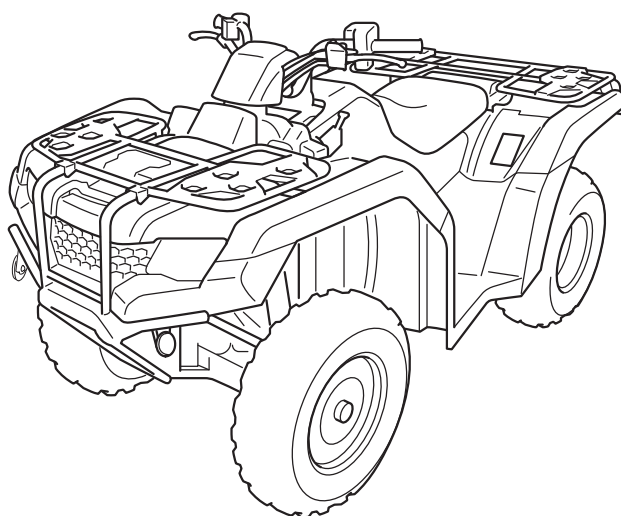


Honda
TRX420FM1
TRX420FM2
TRX420FA2 FOURTRAX
OWNER'S MANUAL
(Original instructions)



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.

This ATV is ATV Type I category G.

We recommend you to receive the ATV Pre-Delivery Checklist from your dealer.

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 and understand 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 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

Introduction

In order to maintain the emissions performance of the engine including the emissions control systems

- This ATV should be operated, used and maintained in accordance with this owner's manual.
- No deliberate tampering with or misuse of the emission control system should take place.
- It is essential to take prompt action to rectify any incorrect operation, use or maintenance of this ATV in accordance with the rectification measures indicated by the PGM-FI indicator.

Before riding the ATV, you must evaluate yourself with the below evaluation sheet, in the items that match your ATV.

First checks

- Can the person reach the footrests
- Does he have a good lateral vision (make the panoramic test)

First exercises

- Can move the ATV without using it, walking beside it
- Can park the ATV, activate the parking brake

Familiarity with the controls, correct use

- Can set correctly rear view mirrors
- Can use the lights
- Can use the clutch
- Can use the gearbox
- Can use the accelerator
- Can use the braking systems

First manoeuvres (make 2 at reduced speed, among which one slalom)

- Can use the clutch in conjunction with the brake
- Balance satisfactory
- Direction of vision satisfactory
- Driving technique satisfactory
- Gear selection technique satisfactory

Emergency manoeuvres the maximum speed of the vehicle

- Front and rear brakes satisfactory
- Direction of vision satisfactory
- Position of the ATV satisfactory

On a slope

Can perform a U turn

- Can drive down the slope

Good distribution of the body weight

Introduction

Awareness of special situations

- Impact of meteorological conditions
- Wary of driving errors or dangerous behaviour putting the immediate safety of the rider or other persons at risk

Behaviour satisfactory during use in normal situations (after explanations by the supervisor)

- Cornering using body weight
- Driving down a slope
- Climbing slopes
- Driving down a slope
- Crossing a slope horizontally
- Driving on rough terrain
- Skidding and wheel spin

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

Happy riding!

- The following code in this manual indicates the destination.

TRX420FM1/FM2

ED	European direct sales
----	-----------------------

TRX420FA2

ED	European direct sales
----	-----------------------

- The illustrations herein are based on the TRX420FM2.
- The specifications may vary with each locale.
- This vehicle pictured in this owner's manual may not match your actual vehicle.

Introduction

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 judgement.

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 13

The location and function of indicators and controls on your ATV and operating instructions for various controls and features.

Before Riding 59

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 75

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

Contents

Servicing Your Honda 119

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 219

How to store and transport your ATV and how to be an environmentally responsible rider.

Taking Care of the Unexpected 229

What to do if you have a flat tyre, your engine won't start, etc.

Technical Information 255

ID numbers, technical specifications, and other technical facts.

Index 267

Manufacturer, Authorized Representative and Importer 279

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
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 to be 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 60).

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 crashes. 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 judgements and ride safely.

Don't Drink or Use Drugs and Ride

Alcohol or drugs and riding don't mix. Even one alcoholic drink can reduce your ability to respond to changing conditions, and your reaction time gets worse with every additional drink. The same is true for drug use. Don't drink or use drugs while riding, and don't let your friends do it 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.

Labels

The following pages describe the label locations and their meanings. Some labels warn you of potential hazards that could cause serious injury. Others provide important safety information. Read this information carefully and don't remove the labels, because it is important for the labels to be stored on the ATV.

If a label comes off or becomes hard to read, contact your dealer for a replacement.

There is a specific symbol on each label. The meanings of each symbol and label are as follows.

	Read instructions contained in Owner's Manual carefully.
	Read instructions contained in Shop Manual carefully. In the interest of safety, take the ATV to be serviced only by your dealer.
	DANGER (with RED background) You WILL be KILLED or SERIOUSLY HURT if you don't follow instructions.
	WARNING (with ORANGE background) You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.
	CAUTION (with YELLOW background) You CAN be HURT if you don't follow instructions.

Labels



BATTERY LABEL

DANGER

- Keep flames and sparks away from the battery.
The battery produces explosive gas that can cause an explosion.
- Wear eye protection and rubber gloves when handling the battery to avoid risk of burns or loss of eyesight if exposed to battery electrolyte.
- Do not allow children to handle the battery, under any circumstance.
Ensure that anyone handling the battery has a proper understanding of the hazards and correct handling procedures involved.
- Handle battery electrolyte with extreme care, as it contains dilute sulfuric acid. Exposure to eyes or skin can cause burns or loss of eyesight.
- Read this manual carefully, and understand it before handling the battery. Failure to do so can cause personal injury and damage to the ATV.
- Do not use the battery if the level of electrolyte is at or below the recommended level. Using the battery with low electrolyte can cause it to explode, causing serious injury.

Labels



RADIATOR CAP LABEL

DANGER

NEVER OPEN WHEN HOT.

Hot coolant will scald you.

Relief pressure valve begins to open at
1.1 kgf/cm².



GENERAL WARNING LABEL

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.**

Labels



PASSENGER WARNING LABEL

WARNING

NEVER ride as a passenger.

Passengers can cause a loss of control, resulting in SEVERE INJURY or DEATH.

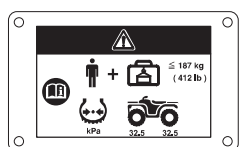


AGE RECOMMENDATION WARNING LABEL

WARNING

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

NEVER operate this ATV if you are under age 16.



TYRE & OVERLOAD WARNING LABEL

Improper tyre pressure or overloading can cause loss of control.

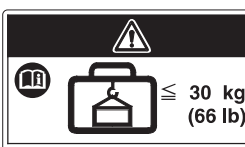
Loss of control can result in severe injury or death.

- Cold tyre pressure:

Front: 32.5 kPa (4.7 psi)

Rear: 32.5 kPa (4.7 psi)

- Maximum weight capacity:
187 kg (412 lb)



FRONT CARRIER LABEL

WARNING

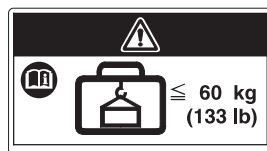
Overloading this ATV or carrying cargo improperly can change handling, stability and braking performance and can lead to an accident.

Never exceed the maximum front cargo limit of:

30 kg (66 lb)

Refer to instructions in the Owner's Manual.

Labels



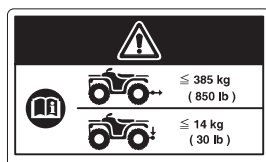
REAR CARRIER LABEL

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: **60 kg (133 lb)**

Refer to instructions in the Owner's Manual.



TRAILER HITCH LABEL

WARNING

Towing an improperly loaded trailer can cause loss of control.

- Read towing instructions in Owner's Manual.
- Tow weight limit: **385 kg (850 lb)**
- Tongue weight: **14 kg (30 lb)**



4WD BRAKING INFORMATION LABEL

With four-wheel drive, operating any brake control cause braking at both the front and rear wheels.

For detailed braking information, refer to the Owner's Manual.

Labels

CE MARK



(TRX420FM1)

Engine net power: **19.7 kW**

Machine mass: **278 kg**

MM/YYYY: Month and year of manufacture



(TRX420FM2)

Engine net power: **19.7 kW**

Machine mass: **284 kg**

MM/YYYY: Month and year of manufacture



(TRX420FA2)

Engine net power: **20.1 kW**

Machine mass: **293 kg**

MM/YYYY: Month and year of manufacture

FUEL LABEL

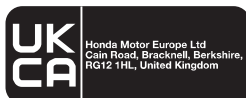
Unleaded petrol only.

ETHANOL up to 10% by volume.



Labels

UKCA MARK



PASSENGER WARNING LABEL



CE MARK (TRX420FM1)



(TRX420FM2)



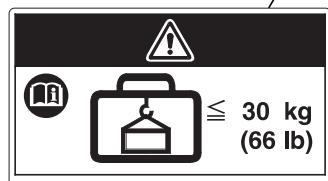
(TRX420FA2)



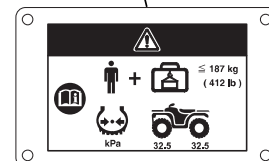
RADIATOR CAP LABEL



BATTERY LABEL

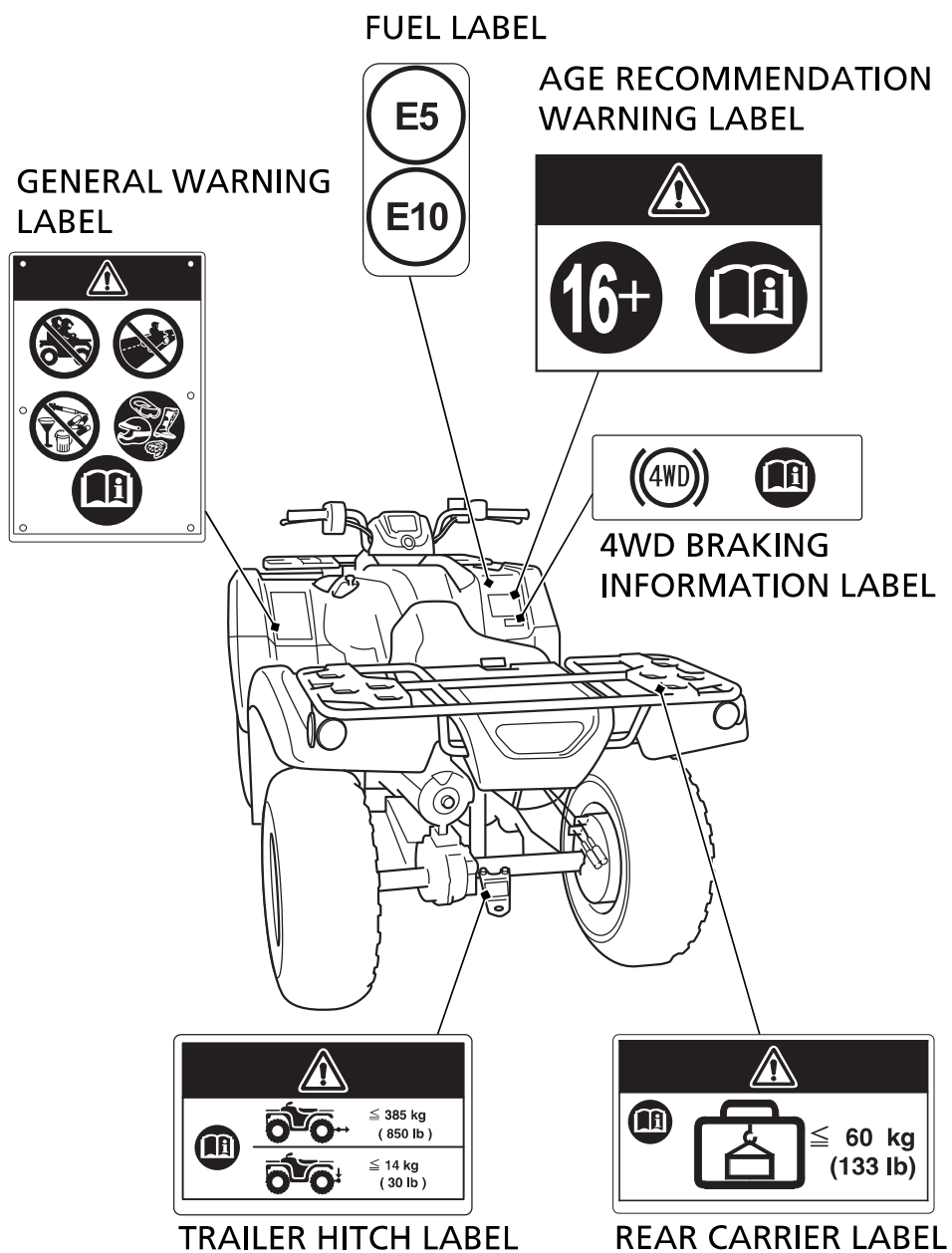


FRONT CARRIER LABEL



TYRE & OVERLOAD WARNING LABEL

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.

Operation Component Locations	15
Indicators & Displays	19
Multi-function Display.....	25
Speed and Mileage Unit Changing.....	28
4WD Indicator	28
Gear Position Indicator.....	29
Fuel Gauge	30
Digital Clock	32
Odometer.....	33
Tripmeter.....	33
Coolant Temperature Gauge	34
Hour Meter.....	36
Maintenance Tripmeter & Maintenance Hour Meter	37

(cont'd)

Instruments & Controls

Controls & Features	39
Ignition Switch.....	39
2WD/4WD Select Lever	40
Start Button	41
Engine Stop Switch	41
Headlight Switch	42
Headlight Dimmer Switch	42
Horn Button	42
Recoil Starter	43
Throttle Lever	44
Drive Mode Select Switch (TRX420FA2)	45
Gearshift Switch (TRX420FA2)	46
Reverse Switch (TRX420FA2).....	47
Front Brake Lever.....	48
Rear Brake Lever/Parking Brake Lever	48
Rear Brake Pedal.....	48
Parking Brake/Reverse Lever (P/R Lever: TRX420FM1/FM2)	49
Parking Brake Lever (TRX420FA2)	51
Flag Pole Bracket	53
Trailer Hitch	54
Front Utility Box	55
Storage Compartment	56
EPS (Electric Power Steering) (TRX420FM2/FA2)	57

Operation Component Locations

TRX420FM1/FM2

rear brake lever/
parking brake lever

P/R lever

headlight switch

front brake lever

headlight dimmer
switch

start button

engine stop
switch

ignition switch

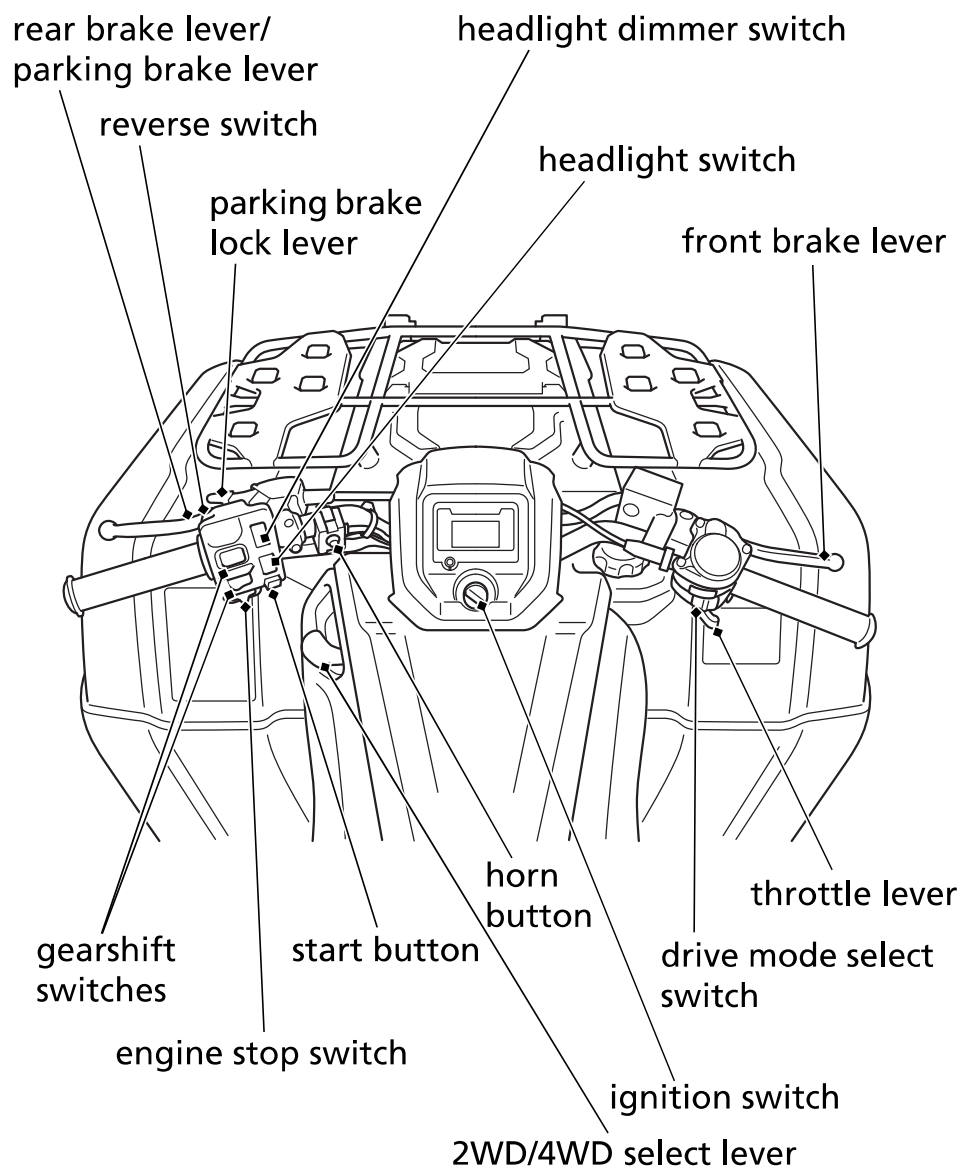
horn button

2WD/4WD select lever

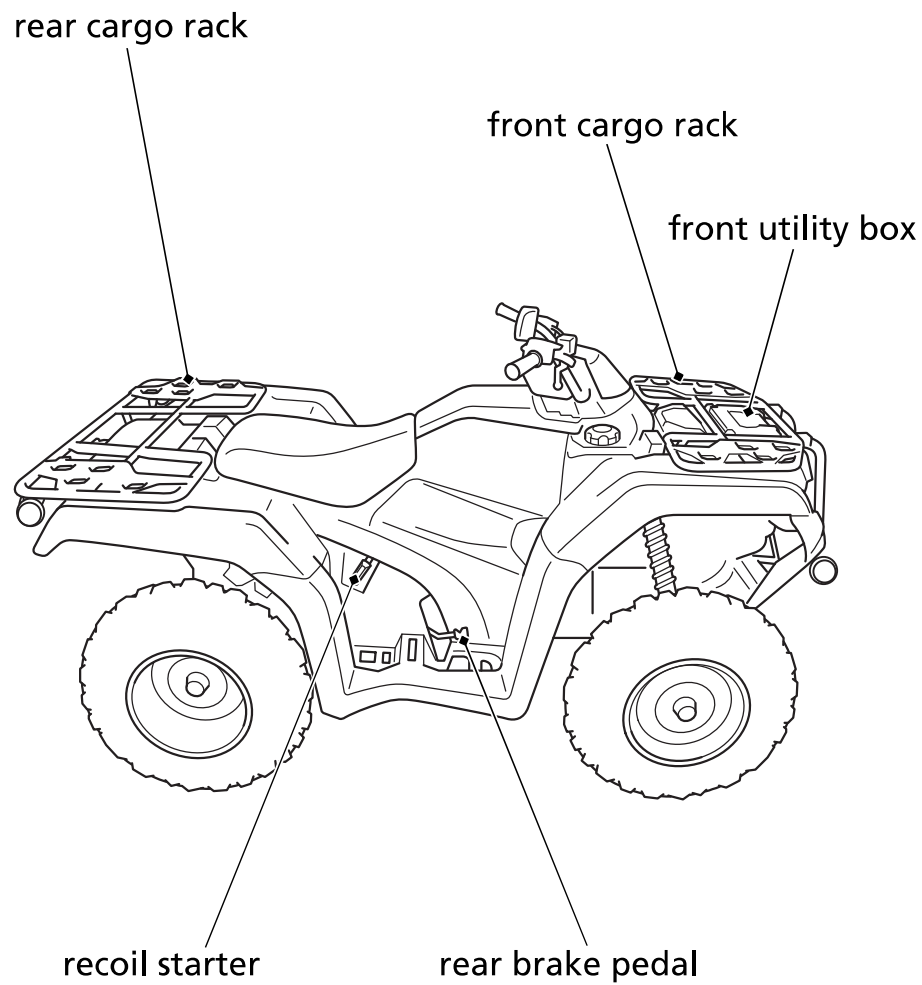
throttle lever

Operation Component Locations

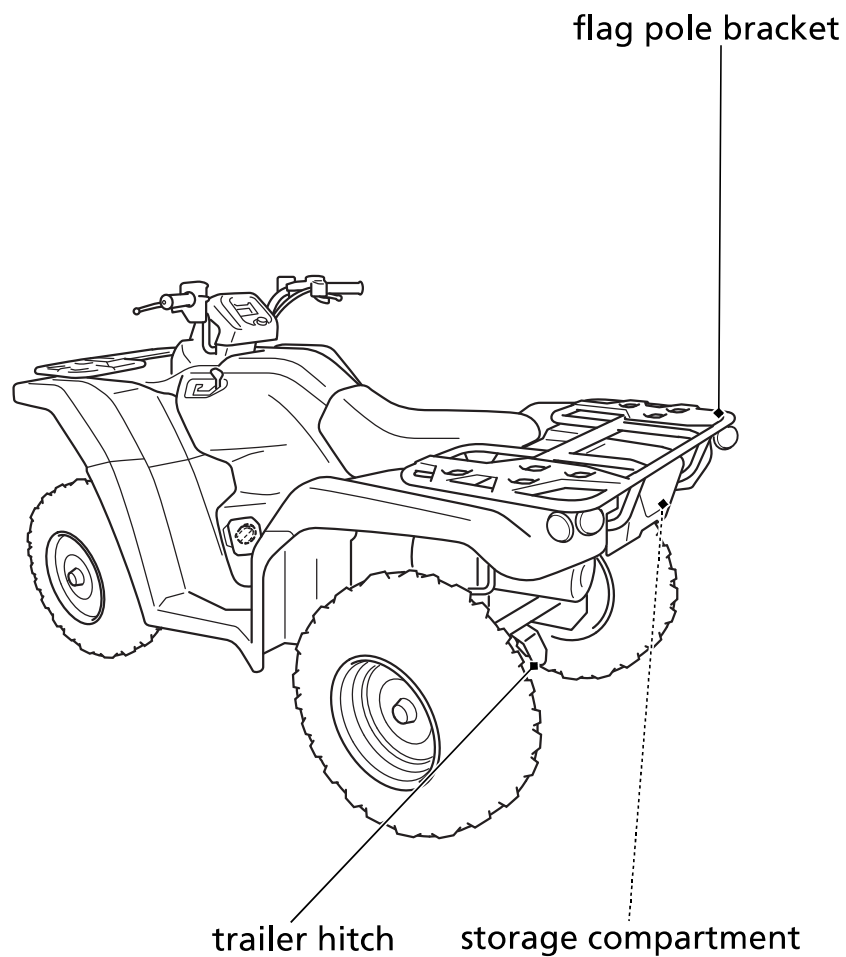
TRX420FA2



Operation Component Locations



Operation Component Locations

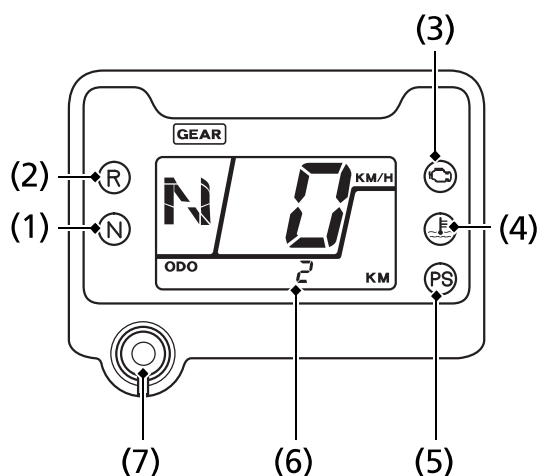


18 Instruments & Controls

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) neutral indicator
- (2) reverse indicator
- (3) PGM-FI indicator
- (4) high coolant temperature indicator

- (5) PS (Electric Power Steering) indicator (TRX420FM2/FA2)
- (6) multi-function display
- (7) mode button

Indicators & Displays

Lamp Check

Initial lamp check:

The indicators come on for a few seconds and then go off when you turn the ignition switch to ON (I).

The high coolant temperature indicator and PGM-FI indicator will temporarily come back on for a few seconds and then go off after initial lamp check.

TRX420FM2/FA2

The PS (Electric Power Steering) indicator comes back on and remains on until the engine is started after initial lamp check.

These indicators are identified in the table on page 22 with the words: *Lamp Check*.

When applicable, the reverse or neutral indicator comes back on and remains on until you shift out of reverse or neutral after initial lamp check.

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

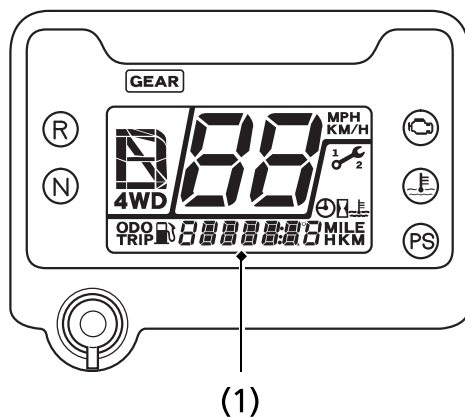
Indicators & Displays

Display Check

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

The displays are identified in the table on page 23 with the words: *Display Check*.

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



(1) multi-function display

Indicators & Displays

1	Neutral indicator	Lights when the transmission is in neutral. <i>Lamp Check.</i>
2	Reverse indicator	Lights when the transmission is in reverse. <i>Lamp Check.</i>
3	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. If the indicator comes on at any other time, reduce speed and take your vehicle to your dealer as soon as possible. <i>Lamp Check.</i>
4	High coolant temperature indicator	Lights when coolant temperature is high enough to adversely affect the service life of the engine. If the high coolant 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 243. <i>Lamp Check.</i>
5	PS (Electric Power Steering) indicator (TRX420FM2/FA2)	Lights when there is an abnormality in the EPS (Electric Power Steering) system. See page 57. <i>Lamp Check.</i>

Indicators & Displays

6	Multi-function display	The display includes the following functions. <i>Display Check.</i>
	4WD indicator	Shows when the 4WD drive mode engages (page 40).
	Gear position indicator	Shows the gear position (page 29).
	Speedometer	Shows riding speed (page 25).
	Fuel gauge	Shows approximate fuel supply available (page 30).
	Digital clock	Shows the time (hours and minutes) (page 32).
	Odometer	Shows accumulated mileage (page 33).
	Tripmeter	Shows mileage per trip (page 33).
	Coolant temperature gauge	Shows approximate coolant temperature (page 34).
	Hour meter	Shows hours and tenths of hours of engine operation (page 36).
	Maintenance minder indicator	Shows when specified maintenance interval is reached (page 37).
	Maintenance tripmeter Maintenance hour meter	Notifies when the mileage or operating hours on your ATV approaches and passes the interval specified on the maintenance schedule (page 37).

(cont'd)

Indicators & Displays

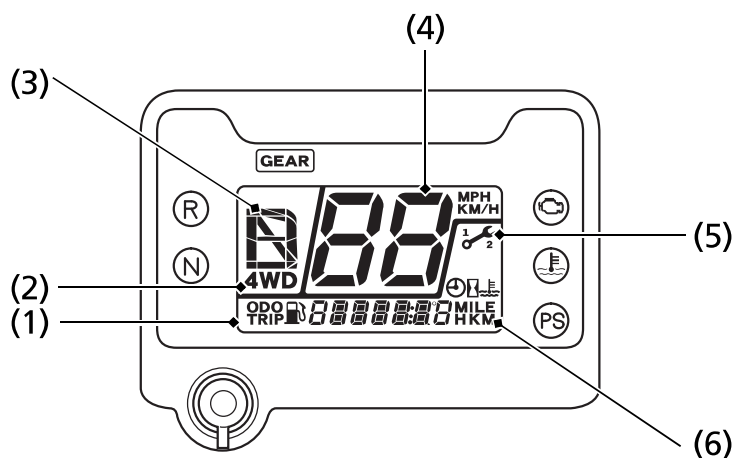
7	Mode button	Selects display in the lower parts of multi-function display (page 25). This button also used to change the speed and mileage unit (page 28), adjusts the clock (page 32) and resets tripmeter, maintenance tripmeter and maintenance hour meter (page 37).
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Indicators & Displays

Multi-function Display

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

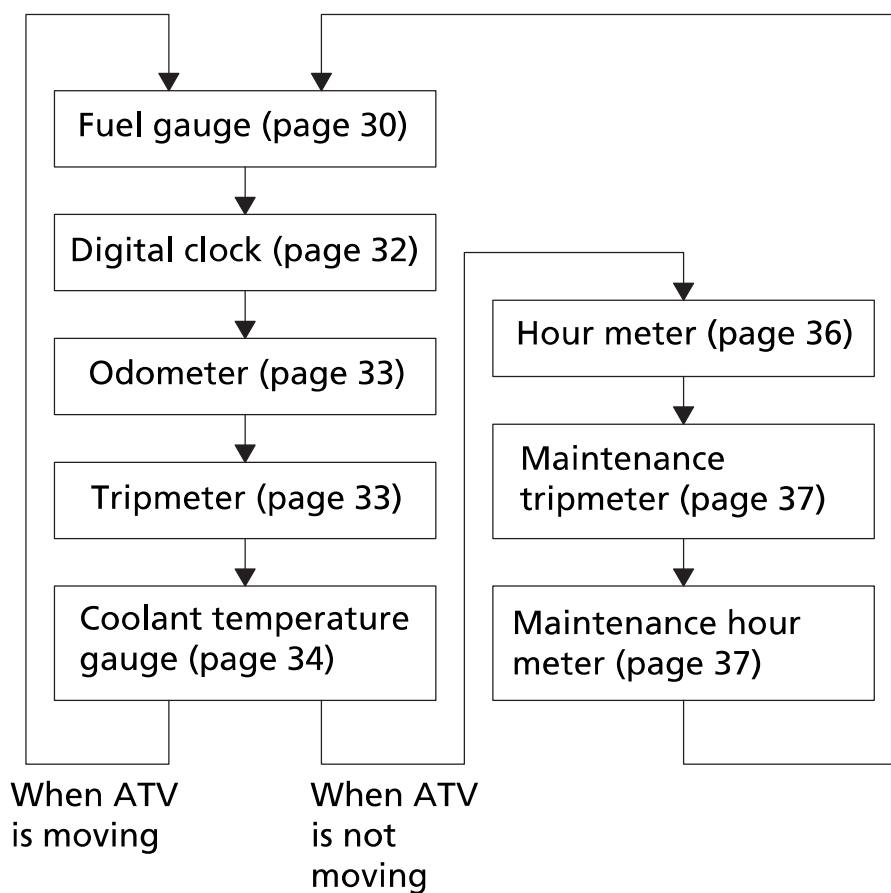
- | | |
|------------------------------|---------------------------|
| 4WD indicator | Digital clock |
| Gear position indicator | Odometer |
| Maintenance minder indicator | Tripmeter |
| Speedometer | Coolant temperature gauge |
| Fuel gauge | Hour meter |
| | Maintenance tripmeter |
| | Maintenance hour meter |



- | | |
|-----------------------------|---|
| (1) multi-function display | (5) maintenance minder indicator |
| (2) 4WD indicator | (6) fuel gauge/digital clock/odometer/tripmeter/coolant temperature gauge/hour meter/maintenance tripmeter/maintenance hour meter |
| (3) gear position indicator | |
| (4) speedometer | |

Indicators & Displays

Each time you press the mode button, mode will change as shown in the illustration.



Indicators & Displays

If there is a fuel warning with your ATV, the display will automatically change to the fuel gauge.

If you try to change the display back to ordinary display, it will automatically return to the fuel gauge.

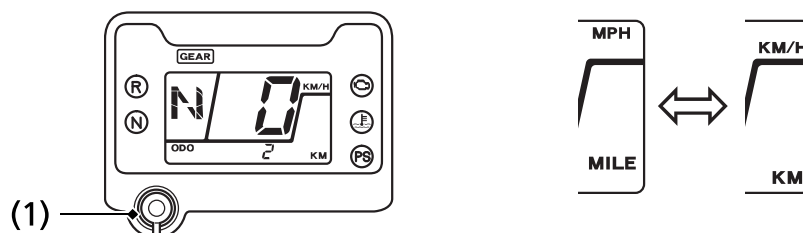
If there is a coolant temperature warning with your ATV, the display will automatically change to the coolant temperature gauge. If you try to change the display back to ordinary display, it will automatically return to the coolant temperature gauge.

Indicators & Displays

Speed and Mileage Unit Changing

The speedometer, odometer, tripmeter and maintenance tripmeter show in either "MPH" and "MILE" or "KM/H" and "KM".

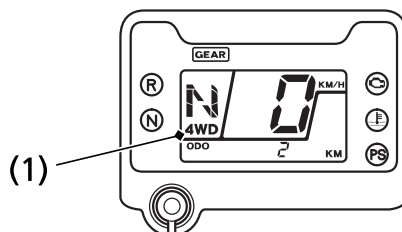
To change the speed and mileage unit, press and hold the mode button (1) for more than 5 seconds in odometer (page 33) with the ATV stopped.



(1) mode button

4WD Indicator

The 4WD indicator (1) appears when the 4WD mode engages (page 40).



(1) 4WD 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.

TRX420FM1/FM2:

The indicator displays: N for neutral, R for reverse, and 1 – 5 for the five forward gears.

TRX420FA2:

This vehicle is equipped with the drive mode select switch. (page 45)
 AUTO (automatic shift mode):

The indicator displays N for neutral, R for reverse, and D for drive.

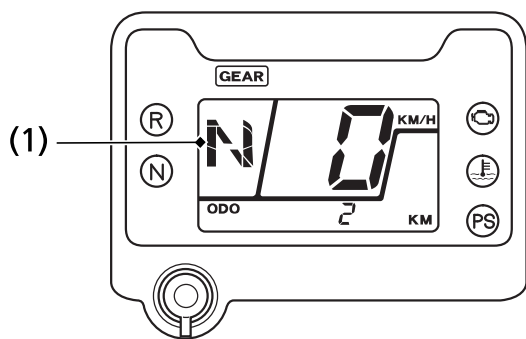
ESP (manual shift mode):

The indicator displays N for neutral, R for reverse, and 1 – 5 for the five forward gears.

“–” 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 properly displayed on the gear position indicator.

If the gear position indicator shows “–” or blinks, turn the ignition switch to the OFF (O) position, and then turn it back to the ON (I) position again.
 If the gear position indicator shows “–”, rock the vehicle back and forth and make sure the gear position indicator is displayed properly and then if the gear position indicator still shows “–” or blinks, see your dealer.

If the “–” on the gear position indicator is blinking, see your dealer.



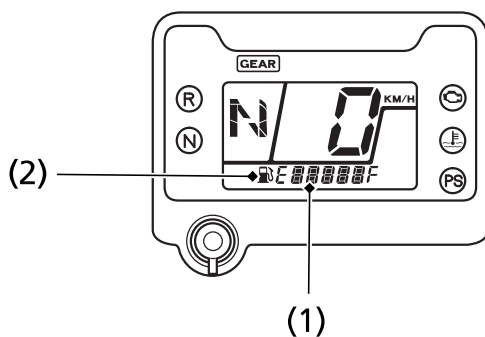
(1) gear position indicator

Indicators & Displays

Fuel Gauge

The fuel gauge (1) shows the approximate fuel supply available with fuel mark (2). The fuel tank capacity is:

14.7 ℓ (3.88 US gal, 3.23 Imp gal)

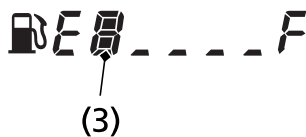


(1) fuel gauge

(2) fuel mark

Regardless of what mode the display is in, when the fuel level reaches only 1st segment (3), the display will automatically switch to the fuel gauge display. You should refuel as soon as possible. The amount of fuel remaining when there is only 1st segment is approximately:

6.9 ℓ (1.82 US gal, 1.52 Imp gal)



(3) 1st segment

Indicators & Displays

When the fuel gauge shows E _ _ _ _ F (4) and LO FUEL (5) blinks 3 times alternately and fuel mark blinks, you should refill the tank as soon as possible.

(The fuel mark blinks except the fuel gauge display)

The amount of fuel reserve is approximately:

4.9 ℓ (1.29 US gal, 1.08 Imp gal)



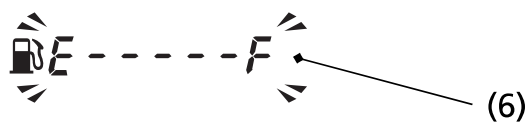
(4) E _ _ _ _ F

(5) LO FUEL

Fuel gauge failure:

If the fuel gauge E - - - - F (6) is blinking, the fuel gauge function has failed. See your dealer.

(The fuel mark disappears except the fuel gauge display)



(6) E - - - - F

Indicators & Displays

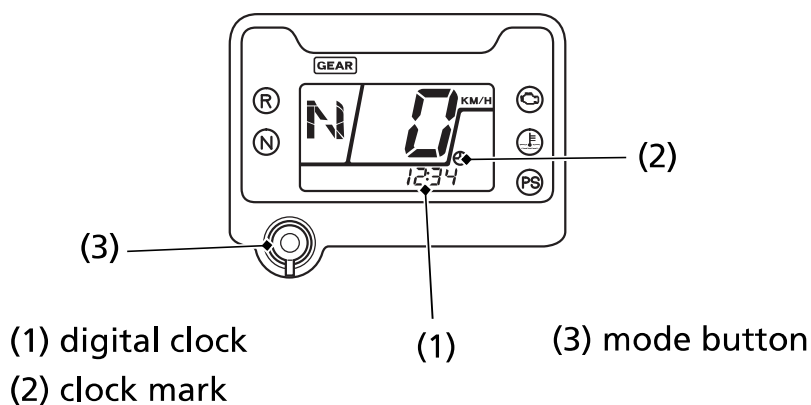
Digital Clock

The digital clock (1) displays hours and minutes with the clock mark (2), when the ignition switch is ON (I).

To adjust the time, proceed as follows:

1. Turn the ignition switch ON (I) to display the clock (page 26).
2. Press and hold the mode button (3) until the display starts blinking.
3. To advance the display 1 minute at a time, press and release the mode button for 0.5 seconds.
Press and hold the mode button, for more than 0.5 seconds, the display will begin advancing fast.
4. Release the mode button when the display reaches the desired time.
5. To set the clock, press and release the mode button for less than 0.5 seconds.

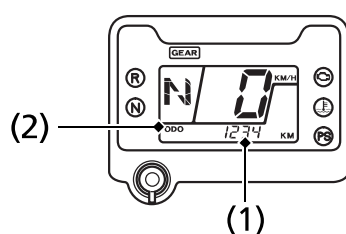
The clock can also be set by turning the ignition switch off and then on.



Indicators & Displays

Odometer

The odometer (1) registers total distance travelled in mileage while the ignition is ON (I) with the ODO display (2). The odometer locks at 999,999 when the readout exceeds 999,999.

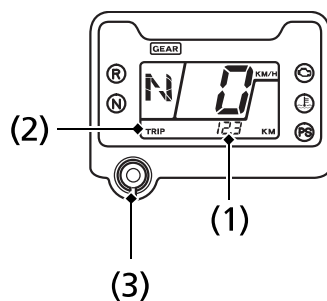


(1) odometer

(2) ODO display

Tripmeter

The tripmeter (1) shows mileage per trip with the TRIP display (2), while the ignition is ON (I) since you last reset the tripmeter. The tripmeter returns to 0.0 when the readout exceeds 999.9. To reset the tripmeter to 0.0, press the mode button (3) and hold it in for at least 2 seconds in the tripmeter mode.



(1) tripmeter

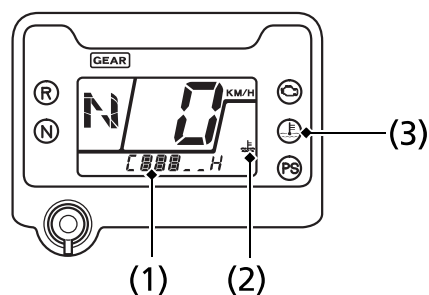
(2) TRIP display

(3) mode button

Indicators & Displays

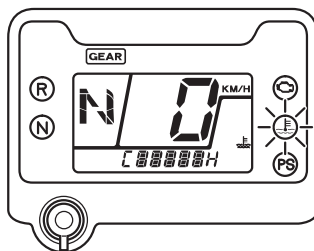
Coolant Temperature Gauge

The coolant temperature gauge (1) with the coolant temperature mark (2) shows the coolant temperature. When coolant temperature is low, the coolant temperature gauge will display "Lo".



- (1) coolant temperature gauge (3) high coolant temperature indicator
(2) coolant temperature mark

If all sections of the coolant temperature gauge and high coolant temperature indicator are on (automatically appears in the display) while you are riding, immediately stop the vehicle, turn the engine off and check the coolant reserve tank level. See page 163.



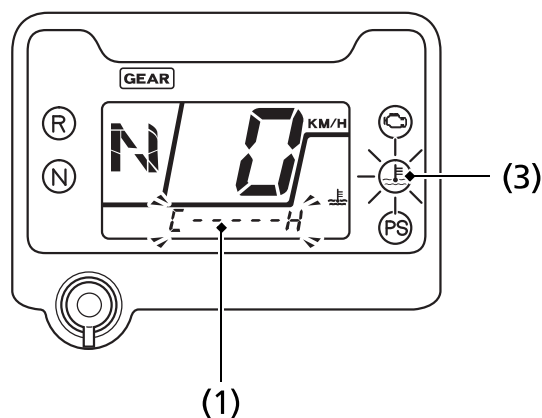
Indicators & Displays

NOTICE

Continuing to ride with an overheated engine can cause serious engine damage.

Coolant temperature gauge failure:

If the coolant temperature system has an error, the coolant temperature gauge (1) will blink and preferentially appear in the display, and/or high coolant temperature indicator (3) will turn on. If this occurs, see your dealer as soon as possible.



(1) coolant temperature gauge

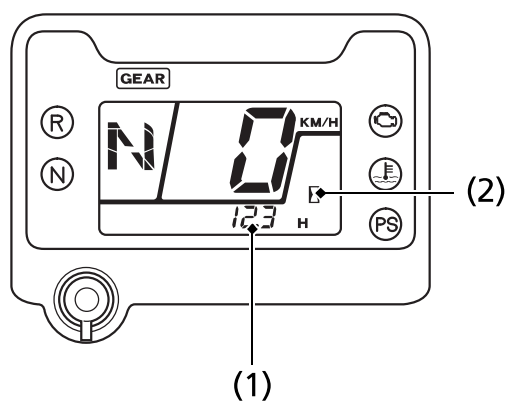
(3) high coolant
temperature indicator

Indicators & Displays

Hour Meter

The hour meter (1) shows accumulated hours while the ignition switch is ON (I) with the hour meter mark (2). The hour meter provides accurate service period information for initial and regular maintenance.

The hour meter locks at 99,999.9 when the readout exceeds 99,999.9.



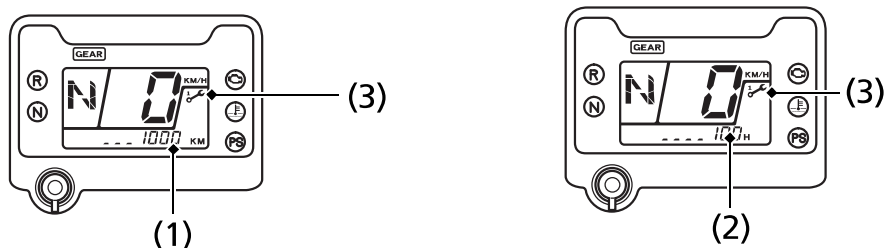
(1) hour meter

(2) hour meter mark

Indicators & Displays

Maintenance Tripmeter & Maintenance Hour Meter

The maintenance tripmeter (1), the maintenance hour meter (2) and maintenance minder indicator (3) inform you when the mileage or operating hours on your ATV approaches and passes the maintenance interval specified on the maintenance schedule (page 126).



(1) maintenance tripmeter
(2) maintenance hour meter

(3) maintenance minder indicator

The maintenance tripmeter, or the maintenance hour meter and maintenance minder indicator will blink, when they reach their setting values.



Indicators & Displays

Reset the meters after each scheduled maintenance.

To reset the maintenance tripmeter and the maintenance hour meter, press and hold the mode button and turn the ignition switch to ON (I). Continue to hold the mode button, the maintenance minder indicator will light up, and after 2 seconds will blink twice, the maintenance minder indicator is reset.

Also the maintenance tripmeter and maintenance hour meter will reset.

Maintenance Minder Indicators:

	Initial Maintenance Appears at 150 km (100 miles) or 20 operating hours, whichever comes first.
	Regular Maintenance Interval 1 Appears 1,000 km (600 miles) or 100 operating hours after the Initial Maintenance or Regular Maintenance Interval 2 is performed and maintenance minder is reset, whichever comes first in the maintenance schedule.
	Regular Maintenance Interval 2 Appears 1,000 km (600 miles) or 100 operating hours after Regular Maintenance Interval 1 is performed and maintenance minder is reset, whichever comes first in the maintenance schedule.

If the maintenance is done before the setting interval, be sure to reset the meters after the maintenance.

Controls & Features

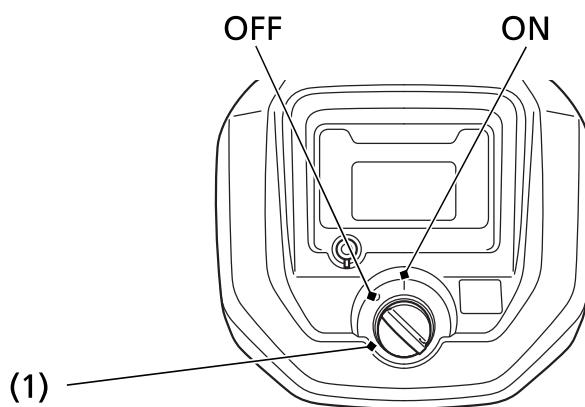
Ignition Switch

The ignition switch (1) is used for starting and stopping the engine (page 83). Insert the key and turn it to the right for the ON (I) position.

The ignition switch is also used to reset the maintenance tripmeter and the maintenance hour meter (page 38).

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

2WD/4WD Select Lever

Your ATV is equipped with a 2WD/4WD select lever (1), which permits a choice between the “2WD” and “4WD” drive modes. Select a drive mode that’s suitable for your riding.

Keep both hands on the handlebar while machine is in motion and come to a complete stop before using the 2WD/4WD select lever.

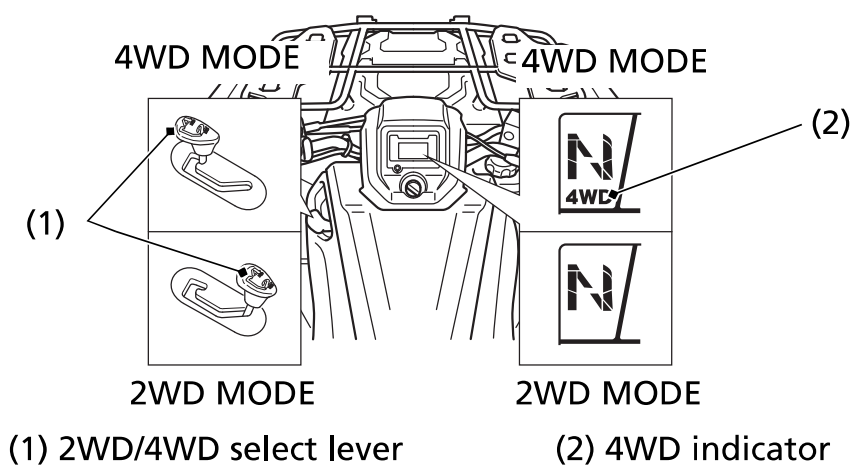
The 2WD/4WD select lever is located on the left side of the fuel tank. To select the drive mode, shift the 2WD/4WD select lever to the desired position.

After using the 2WD/4WD select lever, the mode may not mechanically engage until forward motion begins.

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

2WD mode: the 4WD indicator goes off when the 2WD mode engages.

4WD mode: the 4WD indicator goes on when the 4WD mode engages.



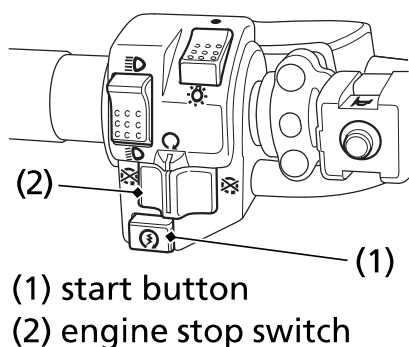
Controls & Features

Start Button

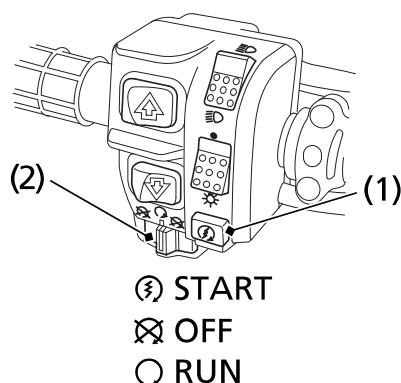


LEFT HANDLEBAR

TRX420FM1/FM2



TRX420FA2



The start button (1) is used for starting the engine. Pushing the button starts the engine. See *Starting Procedure*, page 85.

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 the 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 (I) and the engine stop switch OFF (⊗), the battery will discharge. Turn the ignition switch to OFF (O) to prevent battery discharge.

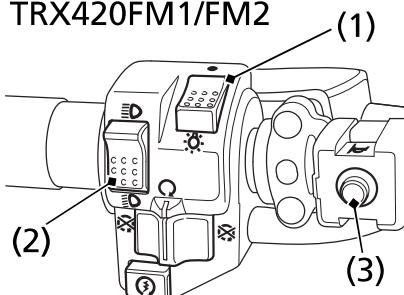
Controls & Features

Headlight Switch

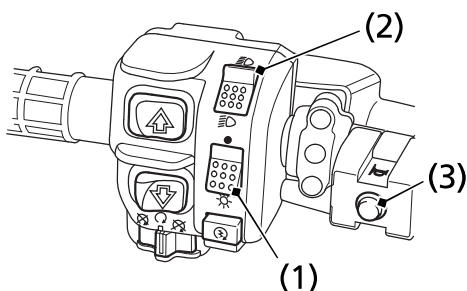


LEFT HANDLEBAR

TRX420FM1/FM2



TRX420FA2



(1) headlight switch

☀ ON

(2) headlight dimmer switch

● OFF

≡D HI

≡D LO

(3) horn button

The headlight switch (1) is used to turn the headlights 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

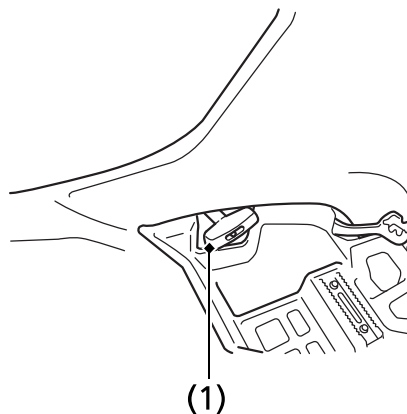


Press the horn button (3) to sound the horn.

Controls & Features

Recoil Starter

RIGHT SIDE



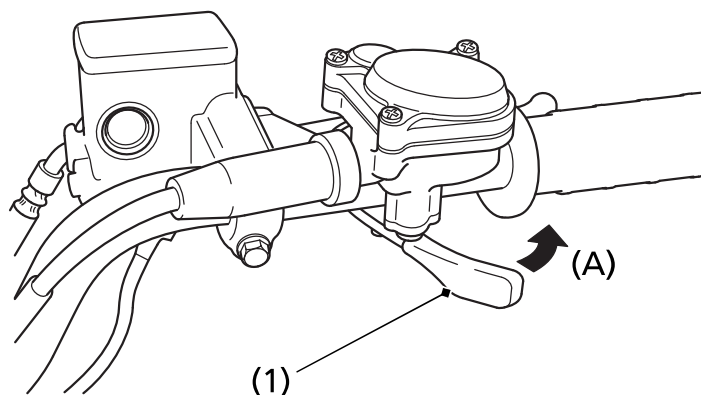
(1) recoil starter

The recoil starter (1) is used to start the engine when the battery is low. See *Using the Recoil Starter*, page 88.

Controls & Features

Throttle Lever

RIGHT HANDLEBAR



(1) throttle lever

(A) to open the throttle

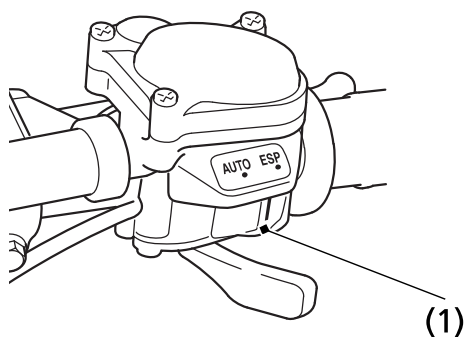
The throttle controls engine rpm (speed). To increase engine rpm, press the throttle lever (1) with your thumb. To reduce engine rpm, release pressure on the throttle lever. The throttle will automatically return to the closed position (engine idle) when you remove your thumb.

Controls & Features

Drive Mode Select Switch (TRX420FA2)

The drive mode select switch (1) has two positions, AUTO (automatic shift mode) and ESP (manual shift mode).
See *Shifting Gears (TRX420FA2)* page 91.

RIGHT HANDLEBAR



(1) drive mode select switch

Controls & Features

Gearshift Switch (TRX420FA2)

This vehicle is equipped with the drive mode select switch (page 45).

AUTO (automatic shift mode):

These gearshift switches [upshift switch (1) and downshift switch (2)] are used to select the drive (D), neutral (N) and reverse (R).

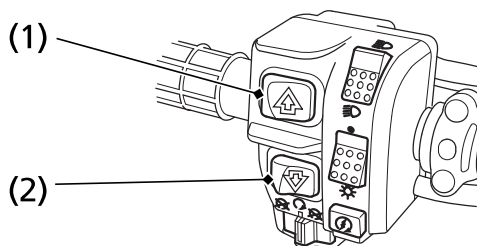
See *Shifting Gears (TRX420FA2)*, page 91 and *Riding in Reverse (TRX420FA2)*, page 99.

ESP (manual shift mode):

These gearshift 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 (TRX420FA2)*, page 91 and *Riding in Reverse (TRX420FA2)*, page 99.

LEFT HANDLEBAR

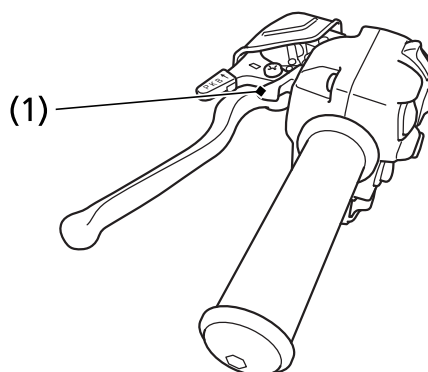


- (1) upshift switch
- (2) downshift switch

Controls & Features

Reverse Switch (TRX420FA2)

LEFT HANDLEBAR



(1) reverse switch

The reverse switch (1) is used when shifting the transmission into reverse (R).

To shift into reverse (R), see *Riding in Reverse (TRX420FA2)*, page 99.

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 102.

Rear Brake Lever/Parking Brake Lever

The rear brake lever/parking brake lever is used to slow or stop your ATV. To operate, pull the lever. For information on braking techniques, see page 102.

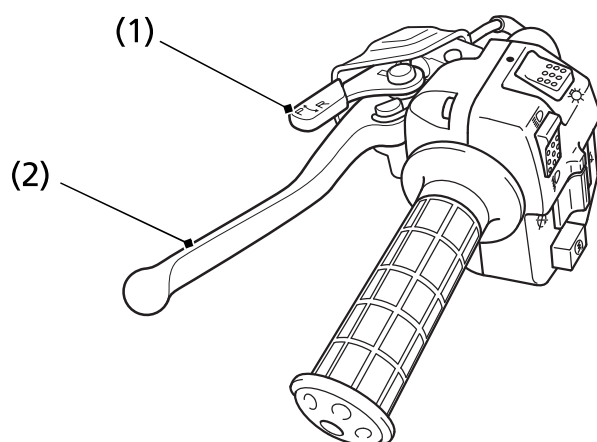
Rear Brake Pedal

The rear brake pedal is used to slow or stop your ATV. To operate, depress the pedal. For information on braking techniques, see page 102.

Controls & Features

Parking Brake/Reverse Lever (P/R Lever: TRX420FM1/FM2) P_{R}

LEFT HANDLEBAR



- (1) P/R lever
- (2) rear brake lever/parking brake lever

The P/R lever (1) on the rear brake lever/parking brake lever (2) is used to apply the parking brake or to shift the transmission into reverse.

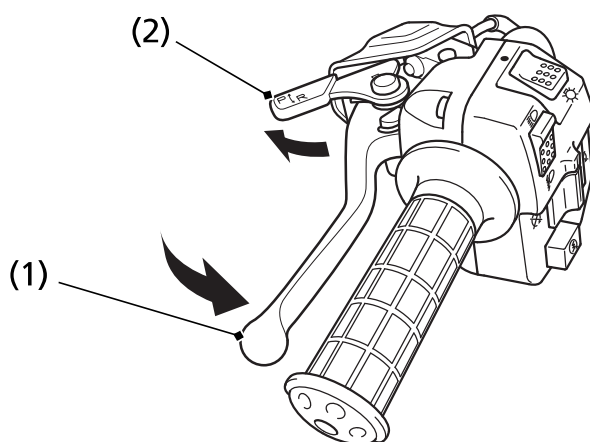
Controls & Features

To apply the parking brake:

Bring the vehicle to a complete stop, make sure the transmission is in neutral.

Squeeze the rear brake lever/parking brake lever (1), then rotate the P/R lever (2) clockwise until it engages the slot on the rear brake lever/parking brake lever bracket.

For more information on *Parking*, see page 117.



(1) rear brake lever/parking brake lever

(2) P/R lever

To release the parking brake:

Squeeze the rear brake lever/parking brake lever until the P/R lever is released from the slot on the rear brake lever/parking brake lever bracket.

The brakelight is activated by applying the parking brake. When using the parking brake, be sure to turn the ignition switch to OFF (O) to avoid discharging the battery.

To shift the transmission into reverse:

See *Riding in Reverse*, page 97.

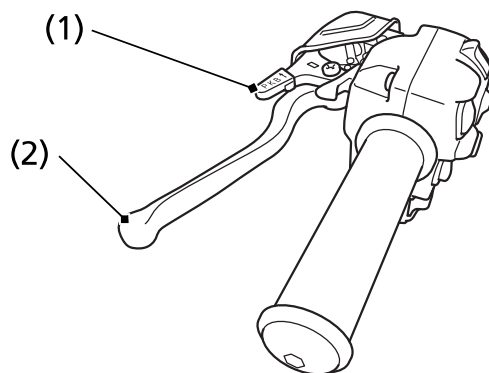
50 Instruments & Controls

Controls & Features

Parking Brake Lever (TRX420FA2)

PKB ↑

LEFT HANDLEBAR



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

The parking brake lock lever (1) on the rear brake lever/parking brake lever (2) is used to apply the parking brake.

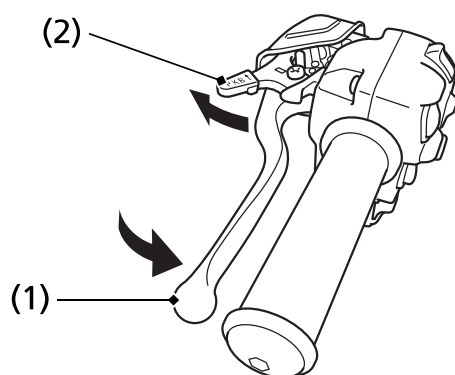
Controls & Features

To apply the parking brake:

Bring the vehicle to a complete stop, make sure the transmission is in neutral.

Squeeze the rear brake lever/parking brake lever (1), then rotate the parking brake lock lever (2) clockwise until it engages the slot on the rear brake lever/parking brake lever bracket.

For more information on *Parking*, see page 117.



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

To release the parking brake:

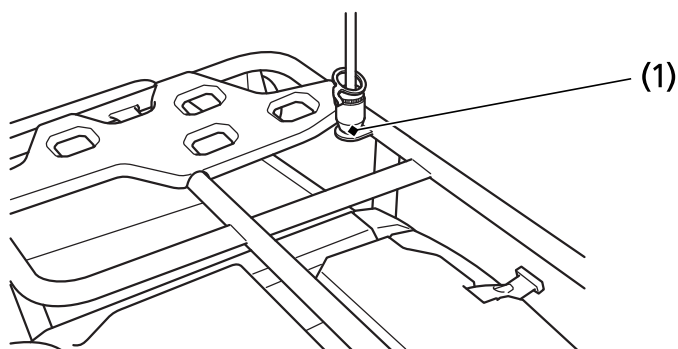
Squeeze the rear brake lever/parking brake lever until the parking brake lock lever is released from the slot on the rear brake lever/parking brake lever bracket.

The brakelight is activated by applying the parking brake. When using the parking brake, be sure to turn the ignition switch to OFF (O) to avoid discharging the battery.

Controls & Features

Flag Pole Bracket

RIGHT REAR



(1) flag pole bracket

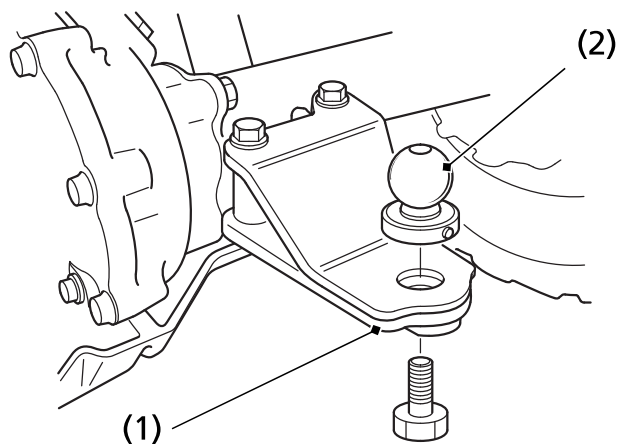
Flag poles are optional equipment available from your dealer. To mount a pole in the bracket (1), follow the instructions that come with the flag pole kit.

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 69.

Controls & Features

Front Utility Box

The front utility box (1) is located on the front centre cover. You may store small, lightweight items in the box.

To open:

Pull up the front of the front utility box cover (2).

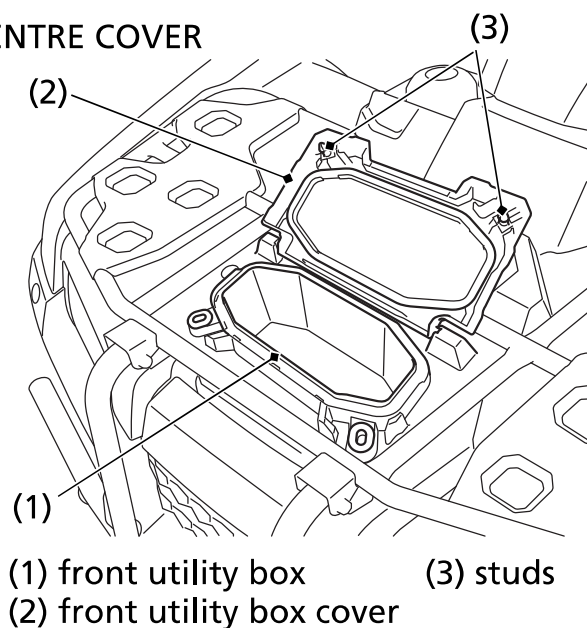
To close:

Push down the front of the front utility box cover until it locks in place. Make sure that the studs (3) are locked securely in position by pulling up lightly on the front of the front utility box cover.

NOTICE

*Do not store valuable items in the front utility box.
Be careful not to flood this area when washing your ATV.*

FRONT CENTRE COVER



Controls & Features

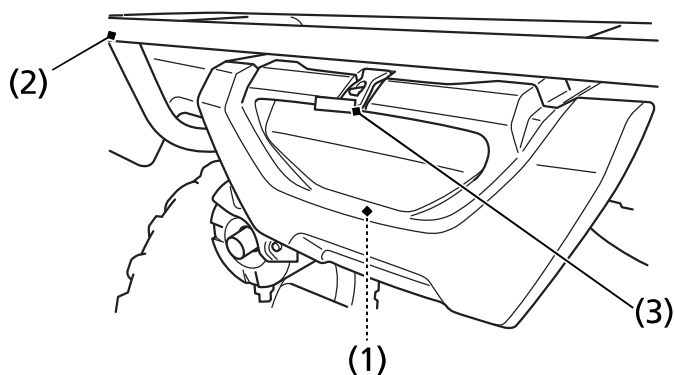
Storage Compartment

The storage compartment (1) is located below the rear cargo rack (2).

To open the compartment, unhook the rubber strap (3).

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

REAR



- (1) storage compartment
- (2) rear cargo rack
- (3) rubber strap

Controls & Features

EPS (Electric Power Steering) (TRX420FM2/FA2)

This ATV is equipped with an electronically controlled, electric-power-assisted steering system.

While the engine is running, the EPS (Electric Power Steering) system provides power from the electric motor, which helps you to turn the ATV's handlebar more easily.

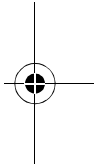
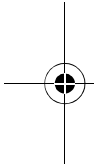
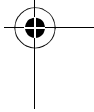
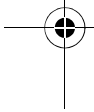
The EPS system on this ATV utilizes an overheat protection feature to prevent damage to system components. In certain extended, repetitive high-load situations the PS indicator will illuminate and the system will reduce or even disable power steering assist. The steering will perform as a normal non-EPS system during this brief period. If this occurs, safely stop the vehicle and allow the EPS system to cool down until the PS indicator goes off. After cooling down, steering will return to normal EPS operation.

The PS indicator should light when the ignition switch is turned ON (I) and remain on until the engine is started.

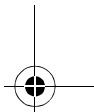
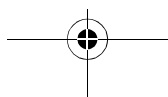
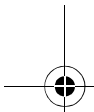
The PS indicator also lights when there is any abnormality in the EPS system. If this occurs, the electric power assist for turning will not be available, but the manual steering system will perform as usual.

If the PS indicator lights at any time while riding, other than the temporary overheat condition described above, reduce speed and take your ATV to your dealer as soon as possible. Continuing to ride with a EPS system problem can damage system components.

Do not modify your Electric Power Steering system. In case of a malfunction, take your ATV to your dealer.



58 Instruments & Controls



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, trousers, 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.

Helmet 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 trousers.

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 trousers 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 90 cc.

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 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 (pages 146, 148). Check for leaks.
<i>Radiator Coolant</i>	Check the coolant level and add coolant if needed (page 163). Check for leaks.

(cont'd)

Before Riding 65

Is Your ATV Ready to Ride?

<i>Fuel</i>	Check the level and add fuel (page 141) 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 199).
<i>Drivetrain Boots</i>	Check for damage (page 208).
<i>Guards</i>	Check for damage or looseness (page 206).
<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 174) 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 taillight 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 70).

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 175).

Brakes Squeeze the front and rear brake levers and step on the rear brake pedal to check that the controls operate normally. Check for proper freeplay (pages 191, 193). Make sure there is no brake fluid leakage (page 188).

Reverse Assist Lever (TRX420FM1/FM2) Check the freeplay and adjust if needed (page 178). Make sure the lever operates smoothly without sticking.

(cont'd)

Before Riding 67

Is Your ATV Ready to Ride?

*Headlight and
Headlight Dimmer
Switch*

Check for proper function (page 42).

Engine Stop Switch

Check for proper function (page 41).

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 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

Load Limits

Following are the load limits for your ATV:

There are limits to how much weight can be carried on your ATV and be pulled in a trailer.

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.

maximum weight capacity 187 kg (412 lb)
(includes the weight of the rider, all cargo, and accessories.)

front cargo rack weight limit = 30 kg (66 lb)
rear cargo rack weight limit = 60 kg (133 lb)
tow weight limit = 385 kg (850 lb)
(Combined weight of the trailer and all cargo in the trailer)

tongue weight = 14 kg (30 lb) recommended
(Weight on the trailer tongue)

tongue and rear cargo weight = 60 kg (133 lb) maximum
(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.

70 Before Riding

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.
- 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 Honda Genuine 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 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 261). A blown fuse can cause a loss of lights or engine power (page 245).

72 Before Riding

Accessories & Modifications

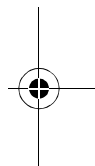
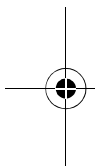
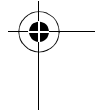
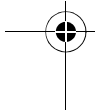
Modifications

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.

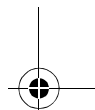
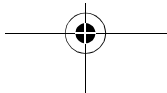
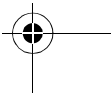
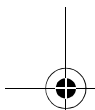
Because safety, vehicle movement, and clearance must be taken into consideration, you must consult your tyre maker or Honda dealer before changing your tyre model type.

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

Tampering with the engine voids the EU type-approval of that particular engine.



74 Before Riding



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 264).

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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 59.

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

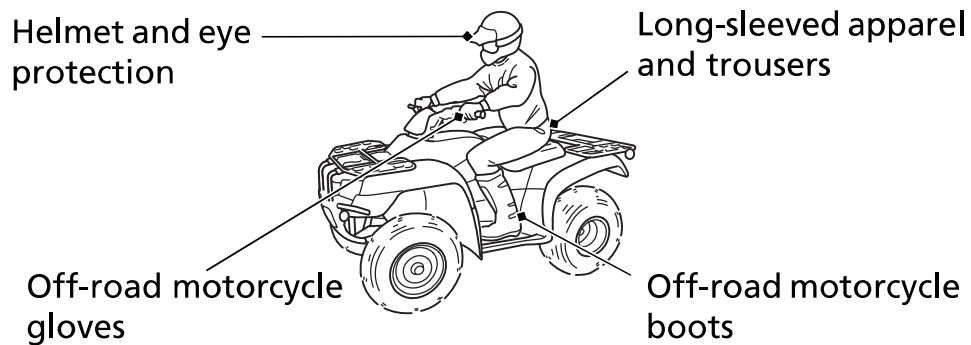
Removing hands from handlebars or feet from footpegs during operation can reduce your ability to control the ATV or could cause you to lose your balance and fall off of the ATV.

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

Safe Riding Precautions

Riding Position & Safety Equipment

Sit on the vehicle as shown below, keeping your hands on the handlebars and feet on the footpegs.



Safe Riding Precautions

Moving the ATV without Starting the Engine

When you need to move the ATV without starting the engine follow the below steps. (When the ATV has stalled or starts to roll backwards, see page 109)



Be sure your legs are clear of the wheels.

1. After confirming that the engine is off, stand beside the ATV so you can reach the rear brake lever with your left hand.
2. Be sure your legs are clear of the wheels.
3. Check your footing.
4. Slowly and carefully push the ATV, and use the rear brake lever to control speed as necessary.

Safe Riding Precautions

Control Speed

Riding at excessive speed increases the chance of a crash. 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.

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.

(cont'd)

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.

WARNING

Running the engine of your vehicle while in an enclosed or even partially enclosed area can cause a rapid build-up of toxic carbon monoxide gas.

Breathing this colourless, odourless gas can quickly cause unconsciousness and lead to death.

Only run your vehicle's engine when it is located in a well ventilated area outdoors.

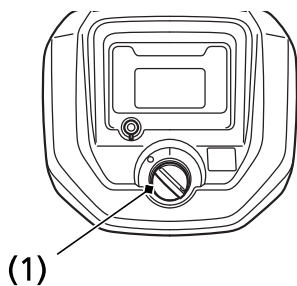
TRX420FA2:

If you turn the ignition switch to the OFF (O) position while in reverse, the transmission will automatically return to neutral (N) when the ignition switch is turned to the ON (I) position.

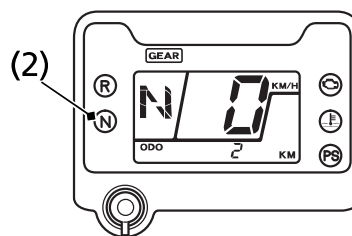
The starter motor will operate when the transmission is in neutral or the front brake lever is pulled in.

Starting & Stopping the Engine

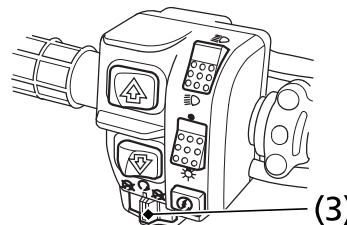
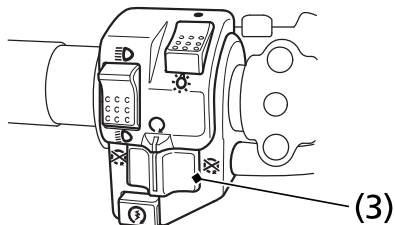
Preparation



TRX420FM1/FM2



TRX420FA2



(1) ignition switch

(3) engine stop switch

(2) neutral indicator

1. Before starting, make sure the vehicle is on a level surface and lock the parking brake (pages 50, 52).
2. Turn the ignition switch (1) to ON (I).

Confirm the following:

- The transmission is in neutral, the neutral indicator (2) is ON and the gear position indicator shows "N".
- The engine stop switch (3) is set to RUN (O).

Starting & Stopping the Engine

Starting Procedure

This ATV is 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).

Snapping the throttle or fast idling for more than 5 minutes may cause exhaust pipe and muffler discolourations.

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 (O).
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 232.

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 (O) position and then back to ON (I). The engine will not restart until you perform this procedure.

Starting & Stopping the Engine

Stalled Engine

You can restart the engine while the vehicle is stopped by squeezing the front brake lever and pressing the start button.

Do not press the throttle lever while starting in gear. The engine will not start if the throttle is fully open (because the electronic control module cuts off the fuel supply).

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 light is on, then turn the ignition switch to OFF (O).

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

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

Emergency Engine Stop

To stop the engine in an emergency, use the engine stop switch. To operate, slide the switch to either OFF (X) position.

Starting & Stopping the Engine

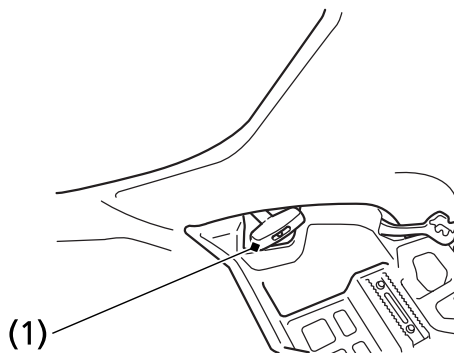
Using the Recoil Starter

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. Grasp the starter grip (1) firmly, then pull it out slowly approximately 100 mm (4 in).
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 dealer.

RIGHT SIDE

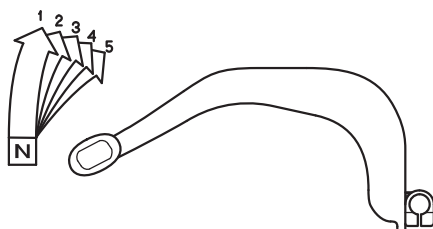


(1) starter grip

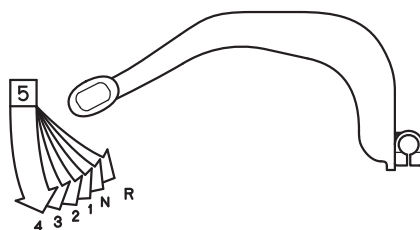
Shifting Gears

Shifting Gears (TRX420FM1/FM2)

UPSHIFTING SEQUENCE



DOWNSHIFTING SEQUENCE



Your ATV has five forward gears: 1, 2, 3, 4, and 5.

The shift lever is located near the left footpeg. One full stroke of the shift lever shifts the transmission to the next higher or lower gear in the shifting sequence. The shift lever automatically returns to the horizontal position when released.

To upshift to a higher gear, put the toe of your boot under the shift lever and raise it one full stroke. To downshift, step on the shift lever and depress it one full stroke.

To select reverse, see *Riding in Reverse*, page 97.

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

1. With the transmission in neutral, release the parking brake, but continue squeezing the rear brake lever.

(cont'd)

Shifting Gears

2. With the throttle closed, raise the shift lever one full stroke to shift into 1st (first) gear.
3. Release the rear brake lever and increase engine speed by gradually opening the throttle.
4. When speed increases, release the throttle and shift to 2nd gear by raising the shift lever one full stroke.
5. Repeat this sequence to progressively upshift to 3rd, 4th and 5th (top) gear.
6. To downshift, reverse this sequence. Remember to close the throttle each time you shift to the next lower gear.

Learning when to shift gears 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 drivetrain.
- 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 possibly cause damage.
- 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.

Shifting Gears

Shifting Gears (TRX420FA2)

Your ATV has two shift modes: AUTO (automatic shift mode) and ESP (manual shift mode).

You can select the desired shift mode with the drive mode select switch.

AUTO (automatic shift mode):

Use this mode for everyday riding. The transmission automatically shifts to keep the engine at the best speed for the riding condition. The gear position indicator will show "D" for forward gears, "N" for neutral, and "R" for reverse. Select gear position with the gear shift switches.

In AUTO (automatic shift mode), you can temporarily shift up or down by using the shift switches.

ESP (manual shift mode):

In this mode, you can shift gears much like a manual transmission, but without operating a clutch. You can select five forward gears, neutral and reverse by operating the gear shift switches.

The gear position indicator will show "1, 2, 3, 4, or 5" for forward gears, "N" for neutral, and "R" for reverse.

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

Shifting Gears

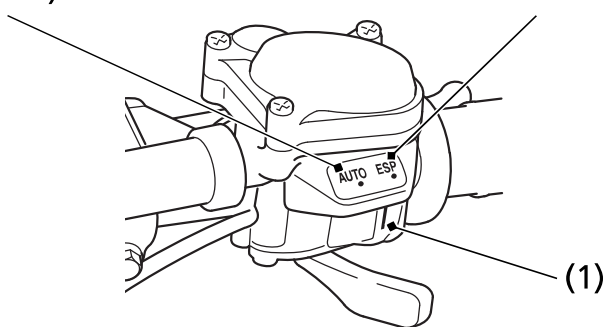
Drive mode select (AUTO/ESP)

The drive mode select switch (1) is located on the right handlebar. To select the drive mode, release the throttle, then slide the drive mode select switch to the desired position. With the throttle fully closed, the drive mode can be changed while riding.

RIGHT HANDLEBAR

AUTO (automatic
shift mode)

ESP (manual
shift mode)



(1) drive mode select switch

Gear Position selection AUTO (D/N/R), Manual (1-5/N/R)

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

To shift between a forward gear (D or 1), neutral (N), or reverse (R), bring the ATV to complete stop, and press a shift switch to select gear position.

Select neutral (N) when you start the engine, or if it is necessary to stop briefly with the engine idling.

The gear position indicator shows "N".

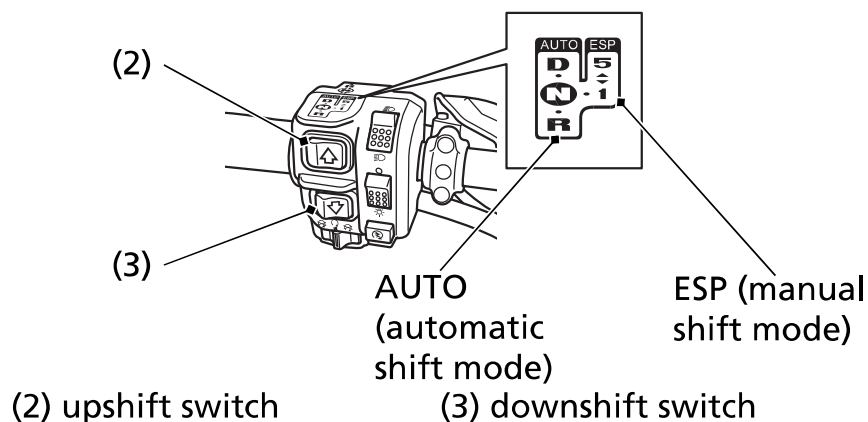
Shifting Gears

To select a forward gear (D or 1) from neutral (N), press the upshift switch (2) once.

- In AUTO (automatic shift mode) the gear position indicator shows "D"
- In ESP (manual shift mode) the gear position indicator shows "1"

To select reverse (R) from neutral (N), use the reverse switch and press the downshift switch (3) once. See *Riding in Reverse* (TRX420FA2) (page 99).

LEFT HANDLEBAR



(2) upshift switch

(3) downshift switch

Driving in AUTO (automatic shift mode):

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

1. With the transmission in neutral, release the parking brake (page 52), but continue to squeeze the rear brake lever/parking brake lever.
2. With the throttle closed, select the AUTO (automatic shift mode), and then press the upshift switch once to shift into drive (D).
3. The gear position indicator shows "D".
4. Release the rear brake lever/parking brake lever and increase engine speed by gradually opening the throttle.

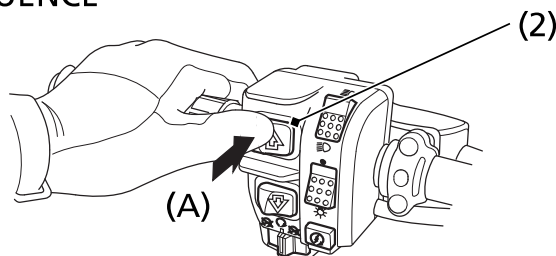
Shifting Gears

Driving in ESP (manual shift mode):

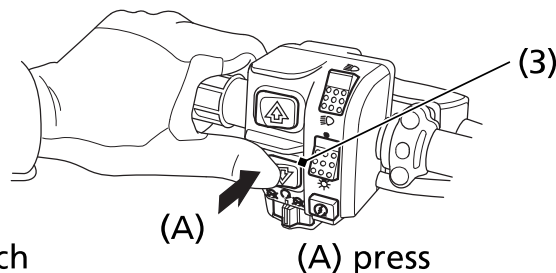
After starting the engine and letting it warm up, follow these procedures:

1. With the transmission in neutral, release the parking brake (page 52), but continue to squeeze the rear brake lever/parking brake lever.
2. With the throttle closed, select the ESP (manual shift mode), and then press the upshift switch (△) (2) once to shift into 1st gear.
3. The gear position indicator shows "1".
4. Release the rear brake lever/parking brake lever and increase engine speed by gradually opening the throttle.
5. When speed increases, release the throttle and upshift to 2nd gear by pressing the upshift switch once.
6. Repeat this sequence to progressively upshift to 3rd, 4th and 5th (top) gear.
7. To downshift, press the downshift switch (▽) (3) once.
Remember to close the throttle each time you shift to the next lower gear.

UPSHIFTING SEQUENCE



DOWNSHIFTING SEQUENCE



- (2) upshift switch
(3) downshift switch

(A) press

Shifting Gears

You can temporarily shift up or down in AUTO (automatic shift mode) by using the shift switches.

The transmission cannot be upshifted from neutral to 1st gear or D-mode when the engine speed is above 2,200 min⁻¹ (rpm) or the ground speed is above 5 km/h (3 mph).

The transmission cannot be downshifted from 1st gear or D-mode to neutral when the ground speed is above 5 km/h (3 mph) or engine speed is above 2,200 min⁻¹ (rpm).

In ESP (manual shift mode), if the ground speed decreases under a set speed (see table) the transmission will automatically downshift to the next lower gear.

Gear	Down Shift Speed	
	KM/H	MPH
From 5th to 4th	12	7
From 4th to 3rd	8	5
From 3rd to 2nd	6	4
From 2nd to 1st	3	1

If the ATV is at a complete stop, 2nd gear, 3rd gear, 4th gear or 5th gear cannot be selected.

If the electric shift system malfunctions, the transmission cannot be shifted by pressing the gearshift switches. See your dealer. (In an emergency, a gear may be selected manually so you may move the vehicle. See *Emergency Gear Selection & Operation (TRX420FA2)* page 238).

(cont'd)

Shifting Gears

Learning when to shift gears 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 drivetrain.
- 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 possibly cause damage.
- 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

Riding in Reverse (TRX420FM1/FM2)

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

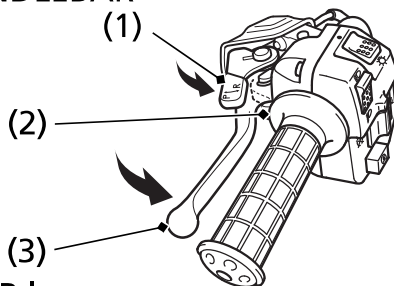
⚠ WARNING

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. Be sure there are no obstacles or people in the way.
3. Fully rotate the P/R lever (1) counterclockwise to engage the P/R lever with the reverse assist lever (2).
4. While continuing to hold the P/R lever, squeeze the rear brake lever/parking brake lever (3), then depress the shift lever once to shift into "R" (reverse) gear.
5. Make sure that the reverse indicator comes on and the gear position indicator shows "R".

LEFT HANDLEBAR



- (1) P/R lever
- (2) reverse assist lever
- (3) rear brake lever/parking brake lever

Riding in Reverse

NOTICE

Your ATV may be equipped with a reverse speed limiter, which helps the vehicle to maintain a safe speed while riding in reverse gear.

6. Release the rear brake lever/parking brake lever.
7. Open the throttle gradually and ride slowly. Do not open the throttle suddenly or make abrupt turns.
8. To stop, close the throttle and gradually apply both the front and rear brakes. Do not abruptly apply the rear brake alone.
9. To shift out of reverse and into neutral, raise the shift lever one stroke to shift into "N" (neutral) gear.
(the neutral indicator is on and the gear position indicator shows "N")

⚠ 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.

Riding in Reverse

Riding in Reverse (TRX420FA2)

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

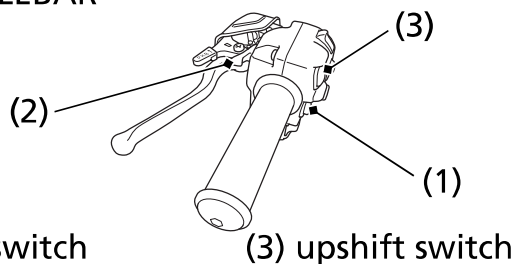
⚠ WARNING

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 with brakes, and holding the brakes.
2. Be sure there are no obstacles or people in the way.
3. Press and hold the reverse switch (2), then press the downshift switch (⇩) (1) within 10 seconds to shift into "R" reverse gear. You can also shift into "R" reverse gear by pressing and holding the downshift switch (⇩) (1), then pressing the reverse switch (2) within 0.5 seconds.
4. Make sure that the reverse indicator comes on and the gear position indicator shows "R".

LEFT HANDLEBAR



(1) downshift switch
(2) reverse switch

(3) upshift switch

(cont'd)

Riding in Reverse

NOTICE

Your ATV may be equipped with a reverse speed limiter, which helps the vehicle to maintain a safe speed while riding in reverse gear.

5. Release the brakes.
6. Open the throttle gradually and ride slowly. Do not open the throttle suddenly or make abrupt turns.
7. To stop, close the throttle and gradually apply both the front and rear brakes. Do not abruptly apply the rear brake alone.
8. Shift out of reverse and into "N" (neutral) or "D or 1" (forward gear)
 - To shift into "N" (neutral), press the upshift switch (⬆) (3) once.
 - To shift into "D or 1" (forward gear), press and hold the reverse switch (2), then press the upshift switch (⬆) (3) within 10 seconds. You can also shift into "D or 1" (forward gear) by pressing and holding the upshift switch (⬆) (3), then pressing the reverse switch (2) within 0.5 seconds.

Riding in Reverse

The reverse switch will not operate if you operate continuously with the reverse switch pressed.
Release the reverse switch once.

The transmission cannot be shifted from neutral back into reverse when the engine speed is above 2,200 min⁻¹ (rpm) or speed of your ATV is above 5 km/h (3 mph).

The transmission cannot be shifted from reverse up to neutral when the engine speed is above 2,200 min⁻¹ (rpm) or if the speed of your ATV is above 5 km/h (3 mph).

If you turn the ignition switch to the OFF (O) position while in reverse, the transmission will automatically return to neutral (N) when the ignition switch is turned to the ON (I) position.

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 disc brakes on both front wheels which are hydraulically activated by operating the right brake lever. A single drum brake on the rear axle housing is mechanically activated by depressing the brake pedal or 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.

Except TRX420FA2:

To slow or stop, apply the brake lever and brake pedal smoothly, while downshifting to match your speed.

TRX420FA2:

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 (manual shift mode).

Except TRX420FA2:

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

TRX420FA2:

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

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Braking

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.

Except TRX420FA2:

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

TRX420FA2:

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 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 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 judgement. 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.

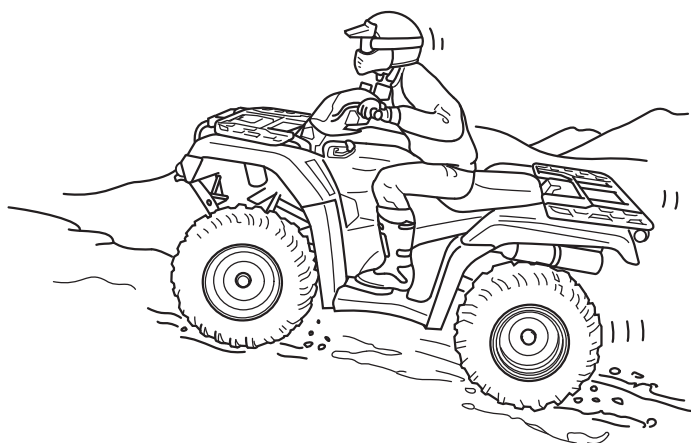
When climbing hills, you must shift weight toward the front wheels to help keep them on the ground. To do this, shift your body slightly forward on the seat and lean forward. For greater weight shift, move your body farther forward and lean forward.

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

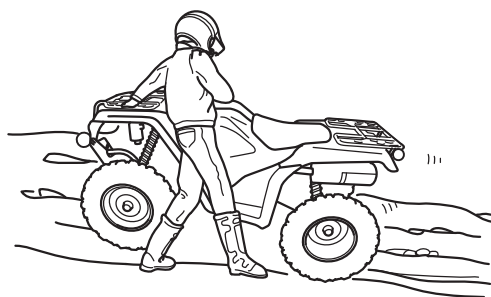
What to do after the ATV has stalled or rolled backwards:

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/parking 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/parking 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, 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 centre 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 Your ATV

Riding Through Water

Your ATV is designed to travel through water up to approximately 254 mm (10 inches) deep. Before crossing a stream, make sure the water is not too deep or flowing too fast.

WARNING

The ATV tyres 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.

NOTICE

Water entering the muffler may damage the oxygen sensor and result in emissions control system malfunction. Have your ATV dealer inspect the oxygen sensor immediately after water enters the muffler.

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.

(cont'd)

Riding Your ATV

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 198.

Parking

Touching the brakes after long hours or heavy usage, can cause burn injuries.

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 to OFF (O).

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

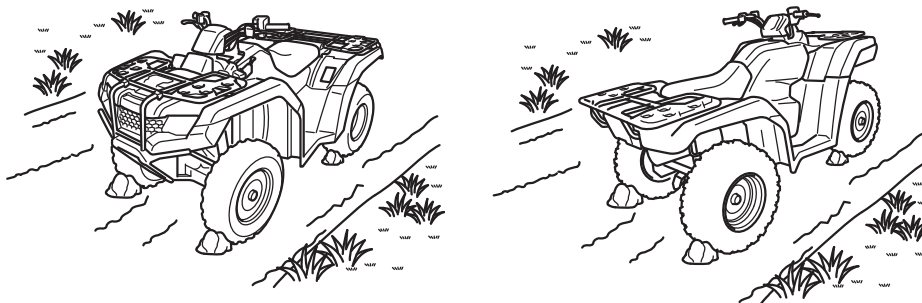
The brakelight is activated by applying the parking brake. When using the parking brake, be sure to turn the ignition switch to OFF (O) to avoid discharging the battery.

Parking

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 to OFF (O) 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 245.

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 you 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 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.

Maintenance Safety

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.
Fire hazards due to debris accumulation. Built-up debris could catch fire and cause burns and other fire related injuries. Clean the vehicle immediately after each use to remove any debris from near the engine, exhaust system, and other potentially hot areas. Be careful not to make direct contact with hot surfaces or components while clearing debris. Wear protective gloves/clothing and use appropriate tools to clear debris.
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 petrol. Use only non-flammable solvent, not petrol, 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 Honda Genuine Parts or other equivalents for repair and replacement.

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 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 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 Shop Manual.

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 Honda Genuine Parts or their equivalents for repair or replacement to ensure the best quality and reliability.

Changing parts can affect your health and safety. We recommend that you consult your dealer if you do not have the proper equipment and experience to change parts on your own.

Maintenance Schedule

Perform the pre-ride inspection (page 65) 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 dealer.

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

(cont'd)

Servicing Your Honda 125

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	INITIAL MAINT.	REGULAR MAINT. INTERVAL		Refer to page
				km	1000	
				mi	600	
				MONTH	6	
		NOTE	HOURS	20	100	200
* FUEL LINE					I	—
* THROTTLE OPERATION					I	175
AIR CLEANER	(NOTE 1)			C	C	169
AIR CLEANER HOUSING DRAIN TUBE	(NOTE 2)			I	I	174
SPARK PLUG				I	I	179
* VALVE CLEARANCE			I	I	I	182
ENGINE OIL			INITIAL= 150 km (100 mi), 20 operating hours or 1 month: R REGULAR= Every 1,000 km (600 mi), 100 operating hours or 12 months: R			143
ENGINE OIL FILTER						150, 154
* ENGINE IDLE SPEED			I	I	I	—
RADIATOR COOLANT	(NOTE 3)			I	I	162
* COOLING SYSTEM	(NOTE 2)			I	I	—

* Should be serviced by your dealer, unless you have the proper tools and service data, and is mechanically qualified. Refer to the official Honda Shop Manual.

Maintenance Schedule

ITEMS		FREQUENCY	WHICHEVER COMES FIRST	INITIAL MAINT.	REGULAR MAINT. INTERVAL		Refer to page	
			⇒	km	150	1000		2000
				mi	100	600		1200
				MONTH	1	6		12
		NOTE	HOURS	20	100	200		
	DRIVETRAIN BOOTS				I	I	208	
	FRONT/REAR FINAL GEAR OIL				(R: EVERY 2 YEARS)	I	157,160	
*	2WD/4WD SELECT SYSTEM					I	—	
*	BRAKE FLUID	(NOTE 3)			I	I	188	
*	BRAKE SHOES WEAR	(NOTE 1, 2)				I	196	
*	BRAKE PADS WEAR	(NOTE 1, 2)				I	190	
*	BRAKELIGHT SWITCH			I	I	I	197	
	BRAKE SYSTEM			I	I	I	187	
*	REVERSE INHIBITOR SYSTEM (FM1/FM2 models)			I	I	I	178	
	GUARDS				I	I	206	
*	CLUTCH SYSTEM (FM1/FM2 models)			I	I	I	177	
*	SUSPENSION				I	I	184	
*	SPARK ARRESTER				C	C	183	
*	NUTS, BOLTS, FASTENERS			I		I	—	
**	WHEELS/TYRES			I	I	I	199	
**	TIE-ROD AND JOINT BOOTS			I	I	I	—	
**	STEERING SHAFT HOLDER BEARINGS					I	—	
**	STEERING SYSTEM					I	—	

* Should be serviced by your dealer, unless you have the proper tools and service data, and is mechanically qualified. Refer to the official Honda Shop Manual.

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

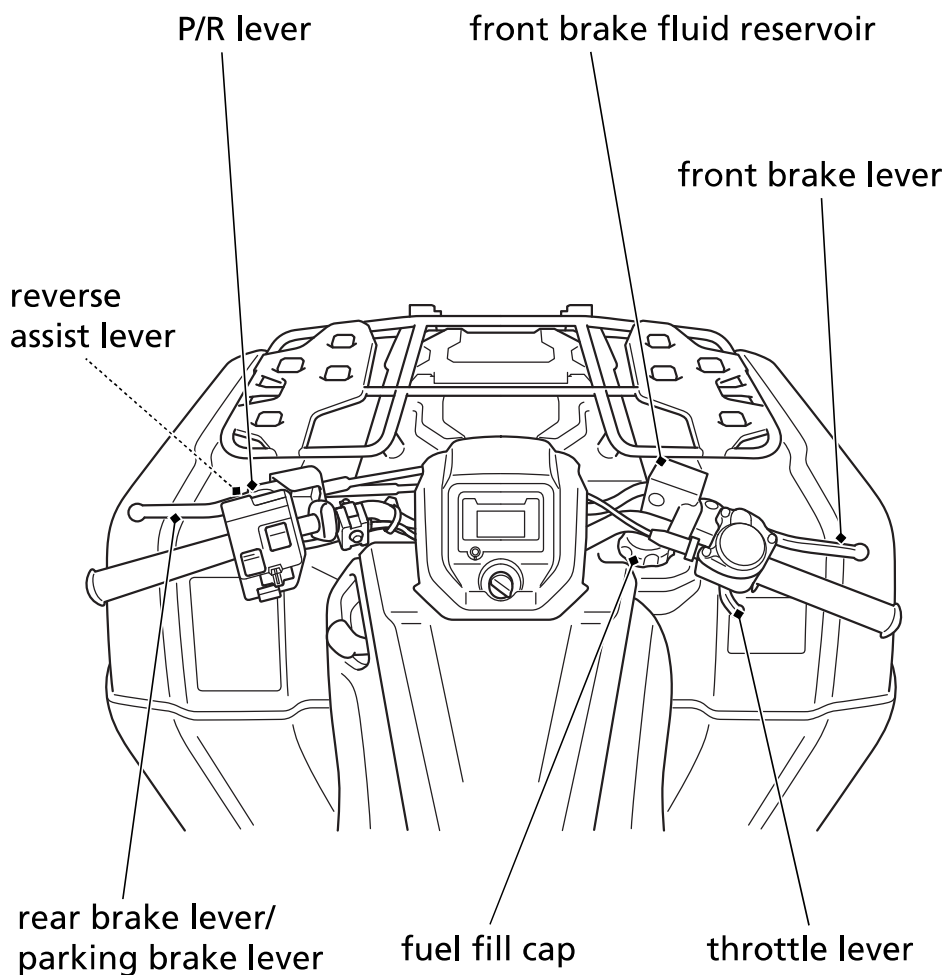
Maintenance Record

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 150 km (100 mile) or 1 month 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.

km (Miles) or months or hours	ODO or HOUR	Date	Performed By:	Notes
150 (100) or 1 or 20				
1,000 (600) or 6 or 100				
2,000 (1,200) or 12 or 200				
3,000 (1,800) or 18 or 300				
4,000 (2,400) or 24 or 400				
5,000 (3,000) or 30 or 500				
6,000 (3,600) or 36 or 600				
7,000 (4,200) or 42 or 700				
8,000 (4,800) or 48 or 800				

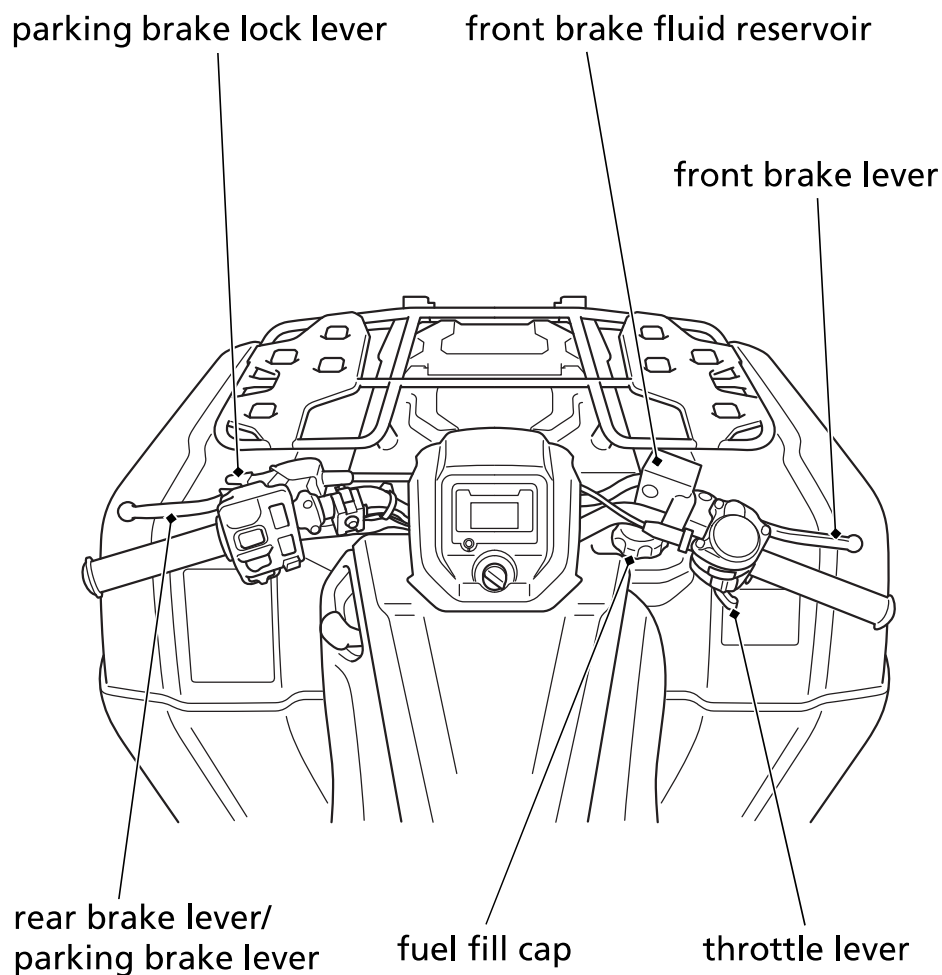
Maintenance Component Locations

TRX420FM1/FM2

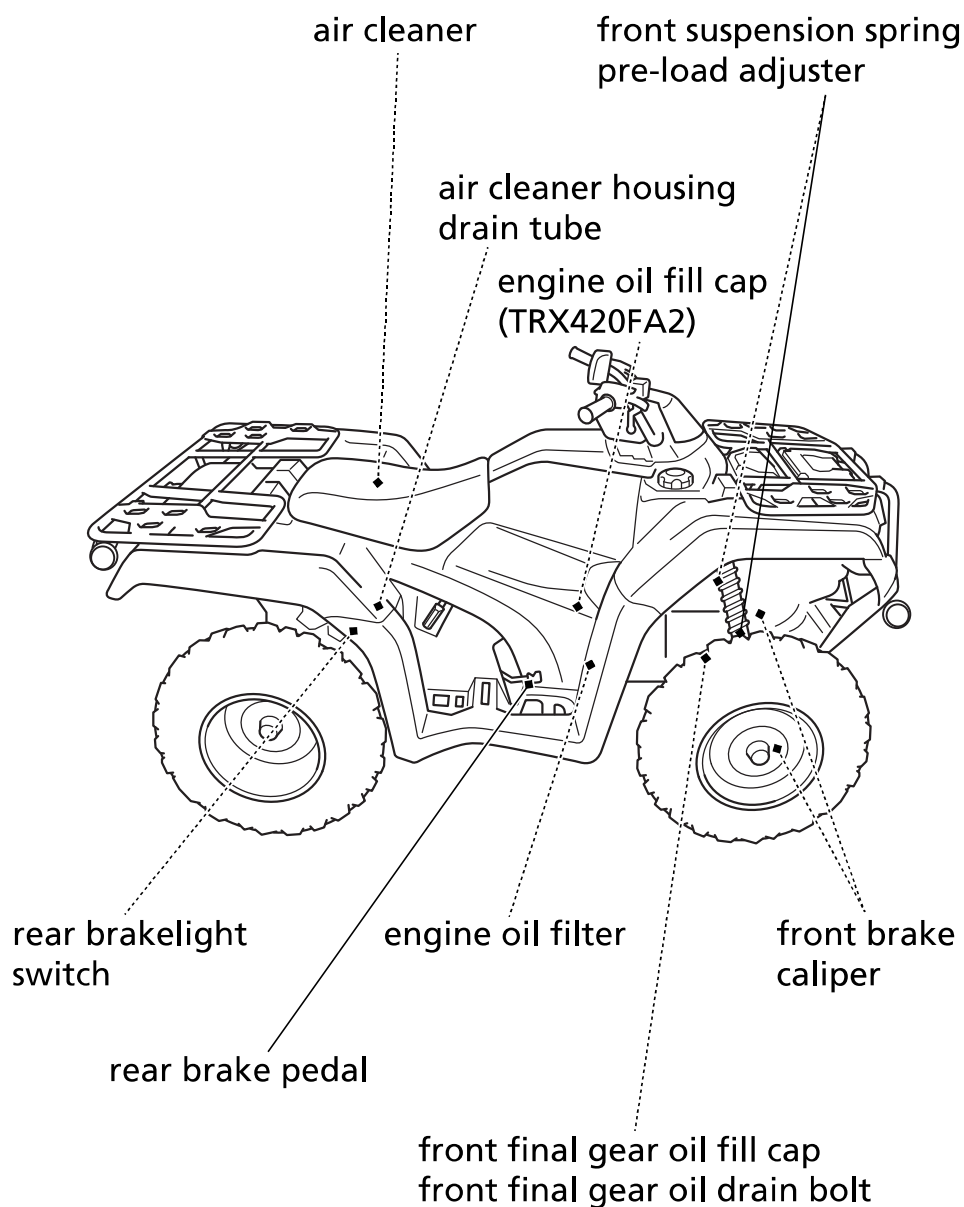


Maintenance Component Locations

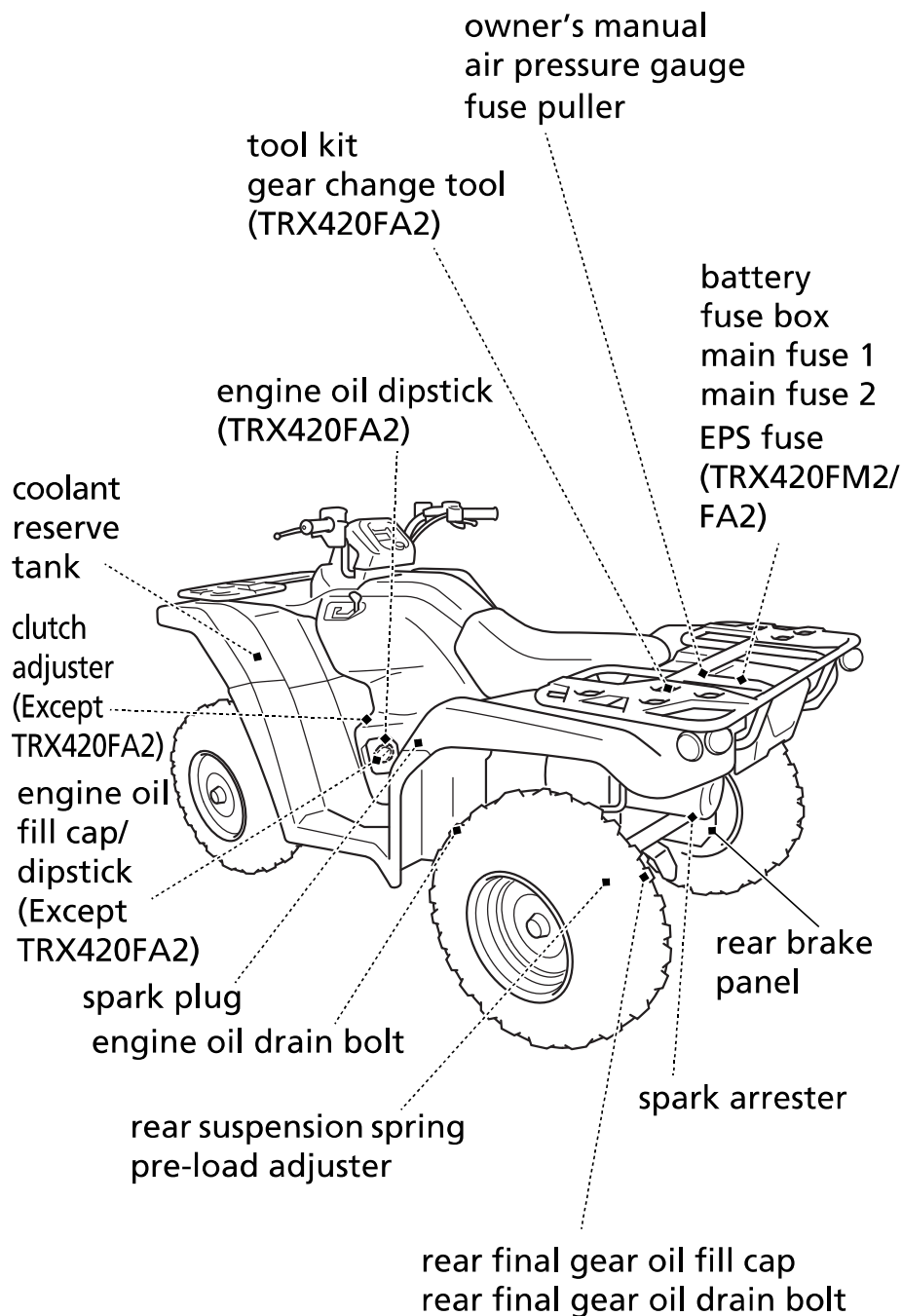
TRX420FA2



Maintenance Component Locations



Maintenance Component Locations



Tool Kit

The tool kit (1) and the gear change tool (TRX420FA2)(2) are stored under the rear fender cover (page 138).

After using the tool kit or the gear change tool (TRX420FA2), be sure to use the rubber band (3) to fasten the tool kit and the gear change tool (TRX420FA2) securely.

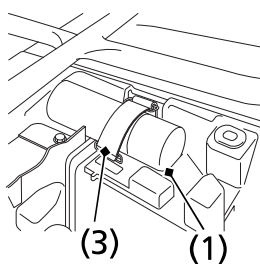
The tools in the kit are sufficient to perform routine maintenance and simple repairs. Any extensive work requiring additional tools should be performed by your dealer.

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
- * 5 mm Hex wrench
- * tool box

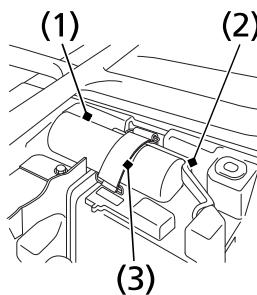
UNDER REAR FENDER COVER

TRX420FM1/FM2



(1) tool kit
(3) rubber band

TRX420FA2



(2) gear change tool

Owner's Manual Storage

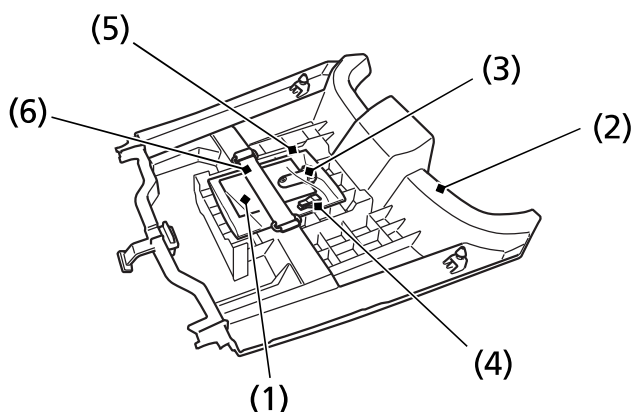
Your ATV provides storage for the owner's manual so you'll have it with you for easy reference. Store your owner's manual (1) in the plastic document bag underside of the rear fender cover (2).

The owner's manual, air pressure gauge (3), and fuse puller (4) should be stored in the plastic document bag (5) and fastened with the rubber band (6).

To remove the rear fender cover, see page 138.

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

REAR FENDER COVER UNDERSIDE

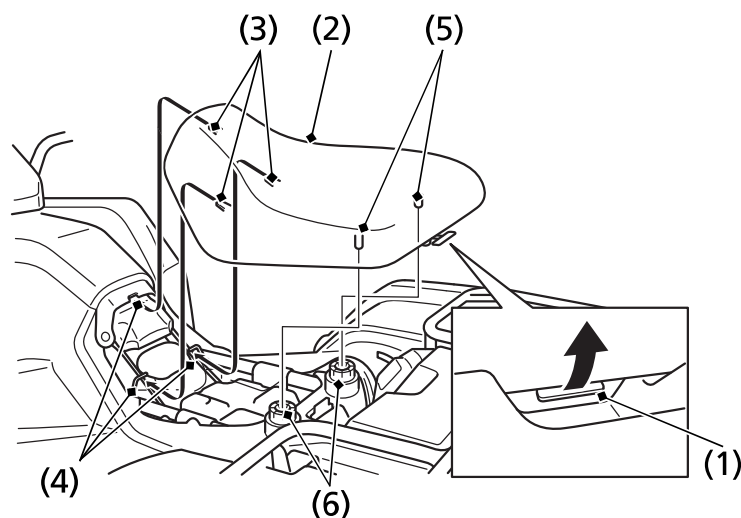


- | | |
|------------------------|--------------------------|
| (1) owner's manual | (4) fuse puller |
| (2) rear fender cover | (5) plastic document bag |
| (3) air pressure gauge | (6) rubber band |

Seat Removal

Refer to *Safety Precautions* on page 123.

The seat must be removed for the air cleaner, engine oil (TRX420FA2), engine oil filter, clutch (except TRX420FA2), spark plug, battery, and fuse maintenance, and to remove the rear fender cover and tank cover assembly, to access the owner's manual, air pressure gauge, gear change tool (TRX420FA2), tool kit, and fuse puller.



- | | |
|------------------|--------------|
| (1) seat latch | (4) hooks |
| (2) seat | (5) studs |
| (3) front prongs | (6) grommets |

Removal

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

Installation

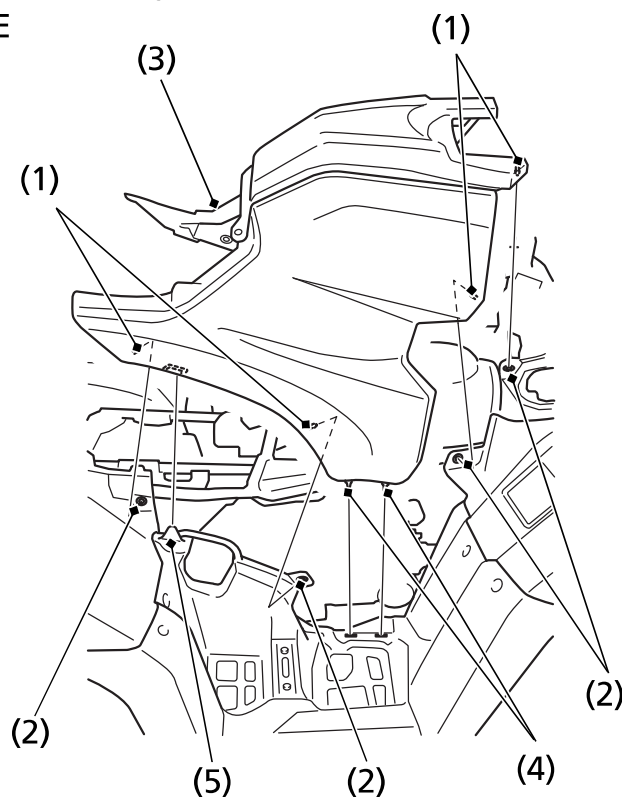
1. Insert the front prongs (3) into the hooks (4) on the frame and press the studs (5) into the grommets (6).
2. Press down on the seat until locks.

Tank Cover Assembly Removal

Refer to Safety Precautions on page 123.

The tank cover assembly must be removed for the engine oil (TRX420FA2), engine oil filter, spark plug, and clutch maintenance (except TRX420FA2).

RIGHT SIDE



(1) prongs

(2) grommets

(3) tank cover assembly

(4) tabs A

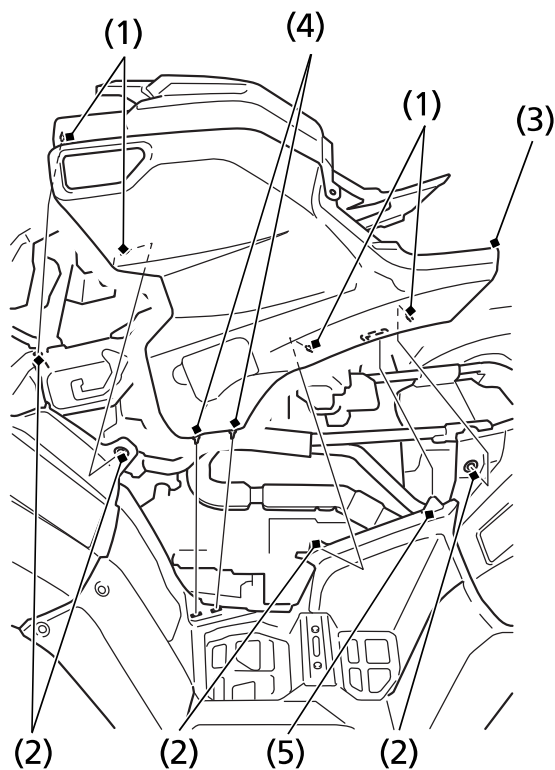
(5) tabs B

Removal

1. Remove the seat (page 135).
2. Remove the prongs (1) from the grommets (2).
3. Remove the tank cover assembly (3) by releasing the tabs A (4) and tabs B (5).

Tank Cover Assembly Removal

LEFT SIDE



- (1) prongs
- (2) grommets
- (3) tank cover assembly
- (4) tabs A
- (5) tabs B

Installation

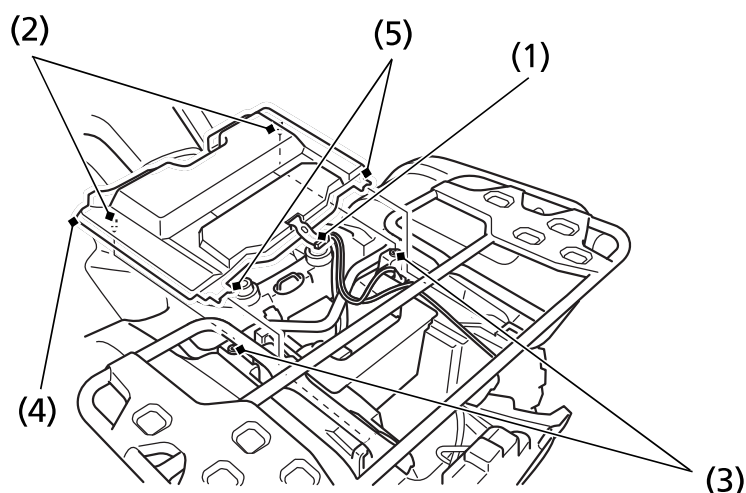
Install the parts in the reverse order of removal.

Make sure that all prongs and tabs are installed securely in position.

Rear Fender Cover Removal

Refer to Safety Precautions on page 123.

The rear fender cover must be removed for battery, fuse maintenance and to access the owner's manual, air pressure gauge, gear change tool (TRX420FA2), tool kit and fuse puller.



(1) rubber strap

(4) rear fender cover

(2) prongs

(5) tabs

(3) grommets

Removal

1. Remove the seat (page 135).
2. Unhook the rubber strap (1) with opening the storage compartment (page 56).
3. Firmly pull the prongs (2) from their grommets (3).
4. Slide the rear fender cover (4) forward to disengage the tabs (5).
5. Remove the rear fender cover.

Installation

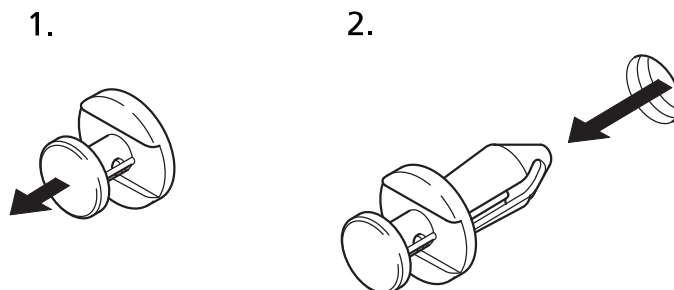
Install the parts in the reverse order of removal.

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Clip Removal

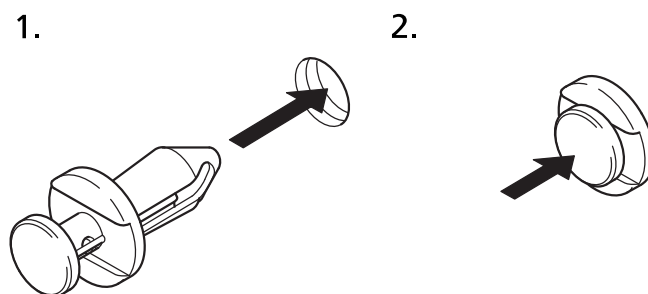
Removal

1. Pull up the centre pin to release the lock.
2. Pull out the clip of the hole.



Installation

1. Insert the clip into the hole.
2. Press down the centre pin securely to lock the clip.



Fuel

Refer to *Safety Precautions* on page 123.

Fuel Recommendation

type	unleaded
research octane number	91 (or higher)

Use only unleaded fuel in your Honda. The use of leaded fuel will damage the catalytic converter(s). If you ride your Honda in a country where leaded fuel might be available, take precautions to use only unleaded fuel.

Your engine is designed to use any unleaded petrol that has a pump octane number $(R + M)/2$ of 86 or higher, or a research octane number of 91 or higher. Petrol pumps at service stations normally display the pump octane number. For information on the use of *Petrol Containing Alcohol*, see page 265.

Use of lower octane petrol 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 petrol. If pinging or spark knock persists, consult your dealer.

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

140 Servicing Your Honda

Fuel

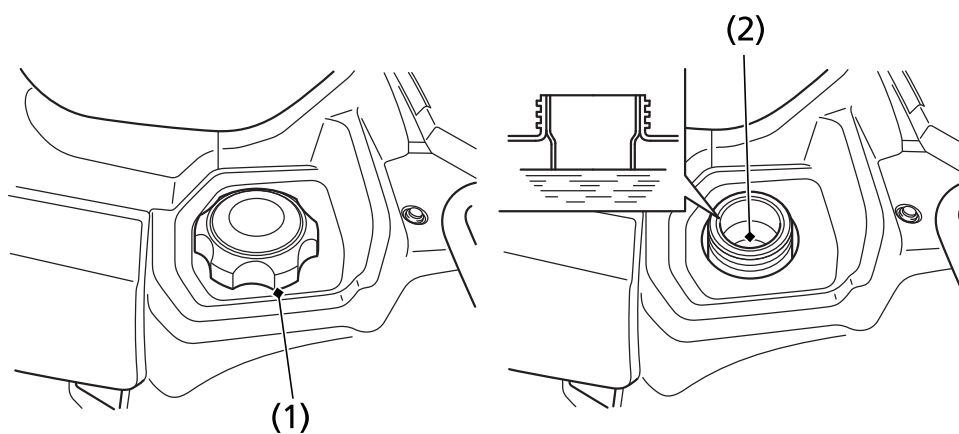
Fuel Capacity

Fuel tank capacity, including reserve:
14.7 ℓ (3.88 US gal, 3.23 Imp gal)
Reserve capacity:
4.9 ℓ (1.29 US gal, 1.08 Imp gal)

When there is only one segment left in the fuel gauge (page 30), fuel will be low and you should refuel as soon as possible.

Refuelling Procedure

Refer to *Safety Precautions* on page 123.



- (1) fuel fill cap
(2) lower edge of filler neck

Fuel

1. To open the fuel fill cap (1), turn it counterclockwise.
2. Add fuel until the level reaches the lower edge of the filler neck (2).
Avoid over filling the tank. There should be no fuel in the filler neck.

WARNING

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

- Stop the engine and keep heat, sparks and flames away.
- Only handle fuel outdoors.
- Wipe up spills immediately.

3. After refuelling, turn the fuel fill cap clockwise securely.

If you replace the fuel fill cap, use only a Honda Genuine 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 144) 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 126. When running in very dusty conditions, oil changes should be performed more frequently than specified in the maintenance schedule.

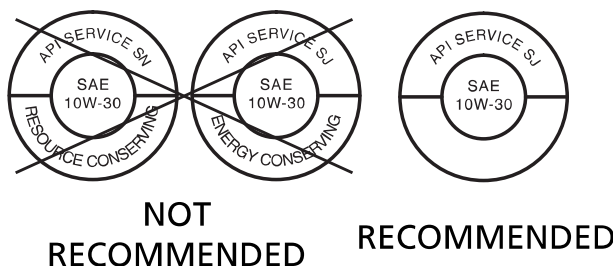
Engine Oil & Filter

Oil Recommendation

API classification*	SJ or higher except oils labelled as energy conserving or resource conserving on the circular API service label
viscosity (weight)	SAE 10W-30
JASO T 903 standard	MA

* Suggested oils are equal in performance to SJ oils that are not labelled as energy conserving or resource 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 SJ or higher oils displaying a circular API “energy conserving” or “resource conserving” service label on the container. They may affect lubrication and clutch performance.

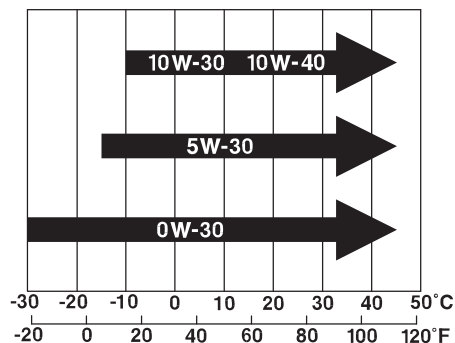


- Do not use non-detergent, vegetable, or castor based racing oils.

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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.

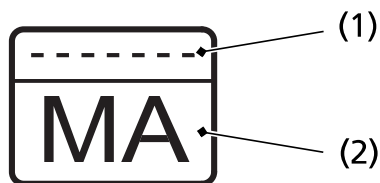


JASO T 903 standard

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

There are two classes: MA and MB.

Oil conforming to the standard is labelled on the oil container. For example, the following label shows the MA classification.



(1) oil code

(2) oil classification

Engine Oil & Filter

Checking & Adding Oil (TRX420FM1/FM2)

Refer to *Safety Precautions* on page 123.

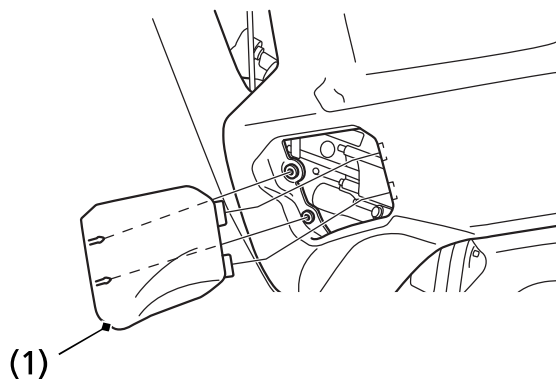
Check the engine oil level each day before operating your ATV and add if needed.

The oil fill cap/dipstick is located at the front left crankcase.

Before riding your ATV, check the engine oil level.

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. If the air temperature is below 10°C (50°F), let the engine idle for an additional 5 minutes (a total of 10 minutes).
3. Stop the engine and wait 2 – 3 minutes.
4. Remove the oil check lid (1).

LEFT SIDE



(1) oil check lid

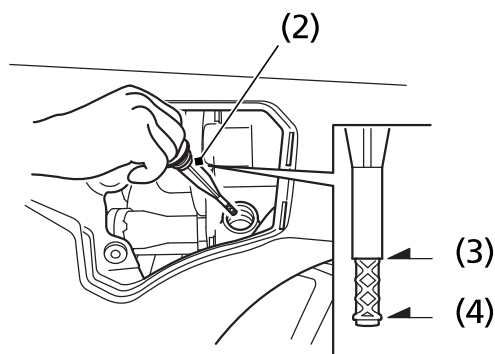
Engine Oil & Filter

5. Remove the oil fill cap/dipstick (2) from the front crankcase and wipe it clean.
6. Insert the oil fill cap/dipstick without screwing it in, then remove the oil fill cap/dipstick and check the oil level. The oil level should be between the upper level mark (3) and the lower level mark (4) on the oil fill cap/dipstick.
7. If the oil level is near or below the lower level mark, then add the specified oil into the fill cap hole, up to the upper level mark on the oil fill cap/dipstick. Do not overfill.
8. Reinstall the oil fill cap/dipstick.
9. Install the oil check lid.

NOTICE

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

LEFT SIDE



(2) oil fill cap/dipstick

(3) upper level mark

(4) lower level mark

Engine Oil & Filter

Checking & Adding Oil (TRX420FA2)

Refer to *Safety Precautions* on page 123.

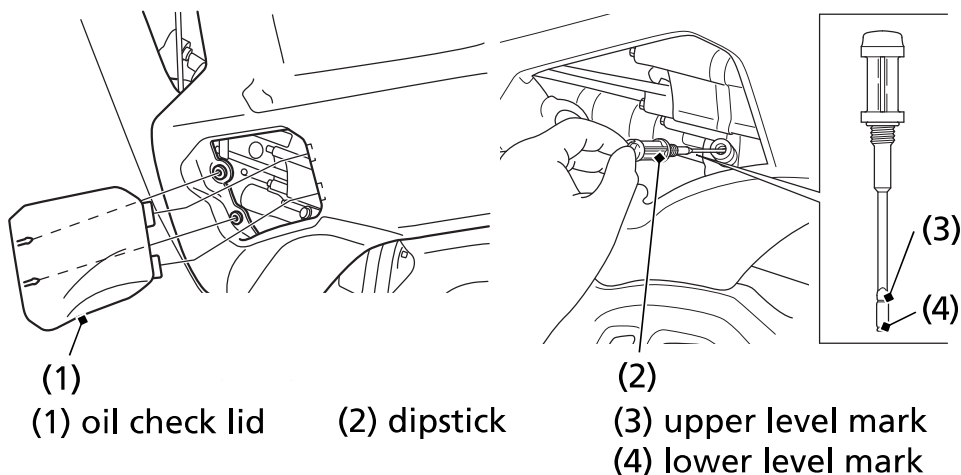
Check the engine oil level each day before operating your ATV and add if needed.

Before riding your ATV, check the engine oil level.

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. If the air temperature is below 10°C (50°F), let the engine idle for an additional 5 minutes (a total of 10 minutes).
3. Stop the engine and wait 2 – 3 minutes.
4. Remove the oil check lid (1).
5. Remove the dipstick (2) from the front left crankcase cover and wipe it clean.
6. 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 (3) and the lower level mark (4) on the dipstick.

LEFT SIDE

LEFT SIDE



Engine Oil & Filter

7. If the oil level is near or below the lower level mark, remove the seat (page 135) and the tank cover assembly (page 136). Remove the oil fill cap (5) from the front right crankcase cover and add the specified oil into the fill cap hole, up to the upper level mark on the dipstick.

Do not over fill.

8. Reinstall the oil fill cap and dipstick.

9. Install the tank cover assembly.

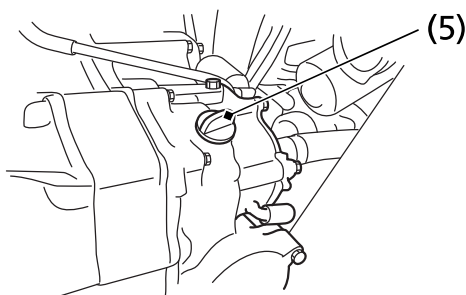
10. Install the seat.

11. Install the oil check lid.

NOTICE

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

RIGHT SIDE



(5) oil fill cap

Engine Oil & Filter

Changing Engine Oil & Filter (TRX420FM1/FM2)

Refer to *Safety Precautions* on page 123.

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

NOTICE

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

This procedure requires mechanical skill and professional tools such as a torque wrench as well as a means for disposing of the drained fluid (page 228). If you do not have the skills or the tools, see your dealer.

Change the oil with the engine warm to assure complete and rapid draining.

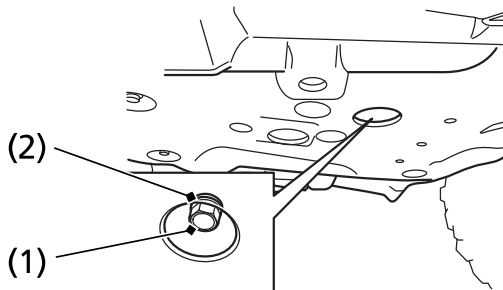
Drain the Engine Oil:

1. With the ATV on level ground, remove the oil check lid (page 146) and the oil fill cap/dipstick from the front crankcase.

Engine Oil & Filter

2. Place an oil drain pan under the crankcase and remove the engine oil drain bolt (1) and sealing washer (2).

UNDER ENGINE



(1) engine oil drain bolt

(2) sealing washer

Install a New Engine Oil Filter:

Place shop towels under the oil filter cover because oil will flow out.

1. Remove the seat (page 135).
2. Remove the tank cover assembly (page 136).

(cont'd)

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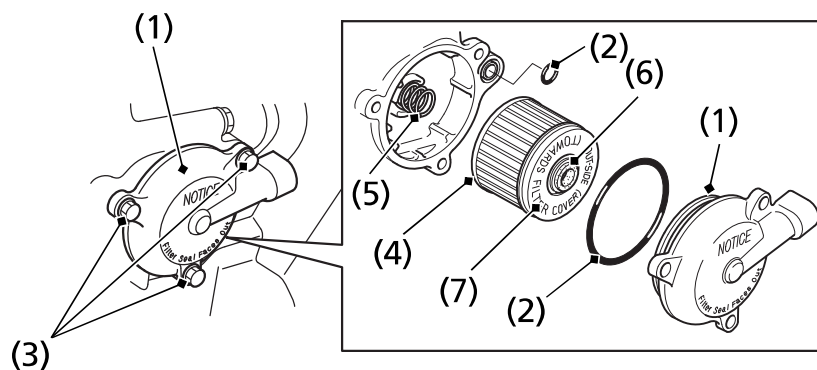
Engine Oil & Filter

3. Remove the oil filter cover (1) and O-rings (2) by removing the bolts (3). Let the remaining oil drain out. Discard the oil filter (4) in an approved manner (page 228).
4. Apply engine oil to new O-rings and install them to the oil filter cover and crankcase cover. Then install a new oil filter. Use only the Honda Genuine oil filter or a filter of equivalent quality specified for your model. Using the wrong Honda filter or a non-Honda filter which is not of equivalent quality may cause engine damage.
5. Reposition the spring (5) to the engine crankcase and install a new oil filter with the rubber seal (6) facing out, away from the engine. You will see the "OUT-SIDE (TOWARDS FILTER COVER)" mark (7) on the filter body, near the seal.

NOTICE

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

RIGHT SIDE



(1) oil filter cover

(2) O-rings

(3) bolts

(4) oil filter

(5) spring

(6) rubber seal

(7) "OUT-SIDE (TOWARDS
FILTER COVER)" mark

Engine Oil & Filter

6. Reinstall the oil filter cover, making sure the bolts are tightened to the specified torque:
10 N·m (1.0 kgf·m, 7 lbf·ft)
7. Pour the drained oil into a suitable container and dispose of it in an approved manner (page 228).

NOTICE

Improper disposal of drained fluids is harmful to the environment.

Add Engine Oil:

1. Reinstall the oil drain bolt with the new sealing washer and tighten it to the specified torque:
25 N·m (2.5 kgf·m, 18 lbf·ft)
2. Fill the crankcase with the recommended grade oil approximately:
2.7 ℓ (2.9 US qt, 2.4 Imp qt)
3. Reinstall the oil fill cap/dipstick.
4. Start the engine and let it idle for 3 – 5 minutes.
5. Stop the engine, wait 2 – 3 minutes and check the oil level. Make sure the oil is between the upper and lower level marks on the oil fill cap/dipstick. If necessary, add more oil but do not overfill.
6. Check that there are no oil leaks.
7. Install the tank cover assembly.
8. Install the seat.
9. Install the oil check lid.

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

Engine Oil & Filter

Changing Engine Oil & Filter (TRX420FA2)

Refer to *Safety Precautions* on page 123.

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

NOTICE

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

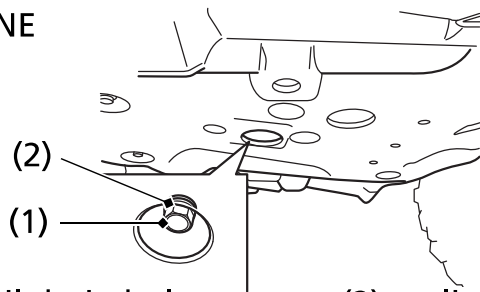
This procedure requires mechanical skill and professional tools such as a torque wrench as well as a means for disposing of the drained fluid (page 228). If you do not have the skills or the tools, see your dealer.

Change the oil with the engine warm to assure complete and rapid draining.

Drain the Engine Oil:

1. With the ATV on the level ground, remove the seat (page 135) and the tank cover assembly (page 136), and then remove the oil fill cap from the front right crankcase cover.
2. Place an oil drain pan under the crankcase and remove the engine oil drain bolt (1) and sealing washer (2).

UNDER ENGINE



(1) engine oil drain bolt

(2) sealing washer

Engine Oil & Filter

Install a New Engine Oil Filter:

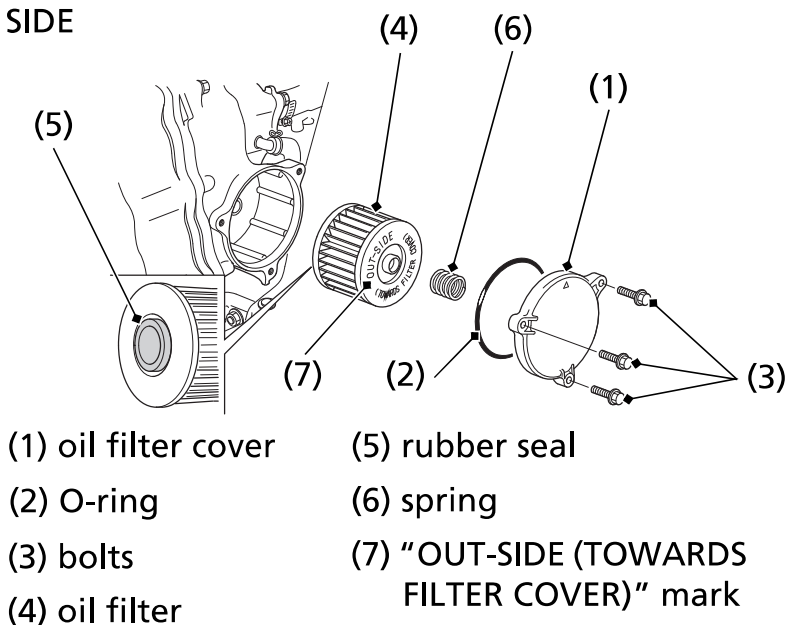
Place shop towels under the oil filter cover because oil will flow out.

1. Remove the oil filter cover (1) and O-ring (2) by removing the bolts (3). Let the remaining oil drain out. Discard the oil filter (4) in an approved manner (page 228).
2. Apply engine oil to new O-ring and install it to the oil filter cover. Then install a new oil filter. Use only the Honda Genuine oil filter or a filter of equivalent quality specified for your model. Using the wrong Honda filter or a non-Honda filter which is not of equivalent quality may cause engine damage.
3. Install a new oil filter with the rubber seal (5) facing inward, toward the engine. Make sure the spring (6) and the "OUT-SIDE (TOWARDS FILTER COVER)" mark (7) faces away from the engine, toward the oil filter cover.

NOTICE

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

RIGHT SIDE



Engine Oil & Filter

4. Reinstall the oil filter cover, making sure the bolts are tightened to the specified torque:
12 N·m (1.2 kgf·m, 9 lbf·ft)
5. Pour the drained oil into a suitable container and dispose of it in an approved manner (page 228).

NOTICE

Improper disposal of drained fluids is harmful to the environment.

Add Engine Oil:

1. Reinstall the oil drain bolt with the new sealing washer and tighten it to the specified torque:
25 N·m (2.5 kgf·m, 18 lbf·ft)
2. Fill the crankcase with the recommended grade oil approximately:
3.6 ℓ (3.8 US qt, 3.2 Imp qt)
3. Reinstall the oil fill cap and dipstick.
4. Start the engine and let it idle for 3 – 5 minutes.
5. Stop the engine, wait 2 – 3 minutes and check the oil level. Make sure the oil is between the upper and lower level marks on the dipstick. If necessary, add more oil but do not overfill.
6. Check that there are no oil leaks.
7. Install the tank cover assembly (page 136).
8. Install the seat.

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

Rear Final Gear Oil

Oil Recommendation

type	hypoid gear oil
viscosity (weight)	SAE 80W-90

Changing Oil

Refer to *Safety Precautions* on page 123.

Change the oil with the rear final gear at normal operating temperature to assure complete and rapid draining.

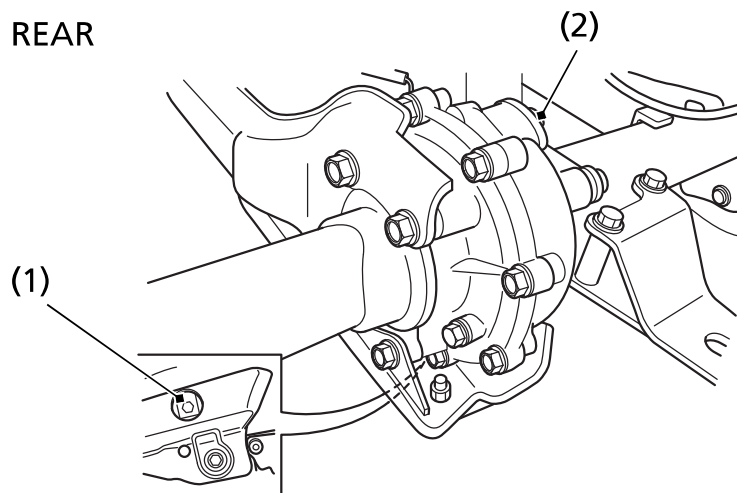
(cont'd)

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Rear Final Gear Oil

1. Park your ATV on a firm, level surface.

REAR



(1) oil drain bolt

(2) oil fill cap

2. Place an oil drain pan under the oil drain bolt (1).
3. Remove the oil fill cap (2), O-ring, drain bolt and sealing washer.
4. After the oil has completely drained, reinstall the drain bolt with a new sealing washer and tighten it to the specified torque:
12 N·m (1.2 kgf·m, 9 lbf·ft)

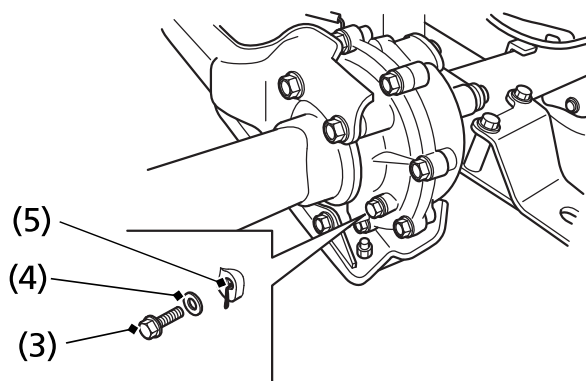
Rear Final Gear Oil

5. Remove the oil level check bolt (3) and sealing washer (4).
6. Slowly fill the rear final gear with the recommended oil until oil start to flow out of the oil level check hole (5). Allow oil to settle for 2 – 3 minutes before moving to next step to prevent overfilling.
85 cm³ (2.9 US oz, 3.0 Imp oz)
7. Coat a new O-ring with grease and install it into the fill cap groove and tighten it to the specified torque:
12 N·m (1.2 kgf·m, 9 lbf·ft)
8. Install the oil level check bolt with a new sealing washer and tighten it to the specified torque:
12 N·m (1.2 kgf·m, 9 lbf·ft)
9. Pour the drained oil into a suitable container and dispose of it in an approved manner (page 228).

NOTICE

Improper disposal of drained fluids is harmful to the environment.

REAR



(3) oil level check bolt

(4) sealing washer

(5) oil level check hole

Front Final Gear Oil

Oil Recommendation

type	hypoid gear oil
viscosity (weight)	SAE 80W-90

Changing Oil

Refer to *Safety Precautions* on page 123.

Change the oil with the front final gear at normal operating temperature to assure complete and rapid draining.

Front Final Gear Oil

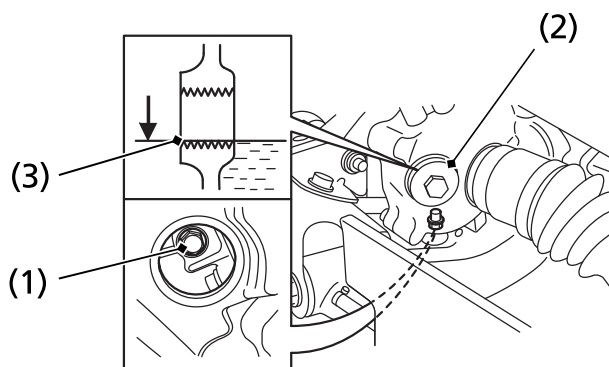
1. Park your ATV on a firm, level surface.
2. Place an oil drain pan under the oil drain bolt (1).
3. Remove the oil fill cap (2), O-ring, drain bolt and sealing washer.
4. After the oil has completely drained, reinstall the drain bolt with a new sealing washer and tighten it to the specified torque:
12 N·m (1.2 kgf·m, 9 lbf·ft)
5. Pour the drained oil into a suitable container and dispose of it in an approved manner (page 228).

NOTICE

Improper disposal of drained fluids is harmful to the environment.

6. Fill the front final gear with the recommended oil.
210 cm³ (7.1 US oz, 7.4 Imp oz)
Make sure the oil level is at the lower edge of the oil fill inspection hole (3).
7. Coat a new O-ring with grease and install it into the fill cap groove and tighten it to the specified torque:
12 N·m (1.2 kgf·m, 9 lbf·ft)

FRONT



(1) oil drain bolt
(2) oil fill cap

(3) oil fill 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 only high quality ethylene glycol antifreeze containing corrosion protection inhibitors specifically recommended for use in aluminium 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 aluminium 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.

Coolant

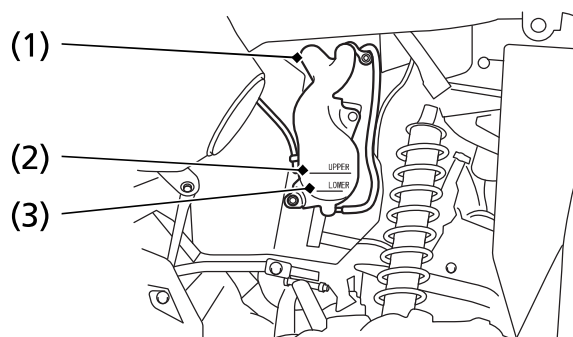
Increasing the concentration of antifreeze is not recommended because it decreases cooling system performance. Higher concentrations of antifreeze (up to 60 %) should only be used to provide additional protection against freezing. Check the cooling system frequently during freezing weather.

Checking & Adding Coolant

Refer to *Safety Precautions* on page 123.

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

LEFT FRONT



(1) reserve tank

(3) LOWER level mark

(2) UPPER level mark

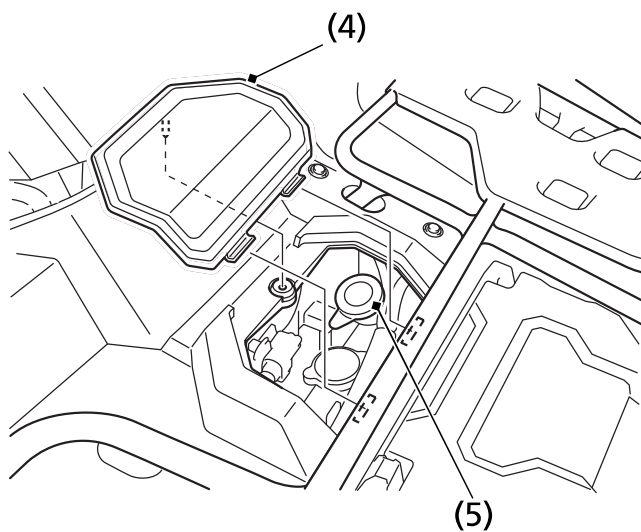
1. Make sure the vehicle is on level ground.
 2. With the engine at normal operating temperature, check the coolant level in the reserve tank (1). It should be between the UPPER (2) and LOWER (3) level marks.
- If the reserve tank is empty, or if coolant loss is excessive, check for leaks and see your dealer for repair.

(cont'd)

Coolant

3. Remove the radiator cap lid (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) radiator cap lid
(5) reserve tank cap

5. After adding coolant, install the parts in the reverse order of removal.

Coolant

Coolant Replacement

Refer to *Safety Precautions* on page 123.

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

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 228.

NOTICE

Improper disposal of drained fluids is harmful to the environment.

Coolant

Radiator Core

Refer to *Safety Precautions* on page 123.

Check the air passages for clogging or damage. Remove insects, mud, or any obstruction with low water pressure. Have the radiator checked by your 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 and radiator grill cover:

1. Unhook the reserve tank tube (1).
2. Remove the reserve tank (2) from the left radiator grill cover (3) by removing the bolt (4) and clip (5).
3. Remove the clips (6).
4. Unhook the tab A (7) and tab B (8) on both of the left and right side.
5. Unhook the left side of the centre radiator grill cover hook (9) and slide the left radiator grill cover.

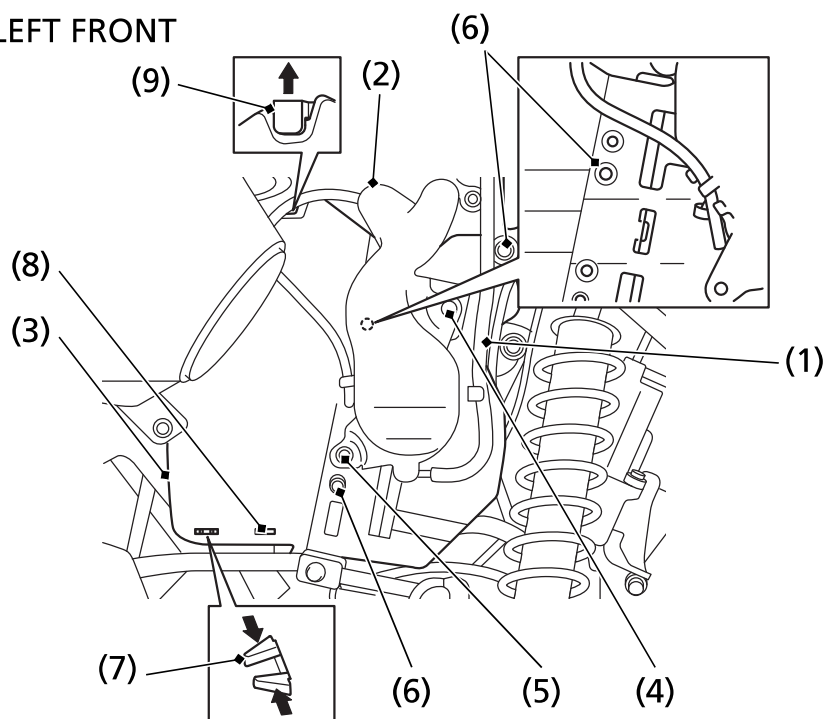
Coolant

6. Remove the left radiator grill cover.

NOTICE

*Do not apply pressured water directly to the radiator core.
The pressured water can damage the radiator core.*

LEFT FRONT



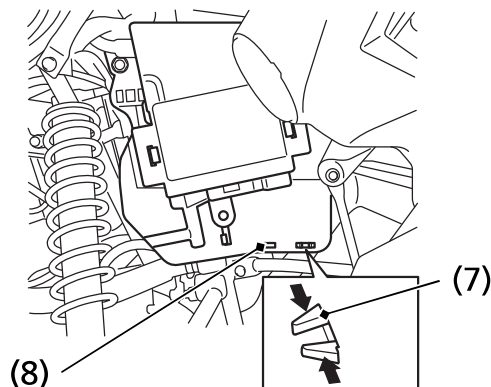
- (1) reserve tank tube
- (2) reserve tank
- (3) left radiator grill cover
- (4) bolt
- (5) clip

- (6) clips
- (7) tab A
- (8) tab B
- (9) centre radiator grill cover
hook

(cont'd)

Coolant

RIGHT FRONT

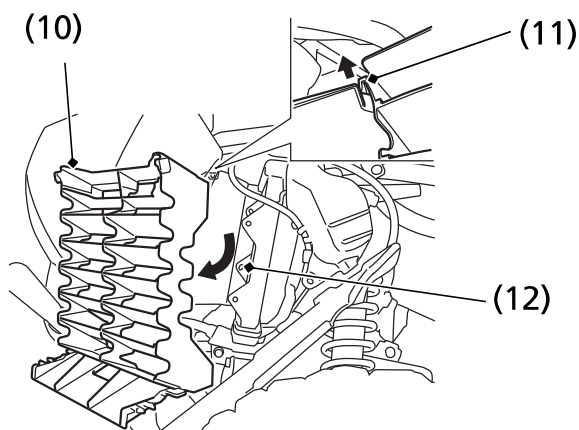


(7) tab A

(8) tab B

7. Remove the centre radiator grill cover (10) by unhooking the right side of the centre radiator grill cover hook (11).
8. Wash the radiator core (12) and centre radiator grill cover.
9. Install the removed parts in reverse order of removal.

LEFT FRONT



(10) centre radiator
grill cover

(11) centre radiator grill cover hook
(12) radiator core

Air Cleaner

Refer to *Safety Precautions* on page 123.

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 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 Honda Genuine air cleaner specified for your model or an air cleaner of equal quality.

NOTICE

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

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

NOTICE

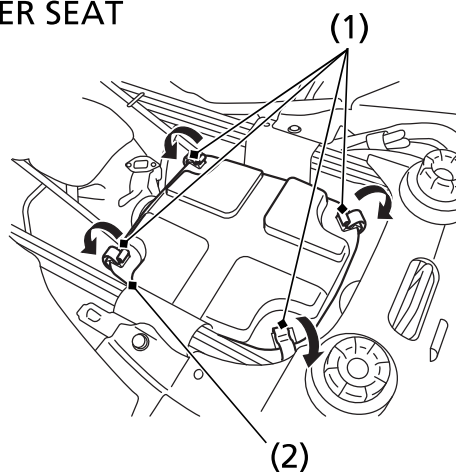
Improper or lack of proper air cleaner maintenance can cause poor performance and premature engine wear.

Air Cleaner

Cleaning

1. Remove the seat (page 135).

UNDER SEAT



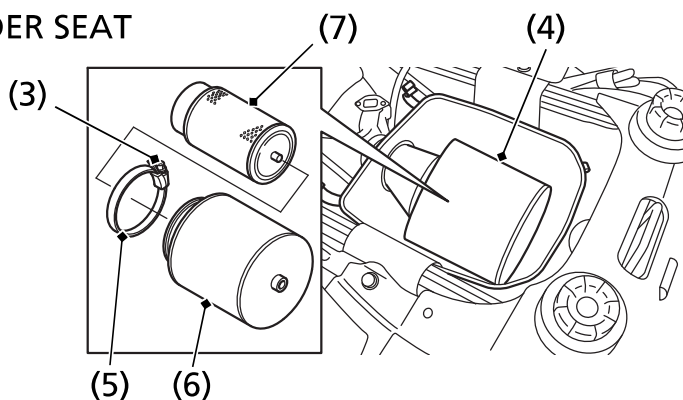
(1) retainer clips (2) air cleaner housing cover

2. Unlatch the retainer clips (1).
3. Remove the air cleaner housing cover (2).

Air Cleaner

4. Loosen the screw (3) and remove the air cleaner assembly (4) from the air cleaner housing.
5. Remove the clamp (5).
6. Remove the air cleaner (6) from the air cleaner body (7).
7. Gently wash the air cleaner in clean, non-flammable (high flash point) solvent such as kerosene — not petrol. After cleaning, gently squeeze out the remaining solvent. Avoid twisting or wringing the air cleaner. This can tear the foam.
8. Inspect for tears or cracks in the foam or seams of the air cleaner. Replace the air cleaner if it is damaged.
9. Allow the air cleaner to dry thoroughly before applying oil. A wet air cleaner will not fully absorb the oil.
10. Pour clean air filter oil 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.)

UNDER SEAT



(3) screw

(4) air cleaner assembly

(5) clamp

(6) air cleaner

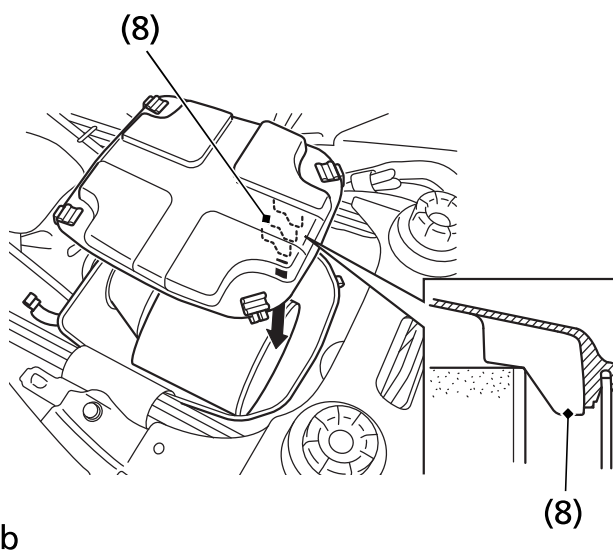
(7) air cleaner body

(cont'd)

Air Cleaner

11. Install the air cleaner on the air cleaner body.
12. Apply a thin coat of grease to the sealing surface of the air cleaner assembly.
13. Install the clamp.
14. Insert the air cleaner assembly into the air cleaner housing.
15. Fasten the screw.
16. Reassemble by reversing the disassembly sequence.
 - Install the air cleaner housing cover and fit the cut out of the tab (8) at the end of the air cleaner.

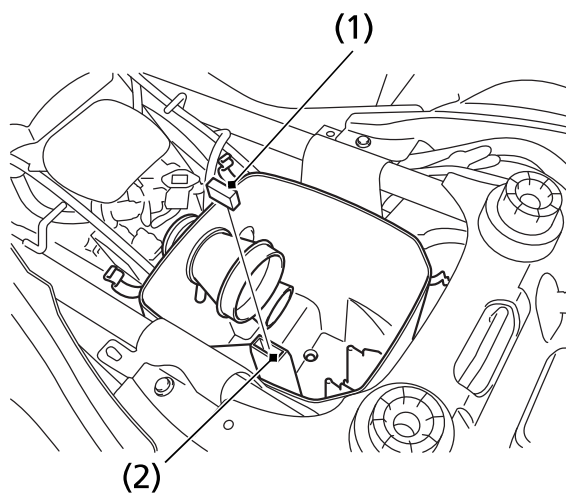
UNDER SEAT



Air Cleaner

Dust Cover

UNDER SEAT



(1) dust cover

(2) breather joint

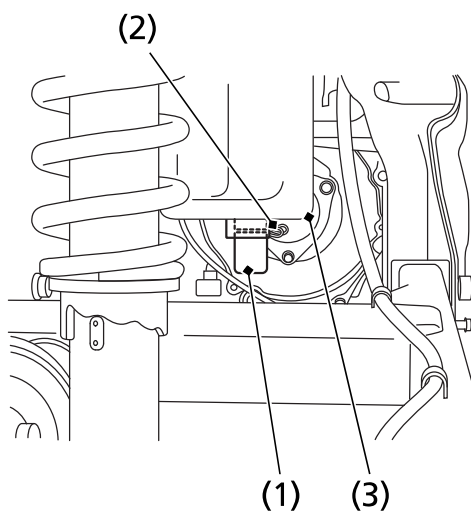
Do not push the dust cover (1) too far into the breather joint (2).
If the dust cover is dirty, clean it.

Air Cleaner

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

(3) air cleaner housing

(2) clip

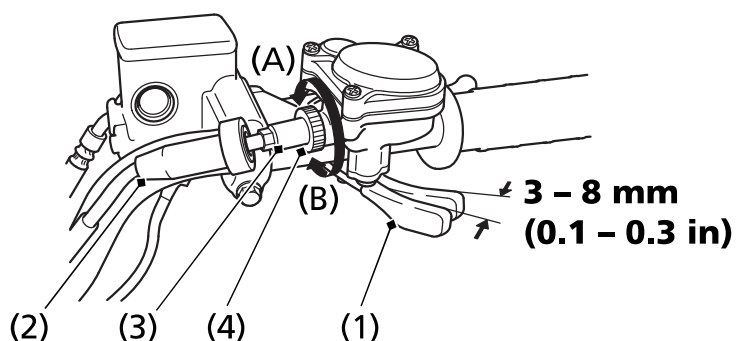
1. Remove the drain tube (1) by removing the clip (2) under the air cleaner housing (3).
2. Drain the deposits.
3. Reinstall the drain tube, securing it with the clip.

Throttle

Throttle Freeplay

Refer to *Safety Precautions* on page 123.

RIGHT HANDLEBAR



- | | |
|-----------------------------|-----------------------|
| (1) throttle lever | (4) lock nut |
| (2) rubber sleeve | (A) decrease freeplay |
| (3) throttle cable adjuster | (B) increase freeplay |

Inspection

Check freeplay at the throttle lever (1).

Freeplay:

3 – 8 mm (0.1 – 0.3 in)

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

Throttle Inspection

Refer to *Safety Precautions* on page 123.

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 dealer.
3. Inspect the condition of the throttle cables from the throttle lever down to the throttle body. If the cable is kinked or chafed, have it replaced.
4. Check the throttle cable for tension or stress in all steering positions.
5. Lubricate the throttle cable with a commercially available cable lubricant to prevent premature wear and corrosion.

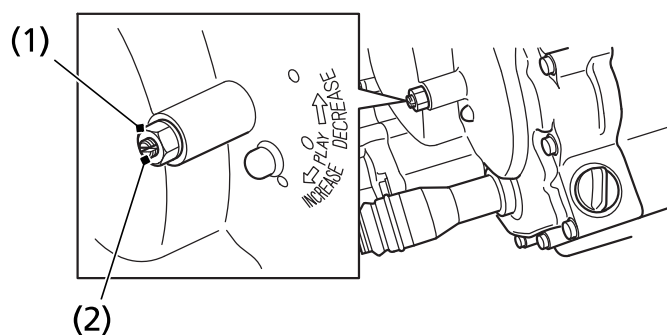
Clutch System (TRX420FM1/FM2)

Your ATV's shift-activated, wet, multiplate clutch is part of the primary drive system. Proper adjustment allows a smooth, gradual engagement when shifting gears.

Clutch Adjustment

Refer to *Safety Precautions* on page 123.

LEFT FRONT



(1) lock nut

(2) clutch adjuster

1. Make sure the engine is cool.
2. Make sure the ignition switch is OFF (O).
3. Remove the seat (page 135) and tank cover assembly (page 136).
4. Loosen the lock nut (1).
5. Turn the clutch adjuster (2) counterclockwise until you feel slight resistance.
6. Turn the adjuster 1/4 turn clockwise, then tighten the lock nut to hold the adjuster in this position.
7. After adjustment, start the engine and test ride your ATV to be sure the clutch is operating properly.
8. Install the removed parts in reverse order of removal.

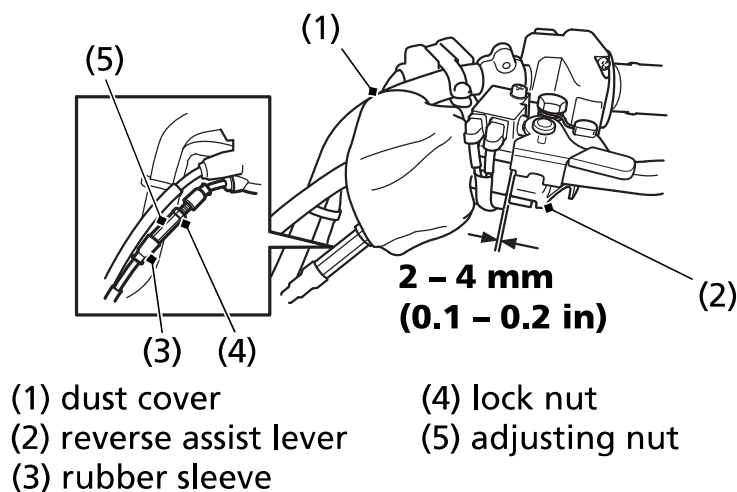
If you cannot get proper adjustment, or the clutch does not work properly, the clutch friction discs may be worn. See your dealer or refer to official Honda Shop Manual.

Reverse Inhibitor System (TRX420FM1/FM2)

Reverse Inhibitor System Adjustment

Refer to *Safety Precautions* on page 123.

LEFT HANDLEBAR



1. Turn over the dust cover (1).
2. Check the reverse assist lever (2) freeplay, measured at the reverse assist lever end near the cable:
2 - 4 mm (0.1 - 0.2 in)
3. To adjust, slide the rubber sleeve (3), loosen the lock nut (4) and turn the adjusting nut (5) to obtain the correct freeplay.
After adjustment, tighten the lock nut securely.
4. Return the dust cover and rubber sleeve.

Other Checks

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

Spark Plug

Spark Plug Recommendation

standard spark plug	BKR5E-11 (NGK) or K16PR-U11 (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.

Spark Plug Inspection & Replacement

Refer to *Safety Precautions* on page 123.

1. Remove the seat (page 135) and tank cover assembly (page 136).
2. Clean any dirt from around the spark plug base.
3. Disconnect the spark plug cap (1). Take care to avoid damaging the spark plug wire when disconnecting the cap.
4. Using a spark plug wrench provided in the tool kit, remove the spark plug.
5. Inspect the electrodes and centre porcelain for deposits, corrosion, or carbon fouling. If the corrosion or deposits are heavy, replace the plug. Clean a carbon or wet-fouled plug with a plug cleaner, if available, or a wire brush. Inspect the spark plug electrodes for wear. The centre electrode (2) should have a flat tip and sharp edges, and the side electrode (3) should not be eroded. If the electrodes and insulator tip appear unusually fouled or burned, we suggest that you contact your dealer.

(cont'd)

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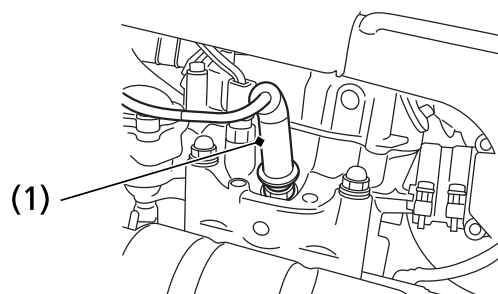
Spark Plug

6. Discard the spark plug if there is apparent wear or if the insulator is cracked or chipped.
7. Using a wire-type feeler gauge, check the spark plug gap (4). If adjustment is necessary, bend the side electrode carefully.

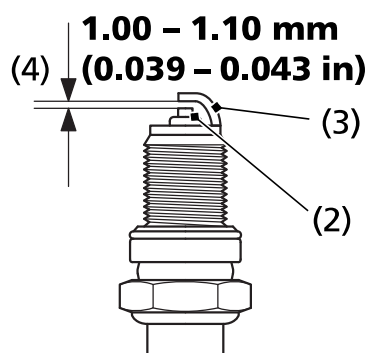
The gap should be:

1.00 – 1.10 mm (0.039 – 0.043 in)

LEFT SIDE



- (1) spark plug cap
(2) centre electrode



- (3) side electrode
(4) spark plug gap

8. With the plug washer attached, thread the spark plug in by hand to prevent cross-threading.
9. Tighten the spark plug:
 - If the old plug is good:
 - 1/8 turn after it seats.
 - If installing a new plug, tighten it twice to prevent loosening:
 - a) First, tighten the plug:
 - NGK: 3/4 turn after it seats.
 - DENSO: 1/2 turn after it seats.
 - b) Then loosen the plug.
 - c) Next, tighten the plug again:
 - 1/8 turn after it seats.

Spark Plug

NOTICE

An 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. Connect the spark plug cap. Take care to avoid pinching any cables or wires.
11. Install the remaining parts in the reverse order of removal.

Valves

Valve Inspection

Refer to *Safety Precautions* on page 123.

Valve clearance should be:

intake: 0.15 ± 0.02 mm (0.006 ± 0.001 in)

exhaust: 0.23 ± 0.02 mm (0.009 ± 0.001 in)

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

For those who are mechanically proficient and have the proper tools, instructions on adjusting valve clearances are given in the official Honda Shop Manual. Otherwise, the valves should be adjusted by your dealer.

Spark Arrester

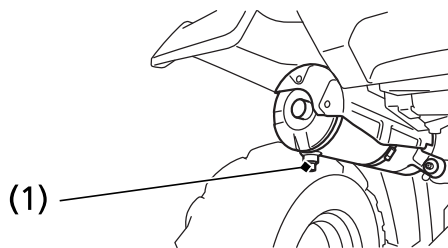
Refer to *Safety Precautions* on page 123.

The exhaust system must be periodically purged of accumulated carbon.

To purge the system:

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

REAR



(1) bolt

Suspension

Your front and rear suspension systems use springs and hydraulic damping devices that suspend your weight and most of the weight of your ATV.

The spring pre-loads for your front and rear suspension systems adjust the amount of force required to begin compression of the spring.

The oil damper systems hydraulically control the natural compression and rebound of the suspension springs so that traction and comfort are maintained as the wheels ride over rough terrain.

Consider adjusting your suspensions pre-load whenever you change your normal load, by adding or subtracting cargo, accessories, or when riding conditions change.

The way you ride your ATV and the type of ride you want to experience can also influence your suspension needs.

Lower spring pre-load provides a softer ride and is usually preferred for light loads and smooth terrain. Higher spring pre-load provides a firmer ride and is recommended for heavy loads and rough terrain.

Suspension Adjustment

Using a pin spanner, which is available from your dealer, the suspensions can be adjusted for rider weight and riding conditions by changing the spring pre-load.

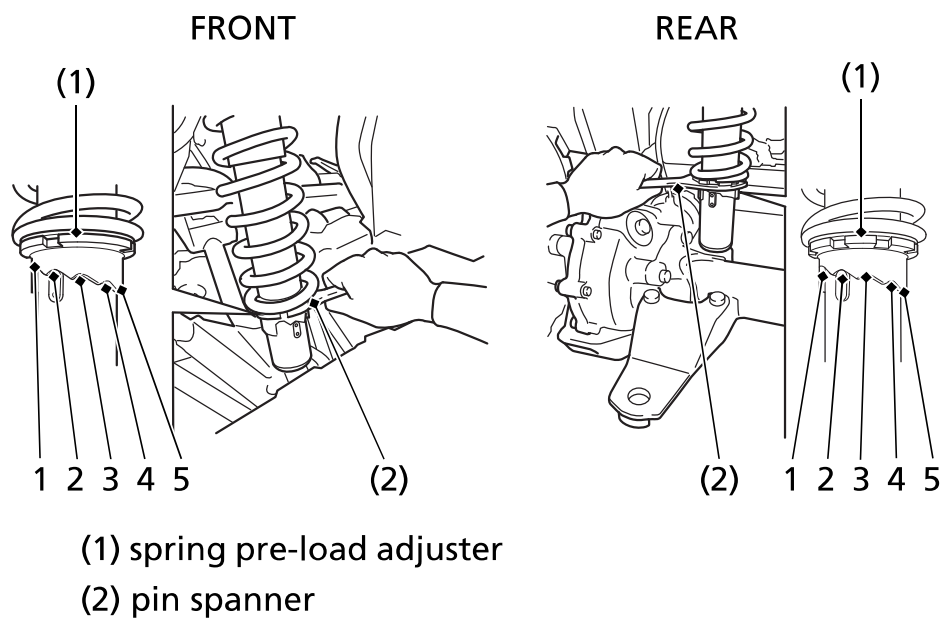
Do not attempt to disassemble, service, or dispose of the damper; see your dealer. The instructions found in this owner's manual are limited to adjustments of the shock assembly only.

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Suspension

Suspension Spring Pre-Load

Refer to *Safety Precautions* on page 123.



The spring pre-load adjuster (1) has 5 positions for different load or riding conditions.

Use the pin spanner (2) to adjust the shock spring pre-load.

(cont'd)

Suspension

Position 1: for a light load and smooth terrain.

Position 2: standard position.

Positions 3 to 5: for when the ATV is more heavily loaded. (Also increase spring pre-load for stiffer suspension.)

Make sure that both front shock absorbers are adjusted to the same position.

Always adjust the shock absorber position in sequence (1-2-3-4-5 or 5-4-3-2-1). Attempting to adjust directly from 1 to 5 or 5 to 1 may damage the shock absorber.

Brakes

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

Hydraulic Disc Front Brake

As the front brake pads wear, brake fluid level will drop. A leak in the system will also cause the level to drop.

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

If the right brake lever freeplay does not feel within the normal range while riding, check the brake pads for wear (page 190).

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 dealer to have the air bled from the system.

Mechanical Drum Rear Brake

If the rear brake lever/parking brake lever or brake pedal freeplay does not feel within the normal range while riding, check the brake shoes for wear (page 196).

Brake Fluid Recommendation

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

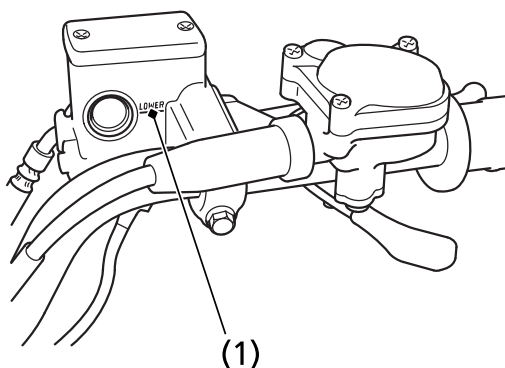
The recommended brake fluid is DOT 4 Brake Fluid, or any brake fluid of equal quality and performance. Use fresh brake fluid from a sealed container. Be sure to read the label before opening the sealed container. An opened container may be contaminated or may have absorbed moisture from the air.

Brakes

Fluid Level Inspection

Refer to *Safety Precautions* on page 123.

RIGHT HANDLEBAR



(1) LOWER level mark

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

Do not add or replace brake fluid, except in an emergency. If you do add fluid, have your 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 brake fluid contact with skin or eyes. If it comes in contact with your eyes, wash them out with clean water and immediately call a doctor. If it comes in contact with your skin, wash with clean water and, if necessary, call a doctor.

Brakes

With the ATV on a level surface, check the fluid level. It should be above the LOWER level mark (1). If the level is at or below the LOWER level mark, check the brake pads for wear (page 190).

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 dealer.

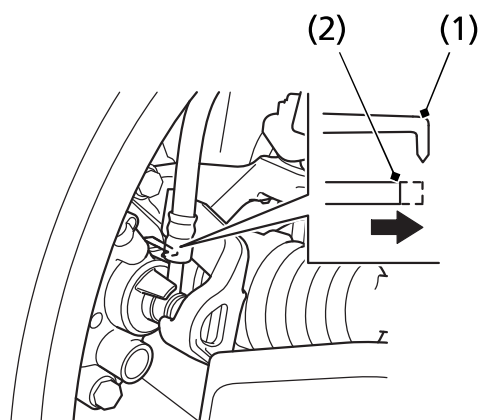
Brakes

Brake Pad Wear

Refer to *Safety Precautions* on page 123.

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.

RIGHT FRONT (Left side similar)



(1) wear indicator

(2) edge of reference mark

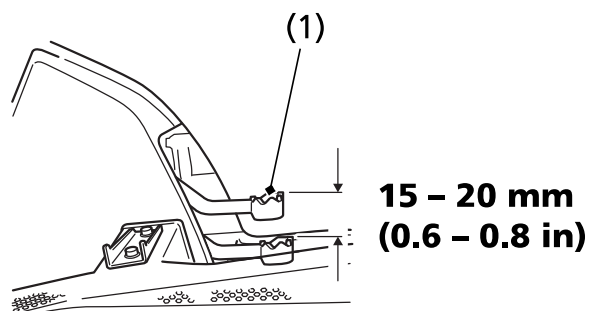
Check the wear indicator (1). If the wear indicator aligns with the edge of the reference mark (2), both pads must be replaced, see your dealer for this replacement.

Always inspect both pads in both the right and left front brake calipers.

Brakes

Rear Brake Pedal Freeplay

RIGHT SIDE



(1) rear brake pedal

Inspection

Measure the distance the rear brake pedal (1) moves before the brake starts to take hold. Freeplay, measurement at the tip of the end of the pedal, should be:

15 - 20 mm (0.6 - 0.8 in)

If necessary, adjust to the specified range.

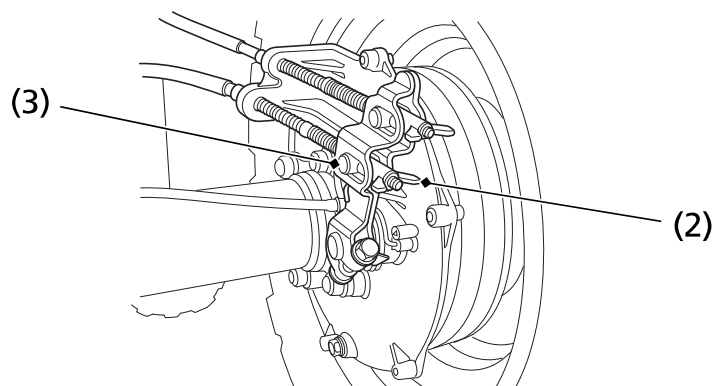
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Brakes

Adjustment

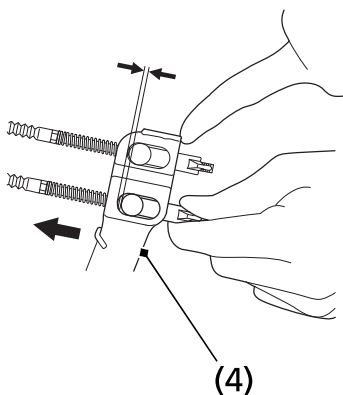
RIGHT REAR



(2) brake pedal adjusting nut

(3) brake arm pin

1. Turn the brake pedal adjusting nut (2), located on the brake operating rod at the rear of the frame. Make sure the cutout on the adjusting nut is properly seated on the brake arm pin (3).
2. Adjust the freeplay of the rear brake pedal. Push the brake arm (4), then check the clearance between the brake arm and the brake arm pin.



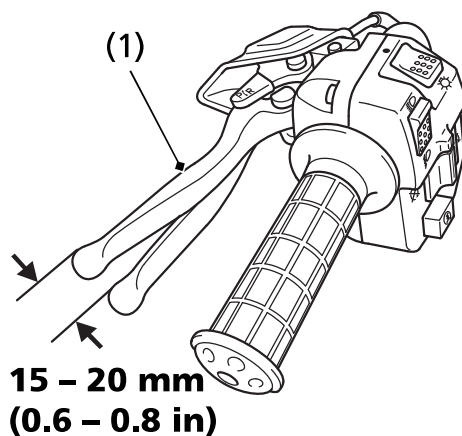
(4) brake arm

Brakes

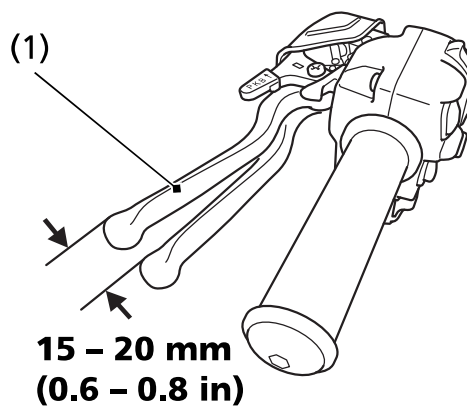
Rear Brake Lever Freeplay

LEFT HANDLEBAR

TRX420FM1/FM2



TRX420FA2



(1) rear brake lever/parking brake lever

Inspection

Measure the distance the rear brake lever/parking 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:

15 – 20 mm (0.6 – 0.8 in)

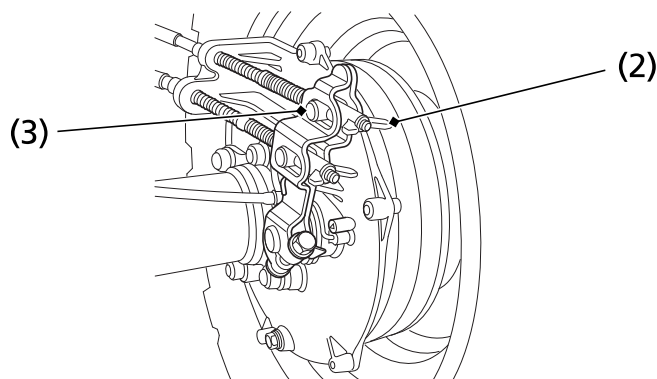
If necessary, adjust to the specified range.

(cont'd)

Brakes

Adjustment

RIGHT REAR

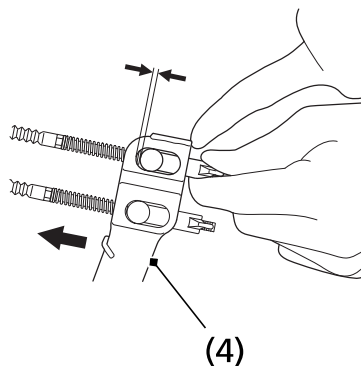


(2) brake lever adjusting nut

(3) brake arm pin

Adjust the freeplay of the rear brake lever/parking brake lever with the front wheels pointed straight ahead.

1. Turn the brake lever adjusting nut (2), located on the brake operating rod at the rear of the frame. Make sure the cutout on the adjusting nut is properly seated on the brake arm pin (3).
2. Adjust the freeplay of the rear brake lever/parking brake lever. Push the brake arm (4) then check the clearance between the brake arm and the brake arm pin.



(4) brake arm

Brakes

Other Inspections

- Check that the rear brake lever and brake pedal assemblies are positioned properly and the securing bolts are tight.

TRX420FM1/FM2:

- Make sure that the brake cables, brake arm, spring, P/R lever and fasteners are in good condition.

TRX420FA2:

- Make sure that the brake cables, brake arm, spring, parking brake lock lever, and fasteners are in good condition.

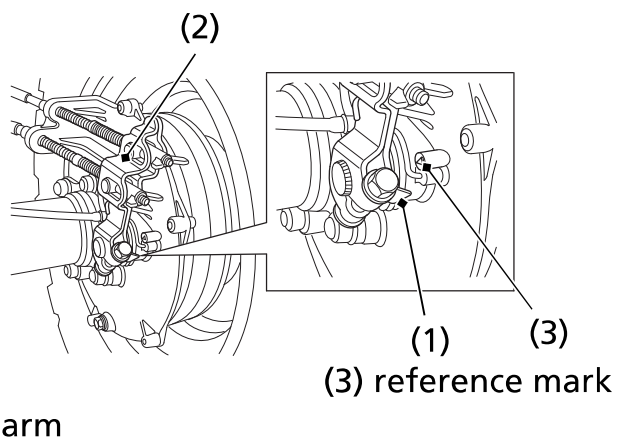
Brakes

Brake Shoe Wear

Refer to *Safety Precautions* on page 123.

The rear brake is equipped with an external brake wear indicator that lets you check brake wear without disassembly. Application of the brake control causes the arrow on the brake arm to move toward a reference mark on the brake panel.

RIGHT REAR



1. Apply the brake control and check the movement of the arrow (1) on the brake arm (2).
2. Replace the brake shoe if the arrow aligns with the reference mark (3) on the brake panel upon full application of the brake. If replacement is necessary, see your dealer.

Brakes

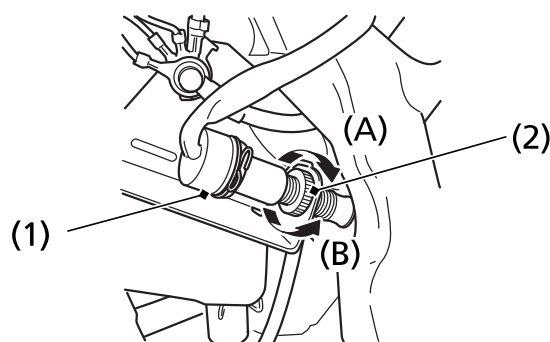
Brakelight Switch Adjustment

Refer to *Safety Precautions* on page 123.

Rear Brake Only:

Check the operation of the rear brakelight switch (1) at the right side behind the engine from time to time. Adjustment is done by turning the adjusting nut (2). Turn the nut in direction (A) if the switch operates too late and in direction (B) if the switch operates too soon.

RIGHT REAR



(1) rear brakelight switch

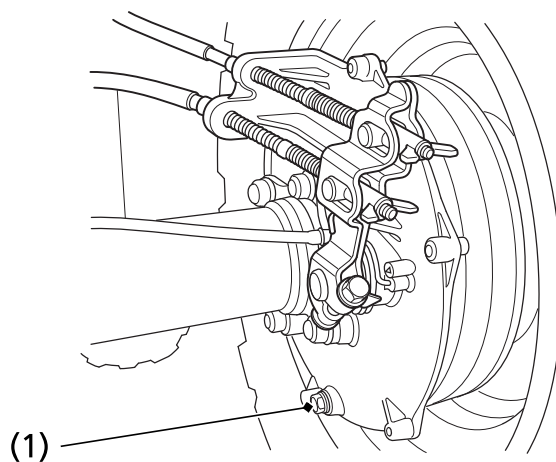
(2) adjusting nut

Brakes

Draining Water from Brakes

Refer to *Safety Precautions* on page 123.

RIGHT REAR



(1) rear brake drain bolt

1. Make sure the engine is OFF and the parking brake is set.
2. Remove the rear brake drain bolt (1) and sealing washer from the bottom of the rear brake panel.
If any water drains, the brake seals must be replaced by your dealer as soon as possible.
3. Install the rear brake drain bolt with a new sealing washer and tighten it to the specified torque:
12 N·m (1.2 kgf·m, 9 lbf·ft)

Wheels & Tyres

The tyres are the only point of contact between the ATV and the road. Safety under any riding conditions is dependant upon this small point of contact. Please understand that the tyres will have less grip, as the tread wear decreases.

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

It is important to properly replace parts according to the replacement schedule. We recommend that you leave this work to the experts with the proper equipment and experience.

Wheels that are deformed or damaged must be replaced. Please consult your dealer for replacement.

Tyres age, even if they have not been used or have only been used occasionally.

Cracking of the tread and sidewall rubber, sometimes accompanied by carcass deformation, is an evidence of ageing.

Old and aged tyres must be checked by experts to determine the suitability for further use.

WARNING

Using tyres 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 tyre inflation and maintenance.

Wheels & Tyres

This ATV is equipped with low pressure tubeless tyres. Although the tyres 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 tyres for wear and damage, and our recommendations for tyre repair and replacement.

Air Pressure

Refer to *Safety Precautions* on page 123.

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

Make sure the air valve caps are secure. If necessary, install new caps.

Wheels & Tyres

Always check air pressure when your tyres are “cold.” If you check air pressure when your tyres 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 tyres to match the recommended cold tyre pressures, the tyres will be underinflated. Be sure to check tyre pressure at the riding site, since changes in altitude can affect air pressure.

The recommended “cold” tyre pressures are:

	FRONT	REAR
RECOMMENDED PRESSURE	32.5 kPa (4.7 psi)	32.5 kPa (4.7 psi)

Wheels & Tyres

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

WARNING

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

- Always use the size and type tyres specified in this owner's manual for this vehicle.
- Always maintain proper tyre pressure as described in this owner's manual.

Inspection

Refer to *Safety Precautions* on page 123.

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

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

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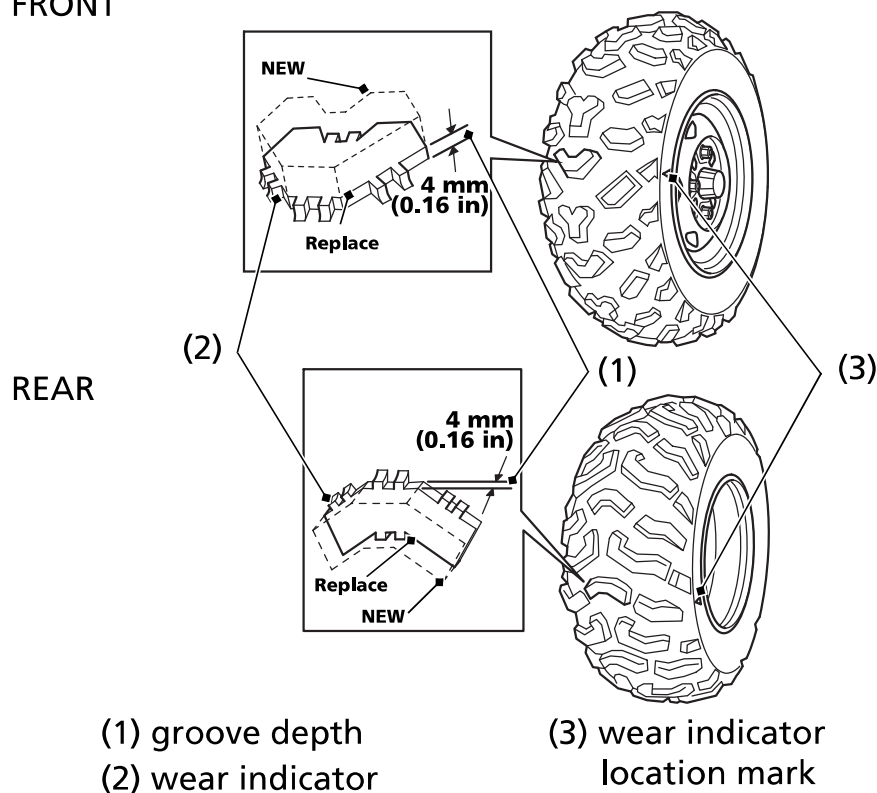
Wheels & Tyres

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

Tread Wear

You must periodically confirm the tread wear depth.

FRONT



(1) groove depth
(2) wear indicator

(3) wear indicator
location mark

To check the condition of a tyre tread, measure the groove depth (1) in the centre of the tyre, or check the wear indicator (2).

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

front	4 mm (0.16 in)
rear	4 mm (0.16 in)

Wheels & Tyres

Tyre Repair

Refer to *Safety Precautions* on page 123.

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

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 tyre replaced or permanently repaired as soon as possible. (For more information on temporary repairs, see *If You Have a Flat Tyre*, page 240.)

A permanent repair, such as an internal plug patch, can be made if a tyre 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 tyre repaired, be sure the repair work is performed by a professional.

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

Wheels & Tyres

Tyre Replacement

Refer to *Safety Precautions* on page 123.

The tyres 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 tyres, however if that is not possible, you must replace the tyres in pairs (front or rear) with tyres of the same size and type as the originals. Never replace just one tyre.

WARNING

Installing improper tyres 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 tyres recommended in this owner's manual.

Used tyres should not be installed if the previous usage record is unknown.

The recommended tyres for your ATV are:

front	AT24 × 8-12★★	MAXXIS M977
rear	AT24 × 10-11★★	MAXXIS M978

When you replace a tyre, remember:

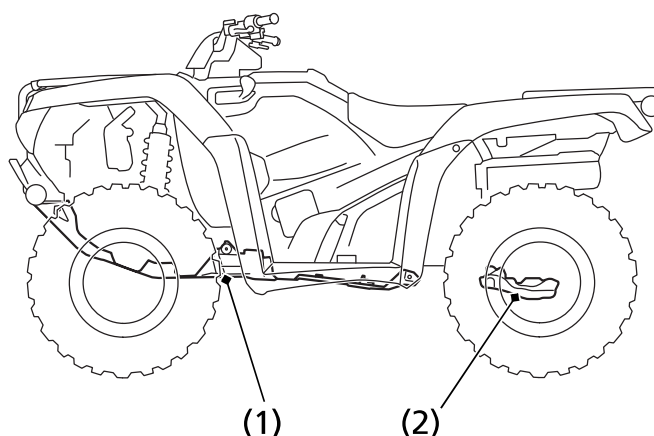
Have the tyre replaced by your dealer if possible.

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

Guards

Skid Plate & Engine Guard

Refer to *Safety Precautions* on page 123.



(1) engine guard

(2) skid plate

The engine guard (1) protects the frame and engine crankcase. The skid plate (2) protects the rear final gear case. Check the guard and plate for cracks, damage or looseness at intervals shown in the Maintenance Schedule.

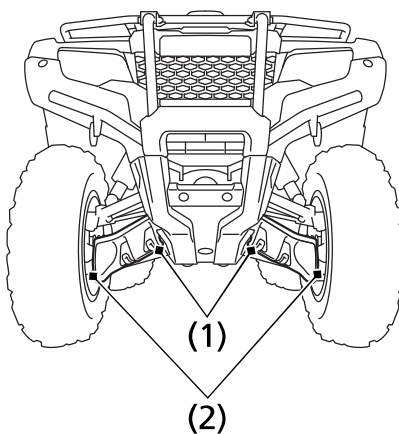
Have the engine guard and skid plates replaced if they are cracked or damaged. If the guard and plate bolts are loose, tighten them securely.

Guards

Front Boot Guards & Front Driveshaft Guards

Refer to *Safety Precautions* on page 123.

FRONT



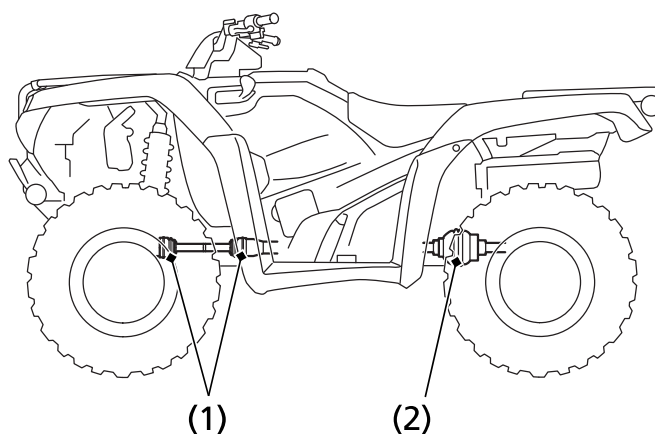
(1) front boot guards (2) front driveshaft guards

Check the front boot guards (1) and front driveshaft guards (2) for cracks, damage, or looseness. Tighten any loose fasteners. Replace the front boot guards and front driveshaft guards as required.

Drivetrain Boots

Propeller Shaft Boots & Yoke Joint Boot

Refer to *Safety Precautions* on page 123.



- (1) propeller shaft boots
- (2) yoke joint boot

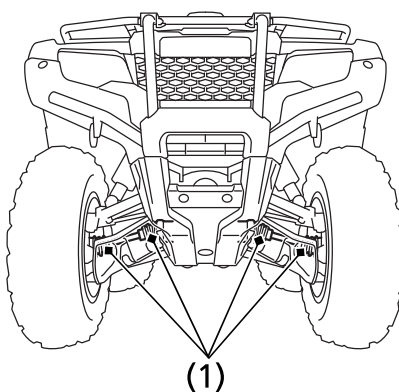
Check the propeller shaft boots (1) and yoke joint boot (2) for damage or leaking grease. If necessary, have your dealer replace them.

Drivetrain Boots

Front Driveshaft Boots

Refer to *Safety Precautions* on page 123.

FRONT



(1) driveshaft boots

Check the driveshaft boots (1) for cuts, damage, or leaking grease. If necessary, have your 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 (O). 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 214).

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 211.

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



This symbol on the battery means that this product must not be treated as household waste.

NOTICE

*An improperly disposed of battery can be harmful to the environment and human health.
Always confirm local regulations for battery disposal.*

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Battery

Battery Storage

Refer to *Safety Precautions* on page 123.

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 charging it every 30 days (see *Battery Charging*, page 214).

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.

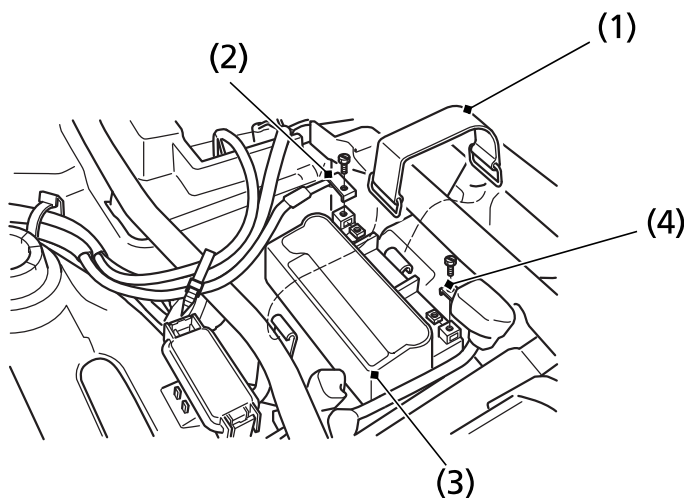
A spark or flame can cause the battery to explode with enough force to kill or seriously hurt you.

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

Battery

The battery is located in a compartment under the rear fender cover.

UNDER REAR FENDER COVER



- (1) rubber band (3) battery
(2) negative (-) terminal lead (4) positive (+) terminal lead

Removal

1. Make sure the ignition switch is OFF (O).
2. Remove the seat (page 135).
3. Remove the rear fender cover (page 138).
4. Release the rings and remove the rubber band (1).
5. Disconnect the negative (-) terminal lead (2) from the battery (3) first, then disconnect the positive (+) terminal lead (4).

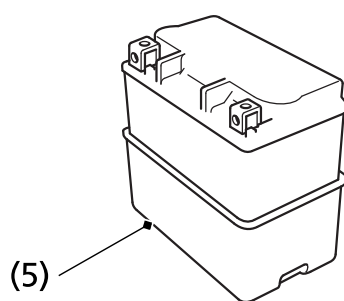
Battery

6. Remove the battery, taking care not to drop the terminal nuts.
7. Charge the battery (see following section).
8. Store your battery in an easy-to-reach location off the floor, in an area protected from freezing temperature and direct sunlight.
9. Clean the compartment after removing the battery for storage.
Dry the compartment.
10. Slow charge the battery (see following section) once every 30 days.

Installation

1. Check that the battery rubber (5) for damage. If necessary, replace the battery rubber.
2. Make sure the battery rubber is properly installed.
3. Reinstall in the reverse order of removal.
Be sure to connect the positive (+) terminal first, then the negative (–) terminal.
4. Make sure all bolts and other fasteners are secure.
5. Install the removed parts in reverse order of removal.

Make sure the clock is set to the proper time (page 32) after the battery is reconnected.



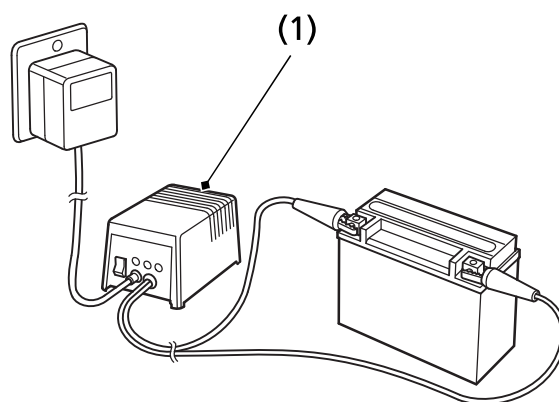
(5) battery rubber

(cont'd)

Battery

Battery Charging

Refer to *Safety Precautions* on page 123.



(1) 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 charger (1) designed specifically for your Honda, which can be purchased from your dealer. 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 their ATV. A clean ATV is also easier to inspect and service.

General Recommendations

Refer to *Safety Precautions* on page 123.

- 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 low pressure 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. Water entering the muffler may damage the oxygen sensor.

- 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 123.

1. Cover or plug the exhaust outlet prior to washing your ATV.
 2. Rinse your ATV thoroughly with cool water to remove loose dirt.
 3. 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.
 4. 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.
 5. After washing, rinse your ATV thoroughly with plenty of clean water to remove any residue. Detergent residue can corrode alloy parts.
 6. 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.
 7. Remove the cover or the plug from exhaust outlet. Then, start the engine and let it idle for several minutes. The engine heat will help dry moist areas.
 8. 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.
- The headlights' inside lens may fog temporarily after washing or while riding in the rain. This does not impact the headlight function.

Any condensation inside the headlight should dissipate after a few minutes of running the engine with the headlight(s) on. However, if you see a large amount of water or ice accumulated inside the lens(es), have your vehicle inspected by your dealer.

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Appearance Care

Spray Cleaning Your ATV

Refer to *Safety Precautions* on page 123.

Avoid using spray cleaner products on the tyres 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 aluminium.	Apply a high quality chrome/aluminium polish and wipe with a non-abrasive cloth.

Appearance Care

Exhaust Pipe and Muffler Maintenance

Refer to *Safety Precautions* on page 123.

The exhaust pipe and muffler are stainless steel but may become stained by mud or dust.

To remove mud or dust, use a wet sponge and a liquid kitchen abrasive, then rinse well with clean water. Dry with chamois or a soft towel.

If necessary, remove heat stains by using a commercially available fine texture compound. Then, rinse by the same manner as removing mud or dust.

Finishing Touches

Refer to *Safety Precautions* on page 123.

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.

Tips

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.....	220
What to Take to the Riding Area.....	220
What to Take on the Trail	221
Transporting Your Honda	222
Storing Your Honda.....	224
Preparation for Storage.....	225
Removal from Storage	227
You & the Environment	228

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.

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 229.

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
- tyre repair supplies and tools, and tyres
- extra parts, control levers, cables, and spark plugs
- wire, duct tape, and rope
- extra petrol

For safety, all refuelling 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 limits (page 70).

Transporting Your Honda

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

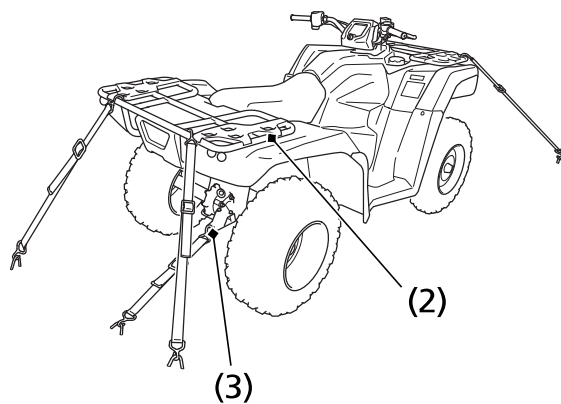
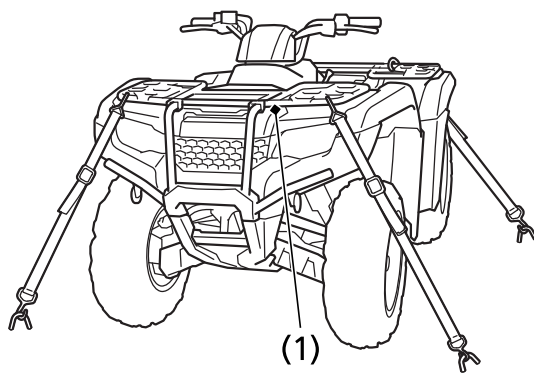
When you transport your ATV, we recommend that you carry the vehicle in its normal operating position (on all four wheels). Do not incline the vehicle upright on its rear end. This can damage the vehicle, and leaking petrol could be a hazard.

Follow these procedures:

1. TRX420FM1/FM2: Set the parking brake and place the transmission in gear.
TRX420FA2: Set the parking brake.

Transporting Your Honda

2. Secure the vehicle with tie-down straps in the areas shown.
 - Suitable tie-down straps are available from your dealer.
 - Ordinary rope is not recommended because it can stretch under load.
 - Using tie-down straps in any other areas can damage your ATV.
3. Rock the vehicle back and forth to make sure the tie-down straps are tight and the vehicle is secure.



(1) front cargo rack
(2) rear cargo rack

(3) trailer hitch

Tips 223

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.

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 123.

1. Change the engine oil and filter (pages 150, 154).
2. Make sure the cooling system is filled with a 50/50 % antifreeze solution (page 162).
3. Fill the fuel tank. Make sure the fuel fill cap is properly installed.

(cont'd)

Tips 225

Storing Your Honda

4. To prevent rusting in the cylinder, perform the following:
 - Remove the spark plug cap from the spark plug (page 179).
 - Remove the spark plug.
Do not connect the spark plug to the spark plug cap.
 - Pour a tablespoon (15 – 20 cm³) of clean engine oil into the cylinder and cover the spark plug hole with a piece of cloth.
 - With the engine stop switch in the RUN (○) position, press the start button several times to crank the engine and distribute the oil.
 - Reinstall the spark plug and spark plug cap.
5. Remove the battery and charge it fully. Store it in an area protected from freezing temperatures and direct sunlight. Slow charge the battery (page 214) 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.

6. Wash and dry your ATV. Wax all painted surfaces.
7. Inflate the tyres to their recommended pressures (page 201).
8. Store your ATV in an unheated area, free of dampness, away from sunlight, with a minimum of daily temperature variation.
9. Place your ATV on blocks to lift all tyres off the floor.
10. 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.

226 Tips

Storing Your Honda

Removal from Storage

Refer to *Safety Precautions* on page 123.

1. Uncover and clean your ATV.
2. If your ATV has been stored for more than four months – change the engine oil (pages 150, 154).
3. If your ATV has been stored for more than two months – ask your dealer to drain and replace the fuel.
4. Charge the battery (page 214) as required. Install the battery.
5. Perform a pre-ride inspection (page 65), 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, petrol, 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 centre. Call your local or state office of public works or environmental services to find a recycling centre 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 220).

General Guidelines	230
If Your Engine Quits or Won't Start	232
If the Transmission Is Not Functioning Properly (TRX420FA2)	235
Emergency Gear Selection & Operation (TRX420FA2)	238
If You Have a Flat Tyre	240
If the High Coolant Temperature Indicator Lights	243
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If You Crash	250
If You Lose Your Key	251
If the Battery Is Low (or Dead).....	252
If a Component Fails.....	253

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 tyre 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 tyre, 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 stopping, 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.

230 Taking Care of the Unexpected

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 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	Slide the engine stop switch to RUN.
transmission not in neutral	Shift into neutral (Except TRX420FA2). Shift into neutral or squeeze the front brake lever (TRX420FA2).
blown fuse	Replace with a new fuse of the same rating (page 245).
battery lead loose	Tighten the battery lead.
low (or dead) battery	Charge the battery (page 214). If charging doesn't help, see your dealer.
faulty starter motor	If all possible causes are negative, the starter motor may be faulty. See your 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 86).
loose or unconnected spark plug cap	Install the spark plug cap securely. If the engine still won't start, see your dealer.
loose battery cables	Tighten the battery terminal bolts.
weak battery	Charge the battery (page 214). If charging doesn't help, see your dealer.

(cont'd)

If Your Engine Quits or Won't Start

SYMPTOM: Engine starts, but runs poorly.	
POSSIBLE CAUSE	WHAT TO DO
high coolant temperature	Check the coolant temperature gauge and high coolant temperature indicator. Refer to <i>If the High Coolant Temperature Indicator Lights</i> , page 243.
runs erratically, misfires	May damage catalytic converter. See your dealer.
blubbers (rich fuel mixture)	See your dealer.
sooty exhaust (rich fuel mixture)	See your dealer.
detonates or pings under load	If applicable, switch to the recommended octane petrol (page 140) or change your brand of petrol. If the problem persists, see your dealer.
afterfires (backfires)	May damage catalytic converter. See your dealer.
pre-ignition (runs on after ignition switched OFF)	May damage catalytic converter. See your dealer.

SYMPTOM: Engine starts, but runs poorly or dies when hot.	
POSSIBLE CAUSE	WHAT TO DO
poor or inadequate fuel flow due to clogged fuel filter	See your dealer. (ensure clean fuel supply)

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If the Transmission Is Not Functioning Properly (TRX420FA2)

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

See your dealer to check and restore the transmission.

If the gear position indicator shows “–” and blink or, one or both shift switches do not function 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.

If these efforts do not restore proper operation, have your ATV inspected by your dealer.

When the “–” is blinking in the gear position indicator:

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

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

You may drive on the ATV as usual after restarting the engine. However, we urge you to have your ATV inspected by your dealer.

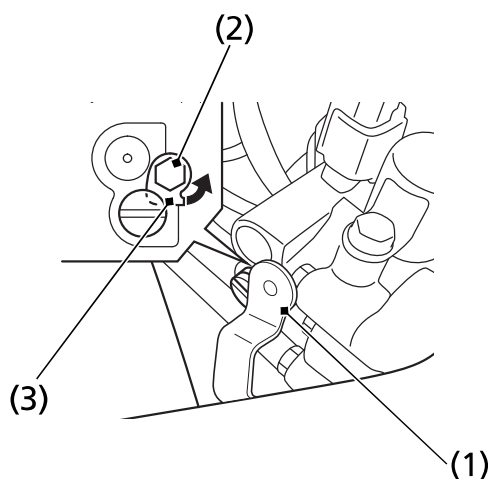
If one or both switches are not functioning after restarting the engine, see *Emergency Gear Selection & Operation (TRX420FA2)*, page 238.

If the Transmission Is Not Functioning Properly (TRX420FA2)

If the ATV does not move, even though “–” is not blinking in the gear position indicator:

It is possible the transmission is locked. Use the following procedure to unlock the transmission.

1. Make sure the transmission is in neutral.
2. Apply the parking brake.
3. Turn the ignition switch to the OFF (O) position.
4. Remove the oil check lid (page 148).
5. Using the gear change tool (1), loosen the screw (2) and release the lock plate (3).

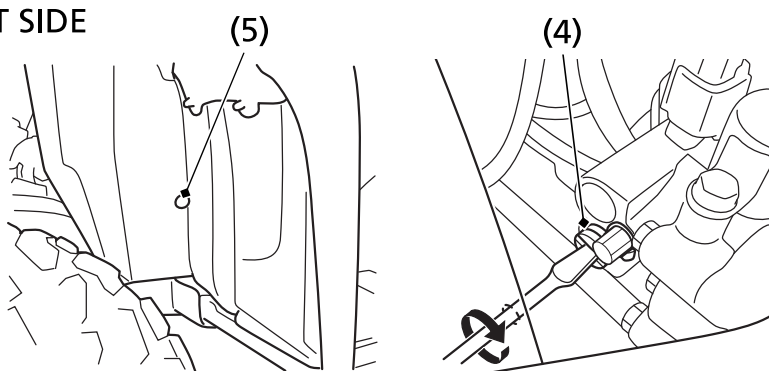


(1) gear change tool (3) lock plate
(2) screw

If the Transmission Is Not Functioning Properly (TRX420FA2)

6. Turn the emergency valve (4) by the screwdriver using the inside of the front fender hole (5) all the way in. With the engine running, your ATV will move forward slowly at idle.
7. See your dealer as soon as possible.

LEFT SIDE



(4) emergency valve

(5) inside of the front fender hole

When the battery is low (or dead):

- See *If the Battery Is Low (or Dead)*, page 252.

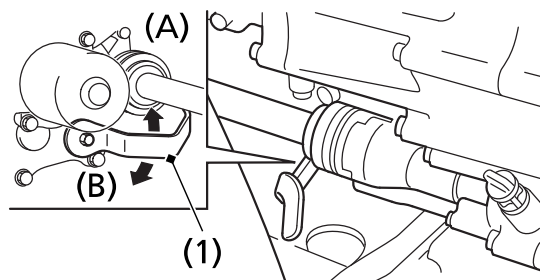
Emergency Gear Selection & Operation (TRX420FA2)

If the shift switches do not operate, use the following procedure to manually select a gear so you may drive the vehicle to a location where it can be loaded and transported to your dealer.

1. Turn the ignition switch to the ON (I) position.
2. Remove the seat (page 135), rear fender cover (page 138) and tank cover assembly (page 136).
3. Remove the gear change tool (page 133).
4. Check the neutral indicator.
If the transmission is in neutral, go to step 5.
If the transmission is not in neutral, use the gear change tool to shift to neutral so you will be able to start the engine. Refer to *How to Shift Gears Manually*: (page 239).
5. Apply the parking brake.
6. Press the start button to start the engine.
7. Set 2nd gear position. Refer to *How to Shift Gears Manually*: (page 239).
8. Return the gear change tool to the storage location.
9. Install the tank cover assembly, rear fender cover and seat.
10. Get on the ATV. Ride it at a safe speed to a place where it can be repaired or serviced.

Emergency Gear Selection & Operation (TRX420FA2)

How to Shift Gears Manually:



- (1) gear change tool (A) downshift (counterclockwise)
(B) upshift (clockwise)

- With the ATV unoccupied, align the hexagonal hole of the gear change tool (1) with the hexagonal end of the secondary spindle which is located on the front crankcase.
- To downshift, turn the gear change tool to direction (A). To upshift, turn the gear change tool to direction (B).
- If the transmission does not shift, rock the vehicle back and forth and try again.
- Return the gear change tool to the storage location.

Do not attempt to shift gears manually using the gear change tool while riding.

If the transmission is shifted manually when the electric shift system is functioning, the system will shutdown automatically and the shift switches will not operate. To reactivate the system, turn the ignition switch to the OFF (O) position, then turn it back to the ON (I) position.

If You Have a Flat Tyre

How you handle a flat tyre on the trail depends on how serious the tyre 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 tyre and is the same as that for conventional tubeless tyres.)

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

As soon as possible, have the tyre permanently repaired by your dealer. Any tyre 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 tyre pump and a repair kit with the vehicle.

If the leak is more serious, or a temporary repair doesn't hold, the tyre must be replaced. The tyre will also need to be replaced if it is damaged (page 205). Replacing a tyre involves removing and reinstalling the wheel (page 241).

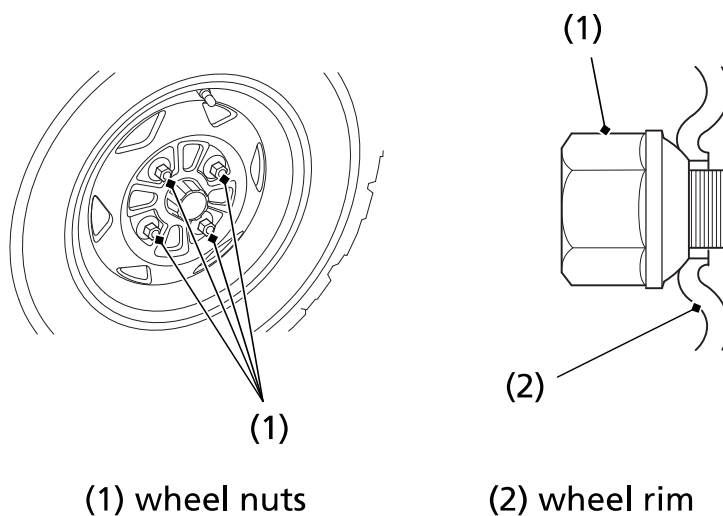
If you are unable to repair a flat tyre on the trail, you will need to send for help. We strongly recommend that you do not try to ride with a flat tyre. The ATV will be hard to handle, and if the tyre comes off the rim, it may lock up the wheel and cause you to crash.

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If You Have a Flat Tyre

Emergency Wheel Removal/Installation

Refer to *Safety Precautions* on page 123.



Removal

1. Park your ATV on a firm, level surface.
2. Loosen – but do not remove – the wheel nuts (1).
3. Raise the front (or rear) wheels off the ground and place a support block under the vehicle.
4. Remove the wheel nuts.
5. Remove the wheel.
 - Avoid getting grease, oil, or dirt on the front brake disc or pad surfaces when removing and installing each wheel. Any contamination can cause poor brake performance or rapid pad wear after reassembly.

If You Have a Flat Tyre

Installation

1. Position the wheel.
2. Position the wheel nuts so that the tapered sides face the wheel rim (2).
3. Hand-tighten the wheel nuts on the wheel, then lower the ATV to the ground before tightening the nuts in a crisscross (rather than circular) pattern to the specified torque:
64 N·m (6.5 kgf·m, 47 lbf·ft)

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

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If the High Coolant Temperature Indicator Lights

Normally, the high coolant temperature indicator will only light momentarily when you turn the ignition switch to ON (I).

High coolant 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 all the segment of the coolant temperature gauge and high coolant temperature indicator are 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 high coolant temperature 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 coolant temperature gauge and high coolant 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 246) and check the radiator fan fuse. If the fuse is blown, replace it with the proper (same rating) spare fuse. Start the engine. If all the segment of the coolant temperature gauge and high coolant temperature indicator stays on, turn the engine off. If the radiator fan is working, visually check the coolant level in the reserve tank, located under the left front fender. It isn't necessary to touch the radiator system.

If the High Coolant Temperature Indicator Lights

- If the reserve tank is low or empty, don't ride without adding coolant (page 163). After adding coolant, turn the engine on and check the coolant temperature gauge and high coolant temperature indicator.
If the indicator doesn't turn off, do not ride. The engine needs repair.
Transport your ATV to your dealer (page 222).
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 (pages 146, 148) 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 coolant temperature gauge and high coolant temperature indicator goes off.

If you are able to resume riding, continue to monitor the coolant temperature gauge and high coolant temperature indicator frequently.

If there is an oil leak — do not ride the ATV until the leak is repaired by your dealer (page 222).

If there's a mild coolant leak, you can ride for awhile, carefully watching the coolant temperature gauge and high coolant temperature indicator. Be prepared to stop and add more coolant or water. If the leak is bad, transport your ATV to your dealer (page 222).

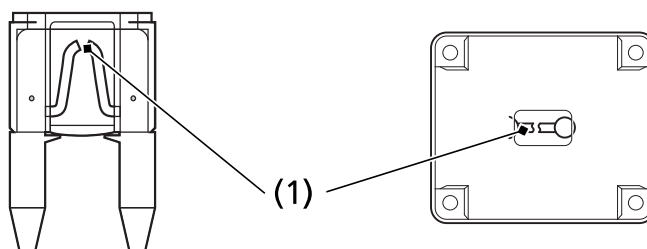
244 Taking Care of the Unexpected

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 under the rear fender cover.

TRX420FM2/FA2:

The EPS (Electric Power Steering) fuse is located under the rear fender cover.

Recommended Fuses

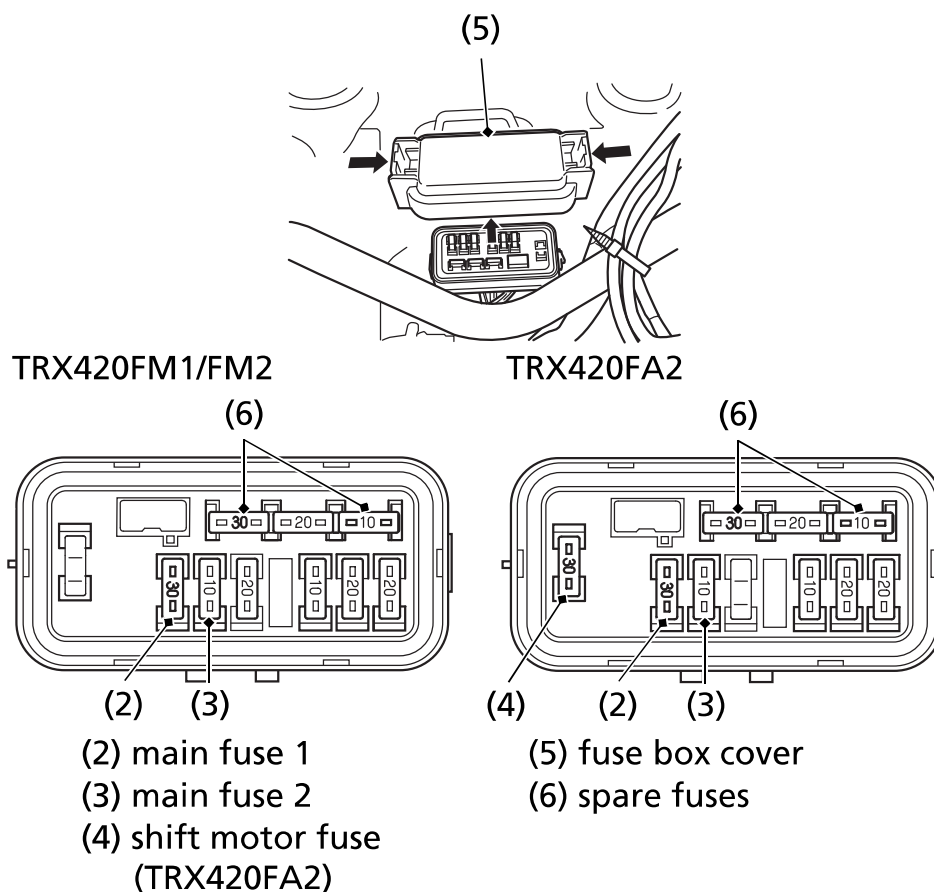
main fuse 1	30 A
main fuse 2	10 A
shift motor (TRX420FA2)	30 A
other fuses	TRX420FM1/FM2: 20 A × 3, 10 A TRX420FA2: 20 A × 2, 10 A
EPS (Electric Power Steering) fuse (TRX420FM2/FA2)	40 A

If a Fuse Blows

Main and Shift Motor Fuses (TRX420FA2) Access

1. To prevent an accidental short circuit, turn the ignition switch to OFF (O) before checking or replacing the fuses.
2. Remove the seat (page 135).
3. Remove the rear fender cover (page 138).
4. To access the main fuses (2) (3) and shift motor fuse (4) (TRX420FA2), remove the fuse box cover (5).

UNDER REAR FENDER COVER



5. Pull the main fuse out with the fuse puller on the underside of the rear fender cover (page 134).
If it is blown, install the spare fuse (6) of the same rating.

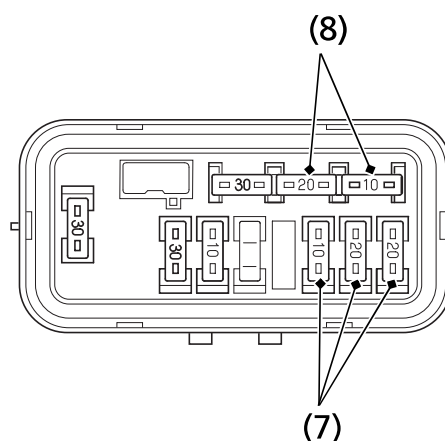
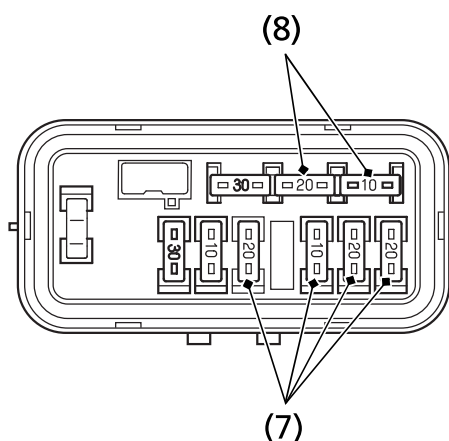
246 Taking Care of the Unexpected

If a Fuse Blows

Circuit Fuses Access

TRX420FM1/FM2

TRX420FA2



(7) circuit fuses

(8) spare fuses

6. To check or replace a circuit fuse (7), pull the old fuse out of its retaining clips with the fuse puller on the underside of the rear fender cover (page 134).

If the fuse is blown, replace it with a spare fuse (8) of the same rating.

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.

7. Install the fuse box cover.

8. Install the rear fender cover.

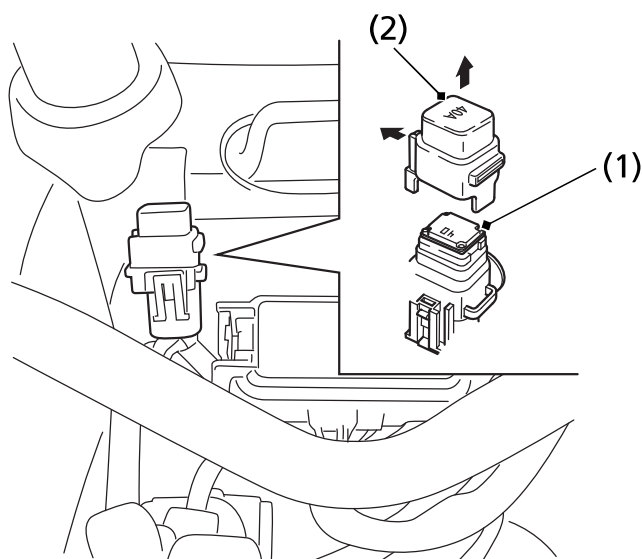
9. Install the seat.

If a Fuse Blows

EPS (Electric Power Steering) Fuse Access (TRX420FM2/FA2)

1. Turn the ignition switch to OFF (O) before checking the fuse.
2. Remove the seat (page 135).
3. Remove the rear fender cover (page 138).
4. To access the EPS fuse (1), remove the EPS fuse box cover (2).
If the EPS fuse is blown, see your dealer for this service.
5. Install the EPS fuse box cover.
6. Install the rear fender cover.
7. Install the seat.

UNDER REAR FENDER COVER



(1) EPS fuse

(2) EPS fuse box cover

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If a Fuse Blows

If you do not have a spare fuse and you cannot ride the ATV without fixing the problem, take a fuse of the same rating or a lower rating from one of the other circuits that you can do without temporarily.

If you replace a blown fuse with a spare fuse that has a lower rating, replace the fuse with the correct rating as soon as you can. Also remember to replace any spare fuses that were installed.

If the replacement fuse of the same rating burns out in a short time, there is probably a serious electrical problem on your ATV. Leave the blown fuse in that circuit and have your ATV checked by your dealer.

If You Crash

Personal safety is your first priority after a crash. 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 dealer check the frame and suspension after any serious crash.

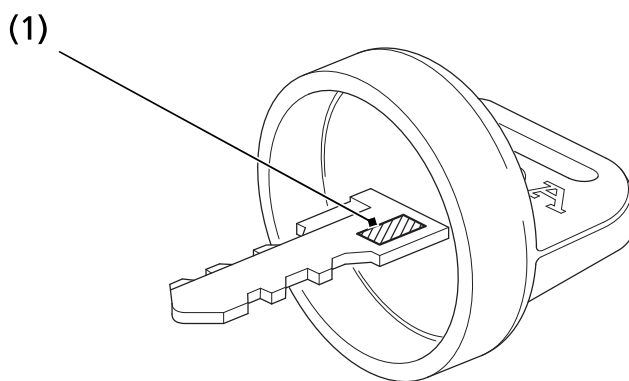
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If You Lose Your Key

Be sure to record your key number (1) at the following space. 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 where you purchased your Honda ATV. They may have it listed in their records. If they don't, transport your ATV to them or the nearest 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.

KEY NO. _____



(1) key number

If the Battery Is Low (or Dead)

Your ATV will operate even if the battery is low (or dead), as long as the engine is running. If the engine is not running, it may be started using the recoil starter.

TRX420FM1/FM2:

1. Shift the shift lever in neutral position.
2. Apply the parking brake.
3. Turn the ignition switch to the ON (I) position.
4. Use the recoil starter (page 88) to start the engine.

TRX420FA2:

1. Turn the ignition switch to the ON (I) position.
2. Check if the transmission is in neutral by moving the vehicle back and forth.
3. If the transmission is in neutral, the vehicle will move easily. Go to step 6. If the transmission is not in neutral, the vehicle will not move.
4. Remove the gear change tool from under the rear fender cover (page 133).
5. Use the gear change tool to shift to neutral so you will be able to start the engine. Refer to *How to Shift Gears Manually*: (page 239).
6. Apply the parking brake.
7. Turn the ignition switch to the OFF (O) position, then turn it back to the ON (I) position.
8. Use the recoil starter (page 88) to start the engine.

Jump starting is not recommended, especially if you use an automobile battery. The greater amperage of an automobile battery when the car engine is running can damage your ATV's electrical system.

Bump starting is also not recommended.

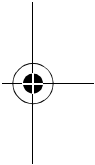
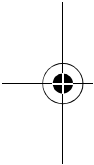
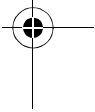
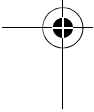
If you can't charge the battery or it appears unable to hold a charge, contact your dealer.

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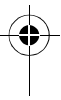
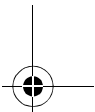
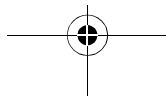
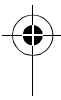
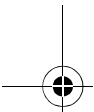
If a Component Fails

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.



254 Taking Care of the Unexpected



Technical Information

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

Vehicle Identification	256
Specifications	258
Break-in Guidelines.....	264
Petrol Containing Alcohol.....	265
Catalytic Converter.....	266

Vehicle Identification

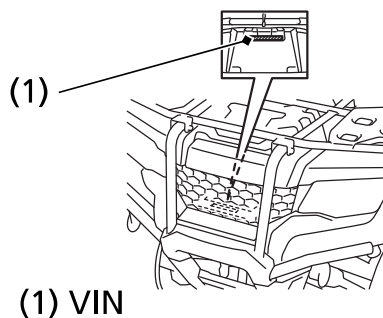
Serial Numbers

The VIN, engine serial number, and key number may be required when ordering replacement parts. Record the numbers here for your reference.

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

VIN _____

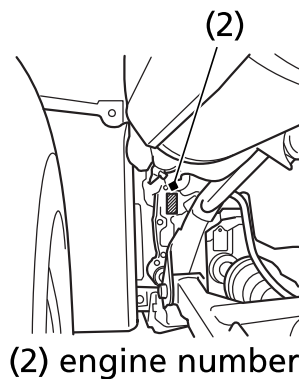
FRONT



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

ENGINE No. _____

LEFT REAR



Vehicle Identification

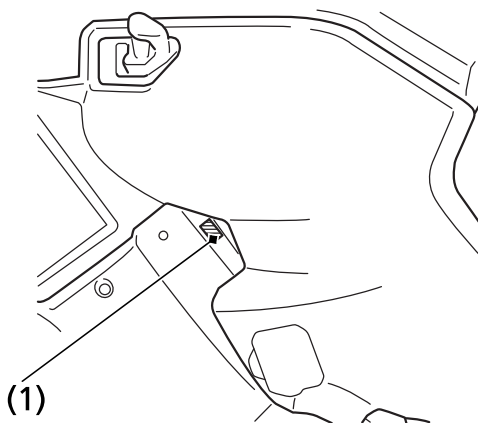
Colour Label & Code

The colour label (1) is attached on the left side of the frame.

The colour code is helpful when ordering replacement parts. Record the colour code here for your reference.

COLOUR CODE _____

LEFT SIDE



(1) colour label

Specifications

Dimensions	
overall length	2,104 mm (82.8 in)
overall width	1,205 mm (47.4 in)
overall height	1,175 mm (46.3 in)
wheelbase	1,269 mm (50.0 in)
ground clearance	183 mm (7.2 in)

Fuel & Lubricants	
fuel recommendation	unleaded petrol, research octane number of 91 or higher
fuel containing alcohol	ETHANOL up to 10% by volume
fuel tank capacity	14.7 ℓ (3.88 US gal, 3.23 Imp gal) including reserve
fuel tank reserve	4.9 ℓ (1.29 US gal, 1.08 Imp gal)
engine oil capacity	TRX420FM1/FM2 after disassembly: 3.3 ℓ (3.5 US qt, 2.9 Imp qt) after draining: 2.6 ℓ (2.7 US qt, 2.3 Imp qt) after draining & oil filter change: 2.7 ℓ (2.9 US qt, 2.4 Imp qt) TRX420FA2 after disassembly: 4.0 ℓ (4.2 US qt, 3.5 Imp qt) after draining: 3.4 ℓ (3.6 US qt, 3.0 Imp qt) after draining & oil filter change: 3.6 ℓ (3.8 US qt, 3.2 Imp qt)
engine oil recommendation	API Service Classification SJ or higher except oils labelled as energy conserving or resource conserving on the circular API service label, SAE 10W-30, JASO T 903 standard MA, Honda 4-stroke oil or an equivalent

258 Technical Information

Specifications

Fuel & Lubricants (cont'd)

cooling system recommendation	High quality ethylene glycol antifreeze containing corrosion protection inhibitors specifically recommended for use in aluminium engines
cooling system capacity	1.6 ℓ (1.7 US qt, 1.4 Imp qt)

Capacities

passenger capacity	operator only
maximum weight capacity	187 kg (412 lb) rider, all cargo and accessories

Engine Specifications

displacement	420 cm ³ (25.6 cu-in)
bore & stroke	86.5 × 71.5 mm (3.41 × 2.81 in)
compression ratio	9.9 : 1
spark plug (standard)	BKR5E-11 (NGK) or K16PR-U11 (DENSO)
spark plug gap	1.00 – 1.10 mm (0.039 – 0.043 in)
valve clearance (cold)	intake: 0.15 ± 0.02 mm (0.006 ± 0.001 in) exhaust: 0.23 ± 0.02 mm (0.009 ± 0.001 in)
idle speed	1,400 ± 100 min ⁻¹ (rpm)

(cont'd)

Technical Information 259

Specifications

Power Transmission (TRX420FM1/FM2)		
primary reduction		2.103
secondary reduction		1.818
final reduction	front	3.231
	rear	3.154
transmission ratio	1st	3.857
	2nd	2.235
	3rd	1.571
	4th	1.178
	5th	0.848
	reverse	4.831
final drive		shaft

Power Transmission (TRX420FA2)		
primary reduction		2.680
secondary reduction		1.818
final reduction	front	3.231
	rear	3.154
transmission ratio	1st	3.058
	2nd	2.157
	3rd	1.541
	4th	1.178
	5th	0.848
	reverse	3.996
final drive		shaft

Specifications

Chassis & Suspension	
caster	2°
trail	4 mm (0.2 in)
tyre size, front	AT24 × 8-12★★ MAXXIS M977
tyre size, rear	AT24 × 10-11★★ MAXXIS M978
tyre pressure, front & rear (cold)	Front: 32.5 kPa (4.7 psi) Rear: 32.5 kPa (4.7 psi)

Electrical	
battery	GYZ16H 12 V –16 Ah (10HR) / 16.8 Ah (20HR)
generator	TRX420FM1/FM2 0.416 kW/5,000 min ⁻¹ (rpm) TRX420FA2 0.45 kW/5,000 rpm

Lights	
headlight	12 V 35/35 W × 2
brake/tail light	LED
neutral indicator	LED
reverse indicator	LED
high coolant temperature indicator	LED
PGM-FI indicator	LED
PS (Electric Power Steering) indicator (TRX420FM2/FA2)	LED

(cont'd)

Specifications

Fuses	
main 1	30 A
main 2	10 A
shift motor (TRX420FA2)	30 A
other	TRX420FM1/FM2 20 A × 3, 10 A TRX420FA2 20 A × 2, 10 A
EPS (Electric Power Steering) (TRX420FM2/FA2)	40 A

Torque Specification	
engine oil drain bolt	25 N·m (2.5 kgf·m, 18 lbf·ft)
engine oil filter cover bolts	TRX420FM1/FM2 10 N·m (1.0 kgf·m, 7 lbf·ft) TRX420FA2 12 N·m (1.2 kgf·m, 9 lbf·ft)
rear final gear oil drain bolt	12 N·m (1.2 kgf·m, 9 lbf·ft)
rear final gear oil fill cap	12 N·m (1.2 kgf·m, 9 lbf·ft)
rear final gear oil level check bolt	12 N·m (1.2 kgf·m, 9 lbf·ft)
front final gear oil drain bolt	12 N·m (1.2 kgf·m, 9 lbf·ft)
front final gear oil fill cap	12 N·m (1.2 kgf·m, 9 lbf·ft)
rear brake drain bolt	12 N·m (1.2 kgf·m, 9 lbf·ft)
wheel nuts	64 N·m (6.5 kgf·m, 47 lbf·ft)

262 Technical Information

Specifications

Noise Level & Vibrations

Noise level
EN 15997 Annex H

77 dB(A)

Uncertainty of
measurement

3 dB(A)

Vibration on seat
EN 15997 Annex I

Not exceed 0.5 m/s²

Uncertainty of
measurement

N/A

Vibration on handlegrip
EN 15997 Annex I

Not exceed 2.5 m/s²

Uncertainty of
measurement

N/A

Carbon dioxide (CO₂) emissions

Value of the carbon
dioxide (CO₂)
emissions

915.3 g/kWh

This CO₂ measurement results from testing over a fixed test cycle under laboratory conditions a(n) (parent) engine representative of the engine type (engine family) and shall not imply or express any guarantee of the performance of a particular engine.

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 25 km (15 miles).

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

Petrol Containing Alcohol

If you decide to use a petrol containing alcohol (gasohol), be sure its octane rating is at least as high as that recommended above.

Do not use gasohol that contains more than 10 % ethanol.

Engine performance problems resulting from the use of fuels that contain alcohol are not covered under the warranty. Honda cannot endorse the use of fuels containing methanol since evidence of their suitability is not yet complete.

Before buying fuel from an unfamiliar station, try to find out if the fuel contains alcohol. If it does, confirm the type and percentage of alcohol used. If you notice any undesirable operating symptoms while using a petrol that contains alcohol, or one that you think contains alcohol, switch to a petrol that you know does not contain alcohol.

Catalytic Converter

This ATV is equipped with a three way catalytic converter. The catalytic converter contains precious metals that serve as catalysts, promoting chemical reactions to convert the exhaust gasses without affecting the metals.

The catalytic converter acts on HC, CO, and NOx. A replacement unit must be an original Honda part or its equivalent.

The catalytic converter must operate at a high temperature for the chemical reactions to take place. It can set fire to any combustible materials that come near it. Park your ATV away from high grasses, dry leaves, or other flammables.

A defective catalytic converter contributes to air pollution, and can impair your engine's performance. Follow these guidelines to protect your ATV's catalytic converter.

- Always use unleaded petrol. Even a small amount of leaded petrol can contaminate the catalyst metals, making the catalytic converter ineffective.
- Keep the engine in good running condition. A poorly running engine can cause the catalytic converter to overheat causing damage to the converter or the ATV.
- If your engine is misfiring, backfiring, stalling, or otherwise not running properly, stop driving and turn off the engine. Have your ATV serviced as soon as possible.

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Manufacturer, Authorized Representative and Importer

Manufacturer	American Honda Motor Co., Inc. 3721 NC HWY. 119 SWEPSONVILLE, NORTH CAROLINA 27359 U.S.A.
Authorized Representative and Importer for EU Market	Honda Motor Europe Ltd – Aalst Office Wijngaardveld 1 (Noord V) 9300 Aalst - Belgium
Authorized Representative and Importer for UK Market	Honda Motor Europe Ltd Cain Road, Bracknell, Berkshire, RG12 1HL, United Kingdom

HONDA

EC Declaration of Conformity

1. The undersigned, Peter Neckebroek, on behalf of the authorized representative, herewith declares that the machinery described below fulfils all the relevant provisions of :
- Directive 2006/42/EC on machinery
 - Directive 2014/30/EU on electromagnetic compatibility

2. Description of the machinery

- a) Generic denomination: All-terrain vehicle (ATV) not intended for use on public roads
- b) Function: Transportation of persons

c) Commercial name	d) Type	e) Serial number
TRX420FM1	TE40	1HFTE40V*SJ100001~ 1HFTE40V*SJ199999
TRX420FM2	TE40	1HFTE40W*SJ100001~ 1HFTE40W*SJ199999
TRX420FA2	TE41	1HFTE41V*SJ100001~ 1HFTE41V*SJ199999

3. Manufacturer
American Honda Motor Co., Inc.
3721 NC HWY. 119
SWEPSONVILLE, NORTH CAROLINA 27359 U.S.A.

4. Authorized representative and able to compile the technical documentation
Honda Motor Europe Ltd - Aalst Office
Wijngaardveld 1 (Noord V)
9300 Aalst - Belgium

5. References to harmonized standards	6. Other standards or specifications
EN ISO14982: 2009 EN 15997:2011/AC:2012	

7. Done at: Aalst, Belgium
8. Date: 6 March 2024



Peter Neckebroek
Head of Certification

	French	Italian	German
	Déclaration CE de Conformité	Dichiarazione CE di Conformità	EG-Konformitätserklärung
1	Le sous signé, Peter Neckebroeck, de la part du représentant autorisé, déclare que la machine décrit ci-dessous répond à toutes les dispositions applicables de	Il sottoscritto, Peter Neckebroeck, in qualità di rappresentante autorizzato, dichiara qui di seguito che la macchina sotto descritta soddisfa tutte le disposizioni pertinenti delle:	Der Unterzeichner, Peter Neckebroeck, erklärt hiermit im Namen der Bevollmächtigten, dass die hierunter genannte Maschine allen einschlägigen Bestimmungen der * entspricht.
	* Directive Machine 2006/42/CE	* Direttiva macchine 2006/42/CE	* Maschinenrichtlinie 2006/42/EG
	* Directive 2014/30/UE en lien avec la compatibilité électromagnétique	* Direttiva 2014/30/UE sulla compatibilità elettromagnetica	* Richtlinie 2014/30/EU über die elektromagnetische Verträglichkeit
2	Description de la machine	Descrizione della macchina	Beschreibung der Maschine
	a) Denomination générique	a) Denominazione generica	a) Allgemeine Bezeichnung
	Véhicule Tout Terrain non autorisé à circuler sur la voie publique	Veicolo fuoristrada (ATV) non destinato ad essere utilizzato su strade pubbliche	ATV nicht für den Straßenverkehr vorgesehen
	b) Fonction	b) Funzione	b) Funktion
	Transport de personnes	Trasporto di persone	Personenbeförderung
	c) Nom Commercial	c) Denominazione commerciale	c) Handelsbezeichnung
	d) Type	d) Tipo	d) Typ
	e) Numéro de série	e) Numero di serie	e) Seriennummer
3	Constructeur	Costruttore	Hersteller
	Représentant autorisé et en charge des éditions de documentation techniques	Rappresentante autorizzato e competente per la compilazione della documentazione tecnica	Bevollmächtigter und in der Position, die technische Dokumentation zu erstellen
4	Référence aux normes harmonisées	Riferimento agli standard armonizzati	Verweis auf harmonisierte Normen
5	Autres normes et spécifications	Altri standard o specifiche	Andere Normen oder Spezifikationen
6	Fait à	Fatto a	Ort
7	Date	Data	Datum

	Dutch	Danish	Greek
	EG-verklaring van overeenstemming	EF Overenstemmelseerklæring	ΕΚ-Δήλωση συμμόρφωσης
1	Ondergetekende, Peter Neckebroeck, in naam van de gemachtigde van de fabrikant, verklaart hiermee dat het hieronder beschreven machine voldoet aan alle toepasselijke bepalingen van :	UNDERTEGNEDE, PETER NECKEBROECK, PÅ VEGNE AF DEN AUTORISEREDE REPRÆSENTANT, ERKLÆRER HERMED AT MASKINEN, SOM ER BESKREVET NEDENFOR, OPFYLDER ALLE RELEVANTE BESTEMMELSER IFØLGE:	Ο κάτωθι υπογεγραμμένος, Peter Neckebroeck, εκ μέρους του εξουσιοδοτημένου αντιπροσώπου με το παρών δηλώνω ότι το παρακάτω περιγραφόμενο όχημα πληροί όλες τις σχετικές προδιαγραφές του:
	* Richtlijn 2006/42/EG betreffende machines	* MASKINDIREKTIV 2006/42/EF	* Οδηγία 2006/42/EK για μηχανές
	* Richtlijn 2014/30/EU betreffende elektromagnetische overeenstemming	* Direktiv 2014/30/EU om elektromagnetisk kompatibilitet	* Οδηγία 2014/30/ΕΕ σχετικά με την ηλεκτρομαγνητική συμβατότητα
2	Beschrijving van de machine	BESKRIVELSE AF PRODUKTET	Περιγραφή μηχανήματος
	a) Algemene benaming	a) FÆLLESBETEGNELSE	a) Γενική ονομασία
	Terrein voertuig (ATV) niet bedoeld voor gebruik op de openbare weg.	Terrængående køretøj (ATV), der ikke er beregnet til brug på offentlig vej	ΑΤV που δεν είναι σχεδιασμένα για χρήση σε δημόσιους δρόμους.
	b) Functie	b) ANVENDELSE	b) Λειτουργία
	Vervoer van personen	Persontransport	Μεταφορά επιβατών
	c) Handelsbenaming	c) HANDELSBETEGNELSE	c) Εμπορική ονομασία
	d) Type	d) TYPE	d) Τύπος
	e) Serienummer	e) SERIENUMMER	e) Αριθμός σειράς παραγωγής
3	Fabrikant	PRODUCENT	Κατασκευαστής
	Gemachtigde van de fabrikant en in staat om de technische documentatie samen te stellen	AUTORISERET REPRÆSENTANT OG I STAND TIL AT UDARBEJDE DEN TEKNISKE DOKUMENTATION	Εξουσιοδοτημένος αντιπρόσωπος και είναι σε θέση να καταρτίσει τον τεχνικό φάκελο
4	Referere naar geharmoniseerde normen	REFERENCE TIL HARMONISEREDE STANDARDER	Αναφορά σε εναρμονισμένα πρότυπα
5	Andere normen of specificaties	ANDRE STANDARDER ELLER SPECIFIKATIONER	Λοιπά πρότυπα ή προδιαγραφές
6	Plaats	STED	Η δοκιμή έγινε
7	Datum	DATO	Ημερομηνία

	Swedish	Spanish	Romanian
	EG-försäkran om överensstämmelse	Declaración de Conformidad CE	CE -Declaratie de Conformitate
1	Undertecknad, Peter Neckebroeck, på uppdrag av auktoriserad representant, deklarerar härmed att maskinen beskriven nedan fullföljer alla relevanta bestämmelser enl : * Direktiv 2006/42/EG gällande maskiner * Direktiv 2014/30/EU på elektromagnetisk kompatibilitet	El abajo firmante, Peter Neckebroeck, en representación del representante autorizado, adjunto declara que la máquina abajo descrita, cumple las cláusulas relevantes de: * Directiva 2006/42/CE de maquinaria * Directiva 2014/30/UE sobre compatibilidad electromagnética	Subsemnatul Peter Neckebroeck, in numele reprezentantului autorizat, declar prin prezenta faptul ca echipamentul descris mai jos indeplineste toate conditiile necesare din: * Directiva 2006/42/CE privind echipamentul * Directiva 2014/30/UE privind compatibilitatea electromagnetica
2	Maskinbeskrivning	Descripción de la máquina	Descrierea echipamentului
	a) Allmän benämning	a) Denominación genérica	a) Denumire generica
	Terängskoter, ej avsedd för användning på allmän väg	ATV: Vehículo todo terreno no destinado para uso por vías públicas	Cvadrviciclu (ATV) interzis utilizarii pe drumurile publice.
	b) Funktion	b) Función	b) Domeniu de utilizare
	Persontransport	Transporte de personas	Transportul de persoane
	c) Och varunamn	c) Denominación comercial	c) Denumire comerciala
	d) Typ	d) Tipo	d) Tip
	e) Serienummer	e) Número de serie	e) Serie produs
3	Tillverkare	Fabricante	Producator
	Auktoriserad representant och ska kunna sammanställa teknisk dokumentationen	Representante autorizado que puede compilar el expediente técnico	Reprezentant autorizat și abilitat să realizeze documentație tehnică
4	referens till överensstämmande standarder	Referencia de los estándar armonizados	Referinta la standardele armonizate
5	Andra standarder eller specifikationer	Otros estándar o especificaciones	Alte standarde sau norme
6	Utfärdat vid	Realizado en	Emisa la
7	Datum	Fecha	Data
	Portuguese	Polish	Finnish
	Declaração CE de Conformidade	Deklaracja zgodności WE	EY-Vaatimustenmukaisuusvakuutus
1	O abaixo assinado, Peter Neckebroeck, declara deste modo, em nome do mandatário, que o máquina abaixo descrito cumpre todas as estipulações relevantes da: * Directiva 2006/42/CE de máquina * Directiva 2014/30/UE relativa à compatibilidade electromagnética	Niżej podpisany, Peter Neckebroeck, w imieniu upoważnionego przedstawiciela, niniejszym deklaruje, że urządzenie opisane poniżej spełnia wszystkie odpowiednie postanowienia: * Dyrektywa Maszynowa 2006/42/WE * Dyrektywa 2014/30/UE Kompatybilności Elektromagnetycznej	Allekirjoittanut, Peter Neckebroeck valtuutettu valmistajan edustaja, vakuuttaa täten että alla mainittu kone/tuote täyttää kaikki seuraavia määräyksiä: * Konedirektiivi 2006/42/EY * Direktiivi 2014/30/EU sähkömagneettinen yhteensopivuus
2	Descrição da máquina	Opis urządzenia	TUOTTEEN KUVAUS
	a) Denominação genérica	a) Ogólne określenie	a) Yleisarvomäärä
	Veículo de todo o terreno (ATV) não adequado para utilização nas vias públicas	Pojazd do jazdy w terenie (ATV) nieprzeznaczony do jazdy po drogach publicznych	Maastojoneuvo (ATV). Ei tarkoitettu yleiseen tieliikenteeseen
	b) Função	b) Funkcja	b) Toiminto
	Transporte de pessoas	Transport osób	Henkilökuljetusta varten
	c) Marca	c) Nazwa handlowa	c) KAUPALLINEN NIMI
	d) Tipo	d) Typ	d) TYYPPI
	e) Número de série	e) Numery seryjne	e) SARJANUMERO
3	Fabricante	Producent	VALMISTAJA
	Mandatário com capacidade para compilar documentação técnica	Upoważniony Przedstawiciel oraz osoba upoważniona do przygotowania dokumentacji technicznej	Valmistajan edustaja ja teknisten dokumenttien laatia
4	Referência a normas harmonizadas	Zastosowane normy zharmonizowane	VIITTAUS YHTEISIIN STANDARDEIHIN
5	Outras normas ou especificações	Pozostałe normy i przepisy	Muu standardi tai tekniset tiedot
6	Feito em	Miejsce	TEHTY
7	Data	Data	PÄIVÄMÄÄRÄ

	Hungarian	Czech	Latvian
	EK-megfelelőségi nyilatkozata	ES – Prohlášení o shodě	EK atbilstības deklarācija
1	Alulírott Peter Neckebroeck, a gyártó cég törvényes képviselőjeként nyilatkozom, hogy az általunk gyártott gép megfelel az összes, alább felsorolt direktívának: * 2006/42/EK Direktívának berendezésekre * Irányelv 2014/30/EU megfelelnek az elektromágneses	Podepsaný Peter Neckebroeck, jako autorizovaná osoba zde potvrzuje, že stroj popsany níže splňuje požadavky příslušných opatření: * Směrnice 2006/42/ES pro strojní zařízení * Směrnice 2014/30/EU týkající se elektromagnetické compatibility	Peter Neckebroeck ar savu parakstu zem šī dokumenta, autorizēta pārstāvja vārdā, paziņo, ka zemāk aprakstītie mašīna, atbilst visām zemāk norādīto direktīvu sadalām: * Direktīva 2006/42/EK par mašīnām * Direktīva 2014/30/ES par elektromagnētisko saderību
2	A gép leírása a) Általános megnevezés Négykerékű motorkerékpár (ATV) nem közúti használatra tervezve b) Funkció Személyszállítás c) Kereskedelmi nevét d) Típus e) Sorozatszám	Popis zařízení a) Všeobecné označení Terénní vozidla (ATV), která nejsou určena pro provoz na veřejných komunikacích b) Funkce Přeprava osob c) Obchodní název d) Typ e) Výrobní číslo	Iekārtas apraksts a) Vispārējais nosukums Apvidus transporta līdzeklis (Kvadracikls), kas nav paredzēts braukšanai uz koplietošanas ceļiem. b) Funkcija Cilvēku pārvadāšana c) Komerccnosaukums d) Tips e) Sērijas numurs
3	Gyártó	Výrobce	Ražotājs
	Meghatalmazott képviselője és képes összeállítani a műszaki dokumentációt	Zplnomocněný zástupce a osoba pověřená kompletací technické dokumentace	Autorizētais pārstāvis, kas spēj sastādīt tehniko dokumentāciju
4	Hivatkozással a szabványokra	Odkazy na harmonizované normy	Atsauces uz saskaņotajiem standartiem
5	Más előírások, megjegyzések	Ostatní použité normy a specifikace	Citi noteiktie standarti vai specifikācijas
6	Keltezés helye	Podepsáno v	Vieta
7	Keltezés ideje	Datum	Datums
	Slovak	Estonian	Slovenian
	ES vyhlásenie o zhode	EÜ vastavusdeklaratsioon	ES izjava o skladnosti
1	Dolupodpísaný, Peter Neckebroeck, ako autorizovaný zástupca výrobcu, týmto vyhlasuje, že uvedený strojové je v zhode s nasledovnými smernicami: * Smernica 2006/42/ES (Strojné zariadenia) * Smernica 2014/30/EÚ na elektromagnetickú kompatibilitu	Käesolevaga kinnitab allakirjutanu, Peter Neckebroeck, volitatud esindaja nimel, et allpool kirjeldatud masina vastab kõikidele alljärgnevale direktiivide sätetele: * Masinate direktiiv 2006/42/EÜ * Elektromagnetilise ühilduvuse direktiiv 2014/30/EL	Spodaj podpisani, Peter Neckebroeck, ki je pooblaščen oseba in v imenu proizvajalca izjavlja, da spodaj opisana stroj ustreza vsem navedenim direktivam: * Direktiva 2006/42/ES o strojih * Direktiva 2014/30/EU o elektromagnetni združljivosti
2	Popis stroja a) Druhové označenie Terénne vozidlo (ATV) určené pre prevádzku mimo verejných komunikácií b) Funkcia Preprava osôb c) Obchodný názov d) Typ e) Výrobné číslo	Seadmete kirjeldus a) Üldnimetus Maastikusõiduk (ATV) mis ei ole avalikel teedel kasutamiseks b) Funktsioon Inimeste transpordiks c) Kaubanduslik nimetus d) Tüüp e) Seerianumber	Opis naprave a) Vrsta stroja Širikolessnik (ATV), ki ni namenjen uporabi na javnih cestah b) Funkcija Transport oseb c) Trgovski naziv d) Tip e) Serijska številka
3	Výrobca	Tootja	Proizvajalec
4	Autorizovaný zástupca schopný zostaviť technickú dokumentáciu	Volitatud esindaja, kes on pädev täitma tehnilist dokumentatsiooni	Pooblaščen predstavnik ki lahko predloži tehnično dokumentacijo
5	Referencia k harmonizovaným štandardom	Viide ühtlustatud standarditele	Upoštevaní harmonizirani standardi
6	Ďalšie štandardy alebo špecifikácie	Muud standardid ja spetsifikatsioonid	Ostali standardi ali specifikacij
7	Miesto	Koht	Kraj
8	Dátum	Kuupäev	Datum

	Lithuanian	Bulgarian	Norwegian
	EB atitikties deklaracija	ЕО декларация за съответствие	EF- Samsvarserklæring
1	Igaliojo atstovo vardu pasirašęs Peter Neckebroeck patvirtina, kad žemiau aprašyta mašina atitinka visas išvardintų direktyvų nuostatas:	Долуподписаният Петер Некебрюк, от името на упълномощения представител, с настоящото декларирам, че машините, описани по-долу, отговарят на всички съответни разпоредби на:	Undertegnede Peter Neckebroeck på vegne av autorisert representant herved erklærer at maskineri beskrevet nedenfor innfrir relevant informasjon fra følgende forskrifter.
	* Mechanizmų direktyva 2006/42/EB	* Директива 2006/42/ЕО относно машините	* Maskindirektivet 2006/42/EF
	* Direktyva 2014/30/ES dėl elektromagnetinio suderinamumo	* Директива 2014/30/ЕС за Електромагнитна съвместимост	* Direktiv 2014/30/EU om Elektromagnetisk kompatibilitet
2	Prietaiso aprašymas	Описание на машините	Beskrivelse av produkt
	a) Bendras pavadinimas	a) Общо наименование	a) Felles benevnelse
	Keturratis motociklas, neskirtas važinėti viešo naudojimo keliais	Превозното средство не е предназначено за използване по републиканската пътна мрежа	Terregkjøretøy (ATV) ikke beregnet for bruk på offentlig vei.
	b) Funkcija	b) Функция	b) Funksjon
	Žmonių transportavimas	Превоз на хора	Transport av personer
	c) Komerčinis pavadinimas	c) Търговско наименование	c) Handelsnavn
	d) Tipas	d) Тип	d) Type
	e) Serijos numeris	e) Сериен номер	e) Serienummer
3	Gamintojas	Производител	Produsent
4	Igaliotasis atstovas ir galintis sudaryti techninę dokumentaciją	Упълномощен представител и отговорник за съставяне на техническа документация	Autorisert representant og i stand til å utarbeide den tekniske dokumentasjonen
5	Nuorodos į suderintus standartus	Съответствие с хармонизирани стандарти	Referanse til harmoniserte standarder
6	Kiti standartai ir specifikacija	Други стандарти или спецификации	Øvrige standarder eller spesifikasjoner
7	Vieta	Място на изготвяне	Sted
8	Data	Дата на изготвяне	Dato

	Icelandic	Turkish	Croatian
	EB-Samræmisýfirlýsing	AT Uygunluk Beyanı	EK Izjava o sukladnosti
1	Undirritaður Peter Neckebroeck staðfestir hér með fyrir hönd löggilttra aðila að upplýsingar um vélbúnað hér að neðan eru tæmandi hvað varðar alla tilheyrandi málaflokkka, svo sem * Leiðbeiningar fyrir vélbúnað 2006/42/EB * TILSKIPUN 2014/30/EU VARDANDI SAMHÆFNI RAFSEGULSVÍÐS	Aşağıda imzası bulunan Peter Neckebroeck, yetkili temsilci adına, bu yazıyla birlikte aşağıdaki makine ile ilgili tüm hükümlülüklerin yerine getirildiğini beyan etmektedir : * Makina Emniyet Yönetmeliği 2006/42/AT * Elektromanyetik uyumlulukla ilgili 2014/30/AB no' lu yönetmelik	Potpisani, Peter Neckebroeck, u ime ovlaštenog predstavnika, ovime izjavljuje da strojevi navedeni u nastavku ispunjavaju sve važeće odredbe: * Propisa za strojeve 2006/42/EK * Propisa 2014/30/EU na elektromagnetsku kompatibilnost
2	Lýsing á vélbúnaði	Makinanın tanımı	Opis strojeva
	a) Flokkur	a) Kapsamlı adlandırma	a) Općeniti naziv
	Torfaerutæki (ATV) ekki til notkunar í almenna vegakerfinu.	ATV araçlarının karayollarında kullanılması amaçlanmamaktadır.	Četverocikl koji nije namijenjen za vožnju javnim cestama
	b) Virkni	b) İşlevi	b) Funkcija
	Flutningur farþega	Yolcu taşınması	Prijevoz putnika
	c) Nafn	c) Ticari adı	c) Trgovački naziv
	d) Tegund	d) Tipi	d) Tip
	e) Séríal númer	e) Seri numarası	e) Serijski broj
3	Framleiðandi	İmalatçı	Proizvođač
4	Löggildir aðilar og fær um að taka saman tækniskjölín	Teknik dosyayı hazırlamakla yetkili olan Toplulukta yerleşik yetkili temsilci	Ovlašteni predstavnik i osoba za sastavljanje tehničke dokumentacije
5	Tilvísun um heildar staðal	Uyumlaştırılmış standartlara atıf	Reference na usklađene norme
6	Aðrir staðlar eða sérstöður	Diğer standartlar veya spesifikasyonlar	Ostale norme i specifikacije
7	Gert hjá	Beyanın yeri :	U
8	Dagsetning	Beyanın tarihi :	Datum

HONDA**UK Declaration of Conformity**

1. The undersigned, Peter Neckebroeck, on behalf of the authorized representative, herewith declares that the machinery described below fulfils all the relevant provisions of:
- The Supply of Machinery (Safety) Regulations 2008
 - The Electromagnetic Compatibility Regulations 2016

2. Description of the machinery

- a) Generic denomination: All-terrain vehicle (ATV) not intended for use on public roads
b) Function: Transportation of persons

c) Commercial name	d) Type	e) Serial number
TRX420FM1	TE40	1HFTE40V*SJ100001~ 1HFTE40V*SJ199999
TRX420FM2	TE40	1HFTE40W*SJ100001~ 1HFTE40W*SJ199999
TRX420FA2	TE41	1HFTE41V*SJ100001~ 1HFTE41V*SJ199999

3. Manufacturer

American Honda Motor Co., Inc.
3721 NC HWY. 119
SWEPSNVILLE, NORTH CAROLINA 27359 U.S.A.

4. Authorized representative and able to compile the technical documentation

Honda Motor Europe Ltd
Cain Road, Bracknell, Berkshire,
RG12 1HL, United Kingdom

5. References to designated standards	6. Other standards or specifications
EN ISO14982:2009 EN 15997:2011/AC:2012	

7. Done at:

Aalst, Belgium

8. Date:

6 March 2024



Peter Neckebroeck
Head of Certification
Honda Motor Europe Ltd – Aalst Office

