



**OPERATION AND MAINTENANCE  
MANUAL FOR  
MARE RB 550  
OUTBOARD ENGINE**

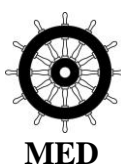
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# **OPERATION AND MAINTENANCE MANUAL FOR MARE RB 550 TWIN -6 PERSONS**





02	04.05.2018	Changed text to apply to both single and twin installation	H.T	
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## 1. SPECIFICATIONS MARE RB 550 - OUTBOARD

- A: LENGTH OVER ALL: 5720 MM  
 WIDTH: 2400 MM  
 DEPTH: 300 MM  
 DRY WEIGHT: 1100 KG  
 DAVIT LOAD: 1595 KG
- B: ENGINE: SOLAS APPROVED OUTBOARD ENGINES
- C: CAPACITY: 6 PERSONS OR WEIGHT EQUAL TO 6 PERSONS (à 82,5kg)
- D: SPEED W/ 3PERSONS ABOVE 6 KNOTS
- E: FUEL CAPACITY: MIN. 4 HOURS AT 6 KNOTS OR COVER A DISTANCE OF 120NM
- F: FENDERCOVER: POLYAMID REINFORCED OILRETARDENT PVC
- G: FIRE EXTINGUISHER: 1 PCE 2KG FIRE EXTINGUISHER
- H: NAV.LIGHTS/SEARCHLIGHT: AQUA SIGNAL LED SERIES LANTERN  
 AQUA SIGNAL "BREMEN" SEARCHLIGHT



## 2. CHECKLIST BEFORE RUNNING

- A: VISUAL CHECK
- B: FUEL -Full tanks and open fuel ventilation valve
- C: ENGINE OIL -Sufficient between MAX/MIN level
- D: MANOUVER HANDLES -Functional normally
- E: NAVIGATION LIGHT -Nav Light functional
- F: BILGE PUMP -Check, drain if necessary
- G: FIRE EXTINGUISHER -Secured and unused
- H: LIFTING EQUIPMENT -Ensure no damage on lifting equipment

## 3. STARTING THE ENGINE

- A: Place ignition key and "deadman" cap on the cut off switch
- B: Place throttle/gear handle in neutral position
- C: Turn on main switch
- D: Turn ignition key



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#### 4. PREPARING THE BOAT FOR LAUNCHING

The boat is ready for launch when the before running checklist has been performed

- A: Remove console cover (optional)
- B: Check hook release gear according to makers instructions
- C: When the "checklist before running" is performed, the boat is ready for launch.

#### 5. LAUNCHING THE BOAT

- A: Release the boat lashings
- B: Secure the painter hook
- C: Crew and passengers must board and balance the boat
- D: Launch according to crane or davit operation manual
- E: Ready for startup as described in the procedure over (3. Starting the engine)
- F: When the boat is in the water, release the lifting hook according to release gear

#### 6. MANOEUVERS UNDER BAD WEATHER CONDITIONS

The boat is equipped with teleflex steering and a remote gas and gear control, making the RB 550 easy to manoeuvre under all weather conditions.

(hydraulic steering can be installed on request)

**NOTE: WHEN CHANGING DIRECTIONS FROM FORWARD – ASTERN OR FROM ASTERN – FORWARD, THE ENGINE MUST BE IN NEUTRAL POSITION AT IDLE SPEED BEFORE RE-ENGAGING THE GEAR.**

#### 7. CAPSIZE

The engine will automatically stop if the boat capsizes.

One person must swim to the starboard aft side and open the red bag marked with a red emergency sign, this bag contains lashing to help with the self rightening sequence.



- A: Crew members must swim to the port side of the boat to manually help the rightening sequence.
- B: After the boat has rightened, climb onboard and wait for the water to drain away, Drain with manual bilgepump if necessary.

#### 8. STOPPING THE ENGINE

Let the engine "cool down" for about 5 minutes before lifting out of water.

Stop the engine when boat is out of the water.

The steering must be in center position before tilting the engines.

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## 9. BATTERY CHARGER

Battery charger is mounted on the mother vessel and is supplied with 230VAC 50/60Hz from external power source and 12V outlet.

The battery charger charges the batteries automatically, The batteries is charging when the red lamp on the charger is illuminated.

## 10. BILGE SYSTEM

One manual bilge pump is located aft.

The hull is foam filled with self drained deck.

## 11. CHECKLIST AFTER EACH USE

Ensure that the boat is good overall condition and fully operational at all times.

- A: Flush the boat and engine with fresh water
- B: Inspect the boat for any damages, this includes the engine
- C: Fill up with fuel
- D: Check oil level on engines

## 12. MONTHLY CHECKS

Perform the above checklist (11. Checklist after each use)



- A: Check loose equipment
- B: Check fire extinguisher

## 13. CHECK EVERY 12 MONTH

Perform the above checklist (11. Checklist after each use and 12. Monthly checks)

If possible launch boat and warm the engine before proceeding:

- A: Drain engine oil
- B: Change oil filter element and re-fill engine oil
- C: Change fuelfilter element
- D: Replace engine zink anodes
- E: Change spark plugs
- F: Check all bolts, nuts, hoses and hose clamps
- G: Check condition of batteries
- H: Check electrical connections and battery poles, clean if necessary
- I: Clean the boat for oils and spill
- J: Check weight of boat according to building sign
- K: Launch the boat for a test drive.

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## **14. CHECK EVERY 48 MONTH**

**TO BE PERFORMED BY SERVICE PERSONELL APPROVED BY MARE SAFETY**  
**NB! The capsized bag must be replaced every 60 months**

## **15. SERVICE DATA FOR THE ENGINE**

(see instruction manual for the engine)

## **16. FENDER MAINTENANCE**

Exepect of flushing with freshwater, the deflective fender mounted on the boat requires very little attention ad care. However it may happen that a sharp object cut a hole in the cladding and in the cover.



If the foam is damaged it is fully possible to cut-out and replace a section of foam if necessary, using normal contact glue.

A repair kit is supplied with the boat and is suitable for carrying out smaller repairs. Prepare sufficient adhesive according to glue information. All repairs must be carried out in comparatively dry conditions.

Larger repair jobs needs to be done by qualified personnel.

1. Degrease and dry off damaged area.
2. Roughen both surfaces with sanding paper and apply glue in accordance with instruction.
3. Allow to dry in accordance with instructions.
4. When glue is correctly applied and dryness is right, press both surfaces together and press home over entire patch.

The patch should cover at least 4 cm in all directions from the damaged area.

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## 17. LOOSE EQUIPMENT

- 1 pc sea anchor
- 1 pc towing line 50m
- 2 pc paddle oars with boat hook
- 1 pc bailer
- 1 pc floating knife
- 1 pc foghorn
- 2 pc hypothermic bags
- 1 pc waterproof torch light
- 2 pc spare torch batteries
- 1 pc bucket with line
- 1 pc compass approved type (mounted in the boat at the steering position)
- 1 pc first aid kit in a water proof case
- 2 pc buoyant rescue quoits with 30m buoyant line
- 1 pc radar reflector
- 1 pc painter hook (mounted in bow)
- 1 pc Searchlight
- 1 pc fire extinguisher
- 1pc boarding ladder