

Vehicle Close Out Check List

Date 5/12/2010

1. Motherboard

- a. Board serial number #2
- b. Vehicle Name is "Tethys"
- c. Memory Card Installed? Yes
- d. LED Jumpers

Jumper	Comment	Status (1 = On)	Removed?
JP-26	24 vdc LC	1	TTH
JP-32	5 vdc	1	TTH
JP-33	3.3 vdc	1	TTH
JP-31	3.15 vdc	1	TTH
JP-36	12 vdc LC	1	TTH
JP-35	5 vdc LC	1	TTH
JP-34	3.3 vdc LC	1	TTH
JP-41	Shore Power	0	TTH
JP-43	1.8 vdc	1	TTH
JP-30	Vehicle Power	1	TTH
JP-42	Battery Power	1	TTH

e. Other Jumpers

Jumper	Comment	Status	Correct?
JP-1	VBAT to LPC	installed	
JP-2	/service	open	
JP-4	flash	open	
JP-8	UART 1	3&4 7&8	
JP-9		1&2, 5&6	
JP-10	UART 3	Open	
JP-11		3&4 7&8	
JP-12		3&4 7&8	
JP-13		3&4 7&8	
JP-14		3&4 7&8	
JP-15		1&2	
JP-16		3&4 7&8	
JP-17		1&2	
JP-18		1&2 5&6	
JP-19		1&2	
JP-20		3&4 7&8	
JP-21		1&2	
JP-22		1 & 2	
JP-23		1&2	
JP-27		open	
JP-37		3&4	
JP-40		open	

f. Connectors

Connector	Description	Correct?
J-3	!! empty !!	TTH
J-4	Batt comms	TTH
J-5	485 comms EZ servo	TTH
J-6	SP3004D	TTH
J-7	Iridium	TTH
J-8	Batt comms	TTH
J-9	H2O detect	TTH
J-10	H2O detect	TTH
J-11	Humidity and Temp	TTH
J-14	Sea water ground	TTH
J-20	Drop weight / burn wire	TTH
J-21	Iridium power	TTH
J-23	Ethernet	TTH
J-31	!! empty !!	TTH
J-32	DVL	TTH
J-33	Free Wave	TTH
J-34	Tether	TTH
J-35	Main Batt	TTH
J-36	Shore Power !! empty !!	TTH
J-37	Emerg Batt	TTH
J-38	Slot 1 LCB #0	TTH
J-39	Slot 2 LCB #0	TTH
J-40	Freewave power	TTH
J-46	LCB #2 SPI !! Res 13-15 !!	TTH
J-47	LCB #2 power	Open
J-48	LCB #1 power	TTH
J-49	LCB #0 power	TTH
J-50	LCB #1 SPI	TTH
J-51	LCB #0 SPI	TTH

2. EZ Servos

Name	Address	J-1	J-2	J-3	J-4	J-5	J-6	Checked?
Elevator	1	-	Y	-	-	Y	Y	TTH
Rudder	2	-	Y	-	-	Y	Y	TTH
Prop	3	-	Y	Y	Y	-	Y	TTH
VB	6	Y	Y	Y	Y	Y	Y	TTH
Mass Shifter	4	-	Y	-	Y	Y	Y	TTH

3. Load Control Boards

Slot	Ser #	Device served
0	1-0-0-Mike A/D	MSI 3000
3	2-232-0-Comm	DO
4	3-232-0-Comm	CTD
5	4-232-0-Comm	Puck
8	9-0-Batt-Pwr	Mass + Buoy
9	10-0-Bat-Pwr	CS Act + Thrtr

4. Variable Buoyancy Valve Board

Connector	Connected?
Shutoff Valve	TTH
Pressure Switch	TTH
VB EZSV23	TTH
Batt Pwr	TTH

- a. Pressure switch set at 100 psig

5. Shore Power DEMUX-MUX boards

a. DEMUX

- i. Two supply connections on positive board
- ii. One load connection on positive board
- iii. Two supply connections on negative board
- iv. One load connection on negative board
- v. Sense lines connected to positive and negative posts

b. MUX

- i. One positive connection
- ii. One negative connection
- iii. Six load connections to Ocean Servers

6. Battery Boards

- a. All connectors are verified installed and tight

7. Emergency Battery

- a. Voltage: 12.799
- b. New on 2010 / 03 / 15

8. Mass Shifter stops

- a. Aft at 9 5/8 inches
- b. Fwd at 37 5/8 inches

9. Iridium

- a. col
- b. tNe

10. Weights Installed Internally

- a. Forward
 - i. None
- b. Aft
 - i. None

11. Clean and inspect aft dome o-rings

12. Clean and inspect fwd dome o-rings

13. Clean and inspect bolt o-rings

14. Install 20 new desiccant bags

15. Install PV tube

- a. Verify water detect sensors touching inside surface of tube
- b. Verify all internal wires are clear
- c. Verify o-rings seat

16. Install Forward Dome

- a. Make Amphenol connection
- b. Torque bolts to 75 inch pounds

17. Draw vacuum

- a. _14.5_ inches Hg / ____ psi at __5/13/10 1500____

18. Batteries installed in external xpdrs

- a. Pinger RJE
 - i. Model ULB-350/37
 - ii. Serial DT16485
 - iii. Freq 37KHZ 1pps
 - iv. New Batteries on __5/13/2010_____
- b. Transponder - Benthos
 - i. Model UAT-376
 - ii. Serial 2202
 - iii. Rcv 26 KHZ
 - iv. Pressure tested to 1100 psi (730 meters)
 - v. New Batteries on __3/15/2010_____