



**RIVA RACING**  
PERFORMANCE PRODUCTS & ACCESSORIES

## Yamaha O2 Sensor Mounting Kit

**PART# - RY15040-TP-O2**



**APPLICATION(S):** 2012 & Newer 1.8L Engine Models

We strongly recommend the use of a service manual to familiarize yourself with the various components and procedures involved with this installation. Please note that some of the original clamps, hoses and hardware removed in the disassembly process will be used in the installation process. These instructions have been written in step-by-step format and refer to illustrations. Read through instructions entirely before performing installation. Please follow these step-by-step instructions and illustrations carefully.

**\*\*\* ALLOW ENGINE TO COOL COMPLETELY BEFORE PERFORMING INSTALLATION \*\*\***

### **Recommended Tools**

Yamaha Exhaust Pipe Wrench  
Large Breaker Bar  
Secure Bench Vise  
Flexible Wire Long Reach Hose Clamp Pliers

### **Part#**

YW-06726 (90890-06726-00)  
N/A  
N/A  
N/A

## **- INSTALLATION INSTRUCTIONS -**

### **Super High Output Engines Only:**

Remove plastic engine cover (2 screws).

Remove engine cover brackets (2 – exhaust side only).



Disconnect cooling line at tail pipe. Remove exhaust temperature sensor from tail pipe.



Disconnect cooling line from top of regulator/rectifier.

Remove bolts (2) securing regulator/rectifier to engine.

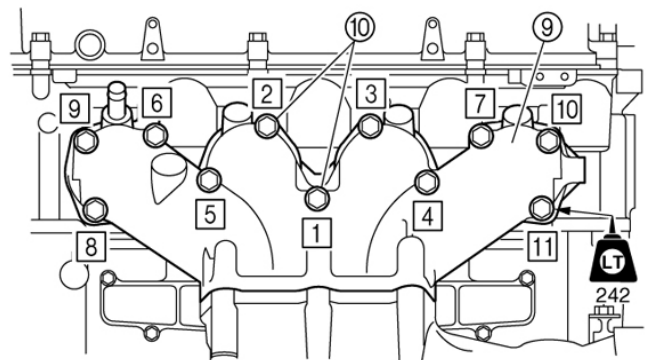
Disconnect cooling line at bottom of regulator/rectifier.

Move regulator/rectifier to intake side of engine compartment.

Loosen clamp securing coupler for exhaust pipe to water box inlet.



Remove bolts (11 total) securing exhaust pipe assembly to motor.





Remove bolt (1) securing exhaust pipe bracket to engine.



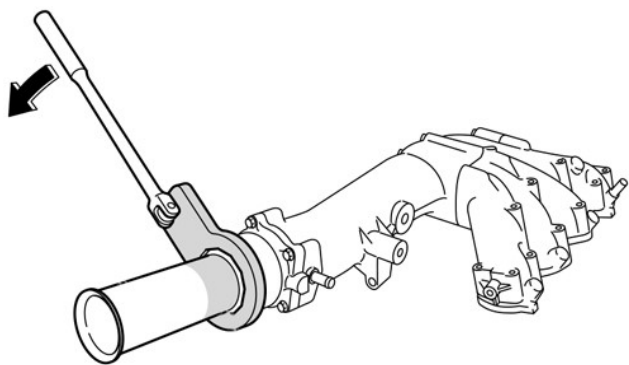
Rotate exhaust pipe assembly away from motor towards hull. Disconnect cooling line at underside of tail pipe.

Remove exhaust pipe assembly from hull by lifting up at front and then pulling forward to remove tail pipe from water box inlet.

Secure exhaust pipe assembly in a secure, heavy-duty bench vise. Apply heat to tail pipe extension.

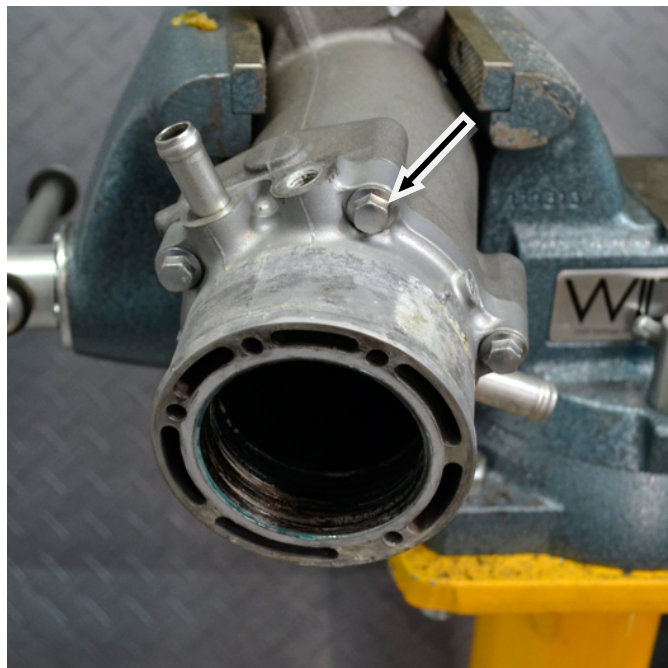


Using the Yamaha Exhaust Pipe Wrench part# YW-06726 (90890-06726-00) and a large breaker bar remove tail pipe extension. **CAUTION: Tail pipe will be extremely hot. Wear protective gloves when handling tail pipe extension.**



Allow tail pipe to cool thoroughly.

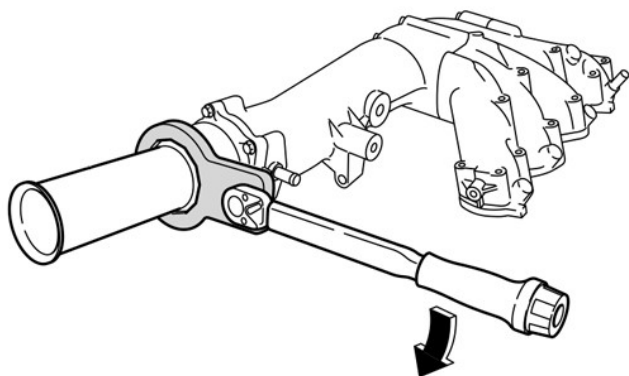
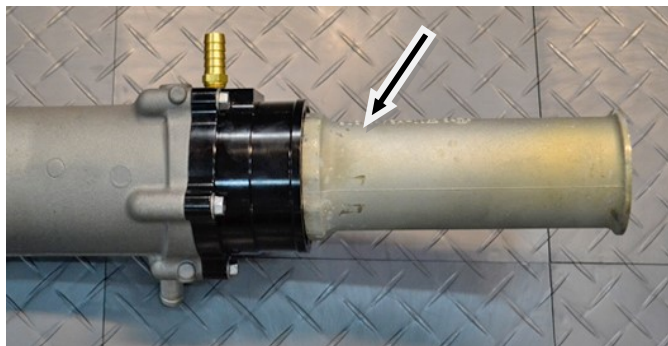
Remove tail pipe (5 bolts) and discard. Retain stock tail pipe gaskets.



Install supplied billet tail pipe with stock tail pipe gasket. **NOTE: NOTE: If exhaust gaskets are damaged, warped or corroded do not reuse. Apply blue Loctite to bolts. Torque in criss-cross sequence: 1st 11 ft•lb / 20N•m; 2nd 21 ft•lb / 29N•m**

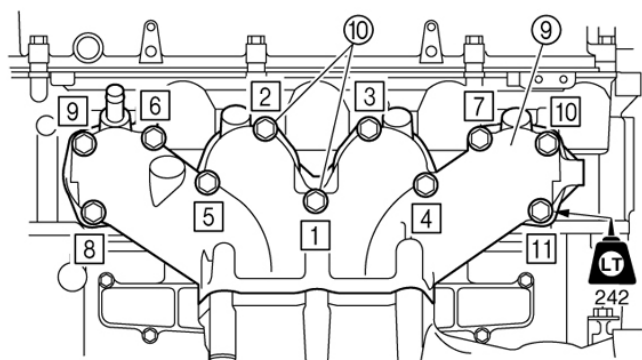


Install and secure tail pipe extension. **NOTE: Apply Loctite 648 to threads. Torque to 46 ft•lb / 63 N•m.**



Install exhaust pipe assembly into hull inserting tail pipe extension into water box inlet. Reconnect cooling line to underside of tail pipe and secure.

Secure exhaust assembly to engine. **NOTE: If exhaust gasket is damaged, warped or corroded do not reuse. Apply blue Loctite to bolts. Torque bolts in sequence:**

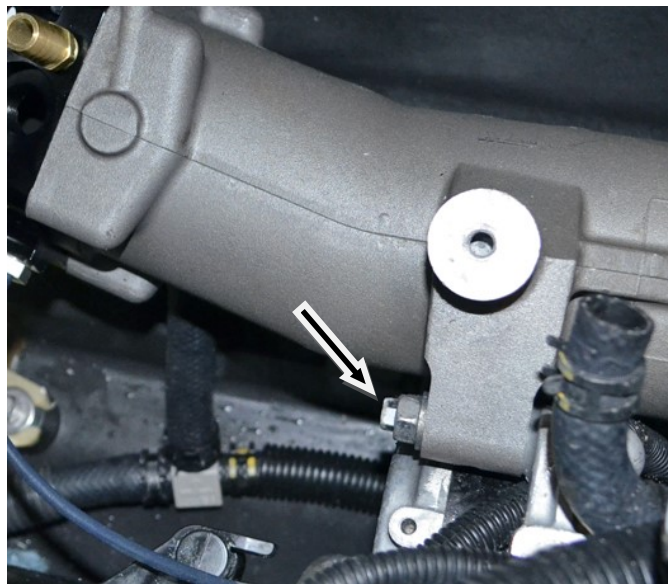


#### TORQUE SEQUENCE:

First: 14 ft•lb / 20 N•m

Second: 25 ft•lb / 35 N•m

Replace exhaust pipe bracket bolt. **NOTE: Apply blue Loctite to bolt. Torque to 31 ft•lb / 42 N•m.**



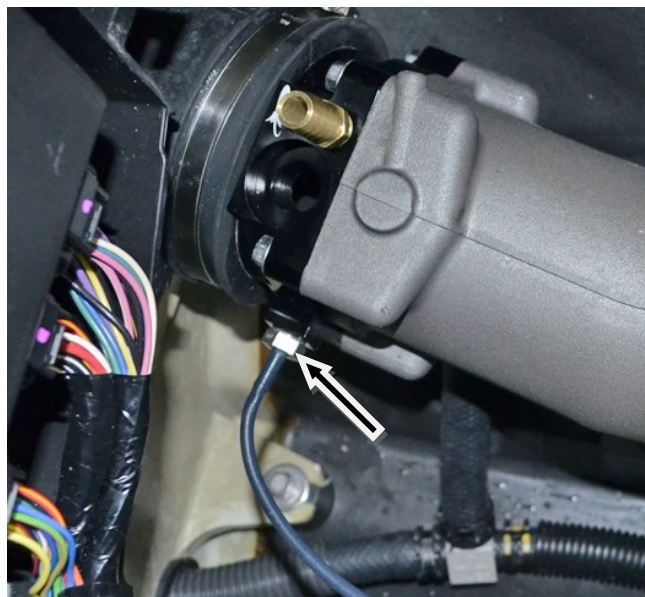
Tighten clamp securing coupler for exhaust pipe to water box inlet. **NOTE: Do not over tighten clamp.**

Reconnect cooling line to underside of regulator/rectifier.

Replace and secure (2 bolts) regulator/rectifier. **NOTE: Apply blue Loctite to bolts. Torque to 19 ft•lb / 26 N•m.**

Reconnect cooling line to top of regulator/rectifier.

Install exhaust temperature sensor into billet tail pipe. **NOTE: Apply Loctite 572 to threads. Torque to 15 ft•lb / 20 N•m.**





Connect cooling line from regulator/rectifier to tail pipe.



Install supplied stainless O2 sensor block-off fitting with crush washer. **NOTE: Apply Loctite 518 to threads. Torque to 28 ft•lb / 38 N•m.**

Replace engine cover brackets (2). **NOTE: Apply blue Loctite to bolts. Torque to 2 ft•lb / 3 N•m.**

Replace engine cover. **NOTE: Torque to 4 ft•lb / 5 N•m.**

The supplied billet O2 sensor installation & removal tool is designed to work with the Bosch O2 sensor. When installing do not over tighten or apply thread locking compound.

## **IMPORTANT**

We recommend using your O2 sensor during testing only and that it be removed when the craft is not in use. The moist environment of the exhaust system can cause corrosion to build up on the O2 sensor resulting in false readings or failure.

Check bilge for tools, rags, etc. Run craft on a flush kit to check for proper operation.

***Remember, the water belongs to everyone.  
Please ride responsibly and respect the environment!***

### **Technical Support**

For answers to questions regarding installation or trouble shooting RIVA Performance Products contact: RIVA Technical Support directly at (954) 247-0705 or by e-mail at [tech\\_support@rivamotorsports.com](mailto:tech_support@rivamotorsports.com).

### **Limited Warranty**

RIVA O2 Sensor Mounting Kits carry a 1-year limited warranty to the original purchaser. They are warranted to be free of defects in materials and workmanship under normal use and service. Customer modified components will be void of warranty. This warranty is limited to defects in the primary components only. Finish and/or wear marks in or on primary components are not covered under this warranty.

RIVA Racing's liability is expressly limited to the repair or replacement of the components contained within or associated with this kit. RIVA Racing agrees to repair or at RIVA's option, replace any defective unit without charge, if product is returned to RIVA Racing freight prepaid within the warranty period. Any equipment returned which, in RIVA's opinion, has been subjected to misuse, abuse, overheating or accident shall not be covered by this warranty.

RIVA Racing shall have no liability for special, incidental or consequential damages or injury to persons or property from any cause arising from the sale, installation or use of this product.

No other warranty, express or implied, including, but not limited to the implied warranties of merchantability and fitness for a particular purpose, applies. Various states do not allow for the limitation of incidental or consequential damages and therefore the above exclusion or limitation may not apply to you.

Warranty does not include the expenses related to freight or transportation of parts or compensation for any inconvenience or loss of use while being repaired. A copy of the original invoice and a Return Authorization Number (RA#) must accompany all warranty claims.

Warranted replacement parts will be returned freight collect.