KAMEWAGroup
EXCELLENCE IN PROPULSION

ADJUSTING AND CHECKING OF OD-BOX SCALE TYPE

Before first start-up the OD-box scale and the pointer must be adjusted according to combinator diagram.

To move the pitch, use the push buttons on the booster hydraulic valve (V2) on the power pack. (The electrical wires for the solenoids are to be disconnected before using the push buttons, or if installed, use the switch "Local /Remote", located on the connection box.)

Move the pitch to mechanical end position Ahead. (See gauge on hydraulic power pack when safety valve opens.) Then adjust the pointer to mechanical end position Ahead in mm according to combinator diagram and lock the pointer.

Move the pitch to calculatE zero thrust according to combinator diagram.

Start the propeller shaft. Find out preliminary 0-thrust position by moving the pitch. Final 0-thrust position to be adjusted at seatrial at open sea. Then mark 0-thrust on the scale with a "0" at the pointer.

If for some reason the hub, twin tube or the OD-box (push pull rod or the pitch setting mechanism) have been overhauled the OD-box scale and pointer are to be rechecked according to combinator diagram before start-up. Move the pitch to mechanical end position Ahead. Then compare the value on OD-box scale with "Mechanical end position" according to combinator diagram.

ADJUSTING AND CHECKING THE SCALE OD-BOX TYPE F

Propeller in mechanical end position AHEAD.
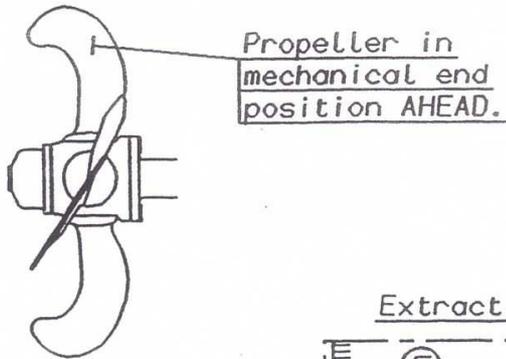
Extract from a combinator diagram.

F	Calculated zero thrust		P/D= 0.04
G	Design pitch		P/D= 1.34
H	Mechanical end position	Ahead	P/D= 1.71
			Box scale=103mm
I	Mechanical end position	Astern	P/D= -1.08

ASTERN **KaMeWa** AHEAD

STROKE mm

140 120 100 80 60 40 20 0 20 40 60 80 100 120 140

FO-Box, F-Box.
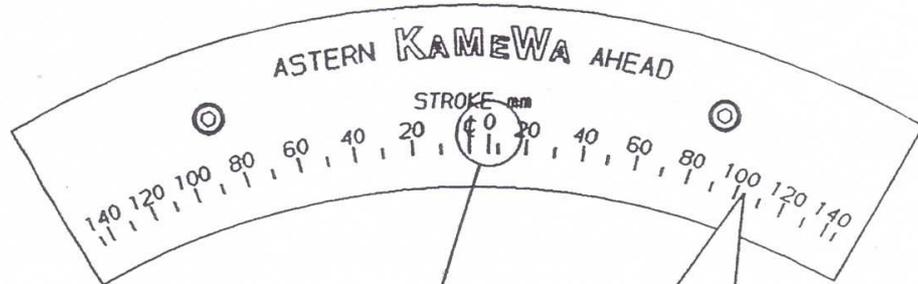
Actual zero thrust position to be marked with '0'

The pointer is to be adjusted acc. to combinator diagram.

MO-Box, P.S.M type A.

120 100 80 60 40 20 0 20 40 60 80 100 120

PITCH mm

ASTERN **KaMeWa** AHEAD