

Vehicle Close Out Check List

1. Motherboard

- a. Board serial number #2 TTH
- b. Vehicle Name is “Tethys” TTH
- c. Memory Card Installed? Yes, 8GB TTH
- d. LED Jumpers

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

e. Connectors

Connector	Description	Plugged in (Y/N)
J-3	?	N √ TTH
J-4	Batt comms	Y √ TTH
J-5	485 comms EZ servo	Y √ TTH
J-6	SP3004D	Y √ TTH
J-7	Iridium	Y √ TTH
J-8	Batt comms	Y √ TTH
J-9	H2O detect	Y √ TTH
J-10	H2O detect	Y √ TTH
J-11	Humidity and Temp	Y √ TTH
J-12	Jumper	Y √ TTH
J-13	Jumper	Y √ TTH
J-14	Sea water ground	Y √ TTH
J-20	Drop weight / burn wire	Y √ TTH
J-21	Iridium power	Y √ TTH
J-23	Ethernet	Y √ TTH
J-31	?	N √ TTH
J-32	DVL	Y √ TTH
J-33	Free Wave	Y √ TTH
J-34	Tether	Y √ TTH
J-35	Main Batt	Y √ TTH
J-36	Aux	N √ TTH
J-37	Emerg Batt	Y √ TTH
J-38	Slot 1 LCB #0	Y √ TTH

J-39	Slot 2 LCB #0	Y √ TTH
J-40	Freewave power	Y √ TTH
J-46	LCB #2 SPI	Res 13-15 √ TTH
J-47	LCB #2 power	N √ TTH
J-48	LCB #1 power	N √ TTH
J-49	LCB #0 power	Y √ TTH
J-50	LCB #1 SPI (single wire?)	Y √ TTH
J-51	LCB #0 SPI	Y √ 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. Variable Buoyancy Valve Board

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

- a. Pressure switch set at 100 psig √ TTH

4. Shore Power DEMUX-MUX boards

- a. DEMUX √ TTH
 - 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 √ TTH
 - i. One positive connection
 - ii. One negative connection
 - iii. Six load connections to Ocean Servers

5. Battery Boards √ TTH

- a. All connectors are verified installed and tight

6. Emergency Battery √ TTH

- a. Installed (open circuit) 12.60 vdc
- b. New on 12/1/2009

7. Mass Shifter stops √ TTH

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

8. Iridium √ TTH

- a. col
- b. tNe

9. Internal transponder batteries NOT installed. ✓ TTH
10. Weights Installed ✓ TTH
 - a. Forward
 - i. None
 - b. Aft
 - i. None
11. Clean and inspect aft dome o-rings ✓ TTH
12. Clean and inspect fwd dome o-rings ✓ TTH
13. clean and inspect bolt o-rings ✓ TTH
14. Install 20 new desiccant bags ✓ TTH
15. Install PV tube ✓ TTH
 - 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 ✓ TTH
 - a. Make Amphenol connection
 - b. Torque bolts to 75 inch pounds
17. Draw vacuum
 - a. 7.5 inches Hg at 1200 01/21/2010