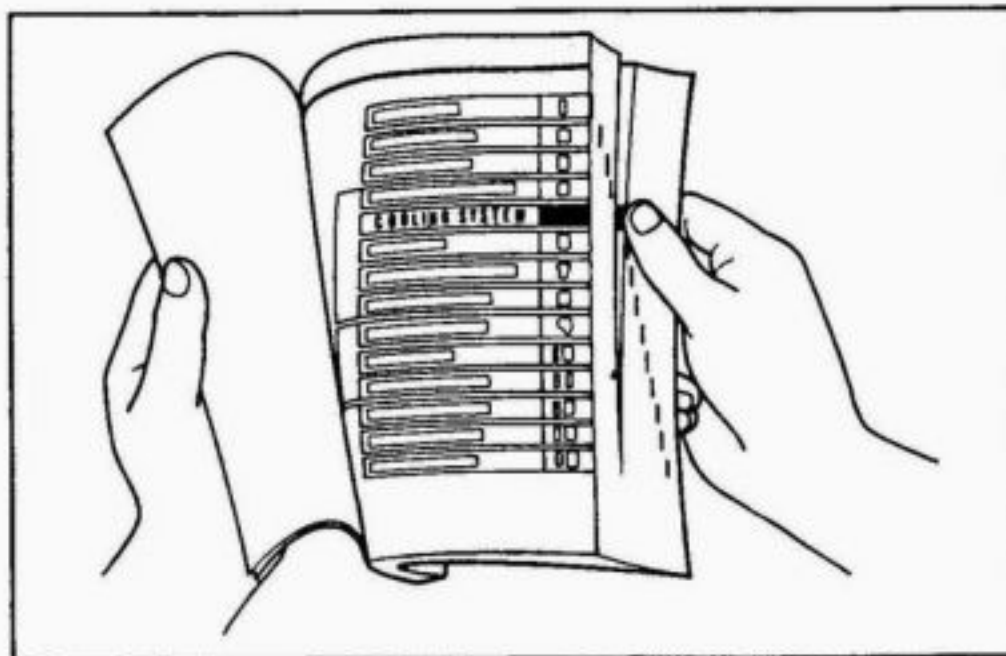


How To Use This Manual

Finding The 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.



Understanding The Instructions

- 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 symbols to indicate necessary service procedures and precautions that need to be taken. Refer to the next page for the meaning of each symbol.
- 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 are 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.

Symbols

System illustration

Detailed description of the procedure

Step sequence (numerals or letters)

CYLINDER HEAD/CYLINDER/PISTON

CYLINDER HEAD REMOVAL/INSTALLATION

PROCEDURE	REMARKS
REMOVAL ORDER	
(1) Cylinder head special nut	(12) Installation is in the reverse order of removal instructions page 8-5
(2) Cylinder head mounting bolt	Install with the UP mark facing up and rearward
(3) Cylinder head assembly	Inspection page 8-5c
(4) Gasket	
(5) Dowel pin	
(6) Camshaft oil gear case bolt	
(7) Camshaft oil gear case dowel pin	
(8) Sealing washer	
(9) Camshaft oil gear case	
(10) Camshaft nut	
(11) Camshaft nut	
(12) Camshaft nut	
(13) Camshaft nut	

REQUISITE SERVICE

Engine re-assembly (page 7-2)

Camshaft re-assembly (page 8-2)

CYLINDER HEAD/CYLINDER/PISTON

CAMSHAFT OIL GEAR CASE INSTALLATION

Install the camshaft oil gear case dowel pins properly.

NOTE

Without the dowel pins installed properly, the camshaft oil gear may not be able to be installed onto the crank shaft timing gear.

Install the camshaft oil gear case onto the cylinder. While moving the oil gear lightly with the gear case hold the gear case should be slid up slightly from the cylinder.

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

CYLINDER HEAD NUT/BOLT INSTALLATION

Install the cylinder head special nut 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 28 Nm (2.0 kg-m, 22 ft-lb)

Mounting bolt 12 Nm (1.2 kg-m, 9 ft-lb)

Part name

Number of parts

Extra notes or precautions related to the service procedure

8-4

8-5