

Product: 2001 Yamaha FZS1000(N) Motocycle Service Repair Workshop Manual
Full Download: <https://www.arepairmanual.com/downloads/2001-yamaha-fzs1000n-motocycle-service-repair-workshop-manual/>



YAMAHA

FZS1000(N) 2001

5LV1-AE1

SERVICE MANUAL

Sample of manual. Download All 403 pages at:

<https://www.arepairmanual.com/downloads/2001-yamaha-fzs1000n-motocycle-service-repair-workshop-manual/>

Product: 2001 Yamaha FZS1000(N) Motocycle Service Repair Workshop Manual

Full Download: <https://www.arepairmanual.com/downloads/2001-yamaha-fzs1000n-motocycle-service-repair-workshop-manual/>

Sample of manual. Download All 403 pages at:

<https://www.arepairmanual.com/downloads/2001-yamaha-fzs1000n-motocycle-service-repair-workshop-manual/>

EAS00000

FZS1000 (N)
SERVICE MANUAL
©2000 by Yamaha Motor Co.Ltd.
First edition, December 2000
All rights reserved. Any reproduction or
unauthorized use without the written
permission of Yamaha Motor Co., Ltd. is
expressly prohibited.

NOTICE

This manual was produced by the Yamaha Motor Company, Ltd. 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. Therefore, anyone who uses this book to perform maintenance and repairs on Yamaha vehicles should have a basic understanding of mechanics and the techniques to repair these types of vehicles. Repair and maintenance work attempted by anyone without this knowledge is likely to render the vehicle unsafe and unfit for use.

This model has been designed and manufactured to perform within certain specifications in regard to performance and emissions. Proper service with the correct tools is necessary to ensure that the vehicle will operate as designed. If there is any question about a service procedure, it is imperative that you contact a Yamaha dealer for any service information changes that apply to this model. This policy is intended to provide the customer with the most satisfaction from his vehicle and to conform with federal environmental quality objectives.

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: _____

- This Service Manual contains information regarding periodic maintenance to the emission control system. Please read this material carefully.
- Designs and specifications are subject to change without notice.

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 checking or repairing the motorcycle.

CAUTION:

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

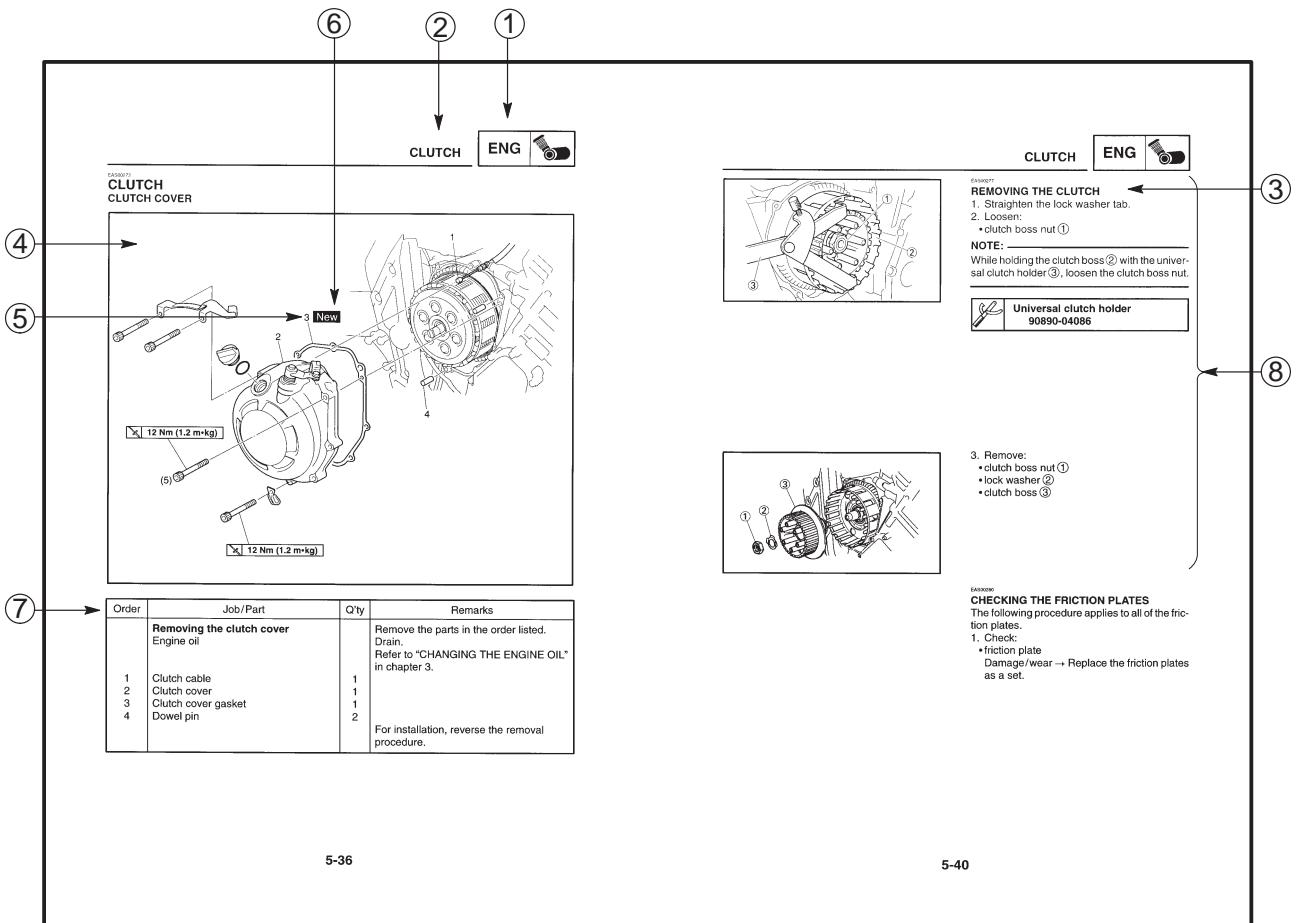
NOTE:

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 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" on the following page.
- 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.
- (In Chapter 3, "Periodic Checks and Adjustments", the sub-section title appears at the top of each page, instead of the section title.)
- 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 (see "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.



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

EAS00008

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 Chassis
- ⑤ Engine
- ⑥ Cooling system
- ⑦ Carburetor(-s)
- ⑧ Electrical system
- ⑨ Troubleshooting

Symbols ⑩ to ⑯ 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 ⑯ to ㉓ in the exploded diagrams indicate the types of lubricants and lubrication points.

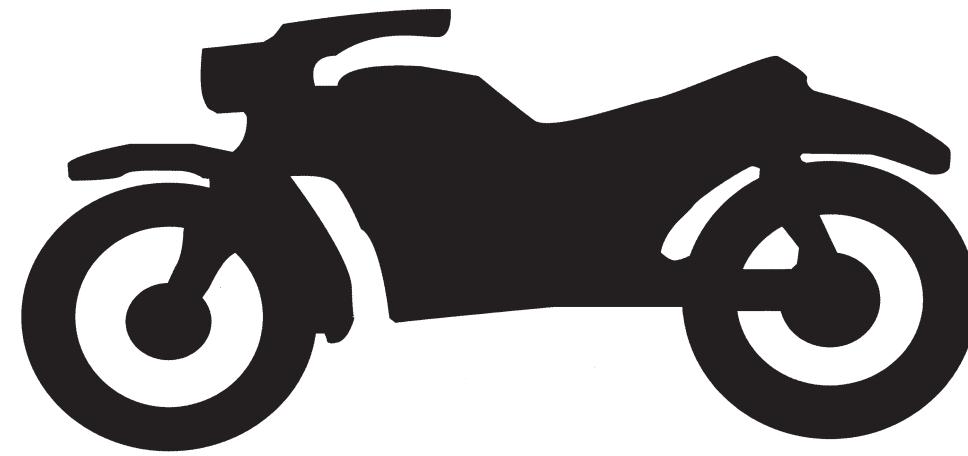
- ⑯ Engine oil
- ⑰ Gear oil
- ⑲ Molybdenum disulfide oil
- ㉑ Wheel bearing grease
- ㉒ Lithium soap base grease
- ㉓ Molybdenum disulfide grease

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

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

TABLE OF CONTENTS

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



**GEN
INFO** 1



CHAPTER 1 GENERAL INFORMATION

MOTORCYCLE IDENTIFICATION	1-1
VEHICLE IDENTIFICATION NUMBER	1-1
MODEL CODE	1-1
 IMPORTANT INFORMATION	1-2
PREPARATION FOR REMOVAL AND DISASSEMBLY	1-2
REPLACEMENT PARTS	1-2
GASKETS, OIL SEALS AND O-RINGS	1-2
LOCK WASHERS/PLATES AND COTTER PINS	1-2
BEARINGS AND OIL SEALS	1-3
CIRCLIPS	1-3
 CHECKING THE CONNECTIONS	1-4
 SPECIAL TOOLS	1-5

GEN
INFO





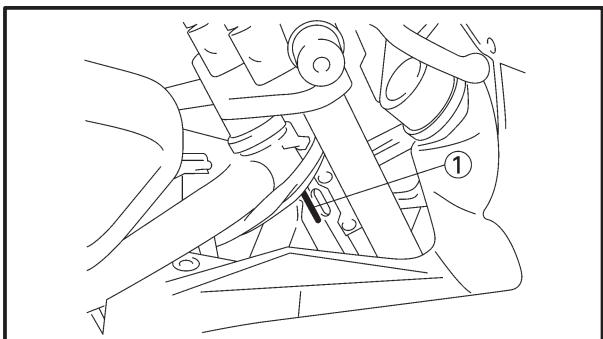
EAS00014

GENERAL INFORMATION MOTORCYCLE IDENTIFICATION

EAS00017

VEHICLE IDENTIFICATION NUMBER

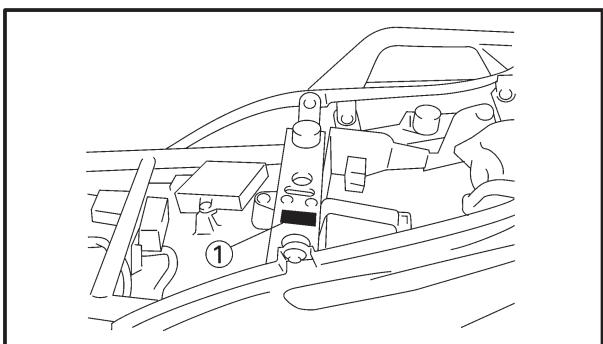
The vehicle identification number ① is stamped into the right side of the steering head.

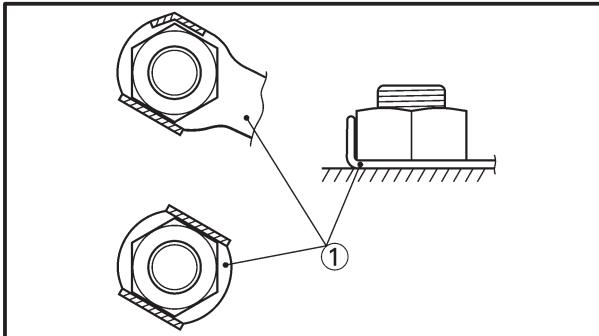
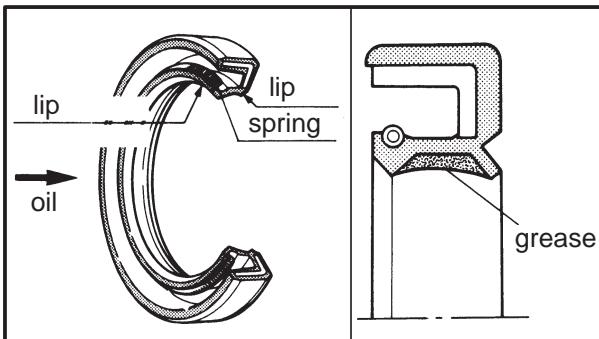
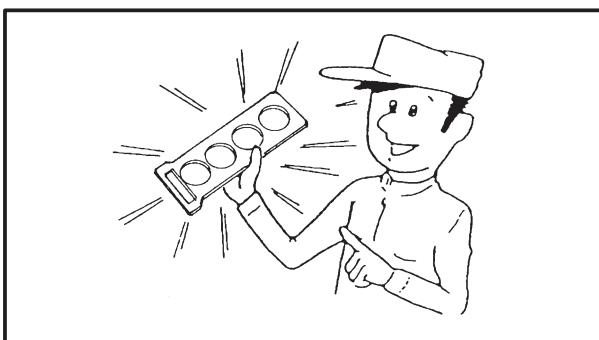
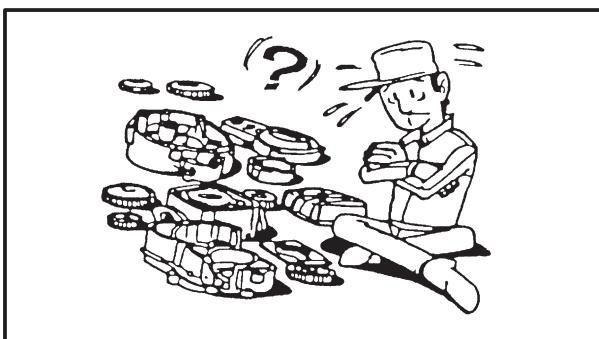
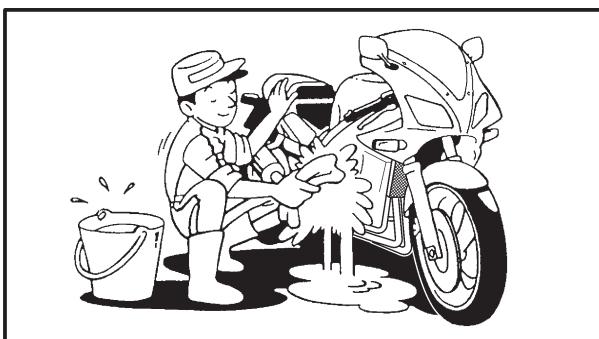


EAS00018

MODEL CODE

The model code label ① is affixed to the frame. This information will be needed to order spare parts.





EAS00020

IMPORTANT INFORMATION PREPARATION FOR REMOVAL AND DIS- ASSEMBLY

1. Before removal and disassembly, remove all dirt, mud, dust and foreign material.
2. Use only the proper tools and cleaning equipment.
Refer to the "SPECIAL TOOLS" section.
3. When disassembling, always keep mated parts together. This includes gears, cylinders, pistons and other parts that have been "mated" through normal wear. Mated parts must always be reused or replaced as an assembly.
4. During disassembly, clean all of the parts and place them in trays in the order of disassembly. This will speed up assembly and allow for the correct installation of all parts.
5. Keep all parts away from any source of fire.

EAS00021

REPLACEMENT PARTS

1. Use only genuine Yamaha parts for all replacements. Use oil and grease recommended by Yamaha for all lubrication jobs. Other brands may be similar in function and appearance, but inferior in quality.

EAS00022

GASKETS, OIL SEALS AND O-RINGS

1. When overhauling the engine, replace all gaskets, seals and O-rings. All gasket surfaces, oil seal lips and O-rings must be cleaned.
2. During reassembly, properly oil all mating parts and bearings and apply grease onto the oil seal lips with grease.

EAS00023

LOCK WASHERS/PLATES AND COTTER PINS

1. After removal, replace all lock washers/plates① and cotter pins. After the bolt or nut has been tightened to specification, bend the lock tabs along a flat of the bolt or nut.



EAS00024

BEARINGS AND OIL SEALS

1. Install bearings and oil seals so that the manufacturer's marks or numbers are visible. When installing oil seals, apply a light coat of lithium soap base grease onto the oil seal lips. Oil bearings liberally when installing, if appropriate.

① Oil seal

CAUTION:

Do not spin the bearing with compressed air because this will damage the bearing surfaces.

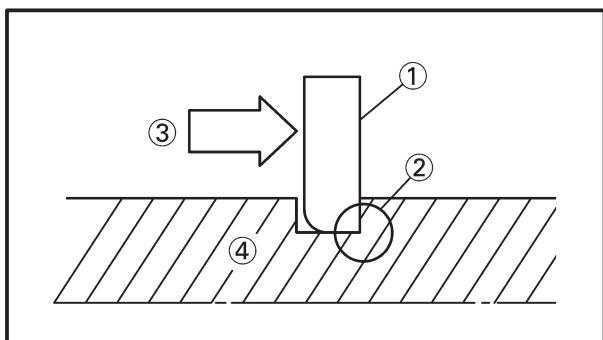
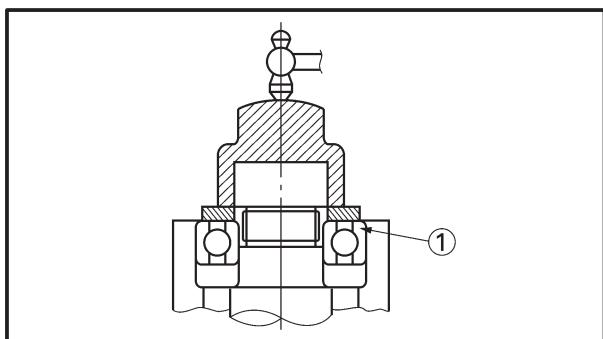
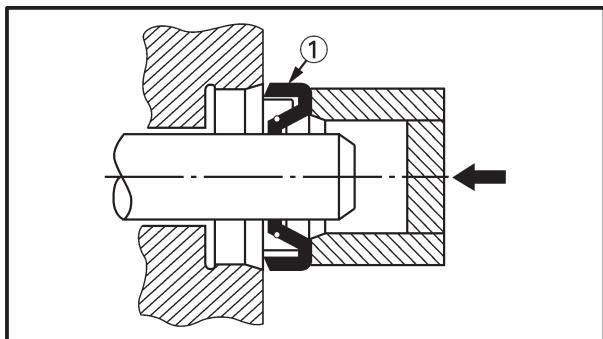
① Bearing

EAS00025

CIRCLIPS

1. Before reassembly, check all circlips carefully and replace damaged or distorted circlips. Always replace piston pin clips after one use. When installing a circlip ①, make sure that the sharp-edged corner ② is positioned opposite the thrust ③ that the circlip receives.

④ Shaft



CHECKING THE CONNECTIONS

GEN
INFO



EAS00026

CHECKING THE CONNECTIONS

Check the leads, couplers, and connectors for stains, rust, moisture, etc.

1. Disconnect:

- lead ①
- coupler ②
- connector ③

2. Check:

- lead
- coupler
- connector

Moisture → Dry with an air blower.

Rust/stains → Connect and disconnect several times.

3. Check:

- all connections
- Loose connection → Connect properly.

NOTE: _____

If the pin ① on the terminal is flattened, bend it up.

4. Connect:

- lead
- coupler
- connector

NOTE: _____

Make sure that all connections are tight.

5. Check:

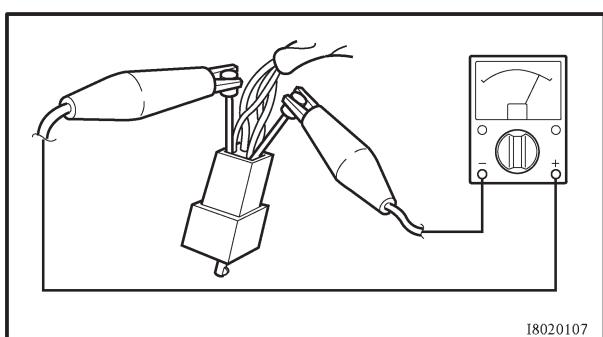
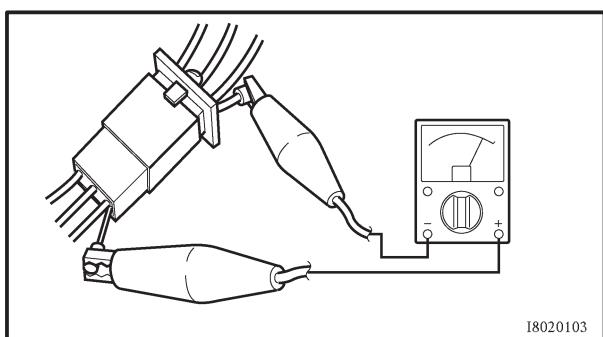
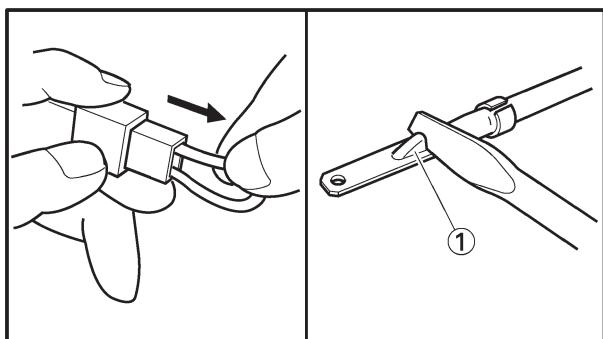
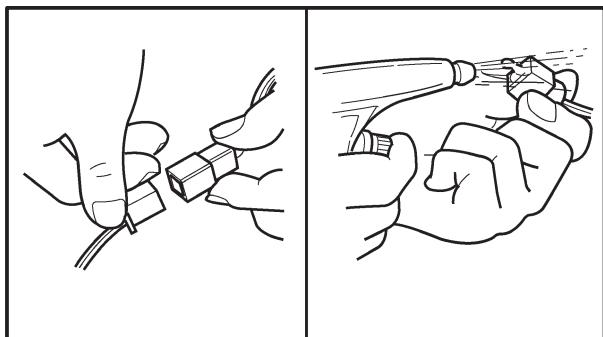
- continuity
- (with a pocket tester)



**Pocket tester
90890-03112**

NOTE: _____

- If there is no continuity, clean the terminals.
- When checking the wire harness, perform steps 1 to 3.
- As a quick remedy, use a contact revitalizer available at most part stores.

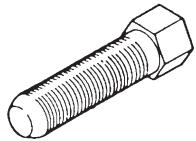
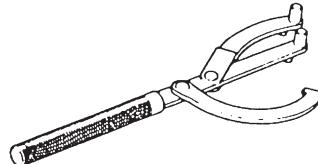
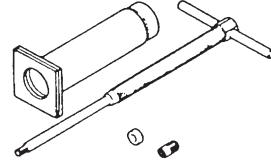
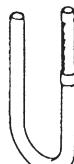
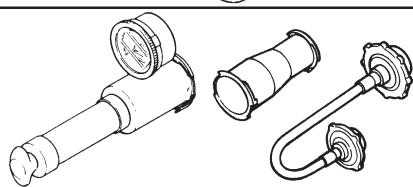
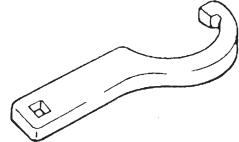
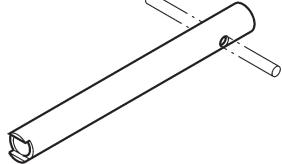




EAS00027

SPECIAL TOOLS

The following special tools are necessary for complete and accurate tune-up and assembly. Use only the appropriate special tools as this will help prevent damage caused by the use of inappropriate tools or improvised techniques. Special tools, part numbers or both may differ depending on the country. When placing an order, refer to the list provided below to avoid any mistakes.

Tool No.	Tool name/Function	Illustration
90890-01080	<p>Rotor puller</p> <p>This tool is used to remove the generator rotor.</p>	
90890-01235	<p>Rotor holding tool</p> <p>This tool is used to hold the generator rotor when removing or installing the generator rotor bolt or pickup coil rotor bolt.</p>	
90890-01304	<p>Piston pin puller set</p> <p>This tool is used to remove the piston pins.</p>	
90890-01312	<p>Fuel level gauge</p> <p>This tool is used to measure the fuel level in the float chamber.</p>	
Radiator cap tester 90890-01325 Adapter 90890-01352	<p>Radiator cap tester Adapter</p> <p>These tools are used to check the cooling system.</p>	
90890-01403	<p>Steering nut wrench</p> <p>This tool is used to loosen or tighten the steering stem ring nuts.</p>	
90890-01447	<p>Damper rod holder</p> <p>This tool is used to hold the damper rod assembly when loosening or tightening the damper rod assembly bolt.</p>	



Tool No.	Tool name/Function	Illustration
90890-01426	<p>Oil filter wrench</p> <p>This tool is needed to loosen or tighten the oil filter cartridge.</p>	
90890-01434	<p>Rod holder</p> <p>This tool is used to support the damper adjusting rod.</p>	
Rod puller 90890-01437 Rod puller attachment 90890-01436	<p>Rod puller</p> <p>Rod puller attachment</p> <p>These tools are used to pull up the front fork damper rod.</p>	
Fork seal driver weight 90890-01367 Fork seal driver attachment (ø43) 90890-01374	<p>Fork seal driver weight</p> <p>Fork seal driver attachment (ø43)</p> <p>This tool is used to install the front fork's oil seal and dust seal.</p>	
90890-03008	<p>Micrometer (50 ~ 75 mm)</p> <p>This tool is used to measure the piston skirt diameter.</p>	
Vacuum gauge 90890-03094	<p>Vacuum gauge</p> <p>This gauge is used to synchronize the carburetors.</p>	
Compression gauge 90890-03081 Compression gauge adapter 90890-04136	<p>Compression gauge</p> <p>Compression gauge adapter</p> <p>These tools are used to measure engine compression.</p>	
90890-03112	<p>Pocket tester</p> <p>This tool is used to check the electrical system.</p>	
90890-03113	<p>Engine tachometer</p> <p>This tool is used to check engine speed.</p>	

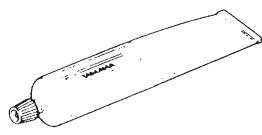
SPECIAL TOOLS

**GEN
INFO**



Tool No.	Tool name/Function	Illustration
90890-03141	Timing light This tool is used to check the ignition timing.	
90890-03173	Carburetor angle driver 2 This tool is used to turn the pilot screw when adjusting the engine idling speed.	
Valve spring compressor 90890-04019 Attachment 90890-04108 90890-04114	Valve spring compressor Valve spring compressor attachment These tools are used to remove or install the valve assemblies.	
Middle driven shaft bearing driver 90890-04058 Mechanical seal installer 90890-04078	Middle driven shaft bearing driver Mechanical seal installer These tools are used to install the water pump seal.	
90890-04086	Universal clutch holder This tool is used to hold the clutch boss when removing or installing the clutch boss nut.	
90890-04111 90890-04116	Valve guide remover ($\varnothing 4$) Valve guide remover ($\varnothing 4.5$) This tool is used to remove or install the valve guides.	
90890-04112 90890-04117	Valve guide installer ($\varnothing 4$) Valve guide installer ($\varnothing 4.5$) This tool is used to install the valve guides.	
90890-04113 90890-04118	Valve guide reamer ($\varnothing 4$) Valve guide reamer ($\varnothing 4.5$) This tool is used to rebore the new valve guides.	
90890-06754	Ignition checker This tool is used to check the ignition system components.	

SPECIAL TOOLS**GEN
INFO**

Tool No.	Tool name/Function	Illustration
90890-85505	Yamaha bond No. 1215 This bond is used to seal two mating surfaces (e.g., crankcase mating surfaces).	 A line drawing of a tube of Yamaha bond No. 1215. The tube is elongated and slightly tapered at the ends. The word "YAMAHA" is printed on the side of the tube.



SPEC 2



CHAPTER 2. SPECIFICATIONS

GENERAL SPECIFICATIONS	2-1
ENGINE SPECIFICATIONS	2-2
CHASSIS SPECIFICATIONS	2-11
ELECTRICAL SPECIFICATIONS	2-15
TIGHTENING TORQUES	2-18
GENERAL TIGHTENING TORQUES	2-18
ENGINE TIGHTENING TORQUES	2-19
CHASSIS TIGHTENING TORQUES	2-22
LUBRICATION POINTS AND LUBRICANT TYPES	2-23
ENGINE	2-23
CHASSIS	2-24
COOLING SYSTEM DIAGRAMS	2-25
ENGINE OIL LUBRICATION CHART	2-29
LUBRICATION DIAGRAMS	2-30
CABLE ROUTING	2-35

SPEC





SPECIFICATIONS

GENERAL SPECIFICATIONS

Item	Standard	Limit
Model code	5VL1 (A) (B) (D) (DK) (E) (GB) (GR) (I) (N) (NL) (S) (SF) (CH) (P) 5LV2 (F) 5LV3 (D) 5LV4 (AUS)	••• ••• ••• •••
Dimensions		
Overall length	2,125 mm	•••
Overall width	765 mm	•••
Overall height	1,190 mm	•••
Seat height	820 mm	•••
Wheelbase	1,450 mm	•••
Minimum ground clearance	140 mm	•••
Minimum turning radius	2,900 mm	•••
Weight		
Wet (with oil and a full fuel tank)	231 kg	•••
Dry (without oil and fuel)	208 kg	•••
Maximum load (total of cargo, rider, passenger, and accessories)	189 kg	•••



ENGINE SPECIFICATIONS

Item	Standard	Limit
Engine		
Engine type	Liquid-cooled, 4-stroke, DOHC	...
Displacement	998 cm ³	...
Cylinder arrangement	Forward-inclined parallel 4-cylinder	...
Bore × stroke	74 × 58 mm	...
Compression ratio	11.4 : 1	...
Engine idling speed	1,050 ~ 1,150 r/min	...
Vacuum pressure at engine idling speed	30 kPa (225 mm Hg)	...
Standard compression pressure (at sea level)	1,450 kPa (14.5 kg/cm ²) at 400 r/min	...
Fuel		
Recommended fuel	Regular unleaded gasoline	...
Fuel tank capacity		
Total (including reserve)	21 L	...
Reserve only	4.0 L	...
Engine oil		
Lubrication system	Wet sump	...
Recommended oil		...
 I1750703		
SAE20W40SE or SAE10W30SE		
Quantity		
Total amount	3.7 L	...
Without oil filter cartridge replacement	2.8 L	...
With oil filter cartridge replacement	3.0 L	...
Oil pressure (hot)	45 kPa at 1,100 r/min (0.45 kg/cm ² at 1,100 r/min)	...
Relief valve opening pressure	490 ~ 570 kPa (4.9 ~ 5.7 kg/cm ²)	...

ENGINE SPECIFICATIONS

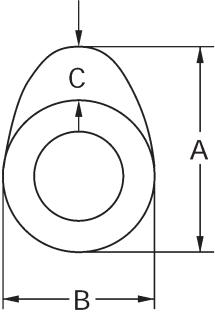
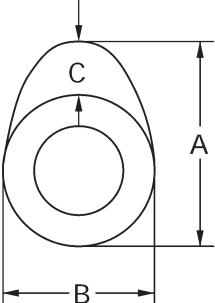
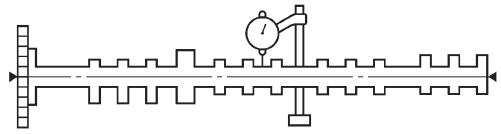
SPEC



Item	Standard	Limit
Oil filter		
Oil filter type	Cartridge (paper)	...
Bypass valve opening pressure	180 ~ 220 kPa (1.8 ~ 2.2 kg/cm ²)	...
Oil pump		
Oil pump type	Trochoid	...
Inner-rotor-to-outer-rotor-tip clearance	0.09 ~ 0.15 mm	...
Outer-rotor-to-oil-pump-housing clearance	0.03 ~ 0.08 mm	...
Cooling system		
Radiator capacity	2.4 L	
Radiator cap opening pressure	95 ~ 125 kPa (0.95 ~ 1.25 kg/cm ²)	...
Radiator core		
Width	340 mm	...
Height	238 mm	...
Depth	24 mm	...
Coolant reservoir		
Capacity	0.3 L	...
Water pump		
Water pump type	Single-suction centrifugal pump	...
Reduction ratio	68/43 × 28/28 (1.581)	...
Max. impeller shaft tilt	...	0.15 mm
Starting system type	Electric starter	
Spark plugs		
Model (manufacturer) × quantity	CR9E/U27ESR-N (NGK/DENSO) × 4	...
Spark plug gap	0.7 ~ 0.8 mm	...
Cylinder head		
Max. warpage	...	0.1 mm

ENGINE SPECIFICATIONS

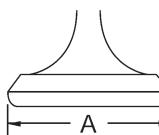
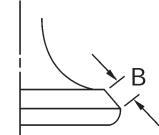
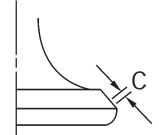
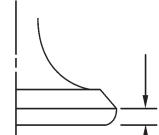
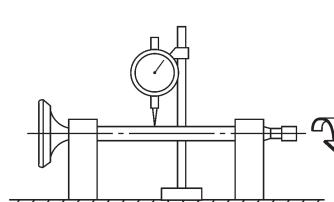
SPEC 

Item	Standard	Limit
Camshafts		
Drive system	Chain drive (right)	...
Camshaft cap inside diameter	24.500 ~ 24.521 mm	...
Camshaft journal diameter	24.459 ~ 24.472 mm	...
Camshaft-journal-to-camshaft-cap clearance	0.028 ~ 0.062 mm	...
Intake camshaft lobe dimensions		
		
Measurement A	32.5 ~ 32.6 mm	32.4 mm
Measurement B	24.95 ~ 25.05 mm	24.85 mm
Measurement C	7.45 ~ 7.65 mm	...
Exhaust camshaft lobe dimensions		
		
Measurement A	32.95 ~ 33.05 mm	32.85 mm
Measurement B	24.95 ~ 25.05 mm	24.85 mm
Measurement C	7.75 ~ 7.95 mm	...
Max. camshaft runout	...	0.03 mm
		

ENGINE SPECIFICATIONS

SPEC



Item	Standard	Limit
Timing chain		
Model/number of links	RH2015/130	...
Tensioning system	Automatic	...
Valves, valve seats, valve guides		
Valve clearance (cold)		
Intake	0.11 ~ 0.20 mm	...
Exhaust	0.21 ~ 0.25 mm	...
Valve dimensions		
	Head Diameter	
	Face Width	
	Seat Width	
	Margin Thickness	
Valve head diameter A		
Intake	22.9 ~ 23.1 mm	...
Exhaust	24.4 ~ 24.6 mm	...
Valve face width B		
Intake	1.76 ~ 2.90 mm	...
Exhaust	1.76 ~ 2.90 mm	...
Valve seat width C		
Intake	0.9 ~ 1.1 mm	...
Exhaust	0.9 ~ 1.1 mm	...
Valve margin thickness D		
Intake	0.5 ~ 0.9 mm	...
Exhaust	0.5 ~ 0.9 mm	...
Valve stem diameter		
Intake	3.975 ~ 3.990 mm	3.945 mm
Exhaust	4.465 ~ 4.480 mm	4.43 mm
Valve guide inside diameter		
Intake	4.000 ~ 4.012 mm	4.05 mm
Exhaust	4.500 ~ 4.512 mm	4.55 mm
Valve-stem-to-valve-guide clearance		
Intake	0.010 ~ 0.037 mm	0.08 mm
Exhaust	0.020 ~ 0.047 mm	0.10 mm
Valve stem runout		0.01 mm
		
Valve seat width		
Intake	0.9 ~ 1.1 mm	...
Exhaust	0.9 ~ 1.1 mm	...

ENGINE SPECIFICATIONS

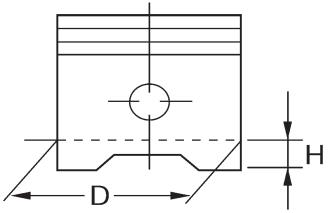
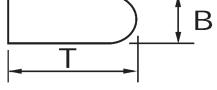
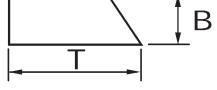
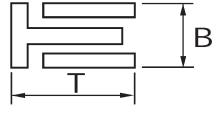
SPEC



Item	Standard	Limit
Valve springs		
Free length		
Intake	38.9 mm	...
Exhaust	40.67 mm	...
Installed length (valve closed)		
Intake	34.5 mm	...
Exhaust	35 mm	...
Compressed spring force (installed)		
Intake	82 ~ 96 N (8.36 ~ 9.79 kg)	...
Exhaust	110 ~ 126 N (11.22 ~ 12.85 kg)	...
Spring tilt		
Intake	...	2.5° / 1.7 mm
Exhaust	...	2.5° / 1.8 mm
Winding direction (top view)		
Intake	Clockwise	...
Exhaust	Clockwise	...
Cylinders		
Cylinder arrangement	Forward-inclined, parallel 4-cylinder	...
Bore × stroke	74 × 58 mm	...
Compression ratio	11.4 : 1	...
Bore	74.00 ~ 74.01 mm	...
Max. taper	...	0.05 mm
Max. out-of-round	...	0.05 mm

ENGINE SPECIFICATIONS

SPEC 

Item	Standard	Limit
Piston		
Piston-to-cylinder clearance	0.030 ~ 0.055 mm	0.12 mm
Diameter D	73.955 ~ 73.970 mm	...
		
Height H	5 mm	...
Piston pin bore (in the piston)		
Diameter	17.002 ~ 17.013 mm	17.043
Offset		...
Offset direction	Intake side	...
Piston pins		
Outside diameter	16.991 ~ 17.000 mm	16.971
Piston-pin-to-piston-pin-bore clearance	0.002 ~ 0.022 mm	0.072 mm
Piston rings		
Top ring		
		
Ring type	Barrel	...
Dimensions (B × T)	0.90 × 2.75 mm	...
End gap (installed)	0.32 ~ 0.44 mm	...
Ring side clearance	0.030 ~ 0.065 mm	...
2nd ring		
		
Ring type	Taper	...
Dimensions (B × T)	0.8 × 2.8	...
End gap (installed)	0.43 ~ 0.58 mm	...
Ring side clearance	0.020 ~ 0.055 mm	...
Oil ring		
		
Dimensions (B × T)	1.5 × 2.6 mm	...
End gap (installed)	0.10 ~ 0.35	...

ENGINE SPECIFICATIONS



Item	Standard	Limit
Connecting rods Crankshaft-pin-to-big-end-bearing clearance Bearing color code	0.031 ~ 0.055 mm -1 = Violet 0 = White 1 = Blue 2 = Black	••• •••
Crankshaft 		
Width A Width B Max. runout C Big end side clearance D Crankshaft-journal-to-crankshaft-journal-bearing clearance Bearing color code	52.40 ~ 57.25 mm 300.75 ~ 302.65 mm ••• 0.160 ~ 0.262 mm 0.029 ~ 0.053 mm -1 = Pink/violet 0 = Pink/white 1 = Pink/blue 2 = Pink/black 3 = Pink/brown	•• ••• 0.03 mm ••• ••• •••
Clutch Clutch type Clutch release method Clutch release method operation Operation Clutch cable free play (at the end of the clutch lever) Friction plates Thickness Plate quantity Thickness Plate quantity Clutch plates Thickness Plate quantity Max. warpage Clutch springs Free length Spring quantity	Wet, multiple disc Cam (pull rod type) Cable operation Left-hand operation 10 ~ 15 mm 2.92 ~ 3.08 mm 8 3.42 ~ 3.58 mm 1 1.9 ~ 2.1 mm 8 ••• 50 mm 6	••• ••• ••• ••• ••• 2.82 mm ••• 3.32 mm ••• ••• ••• 0.1 mm ••• •••