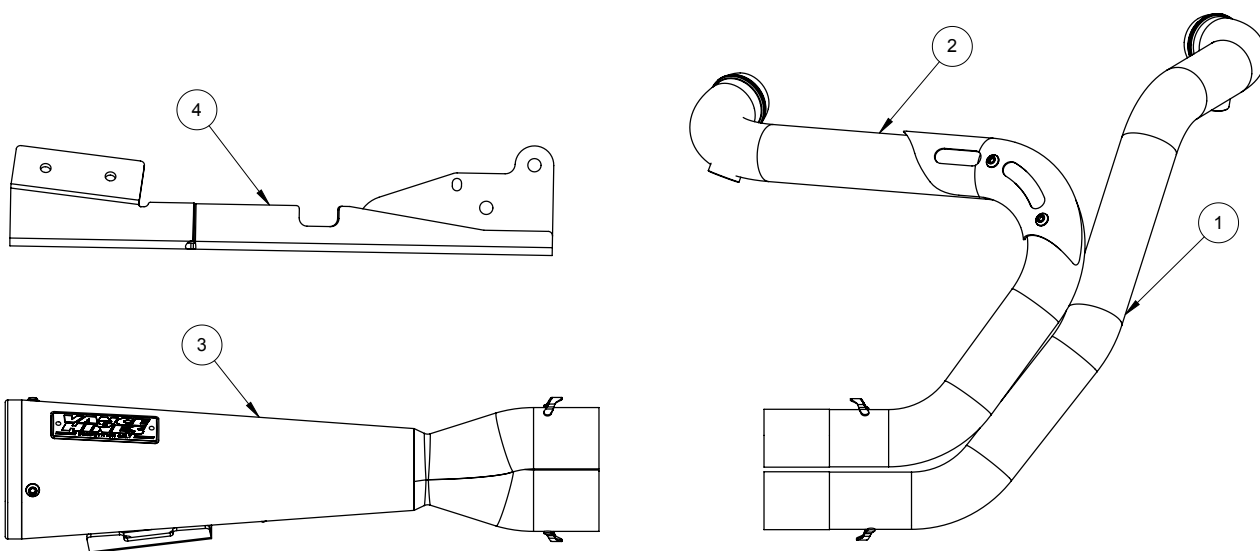


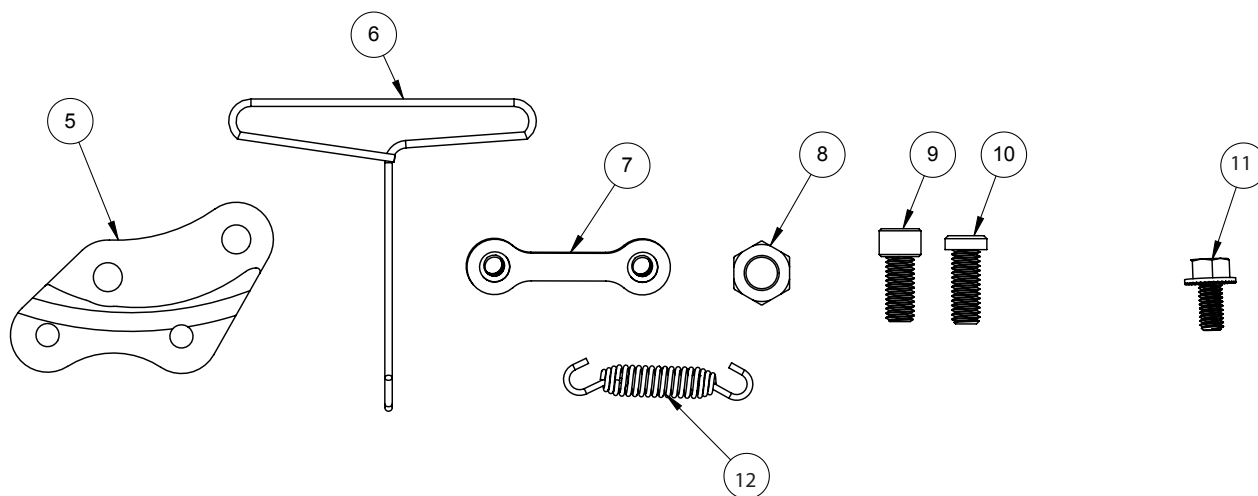
Congratulations, you have purchased the finest exhaust system available for your motorcycle. Your Vance & Hines exhaust is designed and crafted for performance, quality, and style. Please follow the instructions below, check exhaust system for missing or damaged parts and if you need any assistance please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



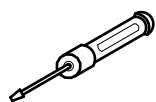
### PARTS LIST

NO.	Part No.	Description	Qty.	NO.	Part No.	Description	Qty.
1	D1326FP	Front Head Pipe	1	8	A644ST	18-12mm O2 Adaptor	2
2	D1327FP	Rear Head Pipe	1	9	A914HW	3/8-16 x 7/8" SHCS	2
3	D379RP-S	Muffler Can	1	10	A908HW	3/8-16 x 1" SHCS	2
4	1166-P	Mount Bracket	1	11	A240HW	5/16-18 x 5/8" FHS	2
5	1171-P	Footpeg Relocator	1	12	A115SP	Dirt Sport Spring	2
6	A260SP	Spring Puller	1				
7	A195HW	Dogbone Nut Plate	1				

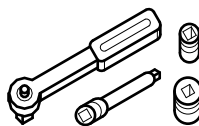
## HARDWARE



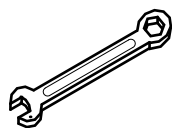
## TOOLS REQUIRED



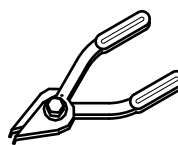
**Screwdrivers - Flat  
blade, #3 Phillips Head**



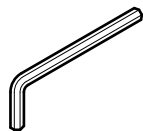
**Ratchet & Extensions  
Sockets - 1/2", 9/16" deep,  
19mm**



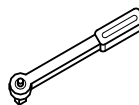
**Combination Wrench -  
1/2", 9/16", & 7/8" or  
22mm, 14mm, 19mm**



**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 snapping 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.

## VANCE & HINES EXHAUST INSTALLATION CONTINUED

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.

## 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 the 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 the cylinder head. We recommend replacing gaskets if they are worn.

**FIGURE 1**



FIGURE 2



FIGURE 3







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From the team that brought you The Fuelpak FP3, the best-selling ECU tuner in the world for Harley-Davidson motorcycles, the Vance & Hines FP4 is the most intuitive tuning tool on the market, giving you the power to control your motorcycle's tune and offers the best-in-industry support from our FP4 technicians, all from your smartphone.

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**Qualified Manufacturer Declared 49-state Federal Emissions Compliant Part.**



### 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](http://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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