

UNITED AIRLINES-FUEL TANK SIM

747 — 400

DEFUELING PROCEDURE

1	OPEN FUELING VALVE ACCESS PANEL	
2	TURN ON MAIN POWER SWITCH A) ENSURE AMBER LOW PSI LIGHT ILLUMINATES	
3	TURN ON VALVE OPEN SWITCH A) ENSURE BLUE TRANSFER LIGHT ILLUMINATES AND AMBER LIGHT EXTINGUISHES. B) TRANSFER IS COMPLETE WHEN AMBER LIGHT ILLUMINATES	
4	TURN OFF VALVE OPEN AND MAIN POWER SWITCHES	

****ACCOMPLISH FUEL TANK ENTRY PROCEDURES****

REFUELING PROCEDURE

1	TURN ON MAIN POWER SWITCH A) ENSURE AMBER LOW PSI LIGHT ILLUMINATES	
2	TURN ON VALVE OPEN SWITCH A) ENSURE BLUE TRANSFER LIGHT ILLUMINATES AND AMBER LIGHT EXTINGUISHES. B) TRANSFER IS COMPLETE WHEN AMBER LIGHT ILLUMINATES	
3	TURN OFF VALVE OPEN AND MAIN POWER SWITCHES	
4	CLOSE FUELING VALVE ACCESS PANEL	

****RETURN TO FUEL TANK ENTRY PROCEDURES****

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FUEL TANK ENTRY PROCEDURES

1	ATTACH GROUND WIRE TO FUEL TANK S.I.M.	
2	AREA SECURE AND WARNING SIGNS POSTED	VERBAL
3	PARKING BRAKE SET AND VERIFY NGS SYSTEM OPERATING (GREEN LIGHT ON)	VERBAL
****	PROCEED TO DEFUELING PROCEDURES	****
4	DEACTIVATE NGS SYSTEM: A) TURN NGS SWITCH TO OFF B) PULL NGS CIRCUIT BREAKER C) ATTACH LOTO TAG	
5	TURN EXTERNAL POWER SWITCH OFF	
6	TURN BATTERY SWITCH OFF	
7	DISCONNECT BATTERY AND COMPLETE CONFINED SPACE ENTRY PERMIT	VERBAL
8	OPEN FUEL ACCESS PLATE: A) HOLD CLAMP RING AND REMOVE BOLTS B) REMOVE CLAMP RING AND PLATE FROM S.I.M.	
9	VERIFY METER READINGS .02 PPM,LEL - CONFIRM “SAFE FOR ENTRY”	VERBAL
10	EXAMINE TANK FOR UNWANTED OBJECTS - F.O.D. - REMOVE AS REQUIRED: A) INSPECT O-RING AND PANEL FOR DAMAGE B) CLEAN MATING SURFACE OF PANEL AND O-RING WITH TOWELETTE	
11	“OK” TO CLOSE TANK ACCESS PLATE	VERBAL
12	USING RETAINED HARDWARE, REINSTALL ACCESS PANEL AND RETAINING RING *NOTE: HOLES ARE NOT SYMETRICAL	
13	OBTAIN CALIBRATED TORQUE WRENCH: A) SET TORQUE TO 35-40 IN LBS VERIFICATION REQUIRED B) TORQUE FASTENERS IN SEQUENCE (REF. FIGURE 403)	
14	RECONNECT AIRCRAFT BATTERY	VERBAL
15	RECONNECT EXTERNAL POWER	VERBAL
16	TURN BATTERY SWITCH ON	
17	TURN EXTERNAL POWER SWITCH ON	
18	REACTIVATE NGS SYSTEM: A) REMOVE LOTO TAG B) RESET NGS CIRCUIT BREAKER C) TURN NGS SWITCH ON	
19	VERIFY NGS LIGHT IS ON AND GREEN	
****	PROCEED TO REFUELING PROCEDURES	****
20	REMOVE GROUND WIRE FROM S.I.M.	
21	ENSURE ALL TOOLING IS RETURNED TO SHADOW BOARD THEN TELL JUDGE THAT “WE ARE FINISHED.” *NOTE: TORQUE WRENCH SET TO ZERO (0)	