

HONDA

OWNER'S MANUAL

READ THIS MANUAL CAREFULLY,
IT CONTAINS IMPORTANT SAFETY INFORMATION.

96

TRX300EX

FOURTRAX300EX

MINIMUM RECOMMENDED OPERATOR AGE: 18



IMPORTANT NOTICES

READ THIS MANUAL CAREFULLY

Your Owner's Manual contains important information on safety, operation, and maintenance. Anyone who operates this FOURTRAX should carefully read and understand the contents of this manual before riding the vehicle.


AGE RECOMMENDATION

The minimum recommended age for this FOURTRAX model is 16. Children under age 16 should never operate this vehicle.

RIDER TRAINING

Anyone who operates this vehicle should get proper instruction. We recommend a certified rider training course which is available to all interested people. For information, contact your Honda dealer or call 1-800-447-4700.

SPECIAL MESSAGES

Honda provides many important safety messages both in this manual and on the vehicle. For your safety and the safety of others, pay special attention to all warnings preceded by this alert symbol . Failure to follow the warnings contained in this manual can result in **SERIOUS INJURY** or **DEATH**.

DANGER

Indicates that severe personal injury or death will result if instructions are not followed.

WARNING

Indicates a strong possibility that serious injury or death may result if instructions are not followed.

To protect your vehicle from damage, pay attention to cautions.

CAUTION:

Indicates a possibility that equipment or property damage could result if instructions are not followed.

NOTE:

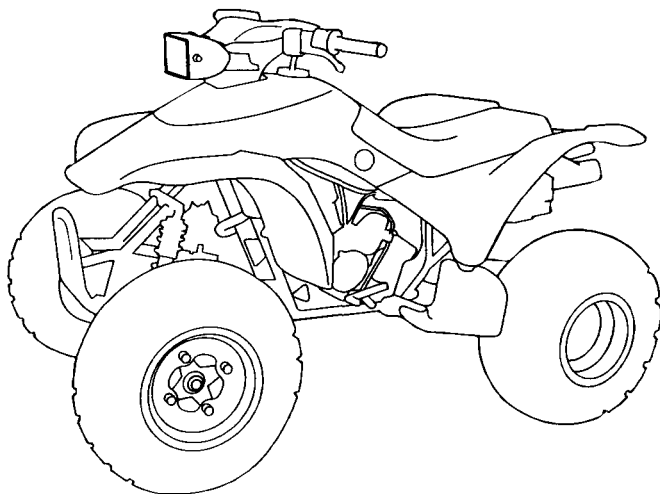
Gives helpful information.

The Owner's Manual should be considered a permanent part of your FOURTRAX. It should remain with the vehicle at all times and stay with the FOURTRAX if it is sold.

**1996
TRX 300EX**

**HONDA FOURTRAX 300EX
OWNER'S MANUAL**

The TRX300EX is designed as a high-performance sport model to be used only by highly-experienced operators with advanced skills.



FOR OFF-ROAD USE ONLY

This vehicle is designed and manufactured for off-road use only. It conforms to US EPA Noise Emission regulations, but does not conform to Federal Motor Vehicle Safety Standards or US EPA Exhaust Emission regulations, and operation on public streets, roads, or highways is illegal. The vehicle is equipped with a USDA qualified spark arrester. Obey local laws and regulations.

PREFACE

Thank you for buying a Honda FOURTRAX. Honda takes pride in a worldwide reputation for quality—in research, design, production and service. Quality is the hallmark of all Honda products and one reason why Honda is the leading manufacturer of ATVs.

To get the best service from your FOURTRAX, we recommend that during the first few days you operate your vehicle so the engine does not labor or approach maximum rpm in any gear. Avoid full throttle operation, and shift gears frequently to vary engine speed. Careful break-in procedures will extend the service life of your engine.

For replacement parts and accessories, we recommend genuine Honda products. They've been specially designed for your vehicle and manufactured to meet Honda's demanding standards.

This manual contains a Maintenance Schedule and information on basic maintenance procedures. If you have the required skills and tools, your Honda dealer can supply you with an Official Honda Service Manual to help you perform more advanced maintenance and repairs. When you need service, remember that your Honda dealer knows your vehicle best and is interested in your complete satisfaction.

We wish you many years of safe and enjoyable riding.

While reading this manual, remember:

⚠ WARNING

Indicates a strong possibility that serious injury or death may result if instructions are not followed.

All information in this publication is based on the latest product information available 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.

© Honda Motor Co., Ltd. 1995. No part of this publication may be reproduced without written permission from Honda Motor Co., Ltd.

CONTENTS

	Page
FOURTRAX SAFETY	1
Special Safety Messages	1
Warning Information	6
PARTS LOCATION AND OPERATION	10
Parts Location	10
Parts Operation	13
Power Controls	13
Lights	18
Gearshift Controls	20
Reverse Selector Knob and Reverse Sequence	21
Brake Controls	22
Fuel Tank	23
Engine Oil	25
Front and Rear Suspension	26
Additional Features	27
RIDING YOUR FOURTRAX	30
Before Riding	30
Rider Preparation	30
Vehicle Preparation	32
Safe Riding Rules	40
Riding	52
Starting the Engine	53
Shifting Gears	57
Riding in Reverse	58
Making Turns	60
Riding Up Hills	63
Riding Down Hills	70
Crossing Slopes	72
Making Turns on Slopes	73
Riding Over Obstacles	74
Riding Through Water	75
Parking	76

(cont'd)

CONTENTS

	Page
MAINTENANCE AND REPAIRS	77
Maintenance Schedule	77
Maintenance Precautions	78
Tool Kit	80
Fuel System	82
Lubrication	96
Drive Chain	101
Engine	105
Clutch	107
Electrical System	110
Brakes	115
Wheels and Tires	122
Seat Removal	127
Engine Guard and Skid Plates	128
Spark Arrester	130
TRANSPORTING YOUR FOURTRAX	132
CLEANING YOUR FOURTRAX	135
STORING YOUR FOURTRAX	137
SPECIFICATIONS	140
WIRING DIAGRAM	142
CONSUMER INFORMATION	143
WARRANTY SERVICE	144
SERIAL NUMBERS	145
INDEX	146
SERVICE MANUALS	151

FOURTRAX SAFETY

SPECIAL SAFETY MESSAGES

AN ATV IS NOT A TOY AND CAN BE HAZARDOUS TO OPERATE.

An ATV handles differently from other vehicles including motorcycles and cars. A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.

SEVERE INJURY OR DEATH can result if you do not follow these instructions:

- * Read this manual and all labels carefully and follow the operating procedures described.
- * Never operate an ATV without proper instruction.
Take a training course. Beginners should receive training from a certified instructor. Contact an authorized ATV dealer or call 1-800-447-4700 to find out about the training courses nearest you.
- * Always follow this age recommendation: A child under 16 years old should never operate an ATV with engine size greater than 90 cc.
- * Never allow a child under age 16 to operate an ATV without adult supervision, and never allow continued use of an ATV by a child if he or she does not have the abilities to operate it safely.

- * Never carry a passenger on an ATV.
- * Never operate an ATV on any paved surfaces, including sidewalks, driveways, parking lots and streets.
- * Never operate an ATV on any public street, road or highway, even a dirt or gravel one.
- * Never operate an ATV without wearing an approved motorcycle helmet that fits properly. You should also wear eye protection (goggles or face shield), gloves, boots, long-sleeved shirt or jacket, and long pants.
- * Never consume alcohol or drugs before or while operating this ATV.
- * Never operate at excessive speeds. Always go at a speed that is proper for the terrain, visibility, and operating conditions, and your experience.
- * Never attempt wheelies, jumps, or other stunts.
- * Always inspect your ATV each time you use it to make sure it is in safe operating condition. Always follow the inspection and maintenance procedures and schedules described in this manual.
- * Always keep both hands on the handlebars and both feet on the footpegs of the ATV during operation.

- * Always go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.
- * Never operate on excessively rough, slippery or loose terrain until you have learned and practiced the skills necessary to control the ATV on such terrain. Always be especially cautious on these kinds of terrain.
- * Always follow proper procedures for turning as described in this manual. Practice turning at low speeds before attempting to turn at faster speeds. Do not turn at excessive speed.
- * Never operate the ATV on hills too steep for the ATV or for your abilities. Practice on smaller hills before attempting larger hills.
- * Always follow proper procedures for climbing hills as described in this manual. Check the terrain carefully before you start up any hill. Never climb hills with excessively slippery or loose surfaces. Shift your weight forward. Never open the throttle suddenly or make sudden gear changes. Never go over the top of any hill at high speed.
- * Always follow proper procedures for going down hills and for braking on hills as described in this manual. Check the terrain carefully before you start down any hill. Shift your weight backward. Never go down a hill at high speed. Avoid going down a hill at an angle that would cause the vehicle to lean sharply to one side. Go straight down the hill where possible.

- * Always follow proper procedures for crossing the side of a hill as described in this manual. Avoid hills with excessively slippery or loose surfaces. Shift your weight to the uphill side of the ATV. Never attempt to turn the ATV around on any hill until you have mastered the turning technique described in this manual on level ground. Avoid crossing the side of a steep hill if possible.
- * Always use proper procedures if you stall or roll backwards when climbing a hill. To avoid stalling, use the proper gear and maintain a steady speed when climbing a hill. If you stall or roll backwards, follow the special procedure for braking described in this manual. Dismount and follow the procedures provided in this manual.
- * Always check for obstacles before operating in a new area. Never attempt to operate over large obstacles, such as large rocks or fallen trees. Always follow proper procedures when operating over obstacles as described in this manual.
- * Always be careful when skidding or sliding. Learn to safely control skidding or sliding by practicing at low speeds and on level, smooth terrain. On extremely slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding out of control.

- * Never operate an ATV in fast flowing water or in water deeper than that specified in this manual. Remember that wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them several times to let friction dry out the linings.
- * Always be sure there are no obstacles or people behind you when you operate in reverse. When it is safe to proceed in reverse, go slowly.
- * Always use the size and type tires specified in this manual. Always maintain proper tire pressure as described in this manual.
- * Never modify an ATV through improper installation or use of accessories.
- * Never exceed the stated load limits for an ATV. Cargo should be properly distributed and securely attached. Reduce speed and follow instructions in this manual for carrying cargo. Allow greater distance for braking.

FOR MORE INFORMATION ABOUT ATV SAFETY, call the Consumer Product Safety Commission at 1-800-638-2772, or the ATV Distributors' Safety Hotline at 1-800-852-5344.

WARNING INFORMATION

Your FOURTRAX comes with hang tag and several labels containing important safety information. Anyone who rides the vehicle should read and understand this information before riding.

The labels should be considered as permanent parts of the vehicle. If a label comes off or becomes hard to read, contact your Honda dealer for replacements.

A WARNING

THIS VEHICLE CAN BE HAZARDOUS TO OPERATE. A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.

SEVERE INJURY OR DEATH can result if you do not follow these instructions.

- **BEFORE YOU OPERATE THIS ATV, READ THE OWNER'S MANUAL AND ALL LABELS.**
- **NEVER OPERATE THIS ATV WITHOUT PROPER INSTRUCTION.** Beginners should complete a certified training course.
- **NEVER CARRY A PASSENGER.** You increase your risk of losing control if you carry a passenger.
- **NEVER OPERATE THIS ATV ON PAVED SURFACES.** You increase your risk of losing control if you operate this ATV on pavement.
- **NEVER OPERATE THIS ATV ON PUBLIC ROADS.** You can collide with another vehicle if you operate this ATV on a public road.
- **ALWAYS WEAR AN APPROVED MOTORCYCLE HELMET,** eye protection and protective clothing.
- **NEVER CONSUME ALCOHOL OR DRUGS** before or while operating this ATV.
- **NEVER OPERATE THIS ATV AT EXCESSIVE SPEEDS.** You increase your risk of losing control if you operate this ATV at speeds too fast for the terrain, visibility conditions, or your experience.
- **NEVER ATTEMPT WHEELIES, JUMPS, OR OTHER STUNTS.**

S SPORT MODEL

**THIS ATV IS FOR
RECREATIONAL USE
BY EXPERIENCED OPERATORS ONLY**

OPERATOR ONLY-NO PASSENGERS

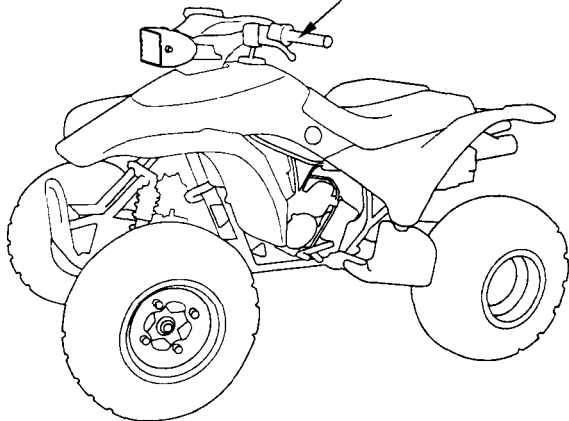
NO OPERATOR UNDER AGE 16

THIS CATEGORY S (SPORT) ATV IS A HIGH PERFORMANCE ATV FOR OFF ROAD USE ONLY. IT IS FOR SPORT TYPE RECREATIONAL AND COMPETITIVE USE BY OPERATORS WITH ADVANCED SKILLS AND SUBSTANTIAL EXPERIENCE.

TRAINING COURSES TO TEACH ATV RIDING SKILLS ARE AVAILABLE. FOR INFORMATION CONTACT YOUR DEALER.

CHECK WITH YOUR DEALER TO FIND OUT ABOUT STATE OR LOCAL LAWS REGARDING ATV OPERATION.

THIS HANGTAG IS NOT TO BE REMOVED BEFORE SALE

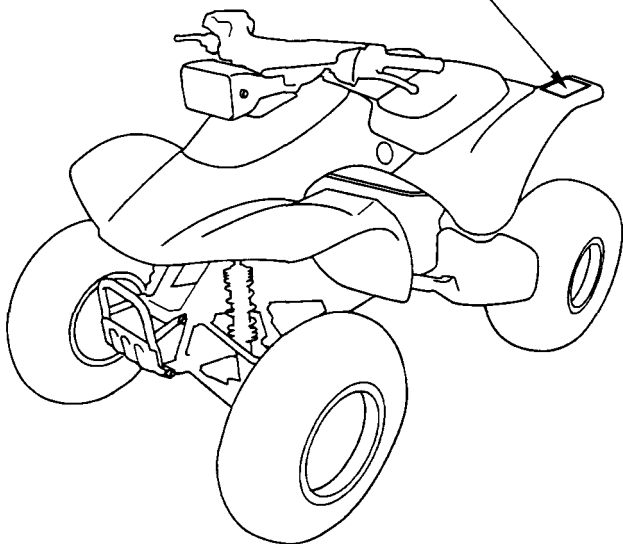


⚠ WARNING

**Improper tire pressure or overloading
can cause loss of control.**

**Loss of control can result in severe
injury or death.**

- **Cold tire pressure ;**
Front : $4.4 \pm 0.4 \text{ psi}$ $0.30 \pm 0.03 \text{ kg/cm}^2$
Rear : $2.9 \pm 0.4 \text{ psi}$ $0.20 \pm 0.03 \text{ kg/cm}^2$
- **Maximum weight capacity ; 270lbs.(120kg)**



WARNING



Operating this ATV if you are under the age of 16 increases your chance of severe injury or death.

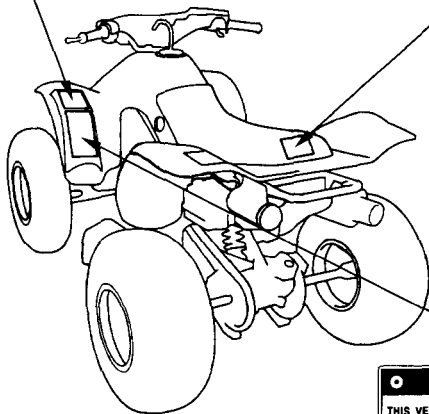
NEVER operate this ATV if you are under age 16.

WARNING

Riding as a passenger can cause the ATV to go out of control.

Loss of control can cause a collision or rollover, which can result in severe injury or death.

NEVER ride as a passenger.



WARNING

THIS VEHICLE CAN BE HAZARDOUS TO OPERATE
A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.

SEVERE INJURY OR DEATH can result if you do not follow these instructions:

- **BEFORE YOU OPERATE THIS ATV, READ THE OWNER'S MANUAL AND ALL LABELS.**
- **NEVER OPERATE THIS ATV WITHOUT PROPER INSTRUCTION.** Beginners should complete a certified training course.
- **NEVER CARRY A PASSENGER.** You increase your risk of losing control if you carry a passenger.
- **NEVER OPERATE THIS ATV ON PAVED SURFACES.** You increase your risk of losing control if you operate this ATV on pavement.
- **NEVER OPERATE THIS ATV ON PUBLIC ROADS.** You can collide with another vehicle if you operate this ATV on public road.
- **ALWAYS WEAR AN APPROVED MOTORCYCLE HELMET, eye protection, and protective clothing.**
- **NEVER CONSUME ALCOHOL OR DRUGS** before or while operating this ATV.
- **NEVER OPERATE THIS ATV AT EXCESSIVE SPEEDS.** You increase your risk of losing control if you operate this ATV at speeds too fast for the terrain, visibility conditions, or your experience.
- **NEVER ATTEMPT WHEELIES, JUMPS, OR OTHER STUNTS.**

PARTS LOCATION AND OPERATION

PARTS LOCATION

- (1) Clutch lever/Parking brake lever
- (2) Reverse selector knob
- (3) Headlight switch
Engine stop switch
Headlight dimmer switch
Starter button
- (4) Neutral indicator lamp
- (5) Reverse indicator lamp
- (6) Front brake lever
- (7) Throttle lever
- (8) Ignition switch
- (9) Fuel tank cap

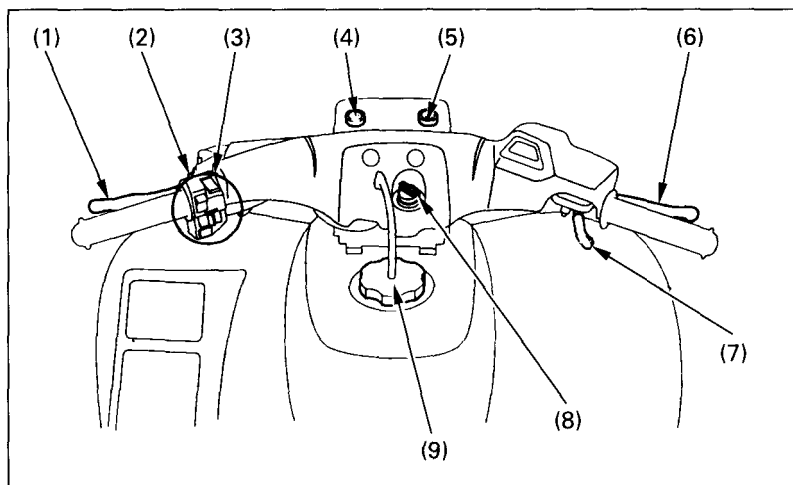


Fig. 2-1

Handlebars, from rider's point of view

- (10) Headlight
- (11) Fuel valve
- (12) Flag pole bracket
- (13) Seat lock lever
- (14) Air pressure gauge
- Tool Kit
- Owner's manual
- (15) Reverse lever
- (16) Operator footpeg
- (17) Gearshift pedal

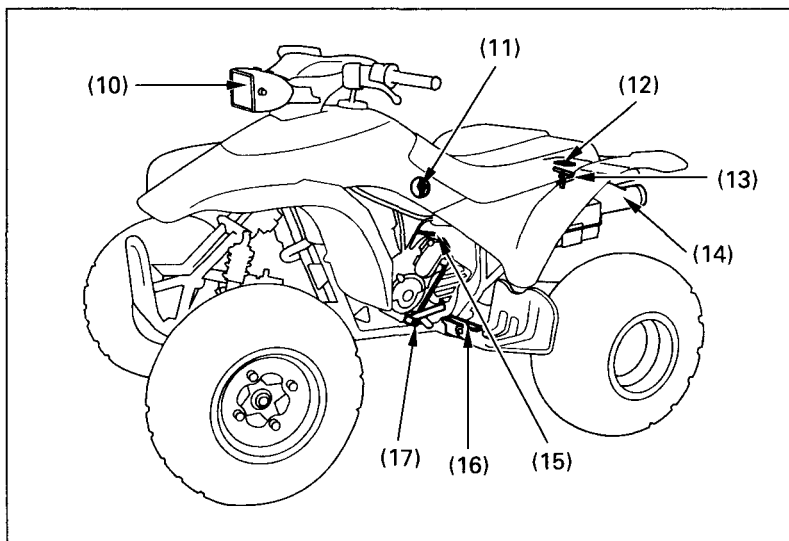


Fig. 2-2

Left side of FOURTRAX

- (18) Rear brake fluid reservoir
- (19) Front brake fluid reservoir
- (20) Helmet holder
- (21) Oil filler cap/dipstick
- (22) Rear brake pedal
- (23) Operator footpeg

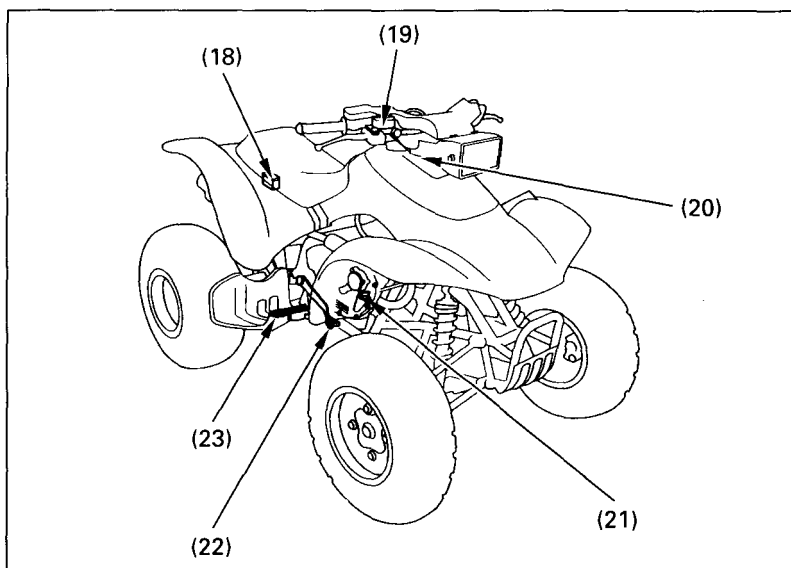


Fig. 2-3

Right side of FOURTRAX

PARTS OPERATION

POWER CONTROLS

Ignition Switch

The ignition switch (Fig. 2-4) is in the center of the handlebars directly in front of the seat.

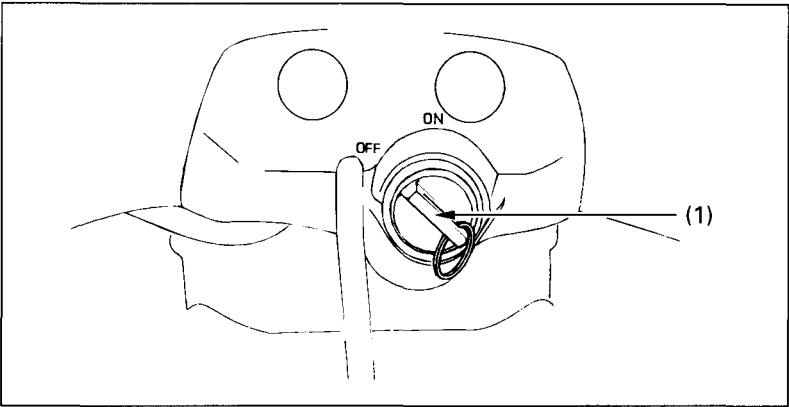


Fig. 2-4

(1) Ignition switch

Key Position	Function	Key Removal
OFF	The engine and headlight cannot be operated.	The key can be removed.
ON	The headlights can be turned on. With the engine stop switch at RUN and the transmission in neutral, the engine can be started.	The key cannot be removed.

Engine Stop Switch

The engine stop switch (Fig. 2-5) is next to the left handgrip, and it has three positions. When the switch is in the RUN position, the engine will operate. When the switch is in either OFF position, the engine will not operate.

This switch is intended primarily as a safety or emergency control, and it should normally remain in the RUN position.

NOTE:

If you stop your FOURTRAX by turning the engine stop switch OFF, be sure to turn the ignition switch OFF to prevent battery discharge.

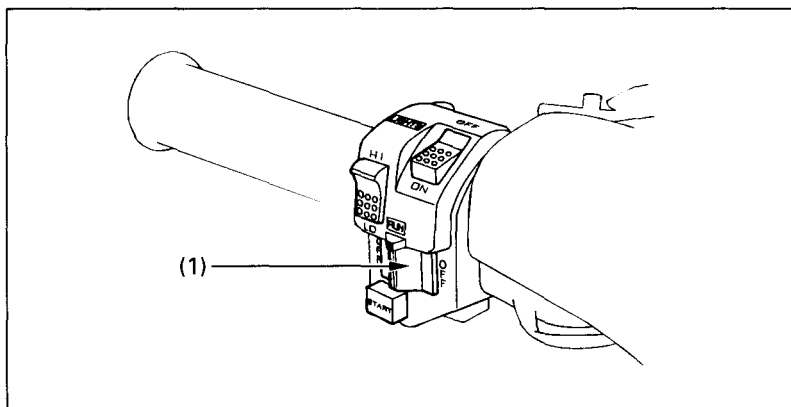


Fig. 2-5

(1) Engine stop switch

Choke Lever

The choke lever (Fig. 2-6) is on the left side of the carburetor. The choke has three positions: fully ON (C), halfway position (B), and fully OFF (A).

To start a cold engine when air temperature is 10–35°C (50–90°F), push the choke lever down to fully ON before pressing the starter button. At colder air temperatures, pull the choke to fully ON position before pressing the starter button. As the engine warms, push the lever to the halfway position. After the engine is warm, push the choke to fully OFF. To restart a warm engine, it is not necessary to use the choke.

CAUTION:

Extended use of the choke may impair piston and cylinder wall lubrication and shorten the life of the engine.

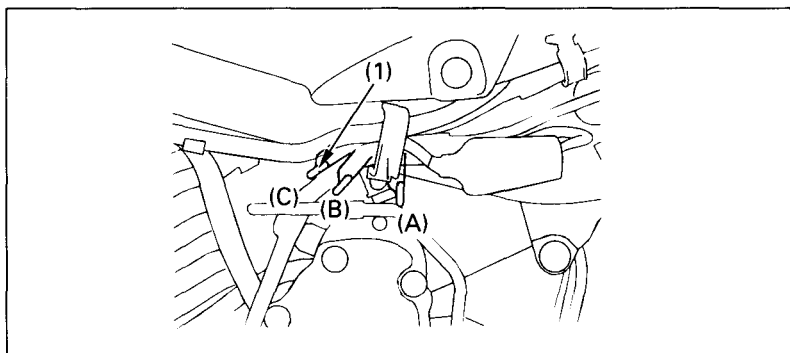


Fig. 2-6

(1) Choke lever

(A) Fully OFF

(B) Halfway position

(C) Fully ON

Starter Button

The starter button (Fig. 2-7) is below the engine stop switch. To start the engine, press the starter button (1), with the transmission in neutral, the ignition switch ON and the engine stop switch at RUN.

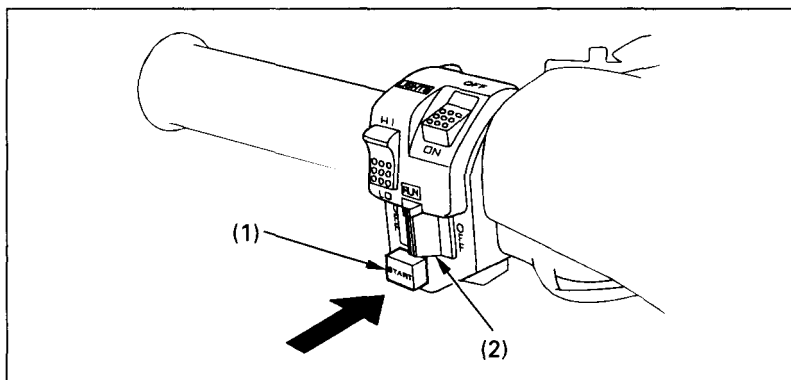


Fig. 2-7

(1) Starter button

(2) Engine stop switch

Throttle Lever

The throttle lever (Fig. 2-8) is next to the right handgrip, and it is operated by the thumb. Pressing the lever opens the throttle. When pressure is released, spring tension automatically closes the throttle.

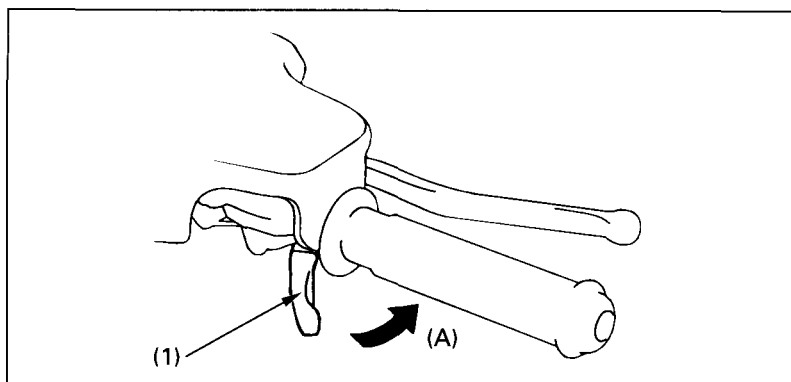


Fig. 2-8

(1) Throttle lever
(A) To open the throttle

Rear Brake

The rear brake pedal (1) is near the right footpeg.

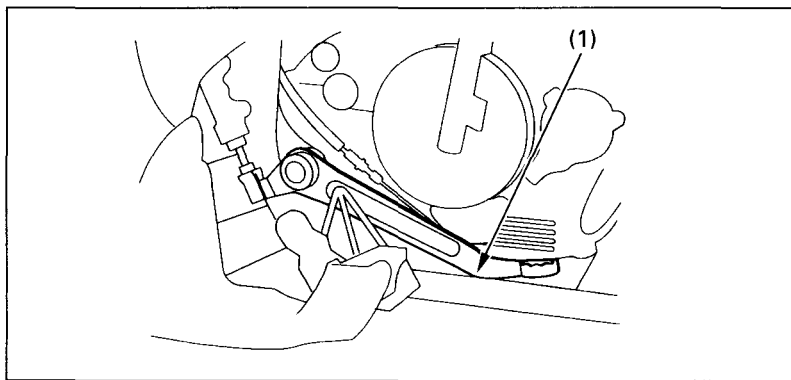


Fig. 2-9

(1) Rear brake pedal

LIGHTS

Headlight and Dimmer Switches

The headlight and dimmer switches (Fig. 2-10) are above the engine stop switch, next to the left handgrip.

Turning the headlight switch (1) ON turns the headlight on. Use the dimmer switch (2) to select either high beam (HI) or low beam (LO).

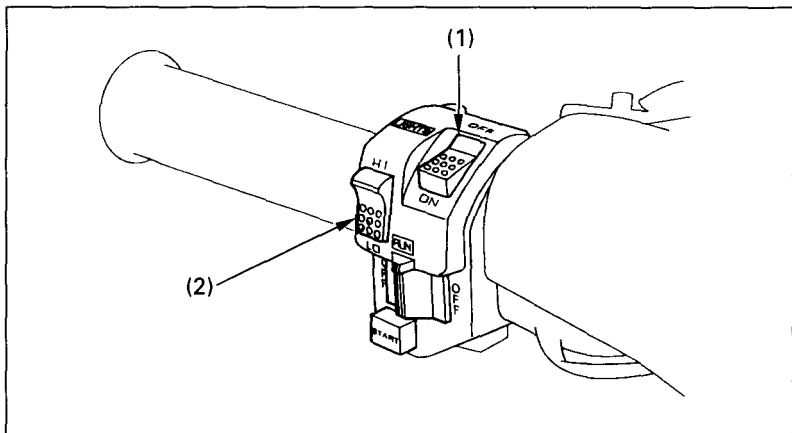


Fig. 2-10 (1) Headlight switch

(2) Dimmer switch

Reverse and Neutral Indicator Lamp

The reverse indicator lamp (1) and the neutral indicator lamp (2) (Fig. 2-11) are located on the headlight case.

The reverse indicator lamp will light when the transmission is in reverse and the ignition switch is ON. The neutral indicator lamp will light when the transmission is in neutral and the ignition switch is ON.

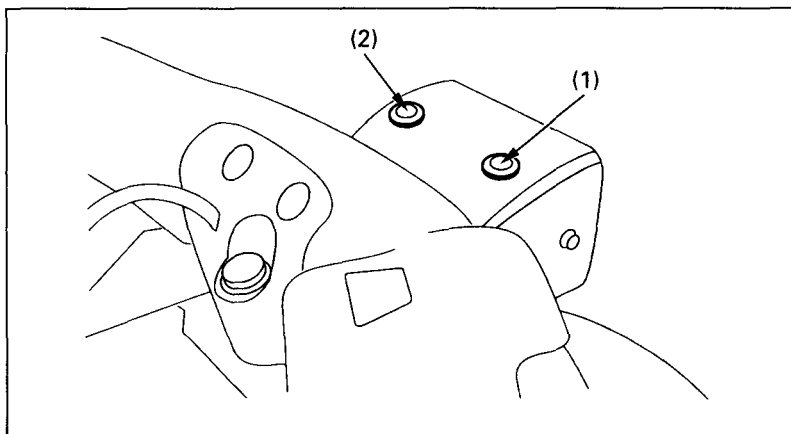


Fig. 2-11

(1) Reverse indicator lamp
(2) Neutral indicator lamp

GEARSHIFT CONTROLS

Gearshift Pedal

The gearshift pedal is near the left footpeg. One full stroke of the pedal shifts the transmission to the next higher or lower gear in the shifting sequence (Fig. 2-12). The pedal automatically returns to the horizontal position when released.

Your FOURTRAX has five-forward gears (1, 2, 3, 4 and 5). To shift the transmission, pull in the clutch lever, then operate the gearshift pedal as follows.

To upshift to a higher gear, put the toe of your boot under the gearshift pedal and raise the pedal one full stroke. To downshift, step on the gearshift pedal and depress the pedal one full stroke. (For further operational instructions, see page 57.)

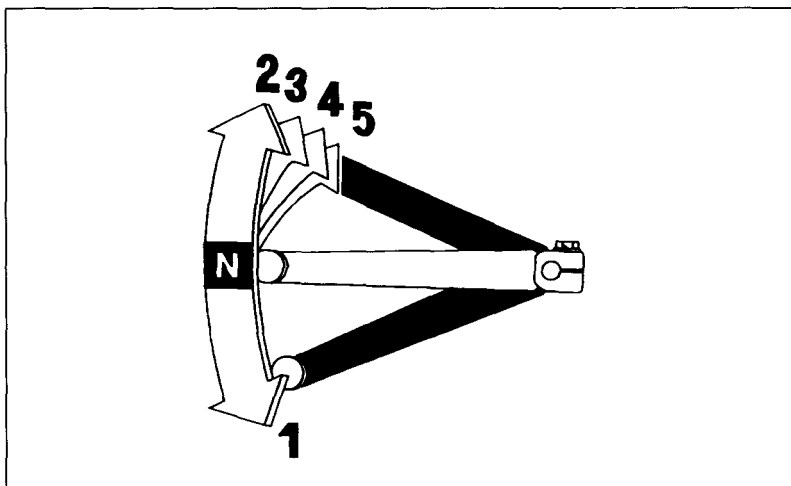


Fig. 2-12

Gearshifting sequence

REVERSE SELECTOR KNOB AND REVERSE SEQUENCE

Reverse lever

The reverse selector knob (Fig. 2-13) (1) is near the clutch lever (2). The reverse lever (Fig. 2-13) (3) is above the left footpeg.

To shift into reverse, first bring the FOURTRAX to a complete stop and make sure the transmission is in neutral. While pushing the reverse selector knob (1) in, squeeze the clutch lever.

Pull up on the reverse lever and check that the reverse indicator lamp comes on.

CAUTION:

Bring the FOURTRAX to a complete stop before shifting the transmission into reverse. If the transmission is shifted into reverse while the vehicle is moving, the transmission will be damaged.

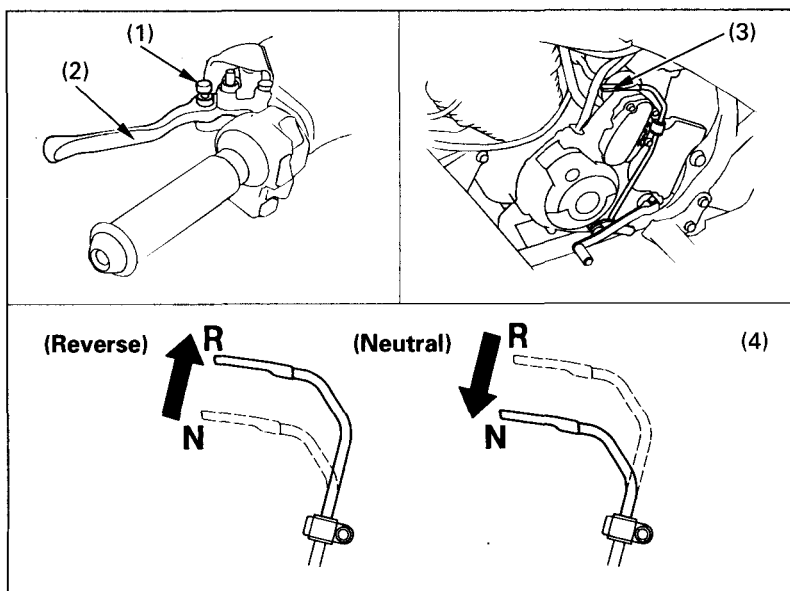


Fig. 2-13 (1) Reverse selector knob
(2) Clutch lever

(3) Reverse lever
(4) Reverse sequence

BRAKE CONTROLS

Front Brakes

The front brakes are operated by squeezing the front brake lever, near the right handgrip.

Rear Brake

The rear brake is operated by depressing the brake pedal.

Parking Brake

The clutch lever also functions as the parking brake lever (Fig. 2-14). To apply the parking brake, push down the parking brake pin (3), squeeze the clutch lever (1) and lock it with the lock (A). Always apply the parking brake when parking the FOURTRAX or starting the engine. To release the parking brake, squeeze the clutch lever (1) so the lock (2) automatically retracts.

NOTE:

Use of the parking brake in freezing weather may cause the rear brake parking linkage to freeze in the locked position.

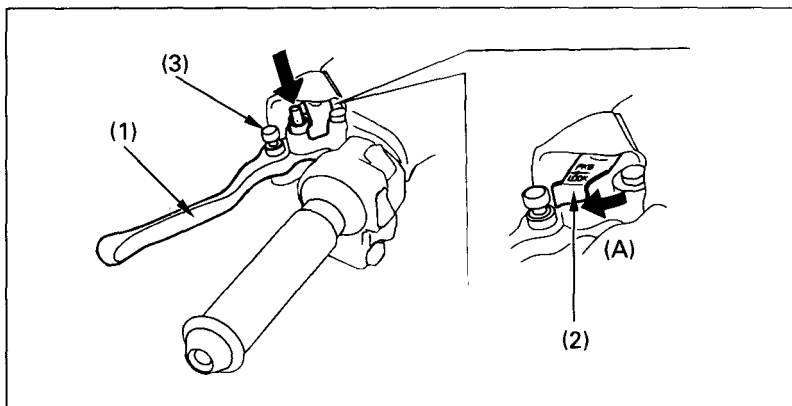


Fig. 2-14

(1) Clutch lever/
Parking brake lever
(2) Lock lever

(3) Parking brake pin
(A) To lock

FUEL TANK

Fuel Fill Cap

After refueling, be sure to tighten the fuel cap firmly by turning it clockwise. Align the arrow (3) on the fuel fill cap with the reference mark (4) on the frame cover.

Insert the breather tube into the handlebar cover hole.

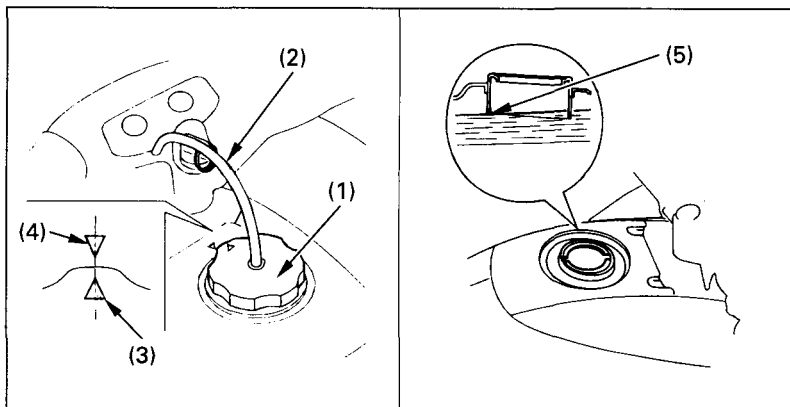


Fig. 2-15 (1) Fuel fill cap
(2) Breather tube
(3) Arrow

(4) Reference mark
(5) Filler neck

Fuel Valve

The fuel valve (Fig. 2-16) is on the left side of the fuel tank, and it has three positions:

OFF

When the fuel valve is in the OFF position, fuel cannot flow to the carburetor. Turn the valve OFF whenever the FOURTRAX is not in use.

ON

When the fuel valve is in the ON position, fuel will flow from the main fuel supply to the carburetor.

RES

When the fuel valve is in the RES position, fuel will flow from the reserve fuel supply to the carburetor. Use the reserve fuel only when the main supply is gone.

Refill the tank as soon as possible after switching to RES. The reserve fuel supply is:

1.8 ℓ (0.48 US gal , 0.40 Imp gal)

NOTE:

After refueling, do not operate the FOURTRAX with the fuel valve in the RES position. If you run out of fuel, there will be no reserve supply.

For gasoline recommendations and refueling instructions, see pages 82–85 .

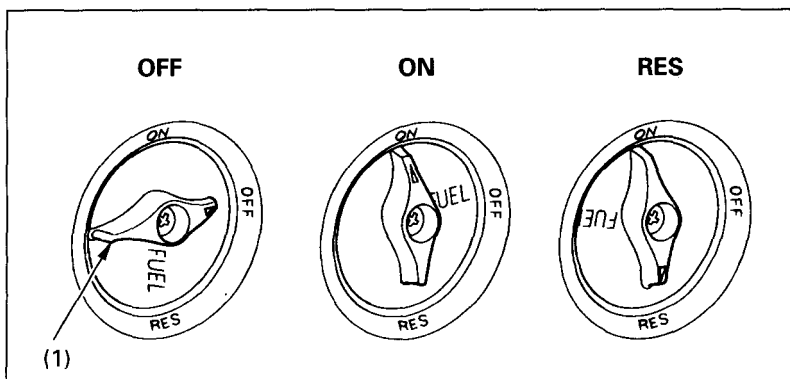


Fig. 2-16

(1) Fuel valve

FRONT AND REAR SUSPENSION

Each shock absorber (1) has five adjustment positions for different rider weights and riding conditions.

Position I is for light weight and smooth ground conditions. Positions II to V progressively increase spring tension for a stiffer suspension. Be certain to adjust each shock absorber to the same position.

STANDARD POSITION: II

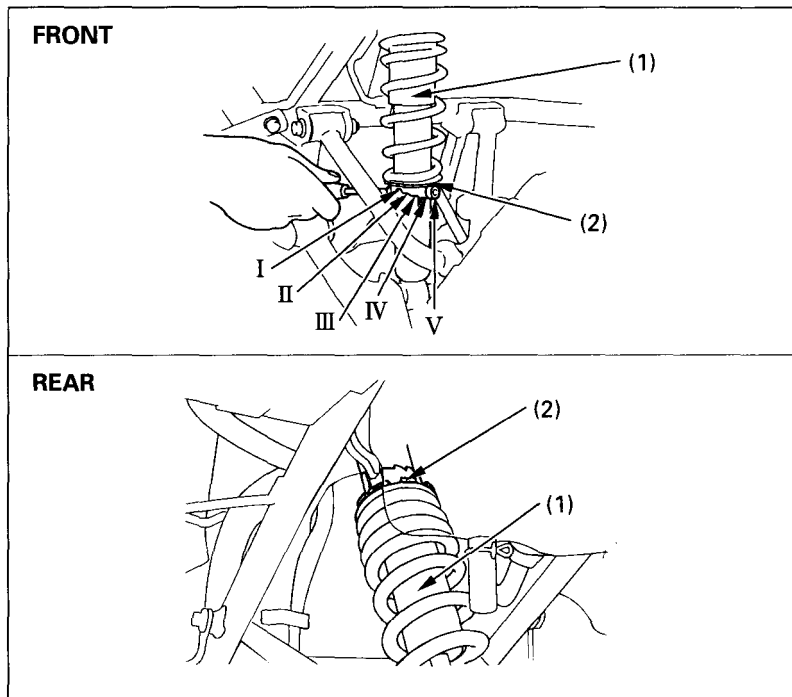


Fig. 2-18

(1) Shock absorber
(2) Adjuster

ADDITIONAL FEATURES

Helmet Holder

The helmet holder (Fig. 2-19) is a bracket near the right side of the handlebar cover (1). To use the holder, hang the D-ring on your helmet strap over the bracket. Use the helmet holder only when the FOURTRAX is parked.

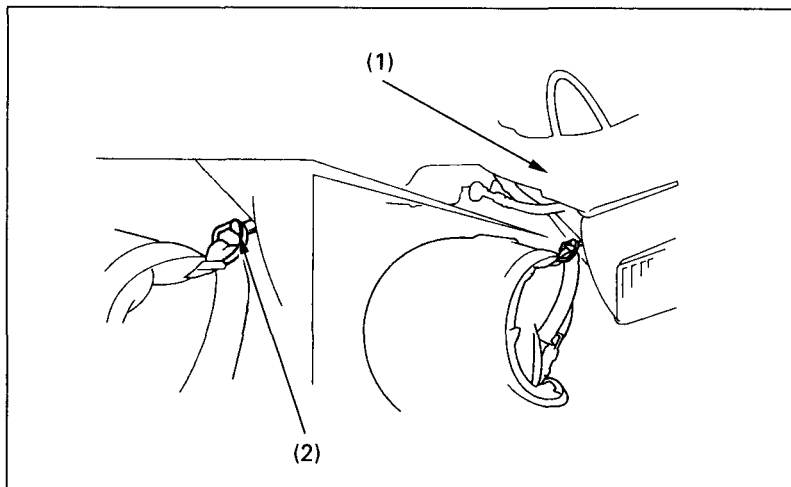


Fig. 2-19

- (1) Handlebar cover
- (2) Helmet holder

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV with a helmet attached to the helmet holder.

WHAT CAN HAPPEN

Can impair your ability to steer the vehicle.

HOW TO AVOID THE HAZARD

**Never ride this ATV with a helmet attached to the helmet holder.
Use the helmet holder only while the ATV is parked.**

Flag Pole Bracket

The flag pole bracket (Fig.2-20) is on the carry pipe. Flag poles are optional equipment available from your Honda dealer. To mount a pole in the bracket, follow the instructions that come with the flag pole kit.

NOTE:

Flag poles are required in some riding areas. Check local regulations before riding.

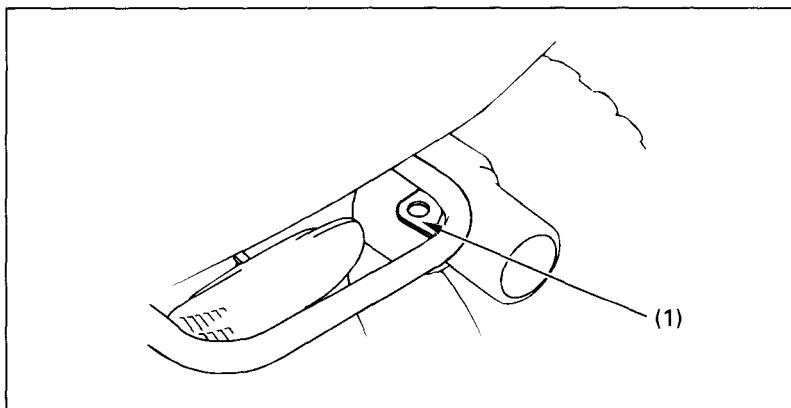


Fig. 2-20

(1) Flag pole bracket

Storage Compartment

The storage compartment (Fig. 2-21) is below the rear fender. Remove the compartment cover (1) to gain access to the compartment. The Owner's Manual (2), air pressure gauge (3) and tool kit (4) should be stored in the storage compartment.

Be careful not to flood this area when washing your FOURTRAX or riding through water.

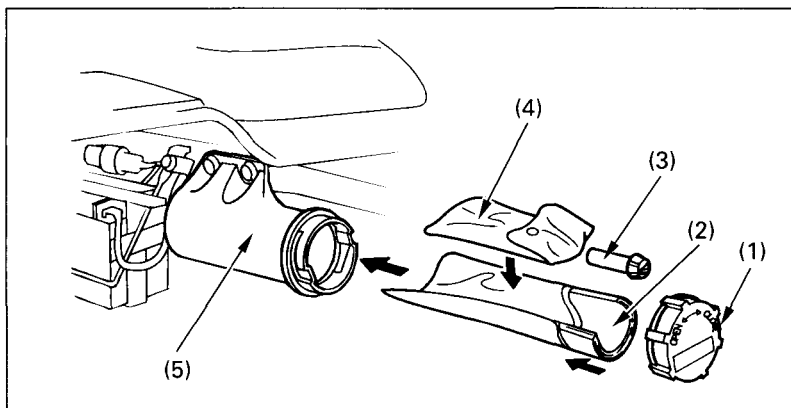


Fig. 2-21 (1) Compartment cover (4) Tool kit
(2) Owner's manual (5) Storage compartment
(3) Air pressure gauge

RIDING YOUR FOURTRAX

This part of the Owner's Manual discusses how to ride your FOURTRAX safely. Please review the special safety messages on pages 1–5 . While reading this manual, remember:

⚠ WARNING Indicates a strong possibility that serious injury or death may result if instructions are not followed.

BEFORE RIDING

You need to be prepared before riding. This includes getting proper instruction, making sure your FOURTRAX is in good operating condition, and learning some basic safe-riding rules.

RIDER PREPARATION

Age Recommendation

The minimum recommended age for this FOURTRAX model is 16. For safety, never let children under 16 years old operate this vehicle.

WARNING

POTENTIAL HAZARD

Failure to follow the age recommendation for this ATV.

WHAT CAN HAPPEN

If children use ATVs that are not recommended for their age, severe injury or death can result.

Even though a child may be within the age group for which an ATV is recommended, he or she may not have the skills, abilities, or judgment needed to operate the ATV safely and may be involved in a serious accident.

HOW TO AVOID THE HAZARD

A child under 16 should never operate an ATV with engine size greater than 90 cc.

Rider Training

Beginning and inexperienced riders should get proper instruction on how to operate this FOURTRAX safely. A hands-on rider training course is available in your area. For information, contact your Honda dealer.

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV without proper instruction.

WHAT CAN HAPPEN

The risk of an accident is greatly increased if the operator does not know how to operate the ATV properly in different situations and on different types of terrain.

HOW TO AVOID THE HAZARD

Beginning and inexperienced operators should complete the certified training course offered by Honda. They should then regularly practice the skills learned in the course and the operating techniques described in this Owner's Manual.

For more information about the training course, contact an authorized Honda dealer or call 1-800-447-4700.

VEHICLE PREPARATION

Pre-Ride Inspection

Inspect your FOURTRAX every day before you ride it. Checking the items below will take only a few minutes, and in the long run, they can save time, expense, and possibly your life.

1. **Engine oil level.** Check the oil level and add oil if required (pages 96-97). Check for leaks.

2. **Fuel level.** Fill the fuel tank when necessary (pages 82–85). Check for leaks.
3. **Brakes.** Check operation. Make sure there is no brake fluid leakage. If necessary, adjust free play (pages 115–121).
4. **Tires.** Check condition and pressure (pages 123–125).
5. **Throttle.** Check for smooth opening and closing in all steering positions.
6. **Headlight and headlight dimmer switches.** Check for proper function (page 18).
7. **Engine stop switch.** Check for proper function (page 14).
8. **Nuts, bolts, fasteners.** Check the wheels to see that the axle nuts are tightened. Check the security of all other nuts, bolts and fasteners.
9. **Steering.** Check that the wheels turn properly as you steer the handlebars.
10. **Underbody and exhaust system.** Check for, and remove, any dirt, vegetation or other debris that could be a fire hazard or interfere with the proper operation of the vehicle.
11. **Drive chain.** Check condition and slack. If necessary adjust and lubricate (pages 101–104).
12. **Air cleaner case drain tube.** Check for deposits in the drain tube. If necessary, clean the tube (page 92) and check the air cleaner case.

WARNING

POTENTIAL HAZARD

**Failure to inspect the ATV before operating.
Failure to properly maintain the ATV.**

WHAT CAN HAPPEN

Increases the possibility of an accident.

HOW TO AVOID THE HAZARD

Always inspect your ATV each time you use it to make sure the ATV is in safe operating condition.

Always follow the inspection and maintenance procedures and schedules described in this Owner's Manual.

Correct any problem before you ride. If you can't correct a problem, contact your Honda dealer for assistance.

If your FOURTRAX has overturned or been involved in a collision, do not ride the vehicle until it has been inspected by an authorized Honda dealer. There may be damage or other problems you cannot see.

Tires

Before riding, make sure your FOURTRAX has the proper tires and that they are in good condition. Also be sure the tires are inflated to the proper air pressure (see page 124).

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV with improper tires, or with improper or uneven tire pressure.

WHAT CAN HAPPEN

Use of improper tires on this ATV, or operation of this ATV with improper or uneven tire pressure, may cause loss of control, increasing your risk of an accident.

HOW TO AVOID THE HAZARD

Always use the size and type tires specified in the Owner's Manual for this vehicle.

Always maintain proper tire pressure as described in this Owner's Manual.

Loading

Load Limits

There are limits to how much weight can be carried on your FOURTRAX.

NOTE:

The following weight limits apply to standard equipment only. Modifying your FOURTRAX, using non-standard equipment or riding on terrain that is not flat and smooth could further reduce these limits.

Maximum weight capacity 120 kg (270 lbs) maximum
(Combined weight of the rider, all accessories and all cargo)

Loading and Operational Guidelines

This FOURTRAX is not designed to carry cargo or tow a trailer. If you decide to add accessories to allow you to carry cargo or tow a trailer, use common sense.

Carrying cargo will affect how your FOURTRAX handles and greatly reduce its ability in accelerating, braking and making turns and other maneuvers.

Be sure to observe the weight limits and follow these guidelines:

1. Never ride with a passenger.
2. Do not tow another vehicle.
3. Make sure all cargo is secured before riding.
4. Allow extra room for starting, stopping and turning whenever you carry cargo or pull a trailer.
5. Avoid riding on steep slopes when carrying cargo or pulling a trailer.
6. Never cross a slope when towing a trailer.

⚠ WARNING

POTENTIAL HAZARD

Overloading this ATV or carrying or towing cargo improperly.

WHAT CAN HAPPEN

Could cause changes in vehicle handling, stability and braking which could lead to an accident.

HOW TO AVOID THE HAZARD

Never exceed the stated load limits for this ATV.

Cargo should be properly distributed and securely attached.

Reduce speed when carrying cargo or pulling a trailer. Allow greater distance for braking.

Use extra care when operating on hills and riding over obstacles. Never cross a slope when pulling a trailer.

Always follow the instructions in this Owner's Manual for carrying cargo or pulling a trailer.

Accessories

Genuine Honda accessories have been specifically designed for and tested on this vehicle. Because Honda cannot test all other accessories, you are personally responsible for properly selecting, installing, and using non-Honda accessories. Always follow the loading instructions above, plus the following:

1. Carefully inspect the accessory to make sure it does not block any lights, reduce ground clearance, or limit suspension travel, steering travel, or other controls.
2. Make sure the accessory does not interfere with your ability to shift body position on the seat or operate hand and foot controls.

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV with improper modifications.

WHAT CAN HAPPEN

Improper installation of accessories or modification of this vehicle may cause changes in handling which could lead to an accident.

HOW TO AVOID THE HAZARD

Never modify this ATV through improper installation or use of accessories. All parts and accessories added to this vehicle should be genuine Honda or equivalent components designed for use on this ATV and should be installed and used according to instructions. If you have questions, consult an authorized Honda dealer.

While reading this manual, remember:

⚠ WARNING Indicates a strong possibility that serious injury or death may result if instructions are not followed.

No Modifications

Modifying this FOURTRAX or removing original equipment may render the vehicle unsafe or illegal. Spark arresters and mufflers are required in most areas. Don't modify your exhaust system. Remember, excessive noise bothers everyone and creates a bad image for off-road vehicles.

SAFE RIDING RULES

Protective Apparel

Always wear an approved motorcycle helmet when riding your FOURTRAX. You should also always wear goggles or a face shield, gloves, boots, a long-sleeved shirt or jacket, and long pants.

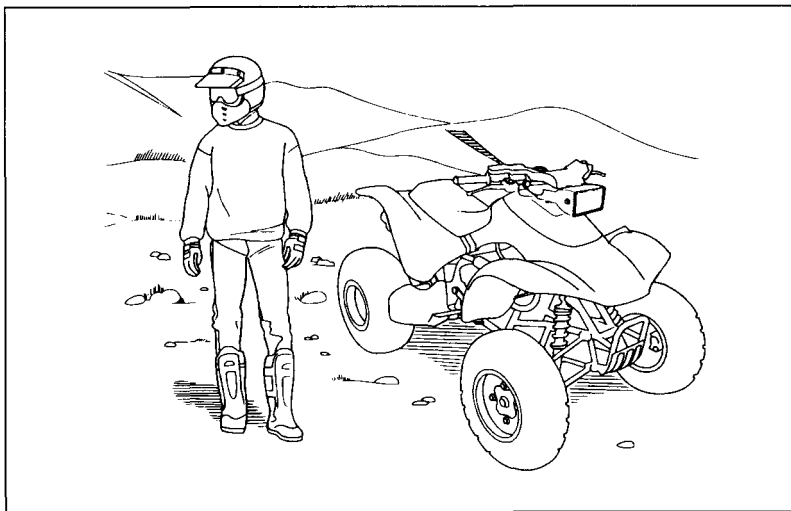


Fig. 3-1

An example of a properly dressed rider.

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV without wearing an approved motorcycle helmet, eye protection and protective clothing.

WHAT CAN HAPPEN

Operating without an approved motorcycle helmet increases your chances of a severe head injury or death in the event of an accident.

Operating without eye protection can result in an accident and increases your chances of a severe injury in the event of an accident.

Operating without protective clothing increases your chances of severe injury in the event of an accident.

HOW TO AVOID THE HAZARD

Always wear an approved motorcycle helmet that fits properly.

You should also wear: eye protection (goggles or face shield), gloves, boots, long-sleeved shirt or jacket and long pants.

No Passengers

This FOURTRAX is designed as an operator-only vehicle. The seat is designed to allow the rider to change body position, not for carrying a passenger. Never let a passenger ride on your FOURTRAX.

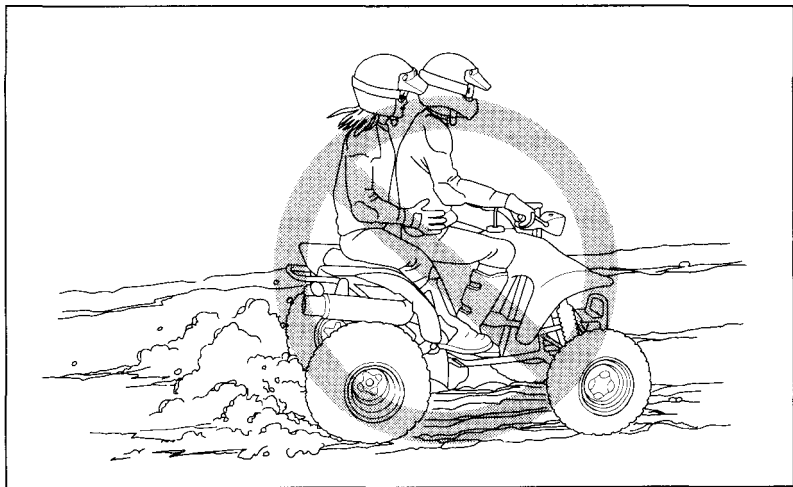


Fig. 3-2

Never carry a passenger on your FOURTRAX.

⚠ WARNING

POTENTIAL HAZARD

Carrying a passenger on this ATV.

WHAT CAN HAPPEN

Greatly reduces your ability to balance and control this ATV.

Could cause an accident, resulting in harm to you and/or your passenger.

HOW TO AVOID THE HAZARD

Never carry a passenger. The long seat is to allow the operator to shift position as needed during operation. It is not for carrying passengers.

No Alcohol or Drugs

Alcohol, drugs and FOURTRAX's don't mix. Even a small amount of alcohol can impair your ability to operate a FOURTRAX safely. Likewise, drugs—even if prescribed by a physician—can be dangerous while operating a FOURTRAX. Consult your doctor to be sure it is safe to operate a vehicle after taking medication.

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV after consuming alcohol or drugs.

WHAT CAN HAPPEN

Could seriously affect your judgment.

Could cause you to react more slowly.

Could affect your balance and perception.

Could result in an accident.

HOW TO AVOID THE HAZARD

Never consume alcohol or drugs before or while driving this ATV.

Off-Road Only

Your FOURTRAX is designed and manufactured for off-road use only, not for pavement. Riding on pavement can affect handling and control. You should not ride your FOURTRAX on pavement.

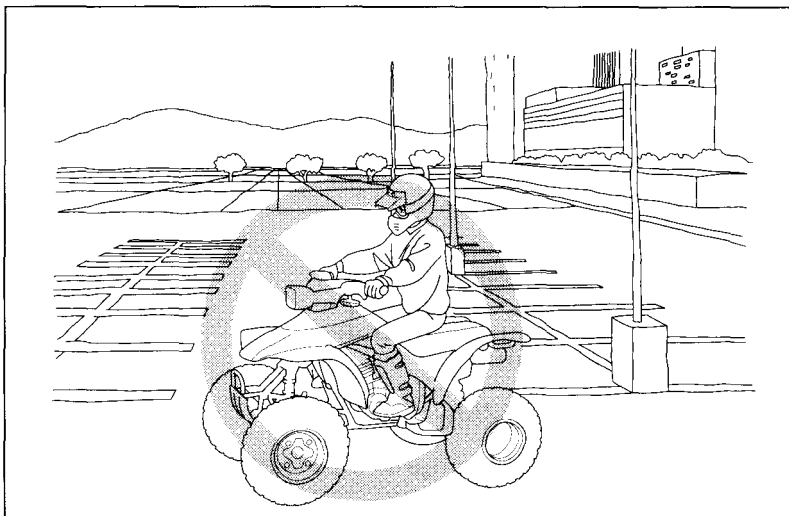


Fig. 3-3

Never ride on paved surfaces.

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV on paved surfaces.

WHAT CAN HAPPEN

The ATV and its tires are designed for off-road use only, not for use on pavement. Paved surfaces may seriously affect handling and control of the ATV, and may cause the vehicle to go out of control.

HOW TO AVOID THE HAZARD

Never operate the ATV on any paved surfaces, including sidewalks, driveways, parking lots and streets.

You should never ride your FOURTRAX on public streets, roads or highways, even if they are not paved. Drivers of street vehicles may have difficulty seeing and avoiding you, which could lead to a collision.

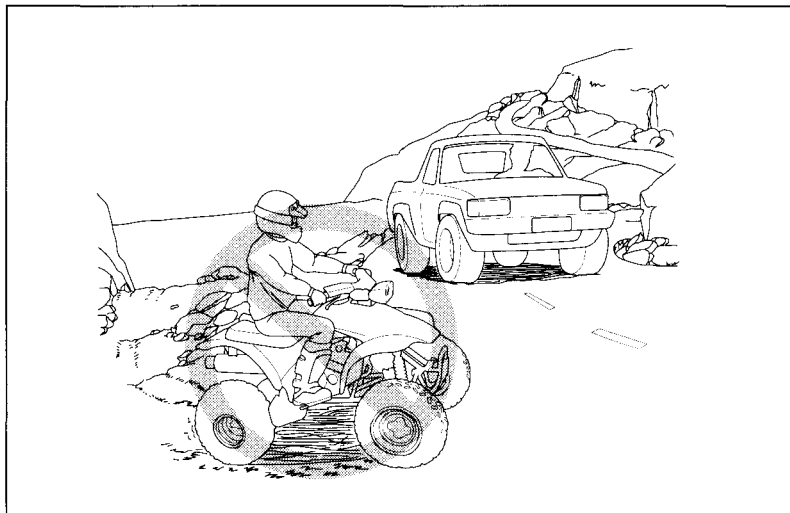


Fig. 3-4

Never ride on public roads or highways.

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV on public streets, roads or highways.

WHAT CAN HAPPEN

You can collide with another vehicle.

HOW TO AVOID THE HAZARD

Never operate this ATV on any public street, road or highway, even a dirt or gravel one.

In many states it is illegal to operate ATVs on public streets, roads and highways.

FOR OFF-ROAD USE ONLY

This vehicle is designed and manufactured for off-road use only. It conforms to US EPA Noise Emission regulations, but does not conform to Federal Motor Vehicle Safety Standards or US EPA Exhaust Emission regulations, and operation on public streets, roads, or highways is illegal. The vehicle is equipped with a USDA qualified spark arrester. Obey local laws and regulations.

When riding off-road, also remember to always obey local off-road riding laws and regulations. Obtain permission to ride on private property. Avoid posted areas and obey "no trespassing" signs.

Keep Hands and Feet on Controls

Always keep both hands on the handlebars and both feet on the footpegs when riding your FOURTRAX. This is important to maintain your balance and to control the vehicle. If you put your feet on the ground while the FOURTRAX is moving, they could come in contact with the rear wheels, causing injury.

WARNING

POTENTIAL HAZARD

Removing hands from handlebars or feet from footpegs during operation.

WHAT CAN HAPPEN

Removing even one hand or foot can reduce your ability to control the ATV or could cause you to lose your balance and fall off of the ATV. If you remove a foot from the footpeg, your foot or leg may come into contact with the rear wheels, which could injure you or cause an accident.

HOW TO AVOID THE HAZARD

Always keep both hands on the handlebars and both feet on the footpegs of your ATV during operation.

Control Speed

Riding at excessive speed increases the chance of an accident. In choosing a proper speed, you need to consider the capability of your vehicle, the terrain, visibility and other operating conditions, plus your own skills and experience.

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV at excessive speeds.

WHAT CAN HAPPEN

Increases your chances of losing control of the ATV, which can result in an accident.

HOW TO AVOID THE HAZARD

Always go at a speed that is proper for your vehicle, the terrain, visibility and other operating conditions, and your experience.

No Stunts

When riding, you should keep all four wheels of your FOURTRAX on the ground. Avoid "wheelies," jumps and other stunts, as they could cause loss of control.

⚠ WARNING

POTENTIAL HAZARD

Attempting wheelies, jumps, and other stunts.

WHAT CAN HAPPEN

Increases the chance of an accident, including an overturn.

HOW TO AVOID THE HAZARD

**Never attempt stunts, such as wheelies or jumps.
Don't try to show off.**

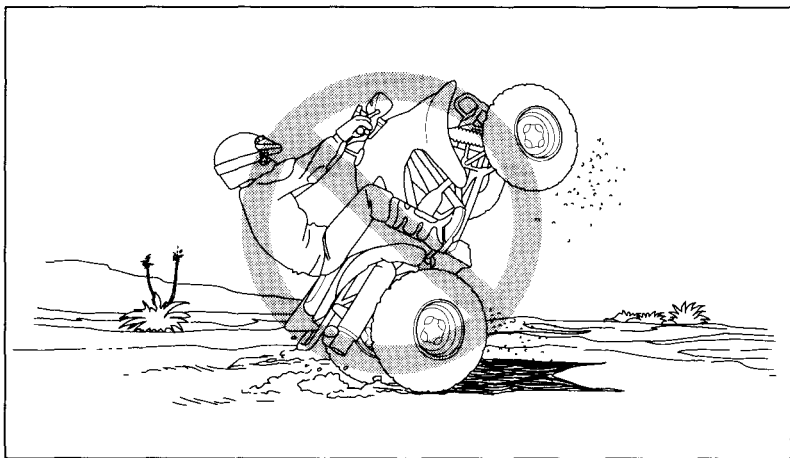


Fig. 3-5

Never attempt wheelies or other stunts.

Use Care on Unfamiliar Terrain

Before riding in a new area, always check the terrain thoroughly. Don't ride fast on unfamiliar terrain or when visibility is limited. (It's sometimes difficult to see obstructions.)

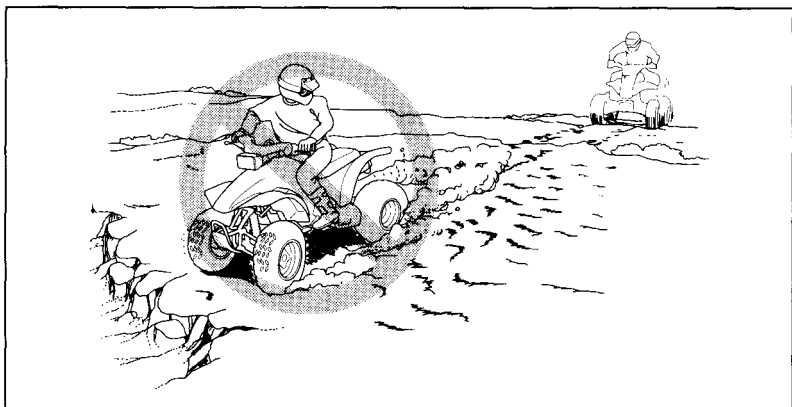


Fig. 3-6

Be alert for changes in the terrain.

⚠ WARNING

POTENTIAL HAZARD

Failure to use extra care when operating this ATV on unfamiliar terrain.

WHAT CAN HAPPEN

You can come upon hidden rocks, bumps, or holes without enough time to react.

Could result in the ATV overturning or going out of control.

HOW TO AVOID THE HAZARD

Go slowly and be extra careful when operating on unfamiliar terrain.

Always be alert to changing terrain conditions when operating the ATV.

Never ride past your limit of visibility. Maintain a safe distance between your FOURTRAX and other off-road vehicles. Always exercise caution, and use extra care on rough, slippery and loose terrain.

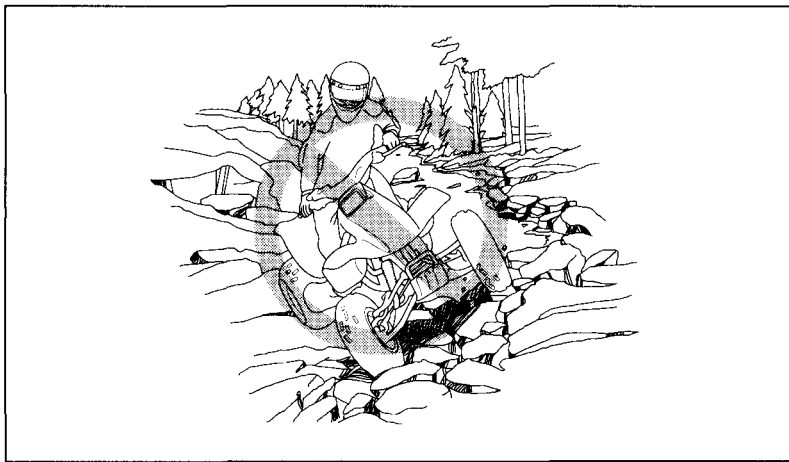


Fig. 3-7

Use extra care on rough terrain.

⚠ WARNING

POTENTIAL HAZARD

Failure to use extra care when operating on excessively rough, slippery or loose terrain.

WHAT CAN HAPPEN

Could cause loss of traction or vehicle control, which could result in an accident, including an overturn.

HOW TO AVOID THE HAZARD

Do not operate on excessively rough, slippery or loose terrain until you have learned and practiced the skills necessary to control the ATV on such terrain.

Always be especially cautious on these kinds of terrain.

RIDING

For your initial riding practice, select a safe area free of obstacles with a level surface of dirt or sand. Practice at low speed until you are confident in shifting gears, braking, and making turns.

⚠ WARNING

POTENTIAL HAZARD

Running the engine in an enclosed area.

WHAT CAN HAPPEN

Engine exhaust contains carbon monoxide gas that can cause loss of consciousness and may lead to death.

HOW TO AVOID THE HAZARD

Never operate the ATV engine in an enclosed area, such as a garage.

STARTING THE ENGINE

Your FOURTRAX is equipped with a gear position starter cut-off system. The engine cannot be started if the transmission is in a forward gear — unless the clutch lever is pulled in. The engine cannot be started if the transmission is in reverse gear.

Preparation

1. Select a level surface and lock the parking brake (page 22) before starting the engine.
2. Turn the fuel valve (1) and ignition switch (2) to ON.
3. *Make sure the engine stop switch (3) is at run.*
4. Make sure that the transmission is in neutral by checking that the neutral indicator lamp lights.

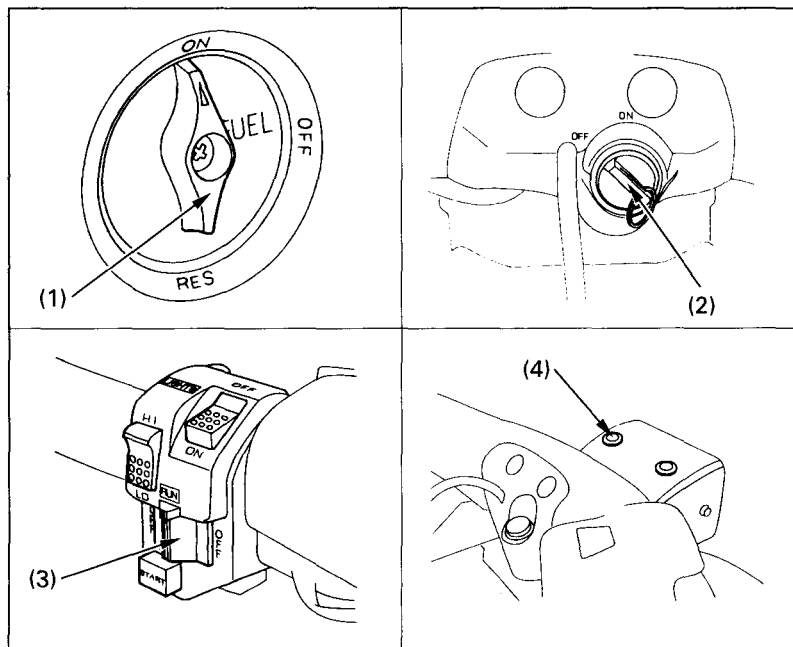


Fig. 3-8

(1) Fuel valve
(2) Ignition switch

(3) Engine stop switch
(4) Neutral indicator lamp

Starting Procedure (After Preparation)

The carburetor is equipped with an accelerator pump. Do not open the throttle when starting the engine. This will flood the engine with excess fuel, resulting in hard starting.

To restart a warm engine, follow the procedure for High Air Temperature.

Normal Air Temperature

10°—35°C (50°—95°F)

1. Pull the choke lever up all the way to fully ON (C).
2. With the throttle slightly open, push the starter button.

CAUTION:

*** Pressing the electric starter button for more than 5 seconds at a time may cause the starter to overheat and damage the starter. Release the starter button for approximately 10 seconds before pressing it again.**

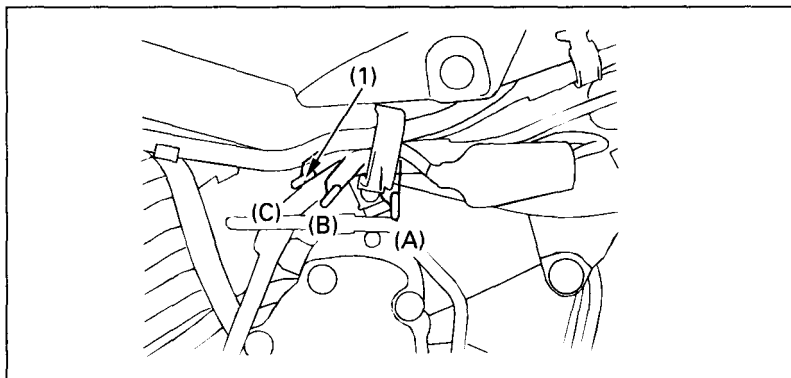


Fig. 3-9

(1) Choke lever

(A) Fully OFF

(B) Halfway position

(C) Fully ON

3. Immediately after the engine starts, push the choke lever down to the halfway position. (B)
4. Warm up the engine by opening and closing the throttle slightly.
5. After the engine has warmed up, push the choke lever down all the way to fully OFF. (A)
6. If idling is unstable, open the throttle slightly.

High Air Temperature

35°C (95°F) or above

1. Do not use the choke.
2. With the throttle slightly open, push the starter button.
3. Warm up the engine by opening and closing the throttle slightly.
4. If idling is unstable, open the throttle slightly.

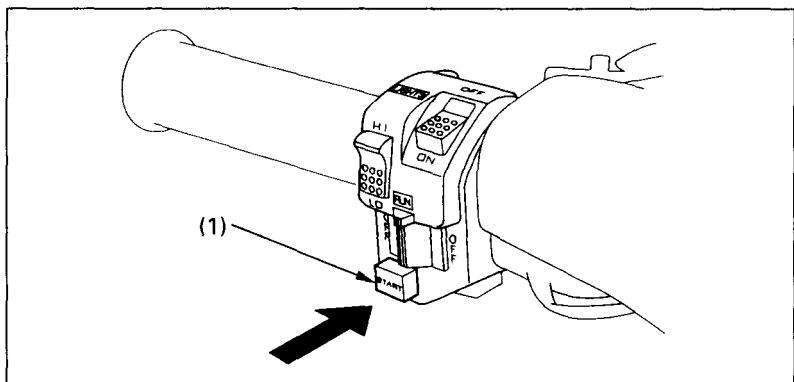


Fig. 3-10

(1) Starter button

Low Air Temperature

10°C (50°F) or below

NOTE:

For temperature below -15°C (5°F), operate the starter button after opening and closing the throttle lever several times.

1. Follow step 1–2 under “Normal Air Temperature.”
2. Warm up the engine by opening and closing the throttle slightly.
3. About a half minute after the engine starts, push the choke lever down to the halfway position. (B)
4. After the engine has warmed up, push the choke lever down all the way to fully OFF. (A)
5. If idling is unstable, open the throttle slightly.

CAUTION:

- * **Extended use of the choke may impair piston and cylinder wall lubrication and shorten the life of the engine.**
- * **Do not race the engine during the warm-up period.**
Racing a cold engine wastes fuel and increases engine wear.

Flooded Engine

If the engine does not start after pushing the starter button several times, it may have become flooded with excess fuel. To clear the engine:

1. Turn the engine stop switch OFF.
2. Move the choke lever to the OFF position.
3. Hold the throttle fully open and briefly press the starter button several times.
4. When the engine is cleared, wait 10 seconds. Then turn the engine stop switch ON and repeat the normal starting procedure, but don't use the choke.

High Altitude Adjustment

For operation above 3,000 feet (1,000 m), it may be necessary to switch to high altitude carburetor jetting (See page 95).

SHIFTING GEARS

After starting the engine and letting it warm up, follow these procedures:

1. Depress and hold down the brake pedal. Release the parking brake (see page 22).
2. While the engine is idling, pull in the clutch lever and depress the gearshift pedal to shift into 1st (low) gear.
3. Release the brake pedal, gradually release the clutch lever, and increase engine speed by gradually opening the throttle.
4. When the speed increases, close the throttle, pull in the clutch lever, and shift to 2nd gear by raising the gearshift pedal.
5. Repeat this sequence to progressively upshift to 3rd, 4th and 5th (top) gear.
6. To downshift, reverse this sequence. Remember to close the throttle each time you shift to the next lower gear.

WARNING

POTENTIAL HAZARD

Shifting gears without releasing the throttle.

WHAT CAN HAPPEN

Could cause loss of control or cause the ATV to overturn.

HOW TO AVOID THE HAZARD

Always release the throttle when shifting gears.

RIDING IN REVERSE

To shift into reverse, first bring the vehicle to a complete stop and make sure the transmission is in neutral. Then follow these procedures:

1. Depress and hold down the brake pedal.
2. Be sure there are no obstacles or people in the way.
3. While pushing the reverse selector knob in, squeeze the clutch lever, and then pull up the reverse lever. Make sure that the reverse indicator lamp comes on.
4. Release the brake pedal, gradually release the clutch lever, and increase engine speed by gradually opening the throttle.
5. Open the throttle gradually and ride slowly. Do not open the throttle suddenly or make abrupt turns.
6. To stop, close the throttle and gradually apply both the front and rear brakes. Do not abruptly apply the rear brake by itself.
7. To shift out of reverse and into neutral, push the reverse lever.

While reading this manual, remember:

⚠ WARNING Indicates a strong possibility that serious injury or death may result if instructions are not followed.

WARNING

POTENTIAL HAZARD

Improperly operating in reverse.

WHAT CAN HAPPEN

You could hit an obstacle or person behind you, resulting in serious injury.

HOW TO AVOID THE HAZARD

When you select reverse gear, make sure there are no obstacles or people behind you. When it is safe to proceed, go slowly.

WARNING

POTENTIAL HAZARD

Applying only the rear brake abruptly when operating in reverse gear.

WHAT CAN HAPPEN

The front wheels could lift off the ground and the ATV could overturn backwards.

HOW TO AVOID THE HAZARD

Carefully apply both the front and rear brakes when stopping in reverse gear.

MAKING TURNS

To make a turn on level ground, steer the handlebars and lean your body toward the inside of the turn. (Fig 3-11) Leaning helps balance the vehicle, and it feels more comfortable. Leaning into a turn is an important technique to master in riding a FOURTRAX.

To make a sharp turn at low speed, it helps to shift your body slightly forward on the seat (Fig3-11), and lean inside, as you steer the handlebars. Shifting weight forward allows the rear wheels to turn easier, and it also improves front-wheel steering. Remember to shift your body forward to make sharp low-speed turns and whenever you turn while accelerating from a full stop.

Apply the throttle slowly and gradually when you turn and start up at the same time. During other turns, use the throttle to maintain the desired speed throughout the turn. Practice these techniques on level ground until you are confident in making turns.

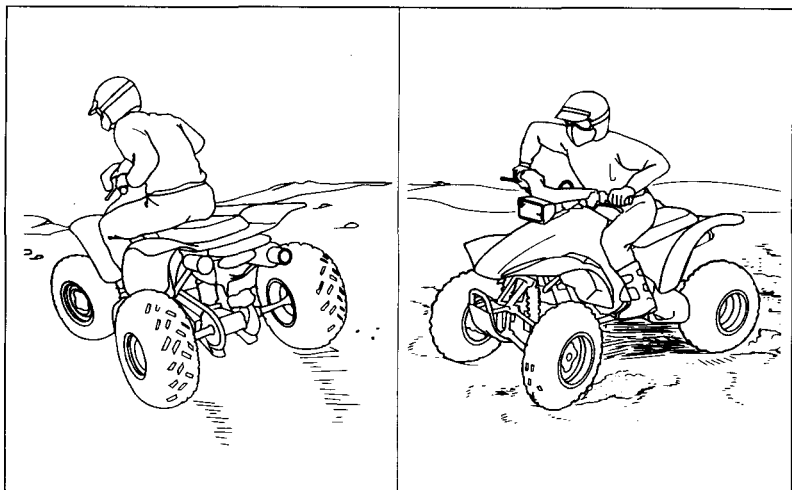


Fig. 3-11

Lean your body to the inside of a turn and forward.

⚠ WARNING

POTENTIAL HAZARD

Turning improperly.

WHAT CAN HAPPEN

The ATV can go out of control, causing a collision or overturn.

HOW TO AVOID THE HAZARD

Always follow proper procedures for turning as described in this Owner's Manual.

Practice turning at low speeds before attempting to turn at faster speeds.

Do not turn at excessive speeds.

The terrain surface can be a major factor affecting turns. Skidding during a turn is more likely to occur on slippery surfaces, such as snow, ice, mud and loose gravel. If you skid on ice, you may lose all directional control. To avoid skidding on slippery terrain, keep your speed low and ride with caution.

If your FOURTRAX skids sideways during a turn, steer in the direction of the skid. Avoid hard braking or accelerating until you have regained directional control.

WARNING

POTENTIAL HAZARD

Skidding or sliding improperly.

WHAT CAN HAPPEN

You may lose control of this ATV.

You may also regain traction unexpectedly, which may cause the ATV to overturn.

HOW TO AVOID THE HAZARD

Learn to safely control skidding by practicing at low speeds and on level, smooth terrain.

On extremely slippery surfaces, such as ice, go slowly and be very cautious in order to reduce the chance of skidding or sliding out of control.

RIDING UP HILLS

The FOURTRAX's ability to safely climb hills largely depends on the rider's skill and judgment. Begin by practicing on smooth, gentle slopes. As you gain experience, you'll learn the hazards and your own limitations. You may then proceed to ride on more difficult terrain. However, you must be able to decide which hills or hazards might cause the FOURTRAX to overturn. Avoid excessively steep hills.

⚠ WARNING

POTENTIAL HAZARD

Operating on excessively steep hills.

WHAT CAN HAPPEN

The vehicle can overturn more easily on extremely steep hills than on level surfaces or small hills.

HOW TO AVOID THE HAZARD

Never operate the ATV on hills too steep for the ATV or for your abilities.

Practice on smaller hills before attempting larger hills.

When climbing hills, you must shift weight toward the front wheels to help keep them on the ground. To do this, shift your body slightly forward on the seat and lean forward. For greater weight shift, move your body farther forward and lean forward.

To climb a hill, take a running start in an appropriate gear and speed for the conditions. Maintain a steady speed as you ascend the hill.

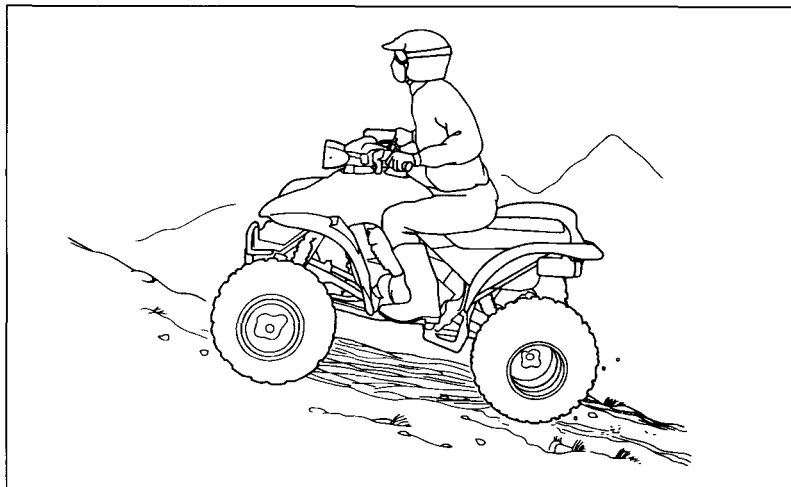


Fig. 3-12

Shift weight forward when climbing hills.

⚠ WARNING

POTENTIAL HAZARD

Climbing hills improperly.

WHAT CAN HAPPEN

Could cause loss of control or cause the ATV to overturn.

HOW TO AVOID THE HAZARD

Always follow proper procedures for climbing hills as described in this Owner's Manual.

Always check the terrain carefully before you start up any hill.

Never climb hills with excessively slippery or loose surfaces.

Shift your weight forward.

**Never open the throttle suddenly or make sudden gear changes.
The ATV could flip over backward.**

Never go over the top of any hill at high speed. An obstacle, a sharp drop, or another vehicle or person could be on the other side of the hill.

If you incorrectly estimate climbing capability or terrain conditions, the FOURTRAX may not have enough power or traction to continue uphill.

If you are about to lose all forward speed:

1. Using the front and rear brakes together, bring the FOURTRAX to a stop with the vehicle pointed straight uphill.

2. Get off the FOURTRAX while you continue holding the brakes.
3. Shift into neutral, set the parking brake and turn the engine off.
4. Then assess the situation.

If the FOURTRAX starts rolling backwards before you begin braking, keep your weight uphill, apply the front brakes first, then carefully apply the rear brake as well. Do not apply the rear brake only or abruptly if you are rolling backwards, or the vehicle may overturn. If the FOURTRAX continues sliding backwards after you've applied the brakes, get off and away from the vehicle.

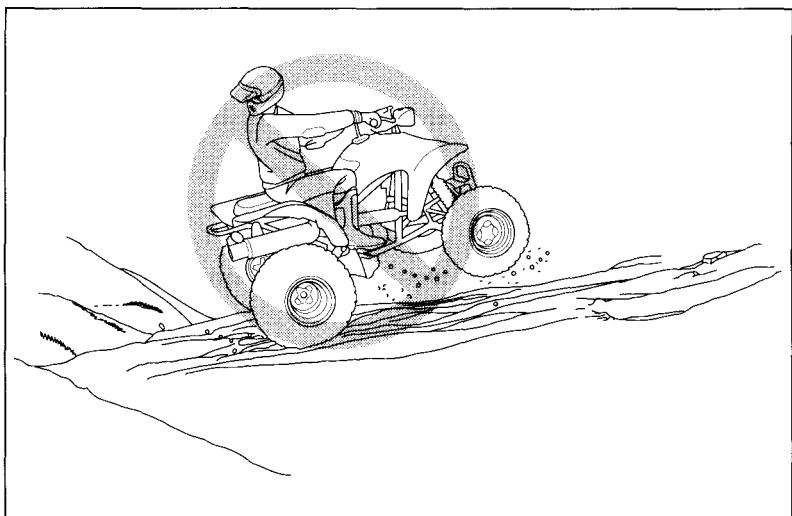


Fig. 3-13 If you roll backwards down a hill, don't apply the rear brake abruptly.

⚠ WARNING

POTENTIAL HAZARD

Stalling, rolling backwards or improperly dismounting while climbing a hill.

WHAT CAN HAPPEN

Could result in ATV overturning.

HOW TO AVOID THE HAZARD

Use proper gear and maintain steady speed when climbing a hill.

If you lose all forward speed:

Keep weight uphill.

Apply the brakes.

Lock parking brake, after you are stopped.

If you begin rolling backwards:

Keep weight uphill.

Never apply the rear brake abruptly while rolling backwards.

Apply the front brake.

When fully stopped, apply rear brake as well, and then lock parking brake.

Dismount on the uphill side if the vehicle is not pointed straight uphill.

Back the vehicle down the hill, following the instructions in this Owner's Manual.

If the hill is not too steep and you have good footing, you may be able to walk the FOURTRAX back down the hill. Make sure your intended path is clear in case you lose control of the FOURTRAX.

If you decide you can walk the FOURTRAX safely:

1. Stand with your body facing downhill, beside the vehicle so you can reach the front brake lever with your left hand (See Figure 3-14.)
2. Be sure your legs are clear of the wheels.
3. Check your footing.
4. Then slowly and carefully back the FOURTRAX down the hill using the front brake lever to control speed.
5. If you lose control of the FOURTRAX, for your safety, get away from the vehicle.

If the hill is too steep or too slippery, or if you have any doubt whether you can safely walk the FOURTRAX back down the hill, leave the vehicle where it is and get help. If possible, block the wheels so the vehicle won't roll backwards.

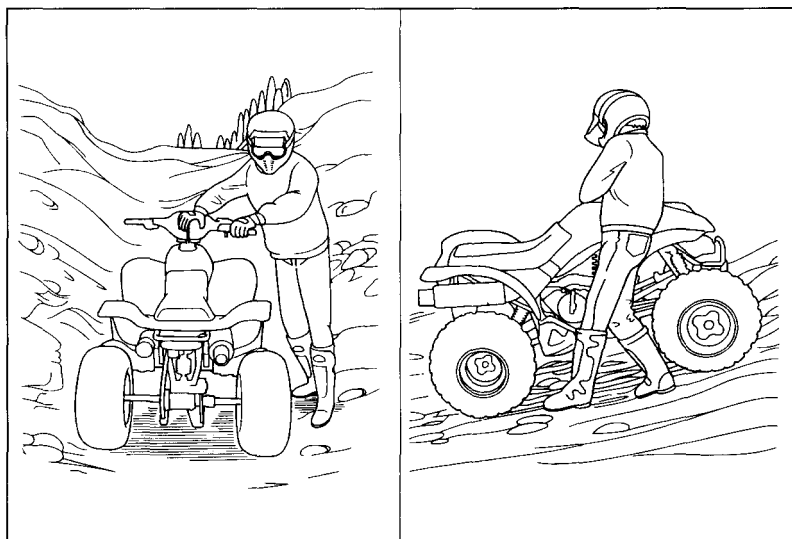


Fig. 3-14 Be sure your legs are clear of the wheels.

Body position for backing down a hill.

While reading this manual, remember:

⚠ WARNING

Indicates a strong possibility that serious injury or death may result if instructions are not followed.

RIDING DOWN HILLS

It's usually advisable to descend hills with the FOURTRAX pointed straight downhill. Avoid angles that would cause the vehicle to lean sharply to one side.

As you approach a downhill, stop and survey the terrain below. Never ride past the limit of your visibility.

When you've selected a safe downhill path, shift into a low gear, shift your weight back with your arms extended and braced against the handlebars, then go down slowly with the throttle closed.

Use mainly the rear brake to control speed. Avoid using the front brake hard or abruptly when riding down hills.

Remember, braking effectiveness is reduced on any hill with a loose surface.

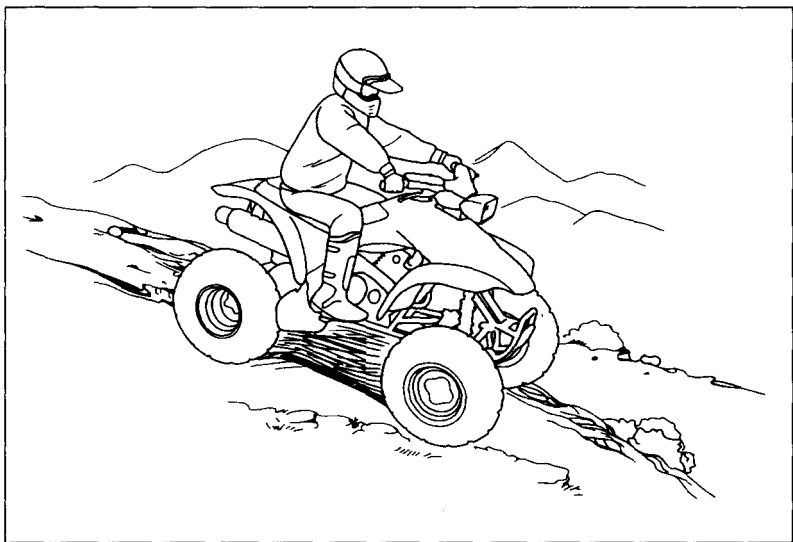


Fig. 3-15

On downhills, shift your weight back.

⚠ WARNING

POTENTIAL HAZARD

Going down a hill improperly.

WHAT CAN HAPPEN

Could cause loss of control or cause ATV to overturn.

HOW TO AVOID THE HAZARD

Always follow proper procedures for going down hills as described in this Owner's Manual.

Note: a special technique is required when braking as you go down a hill.

Always check the terrain carefully before you start down any hill.

Shift your weight backward.

Never go down a hill at high speed.

Avoid going down a hill at an angle that would cause the vehicle to lean sharply to one side. Go straight down the hill where possible.

CROSSING SLOPES

To maintain balance and stability when riding across a slope, you need to shift weight toward the uphill side of the vehicle. To do this, move your body off the center of the seat and lean toward the uphill side. On a slippery or loose surface, you may also need to steer slightly uphill to maintain a straight course across the slope. Avoid crossing hills that are excessively steep, slippery or rough.

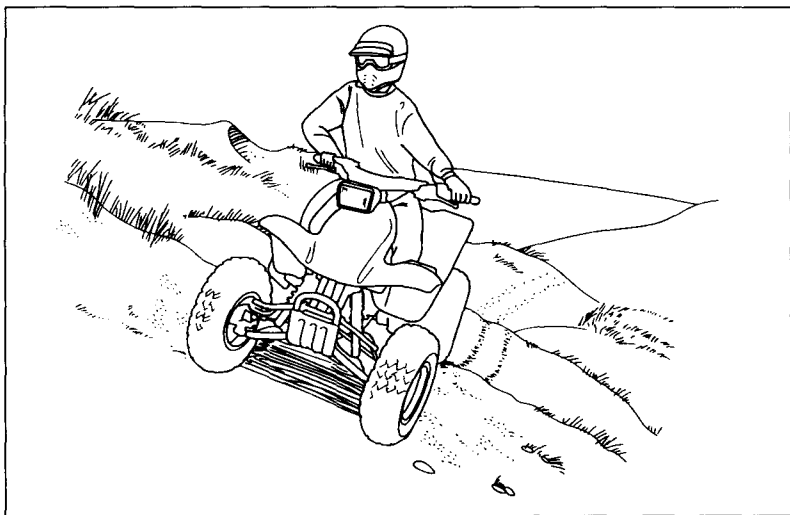


Fig. 3-16

Shift weight uphill when crossing slopes.

MAKING TURNS ON SLOPES

Compared to riding on level ground, you may need to shift more weight and lean more when making turns on slopes. Do not make turns on any slopes until you have first mastered the techniques for making turns on level terrain.

Begin by practicing turning on gentle, smooth slopes before attempting turns on steeper or more difficult terrain. Avoid making turns on very steep, rough or slippery hills.

⚠ WARNING

POTENTIAL HAZARD

Improperly crossing hills or turning on hills.

WHAT CAN HAPPEN

Could cause loss of control or cause ATV to overturn.

HOW TO AVOID THE HAZARD

Never attempt to turn the ATV around on any hill until you have mastered the turning technique as described in this Owner's Manual on level ground.

Be very careful when turning on any hill.

Avoid crossing the side of a steep hill if possible.

When crossing the side of a hill:

Always follow proper procedures as described in this Owner's Manual.

Avoid hills with excessively slippery or loose surfaces.

Shift your weight to the uphill side of the ATV.

RIDING OVER OBSTACLES

Watch out for bumps, rain ruts, potholes and other obstacles in the terrain. When you approach any obstacle, reduce your speed and be prepared to stop.

Never try to ride over large obstacles, such as large rocks or fallen logs.

WARNING

POTENTIAL HAZARD

Improperly operating over obstacles.

WHAT CAN HAPPEN

Could cause loss of control or a collision. Could cause the ATV to overturn.

HOW TO AVOID THE HAZARD

Before operating in a new area, check for obstacles.

Never attempt to ride over large obstacles, such as large rocks or fallen trees.

When you go over obstacles, always follow proper procedures as described in this Owner's Manual.

RIDING THROUGH WATER

Your FOURTRAX is designed to travel through water up to approximately 10 inches deep. Before crossing a stream, make sure the water is not too deep or flowing too fast.

Choose a path where both banks have gradual slopes, then proceed through the water at a slow, steady speed. Watch out for submerged obstacles and slippery rocks. Avoid getting the spark plug or air cleaner wet, as this would cause the engine to stop.

After riding through water, the brakes may be less effective than normal. Test the brakes after traveling through any water, and if necessary, apply the brakes repeatedly until the heat of friction has dried them, and the brakes regain their normal effectiveness.

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV through deep or fast flowing water.

WHAT CAN HAPPEN

Tires may float, causing loss of traction and loss of control, which could lead to an accident.

HOW TO AVOID THE HAZARD

Never operate this ATV in fast flowing water or in water deeper than that specified in this Owner's Manual.

Remember that wet brakes may have reduced stopping ability. Test your brakes after leaving water. If necessary, apply them several times to let friction dry out the pads.

PARKING

Always choose a level place to park. After bringing your FOURTRAX to a stop, hold the brakes while you shift into neutral. Then set the parking brake and turn the ignition switch OFF. If you're through riding for the day, also turn the fuel valve OFF.

While reading this manual, remember:

⚠ WARNING

Indicates a strong possibility that serious injury or death may result if instructions are not followed.

MAINTENANCE AND REPAIRS

MAINTENANCE SCHEDULE

			SERVICE PERIOD		Refer to page
			INITIAL (First week of operation or 30 operating hours) (NOTE 1)	REGULAR (Every 30 days or 100 operating hours) (NOTE 1)	
I: Inspect and Clean, Adjust, Lubricate or Replace if necessary. C: Clean R: Replace A: Adjust L: Lubricate		EVERY			
*	FUEL LINE	YEAR I			—
*	FUEL STRAINER SCREEN	YEAR C			86, 87
*	THROTTLE OPERATION		I	I	88
	AIR CLEANER	(NOTE 2)		C	89 – 91
	AIR CLEANER CASE DRAIN TUBE	(NOTE 3)		I	92
	SPARK PLUG			I	105, 106
*	VALVE CLEARANCE		I	I	106
	ENGINE OIL		R	R	25, 96, 97
	ENGINE OIL FILTER		R	R	98 – 100
*	ENGINE IDLE SPEED		I	I	93, 94
	DRIVE CHAIN	(NOTE 2, 3)	I, L	I, L	101 – 103
	DRIVE CHAIN SLIDER			I	104
*	BRAKE FLUID	(NOTE 4)		I	115 – 117

		EVERY	SERVICE PERIOD		Refer to page
			INITIAL (First week of operation or 30 operating hours) (NOTE 1)	REGULAR (Every 30 days or 100 operating hours) (NOTE 1)	
I: Inspect and Clean, Adjust, Lubricate or Replace if necessary. C: Clean R: Replace A: Adjust L: Lubricate					
*	BRAKE PAD WEAR		YEAR I (NOTE 2, 3)		118, 119
	BRAKE SYSTEM		I	I	22, 115–121
*	REVERSE LOCK SYSTEM		I	I	109
	SKID PLATES, ENGINE GUARD			I	128
*	CLUTCH SYSTEM		I	I	107, 108
*	SUSPENSION			I	26
*	SPARK ARRESTER			C	130
*	NUTS, BOLTS, FASTENERS		I	I	—
**	WHEELS/TIRES		I	I	122–125
**	STEERING SHAFT HOLDER BEARINGS	YEAR I			—
**	STEERING SYSTEM	YEAR I			—

* SHOULD BE SERVICED BY YOUR AUTHORIZED HONDA DEALER, UNLESS THE OWNER HAS PROPER TOOLS AND SERVICE DATA AND IS MECHANICALLY QUALIFIED. REFER TO THE OFFICIAL HONDA SERVICE MANUAL.

** IN THE INTEREST OF SAFETY, WE RECOMMEND THESE ITEMS BE SERVICED ONLY BY YOUR AUTHORIZED HONDA DEALER.

- NOTES:
1. Whichever comes first.
 2. Service more frequently when riding in dusty areas, sand or snow.
 3. Service more frequently after riding in very wet or muddy conditions.
 4. Replace every 2 years. Replacement requires mechanical skill.

MAINTENANCE PRECAUTIONS

Before beginning any maintenance or repairs, read the appropriate instructions and warnings and make sure you have all the tools and materials you will need.

Choose a clean area that is level and has good ventilation and good light. Make sure the engine is off unless otherwise instructed. If you need to replace any parts, remember to use only new genuine Honda parts or their equivalents.

WARNING

POTENTIAL HAZARD

Failure to properly maintain the ATV.

WHAT CAN HAPPEN

Increases the possibility of an accident or equipment damage.

HOW TO AVOID THE HAZARD

Always follow the inspection and maintenance procedures and schedules described in this Owner's Manual.

Use only genuine Honda replacement parts or parts of equivalent quality.

WARNING

POTENTIAL HAZARD

Performing maintenance operations with the engine running.

WHAT CAN HAPPEN

Increases the chances of injury from moving parts or hot surfaces.

HOW TO AVOID THE HAZARD

Unless otherwise stated, always turn the engine off before performing any maintenance operations.

TOOL KIT

A tool kit (Fig. 4-1) is provided with your FOURTRAX and stored in the storage compartment below the rear fender.

The tools in the kit are sufficient to perform routine maintenance and simple repairs. Any extensive work requiring additional tools should be performed by your authorized Honda dealer.

The tool kit includes the following items:

- * Standard/Phillips screwdriver
- * Spark plug wrench
- * Screwdriver handle
- * Air pressure gauge
- * 6 mm hex wrench
- * Tool bag

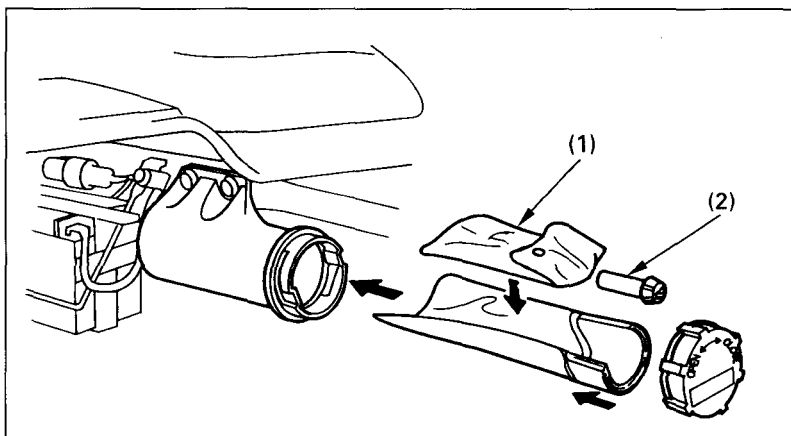


Fig. 4-1 (1) Tool kit

(2) Air pressure gauge

While reading this manual, remember:

⚠ WARNING Indicates a strong possibility that serious injury or death may result if instructions are not followed.

FUEL SYSTEM

FUEL

Refueling

The fuel tank capacity, including reserve, is:

8.5 ℓ (2.25 US gal , 1.87 Imp gal)

The reserve fuel supply is:

1.8 ℓ (0.48 US gal , 0.40 Imp gal)

To open the fuel fill cap (1), pull out the breather tube (2) from the handle cover hole (3). Then turn the fuel fill cap counterclockwise.

Do not overfill (make sure there is no fuel in the filler neck (6)).

After refueling, be sure to tighten the fuel cap firmly by turning it clockwise. Align the arrow (5) on the fuel tank cap with the reference mark (4) on the frame cover.

Insert the breather tube into the handle cover hole.

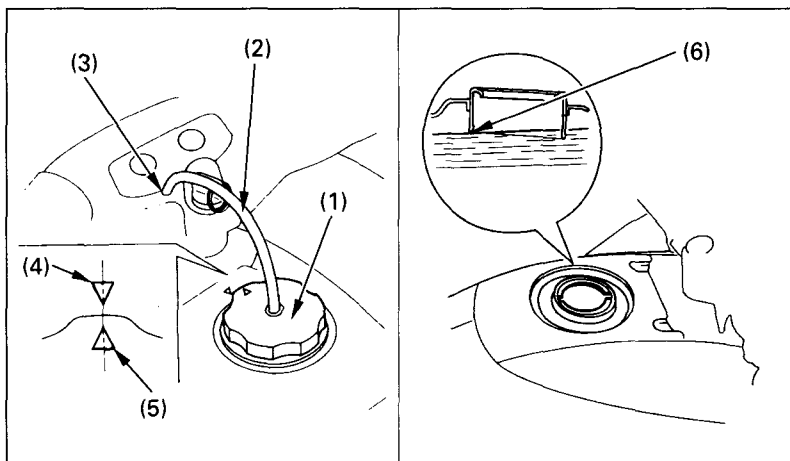


Fig. 4-2

- (1) Fuel fill cap
- (2) Breather tube
- (3) Handle cover hole

- (4) Reference mark
- (5) Arrow
- (6) Filler neck

WARNING

POTENTIAL HAZARD

Refueling this ATV or handling fuel improperly.

WHAT CAN HAPPEN

The fuel could explode or ignite.

HOW TO AVOID THE HAZARD

Always refuel this ATV and handle fuel in a well-ventilated area with the engine off. Do not smoke or allow flames or sparks in the area where fuel is handled.

Do not overfill the tank. Be careful not to spill fuel when refueling. After refueling, make sure the fuel fill cap is closed properly and securely.

If any fuel is spilled, make sure the area is dry before starting the engine.

WARNING

POTENTIAL HAZARD

Prolonged contact of fuel with the skin.
Breathing fuel vapor.

WHAT CAN HAPPEN

The fuel can cause skin irritation.
Fuel vapor could cause lung damage.

HOW TO AVOID THE HAZARD

Avoid repeated or prolonged contact of fuel with the skin or breathing of fuel vapor.

KEEP OUT OF REACH OF CHILDREN.

Fuel Recommendations

Your engine is designed to use any gasoline that has a pump octane number of 86 or higher. (Gasoline pumps at service stations normally display the pump octane number.)

We recommend unleaded fuel because it produces fewer engine and spark plug deposits and extends the life of the exhaust system. Never use stale or contaminated gasoline or an oil/gasoline mixture. Avoid getting dirt, dust or water in the fuel tank.

Using a lower octane than recommended can cause persistent “pinging” or heavy “spark knock” (a metallic rapping noise). If severe, these can lead to engine damage.

CAUTION:

If “spark knock” or “pinging” occurs at a steady engine speed under normal load, change brands of gasoline. If spark knock or pinging persists, consult your authorized Honda dealer. Failure to do so is considered misuse, and damage caused by misuse is not covered by Honda’s Limited Warranty.

Oxygenated Fuels

Some conventional gasolines are being blended with alcohol or an ether compound. These gasolines are collectively referred to as oxygenated fuels. To meet clean air standards, some areas of the United States and Canada use oxygenated fuels to help reduce emissions.

If you use an oxygenated fuel, be sure it is unleaded and meets the minimum octane rating requirement.

Before using an oxygenated fuel, try to confirm the fuel's contents. Some states/provinces require this information to be posted on the pump.

The following are the EPA approved percentages of oxygenates:

ETHANOL (ethyl or grain alcohol) 10% by Volume

You may use gasoline containing up to 10% ethanol by volume. Gasoline containing ethanol may be marketed under the name "Gasohol".

MTBE (Methyl Tertiary Butyl Ether) 15% by Volume

You may use gasoline containing up to 15% MTBE by volume.

METHANOL (methyl or wood alcohol) 5% by Volume

You may use gasoline containing up to 5% methanol by volume as long as it also contains cosolvents and corrosion inhibitors to protect the fuel system. Gasoline containing more than 5% methanol by volume may cause starting and/or performance problems. It may also damage metal, rubber, and plastic parts of your fuel system.

If you notice any undesirable operating symptoms, try another service station or switch to another brand of gasoline.

Fuel system damage or performance problems resulting from the use of an oxygenated fuel containing more than the percentages of oxygenates mentioned above are not covered under warranty.

FUEL STRAINER SCREEN

The fuel strainer (Fig. 4-3) is in the fuel valve. The strainer has a fine mesh screen (2) which prevents dirt from entering the carburetor passages. Dirt which accumulates in the screen must be removed periodically, or the fuel flow will eventually be restricted.

To clean the fuel strainer screen:

1. Turn the fuel valve OFF.
2. Remove the fuel strainer cup (1) and the O-ring.
3. Remove the strainer screen (2).
4. Wash the screen in nonflammable or high flash point solvent.

WARNING

POTENTIAL HAZARD

Using gasoline or low flash point solvents for cleaning ATV parts.

WHAT CAN HAPPEN

A fire or explosion could result.

HOW TO AVOID THE HAZARD

Use only a nonflammable or high flash point solvent to clean ATV parts.

5. Reassemble by reversing the disassembly sequence.
6. Check to be sure the O-ring is in place.
7. Turn the fuel valve ON, and check for leaks. Correct if necessary.

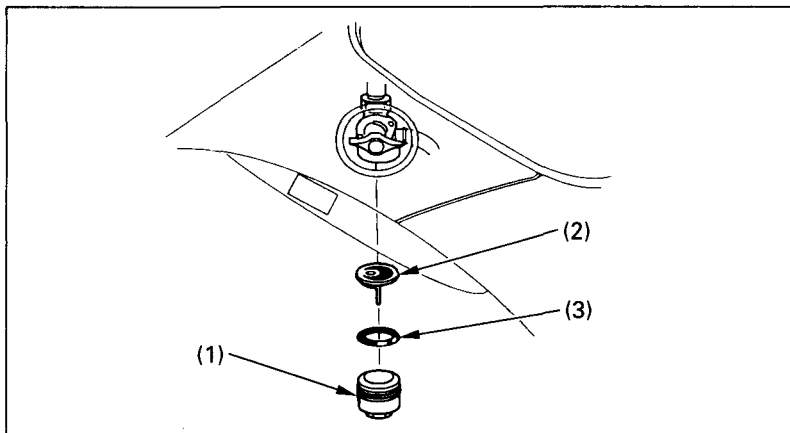


Fig. 4-3

(1) Fuel strainer cup
(2) Strainer screen

(3) O-ring

While reading this manual, remember:

⚠ WARNING

Indicates a strong possibility that serious injury or death may result if instructions are not followed.

THROTTLE

Throttle Cable and Lever

Check the condition of the throttle cable and the operation of the throttle lever. Make sure the cable does not bind or interfere with smooth operation of the throttle in any steering position. If the cable is worn or kinked, have it replaced by your Honda dealer.

Throttle Free Play

Throttle free play, measured at the tip of the throttle lever (Fig. 4-4), should be:

3–8 mm (0.1–0.3 in)

To adjust throttle free play:

1. Remove the two screws and the handlebar cover (see page 117).
2. Slide the rubber sleeve (1) back to expose the throttle cable adjuster (2).
3. Loosen the lock nut (3), then turn the adjuster to obtain the correct free play.
4. Tighten the lock nut and reinstall the sleeve.
5. Install the handlebar cover securely. (Insert the fuel tank cap breather tube in the hole in the handlebar cover securely).

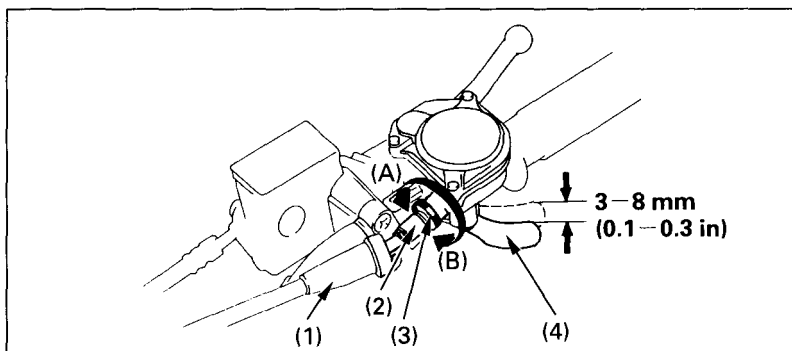


Fig. 4-4

- (1) Rubber sleeve
(2) Cable adjuster
(3) Lock nut

- (4) Throttle lever
(A) To decrease free play
(B) To increase free play

Other Checks

Check the throttle cable for kinks and signs of wear that could cause stretching or failure. Lubricate the throttle cable with a commercially available lubricant to prevent premature wear and corrosion.

AIR CLEANER

Air Cleaner Filter

The air cleaner accumulates dust and must be cleaned periodically. If the FOURTRAX is ridden in dusty areas, the air cleaner must be cleaned at more frequent intervals than specified in the Maintenance Schedule.

If the FOURTRAX is submerged in water, the air cleaner should be checked and water should be drained from the case before starting the engine.

To clean the air cleaner filter:

1. Remove the seat by pulling up the seat lock lever (Fig. 4-5).
2. Unlatch the four retainer clips (2) and remove the air cleaner housing cover (3).

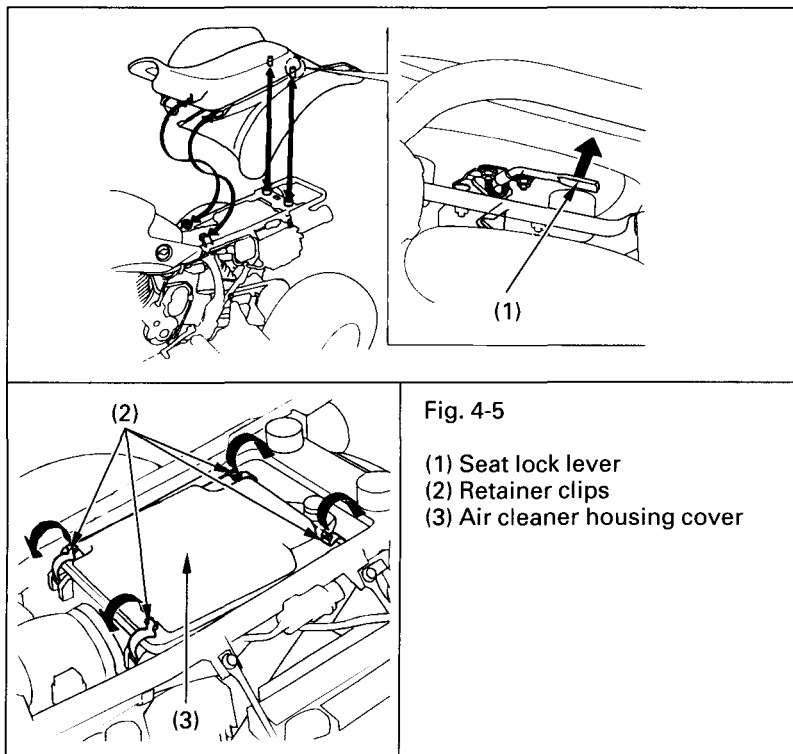


Fig. 4-5

- (1) Seat lock lever
(2) Retainer clips
(3) Air cleaner housing cover

3. Loosen the screw on the clamp (2) (Fig. 4-6) and remove the air cleaner assembly (1) from the case.
4. Unscrew the clamp (2).
5. Remove the air cleaner (3) from the air cleaner body (4).

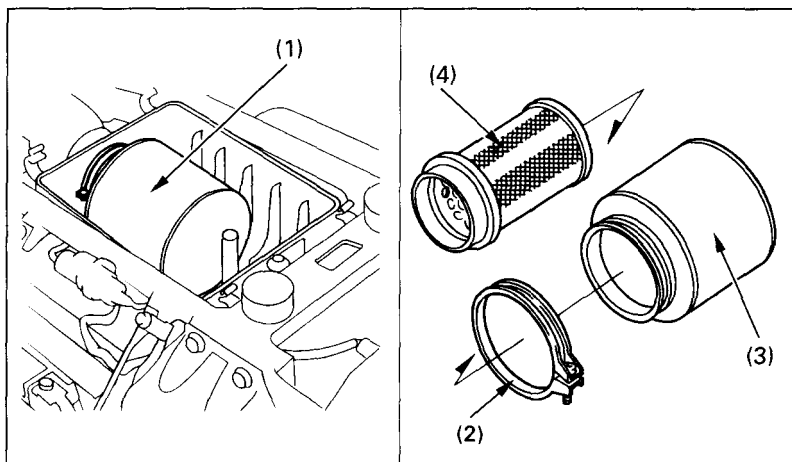


Fig. 4-6

(1) Air cleaner assembly
(2) Clamp

(3) Air cleaner
(4) Air cleaner body

6. Wash the air cleaner in nonflammable or high flash point solvent and allow it to dry thoroughly.

⚠ WARNING

POTENTIAL HAZARD

Using gasoline or low flash point solvents for cleaning ATV parts.

WHAT CAN HAPPEN

A fire or explosion could result.

HOW TO AVOID THE HAZARD

Use only a nonflammable or high flash point solvent to clean ATV parts.

7. Soak the air cleaner in Pro Honda Foam Filter Oil or an equivalent until saturated, then squeeze out the excess oil.

CAUTION:

Twisting the air cleaner when squeezing out excess oil could damage the air cleaner.

8. Reassemble by reversing the disassembly sequence.

Air Cleaner Case Drain Tube

The air cleaner case drain tube (Fig. 4-7) should be serviced in accordance with the Maintenance Schedule (Riding through water may require more frequent inspection.) If deposits can be seen in the drain tube, the tube must be cleaned before starting the vehicle.

To clean the drain tube:

1. Remove the drain tube (1) by removing the clip (2).
2. Drain the deposits.
3. Reinstall the drain tube, securing it with the clip.

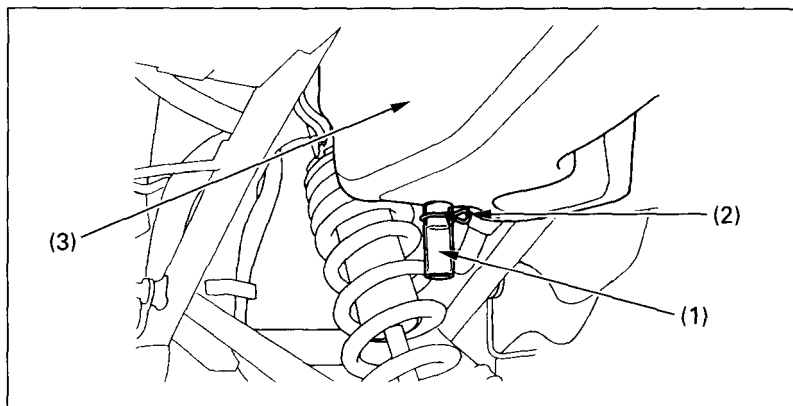


Fig. 4-7

(1) Drain tube
(2) Clip

(3) Air cleaner case

Carburetor

Adjusting Idle Speed and Air-Fuel Mixture

NOTE:

Do not try to compensate for faults in other systems by adjusting the carburetor.

To adjust the idle speed:

1. Warm up the engine. The engine must be warm for accurate idle adjustment. Ten minutes of stop-and-go riding is sufficient.
2. Adjust idle speed by attaching a tachometer and using a screwdriver to turn the screwdriver by turning the throttle stop screw (Fig. 4-8).

Idle Speed:

1,400 \pm 100 rpm

To adjust the air-fuel mixture:

1. Turn the pilot screw (2) clockwise until you hear the engine miss or decrease in speed.
2. Then turn the screw counterclockwise until the engine misses or decreases in speed again.
3. Center the pilot screw exactly between the two extreme positions. Usually, the correct setting (between extremes of rich and lean) will be found at 2-1/4 turns open from a fully closed position.
4. If idle speed changes after adjusting the fuel mixture, readjust the throttle stop screw.

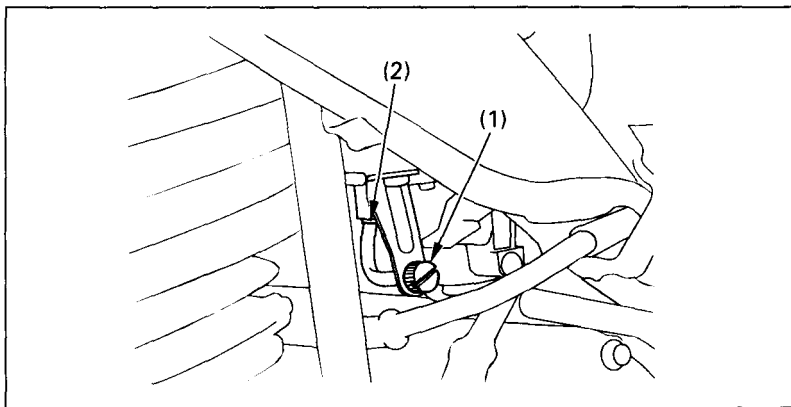


Fig. 4-8

(1) Throttle stop screw

(2) Pilot screw

High Altitude Adjustment

When operating this FOURTRAX at altitudes ranging above 3,000 feet (1,000 m), the air-fuel mixture becomes overly rich. This may result in poor engine performance and increased fuel consumption.

A high altitude jet is available to compensate for high altitude richness (see the table below). For those who are mechanically proficient and have the necessary tools, installation and adjustment procedures are given in the official Honda Service Manual available from your Honda dealer. All others should have this carburetor modification performed by an authorized Honda dealer.

CAUTION:

Sustained operation with the high altitude jet at altitudes below 5,000 feet (1,500 m) may cause engine overheating and damage.

Altitude range	Main jet	Pilot screw
0–5,000 feet (0–1,500 m)	No. 122	Factory preset
3,000–8,000 feet or higher (1,000–2,500 m)	No. 120	Screw in 1/8 turn clockwise from factory preset

LUBRICATION

ENGINE OIL

Checking Engine Oil Level and Adding Oil

Check the engine oil level each day before operating your FOURTRAX and add oil if needed.

To check the oil level:

1. Make sure the vehicle is on level ground.
2. Start the engine in a well-ventilated area and let it idle for a few minutes.
3. Stop the engine.
4. After a few minutes, remove the oil filler cap/dipstick (Fig. 4-9) from the right crankcase cover and wipe it clean.
5. Insert the dipstick without screwing it in, then remove the dipstick and check the oil level. The oil level should be between the upper level mark (2) and the lower level mark (3) on the dipstick.
6. If required, add the specified oil into the filler cap hole, up to the upper level mark on the dipstick. Do not overfill.
7. Reinstall the oil filler cap/dipstick.

CAUTION:

Running the engine with improper oil level can cause serious engine damage.

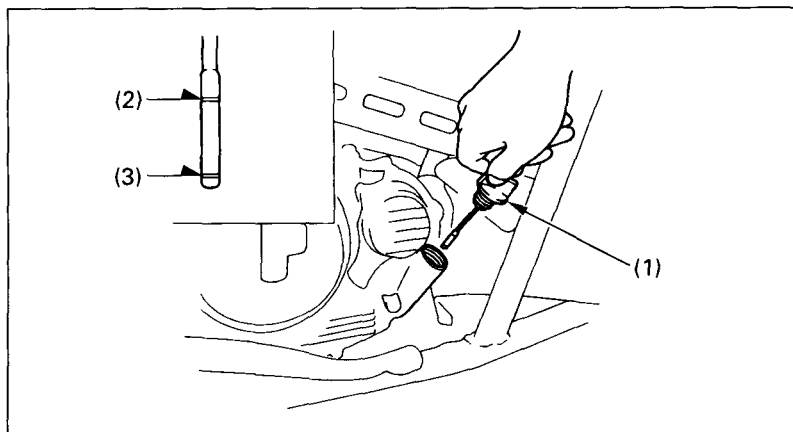


Fig. 4-9

(1) Oil filler cap/dipstick
(2) Upper level mark

(3) Lower level mark

Engine Oil Recommendations

Recommended Oil Viscosity: SAE 10W-40. Other viscosities shown in Fig. 4-10 may be used when the average temperature in your riding area is within the indicated range.

USE PRO HONDA GN4 OR HP4 4-STROKE OIL OR AN EQUIVALENT. Use only high detergent, premium quality motor oil certified to meet API Service Classification SF or SG. Motor oils intended for Service SF or SG will show this designation on the container. The use of special oil additives is unnecessary and will only increase operating expenses.

NOTE:

- * Engine oil is a major factor affecting the performance and service life of the engine. Nondetergent, vegetable, or castor based racing oils are not recommended.

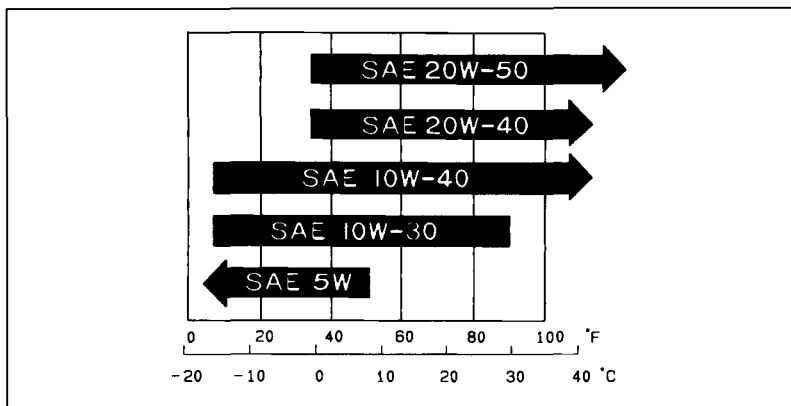


Fig. 4-10

Recommended oil viscosities

Changing the Engine Oil and Oil Filter

Engine oil should be changed in accordance with the Maintenance Schedule. Use motor oils of the grade and viscosity recommended.

When changing oil, drain the oil from the crankcase while the engine is still warm. This will ensure complete and rapid draining.

To change the oil and oil filter:

1. With the FOURTRAX on level ground, remove the oil filler cap/dipstick from the right crankcase cover (Fig. 4-9).
2. Place an oil drain pan under the crankcase and remove the oil drain plug (Fig. 4-11).

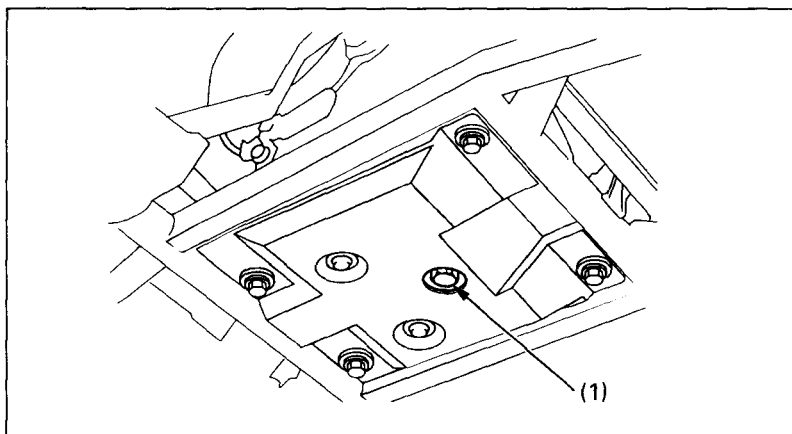


Fig. 4-11

(1) Oil drain plug

3. Remove the oil filter cover (Fig. 4-12) by removing the bolts. Let the remaining oil drain out.
Discard the oil filter (2).
4. Check that the oil filter cover O-rings (3) are in good condition and then install a new oil filter. Use only the Honda genuine oil filter or a filter of equivalent quality specified for your model. Using the wrong Honda filter or a non-Honda filter which is not of equivalent quality may cause engine damage.
5. Install the filter with the rubber seal facing out, away from the engine. You will see the "OUT-SIDE (TOWARDS FILTER COVER)" mark on the filter body, near the seal.

CAUTION:

Improper installation of the oil filter can cause serious engine damage.

6. Reinstall the oil filter cover (1), making sure the bolts are tightened securely.

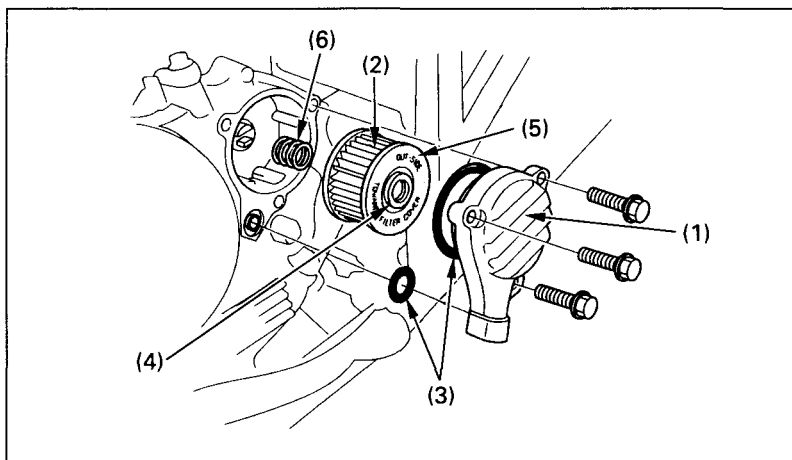


Fig. 4-12

(1) Oil filter cover
(2) Oil filter
(3) O-rings

(4) Rubber seal
(5) OUT-SIDE mark
(6) Spring

7. Check that the drain plug sealing washer is in good condition, then reinstall the oil drain plug securely.
8. Fill the crankcase with the recommended grade oil; approximately:
1.60 ℓ (1.69 US qt, 1.41 Imp qt)
9. Reinstall the oil filler cap/dipstick.
10. Start the engine and let it idle for a few minutes.
11. Stop the engine and check the oil level. Make sure the oil is between the upper and lower level marks on the dipstick.
If necessary, add more oil but do not overfill.

CAUTION:

Running the engine with improper oil level can cause serious engine damage.

NOTE:

To protect the environment, please dispose of used engine oil properly. We suggest you place used oil in a sealed container and take it to your local service station for reclamation. Do not put it in the trash or pour it on the ground.

While reading this manual, remember:

⚠WARNING

Indicates a strong possibility that serious injury or death may result if instructions are not followed.

DRIVE CHAIN

The drive chain (1) will wear with use and requires periodic adjustment in accordance with the maintenance schedule.

NOTE:

Check, adjust or lubricate the chain with the engine off.

Chain slack should be checked by measuring the amount of chain slack midway between the sprockets. The amount of slack should be:

35–45 mm (1.4–1.8 in)

To adjust slack, loosen the rear axle holder lock bolts (2), (Fig. 4-13). Turn the adjuster (3) to decrease or increase chain slack. Retighten the rear axle holder fixing bolts.

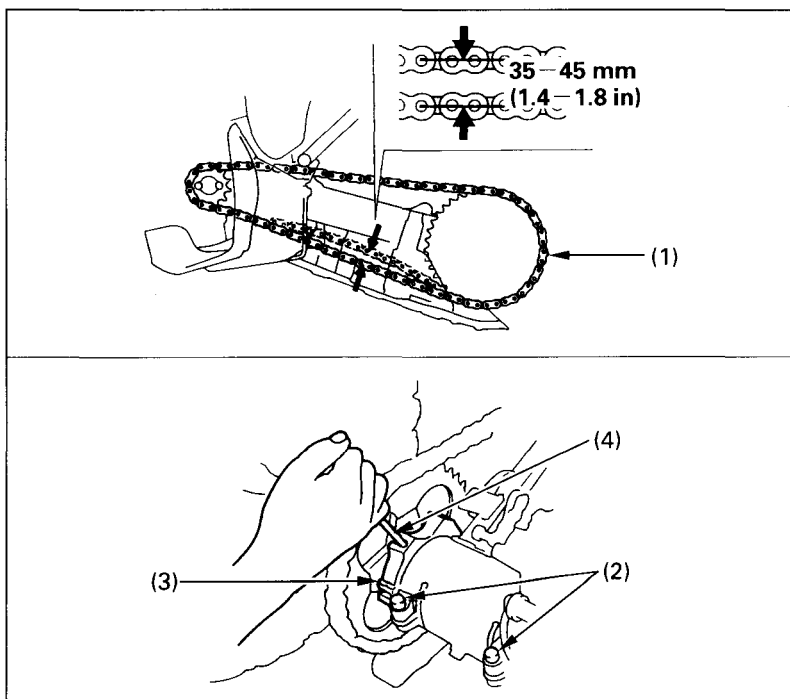


Fig. 4-13

(1) Drive chain
(2) Lock bolts

(3) Adjuster
(4) Allen wrench

Lubrication and Cleaning

Lubricate every 30 days of riding or sooner if chain appears dry. The O-rings in this chain can be damaged by steam cleaning, high pressure washers, and certain solvents.

Clean the chain with kerosene. Wipe dry and lubricate only with Honda Chain Lube or an equivalent drive chain lubricant which specifies use for O-ring chains. Other commercial chain lubricants may contain solvents which could damage the rubber O-rings.

Replacement chain:

DID520V6 or RK520 SM0Z10

Replacement

With the upper or lower section of drive chain tight between the sprockets measure the distance between a span of pins from pin center to pin center. If the distance exceeds the service limit, the chain is worn out and should be replaced.

Service limit: 319.1 mm (12.56 in)

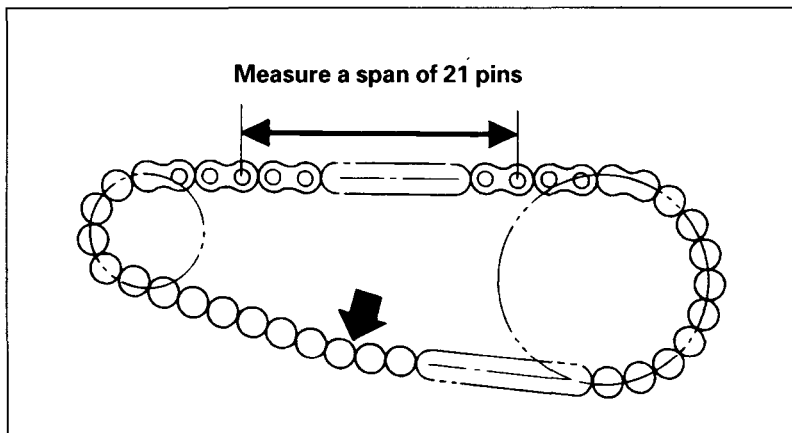


Fig. 4-14

Drive Chain Slider

Check the drive chain slider at the intervals specified in the Maintenance Schedule.

When the depth of the grooves in the slider reaches 2.0 mm (0.08 in), remove material to lower the height of the center ridge between the grooves to less than 2.0 mm (0.08 in).

Replace the slider when the depth of the grooves reaches the limit.

Service limit:

6.0 mm (0.24 in)

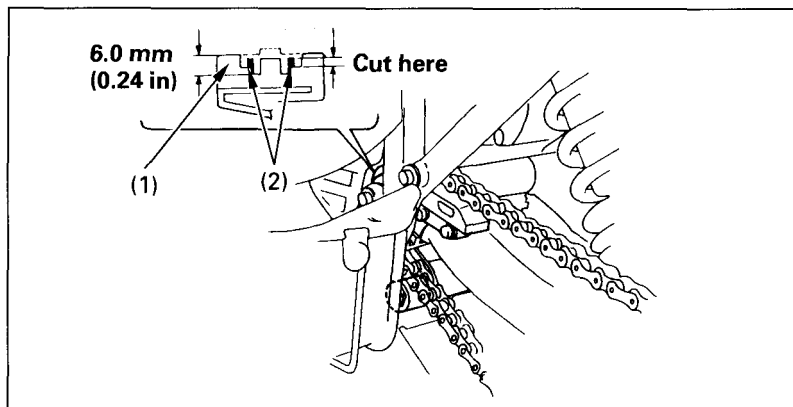


Fig. 4-15 (1) Drive chain slider (2) Center ridges

ENGINE

SPARK PLUG

- The standard spark plug is: DR8ES-L (NGK)
or X24ESR-U (NIPPONDENSO)
- For cold climate (Below 5°C, 41°F): DR7ES (NGK)
or X22ESR-U (NIPPONDENSO)
- For extended high speed riding: DR8ES (NGK)
or X27ESR-U (NIPPONDENSO)

CAUTION:

Using a spark plug of incorrect size or heat range can cause serious engine damage.

To check and change the spark plug:

1. Disconnect the spark plug cap.
2. Clean any dirt from around the spark plug base.
3. Remove the plug with the wrench provided in the tool kit.
4. Visually inspect the spark plug electrodes for wear. The center electrode (Fig. 4-16) should have a flat tip and sharp edges, and the side electrode (2) should not be eroded. If the electrodes and insulator tip appear unusually fouled or burned, we suggest that you contact your authorized Honda dealer.
5. Discard the spark plug if there is apparent wear or if the insulator is cracked or chipped.
6. Using a wire-type feeler gauge, make sure that the spark plug gap. If adjustment is necessary, bend the side electrode carefully.
The gap should be:
0.60—0.70 mm (0.024—0.028 in)
7. With the plug washer attached, thread the spark plug in by hand to prevent cross-threading.
8. After threading by hand, tighten a new spark plug 1/2 turn with the spark plug wrench to compress the washer. If you are reusing a plug, it should only take 1/8—1/4 turn after the plug seats.

CAUTION:

The spark plug must be securely tightened. An improperly tightened plug can become very hot and possibly damage the engine.

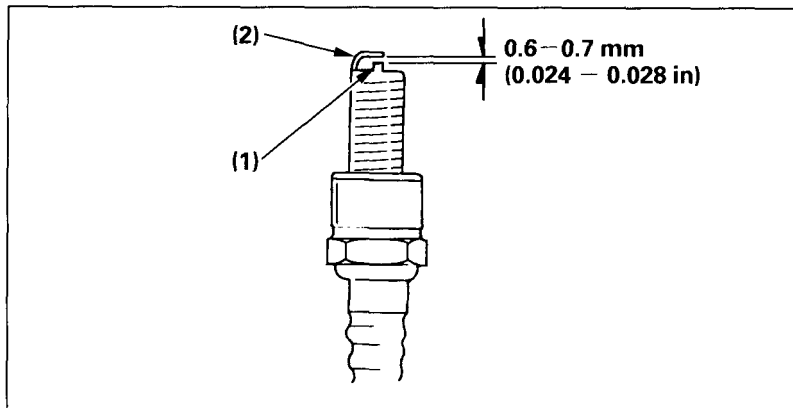


Fig. 4-16 (1) Center electrode

(2) Side electrode

VALVES

Valve clearance should be:

0.10 mm (0.004 in)

Excessive clearance will cause noise. Insufficient clearance will cause loss of power and possibly damage the valves.

For those who are mechanically proficient and have the proper tools, instructions on adjusting valve clearances are given in the official Honda Service Manual. All others should have valves adjusted by an authorized Honda dealer.

CLUTCH

Clutch Adjustment

Clutch adjustment may be required if the FOUR-TRAX stalls when shifting into gear, if it tends to creep, or if the clutch slips, causing acceleration to lag behind engine speed.

Normal clutch lever free at the lever (1), (Fig. 4-17) is:

10–20 mm (0.4–0.8 in)

1. Remove the two screws and the handlebar cover (see page 120).
2. Pull back the dust cover (2), (Fig. 4-18). Loosen the lock nut (4) and turn the clutch cable adjuster (3). Tighten the lock nut (4) and check the adjustment.

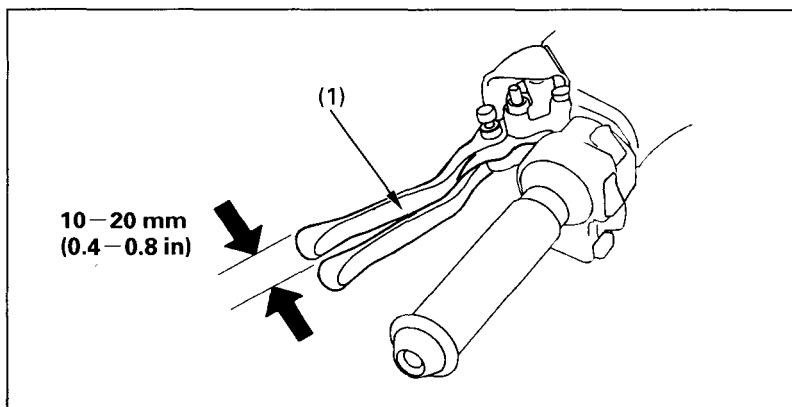


Fig. 4-17

(1) Clutch lever

3. If the cable adjuster is threaded out near its limit or the correct free play cannot be obtained using the cable adjuster (3), a major adjustment must be made. Loosen the lock nut (4) and turn in the cable abjuser (3) completely. Tighten the lock nut (4) and pull on the dust cover (2).
4. Install the handlebar cover securely. (Insert the fuel tank cap breather tube in the hole in the handlebar cover securely).

NOTE:

If proper adjustment cannot be obtained or the clutch does not work correctly, the cable or clutch friction discs may be worn. See your authorized Honda dealer.

Other Checks:

Check the clutch cable for kinks or signs of wear that could cause sticking or failure. Lubricate the clutch cable with a commercially available cable lubricant to prevent premature wear and corrosion.

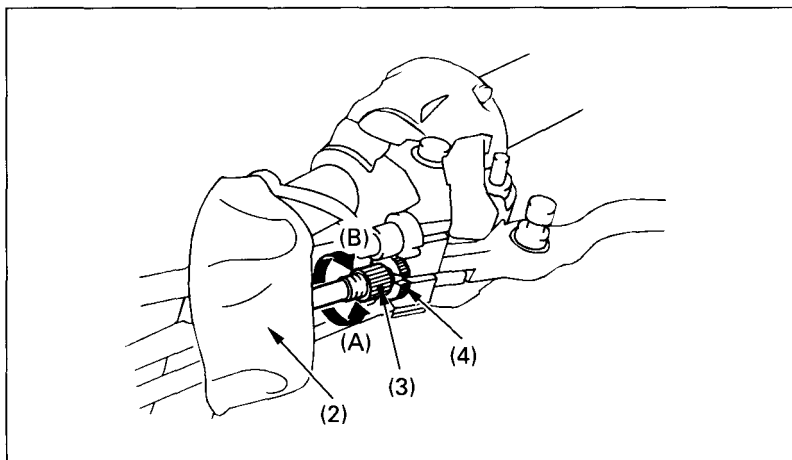


Fig. 4-18

- (1) Dust cover
- (2) Clutch cable adjuster
- (3) Lock nut

- (A) Decrease free play
- (B) Increase free play

Reverse Lock System

Measure the reverse assist lever (2) free play. Free play, measured at the lever (2) end near the cable (Fig. 4-19), should be approx:

2–4 mm (0.1–0.2 in)

To adjust, loosen the lock nut (3) and turn the adjusting nut (4). Tighten the lock nut securely.

Other Checks:

Check the reverse assist lever and cable for loose connections or other damage. If the cable is worn or kinked, have it replaced by your Honda dealer.

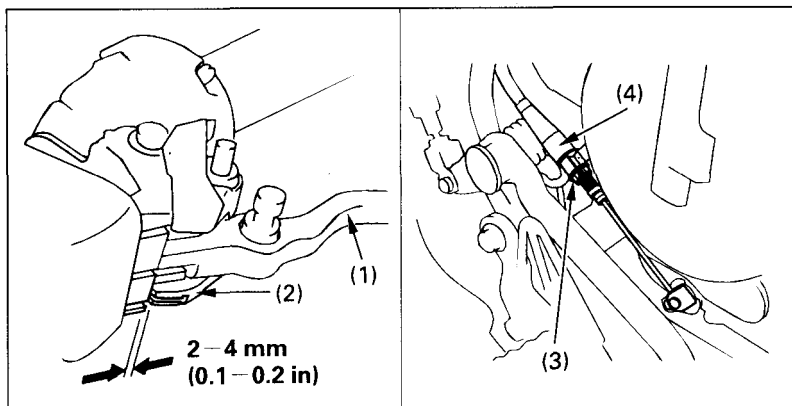


Fig. 4-19 (1) Clutch lever
(2) Reverse assist lever

(3) Lock nut
(4) Adjusting nut

While reading this manual, remember:

⚠ WARNING Indicates a strong possibility that serious injury or death may result if instructions are not followed.

ELECTRICAL SYSTEM

BATTERY

Your FOURTRAX battery is located in a compartment under the rear fender. The battery is sealed, so it is not necessary to check the electrolyte level or add distilled water. If the battery seems weak, see your authorized Honda dealer for information on recharging or replacement. If you replace the battery, choose one that is sealed and equivalent to the original. Be sure to read and follow all safety precautions indicated on the battery.

CAUTION:

Do not attempt to remove the caps from the battery cells as this may damage the battery.

Although the battery is sealed, it vents explosive gases and should be handled with appropriate care.

WARNING

POTENTIAL HAZARD

Allowing open flames or sparks near the battery.

WHAT CAN HAPPEN

Gases may explode and possibly cause injury.

HOW TO AVOID THE HAZARD

Do not allow open flames or sparks near the battery.

When the FOURTRAX is to be stored for an extended period, remove the battery from the vehicle and charge it fully. Then store it in a cool, dry place. If the battery is to be left on the vehicle, disconnect the negative cable from the battery terminal.

Battery Removal

1. Make sure the ignition switch is OFF.
2. Remove the seat (page 127).
3. Remove the battery holder (1), (Fig. 4-20) by removing the mount bolts (2).
4. Disconnect the negative (-) terminal lead (3) from the battery (4) first, then disconnect the positive (+) terminal lead (5).
5. Remove the battery.
 - * Install in the reverse order of removal.
 - * Check all bolts and other fasteners are secure.

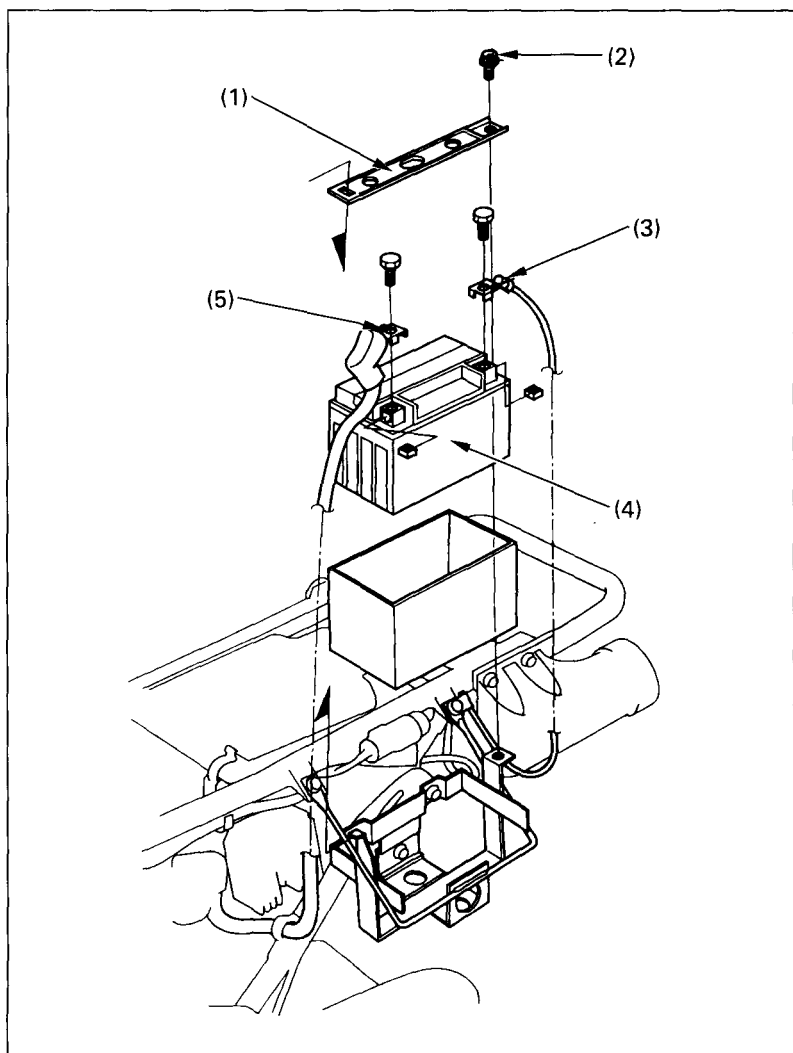


Fig. 4-20

(1) Battery holder
(2) Mount bolts
(3) Negative (-)
terminal lead

(4) Battery
(5) Positive (+)
terminal lead

FUSE

As illustrated in Fig.4-21, the fuse (1) is located next to the air cleaner case cover behind the seat.

The specified fuse is:

15A

If a fuse fails frequently, it usually indicates a short circuit or an overload in the electrical system. See your authorized Honda dealer for repair.

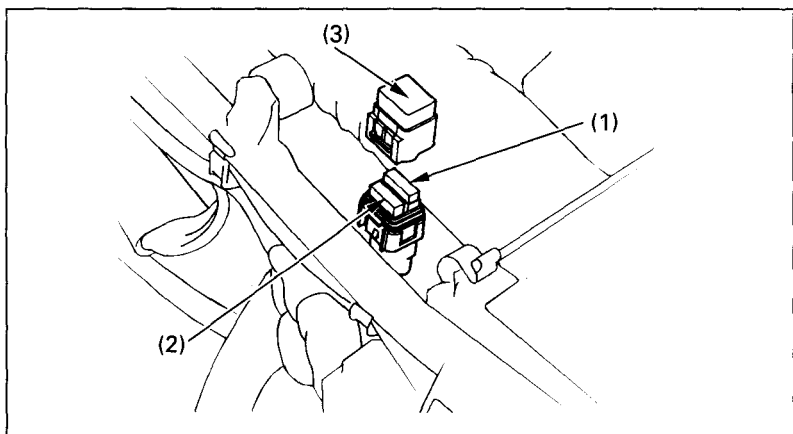


Fig. 4-21

(1) Fuse
(2) Spare fuse

(3) Fuse box cover

To replace a fuse:

1. Make sure the ignition switch is OFF.

CAUTION:

Turn the ignition switch OFF before checking or replacing the fuse to prevent accidental short-circuiting which could damage the electrical system.

2. Remove the seat (page 127).
3. Remove the fuse box cover (3).
4. Pull the old fuse out of the clips.
5. Push a new fuse into the clips and install the fuse box cover.
6. Install the seat.

⚠ WARNING

POTENTIAL HAZARD

Improperly replacing a fuse.

WHAT CAN HAPPEN

Serious damage to the electrical system, which could cause a fire or a loss of lights or engine power, which could lead to an accident.

HOW TO AVOID THE HAZARD

Never use a fuse with a different rating from that specified in this Owner's Manual.

Do not pry the clips open to get a fuse out, as a loose fuse could cause damage to the electrical system or start a fire.

BRAKES

This FOURTRAX has both front and rear hydraulic disc brakes.

As the brake pads wear, brake fluid level drops, automatically compensating for wear.

There are no adjustments to perform, but fluid level and pad wear must be inspected periodically. The system must be inspected frequently to ensure there are no fluid leaks.

NOTE:

If the brake lever or pedal travel become excessive and the brake pads are not worn beyond the recommended limit (pages 118 – 119), there is probably air in the brake system and it must be bled. See your authorized Honda dealer for this service.

CAUTION:

- * To prevent damage to the brake system, use only fluid from a sealed container. Never allow contaminants (dirt, water, etc.) to enter the brake fluid reservoir.**
- * Brake fluid can damage paint and plastic, so handle the fluid with care. When adding brake fluid, be sure the reservoir is horizontal before removing the cover to prevent accidental spilling.**
- * Use only DOT 4 brake fluid from a sealed container.**

Front Brake Fluid Level:

Check if the fluid level is below the lower level mark (1) through the inspection window (2).

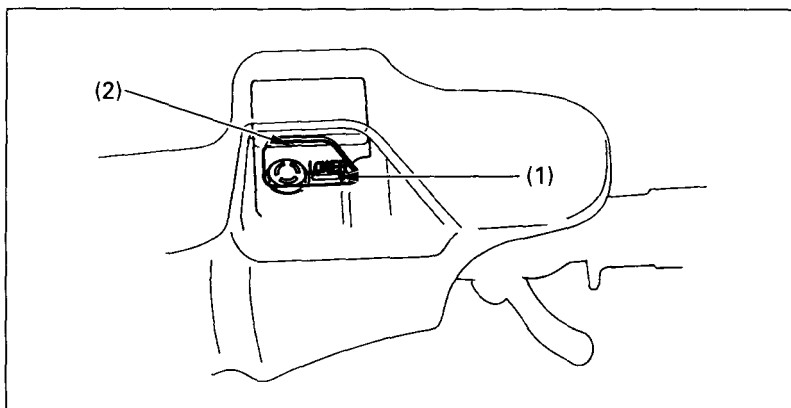


Fig. 4-22 (1) Lower level mark (2) Inspection window

⚠ WARNING

POTENTIAL HAZARD

Brake fluid contacting the skin or eyes.

WHAT CAN HAPPEN

May cause irritation.

HOW TO AVOID THE HAZARD

Avoid contacting brake fluid with the skin or eyes. In case of contact, flush thoroughly with water and call a doctor if your eyes were exposed.

Rear Brake Fluid Level:

Check if the fluid level is below the lower level mark (1).

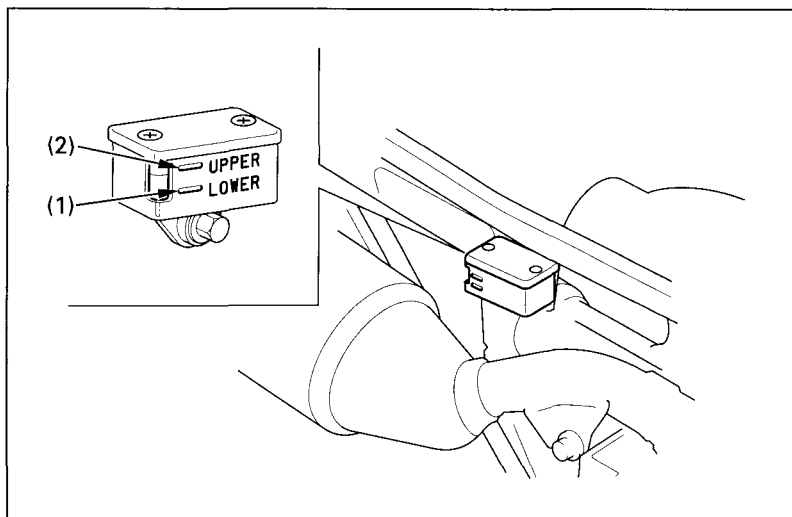


Fig. 4-23 (1) Lower level mark

(2) Upper level mark

Brake Pads:

Brake pad wear will depend upon the severity of usage and riding conditions. The pads will wear faster in wet or muddy conditions. Inspect the pads visually during all regular service intervals to determine the pad wear.

1. Front brake pads/Rear brake pads—If the wear indicator (1) aligns with the edge of the reference mark (2), both pads must be replaced, see your authorized Honda dealer for this replacement.

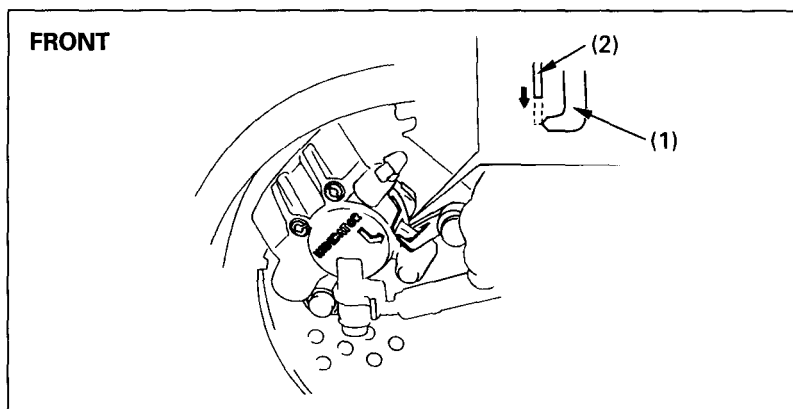


Fig. 4-24 (1) Wear indicator

(2) Edge of reference mark

REAR

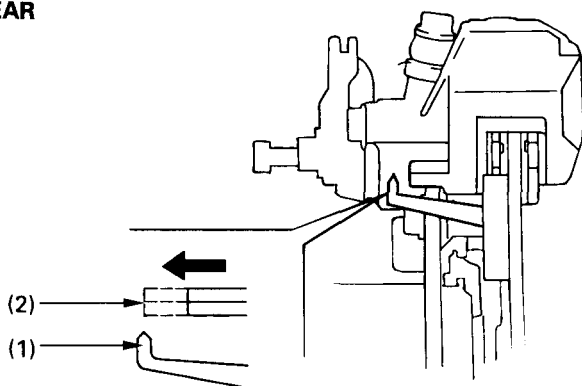


Fig. 4-25 (1) Wear indicator (2) Edge of reference mark

CAUTION:

The front and rear brake pads are not interchangeable. When replacing brake pads be sure to install the correct brake pads.

Other Checks:

1. Make sure there are no fluid leaks.
2. Check for deterioration or cracks in the hose and fittings.
3. The rear brake pedal pivot must be inspected according to the Maintenance Schedule.

See your authorized Honda dealer for this service.

Parking Brake

Parking brake adjustment may be required if the parking brake does not hold properly.

Parking Brake Adjustment:

1. Remove the fuel tank cap brether tube (1) from the handlebar cover.
2. Remove the two dust caps (2), the two screws (3) and the handlebar cover (4).

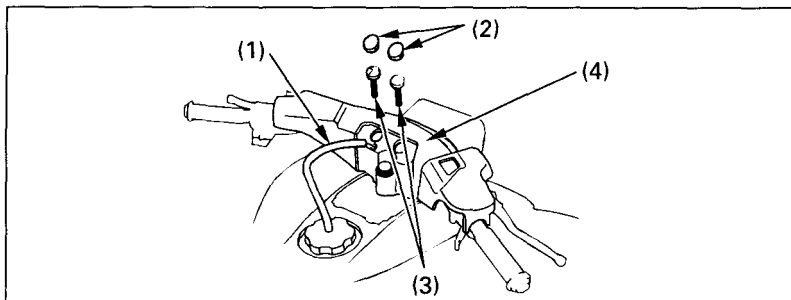


Fig. 4-26 (1) Fuel tank cap brether tube (3) Screws
 (2) Dust cap (4) Handlebar cover

3. Temporarily adjust the clutch lever free play to more than 30 mm (1.2 in) (page 107).
4. Loosen the lock nut (1) on the parking brake cable, and screw in the adjuster (2) completely.
5. Loosen the lock nut (3) on the parking brake arm (4) and turn the adjusting bolt (5) clockwise until you feel resistance.
6. Then turn the adjusting bolt (5) 1/8 counterclockwise, and tighten the lock nut (3).

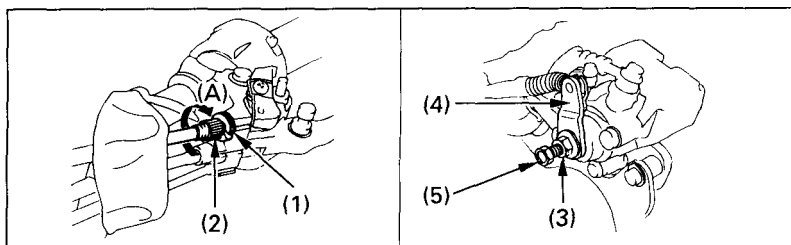


Fig. 4-27 (1) Lock nut (3) Lock nut
 (2) Adjuster (4) Parking brake arm
 (A) Screw in (5) Adjusting bolt

6. Push down the parking brake pin (6) and then squeeze the clutch lever (7) until firm resistance is felt. Measure the distance the clutch lever has moved; the distance should be:
25–30 mm (1.0–1.2 in)
If necessary, turn the adjuster (2) and tighten the lock nut (1).
7. Adjust the clutch lever free play (page 107) is:
10–20 mm (0.4–0.8 in)

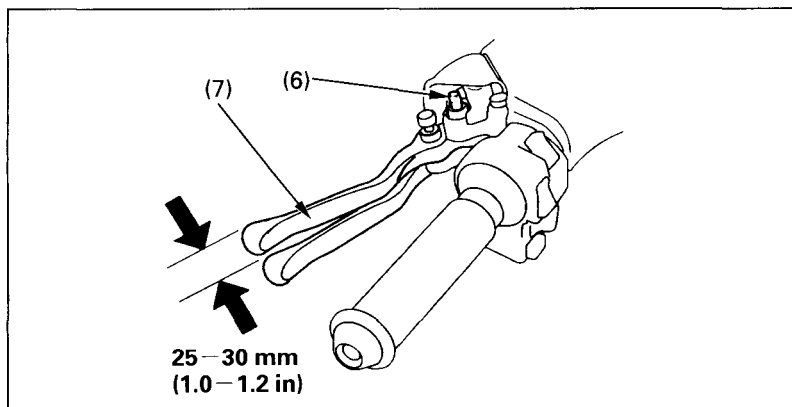


Fig. 4-28 (6) Parking brake pin

(7) Clutch/Parking
brake lever

While reading this manual, remember:

⚠ WARNING

Indicates a strong possibility that serious injury or death may result if instructions are not followed.

WHEELS AND TIRES

WHEEL REMOVAL

If you need to remove a wheel from your FOURTRAX, follow these procedures:

1. Raise the front (or rear) wheels off the ground and place a support securely under the vehicle.
2. Loosen the wheel nuts (Fig. 4-29) with a 17 mm socket wrench.
3. Remove the wheel.

When reinstalling a wheel, tighten the wheel nuts in a crisscross (rather than a circular) pattern.

Wheel nuts torque:

65 N·m (6.5 kg-m , 47 lb-ft)

Be sure the tapered side of the wheel nuts face the wheel rim (2).

⚠ WARNING

POTENTIAL HAZARD

Installing wheels improperly.

WHAT CAN HAPPEN

A wheel may come loose, possibly leading to an accident.

HOW TO AVOID THE HAZARD

Carefully follow the instructions in this Owner's Manual when installing wheels.

NOTE:

If a torque wrench was not used for installation, see your authorized Honda dealer before operating the vehicle to verify proper assembly.

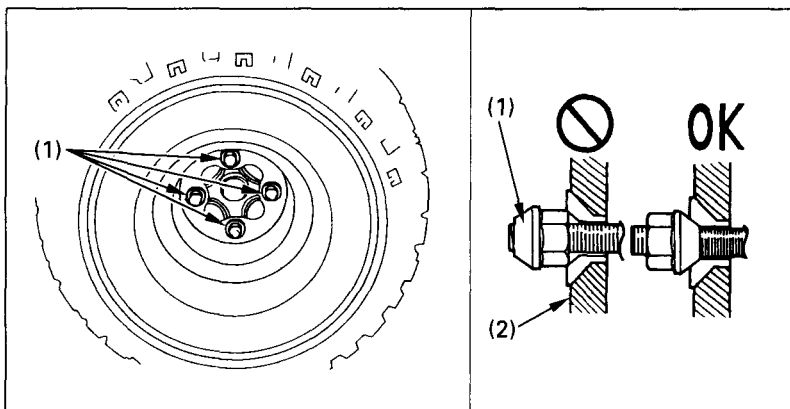


Fig. 4-29 (1) Wheel nuts

(2) Wheel rim

TIRES

This FOURTRAX is equipped with low pressure tubeless tires. Although the tires are designed specifically for off-road use, they are not immune to punctures. Always select your riding area with care.

Tire Pressure

Check the tire pressure frequently with the air pressure gauge supplied with the vehicle. For normal use, the tires should be inflated to the pressure recommended in Fig. 4-30.

NOTE:

- * Tire pressure should be checked before you ride, when the tires are "cold." Be sure to check tire pressure at the riding site, since changes in altitude can affect air pressure.

- * A manually operated tire pump should be used rather than the high pressure systems found in service stations. This will minimize the possibility of tire damage from overinflation.

	FRONT	REAR
TIRE SIZE	AT 22 × 7-10 ★★	AT 22 × 10-9 ★
TIRE BRAND	P/V 102 Ohtsu	P/V 702 Ohtsu
RECOMMENDED PRESSURE	30 kPa (0.30 kg/cm ² , 4.4 psi)	20 kPa (0.20 kg/cm ² , 2.9 psi)
MAXIMUM PRESSURE	33 kPa (0.33 kg/cm ² , 4.8 psi)	23 kPa (0.23 kg/cm ² , 3.3 psi)
MINIMUM PRESSURE	27 kPa (0.27 kg/cm ² , 4.0 psi)	17 kPa (0.17 kg/cm ² , 2.5 psi)

Fig. 4-30

Tire specifications

⚠ WARNING

POTENTIAL HAZARD

Operating this ATV with improper tires, or with uneven tire pressure.

WHAT CAN HAPPEN

Use of improper tires on this ATV, or operation of this ATV with improper or uneven tire pressure, may cause loss of control, increasing your risk of an accident.

HOW TO AVOID THE HAZARD

Always use the size and type tires specified in this Owner's Manual for this vehicle.

Always maintain proper tire pressure as described in this Owner's Manual.

Tire Tread Condition

To check the condition of a tire tread, measure the groove depth (1) in the center of the tire, or check the wear indicator (2) as shown in Fig. 4-31.

The minimum tread depth is 4 mm (0.16 in). When the tread depth is less than recommended, the tire should be replaced.

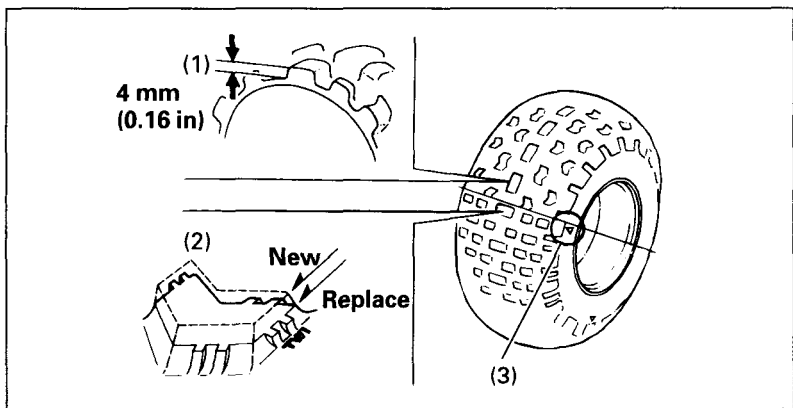


Fig. 4-31

(1) Groove depth
(2) Wear indicator

(3) Wear indicator
location mark

Repairing a Flat Tire

If you have a flat tire, use the plug method to make a temporary repair. (The plug method is applied from the outside of the tire and is the same as that for conventional tubeless tires.)

A plug-type repair kit, available at most auto parts stores or service stations, provides a plug, an installation tool, tire cement, and an instruction sheet. Follow the instructions provided with the repair kit to make a temporary repair.

As soon as possible, have the tire permanently repaired by an authorized Honda dealer. Any tire that cannot be repaired should be replaced.

Whenever the FOURTRAX is to be operated far from service facilities or available transportation, we recommend that you carry a tire pump and a repair kit with the vehicle.

SEAT REMOVAL

To remove the seat (Fig. 4-32), pull up the seat lock lever (1) behind the seat and lift it up.

To install the seat, align the tabs on the seat with the grommets on the frame and press the seat down until it locks.

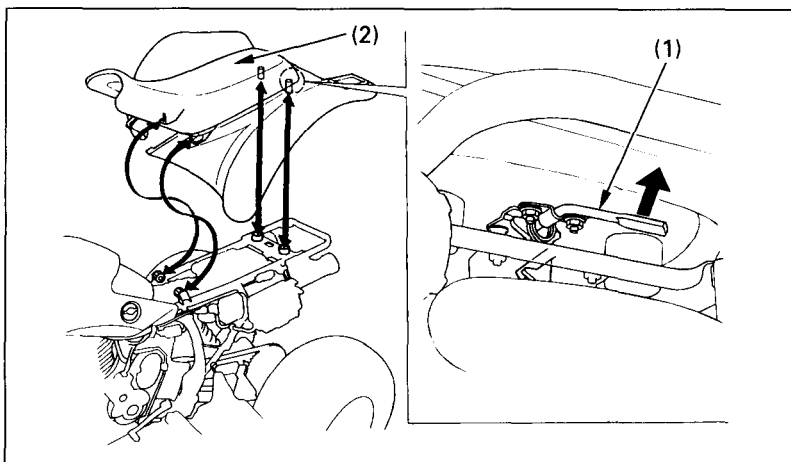


Fig. 4-32 (1) Seat lock lever

(2) Seat

ENGINE GUARD AND SKID PLATES

The engine guard (Fig. 4-33) protects the engine crank case. The skid plates (2) protect the frame/lower arm, the drive components and the rear brake. Check the guard and plates for cracks, damage or looseness at intervals shown in the Maintenance Schedule (page 77–78).

Replace the guard and plates with new ones if they are cracked or damaged. If the guard and plate bolts are loose, tighten them securely.

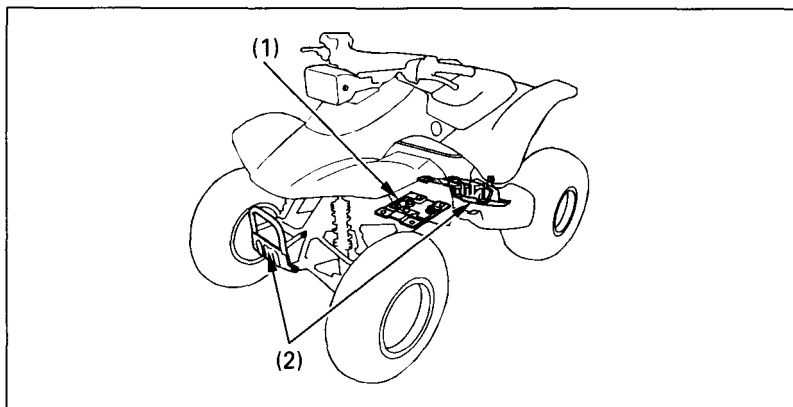


Fig. 4-33 (1) Engine guard

(2) Skid plates

While reading this manual, remember:

⚠ WARNING Indicates a strong possibility that serious injury or death may result if instructions are not followed.

SPARK ARRESTER

The exhaust system must be periodically purged of accumulated carbon.

To purge the system:

1. Select a well-ventilated area free of combustible materials and make sure the exhaust pipe is cool.
2. Remove the bolts (1) (Fig. 4-34), gasket (2) and spark arrester lid (3).
3. Start the engine and rev it up approximately twenty times while momentarily creating exhaust system back pressure by blocking the end of the muffler with a shop towel.
4. Stop the engine and allow the exhaust pipe to cool.
5. Reinstall the removed parts and tighten the bolts securely.

NOTE:

The two spark arrester screws (4) must be installed in the spark arrester body at all times for the spark arrester to be effective.

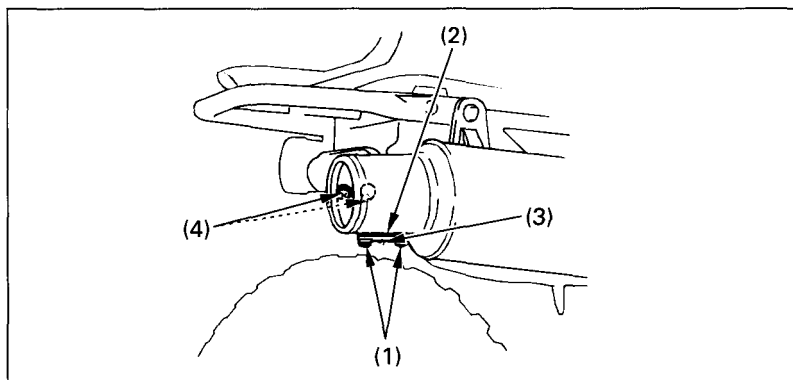


Fig. 4-34

(1) Bolts
(2) Gasket

(3) Spark arrester lid
(4) Spark arrester screws

⚠ WARNING

POTENTIAL HAZARD

Improperly purging the exhaust system.

WHAT CAN HAPPEN

Could injure the eyes.

Could cause burns.

Could cause carbon monoxide poisoning, possibly leading to death.

Could start a fire.

HOW TO AVOID THE HAZARD

When purging the exhaust system:

Always wear eye protection, and make sure no one stands behind the vehicle.

Always let the exhaust system cool before performing this operation.

Never run the engine in an enclosed area.

Make sure there are no combustible materials in the area.

TRANSPORTING YOUR FOURTRAX

When you transport your FOURTRAX, we recommend that you carry the vehicle in its normal operating position (on all four wheels) and follow these procedures:

1. Set the parking brake and place the transmission in gear.
2. Turn the fuel valve OFF.
3. Secure the vehicle with "tie downs" in the areas shown. Suitable "tie downs" are available from your Honda dealer. Ordinary rope is not recommended because it can stretch under load.

CAUTION:

Using tie downs in any other areas can damage your FOURTRAX.

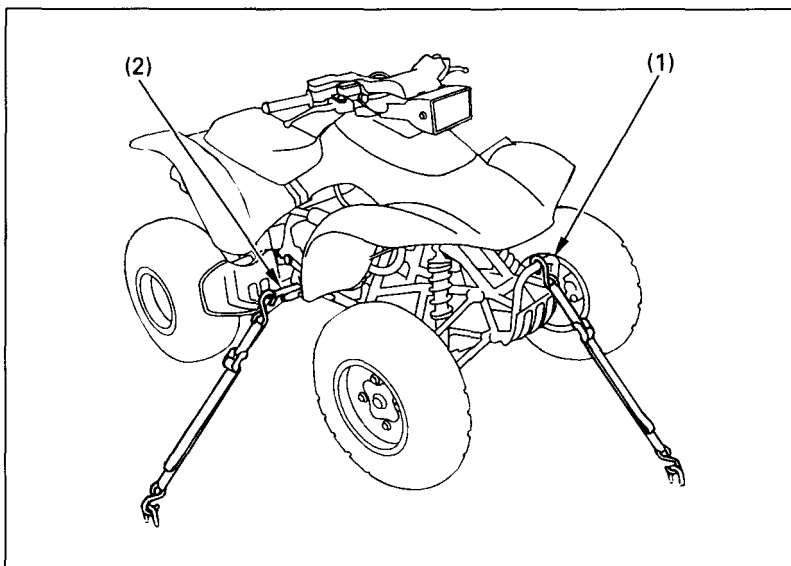


Fig. 4-35 Points to secure FOURTRAX with tie downs

(1) Front carry pipe
(2) Right footpeg

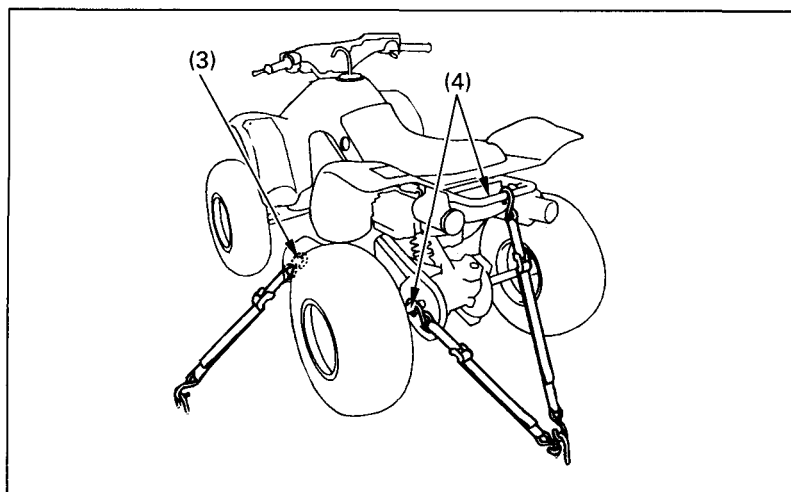


Fig. 4-36 Points to secure
FOURTRAX with
tie downs

(3) Left footpeg
(4) Rear carry pipe or
Rear axle shaft

If it is necessary to incline your FOURTRAX upright on the rear end:

1. Follow steps 1 and 2 on the previous page.
2. Place a suitable container under the carburetor drain tube.
3. Turn the drain screw counterclockwise and drain the fuel from the carburetor.
4. After draining the carburetor, turn the drain screw clockwise until it is tight.
5. Pour the drained fuel into the fuel tank.
6. Tilt the vehicle and secure properly.

Do not tow your FOURTRAX behind a car or other vehicle.

WARNING

POTENTIAL HAZARD

Inclining this ATV without first draining fuel from the carburetor.

WHAT CAN HAPPEN

The fuel could explode or ignite.

HOW TO AVOID THE HAZARD

Always drain fuel from the carburetor before inclining this ATV.

Always handle fuel in a well-ventilated area with the engine off. Do not smoke or allow flames or sparks in the area where fuel is handled.

If any fuel is spilled, make sure the area is dry before starting the engine.

WARNING

POTENTIAL HAZARD

Prolonged contact of fuel with the skin.
Breathing fuel vapor.

WHAT CAN HAPPEN

The fuel can cause skin irritation.
Fuel vapor could cause lung damage.

HOW TO AVOID THE HAZARD

Avoid repeated or prolonged contact of fuel with the skin or breathing of fuel vapor.

KEEP OUT OF REACH OF CHILDREN.

CLEANING YOUR FOURTRAX

CLEANING

Clean your FOURTRAX regularly to protect the surface finishes and inspect for damage, wear, and oil or brake fluid leakage.

Avoid cleaning products that are not specifically designed for ATV or automobile surfaces.

They may contain harsh detergents or chemical solvents that could damage the metal, paint, and plastic on your FOURTRAX.

If your FOURTRAX is still warm from recent operation, give the engine and exhaust system time to cool off.

Park in a shady area. Washing your FOURTRAX in bright sunlight may cause the finish to fade because water droplets intensify the sun's brightness. Spotting is also more likely because surface water can dry before you have time to wipe it off.

We recommend avoiding the use of high pressure water spray (typical in coin-operated car washes.)

CAUTION:

High pressure water (or air) can damage certain parts of the FOURTRAX.

1. Rinse the FOURTRAX thoroughly with cool water to remove loose dirt.
2. Clean the FOURTRAX with a sponge or soft cloth using cool water. Avoid directing water to muffler outlets and electrical parts.
3. After cleaning, rinse the FOURTRAX thoroughly with plenty of clean water.
Detergent residue can corrode alloy parts.
4. Dry the FOURTRAX and lubricate the drive chain.
5. Start the engine and let it run for several minutes.
6. Test the brakes before riding the FOURTRAX. Several applications may be necessary to restore normal braking performance.

Braking efficiency may be temporarily impaired immediately after washing the FOURTRAX.

Anticipate longer stopping distances to avoid a possible accident.

STORING YOUR FOURTRAX

STORAGE

Before storing your FOURTRAX for an extended time, be sure you thoroughly check the vehicle for needed repairs and have them corrected. Otherwise, the repairs may be forgotten by the time you remove the vehicle from storage.

In addition, extended storage requires that you take the following steps to reduce the effects of deterioration from non-use of the vehicle:

1. Change the engine oil and oil filter.
2. Lubricate the drive chain.
3. Drain the fuel tank and carburetor. Be sure to drain the fuel in a well-ventilated area, not in a garage.

WARNING

POTENTIAL HAZARD

Refueling this ATV or handling fuel improperly.

WHAT CAN HAPPEN

The fuel could explode or ignite.

HOW TO AVOID THE HAZARD

Always refuel this ATV and handle fuel in a well-ventilated area with the engine off. Do not smoke or allow flames or sparks in the area where fuel is handled.

Do not overfill the tank. Be careful not to spill fuel when refueling. After refueling, make sure the fuel fill cap is closed properly and securely.

If any fuel is spilled, make sure the area is dry before starting the engine.

WARNING

POTENTIAL HAZARD

Prolonged contact of fuel with the skin.
Breathing fuel vapor.

WHAT CAN HAPPEN

The fuel can cause skin irritation.
Fuel vapor could cause lung damage.

HOW TO AVOID THE HAZARD

Avoid repeated or prolonged contact of fuel with the skin or breathing of fuel vapor.

KEEP OUT OF REACH OF CHILDREN.

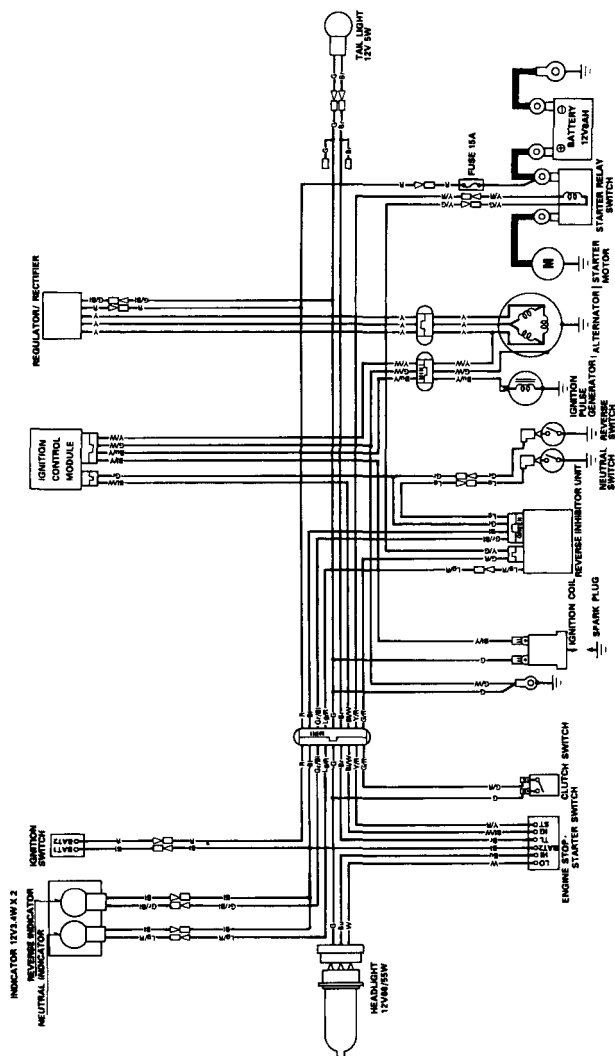
4. Spray the inside of the fuel tank with an aerosol rust-inhibiting oil. Reinstall the fuel cap.
5. Remove the spark plug and pour one tablespoon (15–20 cc) of clean engine oil into the cylinder.
Operate the starter for a few seconds to distribute the oil, then reinstall the spark plug. (Make sure the engine stop switch is OFF before pressing the starter button.)
6. Remove the battery (page 111) and store it in an area protected from freezing temperatures and direct sunlight and out of the reach of children, slow charge the battery once a month.
7. Wash and dry the FOURTRAX, and wax all painted surfaces.
8. Inflate the tires to their recommended pressures.
9. Place the FOURTRAX on blocks to raise all four tires off the ground.

SPECIFICATIONS

DIMENSIONS	
Overall length	1,720 mm (67.7 in)
Overall width	1,105 mm (43.5 in)
Overall height	1,085 mm (42.7 in)
Wheelbase	1,150 mm (45.3 in)
WEIGHT	
Dry Weight	171 kg (377 lbs)
CAPACITIES	
Engine oil	2.0 ℓ (2.1 US qt , 1.8 Imp qt)
Fuel tank	8.5 ℓ (2.25 US gal , 1.87 Imp gal)
Fuel reserve	1.8 ℓ (0.48 US gal , 0.40 Imp gal)
ENGINE	
Bore and stroke	74 × 65.5 mm (2.91 × 2.58 in)
Compression ratio	8.9 : 1
Displacement	281.7 cm ³ (17.18 cu-in)
Engine idle speed	1,400 ± 100 rpm
Spark plug, standard	DR8ES-L (NGK) X24ESR-U (NIPPONDENSO)
Spark plug gap	0.60–0.70 mm (0.024–0.028 in)
Valve clearance	0.10 mm (0.004 in)
CHASSIS AND SUSPENSION	
Caster angle	7 °
Trail length	32 mm (1.3 in)
Tire size, Front	AT 22 × 7-10 ★★
Rear	AT 22 × 10-9 ★

POWER TRANSMISSION	
Primary reduction	2.833
Gear ratio 1st	3.692
2nd	2.529
3rd	1.857
4th	1.458
5th	1.178
Reverse gear ratio	5.415
ELECTRICAL	
Battery	12V – 8Ah
Generator	0.24 kw/5,000 rpm
LIGHTS	
Head light (Low/High)	12V 60/55W
Taillight	12V 5W
Neutral indicator light	12V 3.4W
Reverse indicator light	12V 3.4W
FUSE	
15A	

WIRING DIAGRAM



B	BLACK	B	BROWN
Y	YELLOW	Y	YELLOW
D	DIAGONAL	D	DIAGONAL
BL	BLUE	BL	BLUE
GR	GREEN	GR	GREEN
R	RED	R	RED
W	WHITE	W	WHITE
DR	GRAY	DR	GRAY

0030Z - HM3 - 0000

STARTER SWITCH	BATE ST	FREE	PUSH	ON	IN	VR
----------------	---------	------	------	----	----	----

ENGINE STOP SWITCH	BATE ST	OFF	ON	OFF	ON	VR
--------------------	---------	-----	----	-----	----	----

IGNITION SWITCH	BATE ST	OFF	ON	OFF	ON	VR
-----------------	---------	-----	----	-----	----	----

IGNITION SWITCH	BATE ST	OFF	ON	OFF	ON	VR
-----------------	---------	-----	----	-----	----	----

IGNITION SWITCH	BATE ST	OFF	ON	OFF	ON	VR
-----------------	---------	-----	----	-----	----	----

SWITCH CONTINUITY

CONNECTION OF SWITCH

CONSUMER INFORMATION (USA ONLY)

NOISE EMISSION CONTROL SYSTEM

TAMPERING WITH THE NOISE CONTROL SYSTEM IS PROHIBITED:

Federal law prohibits the following acts or the causing there of: (1) The removal or rendering inoperative by any person, other than for purposes of maintenance, repair, or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use; or (2) the use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

AMONG THOSE ACTS PRESUMED TO CONSTITUTE TAMPERING ARE THE ACTS LISTED BELOW:

1. Removal of, or puncturing the muffler, baffles, header pipes or any other component which conducts exhaust gases.
2. Removal of, or puncturing any part of the intake system.
3. Lack of proper maintenance.
4. Replacing any moving parts of the vehicle, or parts of the exhaust or intake system, with parts other than those specified by the manufacturer.

WARRANTY SERVICE

Your satisfaction and goodwill are important to American Honda and to your Honda dealer. All Honda warranty details are explained in the Distributor's Limited Warranty.

Normally, any problems with the product will be handled by your dealer's service department. Sometimes, however, despite the best intentions of all concerned, misunderstandings can occur. If your problem has not been handled to your satisfaction, we suggest you take the following action:

- * Discuss your problem with a member of the dealership management. Often, complaints can be quickly resolved at that level. If the problem has already been reviewed with the Service Manager, contact the owner of the dealership or the General Manager.
- * If your problem still has not been resolved to your satisfaction, contact the Motorcycle Customer Service Department of American Honda Motor Co., Inc. The address is P. O. Box 2220 Torrance, CA 90509-2220. Telephone: (310) 532-9811. We will need the following information in order to assist you:
 1. Your name, address, and telephone number.
 2. The model number and serial number of your FOURTRAX.
 3. Date of purchase.
 4. Dealer's name and address.
 5. The nature of your problem.

After reviewing all the facts, we will advise you of what action can be taken. Please bear in mind that your problem will likely be resolved at the dealership level, using the dealer's facilities, equipment and personnel. So it is very important that your initial contact be with the dealer.

We appreciate your purchase of a Honda FOURTRAX. Both American Honda and your Honda dealer want to assist you in every way possible to assure your complete satisfaction.

SERIAL NUMBERS

The frame, engine and key numbers (Fig. 5-1) will be needed when you order replacement parts. Record the numbers here for your reference.

The frame serial number (2) is stamped on the front of the frame. The engine serial number (3) is stamped on the right crankcase.

KEY NO. _____

FRAME NO. _____

ENGINE NO. _____

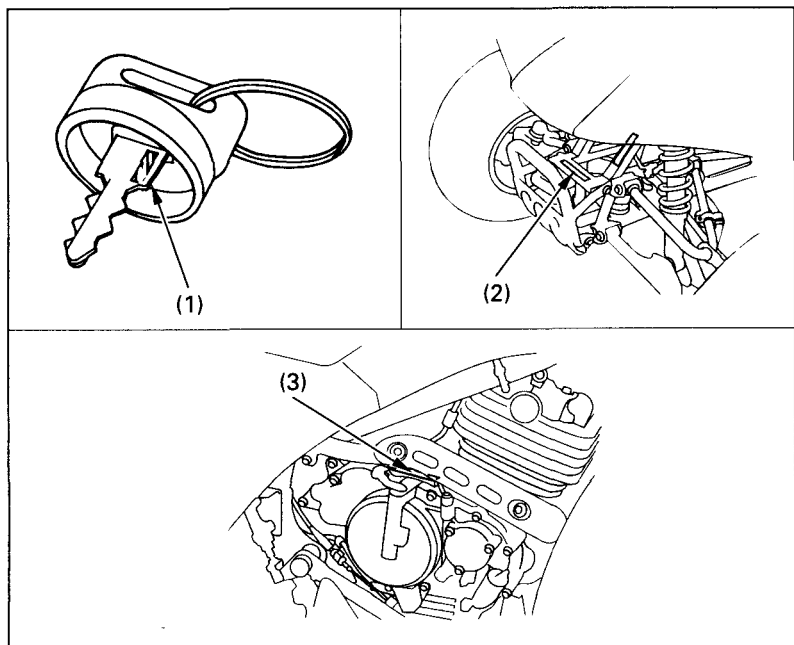


Fig. 5-1

(1) Key number
(2) Frame number

(3) Engine number

INDEX

A

Accessories	38
Age recommendation	30
Air cleaner	
Case drain tube	92
Filter	89
Air pressure gauge	29
Apparel, recommended	40

B

Battery	110
Brakes	
Brake fluid	115
Front brakes	
Brake lever	22
Brake pads	118
Parking brake	22
Adjustment	120
Rear brake	
Brake pedal	22
Brake pads	119
Break-in procedures	ii

C

Carburetor	
Air-fuel mixture adjustment	94
High altitude adjustment	95
Idle speed adjustment	93
Choke	
Lever	15
Cleaning	135
Climbing hills	63
Clutch adjustment	107–108
Consumer information	143
Crossing slopes	72
Customer service	144

D	
Dimmer switch	18
Dipstick	25, 96
Drive chain	101
E	
Engine	
Idle speed adjustment	93
Break-in procedures	ii
Engine guard	128
Flooded engine	56
Starting the engine	53
Engine oil	
Changing oil	98
Checking oil level and adding oil	96
Oil filler cap/dipstick	25, 96
Recommendations	97
Engine stop switch	14
Exhaust system	
Cleaning	33
Purging	130
F	
Flag pole bracket	28
Flooded engine	56
Fuel	
Fuel recommendations	84
Fuel strainer screen	86
Fuel fill cap	23, 82
Fuel tank capacity	82
Fuel valve	24
High altitude fuel mixture adjustment	95
Refueling	82
Reserve fuel supply	24
Fuse	
Location	113
Replacement	114

G

Gasoline (see Fuel)	
Gearshift pedal.....	20
Gearshifting.....	20, 57

H

Headlight switches.....	18
Helmet holder.....	27
High altitude fuel mixture adjustment.....	95
Hills	
Riding across slopes	72
Riding down hills.....	70
Riding up hills.....	63
Stopping on hills	65
Turning on slopes.....	73

I

Idle speed adjustment	93
Ignition switch.....	13
Indicator	
Indicator lamp	
Reverse indicator lamp	19
Neutral indicator lamp	19
Inspection, pre-ride.....	32

L

Lubrication	
(see Engine oil)	
Drive chain.....	101

M

Maintenance	
Precautions	78
Schedule	77
Modifications	40

N

Neutral indicator lamp.....	19
-----------------------------	----

O

Obstacles, riding over	74
Oil (see Engine oil)	
Oil filler cap/dipstick	25
Owner's manual compartment	29

P

Parking	76
Parts location	10
Parking brake	22
Adjustment	120
Passenger carrying	42
Pavement, no riding on	44
Pinging	84
Pre-ride inspection	32

R

Rear brake pedal	17
Reverse	
Assist cable	109
Assist lever	109
Gear, shifting into	20, 57
Indicator lamp	19
Riding in reverse	58
Selector knob	21
Rider training course	1, 32

S

Safety messages, special	1
Seat removal and installation	127
Serial numbers	145
Shifting gears	20, 57
Skid plates	128
Skidding	62
Spark arrester	130
Spark knock	84
Spark plug	105
Specifications	140
Stalling on a hill	65, 68
Starter button	16
Storage compartment	29

Storing procedures	137
--------------------------	-----

T

Throttle	
Cable	88
Lever.....	17, 88
Tires	
Inflation and air pressure	123
Repairing.....	126
Specifications	124
Tread condition	125
Tool kit	80
Transporting procedures.....	132
Turning	
On level ground	60
On slopes	73

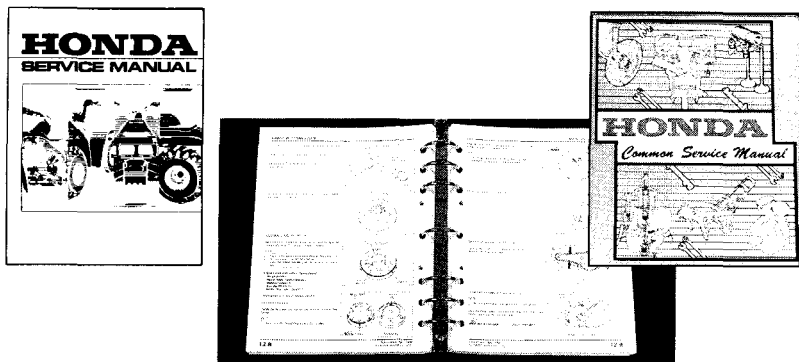
V

Valve clearance	106
-----------------------	-----

W

Warning labels	7
Warranty service.....	144
Water	
Riding through.....	75
Weight limits	35
Wheel removal	122
Wiring diagram	142

SERVICE MANUALS



The Service Manual (Part Number: 61HM303) used by your authorized Honda dealer is available from your dealer's parts department.

Also available, but not necessary to service your model:

- * The Honda Common Service Manual (Part Number: 61CM000) explains the theory of operation and provides basic service information for various systems common to all Honda motorcycles, scooters, ATVs and Pilots.

These Honda manuals are written for the professional technician, but most mechanically-capable owners should find them easy to use if they have the proper tools and observe proper safety standards. Special Honda tools are necessary for some procedures.

▲WARNING

Indicates a strong possibility that serious injury or death may result if instructions are not followed.

HONDA MOTOR CO., LTD.

⚠ WARNING

THIS VEHICLE CAN BE HAZARDOUS TO OPERATE.

A collision or rollover can occur quickly, even during routine maneuvers such as turning and driving on hills or over obstacles, if you fail to take proper precautions.

SEVERE INJURY OR DEATH can result if you do not follow these instructions:

- **BEFORE YOU OPERATE THIS ATV, READ THE OWNER'S MANUAL AND ALL LABELS.**
- **NEVER OPERATE THIS ATV WITHOUT PROPER INSTRUCTION.** Beginners should complete a certified training course.
- **NEVER CARRY A PASSENGER.** You increase your risk of losing control if you carry a passenger.
- **NEVER OPERATE THIS ATV ON PAVED SURFACES.** You increase your risk of losing control if you operate this ATV on pavement.
- **NEVER OPERATE THIS ATV ON PUBLIC ROADS.** You can collide with another vehicle if you operate this ATV on a public road.
- **ALWAYS WEAR AN APPROVED MOTORCYCLE HELMET,** eye protection, and protective clothing.
- **NEVER CONSUME ALCOHOL OR DRUGS** before or while operating this ATV.
- **NEVER OPERATE THIS ATV AT EXCESSIVE SPEEDS.** You increase your risk of losing control if you operate this ATV at speeds too fast for the terrain, visibility conditions, or your experience.
- **NEVER ATTEMPT WHEELIES, JUMPS, OR OTHER STUNTS.**

