

SB, 357, Automatic decompression valve, 2003-03

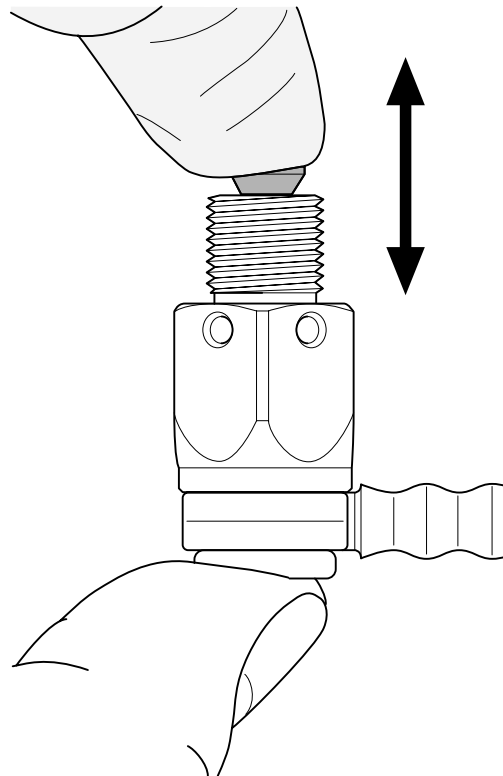
A fully automatic decompression valve has been introduced for model 357 to replace the previous manual decompression valve. The valve always remains open during starting and closes once the saw has started. This simplifies starting and reduces the effort required.

Operation:

When the engine is off the valve is held open by a spring. The decompression valve is connected to the crankcase by a hose and non-return valve. The decompression valve is actuated by the vacuum in the crankcase. When the engine starts, the vacuum in the crankcase causes the valve to close.

Troubleshooting:

- 1 Unscrew the decompression valve and check that the valve is free to move. If it does not move, clean it.

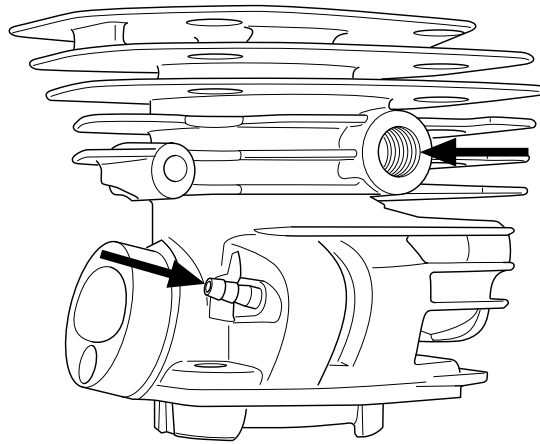


- 2 Check that the non-return valve only opens when there is vacuum in the crankcase. Test it at 0.2 bar using a pressure/vacuum gauge.
- 3 Check that the connections to the cylinder are not blocked.



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**Replacement parts:**

The automatic decompression valve can only be fitted to cylinders with a nipple (port for valve).

Replacement cylinder 537 24 85-02 includes a protective cap, 537 18 00-01. The cylinder can be used without a decompression valve if the plug and protective cap are fitted.

Engine tests:

In order to carry out a compression test on the crankcase the decompression valve must be removed and the cylinder must be plugged (see paragraph above).

Introduced from serial number: 357 031000348

New part no.	Description	Excl. part no.	Remark
537 12 68-03	Decompression valve assy.	503 71 53-01	
537 22 29-01	Screw		
537 11 32-03	Hose assy.		
537 09 61-01	Valve sleeve with non-return valve		
537 24 85-02	Cylinder assy.		
537 18 00-01	Protective cap		
503 55 22-01	Plug		
537 24 45-01	Hose clip		

