

Pro 4 - ROV BASIC FUNCTIONS QC

ROV Serial # _____

Technician	Date	Fail	Pass	Mng. Check
Serial number on the inside and outside of Main ROV Hull				
All main housing assemblies secure				
Vertical Thruster Function				
Vertical Thruster Function & Rotating Correct Direction				
Vertical Thruster Prop Clearance from Cartridge Seal < 1/16" (.062)				
Vertical Shaft & Prop - No wobble				
Horizontal Thruster Function				
Horizontal Thruster Function & Rotating Correct Direction				
Horizontal Thruster Tubes Secure				
Horizontal Thruster Motor Resistance				
Horizontal Thruster Tube and Cone Anodize Color				
Horizontal Thruster Assm. - No Surface Scratches				
Horizontal Prop Clearance from Cartridge Seal < 1/16" (.062)				
Horizontal Shaft & Prop - No wobble				
Lights Function				
Forward Light - All 3 LEDs Function				
Light LED Colors The Same				
Run Lights, Vertical, and Horizontal Thrusters on Full				
Forward Camera Function				
Forward Camera Focus In @ 2 inches				
Forward Camera Focus Out @ 10ft.				
Forward Camera Tilt UP IS UP & SMOOTH				
Forward Camera Tilt DOWN IS DOWN & SMOOTH				
Forward Camera Orientation OK				
Forward Camera Picture CLEAR				
Camera Menu Function and Defaults - ELC 6, DSS 1x, & WB Mode = PUSH				
Camera Assembly & Lens Clean				
No Camera Pixels & Vignetting OK				
Camera Ribbon Cable Secure				
Check Camera Format NTSC/PAL in vrCockpit user settings (circle one)				
Pressure & Temp Sensor Function				
Pressure Sensor Zero & Function				
Temp. Sensor Function				
Compass Function				
N _____ 0 (+ or - 15) NE _____ 045 (+ or - 15)				
E _____ 090 (+ or - 15) SE _____ 135 (+ or - 15)				
S _____ 180 (+ or - 15) SW _____ 225 (+ or - 15)				
W _____ 270 (+ or - 15) NW _____ 315 (+ or - 15)				
Accessory Function				
Check Manipulator Function				
Check External Camera Function				
Spare Pair (pins 4&6) Continuity between Term. Block and 9 Pin Bulkhead				
PCB & Engine Room				
Video Balun orientation checked, mark with "V" on power board cap				
Board ID component revisions: 33A = Pro4Power16C				
	Port/Starboard Max Limit .910			
	Trigger Voltage 38.0			
	Trigger Current 33.0			
	Limit Rate Thrust 0.500			

Mng. Check/ Date: _____