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٠ **ITEMS SUPPLIED** Qty Description Front Header 1 Rear Header 1 Front Heat Shield 1 Rear Heat Shield 1 Mounting Bracket 1 Hardware Kit 1

PLEASE NOTE Our warranty applies only when the system is installed correctly and used for its intended purpose. Warranty does not apply when damage is the result of normal wear and tear, improper use, neglect or incorrect engine configuration. Please inspect *PRIOR* to installation. See warranty notice in box for

TUNING

more information.

Adjustment of fuel injection is REQUIRED to optimize performance and minimize chrome discoloration. We recommend that adjustment of fuel injection be performed by QUALIFIED technicians on a dynamometer utilizing an Exhaust Gas Analyzer.

HARLEY DAVIDSON M8 Softail 2-into-2 EXHAUST SYSTEM

Thank you for buying a RINEHART exhaust system. We are committed to providing you a quality product that with the proper installation and care will last you for many years to come.

Please be sure to read the instructions fully and inspect all components of your new system before installation. If you do not have an understanding of how to remove your stock system, or how to install the RINEHART exhaust system you should seek the advice and/or skill of a professional mechanic. Please keep all OEM parts as some may be used for the installation of the RINEHART exhaust system. If you are installing the system and are not the owner, please return these instructions to the owner as they contain important information that may be required at a later date.

If you have questions pertaining to the installation, please contact our technical service department: 1.877.264.8282 or visit www.rinehartracing.com.

Exhaust systems manufactured by Rinehart Racing are non-catalyst. A stock catalyst exhaust system cannot be replaced with a non-catalyst exhaust system. Please verify the application with your dealer before purchase.

INSTALLATION INSTRUCTIONS

- 1. Start by unplugging the rear OEM O2 sensor. Feed wire through frame. Note the wire routing it will be reinstalled later.
- 2. Unplug the front OEM O2 sensor.

Installation

Instructions

- 3. On all models with floor boards, remove the floor board mounting bolts. This will provide better access to the exhaust system.
- 4. Remove the OEM exhaust system along with the stock rear mounting bracket.
- 5. Remove the OEM exhaust flanges and cir-clips. Be careful as both the exhaust flanges and the cir-clips will be reused (replace damaged cir-clips).
- 6. Install the OEM exhaust flanges and cir-clips on Rinehart system.
 - 7. Install the new mounting bracket under the transmission side cover, on wide tire models the 2- 1/4" spacers and longer bolts will be required place the spacers between the bracket and the transmission. Install bracket before mounting headers.
- 8. If applicable, remove OEM O2 sensors from the front and rear OEM exhaust and install in your new system. Bung adaptors are supplied for use with 12mm sensors. Hint: apply a small amount of anti-seize to the threads on the sensors before installing. Torque to 30ft. lbs.
- 9. Remove the OEM gaskets and install exhaust gaskets.
- 10. Install the front header and (2) OEM flange nuts finger tight.
- 11. Slide (2) 5/16-18 x ³/₄" bolts (supplied) into the mount tab on rear of pipe. Align bolts with mounting bracket. Insert bolts through the bracket and install 5/16" flat washers and 5/16" Nylok nuts (supplied) finger tight.
- 12. If applicable, re-connect the front and rear O2 sensors and zip tie away from engine.
- 13. Install rear header and (2) OEM flange nuts finger tight.
- 14. Align both pipes so they are parallel with each other and tighten the flange nuts first (torque 8-10 ft lbs.) and then tighten the 5/16-18 Nylok Nuts (torque 13-15ft. lbs.) in the rear mounting bracket.
- 15. Install heat shield clamps (supplied) in both front and rear heat shields. Install heat shields and tighten all heat shield clamps. Be sure to position the clamps so the bolts are hidden from view.
- 16. On models with floorboards use the ½ "spacers and longer bolts to move floorboard out away from the heatshield. Models with Mid controls (HK-M8ST PEG) require additional spacer kit.

<u>Important!</u> Wipe down complete system with glass cleaner *before* starting bike to remove any finger prints or dirt. Note: Finger prints that are not removed before running will become permanently etched in the pipes.

Check all mounting fasteners after first ride and again at all service intervals.