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**SureFit 504-00595**

# SureFit Muffler Instruction Manual

Model: 504-00595

## 1. PRODUCT OVERVIEW

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This SureFit replacement muffler is designed to reduce engine noise and direct exhaust gases away from the operator on various horizontal mower engines. It is a direct replacement part engineered for compatibility and performance.



Figure 1: Top view of the SureFit muffler, featuring a perforated design for exhaust gas dispersion.

## 2. COMPATIBILITY

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This SureFit muffler is compatible with a wide range of Briggs & Stratton and Kohler horizontal mower engines. Please verify your engine model number against the list below to ensure proper fitment.

### 2.1. Compatible Briggs & Stratton Engines:

- 191401, 191431, 191434, 191451, 191461
- 193401, 193402, 193404, 193431, 193432, 193451
- 200401, 200402, 200404, 200411, 200414, 200431, 200432, 200451, 200452
- 233401, 233404, 233411, 233431, 233432, 233434, 233451, 233452, 233454, 233461
- 243431, 243432, 243434, 243436, 243437, 243451, 243452, 243457
- 300421, 300424, 301431, 301434, 302431, 302432, 302437
- 325431, 325434, 325435, 325437

### 2.2. Compatible Kohler Engines:

- M10-M20, K241-K321, K532-K582
- CH11-CH18 engines

### 2.3. Replaces OEM Part Numbers:

- **Briggs & Stratton:** 299477, 299477S, 392989, 393232, 393232S
- **Kohler:** 236649, 275679, 275679-S, 275679S
- **Tecumseh:** 32043A, 32043B

## 3. SAFETY INFORMATION

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**WARNING: Always ensure the engine is turned off and completely cooled before attempting any installation or maintenance. Hot engine components can cause severe burns. Wear appropriate personal protective equipment, including gloves and eye protection.**

- Ensure proper ventilation when working on engines.
- Keep hands and clothing clear of moving parts.
- Dispose of old parts responsibly.
- If you are unsure about any step, consult a qualified technician.

## 4. INSTALLATION GUIDE

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Follow these steps to replace your engine's muffler. Tools required may include a wrench or socket set.

1. **Preparation:** Turn off the engine and allow it to cool completely. This is critical to prevent burns.
2. **Locate Old Muffler:** Identify the existing muffler on your engine. It is typically connected to the exhaust port.
3. **Remove Old Muffler:** Using an appropriate wrench, carefully loosen and remove the old muffler. Be aware that older mufflers may be rusted or seized, requiring additional effort or penetrating oil.
4. **Inspect Exhaust Port:** Clean any debris or old gasket material from the engine's exhaust port threads.
5. **Install New Muffler:** Thread the new SureFit muffler onto the exhaust port by hand to ensure it starts correctly and is not cross-threaded.
6. **Tighten Securely:** Use a wrench to tighten the muffler firmly. Do not overtighten, as this can damage the threads on the engine or muffler.
7. **Final Check:** Ensure the muffler is securely attached and there are no loose connections.



Figure 2: Bottom view of the SureFit muffler, highlighting the threaded connection point for installation.

## 5. OPERATING CONSIDERATIONS

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After installing the new muffler, start the engine and listen for any unusual noises or exhaust leaks. A properly installed muffler will significantly reduce engine noise and direct exhaust gases safely.

- Allow the engine to run for a few minutes to reach operating temperature and check for any exhaust leaks around the muffler connection.
- If leaks are detected, turn off the engine, allow it to cool, and re-tighten the muffler.

## 6. MAINTENANCE

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Regular inspection of your muffler can help ensure its longevity and proper function.

- Periodically check the muffler for cracks, holes, or excessive rust.
- Ensure the muffler remains securely tightened to the engine's exhaust port.
- Clean any accumulated debris from around the muffler to prevent overheating.

## 7. TROUBLESHOOTING

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### 7.1. Excessive Noise After Installation:

- **Possible Cause:** Loose connection or exhaust leak.
- **Solution:** Turn off engine, allow to cool, and re-tighten the muffler. Inspect for any visible gaps or damage to the muffler or exhaust port.

### 7.2. Muffler Not Threading On:

- **Possible Cause:** Cross-threading or damaged threads on engine/muffler.
- **Solution:** Ensure the muffler is aligned perfectly straight before attempting to thread. Do not force it. If threads are damaged, professional repair may be necessary.

## 8. SPECIFICATIONS

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Attribute	Value
Brand	SureFit
Item Model Number	504-00595
Product Dimensions (L x W x H)	7 x 7 x 7 inches
Item Weight	7.3 ounces
Shape	Round
Vehicle Service Type	Lawn Mower
UPC	889021155223



Figure 3: Angled view of the SureFit muffler, showcasing its overall design.

## 9. WARRANTY AND SUPPORT

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For specific warranty information or technical support regarding your SureFit muffler, please contact the manufacturer or the seller directly. Keep your purchase receipt as proof of purchase.

You can often find contact information on the product packaging or the manufacturer's official website.