

are made prior to lifting to avoid personal inju-

positions and engine bed is described on the poster Installation Reference, Volvo Penta IPS Hull Insert/ Hull Mold Plug and Engine Foundation. **WARNING!** Make sure all safety precautions

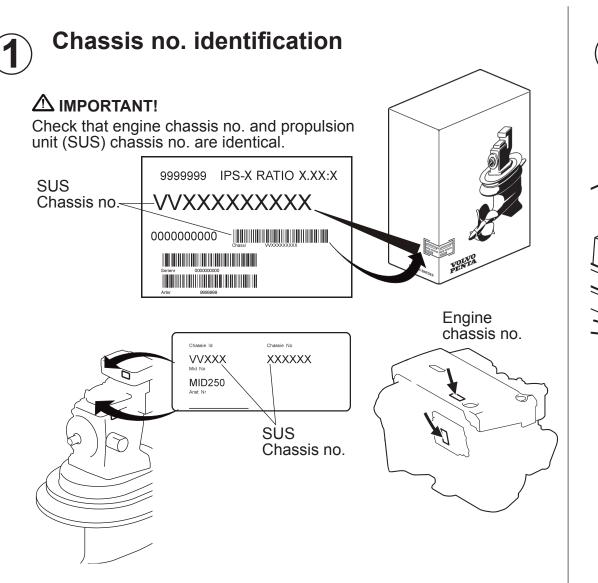
Blocking

surfaces

O-ring (

Tightening torque: 24–28 Nm (18–21 lbf.ft)

Installation Reference, Volvo Penta IPS Propulsion Unit and Engine *



NOTE! Unequal loading will cause

engine vibrations. See also 8F

Apply grease 828250 on the O-ring

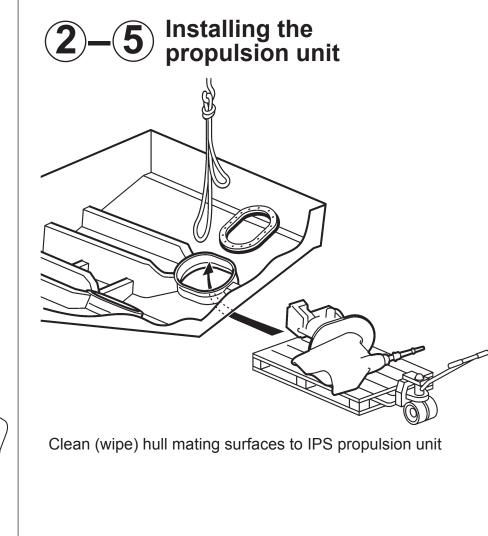
mounting without O-ring dislocation.

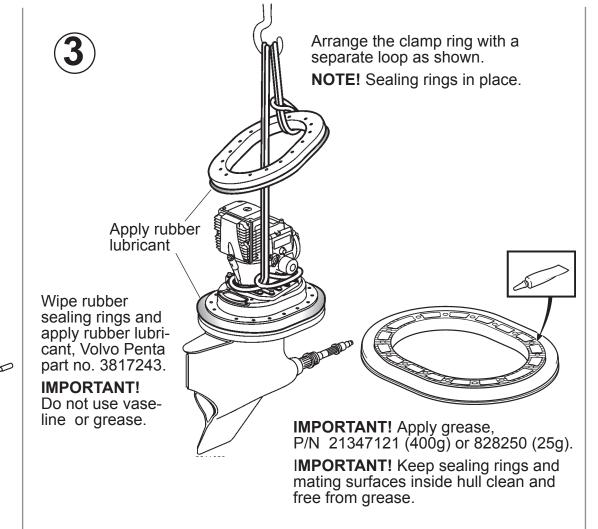
- GRP hull

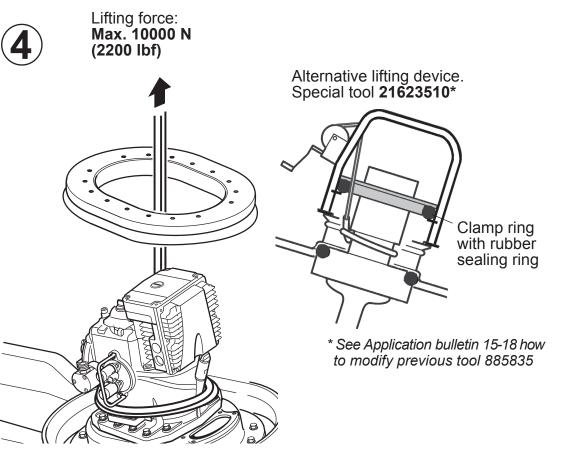
Apply corrosion protection, part no. 9510227,

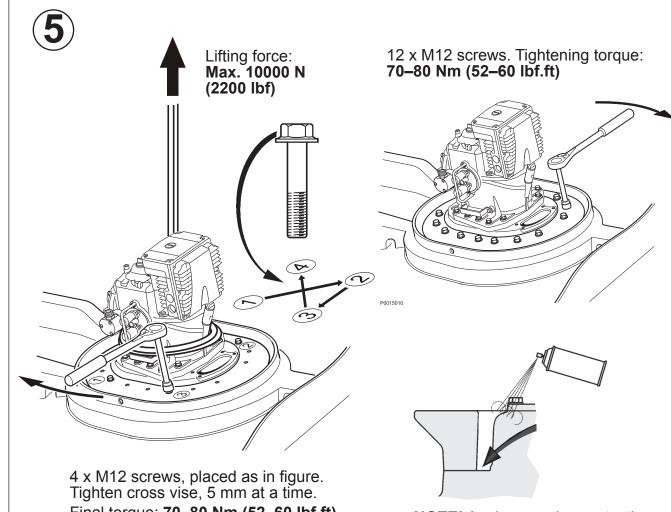
on bonding connections after mounting to seal

Use marine sealant on the through hull fittings.

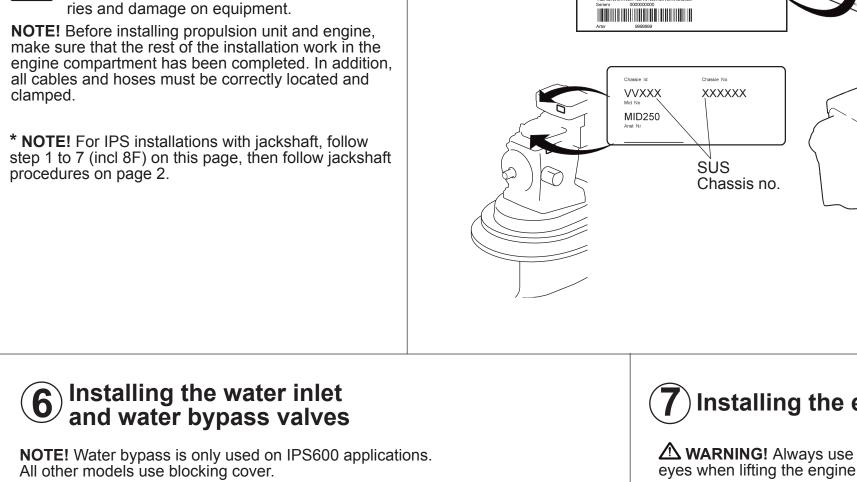


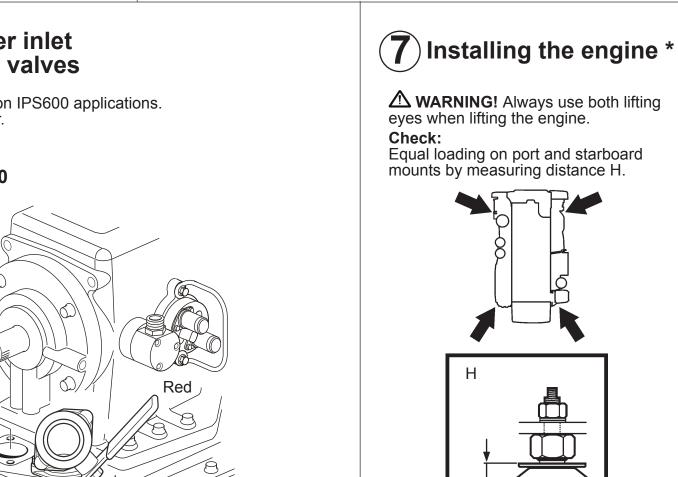




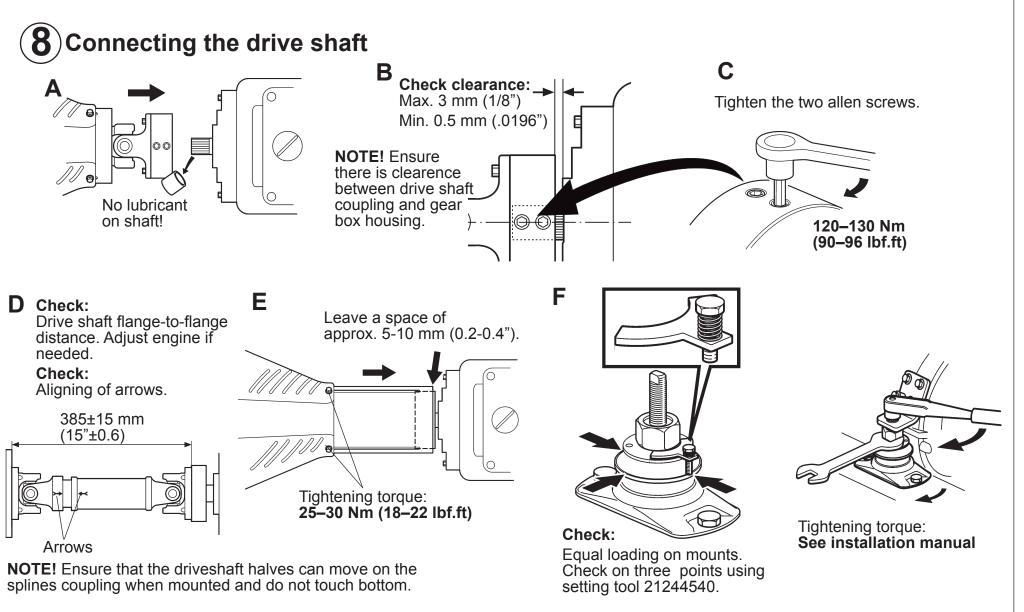


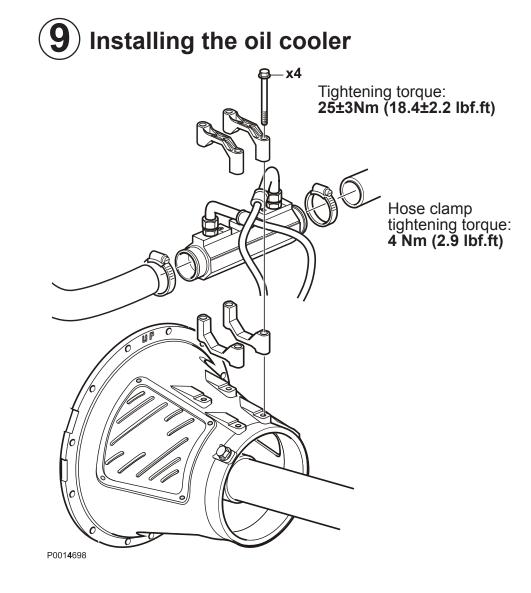
Final torque: **70–80 Nm (52–60 lbf.ft) NOTE!** Apply corrosion protection, part no. 9510227 in area between clamp ring and gear housing.

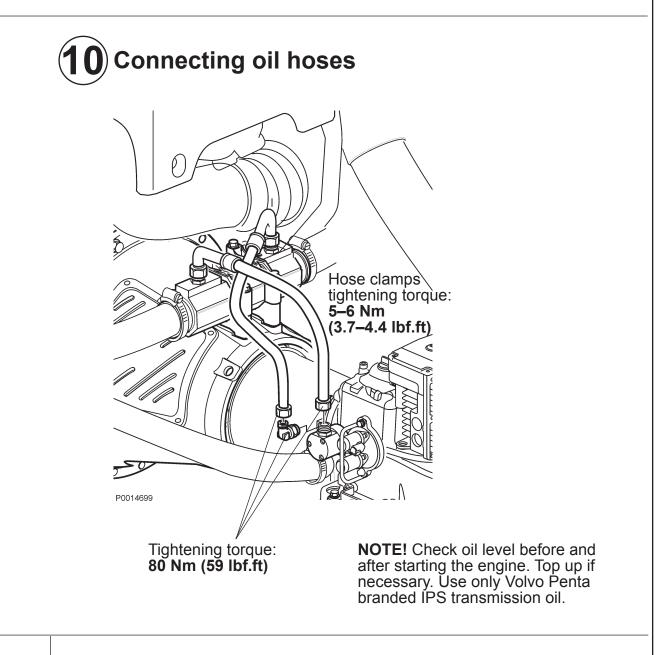


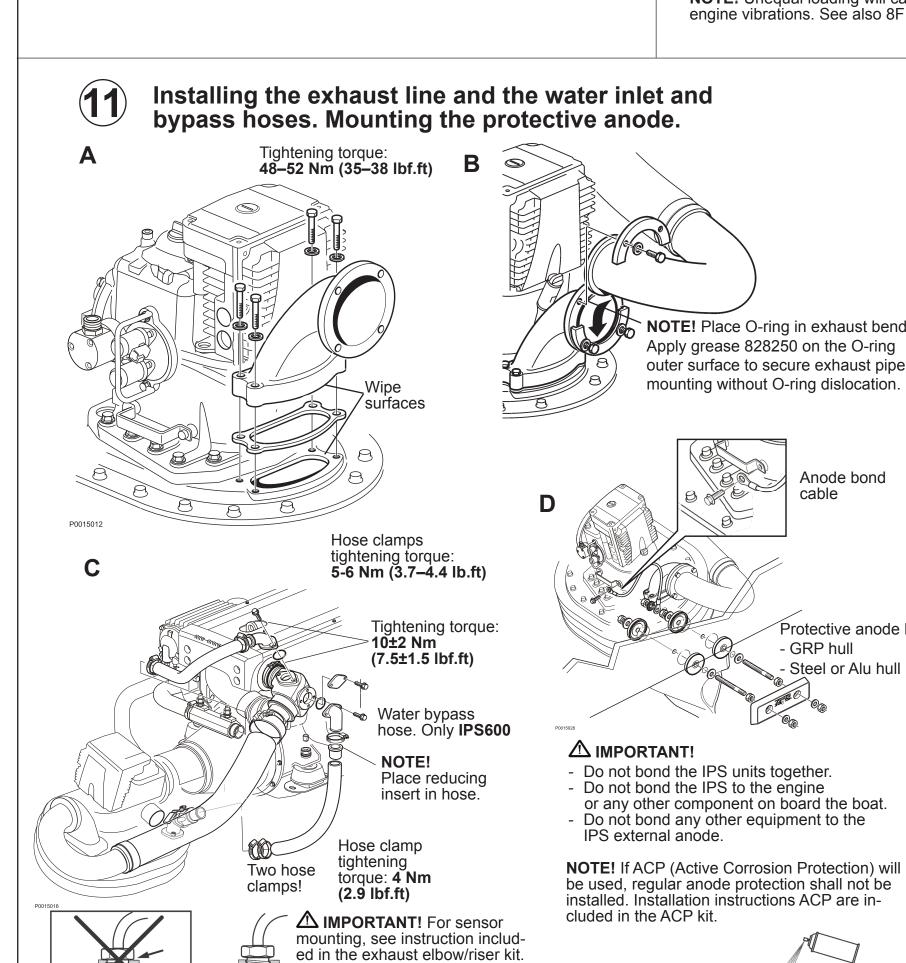


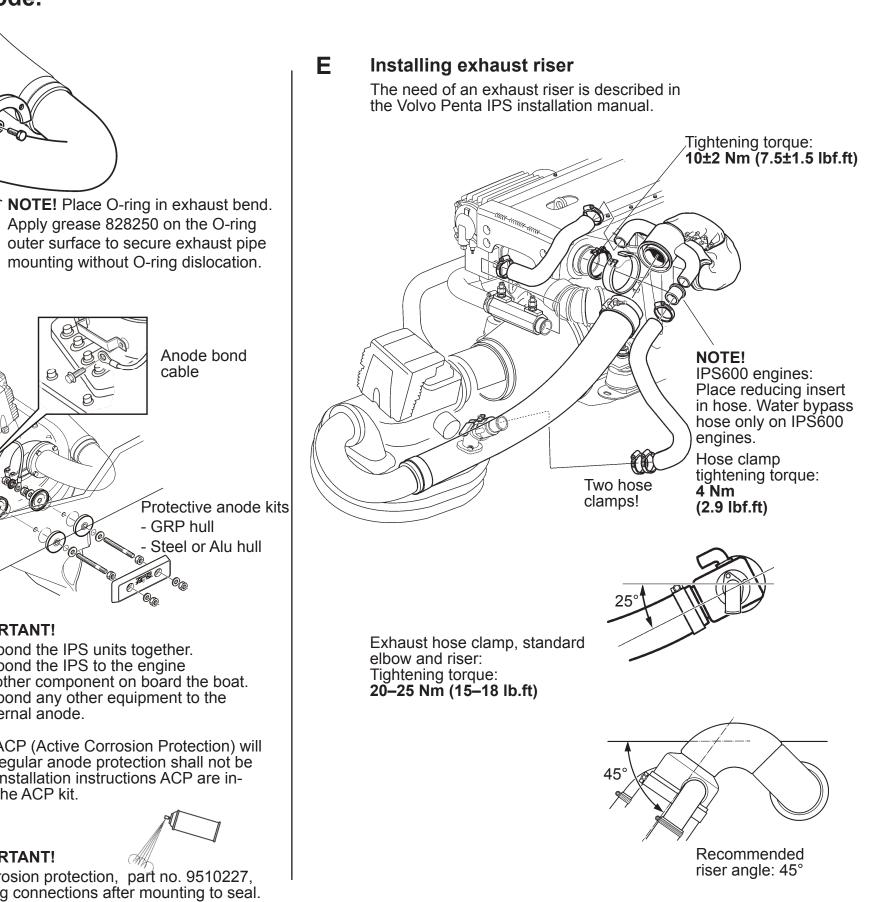
Water inlet valve

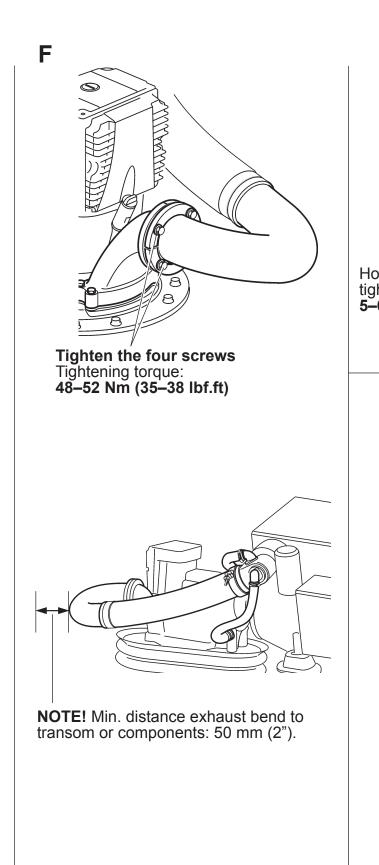


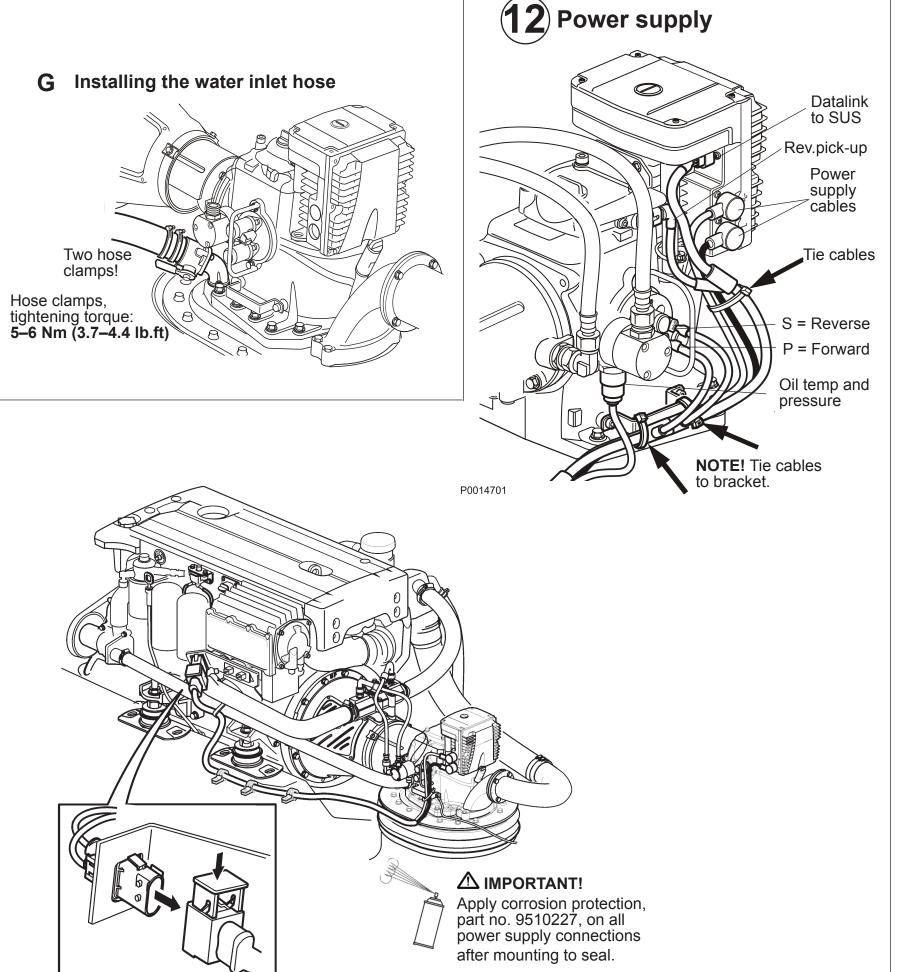


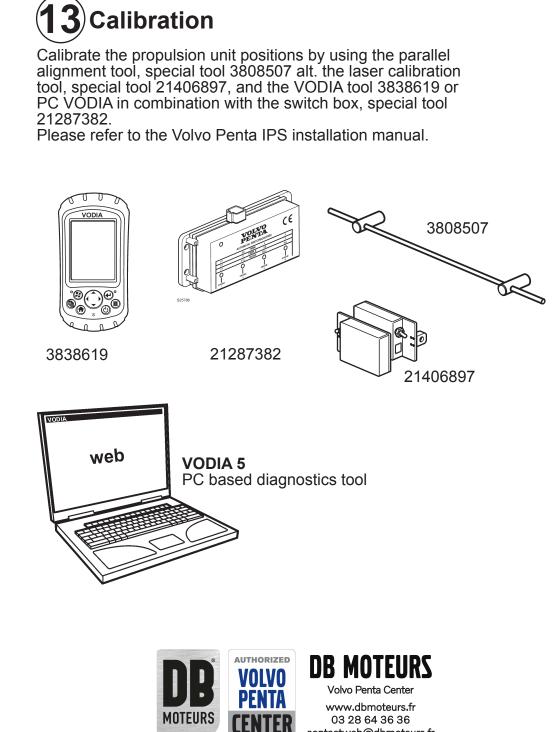












CONTACTEZ-NOUS POUR VOTRE PROJET DE (RE)MOTORISATION

OU POUR TOUT BESOIN DE PIÈCES DÉTACHÉES VOLVO PENTA

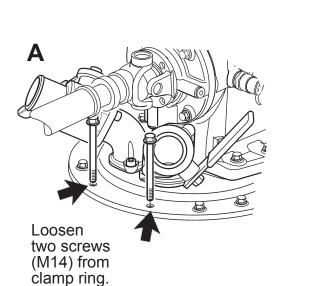
VOLVO PENTA

WARNING! Make sure all safety precautions are made prior to lifting to avoid personal injuries and damage on equipment.

NOTE! Before installing propulsion unit and engine, make sure that the rest of the installation work in the engine compartment has been completed. In addition, all cables and hoses must be correctly located and clamped.

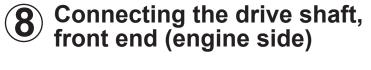


Mounting the rear end catch (IPS600 installation is shown)

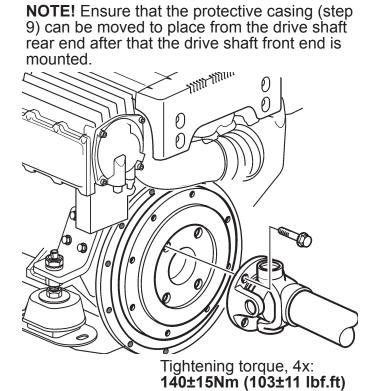


Step **(1)** to **(7)**

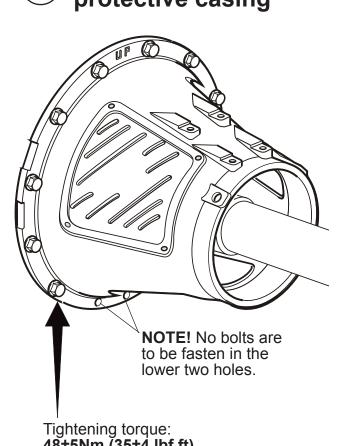
Follow the corrsponding steps for IPS standard installation (without jack shaft).

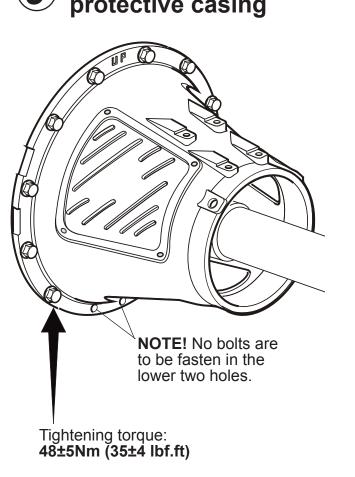


See step 10 E for available drive shaft lengths.

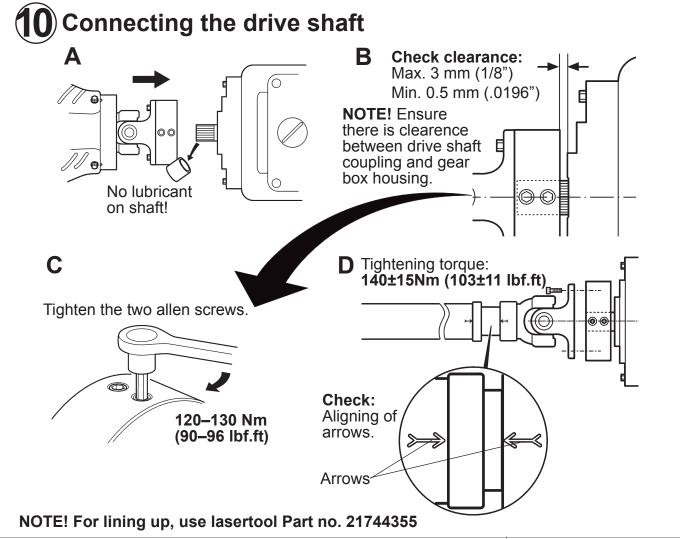


Mounting the front end protective casing





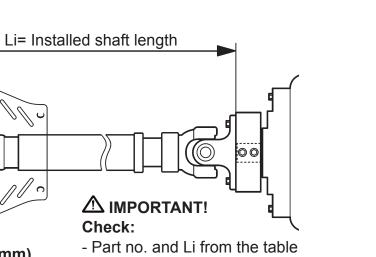
Installation Reference, Volvo Penta IPS Jack shaft mounting





WARNING! Make sure all safety precautions are made prior to lifting to avoid personal injuries and

NOTE! Before installing propulsion unit and engine, make sure that the rest of the installation work in the engine compartment has been completed. In addition, all cables and hoses must be correctly



- Li is within recommended dimension Adjust engine if needed **NOTE!** Ensure that the driveshaft halves can move on the splines coupling when mounted and do not touch bottom.

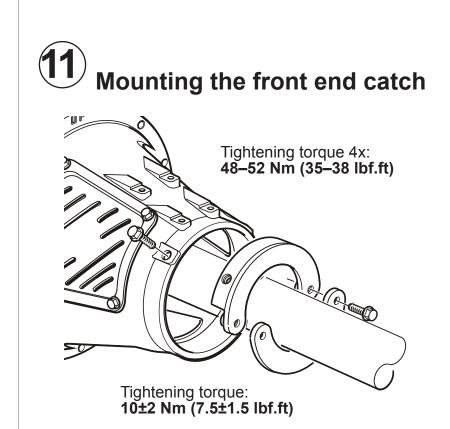
3817452 1470–1550 3817453 1370–1450 3817454 1270-1350 3818288 1170–1250 3818289 1070-1150 970-1050 3818290 3818291 870-950 3818292 770-850

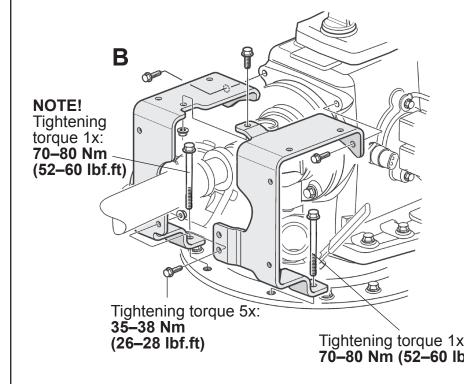
3817450 1670-1750

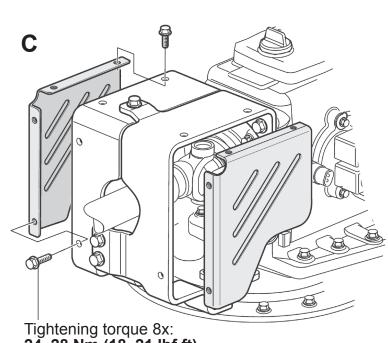
3817451 1570-1650

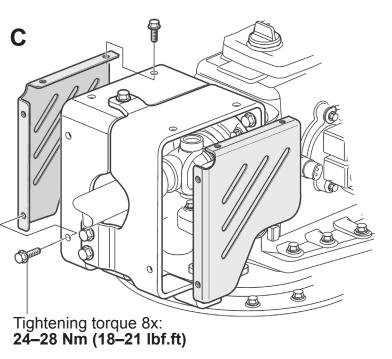
3818293 3818295 670-750

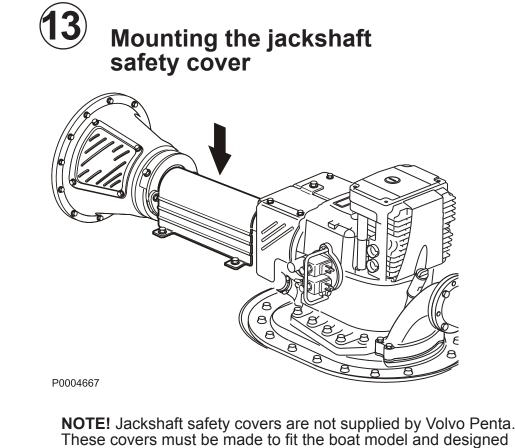
570-650



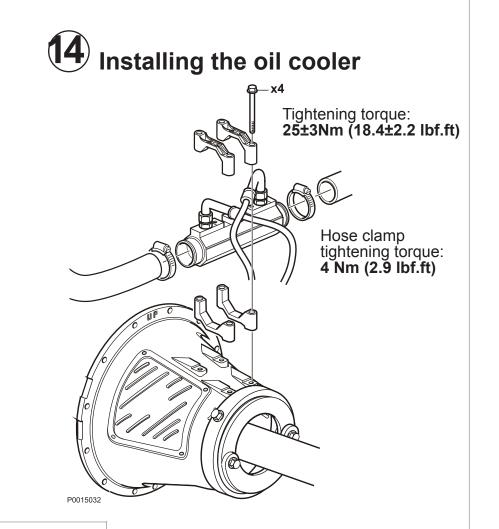


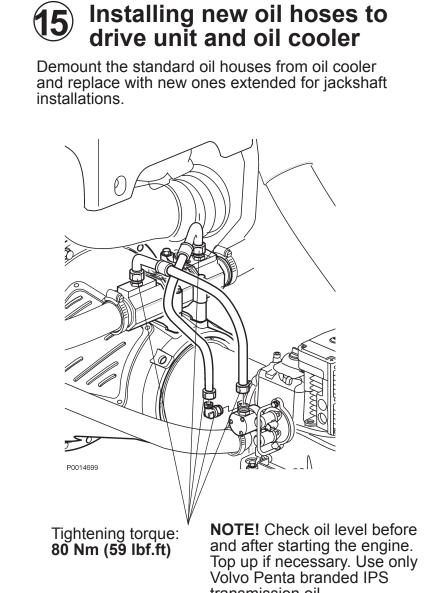


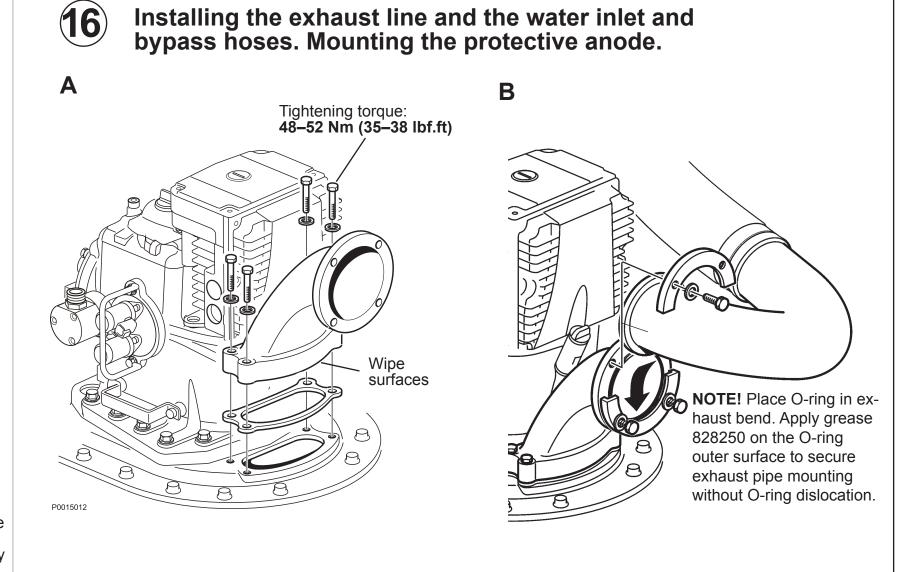


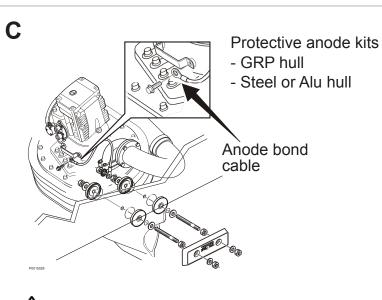


according to local regulation and current safety legislation.









⚠ IMPORTANT!

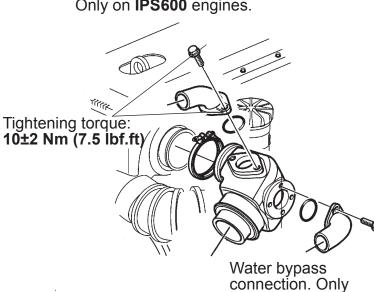
 Do not bond the IPS units together. - Do not bond the IPS to the engine or any other component on board the boat Do not bond any other equipment to the IPS external anode.

NOTE! If ACP (Active Corrosion Protection) will be used, regular anode protection shall not be installed. Installation instructions ACP are included in the ACP kit.

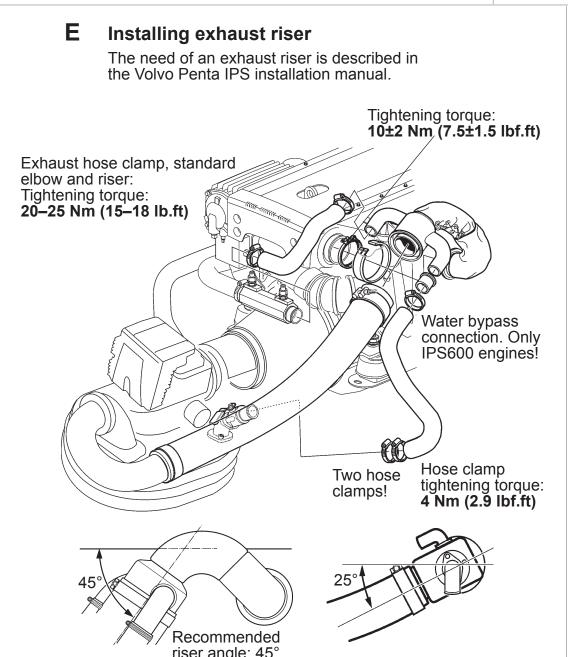


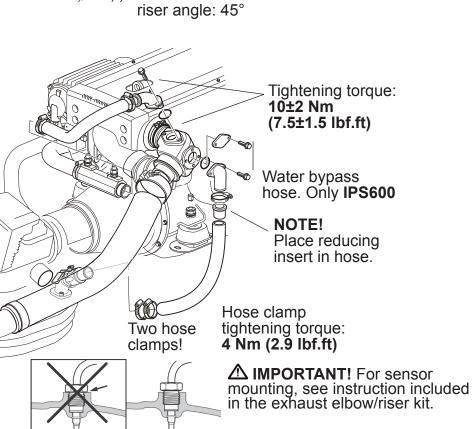
Apply corrosion protection, part no. 9510227, on bonding connections after mounting to seal. Use marine sealant on the through hull fittings.

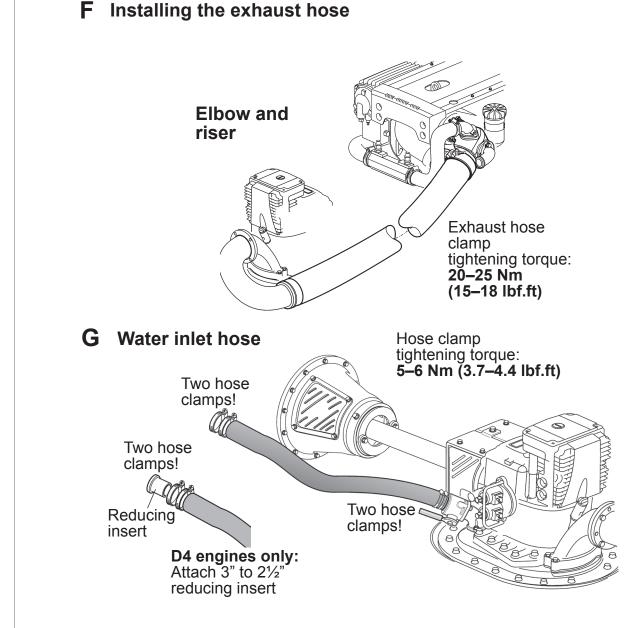
Installing an exhaust elbow Only on IPS600 engines.

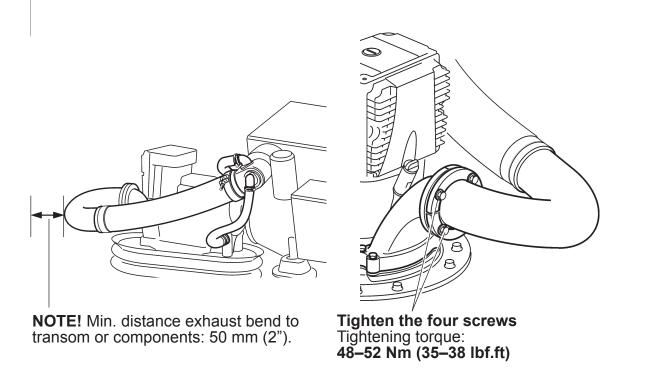


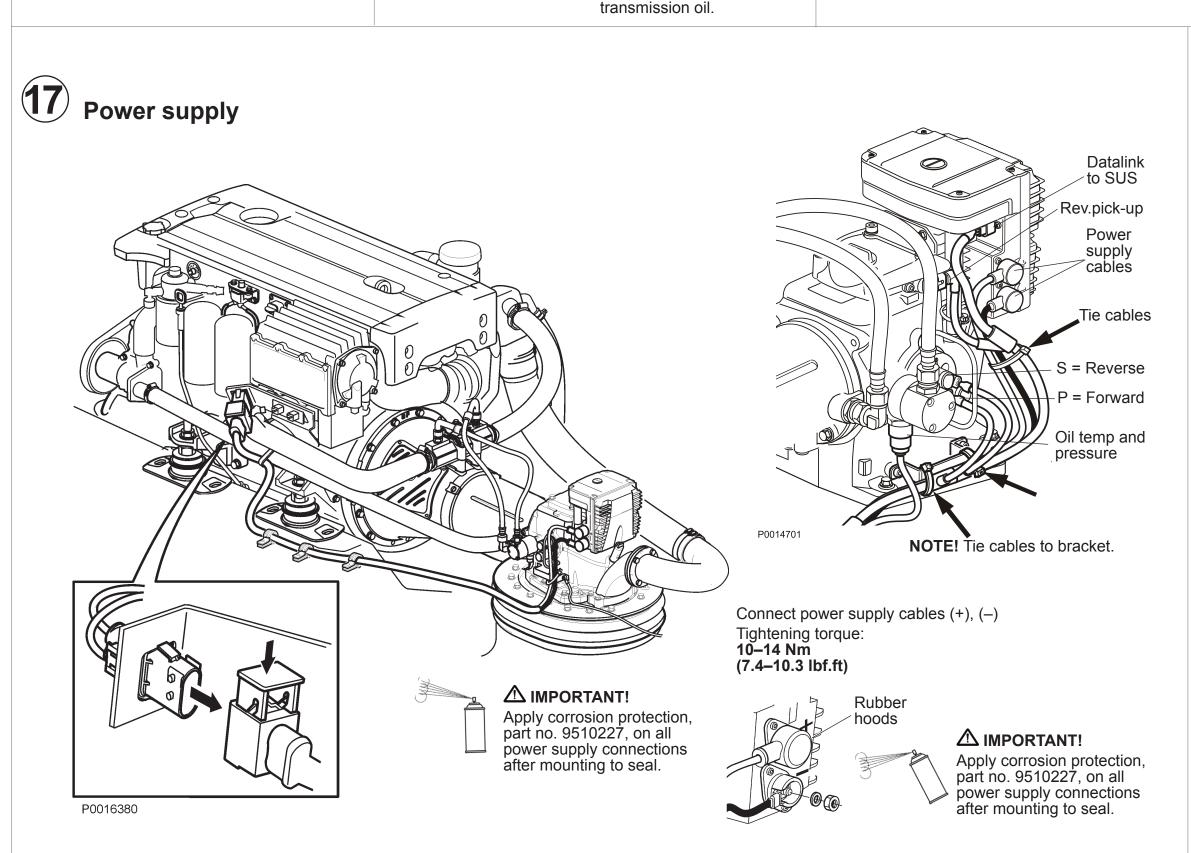
IPS600 engines!















Calibrate the propulsion unit positions by using the parallel alignment tool, special tool 3808507 alt. the laser calibration tool, special tool 21406897, and the VODIA tool 3838619 or PC VODIA in combination with the switch box, special tool

Please refer to the Volvo Penta IPS installation manual.

