

7741390-4 11-1999 (Tab 2)-

Part no. 852687


INSTALLATION INSTRUCTIONS

Installation Instructions

Installation of 120S drive on MD5C, MD7B,
MD11D, MD17D

**VOLVO
PENTA**

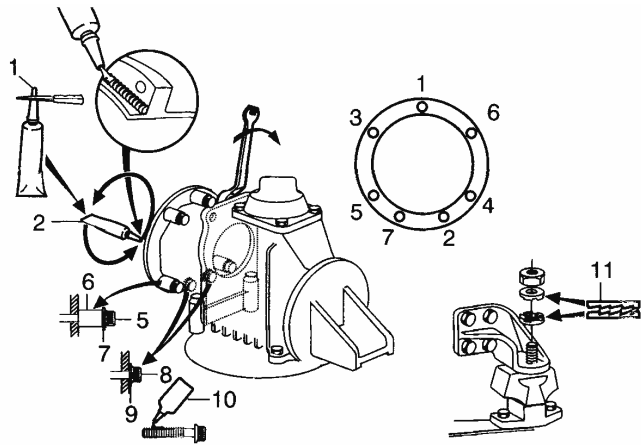
IMPORTANT!

 This batch with its accompanying instructions is produced for Volvo Penta's service workshops, boat-builders, machine manufacturers and other authorized workshops which have personnel with qualified professional training.

The installation instructions are only produced for professional use and are not intended for non-professional use. Volvo Penta will not assume any liability whatsoever for damage incurred, either damage to materials or personal injury, which may result if the installation instructions are not followed or if the work is carried out by nonprofessional personnel.

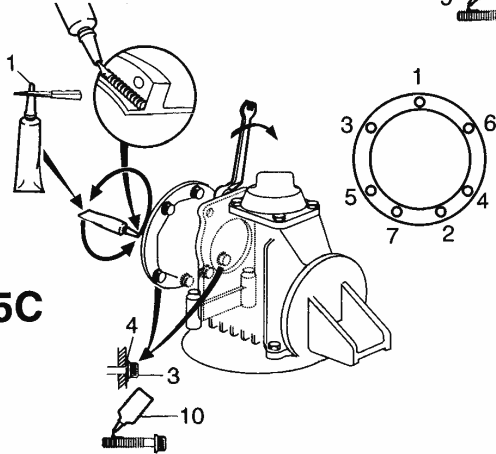
Alternative 1

MD7B
MD11D
MD17D



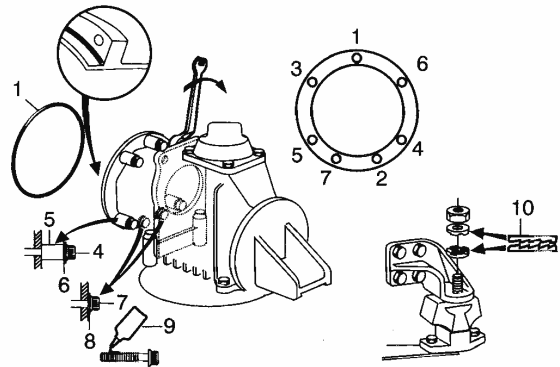
MD17D

MD5C



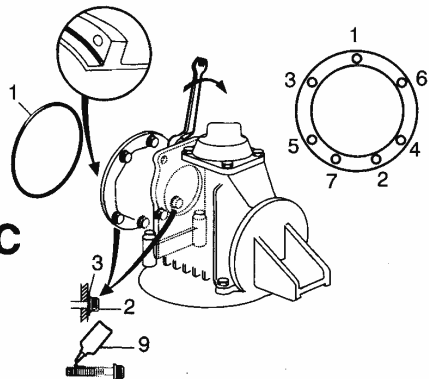
Alternative 2

MD7B
MD11D
MD17D



MD17D

MD5C



Alternative 1. For engines with a transmission housing that lacks an 0-ring chamfer

MID5C up to engine no 30348

MID1 1 D up to engine no 57099

IVID7B up to engine no 35024

MID1 7D up to engine no 18972

Use sealant no. 841261 in alternative 1.

1. Clean the mating surfaces.
2. Cut the tube nozzle off as illustrated in fig. (1). Spread a string of sealant on the centre section as in fig. (2) Note! the string must be intact all the way round. If the string has any gaps, oil leakage may occur. The sealant hardens after 0.5 hour, so installation must take place within this time
3. Install the drive on the engine.

MD5C. Use seven 12-point screws (L 22 mm) (3) and washers (4).

MD7B. Use five 12-point screws (L 50 mm) (5), 5 sleeves (L 28 mm) (6) washers (7), two 12- point screws (L 22 mm) (8) and two washers (9). Install the short screws without sleeves, please refer to the fig.

MD11D, MD17D. Use five 12-point screws (L 50 mm) (5), 5 sleeves (L25 mm) (6) five washers (7) two 12point screws(L 22 mm) (8) and two washers (9). Install the short screws without sleeves.

4. Apply locking fluid (Loctite) to the screw threads (10). Tighten the screws alternatively and evenly to 23 Nm (2,4 kpm) and immediately re-tighten to check that the correct torque has been applied. Re-tightening is necessary, since the locking fluid is viscous when compressed. Use a 10 mm ring spanner.

5. MD1 7D Lock the rear engine pads with 2 lock washers (11) each. Check that the washers have butted up.

Alternative 2. For engines with a transmission housing that has an 0-ring chamfer

MID5C up to engine no 30349

MID1 1 D up to engine no 57100

MD7B up to engine no 35025

MID1 7D up to engine no 18973

Only use O-ring 852632 in alternative 2.

1. Clean the mating surfaces.
2. Put the O-ring on the centre section, as in fig. (1).
3. Install the drive on the engine.

MD5C. Use seven 12-point screws (L 22 mm) (2) and seven washers (3).

MD7B. Use five 12-point screws (L 50 mm) (4), 5 sleeves (L 28 mm) (5) 5 washers (6) two 12-point screws (L 22 mm) (7) and washers (8). Install the short screws without sleeves.

MD1 1 D, MD17D. Use five 12-point screws (L 50 mm) (4), 5 sleeves (L 25 mm) (5) washers (6) two 12-point screws (L 22 mm) (7) and washers (8). Install the short screws without sleeves.

4 Apply locking fluid (Loctite) to the screw threads (9). Tighten the screws alternatively and evenly to 23 Nm (2,4 kpm) and immediately re-tighten to check that the correct torque has been applied. Use a 10 mm ring spanner.

5. MD1 7D. Lock the rear engine pads with 2 lock washers (10) each Check that the washers have butted up.