

HOW TO USE THIS MANUAL

This service manual describes the service procedures for the TRX450R/ER.

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 26 describe parts of the vehicle, grouped according to location.

Find the section you want on this page, then turn to the table of contents in 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 ('04 - '05)	5
	LUBRICATION SYSTEM (After '05)	6
	FUEL SYSTEM ('04 - '05)	7
	FUEL SYSTEM (After '05)	8
	COOLING SYSTEM	9
	ENGINE REMOVAL/INSTALLATION	10
	CYLINDER HEAD/VALVES	11
	CYLINDER/PISTON	12
	CLUTCH/KICKSTARTER/GEARSHIFT LINKAGE ('04 - '05)	13
	CLUTCH/STARTER CLUTCH/KICKSTARTER/GEARSHIFT LINKAGE (After '05)	14
	CRANKCASE/TRANSMISSION/CRANKSHAFT/BALANCER ('04 - '05)	15
	CRANKCASE/TRANSMISSION/CRANKSHAFT/BALANCER (After '05)	16
CHASSIS	FRONT WHEEL/SUSPENSION/STEERING	17
	REAR WHEEL/SUSPENSION	18
	HYDRAULIC BRAKE	19
ELECTRICAL	ELECTRICAL ('04 - '05)	20
	BATTERY/CHARGING SYSTEM (TRX450ER)	21
	IGNITION SYSTEM (After '05)	22
	ELECTRIC STARTER (TRX450ER)	23
	LIGHTS/SWITCHES (After '05)	24
	WIRING DIAGRAM	25
	TROUBLESHOOTING	26
INDEX	27	