



STIHL

BR 800 FAN WHEEL INSPECTION AND REPLACEMENT INSTRUCTIONS

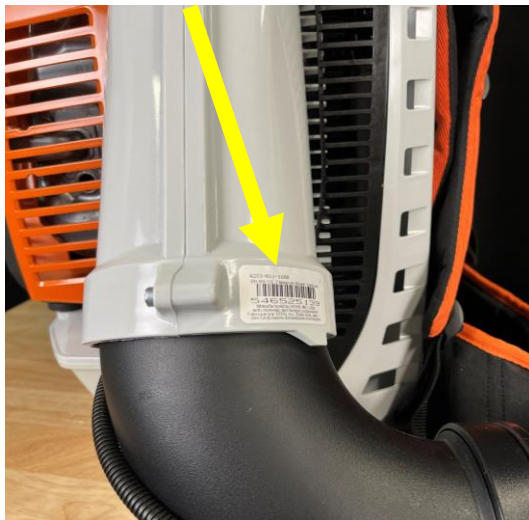
STIHL Incorporated Service and Support
October 1, 2025

Serial numbers requiring inspection / rework

Models: BR 800 X and BR 800 C-E

Serial number range: 546515117 to 547916107

Serial Number Location



**Machine has not been inspected -
proceed with inspection**



**Machine has been inspected -
no inspection necessary**



The serial number can be found on the blower housing outlet

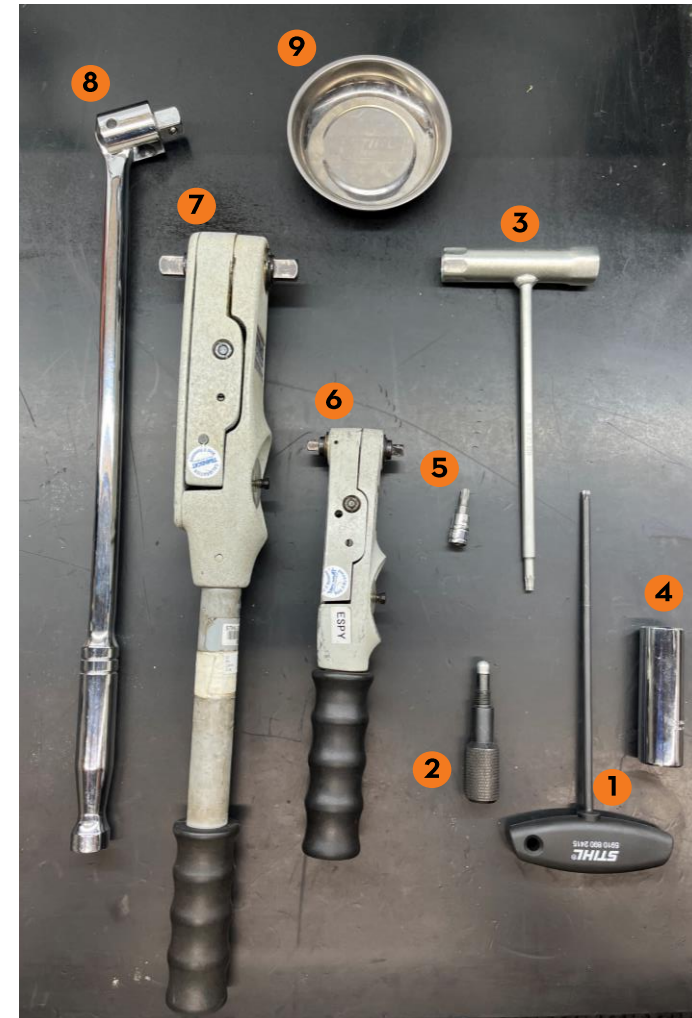
**If the serial number tag does not have a black dot at the end of the serial number,
continue with inspection / rework**

**If there is a black dot next to the serial number, the machine has already been
inspected and may be sold**

Tools needed for inspection / rework



1. T27 T-handle driver
2. Locking screw - 4282-890-2700
3. Combination wrench for 10 mm spark plug
4. 18 mm deep socket
5. T27 1/4" socket
6. 1/4" Torque wrench
7. 1/2" Torque wrench
8. 1/2" Breaker bar
9. Magnetic pan

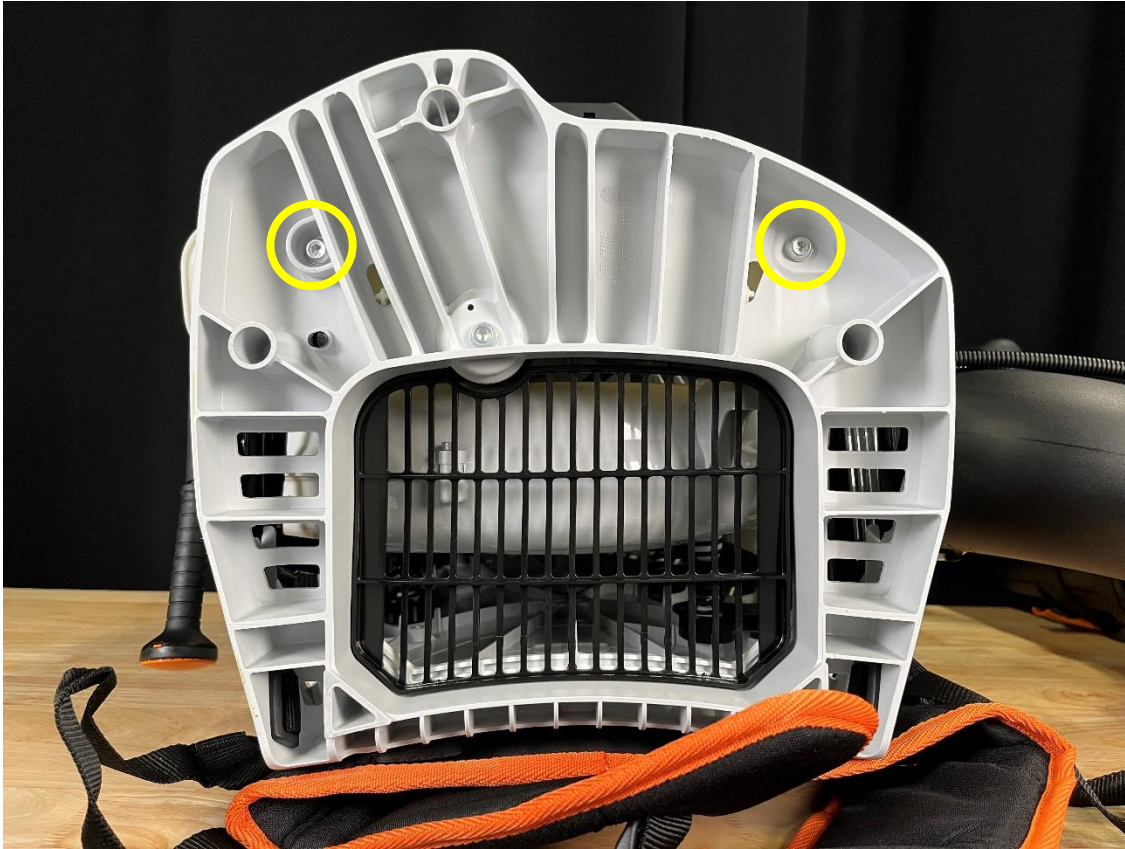


Step 1. Remove machine from box; if customer unit, drain fuel

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Step 2. Remove the 2x fuel tank screws and set tank aside

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Step 3. Remove the 10x outer housing screws

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Step 4. Tilt the housing away to access the fan wheel

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Step 5. Inspect the fan wheel visually and by touch for defects

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If the fan wheel inner and outer rim have smooth, uniform surfaces, skip to Step 12



This is an example of a smooth, uniform fan wheel inner and outer rim



These are examples of out of specification fan wheel inner and outer rims - fan wheel needs to be replaced, continue to Step 6

Step 6. Remove the spark plug access panel, spark plug boot, and spark plug

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Step 7. Install the locking screw, 4282-890-2700, into the spark plug hole

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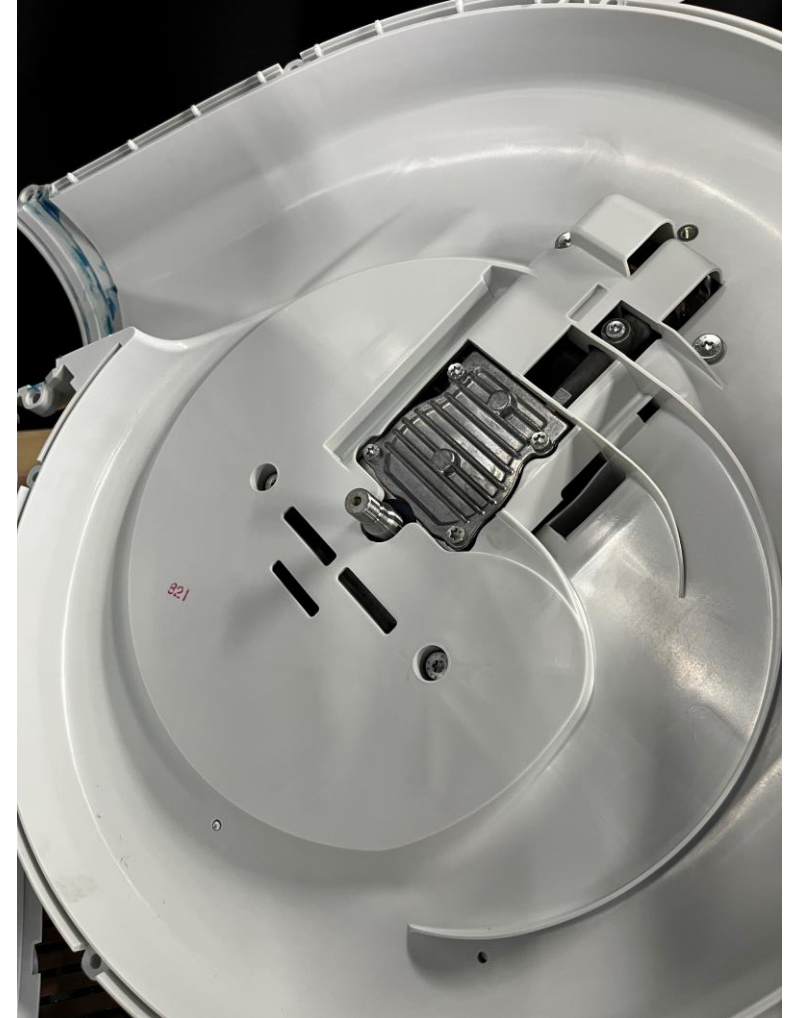


Step 8. Lay the unit on its front, using an 18 mm deep socket and breaker bar remove the fan wheel hex nut (counterclockwise)

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Step 9. Remove the hex nut and fan wheel

Note: For demonstration purposes; the fan wheel in these images would not need replacement

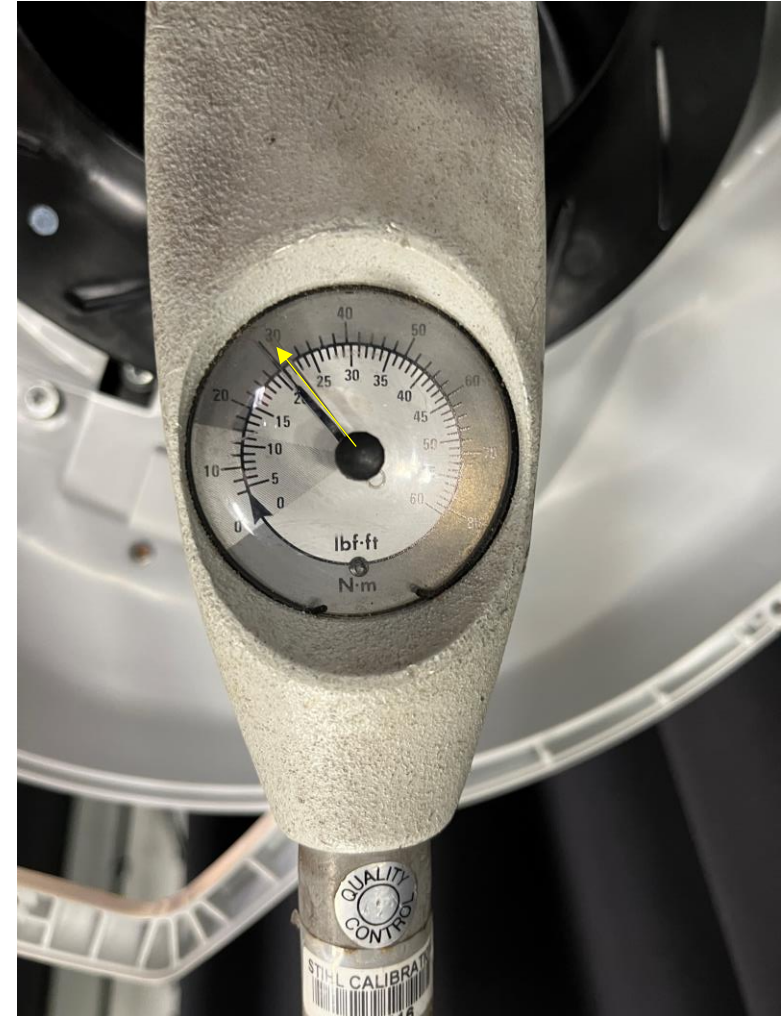


After removal, ensure the fan wheel bore and crankshaft taper are clean and oil free

Step 10. Install the new fan wheel and hex nut, and torque the nut to 30 Nm



Ensure the fan wheel bore and crankshaft taper are clean and oil free before installing the new fan wheel



Step 11. Remove the locking screw from the spark plug hole, and install the spark plug, boot, and access panel

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Torque the spark plug to 15 Nm

Step 12. Reinstall the outer blower housing with the 10 screws

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Torque the 9x screws to 4 Nm and the 1x spline screw/hex nut to 2 Nm

Step 13. Lay the unit on its back and install the fuel tank with the 2 screws



Torque the 2x screws to 6 Nm

Step 14. Mark serial number label



Using a permanent marker, add a black dot to the end of the serial number on the unit



