

CON/T STEP	PROCEDURE	PANEL	REMARKS
	4.3.2 POSTORBITAL IGNITION CHECK		
	4.3.2.1 Status Checklist		
CDR	ORIG MOT (4) - OFF	1	Start off gimbal motors sequentially to avoid power surge. Dealing No. 2 motors off first minimizes switching in zero logic.
SM	NO SIG VIB (2) - OFF	5	
CDR	AT TRUCT (2) - OFF (weedy)	1	Guarded.
	RSC PWR DIS (lock) - OFF		
	ELS AUTO - MAN		
	OR SIG LOGIC - OFF		
	cb ELS (2) - open	5	Lower lock.
	ORIG PWR SIG (2) - SAFE		Lower lock.
	ORIG LOGIC (main) - OFF		
	cb ORIG ARM (2) - open		
	AUTO RSC (14) - OFF		
	RSC PWR - OFF	7	
	TVR SERVO PWR (main) - OFF		
SM	PAS CDRS PWR - off (ctrl)	218	
	PCW EXT VALVE - LO	3	
	PC SIGC VLCD - NORM		Setting switch to NORM removes holding voltage from open side of PC reactant valves.
CDR	UP TWR IU - no req	2	
	OR RSC STPS (4) - HOLD		
	C/W NORM - NORM		

4.3.2.1

POSTORBITAL IGNITION CHECK

STEP/TITLE	PROCEDURE	PANEL	REMARKS
4.3.2.2	<u>Roll Attitude Reference Comparison Check</u> , 4.3.2.1		Check must be performed as near to orbit injection as possible to prevent additional drift in attitude reference systems.
4.3.2.3	<u>SWITCH Back Cover Jet Procedure</u>		
	WARNING		
	Roll optics are to be used, the OPT ZERO (pd 177), should be kept at ZERO to prevent inadvertent jettison of optics covers.		
CRP	1. OPT FAN - ON (up) OPT ZERO - OFF OPT MODE - MAN OPT COUPLING - DIR OPT ZERO - III	169 177	Optics zero switch to OPT enables function of OPT MODE and OPT SPEED switches.
	2. SEC - MAN right Observe ejection thru optics		Shaft angles for back cover jettison are OCT = 150° and SET = 40°. The optics shaft should be driven and maintained at full rate through these angles until covers are jettisoned.
4.3.2.4	<u>RCE Postinsertion Configuration</u>		
	See red leak check See SEC ACCUM QTY test GLE TO RAD SEC via - BSM For 30 sec, then RTF	2 377	Provides rapid postinsertion pressure integrity check of secondary radiator circuit - verification system has not opened during boost phase. This does NOT verify coolant loop leak rejection capability as defined in 4.3.4.2, step 7.

4.3.2.4

POTENTIAL INSERTION CHECK

SEA/T STEP	PROCEDURE	PANEL	REMARKS
CRP	DRINK HOT DRP +lv - ON (COV)	30A	
LMP	ECU RAD IN - gray	2	gray indicates No. 1 flow proportioning valve controlling flow.
	FOR 800 ATR - NMA		
	GLY F/WP IN TEMP - MPP		
	on WHITE DRIP STPC 101 - close	3	
CRP	REPRESS PRG vlv - FUEL for 10 sec.	30A	
	then OFF		
CRP	REPRESS O2 PRESS ind - +0% gain	400	
	<u>4.3.2.5 Systems Verification and Monitoring</u>		
	1 Mount OPERAL DRP	33	
	Perform OPERAL Initialization, 4.5.4.8		
	2 Perform OMS Oper Check, 4.5.5.1		
	3 Perform OM RCS Mon Check, 4.5.2.2		
	4 Perform OM RCS Mon Check, 4.5.2.3		
CRP			
LMP	5 Perform EPS Checks, 4.5.3.2 thru 4.5.3.4		
	6 Perform ECS Mon Check, 4.5.4.1		
LMP	7 Perform SES Mon Check, 4.5.2.1		
	8 on PC RESET (S) - open (verify)	100	
	on OAS/TURB LPS MB3 - close		Provides power for night OAS vis tunnel lights, and tracking spotlight door indicator.

4.3.2.5

POSTORBITAL INSPECTION CHECK

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ORIG/STEP	PROCEDURE	PANEL	REMARKS
LEP 3	<p>ON RCS PRESS CHECK 2 MSB - open</p> <p>60/40 gas purge complete at 3 hrs after LM isolation following transposition & docking. For 24 hrs after LM isolation following T & S, LM press will be monitored at 15-30 min intervals using main vent s/c in the LR/CH SP position. At 24 hrs after LM isolation, it will be determined if a 2 cabin purge is req & the length of this purge.</p>	5	
CM	<p>WASH DOWN s/c - CLOSE</p>	750	
LEP	<p>ON RCS PRESS CHECK 2 MSB - close</p> <p>60 FLOW 81 31 - off</p>	5 5	

4.3.2.6

POSTORBITAL INSPECTION CHECK

NOIRIAL BACKUP