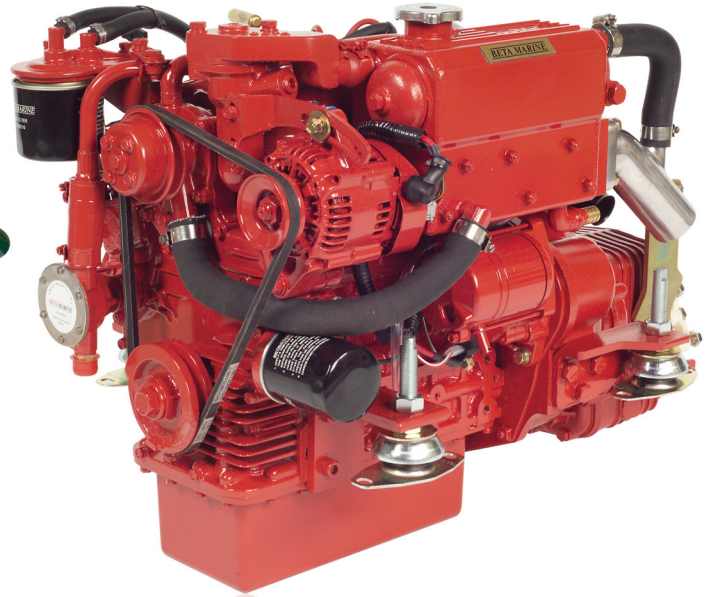


# **BETA MARINE**



## **Beta Marine Customer Warranty for Propulsion Engines**

This warranty sets out the conditions and limitations of Beta Marine's warranty for the purchaser. Beta Marine Limited (Beta) give this warranty to you the customer that the product is free from defects in materials and workmanship for the warranty period set out in the following table. These warranty terms only apply to Kubota based propulsion engines. This warranty replaces clause 17 in our general terms of tender and sale.

1. Beta's warranty falls into 2 categories, as follows:
  - (a) Retail customer who uses the engine for pleasure applications/private use.
  - (b) Commercial customers. This covers fishing boats, work boats, charter boats and hire boats.
2. The warranty period for these two categories is as follows:
  - (a) Pleasure applications/private use - 5 years from date of the invoice from Beta Marine Ltd, or 1000 operating hours, whichever comes first (except Saildrive). Saildrive warranty is limited to Pleasure use only; and a maximum of two years from commissioning or 200 operating hours whichever comes first.
  - (b) Commercial applications - 1 year from date of the invoice from Beta Marine Ltd or 1000 operating hours whichever comes first.
3. Warranty is invalid if genuine Beta Marine or Kubota approved parts are not used. These parts can be obtained from your local Beta dealer.
4. Beta Marine Ltd reserve the right to either repair or replace the parts concerned. Replaced parts become the property of Beta Marine. Any warranty work must be authorised by Beta Marine Ltd UK working through your local dealer or boat builder.
5. Wherever possible warranty work must be carried out by a Beta Service Dealer. If one is not available then contact must be made direct to Beta Marine Limited in the UK who will authorise work to be carried out by a local engineer.
6. Travel to do warranty work is limited to 2½ hours and 200 miles round trip. The removal and reinstallation of an engine is limited to 4 hours.
7. The customer must pay the labour and parts cost direct to the engineer who carries out the work, for those parts not covered under warranty as defined in item (3).

8. Third party claims are not acceptable as defined in our terms and conditions of sale (see acknowledgement form).
9. Cranage and slipping fees are not included under the warranty cover.
10. This warranty is valid for the first retail purchaser only. It may be passed on to the second customer at the discretion of Beta Marine Ltd. only.

**11. Owners/Users Responsibility:**

- (a) Owners must satisfy themselves that the engine is installed and commissioned correctly so that the engine cannot be damaged or made to run incorrectly or cause to fail leading to a life threatening situation. The warranty card and Installation and Commissioning check list must be completed and returned to your dealer or Beta Marine for warranty to apply.
- (b) Owners must maintain the engine in a proper manner as described in the operator's manual. Faulty parts must be immediately replaced or repaired so that continual use of the engine cannot cause these parts to suffer premature failure causing possible injury or death in certain circumstances.
- (c) Owners can choose to use a local dealer to commission the engine and carry out service work or do this themselves. All costs must be paid by the owner.
- (d) Engines being stored for more than 6 months must be either run regularly or have special protection oils specified at the time of purchase. Failures relating to incorrect storage or maintenance are not covered by this warranty.
- (e) The Warranty card must be returned to your dealer or direct to Beta Marine to register you as the first owner.

**12. Warranty costs will be covered as the attached matrix:**

**5 YEAR WARRANTY** - The major static engine components comprising the crankcase, cylinder head, heat exchanger body, inlet and exhaust manifolds, gear housing, flywheel housing, thermostat housing, engine feet are covered for **labour and materials for 2 years** and **materials only for 5 years**. All rotating parts and other components are covered for **labour and materials for 2 years** as indicated in the following matrix:

✓ = Covered      ✗ = Not Covered

**Warranty does not cover consumable parts which would be replaced during the normal routine servicing of the engine, see operator's handbook:**

✗ air filter element, ✗ oil filter, ✗ fuel filter, ✗ seawater pump impeller or ✗ (wasting) anode.

**Warranty does not cover parts affected by the following:** ✗ installation faults, ✗ ordinary wear and tear, ✗ improper use, ✗ rust, corrosion and contamination, ✗ accident, ✗ contamination of rubber mounts by oil or diesel fuel, ✗ contamination by sea water in the engine oil or water in the fuel supply, ✗ incorrect storage, ✗ changes to the electrical system including the installation of customised instrument panels and modifications to alternators to accommodate the use of battery charge regulators etc., ✗ high alternator temperature. This can occur where a high output alternator (over 120 amps) is connected to a battery management system. In these cases an extraction fan must be fitted to cool the alternator.

\*All engine control panels must be seated on a continuous bead of mastic between the rear face and the mounting surface.

	Year 1		Year 2	
	Parts	Labour	Parts	Labour
Main Engine Components - Static	✓	✓	✓	✓
Main Engine Components - Moving	✓	✓	✓	✓
Fuel Injection & Supply System	✓	✓	✓	✓
Cooling System	✓	✓	✓	✓
Gearbox/Saildrive	✓	✓	✓	✗
Drive Member	✓	✓	✓	✗
Flexible Mounts	✓	✓	✗	✗
Starter	✓	✓	✓	✗
Alternator (Standard)	✓	✓	✓	✗
2nd Alternator	✓	✓	✗	✗
Travel Power	✓	✓	✗	✗
Engine Control Panel*	✓	✓	✓	✗
Engine Harness and Stop Solenoid	✓	✓	✓	✗
Oil Pressure Switch Sender	✓	✓	✓	✗
Water Temperature Switch Sender	✓	✓	✓	✗
Sump Pump	✓	✓	✓	✓
Alternator Belt	✓	✓	✗	✗

# ***BETA MARINE***

## **Beta Marine Customer Warranty for Propulsion Engines**

### **Interactive Form**

The following form has been designed to make the process of sorting out your warranty as easy as possible for you. It will work on most handheld devices - smartphones and tablets (Andriod and iPhone) as well as any PC.

Once your form is complete, please return it to us asap by email, using the 'submit' at the bottom of the form. When emailing - we would recommend saving a personal copy for your own records before sending on to us. Alternatively - you can print it out, fill it in manually and return it by post or fax the form back to us if you wish.

If you have any other questions or queries - please do not hesitate to get in touch.

#### **Beta Marine Limited**

Davy Way, Waterwells, Quedgeley,  
Gloucester, Gloucestershire, GL2 2AD, UK

**Phone:** +44 (0)1452 723 492 | **Fax:** +44 (0)1452 883 742  
**Email:** sales@betamarine.co.uk | **Web:** www.betamarine.co.uk

# Installation & Commission Check List

**To be Returned to Your Dealer or Beta Marine Ltd.** 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 tick ( ✓ ). 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 must loop down to the bottom of the tank before entering the top
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
16. Start the engine 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
18. Check for leaks
19. Run engine in gear with the boat tied up for 20 minutes at  $\frac{2}{3}$  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:
  - 15 minutes at 50% Throttle
  - 15 minutes at 75% Throttle
  - 15 minutes at 100% Throttle

## Notes:

(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.

(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).

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 completely. The Owner must keep the original copy, and give a copy to the installer, and preferably send Beta Marine a scanned copy 'PDF' by email, or post us a photocopy.

# Warranty Card

To be Returned to Your Dealer or Beta Marine Ltd. Within 4 weeks of the installation/commissioning date for warranty to apply.

Owner/User Name: \_\_\_\_\_

Owner/User Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ Postcode: \_\_\_\_\_

Telephone: \_\_\_\_\_ Engine Type: \_\_\_\_\_

WOC No: \_\_\_\_\_ Engine No: \_\_\_\_\_

Installer Name: \_\_\_\_\_

Installer Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ Postcode: \_\_\_\_\_

Date of Purchase: \_\_\_\_/\_\_\_\_/\_\_\_\_ Date of Installation: \_\_\_\_/\_\_\_\_/\_\_\_\_

Mooring Address: \_\_\_\_\_

Type of Vessel (Pleasure or Commercial): \_\_\_\_\_

O.A.L.: \_\_\_\_\_ Beam: \_\_\_\_\_

Propeller Size: \_\_\_\_\_ Propeller Rotation: \_\_\_\_\_

Skin Tank Size - Refer to Manual (Keel Cooled Engines Only): \_\_\_\_\_

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 Manual and the attached installation and commissioning check list.

Signed (Owner/User): \_\_\_\_\_

<b>FOR OFFICE USE ONLY:</b>	
WOC No: _____	GB No: _____
Test Date: ____/____/____	Warranty Expiry Date: ____/____/____