

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 (Yamaha R1)**

1. Remove and place the mid and lower fairings in a safe place. The right side lower fairing will need to be trimmed for proper exhaust clearance.
2. Remove the seat/passenger seat and tail section.
3. Remove the right and left canister mount covers. These can be seen once the tail section has been removed.
4. Remove the catalytic converter heat shield located on the right side. This will not be used with the new system.
5. For the EXUP motor you will have two options: A) Leave the motor in place but disconnect the control cables at the servo. B) Remove the EXUP completely. Please note that this will result in the check engine light to come on. However no problem or damage will occur and this will not effect performance.
6. Carefully remove the complete stock exhaust system, Y-Pipe and headers from the motorcycle.
7. Remove the lower footpeg mounting bolt on the right side.

Check the condition of the exhaust gaskets and if necessary replace them.  
Yamaha part number # 4FM-14613-00-00

#### **INDY SERIES EXHAUST SYSTEM INSTALLATION**

7. Assemble the header using the drawing (Page 2) as a reference.
8. Install the exhaust assembly using the stock flange bolts and replace stock bolt removed in step 7 with the one supplied, place the washer between the megaphone and the footpeg mount.
9. After aligning the header, tighten the flange bolts and remove the megaphone so the lower fairing can be installed.
10. A template is supplied (Page 3) to outline the clearance cut that is needed on the right side lower fairing, we recommend using a dremel tool or a die grinder. The template should give you the necessary clearance but some fitments may vary. After making the cut lightly sand the edges being careful not to scratch the paint.
11. Clean all fingerprints from the exhaust using contact cleaner (or other non flammable cleaner). Fingerprints will leave stains on the pipe once the motorcycle is started.
12. Try a test fit. Place a rag over the collector and slowly fit the lower fairing into place. If you feel more clearance is needed, mark the fairing and remove it. Also check the clearance at the front cowl, it will be necessary to trim some material off the cowl, please refer to picture.
13. Reinstall the megaphone and check that the O<sup>2</sup> plug is tight.
14. You are now ready to start your motorcycle. Check for exhaust leaks.

For best results, we recommend custom fuel injection mapping for your new combination. Power Commander base maps are available on our website at [www.vhmotorsports.com](http://www.vhmotorsports.com)



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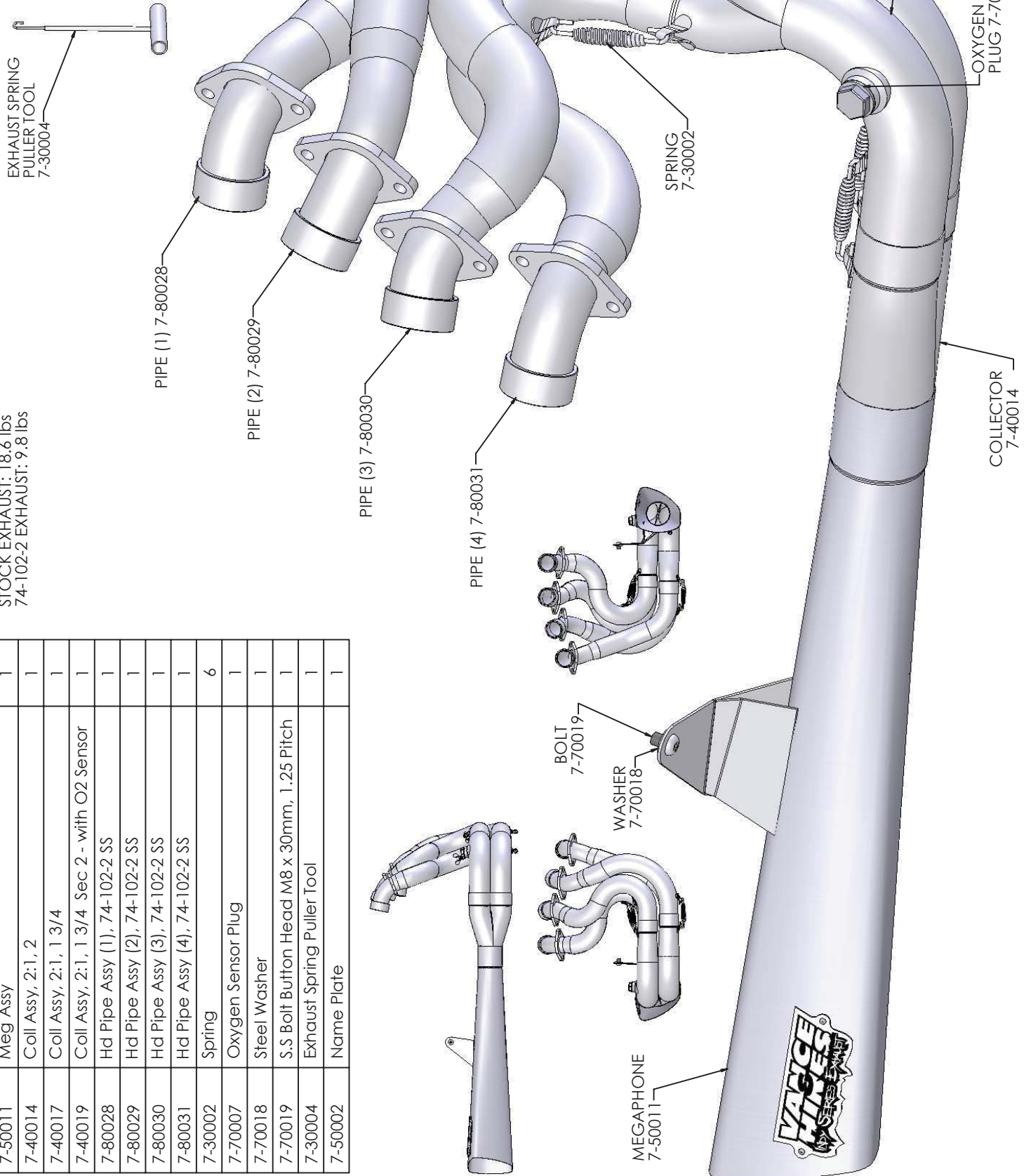
Opening Hours – Monday through Friday, 8am – 5pm, Eastern Standard Time

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# 74-102-2: YAMAHA R1 4:2:1 EXHAUST SYSTEM

STOCK EXHAUST: 18.6 lbs  
 74-102-2 EXHAUST: 9.8 lbs

74-102-2 PARTS LIST		
PartNo	Description	QTY.
7-50011	Meg Assy	1
7-40014	Coll Assy, 2:1, 2	1
7-40017	Coll Assy, 2:1, 1 3/4	1
7-40019	Coll Assy, 2:1, 1 3/4 Sec 2 - with O2 Sensor	1
7-80028	Hd Pipe Assy (1), 74-102-2 SS	1
7-80029	Hd Pipe Assy (2), 74-102-2 SS	1
7-80030	Hd Pipe Assy (3), 74-102-2 SS	1
7-80031	Hd Pipe Assy (4), 74-102-2 SS	1
7-30002	Spring	6
7-70007	Oxygen Sensor Plug	1
7-70018	Steel Washer	1
7-70019	S.S Bolt Button Head M8 x 30mm, 1.25 Pitch	1
7-30004	Exhaust Spring Puller Tool	1
7-50002	Name Plate	1



# VANCE HINES INDY SERIES EXHAUST

## Fairing Template

### Clearance Cut Outline

1. Cutout the template.
2. Align line A with the edge of the fairing above the tab lock, align B with the side edge and align C with the fairing clearance edge.
3. Remove the protective paper.
4. Stick template to fairing as indicated in step 2.
5. Follow step 10 in page 1.

Template is available for download on our website.

