

Yoshimura 110-458-5450

Yoshimura Slip-On Exhaust System User Manual

Model: 110-458-5450

For Honda CB400SF/SB Revo (08-13), CB400SF (14-22), CB400SB (14-22)

1. INTRODUCTION

This document provides essential information for the proper installation, operation, and maintenance of your Yoshimura Slip-On Exhaust System. This system is designed to offer powerful response and a deep sound, while complying with new exhaust gas regulations due to an integrated catalyst in the tailpipe. Please read this manual thoroughly before installation and use to ensure safety and optimal performance.

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. This product is a government-certified muffler. Adhere to all local regulations regarding vehicle modifications.

- Ensure the engine is cool before beginning installation to prevent burns.
- Wear appropriate personal protective equipment, including gloves and eye protection.
- Perform all work in a well-ventilated area.
- Refer to your motorcycle's service manual for specific torque specifications and procedures.
- After installation, check for any exhaust leaks and ensure all fasteners are securely tightened.

Important Note: The use of the genuine optional center stand is possible with this product.

3. PRODUCT OVERVIEW AND FEATURES

The Yoshimura Slip-On Exhaust System is engineered to enhance your motorcycle's performance and acoustic profile. Key features include:

- **Enhanced Performance:** Designed for powerful engine response.
- **Distinctive Sound:** Delivers a deep and resonant exhaust note.
- **Government Certified:** Complies with exhaust gas regulations, including a catalyst in the tailpipe.
- **Material:** Constructed with durable stainless steel for the tailpipe and silencer.
- **Compatibility:** Compatible with Honda CB400SF/SB Revo models from 2008-2013 and CB400SF/SB models from 2014-2022.



Figure 3.1: Yoshimura Slip-On Exhaust System (Stainless Steel) installed on a Honda CB400SF.



Figure 3.2: Detail of the exhaust pipe, featuring "High Flow Magic" engraving, indicating advanced flow design.



Figure 3.3: The Yoshimura Slip-On exhaust silencer, showcasing its stainless steel construction and design.

4. INSTALLATION

The Yoshimura Slip-On Exhaust System is designed for straightforward installation. It replaces only the rear section of the exhaust, making the process simpler than a full system replacement.

4.1 Pre-Installation Checks

- Verify all components are present and undamaged according to the packing list.
- Ensure your motorcycle is on a stable stand and the engine is completely cool.
- Gather necessary tools (wrenches, sockets, torque wrench, etc.).

4.2 Installation Steps

1. Loosen and remove the bolts securing the stock muffler to the exhaust pipe and the hanger bracket.
2. Carefully remove the stock muffler.
3. Position the new Yoshimura slip-on muffler, aligning it with the existing exhaust pipe and hanger bracket.
4. Secure the slip-on muffler to the exhaust pipe and the hanger bracket using the provided hardware. Do not fully tighten yet.
5. Adjust the muffler's position for optimal alignment and clearance.
6. Once aligned, tighten all bolts to the manufacturer's specified torque settings.
7. **Note:** A gasket is not required for this installation.

4.3 Post-Installation Check

- Start the engine and check for any exhaust leaks, especially at the connection points.

- Listen for any unusual noises.
- Allow the engine to reach operating temperature, then shut it off and re-check all fasteners for tightness after the system has cooled.

5. OPERATING CHARACTERISTICS

The Yoshimura Slip-On Exhaust System is designed to provide a noticeable improvement in both sound and engine response. The deep, rich tone is a characteristic of Yoshimura's engineering. The system is government-certified, ensuring compliance with noise and emission standards for street use.

HONDA CB400SF 2018 Dyno Test

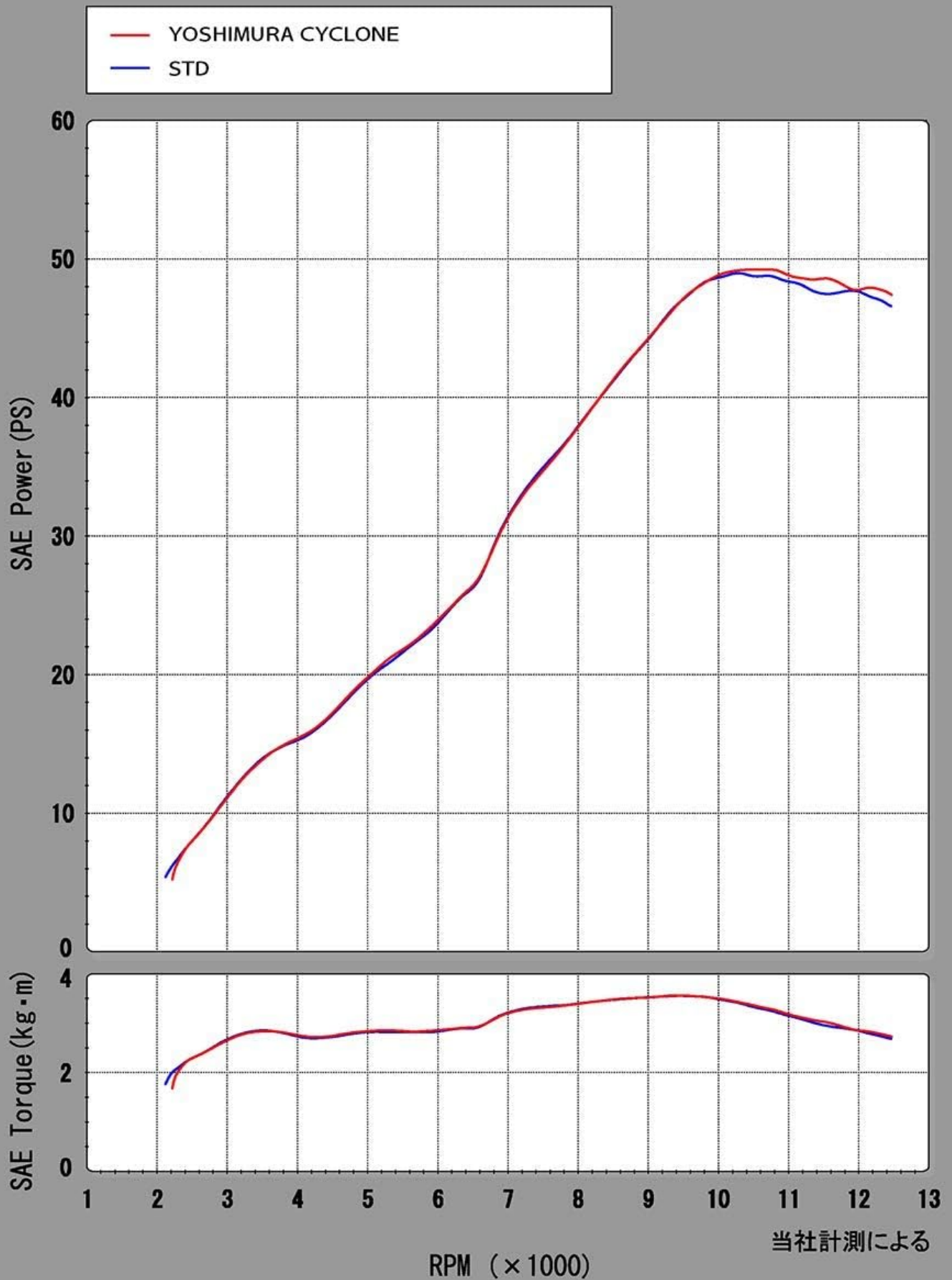


Figure 5.1: Dyno test results for Honda CB400SF (2018 model) comparing Yoshimura Cyclone exhaust performance against the standard (STD) exhaust, showing power (PS) and torque (kg·m) across RPM range.

6. MAINTENANCE

Proper maintenance will ensure the longevity and continued performance of your Yoshimura exhaust system.

- **Regular Cleaning:** Clean the exhaust system regularly with mild soap and water to remove dirt, grime, and road salt. Avoid abrasive cleaners or harsh chemicals that can damage the finish.
- **Inspection:** Periodically inspect the exhaust system for any signs of damage, cracks, loose fasteners, or discoloration. Address any issues promptly.
- **Fastener Check:** Re-check the tightness of all mounting bolts and clamps periodically, especially after the first few rides, as heat cycles can cause fasteners to loosen.
- **Oil and Filter Changes:** This exhaust system allows for both oil and oil filter changes without removal.

7. TROUBLESHOOTING

If you encounter any issues with your Yoshimura Slip-On Exhaust System, consider the following common troubleshooting steps:

- **Exhaust Leaks:** If you detect exhaust leaks (often indicated by a puffing sound or black soot around joints), re-check the tightness of all clamps and bolts. Ensure the connection points are clean and properly seated.
- **Unusual Noises:** Rattling or buzzing sounds may indicate loose components. Inspect all mounting hardware and ensure nothing is vibrating against the exhaust system or motorcycle frame.
- **Performance Issues:** While unlikely with a slip-on, if you experience significant performance degradation, ensure the installation is correct and there are no leaks. Consult a qualified mechanic if issues persist.

For further assistance, please contact Yoshimura customer support.

8. SPECIFICATIONS

Model Name	110-458-5450
Brand	Yoshimura
Vehicle Model	EBL-NC42 ('08-'13) / 2BL-NC42 (CB400SB: '14-'22, CB400SF: '14-'22)
Engine Model	NC42E
Exhaust Pipe / Collector	- (Slip-on system, uses stock collector)
Tailpipe Material	Stainless Steel
Silencer Material	Stainless Steel
Government Certified	Yes (Exhaust Gas Test Result Certificate Included)
Proximity Exhaust Noise	91 dB
Acceleration Noise	81 dB
Gasket Required	No
Oil Change Possible	Yes
Oil Filter Change Possible	Yes
Product Weight	3.42 kg (7.54 pounds)

Package Dimensions	68.8 x 18 x 15.1 cm
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9. WARRANTY AND SUPPORT

Yoshimura Muffler 2-Year Warranty: All JMCA compliant Yoshimura exhaust systems (excluding racing cyclons) come with a quality warranty. If a defect occurs within two years of purchase under normal use, following the precautions in the instruction manual, repairs will be performed free of charge.

Important: Warranty service will not be provided for mufflers that have been illegally modified.

For customer support or warranty claims, please contact your authorized Yoshimura dealer or visit the official Yoshimura website for contact information.

Official Yoshimura Japan Website: www.yoshimura-jp.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question