

**NOTES:**

1. THIS DRAWING FILED IN CCD.
2. DATABASE INFORMATION IS LOCATED ON DISC INCLUDED WITH PERFORMANCE DATABASE KIT. PROVIDE PARTS OF KIT AS LOOSE EQUIPMENT WITH THE AIRPLANE.
3. THIS DRAWING IS ONLY APPLICABLE FOR UNS-1ESP FMS SW LEVEL OF 802.2 AND HIGHER.
4. VALUES REPRESENTED BY \* VARY DEPENDING ON CONFIGURATION.

**PERFORMANCE DATABASE PROGRAMMING**

THE UNS-1 FLIGHT MANAGEMENT SYSTEM CONFIGURATION MODULE MUST BE CONFIGURED BEFORE THE PERFORMANCE DATABASE IS LOADED. THE PROCEDURE IS AS FOLLOWS:

1. POWER ON THE FMS, THIS WILL START THE INITIALIZATION TEST.
2. AFTER INITIALIZATION THE INIT 1/1 PAGE WILL APPEAR (REF FIGURE 1). PRESS THE DATE LINE SELECT KEY(LSK). TYPE 456789 AND PRESS ENTER. PRESS ACCEPT LSK.

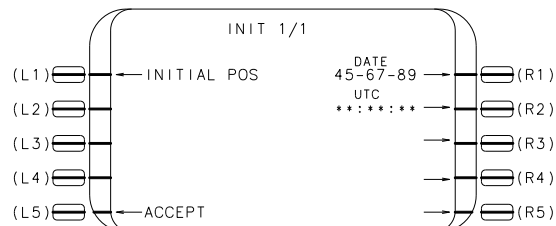


FIGURE 1

3. PRESS DATA KEY, THE DATA PAGE WILL APPEAR (REF FIGURE 2). PRESS THE MAINT LSK.

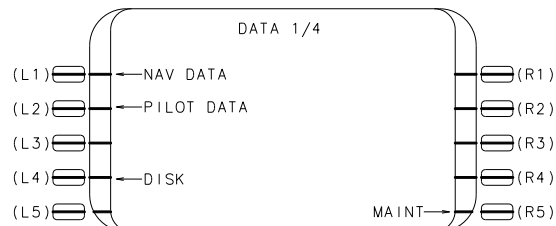


FIGURE 2

4. THE MAINT PAGE WILL APPEAR (REF FIGURE 3). PRESS CONFIG LSK.

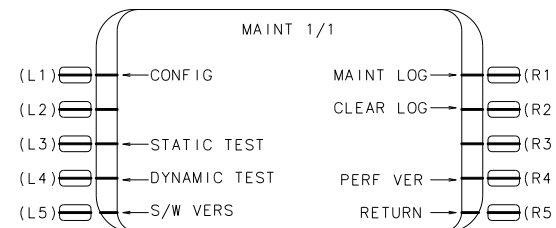


FIGURE 3

5. THE CONFIG PAGE WILL APPEAR (REF FIGURE 4). PRESS FMS CONFIG LSK.

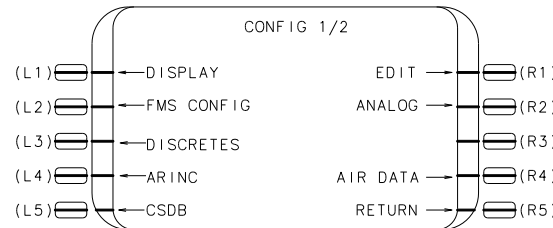


FIGURE 4

6. THE FMS CONFIG PAGE WILL APPEAR (REF FIGURE 5). PRESS PERF LSK.

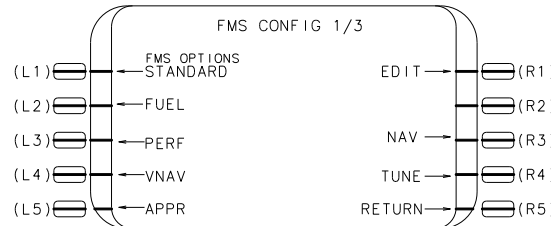


FIGURE 5

7. THE PERF OPT PAGE WILL APPEAR (REF FIGURE 6). PRESS EDIT LSK. LSK (R1) WILL CHANGE TO STORE.

8. PRESS ADVANCED LSK.

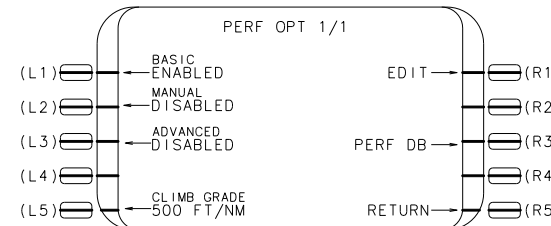


FIGURE 6

9. THE OPT LIST PAGE WILL APPEAR (REF FIGURE 7). PRESS 1 AND THEN PRESS ENTER.

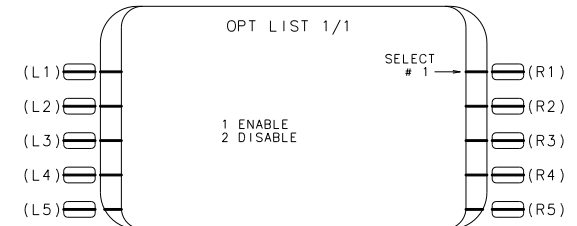


FIGURE 7

10. THE PERF OPT PAGE WILL APPEAR (REF FIGURE 6). PRESS PERF DB LSK.

11. THE PERF DB PAGE WILL APPEAR (REF FIGURE 8). PRESS PERFORMANCE DATABASE LSK. TYPE IN THE PERFORMANCE DATABASE ID XLS082004A12572 AND PRESS ENTER. PRESS STORE LSK TWICE TO UPDATE THE CONFIGURATION MODULE.

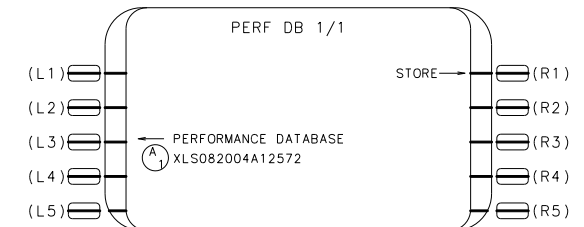


FIGURE 8

12. AFTER THE CONFIGURATION MODULE UPDATES, THE FMS WILL REBOOT AND THE INIT PAGE WILL APPEAR (REF FIGURE 1).

**NOTE:**

TO DISABLE THE PERFORMANCE DATABASE COMPLETE STEPS 1 THRU 8. ONCE STEP 9 IS REACHED PRESS 2 (DISABLE) AND THEN PRESS ENTER. THIS WILL REVERT FMS BACK TO THE PERF OPT PAGE. PRESS STORE TWICE THE FMS WILL REBOOT. THE PERFORMANCE DATABASE IS NOW DISABLED.

REVISIONS			
SHEET	REV	DESCRIPTION	DATE APPROVED
	A	BY REVISION:	8/11/04 AJG
1		1) DATABASE ID WAS EXCEL110402A12570.	
1,2		2) TITLE WAS "UNIVERSAL PERFORMANCE DATABASE UNS-1ESP SCN 802.2." EFF: EC49747	
2	B	BY REVISION:	11/30/04 AJG
2		1) AIRCRAFT TYPE WAS "CESSNA EXCEL".	
2		2) ENGINE TYPE WAS "PW545A".	
2		3) DB VERSION WAS "A12570".	
2		4) AFM ID WAS "56XFM-07".	
GEN		5) ADDED *(XLS) TO THE TITLE. EFF: EC54687	

DATE	1/20/2004	CESSNA AIRCRAFT COMPANY
DRAWN	K. BURTON	AIRCRAFT DIVISION
CHECK		P. O. BOX 7704
GROUP		WICHITA, KANSAS 67277
SECT		PERFORMANCE DATABASE
PROJ		PROGRAMMING
M.E.		(SCN 802.X) (XLS)
OTHER		
FABRICATE PER .CSANGDS	SIZE FSCM NO.	DWG NO.
PROCESS PER .XXXXXXX	71379	8623271
THE TERMINATION PER .SCE2216	SCALE:	PARENT 8623254 SHEET 1 OF 2

8623271

- PRESS MENU FUNCTION KEY TO DISPLAY DISK MENU PAGE. (REF FIGURE 9)
- PRESS DISK LOAD LSK.

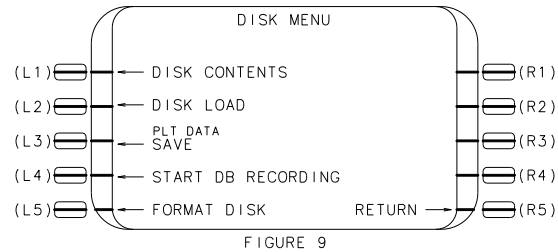


FIGURE 9

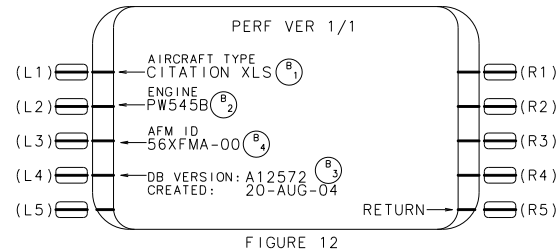


FIGURE 12

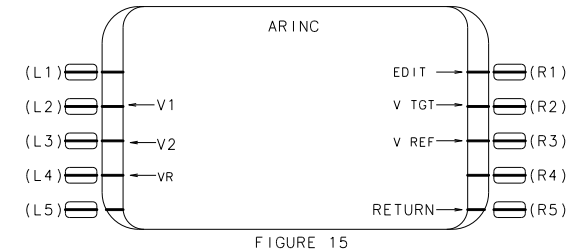


FIGURE 15

- THE DISK LOAD PAGE WILL APPEAR. FOLLOW THE DISK LOAD PAGE INSTRUCTIONS FOR INSERTING DISK, AND PRESS CONTINUE LSK.
- NOTE: VERIFY THAT THE DTU DISK SLOT IS CLEAR OF ANY PREVIOUS DISKS AND THAT THE SLOT PROTECTOR IS REMOVED.
- A DISK LOAD PAGE SIMILAR TO THE ONE IN FIGURE 10 WILL APPEAR.

- PRESS THE RETURN LSK. THE MAINT PAGE WILL APPEAR (REF FIG 3).
- PRESS THE CONFIG LSK. THE CONFIG PAGE WILL APPEAR (REF FIG 4).
- PRESS THE FMS CONFIG LSK. THE FMS CONFIG WILL APPEAR (REF FIG 5).
- PRESS THE NEXT FUNCTION KEY, THEN PRESS THE EFIS LSK THE EFIS OPTS PAGE WILL APPEAR (REF FIGURE 13).

- IF A CHANGE IS NECESSARY PRESS THE LSK WHICH CORRESPONDS TO THE COLOR TO BE CHANGED (REF FIG 16).
- THE OPTS LIST PAGE WILL APPEAR (REF FIGURE 17). SELECT THE REQUIRED COLOR BY ENTERING THE APPROPRIATE NUMBER INTO THE NUMERIC KEYPAD AND PRESS ENTER.
- ONCE ALL THE CHANGES HAVE BEEN COMPLETED PRESS STORE TWICE (REF FIG 16). THE FMS WILL UPDATE THE CONFIGURATION AND REBOOT. THE CHANGES HAVE NOW BEEN STORED.

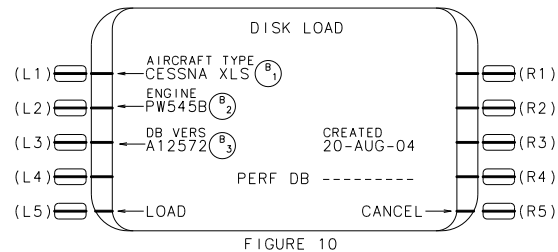


FIGURE 10

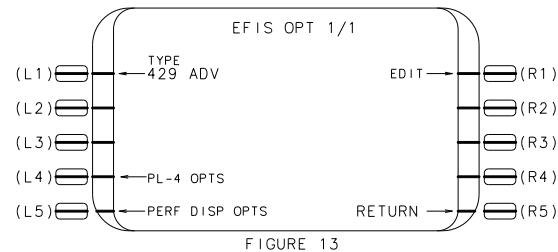


FIGURE 13

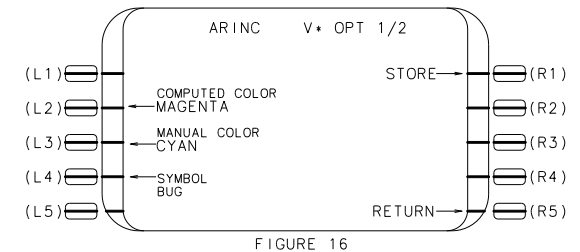


FIGURE 16

- VERIFY THAT THE A/C SPECIFIC DATA SHOWN ON THE DISK LOAD PAGE APPEARS AS SHOWN IN FIGURE 10.
- PRESS LOAD LSK (REF FIGURE 10). AFTER DISK HAS SUCCESSFULLY LOADED, PERF DB PASS WILL APPEAR ON THE DISK LOAD PAGE (REF FIGURE 11).

- PRESS THE PERF DISP OPTS LSK. THE PERF DISP OPTS PAGE WILL APPEAR (REF FIG 14).
- VERIFY THAT THE (L2) LSK DISPLAYS ARINC. IF NOT SELECT EDIT AND THE (L3) LSK. USING THE NUMERIC KEYPAD SELECT 2 AND PRESS ENTER. THE PERF DISP OPTS PAGE SHOULD NOW APPEAR AS SEEN FIG 14.

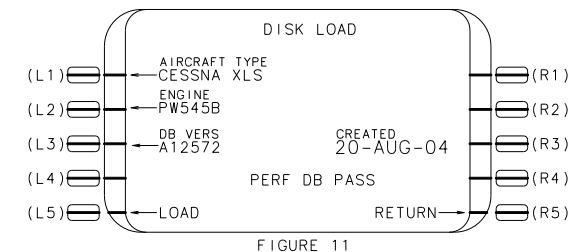


FIGURE 11

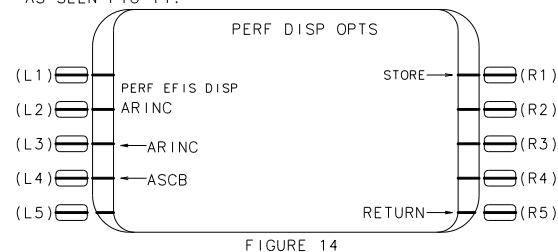


FIGURE 14

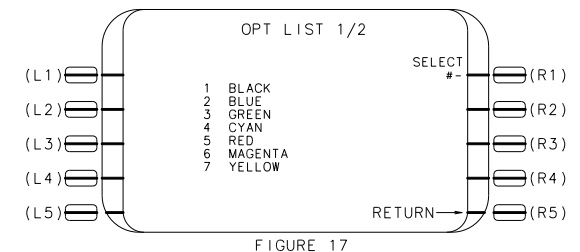


FIGURE 17

- REMOVE PERFORMANCE DATA DISK FROM THE DTU.
- PRESS RETURN LSK AND THEN PRESS DATA FUNCTION KEY.
- THE DATA PAGE WILL APPEAR (REF FIGURE 2). PRESS MAINT LSK.
- THE MAINT PAGE WILL APPEAR (REF FIGURE 3). PRESS PERF VER LSK.
- THE PERF VER PAGE WILL APPEAR (REF FIGURE 12). VERIFY THE DATA ON THE PERF PAGE IS CORRECT.

- PRESS THE ARINC LSK (L3). THE ARINC PAGE WILL APPEAR (REF FIG 15).
- VERIFY THAT THE COMPUTED COLOR IS MAGENTA, THE MANUAL COLOR IS CYAN, AND THE SYMBOL IS BUG FOR EACH V SPEED. TO DO THIS PRESS THE V SPEED LSK THAT IS TO BE VERIFIED, THEN PRESS RETURN ONCE VERIFICATION IS COMPLETED.