

## Yamaha YZF-R7 (22~) ST-2M Camshaft Kit

[ P/N: 700XX137200 ]

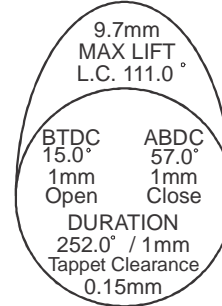
### Kit Contents

P/N	Description	Qty.
211-375-2200	Camshaft Set	1
VS-Y07	Valve Springs	8
A108	Valve Spring Seat Shims (Exhaust Side Only)	4

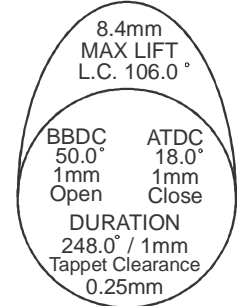
- Use OEM cam sprockets.
- Use valve spring seat shims for exhaust side only.
- Not compatible with decompression system.  
A high power lithium battery is recommended.
- Not compatible with OEM pistons.  
Aftermarket pistons are required.

### Specifications

#### INTAKE



#### EXHAUST



The above are designed values and may vary slightly from measured values.

### Usage notes

- This product is designed for closed course competition use only and is labeled as such, i.e. Yoshimura "RACE SERIES". Yoshimura RACE SERIES products are neither designed nor intended for use on public roads or land. Such use is prohibited by Federal and State regulations.
- Yoshimura R&D of America Inc. is not liable for any damages due to abuse, misuse, improper installation and/or modifications.
- It is required to adjust the fuel injection mapping for optimum performance.

### Safety precautions

**WARNING** It indicates potential hazards that may cause serious accidents.

- Installation should be done by a qualified technician.
- Camshafts must be checked with a degree wheel.
- Piston to valve clearance must be checked.
- Tappet clearance must be checked.
- Follow steps on instruction manual and refer to factory service manual when necessary.
- Make sure all bolts and nuts are torqued to factory specifications.

**CAUTION** It indicates potential hazards that may cause injury or product damages.

- Cool down engine and muffler before beginning installation of Yoshimura genuine parts.
- Make sure the Motorcycle is securely positioned on a flat surface.
- Apply oil to the sliding surface of each part before assembling the product.

## Installation

1. Before installing this product, be sure to inspect the peripheral parts and replace them if there is any wear or damage.
2. Remove OEM camshafts and springs, install this product in accordance with the factory service manual.
  - Install the valve springs with the closer coils facing down.
  - Adjust the valve clearance and set it to be within the specified values below.  
 Intake : 0.13 mm – 0.18 mm / 0.005” – 0.007” (cold)  
 Exhaust : 0.23 mm – 0.28 mm / 0.009” – 0.011” (cold)
  - After adjusting the valve clearance, measure and adjust the valve timing.
3. After Installing this product, adjust the air/fuel ratio using a fuel controller.

## After installation

1. Fill specified amount of new engine oil.
2. Remove the spark plugs and crank the engine to lubricate the system.
3. Verify that the oil level is within specifications and add oil as needed if necessary.
4. Re-install the spark plugs and start engine. Check for oil leaks and abnormal noise. Keep warm-up operation at 2000 to 3000 rpm until the oil reaches sufficient temperature.
5. During the first break-in, increase the engine speed in stages to make sure there are no problems. After running, check there for oil leaks, tighten bolts to factory specifications and check valve clearance.
6. Periodically check for abnormal wear on the cam or journal.



- Avoid idling for an extended period of time. If neglected, it may cause wear of camshafts.
- If any tuning or modification is made to set the oil pressure below OEM specifications, it may result in rapid wear of camshafts due to lack of lubrication.

## Valve clearance note

### INTAKE

	1	2	3	4
Clearance				
Shim				
Clearance				
Shim				
Clearance				
Shim				
Clearance				
Shim				
Clearance				
Shim				

### EXHAUST

	1	2	3	4
Clearance				
Shim				
Clearance				
Shim				
Clearance				
Shim				
Clearance				
Shim				
Clearance				
Shim				

If any failure is found, please stop installation and notify Yoshimura R&D of America, Inc. through the selling dealer. Yoshimura R&D of America, Inc. does not take any responsibility or liability for any damage or loss caused from use of this product.

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5420 DANIELS STREET STE A, CHINO CA., 91710 · (800) 634-9166 · (909) 628-4722 · FAX (909) 591-2198