



REVISIONS			
LR	DESCRIPTION	DATE	APPROVED
REL	PER E.O. 7657	1-14-74	ELB
A	REV PER F.E.C.O. 199	1-30-74	JS
B	REV PER E.O. 7766	5-6-74	JS
C	REV PER F.E.C.O. 275	8-16-74	JS
D	REV PER F.E.C.O. 1370	7-7-77	JCP
F	REV PER F.E.C.O. 1440	9-7-77	JCP
F	REV PER F.E.C.O. 1457	9-16-77	JCP
G	REV PER F.E.C.O. 1627	1-74-78	SMP
H	REV PER F.E.C.O. 3588	12-14-82	RM-W
J	REV PER E.O. 16758	4-22-98	

NOTES:

- SOME INSTALLATIONS REQUIRE A TRIM MASTER SWITCH. REFER TO THE INSTALLATION BULLETIN FOR APPLICABILITY.
- THE FOLLOWING SEQUENCE MUST BE FOLLOWED TO DETERMINE OR CORRECT THE DIRECTION OF THE TRIM SERVO:
 - DETERMINE THAT THE PITCH SERVO IS ACTUATING IN THE PROPER DIRECTION (AUTOPILOT ON). IF NOT REVERSE DIRECTION OF PITCH SERVO BY REMOVING SERVO DUST COVER AND REVERSING THE BLACK AND RED SERVO MOTOR WIRES AT THE TERMINAL POST.
 - DETERMINE THAT THE TRIM SERVO TRIMS IN THE PROPER DIRECTION IN AUTOMATIC MODE (MUST FOLLOW PITCH SERVO). IF NOT REVERSE DIRECTION OF TRIM SERVO MOTOR BY REMOVING THE TRIM SERVO DUST COVER AND REVERSING THE RED AND BLACK SERVO MOTOR LEADS AT THE TERMINAL POST.
 - DETERMINE THAT TRIM SERVO TRIMS IN DIRECTION COMMANDED BY CONTROL WHEEL TRIM SWITCH (AUTOPILOT OFF). IF NOT REVERSE DIRECTION BY REVERSING CD 43 AND CD 44 AT THE TRIM SWITCH CABLE ASSEMBLY.
- INSTALL NOISE FILTER WHEN REQUIRED AS INDICATED IN THE PARTS LIST OF THE INSTALLATION BULLETIN.
- ALL WIRE TO BE MIL-W-5086A, 22 GA. MIN. UNLESS OTHERWISE NOTED.
- THIS 4 - PIN CONNECTION AND ASSOCIATED WIRING IS PART OF THE CENTURY IV AUTOPILOT/FLIGHT DIRECTOR CABLING AND IS SHOWN ON WIRING INTERCONNECT DRAWING NO. 63C314.
- THESE CONNECTIONS EXIST ONLY WHEN SWITCH & CABLE ASSEMBLY 30C416-5, 30C416-6 OR 30C416-11 IS USED. WHEN 30C416-1 OR 30C416-7 IS USED THESE CONNECTIONS WILL NOT BE PRESENT. WHEN USING 30C416-6 SWITCH & CABLE ASSEMBLY, THE 30B450 CABLE ASSEMBLY WILL NOT BE USED. REFER TO INSTALLATION BULLETIN.
- REFER TO YAW DAMPER INSTALLATION BULLETIN FOR CD 113 CONNECTION.
- INSTALLED ON BEECH AIRCRAFT C90'S S/N LJ-1053 AND AFTER (AK 456/FD). (ALCO SWITCH MPG-106F SWITCH MAY BE USED IF BLACK CAP IS REPLACED WITH A RED CAP.)

USED IN	USED ON	USED IN	USED ON
AK 687/FD	AK 579/FD	AK 477/FD	
AK 686/FD	AK 556/FD	AK 466/FD	
AK 685/FD	AK 525/FD	AK 456/FD	
AK 684/FD	AK 503/FD	AK 445/FD	
AK 674/FD	AK 500/FD	AK 443/FD	
AK 668/FD	AK 499/FD	AK 448/FD	
AK 728/FD	AK 562/FD	AK 486/FD	
AK 700/FD	AK 621/FD	AK 494/FD	
AK 688/FD	AK 585/FD	AK 492/FD	
		AK 438/FD	

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TOLERANCES UNLESS OTHERWISE SPECIFIED	CHECKED H. BARRETT 1-14-74		
DECIMALS: XXX +/- .005	ENGINEERED CAMERON 1-14-74	TITLE SCHEMATIC COMMAND/ AUTOMATIC TRIM SYSTEM (TYPE 15)	
FRACTIONS: 1/16	APPROVED J. IRWIN 1-14-74	SIZE D	DWG NO. 63D324
ANGLES +/- 0-30'	FILE NAME 63D324.DWG	SCALE 1:1	REV J
REMOVE DIMS AND DIMLINES SHARP EDGES DO NOT SCALE DRAWING			SHEET 1 OF 1