

FEED BACK BOX

On the oil distribution box the feed back box 1 is mounted. The indicating shaft 3 of the OD-box runs through feed back box bottom and the mounting plate 2. On each side of the feed back box bottom, there is a rubber ring 16 on the Shaft, used as dust protection.

On the shaft 3 is mounted a zero pitch indication cam 6, which acts on the micro switch 11 when the pitch is in zero position. The micro switch must be activated to allow start of the ship's main engine.

On the same shaft 3 is also mounted the link arm 5, which via an adjustable link 13 is connected to the link arm 7, operating the potentiometer 10. The potentiometer is 2-ganged (two functions) and transmitting its signals via the PC-card 8 to the plinth 12. The signals go further to the KAMEWA electronic central unit to inform the electronics about actual pitch position (feed back) and to operate the pitch indicators.

Note!

Some propeller plants are equipped with the information "wrong way alarm", i.e. giving alarm if the ordered pitch moves the wrong way. In such a case there are three micro switches 11 and three indication cams 6. One micro switch is in zero position switch, the other two are wrong way astern and wrong way ahead respectively.

In some cases a 3-ganged potentiometer is used. The third "gang" is then used for information to a manoeuvring recorder.

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