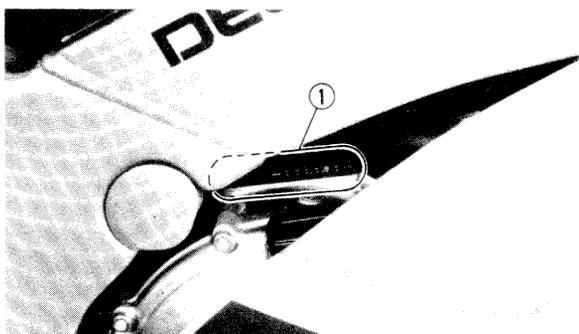


## GENERAL INFORMATION

### MOTORCYCLE IDENTIFICATION VEHICLE IDENTIFICATION NUMBER

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

Starting Serial Number:  
FZR600W (Except for California):  
JYA3HHE0 \* KA000101  
FZR600WC (For California):  
JYA3HWC0 \* KA000101



### ENGINE SERIAL NUMBER

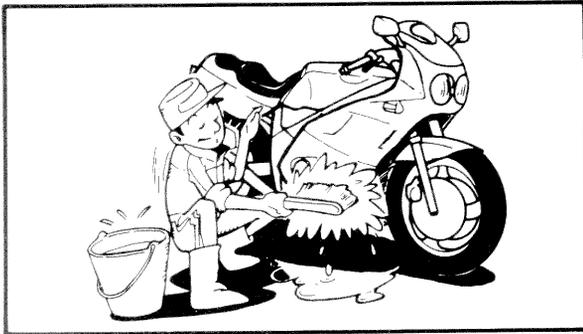
The engine serial number ① is stamped into the right side of the engine.

Starting Serial Number:  
FZR600W (Except for California):  
3HH-000101  
FZR600WC (For California):  
3HW-000101

#### 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.

# 1



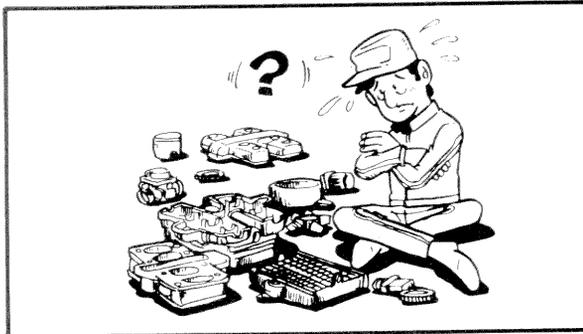
**IMPORTANT INFORMATION**

**PREPARATION FOR REMOVAL**

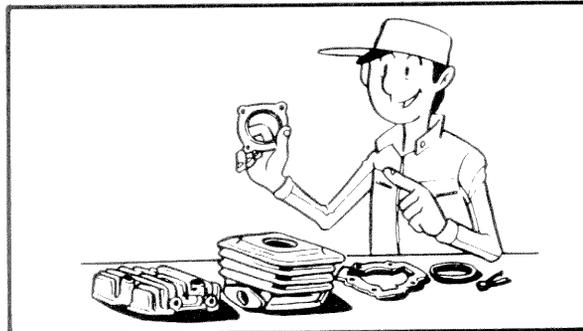
1. Remove all dirt, mud, dust, and foreign material before removal and disassembly.

2. Use proper tools and cleaning equipment. Refer to "SPECIAL TOOL".

3. When disassembling the machine, keep mated parts together. This includes gears, cylinders, pistons, and other mated parts that have been "mated" through normal wear. Mated parts must be reused as an assembly or replaced.

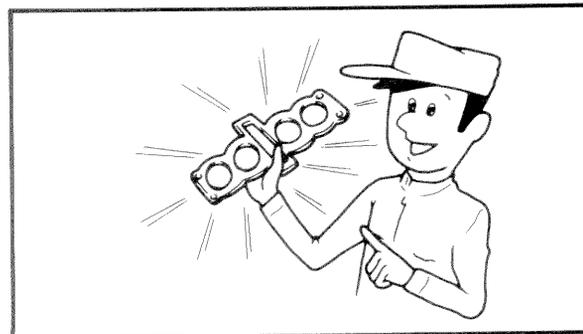


4. During the machines disassembly, clean all parts and place them in trays in the order of disassembly. This will speed up assembly time and help assure that all parts are correctly reinstalled.



**ALL REPLACEMENT PARTS**

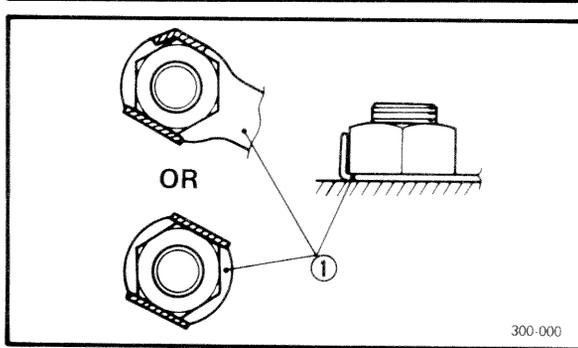
1. We recommended to use Yamaha genuine parts for all replacements. Use oil and/or grease recommended by Yamaha for assembly and adjustment. Other brands may be similar in function and appearance, but inferior in quality.



**GASKETS, OIL SEALS, AND O-RINGS**

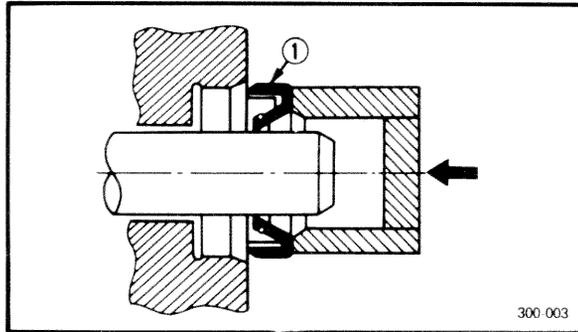
1. All gaskets, seals, and O-rings should be replaced when an engine is overhauled. All gasket surfaces, oil seal lips, and O-rings must be cleaned.

2. Properly oil all mating parts and bearings during reassembly. Apply grease to the oil seal lips.



**LOCK WASHERS/PLATES AND COTTER PINS**

1. All lock washers/plates ① and cotter pins must be replaced when they are removed. Lock tab(s) should be bent along the bolt or nut flat(s) after the bolt or nut has been properly tightened.



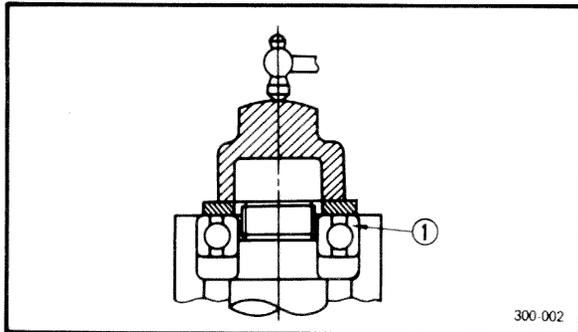
**BEARINGS AND OIL SEALS**

1. Install the bearing(s) and oil seal(s) with their manufacturer's marks or numbers facing outward. (In other words, the stamped letters must be on the side exposed to view.) When installing oil seal(s), apply a light coating of light-weight lithium base grease to the seal lip(s). Oil the bearings liberally when installing.

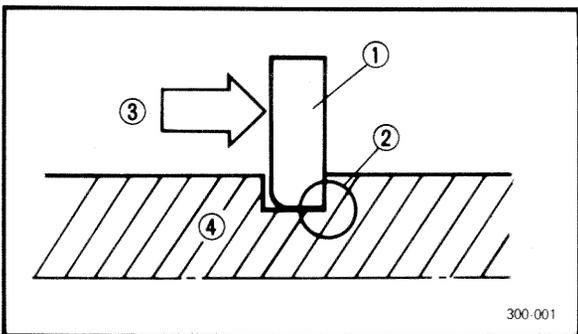
① Oil seal

**⚠ CAUTION:**

**Do not use compressed air to spin the bearings dry. This causes damage to the bearing surfaces.**



① Bearing



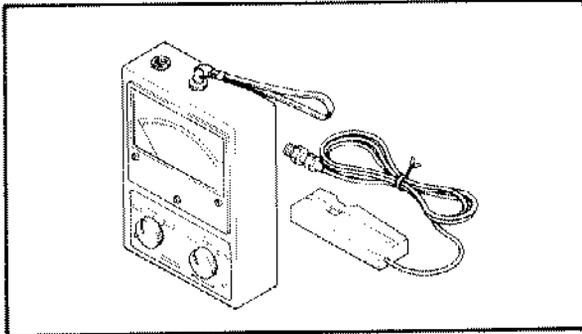
**CIRCLIPS**

1. All circlips should be inspected carefully before reassembly. Always replace piston pin clips after one use. Replace distorted circlips. When installing a circlip ①, make sure that the sharp edged corner ② is positioned opposite to the thrust ③ it receives. See the sectional view.

④ Shaft

**SPECIAL TOOLS**

The proper special tools are necessary for complete and accurate tune-up and assembly. Using the correct special tool will help prevent damage caused by the use of improper tools or improvised techniques.

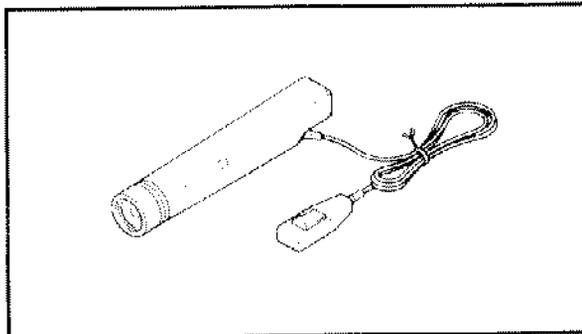
**FOR TUNE UP**

1. Inductive Tachometer

P/N YU-08036

90890-03113

This tool is needed for detecting engine rpm.

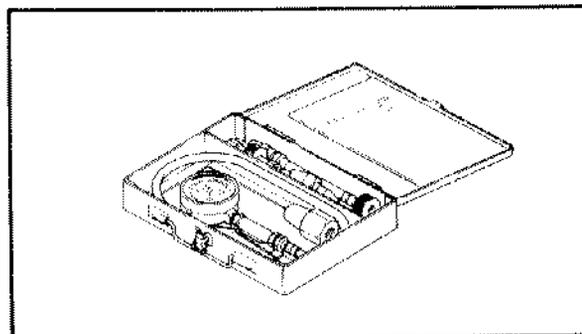


2. Inductive Timing Light

P/N YM-33277 - A

90890-03109

This tool is necessary for checking ignition timing.

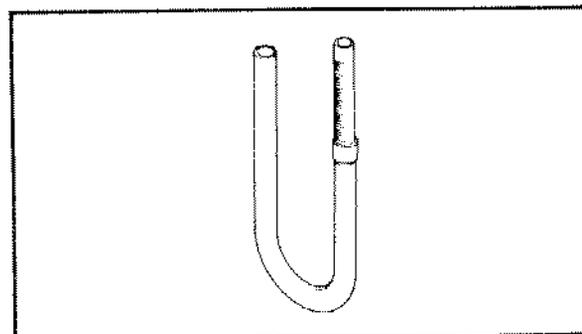


3. Compression Gauge

P/N YU-33223

90890-03081

This gauge is used to measure the engine compression.



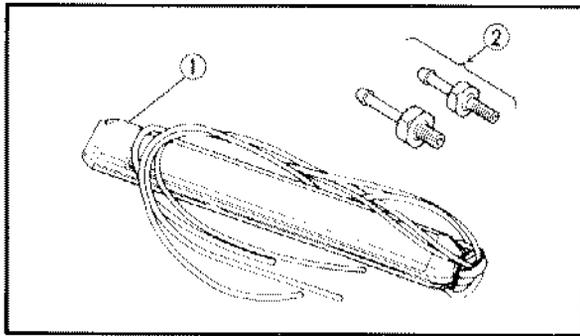
4. Fuel Level Gauge

P/N YM-01312

90890-01312

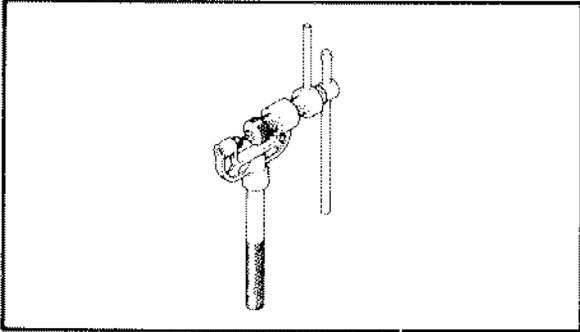
This gauge is used to measure the fuel level in the float chamber.

## SPECIAL TOOLS



5. Vacuum Gauge ①  
Adapter ②  
P/N YU-08030 - A  
90890-03094  
P/N 90890-03060

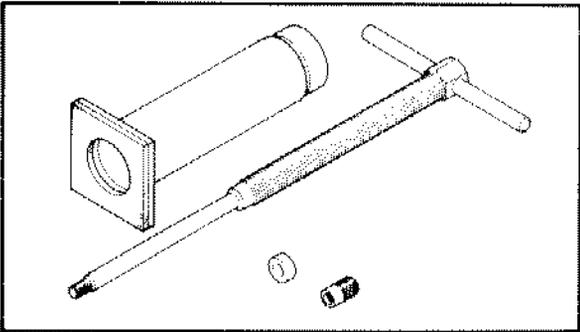
This gauge is needed for carburetor synchronization.



### FOR ENGINE SERVICE

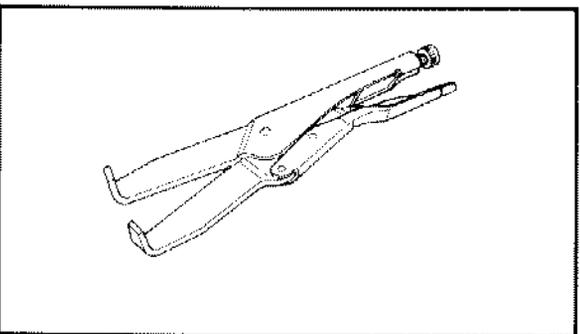
1. Cam Chain Cutter  
P/N YM-01112  
90890 01112

This tool is used when cutting the cam chain.



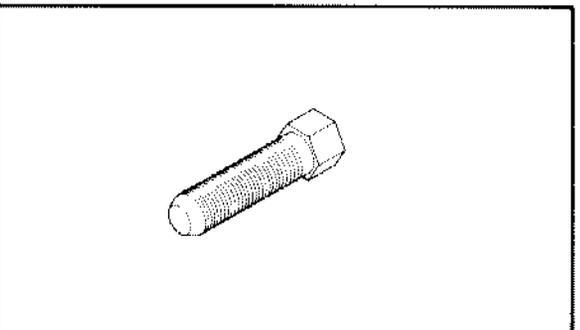
2. Piston Pin Puller  
P/N YU-01304  
90890 01304

This tool is used to loosen or tighten the cylinder head securing nut.



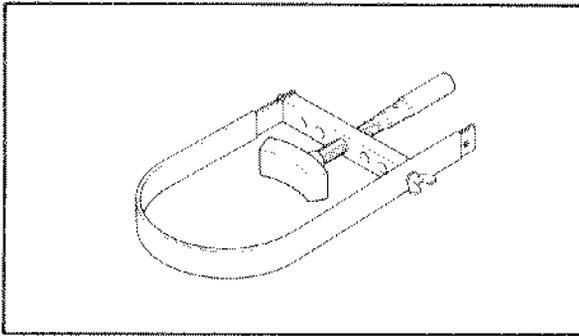
3. Universal Clutch Holder  
P/N YM-91042  
90890-04086

This tool is used to remove the piston pin.



4. Rotor Puller  
P/N YM-01080  
90890-01080

This tool is used to remove the rotor.

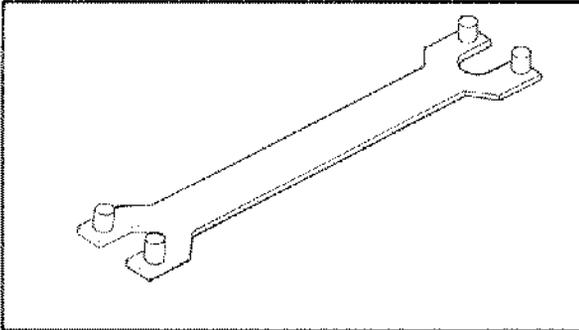


## 5. Universal Rotor Holder

P/N YS-01880

90890-01701

This tool is used to loosen and tighten the A.C. magneto.

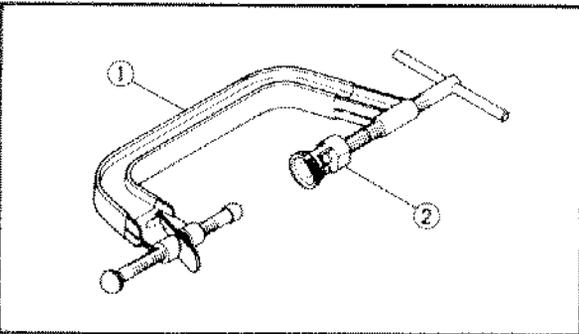


## 6. Camshaft Wrench

P/N YM-04115

90890-04115

This tool is used to turn the crankshaft.



## 7. Valve Spring Compressor ①

P/N YM-04019

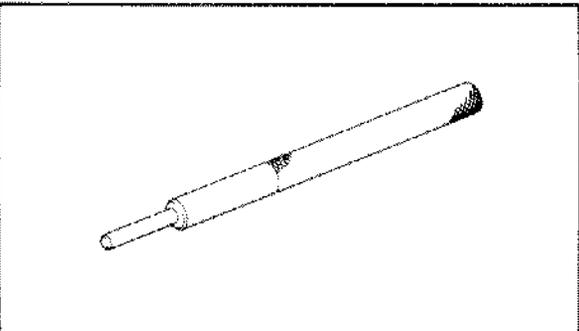
90890-04019

Attachment ②

P/N YM-04108

90890-04108

This tool is needed to remove and install the valve assemblies.

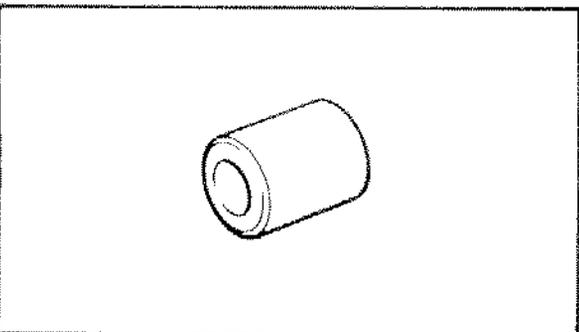


## 8. Valve Guide Remover (4.5 mm)

P/N YM-04116

90890-04116

This tool is used to remove the valve guides.

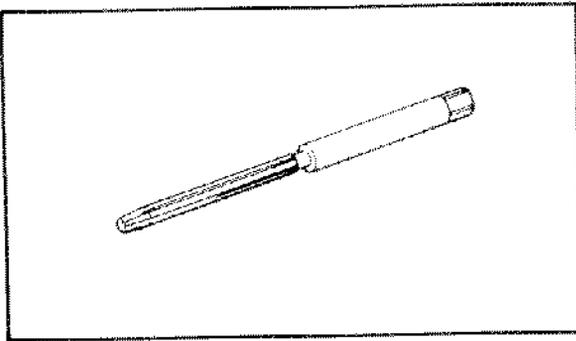


## 9. Valve Guide Installer

P/N YM-04117

90890-04117

This tool is needed to install the valve guides properly.

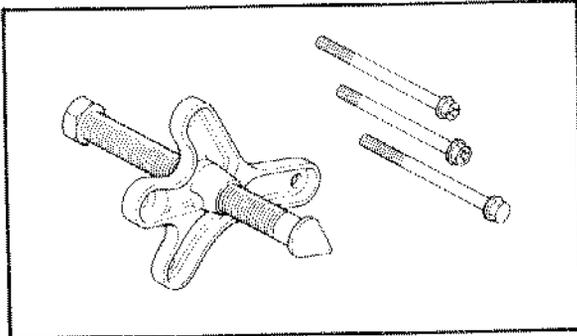


10. Valve Guide Reamer (4.5 mm)

P/N YM-04118

90890-04118

This tool is used to re bore the new valve guide.

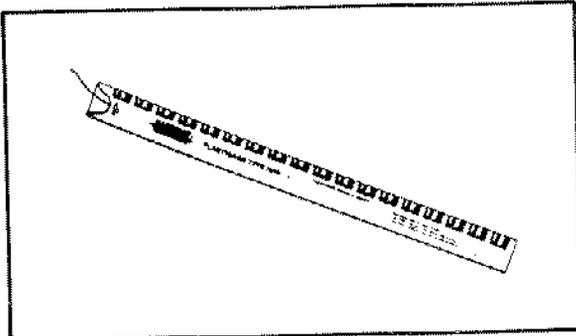


11. Flywheel Puller Set

P/N YU-33270

90890-01362

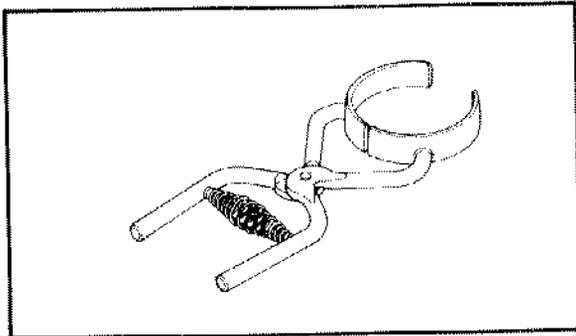
This tool is used to loosen or tighten the main axle bearing retainer bolt.



12. Plastigage® Set "Green"

P/N YU-33210

This gauge is needed to measure the clearance for the connecting rod bearing and the crank shaft bearing.

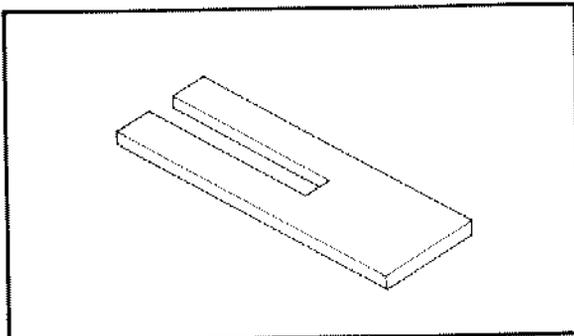


13. Piston Ring Compressor

P/N YM-8037

90890-04048

This tool is used to compress piston rings when installing the cylinder.

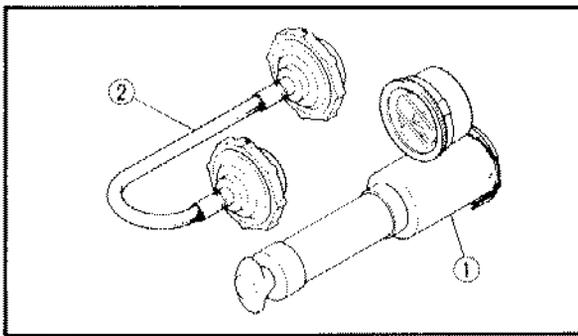


14. Piston Base

P/N YM-01067

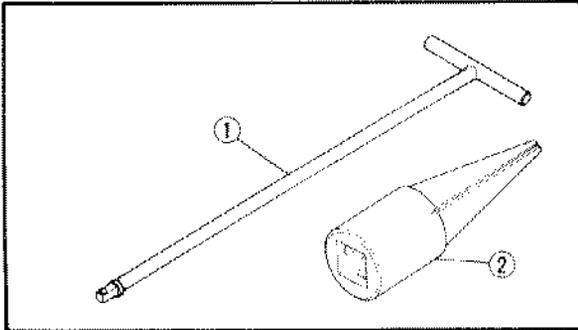
90890-01067

Use four pieces of these to hold the pistons during cylinder installation.



15. Radiator Cap Tester ①  
 P/N YU-24460-01  
 P/N 90890-01325  
 Adapter ②  
 P/N YU-33984  
 P/N 90890-01352

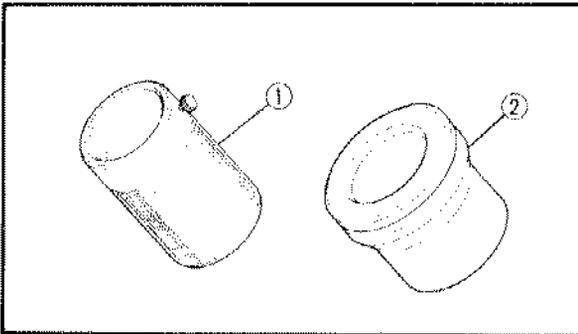
This tester is needed for checking the cooling system.



#### FOR CHASSIS SERVICE

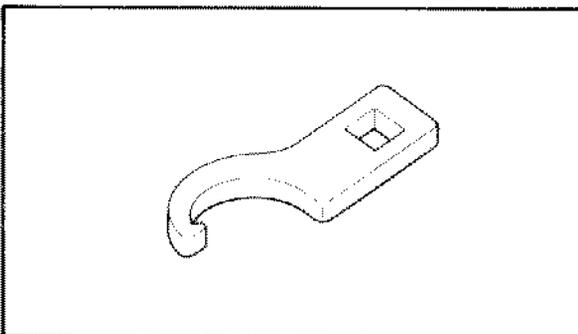
1. T Handle ①  
 P/N YM-01326  
 90890-01326  
 Fork Damper Rod Holder ②  
 P/N YM-01300-01  
 90890-01294

This tool is used to loosen and tighten the front fork damper rod holding bolt.



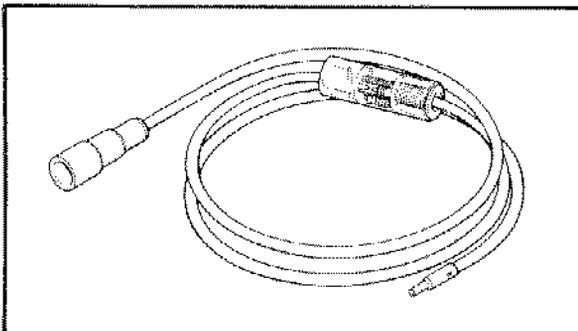
2. Front Fork Seal Driver (weight) ①  
 P/N YM-33963  
 90890-01367  
 Adapter (38 mm) ②  
 P/N YM-1372  
 90890-01372

These tools are used when installing the fork seat.



3. Ring Nut Wrench  
 P/N YU-33975  
 90890 01403

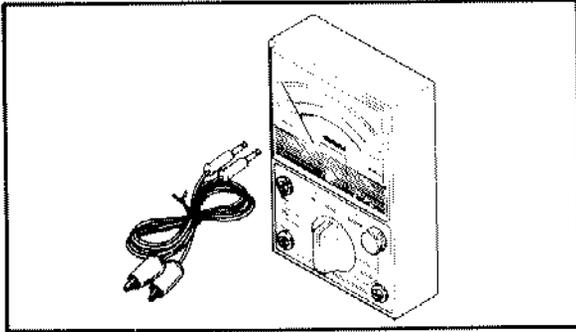
This tool is used to loosen and tighten the steering ring nut.



#### FOR ELECTRICAL COMPONENTS

1. Dynamic Coil Tester  
 P/N YM-34487  
 90890-03144

This instrument is necessary for checking the ignition system components.



2. Pocket Tester  
P/N YU 03112  
90890-03112

This instrument is invaluable for checking the electrical system.