

INSTALLATION INSTRUCTIONS

DESCRIPTION: GYTR® Ported Cylinder Head Kit
 PART NUMBER: B2W-E11B0-V0
 MODEL: '20~ YZ450F



⚠WARNING

Please read and understand these instructions completely before installation to avoid possible injury, or damage to the accessory or vehicle.

IMPORTANT: In the U.S., YZ models are for closed-course competition only regardless of modification. YZ models do not meet federal or state emission standards for recreational off-road use.

For best performance in the U.S. market, install the Ported Cylinder Head Kit in conjunction with these accessories:

- GYTR High Flow Air Filter p/n# **BR9-E41C0-V0**
- GYTR Piston p/n# **B2W-E16A0-V0**
- GYTR by FMF Headpipe p/n# **B2W-E46A0-V0/T0**
- GYTR by FMF Factory 4.1 p/n# **B7B-E47A0-V0**

See the Yamaha Accessory website for recommended GYTR Power Tuner settings for U.S. spec motorcycles.

WARRANTY INFORMATION:

In the United States, see your authorized Yamaha dealer for a copy of the Yamaha Genuine Parts and Accessories Limited Warranty.

NOTICE:

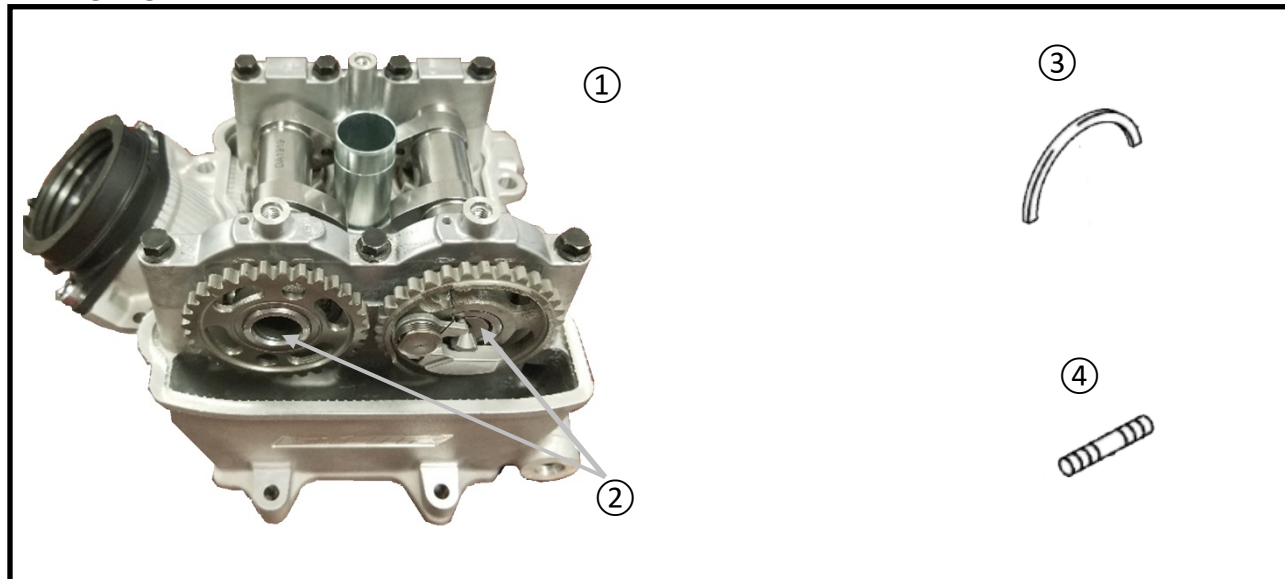
Installation of this kit requires specialized tools, and training, as well as the Owner's Service Manual for the model. This installation should be performed by an authorized Yamaha dealer or a qualified mechanic.

For best performance outside the U.S. market, contact your local distributor for a list of accessory kits, power tuner settings, and fuel requirements.

DEALER OR INSTALLER:

These instructions contain important information for future reference and *must* be given to the customer.

PARTS LIST:



No.	Part Number	Description	Qty
--	B2W-E11B0-V0	Ported Cylinder Head Assembly	--
①	*	Cylinder Head Assembly	1
②	B2W-E21F0-V0	GYTR Camshafts (pair)	1
③	93440-41178	Circlip	2
④	90116-06307	Exhaust Stud	2

* Part supplied with kit only and not available separately.

PREPARATION

- Stand the motorcycle on a secure and level surface. Clean all mounting surfaces before beginning installation.

INSTALLATION:

1. Use the appropriate Owner's Service Manual for the model as a guide for disassembly, installation, and reassembly for this kit.
2. Follow the procedures in the service manual to remove the seat, tank, front body panels, and air cleaner assembly from the motorcycle.
3. Remove and modify the stock air filter back panel. See Fig.1. The rectangular area bordered with the dotted line in Fig. 2 shows how much material needs to be removed. Cutout and use the template on page 3. **Tip:** Center the template, when you do the cutout.
4. Reinstall the modified air filter back panel.
5. Follow the procedures and use the torque settings found in the service manual to install the Cylinder Head Assembly.
6. Inspect valve clearances before operating engine and adjust if necessary. Refer to service manual.

MAINTENANCE:

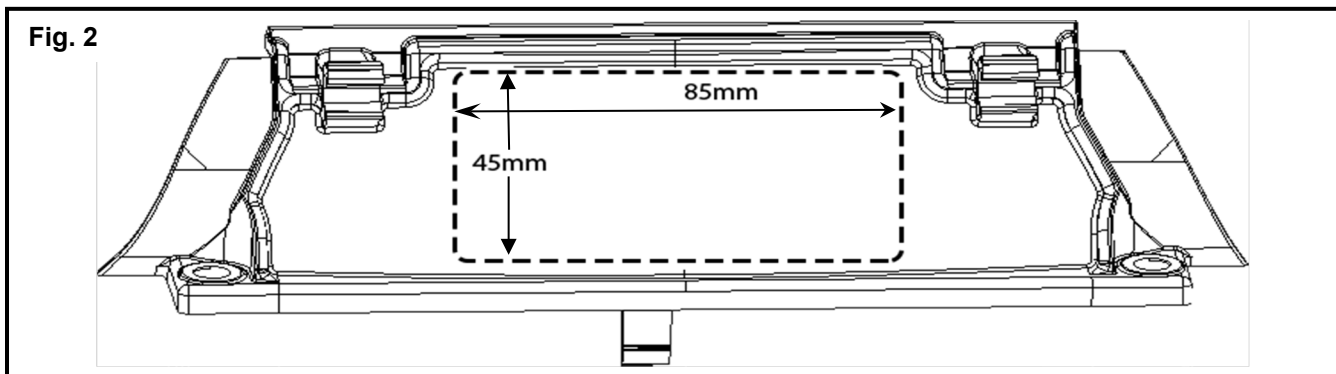
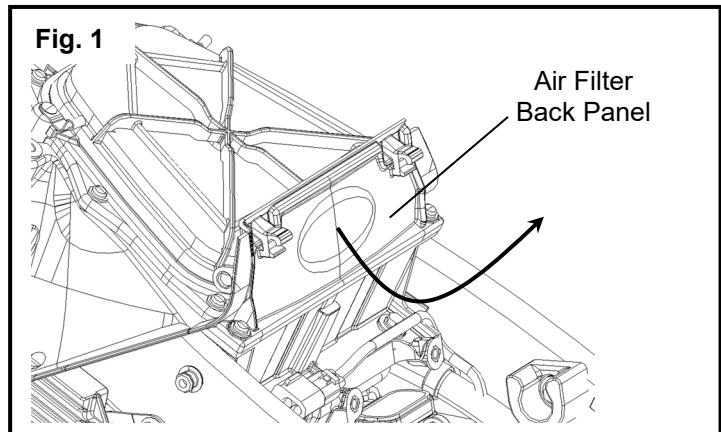
Periodically check all hardware and re-torque as needed.

- Change oil and oil filter every 4 hours of engine time.
- Change piston, piston pin, and oil rings as a set, every 12.5 hours of engine time.
- Inspect valves, valve springs, valve lifters, camshafts, cylinder head, and cylinder every 12.5 hours of engine time. Replace components as needed.

CUSTOMER SERVICE:

For further information see your Yamaha dealer.

ESTIMATED TIME TO INSTALL: 2.8 HRS



Engine Configuration:

- B2W-E11B0-V0 GYTR Ported Cylinder Head Kit
- BR9-E41C0-V0 GYTR Air Filter Kit
- B2W-E16A0-V0 High Compression Piston Kit
- BR9-E47A0-V0 GYTR by FMF Muffler
- B2W-E46A0-V0 GYTR by FMF Header

Template for Cutout

Cut this template out. Use it to mark the stock air filter back panel. Remove this material from the air filter back panel. Check the measurements. It should measure 84mm width x 45mm height.



Tip: If you are printing this instruction please set the print options to Print Actual Size', do not 'Scale to Fit Page'.

GYTR Engine w/ VP U4.4 Racing Gasoline												
№ 1	Fuel		RPM				Ignition		RPM			
			2,000	3,500	6,000	10,000			2,500	4,500	8,000	10,000
	Throttle	90%	-2	0	0	-1	Throttle	80%	1	2	2	-3
		65%	1	-1	2	0		45%	1	2	2	1
		30%	0	-2	1	0		15%	2	3	1	0
		10%	-2	-3	-1	-1		5%	1	2	0	0
Note : Racing power map for ultimate performance Increases throttle response and pulling power feeling through entire RPM range Smooth power delivery from low to high RPM												