



## Part Number 75-106-9 V-Rod Outlaw Indy Series Exhaust System (All Years) Black Ceramic Coated

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.

### **CAUTION!**

Extra care should be taken while installing your new ceramic coated Indy Series Exhaust System. High temp ceramic coating is not fully cured until it is up to full operating temperature and cooled back down. The coating is baked at 500 °F, but requires a temperature of 1000 °F to fully cure. Until that time the coating is not as durable and may be susceptible to scratches. Proper jetting and/or fuel mapping is necessary before start up. If the exhaust temperature exceeds 1500 °F before the coating is fully cured it can burn off or discolor.

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)

### **IDENTIFY PASSENGER FOOTPEG MOUNTING LOCATION**

Footpeg mount on swingarm - refer to early model removal instructions.

Footpeg mount on frame - refer to late model removal instructions.

### **STOCK EXHAUST SYSTEM REMOVAL (EARLY MODELS)**

1. Loosen nose slip clamp at front of muffler section.  
Note: WD-40 at the joint may assist in removal.
2. Remove pin located on mounting bracket from stock exhaust system using 13mm wrench and 4mm allen wrench.
3. Remove two 6mm allen bolts connecting lower muffler to mounting bracket.
4. Remove the entire muffler section from the head pipes as a single unit.
5. Remove nuts from both front and rear exhaust cylinder head flanges using a 13mm socket or wrench.
6. Remove the stock exhaust flanges and circlips from both the front and rear head pipes.

### **STOCK EXHAUST SYSTEM REMOVAL (LATER MODELS)**

7. Loosen nose slip clamp at the front of the muffler section using a 13mm socket.  
Note: WD-40 at the joint may assist in removal.
8. Remove the three 6mm allen bolts holding the muffler assembly to the bike.  
Their locations are: rear footpeg mount, muffler to mounting bar and center of the muffler mounting bracket.
9. Remove the passenger footpeg from the frame to facilitate removal of muffler assembly.
10. Carefully remove muffler and collector assembly from motorcycle.
11. On models with O<sup>2</sup> sensors it will be necessary to disconnect the sensor wires from the wire harness.
12. Remove nuts from both front and rear exhaust cylinder head flanges using a 13mm socket or wrench.
13. Carefully remove head pipes from motorcycle.
14. Using a 7/8" or 22mm wrench, carefully remove the O<sup>2</sup> sensor from the stock head pipes and save for re-use with the new system.
15. Remove the stock exhaust flanges and circlips from both the front and rear head pipes.
16. Remove the stock mounting bar.

If the circlips are bent or twisted they should be replaced, Harley-Davidson part number #65045-01  
We also recommend replacing the stock exhaust gaskets, Harley-Davidson part number #65109-01

## INDY SERIES EXHAUST SYSTEM INSTALLATION

1. Identify front head pipe #7-80120. Install the stock flange and circlip, install head pipe leaving the flange nuts hand tight.  
Note: Take extra care with the installation of the flange and circlip so the ceramic coating does not get scratched.
2. Repeat the above step for the rear head pipe #7-80121.
3. Slip the megaphone/collector assembly onto the head pipes, secure with the four springs supplied using the spring puller tool.
4. Rotate the exhaust so there is adequate clearance in all places.  
Note: Models with mid control footpegs should check clearance between the break pedal and the megaphone with the break pedal fully depressed.
5. Tighten the cylinder head flange nuts for both the front and rear head pipes.
6. Tighten the O<sup>2</sup> plugs on the front and rear head pipes.
7. Models with O<sup>2</sup> sensors reinstall the O<sup>2</sup> sensors previously removed, refer to (*Figure 1*) for front cylinder and (*Figure 2*) or rear cylinder wire routing.



*Figure 1*



*Figure 2*

8. Make sure the oil line is not touching the front head pipe. If necessary, loosen the ties and rotate the oil line away from head pipe, retie the oil line to the fan mount.
9. On later models replace the passenger foot peg removed on step 9 from the later model removal instructions.
10. Clean all fingerprints from the exhaust using a contact cleaner (or other non flammable cleaner).
11. You are now ready to start the motorcycle.

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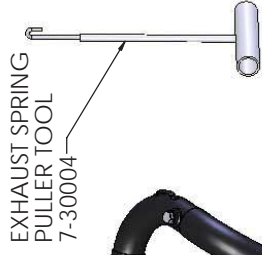
# 75-106-9 V-ROD, OUTLAW 2:1 BCPC EXHAUST SYSTEM



75-106-9 PARTS LIST		75-106-9 BCPC/QTY.
PART NO.	DESCRIPTION	
7-50047	Megaphone/Baffle Assy.	1
7-80120	BCPC Front Pipe Assy.	1
7-80121	BCPC Rear Pipe Assy.	1
7-30002	Spring	4
7-70007	O <sup>2</sup> Sensor Plug	2
7-70036	Rivet	2
7-50044	Name Plate	1
7-30004	Exhaust Spring Puller Tool	1
7-60030	Indy Series Baffle Assy. 10 1/2" TVD-DPD	1

## DRAG SPECIALTIES PART#: 1800-0882

STOCK EXHAUST: 38 lbs  
75-106-9: 8 lbs



MEGAPHONE/ BAFFLE  
ASSY. 7-50047