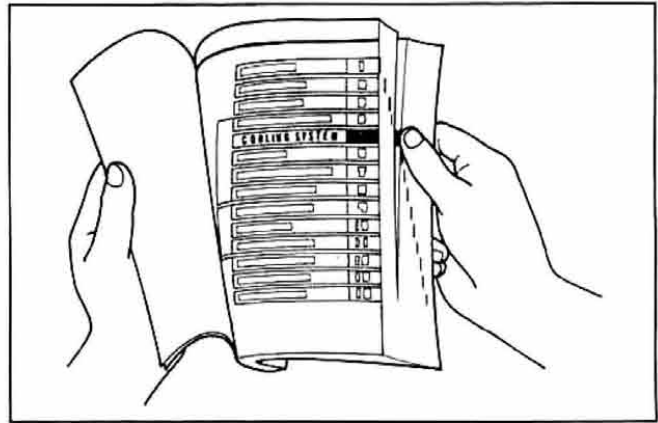


# How to Use This Manual

## Finding Information You Need

- This manual is divided into sections which cover each of the major components of the motorcycle. To quickly find the section you are interested in, the first page of each section is marked with a black tab that lines up with one of the thumb index tabs before this page. The first page of each section lists the table of contents within the section. Read the service information and troubleshooting related to the section before you begin working.
- An index of the entire book is provided in the last chapter to directly locate the information you need.



## Note on the Explanation Method of This Manual

- The removal and installation of parts are for the most part illustrated by large and clear illustrations that should provide the reader with visual aid in understanding the major point for servicing.
- The system illustrations are augmented by callouts whose numbers or letters indicate the order in which the parts should be removed or installed.
- The sequence of steps represented numerically are differentiated from the ones represented alphabetically to notify the reader that they must perform these steps separately. For example, if the steps prior and up to camshaft removal are performed with the engine installed, but the subsequent steps like cylinder head removal require engine removal, the callouts are grouped in numerical and alphabetical orders.
- The illustrations may contain symbol marks to indicate necessary service procedures and precautions that need to be taken. Refer to the next page for the meaning of each symbol mark.
- Also in the illustration is a chart that lists information such as the order in which the part is removed/installed, the name of the part, and some extra notes that may be needed.
- Step by step instructions are provided to supplement the illustrations when detailed explanation of the procedure is necessary or illustrations alone would not suffice.
- Service procedures required before or after the procedure described on that particular page, or inspection/adjustment procedures required following the installation of parts, are described under the title Requisite Service.
- Standard workshop procedures and knowledge covered in the Common Service Manual are abbreviated in this manual.

**Symbol mark**

**System illustration**

**Detailed description of the procedure**

**CYLINDER HEAD: CYLINDER-PISTON**

**CYLINDER HEAD REMOVAL/INSTALLATION**

**REQUISITE SERVICE**

PROCEDURE	REMARKS
1) Engine removal/installation page 7-2	Camshaft removal/installation page 8-3
2) Removal of the cylinder head nut	Installation is in the reverse order of removal.
3) Cylinder head mounting bolt	Installation page 8-5
4) Camshaft head assembly	Install with the LIF mark facing up and rearward.
5) Gasket	Installation page 8-5
6) Drive pin	
7) Camshaft side gear case bolt	
8) Camshaft side gear case bolt	
9) Sealing washer	
10) Camshaft side gear case	
11) Camshaft nut	

At installation, press the injector groups with the engine top with the LIF mark facing towards combustion side.

**CYLINDER HEAD: CYLINDER-PISTON**

**CAMSHAFT SIDE GEAR CASE INSTALLATION**

Install the camshaft side gear case toward both slippers.

**NOTE**

- Without the slippers installed properly, the camshaft side gear may not be able to be installed onto the drive shaft timing gear.

Install the camshaft side gear case into the cylinder, always making the side gear tightly with the gear case when the gear case should be lifted up slightly from the cylinder.

Install a new sealing washer and mounting bolts. Tighten bolts in a gradual sequence.

**CYLINDER HEAD NUT/BOLT INSTALLATION**

Install the cylinder head mounting nuts as shown. Do not tighten them yet.

Install the cylinder head mounting bolts. Tighten the special nuts and mounting bolts in a gradual clockwise pattern.

**TORQUE**

Special nut: 20 Nm (12.0 kg-m, 22 ft-lb)  
 Mounting bolt: 12 Nm (1.2 kg-m, 9 ft-lb)

**Step sequence (numerals or alphabets)**

**Part name**

**Number of parts**

**Extra notes or precaution related to the service procedure**