1 IS A MIDTEK 187-32C200 OR SIMILAR (PFI P/N 01565) RELAY INTERRUPTS LANDING LT POWER WHEN PULSE RATE IS ON.
- SWITCH SHOWN IS 2 POSITION ON-ON TOGGLE.

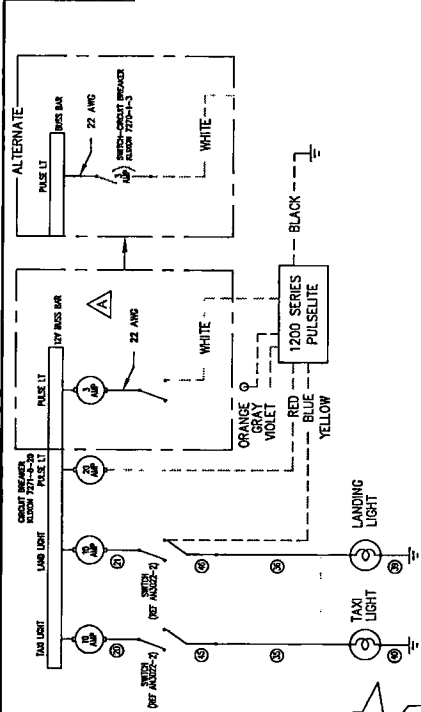
- LEGEND:
- PULSE POWER ϕ 1
 - PULSE POWER ϕ 2
 - EXISTING A/C WIRE
 - IS AIRCRAFT GROUND



QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
1			421C0083 & ON	PRECISE FLIGHT, INC.	PRECISE FLIGHT, INC.	
EFFECTIVITY:						
APPROVALS:						
DRWN	D. GREACH	05/17/00				
CHECKED	S. GRAVES	05/17/00				
ENGR	S. PHILIBEN	05/17/00				
DESIGN AUTHORITY	S. PHILIBEN	05/17/00				
TREATMENT: NO NOT SCALE DIMENSIONS						
FINISH:						
SIMILAR TO: SPECIAL MK STM						
PART NO. NEXT ASSY USED ON						
DASH QTY RECD PER ASSY						
APPLICATION						
TITLE: PULSE RATE SELECT SWITCH WIRING & SPEC						
DATE: 05/17/00						
SIZE: B						
DWG. NO. 210P0070						
SCALE: NTS						
STC # SA4005NM						
REV. 1 OF 1						

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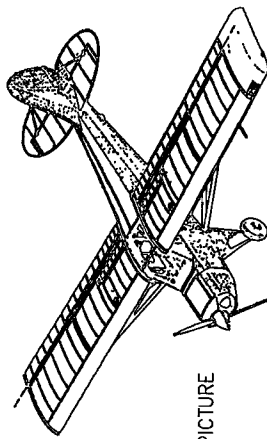
REVISIONS			
NO.	DESCRIPTION	DRAWN	CHK.
A	REVISED CIRCUIT FOR SEPARATE BREAKER FOR PULSELITE POWER - ALTERNATE SWITCH ADDED	STP	EVL
B	REVISED MOUNTING LOCATION FROM FIREWALL TO INNER KICKPANEL. DELETED OPTIONAL NOTPLATE USAGE	DJC	JNS



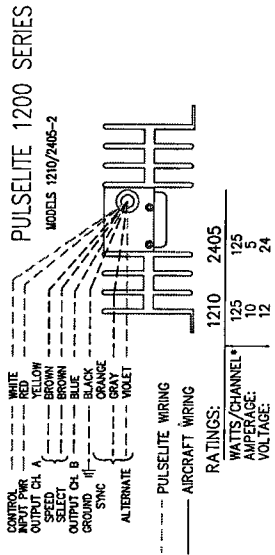
TYPICAL AVIAT WIRING



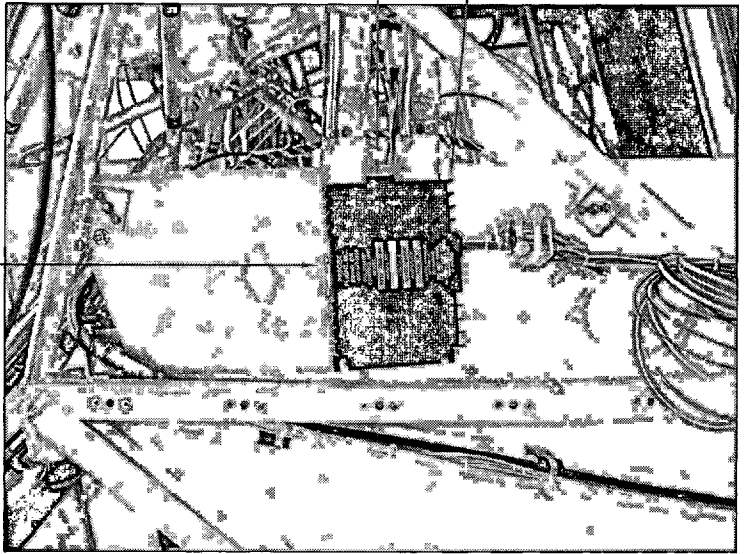
PULSELITE SW: PULSES LANDING AND TAXI LIGHTS



TYPICAL AVIAT HUSKY PICTURE



- NOTES:**
1. ATTACH ORANGE WIRE TO GREY WIRE FOR A SIMULTANEOUS PULSE INSULATE AND TIE OFF WIRE NOT USED. REF. AC 43.13-1B.
 2. CONNECT BROWN WIRES FOR HIGH SPEED PULSING RATE (92 PPM). DISCONNECT BROWN WIRES FOR NORMAL SPEED PULSING (46 PPM).
 3. COCKPIT INSTRUMENT PANEL SWITCH MS35058-22 (OR EQUIV.)
 4. ALL WIRING MUST CONFORM TO AC 43.13-1B, CHAPTER 11, SEC. 3, 5, 7 & 8. WIRE SIZE MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE AND MEET THE REQUIREMENTS OF AC 43.13-1B, CHAPTER 11, SEC. 5 FIGURE 11.2.
 5. GROUND CONTROL UNIT TO AIRFRAME. (BLACK WIRE)
 6. WIRES TO BE TERMINATED WITH THE APPROPRIATE KIT SUPPLIED CRIMP TERMINAL ENDS.
 7. SINGLE LIGHT OPTION: ATTACH BOTH BLUE & YELLOW OUTPUT WIRES TO LANDING LIGHT USED. ATTACH ORANGE WIRE TO GREY WIRE FOR SIMULTANEOUS PULSE.

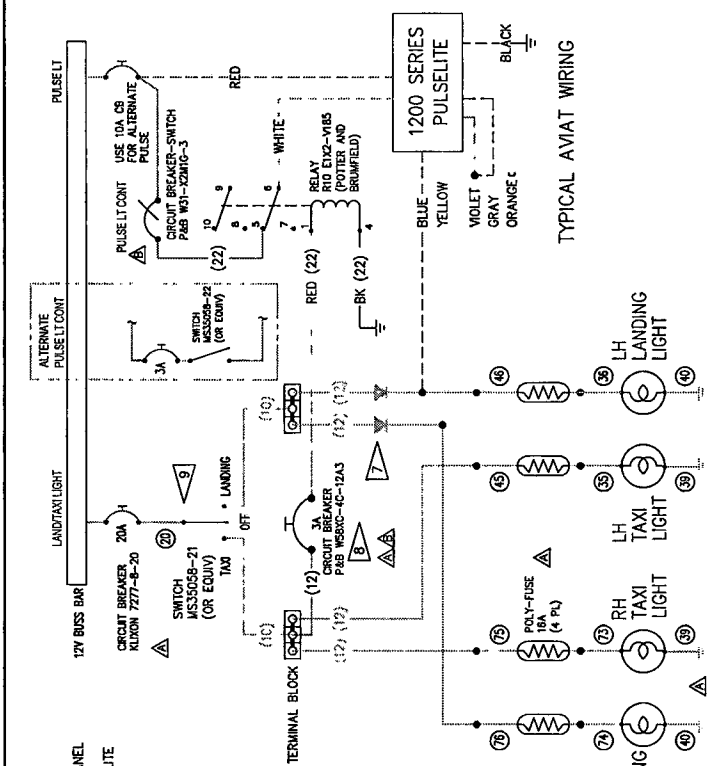


MOUNT 15" AFT OF THE LOWER PART OF THE FIREWALL AND 16.5" ABOVE THE FLOORBOARD AT FUSELAGE STATION 45 ON THE RIGHT SIDE.

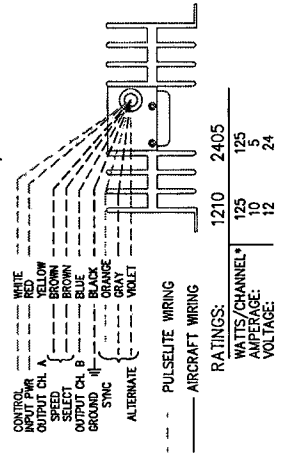
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QTY		PRT CODE		PART NO.		DESCRIPTION		MATERIAL/AFG.		ITEM	
2	1	1	1								
<p>CONTRACT NO. _____</p> <p>PRECISE FLIGHT, INC. www.preciseflight.com</p> <p>63354 POWELL BUTTE ROAD BEND OREGON 97701</p> <p>(541) 382-3684 FAX (541) 386-1105</p>											
TREATMENT		NO WPT SCALE DIMENSIONS		DRAWN		DATE		TITLE		REV.	
FINISH		---		S. PHILIBEN		07/02/99		PULSELITE 1200 SERIES		2200001	
SIMILAR TO		SPECIAL MK STM		S. PHILIBEN		07/02/99		AVIAT HUSKY INSTALLATION		1 of 1	

REVIEWS			
APP.	CHK.	DRAWN	DESCRIPTION
JNS	JNS	DJC	ADDED RH LIGHTS; REVISED CB & SW REFERENCES
JNS	JNS	DJC	ADDED POL PULSES; DIODES & INSTALLATION NOTE
JNS	JNS	DJC	REV A NOT UTILIZED; AVIAT REQUEST;
JNS	JNS	DJC	REPLACED RELAY CONTROL FUSE WITH CB;
JNS	JNS	DJC	RE-ROUTED PULSELITE CB POWER; ADD PLACARDS



PULSELITE 1200 SERIES
MODELS 1210/2405-2



TYPICAL AVIAT WIRING

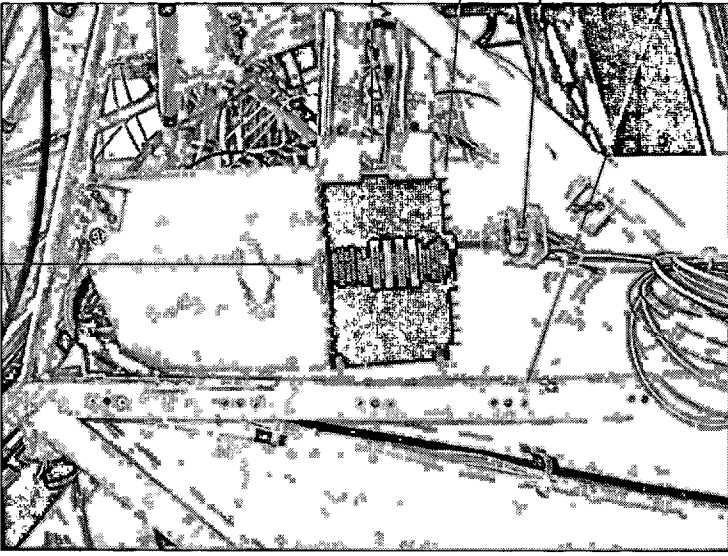
NOTES:

- SINGLE LIGHT OPTION: ATTACH BOTH BLUE & YELLOW OUTPUT WIRES TO LANDING LIGHT USED. ATTACH ORANGE WIRE TO GREY WIRE FOR SIMULTANEOUS PULSE. INSULATE AND TIE OFF WIRE NOT USED. REF. AC 43.13-1B (OR LATER REVISION).
- CONNECT BROWN WIRES FOR HIGH SPEED PULSING RATE (92 PPM), DISCONNECT BROWN WIRES FOR NORMAL SPEED PULSING (46 PPM).
- COCKPIT INSTRUMENT PANEL SWITCH MS35058-22 (OR EQUIV).
- ALL WIRING MUST CONFORM TO AC 43.13-1B, CHAPTER 11, SEC. 3, 5, 7 & 8. (OR LATER REVISION) WIRE SIZE MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE AND MEET THE REQUIREMENTS OF AC 43.13-1B (OR LATER), CHAPTER 11, SEC. 5 FIGURE 11.2.
- GROUND CONTROL UNIT TO AIRFRAME. (BLACK WIRE)
- WIRES TO BE TERMINATED WITH THE APPROPRIATE CRIMP TERMINAL ENDS.
- GLUE RUBBER PAD UNDER DIODES AND SLIGHTLY BEND UP DIODES SO AS TO NOT GROUND OUT. SECURE DIODES TO A TERMINAL BLOCK.
- INSTALL TERMINAL COVERS ON BOTH CIRCUIT BREAKER TERMINALS.
- PLACARD SWITCH PANEL: DO NOT OPERATE TAXI LIGHTS IF PLSLT RELAY BREAKER IS TRIPPED.

ATTACH WITH #8 SCREWS, WASHERS & SELF LOCKING NUTS, 4 PLACES

PLACARD: PLSLT RELAY

ATTACH TERMINAL BLOCKS HERE



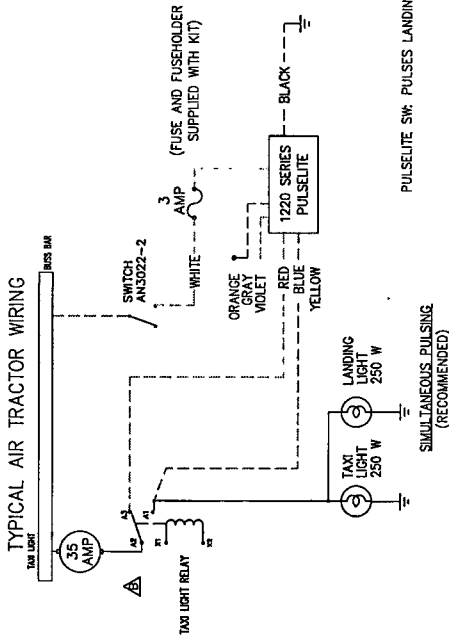
MOUNT 15" AFT OF THE LOWER PART OF THE FIREWALL ON THE RIGHT SIDE AND 16.5" ABOVE THE FLOORBOARD AT FUSELAGE STATION 45.

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QTY	RECD	PTI	CODE	PART NO.	DESCRIPTION	MATERIAL	MFG.	ITEM
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS ARE DECIMALS XX = 0.03 XXX = 0.00 DO NOT SCALE DRAWINGS TREATMENT FINISH SIMILAR TO SPECIAL MK SYM								
CONTRACT NO.				PRECISE FLIGHT, INC. www.preciseflight.com 63354 POWELL BUTTE ROAD - BEND OREGON 97701 (541) 382-8684 - FAX (541) 388-1105				
APPROVALS				TITLE				
DRAWN S. PHILIBEN 06/26/02				PULSELITE 1200 SERIES				
CHECKED D. CREACH 06/26/02				AVIAT HUSKY INSTALLATION				
ENGR S. PHILIBEN 06/26/02				DWG. NO.				
DESIGN ACTIVITY S. PHILIBEN 07/10/02				CODE				
				SIZE				
				SCALE				
				NTS				
				STC # SA4005NM				
				REV.				
				2200003				
				1 OF 1				

REVISIONS			
Δ	DESCRIPTION	DRAWN	CHK.
A	CLARIFIED 1220 REFERENCE	DJC	STP
B	CORRECTED RELAY DIAGRAM	DJC	JNS
C	ADDED ALTERNATE PULSING OPTION	DJC	DJC

TYPICAL AIR TRACTOR WIRING

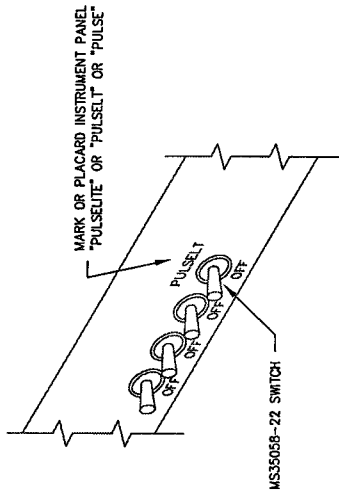


PULSELITE SW. PULSES LANDING AND TAXI LIGHTS

TYPICAL AIR TRACTOR WIRING



ALTERNATE PULSING

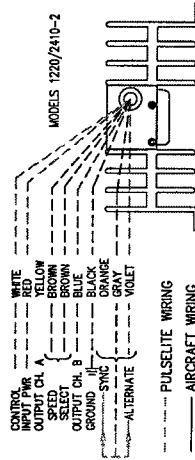


MS35058-22 SWITCH

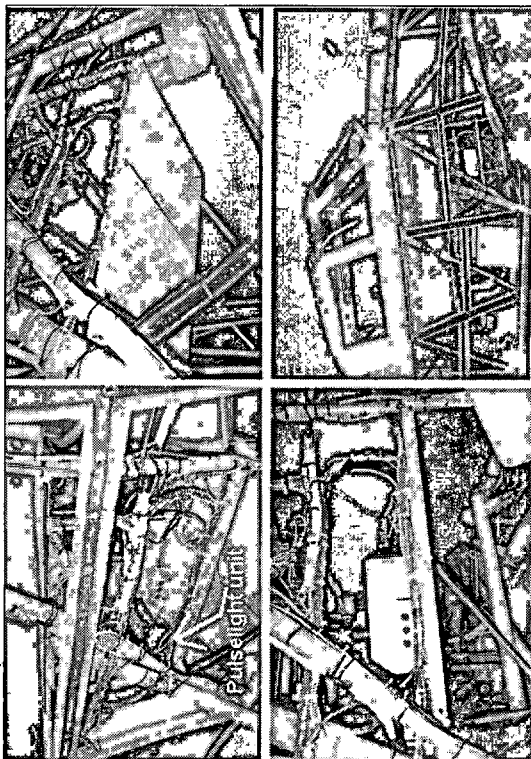
NOTES:

- ATTACH ORANGE WIRE TO GRAY WIRE FOR A SIMULTANEOUS PULSE OR GRAY TO VIOLET FOR ALTERNATE PULSE. INSULATE AND TIE OFF WIRE NOT USED. REF. CURRENT AC 4.3.13-1, -2.
- CONNECT BROWN WIRES FOR HIGH SPEED PULSING RATE (92 PPM), DISCONNECT BROWN WIRES FOR NORMAL SPEED PULSING (46 PPM).
- COCKPIT INSTRUMENT PANEL SWITCH MS35058-22 (OR EQUIV.)
- ALL WIRING MUST CONFORM TO CURRENT AC 4.3.13-1, CHAPTER 11, SEC. 7. WIRE SIZE MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE AND MEET THE REQUIREMENTS OF CURRENT AC 4.3.13-1, CHAPTER 11, SEC. 5 FIGURE 11.2.
- GROUND CONTROL UNIT TO AIRFRAME. (BLACK WIRE)
- WIRES TO BE TERMINATED WITH THE APPROPRIATE KIT SUPPLIED CRIMP TERMINAL ENDS
- SINGLE LIGHT OPTION: ATTACH BOTH BLUE & YELLOW OUTPUT WIRES TO TAXI LIGHT RELAY. ATTACH ORANGE WIRE TO GRAY WIRE FOR SIMULTANEOUS PULSE.
- ATTACH PULSELITE TO AVONICS SHELF WITH KIT SUPPLIED HARDWARE. BURNISH ONE FASTENER TO INSURE PULSELITE IS BONDED TO AIRFRAME.

PULSELITE 1220 SERIES



RATINGS:	1220	2410
WATTS/CHANNEL	250	250
AMPERAGE	20	10
VOLTAGE	12	24
* CHANNELS MAY BE STRAPPED		



TOP LEFT: AVONICS SHELF, AT-802P R/H WING. PULSELITE IS MOUNTED IN STARBOARD REAR OF THE SHELF

TOP RIGHT: AVONICS SHELF BELOW & RIGHT. BLUE & YELLOW PULSELITE WIRES ARE TIE-WRAPPED TO STRUCTURE AT UPPER LEFT.

LOWER LEFT: RIGHT/ATT VIEW SHOWING AVONICS SHELF, RED, BLUE, & YELLOW PULSELITE WIRES FOLLOW STRUCTURE TO WIRE BUNDLE, THEN ROUTE TO TAXI LIGHT RELAY.

LOWER RIGHT: OVERALL VIEW OF AVONICS AREA BELOW FRONT COCKPIT.

CONTRACT NO.

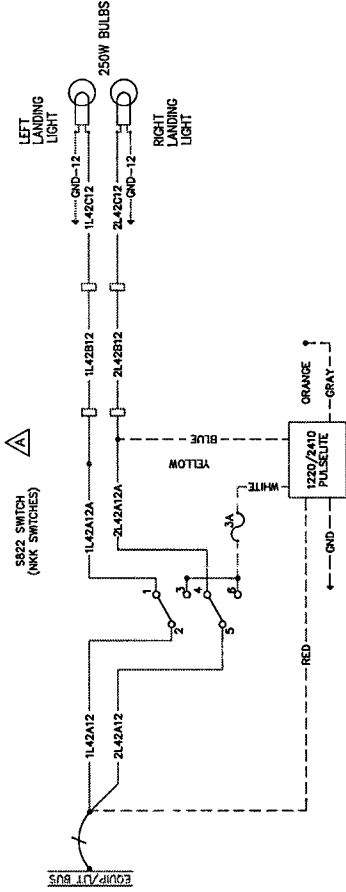
PRECISE FLIGHT, INC.

6335A POWELL BUTTE ROAD, BEND, OREGON 97701
(541) 382-8664, FAX (541) 388-1105

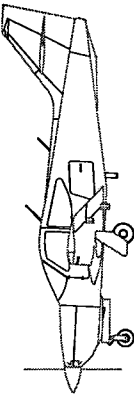
APPROVALS	DATE	TITLE
DRAWN S. PHILIBEN	04/06/00	PULSELITE 1200 SERIES
CHECKED D. CREACH	04/06/00	AIR TRACTOR INSTALLATION
DESIGN KIMWY	04/06/00	SIZE CODE
ISSUED S. PHILIBEN	04/06/00	B
SCALE 1:1		DWG. NO. 225P0001C
		STC # SA4005NM
		REL 1 OF 1

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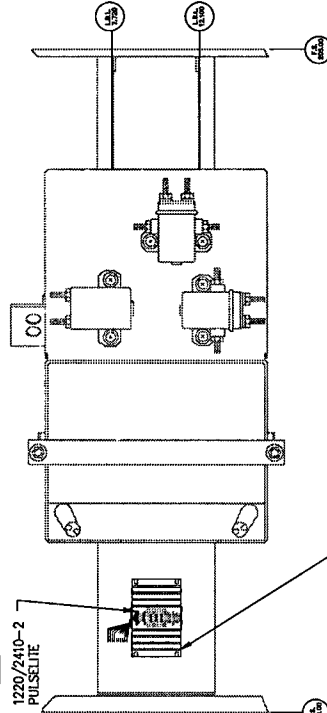
REVISIONS			
REV	DESCRIPTION	DATE	APP.
A	REVISE PULSELITE MODEL SWITCH REFERENCE & LOCATION REVISE NOTES TO ALLOW ALTERNATING PULSE	07/17/00	STP 08/16/00



TYPICAL COMMANDER WIRING

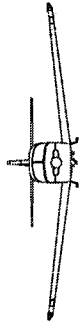


THIS EQUIPMENT SHELF IS LOCATED JUST AFT OF THE BAGGAGE DOOR

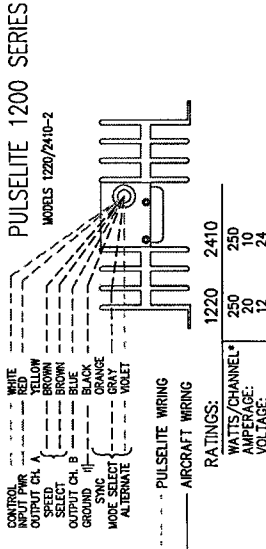


- OPTIONAL NUTPLATE MS2105R08
- (2) WASHER AN960-8
- (2) NUT AN1565-8BZA
- 4 PL BUSHING ONE PER TERMINAL LOCATION TO BE GROUNDING IS GROUNDING

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PULSELITE SWR PULSES LANDING LIGHTS ALTERNATELY



NOTES:

- ATTACH ORANGE WIRE TO GRAY WIRE FOR A SIMULTANEOUS PULSE. ATTACH VIOLET WIRE TO GRAY WIRE FOR ALTERNATING PULSE. INSULATE AND TIE OFF WIRE NOT USED. REF. AC 4.3.13-1B
- CONNECT BROWN WIRES FOR HIGH SPEED PULSING RATE (92 PPM), DISCONNECT BROWN WIRES FOR NORMAL SPEED PULSING (46 PPM)
- COCKPIT INSTRUMENT PANEL SWITCH MS35058-22 (OR EQUIV.)
- ALL WIRING MUST CONFORM TO AC 4.3.13-1B, CHAPTER 11, SEC. 7. WIRE SIZE MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE AND MEET THE REQUIREMENTS OF AC 4.3.13-1B, CHAPTER 11, SEC. 5 FIGURE 11.2.
- GROUND CONTROL UNIT TO AIRFRAME. (BLACK WIRE)
- WIRES TO BE TERMINATED WITH THE APPROPRIATE KIT SUPPLIED CRIMP TERMINAL ENDS
- SINGLE LIGHT OPTION ATTACH BOTH BLUE & YELLOW OUTPUT WIRES TO LANDING LIGHT USED. ATTACH ORANGE WIRE TO GRAY WIRE FOR SIMULTANEOUS PULSE.
- LOCATE TOGGLE SWITCH IN OPEN AREA ON LEFT SIDE OF INSTRUMENT PANEL

QTY	RECD	CODE	DESCRIPTION	PART NO.	MATERIAL/MFG.	ITEM
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .XX = 0.03 FRACTIONS 1/16 = 0.0625 DO NOT SCALE DIMENSIONS			
			TREATMENT			
			FINISH			
			SIMILAR TO			
			SPECIAL MK SYM			
			APPLICATION			
			PART NEXT FINAL			
			DASH QTY PER NO PER ASSY			
			APPROVALS			
			DATE			
			TITLE			
			CONTRACT NO.			
			PRECISE FLIGHT, INC. 63120 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8884 FAX (541) 388-1105 www.preciseflight.com			
			PULSELITE CONTROL INSTALLATION COMMANDER			
			DESIGN AUTHORITY			
			SIZE			
			CODE			
			DMG. NO.			
			REV			
			235P0001			
			SCALE 1=1			
			STC # SA4005NM			
			1 OF 1			



Essentials for Safety and Performance.

63354 POWELL BUTTE RD, BEND, OREGON 97701, USA

PRECISE FLIGHT		ENGINEERING DRAWING LIST				240P0000	REV. -		
63354 POWELL BUTTE RD, BEND, OREGON 97701, USA		Project: CubCrafters Pulselite System		Customer: CubCrafters		5/5/2015			
		STC: SA4005NM		File: L:\DRAWINGS\xxxx\hnn\DWG\1\FILENAME"		Note: Rev. Letters "I", "O", "Q", "S", and "Z" are not used.			
Top Lev Part #	Level 2	Level 3	FILENAME	REV	DATE	Project/ECN No.	Last Drawn By	APPROVAL	Approval Type*
240P0001	240P0001-1		CC18 Pulselite System - 1210 (System Installation)	-	5/5/2015	240PECN0001	DJC		S O A
	240P0001-2		CC18 Pulselite System - 1210 (Wiring Diagram)				DJC		
This document and the technical data contained are proprietary to Precise Flight, Inc. and shall not be released, or disclosed, in whole or in part without written permission from PFI.									
REFERENCE									
	015PMAN0003 (PPRI-3000)		Pulselite Model 1210/2405-2A Instruction Manual	(K)	(24 Jun 2013)				
	000PMAN0002		Pulselite Instructions for Continued Airworthiness	(E)	(24 Jun 2008)				
DRAWING LIST REVISION HISTORY									
			New Revisions highlighted in Gray	-	5/5/2015	240PECN0001	-		
			Initial Release	-					

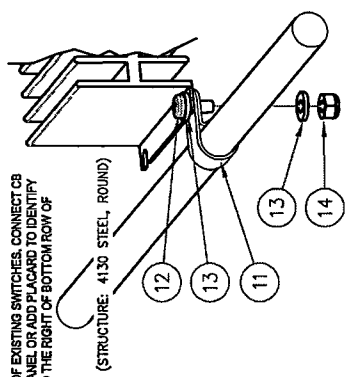
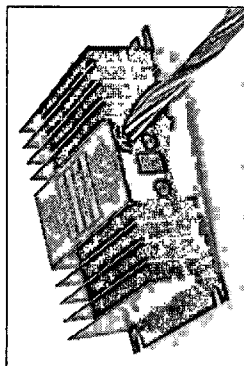
REV. NO.	DESCRIPTION	DATE	CHK.	APP.
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ENR. NO.	DESCRIPTION	DATE	CHK.	APP.
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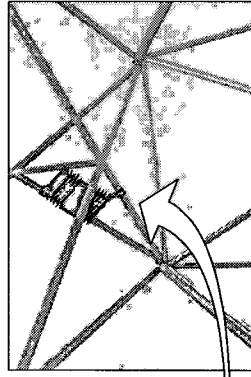
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NOTES

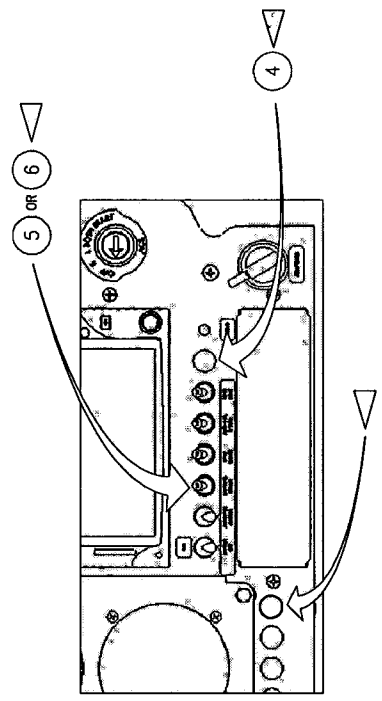
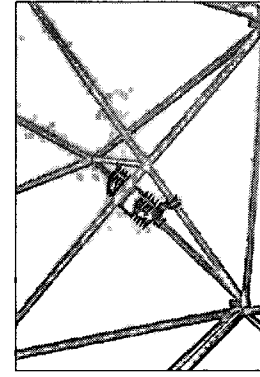
- 1.1 MODEL 1210 PULSELite OUTPUT NOT TO EXCEED 128W OR 10A PER CHANNEL.
- 1.2 IF ADDITIONAL WIRE IS REQUIRED, RECOMMENDED WIRE IS #22/769/18 OR BETTER, OR SAME AS OTHER AIRCRAFT EXTERIOR LIGHTING WIRING.
- 1.3 ROUTE & SECURE PULSELite WIRES TO SWITCH AND CIRCUIT BREAKERS BEHIND INSTRUMENT PANEL. DO NOT SECURE WIRES TO ANY ANTENNAE WIRE, OR RADIO/COMM POWER OR GROUND WIRE.
- 1.4 REMOVE EXISTING LANDING LIGHT CIRCUIT BREAKER SWITCH, MOVE OR TRIM BUS BAR TO ALLOW THE INSTALLATION OF NEW 3-POSITION LANDING LIGHT SWITCH, (KEYWAY DOWN)
- 1.5 INSTALL NEW LANDING LIGHT CIRCUIT BREAKER IN SPARE POSITION TO THE RIGHT OF EXISTING SWITCHES. CONNECT CB TO LIGHTING BUS BAR USING A SHORT JUMPER FROM ADJACENT CB. REWORK PANEL OR ADD PLACARD TO IDENTIFY CB. IF PRIMARY CB POSITION IS USED, DRILL & INSTALL IN SECONDARY POSITION TO THE RIGHT OF BOTTOM ROW OF BREAKERS, CONNECT TO LIGHTING BUS.



MODEL	P/N	DESCRIPTION	WEIGHT LBS [KG]	STA
1210	01SP001A-2	PULSELite CONTROL UNIT	0.7 [0.3]	43.00



MOUNT PULSELite TO STRUCTURE
BEHIND PANEL USING AT LEAST THREE CUSHIONED CLAMPS (11), EACH SECURED WITH ONE SCREW (12), TWO WASHERS (13), AND ONE NYLON LOCK NUT (14).



CUSTOMER SUPPLIED PARTS:

QTY	PART #	DESCRIPTION	MATERIAL/REFERENCE	ITEM
1	MS21044H08	(OR SIMILAR) NUT, B-32, LOCKING		14
1	MS21044H08	(OR SIMILAR) WASHER, #6 FLAT		13
1	MS21044H08	(OR SIMILAR) SCREW, 8-32		12
1	MS21919WDG10	(OR SIMILAR) CLAMP, CUSHIONED		11
1	AMP 320559	(OR SIMILAR) SPLICE, BUTT OR CLOSED END		10
1	M7928/4-111	(OR SIMILAR) RING TERMINAL, #6, 12-10		9
1	M7928/4-106	(OR SIMILAR) RING TERMINAL, #6, 16-14		8
1	M7928/4-101	(OR SIMILAR) RING TERMINAL, #6, 22-16		7
1	MS33056-22	(ALT) SWITCH, TOG, 1P, ON-OFF-ON	(ALTERNATE - SEE WIRING DIAGRAM)	6
1	MS27407-4	CIRCUIT BREAKER, 5A		5
1	MS3320-5	(OR MIL-C-5809) CIRCUIT CONTROL UNIT 1210/2405-2A		4
1	01SP001A-2	PULSELite WIRING DIAGRAM (REF. SHEET 2)		3
1	240P0001-1	PULSELite SYSTEM INSTALLATION		2
1				1

PRECISE FLIGHT, INC.
63354 POWELL BUTTE ROAD - BEND, OREGON 97701
(503) 382-8684 - FAX (503) 382-1105

PRECISE FLIGHT, INC.
www.preciseflight.com

TITLE
CUB CRAFTERS CC18 PULSELite SYSTEM - 1210

DATE
D. CREACH 03/25/15

APPROVALS
D. CREACH 03/25/15
D. CREACH 04/09/15

REV.
240P0001-1

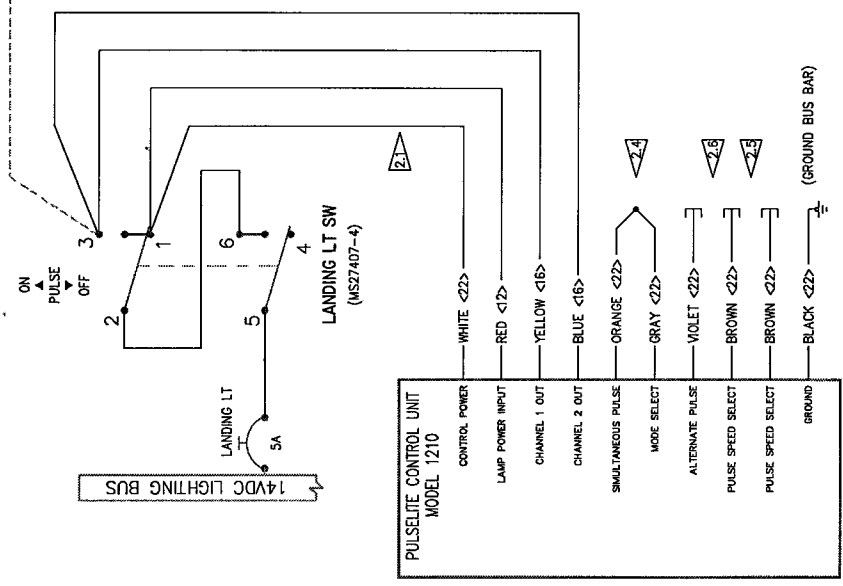
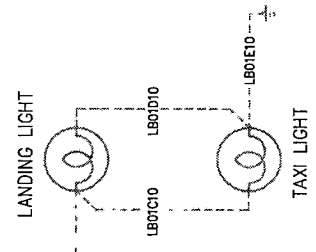
SCALE
1 OF 2

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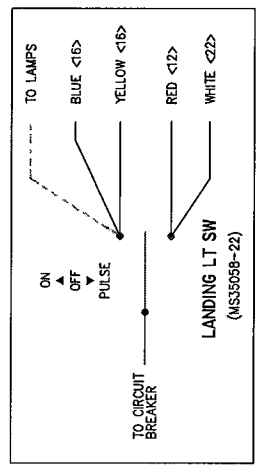
NOTES

- 2.1 THIS SYSTEM DESIGNED FOR LOW CURRENT LAMPS. IF LAMPS REQUIRE LARGER THAN 5A CB, WHITE 22GA CONTROL WIRE MUST BE CURRENT LIMITED TO 5A MAX. CONSULT AIRCRAFT WIRING DIAGRAM MANUAL.
- 2.2 AIRCRAFT COMPONENT & WIRE DESIGNATORS GIVEN AS REFERENCE ONLY.
- 2.3 LAST TWO DIGITS OF WIRE DESIGNATORS INDICATE WIRE SIZE.
- 2.4 SPLICE GRAY AND ORANGE WIRES FOR SIMULTANEOUS MODE ONLY.
- 2.5 BROWN WIRES MAY BE CONNECTED FOR PULSE PULSE.
- 2.6 CAP AND STOW UNUSED WIRES.

LEGEND:
 NEW WIRING ———
 EXISTING WIRING (REF. ONLY) - - - - -
 REMOVED OR REROUTED WIRING - - - - -
 GROUND ———



ALTERNATE SWITCH WIRING

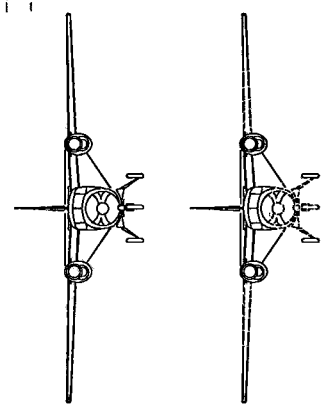
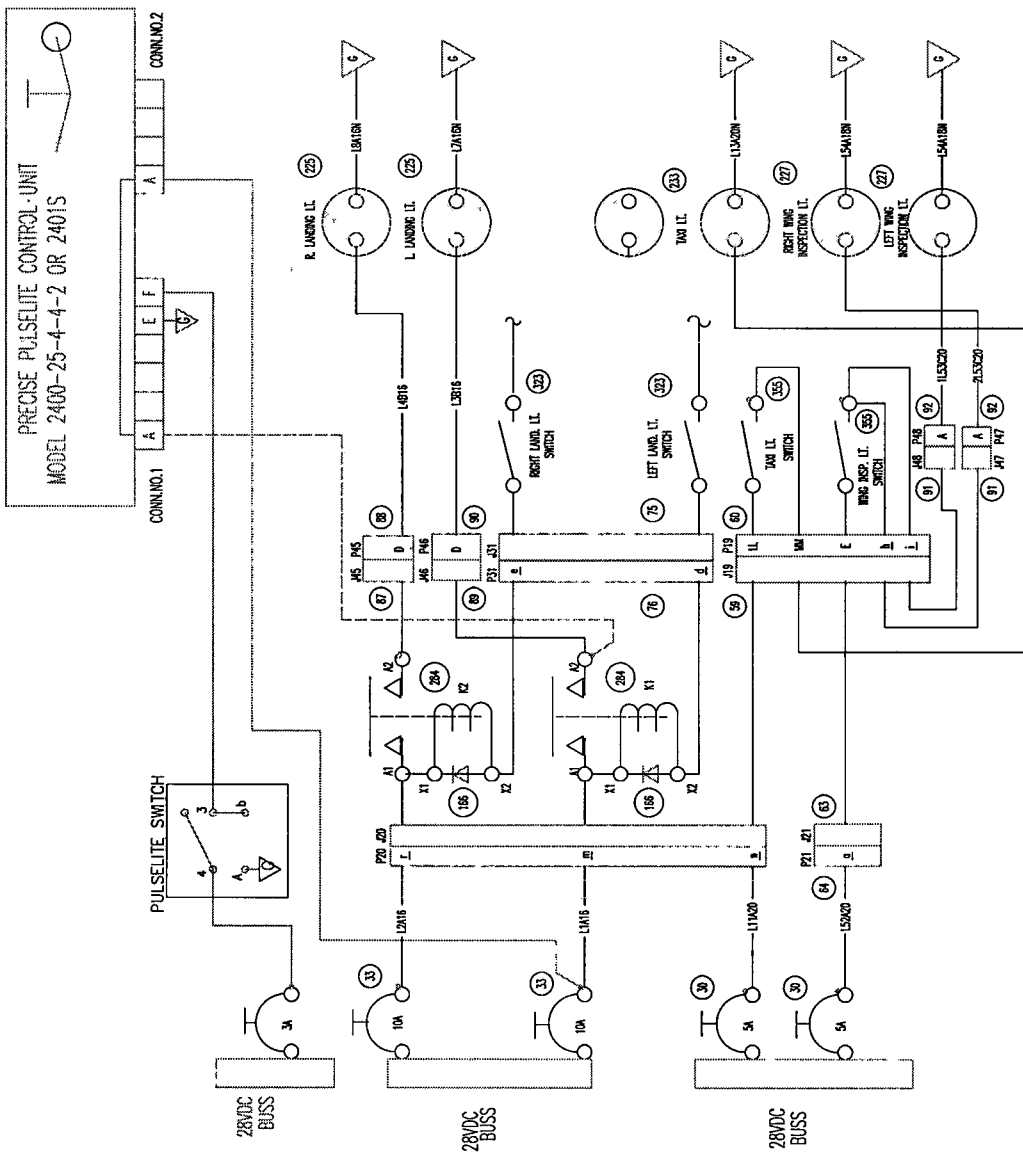


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EFFECTIVITY: CC18		PRECISE FLIGHT, INC. <small>www.preciseflight.com</small> 63354 POWELL BUTTE ROAD BEND, OREGON 97105 (541) 382-8884 - FAX (541) 388-1105	
APPROVALS	DATE	TITLE	REV.
D. GREACH	03/25/15	CUB CRAFTERS CC18	1
CRB	05/05/15	PULSElite SYSTEM - 1210	2
D. GREACH	04/09/15	SIZE	240P0001
CRB	05/05/15	SCALE	NTS
		STC #	SA4005NN
			2 OF 2

REVISIONS			
APP.	CHK.	DRAWN	DESCRIPTION
JMR	-	JMR	ADDED "K" SERIES PULSELITE
01/05/89	/	/	
DLP	-	DLP	ADDED HEIGHT AND PREFIX NOTES
07/10/88	-	-	
VAR	-	VAR	UPDATED NOTES
10/20/83	-	-	
STP	EWL	STP	REVISED TITLE AND DWG NUMBER
05/12/00	5/12/00	5/12/00	

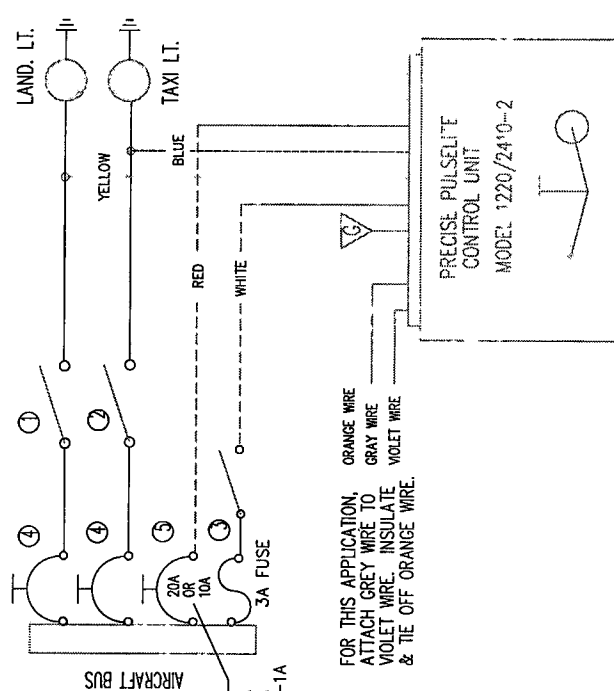
- NOTES ---
- THIS WIRING SCHEMATIC IS APPLICABLE ONLY TO PULSELITE CONTROL UNITS WITH SERIAL NUMBERS CONTAINING A "K", "KA", "AR" OR "S" PREFIX.
 - THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE L & R LANDING LIGHTS AND THE TAXI & L & R WING INSPECTION LIGHTS ALTERNATELY. DO NOT ATTEMPT TO CHANGE THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
 - WIRE SIZES:
CONNECTOR NO. 1: USE 16AWG ON PINS A,B,C,D.
USE 22AWG ON PINS E & F.
CONNECTOR NO. 2: USE 16AWG ON PINS A,B,C,D.
ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11.
WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING WIRE GAUGE.
 - SEE ORIGINAL WIRING DIAGRAM # 33-40-00 LANDING LGS (NO PAGE #), TAXI LGS PAGE 5 DATED 11/24/77, ICE INSP. LGS. PAGE 2 DATED 3/10/76.
 - LEGEND:
----- STEADY POWER
- - - - - PULSE POWER -ON-
- - - - - PULSE POWER -OFF-
◇ = IS A GROUND
◇ = IS A SPARE



QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
-2						
-1						
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS .XX = 0.03 XXX = 0.00 DO NOT SCALE DRAWINGS						
TREATMENT						
FINISH						
SIMILAR TO						
SPECIAL INK SYM						
APPLICATION						
PART NO.	NEXT ASSY	USED ON				
DASH NO.	QTY RECD PER ASSY					
APPROVALS			DATE	TITLE		
DESIGNED BY	CHKD BY	DATE	12/04/87	PULSELITE CONTROL INSTALLATION		
ENGR	CHKD	DATE	12/04/87	DeHAVILLAND DHC-6		
DESIGN AUTHORITY	MAM	SCALE	1=1	DWG. NO.	250P0001	
					REV	D
					STC #	SAA005NN
					1 OF 1	

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TYPICAL AIRCRAFT WITH 2 LIGHTS CONTROLLED BY 2 SWITCHES
CONNECTED TO 2 CHANNELS (YELLOW AND BLUE WIRES)



PLEASE NOTE: 20A
12V A/C USE 20A
24V A/C USE 10A
AS PER AC 43.13-1A

FOR THIS APPLICATION,
ATTACH GREY WIRE TO
VIOLET WIRE. INSULATE
& TIE OFF ORANGE WIRE.

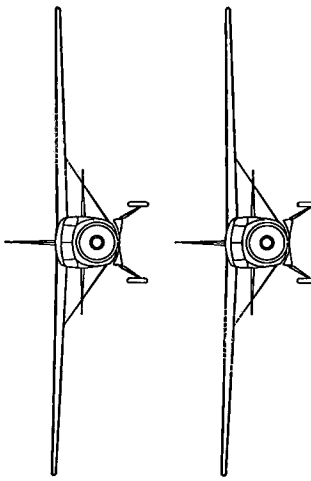
BROWN WIRE FOR THIS APPLICATION,
INSULATE & TIE OFF
BOTH BROWN WIRES.

VOLTAGE CAPACITY: MAY BE USED ON 12/14VDC OR 24/28VDC
AMPERAGE CAPACITY: 12/14VDC; 20A, 24/28VDC; 10A (PER CHANNEL)
MAXIMUM WATTAGE: 250 WATTS PER CHANNEL
WIRE SIZES: 12/14VDC; 16AWG, 24/28VDC; 18AWG.

REVISIONS			
Δ	DESCRIPTION	DRAWN	CHK
A	CORRECTED AND UPDATED NOTES	DLP 3/6/90	
B	UPDATED NOTES	VAR 10/21/93	
C	UPDATED PULSELITE UNIT	STP 12/09/95	GEL 12/01/95
D	REVISED TITLE & DRAWING NUMBER	STP 5/12/00	EWL 5/12/00

- NOTES:
- GROUND CONTROL UNIT TO AIRFRAME.
 - THIS PULSELITE SCHEMATIC IS FOR AIRCRAFT WITH TWO LIGHTS THAT ARE GREATER THAN 14" APART. LIGHTS WILL PULSE SIMULTANEOUSLY WHEN GREEN WIRE IS CONNECTED. DISCONNECT WIRE LOOP TO PULSE LIGHTS ALTERNATELY.
 - THE PULSELITE SWITCH IS CONNECTED ON THE WHITE WIRE TO A 3 AMP FUSE AND POSITIVE DC POSITIVE BUSS.
 - ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAP. 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING WIRE GAUGE.

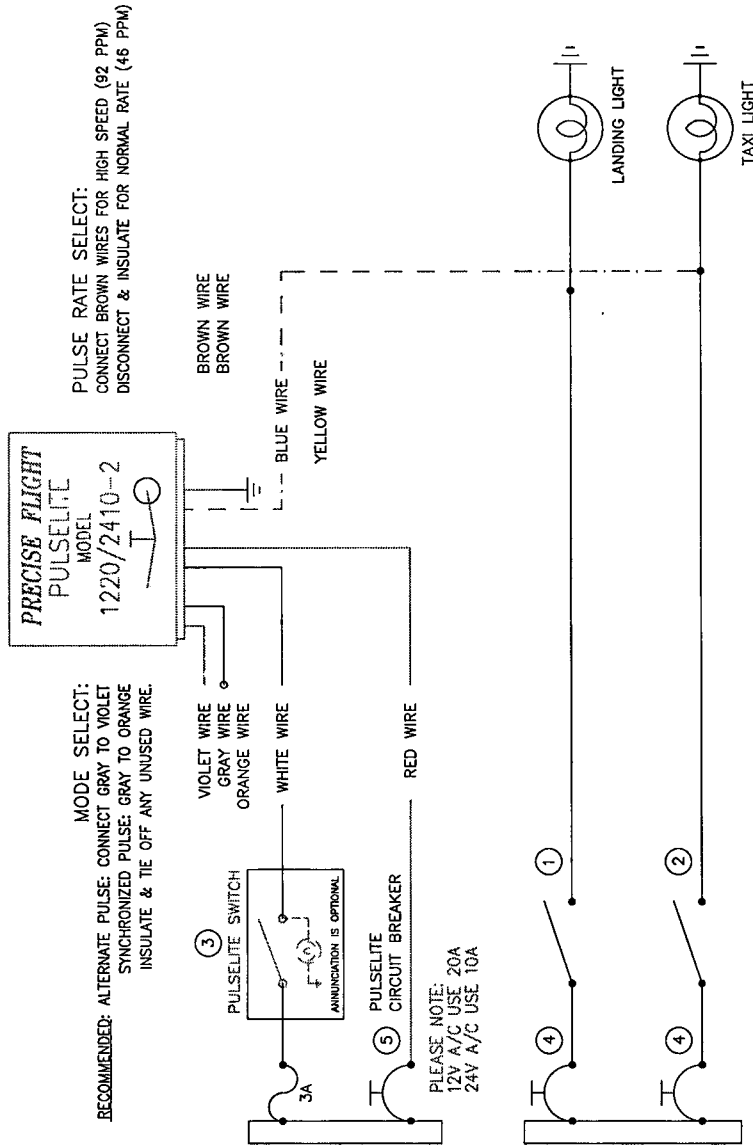
- LANDING LIGHT SWITCH (ORIGINAL EQUIPMENT)
 - TAXI LIGHT SWITCH (ORIGINAL EQUIPMENT)
 - PULSELITE (ON/OFF) SWITCH
 - CIRCUIT BREAKER (ORIGINAL EQUIPMENT)
 - PULSELITE CIRCUIT BREAKER (SUPPLIED BY INSTALLER), MUST COMPLY WITH AC 43.13-1A.
- PULSELITE WIRING
— ORIGINAL AIRCRAFT WIRING



QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
-2	-1					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS .XX = 0.03 .XXX = 0.005 * DO NOT SCALE DIMENSIONS						
TREATMENT FINISH						
SIMILAR TO SPECIAL MK SYM						
APPROVALS						
CONTRACT NO.						
PRECISE FLIGHT, INC. 63120 POWELL BLVD. RD. RECON, UT (541) 382-8884 FAX (541) 389-1105 www.preciseflight.com						
TITLE						
PULSELITE CONTROL INSTALLATION						
DeHAVILLAND DHC-2						
DATE						
3/15/90						
DRAWN						
DLP						
CHECKED						
M.J.L.						
ENGR						
DESIGN ACTIVITY						
R.G.S.						
SIZE						
B						
DWG. NO.						
250008						
SCALE						
1=1						
SIC # SA-4005NM						
1 OF 1						

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ENCLOSURE, OR USE WITHOUT SPECIFIC WRITTEN AUTHORIZATION OF
THE PRECISE FLIGHT, INC. COMPANY IS STRICTLY FORBIDDEN.

TYPICAL AIRCRAFT WITH 2 LIGHTS CONTROLLED BY 2 SWITCHES
CONNECTED TO 2 CHANNELS (YELLOW AND BLUE WIRES)



RECOMMENDED: ALTERNATE PULSE: CONNECT GRAY TO VIOLET
SYNCHRONIZED PULSE: GRAY TO ORANGE
INSULATE & TIE OFF ANY UNUSED WIRE.

MODE SELECT:
CONNECT BROWN WIRES FOR HIGH SPEED (92 PPM)
DISCONNECT & INSULATE FOR NORMAL RATE (46 PPM)

PULSE RATE SELECT:
CONNECT BROWN WIRES FOR HIGH SPEED (92 PPM)
DISCONNECT & INSULATE FOR NORMAL RATE (46 PPM)

PLEASE NOTE:
12V A/C USE 20A
24V A/C USE 10A

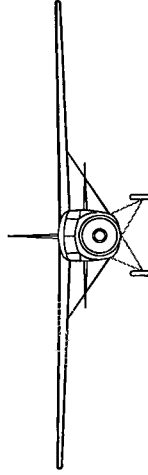
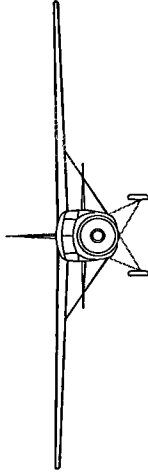
- ① LANDING LIGHT SWITCH (ORIGINAL EQUIPMENT)
- ② TAXI LIGHT SWITCH (ORIGINAL EQUIPMENT)
- ③ PULSELITE (ON/OFF) SWITCH
- ④ CIRCUIT BREAKER (ORIGINAL EQUIPMENT)
- ⑤ PULSELITE CIRCUIT BREAKER (SUPPLIED BY INSTALLER).
MUST COMPLY WITH AC 43.13-1A.

REVISIONS			
REV.	DESCRIPTION	DRAWN	CHK.
A	CORRECTED AND UPDATED NOTES	DLP 03/07/91	-
B	UPDATED NOTES	VAR 10/21/91	-
C	REDRAWN FOR UPDATED PULSELITE CONTROL UNIT	DJC 10/04/98	STP 10/04/98
D	REVISED DRAWING NUMBER AND TITLE	STP 5/12/00	EHL 5/12/00

NOTES -

1. THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE LANDING & TAXI LIGHTS ALTERNATELY OR SIMULTANEOUSLY. DO NOT ATTEMPT TO MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
2. GROUND CONTROL UNIT TO AIRFRAME.
3. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11, SEC.3. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING AIRCRAFT WIRE GAUGE AND MEET THE REQUIREMENTS OF AC 43.13-1A, CH.11, SEC.3, FIGURE 11.5.
4. THIS PULSELITE IS RATED FOR 20A AT 12/14VDC OR 10A AT 24/28VDC. FOR A MAXIMUM LOAD OF 250 WATTS PER CHANNEL.

LEGEND:



QTY	REV	CODE	PART NO.	DESCRIPTION	MATERIAL/AEFC.	ITEM
1	1					
<p>CONTRACT NO. PRECISE FLIGHT, INC. www.preciseflight.com 6320 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8884 FAX (541) 388-1105</p>						
TREATMENT		APPROVALS		TITLE		
DO NOT SCALE DRAWINGS		DLP		PULSELITE CONTROL INSTALLATION		
DECIMALS		MUL		DeHAVILLAND DHC-3		
FRACTIONS		RGS		SIZE		
±		DESIGN ACTIVITY		SCALE		
FINISH		USED ON		DWG. NO.		
SIMILAR TO		APPLICATION		REV.		
PART NO.		NEXT ASSY		250P009D		
DASH		PER ASSY		STC # SA4005NM		
NO				1 OF 1		

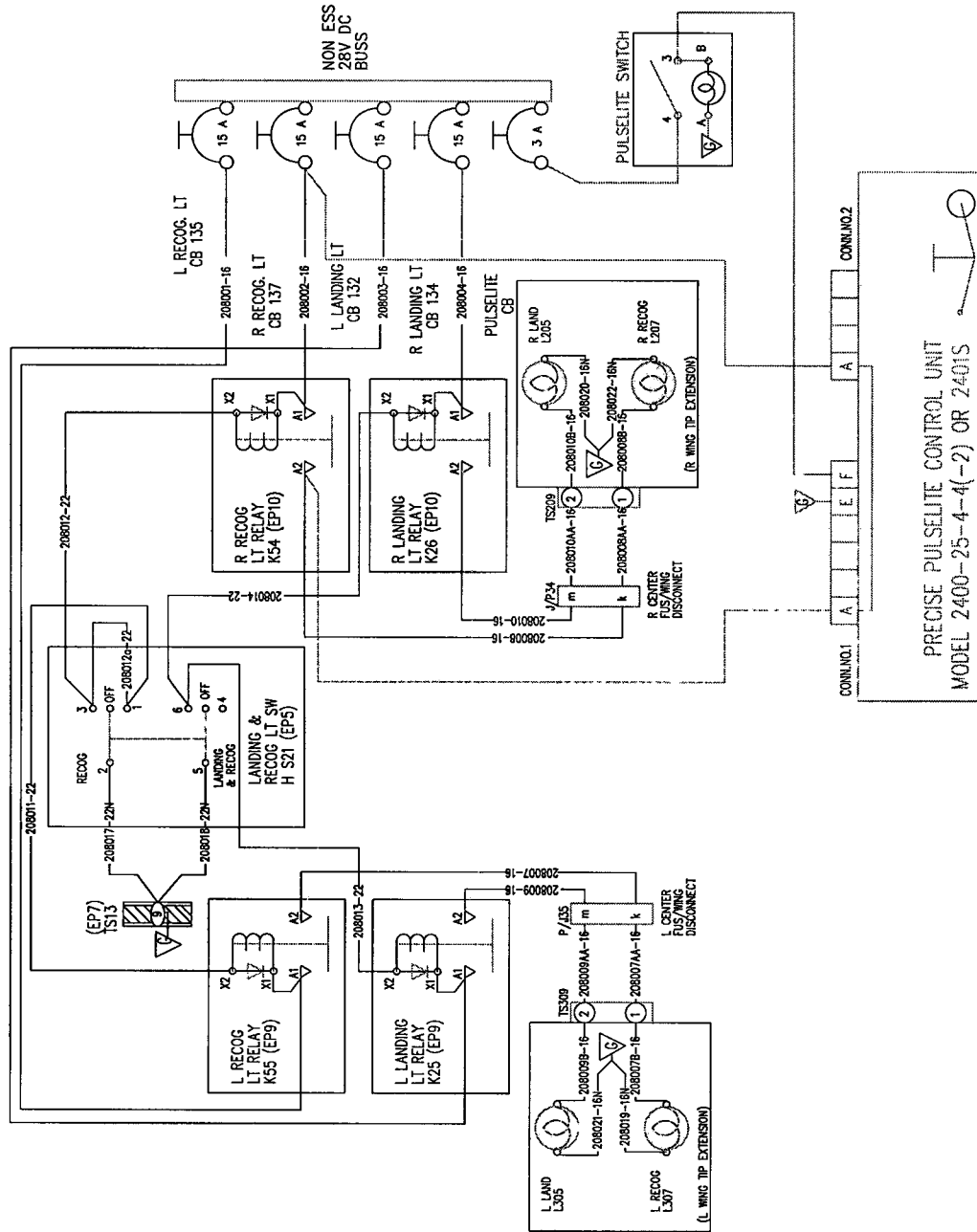
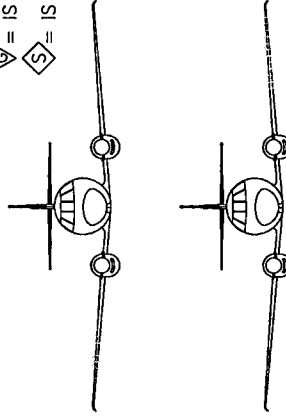
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REVISIONS

REV	DESCRIPTION	DATE	CHK	APP.
A	ISSUED K SERIES PULSELITE	01/05/89	JMR	/ /
B	UPDATED WIRING SPEC. & NOTES	08/22/90	DLP	/ /
C	UPDATED NOTES	09/13/93	DLP	/ /
D	UPDATED NOTES	10/25/93	VAR	/ /
E	REVISED TITLE & NUMBER	05/12/00	STP	5/12/00

1. THIS WIRING SCHEMATIC IS APPLICABLE ONLY TO PULSELITE CONTROL UNITS WITH SERIAL NUMBERS CONTAINING A "K", "KA", "AR", OR "S" PREFIX.
2. THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE LEFT WING LANDING AND RECOGNITION LIGHTS ALTERNATELY WITH THE RIGHT LANDING AND RECOGNITION LIGHTS. DO NOT MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
3. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11, WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING WIRE GAUGE. CONNECTOR NO. 1 - USE 16AWG ON PINS A,B,C, D & E. USE 20AWG ON PIN F. CONNECTOR NO. 2 - USE 16AWG ON ALL PINS. REFER TO ORIGINAL WIRING DIAGRAM NUMBER 33-40-03 SHEET 3 PAGE 1 DATED DEC 31/82.
4. LEGEND:
- 5.

- STEADY POWER
- PULSE POWER -ON-
- PULSE POWER -OFF-
- ▽ = IS A GROUND
- ◇ = IS A SPARE



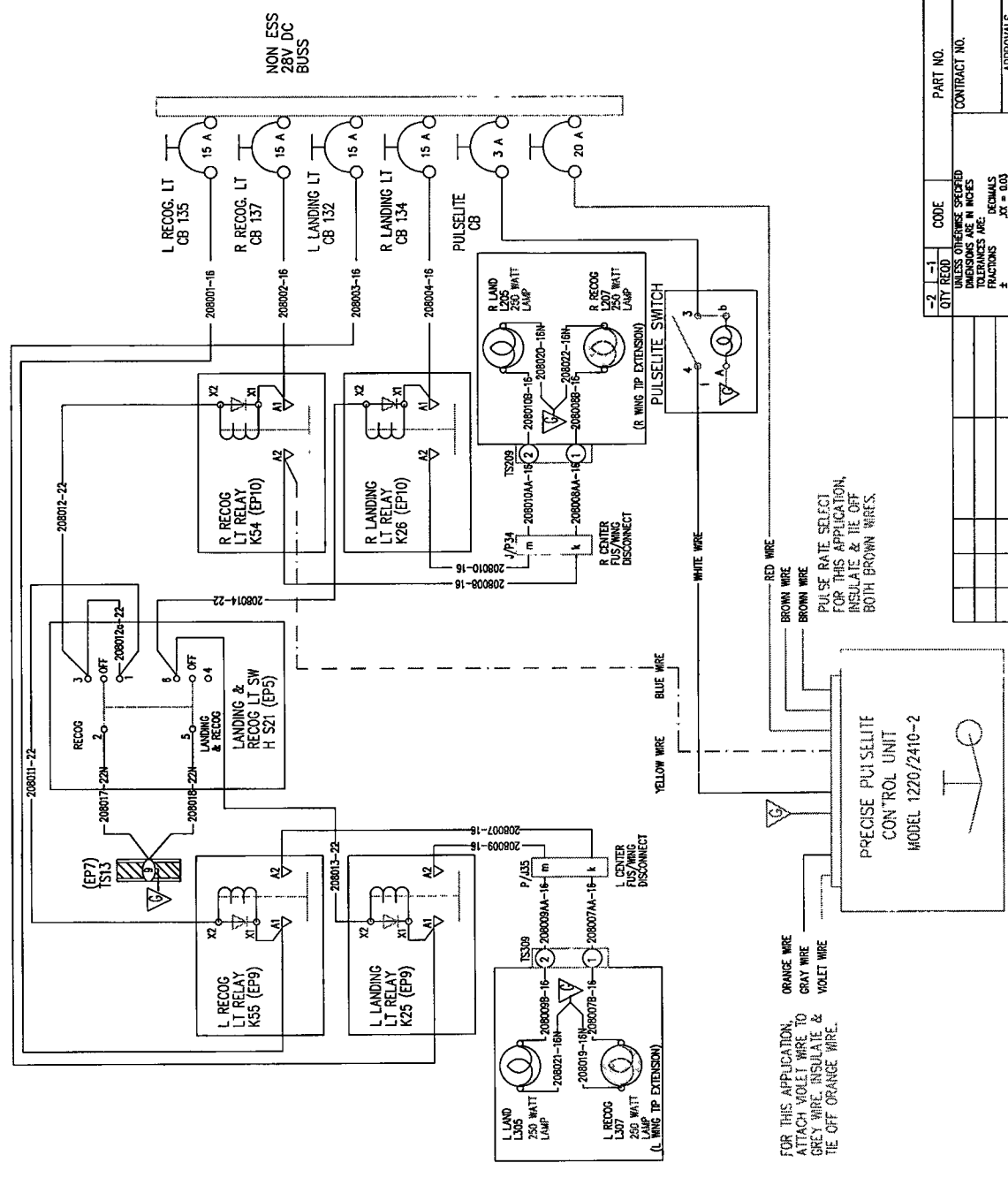
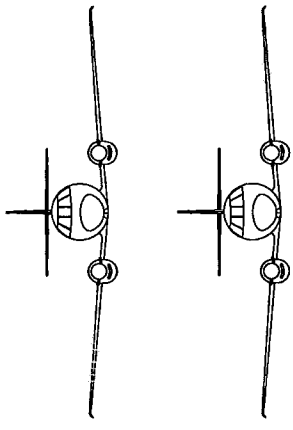
PRECISE PULSELITE CONTROL UNIT
MODEL 2400-25-4-4(-2) OR 2401S

QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
2	1					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS ARE DECIMALS .XX = 0.03 .XXX = 0.00 .XX NOT SCALE DRAWINGS						
TREATMENT FINISH SIMILAR TO SPECIAL MK SYM						
PART NEXT FINAL CITY RECD NO PER ASST						
NEXT ASST USED ON APPLICATION						
DASH						
PART NO. USED ON APPLICATION						
CONTRACT NO.						
APPROVALS						
DRAWN						
CHECKED						
ENGR						
DESIGN ACTIVITY						
TITLE						
DATE						
DRAWN						
CHECKED						
ENGR						
DESIGN ACTIVITY						
SIZE						
CODE						
DWG. NO.						
SCALE						
STC #						
1 OF 1						

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REVISIONS			
REV.	DESCRIPTION	CHK.	APP.
A	REVISED PULSELITE CONTROL UNIT	RAB	STP
B	REVISED TITLE & DWG NO	DJC	STP
			4/2/96
			05/17/00
			05/17/00
			05/17/00

- NOTES: --
 1. THIS WIRING SCHEMATIC IS APPLICABLE ONLY TO PULSELITE CONTROL UNIT MODEL 1220/2410-2.
 2. THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE LEFT AND RIGHT WING RECOGNITION LIGHTS ALTERNATELY. DO NOT MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
 3. WIRE SIZES: ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING A/C WIRE GAUGE.
 4. CONNECTED VOLET WIRE TO GREY WIRE FOR AN ALTERNATING PULSE.
 5. REFER TO ORIGINAL AIRCRAFT WIRING DIAGRAM NUMBER 33-40-03 SHEET 3, PAGE 1 DATED DEC 31/82.
 6. LEGEND: — STEADY POWER —ON—
 - - - PULSE POWER -OFF-
 ▽ = IS A GROUND



FOR THIS APPLICATION, ATTACH VOLET WIRE TO GREY WIRE. INSULATE & VOLET WIRE TO OFF ORANGE WIRE.

PULSE RATE SELECT FOR THIS APPLICATION, INSULATE & THE OFF BOTH BROWN WIRES.

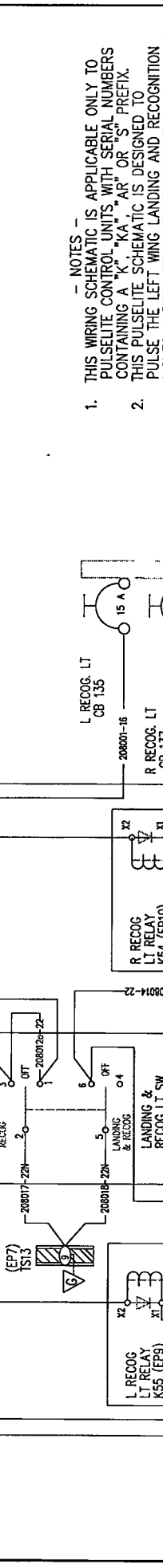
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DESCRIPTION		PART NO.		MATERIAL/MFG.		ITEM
PRECISE FLIGHT, INC. 63120 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8684 FAX (541) 388-1105		CONTRACT NO.				
TITLE PULSELITE CONTROL INSTALLATION METRO III		DATE				
APPROVALS		D.L.P.		02/08/90		
M.A.		02/08/90				
RGS		02/08/90				
DESIGN ACTIVITY		SCALE		1=1		
FINISH		SPECIAL MK SYM				
SIMILAR TO		APPLICATION				
PART NO.		NEXT ASSY		USED ON		
DASH		PER ASSY				
DWG. NO.		300P0006		REV. C		
STC #		SA4005NM		1 OF 1		

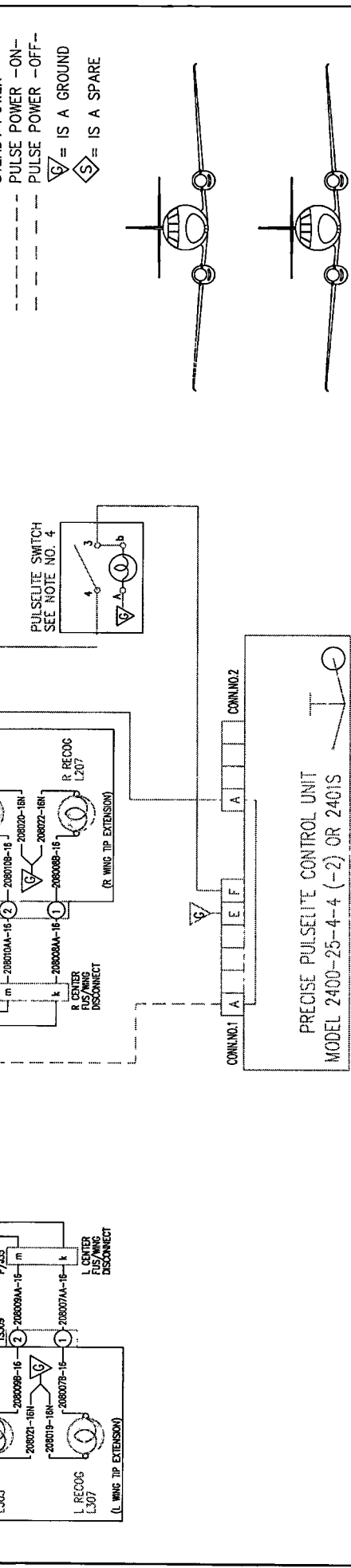
REVISED DRAWING NUMBER & TITLE			DRWN	CHK	APP.
A	05/12/00	05/12/00	STP	DJC	STP

QTY	RECD	CODE	DESCRIPTION	PART NO.	DATE	APPROVALS	TREATMENT	FINISH	SIMILAR TO	SPECIAL MK SYM
1			PRECISE PULSElite CONTROL UNIT		03/22/93	DLP	NO NOT SCALE DRAWINGS	USED ON		

REVISIONS	DESCRIPTION	DRWN	CHK	APP.
A	REVISED DRAWING NUMBER & TITLE	STP	DJC	STP



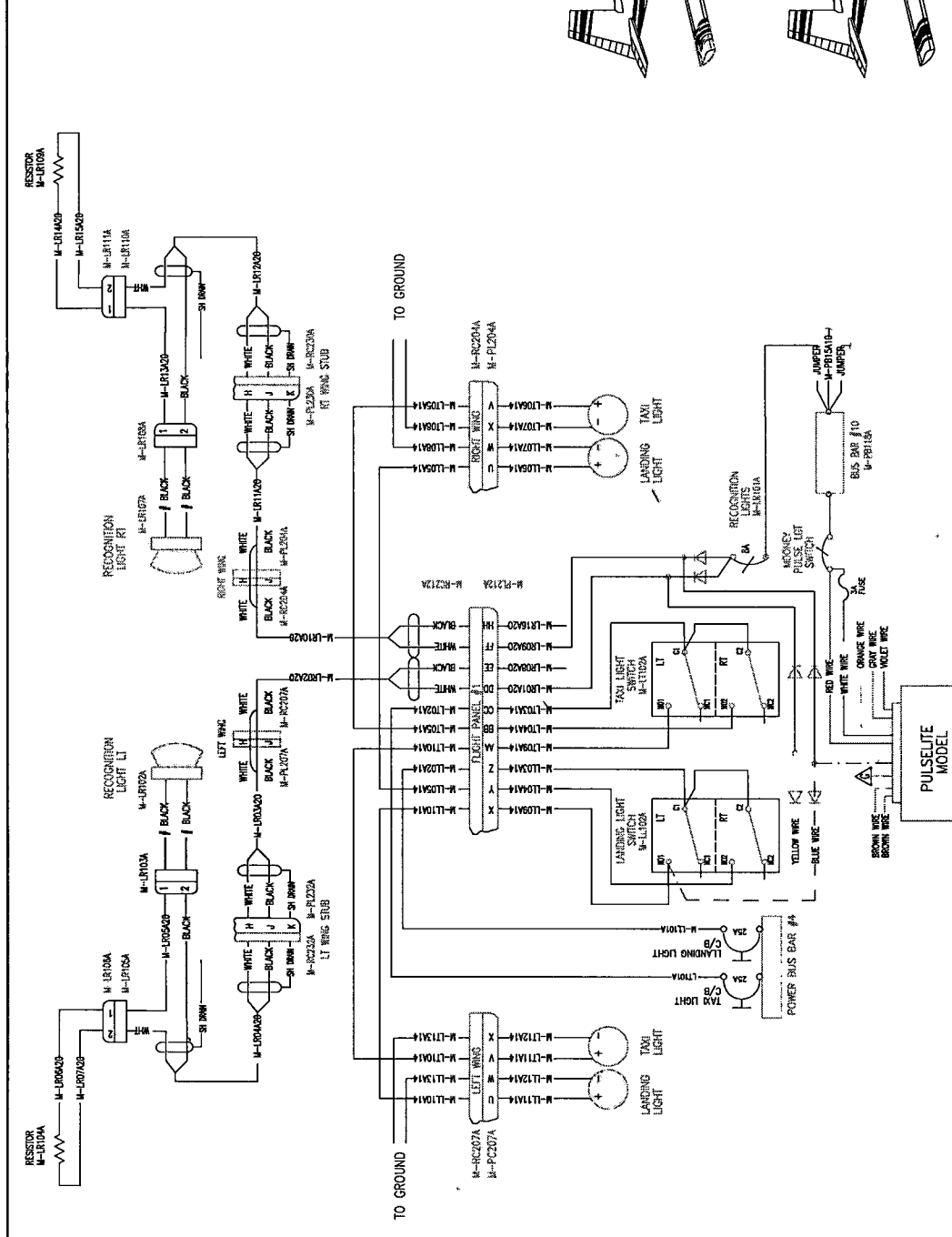
- NOTES -**
- THIS WIRING SCHEMATIC IS APPLICABLE ONLY TO PULSElite CONTROL UNITS WITH SERIAL NUMBERS CONTAINING A "K", "KA", "KP", OR "S" PREFIX.
 - THIS PULSElite SCHEMATIC IS DESIGNED TO PULSE THE LEFT WING LANDING AND RECOGNITION LIGHTS ALTERNATELY WITH THE RIGHT LANDING AND RECOGNITION LIGHTS. DO NOT MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
 - ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAP. 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING WIRE GAUGE.
 - CONNECTOR NO. 1 - USE 16AWG ON PINS A,B,C, D & E. USE 20AWG ON PIN F.
 - CONNECTOR NO. 2 - USE 16AWG ON ALL PINS. PULSElite SWITCH SHOWN IS P/N 01184. BACKLIT WITH PULSElite LABEL AVAILABLE AT PFI AT ADDNL COST. REFER TO ORIGINAL WIRING DIAGRAM NUMBER 33-40-03 PAGE 2 SHEET 1, DATED 11-25-89.
 - LEGEND:
 - STEADY POWER
 - - - PULSE POWER - ON -
 - - - PULSE POWER - OFF -
 - ▽ = IS A GROUND
 - ◇ = IS A SPARE



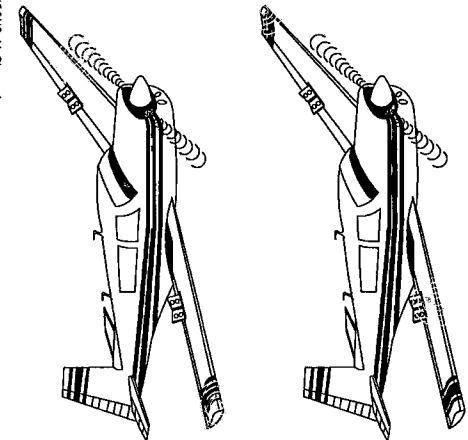
PRECISE FLIGHT, INC.		MATERIAL/AFG.		ITEM
63120 POWELL BUTTE RD. BEND, OREGON 97701 (541) 382-8884 FAX (541) 388-1105		PRECISE FLIGHT, INC.		
CONTRACT NO.		DATE		
DRAWN		DATE		
CHECKED		DATE		
DESIGN AUTHORITY		DATE		
TITLE		DATE		
PULSElite CONTROL INSTALLATION		DATE		
METRO III		DATE		
SIZE		DATE		
CODE		DATE		
B		DATE		
DWTG. NO.		DATE		
300P008A		DATE		
SCALE 1=1		DATE		
SIC # SA00058M		DATE		
1 OF 1		DATE		

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REVISIONS			
REV	DESCRIPTION	DRAWN	CHK
A	REVISED TITLE & DRAWING NUMBER	05/17/00	DAC
		05/17/00	STP
		05/17/00	APP.



- NOTES
1. THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE RIGHT LANDING & LEFT RECOG. LIGHTS ALTERNATELY WITH THE LEFT LANDING & RIGHT RECOG. LIGHTS. DO NOT CHANGE THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
 2. GREY WIRE MUST BE CONNECTED TO VIOLET WIRE FOR THIS APPLICATION. FAILURE TO DO SO MAY CAUSE SERIOUS DAMAGE TO PULSELITE & ELECTRICAL SYSTEMS.
 3. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING WIRE GAUGE. USE 14AWG FOR PULSELITE INSTALLATION. YELLOW=1ST HALF PULSE CYCLE. BLUE=2ND HALF PULSE CYCLE.
 4. --- = IS A GROUND

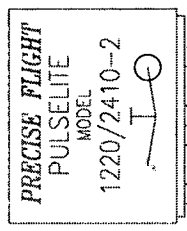


QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
-2	-1					
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES FRACTIONS ARE DECIMALS XX = 0.03 XXX = 0.00 DO NOT SCALE DRAWINGS						
TREATMENT						
FINISH						
SIMILAR TO						
SPECIAL MK SYM						
PART NO. USED ON						
DASH						
NO. PER ASSY						
APPLICATION						
CONTRACT NO.						
APPROVALS						
DRAWN						
CHECKED						
ENGR						
DESIGN ACTIVITY						
DATE						
TITLE						
SIZE						
DWG. NO.						
SCALE						
STC #						
REV						
A						
1 OF 1						

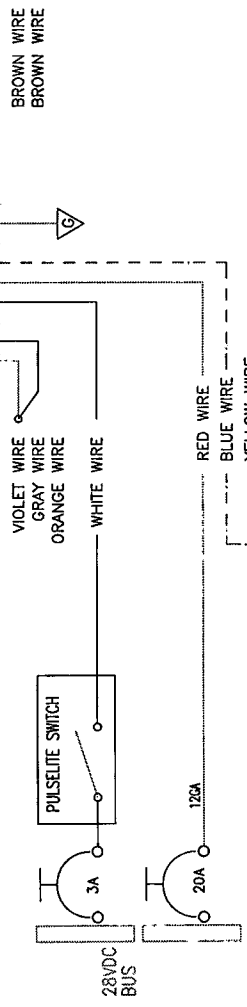
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REVISIONS			
REV.	DESCRIPTION	DATE	APP.
A	UPDATED NOTES	11/17/93	-
B	REVISED & REDRAWN NEW MODEL PCU	10/01/97	STP
C	REVISED TITLE & DRAWING NUMBER, REDRAWN	5/12/00	STP

PULSE RATE SELECT:
CONNECT BROWN WIRES FOR HIGH SPEED (92 PPM)
DISCONNECT & INSULATE FOR NORMAL RATE (46 PPM)



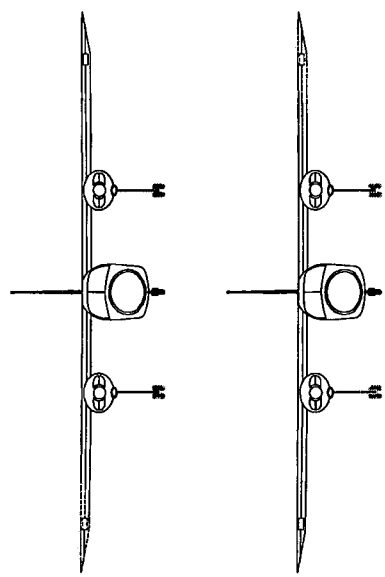
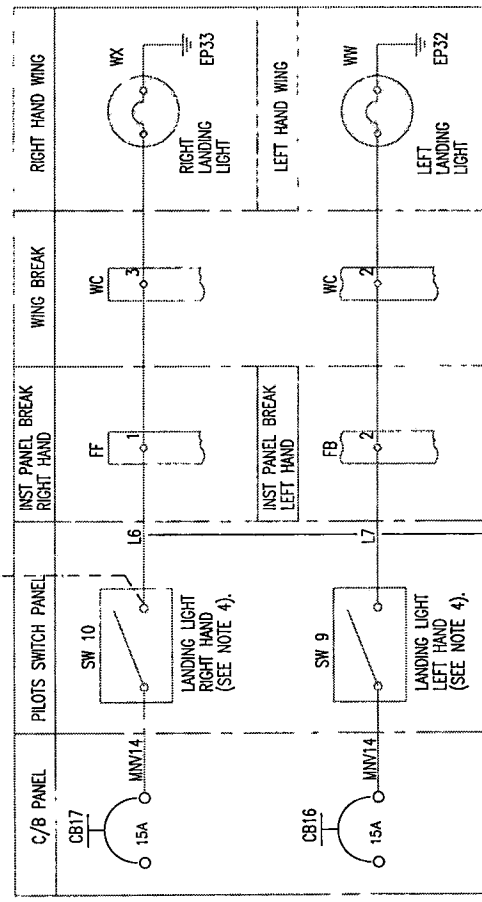
MODE SELECT:
SYNCHRONIZED PULSE; NOT RECOMMENDED
ALTERNATE PULSE; GREY TO VIOLET
INSULATE & TIE OFF ANY ORANGE WIRE.



NOTES

- THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE LANDING LIGHTS ALTERNATELY OR SIMULTANEOUSLY. DO NOT ATTEMPT TO MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
- ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING WIRE GAUGE. USE 12AWG FOR PULSELITE INSTALLATION.
- REFERENCE ORIGINAL DRAWING FOR ISLANDER MODEL BN2A-26 CHAP. 2.10, PAGE 5, FIG. 2 EXTERNAL LIGHTING: ROUTING REV. 30, DATED JUNE 1988. THIS DWG. IS FOR LANDING LTS. PRE MOD NB/M/1165 A/C. REFER TO DWG. 565P0002 FOR POST MOD.

LEGEND:
 ——— RED=STEADY POWER
 - - - - PULSE POWER Ø1
 - - - - PULSE POWER Ø2
 ▽ = AIRCRAFT GROUND



QTY	REV	CODE	PART NO.	DESCRIPTION	MATERIAL/AFC.	ITEM
1						
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS .XX = .005 DECIMALS .XX = .005 XX = .010 XX = .015 DO NOT SCALE DRAWINGS</p>						
TREATMENT		APPROVALS		TITLE		
FINISH		DRAWN DLP		PULSELITE CONTROL INSTALLATION		
SIMILAR TO		CHECKED MAIL		PULSATIS ISLANDER BN2A-26		
PART NO		DESIGN ACTIVITY LEE		SIZE CODE		
NEXT FINAL		SCALE 1=1		DWG. NO. 565P0001		
NEXT RECD		SPECIAL MK SYM		REV. C		
QTY RECD				STC # SA44005NM		
PER ASSY				1 OF 1		

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PRECISE FLIGHT, INC.
 63120 POWELL BUTTE RD. BEND, OREGON 97701
 (541) 382-8684 FAX (541) 388-1105
 www.preciseflight.com

REVISIONS			
REV	DESCRIPTION	DATE	APP.
A	UPDATED NOTES	VAR	CHK
B	REVISED & REDRAWN	11/07/93	-
C	REVISED TITLE & DRAWING NUMBER	10/02/97	STP
		10/02/97	10/02/97
		5/12/00	5/12/00

PULSE RATE SELECT:
CONNECT BROWN WIRES FOR HIGH SPEED (92 PPM)
DISCONNECT & INSULATE FOR NORMAL RATE (46 PPM)

MODE SELECT:
SYNCHRONIZED PULSE: NOT RECOMMENDED
ALTERNATE PULSE: GREY TO VIOLET
INSULATE & TIE OFF ANY ORANGE WIRE.

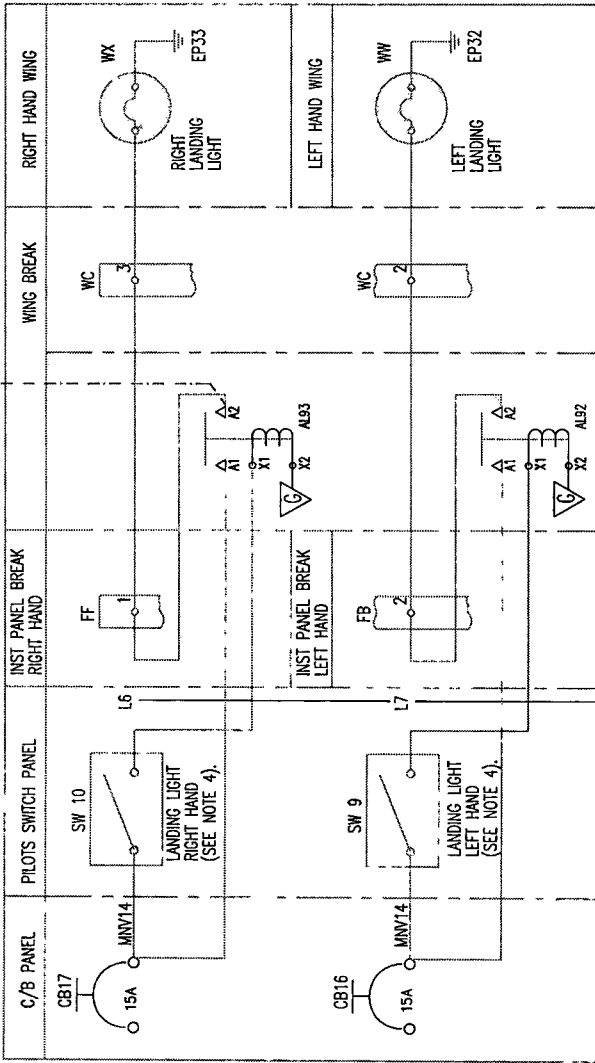
BROWN WIRE
BROWN WIRE

VIOLET WIRE
GRAY WIRE
ORANGE WIRE
WHITE WIRE

PULSE RATE SELECT
MODE SELECT

28VDC
BUS

YELLOW WIRE
BLUE WIRE
RED WIRE

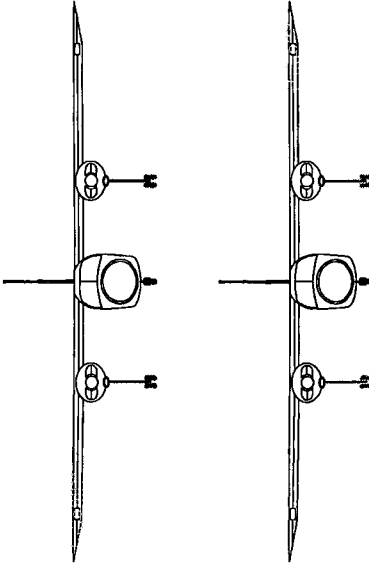


NOTES

- THIS PULSEITE SCHEMATIC IS DESIGNED TO PULSE THE LANDING LIGHTS ALTERNATELY OR SIMULTANEOUSLY. DO NOT ATTEMPT TO MAKE ANY CHANGES IN THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
- ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING WIRE GAUGE. USE 12AWG FOR PULSEITE INSTALLATION.
- REFERENCE ORIGINAL DRAWING FOR ISLANDER MODEL BN2A-26 CHAP. 2.10, PAGE 12, FIG. 8 LANDING LAMPS: ROUTING REV. 26, DATED JUNE 1985. THIS DWG. IS FOR LANDING LTS. POST MOD NB/M/1165 A/C. REFER TO DWG. 565P001 FOR PRE MOD.

LEGEND:
— RED=STEADY POWER
- - - PULSE POWER #1
- - - PULSE POWER #2

▽ = AIRCRAFT GROUND

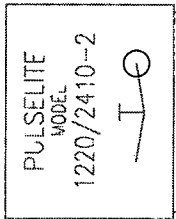


QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
-2	1-1					
<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS .005 FRACTIONS 1/16 XX = OLD XXX = NEW DO NOT SCALE DRAWINGS</p>						
<p>TREATMENT FINISH SIMILAR TO SPECIAL MK SYM</p>						
<p>CONTRACT NO. 63120 POWELL BUTTE RD. BEND, OREGON 97701 www.preciseflight.com (541) 382-8884 FAX (541) 388-1105</p>						
<p>PRECISE FLIGHT, INC.</p>						
<p>PULSEITE CONTROL INSTALLATION</p>						
<p>PILATUS ISLANDER BN2A-26</p>						
<p>APPROVALS DATE TITLE</p>						
<p>DESIGNER: JEE</p>						
<p>CHECKED: MLL</p>						
<p>DRAWN: DLP</p>						
<p>DATE: 08/14/91</p>						
<p>DATE: 08/15/91</p>						
<p>DATE: 08/15/91</p>						
<p>SCALE: 1=1</p>						
<p>REV: C</p>						
<p>565P002</p>						
<p>STC # SA40058M</p>						
<p>1 OF 1</p>						

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REVISIONS			
REV.	DESCRIPTION	DATE	APP.
A	UPDATED NOTES	11/18/93	
B	REVISED & REDRAWN NEW VERSION PULSELITE CONTROL UNIT	07/14/97	07/14/97
C	REVISED DRAWING TITLE & NUMBER	05/12/00	05/12/00

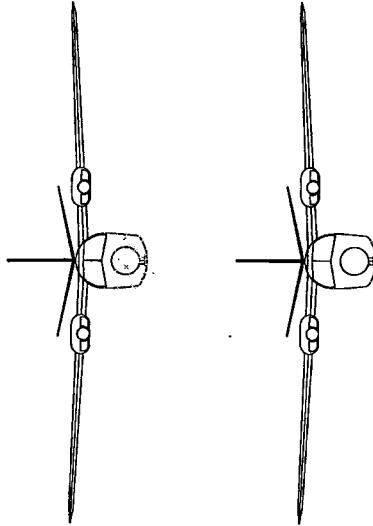
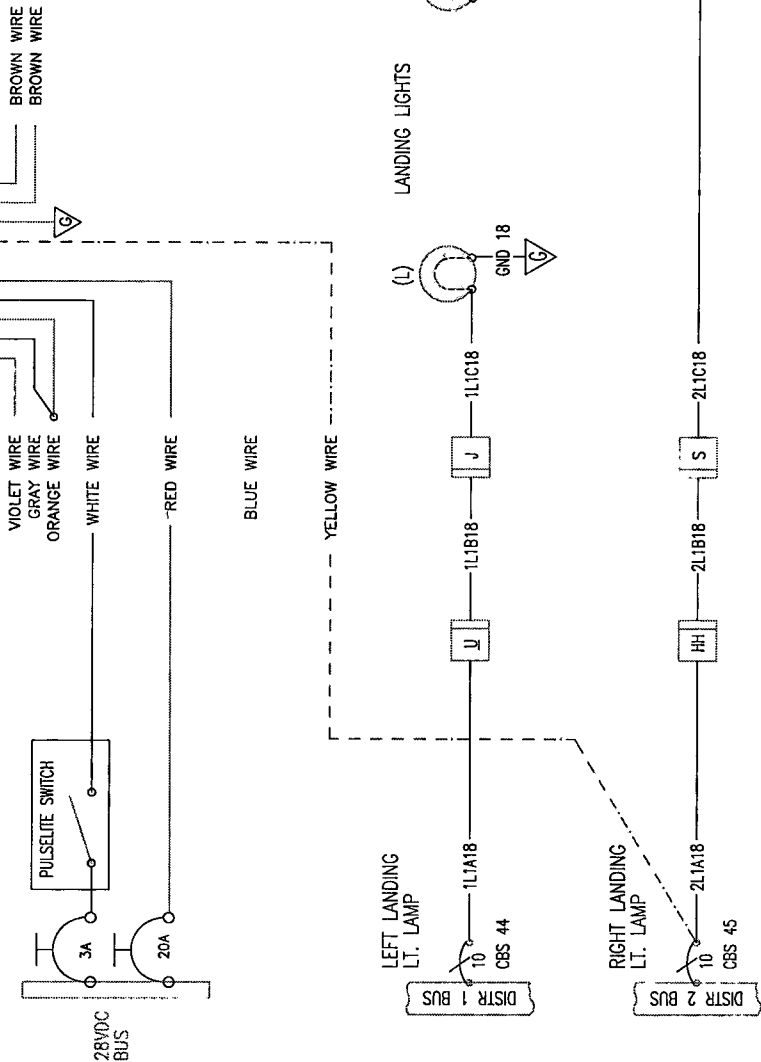
PULSE RATE SELECT:
CONNECT BROWN WIRES FOR HIGH SPEED (92 PPM)
DISCONNECT & INSULATE FOR NORMAL RATE (46 PPM)



MODE SELECT:
SYNCHRONIZED PULSE: GREY TO ORANGE
ALTERNATE PULSE: GREY TO VIOLET
INSULATE & TIE OFF ANY UNUSED WIRE.

- NOTES --
1. THIS PULSELITE SCHEMATIC IS DESIGNED TO PULSE THE LANDING LIGHTS ALTERNATELY OR SIMULTANEOUSLY. DO NOT CHANGE THIS CIRCUITRY WITHOUT CONTACTING PRECISE FLIGHT, INC.
 2. CONNECT GREY WIRE TO ORANGE WIRE TO CREATE A SIMULTANEOUS PULSE.
 3. CONNECT GREY WIRE TO VIOLET WIRE TO CREATE AN ALTERNATING PULSE.
 4. ALL WIRING MUST CONFORM TO AC 43.13-1A, CHAPTER 11.
 5. WIRE GAUGE USED MUST BE EQUAL TO OR GREATER THAN EXISTING WIRE GAUGE. USE 16AWG FOR PULSELITE INSTALLATION.
 6. REFERENCE ORIGINAL DRAWING NO. 91-00-01, PAGE 49, DATED JAN. 3, 1983 FIGURE 81-20. FOR EXTERIOR LIGHTING.

--- RED=STEADY POWER
- - - - - YELLOW=1ST HALF PULSE CYCLE
- - - - - BLUE=2ND HALF PULSE CYCLE
▽ = IS A GROUND



QTY	RECD	CODE	PART NO.	DESCRIPTION	MATERIAL/MFG.	ITEM
-2	-1					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS .XX = 0.03 DECIMALS .XX = 0.00 DO NOT SCALE DRAWINGS.						
TREATMENT:						
FINISH:						
SIMILAR TO SPECIAL MK SYM						
PART NO. CONTRACT NO.						
DRAWN: DLP DATE: 01/12/90						
CHECKED: M.J.L. DATE: 02/15/90						
DESIGN ACTIVITY: RGS DATE: 02/15/90						
TITLE: PULSELITE CONTROL UNIT						
ROCKWELL/GULF, TURBO COMMANDER						
DWG. NO. 600P0001						
SCALE 1=1						
STC # STC SA4005NM						
1 OF 1						

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