

AIR LINE FILTERS

Description

Two in-line air filters are fitted under the cab floor and a third inside the left hand chassis side member forward of the rear axle and adjacent to the quadruple charge protection valve.

The valve consists of a nylon filter secured in the airflow with a spring and retained in the valve body with a cover plate.

Maintenance

Check the cover plate securing nuts and pipe connections for looseness.

Remove the valve, clean the filter and check the cover sealing ring at the intervals recommended in the current maintenance schedule.

Air Leakage Test

Charge the system to governor valve cut-out pressure and stop the engine.

Coat the valve air connections and cover plate with soap solution, no leakage is permissible.

To Remove

Depressurise the system.

Thoroughly clean the air pipe connections.

Disconnect the air pipe connections and remove the valve.

To Dismantle

Clean the valve.

Remove the four nuts, washers and setscrews securing the cover plate. Remove plate and sealing ring.

Carefully remove the filter spring and filter.

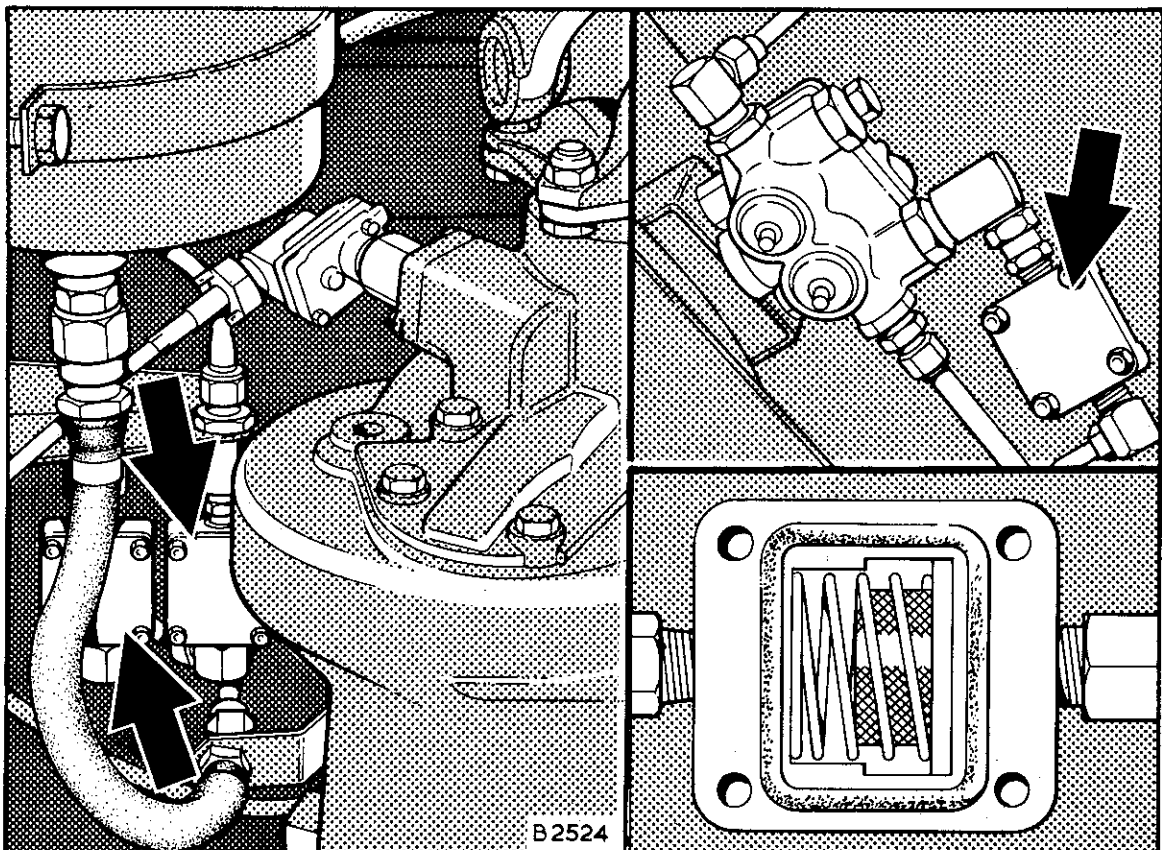


Fig. 1 Filter locations and sectional view

Inspection and Overhaul

Clean the filter in Genklene and blow dry.

Thoroughly clean the valve components.

Examine the threads for corrosion and damage.

Renew the cover plate sealing ring.

To Re-assemble

Carefully fit the filter and spring into the valve body.

Lightly smear the sealing ring with CDS 156 or Rocal E1A and fit to body.

Fit the cover plate and secure with four nuts, washers and setscrews.

To Refit

Position the valve according to air flow arrow and secure with air pipe connections.

Recharge the air system. Test the valve for air leaks.