

*Thank you for purchasing an OMI ViperHead. This head has been designed to help you obtain maximum performance from your engine. In order for you to get the ultimate performance from the ViperHead please read this manual carefully.*

## **Contents:**

ViperHead	(1)
Head shim .008	(1)
Head shim .004	(1)

The ViperHead single glow plug version was designed to accomplish 2 things.

- 1.** Better Cooling
- 2.** Smaller Size for ease of installation

The ViperHead single glow was developed for the current OS.91SX-H "C" Spec as well as the OS.91SX-H. Please see table below for our recommended shim usage.

OS.91SX-H	1(.008 shim plus {1} .004 shim)
OS.91SX-H "C" Spec	1(.008 shim)

The ViperHead dual glow plug version is a high compression head which accomplishes 6 things.

- 1.** Increases Power
- 2.** Better Cooling
- 3.** Improves Combustion
- 4.** Smaller Size for ease of installation
- 5.** Improves Sound
- 6.** Eliminates unwanted dead engine autos

The ViperHead dual glow was developed for the OS.91SX-H "C" Spec as well as the OS.91SX-H. Please see table below for recommended shim usage.

OS.91SX-H	2(.008 shims below 75 degrees F.)
	1(.008 shim plus {1} .004 shim above 75 degrees F.)
OS.91SX-H "C" Spec	Same as above

When mounting your new ViperHead please note there is an offset in the shape. The longer portion of the head will go to the back of the engine allowing heat to transfer away from the engine. You will note that this places the angled plug towards the back of the engine as well.

The single glow version of the ViperHead uses the same type of plug that you have used in the past whereas the dual glow version will use (1 hot plug, A3, #8, or Enya3) and (1 cold plug, A5 or Enya 4~5). The hot plug goes in the angled position. We have used a very high grade of Aluminum that is very hard so please be sure to tighten the plugs securely. When using the dual glow version it is not necessary to light both plugs when starting as the second plug will light by the time you reach hover RPM.