



OWNER'S MANUAL

READ THIS MANUAL CAREFULLY,
IT CONTAINS IMPORTANT SAFETY INFORMATION.



MINIMUM RECOMMENDED OPERATOR AGE: 16

04

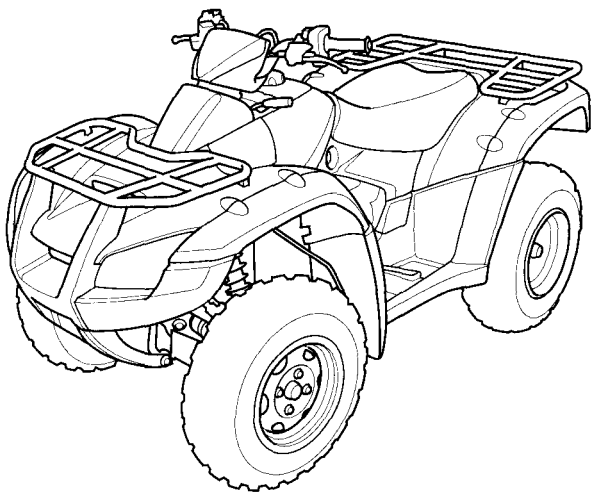
TRX650FA
FourTrax Rincon

This manual should be considered a permanent part of the ATV and should remain with the ATV when it is resold.

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**2004
Honda TRX650FA
Fourtrax Rincon
OWNER'S MANUAL**



FOR OFF-ROAD USE ONLY

This vehicle is designed and manufactured for off-road use only.
USA only:

It does not conform to Federal Motor Vehicle Safety Standards, 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. It conforms to California exhaust emission regulations for ATVs.

Introduction

Congratulations on choosing your Honda ATV.

When you own a Honda, you're part of a worldwide family of satisfied customers — people who appreciate Honda's reputation for building quality into every product.

Your Honda was designed as a recreational ATV for off-road use by one rider only.

Before riding, take time to get acquainted with your ATV and how it works. To protect your investment, we urge you to take responsibility for keeping your ATV well maintained. Scheduled service is a must, of course. But it's just as important to observe the break-in guidelines, and perform all pre-ride and other periodic checks detailed in this manual.

We also recommend that you read this owner's manual before you ride. It's full of facts, instructions, safety information, and helpful tips. To make it easy to use, the manual contains a detailed list of topics at the beginning of each section, and both an in-depth table of contents and an index at the back of the book.

As you read this manual, you will find information that is preceded by a **NOTICE** symbol. This information is intended to help you avoid damage to your Honda, other property, or the environment.

Read the Warranties Booklet (page 223) thoroughly so you understand the coverages that protect your new Honda and are aware of your rights and responsibilities.

Whenever you ride, tread lightly. By staying on established trails and riding only in approved areas, you help protect the environment and keep off-road riding areas open for the future.

Introduction

If you have any questions, or if you ever need special service or repairs, remember that your Honda dealer knows your ATV best and is dedicated to your complete satisfaction.

Please report any change of address or ownership to your Honda dealer so we will be able to contact you concerning important production information.

You may also want to visit our website at www.honda.com.

Happy riding!

California Proposition 65 Warning

WARNING: This product contains or emits chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

A Few Words About Safety

Your safety, and the safety of others, is very important. And operating this ATV safely is an important responsibility.

To help you make informed decisions about safety, we have provided operating procedures and other information on labels and in this manual. This information alerts you to potential hazards that could hurt you or others.

Of course, it is not practical or possible to warn you about all hazards associated with operating or maintaining an ATV. You must use your own good judgment.

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

Safety Labels — on the ATV.

Safety Messages — preceded by a safety alert symbol  and one of three signal words: **DANGER**, **WARNING**, or **CAUTION**.

A Few Words About Safety

These signal words mean:

⚠ DANGER

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

⚠ WARNING

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

⚠ CAUTION

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

Safety Headings — such as Important Safety Reminders or Important Safety Precautions.

Safety Section — such as ATV Safety.

Instructions — how to use this ATV correctly and safely.

This entire manual is filled with important safety information — please read it carefully.

Contents

These pages give an overview of the contents of your owner's manual. The first page of each section lists the topics covered in that section.

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How to start and stop the engine, shift gears, and brake. Also, riding precautions.	

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Why your ATV needs regular maintenance, what you need to know before servicing your Honda, an owner maintenance schedule, and instructions for specific maintenance and adjustment items.	
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ATV Safety

This section presents some of the most important information and recommendations to help you ride your ATV safely. Please take a few moments to read these pages. This section also includes information about the location of safety labels on your ATV.

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Safety Labels.....	5

Important Safety Information

Your ATV can provide many years of service and pleasure — if you take responsibility for your own safety and understand the challenges you can meet while riding.

There is much that you can do to protect yourself when you ride. You'll find many helpful recommendations throughout this manual. The following are a few that we consider most important.

Follow the Age Recommendation

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

Always Wear a Helmet

It's a proven fact: helmets significantly reduce the number and severity of head injuries. So always wear an approved motorcycle helmet. We also recommend that you wear eye protection, sturdy boots, gloves, and other protective gear (page 42).

Never Carry a Passenger

Your ATV is designed for one person only. There are no handholds, footrests, or seat for a second person — so never carry a passenger. A passenger could interfere with your ability to move around to maintain your balance and control of the ATV.

Important Safety Information

Ride Off-Road Only

Your ATV is designed and manufactured for off-road use only. The tires are not made for pavement, and the ATV does not have turn signals and other features required for use on public roads. If you need to cross a paved or public road, get off and walk your ATV across.

Take Time to Learn & Practice

Even if you have ridden other ATVs, take time to become familiar with how this ATV works and handles. Practice in a safe area until you build your skills and get accustomed to the ATV's size and weight.

Because many accidents involve inexperienced or untrained riders, we urge all riders to take a training course approved by the ATV Safety Institute (ASI). See page 44.

Contact an authorized ATV dealer or call 1-800-887-2887 (USA only) to find out about the training courses nearest you.

Be Alert for Off-Road Hazards

The terrain can present a variety of challenges when you ride off-road. Continually “read” the terrain for unexpected turns, drop-offs, rocks, ruts, and other hazards. Always keep your speed low enough to allow time to see and react to hazards.

Important Safety Information

Ride within Your Limits

Pushing limits is another major cause of ATV accidents. Never ride beyond your personal abilities or faster than conditions warrant. Remember that alcohol, drugs, fatigue, and inattention can significantly reduce your ability to make good judgments and ride safely.

Don't Drink and Ride

Alcohol and riding don't mix. Even one drink can reduce your ability to respond to changing conditions, and your reaction time gets worse with every additional drink. So don't drink and ride, and don't let your friends drink and ride either.

Keep Your Honda in Safe Condition

It's important to keep your ATV properly maintained and in safe riding condition. Having a breakdown can be difficult, especially if you are stranded off-road far from your base. To help avoid problems, inspect your ATV before every ride and perform all recommended maintenance.

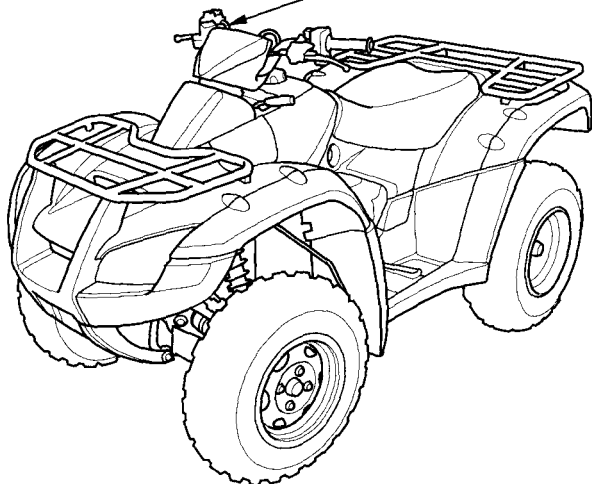
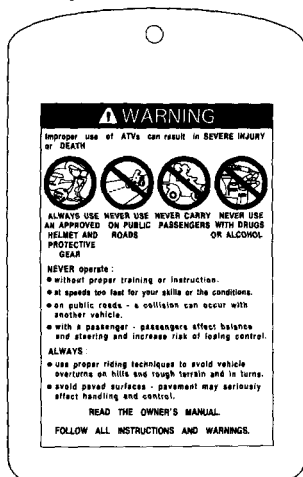
Safety Labels

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

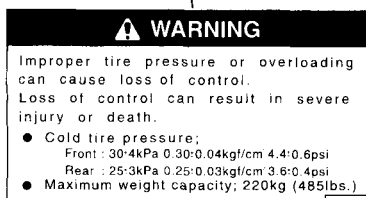
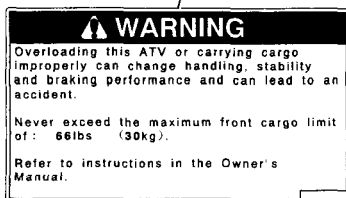
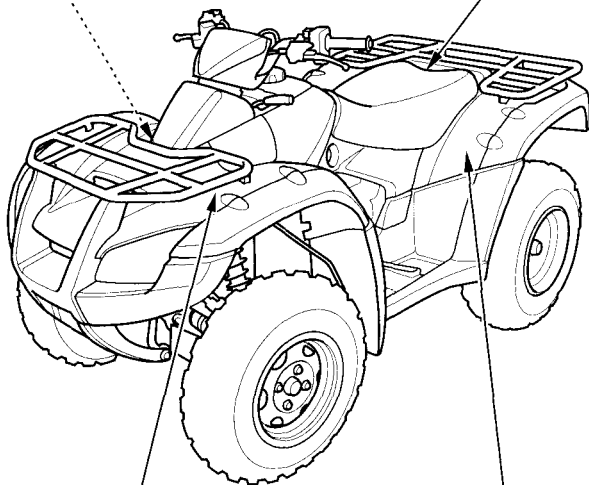
The labels should be considered permanent parts of the vehicle. If a label comes off or becomes hard to read, contact your Honda dealer for replacements.

Safety Labels

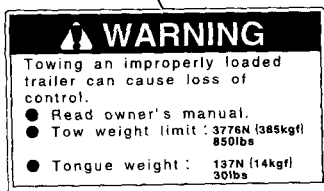
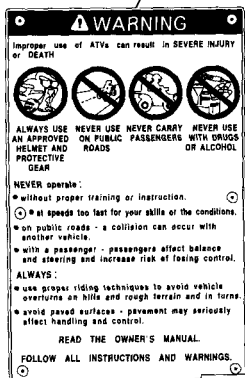
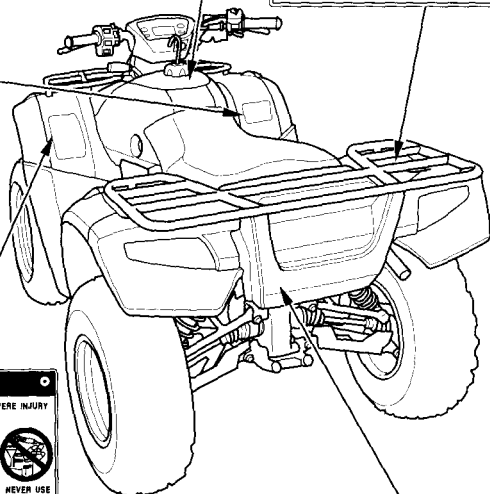
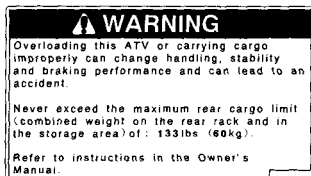
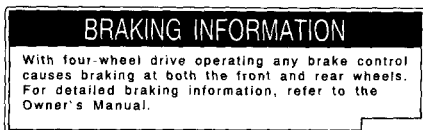
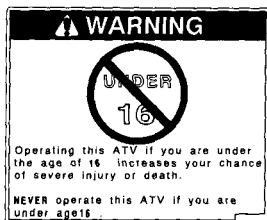
USA only



Safety Labels



Safety Labels



Instruments & Controls

This section shows the location of all indicators and controls you would normally use before or while riding your ATV.

The items listed on this page are described in this section. Instructions for other components are presented in other sections of this manual where they will be most useful.

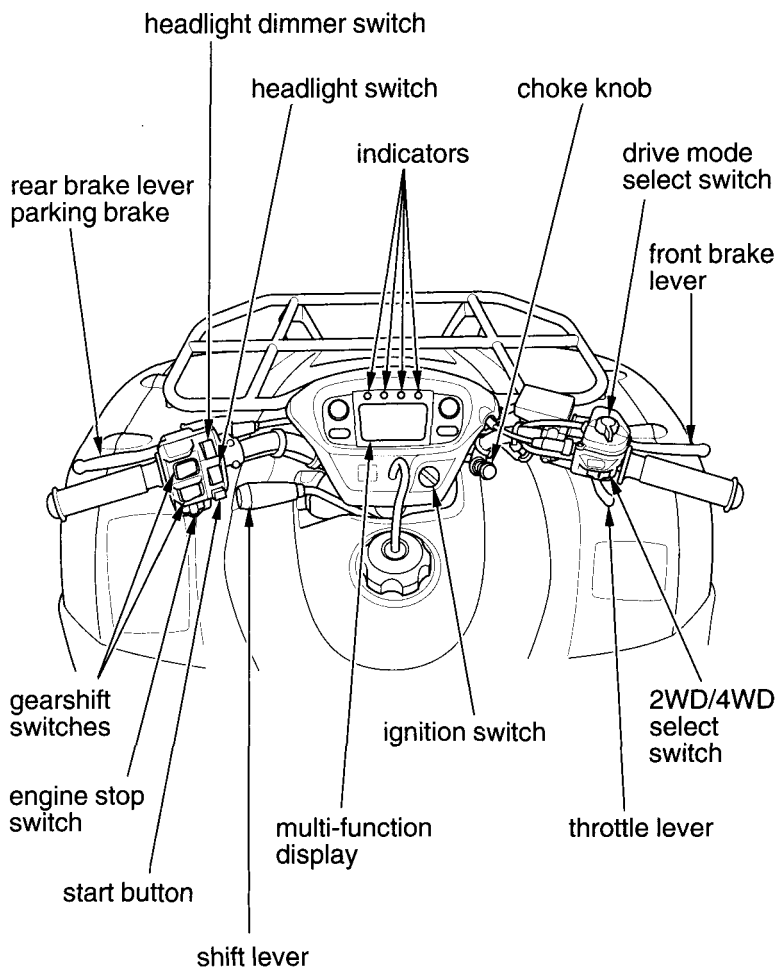
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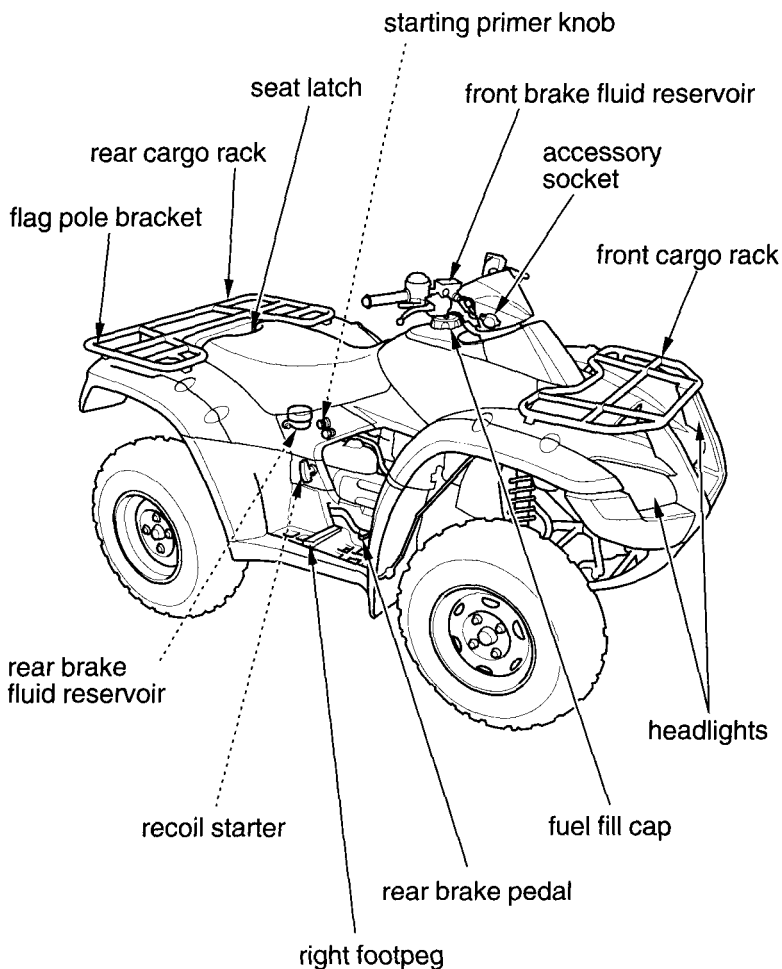
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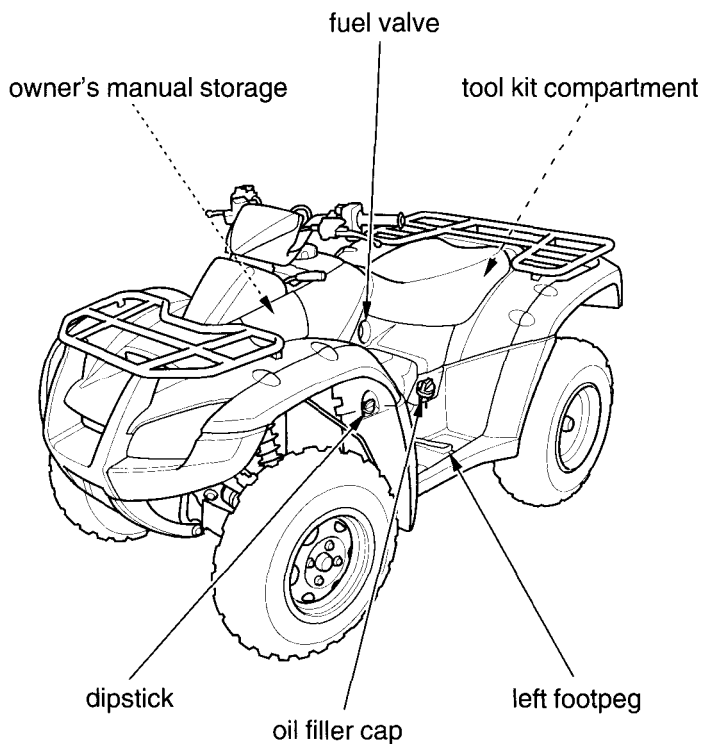
Component Locations



Component Locations

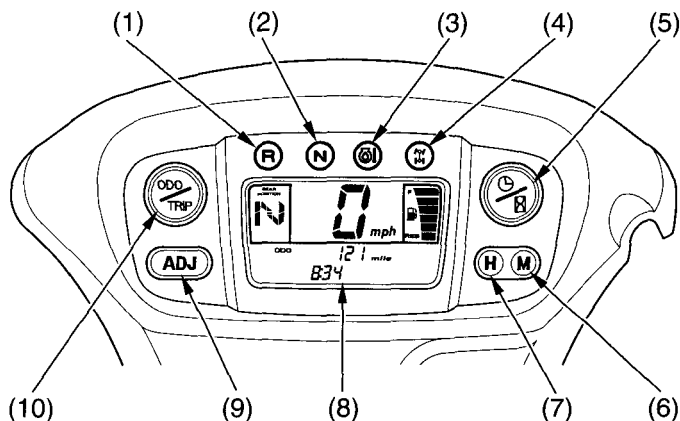


Component Locations



Indicators & Displays

The indicators and displays on your ATV keep you informed, alert you to possible problems, and make your riding safer and more enjoyable. Refer to the indicators frequently. Their functions are described on the following pages.



- | | |
|--|---------------------------------------|
| (1) reverse indicator | (6) minute select button |
| (2) neutral indicator | (7) hour select button |
| (3) oil/coolant high temperature indicator | (8) multi-function display |
| (4) 4WD indicator | (9) adjust button |
| (5) hourmeter/digital clock select button | (10) odometer/tripmeter select button |

Lamp Check

The oil/coolant high temperature indicator comes on when you turn the ignition switch ON so you can check that it is working. The indicator remains on until after the engine is started.

This indicator is identified in the table on page 16 with the words: *Lamp Check*.

Indicators & Displays

When applicable, the reverse and neutral indicators come on when you turn the ignition switch ON and remain on until you shift out of reverse or neutral.

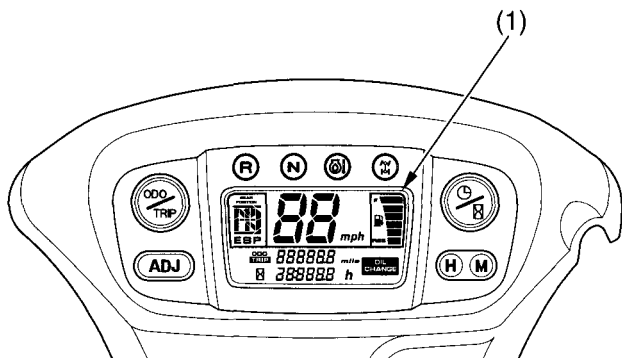
If one of these indicators does not come on when it should, have your Honda dealer check for problems.

Display Check

When the ignition switch is turned ON (I), the multi-function display (1) will temporarily show all the modes and digital segments so you can make sure the liquid crystal display is functioning properly.

The displays are identified in the table on page 16 with the words: *Display Check*.

If any part of these displays does not come on when it should, have your Honda dealer check for problems.



(1) multi-function display

Indicators & Displays

1	Reverse indicator	Lights when the transmission is in reverse. <i>Lamp Check</i>
2	Neutral indicator	Lights when the transmission is in neutral. <i>Lamp Check</i>
3	Oil/coolant high temperature indicator	Lights when engine oil and/or coolant temperature is high enough to adversely affect the service life of the engine. If the oil/coolant high temperature indicator comes on while you are riding, immediately bring the vehicle to a stop, turn the engine off and let it cool. See page 196. <i>Lamp Check</i>
4	4WD indicator	Lights when the drive mode is in the 4WD mode. The 4WD indicator blinks if there is a possible problem with the 2WD/4WD select system. See your Honda dealer as soon as possible. <i>Lamp Check</i> .
5	Hourmeter/digital clock select button	Selects display of the hourmeter or digital clock (pages 23 , 24).
6	Hour select button	Advances the hour displayed by the digital clock (page 24).
7	Minute select button	Advances the minutes displayed by the digital clock (page 24).

Indicators & Displays

8	Multi-function display	The display includes the following functions. <i>Display Check</i> .
	Drive mode indicator	Shows the driving mode (page 19).
	Gear position indicator	Shows the gear position. (page 20)
	Speedometer	Shows riding speed.
	Fuel gauge	Shows approximate fuel supply available (page 25).
	Oil change indicator	Lights when specified maintenance interval for engine oil change is reached (page 21).
	Odometer	Shows accumulated mileage (page 22).
	Tripmeter	Shows mileage per trip (page 22).
	Hourmeter	Shows hours and tenths of hours of engine operation (page 23).
9	Digital clock	Shows the time (hours and minutes) (page 24).
	Adjust button	Used to set the digital clock (page 24).
10	Odometer/tripmeter select button	Selects display of the odometer or tripmeter. Resets the tripmeter to zero (0) (page 22).

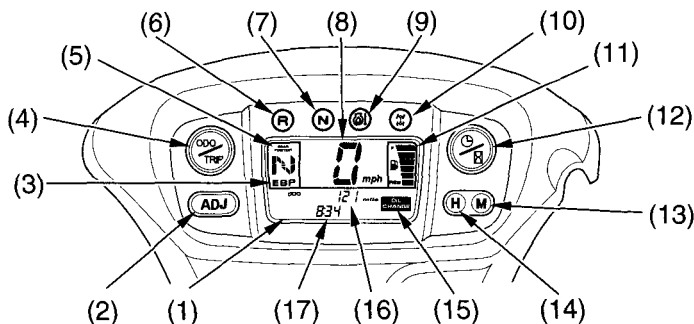
Indicators & Displays

Multi-function Display

The multi-function display (1) includes the following functions:

Drive mode indicator	Tripmeter
Gear position indicator	Digital clock
Oil change indicator	Hourmeter
Speedometer	Fuel gauge
Odometer	

The digital clock will reset if the battery is disconnected.



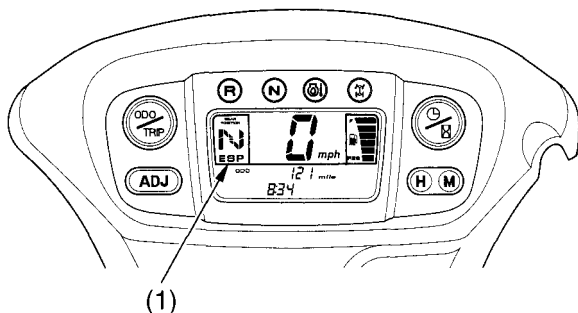
- | | |
|--|--|
| (1) multi-function display | (10) 4WD indicator |
| (2) adjust button | (11) fuel gauge |
| (3) drive mode indicator | (12) hourmeter/digital clock select button |
| (4) odometer/tripmeter select button | (13) minute select button |
| (5) gear position indicator | (14) hour select button |
| (6) reverse indicator | (15) oil change indicator |
| (7) neutral indicator | (16) odometer/tripmeter |
| (8) speedometer | (17) hourmeter/digital clock |
| (9) oil/coolant high temperature indicator | |

Indicators & Displays

Drive Mode Indicator

The drive mode indicator (1) shows the selected drive mode when the ignition switch is in the ON (I) position.

The drive mode indicator (1) displays ESP when the manual shift (ESP) mode is selected. The ESP display vanishes when the automatic shift (AUTO) mode is selected



(1) drive mode indicator

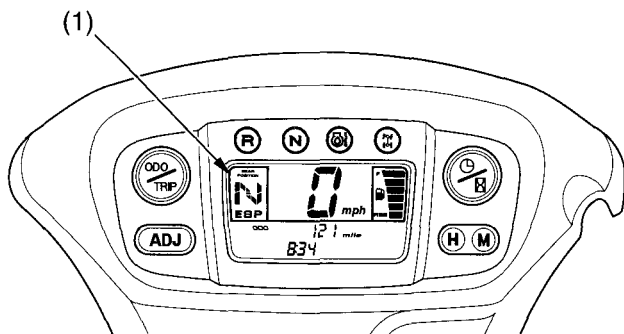
Indicators & Displays

Gear Position Indicator

The gear position indicator (1) shows the gear position when the ignition switch is in the ON (I) position.

The indicator displays: N for neutral, R for reverse, D for drive, and 1 — 3 for the three forward speed positions in the ESP mode.

“- -” will be displayed on the gear position indicator when the transmission is not shifted into gear properly. Before riding, check that the gear position is displayed on the gear position indicator properly.



(1) gear position indicator

Indicators & Displays

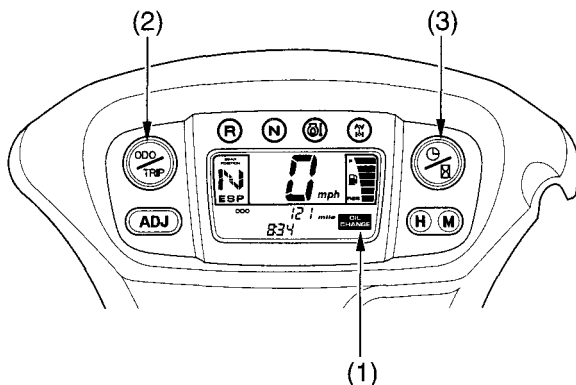
Oil Change Indicator

The oil change indicator (1) appears in the display when the mileage or operating hours on your ATV approaches the oil change interval specified on the maintenance schedule.

Reset the indicator after each oil change.

To reset the indicator, press and hold both the odometer/tripmeter select button (2) and digital clock/hourmeter select button (3) for more than 2 seconds. The indicator will disappear.

If the oil is changed before the oil change indicator appears, be sure to reset the oil change indicator after changing the oil. The indicator will appear for 2 seconds, then disappear. This means the indicator is reset.



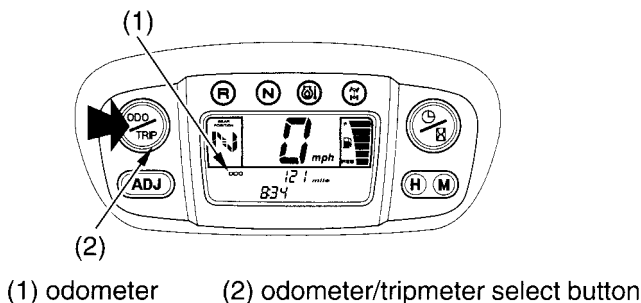
(1) oil change indicator
(2) odometer/tripmeter
select button

(3) digital clock/hourmeter
select button

Indicators & Displays

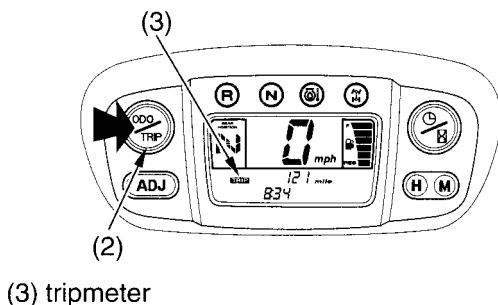
Odometer

When selected, the odometer (1) registers total distance traveled in miles while the ignition is ON (1). To change the display from tripmeter to odometer, press and release the Odometer/Tripmeter select button (2).



Tripmeter

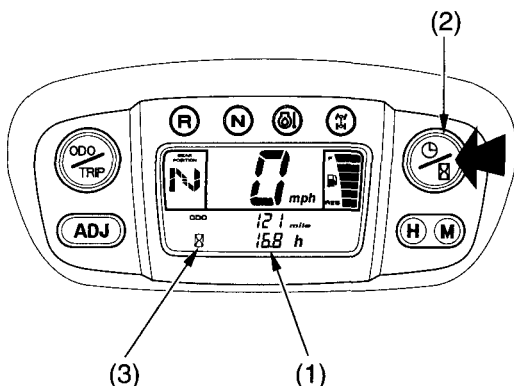
When selected, the tripmeter (3) shows mileage per trip while the ignition is ON (1). To change the display from odometer to tripmeter, press and release the Odometer/Tripmeter select button (2). To reset the tripmeter to zero, press the Odometer/Tripmeter select button and hold it in for at least two seconds.



Indicators & Displays

Hourmeter

When selected, the hourmeter (1) shows accumulated hours while the ignition is ON (1). The hourmeter provides accurate service period information for initial and regular maintenance. To change the display from the digital clock to the hourmeter, press and release the hourmeter/digital clock select button (2). The hourmeter mark (3) will appear.



(1) hourmeter

(3) hourmeter mark

(2) hourmeter/digital clock
select button

Indicators & Displays

Digital Clock

Shows hour and minute while the ignition is ON (I).

To change the display from hourmeter to digital clock, press and release the hourmeter/digital clock select button (1).

To adjust the time, proceed as follows:

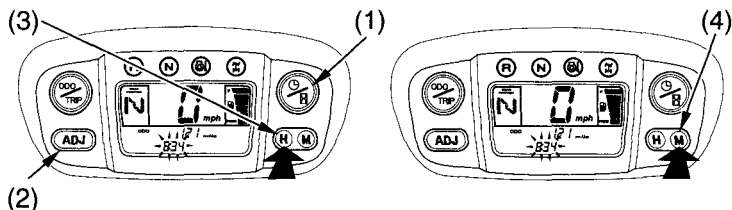
1. Turn the ignition switch ON (I).
2. To select the adjust mode, push the adjust button (2) once.
3. To advance the hour display one unit at a time, press and release the hour select button (3).

To advance the hour display automatically, press and hold the hour select button. After two seconds, the hour display will begin advancing. Release the button when the display reaches the desired hour.

4. To advance the minute display one unit at a time, press and release the minute select button (4).

To advance the minute display automatically, press and hold the minute select button. After two seconds, the minute display will begin advancing. Release the button when the display reaches the desired minute.

5. To zero the minute display, press and hold both the hour and minute buttons simultaneously for two seconds.



- (1) hourmeter/digital clock select button
(2) adjust button

- (3) hour select button
(4) minute select button

Indicators & Displays

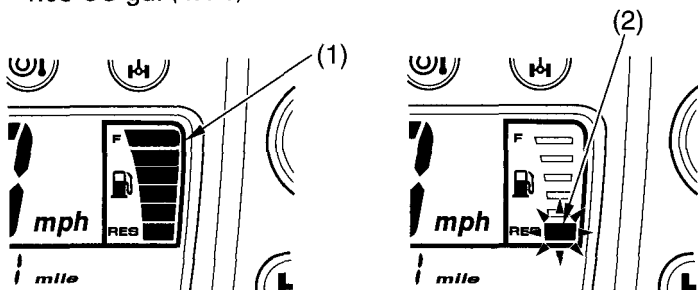
Fuel Gauge

The fuel gauge liquid crystal display (1) shows the approximate fuel supply available. The fuel tank capacity is:

4.49 US gal (17.0 l)

When segment RES (2) flashes, you should refill the tank as soon as possible. The amount of fuel remaining when the flashing starts is approximately:

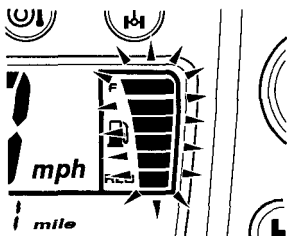
1.08 US gal (4.1 l)



(1) fuel gauge

(2) segment RES

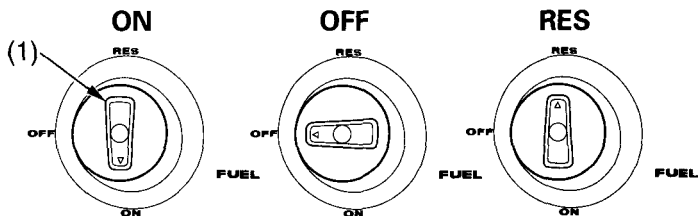
All segments will flash, when the fuel gauge function is fail. See your Honda dealer.



Controls & Features

Fuel Valve

LEFT SIDE



(1) fuel valve

The manual fuel valve is located on the left side under the fuel tank.

The three-way fuel valve is used to control the flow of fuel from the fuel tank to the carburetor.

ON — normal position for riding.

OFF — for parking, storing, or transportation.

RES — for extra fuel to get to a gas supply for refueling.

Reserve Fuel

Remember to check that the fuel valve is in the ON position each time you refuel. If the valve is left in the RES position, you may run out of fuel with no reserve.

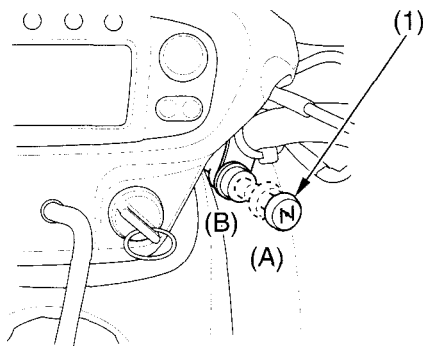
For complete information about fueling your ATV, see page 112.

Controls & Features

Choke Knob



CENTER OF HANDLEBAR



(1) choke knob

(A) fully ON
(B) fully OFF

The choke knob may be used when starting the engine. See page 65 .

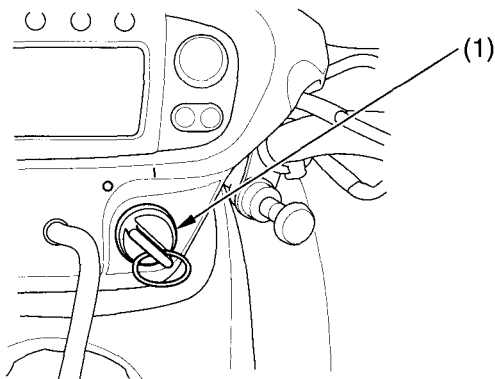
Controls & Features

Ignition Switch

The ignition switch is used for starting and stopping the engine (page 64). Insert the key and turn it to the right for the ON position.

Key Position	Function
ON (I)	Electrical circuits on.
OFF (O)	No electrical circuits function.

CENTER OF HANDLEBAR



(1) ignition switch

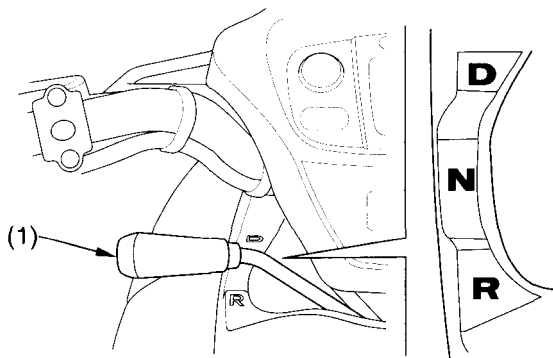
I ON
O OFF

Controls & Features

Shift Lever

The shift lever (1) has three positions: Drive (D), Neutral (N), and Reverse (R).

See *Shifting Gears* (page 70) and *Riding in Reverse* (page 76).

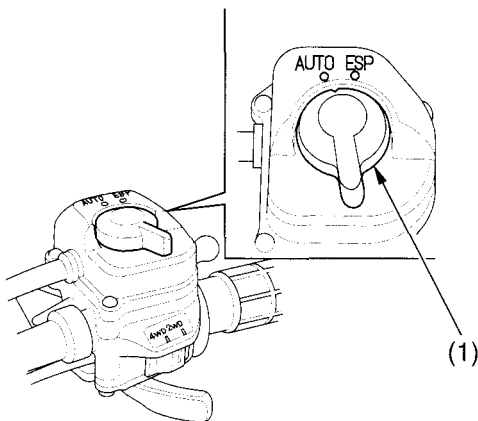


(1) gearshift lever

Controls & Features

Drive Mode Select Switch

The drive mode select switch (1) has two positions, AUTO and ESP. See *Shifting Gears* page 70.



(1) drive mode select switch

Controls & Features

2WD/4WD Select Switch

Your ATV is equipped with a 2WD/4WD select switch, which permits a choice between the “2WD” and “4WD” drive modes. Select a drive mode that’s suitable for your riding.

The 2WD/4WD select switch (1) is located above the throttle lever. To select the drive mode, slide the 2WD/4WD select switch to the desired position.

To check your present drive mode, look at the 4WD indicator (2).

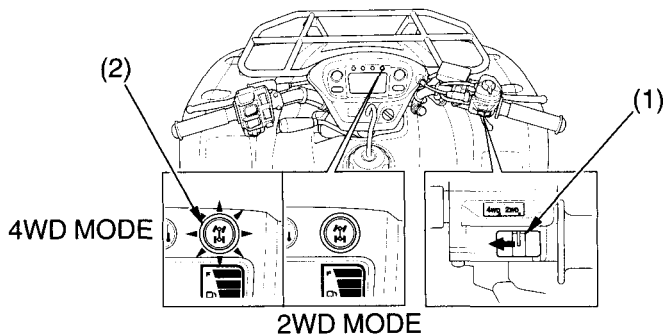
2WD mode : the 4WD indicator goes off.

4WD mode : the 4WD indicator goes on.

4WD can only be engaged while the engine is running.

It remains engaged until the 2WD mode is selected or the engine is stopped.

Upon starting, your ATV will be in the 2WD mode, regardless of the 2WD/4WD select switch position.



(1) 2WD/4WD select switch

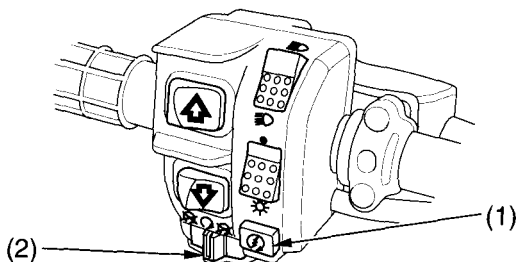
(2) 4WD indicator

Controls & Features

Start Button



LEFT HANDLEBAR



- (1) start button
(2) engine stop switch

- ⓘ START
⊗ OFF
○ RUN

The start button (1) is used for starting the engine. Pushing the button in starts the engine. See *Starting Procedure*, page 65 .

When the start button is pushed, the starter motor will crank the engine. The starter motor will not operate if the engine stop switch is in the OFF position when the start button is pushed.

Engine Stop Switch



The engine stop switch (2) is used to stop the engine in an emergency. To operate, press the switch to either OFF position. The switch must be in the RUN position to start the engine, and it should normally remain in the RUN position even when the engine is OFF.

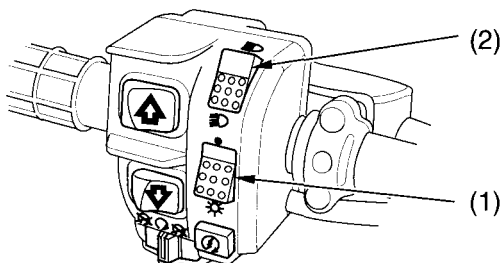
If your ATV is stopped with the ignition switch ON and the engine stop switch OFF, the battery will discharge. Turn the ignition switch OFF to prevent battery discharge.

Controls & Features

Headlight Switch



LEFT HANDLEBAR



(1) headlight switch

(2) headlight dimmer switch

☀ ON
• OFF
≡D HI
≡D LO

The headlight switch (1) is used to turn the headlight ON (☀) or OFF (•). To operate, turn the switch to ON (☀) or OFF (•).

Headlight Dimmer Switch

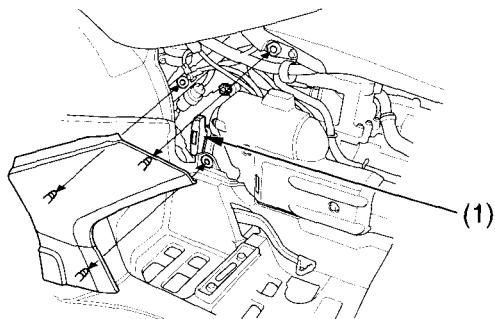


The headlight dimmer switch (2) is used to change between the high and low beams of the headlight. To operate, turn the switch to HI (≡D) for high beam, LO (≡D) for low beam.

Controls & Features

Recoil Starter

RIGHT SIDE

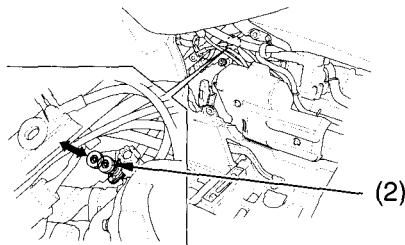


(1) recoil starter

The recoil starter (1) is used to start the engine when the battery is low. See *Using the Recoil Starter*, page 69 .

Starting Primer Knob

RIGHT SIDE

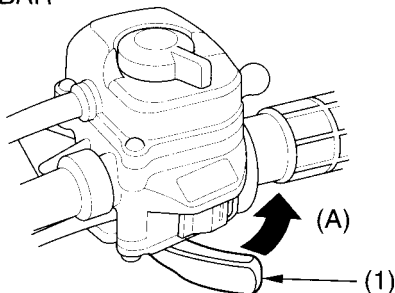


(2) starting primer knob

The starting primer knob (2) is located on the carburetor float bowl. The knob may be used when starting the engine in extremely cold weather (-15°C , 5°F). See *Starting Procedure*, page 65 .

Throttle Lever

RIGHT HANDLEBAR



(1) throttle lever

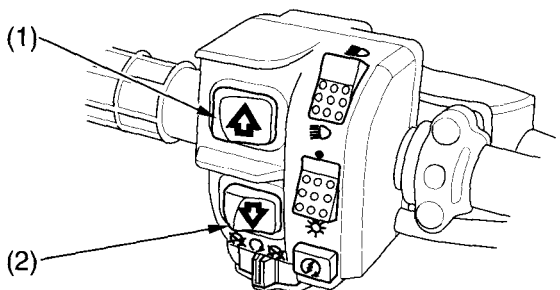
(A) to open the throttle

The throttle controls engine rpm (speed). To increase engine rpm, press the lever (1) with your thumb. To reduce engine rpm, release pressure on the lever. The throttle will automatically return to the closed position (engine idle) when you remove your thumb.

Controls & Features

Gearshift Switch

Two gearshift switches are used in the ESP (manual shift) mode. These switches are used to select the next higher or lower gear in the transmission. To operate, press the upshift switch to engage the next higher gear or press the downshift switch to engage the next lower gear. See *Shifting Gears*, page 70.



(1) upshift switch

(2) downshift switch

Controls & Features

Front Brake Lever

The front brake lever is used to slow or stop your ATV. To operate, pull the lever. For information on braking techniques, see page 80.

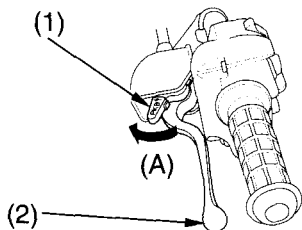
Rear Brake Lever

The rear brake lever is used to slow or stop your ATV. To operate, pull the lever. For information on braking techniques, see page 80.

Rear Brake Pedal

The rear brake pedal is used to slow or stop your ATV. To operate, depress the pedal. For information on braking techniques, see page 80.

Parking Brake



- (1) lock lever
- (2) rear brake lever/
parking lever

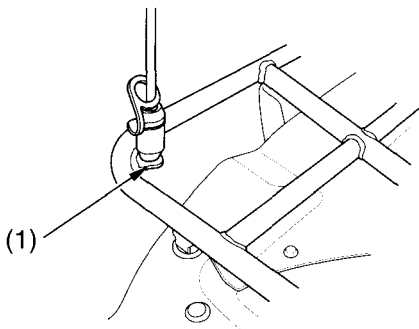
(A) to lock

The lock lever (1) on the rear brake lever (2) allows it to be used as a parking brake. To operate, first squeeze the rear brake lever using your left hand and then lock it with the lock lever using your right hand. See *Parking* page 92.

Controls & Features

Flag Pole Bracket

RIGHT REAR



(1) flag pole bracket

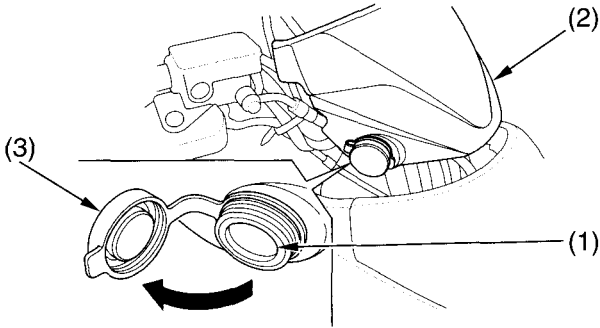
Flag poles are optional equipment available from your Honda dealer. To mount a pole in the bracket (1), follow the instructions that come with the flag pole kit.

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

Controls & Features

Accessory Socket

RIGHT FRONT



(1) accessory socket
(2) meter cover

(3) cap

The accessory socket (1) is attached to the right side of the meter cover (2). You can use the accessory socket to power a trouble light, spotlight, CB radio, or cell phone, etc.

NOTICE

Do not plug in any heat-generating accessory such as an automobile cigarette lighter because it can damage the socket.

To use the accessory socket, turn the ignition switch ON (1) to start the engine. Then turn the headlights OFF, and open the accessory socket cap (3).

(cont'd)

Controls & Features

Be sure the engine is on and the headlights are turned off before using the accessory socket, otherwise you may drain the battery.

The accessory socket's rated capacity is DC 12V, 120 Watts (10A) or less. If you exceed this limit, you may blow a fuse. See *If a Fuse Blows*, page 199 .

When you are done using an accessory, unplug it, and cover the socket with the cap.

Be careful not to flood this accessory socket when washing your ATV.

Before Riding

Before each ride, you need to make sure you and your Honda are both ready to ride. To help get you prepared, this section discusses how to evaluate your riding readiness, what items you should check on your ATV, and adjustments to make for your comfort, convenience, or safety. This section also includes important information about loading.

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Are You Ready to Ride?

Before you ride your ATV for the first time, we urge you to:

- Read this owner's manual and the labels on your ATV carefully.
- Make sure you understand all the safety messages.
- Know how to operate all the controls.

Before each ride, be sure:

- You feel well and are in good physical and mental condition.
- You are wearing an approved motorcycle helmet (with chin strap tightened securely), eye protection, and other protective clothing.
- You don't have any alcohol or drugs in your system.

Protective Apparel

For your safety, we strongly recommend that you always wear an approved motorcycle helmet, eye protection, boots, gloves, long pants, and a long-sleeved shirt or jacket whenever you ride.

Although complete protection is not possible, wearing proper gear can reduce the chance of injury when you ride.

Following are suggestions to help you choose the proper gear.

Helmets and Eye Protection

Your helmet is your most important piece of riding gear because it offers the best protection against head injuries. A helmet should fit your head comfortably and securely.

Are You Ready to Ride?

An open-face helmet offers some protection, but a full-face helmet offers more. Regardless of the style, look for a DOT (Department of Transportation) sticker in any helmet you buy (USA only). Always wear a face shield or goggles to protect your eyes and help your vision.

WARNING

Operating this ATV without wearing an approved motorcycle helmet, eye protection, and protective clothing could increase your chances of severe injury or death in the event of an accident.

Always wear an approved motorcycle helmet that fits properly and wear eye protection (goggles or face shield), gloves, boots, long-sleeved shirt or jacket and long pants.

Additional Riding Gear

In addition to a helmet and eye protection, we also recommend:

- Sturdy off-road motorcycle boots to help protect your feet, ankles, and lower legs.
- Off-road motorcycle gloves to help protect your hands.
- Riding pants with knee and hip pads, a riding jersey with padded elbows, and a chest/shoulder protector.

Are You Ready to Ride?

Rider Training

Developing your riding skills is an on-going process. Even if you have ridden other ATVs, take time to become familiar with how this ATV works and handles. Practice riding the ATV in a safe area to build your skills. Do not ride in rough terrain until you get accustomed to the ATV's controls, and feel comfortable with its size and weight.

We urge all riders to take a certified course approved by the ATV Safety Institute (ASI). For information about the ASI training course nearest you, call the national toll-free number; (800) 887-2887 (USA only).

Other riding tips can be found in the *Tips & Practice Guide for the ATV Rider* booklet that came with your ATV (USA only).

WARNING

Operating this ATV without proper instruction could increase your risk of an accident which could lead to serious injury or death.

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 the owner's manual.

Are You Ready to Ride?

Age Recommendation

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

WARNING

A child using an ATV that is not recommended for their age could lose vehicle control while riding, resulting in severe injury or death.

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

No Passengers

This ATV is designed as an operator-only vehicle. The long seat is designed to allow the rider to change body position, not for carrying a passenger. Never let a passenger ride on the seat or on the front or rear cargo racks.

WARNING

Carrying a passenger on this ATV greatly reduces your ability to balance and control this ATV and could cause a crash and you or your passenger could be injured or killed.

Never carry a passenger on this ATV.

Are You Ready to Ride?

No Alcohol or Drugs

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

WARNING

Operating this ATV after consuming alcohol or drugs can seriously affect your judgement, cause you to react more slowly, affect your balance and perception, and result in serious injury or death.

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

Is Your ATV Ready to Ride?

Before each ride, it's important to inspect your ATV and make sure any problem you find is corrected. A pre-ride inspection is a must, not only for safety, but because having a breakdown, or even a flat tire, can be a major inconvenience.

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

WARNING

Improperly maintaining this ATV or failing to correct a problem before riding can cause a crash in which you can be seriously hurt or killed.

Always perform a pre-ride inspection before every ride and correct any problems.

Pre-ride Inspection

Check the following items before you get on the ATV:

<i>Engine Oil</i>	Check the level and add oil if needed (page 115). Check for leaks.
<i>Radiator Coolant</i>	Check the coolant level and add coolant if needed (page 125). Check for leaks.

(cont'd)

Is Your ATV Ready to Ride?

<i>Fuel</i>	Check the level and add fuel (page 110) if needed. Also make sure the fuel fill cap is securely fastened. Check for leaks.
<i>Tires</i>	Use a gauge to check the air pressure. Adjust if needed. Also look for signs of damage or excessive wear (page 158).
<i>Driveshaft Boots</i>	Check for damage (page 163).
<i>Nuts & Bolts</i>	Check the wheels to see that the axle nuts are tightened. Use a wrench to make sure all accessible nuts, bolts, and fasteners are tight.
<i>Underbody & Exhaust System</i>	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.
<i>Air Cleaner Housing Drain Tube</i>	Check for deposits in the drain tube. If necessary, clean the tube (page 133) and check the air cleaner housing.
<i>Leaks, Loose Parts</i>	Walk around your ATV and look for anything that appears unusual, such as a leak or loose cable.
<i>Cable</i>	Check the cable housings for wear. Check the fittings for looseness. Replace or tighten as needed.
<i>Lights</i>	Make sure the headlight, brake light and tail light are working properly.

Is Your ATV Ready to Ride?

If you are carrying cargo, also check the following:

Loading Limits Make sure you do not exceed the load limits (page 51).

Cargo Check that all cargo is secure.

Check these items after you get on the ATV:

Throttle Check the freeplay and adjust if needed. Press the throttle to make sure it moves smoothly without sticking, and snaps shut automatically when it is released, in all steering positions (page 134).

Brakes Squeeze the front and rear brake levers and step on the rear brake pedal to check that the controls operate normally. Depress the rear brake pedal several times, then check for proper brake lever freeplay (page 147, 151). Make sure there is no brake fluid leakage.

*Headlight and
Headlight Dimmer
Switch* Check for proper function (page 33).

*Engine Stop
Switch* Check for proper function (page 32).

Steering Check that the wheels turn properly as you steer the handlebar.

Load Limits & Guidelines

Your Honda was designed as a rider-only ATV. It was not designed to carry a passenger. It can carry cargo on the cargo racks, however, carrying cargo anywhere else or carrying a passenger could interfere with your balance and control of the ATV.

In addition, exceeding the weight limits or carrying an unbalanced load can seriously affect your ATV's handling, braking, and stability. Adding accessories or making modifications that change this ATV's design and performance can also make it unsafe. Also, the weight of any accessories will reduce the maximum load the ATV can carry.

More specific information on load limits, accessories, and modifications follows.

Loading

How much weight you put on your ATV, and how you load it, are important to your safety. If you decide to carry cargo, you should be aware of the following information.

WARNING

Overloading, improper loading, or carrying a passenger can cause a crash and you can be seriously hurt or killed.

Follow all load limits and other loading guidelines in this manual.

Load Limits & Guidelines

Cargo and Trailer Information

The ATV was designed to carry you and a specific amount of cargo. The ATV can be used to tow a trailer and a specific amount of cargo with the installation of Honda Trailer Hitch.

The Hondaline Trailer Hitch Kit contains specific information regarding trailer towing with the ATV. Towing a trailer without reading this information is not recommended.

Cargo and/or the addition of a trailer will affect the acceleration, braking and handling of the ATV. Do not exceed the recommended limits listed below. Follow the guidelines (page 53).

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

Load Limits & Guidelines

Following are the load limits for your ATV:

maximum weight capacity	485 lbs (220 kg)
(includes the weight of the rider, all cargo, and accessories.)	
front cargo rack weight limit	= 66 lbs (30 kg)
rear cargo rack weight limit	= 133 lbs (60 kg)
tow weight limit	= 850 lbs {385 kgf}
(Combined weight of the trailer and all cargo in the trailer)	(3776 N)
tongue weight	= 30 lbs {14 kgf}
(Weight on the trailer tongue)	(137 N) recommended
tongue and rear cargo weight	= 133 lbs (60 kg)
(Combined weight on the trailer tongue and on the rear cargo rack)	

Tongue weight can be measured with an ordinary bathroom scale. Place the scale under the tongue, using either a tongue jack or other support to keep the trailer level.

The weight of added accessories will reduce the maximum cargo weight you can carry.

Load Limits & Guidelines

Loading Guidelines

Carrying cargo or pulling a trailer will affect how your ATV 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:

- Check that the tires are properly inflated.
- Do not place cargo anywhere on the ATV other than on the front and rear racks. Otherwise, operating stability may be adversely affected.
- Never ride with a passenger on the front or rear cargo racks. The ATV is not designed to carry a passenger.
- Use the trailer hitch to tow another vehicle or trailer. Do not tow by tying a rope or cable to the rear rack.
- Load cargo on the rear rack as far forward as possible. Make sure cargo on the front rack does not interfere with handlebar movement.
- Do not allow cargo to extend beyond the edges of either the front or rear racks.
- Make sure all cargo is secured before riding.
- Balance cargo weight evenly on both sides.
- Never exceed the maximum weight limit.
- When towing a trailer, take care to maintain balance and stability. Distribute cargo between the front and rear of the trailer to obtain the recommended tongue weight.
- When the towing a trailer, select the ESP mode (page 70). And choose the 1st shift position.
- Allow extra room for starting, stopping and turning whenever you carry cargo or pull a trailer.
- Avoid riding on steep slopes when carrying cargo or pulling a trailer.
- Never cross a slope when towing a trailer.

Accessories & Modifications

Modifying your ATV or using non-Honda accessories can make your ATV unsafe.

Before you consider making any modifications or adding an accessory, be sure to read the following information.

WARNING

Improper accessories or modifications can cause a crash in which you can be seriously hurt or killed.

Follow all instructions in this owner's manual regarding accessories and modifications.

Accessories

We strongly recommend that you use only genuine Honda accessories that have been specifically designed and tested for your ATV. Because Honda cannot test all other accessories, you must be personally responsible for proper selection, installation, and use of non-Honda accessories.

Check with your Honda dealer for assistance and always follow these guidelines:

- Make sure the accessory does not obscure any lights, reduce ground clearance, limit suspension travel or steering travel, or interfere with operating any controls.
- Make sure the accessory does not interfere with your ability to shift body position on the seat or operate hand and foot controls.
- Do not add any electrical equipment that will exceed the vehicle's electrical system capacity (page 211). A blown fuse can cause a loss of lights or engine power (page 199).

Accessories & Modifications

Modifications

We strongly advise you not to remove any original equipment or modify your ATV in any way that would change its design or operation. Such changes could seriously impair your ATV's handling, stability, and braking, making it unsafe to ride.

We also advise you not to make any modifications or remove any equipment (such as the USDA qualified spark arrester or emission control system components) that would make your ATV illegal in your area.

Removing or modifying your lights, exhaust system, emission control system, or other equipment can also make your ATV illegal.

Basic Operation & Riding

This section gives basic riding instructions, including how to start and stop your engine, and how to use the throttle and brakes. It also provides important information on riding with cargo.

To protect your new engine and enjoy optimum performance and service life, refer to Break-in Guidelines (page 212).

For information about carburetor adjustment for riding at high altitude, see page 213 .

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Basic Operation & Riding

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Safe Riding Precautions

Before riding your ATV for the first time, please review the *ATV Safety* section beginning on page 1, and the *Before Riding* section beginning on page 41.

Even if you have ridden other ATVs, take time to become familiar with how this ATV works and handles. Practice in a safe area until you build your skills and get accustomed to the ATV's size and weight.

Off-Road Use Only

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

WARNING

Operating this ATV on paved surfaces may seriously affect handling and control of the ATV, and may cause the vehicle to go out of control.

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

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.

(cont'd)

Safe Riding Precautions

You should never ride your ATV 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. In many states it is illegal to operate ATVs on public streets, roads and highways.

WARNING

Operating this ATV on public streets, roads or highways could cause you to collide with another vehicle.

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

Keep Hands and Feet on Controls

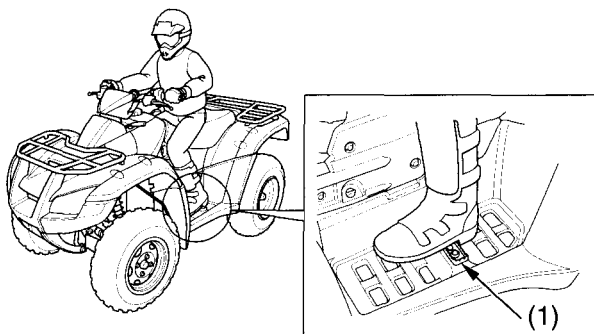
Always keep both hands on the handlebars and both feet on the footpegs when riding your ATV. This is important to maintain your balance and to control the vehicle. Removing even one hand from the handlebars or one foot from the footpegs can reduce your ability to control the ATV or could cause you to lose your balance and fall off the ATV.

WARNING

Removing hands from handlebars or feet from footpegs during operation can reduce your ability to control the ATV or could cause you to lose your balance and fall off of the ATV.

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

Safe Riding Precautions



(1) footpeg

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

Operating this ATV at excessive speeds increases your chances of losing control of the ATV, which can result in an accident.

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

Safe Riding Precautions

Use Care on Unfamiliar or Rough 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 like hidden rocks, bumps, or holes in time to react.)

WARNING

Failure to use extra care when operating this ATV on unfamiliar terrain could result in the ATV overturning or going out of control.

Go slowly and be extra careful when operating on unfamiliar terrain. Always be alert to changing terrain conditions when operating the ATV.

Safe Riding Precautions

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

WARNING

Failure to use extra care when operating on excessively rough, slippery or loose terrain could cause loss of traction or vehicle control, which could result in an accident, including an overturn.

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.

Do Not Perform Stunts

You should always operate your ATV in a safe and reasonable manner. When riding, always keep all four wheels on the ground.

WARNING

Attempting wheelies, jumps, and other stunts increases the chance of an accident, including an overturn.

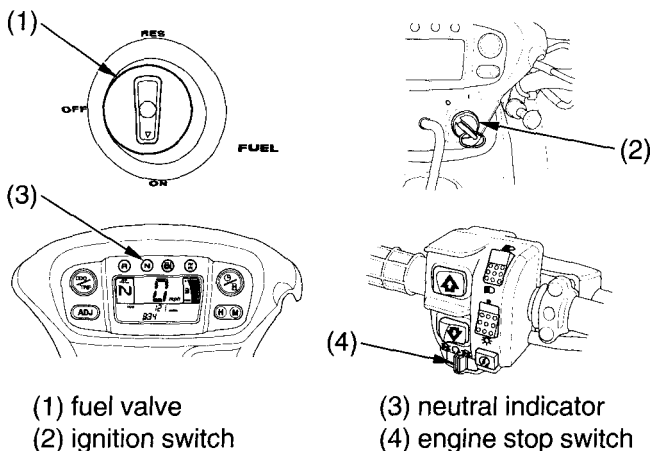
Never attempt stunts, such as wheelies or jumps. Don't try to show off.

Starting & Stopping the Engine

Always follow the proper starting procedure described below.

For your safety, avoid starting or operating the engine in an enclosed area such as a garage. Your ATV's exhaust contains poisonous carbon monoxide gas which can collect rapidly in an enclosed area and cause illness or death.

Preparation



1. Before starting, select a level surface and lock the parking brake (page 37).
2. Turn the fuel valve (1) and ignition switch (2) to ON (|).

Confirm the following:

- The transmission is in NEUTRAL (neutral indicator (3) light ON).
- The engine stop switch (4) is set to RUN (○).

The oil/coolant high temperature indicator should go off a few seconds after the engine starts.

Starting & Stopping the Engine

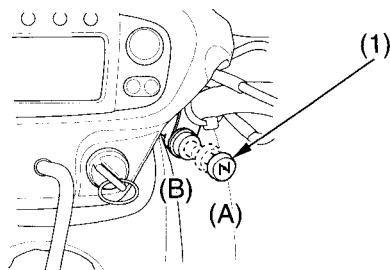
Starting Procedure

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

The starter motor will operate only when the transmission is in neutral.

Normal Air Temperature 10° – 35°C (50° – 95°F)

CENTER OF HANDLEBAR



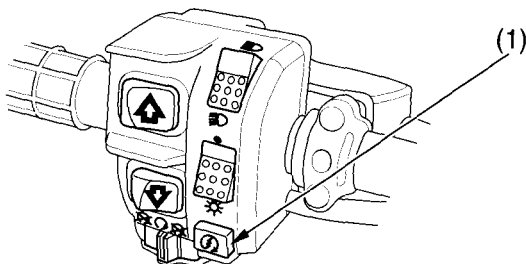
(1) choke knob

1. Move the choke lever (1) left to the fully ON (A) position, if the engine is cold.
2. With the throttle closed, press the starter button.
 - 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.
3. Immediately after the engine starts, operate the choke knob to keep fast idle.
4. Continue warming up the engine until it runs smoothly and responds to the throttle with the choke knob in the fully OFF (B) position.
5. If idling is unstable, open the throttle slightly.

Starting & Stopping the Engine

High Air Temperature 35°C (95°F) or above

LEFT HANDLEBAR



(1) start button

1. Do not use the choke.
2. With the throttle slightly open, press the starter button (1).

Low Air Temperature 10°C (50°F) or below

Follow the procedure for “Normal Air Temperature.”

When air temperature is below -15°C (5°F), push the starting primer knob two or three times (page 34).

NOTICE

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.

Starting & Stopping the Engine

Flooded Engine

If the engine fails to start after repeated attempts, it may be flooded with excess fuel. To clear a flooded engine:

1. Leave the engine stop switch set to RUN ().
2. Push the choke knob down all the way to fully OFF.
3. Open the throttle fully.
4. Press the start button for 5 seconds (or operate the recoil starter several times).
5. If the engine starts, quickly close the throttle, then open it slightly if idling is unstable.

If the engine does not start, wait 10 seconds, then follow the *High Air Temperature* procedure (page 66).

If the engine still won't start, refer to *If Your Engine Quits or Won't Start*, page 188 .

Stalled Engine

If the engine stalls, shift into Neutral (N) and restart the engine.

If you are unable to shift to Neutral (N) from Drive (D), you can restart the engine by squeezing the front brake lever and pressing the starter button while the vehicle is stopped.

Do not press the throttle while starting in gear. Your ATV is equipped with a start inhibitor system that will cut off the ignition if the throttle is open while attempting to start in gear.

Once you have started the engine, release the front brake lever, then apply throttle gradually.

Starting & Stopping the Engine

How to Stop the Engine

Normal Engine Stop

To stop the engine, make sure the transmission is in neutral by checking that the neutral indicator lights, and turn the ignition switch OFF.

The engine stop switch should normally remain in the RUN () position even when the engine is OFF.

If your ATV is stopped with the engine stop switch OFF () and the ignition switch ON, the battery will discharge.

Emergency Engine Stop

To stop the engine in an emergency, use the engine stop switch. To operate, move the switch to either OFF position.

Starting & Stopping the Engine

Using the Recoil Starter

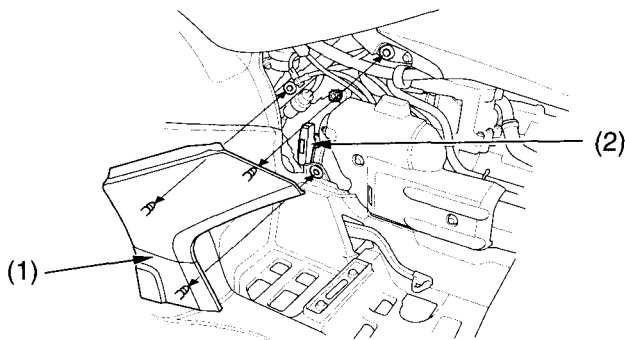
The recoil starter is used to start the engine when the battery is low.

To operate the recoil starter:

1. Unsnap and remove the right side cover (1).
2. Grasp the starter grip (2) firmly, then pull it out slowly approximately 4 in (100 mm).
3. Pull the grip up briskly and fully.
4. After the engine starts, allow the starter grip to return slowly.

If the starter grip does not return smoothly (because of dirt in the assembly), see your Honda dealer.

RIGHT SIDE



(1) right side cover

(2) recoil starter grip

Shifting Gears

Your ATV has three shift lever positions: Neutral (N), Drive (D), and Reverse (R).

Neutral (N)

Use neutral when you start the engine, or if it is necessary to stop briefly with the engine idling.

Drive (D)

Use this position for normal riding. The following two modes can be selected in the Drive (D) position; Automatic shift (AUTO) mode and Manual shift (ESP) mode.

You can select the desired mode with the drive mode select switch (page 30).

Automatic shift (AUTO) mode:

Use this mode for everyday riding. The transmission automatically adjusts to keep the engine at the best speed for riding conditions.

The gear position indicator shows “D” and the drive mode indicator disappears.

Manual shift (ESP) mode:

In this mode, you can shift gears much like a manual transmission, but without operating a clutch.

You can select three forward shift positions by operating the shift switches; 1, 2, and 3.

The gear position indicator shows the selected position and the drive mode indicator shows “ESP.”

When you tow a trailer, select the 1st shift position for proper performance.

Reverse (R)

Use this position to ride in reverse.

Shifting Gears

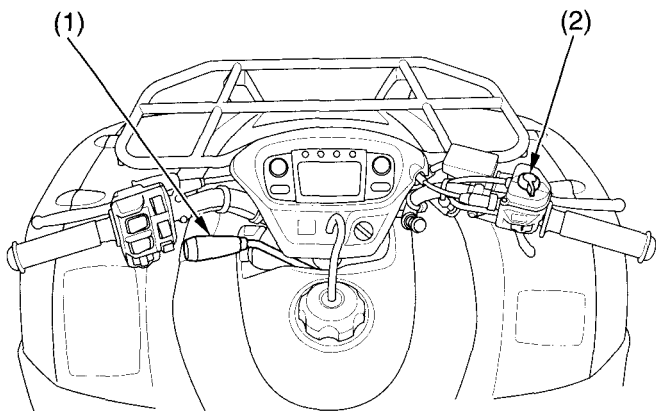
The shift lever (1) is located on the left side of the fuel tank
To shift the shift lever, bring the ATV to a complete stop.

NOTICE

If the shift lever is moved while the vehicle is moving, the transmission may be damaged.

The drive mode select switch (2) is located on the right handlebar switches.

To select the drive mode, operate the drive mode select switch.
With the throttle fully closed, the drive mode can be changed during running.



(1) shift lever

(2) drive mode select
switch

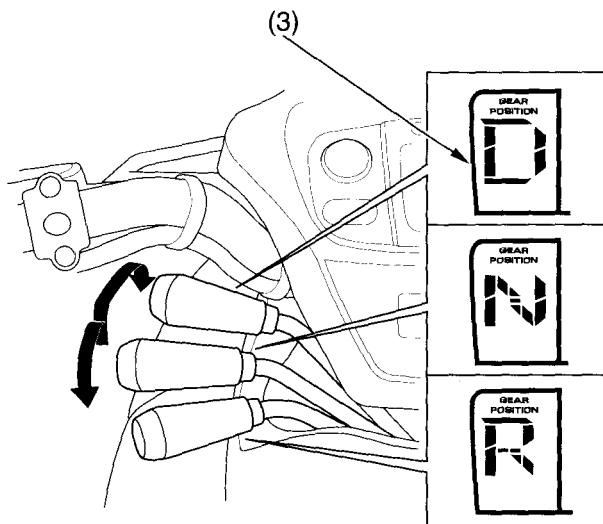
Shifting Gears

AUTO Mode

When the drive mode is at AUTO, shifting the lever to “D” (Drive) provides a 3-speed automatic transmission.

1. While pulling up the shift lever (1), shift to “D.”
2. Pull down the shift lever and confirm that the lever is locked and the gear position indicator (3) is showing “D.”

Shifting to “N” (Neutral) or “R” (Reverse) is in the same manner as above. For reverse, refer to the *Riding In Reverse* (page 78).



(3) gear position indicator

Shifting Gears

ESP Mode

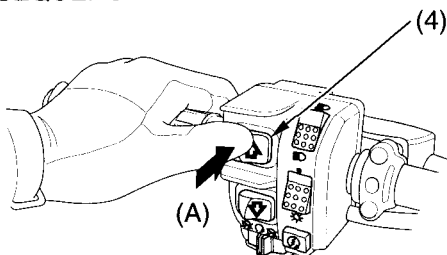
With the drive mode set at ESP, shifting the lever to “D” allows manual shifting from 1st to 3rd using the gearshift switches.

Two gearshift switches are located next to the left handlebar grip: upshift (⬆) and downshift (⬇).

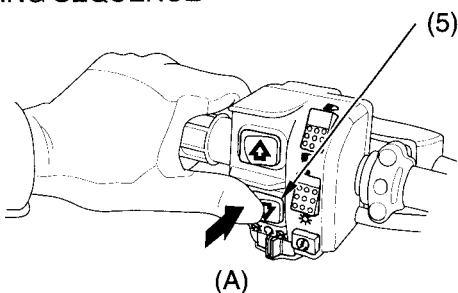
To upshift the transmission, press the upshift switch (4) once.

To downshift the transmission, press the downshift switch (5) once.

UPSHIFTING SEQUENCE



DOWNSHIFTING SEQUENCE



(4) upshift switch

(5) downshift switch

(A) push

Shifting Gears

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

1. Bring your ATV to a complete stop, select the ESP mode and shift the shift lever into the “D” position.

NOTICE

If the shift lever is moved while the vehicle is moving, the transmission may be damaged.

2. Release the parking brake, but continue squeezing the rear brake lever.
3. Release the rear brake lever and increase engine speed by gradually opening the throttle.
4. When speed increases, release the throttle and upshift to 2nd position by pressing the upshift switch once.
5. Repeat this sequence to progressively upshift to 3rd (top) position.
6. To downshift, press the downshift switch once. Remember to close the throttle each time you shift to the next lower position.

Learning when to shift gears in ESP (manual shift) mode comes with experience. Keep the following tips in mind:

- As a general rule, shift while moving in a straight line.
- Close the throttle completely before shifting. Improper shifting may damage the engine, transmission, and drive train.
- Upshift to a higher gear or reduce throttle before engine rpm (speed) gets too high. Learn the relationship between engine sound and the normal shifting points.
- Downshift to a lower gear before you feel the engine laboring (lugging) at low rpm.
- Avoid downshifting to help slow your ATV when engine rpm is high. Downshifting when engine speed is near its allowable maximum may over-rev the engine and cause possible damage.

Shifting Gears

- To prevent transmission damage, do not coast or tow the ATV for long distances with the engine off.
- Ride in the highest gear that lets the engine run and accelerate smoothly. This will give you good fuel economy and effective emissions control.

Riding in Reverse

If you need to ride in reverse, make sure the area behind you is clear and only operate the ATV at low speed.

WARNING

Improperly operating in reverse could cause you to hit an obstacle or person behind you, resulting in serious injury.

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

1. Bring the vehicle to a complete stop, then make sure the transmission is in neutral.
2. Depress and hold down the brake pedal.
3. Be sure there are no obstacles or people in the way.
4. Shift the shift lever into “R” (Reverse) gear.

NOTICE

If the shift lever is moved while the vehicle is moving, the transmission may be damaged.

5. Release the rear brake pedal.
6. Open the throttle gradually and ride slowly. Do not open the throttle suddenly or make abrupt turns.

Riding in Reverse

7. To stop, close the throttle and gradually apply both the front and rear brakes. Do not abruptly apply the rear brake by itself.
8. To shift out of reverse and into neutral, shift the shift lever into “N” (Neutral) gear.

WARNING

Applying only the rear brake abruptly when operating in reverse gear could cause the front wheels to lift off the ground and the ATV could overturn backwards.

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

Braking

Your ATV is equipped with drum brakes on both front wheels which are hydraulically activated by operating the right brake lever. A single disk brake of the rear drive train is hydraulically activated by depressing the brake pedal and mechanically activated by operating the left brake lever.

Although the front and rear brakes have separate controls, all four wheels are interconnected when your ATV is in the 4WD mode. So operating any brake control in the 4WD mode will cause braking at both the front and rear wheels.

As a general rule, the front braking system provides about 70 percent of total stopping power.

For full braking effectiveness, use both the pedal and lever simultaneously. Using both braking systems will stop your ATV faster with greater stability.

To slow or stop, apply the brake lever and brake pedal smoothly, while downshifting to match your speed when your ATV is in the ESP mode.

Gradually increase braking as you feel the brakes slowing your speed. The increase in engine compression from downshifting will help slow your vehicle when your ATV is in the ESP mode.

Applying the brakes too hard may cause the wheels to lock and slide, reducing control of your ATV. If this happens, release the brake controls, steer straight ahead until you regain control, then reapply the brakes more gently.

When possible, reduce your speed or complete braking before entering a turn. Avoid braking or closing the throttle quickly while turning. Either action may cause one or more wheels to slip and reduce your control of your ATV.

Your ability to brake in a turn and to brake hard in an emergency situation are important riding skills.

When descending a long, steep grade, use engine compression braking by downshifting (in the ESP mode), with intermittent use of both brakes. Continuous brake application can overheat the brakes and reduce their effectiveness.

Riding with your foot resting on the brake pedal or your hands on the brake levers may overheat the brakes, reducing effectiveness.

For information on how to apply the brakes in various riding situations, see the following section, *Riding Your ATV*.

Riding Your ATV

Making Turns

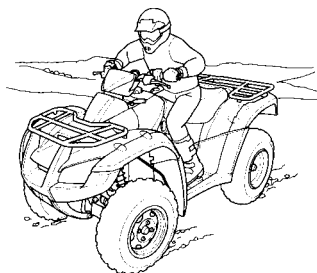
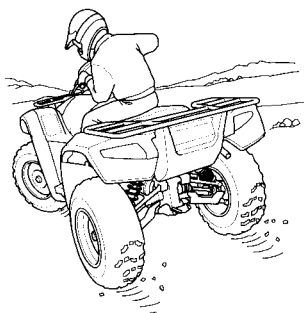
Learn how to turn your ATV properly. Practice the techniques outlined in this section on level ground and at low speeds until you are confident in making turns.

WARNING

Turning improperly can make the ATV to go out of control, causing a collision or overturn.

- 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.

Riding Your ATV



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

To make a turn on level ground: Steer the handlebar and lean your body toward the inside of the turn. Leaning helps balance the vehicle, and it feels more comfortable. Leaning into a turn is an important technique to master in riding an ATV.

To make a sharp turn at low speed: It helps to shift your body slightly forward on the seat, and lean inside, as you steer the handlebar. Shifting weight forward allows the rear wheels to turn easier, and it also improves front-wheel steering.

To make a turn from a full stop: Apply the throttle gradually when you turn and start up at the same time. Remember to shift your body forward to make sharp low-speed turns and whenever you turn while accelerating from a full stop.

Riding Your ATV

Skidding or Sliding

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.

WARNING

Skidding or sliding improperly may cause you to lose control of this ATV. You may also regain traction unexpectedly, which may cause the ATV to overturn.

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

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

Riding Your ATV

Riding Up Hills

The ATV'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 ATV to overturn. Avoid excessively steep hills.

WARNING

Operating on excessively steep hills can cause the vehicle to overturn more easily than operating on level surfaces or small hills.

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

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.

WARNING

Climbing hills improperly could cause loss of control or cause the ATV to overturn.

Always follow proper procedures for climbing hills as described in this owner's manual.

Riding Your ATV



Shift weight forward when climbing hills.

- Always check the terrain carefully before you start up any hill.
- Never climb hills with excessively slippery or loose surfaces.
- 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.
- 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.

Riding Your ATV

Stalling the ATV and/or Rolling Backwards:

If you incorrectly estimate climbing capability or terrain conditions, the ATV may not have enough power or traction to continue uphill. If this happens, the ATV can stall and/or roll backwards.

WARNING

Stalling, rolling backwards or improperly dismounting while climbing a hill could result in the ATV overturning.

Always follow proper procedures for climbing a hill as described in this owner's manual.

What to do if the ATV stalls or rolls backwards when climbing a hill:

If you are about to lose all forward speed:

1. Using the front and rear brakes together, bring the ATV to a stop with the vehicle pointed straight uphill.
2. Get off the ATV 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 ATV starts rolling backwards before you begin braking:

1. Keep your weight uphill.
2. Carefully apply the front brakes first, then carefully apply the rear brake. Do not apply either brake abruptly if you are rolling backwards, or the vehicle may overturn.

If the ATV continues sliding backwards:

After you've applied the brakes, get off and away from the vehicle.

Remember that operating any brake control in the 4WD mode will cause braking at both the front and rear wheels.

Riding Your ATV

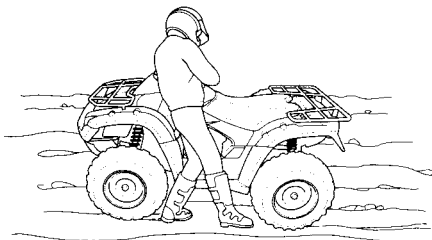
What to do after the ATV has stalled or rolled backwards:

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

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



Be sure your legs are clear of the wheels.



Body position for backing down a hill.

1. Stand with your body facing downhill, beside the vehicle so you can reach the rear brake lever with your right hand.
2. Be sure your legs are clear of the wheels.
Check your footing.
3. Slowly and carefully back the ATV down the hill using the rear brake lever to control speed.
4. If you lose control of the ATV, for your safety, get away from the vehicle.

Riding Your ATV

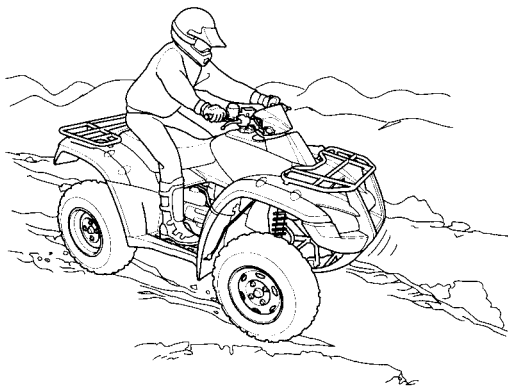
Riding Down Hills

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

⚠ WARNING

Going down a hill improperly could cause loss of control or cause the ATV to overturn.

Always follow proper procedures for going down hills as described in this owner's manual.



On downhills, shift your weight back.

As you approach a downhill, stop and survey the terrain below. Never ride past the limit of your visibility. Never go down a hill at high speed.

Riding Your ATV

When you've selected a safe downhill path, shift into a lower gear (in the ESP mode), shift your weight back with your arms extended and braced against the handlebar, then go down slowly with the throttle closed.

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

Remember that operating any brake control in the 4WD mode will cause braking at both the front and rear wheels.

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

Crossing or Turning on Hills or Slopes

Riding on hills or slopes is different from riding on level terrain. Be careful when riding on any hill. Make sure that you practice on gentle, smooth slopes before attempting to ride on steeper or more difficult terrain.

WARNING

Improperly crossing hills or turning on hills could cause loss of control or cause the ATV to overturn.

Always follow proper procedures for crossing or turning on slopes as described in this Owner's Manual. Avoid crossing steep hills if possible.

Riding Your ATV

Crossing Hills or 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.



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.

Riding Your ATV

Riding Over Obstacles

Before operating in a new area, check for 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

Improperly operating over obstacles could cause loss of control or a collision and could cause the ATV to overturn.

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

Riding Through Water

Your ATV 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.

WARNING

The ATV tires have some ability to float. Operating this ATV through deep or fast-flowing water may cause a loss of traction and loss of control, which could lead to an accident.

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

1. Choose a path where both banks have gradual slopes.
2. Proceed through the water at a slow, steady speed.
3. Watch out for submerged obstacles and slippery rocks.
4. Avoid getting the spark plug or air cleaner wet, as this would cause the engine to stop.
5. After leaving the water, always test both the front and rear brakes.
 - Riding through water can make the brakes less effective than normal, and may reduce stopping ability.
 - If necessary, apply the brakes repeatedly until they dry out and operate normally.
 - If the brakes don't regain effectiveness, stop your ATV and follow the procedures on page 154.

Parking

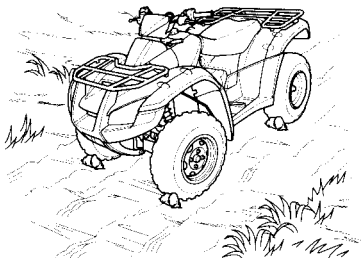
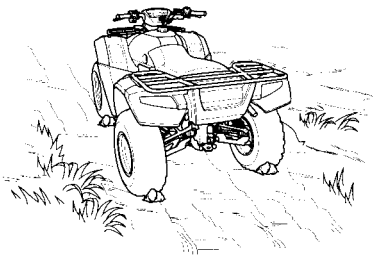
1. Look for level parking area. Make sure the ground surface is firm.
2. After bringing your ATV to a stop, hold the brakes while you shift into neutral.
3. Set the parking brake.
4. Turn the ignition switch OFF ().
5. If you're through riding for the day, turn the fuel valve OFF.

If it is necessary to start the engine when your ATV is stopped on a grade in gear, rock the vehicle back and forth to allow shifting the transmission into neutral.

Parking on a Steep Incline or a Loose or Slippery Surface

If you must park your ATV on a steep incline or loose or slippery surface, use the following procedure:

1. While holding the brakes, set the parking brake.
2. Turn the ignition switch OFF () and release the brakes.
3. If the ATV begins to move, either while sitting on it or after you dismount, find a better parking location.
4. If rocks or other objects are available, you can block the wheels as shown for additional security.



Servicing Your Honda

To help keep your ATV in good shape, this section includes a Maintenance Schedule for required service and step-by-step instructions for specific maintenance tasks. You'll also find important safety precautions, information on fuels and oils, and tips for keeping your Honda looking good.

For information about replacing fuses, see page 199.

Before You Service Your Honda

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Servicing Your Honda

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The Importance of Maintenance

A well-maintained ATV is essential for safe, economical, and trouble-free riding. It will also help reduce air pollution. Careful pre-ride inspections and good maintenance are especially important because your ATV is designed to be ridden over rough off-road terrain.

To help your properly care for your ATV, this section of the manual provides a Maintenance Schedule. The service intervals in this schedule are based on average riding conditions.

WARNING

Improperly maintaining this ATV or failing to correct a problem before you ride can cause a crash in which you can be seriously hurt or killed.

Always follow the inspection and maintenance recommendations and schedules in this owner's manual.

Frequent servicing of the air cleaner is especially important to help you avoid a possible costly engine repair.

If your ATV overturns or is involved in a crash, be sure your Honda dealer inspects all major parts, even if you are able to make some repairs.

Maintenance Safety

This section includes instructions on how to perform some important maintenance tasks. If you have basic mechanical skills, you can perform many of these tasks with the tools provided with your ATV.

Other tasks that are more difficult and require special tools are best performed by professionals. Removing the wheels should normally be handled only by a Honda technician or other qualified mechanic. Instructions are included in this manual only to assist in emergency service.

Some of the most important safety precautions follow. However, we cannot warn you of every conceivable hazard that can arise in performing maintenance. Only you can decide whether or not you should perform a given task.

WARNING

Failure to properly follow maintenance instructions and precautions can cause you to be seriously hurt or killed.

Always follow the procedures and precautions in this owner's manual.

Important Safety Precautions

- Make sure the engine is off before you begin any maintenance or repairs. This will help eliminate several potential hazards:
 - Carbon monoxide poisoning from engine exhaust.** Be sure there is adequate ventilation whenever you operate the engine.
 - Burns from hot ATV parts.** Let the engine and exhaust system cool before touching.
 - Injury from moving parts.** Do not run the engine unless instructed to do so.
- Read the instructions before you begin, and make sure you have the tools and skills required.
- To reduce the possibility of a fire or explosion, be careful when working around gasoline. Use only non-flammable solvent, not gasoline, to clean parts. Keep cigarettes, sparks, and flames away from all fuel-related parts.

Remember that your Honda dealer knows your ATV best and is fully equipped to maintain and repair it. To ensure the best quality and reliability, use only new *genuine Honda parts* or other equivalents for repair and replacement. If you have the tools and skills required for additional maintenance jobs, you can purchase an official Honda Service Manual (page 220).

Maintenance Schedule

The required Maintenance Schedule that follows specifies how often you should have your ATV serviced, and what things need attention. It is essential to have your ATV serviced as scheduled to maintain safe, dependable performance and proper emission control.

The service intervals in this Maintenance Schedule are based on average riding conditions. Some items will need more frequent service if you ride in unusually wet or dusty areas or at full throttle. Consult your Honda dealer for recommendations applicable to your individual needs and use.

Some items in the Maintenance Schedule can be performed with basic mechanical skills and hand tools. Procedures for these items are provided in this manual. Other items involve more extensive procedures and may require special training, tools, and equipment. We recommend that you have your Honda dealer perform these tasks unless you have advanced mechanical skills and the required tools and equipment. Procedures for such items in this schedule are provided in an official Honda Service Manual available for purchase (page 220).

If you do not feel capable of performing a given task or need assistance, remember that your Honda dealer knows your ATV best and is fully equipped to maintain and repair it. If you decide to do your own maintenance, use only genuine Honda parts or their equivalents for repair or replacement to ensure the best quality and reliability.

Maintenance Schedule

Perform the pre-ride inspection (page 47) and owner maintenance on this section at each scheduled maintenance period.

Each item on the maintenance schedule requires some mechanical knowledge. Certain items (particularly those marked * and **) may require more technical information and tools. Consult your Honda dealer.

- * Should be serviced by your Honda dealer, unless you have the proper tools and service data and are mechanically qualified. Refer to the official Honda Service Manual (page 220).
- ** In the interest of safety, we recommend these items be serviced only by your Honda dealer.

Summary of Maintenance Schedule Notes & Procedures:

NOTES:

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

Maintenance Schedule

Maintenance Procedures:

I: inspect and clean, adjust, lubricate, or replace, if necessary

C: clean

A: adjust

L: lubricate

R: replace

ITEMS			FREQUENCY	WHICHEVER COMES FIRST ⇔	mi km	INITIAL MAINT.	REGULAR MAINT. INTERVAL		Refer to page
							100	600	
							150	1000	
							20	100	
EMISSION RELATED ITEMS	*	FUEL LINE						I	—
	*	THROTTLE OPERATION						I	134
	*	CARBURETOR CHOKE						I	136
		AIR CLEANER	NOTE 1				C	C	129
		AIR CLEANER HOUSING DRAIN TUBE	NOTE 2				I	I	133
		SPARK PLUG						I	138
	*	VALVE CLEARANCE				I	I	I	141
		ENGINE OIL				R	R	R	112
		ENGINE OIL FILTER				R	R	R	117
	*	ENGINE IDLE SPEED				I	I	I	137
		RADIATOR COOLANT	NOTE 3				I	I	124
	*	COOLING SYSTEM	NOTE 2				I	I	—

- * Should be serviced by your Honda dealer, unless you have the proper tools and service data and are mechanically qualified. Refer to the official Honda Service Manual (page 220).

Maintenance Schedule

ITEMS		FREQUENCY	WHICHEVER COMES FIRST		INITIAL MAINT.	REGULAR MAINT. INTERVAL		Refer to page
			⇔	HOURS	100	600	1200	
					150	1000	2000	
			NOTE		20	100	200	
NON EMISSION RELATED ITEMS		DRIVE SHAFT BOOTS						163
		REAR FINAL GEAR CASE OIL AND DIFFERENTIAL OIL				(R:EVERY 2 YEARS)		120 122
	*	BRAKE FLUID	NOTE 3					144
	*	BRAKE SHOES WEAR	NOTE 1					147
	*	BRAKE PADS WEAR	NOTE 1,2					153
		BRAKE SYSTEM						144
		SKID PLATE, ENGINE GUARD						162
	*	SUSPENSION						—
	*	SPARK ARRESTER				C	C	142
	*	NUTS, BOLTS, FASTENERS						—
	**	WHEELS/TIRES						—
	**	STEERING SHAFT HOLDER BEARINGS						—
	**	STEERING SYSTEM						—

* Should be serviced by your Honda dealer, unless you have the proper tools and service data and are mechanically qualified. Refer to the official Honda Service Manual (page 220).

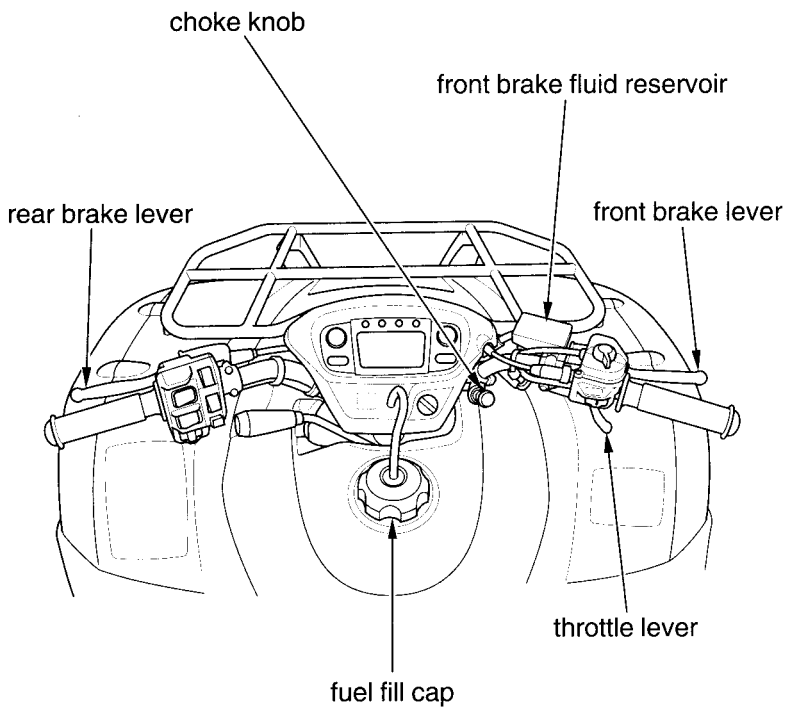
** In the interest of safety, we recommend these items be serviced only by your Honda dealer.

Maintenance Record

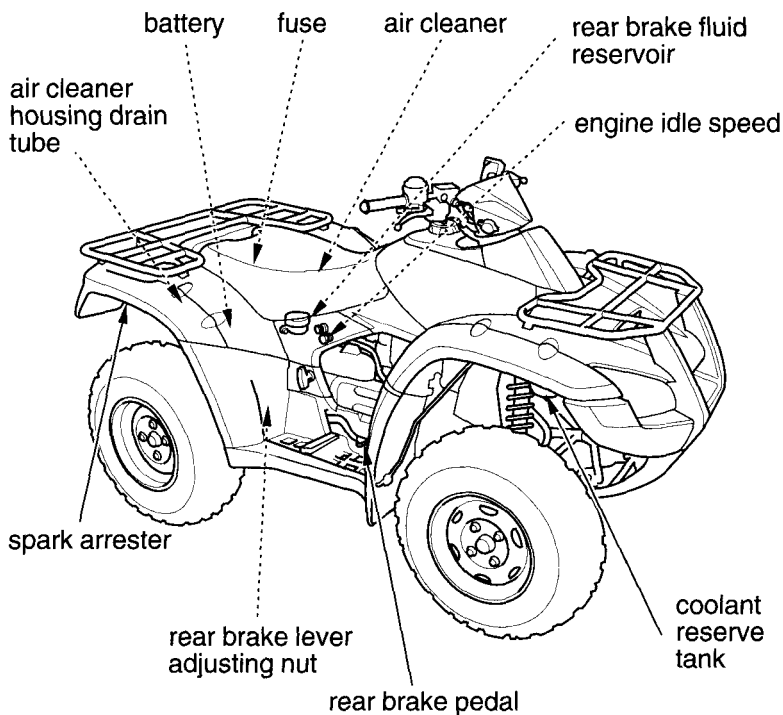
Keeping an accurate maintenance record will help ensure that your ATV is properly maintained. Retain detailed receipts to verify the maintenance was performed. If the ATV is sold, these receipts should be transferred with the ATV to the new owner. Make sure whoever performs the maintenance completes this record. All scheduled maintenance, including the 100 mile (150 km) or 20 hours initial maintenance, is considered a normal owner operating cost and will be charged for by your dealer. Use the space under Notes to record anything you want to remind yourself about or mention to your dealer.

Miles (km) or hours	ODO or HOUR	Date	Performed By:	Notes
100 (150) or 20				
600 (1,000) or 100				
1,200 (2,000) or 200				
1,800 (3,000) or 300				
2,400 (4,000) or 400				
3,000 (5,000) or 500				
3,600 (6,000) or 600				
4,200 (7,000) or 700				
4,800 (8,000) or 800				

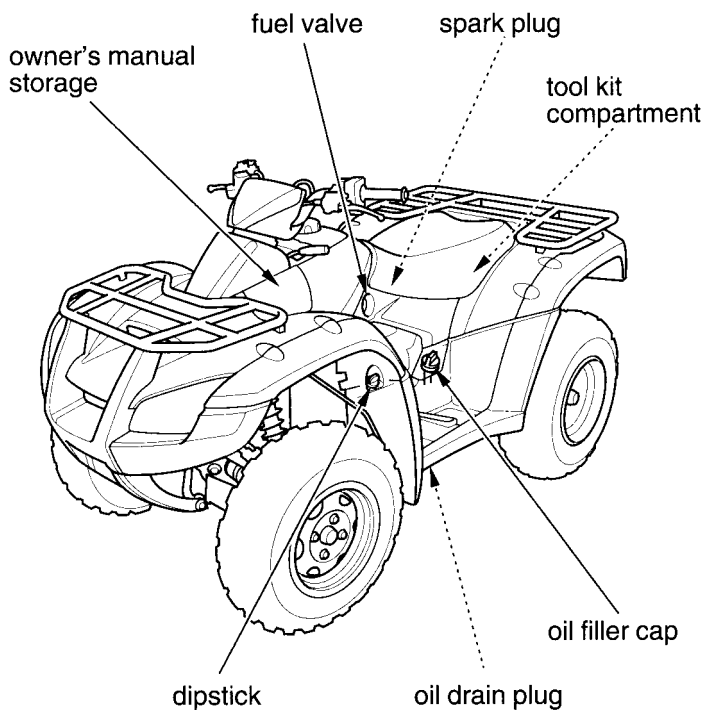
Component Locations



Component Locations



Component Locations



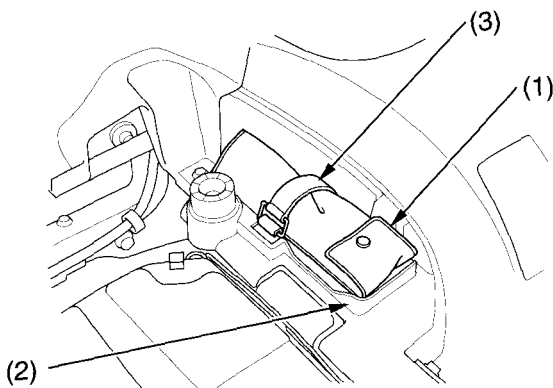
Tool Kit

The tool kit (1) is stored in the tool kit compartment (2) under the seat. After using the tools, be sure to use the rubber band (3) to fasten the tool kit securely.

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 Honda dealer.

The tool kit includes the following items:

- * standard/phillips screwdriver
- * screwdriver handle
- * 10 × 12 mm open end wrench
- * 14 × 17 mm open end wrench
- * spark plug wrench and handlebar
- * pliers
- * tool bag



(1) tool kit

(2) tool kit compartment

(3) rubber band

Owner's Manual Storage

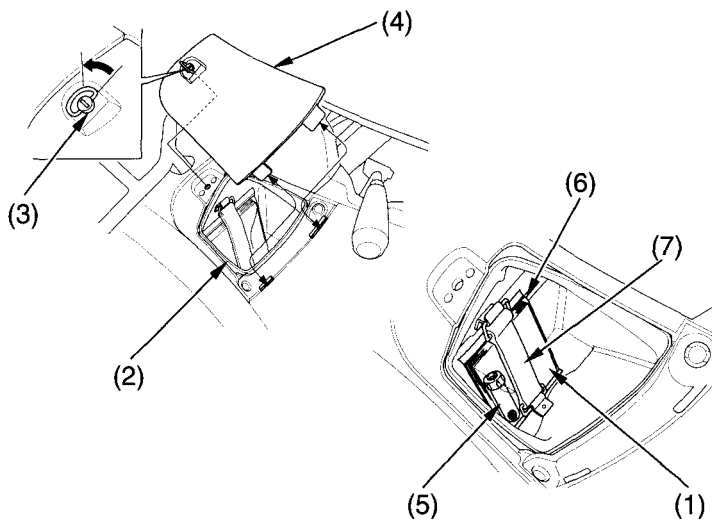
Your ATV provides storage for the owner's manual so you'll have it with you for easy reference. Store your owner's manual (1) in the storage compartment (2) at the left side of the front fender.

To open the compartment, turn left the quick screw (3) and remove the lid (4).

The owner's manual and air pressure gauge (5) should be stored in the plastic bag (6) and fastened with the rubber band (7).

Be careful not to flood this area when washing your ATV.

LEFT



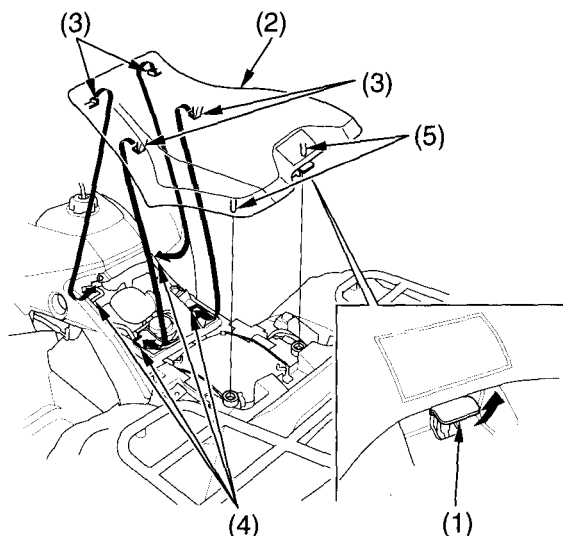
- (1) owner's manual
- (2) storage compartment
- (3) quick screw
- (4) lid

- (5) air pressure gauge
- (6) plastic bag
- (7) rubber band

Seat Removal

Refer to *Safety Precautions* on page 97 .

The seat must be removed for the air cleaner, spark plug, and fuse maintenance.



- (1) seat latch
- (2) seat
- (3) front prongs

- (4) hooks
- (5) studs

Removal

1. Pull the seat latch (1) at the rear of the seat.
2. Slide the seat (2) back and lift it.

Installation

1. Insert the front prongs (3) into the hooks (4) and press the studs (5) into the grommets on the rear fender.
2. Press down on the seat until locks.

Refer to *Safety Precautions* on page 97 .

Fuel Recommendation

type	unleaded
pump octane number	86 (or higher)

We recommend that you use unleaded fuel because it produces fewer engine deposits and extends the life of exhaust system components.

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. For information on the use of oxygenated fuels, see page 217 .

Use of lower octane gasoline can cause persistent “pinging” or “spark knock” (a loud rapping noise) which, if severe, can lead to engine damage. Light pinging experienced while operating under a heavy load, such as climbing a hill, is no cause for concern.

If pinging or spark knock occurs at a steady engine speed under normal load, change brands of gasoline. If pinging or spark knock persists, consult your Honda dealer.

Never use stale or contaminated gasoline or an oil/gasoline mixture. Avoid getting dirt, dust, or water in the fuel tank.

Fuel

Fuel Capacity

Fuel tank capacity, including reserve:

4.49 US gal (17.0 ℓ)

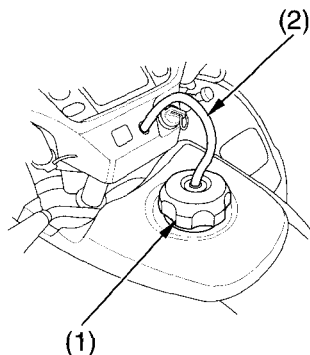
Reserve capacity:

0.82 US gal (3.1 ℓ)

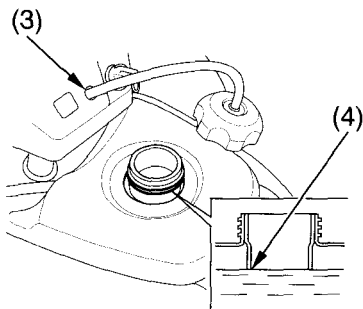
The tank should be refilled as soon as possible after switching to reserve, and the fuel valve should be returned to the ON position after refueling to avoid running out of fuel with no reserve.

Refueling Procedure

Refer to *Safety Precautions* on page 97.



- (1) fuel fill cap
- (2) breather tube



- (3) meter cover hole
- (4) filler neck

1. To open the fuel fill cap (1), turn it counterclockwise.
2. Pull the breather tube (2) out of the meter cover hole (3).
3. Add fuel until the level reaches the bottom of the filler neck (4).
Avoid over filling the tank. There should be no fuel in the filler neck.

WARNING

Gasoline is highly flammable and explosive.
You can be burned or seriously injured when
handling fuel.

- Stop the engine and keep heat, sparks and flame away.
- Handle fuel only outdoors.
- Wipe up spills immediately.

4. After refueling, turn the fuel fill cap clockwise until it clicks.
5. Insert the breather tube (2) into the meter cover hole (3).
6. If the fuel valve was set to RES, turn the fuel valve ON.

If you replace the fuel fill cap, use only a genuine Honda replacement part.

Engine Oil & Filter

Engine oil quality is a major factor that affects both the performance and the service life of the engine.

Using the proper oil (page 113) and filter, and regularly checking, adding, and changing oil will help extend your engine's life. Even the best oil wears out. Changing oil helps get rid of dirt and deposits in the engine. Operating the engine with old or dirty oil can damage your engine. Running the engine with insufficient oil can cause serious damage to the engine and transmission.

Change the engine oil as specified in the maintenance schedule on page 102 . When running in very dusty conditions, oil changes should be performed more frequently than specified in the maintenance schedule.

Engine Oil & Filter

Oil Recommendation

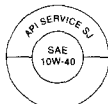
API classification	SG or higher except oils labeled as energy conserving on the circular API service label
viscosity (weight)	SAE 10W-40, 0W-30
JASO T 903 standard	MA
suggested oil*	Pro Honda GN4 or HP4 (without molybdenum additives) 4-stroke oil (USA & Canada), or Honda 4-stroke oil (Canada only), or an equivalent motorcycle oil.

* Suggested oils are equal in performance to SJ oils that are not labeled as energy conserving on the circular API service label.

- Your ATV does not need oil additives. Use the recommended oil.
- Do not use oils with graphite or molybdenum additives. They may adversely affect clutch operation.
- Do not use API SH or higher oils displaying a circular API “energy conserving” service label on the container. They may affect lubrication and clutch performance.



NOT RECOMMENDED



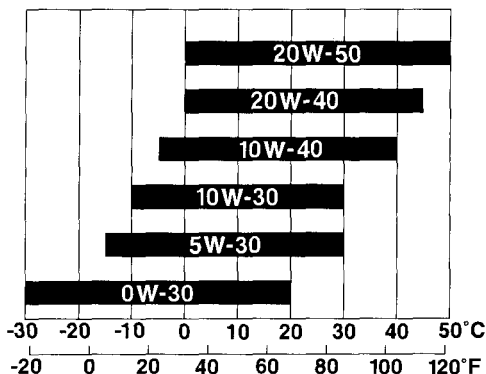
OK

- Do not use non-detergent, vegetable, or castor based racing oils.

(cont'd)

Engine Oil & Filter

Other viscosities shown in the following chart may be used when the average temperature in your riding area is within the indicated range.

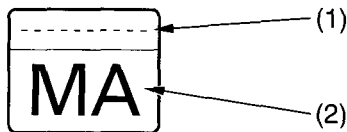


JASO T 903 standard

The JASO T 903 standard is an index to choose engine oils for 4-stroke motorcycle engines.

There are two classes: MA and MB.

Oil conforming to the standard has the following classification on the oil container.



PRODUCT MEETING JASO T 903
COMPANY GUARANTEEING THIS MA PERFORMANCE:

(1) code number of the sales company of the oil

(2) oil classification

Engine Oil & Filter

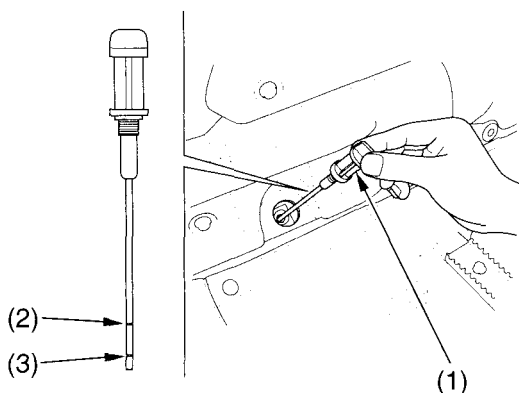
Checking & Adding Oil

Refer to *Safety Precautions* on page 97 .

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

1. Park your ATV on a firm, level surface.
2. Start the engine in a well-ventilated area and let it idle for 3 – 5 minutes. Stop the engine and wait 2 – 3 minutes.
3. Remove the dipstick (1) from the front crankcase cover and wipe it clean.
4. 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.

LEFT SIDE



(1) dipstick

(2) upper level mark

(3) lower level mark

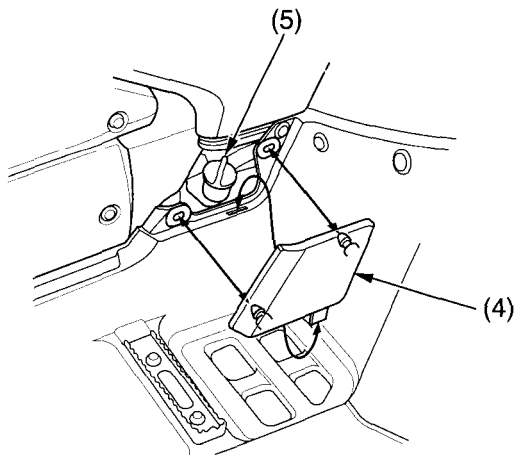
Engine Oil & Filter

5. If required, remove the oil filler cap lid (4) and oil filler cap (5) and add the specified oil into the filler cap hole, up to the upper level mark on the dipstick. Do not overfill.
6. Reinstall the oil filler cap, oil filler cap lid and dipstick.

NOTICE

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

LEFT SIDE



(4) oil filler cap lid

(5) oil filler cap

Engine Oil & Filter

Changing Engine Oil & Filter

Refer to *Safety Precautions* on page 97 .

Your ATV's oil filter has very specific performance requirements. Use a new genuine Honda oil filter specified for your model or a filter of equal quality.

NOTICE

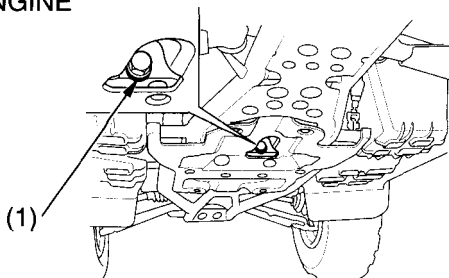
Using the wrong oil filter may result in leaks or premature engine damage.

This procedure requires mechanical skill and professional tools such as a torque wrench and oil filter wrench, as well as a means for disposing of the drained fluid (page 184). If you do not have the skills or the tools, see your Honda dealer.

Drain the Engine Oil:

1. With the ATV on level ground, remove the oil filler cap from the left side of crankcase.
2. Place an oil drain pan under the crankcase and remove the oil drain plug (1).

UNDER ENGINE



(1) oil drain plug

Engine Oil & Filter

Install a New Engine Oil Filter:

3. Remove the oil filter bolt (2) and oil filter cover (3).

Let the remaining oil drain out.

4. Remove the oil filter (4) from the cover.
5. Remove the spring and washer. Do not discard the washer with the old oil filter.
6. Discard the oil filter.
7. Check the O-rings (5) are in good condition and then insert a new oil filter to the oil filter cover.

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.

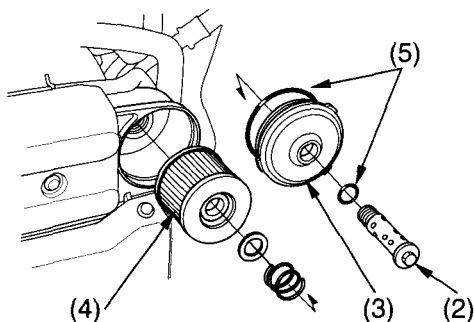
8. Install the oil filter cover and tighten the oil filter bolt. Make sure the oil filter bolt is tightened securely to the specified torque.

Oil filter bolt torque:

13 lbf·ft (18 N·m , 1.8 kgf·m)

NOTICE

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



(2) oil filter bolt
(3) oil filter cover

(4) oil filter
(5) O-rings

Engine Oil & Filter

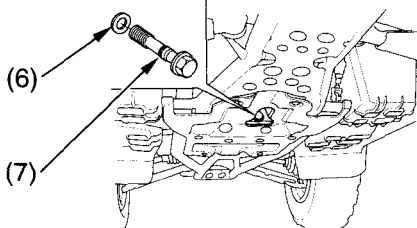
- Pour the drained oil into a suitable container and dispose of it in an approved manner (page 184).

NOTICE

Improper disposal of drained fluids is harmful to the environment.

Add Engine Oil:

- Check that the drain plug sealing washer (6) and O-ring (7) are in good condition. If necessary, replace them.



(6) drain plug sealing washer

(7) O-ring

- Apply a thin coat of engine oil to the O-ring.
- Reinstall the oil drain plug and tighten it to the specified torque:
18 lbf·ft (25 N·m , 2.5 kgf·m)
- Fill the crankcase with the recommended grade oil approximately:
3.0 US qt (2.8 l)
- Reinstall the oil filler cap.
- Start the engine and let it idle for 5 minutes.
- Stop the engine and after a few minutes, 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.
- Reinstall the oil filler cap and dipstick.
- Check that there are no oil leaks.

If a torque wrench is not used for installation, see your Honda dealer as soon as possible to verify proper assembly.

Gear Case Oil

Oil Recommendation

type	hypoid gear oil
viscosity (weight)	SAE 80
suggested oil	Honda shaft drive oil or equivalent

Changing Oil

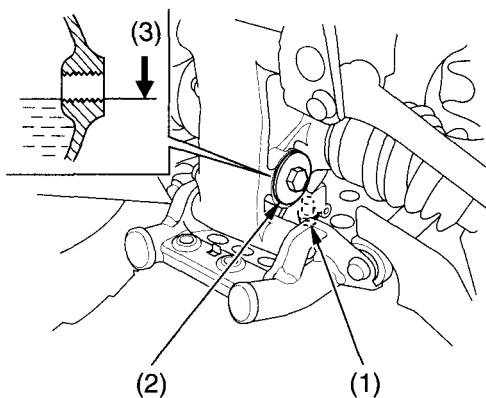
Refer to *Safety Precautions* on page 97 .

Changing the oil with the gear case at normal operating temperature to assure complete and rapid draining.

Gear Case Oil

1. Park the ATV on level ground.
2. Place an oil drain pan under the oil drain plug (1).
3. Remove the oil filler cap (2) and the drain plug.
4. After the oil has completely drained, reinstall the drain plug and tighten it to the specified torque:
9 lbf·ft (12 N·m , 1.2 kgf·m)
5. Fill the gear case with the recommended oil.
2.6 US oz (78 cm³)
6. Make sure the oil level is at the lower edge of the inspection hole (3).
7. Install the oil filler cap.

REAR



- (1) oil drain plug
(2) oil filler cap
(3) lower edge of the inspection hole

Differential Oil

Oil Recommendation

type	hypoid gear oil
viscosity (weight)	SAE 80
suggested oil	Honda shaft drive oil or equivalent

Changing Oil

Refer to *Safety Precautions* on page 97 .

Changing the oil with the differential at normal operating temperature to assure complete and rapid draining.

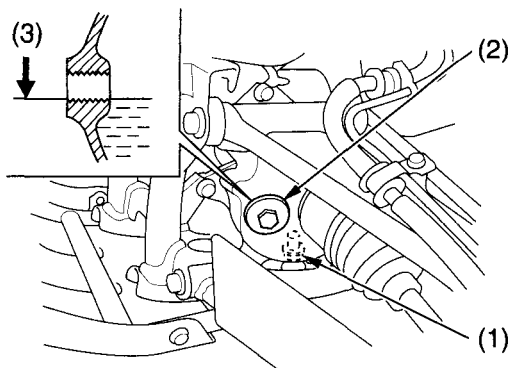
Differential Oil

1. Park the ATV on level ground.
2. Place an oil drain pan under the oil drain plug (1).
3. Remove the oil filler cap (2) and the drain plug.
4. After the oil has completely drained, reinstall the drain plug and tighten it to the specified torque:
9 lbf·ft (12 N·m , 1.2 kgf·m)
5. Fill the differential with the recommended oil.
5.9 US oz (175 cm³)

Make sure the oil level is at the lower edge of the inspection hole (3).

6. Install the oil filler cap.

FRONT



- (1) oil drain plug
(2) oil filler cap
(3) lower edge of the inspection hole

Coolant

Your ATV's liquid cooling system dissipates engine heat through the coolant jacket that surrounds the cylinder and cylinder head.

Maintaining the coolant will allow the cooling system to work properly and prevent freezing, overheating, and corrosion.

Coolant Recommendation

Use Pro Honda HP coolant or an equivalent high quality ethylene glycol antifreeze containing corrosion protection inhibitors specifically recommended for use in aluminum engines. Check the antifreeze container label.

Use only distilled water as a part of the coolant solution. Water that is high in mineral content or salt may be harmful to the aluminum engine.

NOTICE

Using coolant with silicate inhibitors may cause premature wear of water pump seals or blockage of radiator passages. Using tap water may cause engine damage.

The factory provides a 50/50 solution of antifreeze and water in this ATV. This coolant solution is recommended for most operating temperatures and provides good corrosion protection.

Decreasing the concentration of antifreeze to less than 40% will not provide proper corrosion protection.

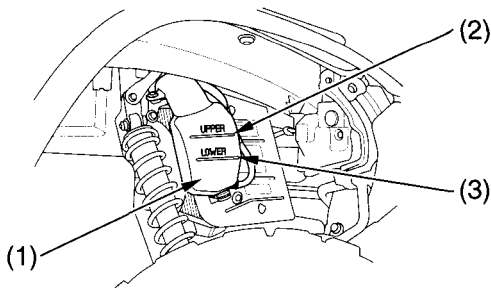
Increasing the concentration of antifreeze is not recommended because it decreases cooling system performance. Higher concentrations of antifreeze (up to 60%) should only be used to provide additional protection against freezing. Check the cooling system frequently during freezing weather.

Checking & Adding Coolant

Refer to *Safety Precautions* on page 97.

Check the engine coolant level each day before operating your ATV and add if needed.

RIGHT FRONT



(1) reserve tank

(3) LOWER level mark

(2) UPPER level mark

1. Make sure the vehicle is on the level ground.
2. With the engine at normal operating temperature, check the coolant level in the reserve tank (1). It should be between UPPER (2) and LOWER (3) level marks.

If the reserve tank is empty, or if coolant loss is excessive, check for leaks and see your Honda dealer for repair.

(cont'd)

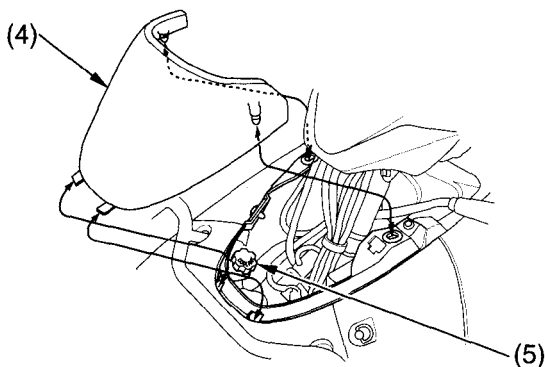
Coolant

3. Remove the steering cover (4) and reserve tank cap (5).

Always add coolant to the reserve tank. Do not attempt to add coolant by removing the radiator cap.

4. Add coolant to the reserve tank as required to bring the coolant level to the UPPER level mark.

FRONT



(4) steering cover

(5) reserve tank cap

Coolant Replacement

Refer to *Safety Precautions* on page 97.

Coolant should be replaced by your Honda dealer, unless you have the proper tools and service data and are mechanically qualified. Refer to the official Honda Service Manual (page 220).

WARNING

Removing the radiator cap while the engine is hot can cause the coolant to spray out, seriously scalding you.

Always let the engine and radiator cool down before removing the radiator cap.

To properly dispose of drained coolant, refer to *You & the Environment*, page 184.

NOTICE

Improper disposal of drained fluids is harmful to the environment.

Coolant

Radiator Core

Refer to *Safety Precautions* on page 97.

Check the air passages for clogging or damage. Remove insects, mud, or any obstruction with low water pressure. Have the radiator checked by your Honda dealer if the air flow is restricted over more than 20% of the radiator surface.

Clean the radiator core after riding the ATV in mud.

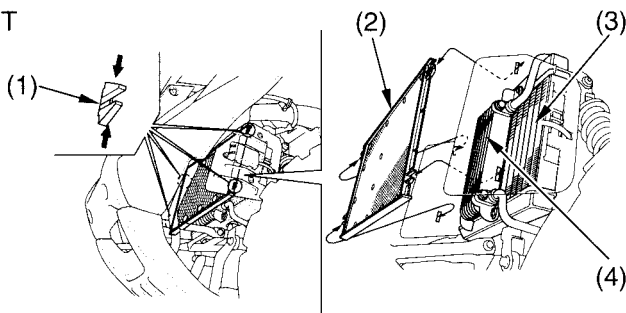
To clean the radiator core, oil cooler and radiator cover plate:

1. Unhook the tabs (1).
2. Remove the radiator cover plate (2).
3. Wash the radiator core (3), oil cooler (4) and radiator cover plate.

NOTICE

Do not apply pressured water directly to the radiator core and oil cooler. The pressured water can damage the radiator core.

FRONT



(1) tabs
(2) radiator cover plate

(3) radiator core
(4) oil cooler

Air Cleaner

Refer to *Safety Precautions* on page 97.

Proper air cleaner maintenance is very important for off-road vehicles. A dirty, water-soaked, worn-out, or defective air cleaner will allow dirt, dust, mud, and other impurities to pass into the engine.

Service the air cleaner more frequently if you ride in unusually wet or dusty areas. Your Honda dealer can help you determine the correct service interval for your riding conditions.

Your ATV's air cleaner has very specific performance requirements. Use a new genuine Honda air cleaner specified for your model or an air cleaner of equal quality.

NOTICE

Using the wrong air cleaner may result in premature engine damage.

Proper air cleaner maintenance can prevent premature engine wear or damage, expensive repairs, low engine power, poor gas mileage, and spark plug fouling.

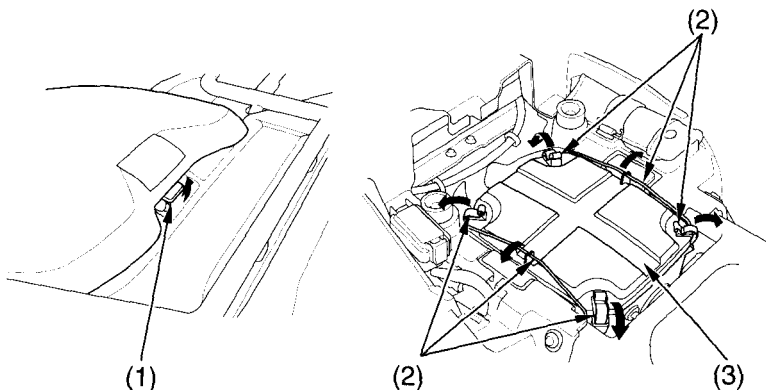
NOTICE

Improper or lack of proper air cleaner maintenance can cause poor performance and premature engine wear.

Air Cleaner

Cleaning

1. Remove the seat by pulling the seat latch (1) up.



(1) seat latch

(2) retainer clips

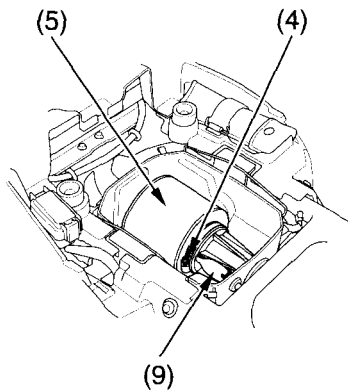
(3) air cleaner housing cover

2. Unlatch the retainer clips (2).
3. Remove the air cleaner housing cover (3).

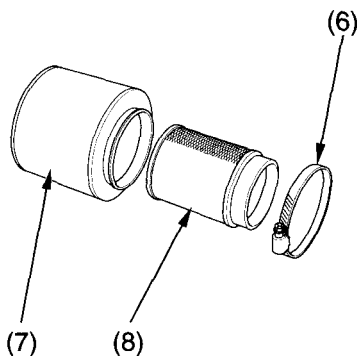
Air Cleaner

4. Loosen the screw (4) and remove the air cleaner assembly (5) from the air cleaner housing.
5. Unscrew the clamp (6).
6. Remove the air cleaner (7) from the air cleaner body (8).
7. Remove the sub air cleaner (9) from the air cleaner joint.
8. Gently wash the air cleaner and sub air cleaner in clean, non-flammable (high flash point) solvent such as kerosene — not gasoline. After cleaning, gently squeeze out the remaining solvent. Avoid twisting or wringing the air cleaner. This can tear the foam.
9. Inspect for tears or cracks in the foam or seams of the air cleaner and sub air cleaner. Replace the air cleaner and/or sub air cleaner if it is damaged.

UNDER SEAT



- (4) screw
(5) air cleaner assembly
(6) clamp



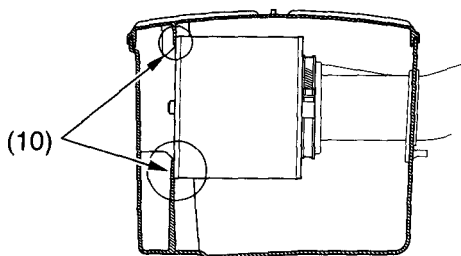
- (7) air cleaner
(8) air cleaner body
(9) sub air cleaner

(cont'd)

Air Cleaner

10. Allow the sub air cleaner to dry thoroughly before installing.
11. Install the sub air cleaner.
12. Allow the air cleaner to dry thoroughly before applying oil. A wet air cleaner will not fully absorb the oil.
13. Pour clean Pro Honda Foam Filter Oil or an equivalent (Canada: Honda Foam Filter Oil or an equivalent) over the entire surface of the air cleaner. Use both hands to evenly spread the oil into the air cleaner. Gently squeeze out any excess oil. (To keep your hands dry, place the air cleaner in a clean plastic bag before spreading the oil into the air cleaner.)
14. Install the air cleaner on the air cleaner body.
15. Apply a thin coat of grease to the sealing surface of the air cleaner assembly.
16. Install the clamp.
17. Insert the air cleaner assembly into the air cleaner housing.
18. Fasten the screw.
19. Reassemble by reversing the disassembly sequence.
 - The air cleaner assembly should be fastened with the tabs (10) of the air cleaner box.

UNDER SEAT

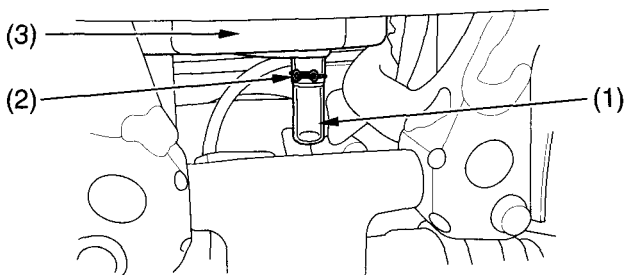


(10) tabs

Air Cleaner Housing Drain Tube

The air cleaner housing drain tube 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.

REAR



(1) drain tube
(2) clip

(3) air cleaner housing

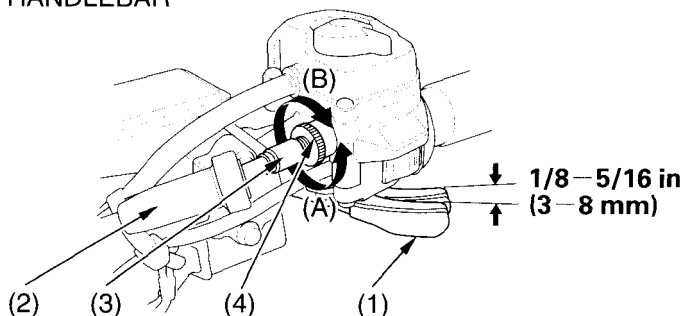
1. Remove the drain tube (1) by removing the clip (2) under the air cleaner housing (3).
2. Drain the deposits.
3. Reinstall the drain tube, securing it with the clip.

Throttle

Throttle Freeplay

Refer to *Safety Precautions* on page 97 .

RIGHT HANDLEBAR



(1) throttle lever

(2) rubber sleeve

(3) throttle cable adjuster

(4) lock nut

(A) decrease freeplay

(B) increase freeplay

Inspection

Check freeplay at the throttle lever (1).

Freeplay:

1/8–5/16 in (3–8 mm)

Adjustment

1. Slide the rubber sleeve (2) back to expose the throttle cable adjuster (3).
2. Loosen the lock nut (4).
3. Turn the adjuster to obtain the correct freeplay.
4. Tighten the lock nut and reinstall the sleeve.
5. After adjustment, check for smooth operation of the throttle lever from fully closed to fully open in all steering positions.

Throttle Inspection

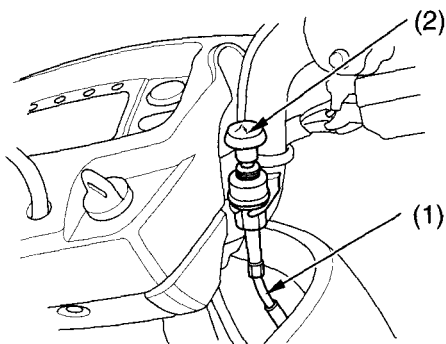
Refer to *Safety Precautions* on page 97 .

1. Check that the throttle assembly is positioned properly and the securing bolts are tight.
2. Check for smooth operation of the throttle lever from fully open to fully closed in all steering positions. If there is a problem, see your Honda dealer.
3. Inspect the condition of the throttle cables from the throttle lever down to the carburetor. If the cable is kinked or chafed, have it replaced.
4. Check the cables for tension or stress in all steering positions.
5. Lubricate the cables with a commercially-available cable lubricant to prevent premature wear and corrosion.

Carburetor Choke Cable & Knob

Refer to *Safety Precautions* on page 97 .

CENTER OF HANDLEBAR



(1) choke cable

(2) choke knob

1. Check the condition of the choke cable (1).
2. Check the operation of the choke knob (2).

If the cable is damaged or kinked, have it replaced by your Honda dealer.

Engine Idle Speed

The best way to assure proper carburetion is to see your Honda dealer for regularly scheduled servicing, including carburetor adjustment.

Remember, idle speed adjustment is not a “cure-all” for other problems in your engine’s fuel-delivery system. Adjusting the idle will not compensate for a fault elsewhere.

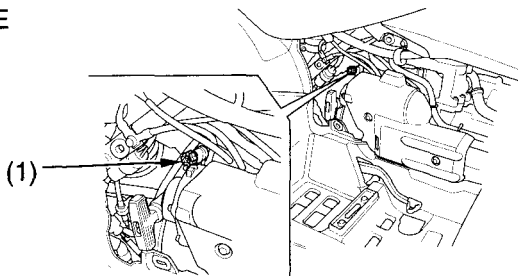
The engine must be at normal operating temperature for accurate idle speed adjustment.

For information about high altitude carburetor adjustment, see page 213 .

Idle Speed Adjustment

Refer to *Safety Precautions* on page 97 .

RIGHT SIDE



(1) throttle stop screw

1. If the engine is cold, start it and warm it up with ten minutes of stop-and-go riding. Stop the engine.
2. Park your ATV on a firm, level surface.
3. Connect a tachometer to the engine.
4. Shift into neutral. Start the engine.
5. Adjust idle speed by turning the throttle stop screw (1).

Idle speed (in neutral):

1,400 $\pm$ 100 rpm

Spark Plug

Spark Plug Recommendation

standard spark plug	IFR5L11 (NGK) or VK16PRZ11 (DENSO)
for extended high speed riding	IFR6L11 (NGK) or VK20PRZ11 (DENSO)

Use only the recommended type of spark plug in the recommended heat range.

NOTICE

Using spark plugs with an improper heat range can cause engine damage.

This ATV uses spark plugs that have an iridium coated center electrode. Be sure to observe the following when servicing the spark plugs.

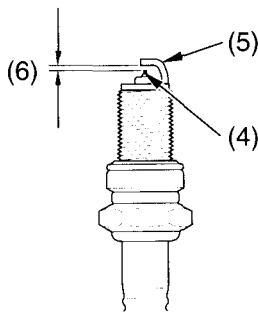
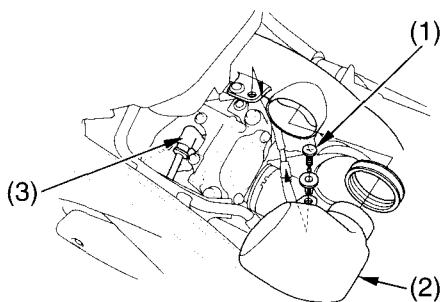
- Do not clean the spark plugs. If an electrode is contaminated with accumulated objects or dirt, replace the spark plug with a new one.
- Use only a “wire-type feeler gauge” to check the spark plug gap if necessary. To prevent damaging the iridium coating of the center electrode, never use a “leaf-type feeler gauge.”

Spark Plug Replacement & Inspection

Refer to *Safety Precautions* on page 97.

1. Remove the seat (page 108).
2. Loosen the screw (1) and remove the resonance chamber (2).
3. Clean any dirt from around the spark plug base.
4. Disconnect the spark plug cap (3). Take care to avoid damaging the spark plug wire when disconnecting the cap.
5. Using the spark plug wrench provided in the tool kit, remove the spark plug.
6. Inspect the electrodes and center porcelain for deposits, corrosion, or carbon fouling. If the corrosion or deposits are heavy, replace the plug.
7. Make sure that a 1.2 mm wire-type feeler gauge cannot be inserted between the spark plug gap (6). If the gauge fits in the gap, replace the plug with a new one.

UNDER SEAT



(1) screw

(2) resonance chamber

(3) spark plug cap

(4) center electrode

(5) side electrode

(6) spark plug gap

Spark Plug

8. With the plug washer attached, thread the spark plug in by hand to prevent cross-threading.
9. Tighten the spark plug:
 - about $1/8 - 1/4$ turn after it seats (if the old plug is good).
 - about $1/2$ turn after it seats (if installing a new plug).

NOTICE

Improperly tightened spark plug can damage the engine. If a plug is too loose, a piston may be damaged. If a plug is too tight, the threads may be damaged.

10. Reinstall the spark plug caps. Take care to avoid pinching any cables or wires.
11. Install the seat.

Valve Inspection

Refer to *Safety Precautions* on page 97 .

Valve clearance should be:

intake: 0.006 in (0.15 mm)

exhaust: 0.013 in (0.33 mm)

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 your Honda dealer.

Spark Arrester

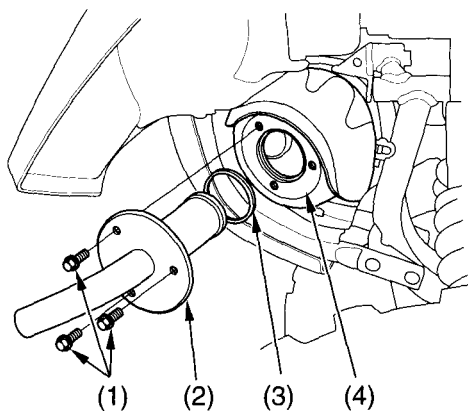
Refer to *Safety Precautions* on page 97.

The spark arrestor must be serviced every 100 operating hours to maintain its efficiency.

Regular servicing prevents carbon build up (which can diminish engine performance) and also complies with USDA regulations for regular maintenance to assure proper function. The spark arrestor prevents random sparks from the combustion process in your engine from reaching the environment.

1. Allow the engine and muffler to cool.
2. Remove the three bolts (1), the spark arrester (2), and the gasket (3) from the muffler (4).

REAR



(1) bolts

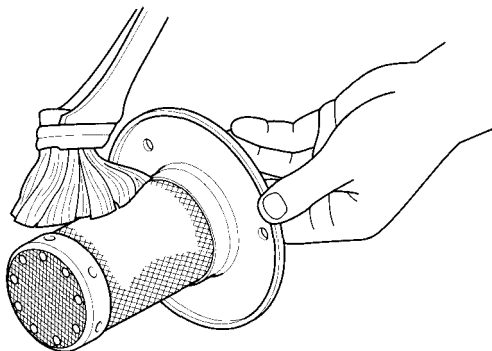
(2) spark arrester

(3) gasket

(4) muffler

Spark Arrester

3. Use a brush to remove carbon deposits from the spark arrester screen. Be careful to avoid damaging the spark arrester screen. The spark arrester must be free of breaks and holes. Replace, if necessary. Check the gasket. Replace, if necessary.



4. Install the spark arrester and the gasket in the muffler and tighten the three bolts securely.

Brakes

The hydraulic drum brakes (front) and a single hydraulic/mechanical disc brake (rear) on your ATV dissipate the heat generated by the friction of the brake shoes on the drum (front) and the brake pads on the disc (rear) as the wheels are slowed.

Inspect the system before each ride to ensure there are no fluid leaks. Periodically inspect the brake fluid level and front brake shoes and rear brake pads for wear.

Front Brakes

If the brake lever freeplay does not feel within the normal range while riding, check the brake shoes for wear (page 147).

Rear Brakes

If the brake pedal freeplay does not feel within the normal range while riding, check the brake pads for wear (page 153).

Worn pads should be replaced. If the pads are not worn beyond the recommended limit, there is probably air in the brake system. See your Honda dealer to have the air bled from the system. For more information, see page 151 .

Brake Fluid Recommendation

brake fluid	Honda DOT 4 Brake Fluid
-------------	-------------------------

The recommended brake fluid is Honda DOT 4 Brake Fluid, or any brake fluid of equal quality and performance. Use fresh brake fluid from a sealed container. Be sure to read the label before opening the sealed container. An opened container may be contaminated or may have absorbed moisture from the air.

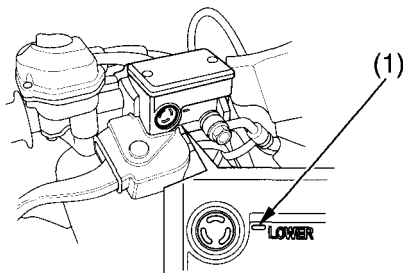
Fluid Level Inspection

Refer to *Safety Precautions* on page 97 .

With the ATV in an upright position, check the fluid level.

Front Brake Fluid Level

RIGHT HANDLEBAR



(1) LOWER level mark

If your inspection indicates a low fluid level, have your Honda dealer add the recommended fluid.

Do not add or replace brake fluid, except in an emergency. If you do add fluid, have your Honda dealer check the system as soon as possible.

NOTICE

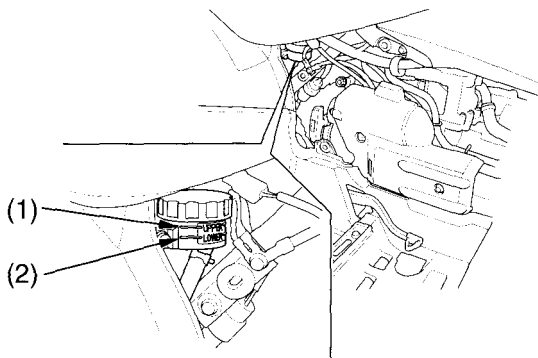
Brake fluid can damage plastic and painted surfaces. Handle with care.

Wipe up spills immediately. Avoid contact with skin or eyes. In case of contact, wash thoroughly and call a doctor immediately if it contacts your eyes.

Brakes

Rear Brake Fluid Level

RIGHT SIDE



(1) UPPER level mark

(2) LOWER level mark

Remove the right side cover.

It should be between the UPPER (1) and LOWER (2) level mark. If the level is at or below the LOWER level mark, check the brake pads for wear (page 153).

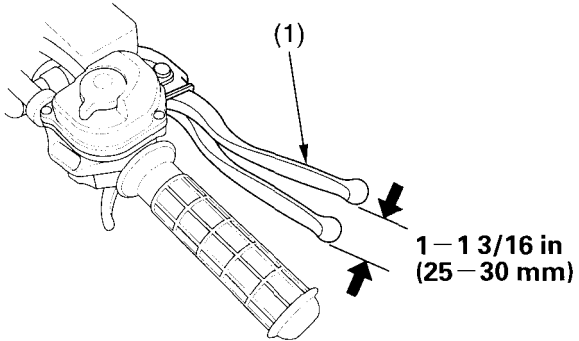
Worn brake pads should be replaced. If the pads are not worn, have your brake system inspected for leaks.

Other Inspections

- Make sure there are no fluid leaks.
- Check for deterioration or cracks in the hoses and fittings. If the hoses are worn or cracked, have them replaced by your Honda dealer.

Front Brake Lever Freeplay & Shoe Lining Clearance

RIGHT HANDLEBAR



(1) front brake lever

1. Measure the distance the brake lever moves before the brakes start to take hold. Freeplay, measured at the tip of the front brake lever (1) should be:

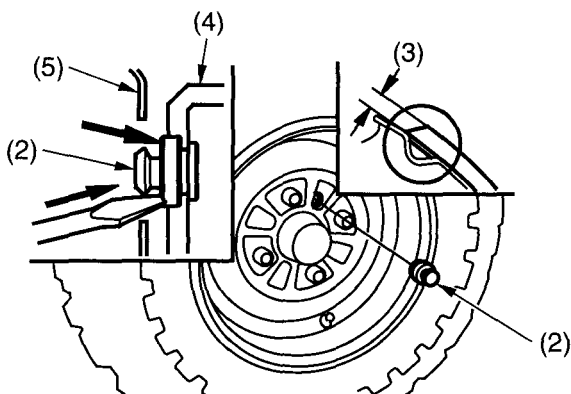
1 - 1 3/16 in (25 - 30 mm)

Brakes

2. Remove the inspection hole plug (2).
3. Measure the lining thickness (3) on both front wheels:
Standard: 0.16 in (4.0 mm)
Service Limit: 0.04 in (1.0 mm)

If either lining is worn beyond the limit, both brake shoes must be replaced by your Honda dealer.

4. If the brake lever freeplay and the brake shoe lining thickness are within the recommended limits, reinstall the inspection hole plugs, seating them into the inspection hole as shown.
5. If the brake lever freeplay is excessive but the linings are not worn beyond the service limit, adjust the brake lining clearance.



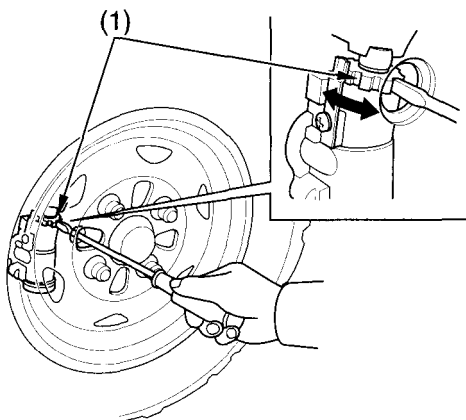
(2) inspection hole plug
(3) lining thickness

(4) front brake drum
(5) front wheel rim

To adjust the brake lining clearance:

1. Squeeze the brake lever firmly two or three times, then release it.
2. Raise the front and rear wheels off the ground by placing a support block under the vehicle.
3. Beginning with either the left or right front wheel, remove the inspection hole plug and line up the hole with one of the brake adjusters.
4. Using a screwdriver, turn the brake shoe adjuster (1) until the front brake locks.

Take care not to damage the aluminum wheel.



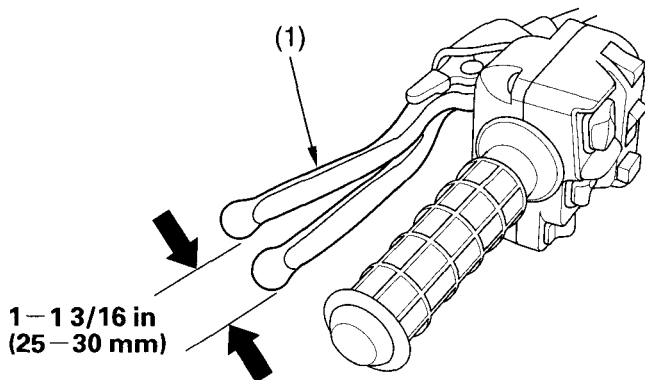
(1) brake shoe adjuster

Brakes

5. Back the adjuster off three clicks, then squeeze the brake lever several times. Spin the wheel manually to make sure the brake does not drag.
6. Line up the inspection hole with the second adjuster and repeat steps 3 through 5.
7. Reinstall the inspection hole plug, seating it into the inspection hole as shown.
8. Follow steps 3 through 7 to adjust the other front brake.
9. Recheck the brake lever freeplay. If freeplay is still excessive after adjusting the brake lining clearance, there is probably air in the brake system and it must be bled out. See your Honda dealer for this service.

Rear Brake Lever Freeplay

LEFT HANDLEBAR



(1) rear brake lever

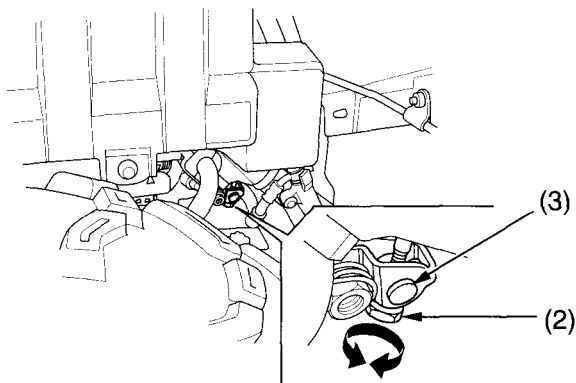
Inspection

1. Depress the rear brake pedal several times.
2. Measure the distance the rear brake lever (1) moves before the brake starts to take hold. Freeplay, measurement at the tip of the end of the brake lever, should be:
1 - 1 3/16 in (25 - 30 mm)
3. If necessary, adjust to the specified range.

Brakes

Adjustment

RIGHT REAR



- (2) brake lever adjusting nut
- (3) brake arm pin

Turn the brake lever adjusting nut (2), located on the brake operating rod at the brake caliper. Make sure the cutout on the adjusting nut is properly seated on the brake arm pin (3).

Other Inspection

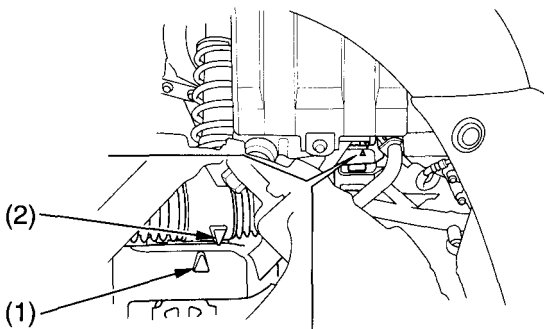
- Check that the brake lever and brake pedal assemblies are positioned properly and the securing bolts are tight.
- Make sure that the brake cables, brake arm, spring, and fasteners are in good condition.

Brake Pad Wear

Refer to *Safety Precautions* on page 97 .

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.

REAR



(1) wear indicator

(2) edge of reference mark

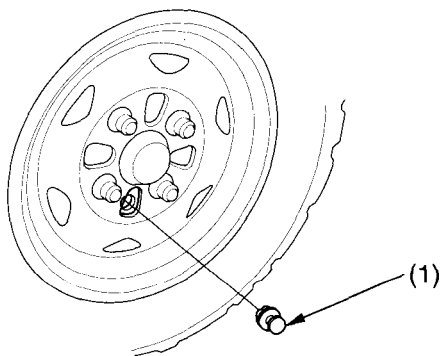
Check the wear indicator. If the wear indicator (1) aligns with the reference mark (2), replace both pads as a set, see your Honda dealer for this service.

Brakes

Draining Water from Brakes

Refer to *Safety Precautions* on page 97 .

FRONT



(1) front brake inspection hole plug

1. Make sure the engine is off and the parking brake is set.
 2. Remove the front brake inspection hole plug (1).
- If any water drains, the brake seals must be replaced by your Honda dealer as soon as possible.

To safely operate your ATV, your tires must be the proper type and size, in good condition with adequate tread, and correctly inflated.

WARNING

Using tires that are excessively worn or improperly inflated can cause a crash in which you can be seriously hurt or killed.

Follow all instructions in this owner's manual regarding tire inflation and maintenance.

This ATV 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.

The following pages give detailed information on how and when to check your air pressure, how to inspect your tires for wear and damage, and our recommendations for tire repair and replacement.

Tires

Air Pressure

Refer to *Safety Precautions* on page 97 .

Properly inflated tires provide the best combination of handling, tread life, and riding comfort. Generally, underinflated tires wear unevenly, adversely affect handling, and are more likely to fail from being overheated. Overinflated tires make your ATV ride more harshly, are more prone to damage from surface hazards, and wear unevenly.

Make sure the valve stem caps are secure. If necessary, install a new cap.

Always check air pressure when your tires are “cold.” If you check air pressure when your tires are “warm” — even if your ATV has only been ridden for a few miles — the readings will be higher. If you let air out of warm tires to match the recommended cold tire pressures, the tires will be underinflated. Be sure to check tire pressure at the riding site, since changes in altitude can affect air pressure.

The recommended “cold” tire pressures are:

		FRONT	REAR
NO CARGO	RECOMMENDED PRESSURE	4.4 psi (30 kPa , 0.30 kgf/cm ²)	3.6 psi (25 kPa , 0.25 kgf/cm ²)
	MAXIMUM PRESSURE	5.0 psi (34 kPa , 0.34 kgf/cm ²)	4.0 psi (28 kPa , 0.28 kgf/cm ²)
	MINIMUM PRESSURE	3.8 psi (26 kPa , 0.26 kgf/cm ²)	3.2 psi (22 kPa , 0.22 kgf/cm ²)
WITH CARGO	RECOMMENDED PRESSURE	4.4 psi (30 kPa , 0.30 kgf/cm ²)	3.6 psi (25 kPa , 0.25 kgf/cm ²)

Tires

A manually operated tire pump should be used rather than the high pressure system found in service stations. This will minimize the possibility of tire damage from overinflation. If you use a high pressure system at a service station, add air in small amounts and check the pressure increase frequently to prevent possible tire damage from overinflation.

WARNING

Operating this ATV with improper tires, or with uneven tire pressure may cause loss of control, and you could be seriously injured or killed.

- 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.

Inspection

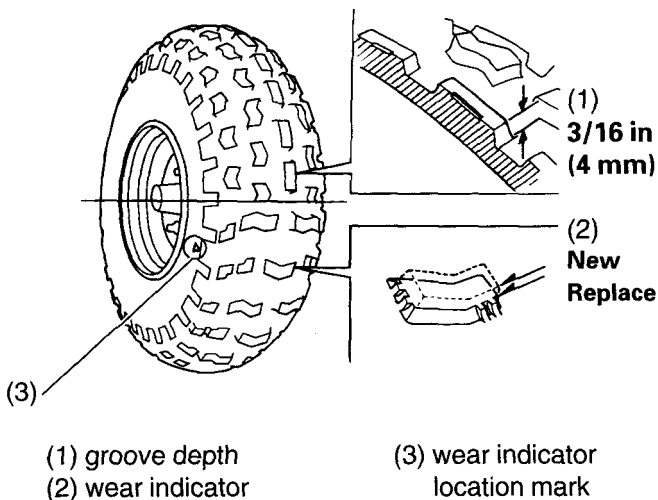
Refer to *Safety Precautions* on page 97.

Whenever you check the tire pressures, you should also look for:

- Bumps or bulges in the side of the tire or the tread. Replace any tire that has a bump or bulge.
- Cuts, slits, or cracks in the tires. Replace the tire if you can see fabric or cord.
- Nails or other foreign objects embedded in the side of the tire or tread.
- Excessive tread wear.

Also, if you hit a pothole or other hard object while riding, stop as soon as you safely can and carefully inspect the tires for damage.

Tread Wear



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).

For best performance, you should replace a tire before the tread depth at the center reaches the following limits:

front	3/16 in (4 mm)
rear	3/16 in (4 mm)

Tires

Tire Repair

Refer to *Safety Precautions* on page 97 .

A tire that is repaired, either temporarily or permanently, will have lower speed and performance limits than a new or undamaged tire.

A temporary repair can sometimes be made in an emergency situation. However, since a temporary repair may not hold, you must ride very slowly, preferably without any cargo, and have the tire replaced or permanently repaired as soon as possible. (For more information on temporary repairs, see *If You Have a Flat Tire*, page 194 .)

A permanent repair, such as an internal plug patch, can be made if a tire has only a small puncture in the tread area. However you may not be able to safely carry as much weight. If you choose to have a tire repaired, be sure the repair work is performed by a professional.

If you have a tire professionally repaired at a non-Honda facility, we recommend that you have the work checked by your Honda dealer.

Tire Replacement

Refer to *Safety Precautions* on page 97.

The tires that came on your ATV were designed to match the performance capabilities of your ATV and provide the best combination of handling, braking, and comfort.

It is best to replace all four tires, however if that is not possible, you must replace the tires in pairs (front or rear) with tires of the same size and type as the originals. Never replace just one tire.

WARNING

Installing improper tires on your ATV can affect handling and stability. This can cause a crash in which you can be seriously hurt or killed.

Always use the size and type of tires recommended in this owner's manual.

The recommended tires for your ATV are:

front	AT25 × 8R12 ★★	H-TRAK-U/R-101
rear	AT25 × 10R12 ★★	H-TRAK-U/R-301

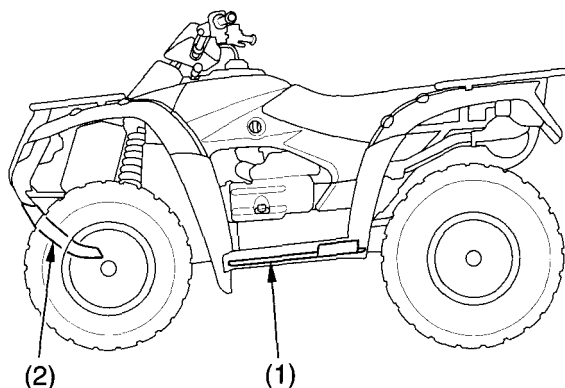
When you replace a tire, remember:

Have the tire replaced by your Honda dealer if possible.

If you have a tire professionally replaced at a non-Honda facility, we recommended that you have the work checked by your Honda dealer.

Engine Guard & Skid Plate

Refer to *Safety Precautions* on page 97.



(1) engine guard

(2) skid plate

The engine guard (1) protect the engine crankcase.

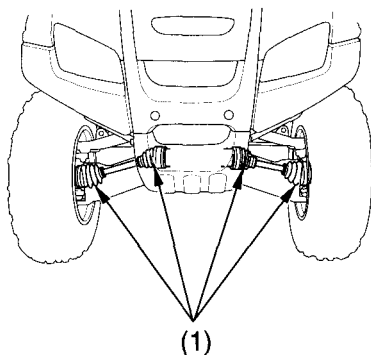
The skid plate (2) protect the frame. Check the guard and plate for cracks, damage or looseness at intervals shown in the Maintenance Schedule.

Have the engine guard and skid plate replaced if they are cracked or damaged. If the guard and plate bolts are loose, tighten them securely.

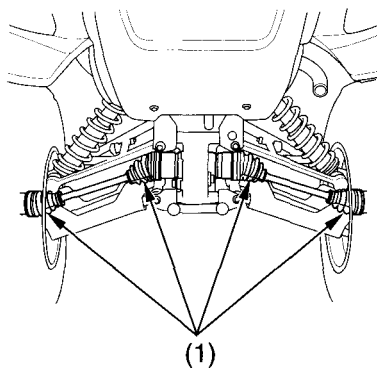
Driveshaft Boots

Refer to *Safety Precautions* on page 97.

FRONT



REAR



(1) driveshaft boots

Check the rubber driveshaft boots (1) for damage or leaking grease. If necessary, have your Honda dealer replace them.

Battery

Your ATV has a maintenance-free type battery. You do not have to check the battery electrolyte level or add distilled water as you would with a conventional-type battery.

NOTICE

Your battery is a maintenance-free type and can be permanently damaged if the cap strip is removed.

Electrical accessories use current from the battery — even when the ignition is OFF. Limited operation also allows the battery to discharge. If you have electrical accessories on your ATV — or do not ride frequently, we recommend that you charge the battery frequently (see *Battery Charging*, page 168).

If you do not expect to ride your ATV for at least two weeks, we recommend you remove the battery — or at least disconnect the battery cables (negative cable first).

If you plan to store your ATV, see *Battery Storage*, page 165 .

If your battery seems weak and/or is leaking electrolyte (causing slow starting or other electrical problems), see your Honda dealer.

WARNING: Battery posts, terminals and related accessories contain lead and lead compounds. **Wash your hands after handling.**

Battery Storage

Refer to *Safety Precautions* on page 97.

If you plan to store your ATV, we recommend you remove the battery and store it where it can be charged at least every 30 days to maintain its service life.

If you do not remove the battery, we recommend disconnecting the battery cables (negative cable first).

You will get the best storage results from removing the battery and slow (trickle) charging it every 30 days (see *Battery Charging*, page 168).

Before you remove the battery, be sure to read all the information that follows, as well as the information on the battery label.

WARNING

The battery gives off explosive hydrogen gas during normal operation.

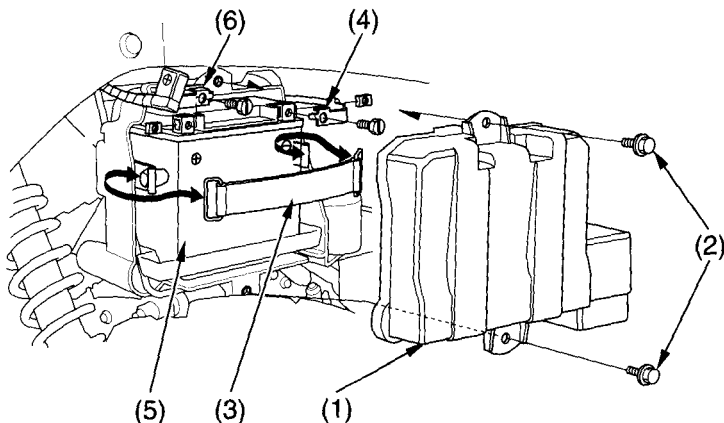
A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you.

Wear protective clothing and a face shield, or have a skilled mechanic do the battery maintenance.

Battery

The battery is located under the rear fender.

UNDER SEAT



(1) battery cover

(2) bolts

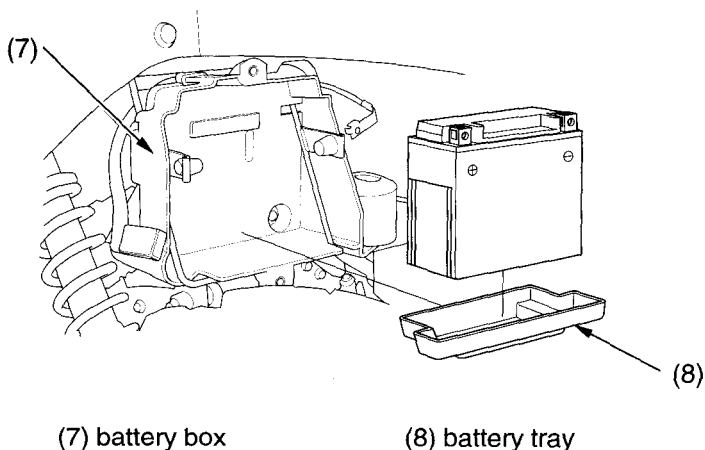
(3) rubber band

(4) negative (-) terminal lead

(5) battery

(6) positive (+) terminal lead

1. Make sure the ignition switch is OFF ($\bigcirc$).
2. Remove the battery cover (1) by removing the bolts (2).
3. Release the rings and remove the rubber band (3).
4. Disconnect the negative (-) terminal lead (4) from the battery (5) first, then disconnect the positive (+) terminal lead (6).



(7) battery box

(8) battery tray

5. Remove the battery from battery box (7) and battery tray (8).
6. Charge the battery (see following section), unless you have been riding regularly.
7. Store your battery in an easy-to-reach location off the floor, in an area protected from freezing temperature and direct sunlight.
8. Clean the battery box after removing the battery for storage. Dry the battery box and, if paint is missing, re-paint the area.
9. Slow charge the battery (see following section) once every 30 days.

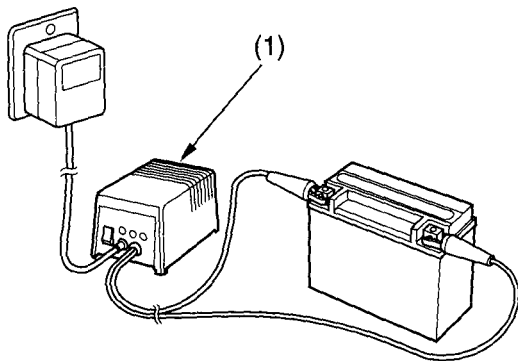
Installation

1. Install in the reverse order of removal.
2. Check all bolts and other fasteners are secure.

Battery

Battery Charging

Refer to *Safety Precautions* on page 97.



(1) “trickle” charger

Be sure to read the information that came with your battery charger and follow the instructions on the battery. Improper charging may damage the battery.

We recommend using a “trickle” charger (1) for home charging. These units can be left connected for long periods without risking damage to the battery. However, do not intentionally leave the charger connected longer than the time period recommended in the charger’s instructions.

Avoid using an automotive-type battery charger. An automotive charger can overheat an ATV battery and cause premature damage.

Appearance Care

Frequent cleaning and polishing will keep your Honda looking newer longer.

Frequent cleaning also identifies you as an owner who values his ATV. A clean ATV is also easier to inspect and service.

General Recommendations

Refer to *Safety Precautions* on page 97.

- To clean your ATV, you may use:
 - water
 - a mild, neutral detergent and water
 - a mild spray and wipe cleaner/polisher
 - a mild spray and rinse cleaner/degreaser and water
- Avoid products that contain harsh detergents or chemical solvents that could damage the metal, paint, and plastic on your ATV.
- If your ATV is still warm from recent operation, give the engine and exhaust system time to cool off.
- Park in a shady area. Washing your ATV 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.
- Clean your ATV regularly to protect surface finishes.
- We recommend the use of a garden hose to wash your ATV. High pressure washers (like those at coin-operated car washers) can damage certain parts of your ATV.

NOTICE

High pressure water (or air) can damage certain parts of your ATV.

- After cleaning, inspect for damage, wear, and leaks (fuel, oil, coolant and brake fluid).

Appearance Care

Washing Your ATV with a Mild Detergent

Refer to *Safety Precautions* on page 97.

1. Rinse your ATV thoroughly with cool water to remove loose dirt.
2. Fill a bucket with cool water. Mix in a mild, neutral detergent, such as dish washing liquid or a product made especially for washing motorcycles or automobiles.
3. Wash your ATV with a sponge or soft towel. As you wash, check for heavy grime. If necessary, use a mild cleaner/degreaser to remove the grime.
4. After washing, rinse your ATV thoroughly with plenty of clean water to remove any residue. Detergent residue can corrode alloy parts.
5. Dry your ATV with a chamois or a soft towel. Leaving water on the surface to air dry can cause dulling and water spots. As you dry, inspect for chips and scratches.
6. Start the engine and let it idle for several minutes. The engine heat will help dry moist areas.
7. As a precaution, ride your ATV at a slow speed and apply the brakes several times. This will help dry the brakes and restore normal braking performance.

If the inside of the headlight lens appears clouded immediately after washing, it should clear after a few minutes of riding.

Spray Cleaning Your ATV

Refer to *Safety Precautions* on page 97.

Avoid using spray cleaner products on the tires or suspension components.

Suggestions for using spray cleaner(s) follow:

ATV condition	Recommended Cleaning
Dust and fingerprint smudges.	Apply a spray cleaner/polish and wipe paint, chrome, glass, and clear plastic.
Light road grimes.	Spray any difficult-to-reach or very dirty areas with a spray cleaner/degreaser. Rinse and dry. Apply a spray cleaner/polish and wipe with a non-abrasive cloth.
Heavy grime. Oil leaks. Brake dust.	Use a spray cleaner/degreaser. If necessary, rub with a sponge. Rinse and dry. Apply a spray cleaner/polish and wipe with a non-abrasive cloth.
Dull, corroded chrome or aluminum.	Apply a high quality chrome/aluminum polish and wipe with a non-abrasive cloth.

Appearance Care

Aluminum Wheel Maintenance

Refer to *Safety Precautions* on page 97 .

Aluminum may corrode from contact with dirt, mud, or road salt. Clean the wheels after riding through any of these substances. Use a wet sponge and mild detergent. Avoid stiff brushes, steel wool, or cleaners containing abrasives or chemical compounds.

After washing, rinse with plenty of water and dry with a clean cloth. To apply a mild, commercially-available spray cleaner/polish or wax.

Then stained or dull-looking wheels, use a quality chrome/aluminum polish to restore the finish.

Finishing Touches

Refer to *Safety Precautions* on page 97.

After washing your ATV, consider using a commercially-available spray cleaner/polish or quality liquid or paste wax to finish the job. Use only a non-abrasive polish or wax made specifically for motorcycles or automobiles. Apply the polish or wax according to the instructions on the container.

If a surface on your ATV is chipped or scratched, your Honda dealer has touch-up paint to match your ATV's color. Be sure to use your ATV's color code (page 207) when you buy touch-up paint.

If the frame has a chip that exposes the metal, first apply primer (to prevent corrosion) and then apply the touch-up paint. Several thin layers of touch-up paint are better than one thick coat.

Here's helpful advice on how to prepare for an off-road adventure, how to transport and store your Honda, and how to be an environmentally responsible ATV owner.

Preparing for a Ride	176
What to Take to The Riding Area	176
What to Take on The Trail	177
Transporting Your Honda	178
Storing Your Honda	180
You & the Environment	184

Preparing for a Ride

A safe and enjoyable ride begins with good planning and preparation. Always ride with at least one other person in case you have trouble, and let someone know where you're going and when you expect to return.

Before riding in an unfamiliar area, find out in advance if you need special permits, get maps so you can study the terrain, and talk to other riders who know the area. The Forest Service and the Bureau of Land Management (USA only), the Ministry of Natural Resources (Canada only), riding clubs, and off-road magazines are good sources of information.

What to Take to the Riding Area

Along with your ATV and riding gear, you should take along some tools and supplies in case you have a problem. For some of the difficulties you might encounter, see *Taking Care of the Unexpected*, which begins on page 185.

We recommend that you always take water, food, a first aid kit, and your owner's manual. Other items you should consider loading on your truck or trailer include:

- a tool kit
- tire repair supplies and tools, and tires
- extra parts, control levers, cables, and spark plugs
- wire, duct tape, and rope
- extra gasoline

For safety, all refueling should be done at a gas station on the way to the riding area or at your base camp.

Preparing for a Ride

What to Take on the Trail

What you take with you during a ride depends on the kind of terrain, how long you expect to ride, how far you might go from your base camp or help, and how experienced you or your companions are in making repairs.

If you decide to take some tools, spare parts, or other supplies on the trail, be sure you can carry them safely and know how to use them. Also, be sure to follow the loading guidelines and weight limit (page 52).

Transporting Your Honda

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

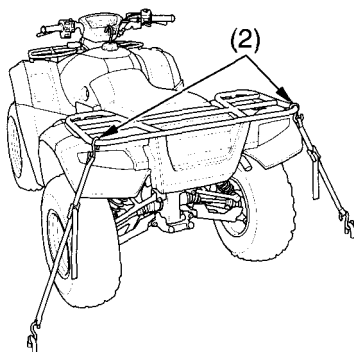
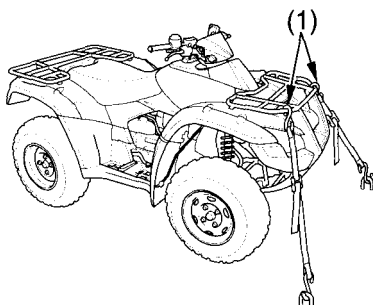
When you transport your ATV, we recommend that you carry the vehicle in its normal operating position (on all four wheels) and follow these procedures:

1. Set the parking brake.
2. Turn the fuel valve OFF.
3. Secure the vehicle with “tie-down straps” in the areas shown.

Suitable “tie-down straps” are available from your Honda dealer.

Ordinary rope is not recommended because it can stretch under load.

Using tie-down straps in any other areas can damage your ATV.



(1) front cargo rack

(2) rear cargo rack

Transporting Your Honda

If it is necessary to incline your ATV 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.

WARNING

Inclining this ATV without first draining fuel from the carburetor could cause the fuel to explode or ignite.

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.

Storing Your Honda

If you won't be riding for an extended period, such as during the winter, thoroughly inspect your ATV and correct any problem before storing it. That way, needed repairs won't be forgotten and it will be easier to get your ATV running again.

For more information about storage, refer to the *Honda Motorcycle Winter Storage Guide*, available from your Honda dealer (USA only).

We suggest you perform the following procedures to keep your ATV in top condition. These storage procedures will reduce the deterioration that can occur during storage.

Storing Your Honda

Preparation for Storage

Refer to *Safety Precautions* on page 97 .

This procedure requires a means for draining and disposing of drained fuel (page 184).

1. Change the engine oil and filter (page 117).
2. Make sure the cooling system is filled with a 50/50% antifreeze solution (page 124).
3. Fill the fuel tank. Make sure the fuel fill cap is properly installed.
4. Check that the fuel valve is OFF.
5. Drain the carburetor into an approved gasoline container and dispose of it in an approved manner (page 184).

If storage will last longer than one month, carburetor draining is important, to assure proper performance after storage.

WARNING

Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel.

- Stop the engine and keep heat, sparks and flame away.
- Handle fuel only outdoors.
- Wipe up spills immediately.

(cont'd)

Storing Your Honda

6. To prevent rusting in the cylinders, perform the following:
 - Remove the spark plug cap from the spark plug.
 - Remove the spark plug.
Do not connect the spark plug to the spark plug cap.
 - Pour a tablespoon (15 – 20 cc) of clean engine oil into cylinder and cover the spark plug hole with a piece of cloth.
 - With the engine stop switch in the OFF () position, press the start button several times to crank the engine and distribute the oil.
 - Reinstall the spark plug and spark plug cap.
7. Remove the battery and charge it fully. Store it in an area protected from freezing temperatures and direct sunlight. Slow charge the battery (page 170) once a month.

WARNING

The battery gives off explosive hydrogen gas during normal operation.

A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you.

Wear protective clothing and a face shield, or have a skilled mechanic do the battery maintenance.

8. Wash and dry your ATV. Wax all painted surfaces.
9. Inflate the tires to their recommended pressures (page 156).
10. Store your ATV in an unheated area, free of dampness, away from sunlight, with a minimum of daily temperature variation.
11. Place your ATV on blocks to lift both tires off the floor.
12. Cover your ATV with a porous material. Avoid using plastic or similar non-breathing, coated materials that restrict air flow and allow heat and moisture to accumulate.

Removal from Storage

Refer to *Safety Precautions* on page 97 .

1. Uncover and clean your ATV.
2. If your ATV has been stored for more than four months — change the engine oil (page 117).
3. If your ATV has been stored for more than two months — ask your Honda dealer to drain and replace the fuel.
4. Charge the battery (page 168) as required. Install the battery.
5. Perform a pre-ride inspection (page 47), then test-ride your ATV at low speeds.

You & the Environment

Owning and riding an ATV can be enjoyable, but you must do your part to protect nature. When you show respect for the land, wildlife, and other people, you also help preserve the sport of off-road riding.

Following are tips on how you can be an environmentally-responsible ATV owner.

- **Tread Lightly.** Stay on existing roads and trails, avoid surfaces that are easily damaged, and ride only in areas approved for off-road vehicles.
- **Keep the Noise Down.** Loud vehicles can be offensive. Ride as quietly as possible, don't remove your spark arrester, and don't modify the muffler or any other part of your air intake and exhaust systems. Such modifications not only increase noise, they also reduce engine performance and may be illegal.
- **Choose Sensible Cleaners.** Use a biodegradable detergent when you wash your ATV. Avoid aerosol spray cleaners that contain chlorofluorocarbons (CFCs) which damage the atmosphere's protective ozone layer. Don't throw cleaning solvents away; see the following guidelines for proper disposal.
- **Recycle Wastes.** It's illegal and thoughtless to put used engine oil in the trash, down a drain, or on the ground. Used oil, gasoline, and cleaning solvents contain poisons that can hurt refuse workers and contaminate our drinking water, lakes, rivers, and oceans. Before changing your oil, make sure you have the proper containers. Put oil and other toxic wastes in separate sealed containers and take them to a recycling center. Call your local or state office of public works or environmental services to find a recycling center in your area, and to get instructions on how to dispose of non-recyclable wastes.

Taking Care of the Unexpected

With all the challenges you can encounter off-road, there's a chance that sometime something may go wrong. This section gives practical advice to help you deal with a wide range of problems. Take time to read this section before you ride. Also review the tips in *Preparing for a Ride* (page 176).

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Taking Care of the Unexpected

General Guidelines

Keeping your ATV well-maintained is the best way to reduce the possibility of having a problem while riding. However, problems can arise even with well-maintained machines.

Remember to take along your owner's manual, the tool kit that came with your ATV, and any other items (such as tire repair supplies and additional tools) that might help you solve a problem on your own.

If something goes wrong during a ride, the first thing to do is stop as soon as you safely can. Do not continue riding if you have a flat tire, or you hear an unusual noise, or your ATV just doesn't feel right. If you continue riding, you could cause more damage and endanger your own safety.

After a stop, take time to assess the situation. Carefully inspect your ATV to identify the problem, then consider your options before you decide what to do.

If a problem is relatively minor and you have the tools, supplies, and skills to make a permanent repair, you may be able to fix it on the trail and continue riding. Or, you may be able to make a temporary repair that allows you to slowly ride back to your base where you can make a permanent repair or get help.

When a problem is more serious — or you don't have the tools, supplies, experience, or time to deal with it — you need to choose the safest way to get yourself and your ATV back to base. For example, if you are close enough, you (or you and another person) might be able to push it back.

Taking Care of the Unexpected

Should you ever have a problem while riding, please follow these guidelines:

- Always put personal safety first.
- Take time to assess the situation and your options before deciding what to do.
- If the problem is relatively minor and you have the tools, supplies, and skills to make a temporary repair, be sure to have permanent repairs made as soon as possible.
- Do not continue riding if you are hurt or your ATV is not in safe riding condition.

Additional recommendations for specific problems follow.

If Your Engine Quits or Won't Start

Proper operation and maintenance can prevent starting and engine performance problems. In many cases, the cause of the problem may be a simple operational oversight.

If you have a problem starting the engine — or experience poor engine performance — the following information may help you. If you can't correct the problem, see your Honda dealer.

If your ATV won't start, listen as you press the start button. If you don't hear the starter motor turning, refer to the *Starter motor doesn't operate* symptom. If you can hear the starter motor working normally, refer to the *Starter motor works, but the engine won't start* symptom.

If Your Engine Quits or Won't Start

SYMPTOM: **Starter motor doesn't operate.**

POSSIBLE CAUSE	WHAT TO DO
ignition switch OFF	Turn the ignition switch ON.
engine stop switch OFF	Turn the engine stop switch to RUN.
transmission not in neutral	Shift into neutral.
blown fuse	Replace with a new fuse of the same rating (page 198).
battery lead loose	Tighten the battery lead. Charge the battery (page 170). If charging doesn't help, see your Honda dealer.
faulty starter motor	If all possible causes are negative, the starter motor may be faulty. See your Honda dealer.

SYMPTOM: **Starter motor works, but the engine won't start.**

POSSIBLE CAUSE	WHAT TO DO
out of fuel	Fill the fuel tank.
flooded engine	See <i>Flooded Engine</i> (page 67).
loose or unconnected spark plug cap	Install the spark plug cap securely. If the engine still won't start, see your Honda dealer.
loose battery cables	Tighten the battery terminal bolts.
weak battery	Charge the battery (page 170). If charging doesn't help, see your Honda dealer.

If Your Engine Quits or Won't Start

SYMPTOM: Engine starts, but runs poorly.	
POSSIBLE CAUSE	WHAT TO DO
idles roughly, too fast, stalls	Check engine idle adjustment (page 137). If the problem persists, see your Honda dealer.
poor engine performance at altitudes above 3,000 feet.	Ask your Honda dealer to modify the carburetion with a high altitude jet. Refer to <i>High Altitude Carburetor Adjustment</i> , page 213.
oil/coolant high temperature	Check the oil/coolant high temperature indicator. Refer to <i>If the Oil/Coolant High Temperature Indicator Lights</i> , page 197.
runs erratically, misfires	See your Honda dealer.
blubbers (rich fuel mixture)	See your Honda dealer.
sooty exhaust (rich fuel mixture)	See your Honda dealer.
detonates or pings under load	If applicable, switch to the recommended octane gasoline (page 109) or change your brand of gasoline. If the problem persists, see your Honda dealer.
afterfires (backfires)	See your Honda dealer.
pre-ignition (runs on after ignition switched OFF)	See your Honda dealer.

If the Transmission Is Not Functioning Properly

Manual Shift (EPS) Mode:

If one or both shift switches do not function, stop riding your ATV in the ESP mode. Switch to riding in the AUTO (automatic shift) mode. Have your ATV inspected and repaired by your Honda dealer.

Automatic Shift (Auto) Mode:

When the automatic transmission is not shifting properly, the gear position indicator will show “- -” and blink.

See your Honda dealer to check and restore the automatic transmission.

If the gear position indicator shows “- -” and blinks while riding, perform the following:

1. Stop the ATV.
2. Turn the ignition switch to the “OFF” (O) position.
3. After the engine stops, turn the ignition switch to the “ON” (I) position.
4. Check the gear position indicator.

When the “- -” is blinking on the gear position indicator:

Restart the engine; drive the vehicle to a location where it can be loaded and transported to a Honda dealer.

When the display on the gear position indicator returns to normal:

You may drive the vehicle as usual after restarting the engine.

However, we urge you to have your ATV inspected by your Honda dealer.

(cont'd)

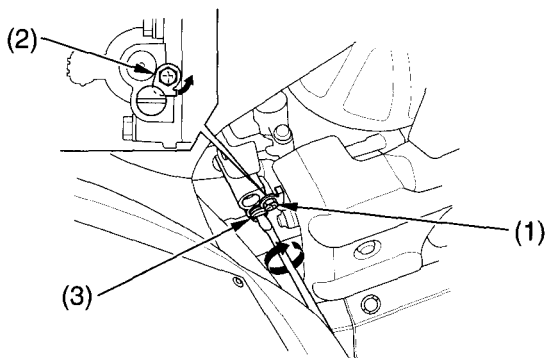
If the Transmission Is Not Functioning Properly

Although “- -” is not blinking in the gear position indicator, the vehicle does not move:

If your ATV won't move, it is possible the transmission is locked. Use the following procedure to unlock the transmission.

1. Shift the gearshift lever in Neutral (N) position.
2. Apply the parking brake.
3. Turn the ignition switch to the “OFF” (O) position.
4. Loosen the screw (1) and release the lock plate (2).
5. Turn the emergency valve (3) all the way in. With the engine running, your ATV will move forward slowly at idle.
6. See your Honda dealer as soon as possible.

LEFT SIDE



(1) screw

(2) lock plate

(3) emergency valve

If the Battery is Dead

Your ATV will operate even if the battery is dead, as long as the engine is running. If the engine is not running, it may be started using the recoil starter. See your Honda dealer to have the battery recharged or replaced.

1. Shift the gearshift lever in Neutral (N) position.
2. Apply the parking brake.
3. Turn the ignition switch to the “ON” (I) position.
4. Use the recoil starter (page 69) to start the engine.

If You Have a Flat Tire

How you handle a flat tire on the trail depends on how serious the tire damage is, and what tools and supplies you have with you.

If you have a slow leak or a minor puncture, 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 your Honda dealer. Any tire that cannot be repaired should be replaced.

Whenever the ATV 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.

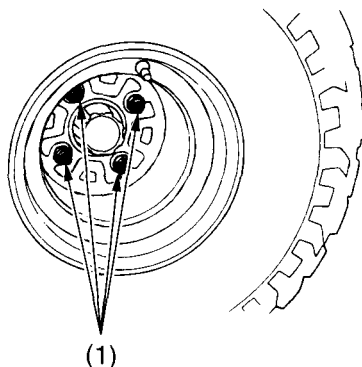
If the leak is more serious, or a temporary repair doesn't hold, the tire must be replaced. The tire will also need to be replaced if it is damaged (page 159). Replacing a tire involves removing and re-installing the wheel (page 195).

If you are unable to repair a flat tire on the trail, you will need to send for help. We strongly recommend that you do not try to ride with a flat tire. The ATV will be hard to handle, and if the tire comes off the rim, it may lock up the wheel and cause you to crash.

If You Have a Flat Tire

Emergency Wheel Removal/Installation

Refer to *Safety Precautions* on page 97 .



(1) wheel nuts

Removal

1. Park your ATV on a firm, level surface.
2. Raise the front (or rear) wheels off the ground and place a support block under the vehicle.
3. Remove the wheel nuts (1) with a 17 mm socket wrench.
4. Remove the wheel.

If You Have a Flat Tire

Installation

1. Position the wheel.
2. Position the wheel nuts.
3. Tighten the wheel nuts in a crisscross (rather than a circular) pattern to the specified torque:
47 lbf•ft (64 N•m, 6.5 kgf•m)

If a torque wrench was not used for installation, see your Honda dealer as soon as possible to verify proper assembly. Improper assembly may lead to loss of braking capability.

If the Oil/Coolant High Temperature Indicator Lights

Normally, the oil/coolant high temperature indicator will only light momentarily when you turn the ignition ON (I). Occasionally, it may flicker at or near idling speed.

Oil/coolant high temperature may be caused by restriction of air flow to the radiator (such as mud caked on the radiator), extended idling, an oil leak, a coolant leak, a low oil level, a low coolant level, or extended operation under adverse conditions.

If the indicator comes on while you're riding, don't ignore it. Pull safely to a stop. Stop the engine as soon as it's safe to do so, and let it cool.

NOTICE

Continuing to ride with low oil pressure or an overheated engine can cause serious engine damage.

- A steaming engine indicates a coolant leak. Shut the engine off and wait until the steaming stops. Look for a leak, but don't touch the engine or radiator system. Let everything cool off first.
- Check for any restriction of air flow to the radiator.
- If there's no obvious problem, leave the engine on so the fan and coolant circulating system can continue working. Monitor the temperature indicator. The indicator may turn off after a brief stop with no load on the engine.
- Check the radiator fan.

If the fan is not working, turn the engine off. Open the fuse box (page 198) and check the radiator fan fuse. If the fuse is blown, replace it with the proper (same rating) spare fuse. Start the engine. If the temperature indicator comes on and stays on, turn the engine off.

If the radiator fan is working, visually check the coolant level in the reserve tank, located under the rear fender. It isn't necessary to touch the radiator system.

If the Oil/Coolant High Temperature Indicator Lights

- If the reserve tank is low or empty, don't ride without adding coolant (page 125). After adding coolant, turn the engine on and check the temperature indicator.

If the indicator doesn't turn off, do not ride. The engine needs repair. Transport your ATV to a Honda dealer (page 178).

If the temperature drops to normal, check the coolant level. If it has gone down, add more coolant.

- Check for an oil leak.
- Check the oil level. If necessary, add the recommended oil (page 112) to the upper level mark. If you must leave your ATV to get oil, secure it as much as possible.
- Start the engine, and check that the oil/coolant high temperature indicator goes off.

If you are able to resume riding, continue to monitor the temperature indicator frequently.

If there is an oil leak — do not ride the ATV until the leak is repaired by Honda dealer (page 178).

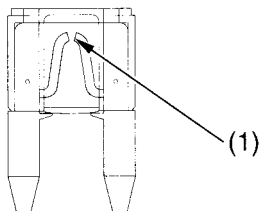
If there's a mild coolant leak, you can ride for awhile, carefully watching the indicator. Be prepared to stop and add more coolant or water. If the leak is bad, transport your ATV to a Honda dealer (page 178).

If a Fuse Blows

All of the electrical circuits on your ATV have fuses to protect them from damage caused by excess current flow (short circuit or overload).

If something electrical on your ATV stops working, the first thing you should check for is a blown fuse (1).

Check all the fuses before looking elsewhere for another possible cause of the problem. Replace any blown fuses and check component operation.



(1) blown fuse

The main fuse and the circuit fuses are located in the battery compartment.

Recommended Fuses

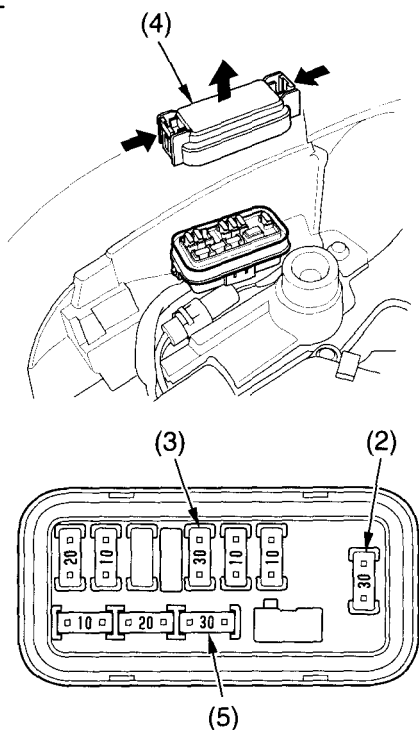
main fuse 1	30 A
main fuse 2	30 A
other fuse	20 A $\times$ 1, 10 A $\times$ 3

If a Fuse Blows

Main Fuse Access

1. To prevent an accidental short circuit, turn the ignition switch OFF (○) before checking or replacing the fuses.
2. Remove the seat (page100).
3. To access the main fuse (2) (3), remove the fuse box cover (4).

UNDER SEAT



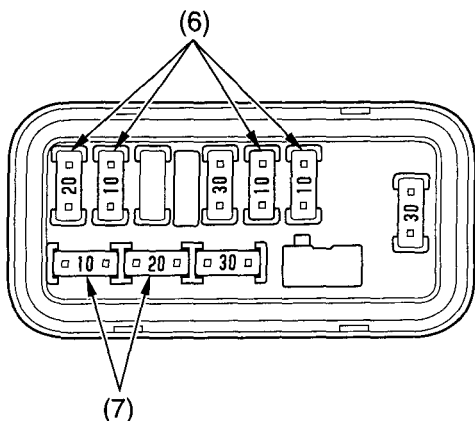
(2) main fuse 1
(3) main fuse 2

(4) fuse box cover
(5) spare main fuse

4. Pull the main fuse out.

If it is blown, install the spare main fuse (5).

If a Fuse Blows



(6) circuit fuse

(7) spare fuses

Circuit Fuse Access

5. To check or replace a circuit fuse (6), pull the old fuse out of its retaining clips.

If the fuse is blown, replace it with a spare fuse (7) of the same rating or lower.

6. Install the fuse box cover.

7. Install the seat.

If you do not have a replacement fuse with the proper rating for the circuit, install one with a lower rating.

NOTICE

Replacing a fuse with one that has a higher rating greatly increases the chance of damage to the electrical system.

If You Crash

Personal safety is your first priority after an accident. If you or anyone else has been injured, take time to assess the severity of the injuries and whether it is safe to continue riding. If you cannot ride safely, send someone for help. Do not ride if you will risk further injury.

If you decide you are capable of riding safely, carefully inspect your ATV for damage and determine if it is safe to ride. Check the tightness of critical nuts and bolts securing such parts as the handlebar, control levers, brakes, and wheels.

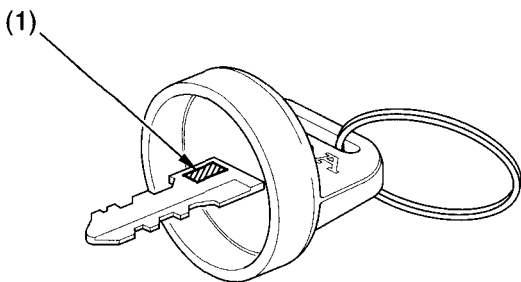
If there is minor damage, or you are unsure about possible damage but decide to try riding the ATV back to your base, ride slowly and cautiously.

Sometimes, crash damage is hidden or not immediately apparent. When you get home, thoroughly check your ATV and correct any problems you find. Also, be sure to have your Honda dealer check the frame and suspension after any serious crash.

If You Lose Your Key

Be sure to record your key number (1) in the Quick Reference section at the rear of the manual. You'll need this number to have a duplicate key made.

If you lose your key and aren't carrying a duplicate, either get your spare or have one made. If you don't know your key number, call the dealer you purchased your Honda from. They may have it listed in their records. If they don't, transport your ATV to them or the nearest Honda dealer. The dealer will probably have to remove the ignition switch assembly to find the key number so they can make a key for you.



(1) key number

If a Component Fails

The brake levers or pedal, control cables, and other components can be damaged as you ride in dense brush or over rocky terrain. Making a trailside repair depends on how serious the damage is and what tools and supplies you have with you.

- If any component of the brake system is damaged, you may be able to ride carefully back to your base using the other brake components for slowing or stopping.
- If you damage a throttle cable or other critical component, your ATV may be unsafe to ride. Carefully assess the damage and make any repairs that you can. But if there is any doubt, it's best to be conservative and safe.

Technical Information

This section contains dimensions, capacities, and other technical data, plus information on government requirements and how to break-in your ATV.

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Specifications	208
Break-in Guidelines	212
High Altitude Carburetor Adjustment.....	213
Emission Control Systems.....	214
Oxygenated Fuels.....	217

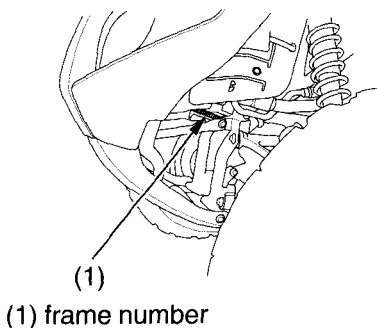
Vehicle Identification

Serial Numbers

The frame and engine serial numbers and key number may be required when ordering replacement parts. You may record these numbers in the Quick Reference section at the rear of this manual.

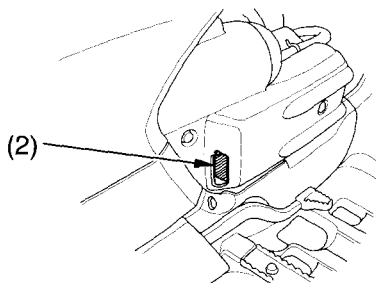
The frame number (1) is stamped on the front of the frame.

FRONT



The engine number (2) is stamped on the upper side of the rear crankcase.

RIGHT SIDE



(2) engine number

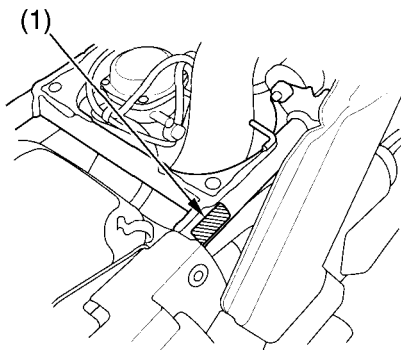
Vehicle Identification

Color Label & Code

The color label (1) is attached to the frame under the seat. Remove the seat (page 108) to check the label.

The color code is helpful when ordering replacement parts. You may record the color and code in the Quick Reference section at the rear of this manual.

UNDER SEAT



(1) color label

Specifications

Dimensions	
overall length	83.2 in (2,113 mm)
overall width	46.8 in (1,189 mm)
overall height	47.5 in (1,207 mm)
wheelbase	50.7 in (1,289 mm)
ground clearance	9.2 in (234 mm)

Weight	
dry weight	600 lbs (273 kg)

Fuel & Lubricants	
fuel recommendation	unleaded gasoline, pump octane number of 86 or higher
fuel tank capacity	4.49 US gal (17.0 l) including reserve
fuel tank reserve	0.82 US gal (3.1 l)
engine oil capacity	after disassembly: 4.3 US qt (4.1 l) after draining: 3.0 US qt (2.8 l)
engine oil recommendation	API Service Classification SG or higher except oils labeled as energy conserving on the circular API service label, SAE 10W-40, 5W-30, JASO T 903 standard MA, Pro Honda GN4 or HP4 (without molybdenum additives) 4-stroke oil (USA & Canada) or Honda 4-stroke oil (Canada only), or an equivalent motorcycle oil

Specifications

Fuel & Lubricants (cont'd)

cooling system recommendation	Pro Honda HP Coolant or an equivalent high quality ethylene glycol antifreeze containing corrosion protection inhibitors specifically recommended for use in aluminum engines
cooling system capacity	2.1 US qt (2.0 ℓ)

Capacities

passenger capacity	operator only
maximum weight capacity	485 lbs (220 kg) rider, all cargo and accessories

Engine Specifications

displacement	39.57 cu-in (648.7 cm ³)
bore & stroke	3.94 × 3.25 in (100.0 × 82.6 mm)
compression ratio	9.2 : 1
spark plug (standard)	IFR5L11 (NGK) or VK16PRZ11 (DENSO)
spark plug (high speed riding)	IFR6L11 (NGK) or VK20PRZ11 (DENSO)
valve clearance (cold)	intake: 0.006 in (0.15 mm) exhaust: 0.013 in (0.33 mm)
idle speed	1,400 ± 100 rpm

Specifications

Power Transmission		
primary reduction		1.333
secondary reduction		
	forward	2.000
	reverse	2.375
transmission ratio	1st	2.053
	2nd	1.375
	3rd	0.933
final reduction		
	front	3.231
	rear	3.154
final drive		shaft
reverse gear ratio		2.138

Chassis & Suspension		
caster		1.6°
trail		0.08 in (2.1 mm)
tire size, front		AT25 × 8R12 ★★
tire size, rear		AT25 × 10R12 ★★
tire pressure, front & rear (cold)	front	4.4 psi (30 kPa , 0.30 kgf/cm ²)
	rear	3.6 psi (25 kPa , 0.25 kgf/cm ²)
maximum tire pressure, front & rear (cold)	front	5.0 psi (34 kPa , 0.34 kgf/cm ²)
	rear	4.0 psi (28 kPa , 0.28 kgf/cm ²)
minimum tire pressure, front & rear (cold)	front	3.8 psi (26 kPa , 0.26 kgf/cm ²)
	rear	3.2 psi (22 kPa , 0.22 kgf/cm ²)

Specifications

Electrical

battery	12 V – 12 Ah
generator	0.36 kW/5,000 rpm

Lights

headlight	12 V 40/40 W $\times$ 2
brake/tail light	12 V 21/5 W $\times$ 2
neutral indicator	LED
reverse indicator	LED
oil/coolant high temperature indicator	LED
4WD indicator	LED

Fuses

main 1	30 A
main 2	30 A
other	20 A $\times$ 1, 10 A $\times$ 3

Torque Specification

crankcase drain bolt	18 lbf·ft (25 N·m , 2.5 kgf·m)
oil filter bolt	13 lbf·ft (18 N·m , 1.8 kgf·m)
rear final gear case oil drain bolt	9 lbf·ft (12 N·m , 1.2 kgf·m)
differential oil drain bolt	9 lbf·ft (12 N·m , 1.2 kgf·m)
wheel nuts	47 lbf·ft (64 N·m , 6.5 kgf·m)

Break-in Guidelines

Help assure your ATV's future reliability and performance by paying extra attention to how you ride during the first operating day or 15 miles (25 km).

During this period, avoid full-throttle starts and rapid acceleration.

High Altitude Carburetor Adjustment

Your engine's air-fuel mixture becomes overly rich when operated at high altitudes. Above 3,000 feet (1,000 m), a rich mixture can cause driveability problems, reduce engine performance, and increase fuel consumption. To compensate, you can have the carburetor adjusted for high altitude riding. See your Honda dealer.

A high altitude jet is available to compensate for high altitude richness. 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 a Honda dealer.

However, the carburetor must be returned to standard factory specifications before riding again at lower altitudes (below 5,000 feet, 1,500 m).

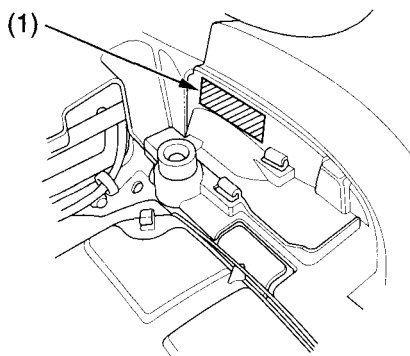
Sustained riding at lower altitudes with the lean high-altitude setting may cause rough idling, stalling, or engine damage from overheating.

Emission Control Systems

Exhaust Emission Requirements

The California Air Resources Board (CARB) requires that your ATV comply with applicable exhaust emissions standards during its useful life, when operated and maintained according to the instructions provided.

The Vehicle Emission Control Information Label (1) is attached on the rear fender below the seat.



(1) vehicle emission control information label

Emission Control Systems

Source of Exhaust Emissions

The combustion process produces carbon monoxide (CO), oxides of nitrogen (NO_x), and hydrocarbons (HC). Control of hydrocarbons and oxides of nitrogen is very important because, under certain conditions, they react to form photochemical smog when subjected to sunlight. Carbon monoxide does not react in the same way, but it is toxic.

Honda Motor Co., Ltd. utilizes lean carburetor settings and other systems to reduce carbon monoxide and hydrocarbons.

Exhaust Emission Control System

The exhaust emission control system consists of lean carburetor settings, and no adjustment should be made except idle speed adjustment with the throttle stop screw. The exhaust emission control system is separate from the crankcase emission control system.

Crankcase Emission Control System

The engine is equipped with a closed crankcase system to prevent discharging crankcase emissions into the atmosphere. Blow-by gas is returned to the combustion chamber through the air cleaner and the carburetor.

Problems That May Affect ATV Exhaust Emissions

If you are aware of any of the following symptoms, have the vehicle inspected and repaired by your Honda ATV dealer.

Symptoms:

1. Hard starting or stalling after starting
2. Rough idle
3. Misfiring or backfiring during acceleration
4. After-burning (backfiring)
5. Poor performance (driveability) and poor fuel economy

Emission Control Systems

Noise Emission Control System

TAMPERING WITH THE NOISE CONTROL SYSTEM IS PROHIBITED:

State laws prohibit, or Canadian provincial laws may prohibit the following acts or the causing thereof: (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 FOLLOWING ACTS:

1. Removal of, or puncturing the muffler, baffles, header pipes or any other component which conducts exhaust gases.
2. Removal of, or puncturing of 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.

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 methanol 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.

Oxygenated Fuels

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.

Oxygenated fuels can damage paint and plastic. Be careful not to spill fuel when filling the fuel tank. Wipe up any spills immediately.

NOTICE

Oxygenated fuels can damage paint and plastic. Damage caused by spilled fuel is not covered by warranty.

Consumer Information

This section contains information on your warranty and how to get an official Honda service manual.

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Authorized Manuals

The Service Manual (Publication Item No. 61HN801) used by your authorized Honda dealer is available from Helm, Inc. (USA only, Canada: See your Honda dealer to order authorized manuals.)

Also available, but not necessary, to service your model is the Honda Common Service Manual (Publication No. 61CM001), which explains theory of operation and basic service information for various systems common to all Honda motorcycles, motor scooters and ATVs.

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.

Publication Item No.	Description	Price Each*
61HN801	2004 TRX650FA Rincon Service Manual	\$48.00
61CM001	Common Service Manual	\$48.00
31HN8610	2004 TRX650FA Rincon Owner's Manual	\$16.00

** Prices are subject to change without notice and without incurring obligation.*

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OR

By completing this form you can order the materials desired. You can pay by check or money order, or charge to your credit card. Mail to Helm, Inc. at the address shown on the back of this order form (USA only).

Canada: See your Honda dealer to order authorized manuals.

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Warranty Coverage

Your new Honda is covered by these warranties:

- ATV Limited Warranty
- Noise Control Warranty

There are responsibilities, restrictions, and exclusions which apply to these warranties. Please read the Warranties Booklet given to you by your Honda dealer at the time of purchase. Be sure to keep your Honda owner's card with your Warranties Booklet (USA only).

It is important to realize that your warranty applies to defects in material or workmanship of your Honda. Your warranty coverage does not apply to normal wear or deterioration associated with using the ATV.

Your warranty coverage will not be voided if you choose to perform your own maintenance. However, you should have the proper tools and service information and be mechanically qualified. Failures that occur due directly to improper maintenance are not covered.

Almost all of your warranty coverage can be extended through the Honda Protection Plan (USA only). For more information, see your Honda dealer.

Warranty Service

Please remember that recommended maintenance interval servicing is not included in your warranty coverage. Additionally, your warranty does not apply to the normal wear of items (such as brakes, tires, etc.).

If you believe you have a problem with your ATV, call the service department of your Honda dealer. Make an appointment for an inspection and diagnosis. Remember, as the owner of the ATV, you will be asked to authorize that inspection. Your dealer will give you the results of the inspection. If the problem is covered under warranty, your dealer will perform the warranty repairs for you.

If you have questions about warranty coverage or the nature of the repair, it is best to talk to the service manager of your Honda dealer.

Sometimes, in spite of the best intentions of all concerned, a misunderstanding may occur. If you aren't satisfied with your dealer's handling of the situation, we suggest you discuss your problem with the appropriate member of the dealership's management team. If the problem has already been reviewed with the Service Manager, Parts Manager, Sales Manager, etc., contact the Owner of the dealership or their designated representative.

Contacting Honda

Your owner's manual was written to cover most of the questions you might ask about your Honda. Any questions not answered in the owner's manual can be answered by your Honda dealer. If your dealer doesn't have the answer right away, they will get it for you.

If you have a difference of opinion with your dealer, please remember that each dealership is independently owned and operated. That's why it's important to work to resolve any differences at the dealership level.

If you wish to comment on your experiences with your Honda or with your dealer, please send your comments to the following address (USA only):

Motorcycle Division, American Honda Motor Co., Inc., P.O. Box 2220, Torrance, CA 90509-2220, mailstop: 100-4W-5B, telephone: (310) 532-9811.

Canada: Refer to the Warranties Booklet that was supplied with your vehicle.

Please include the following information in your letter:

- name, address, and telephone number
- product model, year, and frame number
- date of purchase
- dealer name and address

We will likely ask your Honda dealer to respond, or possibly acknowledge your comments directly.

Your Honda Dealer

Once you purchase your new Honda, get familiar with the organization of your Honda dealer so you can utilize the full range of services available.

The service department is there to perform regular maintenance and unexpected repairs. It has the latest available service information from Honda. The service department will also handle warranty inspections and repairs.

The parts department offers Genuine Honda parts, Pro Honda products, Hondaline accessories (USA only), and Honda accessories and products (Canada only). The same quality that went into your Honda can be found in Genuine Honda replacement parts. You'll also find comparable quality in the accessories and products available from the parts department.

The sales department offers the Honda Protection Plan to extend almost all of your warranty coverage (USA only).

Your Honda dealer can inform you about competition and other riding events in your area. You'll also find that your dealer is a source of information about American Honda's Rider Education Centers and the Honda Rider's Club of America (USA only).

We're sure you'll be as pleased with the service your Honda dealer continues to provide after the sale as you are with the quality and dependability of your Honda.

The Honda Rider's Club (USA only)

One of the best ways to get the most enjoyment from owning your Honda is to join the Honda Rider's Club of America (HRCA). Your purchase of a new motorcycle, scooter or ATV from a participating Honda dealer entitles you to a complimentary one-year membership. The HRCA has hundreds of dealer-sponsored chapters throughout the USA. Some of the HRCA membership benefits include:

- 24-hr. emergency roadside assistance for your Honda or transport vehicle.
- Transportation for your Honda or transport vehicle to the nearest Honda dealer or service facility if roadside assistance can't get you going again.
- Reimbursement (to \$75) for motorcycle and scooter rider training from the Motorcycle Safety Foundation. Free ATV rider training is available from the Specialty Vehicle Institute of America with the purchase of a new Honda ATV.
- A subscription to *Honda Red Rider*, a bi-monthly insider's magazine for all members.
- Special members-only HRCA website.
- Discounts from HRCA partners for both on and off-road riding schools and adventure packages.
- Hospitality at national events.
- Optional insurance, club pin, patch, etc.
- Red Rider (MX) contingency and off-road support at selected events.
- Computerized trip routing, color maps, and special travel packages.

Contact your Honda dealer for more information or call: 1-800-847-HRCA. For a complete list of all HRCA benefits and services, refer to your HRCA membership benefits manual or visit our website at www.honda.com.

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Quick Reference

The following is a brief, but important collection of information you need to know about your Honda. You'll also find space to record important notes.

How To Avoid Costly Repairs

The engine of your Honda can be the most expensive component to repair. Proper maintenance, especially the use of the recommended fluids and filters, prevents premature wear and damage.

Frequent causes of costly repairs are:

- Engine oil: insufficient quantity, improper oil.
- Air cleaner: dirty, leaking because of improper installation (poor seal).

Record important information on the following page:

Quick Reference

Engine No.	
Frame No.	
Ignition Key No.	
Color Label	
Owner's Name	
Address	
City/State	
Phone	
Dealer's Name	
Address	
City/State	
Phone	
Service Mgr.	

Quick Reference

Scheduled Maintenance	Initial: 100 miles (150 km) Regular: every 600 miles (1,000 km)
Pre-ride Inspection	Check the following items each time before you ride (page 47): engine oil, radiator coolant, fuel, tires, driveshaft boots, nuts & bolts, underbody & exhaust system, air cleaner housing drain tube, leaks, loose parts, cables, throttle, brakes, switches, steering.
Fuel/Capacity	unleaded gasoline, pump octane number 86 or higher 4.49 US gal (17.0 l) reserve: 0.82 US gal (3.1 l)
Engine Oil	API Service Classification SG or higher except oils labeled as energy conserving on the circular API service label, SAE 10W-40, 5W-30, JASO T 903 standard MA, Pro Honda GN4 or HP4 (without molybdenum additives) 4-stroke oil or equivalent
Maximum Weight Capacity	485 lbs (220 kg) rider, all cargo and accessories

Quick Reference

Tires	Front: AT25 × 8R12 ★★ Rear: AT25 × 10R12 ★★
Tire Pressure (cold)	Front: 4.4 psi (30 kPa , 0.30 kgf/cm ²) Rear: 3.6 psi (25 kPa , 0.25 kgf/cm ²) maximum tire pressure: Front: 5.0 psi (34 kPa , 0.34 kgf/cm ²) Rear: 4.0 psi (28 kPa , 0.28 kgf/cm ²) minimum tire pressure: Front: 3.8 psi (26 kPa , 0.26 kgf/cm ²) Rear: 3.2 psi (22 kPa , 0.22 kgf/cm ²)
Spark Plugs	standard: IFR5L11 (NGK) or VK16PRZ11 (DENSO) high speed riding: IFR6L11 (NGK) or VK20PRZ11 (DENSO)
Coolant	ethylene glycol antifreeze (silicate-free) for aluminum engines in 50/50 solution with Pro Honda HP Coolant or an equivalent distilled water
Fuses	main 1: 30 A main 2: 30 A other: 20 A × 1, 10 A × 3

HONDA

The power of dreams™

WARNING

Improper use of ATVs can result in SEVERE INJURY or DEATH



**ALWAYS USE
AN APPROVED
HELMET AND
PROTECTIVE
GEAR**



**NEVER USE
ON PUBLIC
ROADS**



**NEVER CARRY
PASSENGERS**



**NEVER USE
WITH DRUGS
OR ALCOHOL**

NEVER operate:

- without proper training or instruction.
- at speeds too fast for your skills or the conditions.
- on public roads - a collision can occur with another vehicle.
- with a passenger - passengers affect balance and steering and increase risk of losing control.

ALWAYS:

- use proper riding techniques to avoid vehicle overturns on hills and rough terrain and in turns.
- avoid paved surfaces - pavement may seriously affect handling and control.

READ THE OWNER'S MANUAL

FOLLOW ALL INSTRUCTIONS AND WARNINGS.