

HOW TO USE THIS MANUAL

This service manual describes the service procedures for the TRX500TM/FM/FPM/FE/FPE.

Follow the Maintenance Schedule (Section 4) 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 4 apply to the whole vehicle. Section 3 illustrates procedures for removal/installation of components that may be required to perform service described in the following sections.

Sections 5 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 are not familiar with this vehicle, read Technical Features in Section 2.

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 warn 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  and one of three signal words, DANGER, WARNING, or CAUTION. These signal words mean:

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

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

CAUTION 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 **NOTICE** symbol. The purpose of this message is to help prevent damage to your vehicle, other property, or the environment.

CONTENTS

	GENERAL INFORMATION	1	
	TECHNICAL FEATURES	2	
	FRAME/BODY PANELS/EXHAUST SYSTEM	3	
	MAINTENANCE	4	
ENGINE	LUBRICATION SYSTEM	5	
	FUEL SYSTEM	6	
	ENGINE REMOVAL/INSTALLATION	7	
	CYLINDER HEAD/VALVE	8	
	CYLINDER/PISTON	9	
	CLUTCH/GEARSHIFT LINKAGE	10	
	ALTERNATOR/STARTER CLUTCH	11	
	CRANKCASE/TRANSMISSION/CRANKSHAFT/BALANCER	12	
	CHASSIS	FRONT WHEEL/SUSPENSION/STEERING	13
		REAR WHEEL/SUSPENSION	14
BRAKE SYSTEM		15	
FRONT DRIVING MECHANISM (Except TM model)		16	
REAR DRIVING MECHANISM		17	
ELECTRICAL	BATTERY/CHARGING SYSTEM	18	
	IGNITION SYSTEM	19	
	ELECTRIC STARTER	20	
	LIGHTS/METERS/SWITCHES	21	
	ELECTRIC SHIFT PROGRAM (ESP; FE/FPE models)	22	
	SELECTABLE 4WD SYSTEM (Except TM model)	23	
	ELECTRIC POWER STEERING (EPS)	24	
	WIRING DIAGRAMS	25	
	TROUBLESHOOTING	26	
INDEX	27		