⚠ SAFE OPERATION

Careful operation is your best insurance against an accident.

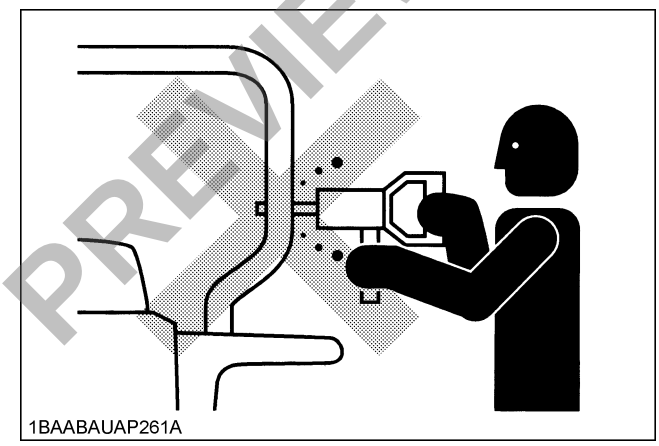
Read and understand this section carefully, before operating the machine.

Every user, however experienced, should carefully read and understand this section and those of the attachments and accessories before taking the machine into operation. The owner is obliged to inform the operators of these instructions in detail.

Keep this manual in the storage place. (See "Where to keep Operator's Manual" in "MAINTENANCE" section.)

1. BEFORE OPERATION

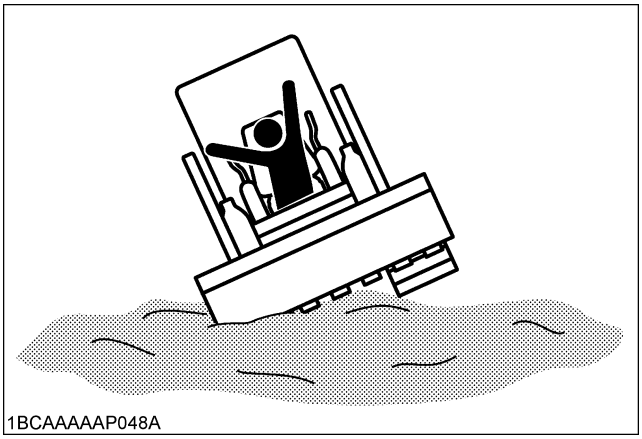
1. Know your equipment and its limitations. Read and understand this entire manual before attempting to start and operate the machine.
2. Obey the danger, warning and caution labels on the machine.
3. For your safety, a ROPS/FOPS (Roll-Over Protective Structure/Falling Objects Protective Structure) with a seat belt is installed by KUBOTA. Always use the seat belt when the machine is equipped with the ROPS/FOPS as this combination will reduce the risk of personal injury or death, should the machine be upset. Do not modify structural members of ROPS by welding, drilling, bending, grinding or cutting, as this may weaken the structure. If any component is damaged, replace it. Do not attempt repairs. If the ROPS is loosened or removed for any reason, make sure all parts are reinstalled correctly. Tighten mounting bolts to proper torque.


1BAABAUAP261A

4. The ROPS/FOPS structure complies with ISO 3471, ISO 3449 and OSHA regulations.
5. The seat belt must be inspected regularly and replaced if frayed or damaged.


1BCAAAAAP045A

6. Always sit in the operator's seat when starting the engine or operating the levers or controls.
7. Do not operate the machine while under the influence of alcohol, medication, controlled substances or while fatigued.
8. Check the surrounding area carefully before using the machine or when attachments are being connected. To avoid any danger of electrocution, never operate the machine near power lines before confirming the power is off and all local and national safety regulations. Never approach a machine or load that is contacting a power source such as power lines. Electrocution can occur by coming into contact with a machine that is near power lines.
9. Check for buried pipes and cables before digging.
10. Check for hidden holes, obstacles, soft underground, and overhangs. Do not enter soft ground.
    - During machine use, do not allow any persons within the working range.

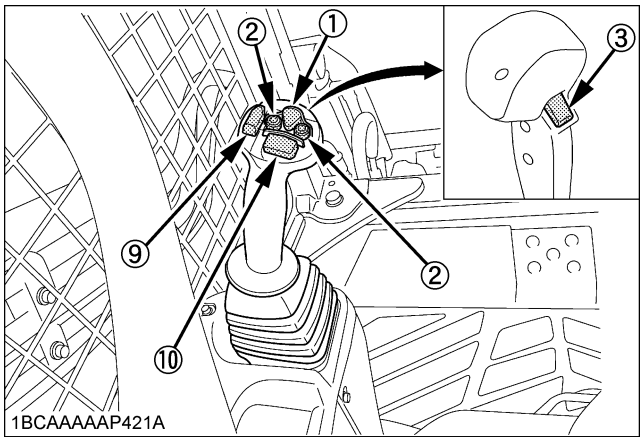

1BCAAAAAP048A

PREVIEW - YOUFIXTHIS.COM

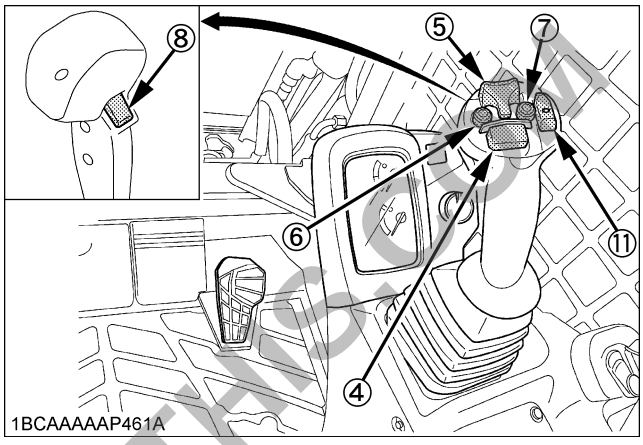
Download full manual at youfixthis.com

INSTRUMENT PANEL AND CONTROL ELEMENTS

■ Switch



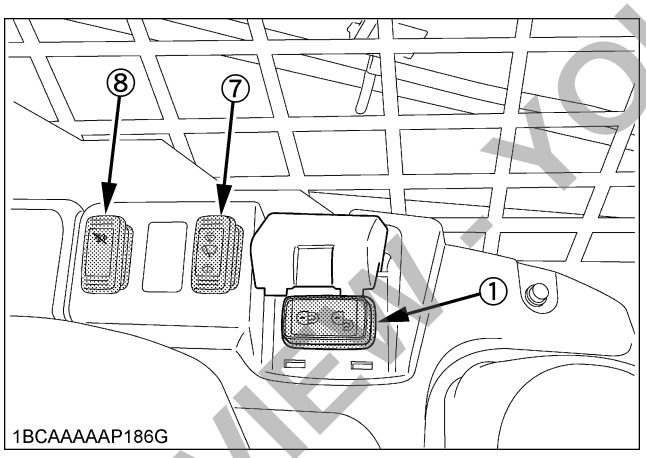
1BCAAAAAP421A



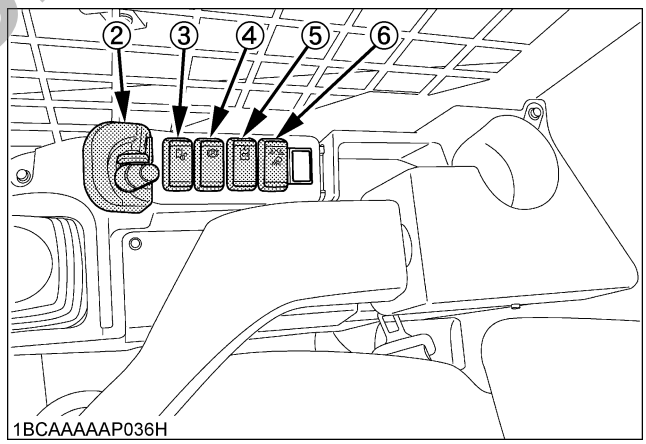
1BCAAAAAP461A

DEPICTED CONTENTS
(1) Horn switch
(2) AUX electrical control switch
(3) Travel speed switch
(4) AUX electrical control switch
(5) AUX port variable switch
(6) AUX hold switch (Left)
(7) AUX hold switch (Right)
(8) Float switch
(9) Blank

[Multi Function model only]
(10) AUX electrical control switch
(11) AUX electrical mode change switch



1BCAAAAAP186G



1BCAAAAAP036H

DEPICTED CONTENTS
(1) Hydraulic quick-hitch switch
(Hydraulic quick-hitch model only)
(2) Starter switch
(3) Hydraulic unlock switch
(4) Parking brake switch
(5) AUX port switch
(6) Working light switch
(7) Wiper / washer switch
(Closed cab model)
(8) Inhibit Switch

PREVIEW - YOUFIXTHIS.COM

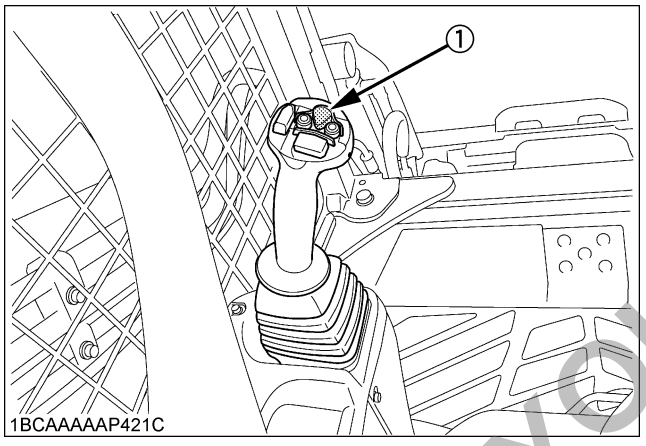
Download full manual at youfixthis.com

OPERATION OF THE ENGINE

CAUTION

To avoid personal injury:

- **To avoid the danger of exhaust fume poisoning, do not operate the machine in a closed building without proper ventilation.**
- **Always start the engine from the operator's seat. Do not start the engine while standing next to the machine. Before starting the engine, sound the horn to get the attention of persons standing nearby.**



(1) Horn switch

IMPORTANT :

- Do not use starting fluid or ether.
- In order not to overload the battery and starter, avoid start-ups of more than 10 sec.
- When engine does not start in 10 sec., please wait 20 sec. or more, before attempting to restart.

STARTING THE ENGINE

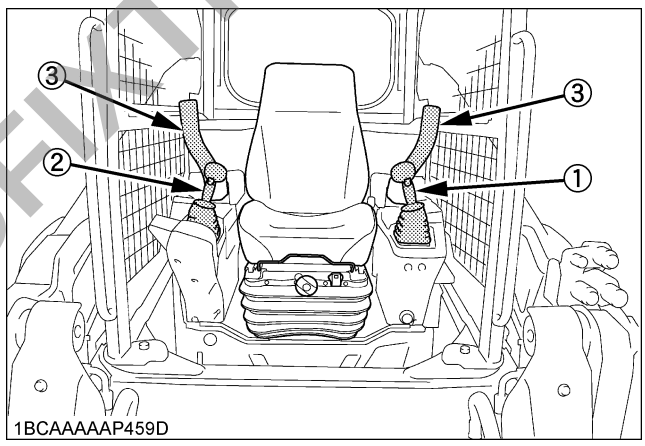
CAUTION

To avoid personal injury:

- **The operator should not depend solely on the warning lamps, but should always conduct the routine checks section (see "MAINTENANCE" section).**

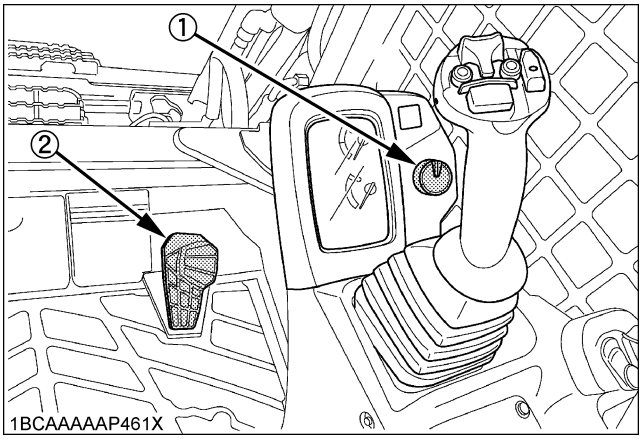
Start the engine in the following manner:

1. Before starting the engine, make sure that the armrests are in the "Raised" position and the control levers are in their neutral position and the seat belt is fastened correctly.



(1) Left control (traveling) lever
(2) Right (front operating) lever
(3) Armrest

2. Set the engine speed control dial to 1/2 position and keep the accelerator pedal free.



(1) Engine speed control dial
(2) Accelerator pedal

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

MECHANICAL QUICK-HITCH

■Attaching Attachments

This machine utilizes a quick-hitch for easy connection and disconnection of various attachments.
By replacing the front attachments, this machine can be used in agriculture, raising stock, landscaping, gardening and snow removal as well as general civil engineering and construction work.

DANGER

To avoid personal injury or death:

- **Use of attachments that do not comply with ISO24410 or the improper positioning of lever(s) or non-protrusion of pin(s) may result in detachment of the attachment or deformation, causing loss of performance, personal injury or death.**

WARNING

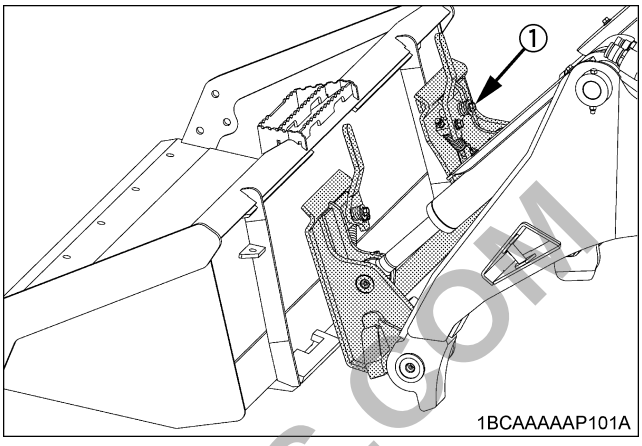
To avoid personal injury or death:

- **After doing these procedures, make sure the attachment is securely attached to the quick-hitch, or the attachment may be detached.**
- **When handling the control lever, you should do it after setting the change lever to the neutral position and the parking brake switch to the parking position, lowering the lift arm, locking all control levers in neutral position.**

NOTE :

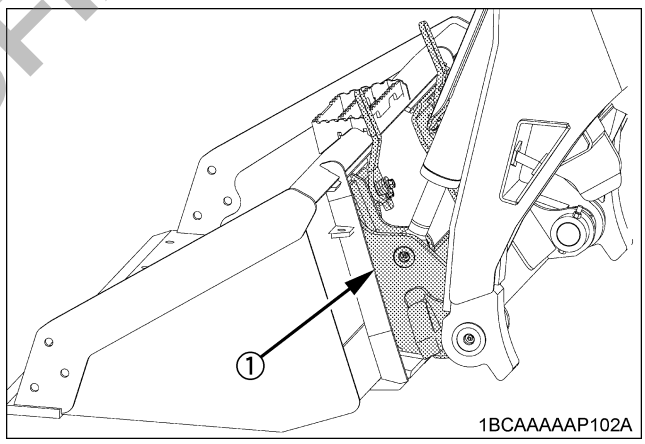
- Attachments should be located on a level, firm surface when attaching and detaching them from the quick-hitch.

1. To mount an attachment, pull the levers of the quick-hitch lock pins to the "UNLOCKED" position. The quick-hitch levers must be all the way up to ensure that the lock pins are fully retracted.
2. Position the machine squarely in front of the attachment and tilt the quick-hitch forward with the tilt cylinders.



(1) Quick-hitch

3. Ease the quick-hitch mounting plate into the saddle of the attachment.
4. Roll the quick-hitch back using the tilt cylinders and raise the lift arms slightly. The back of the attachment should rest against the front of the quick-hitch mounting plate and the weight of the attachment should be supported by the lift arms.



(1) Quick-hitch

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TRANSPORTING THE MACHINE

DANGER

To avoid personal injury or death:

- **Make sure the ramps load capacity is greater than the machine and attachment weight.**
- **Make sure the ramps are clean, not damaged and properly secured to the transport bed.**
- **Position the machine so that the heaviest end of the machine is going up the ramps first.**
- **No directional changes should be made when the machine is on the ramp. Should a change of direction be necessary, drive off the ramp completely and make the turn.**
- **When the machine reaches the point between the ramps and the bed, move very slowly until the machine reaches the horizontal position on the bed.**

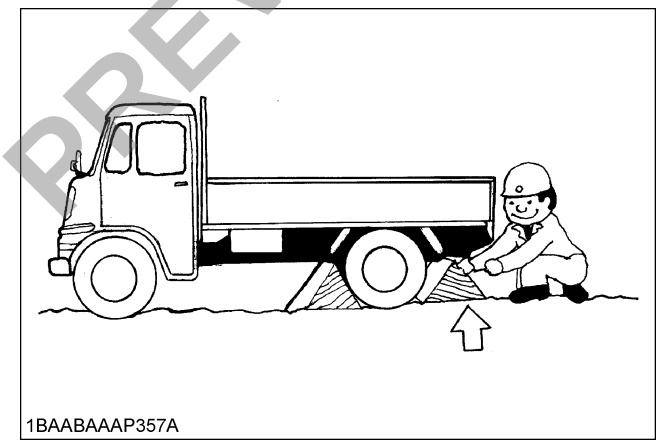
LOADING THE MACHINE ON A TRANSPORT VEHICLE

WARNING

To avoid personal injury or death:

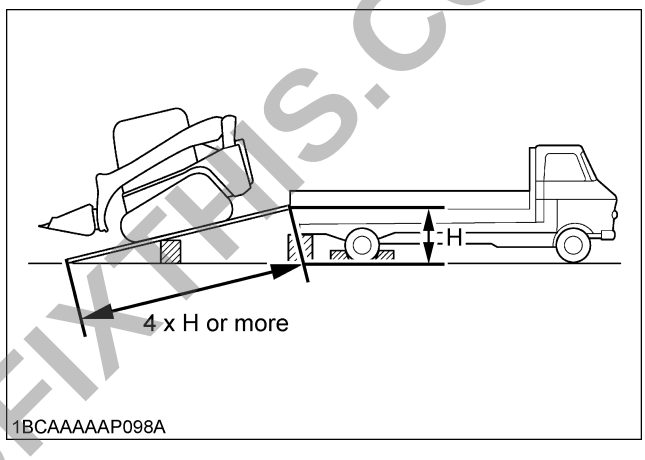
- **When preparing to load or unload the machine, follow the below steps;**

1) Use a truck and trailer with sufficient size and weight capacity to transport the machine with attachment. Use of truck or trailer with an underrated capacity can cause unpredictable handling and loss of control. Always comply with government transportation laws and regulations.
2) Apply the parking brakes on the truck, and block the drive wheels both sides as shown below.



1BAABAAAP357A

3) Use mounting brackets to secure ramps properly to the truck or trailer.
4) Determine and use the correct length of ramps to avoid a steep angle of approach as shown below.
5) If necessary, support the rear end of the bed to prevent the truck / trailer front from rising.



1BCAAAAAP098A

6) Align the machine with the ramps before traveling on ramps and if the ramps are wet, use caution during loading.
7) Load the machine with empty bucket or no attachment installed, and with the rear of machine going up the ramp first.
8) If the bucket or attachment is installed, avoid the bucket or attachment contact with ramps during travel.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

MAINTENANCE

CAUTION

To avoid personal injury:

- **Before doing maintenance work on the machine, place the machine on a firm, flat and level surface, lower the lift arms slowly to the ground, stop the engine.**

Whether the machine is properly lubricated and maintained directly determines the trouble frequency and service life of the machine. Periodically check and maintain your machine, and you will find in the long run that the jobs can be finished earlier and more economically.

Shown in the Service Interval Chart below are the hours indicated on the hourmeter, practically, it will be convenient to schedule the time of inspection and maintenance according to the calendar (day, week, month) on the basis of the chart. If the machine is used in harder-than-usual working conditions, it must be checked and maintained at shorter intervals.

MAINTENANCE INTERVALS

No.	Check points		Measures	Hour meter indicator							Interval	Ref. page	
				50	250	500	1000	1500	2000	3000			
1	Coolant		check	Daily check							(every 10 hrs)	62	
			change								every 2 years	82	
2	Fuel		check	Daily check							(every 10 hrs)	62	
3	Engine oil		check	Daily check							(every 10 hrs)	63	
			change		○	○	○	○	○	○	every 250 hrs	76	
4	Hydraulic oil		check	Daily check							(every 10 hrs)	63	
			change				○		○	○	every 1000 hrs	79	*1
5	Greasing		grease	Daily check							(every 10 hrs)	64	
6	Radiator and oil cooler		check	Daily check							(every 10 hrs)	64	
7	Engine and electrical wiring		check	Daily check							(every 10 hrs)	64	
8	V-belt tension		check	Daily check							(every 10 hrs)	65	
			adjust		○	○	○	○	○	○	every 250 hrs	72	
9	Water separator		drain	Daily check							(every 10 hrs)	65	
10	Evacuator valve		check	Daily check							(every 10 hrs)	65	
			clean	○	○	○	○	○	○	○	every 50 hrs	65	
11	DPF muffler		check	Daily check							(every 10 hrs)	66	
12	Washer liquid		check	Daily check							(every 10 hrs)	66	
13	Battery condition		check	Daily check							(every 10 hrs)	66	
14	Fuel tank cap		clean	Daily check							(every 10 hrs)	68	
15	Fuel tank		drain	○	○	○	○	○	○	○	every 50 hrs	69	
16	Track tension		check	○	○	○	○	○	○	○	every 50 hrs	69	
17	Air cleaner element	Outer element	clean	○	○	○	○	○	○	○	every 50 hrs	70	*2
			replace		○	○	○	○	○	○	every 250 hrs	74	*2
		Inner element	replace		○	○	○	○	○	○	every 250 hrs	74	*2
18	Radiator hoses and clamps		check		○	○	○	○	○	○	every 250 hrs	72	
			replace								every 2 years	83	

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

TROUBLESHOOTING

If the machine does not perform as expected, or if trouble arises, refer to the table below undertake the appropriate measures.

Trouble		Cause	Countermeasure
Engine	Starting difficulties	Fuel is too viscous.	* Check fuel tank and filter. * Remove impurities and water. * If necessary, replace filter.
		Air or water in the fuel system	* Remove water from the fuel tank. * Check fuel pipe joint bolts and nuts for looseness. * Purging of the fuel system (for fuel filter and supply pump, see "PURGING OF THE FUEL SYSTEM" in . "OTHER ADJUSTMENTS AND REPLACEMENTS" section.)
		Fuse is blown out.	* Check the fuse and replace it with a same-capacity one as required.
		Oil viscosity is too high the engine runs sluggishly in winter.	* Use the engine block heater (option).
		Battery is almost dead; insufficient compression.	* Recharge battery.
	Insufficient engine power	Low fuel level	* Check fuel and add if necessary.
		Clogged air cleaner	* Clean the air cleaner element.
	Engine suddenly stops.	Low fuel level	* Check fuel and add if necessary. * Purge the fuel system.
	Abnormal exhaust gas color	Poor fuel	* Use high quality fuel.
		Too much engine oil	* Drain engine oil to prescribed oil level.
	Water temperature in red zone (Overheating)	Defective seal of the water pump	* Replace.
		Worn or torn V-belt	* Adjust or replace.
		Thermostat is defective.	* Replace.
		Coolant level too low	* Fill to prescribed level.
		Radiator grill or fins are clogged.	* Clean.
		Coolant is contaminated with rust from the cylinder head or crank case.	* Replace coolant fluid and add anti-rust.
		Defective radiator cap (Evaporation)	* Replace.
		Corroded coolant pipes	* Clean.
		Continuous operation under full load	* Reduce load.
		Cylinder head gasket is damaged (Coolant loss).	* Replace.
		Engine oil level too low	* Fill to prescribed level.
		Maladjustment of fuel injection	* Readjust ignition timing.
		Use of poor fuel	* Use prescribed fuel.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

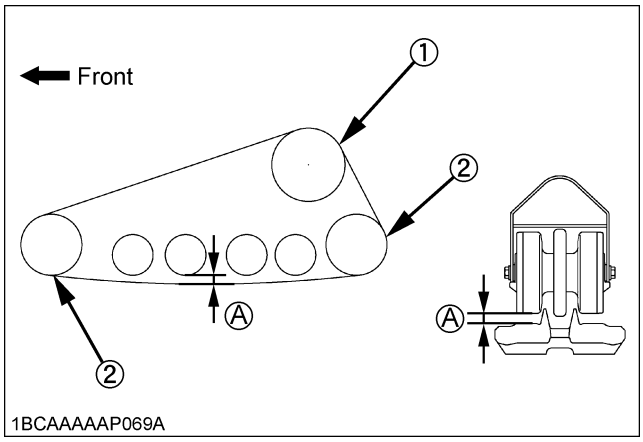
List of Error Code Numbers

◎ : Sure to happen ○ : May happen

Error Code Number	Problem or Failure	Machine condition				Provisional measure and Correction
		Engine performance			Machine performance	
		Accele-ration limited	Engine output limited	Engine stopped		
E: 001	CAN communication	-	-	-	---	Immediately contact your local dealer.
E: 005	Hydraulic oil temperature has reached a specified level.	-	-	-	---	Stop the engine and check the level in the hydraulic oil tank and for a hydraulic oil leak. Fill to proper level. If this error code number still appears,immediately contact your local dealer.
E: 008	Fuel sensor system	-	-	-	The fuel level indicator does not appear on the meter. The machine's other functions are still operative.	Immediately contact your local dealer.
E: 009	Acceleration system	-	-	-	The accelerator fails, but the machine's other functions are still operative.The machine is operative at the idling rpm.	Move the machine to a place suited for repair.Immediately contact your local dealer.
E: 010	High-speed switching system	-	-	-	The machine still runs at low speed without switching to high speed. The machine's other functions are still operative.	Immediately contact your local dealer.
E: 011	Parking brake system	-	-	-	The machine fails to move.	Immediately contact your local dealer.
E: 012	Float switching system	-	-	-	The float mode is not turned on. The machine's other functions are still operative.	Immediately contact your local dealer.
E: 013	Hydraulic lock system	-	-	-	The attachment fails to function, but the machine can move.	Move the machine to a place suited for repair.Immediately contact your local dealer.
E: 014	Hydraulic oil temperature is below a specified level.	-	-	-	The AUX high flow range is not available.	Raise the hydraulic oil temperature. And then if this error code is not solved, immediately contact your local dealer.
E: 015	Hydraulic quick-hitch system	-	-	-	The hydraulic quick-hitch system is not turned on. The machine's other functions are still operative.	Immediately contact your local dealer.
E: 016	Auxiliary hydraulic control system (Control switch on the knob)	-	-	-	The auxiliary hydraulic control system is not turned on. The machine's other functions are still operative.	Immediately contact your local dealer.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



(1) Drive sprocket
(2) Idler

2. If necessary, adjust the tension.

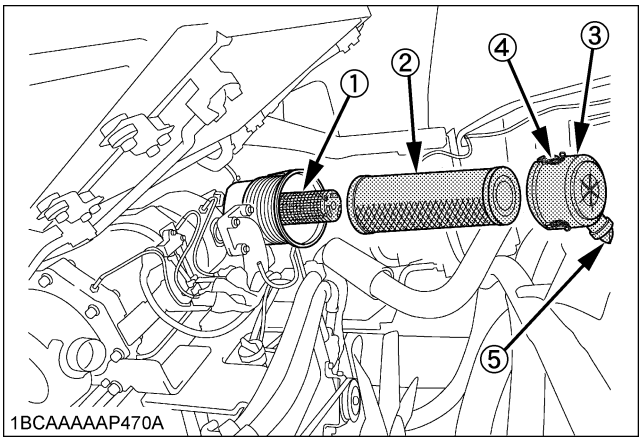
(A)	20 to 30 mm

IMPORTANT :
- Make sure that no obstacles, such as stones are caught in the track. Remove such obstacles before adjusting the track tension. (See "ADJUSTMENT OF TRACKS" in "OTHER ADJUSTMENTS AND REPLACEMENTS" section.)

■Checking Air Cleaner Element

Open the rear door and remove the dust-cover. Take out only outer element, clean the element, case inside and evacuator valve. Wipe the case inside, and reassemble them. During reassembly, take care to install the dust-cover so that its TOP mark (arrow) faces up-wards. Do not remove the inner element.

IMPORTANT :
- Should the machine be used in extremely dusty areas, the air cleaner element must be inspected and cleaned more frequently than in the specified maintenance periods.
- The air cleaner has a dry element, keep away from oil.
- Do not run the engine without the air cleaner.
- Once every 250 hours or after every sixth cleaning, whichever comes first, replace the air cleaner elements.
- Do not remove the inner element. If removed, replace it with new one.
  (See "Replacing Air Cleaner Element" in "EVERY 250 SERVICE HOURS" in "REGULAR CHECKS AND MAINTENANCE WORK" section.)
- Clean up the case inside with clean wet cloth. After cleaning, wipe it dry with clean dry cloth.
- Do not blow air to clean the case inside. It allows dust come into the inner element.



(1) Inner element
(2) Outer element
(3) Dust-cover
(4) Clamps
(5) Evacuator valve

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

STARTING THE ENGINE UNDER COLD CONDITIONS

CAUTION

To avoid personal injury:

- **Make sure that the armrests are in the "Raised" position during warm up.**

Start the engine in the following manner;

1. Turn the starter switch to the "RUN" position (glow position) and hold until the indicator lamp has gone out.
2. Move the starter switch to the "START" position; to crank and start engine.
3. Release the starter switch after the engine has started; it will automatically return to the "RUN " position.

IMPORTANT :

- Let the engine warm up after start-up for approx. 10 minutes under no load conditions. If the hydraulic fluid temperature is too low, the operations or the function of the pressure sensors will be affected.
  Do not operate the machine under full load before the engine has warmed up enough.

STOPPING THE ENGINE

WARNING

To avoid personal injury or death:

- **Do not keep the bucket or attachments in the lifted position, as a person could accidentally touch the levers and cause serious accidents.**
- **Place the machine on the flat ground.**

1. After slowing the engine to idle, wait 3 to 5 minutes for turbo to slow down and then turn the key to "STOP" position.
2. Remove the key.

IMPORTANT :

- Do not stop the engine by shutting down the battery power directly.
  Doing so may cause failure or malfunction.

STARTING WITH AN AUXILIARY BATTERY

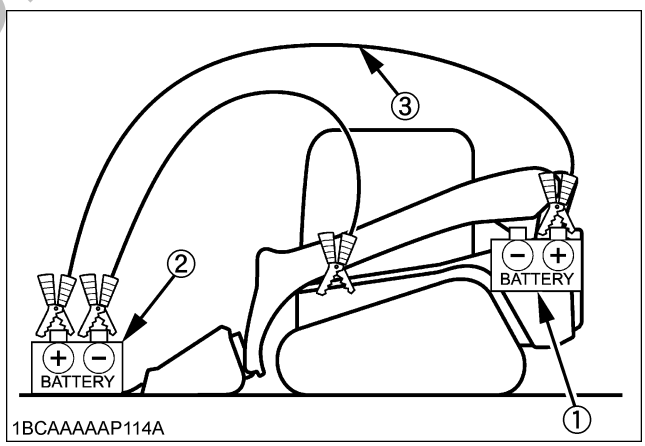
CAUTION

To avoid personal injury:

- **Battery gases can explode.**
  Do not smoke and keep sparks and flames away.
- **Do not start the engine with an auxiliary battery if machine battery is frozen.**
- **Do not connect the black jumper cable to the negative (-) terminal of the machine battery.**

■Observe Following Guidelines when Starting with an Auxiliary Battery

1. Bring the helping machine with the same battery voltage as near as possible to the machine.
   THE MACHINES MUST NOT COME IN CONTACT WITH EACH OTHER.
2. Bring the levers and pedal of both machines in the neutral position.
3. Wear eye protection and rubber gloves.
4. Ensure the vent caps are securely in place (if equipped).
5. Connect the terminal of the red jumper cable with the plus (+) terminal of the low battery and connect the other end of the cable to the plus (+) terminal of the auxiliary battery.
6. Connect the black negative cable to the minus (-) terminal of the auxiliary battery.
7. Connect the other end of the black cable (coming from the auxiliary battery) to the conductive part of the machine frame as far away as possible from the low battery.
8. Start the engine of the helping machine and let it run for a while. Start the machine with the low battery.
9. Disconnect the jumper cables in the reverse sequence.



(1) Low battery
(2) Auxiliary battery
(3) Jumper cables

IMPORTANT :

- This machine has a negative (-) ground 12 Volt starting system.
- Only use the same voltage when using an auxiliary battery.
- Using a higher voltage will cause serious damage to the electrical system. When using an auxiliary battery, only the compatible (same) voltage is permissible.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

FOREWORD

You are now the proud owner of a KUBOTA CTL. This machine is a product of KUBOTA quality engineering and manufacturing. It is made of fine materials and under a rigid quality control system. It will give you long, satisfactory service. To obtain the best use of your machine, please read this manual carefully. It will help you become familiar with the operation of the machine and contains many helpful hints about machine maintenance. 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 sections 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.

PREVIEW - YOUFIXTHIS.COM

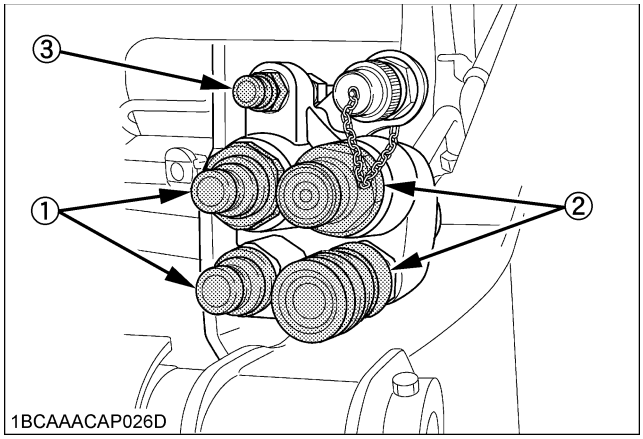
SAFETY FIRST

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, could result in minor or moderate injury.
IMPORTANT :	Indicates that equipment or property damage could result if instructions are not followed.
NOTE :	Gives helpful information.

Download full manual at youfixthis.com

6. If the tank must be drained, depending on an attachment in use, use the male case drain port.



(1) Male port
(2) Female port
(3) Male case drain port

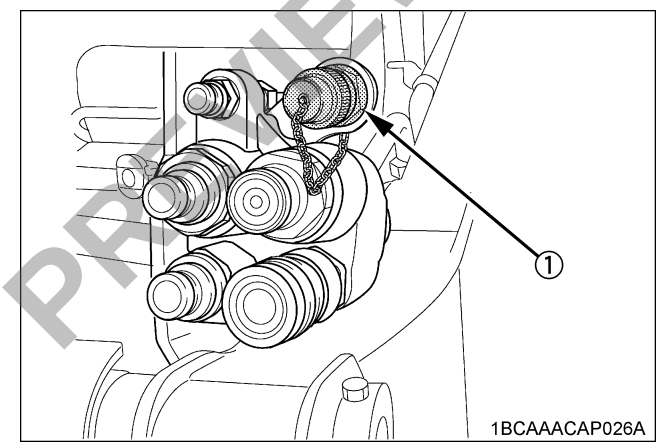
ATTACHMENT CONTROL DEVICE (OPTION)

This option is used to feed electrical power for an attachment (to drive a valve, for instance).
With the AUX port ready for use, power can be supplied.
K: +12V and B: GND of the 14-pin coupler attached on the arm (see below)

NOTE :
- The K (+12V) of the 14-pin coupler turns on when the starter switch is in "RUN" position.

◆ Operation

Press the numbered electrical control switch on the left or right lever that corresponds with the desired valve function, to be powered at +12V

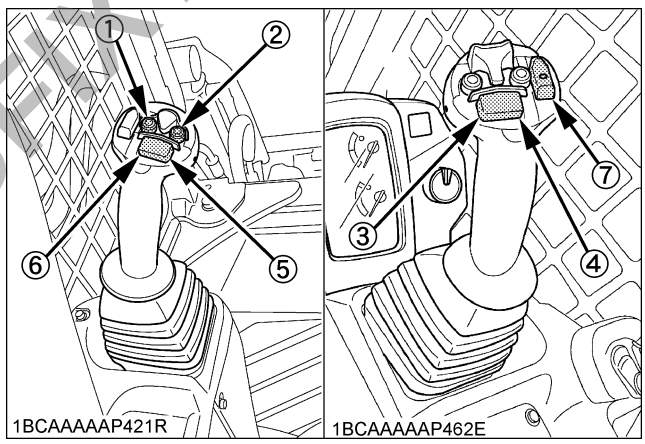


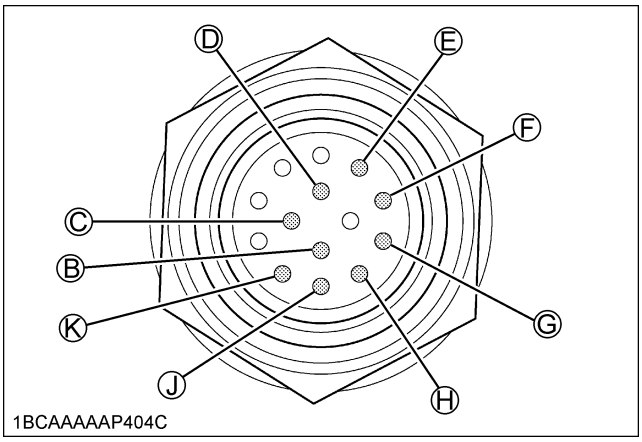
(1) 14-pin coupler

◆ 14-pin coupler harness connection chart

REF. No.	Pin Port	REMARKS
-	B	GND
1	C	AUX 1st func.
2	D	AUX 1st func.
3	E	AUX 2nd func.
4	F	AUX 2nd func.
5	G	AUX 3rd func.
6	H	AUX 3rd func.
7	J	AUX electrical mode change
-	K	+12 V

REF. No. means the same number of switches of next figure.





NOTE :
- AUX 3rd func. is momentaly action.
- AUX electrical mode change is alternate action.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 12 of 129 pages

The full manual includes:

- All 129 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Kubota SVL75-2 Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual