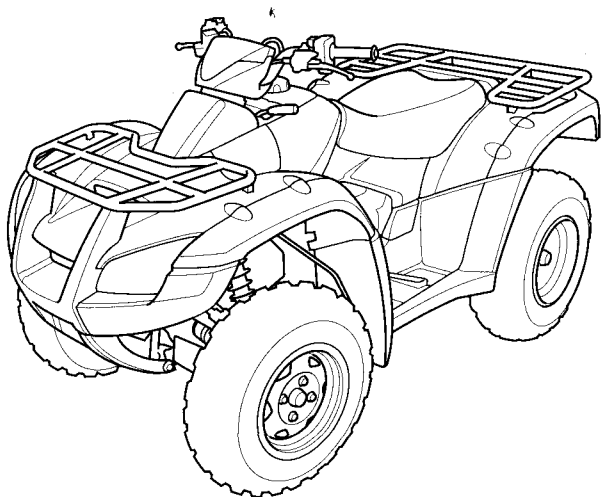


**Honda TRX680FA
FOURTRAX RINCON
OWNER'S MANUAL**



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.

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.

Happy riding!

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.

ATV Safety	1
Important safety information you should know, plus a look at the safety-related labels on your ATV.	
Instruments & Controls.....	9
The location and function of indicators and controls on your ATV and operating instructions for various controls and features.	
Before Riding.....	43
The importance of wearing a helmet and other protective gear, how to make sure you and your ATV are ready to ride, and important information about loading.	
Basic Operation & Riding	59
How to start and stop the engine, shift gears, and brake. Also, riding precautions.	

Contents

Servicing Your Honda	95
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.	
Tips	171
How to store and transport your ATV and how to be an environmentally-responsible rider.	
Taking Care of the Unexpected	181
What to do if you have a flat tyre, your engine won't start, etc.	
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ID numbers, technical specifications, and other technical facts.	
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Sequential listing of topics in this owner's manual.	
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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.

Important Safety Information	2
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 44).

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 tyres 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.

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.

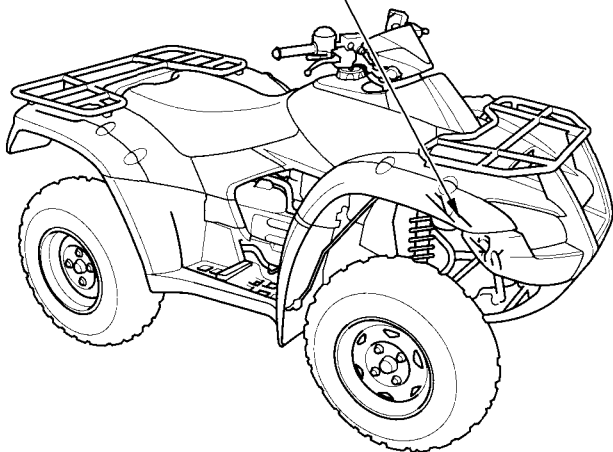
Safety Labels

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

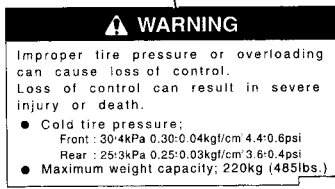
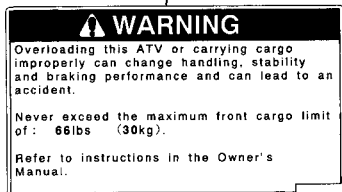
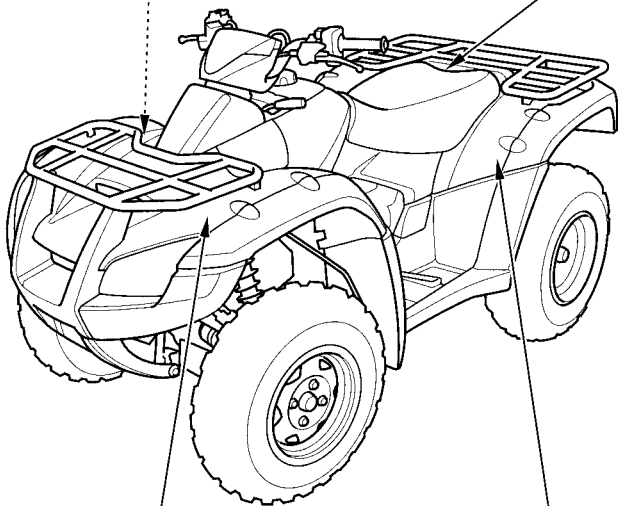
The labels should be considered permanent parts of the vehicle. If a label comes off or becomes hard to read, contact your Honda dealer for replacements.

Safety Labels

CE	TRX680FA 2005	Nominal power	24.6kw
		Dry weight	277kg
HONDA OF SOUTH CAROLINA MFG., INC.		1111 HONDA WAY, TIMMONSVILLE, SOUTH CAROLINA 29161 U. S. A.	
		MADE IN USA	



Safety Labels



Safety Labels

⚠ WARNING

UNDER 16

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

NEVER operate this ATV if you are under age 16.

BRAKING INFORMATION

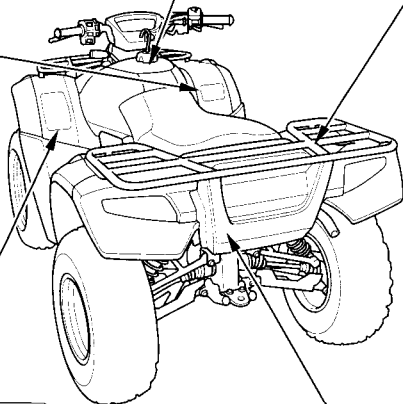
With four-wheel drive operating any brake control causes braking at both the front and rear wheels. For detailed braking information, refer to the Owner's Manual.

⚠ WARNING

Overloading this ATV or carrying cargo improperly can change handling, stability and braking performance and can lead to an accident.

Never exceed the maximum rear cargo limit (combined weight on the rear rack and in the storage area) of: **133lbs (60kg)**.

Refer to instructions in the Owner's Manual.



⚠ WARNING

The improper operation of ATVs may result in severe injury or death.

- Read the owner's Manual.
- Follow all warnings and instructions.
- Never use without proper training and instruction.

While riding:

- Never ride too fast for your skills or the conditions.
- Always use proper riding techniques for hills, slopes and rough terrain.
- Use care when changing riding surfaces. ATVs handle differently on different surfaces, such as sand, dirt, or pavement.

- ⊙ Never carry a passenger, since it would affect balance and steering and may cause you to lose control.
- ⊙ Avoid operating on public roads, since a collision can occur with another vehicle.
- ⊙ Never ride after drinking alcohol or using drugs.
- ⊙ Always wear a helmet, eye protection, and protective gear.

⚠ WARNING

Towing an improperly loaded trailer can cause loss of control.

- Read owner's manual.
- Tow weight limit : **3775N (850kgf)**
850lbs
- Tongue weight : **137N (14kgf)**
30lbs

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.

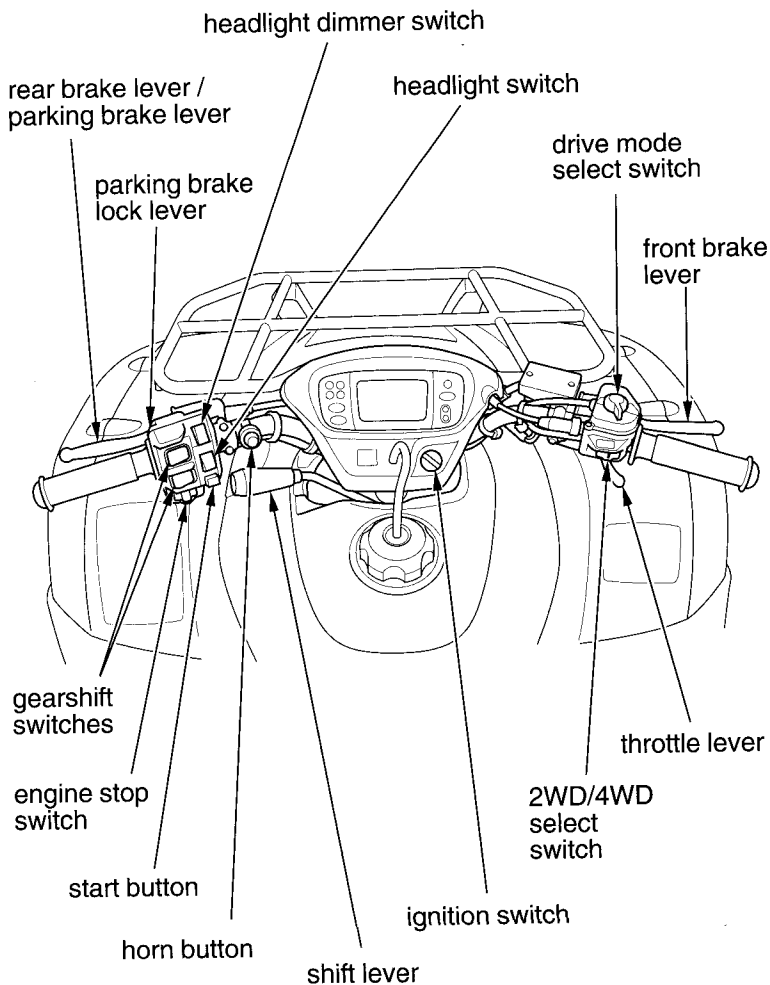
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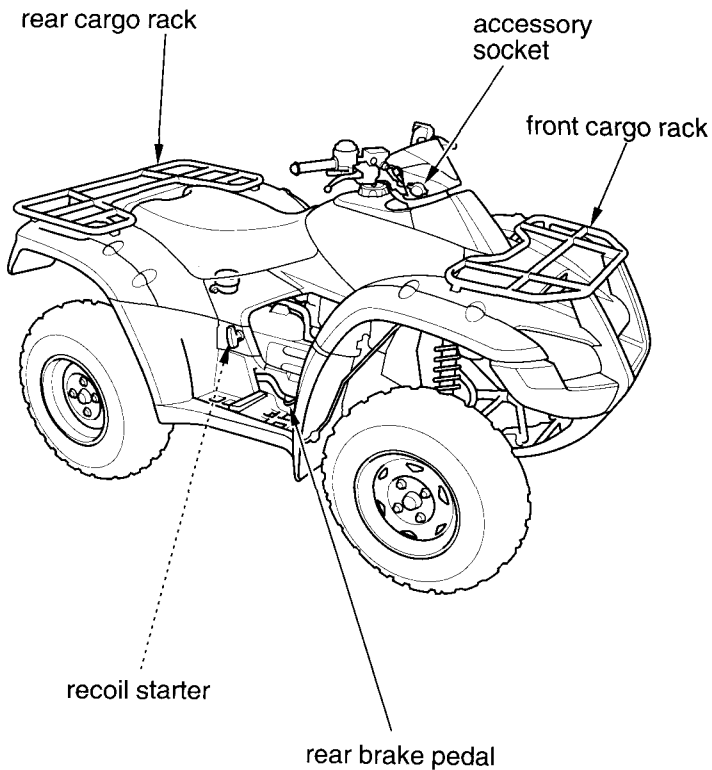
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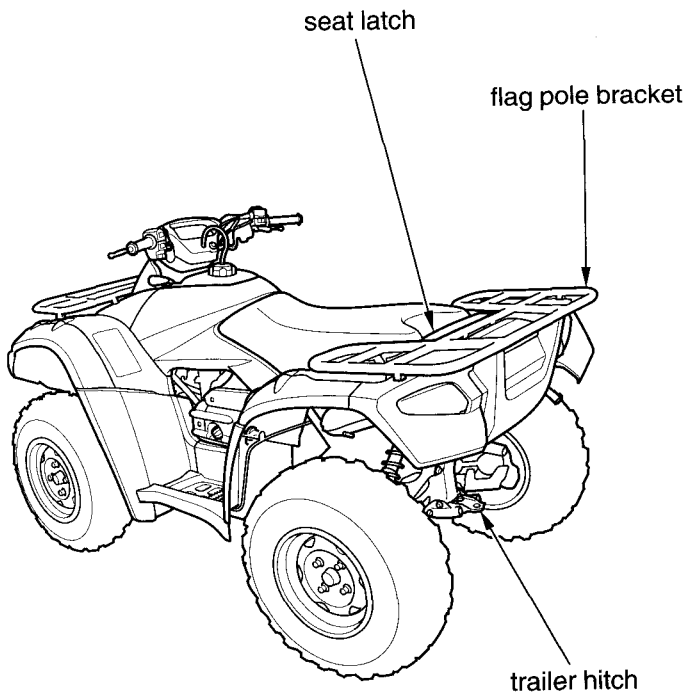
Operation Component Locations



Operation Component Locations

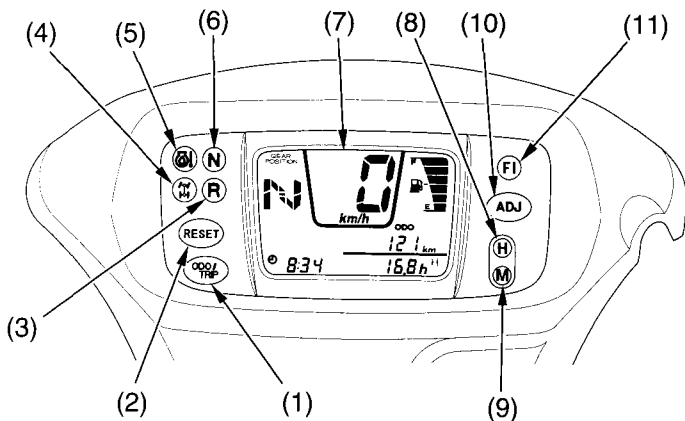


Operation Component Locations



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) odometer/tripmeter select button | (6) neutral indicator |
| (2) RESET button | (7) multi-function display |
| (3) reverse indicator | (8) hour select button |
| (4) 4WD indicator | (9) minute select button |
| (5) high oil/coolant temperature indicator | (10) ADJ button |
| | (11) PGM-FI indicator |

Lamp Check

The high oil/coolant temperature indicator, 4WD indicator, neutral indicator, reverse indicator and PGM-FI indicator comes on when you turn the ignition switch ON (I) 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 or neutral indicators come on when you turn the ignition switch ON (I) and remain on until you shift out of reverse or neutral.

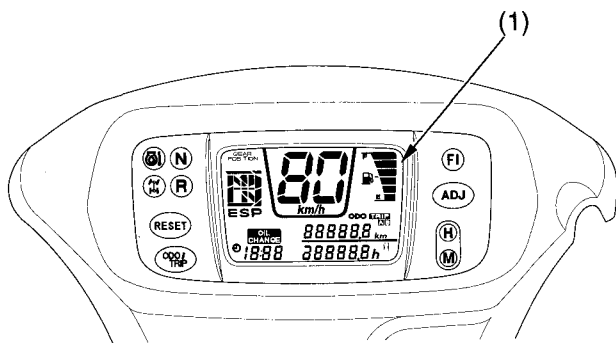
If one of these indicators does not come on when it should, have your Honda dealer check for problems.

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 17 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	Odometer/tripmeter select button	Selects display of the odometer or tripmeter A or tripmeter B (page 22). This button also used to reset the oil change indicator (page 21).
2	RESET button	Resets the tripmeter to zero (0) (page 23). This button also used to reset the oil change indicator (page 21).
3	Reverse indicator	Lights when the transmission is in reverse. <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	High oil/coolant temperature indicator	Lights when engine oil temperature is high enough to adversely affect the service life of the engine. If the high oil 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 192. <i>Lamp Check.</i>
6	Neutral indicator	Lights when the transmission is in neutral. <i>Lamp Check</i>

Indicators & Displays

7	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 26).
	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 24).
	Digital clock	Shows the time (hours and minutes) (page 25).
8	Hour select button	Advances the hour displayed by the digital clock (page 25).
9	Minute select button	Advances the minutes displayed by the digital clock (page 25).
10	ADJ button	Used to set the digital clock (page 25).
11	PGM-FI indicator	Lights when there is any abnormality in the PGM-FI (Programmed Fuel Injection) system. Should also light for a few seconds and then go off when the ignition switch is turned ON and use the start button. If the indicator comes on at any other time, reduce speed and take your vehicle to a Honda dealer as soon as possible. <i>Lamp Check</i> .

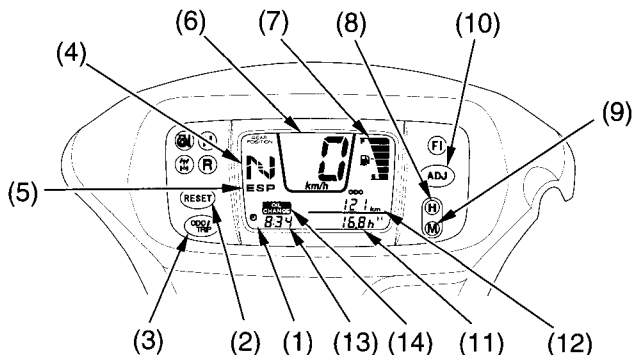
Indicators & Displays

Multi-function Display

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

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

The digital clock will reset if the battery is disconnected.



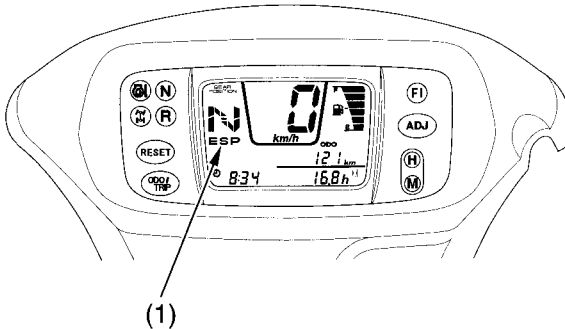
- | | |
|---|---------------------------|
| (1) multi-function display | (8) hour select button |
| (2) RESET button | (9) minute select button |
| (3) odometer/tripmeter
select button | (10) ADJ button |
| (4) gear position indicator | (11) hourmeter |
| (5) drive mode indicator | (12) odometer/tripmeter |
| (6) speedometer | (13) digital clock |
| (7) fuel gauge | (14) oil change 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

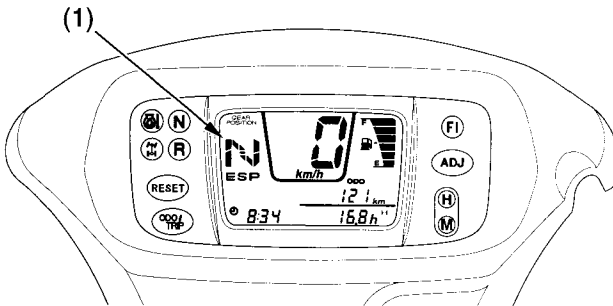
Indicators & Displays

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

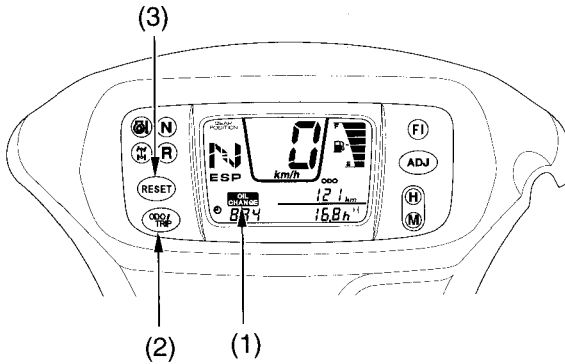
Oil Change Indicator

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 RESET 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) RESET button

Indicators & Displays

Odometer/Tripmeter

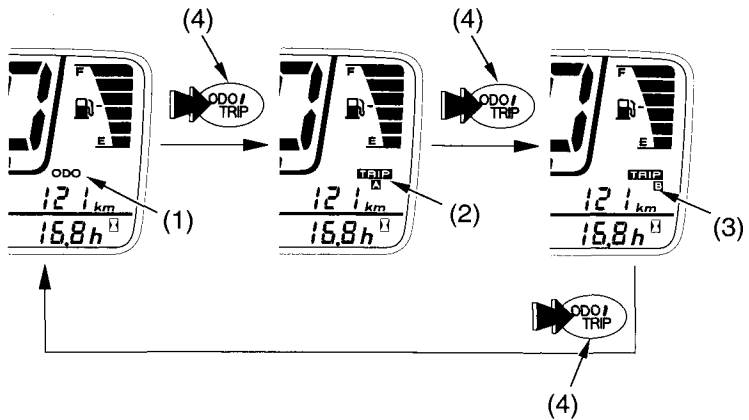
The odometer/tripmeter display has two functions, odometer (1) and tripmeter.

The tripmeter has two sub modes, A (2) and B (3).

The odometer registers total distance traveled in kilometers while the ignition switch is ON (1).

The tripmeter shows mileage per trip while the ignition is ON (1).

To change the display from tripmeter A or tripmeter B to odometer, press and release the odometer/tripmeter select button (4).

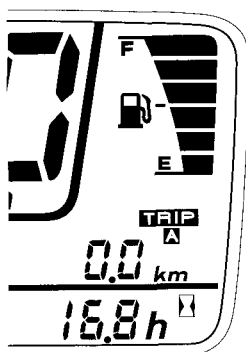
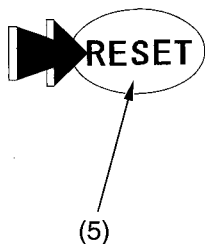


- (1) odometer
- (2) tripmeter A

- (3) tripmeter B
- (4) odometer/tripmeter select button

Indicators & Displays

To reset the tripmeter to zero, press and hold the RESET button (5) for more than 2 seconds with the display in the tripmeter A or tripmeter B mode.

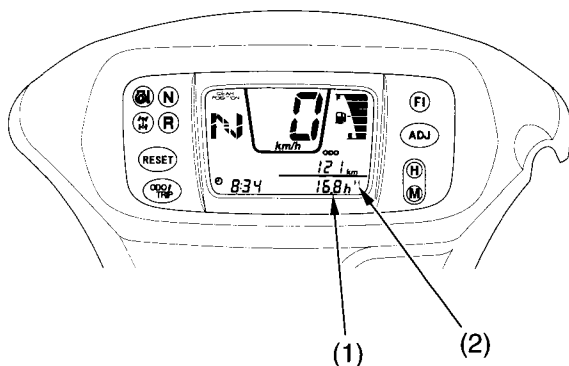


(5) RESET button

Indicators & Displays

Hourmeter

The hourmeter (1) shows accumulated hours while the ignition is ON (1). The hourmeter provides accurate service period information for initial and regular maintenance.



(1) hourmeter

(2) hourmeter mark

Indicators & Displays

Digital Clock

Shows hour and minute while the ignition is ON (1).

To adjust the time, proceed as follows:

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

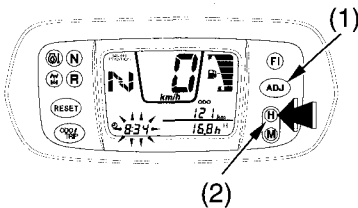
To advance the hour display automatically, press and hold the hour select button. After 2 seconds, the hour display will begin advancing. Release the button when the display reaches the desired hour.

4. To advance the minute display one unit at a time, press and release the minute select button (3).

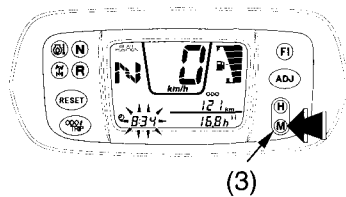
To advance the minute display automatically, press and hold the minute select button. After 2 seconds, the minute display will begin advancing. Release the button when the display reaches the desired minute.

To zero the minute display, press and hold both the hour and minute select buttons simultaneously for 2 seconds.

5. Press the ADJ button when the display reaches the desired minute. The display will stop flashing.



- (1) ADJ button
(2) hour select button



- (3) minute select button

Indicators & Displays

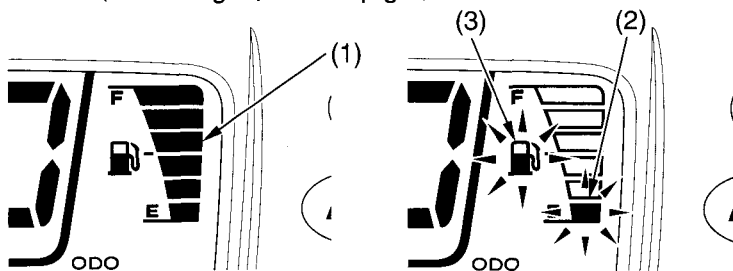
Fuel Gauge

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

17.0 ℓ (4.49 US gal , 3.74 Imp gal)

When segment E (2) and low fuel indicator (3) flash, you should refill the tank as soon as possible. The amount of fuel remaining when the flashing starts is approximately:

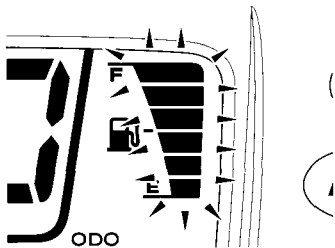
4.1 ℓ (1.08 US gal , 0.90 Imp gal)



(1) fuel gauge
(2) segment E

(3) low fuel indicator

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



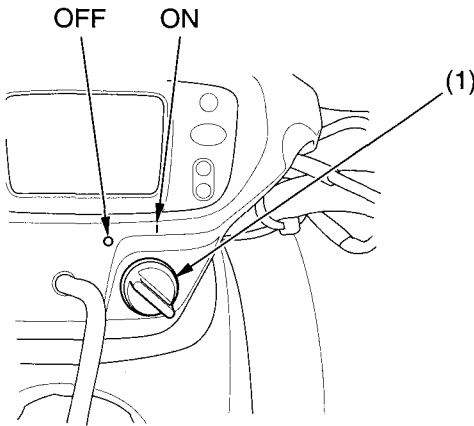
Controls & Features

Ignition Switch

The ignition switch (1) is used for starting and stopping the engine (page 66). Insert the key and turn it to the right for the ON (I) position.

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

CENTRE OF HANDLEBAR



(1) ignition switch

I ON
O OFF

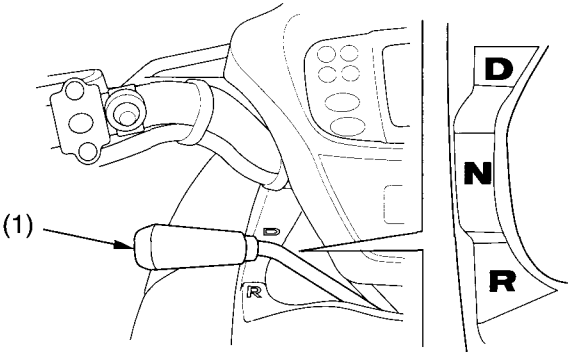
Controls & Features

Shift Lever

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

See *Shifting Gears* (page 71) and *Riding in Reverse* (page 77).

LEFT SIDE OF HANDLE COVER



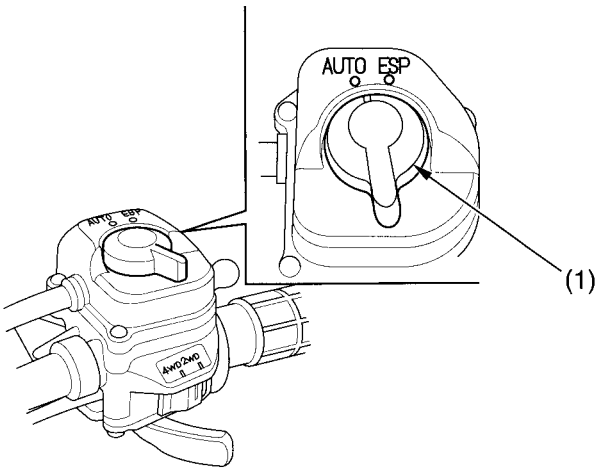
(1) shift lever

Controls & Features

Drive Mode Select Switch

The drive mode select switch (1) has two positions, AUTO and ESP. See *Shifting Gears* page 71.

RIGHT HANDLEBAR



(1) drive mode select switch

Controls & Features

2WD/4WD Select Switch

Your ATV is equipped with a 2WD/4WD select switch (1), 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 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).

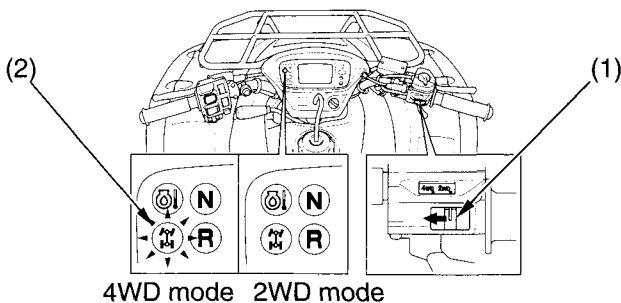
2WD mode : the 4WD indicator goes off.

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

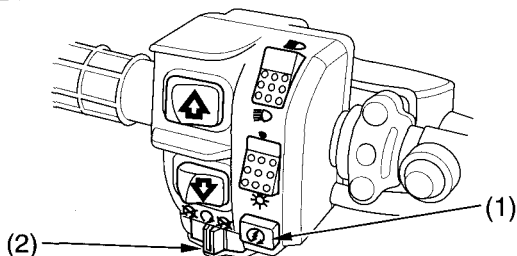
(2) 4WD indicator

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 67 .

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, slide 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.

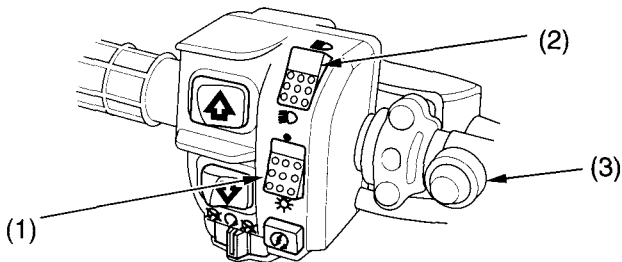
If your ATV is stopped with the ignition switch ON () and the engine stop switch OFF (), the battery will discharge. Turn the ignition switch OFF () to prevent battery discharge.

Controls & Features

Headlight Switch



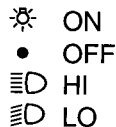
LEFT HANDLEBAR



(1) headlight switch

(2) headlight dimmer switch

(3) horn button



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.

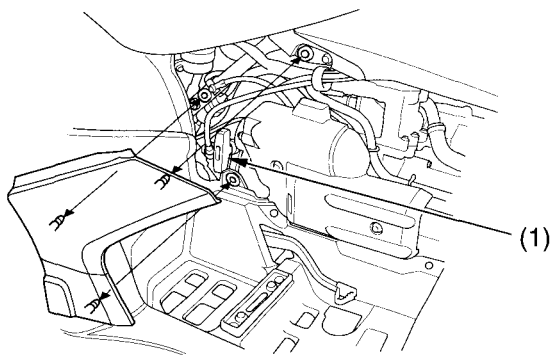
Horn Button

Press the horn button (3) to sound the horn.

Controls & Features

Recoil Starter

RIGHT SIDE



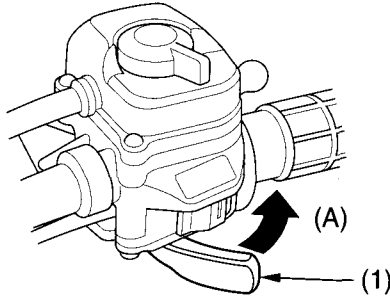
(1) recoil starter

The recoil starter (1) is used to start the engine when the battery is low.
See *Using the Recoil Starter*, page 70 .

Controls & Features

Throttle Lever

RIGHT HANDLEBAR



- (1) throttle lever
- (A) to open the throttle

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

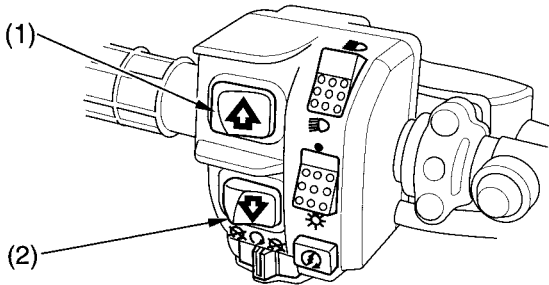
Controls & Features

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 (1) to engage the next higher gear or press the downshift switch (2) to engage the next lower gear.

See *Shifting Gears*, page 71 .

LEFT HANDLEBAR



(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 79 .

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 79 .

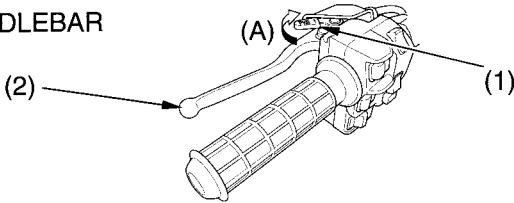
Rear Brake Pedal

The rear brake pedal is used to slow or stop your ATV. To operate, depress the pedal. For information on braking techniques, see page 79 .

Controls & Features

Parking Brake

LEFT HANDLEBAR



(1) lock lever

(2) rear brake lever/parking
brake lever

(A) to lock

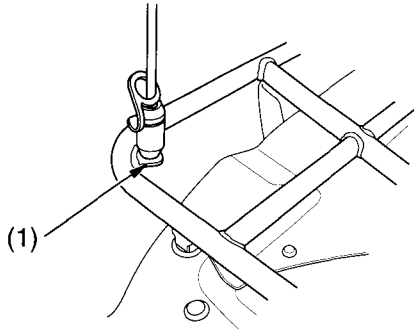
The lock lever (1) on the rear brake lever/parking brake lever (2) allows it to be used as a parking brake. To operate, first squeeze the rear brake lever/parking brake lever using your left hand and then lock it with the lock lever using your right hand. See *Parking* page 93 .

The brake lights are activated by applying the parking brake. When using the parking brake, be sure to turn the ignition switch OFF to avoid discharging the battery.

Controls & Features

Flag Pole Bracket

RIGHT REAR



(1) flag pole bracket

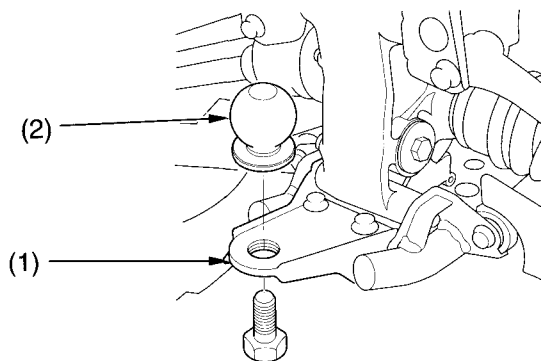
Flag poles are optional equipment available from your Honda dealer. To mount a pole in the bracket (1), follow the instructions that come with the flag pole kit.

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

Controls & Features

Trailer Hitch

REAR



(1) trailer hitch

(2) ball

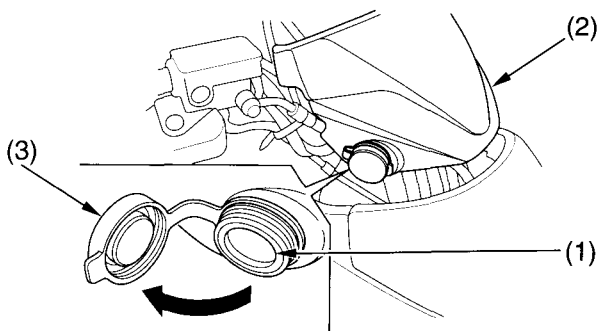
The trailer hitch (1) is located on the rear axle housing. To use the hitch, you'll need a proper size ball (2) as specified by the trailer manufacturer.

To attach the ball and properly hook up a trailer, follow the trailer manufacturer's instructions. For load limits and operational guidelines, see page 53.

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 (I), start the engine. Then turn the headlights OFF (•), and open the accessory socket cap (3).

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 194 .

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. 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.

⚠ 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 tyre, 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 117). Check for leaks.
<i>Radiator Coolant</i>	Check the coolant level and add coolant if needed (page 127). Check for leaks.

(cont'd)

Is Your ATV Ready to Ride?

<i>Fuel</i>	Check the level and add fuel (page 112) if needed. Also make sure the fuel fill cap is securely fastened. Check for leaks.
<i>Tyres</i>	Use a gauge to check the air pressure. Adjust if needed. Also look for signs of damage or excessive wear (page 157).
<i>Driveshaft Boots</i>	Check for damage (page 160).
<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 135) 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, brakelight 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 54).

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 136).

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 149). Make sure there is no brake fluid leakage.

Is Your ATV Ready to Ride?

*Headlight and
Headlight Dimmer
Switch*

Check for proper function (page 32).

*Engine Stop
Switch*

Check for proper function (page 31).

Steering

Check that the wheels turn properly as you steer the handlebar. Move the handlebar right and left and check that there is no excessive backlash.

Remember, be sure to take care of any problem you find, or have your Honda dealer correct it before you ride.

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

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 tyres 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 towing a trailer, select the ESP mode (page 74), 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 209). A blown fuse can cause a loss of lights or engine power (page 194).

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.

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 210).

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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 43 .

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 tyres 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

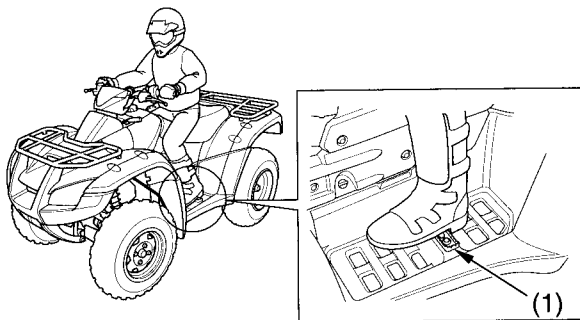
Always keep both hands on the handlebars and both feet on the footpegs when riding your ATV. This is important to maintain your balance and to control the vehicle. Removing even one hand from the handlebars or one foot from the footpegs can reduce your ability to control the ATV or could cause you to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

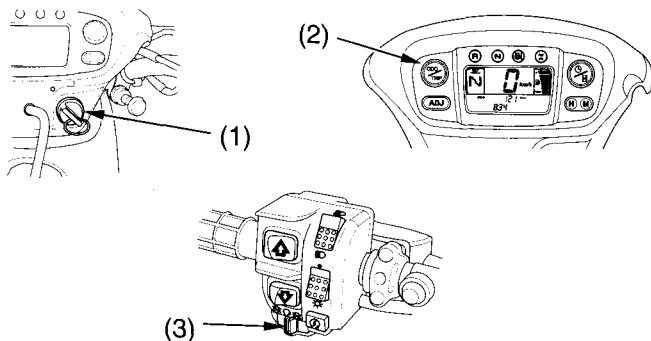
Never attempt stunts, such as wheelies or jumps. Don't try to show off.

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) ignition switch
(2) neutral indicator

(3) engine stop switch

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

Confirm the following:

- The transmission is in NEUTRAL (neutral indicator (2) ON).
- The engine stop switch (3) is set to RUN (O).

Starting & Stopping the Engine

Starting Procedure

This vehicle has a fuel-injected with an automatic choke.
Follow the procedure indicated below.

Any Air Temperature

- Press the start button with the throttle completely closed.

The engine will not start if the throttle is fully open (Because the electronic control module cuts off the fuel supply).

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 (\odot).
2. Open the throttle fully.
3. Press the start button for 5 seconds (or operate the recoil starter several times).
4. Follow the normal starting procedure.
5. If the engine starts, then open the throttle slightly if idling is unstable. If the engine does not start, wait 10 seconds, then follow steps 1 – 4 again.

If the engine still won't start, refer to *If Your Engine Quits or Won't Start*, page 184.

Bank Angle Sensor Ignition Cut-off System

Your vehicle's banking (lean angle) sensor system is designed to automatically stop the engine if the vehicle is overturned.

Before restarting the engine, you must turn the ignition switch to the OFF position and then back to ON. The engine will not restart until you perform this procedure.

Starting & Stopping the Engine

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 start button while the vehicle is stopped.


Do not press the throttle lever 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.

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

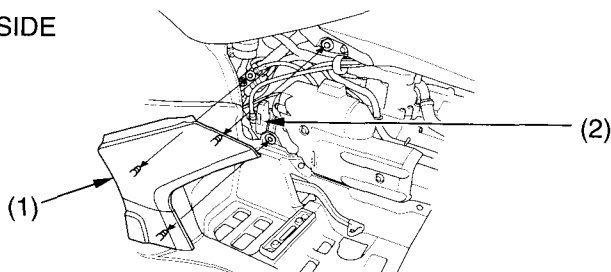
The recoil starter is used to start the engine when the battery is low.

To operate the recoil starter:

1. Check that the transmission is in neutral.
2. Unsnap and remove the right side cover (1).
3. Grasp the starter grip (2) firmly, then pull it out slowly approximately 100 mm (4 in).
4. Pull the grip up briskly and fully.
5. 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

The engine cannot be started if the battery is disconnected, low or dead. If the engine cannot be started with connecting the battery, charge the battery (page 165).

When the engine cannot be started even if the battery is charged, see your Honda dealer.

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

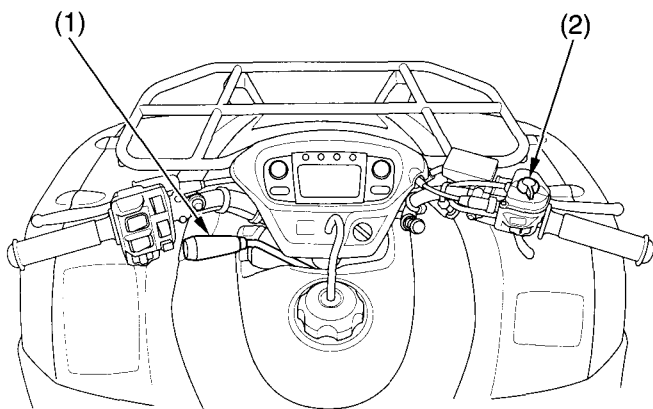
The shift lever (1) is located on the left side of the fuel tank. To shift the shift lever, bring the ATV to a complete stop.

NOTICE

If the gearshift 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

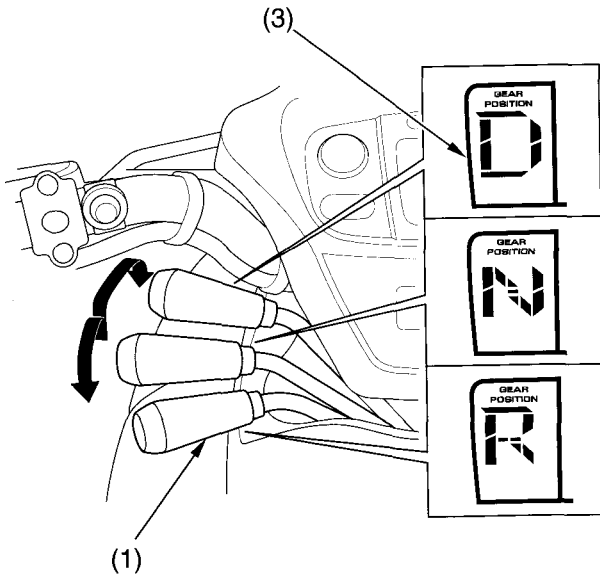
Shifting Gears

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 77).





(3) gear position indicator

Shifting Gears

ESP Mode

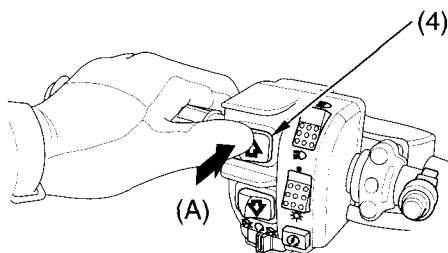
With the drive mode set at ESP, shifting the lever to “D” allows manual shifting from 1st to 3rd using the gearshift switches.

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

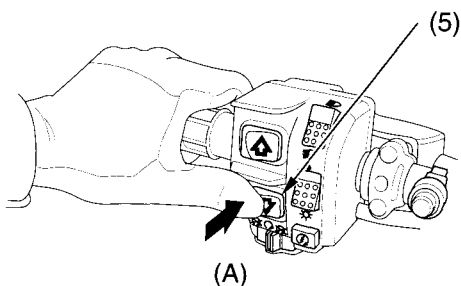
To upshift the transmission, press the upshift switch (4) once.

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

UPSHIFTING SEQUENCE



DOWNSHIFTING SEQUENCE



(4) upshift switch

(5) downshift switch

(A) press

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 gearshift 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.

Recommended Shift Points

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 gearshift 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.