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Vance & Hines #16831

Vance & Hines Straightshots HS Slip-ons User Manual

Model: #16831 | For 2007-2014 Harley-Davidson Softail Motorcycles

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Vance & Hines Straightshots HS Slip-ons. Please read this manual thoroughly before beginning installation to ensure proper fitment and optimal performance. Retain this manual for future reference.

SAFETY PRECAUTIONS

- Always wear appropriate safety gear, including eye protection and gloves, during installation.
- Ensure the motorcycle is stable and cool before working on the exhaust system.
- Exhaust components can become extremely hot. Allow sufficient time for cooling before handling.
- Refer to your motorcycle's service manual for specific torque specifications and additional safety guidelines.

PACKAGE CONTENTS

Verify all components are present before beginning installation:

- Vance & Hines Straightshots HS Slip-on Mufflers (2)
- Mounting Hardware Kit
- Installation Instructions (this manual)

SETUP AND INSTALLATION

Tools Required:

- Socket Wrench Set
- Torque Wrench
- Pliers
- Penetrating Oil (optional)

Installation Steps:

1. **Prepare the Motorcycle:** Ensure the motorcycle is on a stable stand and the exhaust system is cool to the touch. Disconnect the negative battery cable.
2. **Remove Stock Mufflers:**
Locate and loosen the muffler clamps connecting the stock mufflers to the head pipes. Remove any mounting bolts securing the mufflers to the frame. Carefully slide the stock mufflers off the head pipes.



Image: Rear view of a Harley-Davidson Softail motorcycle, showcasing the installed Vance & Hines Straightshots HS Slip-ons. Note the chrome finish and the sleek design integrated with the bike's aesthetic.

3. **Install New Slip-ons:**
Slide the new Vance & Hines Straightshots HS Slip-ons onto the head pipes. Ensure a snug fit. Align the mounting brackets with the frame mounting points.
4. **Secure Mounting Hardware:**
Install the provided mounting bolts and washers, but do not fully tighten them yet. Ensure the mufflers are properly aligned and level.
5. **Tighten Clamps and Bolts:**
Once aligned, tighten the muffler clamps to the manufacturer's specified torque. Then, tighten the mounting bolts to the frame. Refer to your motorcycle's service manual for specific torque values.
6. **Final Checks:**
Double-check all connections and bolts to ensure they are secure. Reconnect the negative battery cable.

OPERATING CONSIDERATIONS

After installation, start the motorcycle and allow it to idle for a few minutes. Listen for any exhaust leaks. It is normal for

new exhaust systems to emit a slight odor and smoke during the first few heat cycles as manufacturing oils burn off. The exhaust note may change slightly over the first few hundred miles as the system breaks in.

These slip-ons are designed to enhance the sound and performance of your motorcycle. Always adhere to local noise regulations.

MAINTENANCE

Proper maintenance will ensure the longevity and appearance of your Vance & Hines Straightshots HS Slip-ons.

- **Cleaning:** Clean the chrome finish regularly with a non-abrasive chrome cleaner and a soft cloth. Avoid harsh chemicals or abrasive pads that can scratch the finish.
- **Inspection:** Periodically inspect all mounting hardware and clamps for tightness. Vibrations from motorcycle operation can cause fasteners to loosen over time.
- **Heat Discoloration:** Blueing or golding of chrome exhaust pipes is a natural occurrence due to extreme heat. This is not a defect and can be minimized with proper engine tuning and by avoiding prolonged idling.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Exhaust Leak	Loose clamps or improper seating.	Check and tighten all clamps and mounting bolts. Ensure slip-ons are fully seated on head pipes.
Excessive Noise	Baffles not installed or damaged.	Verify baffles are correctly installed. If damaged, contact Vance & Hines for replacement.
Discoloration (Blueing/Golding)	Normal heat effect; rich/lean fuel mixture.	This is often normal. For severe cases, consult a qualified mechanic to check engine tuning.

SPECIFICATIONS

- **Product Name:** Straightshots HS Slip-ons
- **Part Number:** #16831
- **Material:** High-quality Steel, Chrome Plated
- **Compatibility:** 2007-2014 Harley-Davidson Softail Models
- **Finish:** Show Chrome

WARRANTY INFORMATION

Vance & Hines products are warranted against defects in material and workmanship for a period of 90 days from the date of purchase. This warranty does not cover discoloration or rust. For full warranty details and claims, please visit the official Vance & Hines website or contact their customer support.

Note: Altering or modifying the exhaust system may void the warranty.

SUPPORT AND CONTACT

For technical assistance, parts inquiries, or further support, please contact Vance & Hines customer service:

- **Website:** www.vanceandhines.com
- **Phone:** Refer to the website for current contact numbers.

- **Email:** Refer to the website for current email contact.

When contacting support, please have your product model number (#16831) and purchase date available.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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