



## Part Number 75-111-4 FLH Touring 2:1 Competition Series Exhaust System (09)

Congratulations, you have purchased the finest exhaust system available for your motorcycle. Your Vance & Hines Motorsports exhaust is designed and crafted for maximum performance, a great sound and unbeatable 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 (317) 852-9057.

### ATTENTION:

This exhaust system is for racing purposes only.

### STOCK EXHAUST SYSTEM REMOVAL

Please remove the following:

1. Remove both the left and right saddlebags.
2. Loosen the pinch clamp bolt on front end of each muffler. The left side muffler pinch clamp is located on the right hand side. Remove the cross over support clamp located under the swingarm in front of the rear wheel.
3. Remove two 5/16" bolts holding the left and right mufflers to the saddlebag supports.
4. Remove the stock mufflers and set them aside.  
**Note:** It may be necessary to use a penetrating lubricant on slip joint between muffler and head pipe.
5. Find and unplug the O<sup>2</sup> sensor wires from the wiring harness and remove cable ties holding front wire to the frame. Feed the end of the wires through the frame so they are free from the motorcycle.  
**Note:** Pay attention to the wire routing for re-installation.
6. Remove the bolt that secures head pipes to the transmission bracket with a 15mm wrench or socket.
7. Remove the right hand floor board.
8. Remove the flange nuts that secure each head pipe to cylinder head. Carefully remove the head pipe assembly and set it aside.
9. Carefully remove the flanges and circlips from the stock exhaust system using snapping pliers to be reused on installation.
10. Remove the stock transmission bracket and save the two allen bolts holding the stock transmission bracket for reinstallation.

If the exhaust circlips are bent or twisted they should be replaced.

Replace the stock exhaust gaskets with Harley-Davidson part number #17048-98

### COMPETITION SERIES EXHAUST SYSTEM INSTALLATION

1. Install the megaphone mounting bracket #7-70070 to the transmission using the saved allen bolts.
2. Identify the front head pipe #7-80273. Install the stock flange and circlip, install the head pipe leaving the flange nuts hand tight.
3. Repeat the above step for the rear head pipe #7-80274.
4. Slip the megaphone/collector assembly onto the head pipes, secure with the two springs supplied using the spring puller tool.
5. Slide the dog bone nut plate inside the bracket welded to the back of the megaphone then attach and align bracket, leave the bolts hand tight at this time.
6. Tighten the cylinder head flange nuts for both the front and rear head pipes. Now tighten the megaphone bolts.
7. If using a fuel management system that requires the stock O<sup>2</sup> sensors remove the O<sup>2</sup> plugs and replace them with the O<sup>2</sup> sensors from the stock head pipes.
8. Reconnect the O<sup>2</sup> sensors to the wire harness.
9. Clean all fingerprints from the exhaust using a contact cleaner (or other non flammable cleaner). Fingerprints will leave stains on the pipe once the motorcycle is started.
10. You are now ready to start the motorcycle.

**Note:** After initial ride it is recommended to re-torque the baffle screw to 8-10 lb. using a 5/32" allen wrench and retighten the cylinder head flange nuts.

For best results, we recommend fuel injection mapping for your new combination using a Fuelpak or Power Commander. Settings for the Fuelpak and some Power Commander maps are available on our website at [www.vhmotorsports.com](http://www.vhmotorsports.com)

Vance & Hines Motorsports

1211 Northfield Drive, Brownsburg, IN 46112

Tel: (317) 852-9057 Fax: (317) 852-8954

E-mail: [tech@vhmotorsports.com](mailto:tech@vhmotorsports.com)

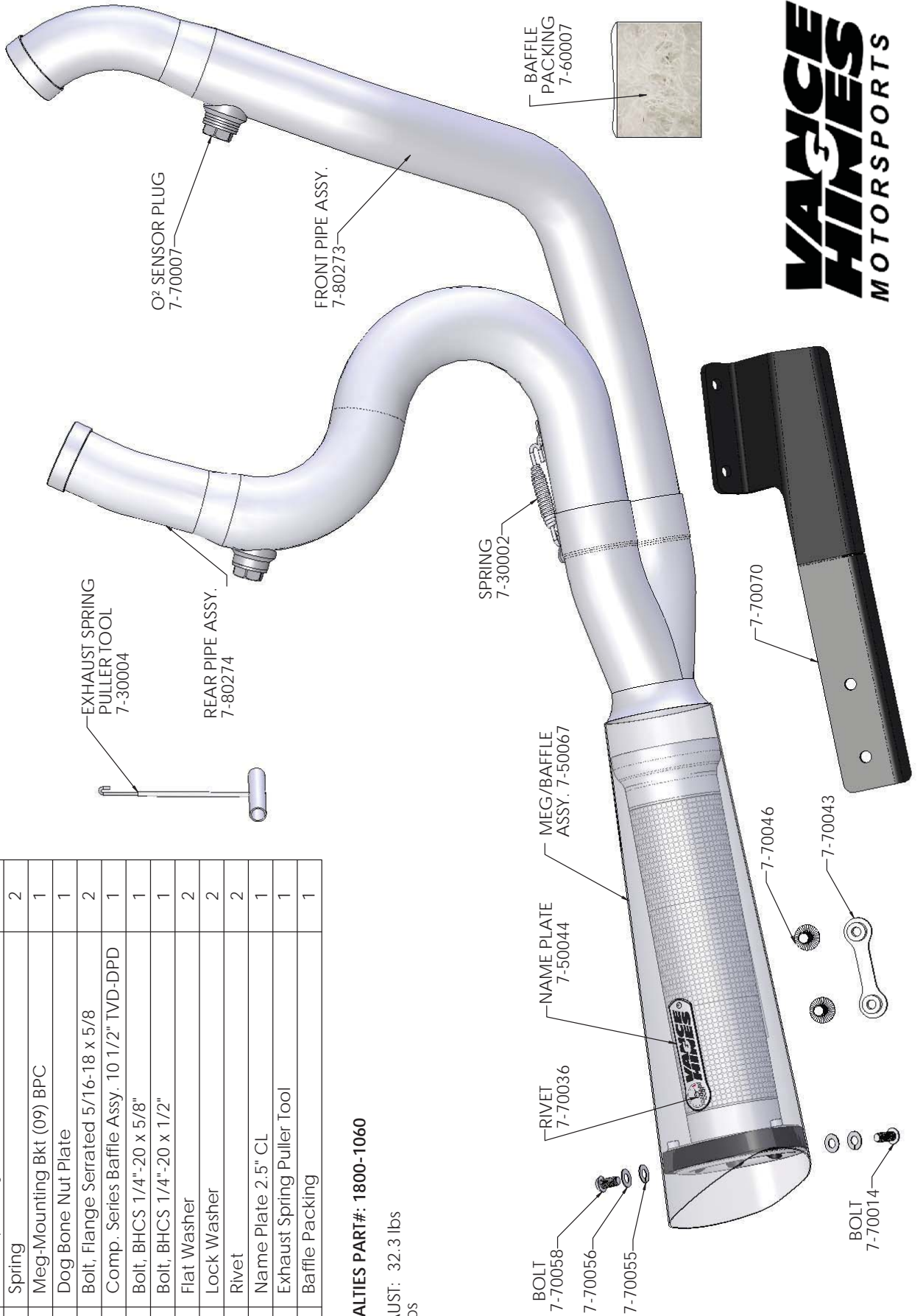
Web: [www.vhmotorsports.com](http://www.vhmotorsports.com)

Opening Hours – Monday through Friday, 8am – 5pm, Eastern Standard Time

Due to the nature of high performance racing products and services, Vance & Hines Motorsports products are sold without any express warranty or any implied warranty of fitness for a specific purpose. Vance & Hines Motorsports shall not, under any circumstances, be liable for any special, incidental or consequential damages including, but not limited to, damage or loss which may arise from sale, installation or use of this product.

# 75-111-4 HD TOURING 2:1 COMPETITION SERIES EXHAUST SYSTEM (09)

75-111-4 PARTS LIST		
PART NO.	DESCRIPTION	75-111-4 /QTY.
7-50067	Megaphone/Baffle Assy.	1
7-80273	Front Pipe Assy.	1
7-80274	Rear Pipe Assy.	1
7-30002	Spring	2
7-70070	Meg-Mounting Bkt (09) BPC	1
7-70043	Dog Bone Nut Plate	1
7-70046	Bolt, Flange Serrated 5/16-18 x 5/8	2
7-60032	Comp. Series Baffle Assy. 10 1/2" TVD-DPD	1
7-70014	Bolt, BHCS 1/4"-20 x 5/8"	1
7-70058	Bolt, BHCS 1/4"-20 x 1/2"	1
7-70055	Flat Washer	2
7-70056	Lock Washer	2
7-70036	Rivet	2
7-50044	Name Plate 2.5" CL	1
7-30004	Exhaust Spring Puller Tool	1
7-60007	Baffle Packing	1



## DRAG SPECIALTIES PART#: 1800-1060

STOCK EXHAUST: 32.3 lbs

75-111-4: 9 lbs

