



# WARRANTY CARD

This must be returned to your dealer or Beta Marine within 4 weeks of the commissioning date for warranty to apply.

Owner/User Name: .....

Owner/User Address: .....

.....

.....

.....

.....

Postcode: .....

Telephone: .....

Engine Type: ..... Eng No: ..... WOC No: .....

Boatbuilder/Installer: .....

Address: .....

.....

.....

.....

.....

Date of Purchase by User: ..... / ..... / .....

Date of Installation/Commissioning: ..... / ..... / .....

Type of Vessel: .....

Pleasure or Commercial .....

O.A.L.: .....

Beam: ..... Mooring Address: .....

Propeller Size: .....

Propeller Rotation in Ahead: .....

I have read and accept the warranty terms attached and I have checked that the installation meets Beta's requirements as identified in the Operator's Maintenance Manual and the attached installation and commissioning check list.

Signed (Owner) .....

**FOR OFFICE USE ONLY:** GB No: .....

WOC No: .....

Test Date: .....

Warranty Expiry Date: ..... / ..... / .....

Installation and Commission Check ListTo be returned to your dealer or Beta Marine Ltd

Owners Name: .....

Before the owner / installer signs the Beta Marine Warranty Card he/she must ensure that the following items have been checked and are correct. Please confirm with a ./.

We strongly recommend that where the owner has carried out his own installation then he calls on his local Beta Marine dealer or a qualified marine engineer to check the installation and sign it off.

1) Correct engine alignment.	___
2) Flexible mount securing bolts and locknuts are tight.	___
3) Speed and gear lever controls are correctly adjusted for use.	___
4) The exhaust system complies with the Operator's Maintenance Manual.	___
5) Battery leads are securely attached and the battery fully charged up.	___
6) A sea water inlet filter is installed and the sea cock is the correct size.	___
7) The propeller has the right rotation for the gearbox and the tip clearance is correct.	___
8) Check to see that no pipes are rubbing on moving parts or engine bearers etc and are adequately clipped.	___
9) Ensure that the fuel leak off goes back to the tank and has a loop in the return (See Operator's Maintenance Manual).	___
10) Check engine and gearbox oil levels and ensure that drain plugs are correctly tightened.	___
11) Check fresh water level and confirm that the correct ratio of anti freeze has been added.	___
12) If a Calorifier is fitted vent the system to remove all the air.	___
13) Check the fuel system and confirm that a fuel water separator has been fitted.	___
14) Check belt tension and alignment.	___
15) Check installation angle and confirm that it's less than 15 degrees.	___

continued overleaf....

16)	Start the engine (see Operator's Maintenance Manual) and confirm that all the panel functions are working.	___								
17)	Run engine out of gear with the boat tied up and check fresh water levels as described in the Operator's Maintenance Manual.	___								
18)	Check for leaks.	___								
19)	Run engine in gear with the boat tied up for 20 minutes at 2/3 throttle. Check the installation for leaks and ensure that the system is cooling correctly. If all is OK then take the boat out for a full sea trial as follows:-  <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>Time</u></th> <th style="text-align: left;"><u>Throttle setting %</u></th> </tr> </thead> <tbody> <tr> <td>15 minutes</td> <td>50</td> </tr> <tr> <td>15 minutes</td> <td>75</td> </tr> <tr> <td>15 minutes</td> <td>100</td> </tr> </tbody> </table> <p>Note.</p> <p>(a) If the engine cannot reach its full rpm then it's probably 'held' on the propeller. Don't open the throttle beyond the point at which the engine won't go any faster as this will only give exhaust smoke due to unburnt fuel. If a tachometer is fitted then note the maximum rpm obtained and consult your dealer if this is below the maximum allowed.</p> <p>(b) With every trial - check that the water temperature alarm light does not come on. If it does then check that the sea water flow is up to specification and the fresh water level is correct, and then repeat the trial. (See Operator's Maintenance Manual for details).</p>	<u>Time</u>	<u>Throttle setting %</u>	15 minutes	50	15 minutes	75	15 minutes	100	___ ___ ___ ___
<u>Time</u>	<u>Throttle setting %</u>									
15 minutes	50									
15 minutes	75									
15 minutes	100									
20)	Keel cooling (skin) tanks should have a surface area of adequate size. Please refer to Operator's Maintenance Manual – as an approximate guide for steel hulls you should have a surface area exposed to the water of a square foot per 4 bhp.	___								
21)	Complete the warranty card and installation check list and send a copy of each to your dealer or Beta Marine Ltd.									

I confirm that the above has been completed.

Installers Signature .....

Installers Name/Company .....