

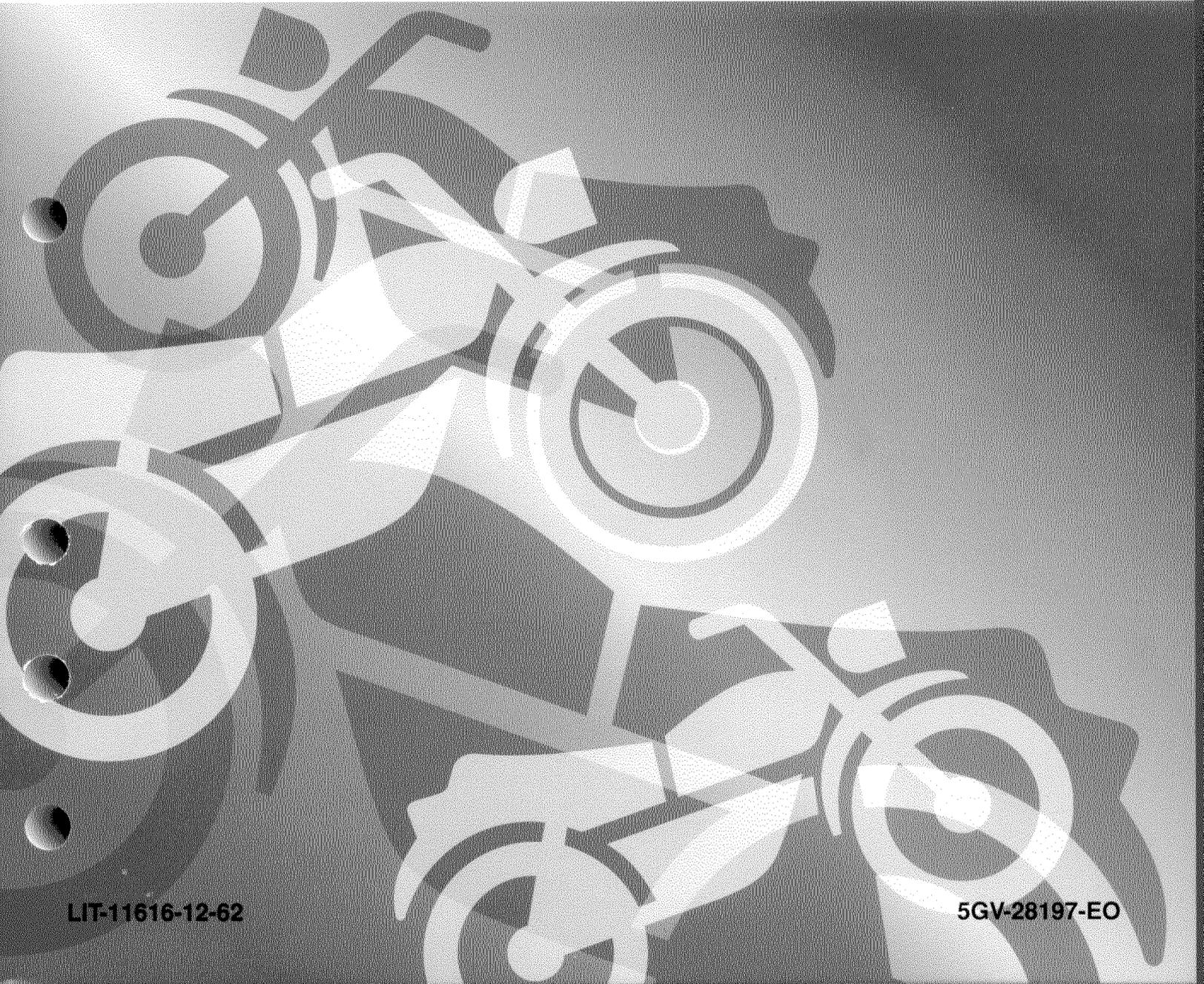


**YAMAHA**

**YZF-R6L**

**YZF-R6CL**

**Service Manual**



# HOW TO USE THIS MANUAL

This manual is intended as a handy, easy-to-read reference book for the mechanic. Comprehensive explanations of all installation, removal, disassembly, assembly, repair and check procedures are laid out with the individual steps in sequential order.

- ① The manual is divided into chapters. An abbreviation and symbol in the upper right corner of each page indicate the current chapter. Refer to "SYMBOLS".
- ② Each chapter is divided into sections. The current section title is shown at the top of each page, except in Chapter 3 ("PERIODIC CHECKS AND ADJUSTMENTS"), where the sub-section title(-s) appears.
- ③ Sub-section titles appear in smaller print than the section title.
- ④ To help identify parts and clarify procedure steps, there are exploded diagrams at the start of each removal and disassembly section.
- ⑤ Numbers are given in the order of the jobs in the exploded diagram. A circled number indicates a disassembly step.
- ⑥ Symbols indicate parts to be lubricated or replaced. Refer to "SYMBOLS".
- ⑦ A job instruction chart accompanies the exploded diagram, providing the order of jobs, names of parts, notes in jobs, etc.
- ⑧ Jobs requiring more information (such as special tools and technical data) are described sequentially.

⑥      ②      ①

CLUTCH    ENG

CLUTCH    ENG

④ →

⑤ →

③ →

⑧ →

**REMOVING THE CLUTCH**

1. Remove:

- clutch cover 1

**NOTE:**

Loosen each bolt 1/4 of a turn at time, in stages and in a crisscross pattern. After all of the bolts are fully loosened, remove them.

2. Straighten the lock washer tab.

3. Loosen:

- clutch boss nut 1

**NOTE:**

While holding the clutch boss 2, with the clutch holding tool 3, loosen the clutch boss nut.

Clutch holding tool  
90890-04086

4. Remove:

- clutch boss nut 1
- lock washer 2
- clutch boss assembly 3

**NOTE:**

There is a built-in damper between the clutch boss and the friction plate. It is not necessary to remove the wire circlip 4, and disassemble the built-in damper unless there is serious clutch chattering.

⑦ →

Order	Job/Part	Qty	Remarks
<b>Removing the clutch cover</b>			
	Bottom cowling and right side cowling		Remove the parts in the order listed. Refer to "COWLINGS" in chapter 3.
	Engines oil		Refer to "CHANGING THE ENGINE OIL" in chapter 3.
1	Clutch cable	1	
2	Clutch cover	1	
3	Clutch cover gasket	1	
4	Dowel pin	2	
For installation, reverse the removal procedure.			

③ →

⑧ →

**CHECKING THE FRICTION PLATES**

The following procedure applies to all of the friction plates.

1. Check:

- Friction plate
- Damage/wear → Replace the friction plates as a set.

2. Measure:

- Friction plate thickness
- Out of specification → Replace the friction plates as a set.

**NOTE:**

Measure the friction plate at four places.

Friction plate thickness  
2.9 - 3.1 mm  
◀Limit▶: 2.8 mm

4-36

4-43

## SYMBOLS

The following symbols are not relevant to every vehicle.

Symbols ① to ⑨ indicate the subject of each chapter.

- ① General information
- ② Specifications
- ③ Periodic checks and adjustments
- ④ Engine
- ⑤ Cooling system
- ⑥ Carburetor(-s)
- ⑦ Chassis
- ⑧ Electrical system
- ⑨ Troubleshooting

Symbols ⑩ to ⑰ indicate the following.

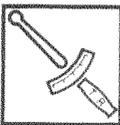
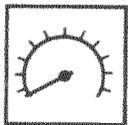
- ⑩ Serviceable with engine mounted
- ⑪ Filling fluid
- ⑫ Lubricant
- ⑬ Special tool
- ⑭ Tightening torque
- ⑮ Wear limit, clearance
- ⑯ Engine speed
- ⑰ Electrical data

Symbols ⑱ to ⑳ in the exploded diagrams indicate the types of lubricants and lubrication points.

- ⑱ Engine oil
- ⑲ Gear oil
- ⑳ Molybdenum disulfide oil
- ㉑ Wheel bearing grease
- ㉒ Lithium soap base grease
- ㉓ Molybdenum disulfide grease

Symbols ㉔ to ㉕ in the exploded diagrams indicate the following.

- ㉔ Apply locking agent (LOCTITE®)
- ㉕ Replace the part

① GEN INFO 	② SPEC 	
③ CHK ADJ 	④ ENG 	
⑤ COOL 	⑥ CARB 	
⑦ CHAS 	⑧ ELEC 	
⑨ TRBL SHTG ?	⑩ 	
⑪ 	⑫ 	
⑬ 	⑭ 	
⑮ 	⑯ 	⑰ 
⑱ 	⑲ 	⑳ 
㉑ 	㉒ 	㉓ 
㉔ 	㉕ <b>New</b>	

# INDEX

GENERAL INFORMATION	
	GEN INFO <b>1</b>
SPECIFICATIONS	
	SPEC <b>2</b>
PERIODIC CHECKS AND ADJUSTMENTS	
	CHK ADJ <b>3</b>
ENGINE OVERHAUL	
	ENG <b>4</b>
COOLING SYSTEM	
	COOL <b>5</b>
CARBURETORS	
	CARB <b>6</b>
CHASSIS	
	CHAS <b>7</b>
ELECTRICAL	
	ELEC <b>8</b>
TROUBLESHOOTING	
	TRBL SHTG <b>9</b>