

# BERTHON

Berthon Boat Company Limited, The Shipyard, Lymington, Hampshire SO41 3YL England

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## Engineering Servicing, Winter Lay-up & Spring Commissioning Form

This form is designed to remind you of all the routine items which should be attended to before laying up over the winter and commissioning in the spring.

Please read through and tick in the appropriate boxes for those items you would like us to put in hand. Any items not marked will be assumed as not required.

<b>BOAT NAME</b>	
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<b>OWNER</b>	
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<b>READY FOR LAY-UP FROM (Date)</b>	
<b>REQUIRED IN COMMISSION FOR (Date)</b> Depending on requirements yachts will be launched earlier to allow time for commissioning.	

Please proceed with the works indicated in the attached 'Engineering Servicing, Winter Lay-up & Spring Commissioning Form' for the above named yacht.

Signed \_\_\_\_\_

Date \_\_\_\_\_

Directors: B.O.J. May B.A. Dominic O. May  
Member of the British Marine Federation.

All work is undertaken subject to our standard Terms of Business, a copy of which can be supplied on request.

Registered Office: The Shipyard, Lymington, Hampshire. Registered Number 11785 England



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WINTER  
SPRING

**MAIN ENGINE**

The object of winterising marine engines is to leave them in a condition, either ashore or afloat, in which they are least likely to suffer damage from frost and to hold back corrosion. Salt water in the cooling system will encourage corrosion and used oil is acidic which attacks the internal metal surfaces.

**Engine Make & Model:** \_\_\_\_\_

**STBD / PORT Serial Number (if known):** \_\_\_\_\_ / \_\_\_\_\_

<i>EITHER</i>	<p><b>Carry out service and winterise main engine</b> including:</p> <ul style="list-style-type: none"> <li>Check engine oil, gearbox oil and coolant levels</li> <li>Run up engine, take oil sample and send for analysis</li> <li>Carry out oil and oil filter change</li> <li>Change fuel filters and purge system of air</li> <li>Check engine anodes</li> <li>Check air filter</li> <li>Check crankcase filter</li> <li>Check antifreeze level and strength</li> <li>Test run engine alongside to circulate fresh oil</li> <li>Introduce inhibitor to salt water-cooling system using old impellor</li> <li>Supply new impellor for installation at commissioning</li> <li>Check tension and condition of V-belts</li> <li>Check operation of siphon break</li> <li>Check and clean inlet sea strainer</li> <li>Seal air intake</li> <li>Seal exhaust</li> <li>Check condition of hoses and clips</li> <li>Lubricate controls and visually check over engine</li> <li>Report faults found</li> </ul>	<input type="checkbox"/>
<i>OR</i>	<p><b>Carry out main engine service</b> including (if not winterised):</p> <ul style="list-style-type: none"> <li>Check engine oil, gearbox oil and coolant levels</li> <li>Run up engine, take oil sample and send for analysis</li> <li>Carry out oil and oil filter change</li> <li>Change fuel filters and purge system of air</li> <li>Check engine anodes</li> <li>Check air filter</li> <li>Check crankcase filter</li> <li>Check antifreeze level and strength</li> <li>Remove and check water pump impellor</li> <li>Check tension and condition of V-belts</li> <li>Check operation of siphon break</li> <li>Check and clean inlet sea strainer</li> <li>Check condition of all hoses and clips</li> <li>Lubricate controls and visually check over engine</li> <li>Test run engine alongside to circulate oil</li> <li>Recommended if engine(s) not winterised</li> </ul>	<input type="checkbox"/>
<i>OR</i>	<p><b>Winterise main engine</b> (only for when engine has recently been serviced):</p> <ul style="list-style-type: none"> <li>Check engine oil, gearbox oil and coolant levels</li> <li>Run up engine and check over</li> <li>Check antifreeze level and strength</li> <li>Introduce inhibitor to salt water-cooling system using old impeller</li> <li>Seal air intake</li> <li>Seal exhaust</li> <li>Report faults found</li> </ul>	<input type="checkbox"/>



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WINTER  
SPRING

**MAIN ENGINE – IN THE SPRING**

Commission main engine/s including:  
Unseal/reconnect exhaust system, unseal air inlet and refit air filter, fit new water pump impellor with new gasket (if applicable), re-connect engine sea water hoses, check engine oil level, check gearbox oil level, check antifreeze level and strength, check stern gland and vent, open sea water inlet valve, test run engine alongside, check for leaks, check engine instrument readings, check operation of engine and gear controls, shut down engine, close sea water inlet valve and leave warning label at ignition panel, clean work area, report faults found.

**VALVE CLEARANCES (Main engine/s)**

Remove valve cover, check and adjust valve clearances

**COOLANT CHANGE (Main engine/s)**

Carry out coolant change (recommended every 2 years)

**GEARBOX OIL CHANGE**

Take gearbox oil sample and send for analysis, carry out oil and oil filter change

**Generator Make & Model:** \_\_\_\_\_

**Serial Number (if known):** \_\_\_\_\_

**AUXILIARY GENERATOR Location:**

Service and winterise. (details as main engine)

Carry out service only. Recommended if generator not winterised

Winterise only (if recently serviced, details as main engine)

Commission, test run, check output

**VALVE CLEARANCES (Generator prime mover)**

Remove valve cover, check and adjust valve clearances

**COOLANT CHANGE (Generator prime mover)**

Carry out coolant change (recommended every 2 years)

**FUEL**

Top up diesel tank/s  
*Diesel tanks should be topped up to help stop condensation*

YES	NO
<input type="checkbox"/>	<input type="checkbox"/>

Add fuel treatment to the tanks  
*To inhibit algae/fuel bug growth* Total fuel tank capacity \_\_\_\_\_ Litres



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WINTER  
SPRING

**SAILS**

<i>EITHER</i>	Unbend sails, stow below
<i>OR</i>	Unbend sails, send for laundering/repair
Bend on sails on commissioning	


**RUNNING RIGGING**

<i>EITHER</i>	Tie back off mast
<i>OR</i>	Un-reeve, run in messengers, send for laundering / stow below.
Re-reeve on commissioning	


**MAST & SPARS**

Remove mast head unit and stow below
Refit mast head unit on commissioning
Un-step and undress mast
Wash off mast, dress and step on commissioning
Check over running rigging and report
Check over standing rigging and report


**PLUMBING**

Lay up plumbing; Pump out fresh water tank(s), drain down systems (where possible)
Refill fresh water tank(s) and check systems on commissioning


**SEA COCKS**

Check and lubricate sea cock valves All sea cocks are left AS FOUND after servicing, cockpit drains and bilge pump sea cocks are left open
Strip, clean and grease Blakes (or similar) sea cock valves


**ANODES**

Check and change anodes
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WINTER  
SPRING

**SAIL DRIVE**

Service sail drive leg (change oil and sacrificial anodes)

**SAIL DRIVE DIAPHRAGM CHANGE** (recommended every 7 years)

Disconnect engine and move forward  
Remove sail drive leg  
Replace internal and external diaphragm  
Refit and connect engine.

**DRIVE LEG/s**

Service drive leg/s (change oil and sacrificial anodes)

Check / change bellows (either annually or bi-annually in accordance with manufacturer's recommendations)

**DRIVE LEG(S) / SAIL DRIVE ANTIFOUL**

Mask up drive leg, prepare surface and apply two coats of antifouling paint.

**OUTBOARD MOTOR**

Service tender outboard engine:      Make: \_\_\_\_\_      Size: \_\_\_\_\_ hp      Location: \_\_\_\_\_

**STORAGE**

Leave afloat in marina berth

Bring ashore and store in open  
*For safety reasons, yachts laid up ashore with masts stepped must be stored in a cradle and all sails removed*

Launch off on commissioning

**WINCHES / WINDLASS**

Check, strip and service all winches including mast winches, replace pawl springs

Check and clean on commissioning

Check and lubricate windlass

**GAS**

Gas Safety Check. Carried out by Gas SAFE registered engineer



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WINTER  
SPRING

**BATTERIES:** Unless impractical or specifically required batteries should be removed and stored to enable servicing to be carried out efficiently.

The system voltage on this yacht is ____ volts	
Remove and store ashore ____ batteries, check, carry out specific gravity check and high load drop test and report.	<input type="checkbox"/>
Check, charge and refit batteries aboard when commissioning	<input type="checkbox"/>

**TUBULAR HEATERS / DE-HUMIDIFIERS**

Fit ____ tubular heaters. (£40 for first heater with thermostat, £20 for each subsequent heater + VAT)	<input type="checkbox"/>
Remove heaters on commissioning	<input type="checkbox"/>
Set up owner supplied de-humidifier	<input type="checkbox"/>

**SAFETY EQUIPMENT**

<b>LIFE RAFTS</b> No: _____ Location: _____ Send for service and certification. Replace below deck/in stowage on return	<input type="checkbox"/>
<b>LIFE JACKETS</b> No: _____ Location: _____ Send for service and certification. Replace on board on return	<input type="checkbox"/>
<b>JON BUOY / EPIRB</b> No: _____ Location: _____ <b>(Or similar automated safety device)</b> Send for service and certification. Replace on board on return	<input type="checkbox"/>

**FIRE EXTINGUISHERS** should be checked every year by specialist

Check and service. Replace on board on return (we will recommend if fire extinguishers are not suitable or inadequate)	<input type="checkbox"/>
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**COVERS**

Fit owner-supplied winter cover and support frame	<input type="checkbox"/>
Remove cover and support frame on commissioning and pack away for owner collection	<input type="checkbox"/>

**ANTIFOULING** When lifted ashore we will pressure wash the bottom

Repaint with 2 coats of (Brand & colour of antifouling)	<input type="checkbox"/>
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**BOOTTOP**

Repaint as at present (Brand & colour of boottop paint)	<input type="checkbox"/>
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WINTER  
SPRING

**VALETING – Post Season**

Wash down decks, coach roof / superstructure, cockpit & topsides	<input type="checkbox"/>
Carry out interior valet	<input type="checkbox"/>

**TOPSIDE – Post Season**

GRP: clean and polish	<input type="checkbox"/>
GRP: cut back, clean and polish	<input type="checkbox"/>

**DECK – Post Season**

Wash down teak decks and apply anti fungicide treatment (Boracol), to inhibit the growth of algae over winter.	<input type="checkbox"/>
Clean all bare teak	<input type="checkbox"/>

**COACHROOF/SUPERSTRUCTURE - Post Season**

GRP: clean and polish	<input type="checkbox"/>
GRP: cut back, clean and polish	<input type="checkbox"/>

**VALETING – Pre Season**

Wash down decks, coach roof / superstructure, cockpit & topsides	<input type="checkbox"/>
Carry out interior valet	<input type="checkbox"/>

**TOPSIDES – Pre Season**

GRP: clean and polish	<input type="checkbox"/>
GRP: cut back, clean and polish	<input type="checkbox"/>

**DECK – Pre Season**

Wash down teak decks and apply anti fungicide treatment (Boracol), to inhibit the growth of algae over winter.	<input type="checkbox"/>
Clean all bare teak	<input type="checkbox"/>

**COACHROOF/SUPERSTRUCTURE – Pre Season**

GRP: clean and polish	<input type="checkbox"/>
GRP: cut back, clean and polish	<input type="checkbox"/>

**PLEASE SUPPLY DETAILS OF ANY ADDITIONAL REQUIREMENTS OVERLEAF**



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WINTER
SPRING

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NOTES: