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Working instruction No. 1 for TN 873/12

A Installation of a filter for the primer valve

A 1: If a straight hose connector is installed at the lower end of the primer valve, the installation is quite simple:
You have only to remove the straight connector and replace it with the primer filter.

A 2: If a T-type hose connector is installed at the lower end of the primer valve, you have to perform the following work:

1. Remove the left hand (in sense of flight) drive belt cover.
2. Loosen the hose clamp which fixes the T-connector to the primer valve. Pull the T-connector out of the hose of the primer valve.
3. Remove the piece of Nylon tube from the T-connector..
4. Exchange the fuel line at the upper side of the primer valve with a longer line 300 mm long.
5. Disassemble the pipe clamp which holds the primer valve from the engine mount.
6. Drill a new hole dia. 5 mm for the clamp 50mm on top of the existing hole into the engine mount. Prior to drilling install a block of wood approx. 20mm thick between engine mount and drive belt. Be careful not to damage the drive belt!
7. Fix the primer valve with the pipe clamp and bolt M5x20 DIN 7984-8.8 zn and nut M5 LN9348 to the engine mount. Use a large washer 5,3 DIN 9021 Stzn on the inside of the engine mount underneath the nut.
8. Push the straight connector with filter 8M288/1 into the 8 mm hose of the primer valve and fix with the hose clamp. Install the 6mm hose which is already installed to the straight connector to the T-connector and fix with a hose clamp 8-12.
9. Install the drive belt cover again and secure with Loctite 243.

B Installation of a spring to the fuel line near the fuel-filter to prevent kinking the line

These instructions must be executed only if the filter is installed at the front mounting point of the spindle drive in the baggage compartment.

1. Retract the engine, shut the fuel cock.
2. Remove the fuel line from the right hand side (in sense of flight) of the fuel filter. Loosen the hose clamp sufficiently to pull off the fuel line.
3. Slide a spring VD-206 G-02 over the fuel line so far that the spring is located in the area where the fuel line is mostly bent to prevent the line from kinking.
4. Reassemble the hose.
5. Open the fuel cock.

Caution: Work carefully and make sure that no dirt enters the fuel system.

Material:

1. Primer filter 8M288/1 with hose dia. 6mm 40mm long installed
2. 6mm fuel hose with metal shielding 300mm long with red heat shrink tubing at both ends.
3. Hose clamp 8-12
4. Bolt M5x20 DIN 7984-8.8 zn
5. Nut M5 LN9348
6. Washer 5,3 DIN 9021 Stzn
7. Spring VD-206 G-02

Loctite 243, not contained in the retrofit kit

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