



Bulletin No: SB2003-09

Category: STEINER

Section:

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Machine/s: ZTM 200

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Type: Product Information

TO: All Steiner Dealers

SUBJECT: Exhaust Smoke on 17.5HP ZTR

ISSUE:

We have received reports of smoke coming from engine exhaust on model 442280 ZTM200 while operated under high load on uneven terrain. We have identified two conditions that contribute to this problem:

- 1) The choke may not be fully open during operation.
- 2) The oil level in the crankcase may be too high for this operating condition.

CORRECTION:

The color of the smoke will indicate whether the problem is choke related or oil related. Use the following procedures after determining the source of the problem.

If black smoke:

- 1) Inspect air intake system for restrictions; clean or replace the air filter.
- 2) Inspect sparkplug for fouling; replace if required.
- 3) Inspect choke for proper operation; adjust so plate is completely open when choke is off.
- 4) Ensure the governor lever does not bump against the choke link under full throttle settings.

If blue or white smoke:

- 1) Check oil level on dipstick.
- 2) If oil is above full mark on dipstick, drain excess oil down to full mark, then re-test unit. This may resolve many complaints on units operated under borderline terrain conditions.
- 3) If problem persists, order from an authorized Briggs and Stratton Dealer and install dipstick p/n **699908**, which provides for a slightly lower oil level at the full mark. This is a safe oil level for the engine and should resolve any remaining complaints for those units operated under the conditions noted above.

AFFECTED SERIAL NUMBERS:

All 442280 serial numbers.

WARRANTY:

This bulletin is for information purposes only. If you have any questions, please contact your Briggs & Stratton Central Sales and Service Distributor and refer to Central Bulletin #2003-6.

CustomerOne™ Product Support

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