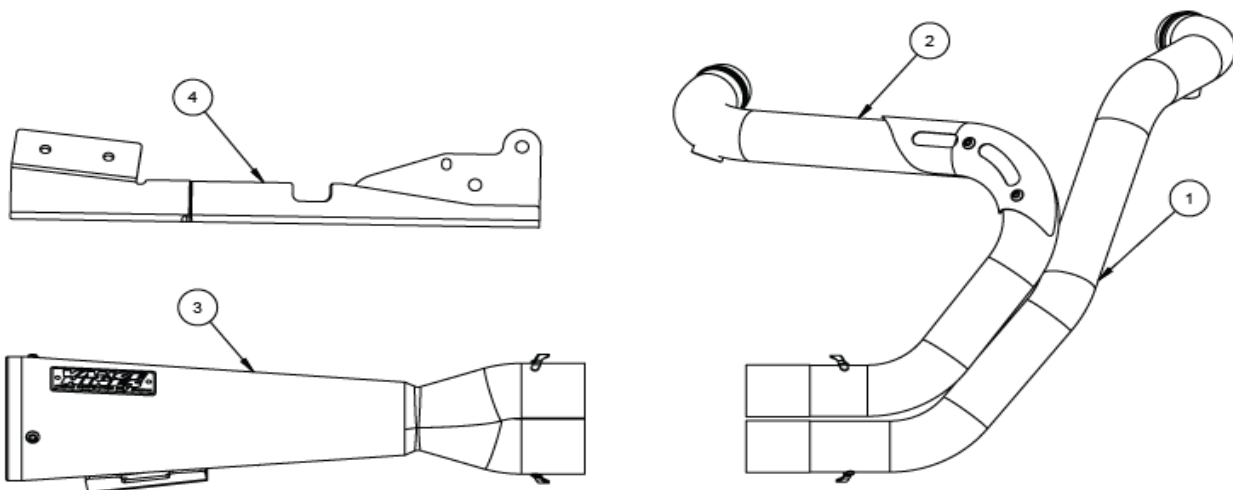


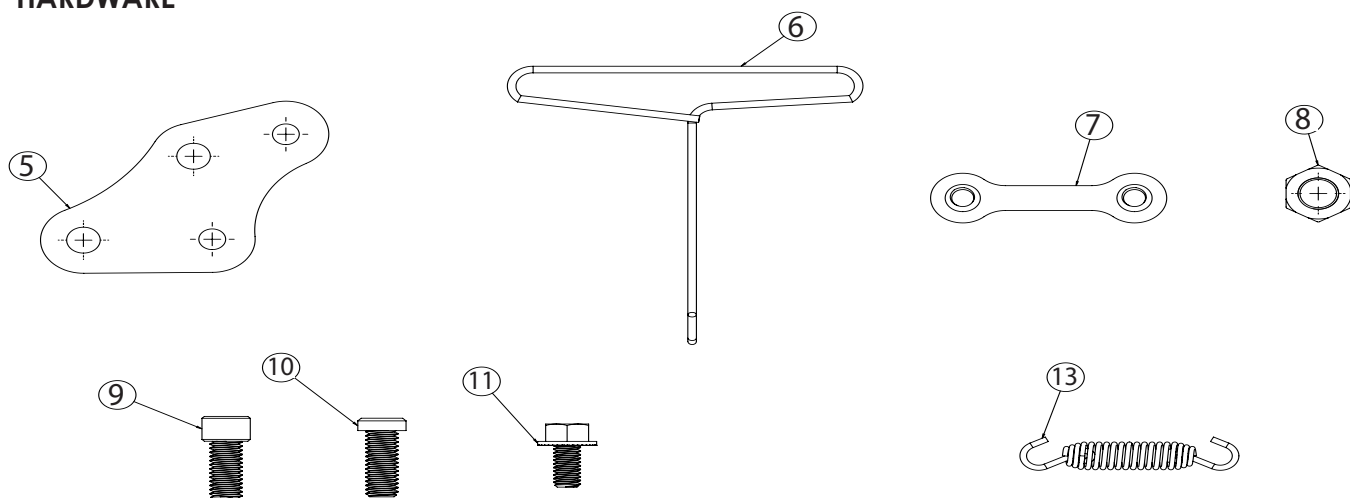
Congratulations, you have purchased the finest exhaust system available for your motorcycle. Your Vance & Hines exhaust is designed and crafted for performance, quality, and style. Please follow the instructions below, check exhaust system for missing or damaged parts and if you need any assistance please contact our technical support line (562) 921-7461.



PARTS LIST

NO.	PART NO.	Description	Qty.
1	D1126FB	Front Head Pipe	1
2	D1127FB	Rear Head Pipe	1
3	D370RB-S	Muffler Can	1
4	1166-P	Mount Bracket	1
5	1171-P	Footped Relocator	1
6	A260SP	Spring Puller	1
7	A195HW	Dogbone Nut Plate	1
8	A644ST	18-12mm O2 Adaptor	2
9	A914HW	3/8-16 x 7/8" SHCS	2

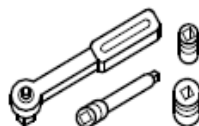
HARDWARE



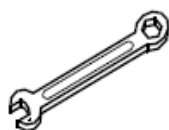
TOOLS REQUIRED



Screwdrivers - Flat blade, #3 Phillips Head



Ratchet & Extensions
Sockets - 1/2", 9/16" deep, 19mm



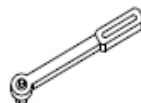
Combination Wrench - 1/2", 9/16", & 7/8" or 22mm, 14mm, 19mm



Snap Ring Pliers



Allen Wrench - 3/16", 5/16"
Torx - T30



Torque wrench

STOCK EXHAUST SYSTEM REMOVAL

1. Locate and unplug the O2 sensor wires from the wiring harness and remove nylon cable tie holding front wire 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.
2. Loosen the heat shield clamps on both the front and rear exhaust pipes. This allows easier access to the head pipe mounting nuts.
3. Remove the two head pipe mounting nuts from each flange, located at the cylinder head.
4. Remove the clamp bolt which mounts the rear head pipe to the belt drive cover bracket.
5. Remove the two bolts from each muffler body where they attach to the mounting bar. Carefully remove exhaust pipes from the motorcycle and set aside.
6. Remove the drive belt cover and take the bracket off the rear cover bolt, the bracket will not be re-used.
7. Remove e-clip from brake rod lynchpin. Remove foot controls.
8. Remove the three mount bolts and washers attaching the exhaust mounting bar and remove bar. (Save hardware for re-use)
9. Carefully remove exhaust port flanges and circlips from the stock exhaust system using snapring pliers. **NOTE:** Replace bent or damaged circlips.
10. Check condition of exhaust gaskets and replace if worn or damaged. (Harley P/N - 65324-83B)

VANCE & HINES EXHAUST INSTALLATION

1. Install and tighten supplied mounting bracket (stamped 1169-P) using stock bolts and washers. Torque to 30-33 Ft/Lbs.
2. Re-install drive belt cover. Torque 1" x 3/8" bolt to 30-33 Ft/Lbs. and 2" x 1/4" bolts to 80-120 In/Lbs.
3. On bikes equipped with forward controls, install footpeg relocater (1171-P) using 2X A914HW and 2X A908HW. **(Figure 1)**
4. Re-install brake rod, brake rod lynchpin and e-clip. Re-install foot controls.
5. Remove head pipes from protective packaging. Apply a small amount of anti-seize compound to the threads of the O2 sensors and install them into the new head pipe. Install supplied 18mm to 12mm oxygen sensor adapter then install 12mm oxygen sensors.
6. Install exhaust port flanges and circlip from stock system onto the Vance and Hines head pipes.
7. Using stock flange nuts, carefully install head pipes into exhaust ports, starting with the rear cylinder. Assistance may be required. NOTE: Do not tighten at this time.
8. Install muffler assembly onto head pipes. Attach muffler assembly to installed bracket and secure with 5/16-18 flange bolt and dog bone nut plate (supplied).
9. Install springs using supplied spring puller. There should be about a 2" gap between the spring tabs **(Figure 2)**.
10. Tighten exhaust port flange nuts and 5/16" flange head bolts at the bracket.
11. Plug O2 sensors back into wiring harness and route wires away from hot areas of the motorcycle.
12. Check rear brake pedal function. If needed adjust rear brake linkage to increase clearance between brake pedal and rear cylinder heat shield.
13. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
14. Be sure to tighten all hardware before starting your motorcycle.

FIGURE 1



FIGURE 2

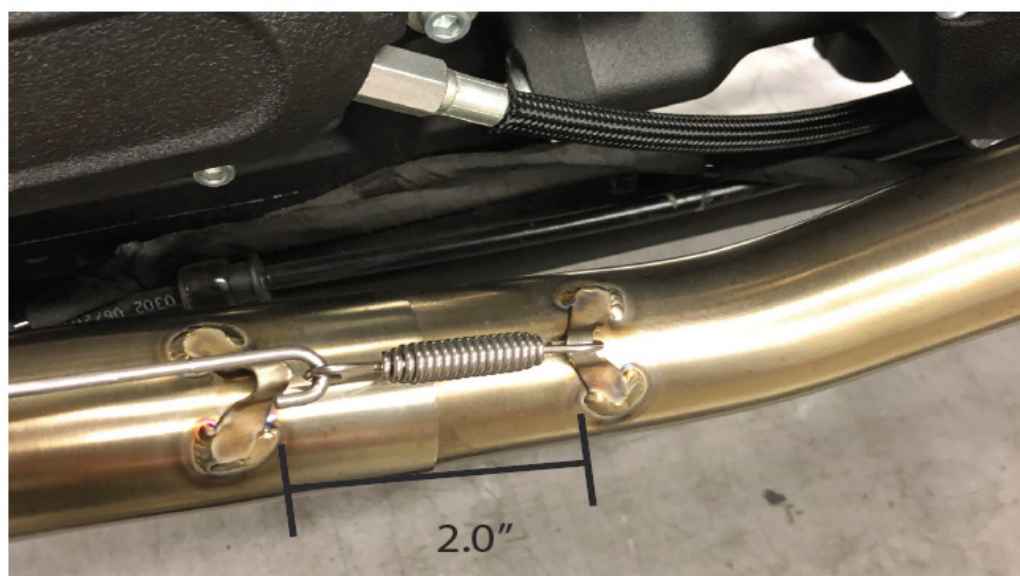


FIGURE 3



EXHAUST CARE (STAINLESS)

1. When installing a new set of stainless pipes, make sure your hands are clean and free of oil. After installation, thoroughly clean pipes with a soft cloth and cleaning solvent that will leave no residue (glass cleaner, alcohol, acetone, etc...) before starting the motorcycle.
2. It is considered normal for stainless steel exhaust systems to discolor due to heat.
3. High performance engine tuning utilizing a dyno will likely result in severe discoloration.
4. Avoid long periods of idling as this can cause discoloration. Intake leaks can cause the engine to run lean and overheat and this could lead to discoloration.
5. Make sure there are no exhaust leaks at the junction of the exhaust pipes and cylinder head. We recommend replacing gaskets if they are worn.

EXHAUST CARE (BLACK)

1. When installing a new set of black pipes, make sure your hands are clean and free of oil. After installation, thoroughly clean pipes with warm soapy water and a soft cloth. Dry with a clean towel to remove any residue before starting the motorcycle. Do NOT use anything abrasive to clean pipes.
2. Avoid long periods of idling as this can cause discoloration.
3. Intake leaks can cause the engine to run lean and overheat, this could lead to discoloration.
4. Make sure there are no exhaust leaks at the junction of the exhaust pipes and cylinder head. We recommend replacing gaskets if they are worn.

Vance & Hines warrants each Catalytic Exhaust System is designed and manufactured to conform at the time of initial retail purchase with the applicable California Air Resources Board (ARB) regulations for After-market Critical Emission Control Parts on Highway Motorcycles and is free from defects in materials and workmanship which would cause a motorcycle to fail to conform to those regulations for the following warranty periods (as applicable):

(1) If the Catalytic Exhaust System is installed on a highway motorcycle within four years of the date that the highway motorcycle is first acquired by an ultimate purchaser, the warranty period shall be 5 years or 30,000 km (18,641 miles), whichever first occurs, from the date of initial retail sale, or (2) If the Catalytic Exhaust System is installed on a highway motorcycle more than four years of the date that the highway motorcycle is first acquired by an ultimate purchaser, the warranty period will be three years or 15,000 km (9,320 miles), whichever first occurs, from the date of initial retail sale.

COVERAGE. The above described warranty periods apply only to emissions-related defects, such as the integrity of the catalytic converter. This warranty does not apply to cosmetic defects and does not apply to any defects resulting from situations described below under "LIMITATIONS." Catalytic Exhaust System with warranted defects shall be repaired or replaced by Vance & Hines, or by a dealer designated by Vance & Hines, at no cost to the owner. Vance & Hines will also be liable for damages to other motorcycle components proximately caused by a failure under warranty of the Catalytic Exhaust System

OWNER'S OBLIGATIONS. The following obligations must be fulfilled by the Catalytic Exhaust System owner to maintain the validity of the emission defects warranty:

a. Owner is responsible for the performance of all emissions-related maintenance prescribed by the vehicle manufacturer. Vance & Hines recommends that you retain all receipts covering maintenance on your motorcycle related to any alleged defect, but Vance & Hines cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

b. Owner is responsible notifying Vance & Hines as soon as a problem exists. Owner may be required to have the motorcycle inspected by a dealer designated by Vance & Hines at the dealer's place of business during customary business hours. Catalytic Exhaust System with warranted defects will be repaired or replaced in a reasonable amount of time, not to exceed 30 days.

c. Owner must present a copy of the proof of initial retail purchase date of both the Catalytic Exhaust System and motorcycle, issued at the time of purchase to Vance & Hines at the time warranty repairs or replacements are performed.

LIMITATIONS. This emission defects warranty shall not cover repair or replacement of the Catalytic Exhaust System required as a result of accident, misuse or neglect, repairs improperly performed, use of replacement parts or accessories not conforming to the motorcycle manufacturer's specifications which adversely affect performance and/or durability, alterations or modifications not recommended by the motorcycle manufacturer or Vance & Hines, and/or any motorcycle on which odometer mileage has been changed so that the actual mileage cannot be determined.

LIMITED LIABILITY. The liability of Vance & Hines under this emission defects warranty is limited solely to the remedying of defects in materials or workmanship of the Catalytic Exhaust System by Vance & Hines or a third party approved by Vance & Hines at that party's place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the motorcycle, or transportation the Catalytic Exhaust System or the motorcycle on which the system is installed to Vance & Hines or a third party approved by Vance & Hines.

If you have any questions regarding your warranty rights and responsibilities, you should contact Vance & Hines at info@vanceandhines.com or (562) 921-7461.

NOTICE TO INSTALLER

The California Evaluation Procedures for Aftermarket Critical Emission Control Parts on Highway Motorcycles require that installers of aftermarket critical emissions control parts, such as the Vance & Hines Catalytic Exhaust System, warrant that such parts are installed correctly in accordance with the instructions set forth in this document, and that the installation will not cause the failure of the part to conform to the applicable requirements of the procedures or cause damage to any original part on the highway motorcycle due to incorrect installation. The installation warranty shall be 2 years or 12,000 kilometers (7,456) miles from the date of the installation of the aftermarket critical emission control part, whichever occurs first.

Installers and retailers of aftermarket critical emissions control parts, such as Vance & Hines Catalytic Exhaust System, keep documentation regarding the sale and/or installation of such parts, including part number/model, date of sale and/or installation, purchaser name and address, vehicle make, model and vehicle identification number. All such documentation must be maintained for a period of 5 years from the date of sale or installation and be made available upon request by California Air Resources Board staff.

INSTALLER WARRANTY

Installer warrants that this Vance & Hines Catalytic Exhaust System has been installed correctly, in accordance with the manufacturer's specified instructions, and that the installation will not cause failure of the Monster Round Catalytic Slip-ons and Head Pipes to conform to the applicable requirements of the California Evaluation Procedures for Aftermarket Critical Emission Control Parts on Highway Motorcycles or cause damage to any original part on the highway motorcycle due to incorrect installation. This installation warranty shall be for two years or 12,000 kilometers (7,456 miles) from the date of the installation of the Catalytic Exhaust System, whichever occurs first.

COVERAGE. The above described installer's warranty periods apply only to installation-related defects, and not to the function or integrity of the catalytic converter, which is warranted by Vance & Hines. This installer's warranty does not apply to cosmetic defects and does not apply to any defects resulting from situations described below under "LIMITATIONS." Catalytic Exhaust System with warranted defects shall be repaired or replaced by Vance & Hines, or by a dealer designated by Vance & Hines, at no cost to the owner. Vance & Hines will also be liable for damages to other motorcycle components proximately caused by a failure under warranty of the Catalytic Exhaust System.

LIMITATIONS. Installer's warranty shall not cover repair or replacement of the Catalytic Exhaust System required as a result of accident, misuse or neglect, repairs improperly performed by someone other than installer, use of replacement parts or accessories not conforming to the motorcycle manufacturer's specifications which adversely affect performance and/or durability, alterations or modifications not recommended by the motorcycle manufacturer or Vance & Hines, and/or any motorcycle on which odometer mileage has been changed so that the actual mileage cannot be determined.

Emissions Notice:

In California, in order to meet Air Resources Board emissions requirements, certain aftermarket part applications have been identified as replacements, and others have received ARB Executive Orders. All other emissions related aftermarket parts are for competition use only. A list of replacement parts and EO parts, and corresponding fitment is provided at vanceandhines.com/california.

Warranty:

All Vance & Hines products are warranted against defects in material and workmanship for a period of 90 days. This warranty does not cover discoloration or rust. This warranty shall be limited to the repair or replacement of the product, which may be proven defective under normal use. Vance & Hines will not warranty any system that has been abused, misused, improperly installed or modified.

Dealers or distributors are not authorized to make dispositions binding upon Vance & Hines. Vance & Hines will not be responsible for any labor charges incurred in removing or replacing any system under warranty. A return authorization number and a copy of the original purchase invoice must accompany all returns. Parts returned without a return authorization may be refused.



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