HARLEY-DAVIDSON[®] TOURING MODEL POWER DUALS INSTALLATION INSTRUCTIONS PART# 46849





Congratulations, you have purchased the finest exhaust system for your motorcycle on the market. Your Vance & Hines exhaust system is designed and crafted for maximum performance, a perfect fit, a great sound and unbeatable style. Please follow the installation instructions below and if you have any questions, please call our technical support line at (562) 926-5291.

Attention installer (if other than owner), please forward this instruction sheet to the owner of this product. These instructions contain valuable information to the end user.

Snapring pliers Flat blade screwdriver & 5/16" Nutdriver Ft./Lb. Torque wrench EQUIRI 1/2", 9/16" & 14mm Combination wrenches 3/8" Ratchet & 6 Extentions, 1/2" Socket, 1/4" . 3/16" & 5/16" 1/2", 9/16" & 5/8" deep 0 Allen wrench sockets.

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

- 1. Remove both left and right saddlebags and set them aside. Remove right side panel.
- 2. Loosen the the pinch clamp bolt on the front end of muffler(s). NOTE: On OE two into one right side only exhaust systems, there is no left side removal of mufflers required
- 3. Remove the two 5/16" bolts and washers that mount the muffler(s) to the saddlebag supports. Save these for re-use.
- 4. Remove the stock mufflers and set them aside. NOTE: It may be necessary to use a penetrating lubricant to loosen the muffler from the head pipe.
- Locate and unplug the O2 sensor wire connectors from the wiring harness (Grey and Black connectors behind right side panel) and remove cable ties holding wires to frame.
 Feed the end of the wires through the frame so they are free from the motorcycle. NOTE: Pay attention to wire routing for re-installation.
- 6. Remove the right hand floor board.
- 7. Remove the right hand passenger floor board.
- 8. Loosen head pipe clamp connecting the left side muffler to the header and the mount bracket on the backside of the oil pan. Remove the crossover section of head pipe and

head pipe clamp (OE dual muffler systems only).

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- 9. Remove the mount clamp located behind the oil pan, set the 1/4"-20 x 3/4" screws aside for reuse.
- 10. Loosen the nut and carriage bolt holding the head pipe assembly to the bracket on the transmission housing.
- 11. Loosen the heat shield clamps on both front and rear exhaust pipes.
- 12. Remove the two flange mounting nuts from each head pipe, located at the cylinder head. Carefully remove the head pipes and set them aside.
- 13. Using a 14mm wrench, carefully remove the O2 sensors from the stock head pipes and save for re-use with the new system.
- 14. Carefully remove the exhaust port flanges and circlips from the stock exhaust system using snapring pliers. NOTE: If circlips look bent or twisted, replace them.
- 15. Remove the stock exhaust gaskets and replace them with the V&H exhaust gaskets. V&H kit #22899 is available for future use.





Management. Contact your local dealer or call (562) 921-0071 to order. Visit fuelpakfi.com for more information. Fuelpak is intended for racing or off-highway use only, and is not legal for sale or use in California on pollution-controlled vehicles.

PLEASE NOTE: Every effort is made for Vance & Hines Exhaust Systems to provide improved cornering clearance. However, due to design and space limitations on some motorcycle models, ground and cornering clearance may not be improved and in some cases may be reduced. Be sure to follow proper installation instructions.

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PACKING LIST



WARRANTY

Vance & Hines exhaust systems are warranted against defects in material and workmanship for a period of 90 days from the date of purchase from an authorized dealer. This warranty does not cover discoloration of chrome finishes. This warranty is limited to the repair or replacement of a product proven to be defective from normal use. Vance & Hines exhaust systems are designed to fit and operate on OEM motor and chassis. This warranty does not cover any product subject to abuse, misuse, improper installation or modification.

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FUEL MANAGEMENT

GET THE MOST OUT OF YOUR RIDING EXPERIENCE...

AN AFTERMARKET EXHAUST SYSTEM IS ONLY YOUR FIRST STEP, NOW YOU NEED FUEL MANAGEMENT.

NOW YOU NEED FUELPAK.

Your fuel injected Harley-Davidson® is equipped with an ECU (electronic control unit) that's programmed to deliver fuel to the motor based on an air/fuel ratio for a stock air filter and stock exhaust system. When you install a performance exhaust system, your airflow changes, so you need a fuel management system that adjusts your air/fuel ratio to match the changes. That fuel management system is Fuelpak. Fuelpak adds and takes away fuel, allowing for a more precise range of refinement in your air/fuel ratio. Get the perfect fuel management combination with your Vance & Hines exhaust system, get Fuelpak. For more information visit the tuning center at fuelpakfi.com



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