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NOTICE
FREEDOM OF INFORMATION ACT (5 USC 552) AND DISCLOSURE OF CONFIDENTIAL INFORMATION GENERALLY (18 USC 1905)
THIS DOCUMENT IS BEING FURNISHED IN CONFIDENCE BY HONEYWELL INC. THE INFORMATION DISCLOSED HEREIN FALLS WITHIN EXEMPTION (b) (4) OF 5 USC 552 AND THE PROHIBITIONS OF 18 USC 1905.

ZONE	REV	DESCRIPTION	DATE	APPROVED
	V	NOTES: ADD NOTE 32. SH IDX REV. 200200863A (NA)	08 JUN 97	J. BURKE
		DRAWING CHANGE ONLY. NO PARTS OR ASSEMBLIES IN PROCESS ARE AFFECTED.		

ZONE	REV	DESCRIPTION	DATE	APPROVED
		INITIAL RELEASE	2 JUL 87	E.C. THIESSEN
A		UPDTD VIEW 106458 (M)	17 DEC 87	G. NEMETH
B		MOVED VIEW, UPDTD NOTES. SH WAS 1 OF 4. DELETED SH 4. SH IDX REV. 113670 (NA-X)	23 AUG 88	G. NEMETH
C		NOTES: NOTE 4 WAS COMM 5872100-001 (RG-58/U) - CABLE. NOTE 5 WAS FOR 7510706. RMV NOTE 13. SH IDX REV. 03495 (NA)	24 AUG 89	T. EUROPA
D		NOTES: UPDTD NOTES 3 AND 5. ADD NOTES 22 AND 23. SH IDX REV. 19799 (NA)	17 OCT 89	T. EUROPA
A2-4		NOTES: ADD NOTE 24 AND 25. ADD SH NOTE 1781. CONTRACT WAS RCZ-850. WAS SH 1 OF 3. SH IDX REV. 45210 (NA)	24 AUG 90	T. EUROPA
F		NOTES: UOTO NOTE 14, 19 AND 22. UOTO SH NOTE FOR END UNIT RCZ-850 AND RCZ-851. ADD FOR END UNIT RCZ-851B. WAS SH 1 OF 5. SH IDX REV. 42990 (M)	13 AUG 91	T. EUROPA
G		SH NOTE: ADD (IAC) (4X). ADD FOR END UNIT RCZ-851D AND RCZ-850A. SH IDX REV. 111026 (NA)	13 NOV 91	J. HOWELL
H		ADD TBL. RMV SH NOTE. WAS SH 1 OF 8. SH IDX REV. 56977 (B)	15 MAY 92	J. TROKEL
J		NOTES: NOTE 24 WAS PI-26 --- CURRENTLY IMPLEMENTED. --- REQUIRED. 68611 (M)	6 JAN 93	J. TROKEL
K		NOTES: ADD NOTE 26 AND 27. TBL: ADD PN DASH NO. -807 AND -808. SH IDX REV. 62662 (NA)	1 JUL 93	J. TROKEL
L		NOTES: ADD NOTE 28, 29, 30 AND 31. TBL: PN DASH NO. -807 AND -808. UOTO UNIT DESC. ADD PN DASH NO. -850. WAS SH 1 OF 11. SH IDX REV. 62697 (NA)	19 OCT 93	J. TROKEL
M		TBL: ADD PN DASH NO. -808. APPL BLK: NEXT ASSY AND USED ON (SYS): PN WAS 7510700-901. SH IDX REV. 83616 (NA)	25 OCT 94	R. PAULSEN
N		RELOC TBL TO NEW SH 2. SH IDX REV. WAS SH 1 OF 13. 92352 (M)	02 FEB 96	T. EUROPA
P		NOTES: NOTE 28, 29 AND 30: UOTO SIGNAL NAMES. SH IDX REV. WAS SH 1 OF 20. 96447 (M)	21 MAY 97	T. EUROPA
R		SH IDX REV. WAS SH 1 OF 27. 96485 (M)	06 NOV 97	T. EUROPA
T		NOTES: NOTE 26 WAS SIGNAL --- RCZ-851F COM UNITS. NOTE 27 WAS SIGNAL --- RCZ-851G COM UNITS. SH IDX REV. 107406 (M)	04 OCT 99	J. SCHNEIDER
U		SH IDX REV. 107449 (B)	03 DEC 99	M. HOWK

- NOTES:
(UNLESS OTHERWISE SPECIFIED):
- ALL DIGITAL COMMUNICATIONS BUSES (DIGITAL AUDIO BUS, RSB) SHALL BE TERMINATED AS SPECIFIED IN PS7511029 PARAGRAPH 6.3. AND IN 7500302.
 - ⚡ SYMBOLIZES THE GROUND LUG ON THE BACK OF THE MOUNT.
 - TO ASSURE PROPER GROUNDING OF THIS SYSTEM, THE AIRCRAFT SURFACES TO WHICH ALL MOUNTINGS OR UNITS ARE ATTACHED MUST BE CLEAN BARE METAL. MOUNT TO AIRFRAME RESISTANCE SHALL BE 15 MILLIOHMS MAX. WITHOUT WIRING INSTALLED.
 - COM ANTENNA COAXIAL CABLE SHALL BE HONEYWELL P/N 58-721-00(00001) (RG-58C/U) OR EQUIVALENT COAXIAL CABLE.
 - FOR TRANSPONDER ANTENNA CABLE TYPE AND LENGTH SEE 7510706.
 - ALL WIRES SHALL BE STRANDED 22 AWG PER MIL-W-81044 OR MIL-2-22759/16 EXCEPT AS NOTED.
 - SHIELDED TWISTED PAIR CONDUCTOR 24 AWG SHALL BE RAYCHEM PART NUMBER 2524E0114 OR FILOTEX P/N 69654.
 - UNLESS OTHERWISE SPECIFIED SHIELDED SINGLE CONDUCTOR WIRE 22 AWG SHALL BE RAYCHEM PART NUMBER 44A1111-22-9-9 OR EQUIVALENT.
 - POWER CONNECTION SHALL BE MADE USING STRANDED 18 AWG WIRES WITH 10A CIRCUIT BREAKER. WITH 15A CIRCUIT BREAKER, HOWEVER, THE USE OF STRANDED 16 AWG WIRE IS RECOMMENDED.
 - FOR TEST PURPOSES ONLY. NOT TO BE USED IN THE SYSTEM.
 - THESE OUTPUTS ARE REFERENCED TO PI/J1 PIN 29.
 - FOR PROPER STRAPPING SEE PS7510700.
 -

- POWER CONNECTION SHALL BE MADE USING STRANDED 20 AWG WIRES.
- TO CONNECT POWER LEADS TO THE DESIGNATED PINS SPLICE STRANDED 22 AWG WIRES AS REQUIRED.
- FOR AUDIO BUS INTERCONNECT SEE 7511003.
- CHARACTERISTICS OF THE COM. ANTENNA: VERTICALLY POLARIZED, 50 OHMS IMPEDANCE, VSWR LESS THAN 2:1 FROM 118 MHZ. TO 152 MHZ. OR FROM 118 MHZ. TO 137 MHZ. AS APPROPRIATE.
- CHARACTERISTICS OF THE TOR ANTENNA: IMPEDANCE 50 OHMS, VSWR LESS THAN 1.5:1 FROM 1000 MHZ. TO 1120 MHZ.
- TO ENSURE PROPER INTERPRETATION AND OPERATION OF THE SQUAT SWITCH (AKA. WOW) FUNCTION, STRAPS MUST BE CORRECTLY SET PER PS7510700.
- FOR DUAL INSTALLATION SEE HONEYWELL DWG. 7500429.
- FOR AUXILIARY (ACH) CHANNELING EITHER THE CD-850 OR THE TX-850 MAY BE USED. THE CD-850 SHALL BE WIRED TO A DESIGNATED CIRCUIT BREAKER AND RECEIVES RSB MESSAGES, WHILE THE TX-850 RECEIVES IT'S POWER FROM THE RCZ-850 AND DOES NOT RECEIVE RSB MESSAGES.
- IN SOME INSTALLATIONS PI, P2, J4 AND J7 MAY BE OMITTED, SEE INSTALLATION DRAWING 7510706.
- J1 GROUND AND SHIELD GROUND WIRES MUST TERMINATE TO E1 OR E2 BEFORE CONNECTING TO J1 (SEE INSTALLATION DRAWING 7510706).
- PI-26, PI-99 AND PI-86 ARE SHOWN CONNECTED FOR FUTURE USE, BUT ARE CURRENTLY NOT IMPLEMENTED. NO CONNECTIONS ARE REQUIRED.
- PI-13 AND PI-1 ARE INPUTS WHICH ARE RESERVED FOR TCAS DISPLAY RANGE CONTROL.
- SIGNAL IS RESERVED ON RCZ-851F, RCZ-833F, RCZ-854F COM UNITS.
- SIGNAL IS RESERVED ON RCZ-851G, RCZ-833G, RCZ-854A, RCZ-854G COM UNITS.
- MUT SUP P IS THE MUTUAL SUPPRESSION BUS WHICH SHOULD GO TO ALL AIRCRAFT SYSTEMS WHICH REQUIRE L-BAND SUPPRESSION.
- CTL SCR SEL1 NO DISCRETE SELECTS EITHER CTL1 OR CTL2 ARINC BUS INPUTS, SEE PS7510700 FOR DISCRETE OPERATION.

- SOME CONTROL PANELS HAVE THE ABILITY TO ACTIVATE THE TRANSPONDER AIR GROUND INPUTS. THE AIRCRAFT STRUT SWITCH MAY BE CONNECTED DIRECTLY TO THE AIR GROUND INPUTS.
- FOR RCB TUNING SOURCE, TRANSPONDER REMOTELY TUNED FROM RCZ-851C COM UNIT.
- 850 MAY NOT BE USED FOR NEW VARIABLE.

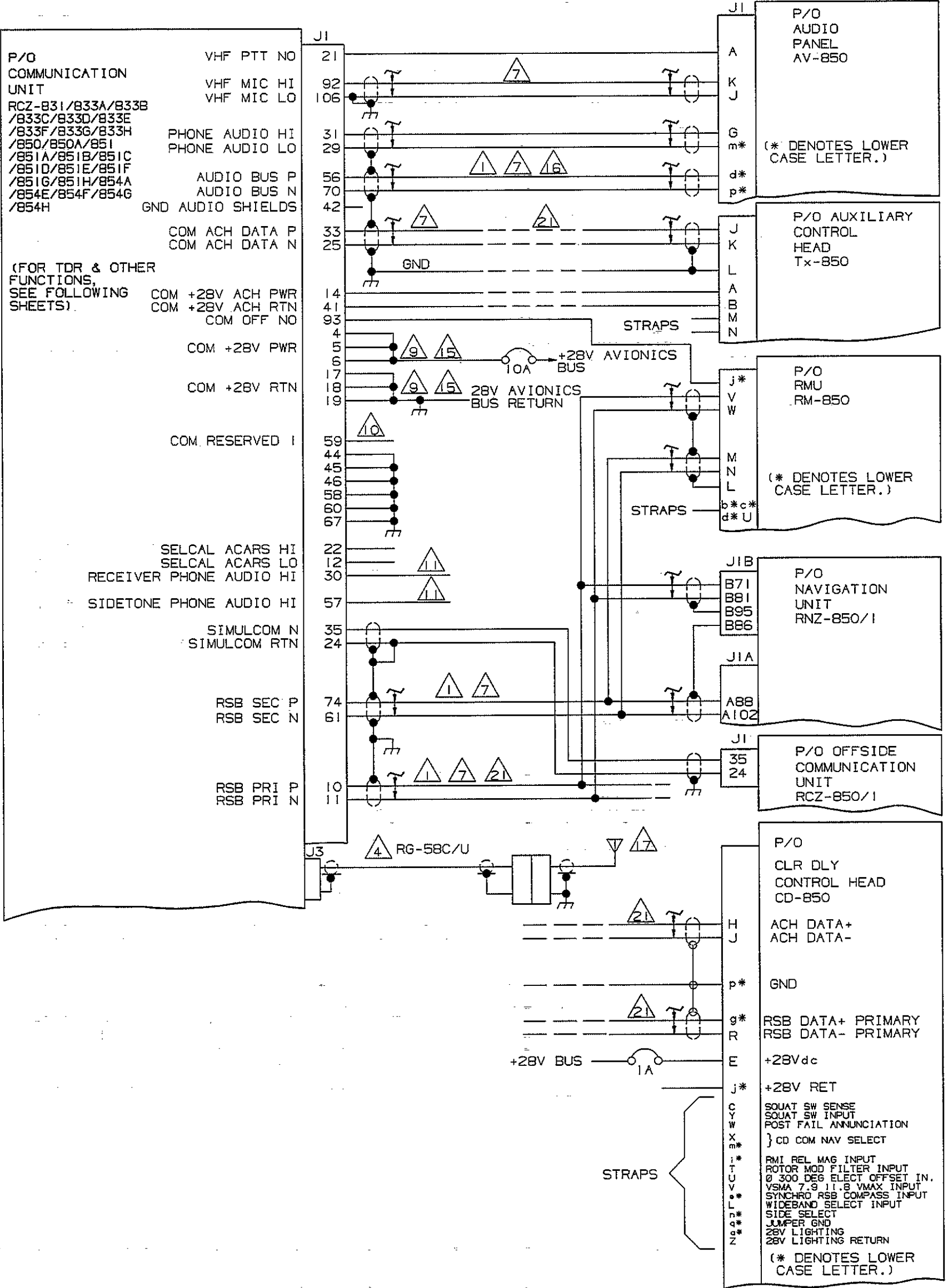
45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	SHEET INDEX				
FOR HONEYWELL REFERENCE																									INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M-1994																								
MFG REF NO.																									MATERIAL PROCESS-FINISH																								
DPA NO. R-0621																									MILITARY DESIGNATION																								
PRODUCT LINE NO. 3851																									PROCESS, FINISH, SEE 00.40.																								
AW/PS ANALYSIS EB 7510800																									ITEM CODE (PER E8899384)																								
REF DWG												REF SPEC													THIRD ANGLE PROJECTION																								
7510700												7510700													DWG CLASS A																								
NEXT ASSY												USED ON (SYS)													FIRST USED ON 7510700-90																								
APPLICATION																																																	

CONTRACT RCZ-850/851		OPERATIONAL NOTE	
DRAWN BY A. WHILDEN	DATE 23 JUN 87	DESIGNED BY	
CHECKED BY	DATE	Honeywell	
APVD FOR MFG	DATE	COMMERCIAL FLIGHT SYSTEMS GROUP PHOENIX, ARIZONA	
APVD FOR OE G. NEMETH	DATE 24 JUN 87	TITLE INTERCONNECT DIAGRAM - COMMUNICATION UNIT	
APVD FOR ENGRG	DATE	SIZE/CAGE CODE D155939	DRAWING NO. 7510708
APVD FOR ENGRG	DATE	SCALE NONE	UNIT WT
APVD FOR	DATE	SHEET 1 OF 26	

REV NO.		7510708		2		REVISIONS	
ZONE	REV	DESCRIPTION	DATE	APPROVED			
	N	ADD THIS SHEET. RELOC TBL FROM SH 1: ADD -826 THRU -829, -853, -861 THRU -869 AND -873 VAR.	02FEB96	T. EUROPA 26JAN96 DAVIS CB			
	P	TBL: EXTENSIVELY REVISED.	21MAY97	T. EUROPA 21MAY97 HAYWOOD CB			
	R	TBL: END UNIT: RMV MODEL NO. RCZ-833A (PN 7510700-863), MODEL NO. RCZ-831 AND RCZ-833B THRU RCZ-834; COM UNIT: ARINC 429 WAS YES. SHEETS 17 THRU 26 REFS WAS SHEETS 18 THRU 27 RESP.	06NOV97	T. EUROPA 11NOV97 HAYWOOD CB			
	T	TBL: ADD END UNIT MODEL NO. RCZ-854A.	04OCT99	J. SCHNEIDER 04OCT99 BEGAY BS			
	V	TBL: END UNIT: ADD NOTE 33 CALLOUT TO PART NUMBER. RMV MODEL NO. RCZ-852 SEE SH 1.		BLURKE SUBRO SUBRO			

END UNIT		COM UNIT			SEE SHEETS	END UNIT		COM UNIT			SEE SHEETS	END UNIT		COM UNIT			SEE SHEETS	END UNIT DESCRIPTION	UNIT WIDTH
MODEL NO.	PART NUMBER	FREQ kHz	ARINC 429	ACARS		MODEL NO.	PART NUMBER	FREQ kHz	ARINC 429	ACARS		MODEL NO.	PART NUMBER	FREQ kHz	ARINC 429	ACARS			
RCZ-850	7510700-901	25.0	NO	NO	3, 4													MODE S XPDR	NAR
RCZ-850A	7510700-902	25.0	NO	NO	3, 5													ATCRBS XPDR	NAR
RCZ-851	7510700-801	25.0	NO	NO	3, 4	RCZ-831	7510700-861	8.33	NO	NO	3, 15							MODE S XPDR	NAR
RCZ-851A	7510700-803	25.0	NO	NO	3, 6													TCAS INTERFACE, IAC	NAR
RCZ-851B	7510700-802	25.0	NO	NO	3, 7, 8, 9	RCZ-833B	7510700-862	8.33	NO	NO	3, 7, 8, 20	RCZ-833B	7510700-762	8.33	YES	YES	3, 7, 8, 21	DIV XPDR, IAC, GILMAN ALT	WIDE
RCZ-851C	7510700-804	25.0	NO	NO	3, 10	RCZ-833C	7510700-864	8.33	NO	NO	3, 18							NO XPDR, IAC	NAR
RCZ-851D	7510700-805	25.0	NO	NO	3, 5	RCZ-833D	7510700-865	8.33	NO	NO	3, 16							ATCRBS XPDR, IAC	NAR
RCZ-851E	7510700-806	25.0	NO	NO	3, 11, 12	RCZ-833E	7510700-866	8.33	NO	NO	3, 11, 22	RCZ-833E	7510700-766	8.33	YES	YES	3, 11, 23	DIV XPDR, IAC, DADC ALT	WIDE
RCZ-851F	7510700-807	25.0	NO	NO	3, 11, 12	RCZ-833F	7510700-867	8.33	NO	NO	3, 11, 22	RCZ-833F	7510700-767	8.33	YES	YES	3, 11, 23	MODE S XPDR, IAC, DADC ALT	WIDE
RCZ-851G	7510700-808	25.0	NO	NO	3, 11, 12	RCZ-833G	7510700-868	8.33	NO	NO	3, 11, 22	RCZ-833G	7510700-768	8.33	YES	YES	3, 11, 23	ATCRBS XPDR, IAC DADC ALT	WIDE
RCZ-851H	7510700-809	25.0	NO	NO	3, 10	RCZ-833H	7510700-869	8.33	NO	NO	3, 18	RCZ-833H	7510700-769	8.33	YES	YES	3, 24	NO XPDR, IAC	WIDE
RCZ-853	7510700-853	25.0	YES	YES	25, 26	RCZ-833	7510700-833	8.33	YES	YES	25, 26							STAND ALONE COM	S/A
RCZ-854E	7510700-826	25.0	EMER	NO	3, 11, 19							RCZ-854E	7510700-726	25.0	EMER	YES	3, 11, 17	DIV XPDR, IAC, DADC ALT	WIDE
RCZ-854F	7510700-827	25.0	EMER	NO	3, 11, 19							RCZ-854F	7510700-727	25.0	EMER	YES	3, 11, 17	MODE S XPDR, IAC, DADC ALT	WIDE
RCZ-854G	7510700-828	25.0	EMER	NO	3, 11, 19							RCZ-854G	7510700-728	25.0	EMER	YES	3, 11, 17	ATCRBS XPDR, IAC, DADC ALT	WIDE
RCZ-854H	7510700-829	25.0	EMER	NO	3, 18							RCZ-854H	7510700-729	25.0	EMER	YES	3, 24	NO XPDR, IAC	WIDE
												RCZ-854A	7510700-720	25.0	EMER	YES	3, 7, 8, 21	ATCRBS XPDR, IAC, GILHAM ALT	WIDE

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	SCALE NONE	SHEET 2		



ZONE	REV	DESCRIPTION	DATE	APPROVED
B	1	ADDED THIS SHEET.	23/09/88	G. KEMETH DA
C	1	UPD'D VIEW.	24/08/88	T. EUROPA RR
E	1	SCHEM: REF P/O COMMUNICATION UNIT RCZ-850/1 P/O --- 851A/851B/851C WAS P/O --- RCZ-850 45210(N/A)	24/09/80	T. EUROPA 20/09/80 WALTER BJ
F	1	UNIT.	13/08/81	T. EUROPA 13/08/81 WALTER BJ
G	1	SCHEM: REF P/O COMMUNICATION UNIT --- 851E P/O --- 850/851/851B/851C/851E 111026(N/A)	13/09/81	T. EUROPA 13/09/81 WALTER BJ
H	1	UNIT SCHEM: REF P/O COMMUNICATION UNIT --- 851E P/O --- 851C, UNIT REFS. 56977(1B)	13/09/82	T. EUROPA 13/09/82 WALTER BJ
J	1	UNIT SCHEM: REF DES J1: R/W PIN NO. 14 AND 89811(N/A)	03/08/83	T. EUROPA 03/08/83 WALTER BJ
K	1	SCHEM: REF P/O COMMUNICATION UNIT --- 851H P/O --- 851E, PIN 50 REF. RESERVED I/AGC ANALOG VOLTAGE! WAS AGC ANALOG VOLTAGE. 62682(N/A)	14/01/83	T. EUROPA 14/01/83 WALTER BJ
M	1	UNIT SCHEM: REF P/O COMMUNICATION UNIT --- 851H P/O --- 851G.	22/02/84	R. PAULSEN 04/02/84 WALTER BJ
N	1	UNIT SCHEM: REF P/O COMMUNICATION UNIT --- 851H P/O --- 851H, WAS SH 2.	02/09/86	T. EUROPA 25/09/86 DAVIS
P	1	UNIT SCHEM: REF P/O COMMUNICATION UNIT --- 854H EXTENSIVE REVISED UNIT SIGNAL NAME WAS RESERVED (WAS ANALOG VOLTAGE) 95447(N/A)	21/01/87	T. EUROPA 21/01/87 WALTER BJ
U	1	UNIT SCHEM: P/O COMMUNICATION UNIT: ADD RCZ-854A REF. 10749(1B)	20/09/89	T. EUROPA 20/09/89 WALTER BJ

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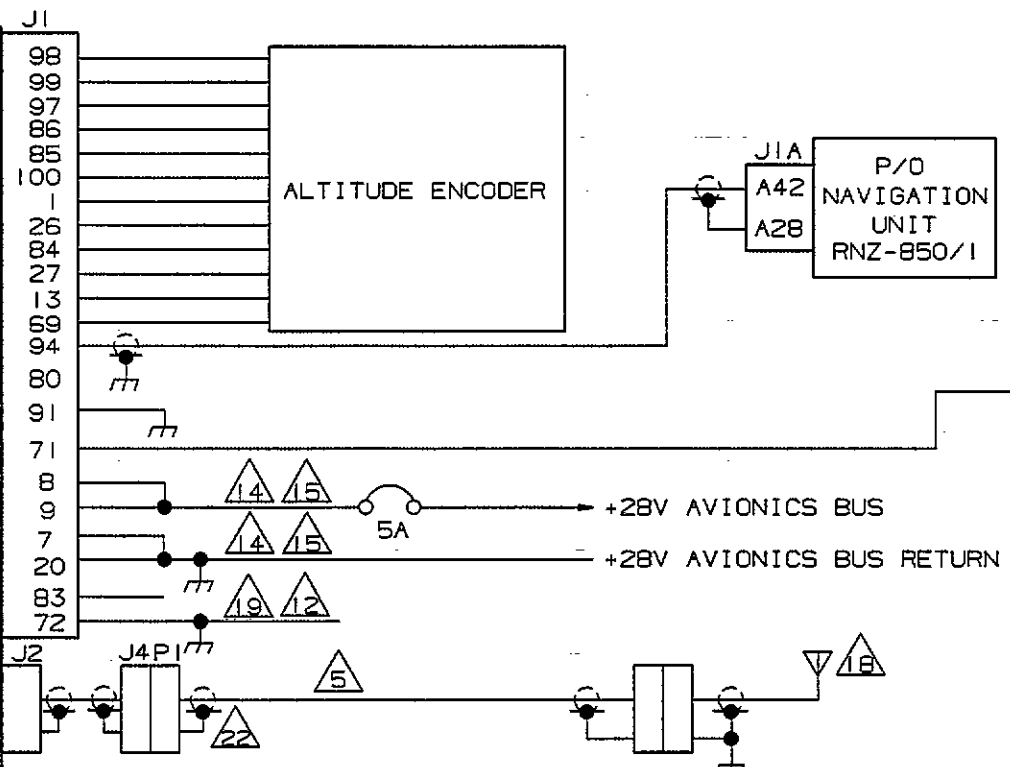
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DRAWING NO. 7510708

SHEET 3

P/O PILOT COMMUNICATION UNIT RCZ-850/851 (FOR COM FUNCTIONS SEE SH 3)

ENC ALT A1 NO 98
 ENC ALT A2 NO 99
 ENC ALT A4 NO 97
 ENC ALT B1 NO 86
 ENC ALT B2 NO 85
 ENC ALT B4 NO 100
 ENC ALT C1 NO 1
 ENC ALT C2 NO 26
 ENC ALT C4 NO 84
 ENC ALT D2 NO 27
 ENC ALT D4 NO 13
 ENC ALT COMMON 69
 MUT SUP P 94
 MUT SUP RTN 80
 SQUITTER ENABLE NO 91
 XPDR OFF NO 71
 XPDR +28V PWR 8
 XPDR +28V RTN 9
 7
 20
 SQUAT SWITCH NO 83
 SQUAT SWITCH RET 72



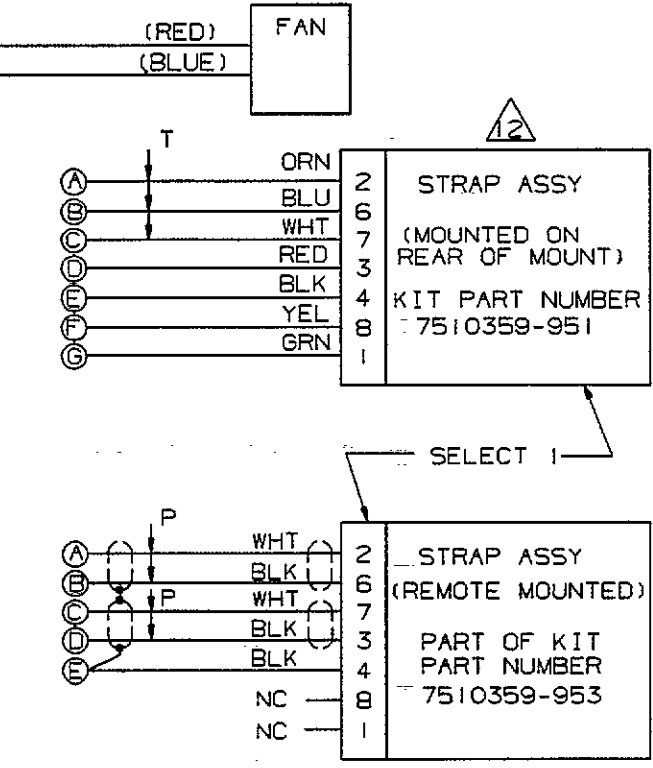
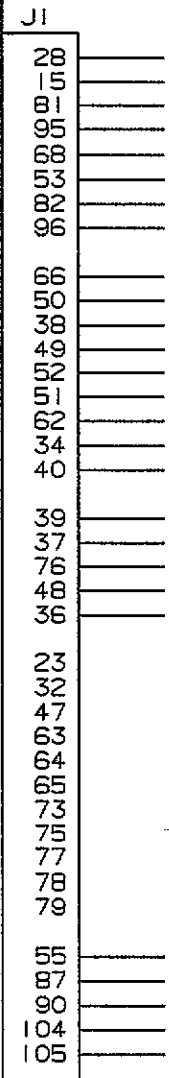
RCB 1 RX P 28
 RCB 1 RX N 15
 RCB 1 TX P 81
 RCB 1 TX N 95
 RCB 2 RX P 68
 RCB 2 RX N 53
 RCB 2 TX P 82
 RCB 2 TX N 96

AUX AUD 1 HI 66
 AUX AUD 1 LO 50
 AUX AUD 2 HI (USE FOR NAV 3) 38
 AUX AUD 2 LO (USE FOR NAV 3) 49
 AUX AUD 3 HI 52
 AUX AUD 3 LO 51
 AUX AUD 4 HI 62
 AUX AUD 4 LO 34
 GND (AUDIO SHIELDS) 40

HF COM DISABLE NO 39
 HF COM XMIT NO 37
 AUDIO STATUS 1 NO 76
 AUDIO STATUS 2 NO 48
 AUDIO STATUS 3 NO 36

RESERVED FOR COM 422A 23
 RESERVED FOR COM 422B 32
 RESERVED FOR XPDR 422A 47
 RESERVED FOR XPDR 422B 63
 RESERVED FOR XPDR RSV 5 64
 RESERVED FOR CLUSTER 429A 65
 RESERVED FOR CLUSTER 429B 73
 RESERVED FOR TCAS 429A 75
 RESERVED FOR COM EMERGENCY NO 77
 SPARE DO NOT USE 78
 RESERVED FOR TCAS 429B 79

RESERVED FOR XPDR 4 55
 RESERVED FOR XPDR 3 87
 RESERVED FOR XPDR 2 90
 RESERVED FOR XPDR 1 104
 RESERVED FOR SQUITTER ENABLE RTN 105



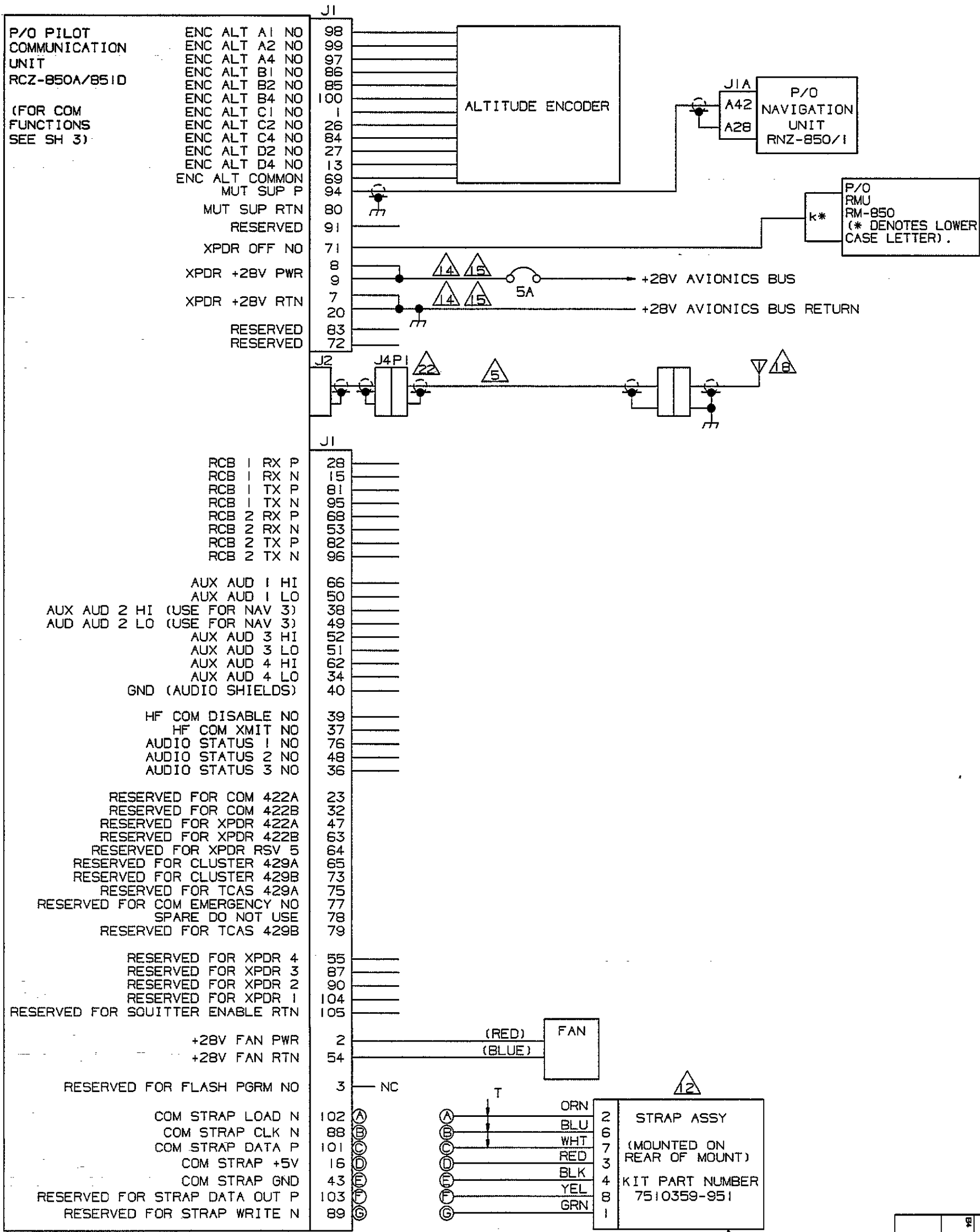
ZONE	REV	DESCRIPTION	DATE	APPROVED
P		UNIT SCHEM: UOIT SIGNAL NAMES: J1-39, 49, 57, 67, 77, 87, 97, 105 AND 103. ADD SIGNAL NAME LIST 1-2 AND J1-54. WAS COM +28V. 82447(N)		
B		UPDIT VIEW, SH WAS 2 OF 4.	11/25/70 (NA-XI)	
C		UPDIT VIEW.	09/19/55 (NA)	
D		UPDIT VIEW.	18/28 (NA)	
E		SCHEM: REF P/O PILOT COMMUNICATION UNIT RCZ-850/851 WAS P/O UNIT RCZ-850. REF +28V MAIN BUS RETURN WAS +28V MAIN BUS. 45210 (NA)	24/03/60	
F		UNIT SCHEM: UOIT PIN 55, 87, 90, 104 AND 105: ADD RESERVED. 42390 (NA)	15/08/61	
G		SCHEM: REF P/O PILOT ... 8510 WAS P/O ... RCZ-850/851. 11/02/61 (NA)	13/09/61	
H		UNIT SCHEM: REF P/O PILOT ... 851 WAS P/O ... RCZ-850/851/851/D. UOIT REFS. 55927 (NA)	19/04/62	
J		UNIT SCHEM: REF DES J1: PIN NO. 71 UOIT REFS. 09811 (NA)	05/04/63	
B4		UNIT SCHEM: J1-32, J1-33, J1-47, J1-63, J1-64, J1-70 AND J1-78. FUNCTION WAS SPARE. WAS SH 3. 92352 (NA)	02/09/65	

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SIZE CASE CODE: D 55939
 DRAWING NO: 7510708
 SHEET: 4

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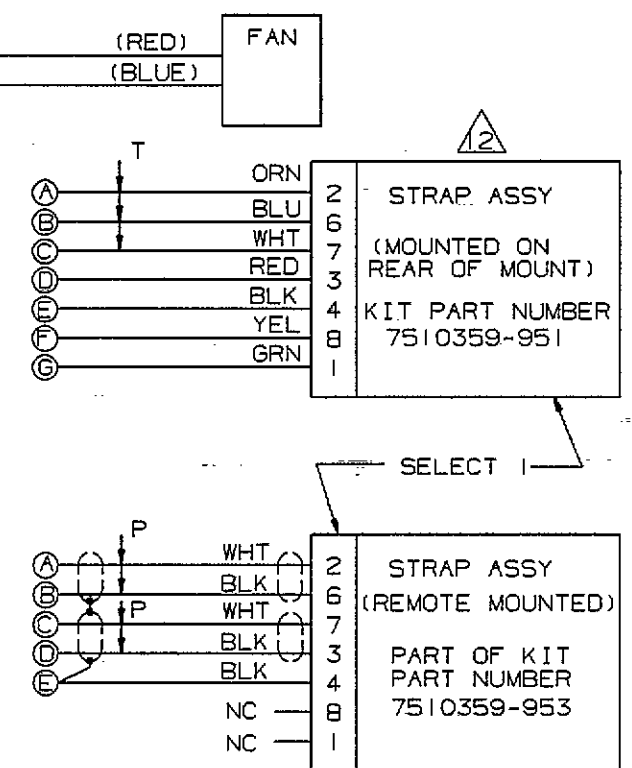
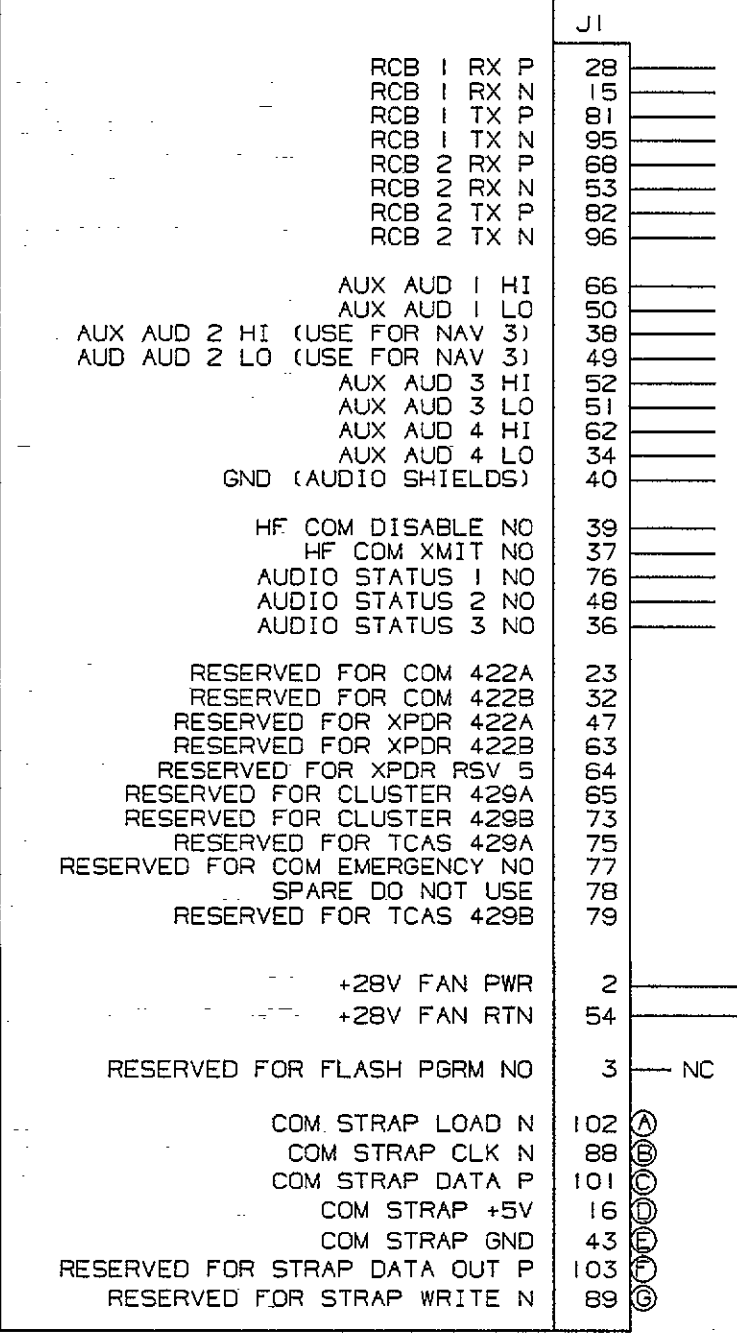
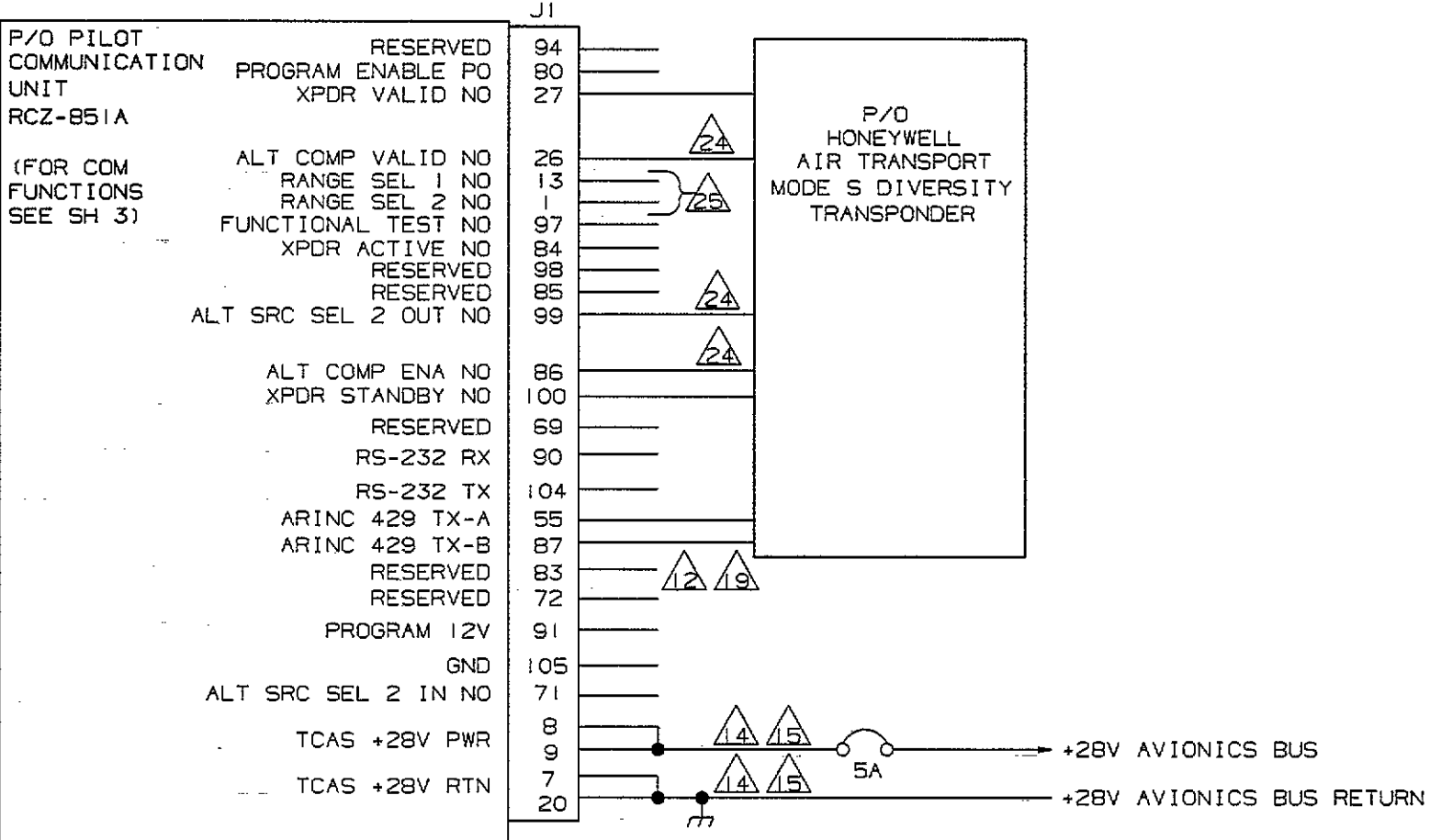
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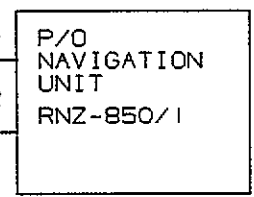
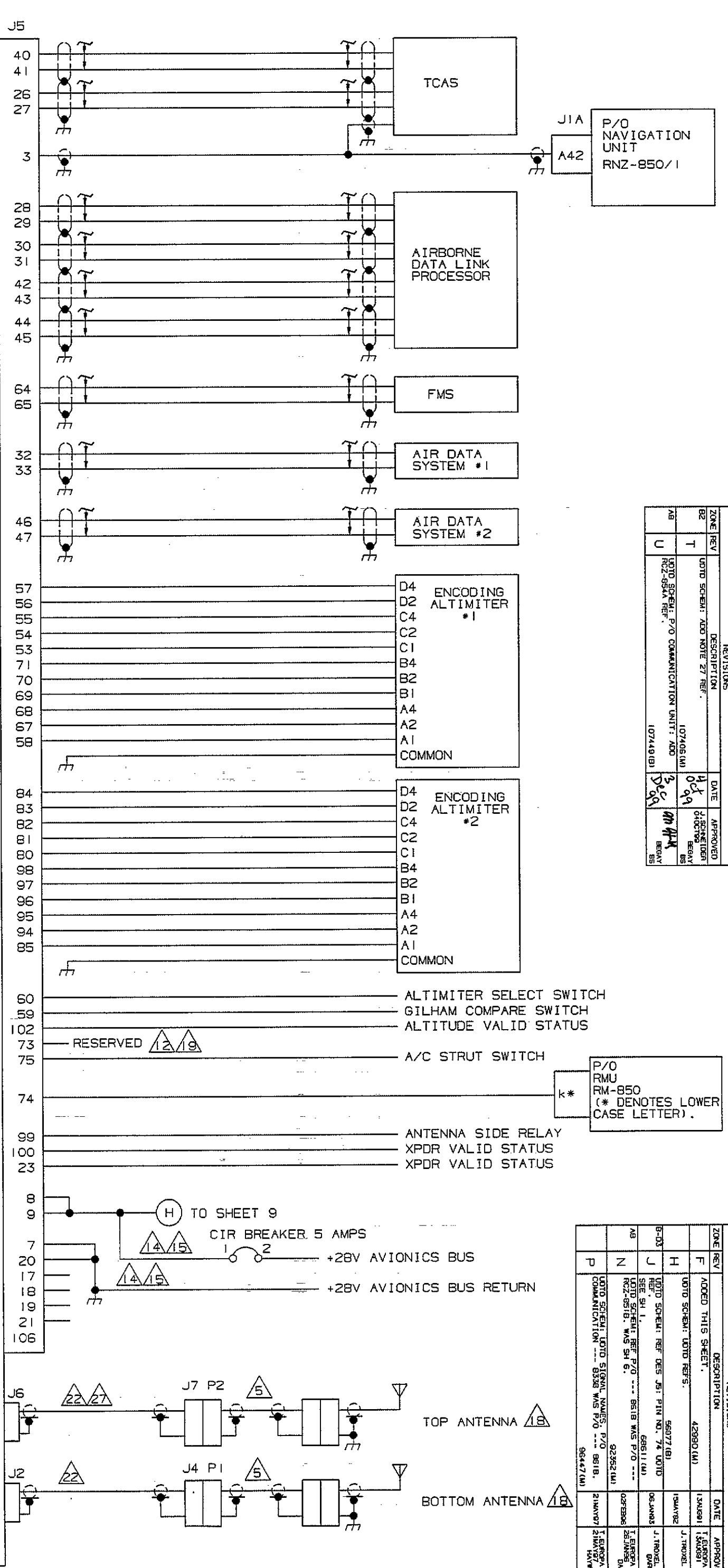
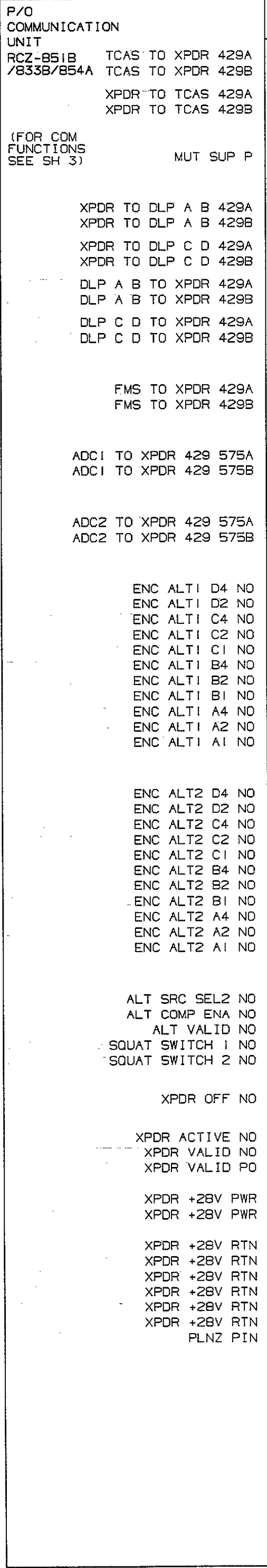
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REV	ZONE	DESCRIPTION	DATE	APPROVED
B-07	H	ADD THIS SHEET.	5/8/72	J. TROBEL
J	H	ADD THIS SHEET.	5/8/72	J. TROBEL
N	H	ADD THIS SHEET.	5/8/72	J. TROBEL
P	H	ADD THIS SHEET.	5/8/72	J. TROBEL

231-038 (ANSI) Y14.1-1990 HONEYWELL INC. REV 3-87
 7
 6
 5
 4
 3
 2
 COMPUTER GENERATED



NO.	REV	DESCRIPTION	DATE	APPROVED
7510708	6			
	REV	ADD THIS SH.		
	E	422101(NVA)	24/06/90	T. EUROPA
	F	428901(M)	13/06/91	J. WILHELM
	B2-B	428901(M)	15/06/92	J. TROTEL
	B7,8	569771(B)	06/JAN/93	J. TROTEL
	B4	686111(M)	02/SEP/93	J. TROTEL
	P	964471(M)	02/SEP/93	J. TROTEL



ZONE	REV	DESCRIPTION	DATE	APPROVED
B2	T	UOTD SCHEM: ADD NOTE 27 REF.	04/99	J. THORPE
AB	U	UOTD SCHEM: P/O COMMUNICATION UNIT: ADD RCZ-851A REF.	03/99	J. THORPE

ZONE	REV	DESCRIPTION	DATE	APPROVED
B-03	F	ADDED THIS SHEET.	15/09/91	J. THORPE
H	H	UOTD SCHEM: UOTD REFS.	15/04/92	J. THORPE
J	J	UOTD SCHEM: REF DES J5: PIN NO. 74 UOTD REF.	08/04/93	J. THORPE
N	N	UOTD SCHEM: REF P/O ... 851B WAS P/O ...	02/09/95	J. THORPE
P	P	UOTD SCHEM: UOTD SIGNAL NAMES, P/O COMMUNICATION ... 833B WAS P/O ...	21/04/97	J. THORPE

Honeywell

SEE FIRST SHEET FOR CONTINUED INFORMATION ON THIS SHEET. THE FIRST SHEET OF THIS DOCUMENT IS THE FIRST SHEET OF THIS DOCUMENT.

SIZE/CAGE CODE: D155939
 DRAWING NO.: 7510708
 SHEET: 7

J5

P/O COMMUNICATION UNIT	CTL1 TO XPDR 429A	34
	CTL1 TO XPDR 429B	35
RCZ-851B/833B /854A	CTL2 TO XPDR 429A	48
	CTL2 TO XPDR 429B	49
(FOR COM FUNCTIONS SEE SH 3)	RSV1 TO XPDR 429A	36
	RSV1 TO XPDR 429B	37
	RSV2 TO XPDR 429A	38
	RSV2 TO XPDR 429B	39
	XPDR TO RSV1 429A	50
	XPDR TO RSV1 429B	51
	XPDR TO RSV2 429A	62
	XPDR TO RSV2 429B	63
	XPDR RX RCB P	78
	XPDR RX RCB N	79
	XPDR TX RCB P	76
	XPDR TX RCB N	77
	CTL1 SRC SEL1 NO	61
	XPDR STANDBY NO	72
	RSV INPUT 1 NO	86
	RSV INPUT 2 NO	87
	RSV INPUT 3 NO	88
	RSV INPUT 4 NO	89
	RSV OUTPUT 1 NO	101
	PROGRAM +15V	25
	PROGRAM ENA PO	11
	XPDR TX RS232	12
	XPDR RX RS232	24
	XPDR STRAP +5V	90
	XPDR STRAP GND	103
	XPDR STRAP LOAD N	92
	XPDR STRAP CLK N	91
	XPDR STRAP PGM N	104
	XPDR STRAP PGM DATA P	105
	XPDR STRAP DATA P	93
	XPDR FAN +28V PWR	2
	XPDR FAN +28V RTN	1
	RESERVED	13
	RESERVED	14
	RESERVED	15
	RESERVED	16
	RESERVED	52
	RESERVED	66
	SPARE	4
	SPARE	5
	SPARE	6
	SPARE	10
	SPARE	22

ZONE	REV	DESCRIPTION	DATE	APPROVED
F		ADD THIS SH.	15AUG91	T. EUROPA
			15AUG91	B.J.
H		SCHEM: LOTD REFS.	18MAY92	J. THORPEL
			92077(B)	
N		LOTD SCHEM: REF P/O --- 851B WAS P/O ---	02FEB93	T. EUROPA
		RCZ-851B. WAS SH 7.	28JUN93	DAVIS
			92352(L1)	OB
P		LOTD SCHEM: LOTD SIGNAL NAMES. P/O ---	21MAY97	T. EUROPA
		COMMUNICATION ---853B WAS P/O --- 851B.	21MAY97	HAYWOOD
			92447(L1)	
A7		LOTD SCHEM: P/O COMMUNICATION UNIT: ADD		
		RCZ-854A REF.	107449(B)	

Honeywell

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SIZE/CAGE CODE: D155939

DRAWING NO.: 7510708

SHEET: 8

REV: U

COMPUTER GENERATED

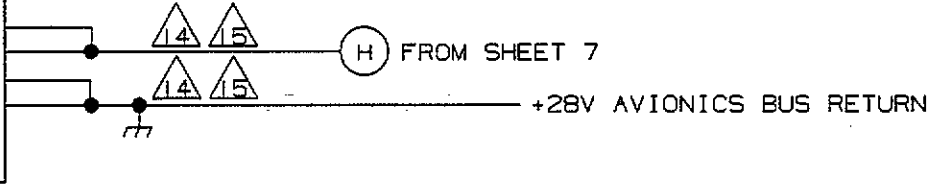
P/O PILOT COMMUNICATION UNIT
RCZ-851B

(FOR COM FUNCTIONS SEE SH 3)

RESERVED FOR DLP C D TO XPDR 429A 98
 RESERVED FOR ADC1 TO XPDR 429 575A 99
 RESERVED FOR XPDR TO DLP C D 429A 97
 RESERVED FOR ADC1 TO XPDR 429 575B 86
 RESERVED FOR DLP C D TO XPDR 429B 85
 RESERVED FOR ADC2 TO XPDR 429 575A 100
 RESERVED FOR DLP A B TO XPDR 429B 1
 RESERVED FOR XPDR TO DLP A B 429B 26
 RESERVED FOR XPDR TO DLP C D 429B 84
 RESERVED FOR XPDR TO DLP A B 429A 27
 RESERVED FOR DLP A B TO XPDR 429A 13
 RESERVED FOR ADC2 TO XPDR 429 575B 69
 RESERVED FOR MUT SUPPR P 94
 RESERVED FOR ALT SRC SEL2 NO 80
 RESERVED FOR XPDR ACTIVE NO 91
 RESERVED FOR XPDR OFF NO 71
 XPDR +28V PWR 8
 XPDR +28V RTN 9
 RESERVED FOR SQUAT SWITCH NO 7
 RESERVED FOR SQUAT SWITCH RTN 20
 RESERVED FOR SQUAT SWITCH NO 83
 RESERVED FOR SQUAT SWITCH RTN 72

J1

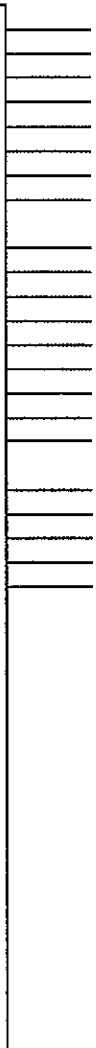
98
99
97
86
85
100
1
26
84
27
13
69
94
80
91
71
8
9
7
20
83
72



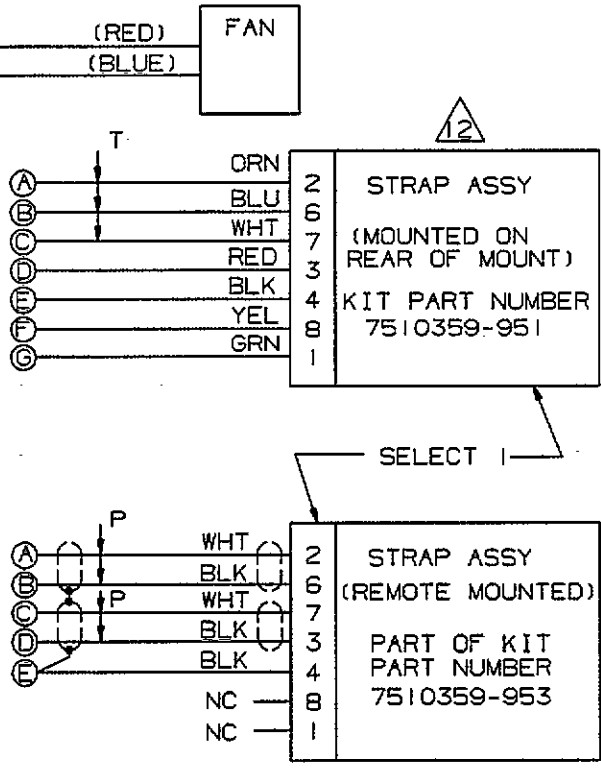
RCB 1 RX P 28
 RCB 1 RX N 15
 RCB 1 TX P 81
 RCB 1 TX N 95
 RCB 2 RX P 68
 RCB 2 RX N 53
 RCB 2 TX P 82
 RCB 2 TX N 96
 AUX AUD 1 HI 66
 AUX AUD 1 LO 50
 AUX AUD 2 HI (USE FOR NAV 3) 38
 AUX AUD 2 LO (USE FOR NAV 3) 49
 AUX AUD 3 HI 52
 AUX AUD 3 LO 51
 AUX AUD 4 HI 62
 AUX AUD 4 LO 34
 GND (AUDIO SHIELDS) 40
 HF COM DISABLE NO 39
 HF COM XMIT NO 37
 AUDIO STATUS 1 NO 76
 AUDIO STATUS 2 NO 48
 AUDIO STATUS 3 NO 36
 RESERVED FOR COM 422A 23
 RESERVED FOR COM 422B 32
 RESERVED FOR XPDR 422A 47
 RESERVED FOR XPDR 422B 63
 RESERVED FOR XPDR RSV 5 64
 RESERVED FOR CLUSTER 429A 65
 RESERVED FOR CLUSTER 429B 73
 RESERVED FOR TCAS 429A 75
 RESERVED FOR COM EMERGENCY NO 77
 SPARE DO NOT USE 78
 RESERVED FOR TCAS 429B 79
 RESERVED FOR XPDR 4 55
 RESERVED FOR XPDR 3 87
 RESERVED FOR XPDR 2 90
 RESERVED FOR XPDR 1 104
 RESERVED FOR SQUITTER ENABLE RTN 105
 +28V FAN PWR 2
 +28V FAN RTN 54
 RESERVED FOR FLASH PGRM NO 3

J1

28
15
81
95
68
53
82
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38
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51
62
34
40
39
37
76
48
36
23
32
47
63
64
65
73
75
77
78
79
55
87
90
104
105



RESERVED FOR FLASH PGRM NO 3
 COM STRAP LOAD N 102
 COM STRAP CLK N 88
 COM STRAP DATA P 101
 COM STRAP +5V 16
 COM STRAP GND 43
 RESERVED FOR STRAP DATA OUT P 103
 RESERVED FOR STRAP WRITE N 89



ZONE	REV	DESCRIPTION	DATE	APPROVED
F		ADD THIS SH.	4/29/90 (M)	T. LEONORA 15AUG90 JM
H		LOTO SCHEM: LOTO REFS.		
N		LOTO SCHEM: J1-23, J1-32, J1-47, J1-63, J1-64, J1-69, J1-72, J1-73, J1-74, J1-75, J1-76, J1-78 AND J1-79: FUNCTION WAS SPARE. WAS SH 6. 92382 (M)	5/29/97 (B)	T. LEONORA 25AUG97 OVIS
P		LOTO SCHEM: SIGNAL NAMES EXTENSIVELY REVISED.	9/4/97 (M)	

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 DRAWING NO. 7510708
 SHEET 9

P/O PILOT COMMUNICATION UNIT
RCZ-851C/851H

(FOR COM FUNCTIONS SEE SH 3)

RESERVED FOR DLP C D TO XPDR 429A	98
RESERVED FOR ADC1 TO XPDR 429 575A	99
RESERVED FOR XPDR TO DLP C D 429A	97
RESERVED FOR ADC1 TO XPDR 429 575B	86
RESERVED FOR DLP C D TO XPDR 429B	85
RESERVED FOR ADC2 TO XPDR 429 575A	100
RESERVED FOR DLP A B TO XPDR 429B	1
RESERVED FOR XPDR TO DLP A B 429B	26
RESERVED FOR XPDR TO DLP C D 429B	84
RESERVED FOR XPDR TO DLP A B 429A	27
RESERVED FOR DLP A B TO XPDR 429A	13
RESERVED FOR ADC2 TO XPDR 429 575B	69
RESERVED FOR MUT SUPPR P	94
RESERVED FOR ALT SRC SEL2 NO	80
RESERVED FOR XPDR ACTIVE NO	91
RESERVED FOR XPDR OFF NO	71
RESERVED FOR XPDR +28V PWR	8
RESERVED FOR XPDR +28V PWR	9
RESERVED FOR XPDR +28V RTN	7
RESERVED FOR XPDR +28V RTN	20
RESERVED FOR SQUAT SWITCH NO	83
RESERVED FOR SQUAT SW RETURN	72

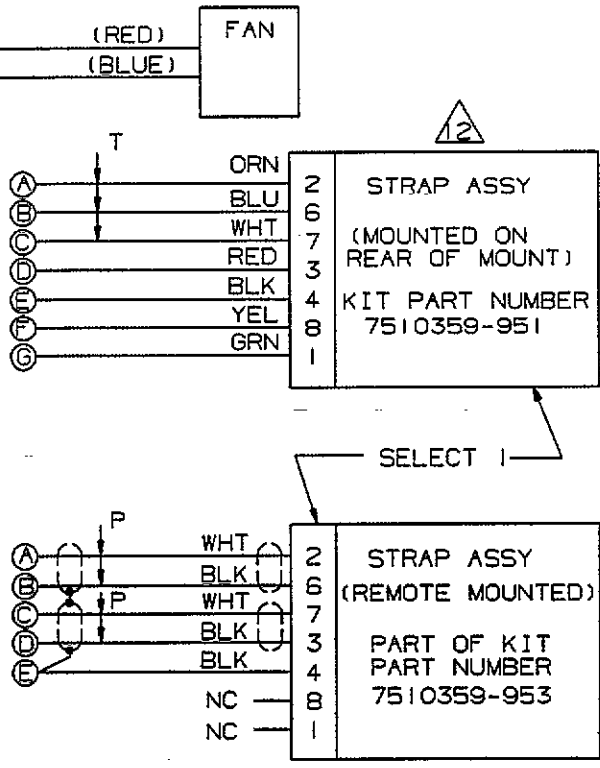
RCB 1 RX P	28
RCB 1 RX N	15
RCB 1 TX P	81
RCB 1 TX N	95
RCB 2 RX P	68
RCB 2 RX N	53
RCB 2 TX P	82
RCB 2 TX N	96

AUX AUD 1 HI	66
AUX AUD 1 LO	50
AUX AUD 2 HI (USE FOR NAV 3)	38
AUX AUD 2 LO (USE FOR NAV 3)	49
AUX AUD 3 HI	52
AUX AUD 3 LO	51
AUX AUD 4 HI	62
AUX AUD 4 LO	34
GND (AUDIO SHIELDS)	40
HF COM DISABLE NO	39
HF COM XMIT NO	37
AUDIO STATUS 1 NO	76
AUDIO STATUS 2 NO	48
AUDIO STATUS 3 NO	36

RESERVED FOR COM 422A	23
RESERVED FOR COM 422B	32
RESERVED FOR XPDR 422A	47
RESERVED FOR XPDR 422B	63
RESERVED FOR XPDR RSV 5	64
RESERVED FOR CLUSTER 429A	65
RESERVED FOR CLUSTER 429B	73
RESERVED FOR TCAS 429A	75
RESERVED FOR COM EMERGENCY NO	77
SPARE DO NOT USE	78
RESERVED FOR TCAS 429B	79

RESERVED FOR XPDR 4	55
RESERVED FOR XPDR 3	87
RESERVED FOR XPDR 2	90
RESERVED FOR XPDR 1	104
RESERVED FOR SQUITTER ENABLE RTN	105

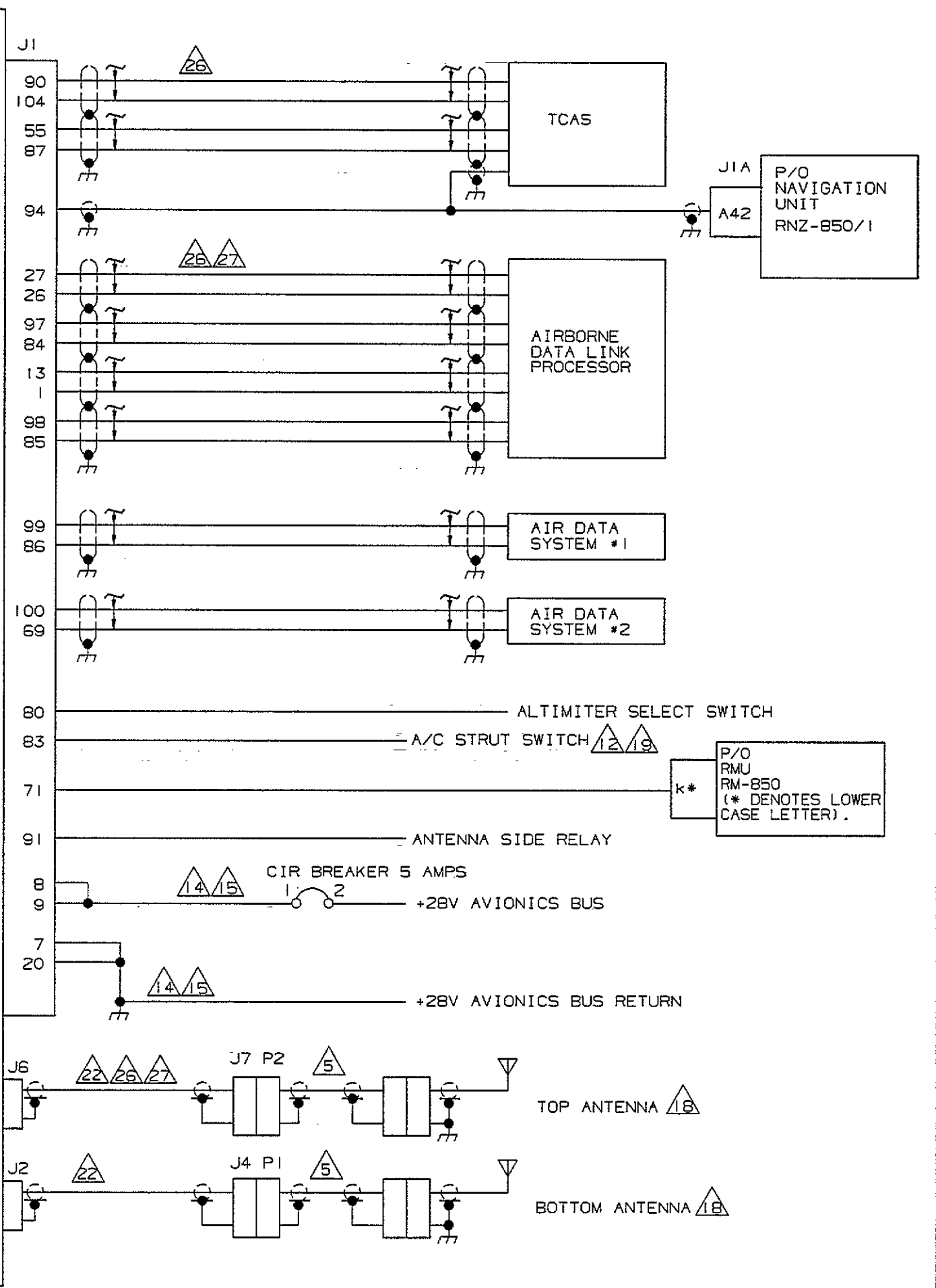
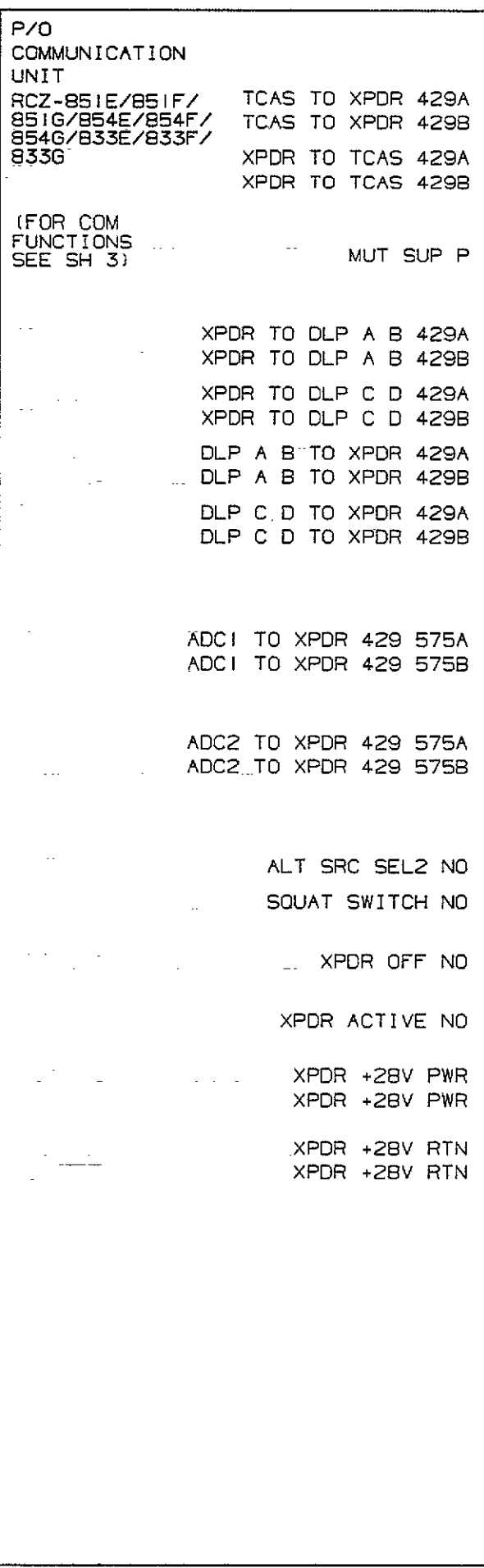
+28V FAN PWR	2
+28V FAN RTN	54
RESERVED FOR FLASH PGRM NO	3
COM STRAP LOAD N	102
COM STRAP CLK N	88
COM STRAP DATA P	101
COM STRAP +5V	16
COM STRAP GND	43
RESERVED FOR STRAP DATA OUT P	103
RESERVED FOR STRAP WRITE N	89



NO.	REV	DESCRIPTION	DATE	APPROVED
7510708	10	REVISIONS		
E		ADD THIS SH.	24AUG90	T. ELIENGA
B4.6		UOTO SCHEM: REF DES JI WAS P1/J1. ADD	15AUG91	T. ELIENGA
F		UOTO SCHEM: REF DES JI WAS P1/J1. ADD	42900(1M)	J. THORPEL
H		UOTO SCHEM: UOTO REF'S. WAS SH 5.	15AUG92	BARLOW
K		UOTO SCHEM: REF DES JI: PIN 29, 15, 81 AND 85 REF WAS: EXT XPDR ROB RX (P), EXT XPDR ROB TX (N), EXT XPDR ROB TX (P) AND EXT XPDR ROB TX (N) RESP.	01JUL93	J. THORPEL
M		UOTO SCHEM: REF P/O PILOT ... 851H WAS P/O ... 851C.	25OCT94	R. PULLISON
B4		UOTO SCHEM: JI-23, JI-32, JI-47, JI-63, JI-64, JI-69, JI-73, JI-77, JI-78 AND JI-79: FUNCTION WAS SPARE. WAS SH 9.	02FEB96	T. ELIENGA
P		UOTO SCHEM: SIGNAL NAMES EXTENSIVELY REVISED.	02FEB96	DAVIS

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SEE FIRST SHEET FOR CONTRACT NUMBER AND DISPOSITION INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT
DRAWING NO. 7510708
REV P

7510708 (REV 3-87)
 7510708 (ANSI Y14.1-1980) HONEYWELL INC.



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SIZE CODE: D 55939
 DRAWING NO: 7510708
 SHEET 11

COMPUTER GENERATED

ZONE	REV	DESCRIPTION	DATE	APPROVED
H	ADD THIS SHEET.	56977(1)	13M891	T. EUROPA
J	UNIT SCHEM: REF DES J1: PIN NO: 71 UNIT REF.	68911(1)	6JAN82	J. THORPE
K	SEE SH 1. SCHEM: REF P/O COMMUNICATION --- 851G WAS P/O --- 851E. ADD NOTE 26 (3X) AND 27 (2X) REF.	62682(1A)	01JUN83	J. THORPE
N	UNIT SCHEM: REF P/O --- 861G WAS P/O --- 851G. WAS SH 10.	92352(1)	02FEB85	T. EUROPA
P	UNIT SCHEM: UNIT SIGNAL NAMES. REF P/O COMMUNICATION --- 833E/833F/833G WAS P/O --- 851E/851F/861G.	95447(1)	02FEB85	T. EUROPA

P/O PILOT COMMUNICATION UNIT
RCZ-851E/851F/851G (FOR COM FUNCTIONS SEE SH 3)

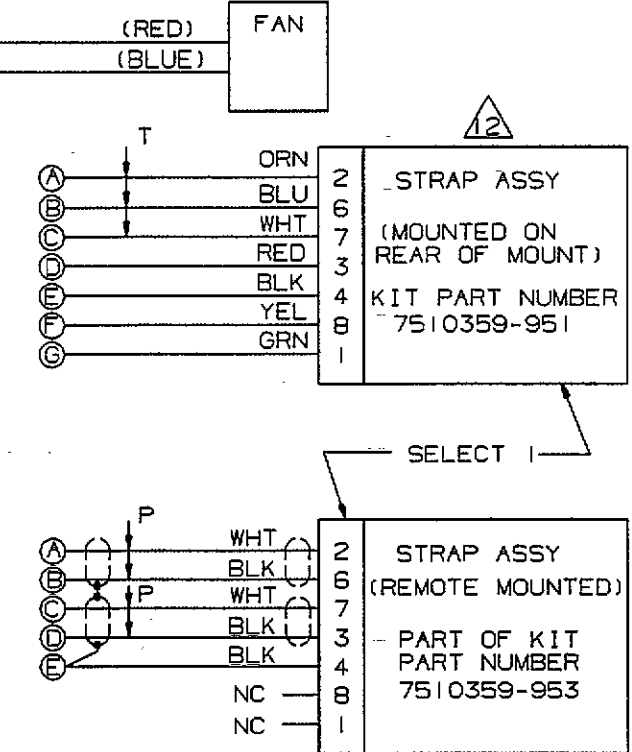
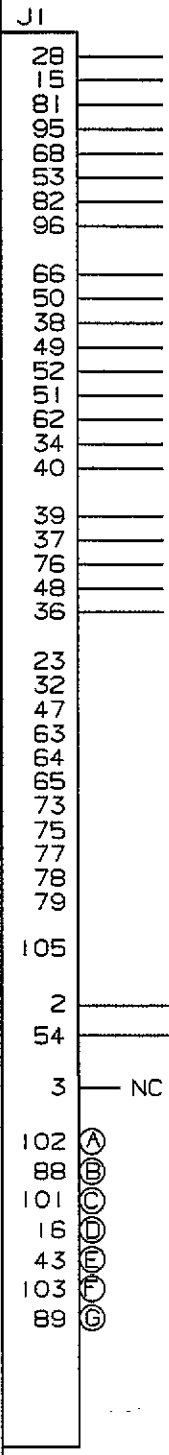
- RCB 1 RX P 28
- RCB 1 RX N 15
- RCB 1 TX P 81
- RCB 1 TX N 95
- RCB 2 RX P 68
- RCB 2 RX N 53
- RCB 2 TX P 82
- RCB 2 TX N 96

- AUX AUD 1 HI 66
- AUX AUD 1 LO 50
- AUX AUD 2 HI (USE FOR NAV 3) 38
- AUX AUD 2 LO (USE FOR NAV 3) 49
- AUX AUD 3 HI 52
- AUX AUD 3 LO 51
- AUX AUD 4 HI 62
- AUX AUD 4 LO 34
- GND (AUDIO SHIELDS) 40

- HF COM DISABLE NO 39
- HF COM XMIT NO 37
- AUDIO STATUS 1 NO 76
- AUDIO STATUS 2 NO 48
- AUDIO STATUS 3 NO 36

- RESERVED FOR COM 422A 23
- RESERVED FOR COM 422B 32
- RESERVED FOR XPDR 422A 47
- RESERVED FOR XPDR 422B 63
- RESERVED FOR XPDR RSV 5 64
- RESERVED FOR CLUSTER 429A 65
- RESERVED FOR CLUSTER 429B 73
- RESERVED FOR TCAS 429A 75
- RESERVED FOR COM EMERGENCY NO 77
- SPARE DO NOT USE 78
- RESERVED FOR TCAS 429B 79

- RESERVED FOR SQUITTER ENABLE RTN 105
- +28V FAN PWR 2
- +28V FAN RTN 54
- RESERVED FOR FLASH PGRM NO 3
- COM STRAP LOAD N 102
- COM STRAP CLK N 88
- COM STRAP DATA P 101
- COM STRAP +5V 16
- COM STRAP GND 43
- RESERVED FOR STRAP DATA OUT P 103
- RESERVED FOR STRAP WRITE N 89



ZONE	REV	DESCRIPTION	DATE	APPROVED
H		ADD THIS SH.	05/04/93	J. THORP, RJ
K		SCHEM P/O PILOT COMMUNICATION --- 851G WAS P/O PILOT --- RCZ-851E. (220921N1)	01/04/93	J. THORP, RJ BAYLOR, K
N		UDTD SCHEM: J1-23, J1-35, J1-47, J1-63, J1-64, J1-65, J1-73, J1-76, J1-78 AND J1-79: FUNCTION WAS SPARE. WAS SH 11. 92352 (U)	02/28/93	J. GARDNER S. JAMES, DAVIS CB
P		UDTD SCHEM: UDTD SIGNAL NAMES: J1-39, 48, 77, 78, 89, 106 AND 105. SIGNAL NAMES EXTENSIVELY REVISED. J1-31 ADD NAME: J1-2 AND J1-54. +28V WAS CDR 95447 (U)	05/04/93	J. GARDNER S. JAMES, DAVIS CB

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SIZE/CAGE CODE: **D55939** DRAWING NO.: **7510708**

COMPUTER GENERATED SHEET 12

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	L	ADD THIS SH. 82697 (NA)	19OCT93	J. TROKEL JURGENS FM
	N	WAS SH 12. 92352 (M)	02FEB96	T. EUROPA 26JAN96 DAVIS CB
	P	UDTD SCHEM: UDTD SIGNAL NAMES. 96447 (M)	21MAY97	T. EUROPA 21MAY97 HAYWOOD CB
	V	RMV THIS SHEET PER C.O. SEE SH 1. 20020063A (NA)		<i>OB</i> <i>J. BURKE</i> J. BURKE AM

THIS SHEET INTENTIONALLY LEFT BLANK

Honeywell	SEE FIRST SHEET FOR CONTRACT NUMBER. USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.	SIZE CAGE CODE D 55939	DRAWING NO. 7510708	REV V
		SCALE NONE	SHEET 13	

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	L	ADD THIS SH. 62697 (NA)	19OCT93	J. TROKEL JURGENS FM
	N	WAS SH 13. 92352 (M)	02FEB96	T. EUROPA 26JAN96 DAVIS CB
	P	UOTO SCHEM: UOTO SIGNAL NAMES. 96447 (M)	21MAY97	T. EUROPA 21MAY97 HAYWOOD CB
	V	RMV THIS SHEET PER C.O. 200200863A (NA)		<i>[Signature]</i> BURKE AM

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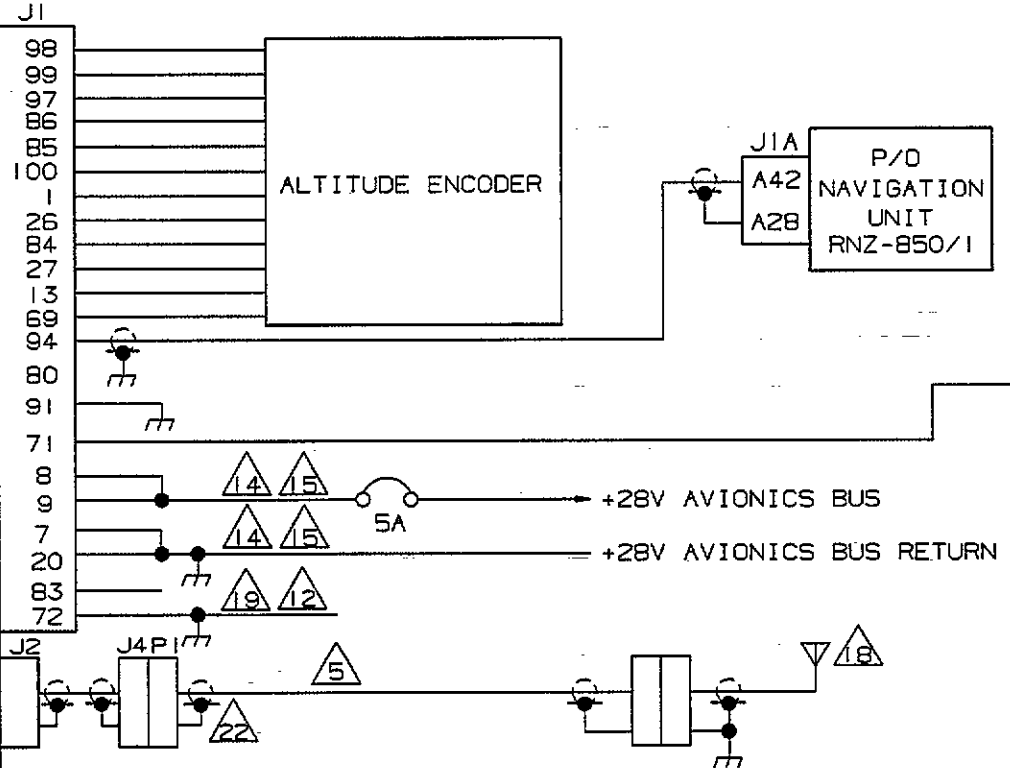
MAY 30 2002 rburke 14:07:51

Honeywell	SEE FIRST SHEET FOR CONTRACT NUMBER. USE OR DISCLOSURE OF INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.	SIZE/CAGE CODE D 55939	DRAWING NO. 7510708	REV V
	SCALE NONE		SHEET 14	

5231-028 (ANSI Y14.1-1989) HONEYWELL INC. 7 6 5 4 3 2 1

P/O PILOT COMMUNICATION UNIT RCZ-831 (FOR COM FUNCTIONS SEE SH 3)

ENC ALT A1 NO 98
 ENC ALT A2 NO 99
 ENC ALT A4 NO 97
 ENC ALT B1 NO 86
 ENC ALT B2 NO 85
 ENC ALT B4 NO 100
 ENC ALT C1 NO 1
 ENC ALT C2 NO 26
 ENC ALT C4 NO 84
 ENC ALT D2 NO 27
 ENC ALT D4 NO 13
 ENC ALT COMMON 69
 MUT SUP P 94
 MUT SUP RTN 80
 SQUITTER ENABLE NO 91
 XPDR OFF NO 71
 XPDR +28V PWR 8
 XPDR +28V RTN 9
 SQUAT SWITCH NO 7
 SQUAT SWITCH RET 20
 SQUAT SWITCH NO 83
 SQUAT SWITCH RET 72



FMS TO COM 429A 28
 FMS TO COM 429B 15
 RCB 1 TX P 81
 RCB 1 TX N 95
 RCB 2 RX P 68
 RCB 2 RX N 53
 RCB 2 TX P 82
 RCB 2 TX N 96

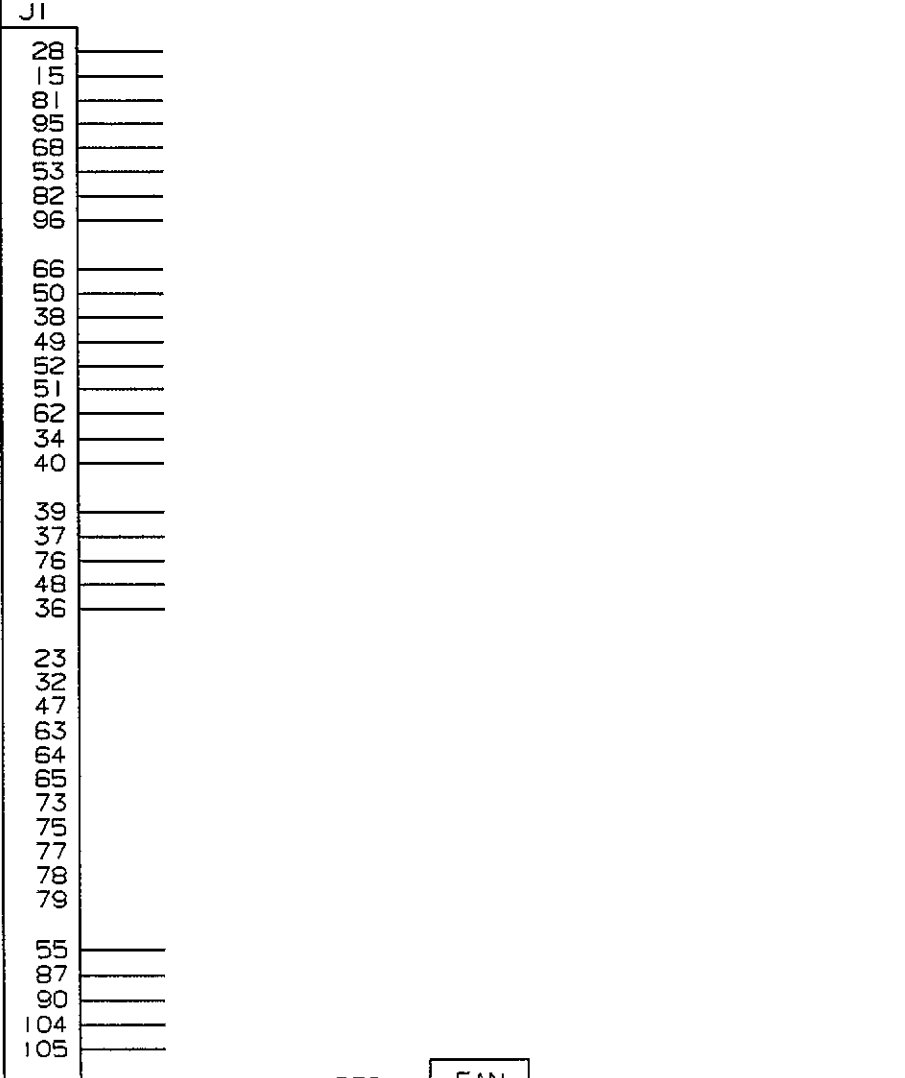
AUX AUD 1 HI 66
 AUX AUD 1 LO 50
 AUX AUD 2 HI (USE FOR NAV 3) 38
 AUX AUD 2 LO (USE FOR NAV 3) 49
 AUX AUD 3 HI 52
 AUX AUD 3 LO 51
 AUX AUD 4 HI 62
 AUX AUD 4 LO 34
 GND (AUDIO SHIELDS) 40

HF COM DISABLE NO 39
 HF COM XMIT NO 37
 AUDIO STATUS 1 NO 76
 AUDIO STATUS 2 NO 48
 AUDIO STATUS 3 NO 36

RESERVED FOR COM 422A 23
 RESERVED FOR COM 422B 32
 RESERVED FOR XPDR 422A 47
 RESERVED FOR XPDR 422B 63
 RESERVED FOR XPDR RSV 5 64
 RESERVED FOR CLUSTER 429A 65
 RESERVED FOR CLUSTER 429B 73
 RESERVED FOR TCAS 429A 75
 RESERVED FOR COM EMERGENCY NO 77
 SPARE DO NOT USE 78
 RESERVED FOR TCAS 429B 79

RESERVED FOR XPDR 4 55
 RESERVED FOR XPDR 3 87
 RESERVED FOR XPDR 2 90
 RESERVED FOR XPDR 1 104
 RESERVED FOR SQUITTER ENABLE RTN 105

+28V FAN PWR 2
 +28V FAN RTN 54
 FLASH PGRM NO 3



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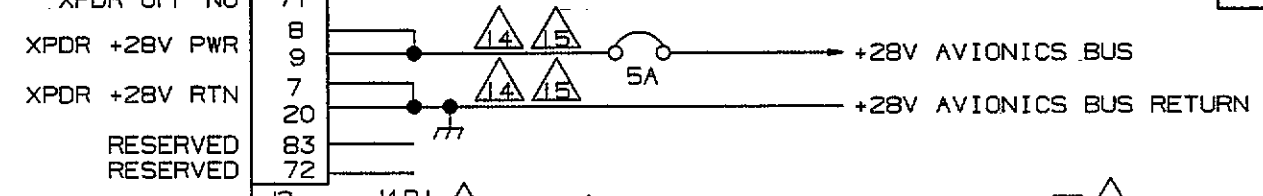
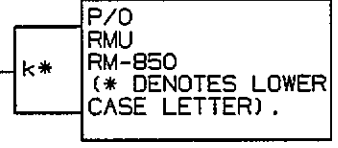
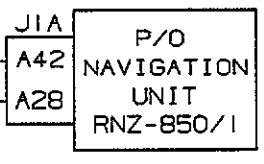
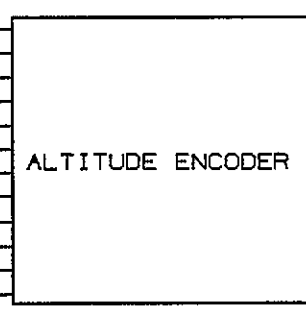
SIZE CODE D55939
 PRINTING NO 7510708
 SHEET 15

COMPUTER GENERATED

ZONE	REV	DESCRIPTION	DATE	APPROVED
N	1	ADD THIS SHEET	02/28/86	I. EUROPA R. JAMES DAVIS
P	1	UNIT SCHEM: P/O PILOT --- B31 WAS P/O 71 SIGNAL NAME 5 RESERVED VALUE 72 SIGNAL NAME 5 RESERVED VALUE 28V --- WAS COM +28V 954477(1)	02/28/86	I. EUROPA R. JAMES DAVIS

P/O PILOT COMMUNICATION UNIT RCZ-833D (FOR COM FUNCTIONS SEE SH 3)

- ENC ALT A1 NO 98
- ENC ALT A2 NO 99
- ENC ALT A4 NO 97
- ENC ALT B1 NO 86
- ENC ALT B2 NO 85
- ENC ALT B4 NO 100
- ENC ALT C1 NO 1
- ENC ALT C2 NO 26
- ENC ALT C4 NO 84
- ENC ALT D2 NO 27
- ENC ALT D4 NOP 13
- ENC ALT COMMON 69
- MUT SUP P 94
- MUT SUP RTN 80
- RESERVED 91
- XPDR OFF NO 71
- XPDR +28V PWR 8
- XPDR +28V RTN 9
- RESERVED 7
- RESERVED 20
- RESERVED 83
- RESERVED 72



- FMS TO COM 429A 28
- FMS TO COM 429B 15
- RCB 1 TX P 81
- RCB 1 TX N 95
- RCB 2 RX P 68
- RCB 2 RX N 53
- RCB 2 TX P 82
- RCB 2 TX N 96

- AUX AUD 1 HI 66
- AUX AUD 1 LO 50
- AUX AUD 2 HI (USE FOR NAV 3) 38
- AUX AUD 2 LO (USE FOR NAV 3) 49
- AUX AUD 3 HI 52
- AUX AUD 3 LO 51
- AUX AUD 4 HI 62
- AUX AUD 4 LO 34
- GND (AUDIO SHIELDS) 40

- HF COM DISABLE NO 39
- HF COM XMIT NO 37
- AUDIO STATUS 1 NO 76
- AUDIO STATUS 2 NO 48
- AUDIO STATUS 3 NO 36

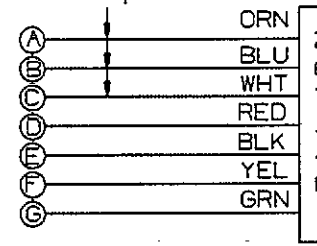
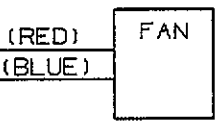
- RESERVED FOR COM 422A 23
- RESERVED FOR COM 422B 32
- RESERVED FOR XPDR 422A 47
- RESERVED FOR XPDR 422B 63
- RESERVED FOR XPDR RSV 5 64
- RESERVED FOR CLUSTER 429A 65
- RESERVED FOR CLUSTER 429B 73
- RESERVED FOR TCAS 429A 75
- RESERVED FOR COM EMERGENCY NO 77
- SPARE DO NOT USE 78
- RESERVED FOR TCAS 429B 79

- RESERVED FOR XPDR 4 55
- RESERVED FOR XPDR 3 87
- RESERVED FOR XPDR 2 90
- RESERVED FOR XPDR 1 104
- RESERVED FOR SQUITTER ENABLE RTN 105

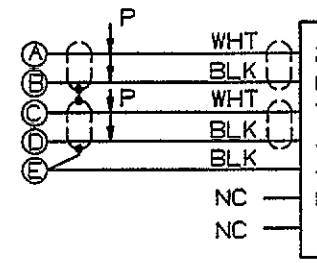
- +28V FAN PWR 2
- +28V FAN RTN 54

- FLASH PGRM NO 3

- COM STRAP LOAD N 102
- COM STRAP CLK N 88
- COM STRAP DATA P 101
- COM STRAP +5V 16
- COM STRAP GND 43
- RESERVED FOR STRAP DATA OUT 103
- RESERVED FOR STRAP WRITE N 89



STRAP ASSY (MOUNTED ON REAR OF MOUNT)
KIT PART NUMBER 7510359-951



STRAP ASSY (REMOTE MOUNTED)
PART OF KIT PART NUMBER 7510359-953

Honeywell

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ZONE	REV	DESCRIPTION	DATE	APPROVED
N		ADD THIS SHEET.	92392 (M)	
P		ODD SERIAL P/O PILOT --- 8330 W/S P/O ... 9610, SEE 87, 88, 90, 104, 105 AND 109; SIGNAL NAMES IDENTIFIED REVISED J1-3; ... W/S COM +28V ... J1-2 AND J1-54; ... W/S COM +28V ... 96477 (M)	9/17/97	 APPROVED T. GUNDA UNIT 08

P/O PILOT
COMMUNICATION
UNIT
RCZ-854E/854F/
854G

(FOR COM
FUNCTIONS
SEE SH 3)

VHF COM ARINC 429 RXB A ECH	28
VHF COM ARINC 429 RXB B ECH	15
VHF COM ARINC 429 TXA A	81
VHF COM ARINC 429 TXA B	95
VHF COM ARINC 429 RXC A	68
VHF COM ARINC 429 RXC B	53
VHF COM ARINC 429 RXA A	82
VHF COM ARINC 429 RXA B	96

AUX AUDIO 1 HI	66
AUX AUDIO 1 LO	50
AUX AUDIO 2 HI (USE FOR NAV 3)	38
AUX AUDIO 2 LO (USE FOR NAV 3)	49
AUX AUDIO 3 HI	52
AUX AUDIO 3 LO	51
VHF COM DATA AUDIO IN HI	62
VHF COM DATA AUDIO IN LO	34
GND (AUDIO SHIELDS)	40

HF COM DISABLE NO	39
HF COM XMIT NO	37
AUDIO STATUS 1 NO	76
VHF COM VOICE DATA SELECT IN	48
VHF COM VOICE DATA KEY IN	36

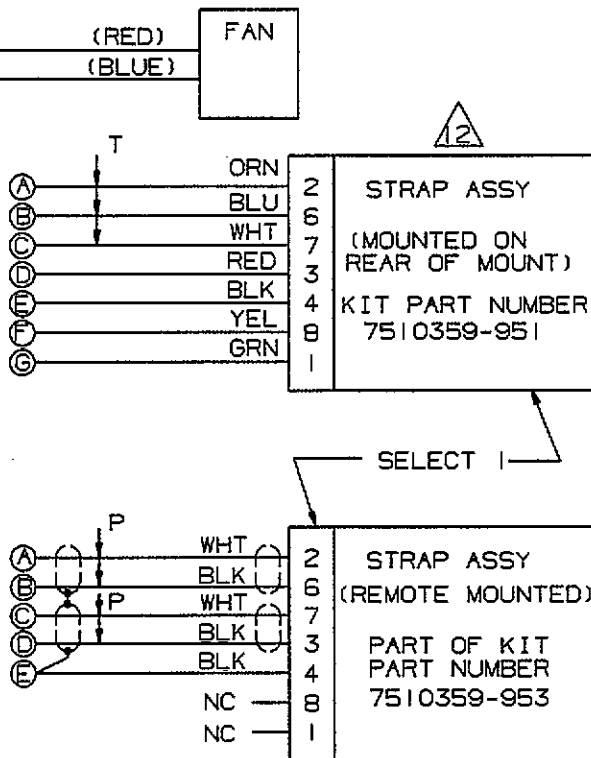
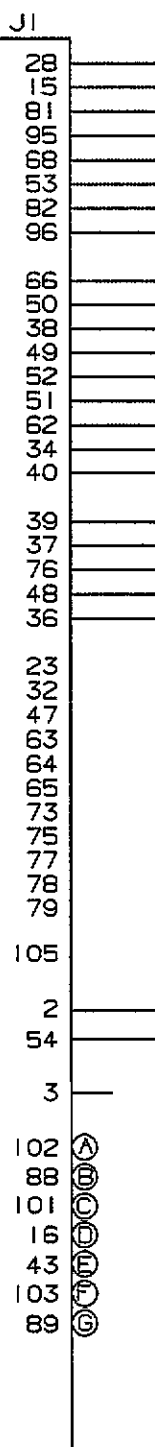
COM 422A	23
COM 422B	32
XPDR 422A	47
XPDR 422B	63
XPDR RSV	64
VHF COM CSDB RXA HI	65
VHF COM CSDB RXA LO	73
VHF COM CSDB RXB HI	75
COM EMERG NO	77
SPARE DO NOT USE	78
VHF COM CSDB RXB LO	79

FOR SQUITTER ENA RTN 105

+28V FAN PWR	2
+28V FAN RTN	54

FLASH PROGRAM NO 3

COM STRAP LOAD N	102	(A)
COM STRAP CLK N	88	(B)
COM STRAP DATA P	101	(C)
COM STRAP +5V	16	(D)
COM STRAP GND	43	(E)
RESERVED FOR STRAP DATA OUT P	103	(F)
RESERVED FOR STRAP WRITE N	89	(G)



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STAGE CODE D55939
PRINTING NO. 7510708
REV. R

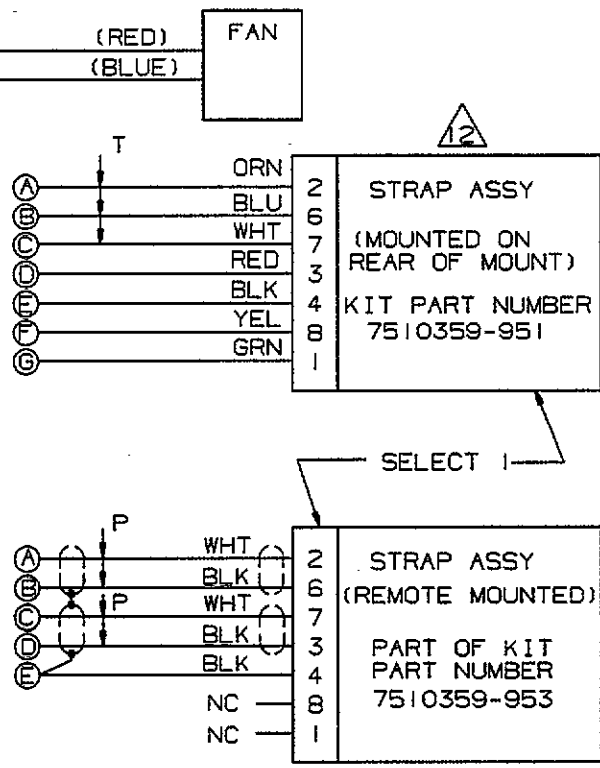
ZONE	REV	DESCRIPTION	DATE	APPROVED
N		ADD THIS SHEET	08/28/96	T. GIBSON
P		EDIT SCREEN: SIGNAL NAMES EXTENSIVELY REVISED.	21/MAY/97	T. GIBSON
R		WAS SHEET 18.	06/08/10	T. GIBSON

P/O PILOT COMMUNICATION UNIT
RCZ-833C/833H/854H WITHOUT ACARS

(FOR COM FUNCTIONS SEE SH 3)

JI	
RESERVED FOR DLP C D TO XPDR 429A	98
RESERVED FOR ADC1 TO XPDR 429 575A	99
RESERVED FOR XPDR TO DLP C D 429A	97
RESERVED FOR ADC1 TO XPDR 429 575B	86
RESERVED FOR DLP C D TO XPDR 429B	85
RESERVED FOR ADC2 TO XPDR 429 575A	100
RESERVED FOR DLP A B TO XPDR 429B	1
RESERVED FOR XPDR TO DLP A B 429B	26
RESERVED FOR XPDR TO DLP C D 429B	84
RESERVED FOR XPDR TO DLP A B 429A	27
RESERVED FOR DLP A B TO XPDR 429A	13
RESERVED FOR ADC2 TO XPDR 429 575B	69
RESERVED FOR MUT SUPPR P	94
RESERVED FOR ALT SRC SEL2 NO	80
RESERVED FOR XPDR ACTIVE NO	91
RESERVED FOR XPDR OFF NO	71
RESERVED FOR XPDR +28V PWR	8
RESERVED FOR XPDR +28V PWR	9
RESERVED FOR XPDR +28V RTN	7
RESERVED FOR XPDR +28V RTN	20
RESERVED FOR SQUAT SWITCH NO	83
RESERVED FOR SQUAT SWITCH RETURN	72

JI	
FMS TO COM 429A	28
FMS TO COM 429B	15
RCB 1 TX P	81
RCB 1 TX N	95
RCB 2 RX P	68
RCB 2 RX N	53
RCB 2 TX P	82
RCB 2 TX N	96
AUX AUD 1 HI	66
AUX AUD 1 LO	50
AUX AUD 2 HI (USE FOR NAV 3)	38
AUX AUD 2 LO (USE FOR NAV 3)	49
AUX AUD 3 HI	52
AUX AUD 3 LO	51
AUX AUD 4 HI	62
AUX AUD 4 LO	34
GND (AUDIO SHIELDS)	40
HF COM DISABLE NO	39
HF COM XMIT NO	37
AUDIO STATUS 1 NO	76
AUDIO STATUS 2 NO	48
AUDIO STATUS 3 NO	36
RESERVED FOR COM 422A	23
RESERVED FOR COM 422B	32
RESERVED FOR XPDR 422A	47
RESERVED FOR XPDR 422B	63
RESERVED FOR XPDR RSV 5	64
RESERVED FOR CLUSTER 429A	65
RESERVED FOR CLUSTER 429B	73
RESERVED FOR TCAS 429A	75
RESERVED FOR COM EMERGENCY NO	77
SPARE DO NOT USE	78
RESERVED FOR TCAS 429B	79
RESERVED FOR XPDR 4	55
RESERVED FOR XPDR 3	87
RESERVED FOR XPDR 2	90
RESERVED FOR XPDR 1	104
RESERVED FOR SQUITTER ENABLE RTN	105
+28V FAN PWR	2
+28V FAN RTN	54
FLASH PGRM NO	3
COM STRAP LOAD N	102 (A)
COM STRAP CLK N	88 (B)
COM STRAP DATA P	101 (C)
COM STRAP +5V	16 (D)
COM STRAP GND	43 (E)
RESERVED FOR STRAP DATA OUT	103 (F)
RESERVED FOR STRAP WRITE N	89 (G)



ZONE	REV	DESCRIPTION	DATE	APPROVED
N		ADD THIS SHEET	02/28/91	T. BURTON
P		UNIT SCREEN: SIGNAL NAMES EXTENSIVELY REVISED.	21/01/97	T. BURTON
R		WAS SHEET 10.	06/05/91	T. BURTON

Honeywell
 SEE FIRST SHEET FOR CONTACT INFORMATION ON THIS SHEET IS SUBJECT TO THE RESTRICTIONS ON THE FIRST SHEET OF THIS DOCUMENT.
 PARTIAL CODE: D155939
 DRAWING NO.: 7510708
 SHEET 18

P/O PILOT COMMUNICATION UNIT

RCZ-854E/854F/
854G WITHOUT ACARS

(FOR COM FUNCTIONS SEE SH 3)

FMS TO COM 429A
FMS TO COM 429B
RCB 1 TX P
RCB 1 TX N
RCB 2 RX P
RCB 2 RX N
RCB 2 TX P
RCB 2 TX N

AUX AUD 1 HI
AUX AUD 1 LO
AUX AUD 2 HI (USE FOR NAV 3)
AUX AUD 2 LO (USE FOR NAV 3)
AUX AUD 3 HI
AUX AUD 3 LO
AUX AUD 4 HI
AUX AUD 4 LO

GND (AUDIO SHIELDS)

HF COM DISABLE NO
HF COM XMIT NO
AUDIO STATUS 1 NO
AUDIO STATUS 2 NO
AUDIO STATUS 3 NO

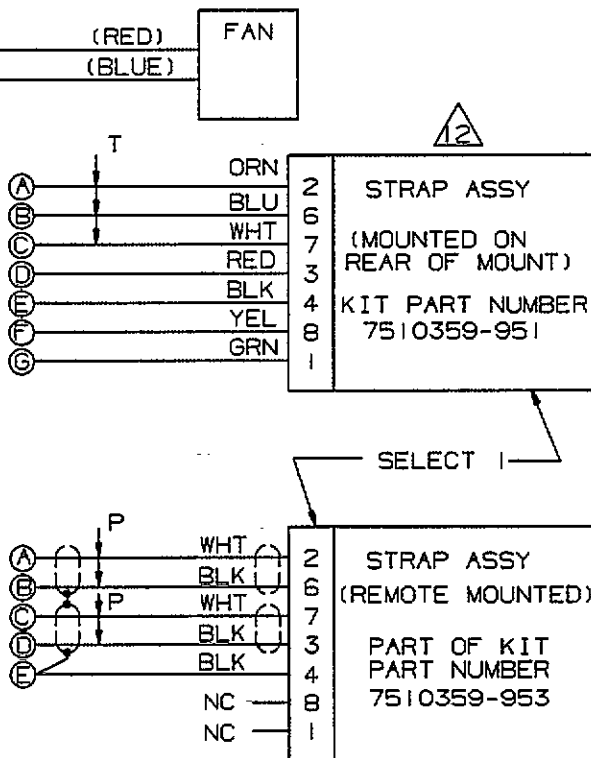
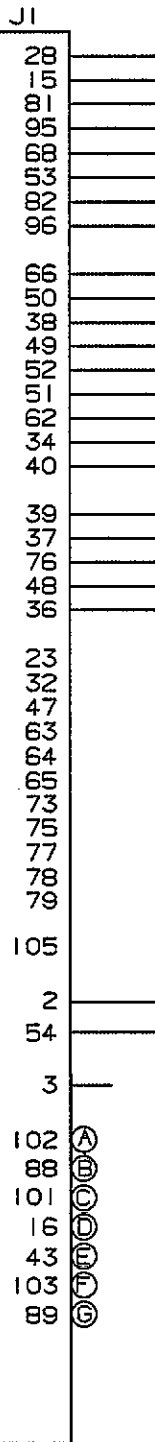
RESERVED FOR COM 422A
RESERVED FOR COM 422B
RESERVED FOR XPDR 422A
RESERVED FOR XPDR 422B
RESERVED FOR XPDR RSV 5
RESERVED FOR CLUSTER 429A
RESERVED FOR CLUSTER 429B
RESERVED FOR TCAS 429A
RESERVED FOR COM EMERGENCY NO
SPARE DO NOT USE
RESERVED FOR TCAS 429B

RESERVED FOR SQUITTER ENABEL RTN

+28V FAN PWR
+28V FAN RTN

FLASH PGRM NO

COM STRAP LOAD N
COM STRAP CLK N
COM STRAP DATA P
COM STRAP +5V
COM STRAP GND
RESERVED FOR STRAP DATA OUT
RESERVED FOR STRAP WRITE N



NO.	7510708	19	1
ZONE REV	DESCRIPTION	DATE	APPROVED
N	ADD THIS SHEET.	02/28/96	T. BURPA Z. JAMES DAVIS
P	UNIT SHEET FOR PILOT ACARS P/O NAME: J1-38, 48, 77, 79, 89, 103 AND 105; SIGNAL NAME EXTENSIVELY REVISED. J1-31, 54, 105 28V --- WAS COM 28V --- 99447(N)	21/11/97	T. BURPA Z. JAMES DAVIS
R	WAS SHEET 20.		

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SIZE CODE: D155939

DRAWING NO: 7510708

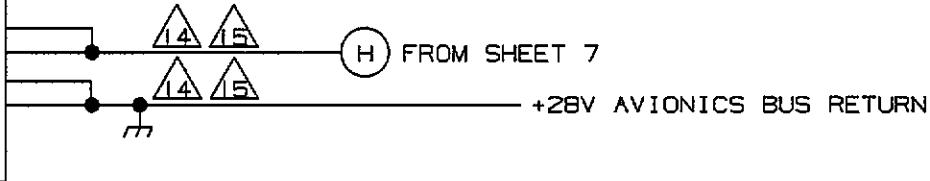
SHEET 19

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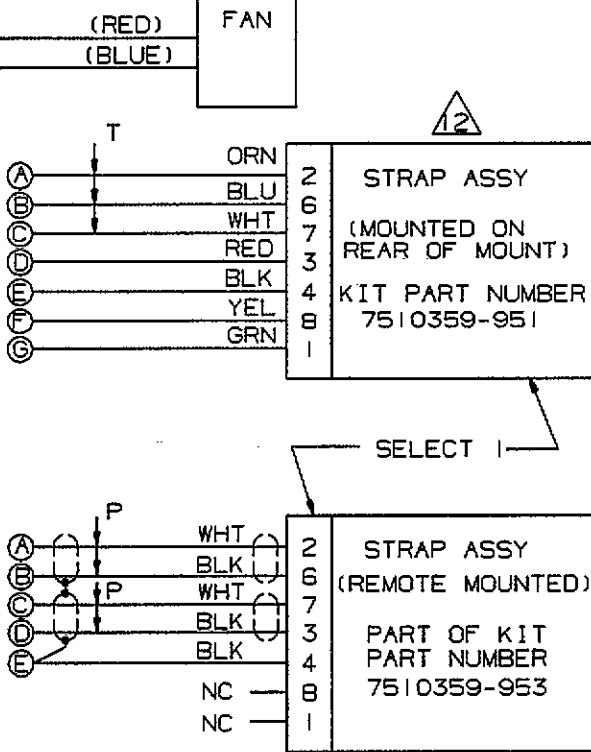
P/O PILOT COMMUNICATION UNIT
RCZ-833B WITHOUT ACARS

(FOR COM FUNCTIONS SEE SH 3)

JI	
ADC1 TO XPDR 429 575A	99
ADC1 TO XPDR 429 575B	86
ADC2 TO XPDR 429 575A	100
ADC2 TO XPDR 429 575B	69
DLP A B TO XPDR 429A	13
DLP A B TO XPDR 429B	1
DLP C D TO XPDR 429A	98
DLP C D TO XPDR 429B	85
XPDR TO DLP A B 429A	27
XPDR TO DLP A B 429B	26
XPDR TO DLP C D 429A	97
XPDR TO DLP C D 429B	84
MUT SUPPR P	94
ALT SRC SEL2 NO	80
XPDR ACTIVE NO	91
XPDR OFF NO	71
XPDR +28V PWR	8
XPDR +28V PWR	9
XPDR +28V RTN	7
XPDR +28V RTN	20
SQUAT SWITCH NO	83
SQUAT SW RETURN	72



JI	
RCB 1 RX P	28
RCB 1 RX N	15
RCB 1 TX P	81
RCB 1 TX N	95
RCB 2 RX P	68
RCB 2 RX N	53
RCB 2 TX P	82
RCB 2 TX N	96
AUX AUD 1 HI	66
AUX AUD 1 LO	50
AUX AUD 2 HI (USE FOR NAV 3)	38
AUX AUD 2 LO (USE FOR NAV 3)	49
AUX AUD 3 HI	52
AUX AUD 3 LO	51
AUX AUD 4 HI	62
AUX AUD 4 LO	34
GND (AUDIO SHIELDS)	40
HF COM DISABLE NO	39
HF COM XMIT NO	37
AUDIO STATUS 1 NO	76
AUDIO STATUS 2 NO	48
AUDIO STATUS 3 NO	36
COM 422A	23
COM 422B	32
XPDR 422A	47
XPDR 422B	63
XPDR RSV	64
CLUSTER 429A	65
CLUSTER 429B	73
TCAS 429A	75
COM EMERG NO	77
SPARE DO NOT USE	78
TCAS 429B	79
XPDR TO TCAS 429A	55
XPDR TO TCAS 429B	87
TCAS TO XPDR 429A	90
TCAS TO XPDR 429B	104
SQUITTER ENA RTN	105
+28V FAN PWR	2
+28V FAN RTN	54
FLASH PGRM NO	3
COM STRAP LOAD N	102
COM STRAP CLK N	88
COM STRAP DATA P	101
COM STRAP +5V	16
COM STRAP GND	43
RESERVED FOR STRAP DATA OUT P	103
RESERVED FOR STRAP WRITE N	89



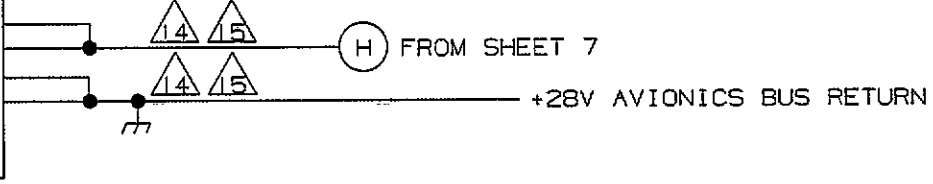
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INFORMATION ON THIS SHEET IS
SUBJECT TO THE RESTRICTIONS ON
THE FIRST SHEET OF THIS DOCUMENT
SCALE CODE
D155939
DRAWING NO.
7510708
REV
R

ZONE	REV	DESCRIPTION	DATE	APPROVED
P		ADD THIS SHEET	21MAY97	T. ELLIOTT
R		WAS SHEET 21.	21MAY97	LAVERGNE

P/O PILOT COMMUNICATION UNIT
RCZ-833B/854A WITH ACARS

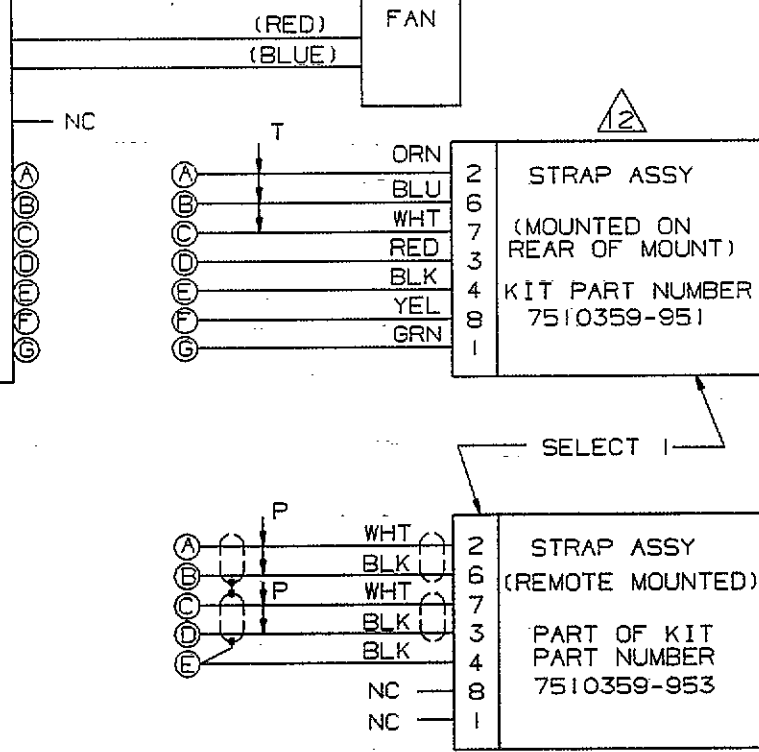
(FOR COM FUNCTIONS SEE SH 3)

J1	
ADC1 TO XPDR 429 575A	99
ADC1 TO XPDR 429 575B	86
ADC2 TO XPDR 429 575A	100
ADC2 TO XPDR 429 575B	69
DLP A B TO XPDR 429A	13
DLP A B TO XPDR 429B	1
DLP C D TO XPDR 429A	98
DLP C D TO XPDR 429B	85
XPDR TO DLP A B 429A	27
XPDR TO DLP A B 429B	26
XPDR TO DLP C D 429A	97
XPDR TO DLP C D 429B	84
MUT SUPPR P	94
ALT SRC SEL2 NO	80
XPDR ACTIVE NO	91
XPDR OFF NO	71
XPDR +28V PWR	8
XPDR +28V PWR	9
XPDR +28V RTN	7
XPDR +28V RTN	20
SQUAT SWITCH NO	83
SQUAT SW RETURN	72



J1	
VHF COM ARINC 429 RXB A ECH	28
VHF COM ARINC 429 RXB B ECH	15
VHF COM ARINC 429 TXA A	81
VHF COM ARINC 429 TXA B	95
VHF COM ARINC 429 RXC A	68
VHF COM ARINC 429 RXC B	53
VHF COM ARINC 429 RXA A	82
VHF COM ARINC 429 RXA B	96
AUX AUDIO 1 HI	66
AUX AUDIO 1 LO	50
AUX AUDIO 2 HI (USE FOR NAV 3)	38
AUDIO AUD 2 LO (USE FOR NAV 3)	49
AUX AUDIO 3 HI	52
AUX AUDIO 3 LO	51
VHF COM DATA AUDIO IN HI	62
VHF COM DATA AUDIO IN LO	34
GND (AUDIO SHIELDS)	40
HF COM DISABLE NO	39
HF COM XMIT NO	37
AUDIO STATUS 1 NO	76
VHF COM VOICE DATA SELECT IN	48
VHF COM VOICE DATA KEY IN	36
COM 422A	23
COM 422B	32
XPDR 422A	47
XPDR 422B	63
XPDR RSV	64
VHF COM CSDB RXA HI	65
VHF COM CSDB RXA LO	73
VHF COM CSDB RXB HI	75
COM EMERG NO	77
SPARE DO NOT USE	78
VHF COM CSDB RXB LO	79

XPDR TO TCAS 429A	55
XPDR TO TCAS 429B	87
TCAS TO XPDR 429A	90
TCAS TO XPDR 429B	104
FOR SQUITTER ENA RTN	105
+28V FAN PWR	2
+28V FAN RTN	54
FLASH PROGRAM NO	3
COM STRAP LOAD N	102
COM STRAP CLK N	88
COM STRAP DATA P	101
COM STRAP +5V	16
COM STRAP GND	43
RESERVED FOR STRAP DATA OUT P	103
RESERVED FOR STRAP WRITE N	89

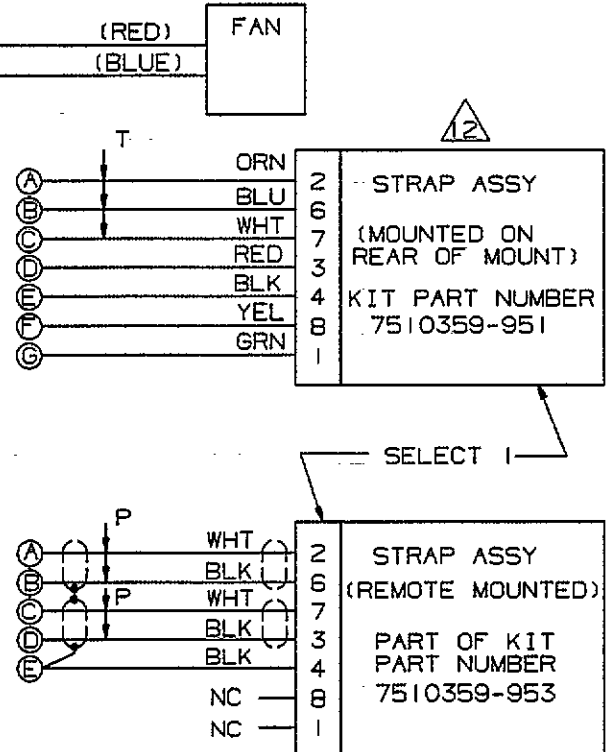


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 SIZE CODE 055939
 DRAWING NO. 7510708
 SHEET 21
 COMPUTER GENERATED

ZONE	REV	DESCRIPTION	DATE	APPROVED
P		ADD THIS SHEET.	21 MAR 97	T. BROWN
R		WAS SHEET 22.	08 NOV 97	T. BROWN
U		ADD SHEET P/O PILOT COMMUNICATION UNIT: ADD RCZ-854A REF.	07 JAN 98	T. BROWN

P/O PILOT COMMUNICATION UNIT
 RCZ-B33E/B33F/B33G WITHOUT ACARS
 (FOR COM FUNCTIONS SEE SH 3)

RCB 1 RX P	28
RCB 1 RX N	15
RCB 1 TX P	81
RCB 1 TX N	95
RCB 2 RX P	68
RCB 2 RX N	53
RCB 2 TX P	82
RCB 2 TX N	96
AUX AUD 1 HI	66
AUX AUD 1 LO	50
AUX AUD 2 HI (USE FOR NAV 3)	38
AUX AUD 2 LO (USE FOR NAV 3)	49
AUX AUD 3 HI	52
AUX AUD 3 LO	51
AUX AUD 4 HI	62
AUX AUD 4 LO	34
GND (AUDIO SHIELDS)	40
HF COM DISABLE NO	39
HF COM XMIT NO	37
AUDIO STATUS 1 NO	76
AUDIO STATUS 2 NO	48
AUDIO STATUS 3 NO	36
COM 422A	23
COM 422B	32
XPDR 422A	47
XPDR 422B	63
XPDR RSV	64
CLUSTER 429A	65
CLUSTER 429B	73
TCAS 429A	75
COM EMERG NO	77
SPARE DO NOT USE	78
TCAS 429B	79
SQUITTER ENA RTN	105
+28V FAN PWR	2
+28V FAN RTN	54
FLASH PGRM NO	3
COM STRAP LOAD N	102
COM STRAP CLK N	88
COM STRAP DATA P	101
COM STRAP +5V	16
COM STRAP GND	43
RESERVED FOR STRAP DATA OUT P	103
RESERVED FOR STRAP WRITE N	89

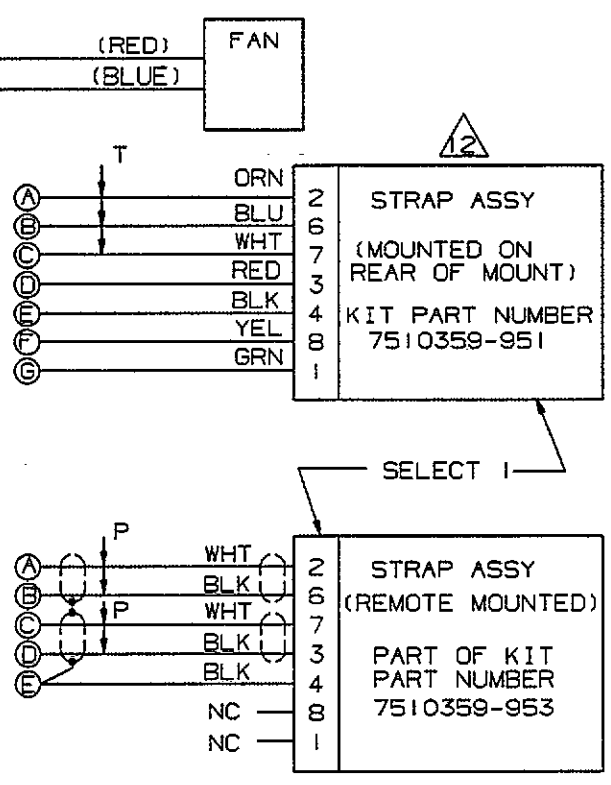


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 DRAWING NO. 7510708
 SHEET 22
 COMPUTER GENERATED

NO.	7510708	REV.	22	
ZONE	REV	DESCRIPTION	DATE	APPROVED
	P	ADD THIS SHEET.	21MAR97	T. BURR/21MAR97
	R	WAS SHEET 23.	21MAR97	21MAR97

P/O PILOT COMMUNICATION UNIT
RCZ-833E/B33F/B33G WITH ACARS
(FOR COM FUNCTIONS SEE SH 3)

VHF COM ARINC 429 RXB A ECH	28
VHF COM ARINC 429 RXB B ECH	15
VHF COM ARINC 429 TXA A	81
VHF COM ARINC 429 TXA B	95
VHF COM ARINC 429 RXC A	68
VHF COM ARINC 429 RXC B	53
VHF COM ARINC 429 RXA A	82
VHF COM ARINC 429 RXA B	96
AUX AUDIO 1 HI	66
AUX AUDIO 1 LO	50
AUX AUDIO 2 HI (USE FOR NAV 3)	38
AUX AUDIO 2 LO (USE FOR NAV 3)	49
AUX AUDIO 3 HI	52
AUX AUDIO 3 LO	51
VHF COM DATA AUDIO IN HI	62
VHF COM DATA AUDIO IN LO	34
GND (AUDIO SHIELDS)	40
HF COM DISABLE NO	39
HF COM XMIT NO	37
AUDIO STATUS 1 NO	76
VHF COM VOICE DATA SELECT IN	48
VHF COM VOICE DATA KEY IN	36
COM 422A	23
COM 422B	32
XPDR 422A	47
XPDR 422B	63
XPDR RSV	64
VHF COM CSDB RXA HI	65
VHF COM CSDB RXA LO	73
VHF COM CSDB RXB HI	75
COM EMERG NO	77
SPARE DO NOT USE	78
VHF COM CSDB RXB LO	79
FOR SQUITTER ENA RTN	105
+28V FAN PWR	2
+28V FAN RTN	54
FLASH PROGRAM NO	3
COM STRAP LOAD N	102 (A)
COM STRAP CLK N	88 (B)
COM STRAP DATA P	101 (C)
COM STRAP +5V	16 (D)
COM STRAP GND	43 (E)
RESERVED FOR STRAP DATA OUT P	103 (F)
RESERVED FOR STRAP WRITE N	89 (G)



Honeywell
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DRAWING NO. 7510708
SHEET 23

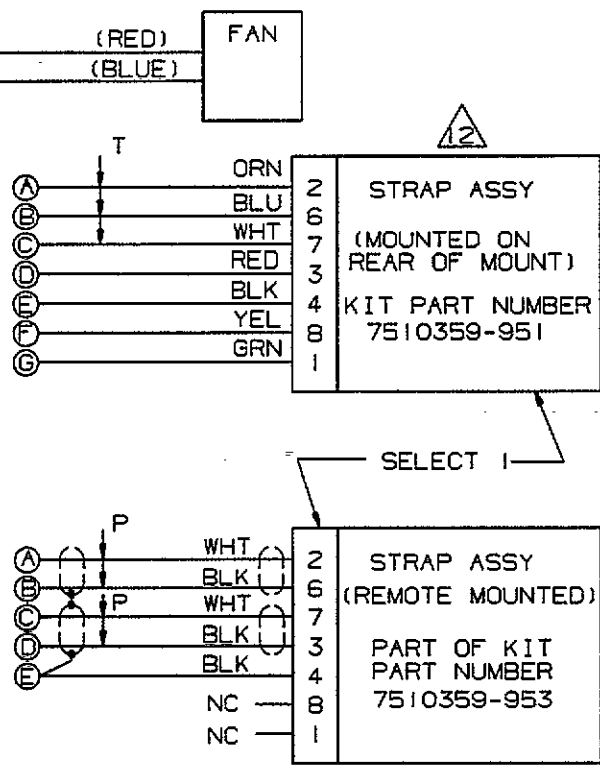
ZONE	REV	DESCRIPTION	DATE	APPROVED
P		SEE THIS SHEET.	21MAR97	T. BURDA
R		WAS SHEET 24.	21MAR97	HAYWOOD

P/O PILOT COMMUNICATION UNIT
RCZ-833H/854H WITH ACARS

(FOR COM FUNCTIONS SEE SH 3)

JI	
RESERVED FOR DLP C D TO XPDR 429A	98
RESERVED FOR ADC1 TO XPDR 429 575A	99
RESERVED FOR XPDR TO DLP C D 429A	97
RESERVED FOR ADC1 TO XPDR 429 575	86
RESERVED FOR DLP C D TO XPDR 429B	85
RESERVED FOR ADC2 TO XPDR 429 575A	100
RESERVED FOR DLP A B TO XPDR 429B	1
RESERVED FOR XPDR TO DLP A B 429B	26
RESERVED FOR XPDR TO DLP C D 429B	84
RESERVED FOR XPDR TO DLP A B 429A	27
RESERVED FOR DLP A B TO XPDR 429A	13
RESERVED FOR ADC2 TO XPDR 429 575	69
RESERVED FOR MUT SUPPR P	94
RESERVED FOR ALT SRC SEL2 NO	80
RESERVED FOR XPDR ACTIVE NO	91
RESERVED FOR XPDR OFF NO	71
RESERVED FOR XPDR +28V PWR	8
RESERVED FOR XPDR +28V PWR	9
RESERVED FOR XPDR +28V RTN	7
RESERVED FOR XPDR +28V RTN	20
RESERVED FOR SQUAT SWITCH NO	83
RESERVED FOR SQUAT SW RETURN	72

JI	
VHF COM ARINC 429 RXB A ECH	28
VHF COM ARINC 429 RXB B ECH	15
VHF COM ARINC 429 TXA A	81
VHF COM ARINC 429 TXA B	95
VHF COM ARINC 429 RXC A	68
VHF COM ARINC 429 RXC B	53
VHF COM ARINC 429 RXA A	82
VHF COM ARINC 429 RXA B	96
AUX AUDIO 1 HI	66
AUX AUDIO 1 LO	50
AUX AUDIO 2 HI (USE FOR NAV 3)	38
AUDIO AUD 2 LO (USE FOR NAV 3)	49
AUX AUDIO 3 HI	52
AUX AUDIO 3 LO	51
VHF COM DATA AUDIO IN HI	62
VHF COM DATA AUDIO IN LO	34
GND (AUDIO SHIELDS)	40
HF COM DISABLE NO	39
HF COM XMIT NO	37
AUDIO STATUS 1 NO	76
VHF COM VOICE DATA SELECT IN	48
VHF COM VOICE DATA KEY IN	36
COM 422A	23
COM 422B	32
XPDR 422A	47
XPDR 422B	63
XPDR RSV	64
VHF COM CSDB RXA HI	65
VHF COM CSDB RXA LO	73
VHF COM CSDB RXB HI	75
COM EMERG NO	77
SPARE DO NOT USE	78
VHF COM CSDB RXB LO	79
XPDR TO TCAS 429A	55
XPDR TO TCAS 429B	87
TCAS TO XPDR 429A	90
TCAS TO XPDR 429B	104
FOR SQUITTER ENA RTN	105
+28V FAN PWR	2
+28V FAN RTN	54
FLASH PROGRAM NO	3
COM STRAP LOAD N	102
COM STRAP CLK N	88
COM STRAP DATA P	101
COM STRAP +5V	16
COM STRAP GND	43
RESERVED FOR STRAP DATA OUT P	103
RESERVED FOR STRAP WRITE N	89

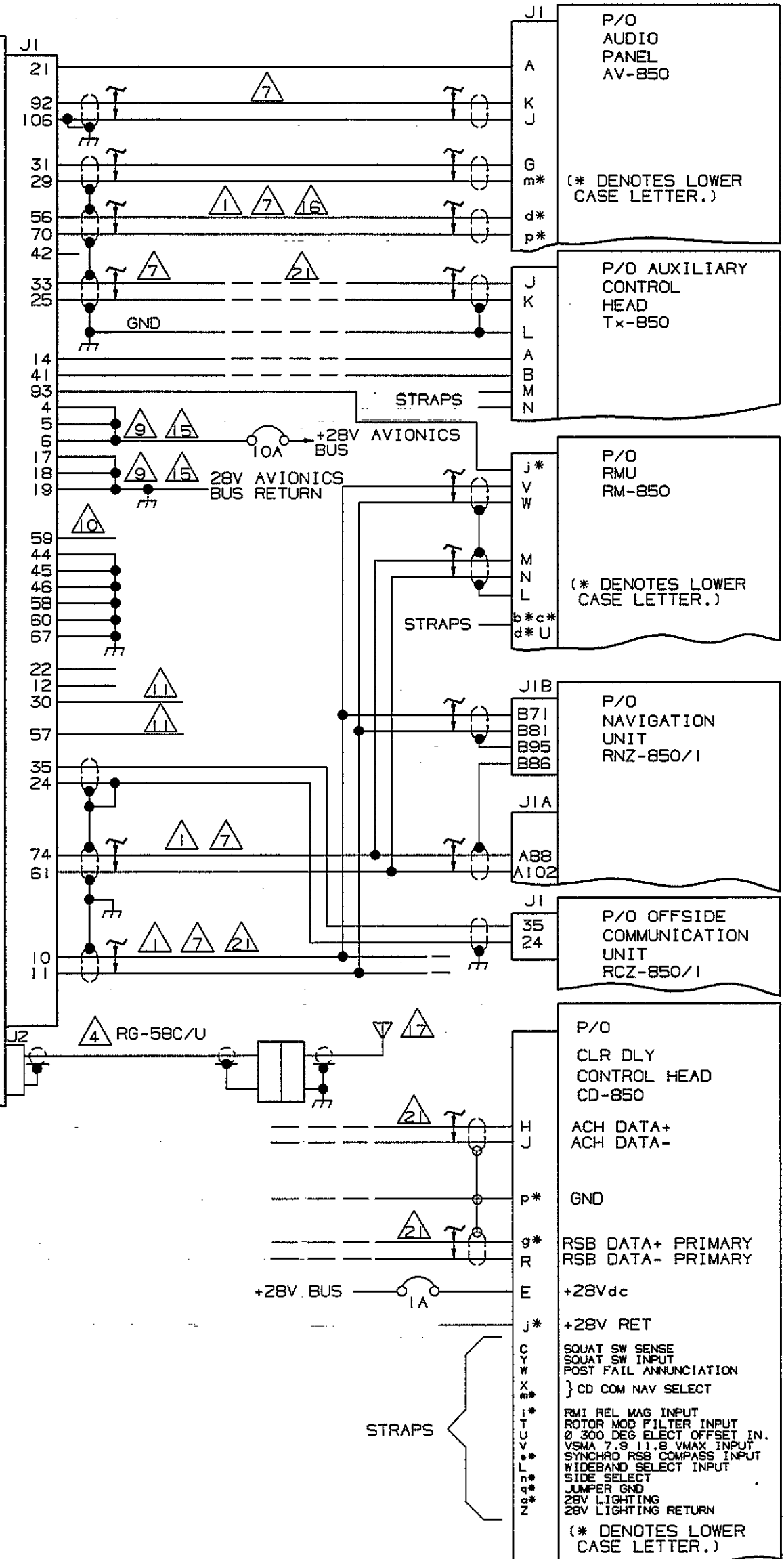


NO.	REV	DESCRIPTION	DATE	APPROVED
7510708	P	ADD THIS SHEET.	21MAR97	T. EMBRY
	R	WAS SHEET 25.	06AUG98	W. D. [Signature]

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 DRAWING NO. 7510708
 SHEET 24

8840A Sep 15, 1997 13:36 MS:

P/O COMMUNICATION UNIT RCZ-853/833
 (FOR TDR & OTHER FUNCTIONS, SEE FOLLOWING SHEET)
 VHF PTT NO
 VHF MIC HI
 VHF MIC LO
 PHONE AUDIO HI
 PHONE AUDIO LO
 AUDIO BUS P
 AUDIO BUS N
 GND AUDIO SHIELDS
 VHF COM RS422 ACH IN HI
 VHF COM RS422 ACH IN LO
 COM +28V ACH PWR
 COM +28V ACH RTN
 COM OFF NO
 COM +28V PWR
 COM +28V RTN
 COM RESERVED I
 SELCAL ACARS HI
 SELCAL ACARS LO
 RECEIVER PHONE AUDIO HI
 SIDETONE PHONE AUDIO HI
 SIMULCOM N
 SIMULCOM RTN
 RSB SEC P
 RSB SEC N
 RSB PRI P
 RSB PRI N



P/O CLR DLY CONTROL HEAD CD-850
 ACH DATA+
 ACH DATA-
 GND
 RSB DATA+ PRIMARY
 RSB DATA- PRIMARY
 +28Vdc
 +28V RET
 SQUAT SW SENSE
 SQUAT SW INPUT
 POST FAIL ANNUNCIATION
 } CD COM NAV SELECT
 RMI REL MAG INPUT
 ROTOR MOD FILTER INPUT
 0.300 DEG ELECT OFFSET IN.
 VSMA 7.9 11.8 VMAX INPUT
 SYNCHRO RSB COMPASS INPUT
 WIDEBAND SELECT INPUT
 SIDE SELECT
 JUMPER GND
 28V LIGHTING
 28V LIGHTING RETURN
 (* DENOTES LOWER CASE LETTER.)

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 SIZE CODE D155939
 DRAWING NO. 7510708
 SHEET 25

NO.	REV	DESCRIPTION	DATE	APPROVED
7510708	25	ADD THIS SHEET.	21 MAR 97	T. ELWOOD
	P	WAS SHEET 26.	21 MAR 97	T. ELWOOD
	R		21 MAR 97	T. ELWOOD

8840A Sep 15, 1997 13:36 MS:

P/O PILOT COMMUNICATION UNIT
RCZ-853/B33

(FOR COM FUNCTIONS SEE SH 3)

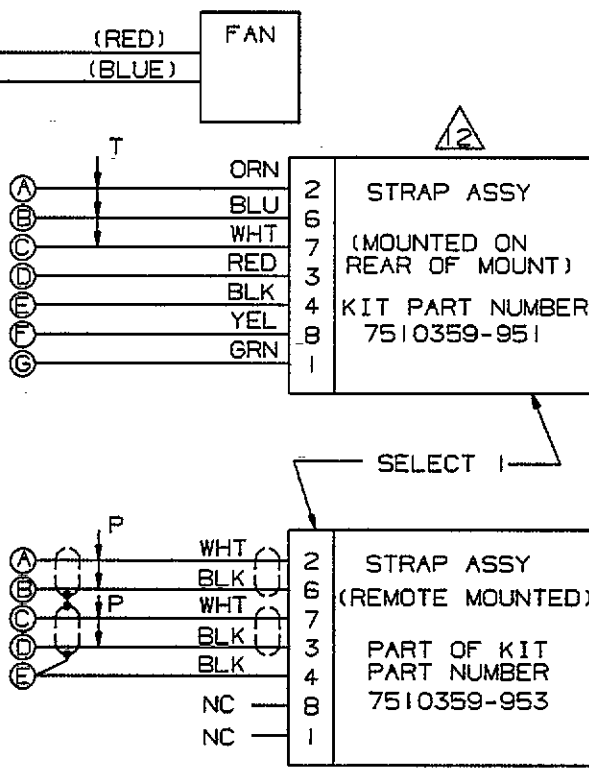
	J1
DATA DISABLE	98
AUDIO CDH BUS MONITOR ENA	99
VOICE DISABLE	97
CHAN ANTI BLOCKING ENA	86
RX AUDIO COMPRESSOR DIS	85
TX TIME OUT PERIOD SEL	100
VOICE DATA STATUS	1
VHF COM ARINC 429 BURST TUNE ENABLE	26
VHF COM ARINC 429 PORT B A SELECT 1	84
SYSTEM POSITION LS BIT	27
SYSTEM POSITION MS BIT	13
ARINC 716 DATA MODE ENA	69
FREQ TONE TRANSFER DIS	94
ARINC 429 COMPATIBLE ENA	80
EXTENDED FREQUENCY ENA	91
RESERVED FOR XPDR OFF NO	71
RESERVED FOR XPDR +28V PWR	8
RESERVED FOR XPDR +28V PWR	9
RESERVED FOR XPDR +28V RTN	7
RESERVED FOR XPDR +28V RTN	20
SQUAT SWITCH NO	83
SQUAT SW RETURN	72

	J1
VHF COM ARINC 429 RXB A ECH	28
VHF COM ARINC 429 RXB B ECH	15
VHF COM ARINC 429 TXA A	81
VHF COM ARINC 429 TXA B	95
VHF COM ARINC 429 RXC A	68
VHF COM ARINC 429 RXC B	53
VHF COM ARINC 429 RXA A	82
VHF COM ARINC 429 RXA B	96
AUX AUDIO 1 HI	66
AUX AUDIO 1 LO	50
AUX AUDIO 2 HI (USE FOR NAV 3)	38
AUX AUD 2 LO (USE FOR NAV 3)	49
AUX AUD 3 HI	52
AUX AUDIO 3 LO	51
VHF COM DATA AUDIO IN HI	62
VHF COM DATA AUDIO IN LO	34
GND (AUDIO SHIELDS)	40
HF COM DISABLE NO	39
HF COM XMIT NO	37
AUDIO STATUS 1 NO	76
VHF COM VOICE DATA SELECT IN	48
VHF COM VOICE DATA KEY IN	36
COM 422A	23
COM 422B	32
XPDR 422A	47
XPDR 422B	63
VHF COM SPARE 1	64
VHF COM CSDB RXA HI	65
VHF COM CSDB RXA LO	73
VHF COM CSDB RXB HI	75
COM EMERG NO	77
SPARE DO NOT USE	78
VHF COM CSDB RXB LO	79
VHF COM ARINC 429 TXB-A	55
VHF COM ARINC 429 TXB-B	87
VHF COM SPARE 3	90
VHF COM SPARE 2	104
SQUITTER ENA RTN	105

+28V FAN PWR 2
+28V FAN RTN 54

FLASH PROGRAM NO 3 - NC

COM STRAP LOAD N 102 (A)
COM STRAP CLK N 88 (B)
COM STRAP DATA P 101 (C)
COM STRAP +5V 16 (D)
COM STRAP GND 43 (E)
STRAP LOAD N 103 (F)
STRAP CLK N 89 (G)



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 DRAWING NO. 7510708
 SHEET 26

NO.	REV	DESCRIPTION	DATE	APPROVED
7510708	26	ADD THIS SHEET	21 MAR 97	T. BURRILL
	P	WAS SHEET 27.	21 MAR 97	HAYWOOD
	R		06 APR 98	