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## CHAPTER 1. GENERAL INFORMATION

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**GENERAL  
INFORMATION**

**1**

**IMPORTANT INFORMATION**

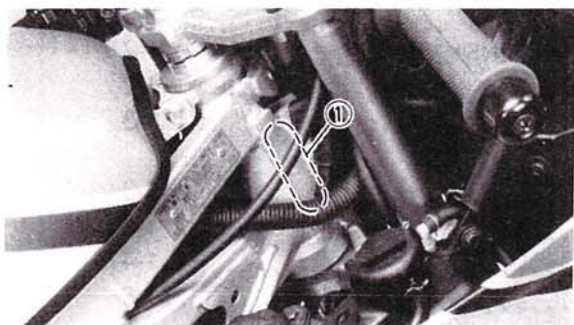
**VEHICLE IDENTIFICATION NUMBER**

The vehicle identification number ① is stamped into the steering head pipe.

**NOTE:**

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

**Vehicle Identificatin Number:**  
RZ500N . . . . JYA52X00 \*FA000101



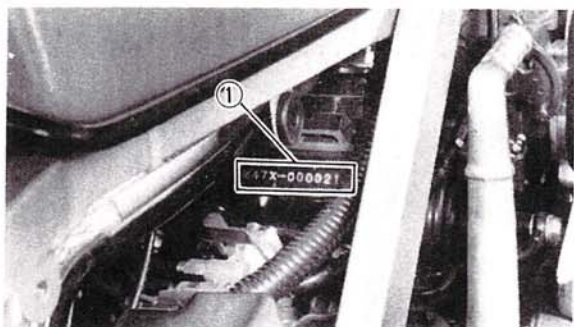
**ENIGNE SERIAL NUMBER**

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

**NOTE:**

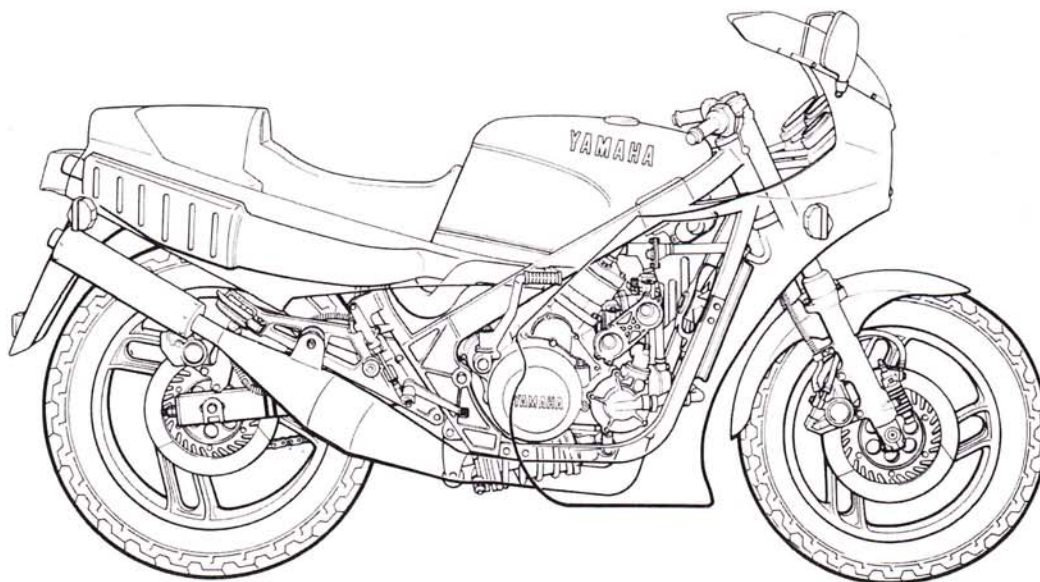
The first three digits of these numbers are for model identifications; the remaining digits are the unit production number.

**Starting Serial Number:**  
RZ500N . . . . 52X-000101



**NOTE:**

Designs and specifications are subject to change without notice.



**IMPORTANT INFORMATION**

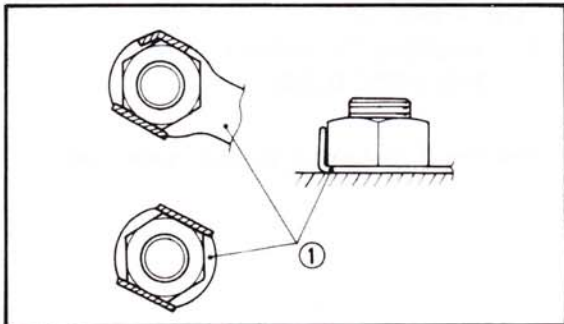
**ALL REPLACEMENT PARTS**

1. We recommend to use Yamaha genuine parts for all replacements. Use oil and/or grease recommended by Yamaha for assembly and adjustment.

**1**

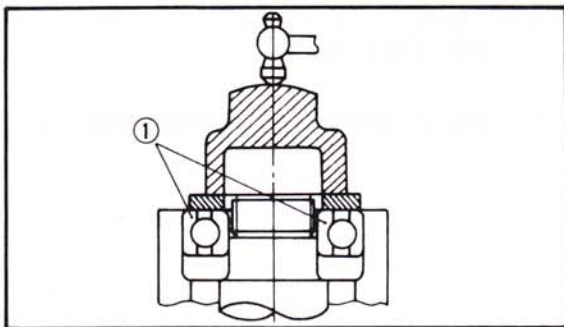
**GASKETS, OIL SEALS, AND O-RINGS**

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.



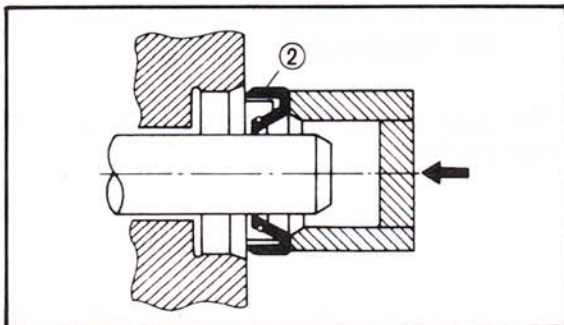
**LOCK WASHERS/PLATES AND COTTER PINS**

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) ① and oil seal(s) ② 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.

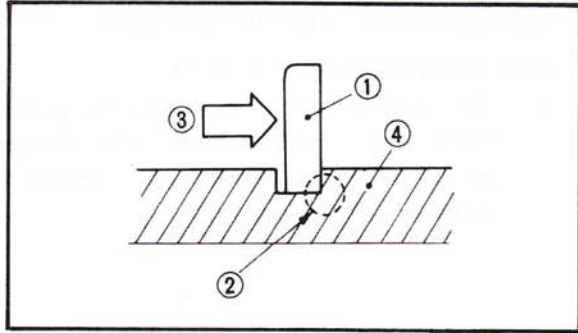


**CAUTION:**

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



**1**



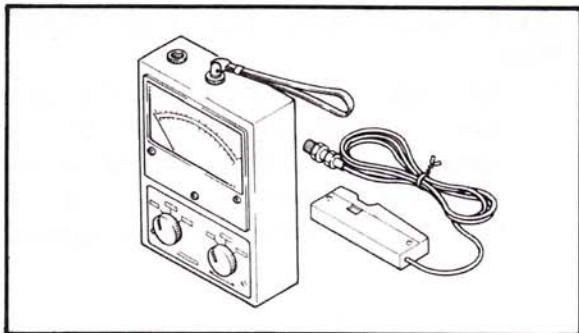
**CIRCLIPS**

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**

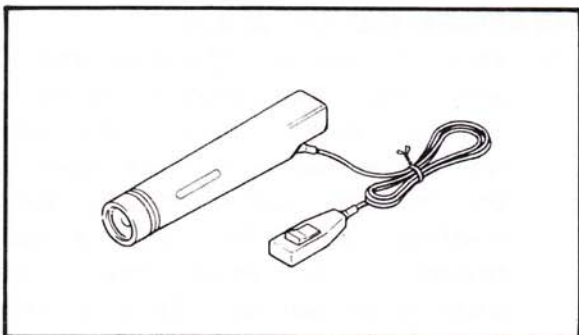
The proper special tools are necessary for complete and accurate tune-up and assembly. Using the correct special tool will help prevent damage caused by the use of improper tools or improvised techniques.



**FOR TUNE UP**

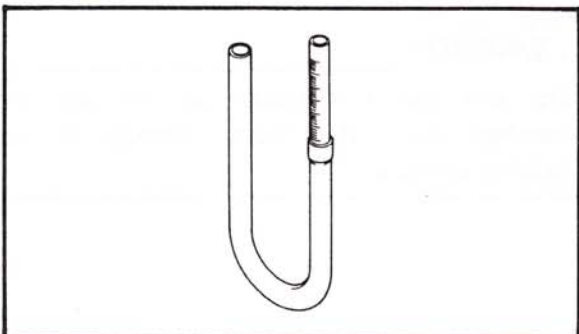
1. Inductive Tachometer  
P/N 90890-03082

This tool is needed for detecting engine rpm.



2. Inductive Timing Light  
P/N 90890-03109

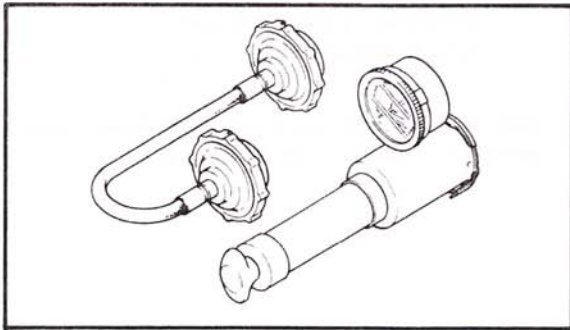
This tool is necessary for checking ignition timing.



3. Fuel Level Gauge  
P/N 90890-01312

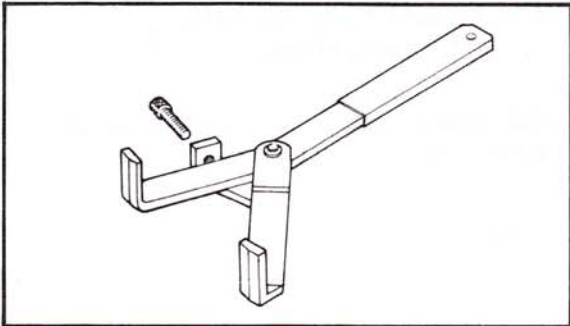
This gauge is used to measure the fuel level in the float chamber.

**SPECIAL TOOLS**



- 4. Cooling System Tester  
P/N 90890-01325

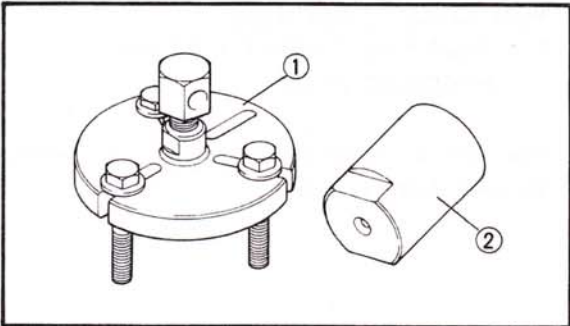
This tester is needed for checking the cooling system.



**FOR ENGINE SERVICE**

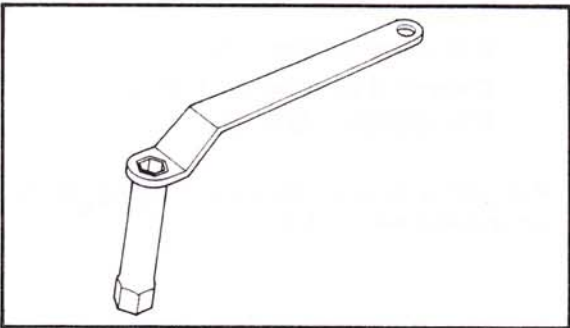
- 1. Universal Clutch Holder  
P/N 90890-04086

This tool is used to hold the clutch when removing or installing the clutch boss locknut.



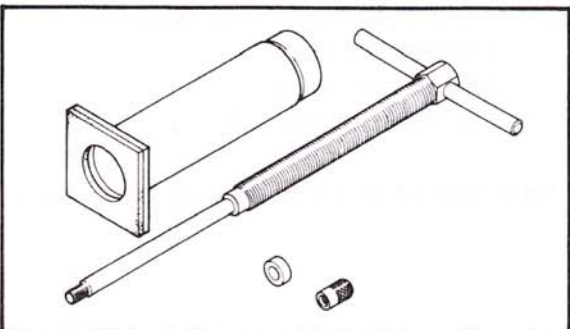
- 2. Flywheel Magneto Puller  
P/N 90890-01362 – ①  
Adapter  
P/N 90890-04063 – ②

These tools are used to remove the flywheel.



- 3. Clutch Adjusting Tool  
P/N 90890-01204

This tool is used to adjust the clutch.

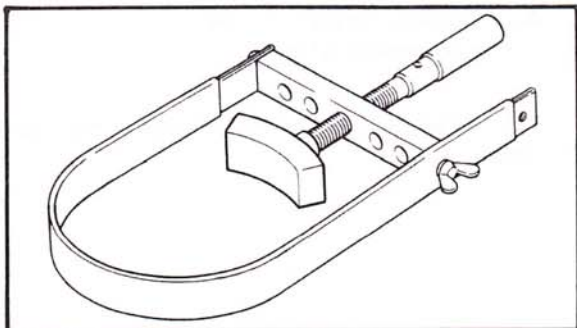


- 4. Piston Pin Puller  
P/N 90890-01304

This tool is used to remove the piston pin.

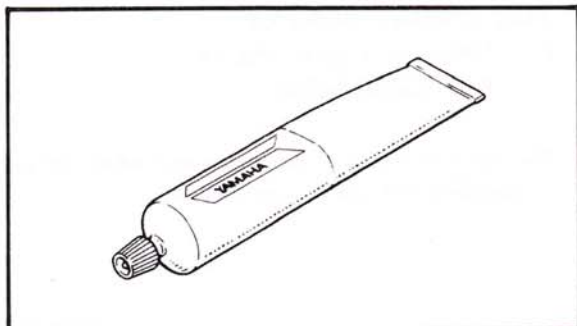
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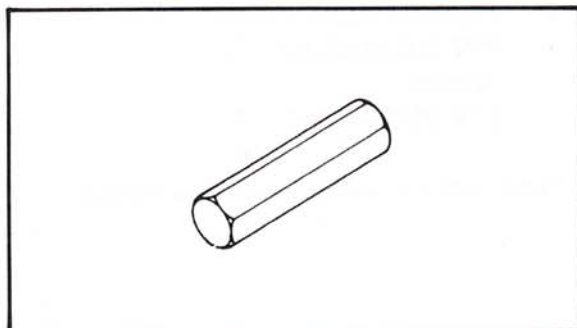
5. Universal Sheave Holder  
P/N 90890-01701

This tool is used to hold the flywheel when removing or installing the flywheel nut.



6. Yamaha Bond No. 1215  
P/N 90890-85505

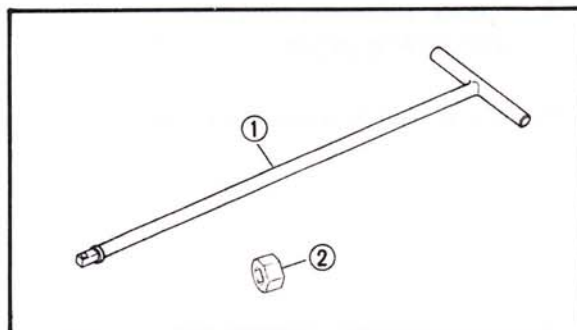
This sealant (bond) is used for crankcase mating surfaces, etc.



**FOR CHASSIS SERVICE**

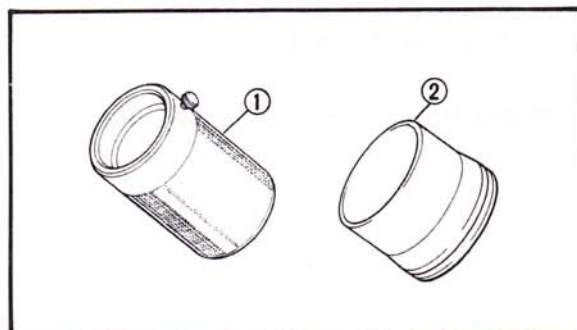
1. Front Fork Cap Socket (17 mm)  
P/N 90890-01104

This tool is needed when loosening and tightening the front fork cap bolt.



2. T-Handle  
P/N 90890-01326 – ①  
Damper Rod Holder 27 mm  
P/N 90890-01388 – ②

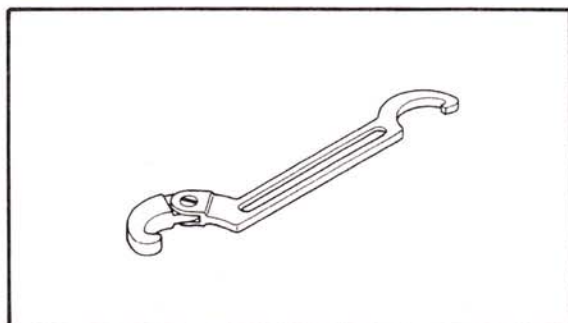
This tool is used to loosen and tighten the front fork cylinder holding bolt.



3. Front Fork Seal Driver (weight)  
P/N 90890-01367 – ①  
Adapter (41 mm)  
P/N 90890-01381 – ②

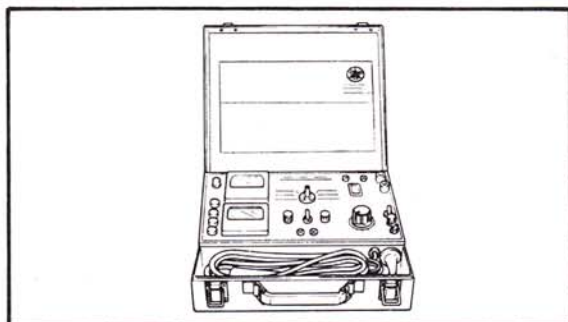
These tools are used when installing the fork seal.

## OPTIONAL PARTS



4. Ring Nut Wrench  
P/N 90890-01268

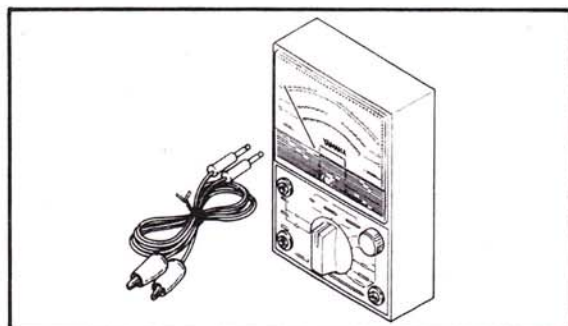
This tool is used to loosen and tighten the steering ring nut.



## FOR ELECTRICAL COMPONENTS

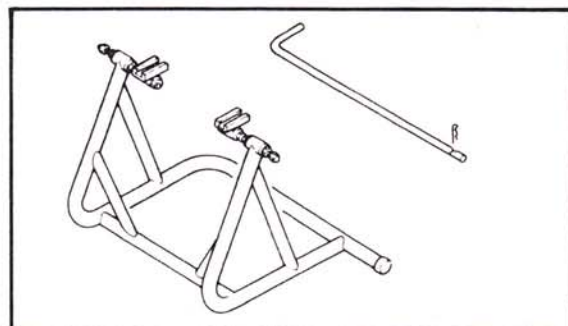
1. Electro Tester  
P/N 90890-03021

This instrument is necessary for checking the ignition system components.



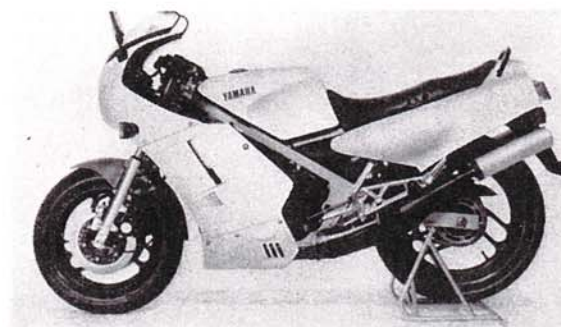
2. Pocket Tester  
P/N 90890-03104

This instrument is invaluable for checking the electrical system.



## OPTIONAL PARTS

1. Racing Stand  
P/N 51X-W0780-00



# 1