

INSTALLATION INSTRUCTIONS

DESCRIPTION: GYTR® High Perf. Camshafts
 PART # 2HC-E21F0-V0
 MODEL: '16~ YXZ1000R



⚠ WARNING

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

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, the High Performance Camshafts must be installed in conjunction with these kits:

- GYT-YXZEX-FS-00 GYTR BY Dasa Full Exhaust
- SXS-YXZPC-V0 Power Commander

The Following components are recommended to be installed in the listed order.

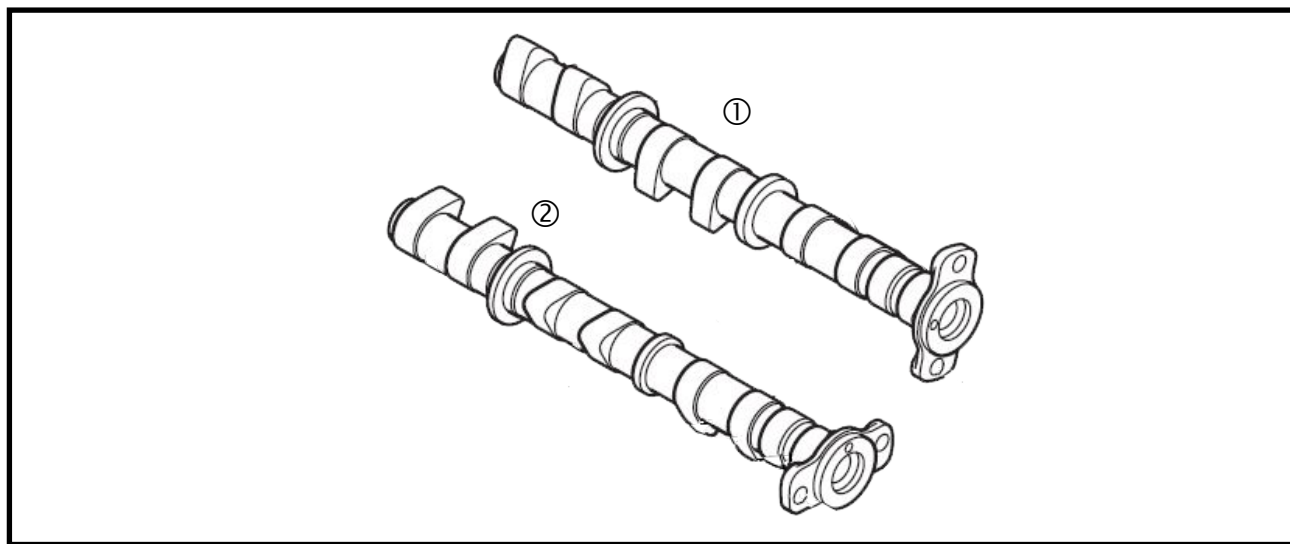
- 2HC-E41H0-V0 GYTR Air Boot Kit
- 2HC-E165B-V0 GYTR Connecting Rod kit
- 2HC-E16A0-V0 GYTR High Compression Piston Kit

WARRANTY INFORMATION:

- Genuine Yamaha GYTR accessories for YXZ models are designed for closed course competition use only. These accessories are covered by a 30-day limited warranty against defects in material or workmanship. Labor for replacement of defective components is not covered. See your Yamaha dealer for a copy of the limited warranty statement.
- The Limited Warranty provided with new Yamaha YXZ vehicles has exclusions for certain failures, including those caused by modification to original parts as well as abnormal strain or abuse. While installation of these GYTR components will not "void" your vehicle's warranty, specific failures adjudged by Yamaha to have resulted from the installation of accessory components or other modifications will not be covered by warranty.

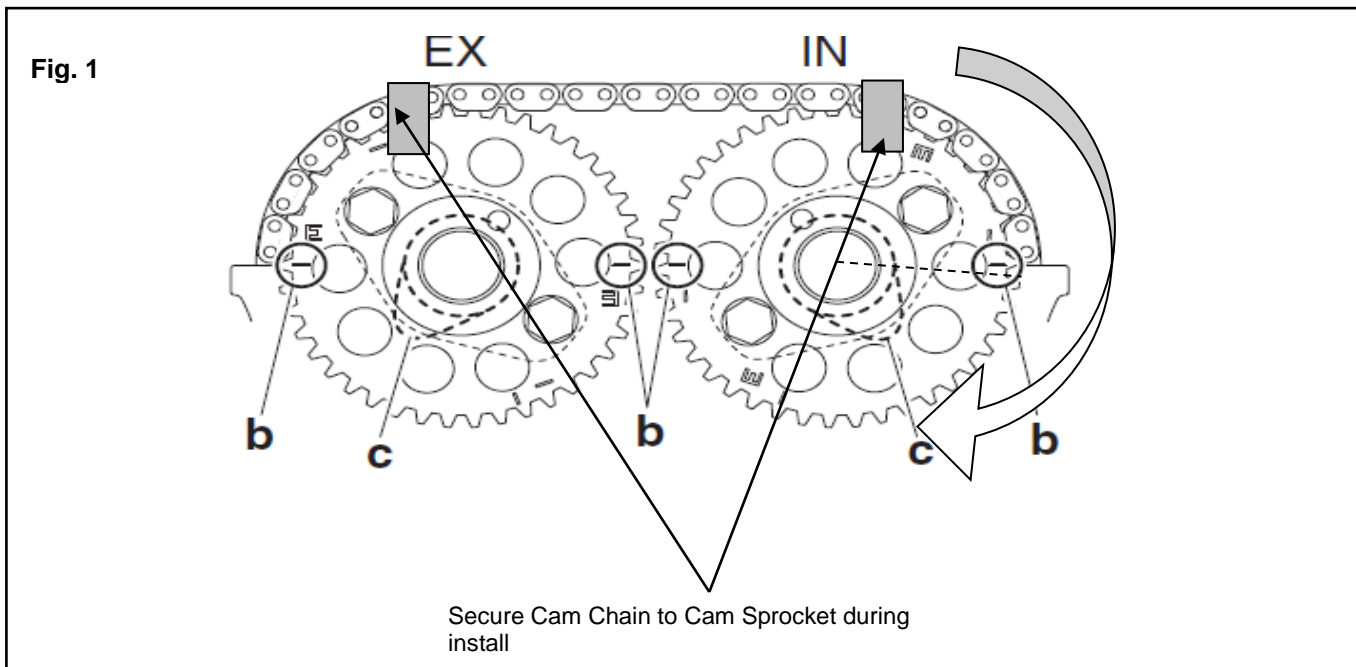
DEALER OR INSTALLER:

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



No.	Part Number	Description	Qty
--	2HC-E21F0-V0	GYTR® High Perf. Camshafts	--
①	*	Intake Camshaft	1
②	*	Exhaust Camshaft	1

* Part supplied with kit only and not available separately.



PREPARATION

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

INSTALLATION:

The High Performance Cam Shaft Kit is designed for use with the stock YXZ engine.

- Please refer to the Yamaha Service Manual for detailed disassembly and assembly procedures for Camshafts.
- Remove the stock Cam Sprockets and install on the High Performance Cams

Note: The cam profile differs from stock. During installation of the cam chain do not align 'b' to 'b' horizontally. Rotate the IN cam sprocket $\frac{1}{2}$ a tooth clockwise. When camshaft caps are tightened the sprocket will align. See Fig. 1.

- **Avoid altering mechanical timing during install. Use a cable tie on each cam sprocket to lock cam chain to cam sprocket. See Fig. 1.**
- **Page 5-17. Replace Step 8.**
"Keep constant downward pressure with our hand on the cam chain, between the two cam sprockets, and turn the Crankshaft several turns clockwise." You don't want the cam chain to jump a tooth on the sprocket!

NOTICE:

- In order to achieve the longest life and best performance, carefully make necessary tuning adjustments to accommodate this component and other performance modifications, driving style and conditions.
- Use the right oil for best performance and maximum protection. Yamaha strongly recommends Yamalube® 15W-50 Full Synthetic Racing Oil (LUB-15W50-FS-12)
- Use a Power Commander to create and adjust fuel/ignition maps optimized for your engine configuration. See the Power Commander website for the fuel map library for your engine configuration.

MAINTENANCE:

Periodically check all hardware and re-torque as needed.

CUSTOMER SERVICE:

For further information see your Yamaha dealer.

ESTIMATED TIME TO INSTALL: 2.0 HRS