

Workshop Manual

Sterndrive Transom Shield

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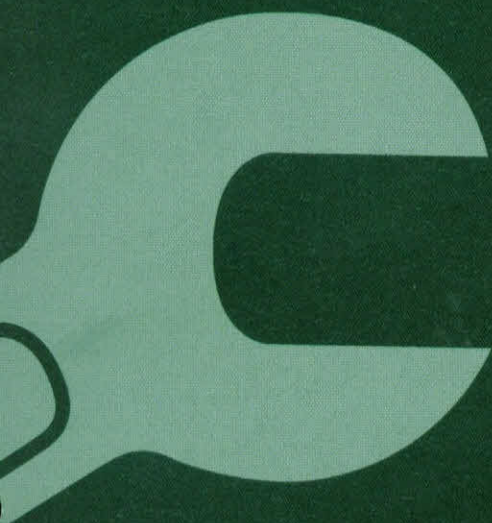
Sterndrive

SX-M, SX-MTD

DP-SM, DP-SMTD, DP-SMTD1

Transom Shield

SX-M, SX-MLT, SX-MACLT,
SX-MHP, SX-MDA, SX-MDB



**VOLVO
PENTA**

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Transom Shield Assembly - SX-M17

Transom Shield Assembly SX-MHP.53

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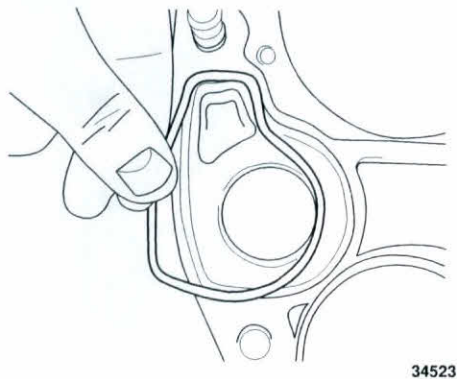
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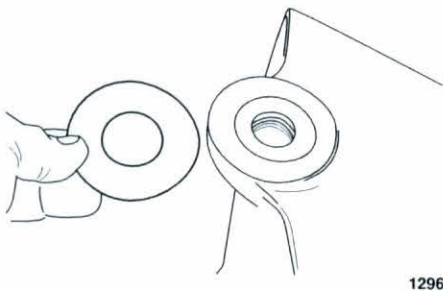
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Pivot Housing Assembly



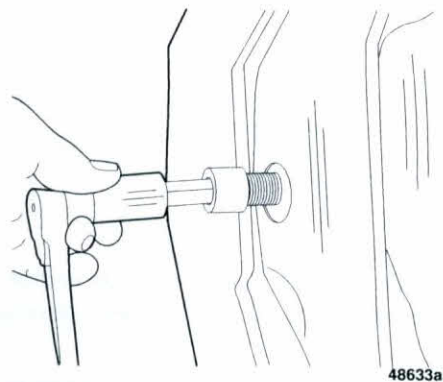
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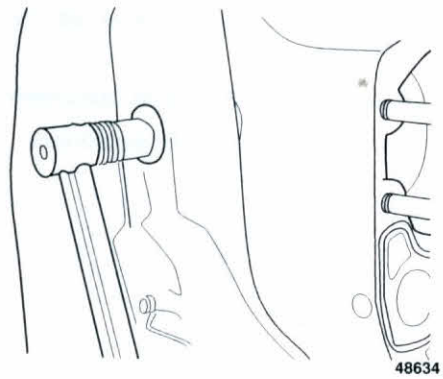
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1. Apply 3M Adhesive sealant to the groove around the water passage, and install a new O-ring seal.
2. If the old pivot boss friction washers were removed, make sure a thrust washer coated with *Volvo Penta Grease P/N 828250* is installed in each pivot. Install two new friction washers and coat them with *Volvo Penta Grease P/N 828250*

Pivot Housing Installation



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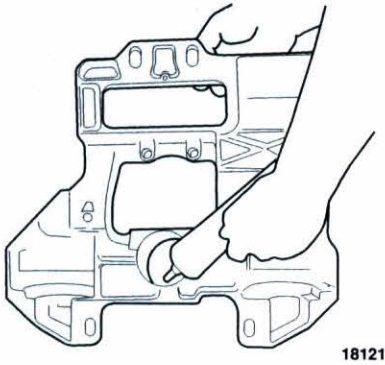


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1. Position the pivot housing in the gimbal ring. Guide the water tube nipple through the housing, and position the bellows behind their respective openings.
2. Align one gimbal ring pivot pin hole with the hole in the pivot housing. Look inside to see if the thrust washer is still in position and not blocking the hole. Screw in the pivot pin until it seats, **but do not tighten** it at this time.
3. Align and install the other pivot pin. Tilt the housing up and down to see if it moves freely. Use a 1/2 in. hex socket and tighten the pivot screws to 105-120 ft. lb. (142-163 N.m).

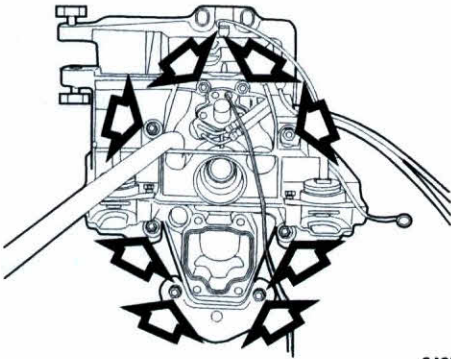
Note! Hold pivot housing to keep housing from over rotating and damaging bellows and water hose while tightening pivot screws.

4. Apply a light coat of *Volvo Penta Grease P/N 828250* to the inside of the transom plate alignment tube.



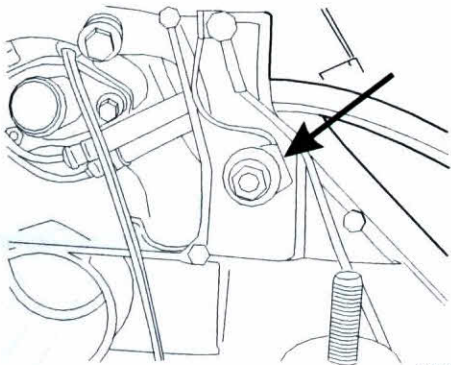
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5. Position the two hydraulic lines above the uppermost port stud and mount the transom plate. Place the transom bearing plate over the two bottom studs, flat side against transom. Install three flat washers and five new locknuts. Tighten nuts until they just contact plate and transom. **Do not tighten nuts at this time.**



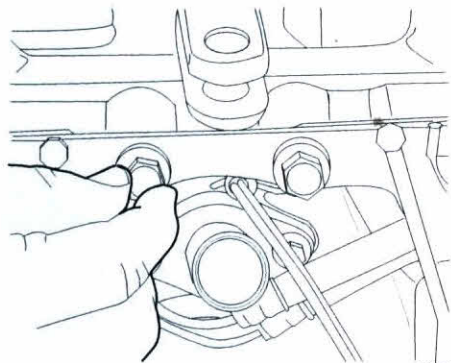
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6. Position ground wire on transom shield stud. Install washer and locknut. **Do not tighten nut at this time.**



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7. Lightly coat the alignment screw threads with *Volvo Penta Grease P/N 828250*, then screw them completely in only finger tight. Do not tighten the alignment screws at this time.



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