CONTENTS

⚠SAFE OPERATION 1

SERVICING OF VEHICLE 1

SPECIFICATIONS 2
- SPECIFICATION TABLE 2
- TRAVELING SPEEDS 3

VEHICLE LIMITATIONS 4

INSTRUMENT PANEL AND CONTROLS 5
- LOCATION OF PARTS 5

PRE-OPERATION CHECK 9
- DAILY CHECK 9

OPERATING THE ENGINE 10
- STARTING THE ENGINE 10
  - Cold Weather Starting 12
- STOPPING THE ENGINE 12
- WARMING UP 12
- JUMP STARTING 13

OPERATING THE VEHICLE 14
- OPERATING NEW VEHICLE 14
  - Do not Operate the Vehicle at Full Speed for the First 50 Hours 14
  - Changing Lubricating Oil for New Vehicles 14
- STARTING 14
  - Seat Belt 14
  - Head Light Switch 15
  - Horn Button 15
  - Brake Pedal 16
  - Range Gear Shift Lever 16
  - 4WD Lever 17
  - Parking Brake Lever 17
  - Speed Control Pedal 17
- STOPPING 18
  - Stopping 18
- CHECK DURING DRIVING 18
  - Immediately Stop the Engine if: 18
  - Easy Checker(TM) 19
  - Fuel Gauge 19
  - Hourmeter 20
- PARKING 20
  - Parking Brake Lever 20
- ACCESSORY 21
  - 12V Electric Outlet 21
- OPERATING TECHNIQUES 21
  - Differential Lock 21
  - Unfamiliar Terrain 22

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

FOREWORD

You are now the proud owner of a KUBOTA Vehicle. This vehicle is a product of KUBOTA quality engineering and manufacturing. It is made of excellent materials and under a rigid quality control system. It will give you long, satisfactory service. To obtain the best use of your vehicle, please read this manual carefully. It will help you become familiar with the operation of the vehicle and contains many helpful hints about vehicle maintenance. This manual contains instructions for minor maintenance, but information about major repairs is outlined in the KUBOTA Work Shop Manual and should be performed only by a KUBOTA Dealer Technician. It is KUBOTA's policy to utilize as quickly as possible every advance in our research. The immediate use of new techniques in the manufacture of products may cause some small parts of this manual to become outdated. KUBOTA distributors and dealers will have the most up-to-date information. Please do not hesitate to consult with them.

SAFETY FIRST

This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on labels on the machine itself to warn of the possibility of personal injury. Read these instructions carefully. It is essential that you read the instructions and safety regulations before you attempt to assemble or use this unit.

DANGER :	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
WARNING :	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
CAUTION :	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
IMPORTANT :	Indicates that equipment or property damage could result if instructions are not followed.
NOTE :	Gives helpful information.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

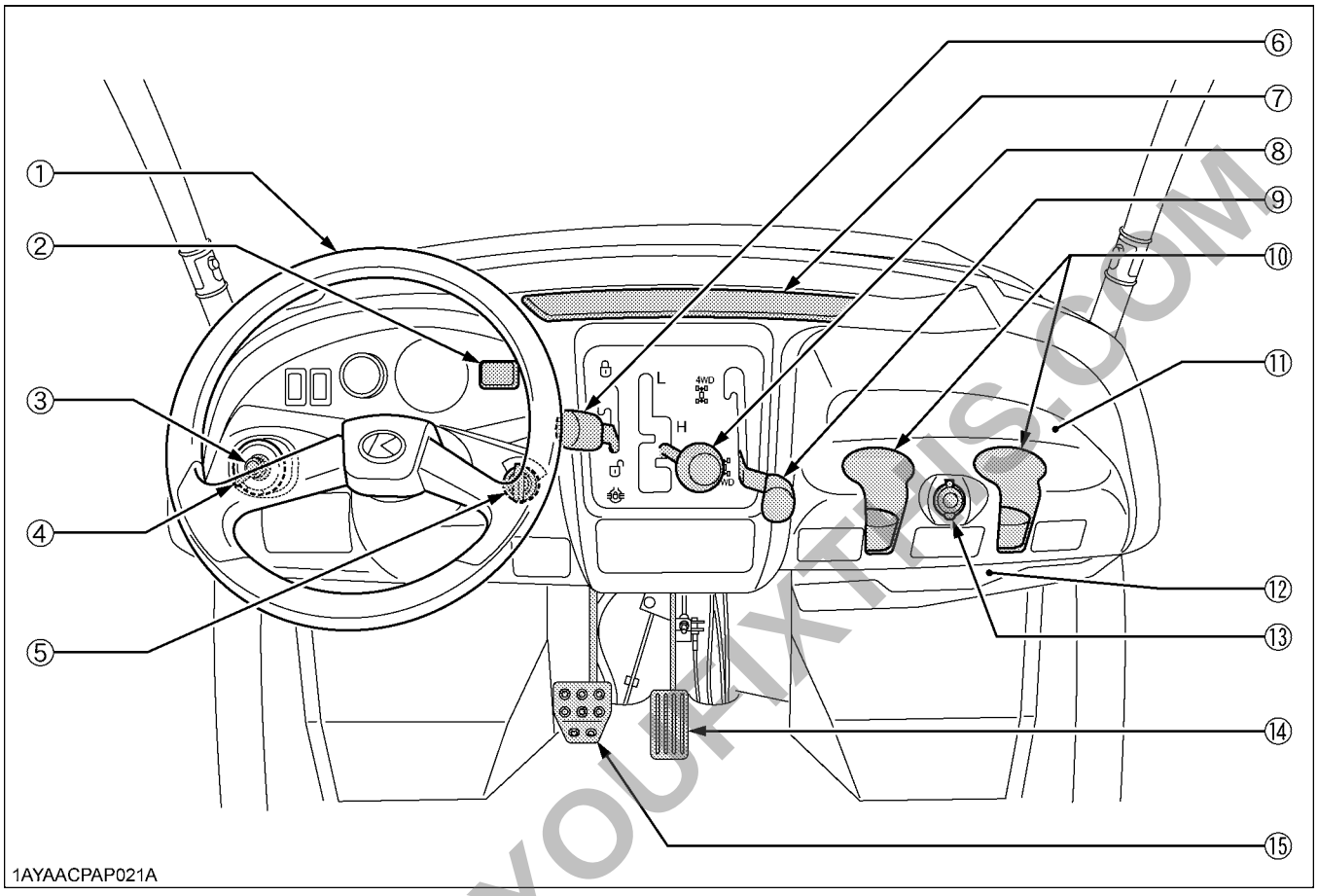
SPECIFICATIONS

SPECIFICATION TABLE

Model			RTV400Ci
Engine	Model		SUBARU GH4120
	Type		1 cylinder OHC, Air-cooled, EFI Gas
	Displacement	L (cu. in.)	0.404 (24.7)
Fuel Capacity		L (U.S.gals)	20 (5.3)
Transmission			Continuously variable transmission (CVT)
Wheels, Drive system			4, Rear 2WD or 4WD
Differential lock			Standard; hand operated with mechanical holder
Gear selection			Hi-Lo range forward, neutral, reverse
Brakes	Front / Rear		Dry disk brake
	Parking brake		Rear wheel, hand lever
Steering			Rack & Pinion
Suspension	Front		Independent, MacPherson strut-type
	Rear		Semi-independent, Multi-link
Dimensions	Length	mm (in.)	2690 (105.9)
	Width	mm (in.)	1390 (54.7)
	Height, overall	mm (in.)	1829 (72)
	Front tread centers	mm (in.)	1016 (40)
	Rear tread centers	mm (in.)	1041 (41)
	Wheelbase	mm (in.)	1800 (70.9)
	Ground clearance front axle	mm (in.)	205 (8.1)
	Ground clearance rear axle	mm (in.)	175 (6.9)
	Turning diameter	m (ft)	7 (22.9)
Max. rolling weight (Towing Capacity)		kg (lbs.)	Rear: 500 (1102) / Front: 250 (551)
Payload capacity		kg (lbs.)	480 (1058)
Weight		kg (lbs.)	565 (1246) with ATV Tires / 570 (1257) with HDWS Tires
Cargo bed	Width	mm (in.)	1032 (40.6)
	Length	mm (in.)	856 (33.7)
	Depth	mm (in.)	290 (11.4)
	Volume	m^3 (cu.ft.)	0.25 (9)
	Bed height (unloaded)	mm (in.)	810 (31.9)
	Max. cargo bed load	kg (lbs.)	200 (441)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



ILLUSTRATED CONTENTS

(1) Steering wheel..... --
(2) Hourmeter..... 20
(3) Horn button..... 15
(4) Head light switch..... 15
(5) Key switch..... --
(6) Differential lock lever..... 21
(7) Easy Checker(TM)..... 19
(8) Range gear shift lever..... 16
(9) 4WD lever..... 17
(10) Cup holder..... --
(11) Glove box..... --
(12) Operator's manual holder..... --
(13) 12V accessory plug..... 21
(14) Speed control pedal..... 17
(15) Brake pedal..... 16

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

OPERATING THE VEHICLE

OPERATING NEW VEHICLE

How a new vehicle is handled and maintained determines the life of the vehicle.

A new vehicle just off the factory production line has been, of course, tested, but the various parts are not accustomed to each other, so care should be taken to operate the vehicle for the first 50 hours at a slower speed and avoid excessive work or operation until the various parts become "broken-in." The manner in which the vehicle is handled during the "breaking-in" period greatly affects the life of your vehicle. Therefore, to obtain the maximum performance and the longest life of the vehicle, it is very important to properly break-in your vehicle. In handling a new vehicle, the following precautions should be observed.

■Do not Operate the Vehicle at Full Speed for the First 50 Hours

- Do not start quickly nor apply the brakes suddenly.
- In winter, operate the vehicle after fully warming up the engine.
- Do not run the engine at speeds faster than necessary.
- On rough roads, slow down to suitable speeds.

Do not operate the vehicle at fast speed. The above precautions are not limited only to new vehicles, but to all vehicles. But it should be especially observed in the case of new vehicles.

■Changing Lubricating Oil for New Vehicles

The lubricating oil is especially important in the case of a new vehicle. The various parts are not "broken-in" and are not accustomed to each other. Small pieces of metal grit may develop during the operation of the vehicle; and this may wear out or damage the parts. Therefore, care should be taken to change the lubricating oil a little earlier than would ordinarily be required. For further details of change interval hours, see "MAINTENANCE" section.

STARTING

1. Fasten the seat belt.

■Seat Belt

WARNING

To avoid personal injury:

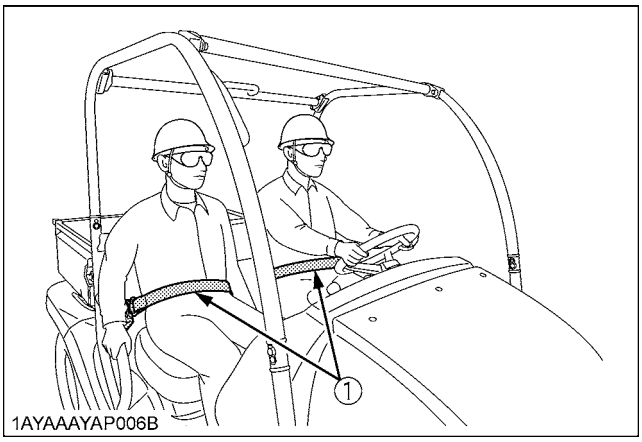
- **Seat belts reduce injury. Always wear your seat belts. The lap-style seat belts may not provide adequate protection for small children. Special care is recommended when carrying a child passenger.**

CAUTION

To avoid personal injury:

- **Always use the seat belts when operating and riding in the vehicle.**

Adjust the seat belts for proper fit and connect the buckle. This seat belt is an auto-locking retractable type.



(1) Seat belt

PREVIEW - YOUFIXTHIS.COM

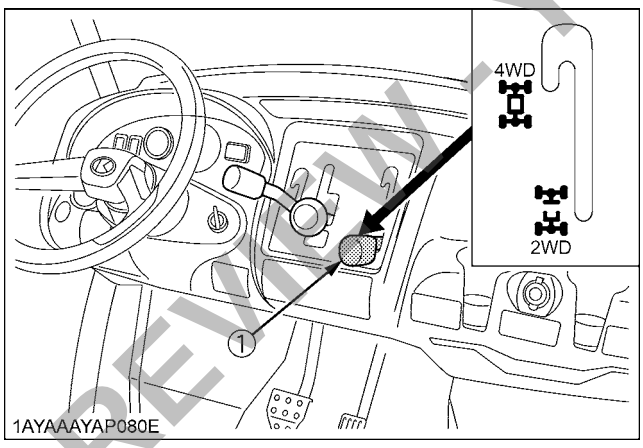
Download full manual at youfixthis.com

NOTE :
- Do not force the range gear shift lever. If it is difficult to shift the lever into "L", or "H" on slopes, be sure to apply the parking brake before starting the procedure.
  (1) Slightly depress the speed control pedal to rotate the gears inside of transmission.
  (2) Release the speed control pedal to the "NEUTRAL" position.
- An accident may occur with erratic shifting operation.
- Improper range gear shift lever position will cause the vehicle to momentarily coast on slopes.

■4WD Lever

CAUTION

To avoid personal injury:
- **Do not engage the front wheel drive when traveling at road speed.**
- **When driving on icy, wet or loose surfaces, make sure the vehicle is correctly ballasted to avoid skidding and loss of steering control. Operate at reduced speed and engage front wheel drive.**
- **An accident may occur if the vehicle is suddenly braked, such as by heavy towed loads shifting forward causing loss of control.**
- **The braking characteristics are different between two and four wheel drive. Be aware of the difference and use carefully.**



(1) 4WD lever
"4WD"
"2WD"

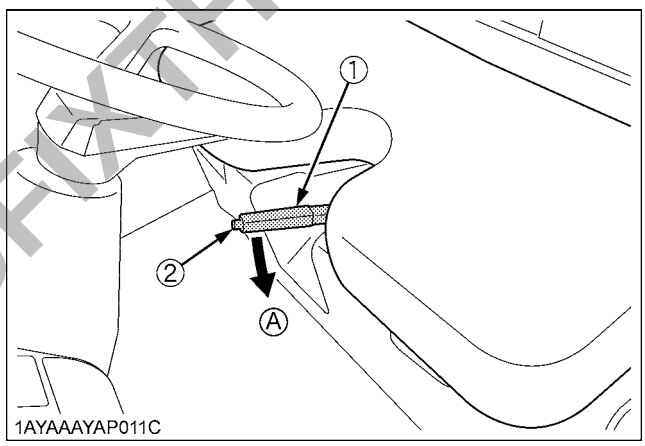
IMPORTANT :
- Use the lever to engage the front wheels with the vehicle stopped. Shift the lever to "4WD" to engage the front wheel drive.
- Tires will wear quickly if front wheel drive is engaged on paved roads.
- If the 4WD lever is difficult to shift to "2WD", stop the vehicle, turn the steering wheel in both directions and then move the lever.

◆ **Front wheel drive is effective for the following jobs:**
1. When greater pulling force is needed, such as working in a wet field, when pulling a trailer, or when working with a front-end blade.
2. When working in sandy soil.
3. When working on snow-covered terrains.

5. Unlock the parking brake and start slowly.

■Parking Brake Lever

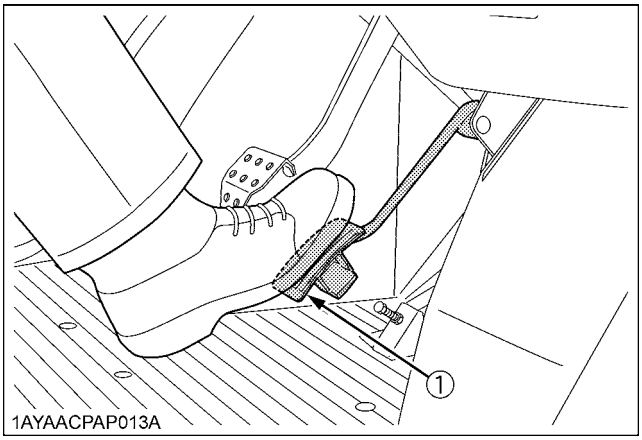
To release the parking brake, depress the brake pedal, push release button and push down parking brake lever. Make sure that indicator in the Easy Checker(TM) goes off.



(1) Parking brake lever
(2) Release button
(A) "RELEASE"

■Speed Control Pedal

Use the speed control pedal when traveling. Push down on it for higher speed.



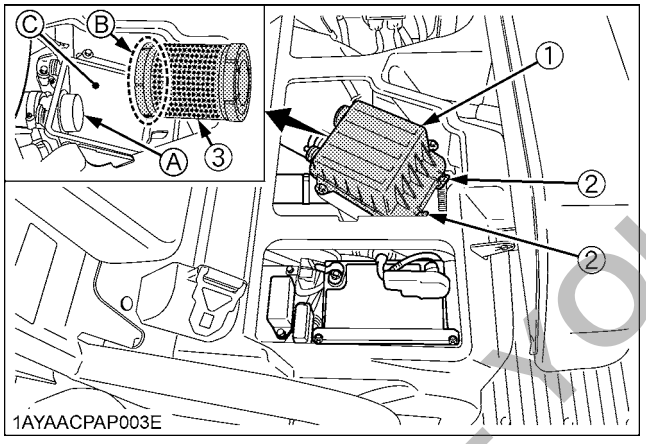
(1) Speed control pedal

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

■Cleaning Engine Air Cleaner Element

1. Remove the air cleaner cover.
2. Blow compressed air to the end of the element and inside the air cleaner with care not to allow dust into the intake air inlet.
3. Remove the air cleaner element.
4. Clean the element:
   (1) When dry dust adheres to the element, blow compressed air from the inside, turning the element. Pressure of compressed air must be under 205 kPa (2.1 kgf/cm², 30 psi).
   (2) When carbon or oil adheres to the element, replace the element with new one even if it has not been used for 1 year.
5. Replace the element:
   Once yearly or after every sixth cleaning, whichever comes first.

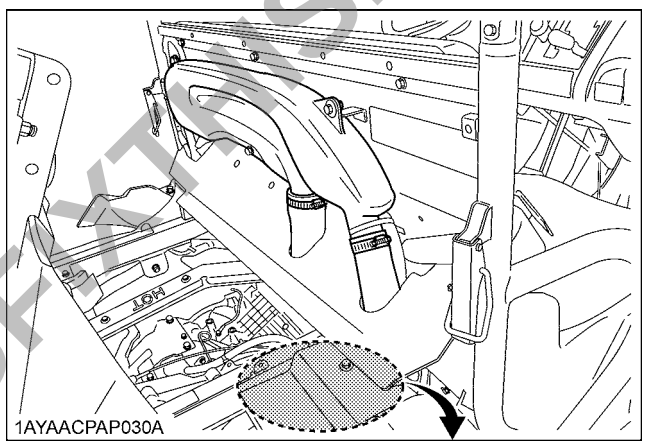


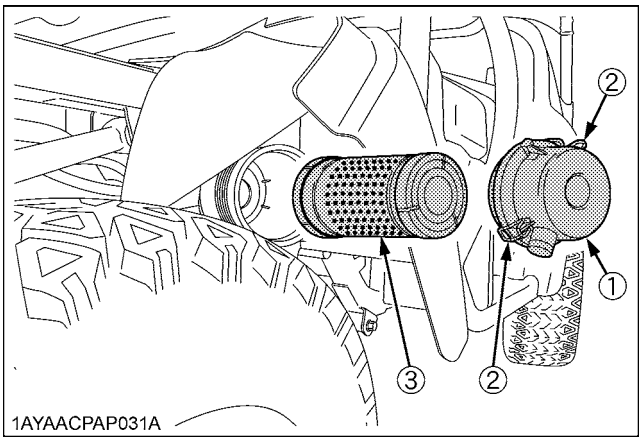
(1) Cover
(2) Clamp
(3) Element
(A) Intake air inlet
(B) Element end
(C) Air cleaner inside

IMPORTANT :
- The air cleaner uses a dry element, never apply oil.
- Do not run the engine with filter element removed.
- When removing and installing the element, be careful not to allow dust into the intake air inlet.

■Cleaning CVT Air Cleaner Element

1. Remove the air cleaner cover and element.
2. Clean the element:
   (1) When dry dust adheres to the element, blow compressed air from the inside, turning the element. Pressure of compressed air must be under 205 kPa (2.1 kgf/cm², 30 psi).
   (2) When carbon or oil adheres to the element, replace the element with new one even if it has not been used for 1 year.
3. Replace the element:
   Once yearly or after every sixth cleaning, whichever comes first.





(1) Cover
(2) Clamp
(3) Element

IMPORTANT :
- The air cleaner uses a dry element, never apply oil.
- Do not run the engine with filter element removed.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TROUBLESHOOTING

ENGINE TROUBLESHOOTING

If something is wrong with the engine, refer to the table below for the cause and its corrective measure.

Trouble	Cause	Countermeasure
Engine is difficult to start or will not start.	● The range shift lever not in the proper position.	● Make sure the range shift lever is in "NEUTRAL" position.
	● Key switch is not in the proper position.	● Make sure key switch is in "ON" position.
	● No fuel.	● Replenish fuel.
	● Improper or stale fuel. (Fuel quality is poor.)	● Replace fuel and consult your KUBOTA Dealer.
	● Water or dirt in the fuel system.	● Replace fuel and consult your KUBOTA Dealer.
	● Fuel hose or fuel filter clogged or damaged.	● Clean or replace fuel lines, and consult your KUBOTA Dealer.
	● Air cleaner is clogged.	● Clean or replace the air cleaner element.
	● Spark plug defective.	● Adjust the spark plug gap or replace the spark plug.
		● Check the spark plug wire connection.
	● Fuse is blown.	● Replace the fuse.
	● Engine oil viscosity is wrong.	● Use oils of different viscosities, depending on ambient temperature.
	● Battery becomes weak and the engine does not turn over quick enough.	● Clean battery cables and terminals.
		● Charge the battery.
		● In cold weather, always remove the battery from the engine, charge and store it indoors. Install it on the machine only when the machine is going to be used.
Insufficient engine power.	● Insufficient or dirty fuel.	● Check the fuel system.
	● Air cleaner is clogged.	● Clean or replace the air cleaner element.
	● Spark plug defective.	● Adjust the spark plug gap or replace it.
Engine stops suddenly.	● Insufficient fuel.	● Refuel.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 8 of 91 pages

The full manual includes:

- All 91 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Kubota RTV400Ci Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual