



**No.: 04 TS - 08**  
February 05, 2004

TO: All Distributors/Dealers and Their Branches  
U.S., Canada and Mexico

ATTN.: Service Managers

FROM: Evandro Silva

SUBJECT: **MBE4000 – Fuel Return Line at the Fuel Filter Housing – Sterling and Western Star Engine Models**

We are releasing an updated installation procedure for replacement of the banjo fitting on the fuel return line from the fuel filter housing to the tank at Sterling and Western Star Engine Models.

Attached to this letter you can find this new procedure for reference.

If you have any questions, please feel free to contact the Technical Support Team

Evandro Silva  
MBE4000 Technical Support



## Fuel Filter Return Line- Banjo Fitting Repair Procedure

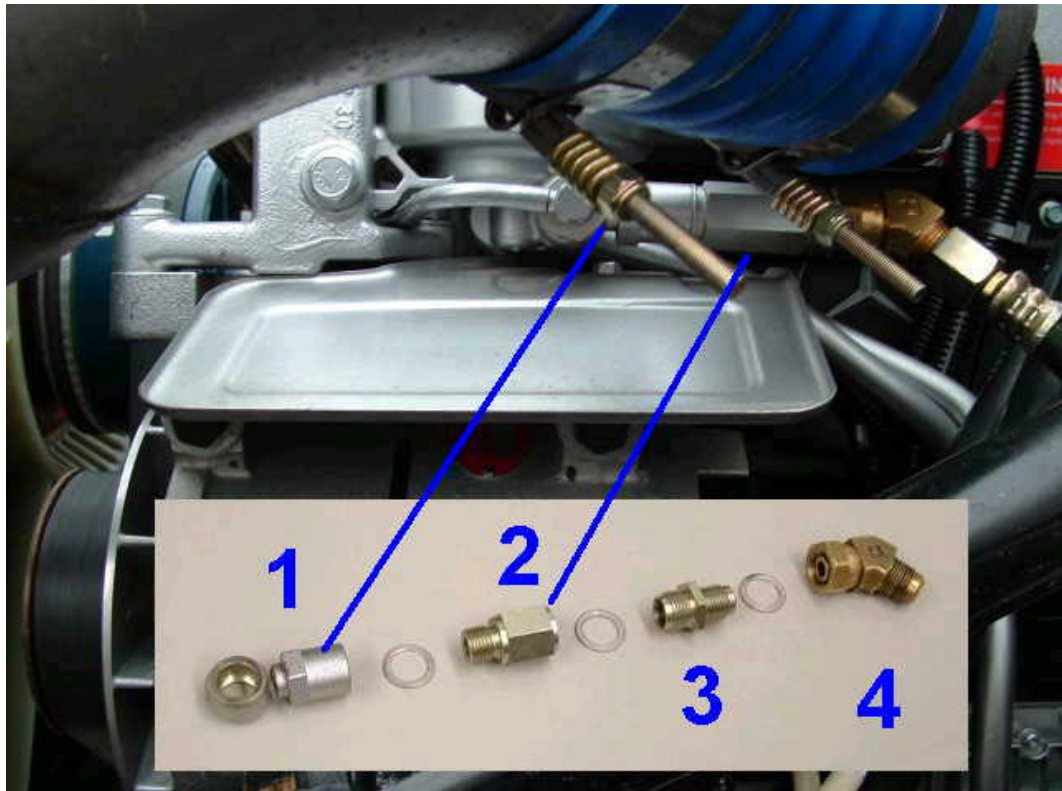
**NOTE:**

For additional safety precautions, refer to the MBE4000 Service Manual (6SE412) – General Information – page 15.

**CAUTION**

To avoid injury from fire, keep all potential ignition sources away from diesel fuel, open flames, sparks, and electrical resistance heating elements. Do not smoke when refueling.

1. Remove the banjo fitting (1) from the fuel filter housing.
2. Disconnect the banjo fitting (1) and extension (2) from the fuel return line.



1 – Banjo Fitting

2 – Extension

3 – Check valve

4 – 45-degree elbow

**Picture 1 – Original assembly and parts view**

3. Discard the banjo fitting (1), the extension (2) and the seal ring.

4. Install a new banjo fitting (1) and a new seal ring part # 000000001070:
  - Banjo bolt to the fuel filter housing torque: **35 Nm (25 lb.ft).**
  - Fuel spill line to the banjo torque: **15 Nm (11 lb.ft).**
5. Install the fuel return line connecting the check valve (3) to the banjo fitting (1). Tighten **40 Nm (30 lb.ft).**

**NOTE:**

**The 45 degree elbow 4 must be pointing towards outside. See picture 2 for details.**



**Picture 2 – New assembly and 45-degree elbow position**