Technical Information

22.2006

STIHL Engine De-Carbonizer

STIHL Engine De-Carbonizer is a newly developed product for easily removing deposits of ash and carbon from the combustion chambers of mixture lubricated 2-stroke and 4-stroke cycle engines.

Ash deposits or combustion residue are often the reason for a loss of compression and engine power.

Product Properties

STIHL Engine De-Carbonizer dissolves ash deposits that are created from the combustion of oil additives.

Packaging unit

STIHL Engine De-Carbonizer is available in the following size of pack:

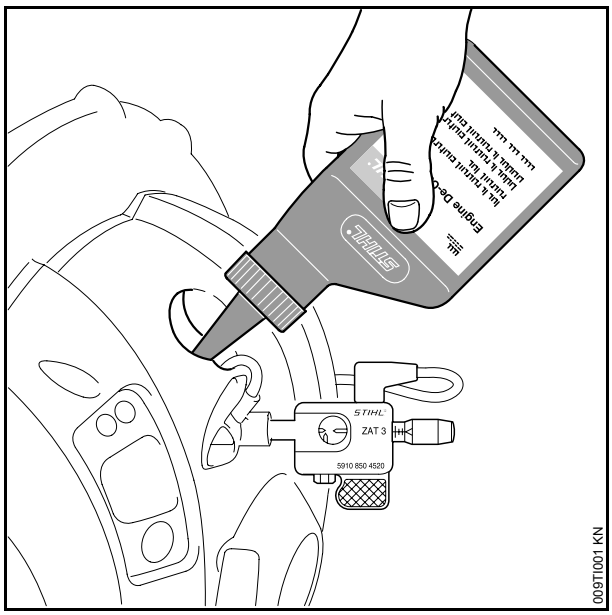
Size of pack	Part #
8 US fl.oz. bottle, 6 per carton	0781 313 8019

Application

Effectiveness is increased if the engine is warm. Wear safety glasses when handling de-carbonizer.

The illustrations show the procedure on a STIHL BR 500 (as an example).

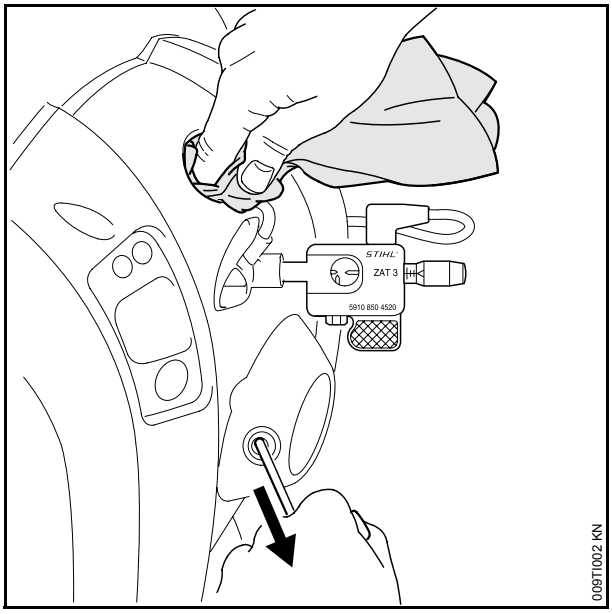
- Move slide control / Master Control lever / stop switch to **STOP** or **0** [1)]
- Unscrew and remove the spark plug.
- Set piston to TDC (on 4-stroke engines: TDC between exhaust and intake strokes – “valve overlap”).



- Completely fill the combustion chamber with STIHL Engine De-Carbonizer through the spark plug hole.
- Let the fluid soak for one hour.

Removing the fluid:

- Hold absorbent cloth or paper against the spark plug hole and pull the starter rope several times. Make sure stop switch is off and spark plug wire is grounded.



- Install new spark plug
- Perform test run
- Check the spark plug – clean if necessary

Only trained personnel should use STIHL Engine De-Carbonizer.

As with other cleaning aids used in the repair shop (e.g. oily cleaning cloths), dirty paper and cloths used together with STIHL Engine De-Carbonizer may be disposed of in accordance with local regulations.

[1)] To discharge firing voltage on models BR 500, 550, 600, connect the ZAT 3 ignition system tester to the spark plug boot – attach ground terminal to muffler (see TI 08.2005 or BR 500, 550, 600 shop manual)

Technical Documentation
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