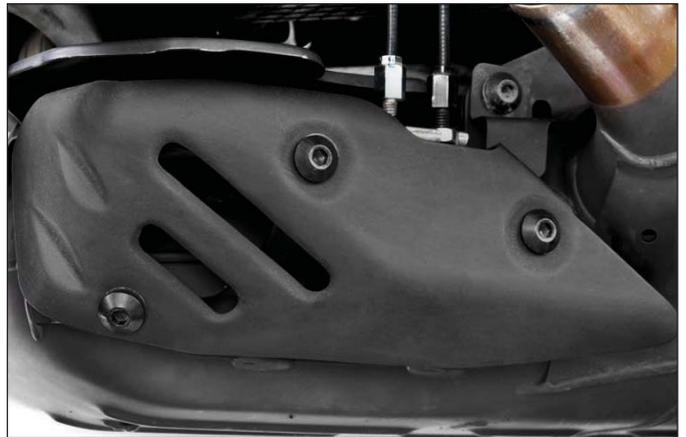


Congratulations, you have purchased the finest exhaust system available for your motorcycle. Your Vance & Hines exhaust is designed and crafted for maximum performance, a great sound and unbeatable style. Please follow the instructions below, check exhaust system for missing or damaged parts and if you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

### STOCK EXHAUST SYSTEM REMOVAL

1. Remove the muffler heat shields.
2. Loosen the muffler clamps and remove the support bolts. Carefully remove the mufflers.
3. Remove the seat by releasing the gas cap lever, remove the two bolts that hold the rider seat and next remove the two bolts for the passenger seat and remove.
4. Unlock the left side panel
5. Open the right side panel by removing the cover bolt.
6. Remove the seat cowl. There are three screws and six plastic pins that will need to be removed.
7. Remove the EXUP cover and disconnect the cables at the catalytic converter, refer to (Figure 1).
8. Unbolt the servo motor and remove the cables, **DO NOT UNPLUG THE SERVO MOTOR!** Re-attach the servo motor.
9. Disconnect the O<sup>2</sup> sensor connector.
10. Loosen the catalytic converter clamps at the front and rear head pipes. Remove the three support bolts, next loosen the front cylinder flange nuts. Due to the weight of the catalytic converter some assistance may be necessary for removal.
11. Remove the O<sup>2</sup> sensor from the catalytic converter box.
12. Remove the forward support bracket for catalytic converter from the motor.
13. Retighten the front cylinder flange nuts, torque to 14-18 lbs.



*Figure 1*

### EXHAUST SYSTEM INSTALLATION

1. Install the right 701 and left 702 muffler support brackets using the using supplied hardware M8x50mm and a M6x35mm , refer to (Figure 2 & 3).



*Figure 2*



*Figure 3*

2. Slide the two smaller band clamps A338HW over the rear head pipe assembly, rotate the clamps to make bolt access easier, refer to (Figure 4).
3. Install the rear pipe assembly Y355RB on to the rear cylinder manifold attach the assembly to the motor with the Y506IN – Page 1 – Revision 2



Figure 4

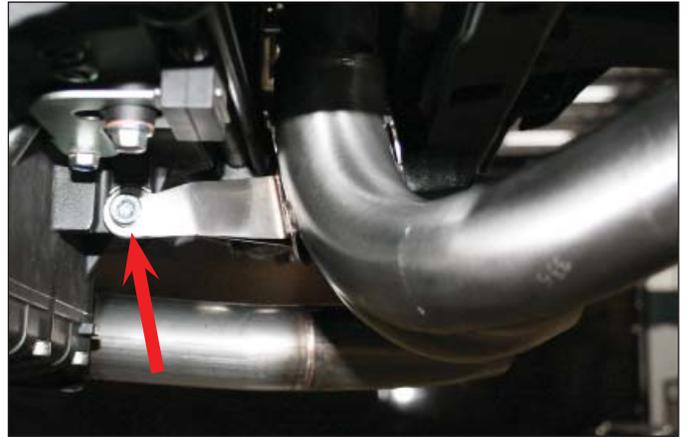


Figure 5

M8x16mm bolt supplied, refer to (Figure 5). Torque the band clamp bolts to a maximum of 75 in.lbs.

4. Slide the band clamp A334HW on to the right front head pipe extension Y356RB and install the extension to the right front head pipe. The clamp bolt should be on the bottom facing outward, do not fully tighten the clamp at this time, repeat for the left side Y357RB (with side stand stopper).
5. Install the right side collector assembly Y358RB (with O<sup>2</sup> bung) on to the right side head pipes with the supplied springs. Repeat for the left side with Y359RB.
6. Install the rubber isolator straps onto the muffler band clamps.
7. Slide the band clamp assembly over the muffler body, and align to the muffler support bracket. NOTE: Be sure that the rubber isolator strap is properly engaged onto the band clamp to prevent scratching the muffler finish. Attach the muffler to the support bracket with the supplied hardware, M8x25mm bolt and M8 Nut. Do not fully tighten at this time.
8. Repeat steps 4-7 for the right side muffler assembly.
9. Align both mufflers from behind, tighten muffler band clamps first torque to 14-18 ft.lbs. next tighten the head pipe band clamps torque to a maximum of 75 in.lbs. Recheck alignment and adjust if necessary.
10. Apply a small amount of anti-seize compound to the threads of the original O<sup>2</sup> sensor. NOTE: Be careful not to get anti-seize on the sensor tip, it may affect sensor function.
11. Install the O<sup>2</sup> sensor into the right collector assembly Y358RB, torque the sensor to 22 ft.lbs.
12. Re-route and connect the sensor to the original location.
13. If using a fuel management system this would be the best time to install.
14. Re-install the seat cowl.
15. Re-install the side covers.
16. Re-install the passenger and rider seat.
17. Be sure to check and tighten all hardware.
18. 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.
19. You are now ready to start your motorcycle. Check for exhaust leaks.

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.vanceandhines.com](http://www.vanceandhines.com)

Vance & Hines

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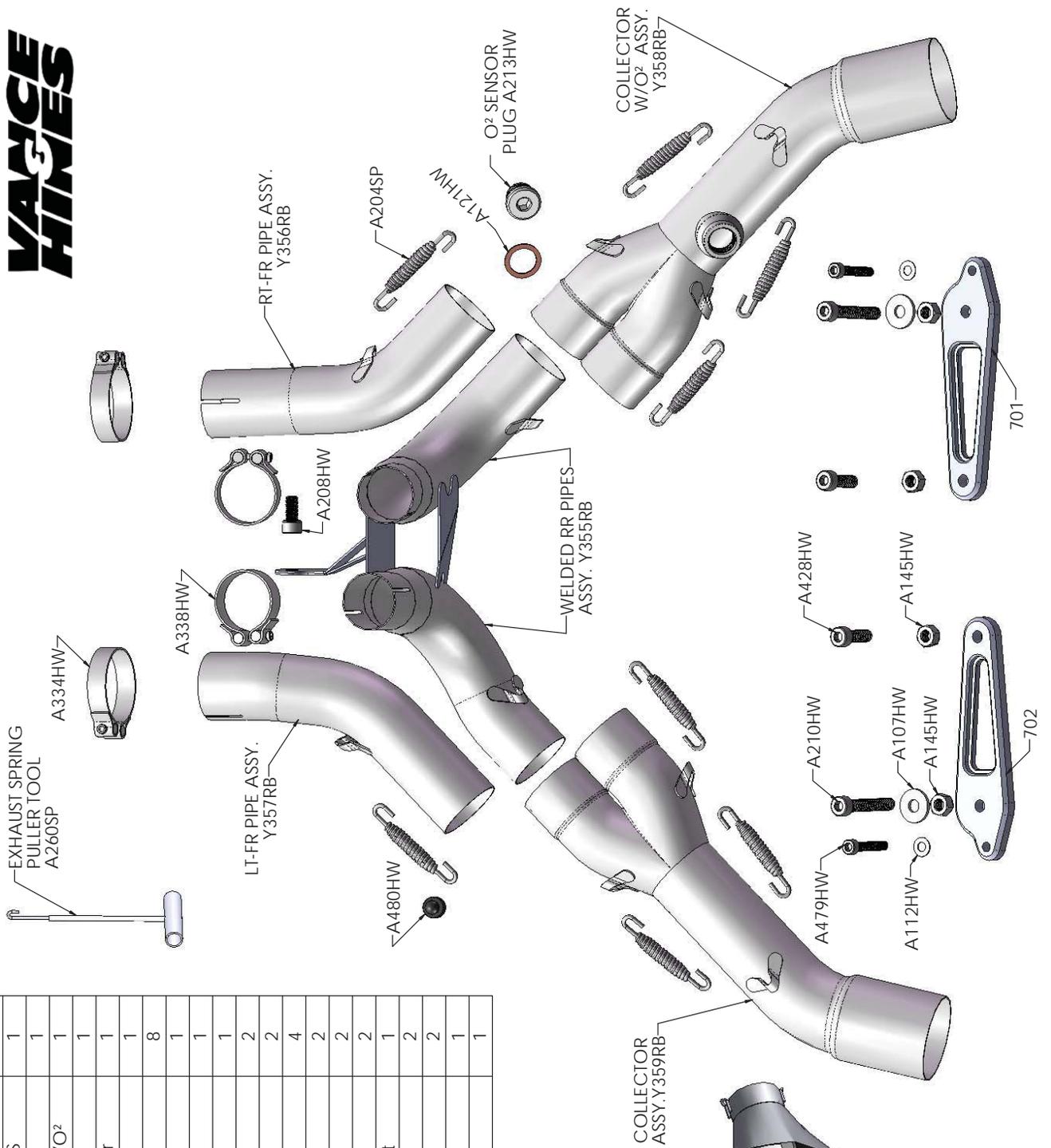
Opening Hours – Monday through Friday, 8am – 5pm, Pasific Standard Time

Vance & Hines exhaust systems are warranted against defects in material and workmanship for a period of 90 days from the date of purchase from an authorized dealer. This warranty does not cover discoloration of any coated finishes. This warranty is limited to the repair or replacement of a product proven to be defective from normal use. Vance & Hines exhaust systems are designed to fit and operate on OEM motor and chassis. This warranty does not cover any product subject to abuse, misuse, improper installation or modification.

# 74-104-15 YAM V-MAX SLIP-ONS COMPETITION SERIES EXHAUST SYSTEM



74-104-15 PARTS LIST		
PART NO.	DESCRIPTION	QTY.
Y356RB	Rt-Fr Hd Pipe Assy, 74-104-4 SS	1
Y357RB	Lt-Fr Hd Pipe Assy, 74-104-6 SS	1
Y355RB	Rr Hd Pipe Assy, 74-104-6 SS	1
Y358RB	Coil Assy, 2:1, 1 3/4 Sec 2-W/O <sup>2</sup>	1
A213HW	O <sup>2</sup> Sensor Plug 18mm, Steel	1
A121HW	Washer, 24x18x1mm, Copper	1
Y359RB	Coil Assy, 2:1, 1 3/4	1
A204SP	Spring	8
A480HW	Side Stand Bumper	1
701	Muffler Bracket, Right	1
702	Muffler Bracket, Left	1
A428HW	Bolt, M8x1.25x25mm	2
A107HW	Flat Washer, 5/16"	2
A145HW	Locknut, M8x1.25	4
A210HW	Bolt, M8 x 1.25 x 50mm	2
A112HW	Flat Washer Zinc, 1/4"	2
A479HW	SHCS M6 x 1 x 35mm	2
A208HW	SHCS M8x1.25x16mm, Zinc Plt	1
A338HW	Torque Clamp, Ø1 1/2"	2
A334HW	System Clamp, Ø1 7/8"	2
42519	Mufflers Kit	1
A260SP	Exhaust Spring Puller Tool	1



**PARTS UNLIMITED SKU:**

STOCK EXHAUST: 45.9 lbs  
 74-104-6: 14.5 lbs