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| --- | --- | --- | --- | --- | --- | --- |
| Customer | : |  |  | Date of Inspection | : |  |
| Job Number | : |  |  | Pre/Post Rental | : | PRE / POST |
| Asset Number | : |  |  | Serial Number | : |  |

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|  | **TICK AS REQUIRED** |
| Record asset number of Processor Pod: |  |
| Record asset number of Altimeter: |  |
| Record asset number Starboard Vertical coil: |  |
| Record calibration coefficient of SV coil: |  |
| Record asset number Starboard Lateral coil: |  |
| Record calibration coefficient of SL coil: |  |
| Record asset number Starboard Fore/Aft coil: |  |
| Record calibration coefficient of SF coil: |  |
| Record asset number Port Vertical coil: |  |
| Record calibration coefficient of PV coil: |  |
| Record asset number Port Lateral coil: |  |
| Record calibration coefficient of PL coil: |  |
| Record asset number Port Fore/Aft coil: |  |
| Record calibration coefficient of PF coil: |  |
| Record asset number Spare coil: |  |
| Record calibration coefficient of Spare coil: |  |
| Record asset number of Spares Kit: |  |
| Record asset number of Coil Tester: |  |
| Check all units for physical damage paying particular attention to the coils. |  |
| Check ferrite cores of all coils are secure. |  |
| Check all connectors for corrosion/damage & clean. |  |
| Carry out insulation & continuity test all cables & check for damage. |  |
| Carry out PAT test on SDC. |  |
| Power up SDC & ensure unit boots correctly with no errors. |  |
| Check the TSS Deepview software starts when the unit is booted |  |
| Check Deepview software version is current as per the software register & record: |  |
| Open up processor pod. |  |
| Record serial number of Processor Board: |  |
| Record serial number of Analogue Board: |  |
| Record serial number of PSU Board: |  |
| Record voltage setting of PSU board (default 110V) |  |

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| Visually inspect all boards for damage, overheating, etc. |  |
| Check all internal wiring & connectors are secure & free from damage. |  |
| Assemble coils onto coil mounting bar ensuring there are no stripped threads in the mounting blocks. |  |
| Connect system up as per manual & place the coil assembly on test stand. |  |
| Check all earth connections are secure & verify continuity with multi-meter. |  |
| Power up the system. |  |
| With the SEP powered ON, measure the voltage at TP1C with respect to TP1A on the SEP Processor board. This should be +5V DC (+0.15 V/-0V), if the voltage is out of specification, locate the potentiometer located on PSU board. |  |
| Verify communications on RS232. |  |
| Verify communications on 2 Wire Current Loop. |  |
| Verify communications on 4 Wire Current Loop. |  |
| Record final comms set-up (as per customer request - default RS232). |  |
| Measure coil separation distance & enter value in Deepview software. |  |
| Verify coil calibration values are correct. |  |
| Set the tone frequency to 25 Hz. |  |
| Using the oscilloscope display verify the signals from each coil are correct (peak @ 50Hz) |  |
| Using the coil tester test each coil in turn ensuring displayed voltages are correct.(1.0 to 1.5e6) |  |
| Set up a test cable with a tone current of 10 mA & ensure cable is tracked correctly & stable. |  |
| Check correct operation of the altimeter. |  |
| With the system running flex the coil cables & ensure signals are maintained. |  |
| Soak test system for at least 30 minutes. |  |
| Verify correct operation of the spare coil. |  |
| Reassemble pod ensuring o-rings are clean & coated with a thin film of silicon grease (silica gel sachet in pod). |  |
| Carry final function test with pods assembled. |  |
| Check output of RS232 data from com3 (log o/p) on SDC. |  |
| Check operation of video output (composite & S-Video). |  |
| Check operation of overlay (composite & S-Video). |  |
| Record serial number of spare Main Board: |  |
| Record serial number of spare Analogue Board: |  |
| Record serial number of spare PSU Board: |  |
| Ensure boards are sealed (if any boards have been open they will have to be fitted to the system & function checked as above before being re-sealed). |  |
| Ensure system is clean & presentable. |  |

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| Package unit in transit cases complete with: | | |
| **SDC** | |  |
| 9-Way RS232 Jumper Cable | |  |
| Transit Case | |  |
| **Pods** |  | |
| Aux Port Blanking Plug. |  | |
| Altimeter Port Blanking Plug. | |  |
| Sensor Port Blanking Plug. | |  |
| Pod Mounting Block c/w 3 x Stainless Steel Jubilee Clips. | |  |
| Altimeter Cable. | |  |
| Altimeter Mounting Block c/w 2 x Stainless Steel Jubilee Clips. | |  |
| 1 x 8-pin Burton Tail. | |  |
| 15-way D-Type Lead. | |  |
| 2 x TSS350 Coil Cable Assemblies. | |  |
| Mains Lead. | |  |
| 2 x BNC to Phono Leads. | |  |
| Manual & Software CD – record versions: | |  |
| Transit Case. | |  |
| **Coils** | |  |
| 2 x Coil Mounting Assemblies (with coils fitted). | |  |
| 2 x Coil Clamps. | |  |
| 8 x Bolts - M8 x 50mm | |  |
| Transit Case. | |  |
| **Spares Kit** | |  |
| 1 x TSS350 Coil Cable. | |  |
| 1 x 8-Pin Burton Tail. | |  |
| Spare Processor Board. | |  |
| Spare Analogue Board. | |  |
| Spare PSU Board. | |  |
| Spare Screws/O-Rings & 8 x Bolts - M8 x 50mm | |  |
| Spare Coil. | |  |
| Spare ICs. | |  |
| Coil Tester | |  |
| Transit Case | |  |
| Coil Mounting Bar. | |  |

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| Checked By | : |  |  | Date | : |  |