

Walker's
KNOTMASTER LOG
Models K.D.O. & K.D.S. Mk. IIIA

FITTING AND
MAINTENANCE
INSTRUCTIONS

Sole Makers

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THE KNOTMASTER LOG MARK IIIA Models K.D.O. and K.D.S.

MOUNTING - REGISTER

When deciding on the position for the Register, two things must be borne in mind. The rotor should, as far as possible, be streamed in undisturbed water and the dial should be readable without leaving the cockpit. It is often possible to mount the shoes, making use of a short bracket if necessary, fairly well forward, so that both conditions are complied with. It is not always necessary to change the register from side to side when going about unless conditions are such that when mounted on the weather side, the line fouls the stern. The shoes should be securely fastened to the deck using a hardwood block if necessary to clear any toe rail or bulwarks. The shoes are handed and marked "aft" to show the correct alignment. The outrigger and register is attached to the shoe by a quarter turn outboard and the thumb-screw tightened. The Lanyard is made fast. The Register must be free so that the spindle lies true with the line.

MOUNTING - SPEED INDICATOR (Model K.D.S. only)

The Indicator should be mounted not less than 0.3 metre (12") from the compass which should be swung after the indicator is installed. This instrument requires a circular hole 116 mm (4 ⁹/₁₆" diameter. Connect socket on Speed Indicator cable to plug on Register.

SETTING OF HANDS

The hands are friction tight and should be set anti-clockwise to ensure a dead start from zero.

LENGTH OF LOG LINE

The standard length of log line supplied is 18 metres (60') in two coils of 9 metres (30') attached. For speeds up to 10 knots with the Register not more than one metre (3') above W.L. 9 metres (30') of line with one sinker fitted 0.5 metre (18") ahead of the rotator will be sufficient. For higher speeds, particularly if the Register is more than one metre (3') above W.L. it is necessary to use a longer length of line with a maximum of 18 metres (60') at 15 knots. An additional sinker is provided for the higher speeds and should be fitted to the line one metre (3') ahead of the original sinker if there is any tendency for the rotator to porpoise. The rotator will normally run only just below the surface with the sinker submerged. At higher speeds, using two sinkers, it is normal for the leading sinker to break surface. The line is supplied with a nylon loop at one end for attaching to the hook on the Register. If the line has to be cut for shortening, the end must be fused with a flame. When connecting a loop in the line, make sure that the two copper ferrules are securely crimped.

FITTING ROTATOR AND SINKER TO LINE

After cutting the correct length of line, fit one sinker about 0.5 metre (18") from the free end. This end is then connected to the rotator by unscrewing the nose cone, passing the line into the hole in the end of the cone, knotting the line and re-screwing the cone to the rotator (LEFT HAND THREAD).

A figure of eight knot should be used to prevent the line slipping in the cone.

MAINTENANCE

(1) Models K.D.O. and K.D.S.

The bearings of the Knotmaster Mark IIIA are stainless steel and require lubrication. The spindle and races should be frequently oiled by dropping a few spots of oil past the eye. In addition, after 500 miles or four weeks use, the back part should be removed and oil applied to the bearing assembly through the oil hole provided.

The dial movement (1) requires a few drops of oil every 500 miles. If the log is to be stored for any length of time it should first be cleaned and oiled.

(2) Models K.D.S. only

REGISTER

Model K.D.S. is similar to Model K.D.O. but has a generator incorporated in the body. The bearing assembly and the dial movement may be removed without affecting the generator, PROVIDED the magnet fitted onto the main shaft is not allowed to come into contact with any magnetic material e.g. mild steel.

SPEED INDICATOR

The front of the Indicator is completely watertight, but the terminal box must be protected from water. In the event of the Indicator ceasing to work correctly the electrical connections, Plug and Socket should be examined.

If it is necessary to return the Indicator for repair, the Log Register MUST be sent with it, as the two units are matched together for calibration purposes.

For Electric Dial Lighting Use
Terminals 6 and 7 for 12 volts
Terminals 6 and 8 for 24 volts

SPECIFICATION—K.D.O.

Register, 2 shoes, 2 Rotators, 2 Sinkers, 1 18m (60') line in 2 coils of 9m (30') attached, 1 Oil Bottle; Packed in box.

SPECIFICATION—K.D.S.

Register with 2m (6') of two core Cable and Plug, 2 Shoes, 2 Rotators, 2 Sinkers, 1 18m (60') Line in 2 coils of 9m (30') attached, 1 Oil Bottle; Packed in box.

Packed separately: 1 Speed Indicator with 6m (20') of 2 core Cable and Socket.

SECTION OF REGISTER

