## **HOW TO USE THIS MANUAL**

This service manual describes the service procedures for the TRX500FA/FGA.

Follow the Maintenance Schedule (Section 3) recommendations to ensure that the vehicle is in peak operating condition and the emission levels are within the standards set by the U.S. Environmental Protection Agency (EPA) and California Air Resources Board (CARB)

Performing the first scheduled maintenance is very important. It compensates for the initial wear that occurs during the break-in period.

Sections 1 and 3 apply to the whole vehicle. Section 2 illustrates procedures for removal/installation of components that may be required to perform service described in the following sections. Sections 4 through 24 describe parts of the vehicle, grouped according to location.

Find the section you want on this page, then turn to the table of contents on the first page of the section.

Most sections start with an assembly or system illustration, service information and troubleshooting for the section. The subsequent pages give detailed procedure.

If you don't know the source of the trouble, go to section 26 Troubleshooting.

Your safety, and the safety of others, is very important. To help you make informed decisions we have provided safety messages and other information throughout this manual. Of course, it is not practical or possible to warm you about all the hazards associated with servicing this vehicle.

You must use your own good judgement.

You will find important safety information in a variety of forms including:

- · Safety Labels on the vehicle
- Safety Messages preceded by a safety alert symbol one of three signal words, DANGER, WARNING, or CAU-TION.

These signal words mean:

**ADANGER** 

You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.

🗥 and

AWARNING

You CAN be KILLED or SERIOUSLY

HURT if you don't follow instructions.

**ACAUTION** 

You CAN be HURT if you don't follow instructions.

· Instructions how to service this vehicle correctly and safely

As you read this manual, you will find information that is preceded by a Montes symbol. The purpose of this message is to help prevent damage to your vehicle, other property, or the environment.

ALL INFORMATION, ILLUSTRATIONS, DIREC-TIONS AND SPECIFICATIONS INCLUDED IN THIS PUBLICATION ARE BASED ON THE LATEST PRODUCT INFORMATION AVAIL-ABLE AT THE TIME OF APPROVAL FOR PRINTING, Honda Motor Co., Ltd. RESERVES THE RIGHT TO MAKE CHANGES AT ANY TIME WITHOUT NOTICE AND WITHOUT INCURRING ANY OBLIGATION WHATSO-**EVER. NO PART OF THIS PUBLICATION MAY** BE REPRODUCED WITHOUT WRITTEN PER-MISSION. THIS MANUAL IS WRITTEN FOR PERSONS WHO HAVE ACQUIRED BASIC KNOWLEDGE OF MAINTENANCE ON Honda MOTORCYCLES, MOTOR SCOOTERS OR ATVS.

Honda Motor Co., Ltd. SERVICE PUBLICATION OFFICE

## **CONTENTS**

	GENERAL INFORMATION
	FRAME/BODY PANELS/EXHAUST SYSTEM
	MAINTENANCE
ENGINE	LUBRICATION SYSTEM
	FUEL SYSTEM
	COOLING SYSTEM
	ENGINE REMOVAL/INSTALLATION
	CYLINDER HEAD/VALVE/CAMSHAFT
	CYLINDER/PISTON
	CENTRIFUGAL CLUTCH
	ALTERNATOR/STARTER CLUTCH
	SUB-TRANSMISSION/GEARSHIFT LINKAGE
	CRANKSHAFT/AUTOMATICTRANSMISSION
CHASSIS	FRONT WHEEL/SUSPENSION/STEERING
	REAR WHEEL/SUSPENSION
	BRAKE SYSTEM
	FRONT DRIVING MECHANISM
	REAR DRIVING MECHANISM
ELECTRICAL	BATTERY/CHARGING SYSTEM
	IGNITION SYSTEM
	ELECTRIC STARTER
	LIGHTS/METERS/SWITCHES
	SELECTABLE 4WD SYSTEM
	HONDAMATIC
	WIRING DIAGRAMS
	TROUBLESHOOTING
	INDEX