3810011-1 12-1998 (Tab 7)

INSTALLATION INSTRUCTIONS

(ENG) **Installation Instructions**
Propeller shaft seal

(GER) **Einbauanleitung**
Propellerwellendichtung

(FRE) **Instructions de montage**
Joint d'arbre porte-hélice

(SPA) **Instrucciones de montaje**
El retén del eje de la hélice

(ITA) **Istruzioni di montaggio**
Guarnizione albero dell'elica

(SWE) **Monteringsanvisning**
Propelleraxeltätning

(DUT) **Installatievoorschriften**
Schroefasafdichting

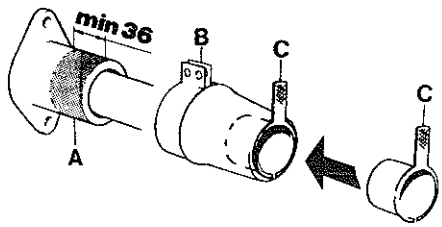
(DAN) **Monteringsvejledning**
Propellerakseltætning

(FIN) **Asennusohje**
Potkuriakselin tiiviste

(POR) **Instruções de instalação**
Vedante do veio da hélice

(GRE) **Οδηγίες τοποθέτησης**
Στεγανοποιητικό παρέμβυσμα άξονα προπέλας

VOLVO PENTA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B
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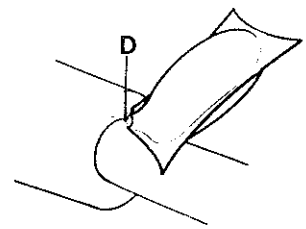
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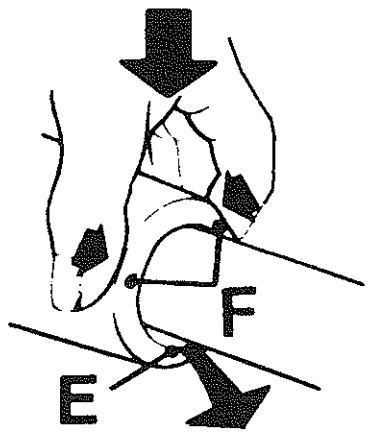
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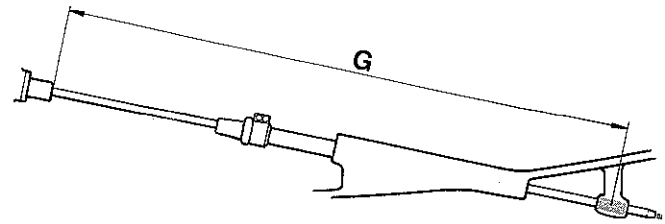
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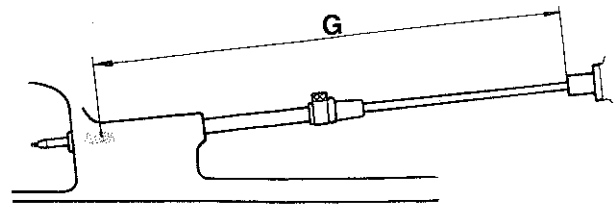
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ENG

The propeller shaft seal is only intended to be fitted below the waterline, since it must be lubricated by water. Check that the water inlet for lubricating the propeller shaft's bearing is correctly arranged to ensure that water reaches the propeller shaft seal during operation.

Part No.	Shaft diameter	Tubular sleeve (ext. diameter)
828254	$25^{\ 0}_{\pm 0.1}$	$42^{\pm 0.5}_{\pm 0.3}$
828422	$30^{\ 0}_{\pm 0.1}$	$48^{\pm 0.5}_{\pm 0.3}$
828526	$35^{\ 0}_{\pm 0.15}$	$54^{\pm 0.5}_{\pm 0.3}$
828527	$40^{\ 0}_{\pm 0.15}$	$60^{\pm 0.5}_{\pm 0.3}$

The free length of the tubular sleeve should be at least 36 mm for the seal to be fitted. See pos. (A) in diagram.

The distance between the propeller shaft's bearings should not exceed 1.5 m (G). A support bearing should be fitted if "G" exceeds 1.5 m. This should be fitted in a position that allows the shaft to rotate freely and without bending.

Conduct installation and maintenance as follows:

1. Check that the part of the shaft that rotates in the seal is smooth (it should be free from scratches and burrs).
2. Check that the shaft end is free from burrs and correctly chamfered, otherwise the seal lips can be damaged during installation.
3. Fit the protective sleeve (C) in the rubber seal.
4. Connect the shaft to the engine temporarily and check that the shaft centres in the tubular sleeve.

   ⚠ **IMPORTANT!** The shaft must not be out of centre, otherwise the rubber seal will not function.

   Remove the propeller shaft again.
5. Carefully clean the part of the tubular sleeve where the seal is to be fitted and the corresponding part of the seal.

   ⚠ **IMPORTANT!** All grease must be removed to ensure that the seal fits correctly on the tubular sleeve.
6. Carefully press the seal on the propeller shaft, fit the propeller shaft flange, and connect the propeller shaft to the engine.
7. Move the seal aft on the propeller shaft. Fit the seal on the tubular sleeve. The outside of the seal under the clamp (B) should be lubricated with wet soap or the like to avoid the clamp (B) pulling the seal skew. Tighten the seal with the clamp (B).

   ⚠ **IMPORTANT!** The two screws should pull the clamp together completely.
8. Remove the protective sleeve (C).

   ⚠ **WARNING!** This is very important, otherwise the boat will fill up with water when launched.

Carefully work the sleeve off the seal, making sure not to damage the seal lips. Split the sleeve and remove from the propeller shaft.

9. Press approx. 1 cm^3 of water resistant grease in the rubber seal. Use the enclosed greasing pad *(D)*.
10. The seal should be greased after every 200 working hours, or once a year. Press in approx. 1 cm^3 of grease each time (D).

    ⚠ **IMPORTANT!** The seal should be replaced after every 500 working hours, or at least every five years.

After launching:

11. Vent the tubular sleeve and seal as follows: The propeller shaft seal, which is water-cooled, should be vented after launching by pressing it together at the lip seal at the same time as it pressed against the propeller shaft (F). A gap is formed between the shaft and seal (E) when it is pressed. When water forces its way out from the gap the seal has been vented.