

**YAMAHA**

**FZS600 '98**

**5DM1-AE1**

**SERVICE MANUAL**



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**FZS600**

**SERVICE MANUAL**

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## NOTICE

This manual was produced by the Yamaha Motor Company primarily for use by Yamaha dealers and their qualified mechanics. It is not possible to include all the knowledge of a mechanic in one manual, so it is assumed that anyone who uses this book to perform maintenance and repairs on Yamaha scooter has a basic understanding of the mechanical ideas and the procedures of scooter repair. Repairs attempted by anyone without this knowledge are likely to render the scooter unfit for use.

Yamaha Motor Company, Ltd. is continually striving to improve all its models. Modifications and significant changes in specifications or procedures will be forwarded to all authorized Yamaha dealers and will appear in future editions of this manual where applicable.

**NOTE:**

Designs and specifications are subject to change without notice.

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## IMPORTANT INFORMATION

Particularly important information is distinguished in this manual by the following.



The Safety Alert Symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

**⚠ WARNING**

Failure to follow WARNING instructions could result in severe injury or death to the motorcycle operator, a bystander or a person inspecting or repairing the motorcycle.

**CAUTION:**

A CAUTION indicates special precautions that must be taken to avoid damage to the motorcycle.

**NOTE:**

A NOTE provides key information to make procedures easier or clearer.

## 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 inspection procedures are laid out with the individual steps in sequential order.

①The manual is divided into chapters. An abbreviation and symbol in the upper right corner of each page indicate the current chapter. Refer to “SYMBOLS” on the following page.

②Each chapter is divided into sections. The current section title is shown at the top of each page, except in Chapter 3 (“Periodic Inspections and Adjustments”), where the sub-section title (-s) appear.

(In Chapter 3, “Periodic Inspections and Adjustments”, the sub-section title appears at the top of each page, instead of the section title.)

③Sub-section titles appear in smaller print than the section title.


④To help identify parts and clarify procedure steps, there are exploded diagrams at the start of each removal and disassembly section.

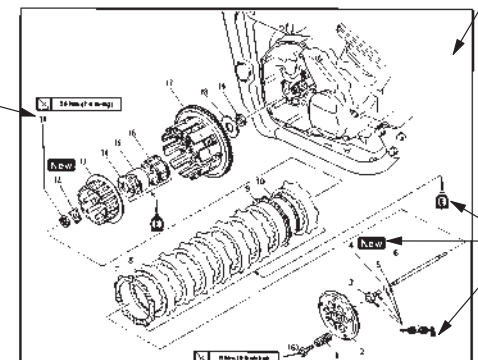
⑤Numbers are given in the order of the jobs in the exploded diagram. A circled number indicates a disassembly step.


⑥Symbols indicate parts to be lubricated or replaced (see “SYMBOLS”).

⑦A job instruction chart accompanies the exploded diagram, providing the order of jobs, names of parts, notes in jobs, etc.

⑧Jobs requiring more information (such as special tools and technical data) are described sequentially.

CLUTCH      ENG 



CLUTCH      ENG 

**REMOVING THE CLUTCH**

1. Straighten the lock washer tab.

2. Loosen  
• CLUTCH BOSS NUT ①

**NOTE:**  
While holding the clutch boss ② with the universal clutch holder ③, loosen the clutch boss nut.

3. Remove:  
• spacer ④  
• bearing ⑤

**NOTE:**  
Insert two M6-mm bolts ⑥ into the spacer and then remove the spacer by pulling on the bolts.

**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**  
2.94 ~ 3.05 mm  
Limit: 2.8 mm

**CHECKING THE CLUTCH PLATES**  
The following procedure applies to all of the clutch plates.

























1. Check:  
• Clutch plate  
Damage → Replace the clutch plates as a set.

2. Measure:  
• Clutch plate warpage  
Use a surface plate and thickness gauge ⑦  
Out of specification → Replace the clutch plates as a set.

**Clutch plate warpage limit**  
Less than 0.3 mm

**Order**

Order	Job name/Part name	Qty	Remarks
1	Removing the clutch	6	Remove the parts in the order listed
2	Compression spring	1	
3	Pressure plate	1	
4	Short clutch push rod	1	
5	O-ring	1	
6	Ball	1	
7	Long clutch push rod	1	Refer to "INSTALLING THE CLUTCH" section
8	Friction plate	8	
9	Clutch plate	1	
10	Friction plate (large)	1	
11	Clutch spring plate	1	
12	Nut	1	Refer to "REMOVING/INSTALLING THE CLUTCH" section.

① GEN INFO 	② SPEC 	
③ INSP 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 New	

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## 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 inspection and adjustment
- 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 ㉓ in the exploded diagrams indicate the types of lubricants and lubrication points.

- ⑱ Apply engine oil
  - ⑲ Apply gear oil
  - ⑳ Apply molybdenum disulfide oil
  - ㉑ Apply wheel bearing grease
  - ㉒ Apply lightweight lithium-soap base grease
  - ㉓ Apply molybdenum disulfide grease
- Symbols ㉔ to ㉕ in the exploded diagrams indicate the following:

- ㉔ Apply locking agent (LOCTITE®)
- ㉕ Use new one

# INDEX

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