



Yamaha 1.8L Engine Performance Valve Seals

RY19040-PVS-1



Applications: All Yamaha 1.8L PWC Engines

Recommended Specialty Tools:

RIVA Valve Compression Tool

Valve Stem Seal Installer/Remover Set

Part #

RY19040-VCT-1

N/A

Required Materials:

Yamalube 4W

Part #

N/A

Applications: All Yamaha 1.8L PWC Engines

Recommended Specialty Tools:

Valve Stem Seal Remover/Installation Set

Part #

N/A

Required Materials:

N/A

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N/A

GET THE LATEST UPDATES!

Prior to installation, go to the RIVA Racing online Instruction Library to download the latest version of these instructions:

<https://rivaracing.com/instructions>

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 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 *****

***** NO SMOKING *** NO SMOKING *** NO SMOKING *****

Caution: Whenever using electric or battery operated tools inside the hull be sure it is well ventilated and no fumes are present. Failure to do so could result in a fire, or explosion and serious personal injury or death.

- INSTALLATION INSTRUCTIONS -

Remove engine valve cover.

Remove cam shafts.

Working on one valve at a time and using RIVA Valve Compression Tool remove valve spring retainer, valve spring and base washer.

Carefully guide Valve Stem Seal Removal Tool down alongside valve stem until end is against cylinder head.

Place tool against valve guide and lift up against base of valve seal. Carefully lift straight up to remove valve seal.

TIP: While lifting with one hand use other to apply slight downward pressure on opposite end of tool to prevent tool from suddenly popping up when seal releases from valve guide.

Apply light coating of motor oil to inside of new valve seal. Place seal into installation end of Valve Stem Seal Tool.

Guide seal and tool straight down over valve stem until seal seats onto valve guide completely.

Replace valve spring base washer, valve spring and retainer.

Repeat above steps for remaining valve seals working on one at a time only. Move to next cylinder and repeat entire process.

Replace camshafts ensuring cam timing is set correctly.

Check bilge for rags, tools etc.

Run craft on a flush hose 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@rivaracing.com.

Due to the nature of performance applications these valve seals are sold without any express warranty or any implied warranty of merchantability or fitness for a particular purpose. RIVA Racing shall not, under any circumstances, be liable for any special, incidental or consequential damages, including, but not limited to damage, or loss of profits or revenue, cost of purchased or replacement goods, or claims of customers of the purchaser, which may arise and/or result from sale, installation or use of these valve seals. Installation may adversely affect the vehicle manufacturer's warranty coverage.