

EXCAVATOR OPERATION

RUNNING-IN OF THE NEW EXCAVATOR

The operation and care of the new excavator influences its life span. Your new excavator has been carefully checked and tested before leaving the factory. In spite of this, all movable components must run-in during the first 50 work hours. Do not work with full rpm's and full loads during this period. It is most important to run-in your excavator properly in order to achieve its full performance and longevity. During the running-in, the following points should be adhered to in all cases.

■ Do not Work with Full Engine Rpm's or Full Loads during the First 50 Working Hours

- Let the engine warm up sufficiently in the cold season.
- Do not let the engine rev-up more than necessary.

■ Oil Change in the Run-in Stage

The lubrication oil plays a specific and important role during the run-in phase of the excavator. The numerous movable parts are not yet run-in, so many fine metal particles are generated and cause damage and shorten the life of many components. Pay attention to the oil-change intervals and complete them sooner than later. See "REGULAR CHECKS AND MAINTENANCE WORK" section for more details on the oil-change intervals.

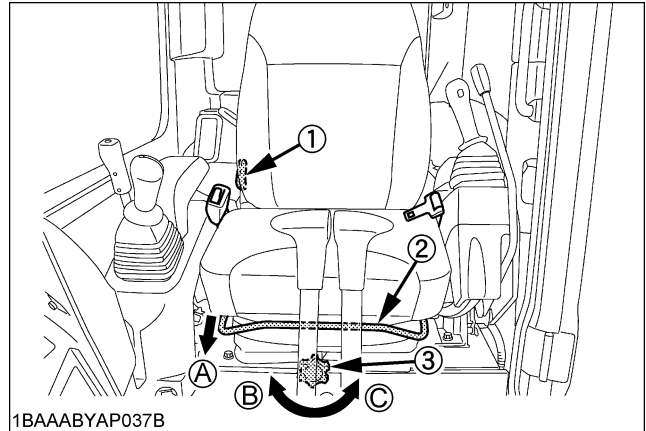
■ Adjusting the Operator's Seat



CAUTION

To avoid personal injury:

- Make sure that the seat is completely secured after each adjustment.



- | | |
|--------------------------------|---------------------------|
| (1) Backrest tilt adjust lever | (A) "UNLOCK" |
| (2) Travel adjust lever | (B) "TO INCREASE TENSION" |
| (3) Weight adjust lever | (C) "TO DECREASE TENSION" |

◆ Travel adjustment

Pull the travel adjust lever in the direction of [A] and slide the seat backward or forward, as required. The seat will lock in position when the lever is released.

◆ Weight adjustment

Turn the weight adjust lever to achieve the optimum suspension setting.

◆ Tilt adjustment

Pull the backrest tilt adjust lever in the direction of [A] and move the backrest to the desired angle.

◆ Height adjustment

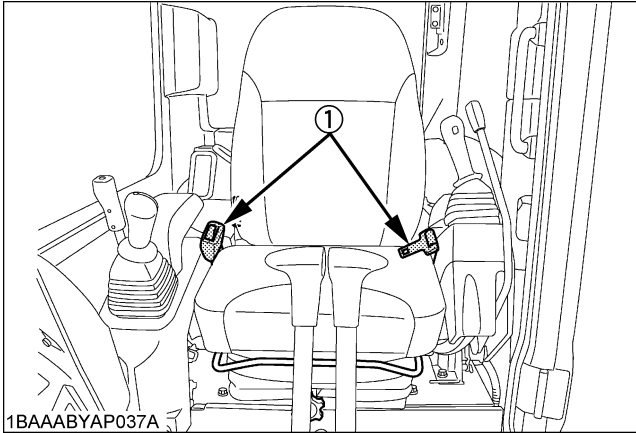
Lift the seat to the desired height of the three available positions. Adjust the seat to the desired position after lifting the seat to the highest position in the case of lowering the seat.

■ Seat Belt

WARNING

To avoid personal injury or death:

- Always use the seat belt with a ROPS/FOPS protection structure. Adjust the seat to the optimal position and buckle up.



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(1) Seat belt

STARTING

CAUTION

To avoid personal injury:

- No persons, other than those familiar with the excavator, are allowed to use the excavator.
- Do not allow any person other than the operator to ride on the excavator.
- When operating, keep hands and body inside of the ROPS/FOPS protective.
- Do not touch the control levers and the pedals from outside the cab during the engine running.

■ Pilot Control Lock Lever

CAUTION

To avoid personal injury:

- To avoid injuries, check safety aspects all around the excavator.

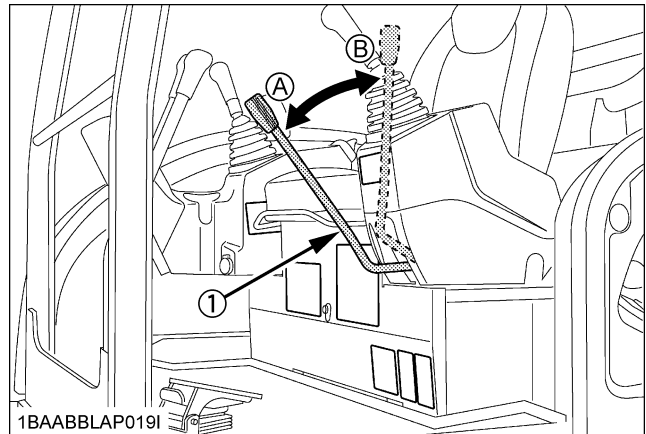
NOTE :

- With the pilot control lock lever pulled down, the engine fails to start.

Don't attempt to start the machine with the Pilot Control Lock Lever in the down position (B), if attempt is made the following message appears on the LCD display.



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(1) Pilot control lock lever

(A) "Unlock"

(B) "Locked"

IMPORTANT :

- Always pull pilot control lock lever up to "Locked" position (B) when you stop the engine or leave the operating structure.

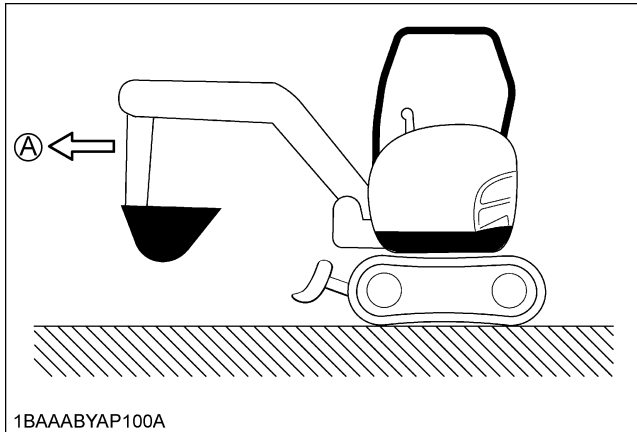
DRIVING



WARNING

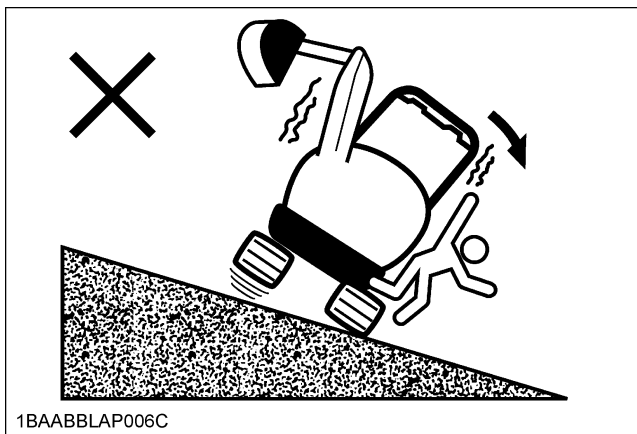
To avoid personal injury or death:

- Before starting the engine, make sure that no one is near the excavator.
- Before operating the excavator, check the track direction. (Front idler and dozer blade to the front of the excavator).

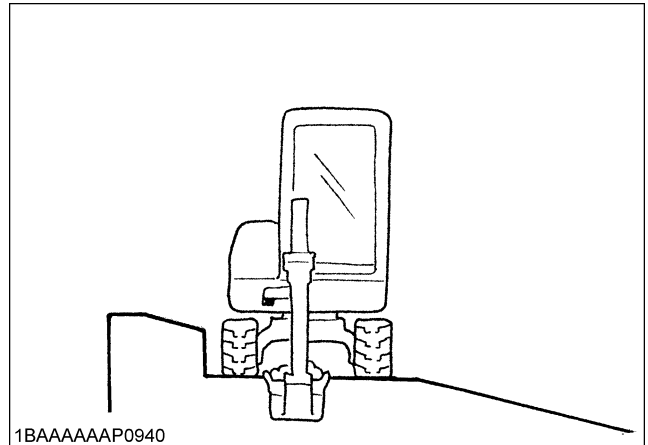


(A) "Front of the excavator"

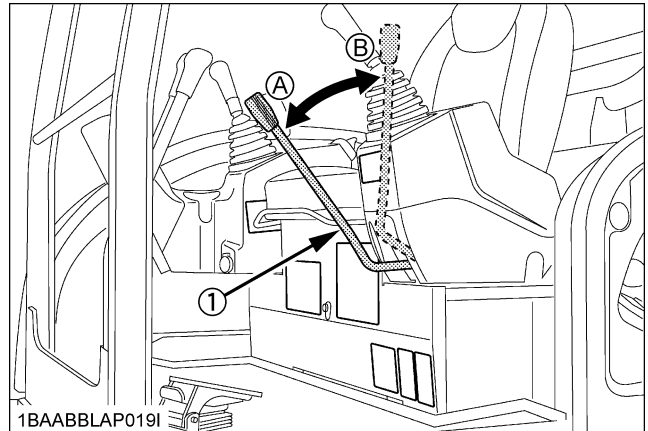
- Use extra caution when traveling across a slope or working sideways on a slope.



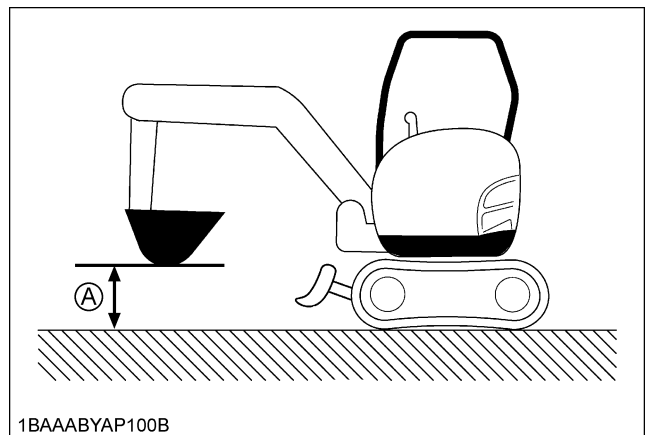
- Recommended technique for working on a slope.



1. Adjust the engine speed from idling to an intermediate speed.
2. Unlock the pilot control lock lever and pull in the bucket and hold the bucket about 20 to 40 cm above the ground.

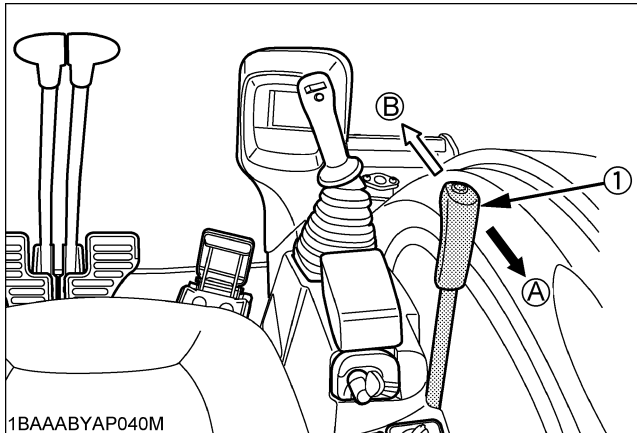


- (1) Pilot control lock lever (A) "Unlock" (B) "Locked"



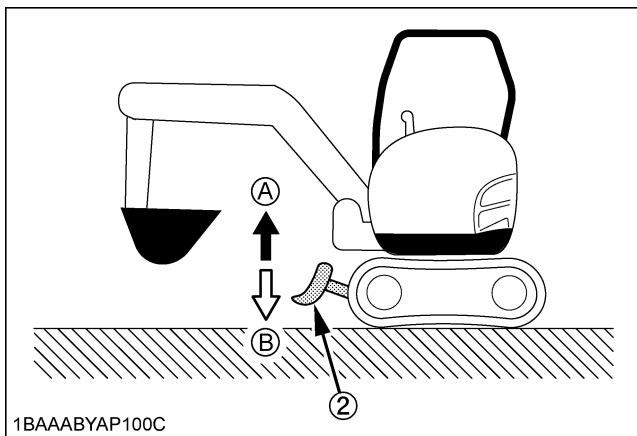
(A) 20 to 40 cm

3. Activate the dozer control lever to raise the dozer.



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(1) Dozer control lever (A) "Raise" (B) "Lower"



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(2) Dozer (A) "Raise" (B) "Lower"

■ Drive Levers(Right,Left)

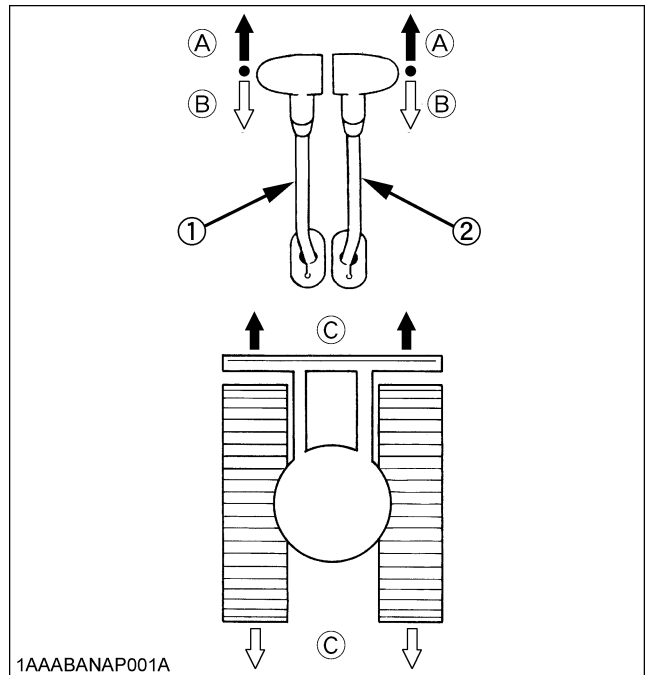


WARNING

To avoid personal injury or death:

- When driving the excavator keep the dozer blade in front. To move the excavator forward (A) and reverse (B) with dozer blade in front. If the dozer blade is behind operator station, then the controls are reversed, moving forward will require (B) and backwards move levers towards position (A), but this is not recommended.

Pushing the drive lever forwards, moves the excavator forwards, and vice-versa. The front of the excavator is the side where the dozer is located; the drive sprocket is in the rear of the excavator.



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(1) Drive lever (left) (2) Drive lever (right) (A) "Forward" (B) "Backward" (C) "Straight"