

F.A.S. UNIT

In the following text the numbers in brackets refer to Fig. 12.

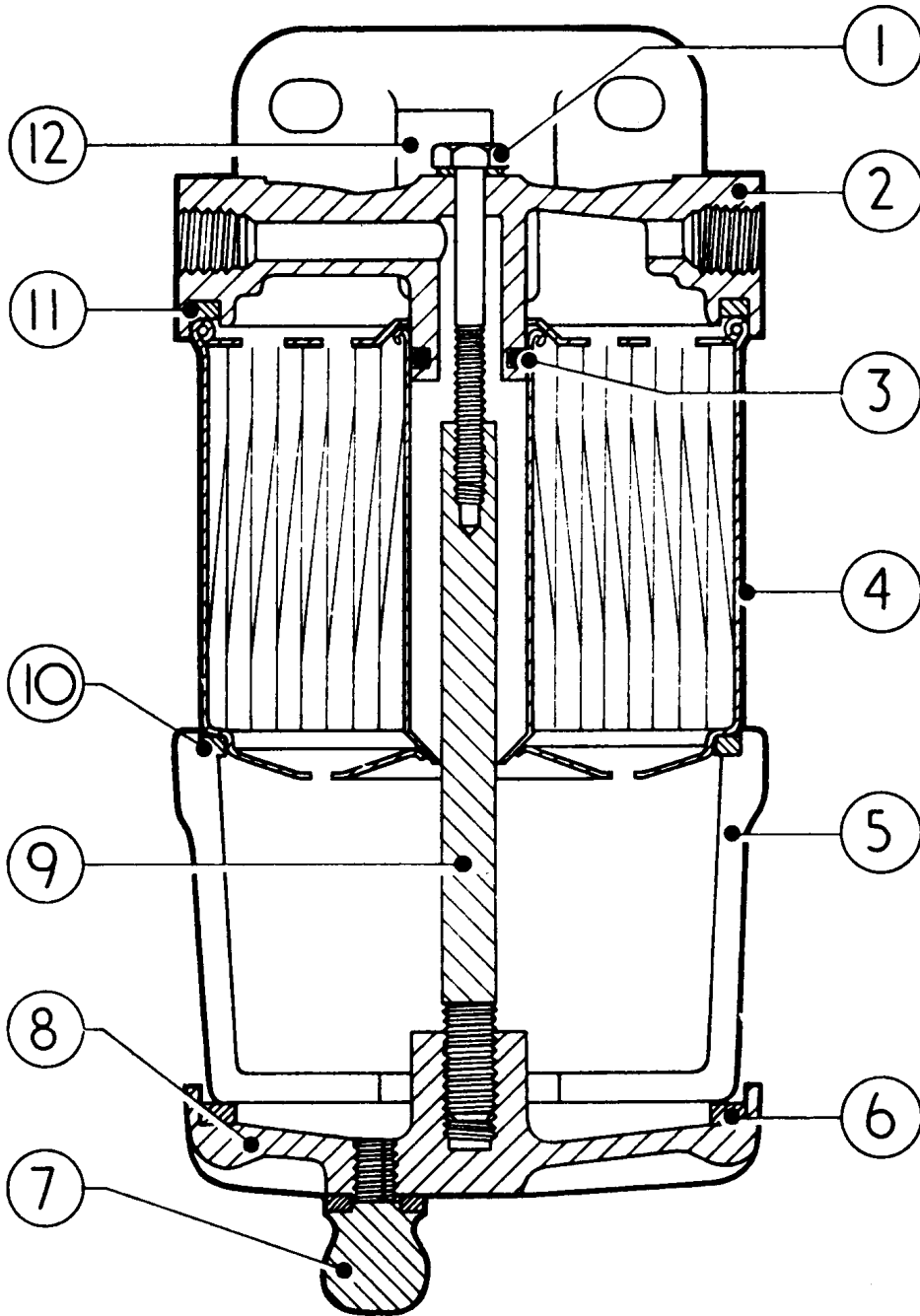
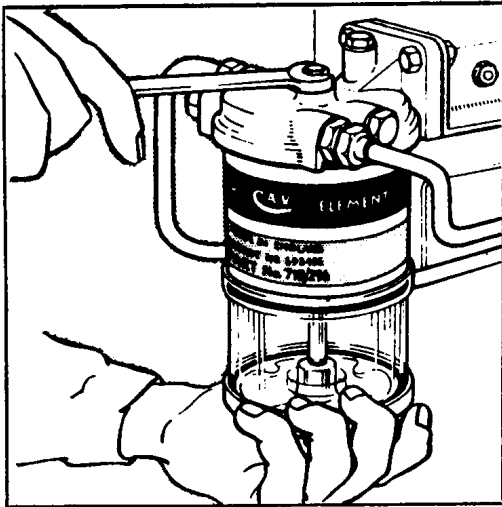
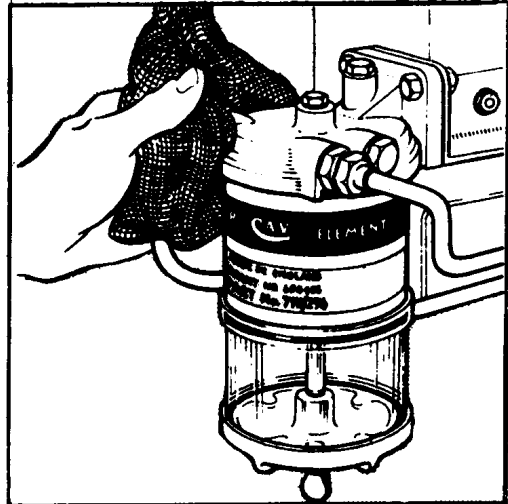


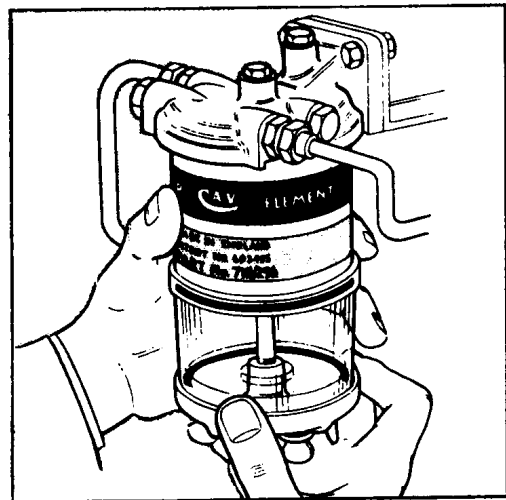
Fig. 12. Agglomerator, Type F.A.S. in section.

1. Clean off all external dirt from the unit before attempting to service. Unscrew the thumb-screw in the base and drain off accumulated water and sludge.

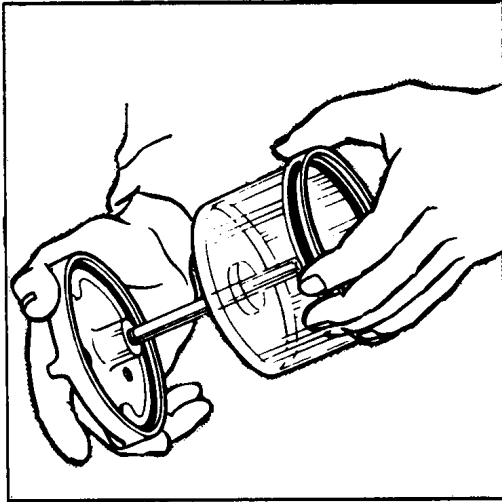


2. Unscrew the centre bolt (1) and at the same time hold the base of the unit to prevent it rotating.

3. Release the filter element (4) complete with glass bowl (5) and base (8) by pulling the element downwards and at the same time turning it slightly so that it comes free from the internal "O" ring (3).

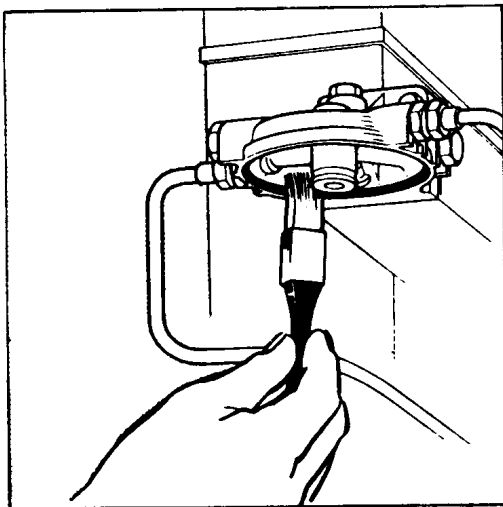
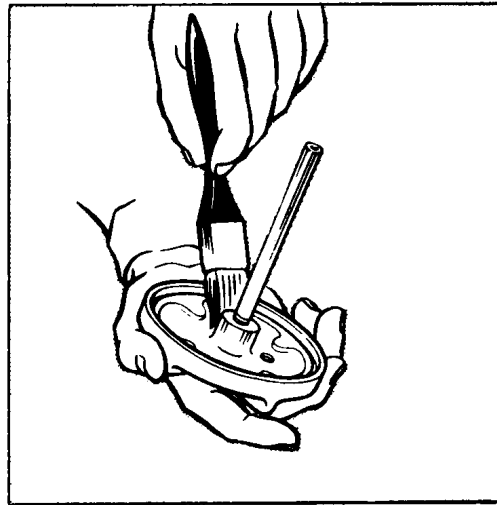


4. Detach and discard the element.



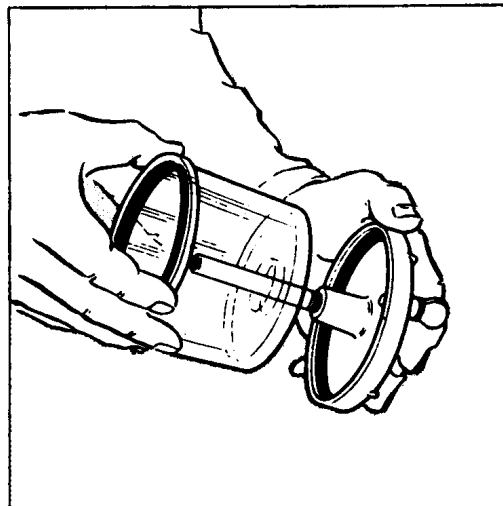
5. Separate the glass bowl (5) from the base (8). Detach and inspect the central sealing ring (10) and the lower sealing ring (6) for damage. Renew any imperfect ring.

6. Clean out the glass bowl and base. Complete the cleaning by rinsing with clean fuel oil.

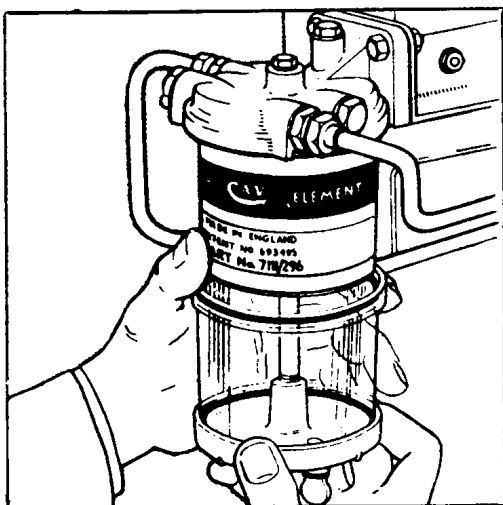
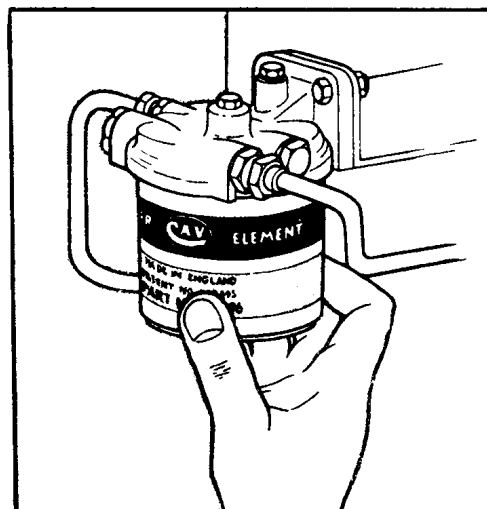


7. Clean the unit head and inspect the upper sealing ring (11) and "O" ring (3) for damage. Renew any imperfect sealing ring. Replacement sealing rings may be obtained from the suppliers of the filter element.

8. Assemble the base (8) and the glass bowl (5) after ensuring that the central (10) and lower (6) sealing rings are correctly positioned.



9. Check that the upper sealing ring (11) and the "O" ring (3) are correctly positioned in the head and fit the new element to the head. Turn the element slightly when fitting so that it slides easily over the "O" ring.



10. Offer up the assembled base and bowl to the head and element. Guide the centre stud through the centre tube of the element and engage it with the centre bolt. Make sure that the rims of the element, glass bowl and base are seating correctly before tightening the centre bolt. Do not overtighten the centre bolt in an attempt to cure leaks.

The bolt should be tightened to a figure of 6-8 lb ft torque (0.830-1.106 kg m). Replace and hand tighten drain thumb-screw.

Turn on the fuel and vent the system in accordance with the engine manufacturer's handbook and at the same time inspect the system for leaks. It is important that this operation be carefully carried out otherwise air trapped in the fuel supply side will prevent efficient working. If a handbook is not available proceed as follows:—

For systems fed by a fuel feed pump and with a gravity vent valve, pressure relief valve, or a permanent air vent orifice fitted to the F.A.S. unit, it is only necessary to operate the feed pump priming lever until air-free fuel oil appears from the vent plug.

If the SS unit is on the suction side of the feed pump do NOT vent this unit.

Twin F.A.S. units should be vented as follows:—

Series flow: Vent both filters at the same time.

Parallel flow: Vent each filter individually.

After venting the units the fuel injection pump must be vented.

NOTE:—Do not overtighten the centre bolt in an attempt to cure any leaks appearing at the sealing rings but dismantle the unit and examine the sealing faces and rings for damage. Overtightening the centre bolt beyond the recommended torque figure may permanently distort the base or filter element.

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