



## Part Number 75-108-4 Dyna Outlaw Indy Series Exhaust System (06-08)

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.

### STOCK EXHAUST SYSTEM REMOVAL

Please remove the following:

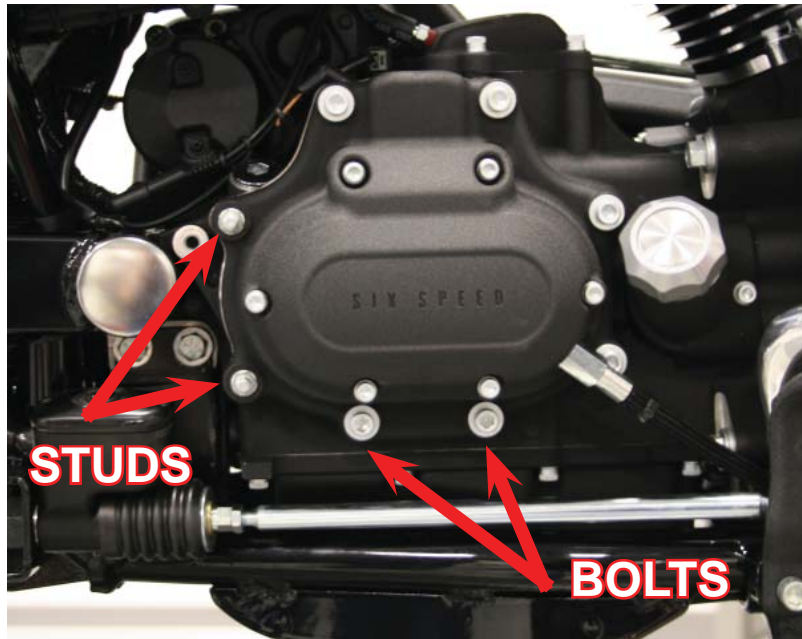
1. Remove seat to gain access to rear O<sup>2</sup> sensor connector. Unplug sensor and feed end of wire through frame to free it from motorcycle. Note: Pay attention to wire routing for reinstallation.
2. Remove the two bolts holding rectifier onto front of frame (near front tire). Open plastic cover to gain access to front O<sup>2</sup> sensor connector, unplug sensor from harness. Remove cable tie holding wire to frame and feed end of wire through to free it from motorcycle.
3. Loosen heat shield clamps on both the front and rear head pipes.
4. Remove two cylinder exhaust port flange nuts from each head pipe, located at the cylinder head.
5. Remove front head pipe clamp bolt.
6. Remove the bolt that attaches mufflers to the frame mounting bar.
7. Remove the complete exhaust system and set aside (Assistance may be required).
8. Remove stock mounting bar and the studs in the transmission cover, the studs will not be reused.
9. Remove the two bolts below the transmission cover. They will replace the two studs removed in step 8, refer to *(Figure 1)*.
10. Using snapping pliers, carefully remove the flanges and circlips from the stock exhaust system. Save for re-use.

Note: If circlips look bent or twisted replace them with new circlips. Check the condition of stock exhaust gaskets, we recommend replacing them with the Screamin Eagle gasket kit, part number # 17048-98.

11. Remove the stock O<sup>2</sup> sensors from the stock exhaust using a 7/8" or 22mm wrench.

### INDY SERIES EXHAUST SYSTEM INSTALLATION

1. Install bracket #7-70047 using 5/16" X 1 1/2" bolt and flat washer to the transmission cover, torque to 18-24 ft/lbs, see *(Figure 2)*.
2. Install the stock flanges to the new head pipes. Check the condition of the circlips we recommend replacing them with new ones if they are bent or twisted.
3. Install the rear head pipe 7-80146, leave the cylinder nuts slightly loose.
4. Repeat step 3 for the front head pipe 7-80145.
5. Slide the Megaphone Assembly 7-50059 over the head pipes. Install the springs with the exhaust spring puller tool provided.
6. Slide the dog bone nut plate through the bracket on the back side of the megaphone, attach the megaphone assembly to the bracket using the two 5/16" x 5/8" flange bolts provided.
7. Tighten the cylinder nuts then the megaphone mounting bolts.
8. Install the stock O<sup>2</sup> sensors removed earlier and carefully route the wires so they cannot be melted.
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. Make sure you have the correct map or jetting spec, you are now ready to start the motorcycle.



*Figure 1*



*Figure 2*

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)

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# 75-108-4: HD DYNA OUTLAW 2:1 EXHAUST SYSTEM

DRAG SPECIALTIES PART#: 1800-0885

STOCK EXHAUST: 25.5 lbs  
75-108-4: 7 lbs

75-108-4 PARTS LIST		75-108-4 /QTY.
PART NO.	DESCRIPTION	
7-50059	Meg/Baffle Assy.	1
7-80145	Front Pipe Assy.	1
7-80146	Rear Pipe Assy.	1
7-70007	O <sup>2</sup> Sensor Plug	2
7-30002	Spring	2
7-70047	Meg. Mounting Bracket (A)	1
7-70043	Dog Bone Nut Plate	1
7-70046	Bolt, 5/16"-18	2
7-70048	Bolt 5/16"-18 x 1 1/2"	2
7-70036	Rivet	2
7-50044	Name Plate	1
7-30004	Exhaust Spring Puller Tool	1
7-60032	Indy Series Baffle Assy. 10 1/2" TVD-DPD	1

