

Walker's

# KNOTMASTER LOG

Models K.D.O. & K.D.S. Mk. IIIA

FITTING AND  
MAINTENANCE  
INSTRUCTIONS

*Sole Makers*

Thos. Walker & Son, Ltd.,  
58, Oxford Street,  Birmingham, Eng.

Telephone: 021-643 5474

## **THE KNOTMASTER LOG MARK III A**

**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 are fastened with the screws provided to deck or rail. Screws fore and aft. 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 twelve inches from the compass which should be swung after the indicator is installed. This instrument requires a circular hole  $4\frac{1}{8}$  ins. (116 mm) 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 60 feet in 2 coils of 30 feet attached. For speeds up to 10 knots with the Register not more than 5 feet above W.L. 30 feet of Line with one sinker fitted 18in. ahead of the Rotator will be sufficient. For higher speeds, particularly if the Register is more than 5 feet above W.L. it is necessary to use a longer length of line with a maximum of 60 feet at 15 knots. An additional sinker is provided for the higher speeds and should be fitted to the line 3 feet 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 loop formed at one end for attaching to the hook on the eye. If the line has to be cut for shortening, the end must be fused with a flame. When making a loop on the line make sure that the two copper ferrules are securely crimped.

### **FITTING ROTATOR & SINKER TO LINE**

After cutting the correct length of line, fit one sinker about 18in. from the free end. This end is then connected to the rotator by unscrewing the nose cone, passing line into the hole in end of 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 bearing of the Knotmaster Mark IIIA is stainless steel and requires 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 4 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.

## **SPECIFICATION—K.D.O.**

Register, 2 Shoes, 2 Rotators, 2 Sinkers, 1 60ft. Line in 2 coils of 30ft. attached, 1 oil feeder. Packed in box.

## **SPECIFICATION—K.D.S.**

Register with 6 feet of two core Cable and Plug, 2 Shoes, 2 Rotators, 2 Sinkers, 1 60ft. Line in 2 coils of 30ft. attached, 1 oil feeder. Packed in box.

Packed separately: 1 Speed Indicator with 20ft. of 2 core Cable and Socket.

SECTION OF REGISTER

