

YAMAHA

YFZ350B

**SUPPLEMENTARY
SERVICE MANUAL**

FOREWORD

This Supplementary Service manual has been prepared to introduce new service and new data for the YFZ350B. For complete information on service procedures, it is necessary to use this Supplementary Service Manual together with following manual.

YFZ350T Service Manual (LIT-11616-05-87)
YFZ350A Service Manual (LIT-11616-07-46)

**YFZ350B
SUPPLEMENTARY
SERVICE MANUAL**

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LIT-11616-07-86

NOTICE

This manual was by the Yamaha Motor Company primary for use by Yamaha dealers and their qualified mechanics. It is not possible to put an entire mechanic's education into one manual, so it is assumed that person using this book to perform maintenance and repairs on Yamaha machine have a basic understanding of the mechanical concepts and procedures inherent in machine repair technology. Without such knowledge, attempt repairs or service to this model may render it unfit to use and/or unsafe.

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

TECHNICAL PUBLICATIONS
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YAMAHA MOTOR CO., LTD.

PARTICULARLY IMPORTANT INFORMATION

This material is distinguished by the following notation.



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 machine operator, a bystander, or a person inspecting or repairing the machine.

CAUTION:

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

NOTE:

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

HOW TO USE THIS MANUAL

CONSTRUCTION OF THIS MANUAL

This manual consists of chapters for the main categories of subjects. (See "Illustrated symbols")

- 1st title ① : This is a chapter with its symbol on the upper right of each page.
- 2nd title ② : This title appears on the upper of each page on the left of the chapter symbol. (For the chapter "Periodic inspection and adjustment" the 3rd title appears.)
- 3rd title ③ : This is a final title.

MANUAL FORMAT

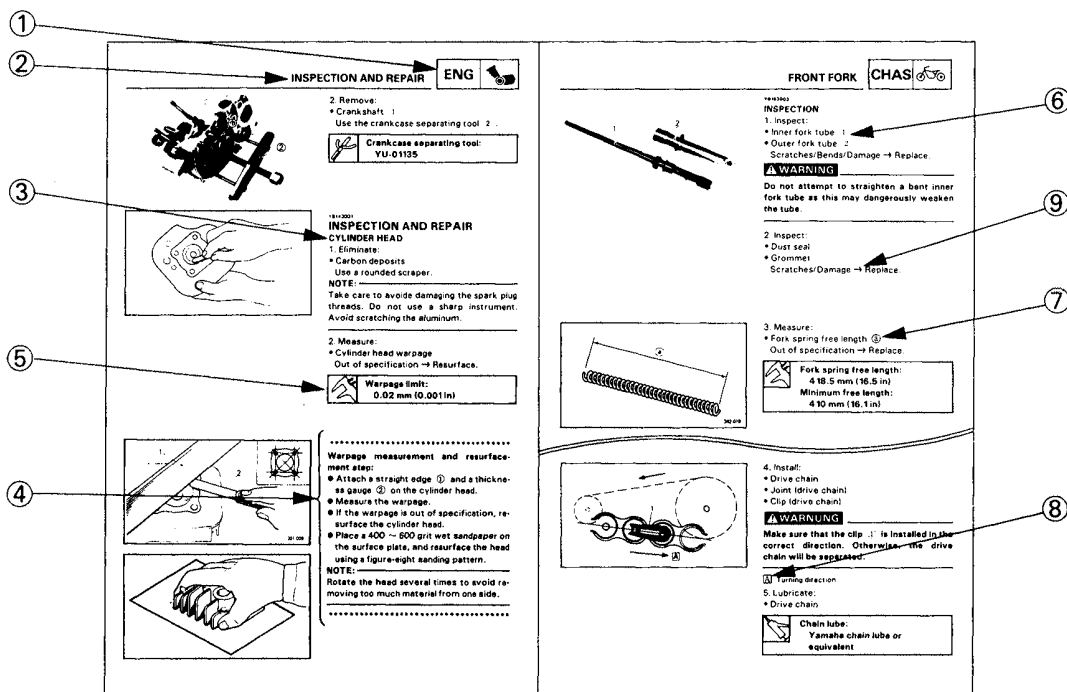
All of the procedures in this manual are organized in a sequential, step-by-step format. The information has been compiled to provide the mechanic with an easy to read, handy reference that contains comprehensive explanations of all disassembly, repair, assembly, and inspections. A set of particularly important procedure ④ is placed between a line of asterisks "*" with each procedure preceded by "●".












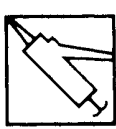



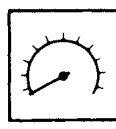








IMPORTANT FEATURES

- Data and a special tool are framed in a box preceded by a relevant symbol ⑤.
- An encircled numeral ⑥ indicates a part name, and an encircled alphabetical letter data or an alignment mark ⑦, the others being indicated by an alphabetical letter in a box ⑧.
- A condition of a faulty component will precede an arrow symbol and the course of action required the symbol ⑨.

EXPLODED DIAGRAM

Each chapter provides exploded diagrams before each disassembly section for ease in identifying correct disassembly and assembly procedures.



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

ILLUSTRATED SYMBOLS (Refer to the illustration)

Illustrated symbols ① to ⑩ are designed as thumb tabs to indicate the chapter's number and content.

- ① General information
- ② Specifications
- ③ Periodic inspection and adjustment
- ④ Engine
- ⑤ Cooling system
- ⑥ Carburetion
- ⑦ Drive train
- ⑧ Chassis
- ⑨ Electrical
- ⑩ Troubleshooting

Illustrated symbols ⑪ to ⑰ are used to identify the specifications appearing in the text.

- ⑪ Filling fluid
- ⑫ Lubricant
- ⑬ Special tool
- ⑭ Tightening
- ⑮ Wear limit, clearance
- ⑯ Engine speed
- ⑰ Ω , V, A

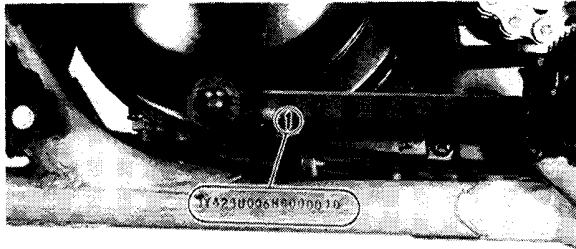
Illustrated symbols ⑱ to ㉔ in the exploded diagram indicate grade of lubricant and location of lubrication point.

- ⑱ Apply locking agent (LOCTITE®)
- ⑲ Apply engine oil
- ⑳ Apply gear oil
- ㉑ Apply molybdenum disulfide oil
- ㉒ Apply wheel bearing grease
- ㉓ Apply lightweight lithium-soap base grease
- ㉔ Apply molybdenum disulfide grease

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GENERAL INFORMATION



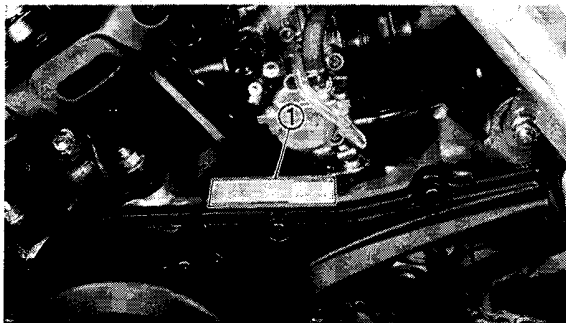
**MACHINE IDENTIFICATION
VEHICLE IDENTIFICATION NUMBER**

The vehicle identification number ① is stamped into the left side of the frame.

NOTE: _____

The vehicle identification number is used to identify your machine and may be used to register your machine with the licensing authority in your state.

**Starting serial number:
JY43GGA0*MC025101**



ENGINE SERIAL NUMBER

The engine serial number ① is stamped into the right side of the engine.

**Starting serial number:
3GG-025101**

NOTE: _____

- The first three digits of these numbers are for model identifications; the remaining digits are the unit production number.
- Designs and specifications are subject to change without notice.



Model	YFZ350B
REAR DISC BRAKE:	
Type	Single
Disc Outside Dia. × Thickness	220.0 × 3.5 mm (8.66 × 0.138 in)
Pad Thickness Inner	4.5 mm (0.18 in)
< Limit >	< 1.0 mm (0.04 in) >
Pad Thickness Outer	4.5 mm (0.18 in)
< Limit >	< 1.0 mm (0.04 in) >
Master Cylinder Inside Diameter	12.7 mm (0.50 in)
Caliper Cylinder Inside Diameter	33.96 mm (1.34 in)
Brake Fluid Type	DOT #4 or DOT #3

TIGHTENING TORQUE

The following shows only the differences from the YFZ350A.

Part to be tightened	Thread size	Tightening torque			Remarks
		Nm	m•kg	ft•lb	
Lower arm & Frame	M10 × 1.25	32	3.2	23	
Pivot shaft	M16 × 1.5	95	9.5	68	
Upper arm & Frame	M10 × 1.25	38	3.8	27	
Wheel panel & Wheel collar	M10 × 1.25	45	4.5	32	
Sprocket shaft collar & Driven sprocket	M8 × 1.25	24	2.4	17	

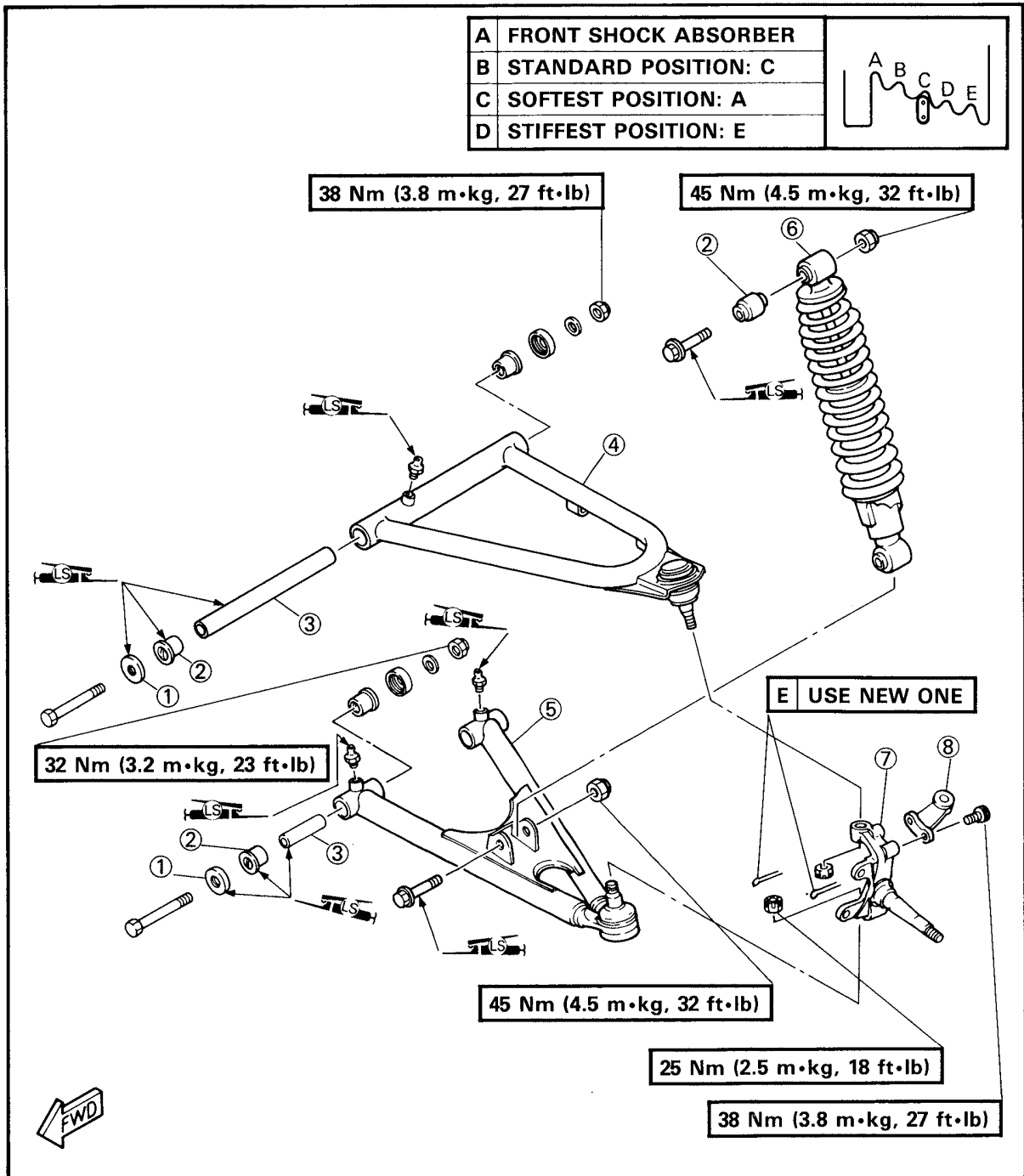
FRONT SHOCK ABSORBER AND FRONT ARMS



CHASSIS

FRONT SHOCK ABSORBER AND FRONT ARMS

- ① Thrust cover
- ② Bushing
- ③ Collar
- ④ Front arm (upper)
- ⑤ Front arm (lower)
- ⑥ Front shock absorber
- ⑦ Steering knuckle
- ⑧ Knuckle arm

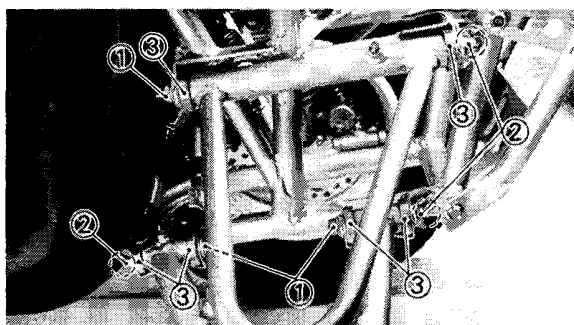


REMOVAL

1. Remove:

- Seat
- Rear fender
- Wheel hub
- Knuckle arm
- Front shock absorber
- Front bumper
- Steering knuckle
- Silencer
- Spring
- Stay (Exhaust pipe)

Refer to "YFZ350T Service Manual CHAPTER 6. FRONT SHOCK ABSORBER AND FRONT ARMS—REMOVAL" section for details.



2. Remove:

- Nuts (Front arm) ①
- Bolts (Front arm) ②
- Thrust cover ③
- Collars
- Bushings

NOTE:

Remove the bolt ② while pulling the exhaust pipe toward you.

FREE PLAY INSPECTION

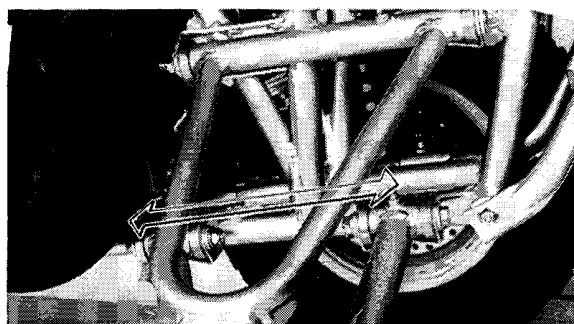
1. Remove:

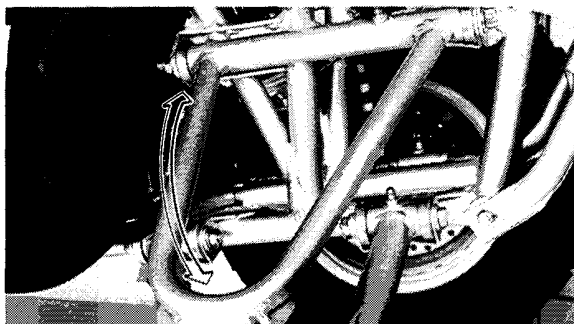
- Front wheels
- Front brake calipers
- Front hubs
- Tie-rods
- Steering knuckles
- Front shock absorbers

Refer to "REMOVAL" section.

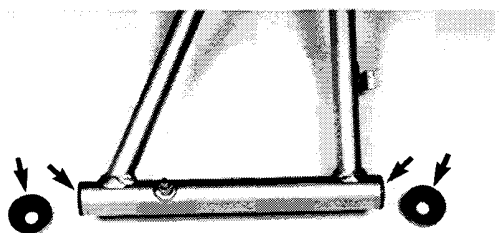
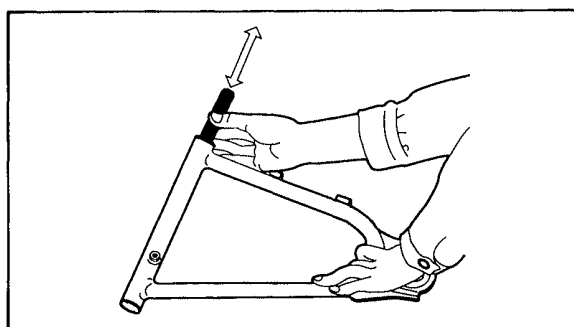
2. Check:

- Front arms (Side play)
Side play → Replace spacer and bushings as a set.
Move the front arms from side to side.
There should be no noticeable side play.





3. Check:
 - Front arms (Vertical movement)
Tightness/Binding/Rough spots → Replace spacer and bushings as a set.
Move the front arms up and down.

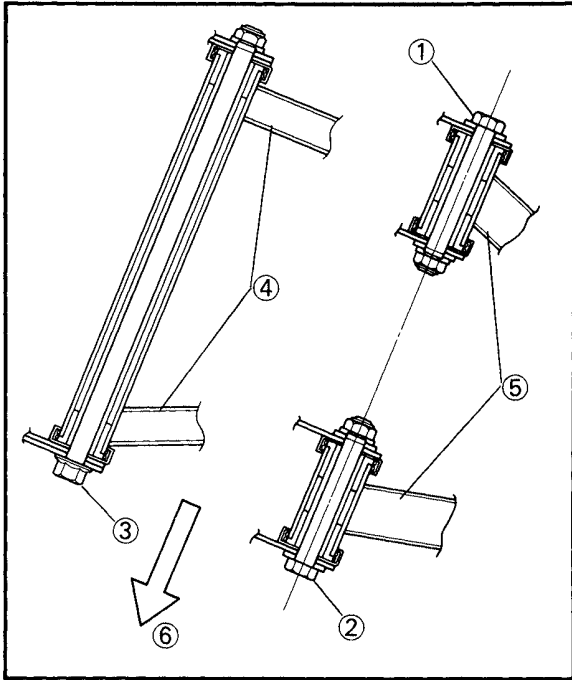


INSPECTION

Front Arms Inspection

1. Check:
 - Spacer free play
Spacer is loose → Replace spacer and bushings as a set.
Insert the spacer into the front arm, and check for free play.
2. Inspect:
 - Thrust covers
 - Bushings
Wear/Damage → Replace as a set.

FRONT SHOCK ABSORBER AND FRONT ARMS



INSTALLATION

When installing the front arms and shock absorber, reverse the removal procedure. Note the following points.

1. Install:
 - Front arms

NOTE:

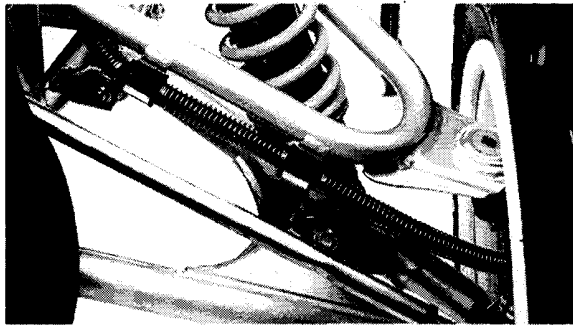
Be sure to position the bolts (upper and lower) ①, ②, ③ so that the bolt head face outward.

- ④ Front arm (Upper)
- ⑤ Front arm (Lower)
- ⑥ Forward

2. Tighten:
 - Nuts (Front arm)

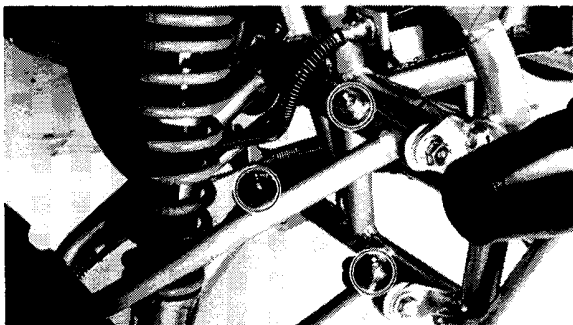


Nut (Front Upper Arm):
38 Nm (3.8 m•kg, 27 ft•lb)
Nuts (Front Lower Arm):
32 Nm (3.2 m•kg, 23 ft•lb)



⚠ WARNING

- Make sure the brake hoses are properly routed, and are not damage or twisted.



- 3 Lubricate:
 - Pivot points (Front arms)
 - Use a grease gun.



Lithium Base Grease

Refer to "YFZ350T Service Manual CHAPTER 6. FRONT SHOCK ABSORBER AND FRONT ARMS—INSTALLATION" section for details of installation for other than above specification.

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