Kubota

U.S.A. : **KUBOTA TRACTOR CORPORATION**
1000 Kubota Drive, Grapevine, TX 76051
Telephone : 888-4KUBOTA

Canada : **KUBOTA CANADA LTD.**
5900 14th Avenue, Markham, Ontario, L3S 4K4, Canada
Telephone : (905)294-7477

France : **KUBOTA EUROPE S.A.S**
19-25, Rue Jules Vercruysse, Z.I. BP88, 95101 Argenteuil Cedex, France
Telephone : (33)1-3426-3434

Italy : **KUBOTA EUROPE S.A.S Italy Branch**
Via Grandi, 29 20068 Peschiera Borrome (MI) Italy
Telephone : (39)02-51650377

Germany : **KUBOTA BAUMASCHINEN GmbH**
Steinhauser str, 100, 66482 Zweibrucken Rheinlandpfalz Germany
Telephone : (49)6332-4870100

U.K. : **KUBOTA (U.K.) LTD.**
Dormer Road, Thame, Oxfordshire, OX9 3UN, U.K.
Telephone : (44)1844-214500

Australia : **KUBOTA AUSTRALIA PTY LTD.**
25-29 Permas Way, Truganina, VIC 3029, Australia
Telephone : (61)-3-9394-4400

Malaysia : **KUBOTA MALAYSIA SDN. BHD.**
No.3 Jalan Sepadu 25/123 Taman Perindustrian Axis,
Seksyen 25, 40400 Shah Alam, Selangor Darul Ehsan Malaysia
Telephone : (60)3-736-1388

Philippines : **KUBOTA PHILIPPINES, INC.**
232 Quirino Highway, Baesa, Quezon City 1106, Philippines
Telephone : (63)2-422-3500

Taiwan : **SHIN TAIWAN AGRICULTURAL MACHINERY CO., LTD.**
16, Fengping 2nd Rd, Taliao Shiang Kaohsiung 83107, Taiwan R.O.C.
Telephone : (886)7-702-2333

Thailand : **SIAM KUBOTA CORPORATION CO., LTD.**
101/19-24 Moo 20, Navanakorn Industrial Estate, Tambon Khlongnueng, Amphur Khlongluang,
Pathumthani 12120, THAILAND
Telephone : (66)2-909-0300

Japan : **KUBOTA Corporation**
Farm & Industrial Machinery International Operations Headquarters
2-47, Shikitsuhigashi 1-chome, Naniwa-ku, Osaka, Japan 556-8601

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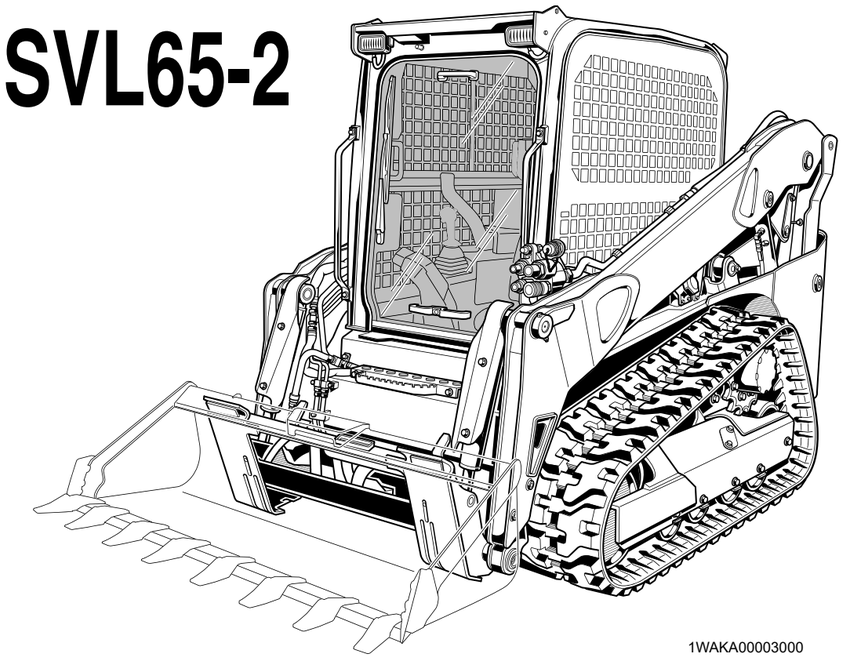
English (Australia)
Code No. V0212-5811-2

SVL65-2

OPERATOR'S MANUAL

KUBOTA CTL Compact Track Loader

MODEL **SVL65-2**



1WAKA00003000

READ AND SAVE THIS MANUAL

PRINTED IN JAPAN

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Kubota

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SAFE OPERATION

Careful operation is your best safeguard against an accident.
Read and understand the *Safe operation* section carefully, before operating the machine.
Every user, however experienced, should carefully read and understand the *Safe operation* section for the machine, the attachments, and the accessories before taking the machine into operation. The owner is obliged to inform the operators of instructions to the machine, the attachments, and the accessories in detail.
Keep this manual in the storage place.
(See Where to keep the operator's manual on page 84)

PRECAUTIONS BEFORE OPERATION OF THE MACHINE

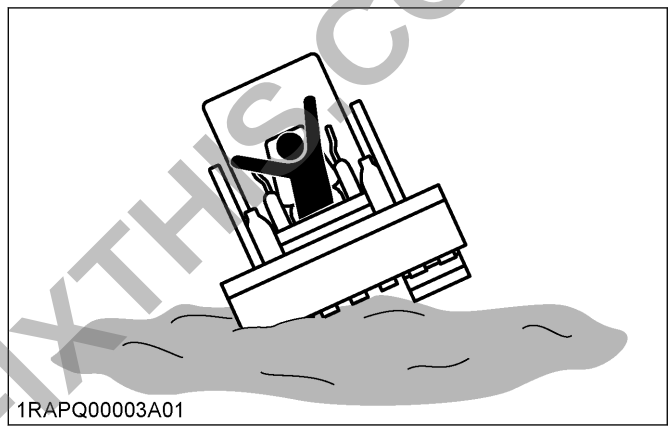
1. General precautions

Know your equipment and its limitations. Read and understand this entire manual before starting and operating the machine.

- Obey the safety labels on the machine.
- Inspect the seat belt regularly and replace it if it is frayed or damaged.


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- Always sit in the operator's seat when starting the engine or operating the levers or controls.
- Do not operate the machine while under the influence of alcohol, medication, controlled substances, or while fatigued.
- 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.
- Check for buried pipes and cables before digging.
- Check for hidden holes, obstacles, soft underground, and overhangs. Do not enter soft ground.


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  – During machine use, do not allow any persons within the working range.
- Do not allow anyone to use the machine until they have been informed of the work to be performed and they have read and understood the operator's manual.
- Do not wear baggy, torn, or oversized clothing when working with the machine. Baggy, torn, or oversized clothing can get caught in rotating parts or control elements which can cause accidents or injuries.
  Wear adequate safety clothing, for example safety helmet, safety shoes, eye protection, ear protection, working gloves, and so on, as necessary and as prescribed by law or statutes.


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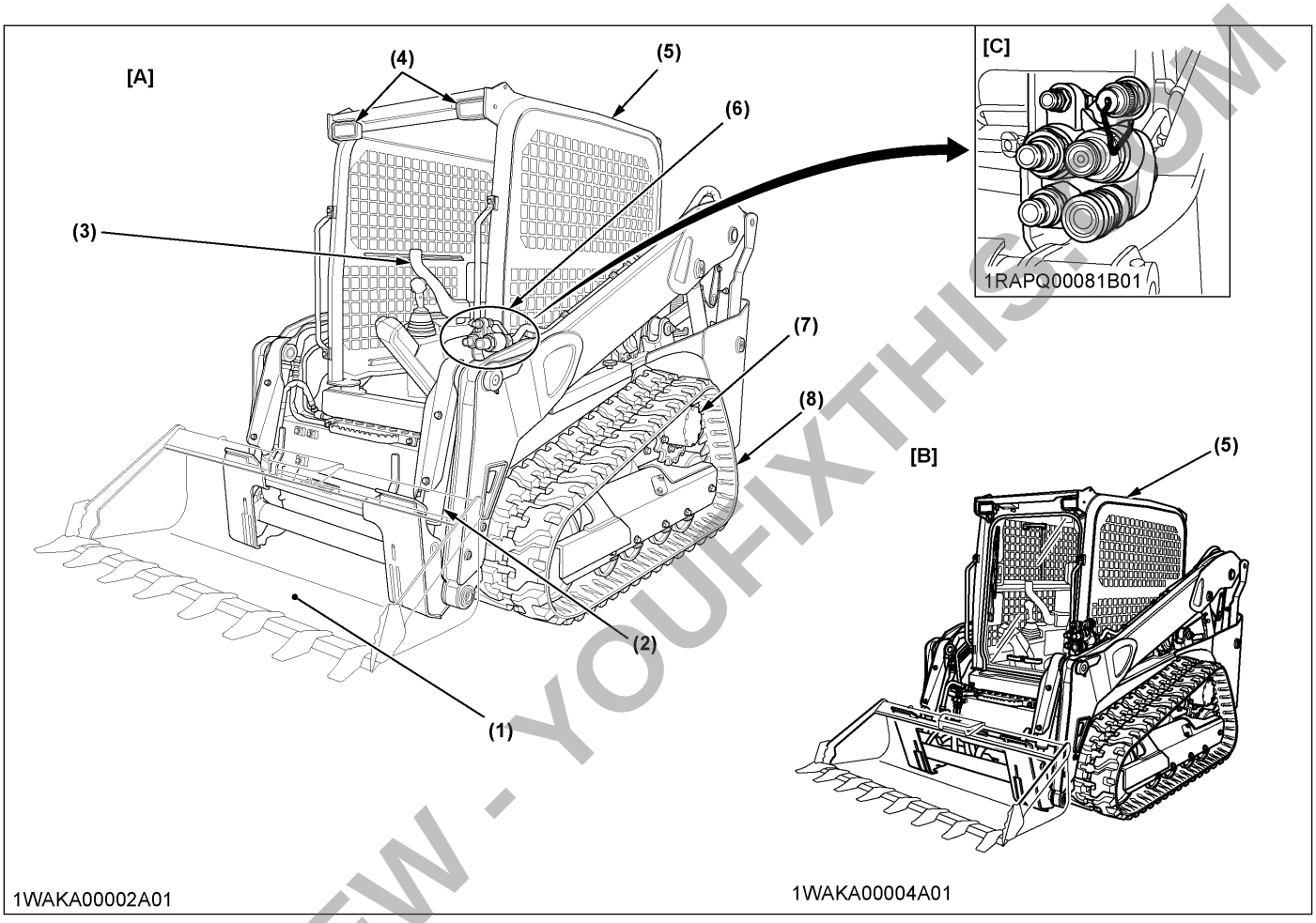
- Do not allow passengers to ride on any part of the machine at any time. The operator must remain in the seat of the machine during operation.

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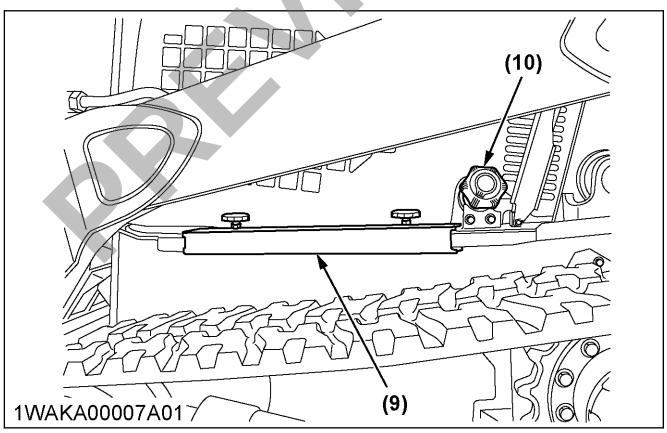
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MACHINE PARTS

DESCRIPTION OF MACHINE PARTS



(1) Bucket
(2) Tilt cylinder
(3) Armrest
(4) Front working light
(5) Cab (open cab and closed cab)
(6) AUX supply port
(7) Drive motor
(8) Rubber track
[A] Open cab model
[B] Closed cab model
[C] High-Flow model



(9) Lift arm stopper
(10) Fuel tank cap

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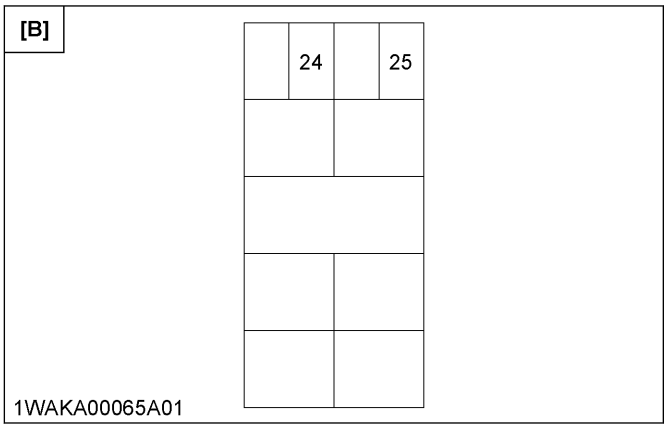
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[Closed cab model]

No.	Protected circuit	Capacity
21	Blower motor	20 A
22	Wiper	15 A
23	Compressor clutch	10 A

NOTE :

- **The fuse of No.16 is not set at the factory. When using the attachments-1, contact your KUBOTA dealer.**

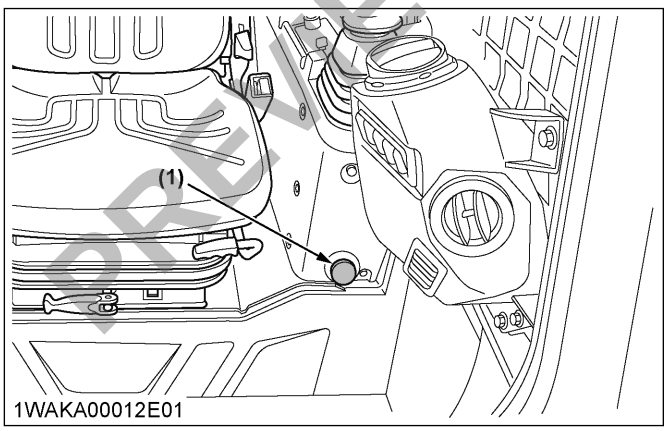


[B] Fuse and relay box

No.	Protected circuit	Capacity
24	CCV heater	20 A
25	Engine elements	10 A

3. Electrical outlet

Max power is less than 120 W.
If you need another auxiliary electric, contact your KUBOTA dealer for details.

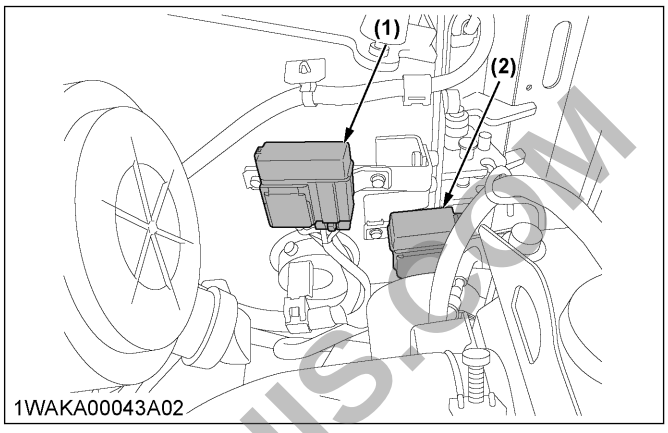


(1) Electrical outlet

4. Slow blow fuse

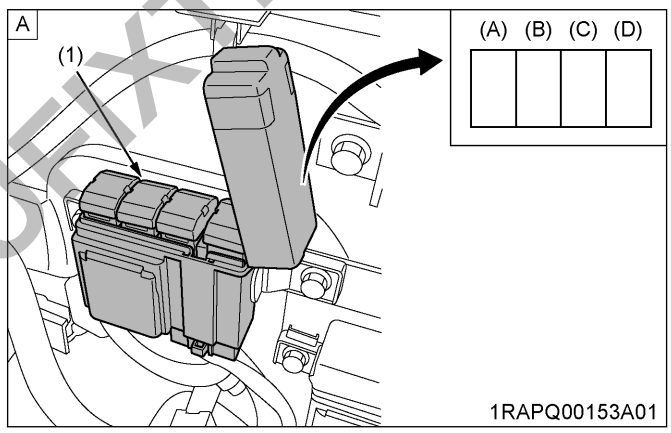
Slow-blow-fuse protects the electrical circuits.

If the slow-blow-fuse is blown, check the electrical circuits for trouble and then replace with a new compatible slow-blow-fuse.
(See Replacing the bolted slow blow fuse on page 113)



(1) Slow blow fuse A (2) Slow blow fuse B

Slow blow fuse A



(1) Slow blow fuse A

[Open cab model]

No.	Protected circuit	Capacity	Fuse type
(A)	Engine	30 A	Bolted
(B)	Main	60 A	Bolted
(C)	CCV heater	30 A	Plug-in
(D)	(Blank)	-	-

[Closed cab model]

No.	Protected circuit	Capacity	Fuse type
(A)	Engine	30 A	Bolted
(B)	Main	60 A	Bolted
(C)	Closed cab	50 A	Plug-in
(D)	Condenser motor	20 A	Plug-in

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IMPORTANT :
- **If the tracks are too tight, wear is increased.**
- **If the tracks are too loose, the track pads may collide with the sprocket and wear is increased.**
  The track may dislocate or come off.
- **If the track tension is high due to sticking mud, remove mud from the track.**

3. After adjustment is completed, tighten the grease fitting using the socket wrench.
   You must keep the tightening torque as follows.

Tightening torque	Between 98 N·m to 108 N·m

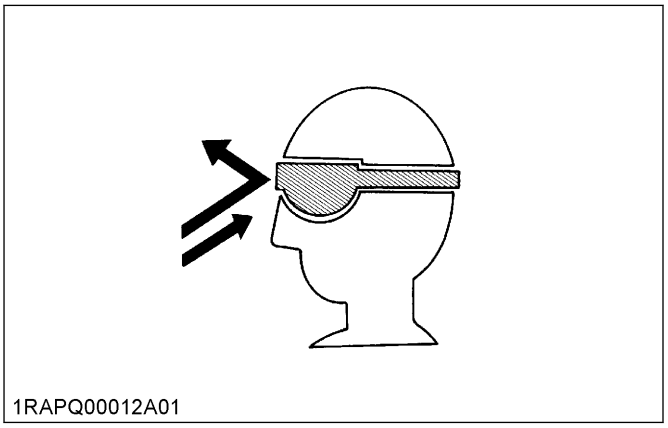
IMPORTANT :
If the seam of the track is positioned incorrectly, the tracks will be tensioned too loosely, and a further readjustment will be necessary.

1. **Rotate the track after adjustment one to two times to check the tension.**
2. **Additionally follow the following points when adjusting rubber tracks.**
   - **Check track tension 50 hours after initial use and readjust if necessary.**
   - **Check and adjust thereafter every 50 service hours.**

IMPORTANT :
- **Clean the track after every use.**

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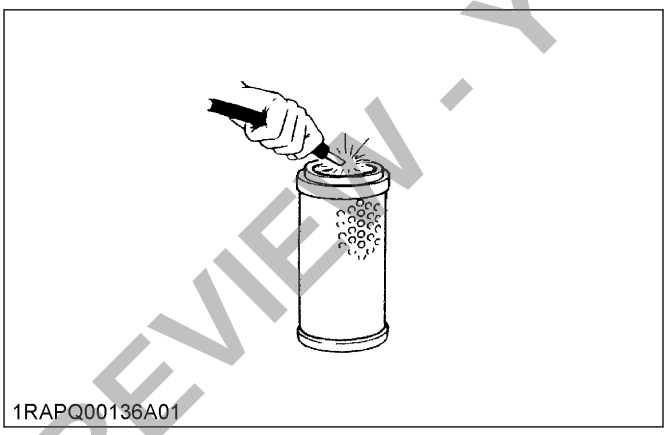
IMPORTANT :
- **Clean the air cleaner element regularly or foreign materials will accumulate, which will shorten the DPF filter cleaning interval (3000 hours).**

The quickest and safest method of maintenance is the exchange of the element. However, there are different methods for cleaning the element.

Cleaning with compressed air
1. Blow the element clean from the inside to the outside until the dust deposits are noticeably reduced.

Keep the pressure of compressed air as follows.

Pressure of compressed air	Under 205 kPa (2.1 kgf/ cm^2)

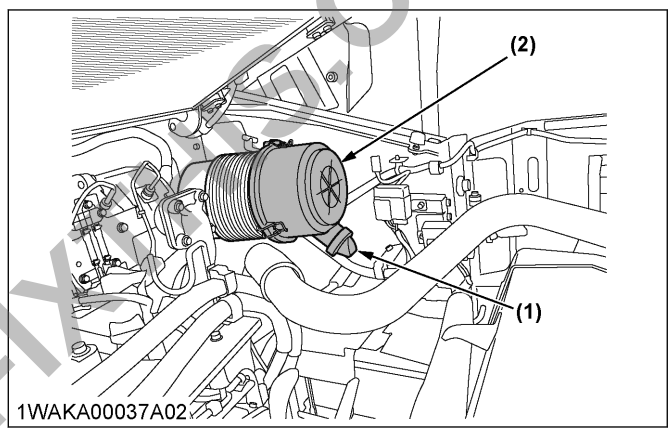

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IMPORTANT :
- **If the air suction is still inadequate or the color of the exhaust gases is abnormal even after the cleaning, replace the air-cleaner-element.**
- **Do not tap-clean the element. The element may get deformed, which may adversely affect the air cleaner performance.**

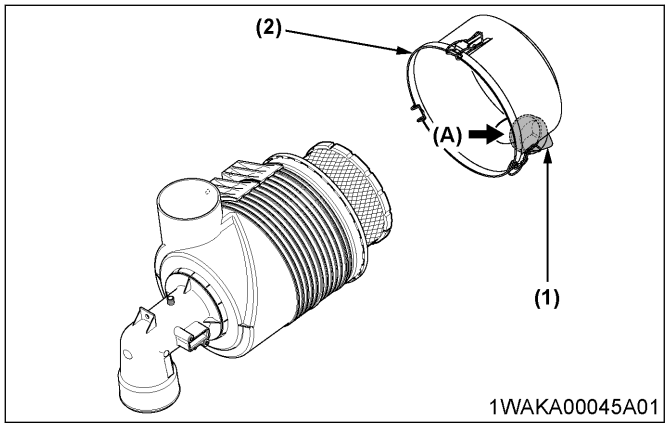
5. Cleaning the evacuator valve

WARNING
To avoid personal injury or death:
- **Wear eye protection.**
- **While cleaning, foreign matters may drop out of the evacuator valve.**

1. Open the rear door and engine hood.
2. Remove the dust-cover.
3. From behind the dust-cover, remove foreign matter from the evacuator valve.



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1WAKA00045A01

(1) Evacuator valve
(2) Dust cover
(A) Clean from behind

IMPORTANT :
- **Failure to clean the evacuator valve may shorten the air cleaner element's service life.**

EVERY 250 SERVICE HOURS

Carry out all 50 hour servicing at the same time.

1. Checking the radiator hoses and the clamps

Check the water hoses for proper connection.

WARNING
To avoid personal injury or death:

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MAINTENANCE

⚠ WARNING
To avoid personal injury or death:
- **Before performing maintenance on the machine, place the machine on a firm, flat, and level surface, lower the lift arms slowly to the ground, and 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.

MAINTENANCE INTERVALS

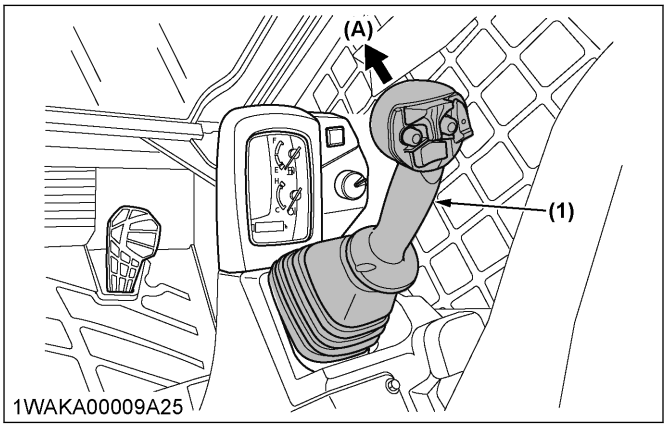
Shown in the Service Interval Chart below are the hours indicated on the hour meter, practically, it will be convenient to schedule the time of inspection and maintenance according to the calendar (day, week, snd month) on the basis of the chart. If the machine is used in harder-than-usual working conditions,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

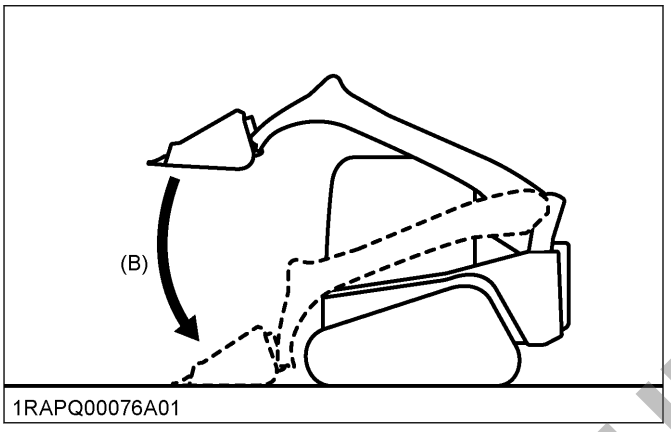
No.	Check points		Measures	Hour meter indicator							Interval	Ref. page	
				50	250	500	1000	1500	2000	3000			
1	Coolant		check	Daily check							(every 10 hrs)	87	
			change								every 2 years	105	
2	Fuel		check	Daily check							(every 10 hrs)	87	
3	Engine oil		check	Daily check							(every 10 hrs)	87	
			change		○	○	○	○	○	○	every 250 hrs	99	
4	Hydraulic oil		check	Daily check							(every 10 hrs)	88	
			change				○		○	○	every 1000 hrs	102	*1
5	Greasing		grease	Daily check							(every 10 hrs)	88	
6	Radiator and oil cooler		check	Daily check							(every 10 hrs)	89	
7	Engine and electrical wiring		check	Daily check							(every 10 hrs)	89	
8	V-belt tension		check	Daily check							(every 10 hrs)	89	
			adjust		○	○	○	○	○	○	every 250 hrs	96	
9	Water separator		drain	Daily check							(every 10 hrs)	90	
10	Evacuator valve		check	Daily check							(every 10 hrs)	90	
			clean	○	○	○	○	○	○	○	every 50 hrs	95	
11	DPF muffler		check	Daily check							(every 10 hrs)	90	
12	Washer liquid		check	Daily check							(every 10 hrs)	91	
13	Battery condition		check	Daily check							(every 10 hrs)	91	
14	Fuel tank cap		clean	Daily check							(every 10 hrs)	92	
15	Fuel tank		drain	○	○	○	○	○	○	○	every 50 hrs	86	
16	Track tension		check	○	○	○	○	○	○	○	every 50 hrs	93	
17	Air cleaner element	Outer element	clean	○	○	○	○	○	○	○	every 50 hrs	94	*2
			replace		○	○	○	○	○	○	every 250 hrs	98	*2
		Inner element	replace		○	○	○	○	○	○	every 250 hrs	98	*2
18	Radiator hoses and clamps		check		○	○	○	○	○	○	every 250 hrs	95	
			replace								every 2 years	107	

(Continued)

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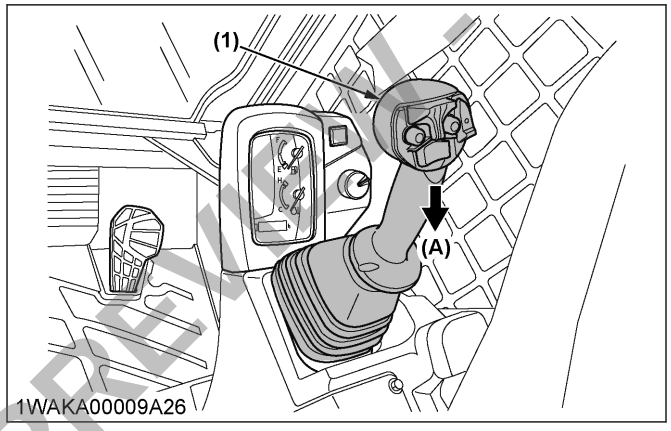


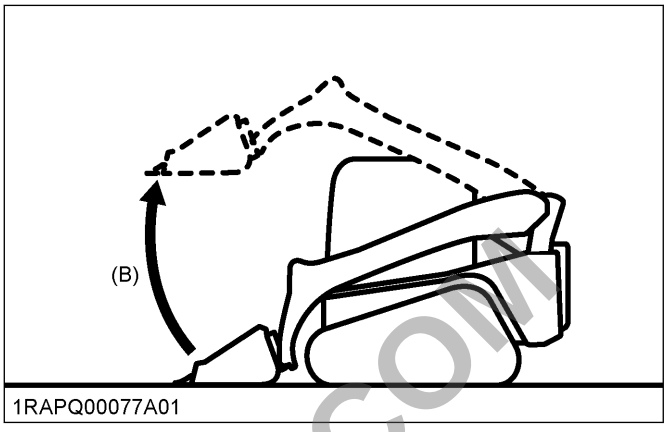


(1) Right control lever (front operating lever) *(A) Push* *(B) Lower*

To raise the lift arms

1. Pull the right-control-lever (front-operating-lever) backward.





(1) Right control lever (front operating lever) *(A) Pull* *(B) Raise*

NOTE :

- **To stop the lift arm operation, return the right-control-lever (front-operating-lever) to the neutral position.**

5.1 How to use the lift arm stopper

⚠ WARNING

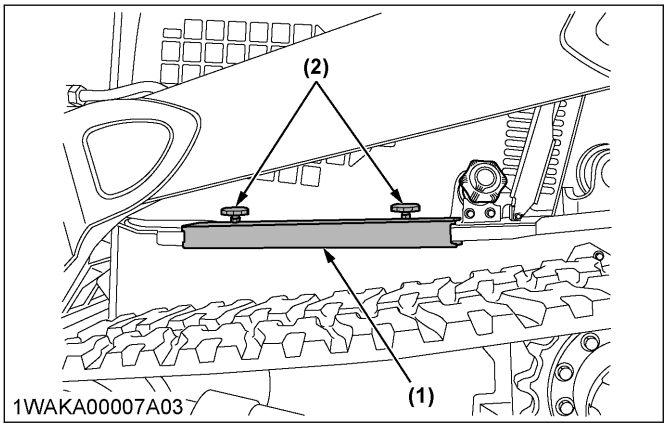
To avoid personal injury or death:

- **Never work on a machine with the lift arms up unless the lift arms are secured by an approved lift-arm-stopper.**

The lift-arm-stopper prevents the lift arms from falling when servicing the machine.

Installing

1. Park the machine on level and firm ground, and lower the lift arms fully to the ground.
2. Remove the front attachment.
3. Stop the engine.
4. Ask the second person to remove the lift-arm-stopper from the storage position.



(1) Lift arm stopper *(2) Knob bolt*

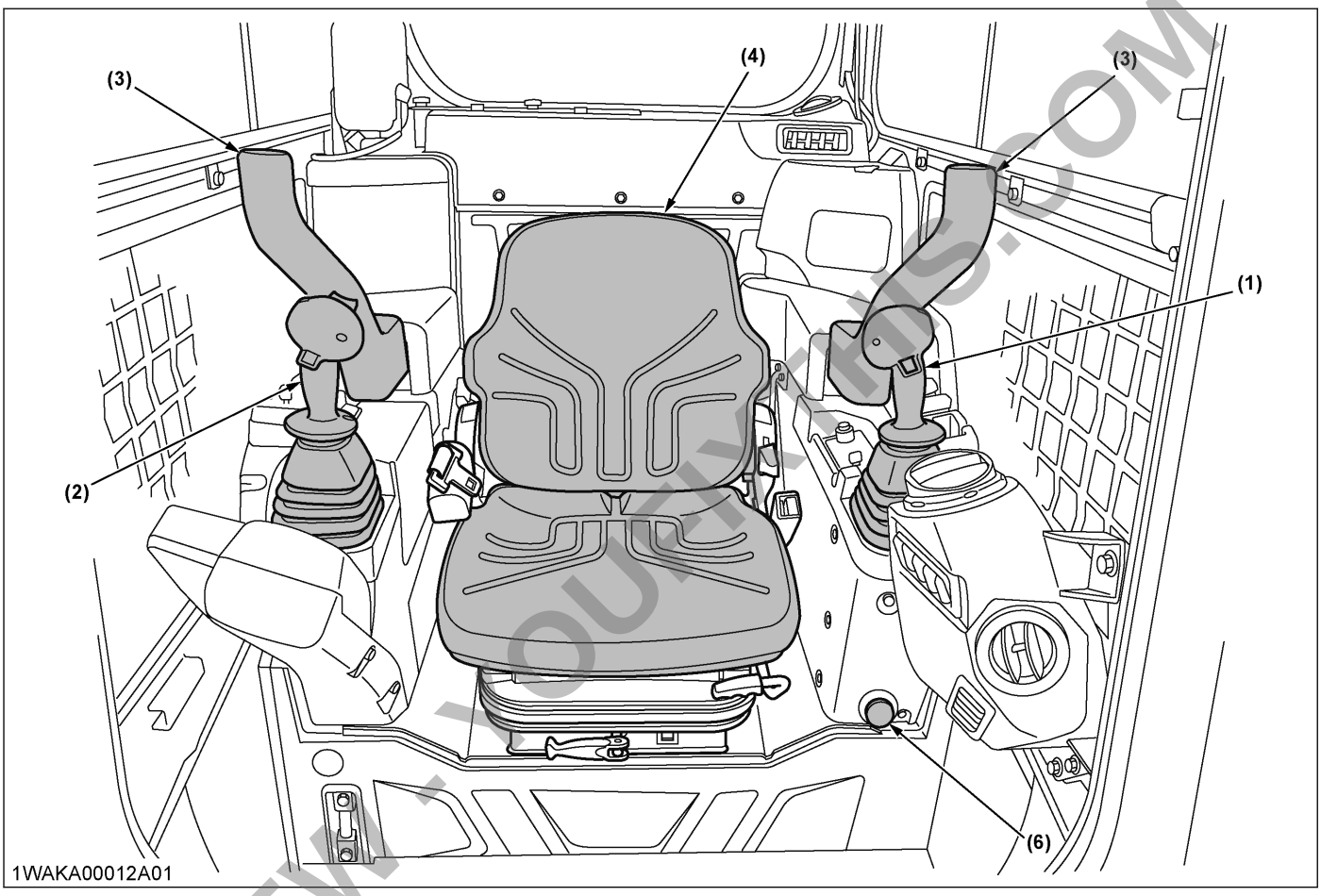
5. Start the engine.
6. Set the parking-brake-switch to the parking position.

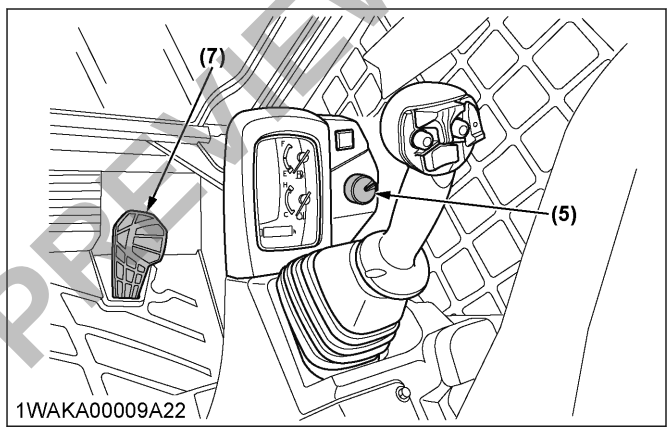
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PEDAL AND LEVERS

CONTROL PEDALS, LEVERS, AND ELECTRICAL OUTLET





(1) Left control (traveling) lever
(2) Right control (front operating) lever
(3) Armrest
(4) Seat
(5) Engine speed control dial
(6) Electrical outlet
(7) Accelerator pedal

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- **The DPF regeneration cycle only starts in the following conditions. If any of the conditions are not met, the DPF regeneration cycle may be interrupted.**

Coolant temperature	above 65 ℃
DPF temperature	above 250 ℃
Engine rpm	above 1200 rpm

- **The DPF regeneration usually takes about the following times.**

DPF regeneration time	15 minutes to 20 minutes

The DPF regeneration time depends, however, on the outside air temperature, exhaust gas temperature and filter PM level.

- **Do not interrupt the DPF regeneration cycle unnecessarily.**

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