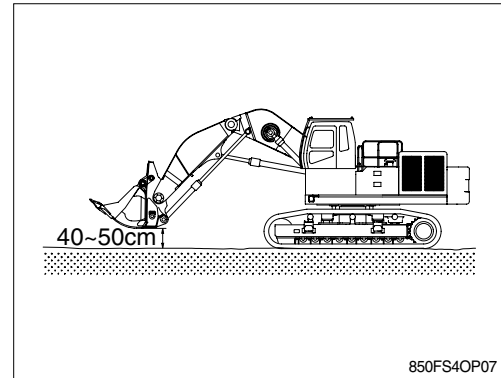


7. EFFICIENT WORKING METHOD

1) GENERAL

- (1) Lift the bucket about 40-50cm(2ft) above the ground to ensure safety and to gain a good range of view.



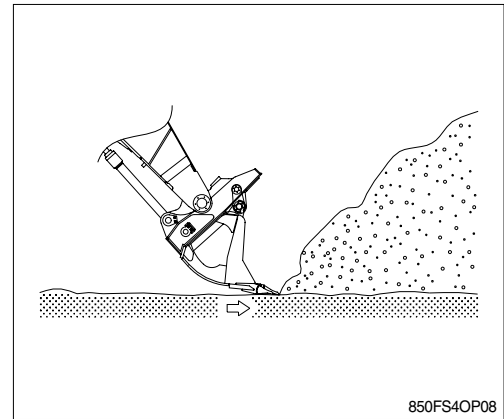
- (2) Clear the jobsite and level the ground.
- (3) Be careful that excessive force is not applied to the bucket.
- (4) Position the machine with its back against the wind so that dust does not get into the engine.
- (5) Check if the proper bucket is used for the work.
If the capacity of the bucket exceeds that of the machine, the machine's service life may be shortened.

2) EXCAVATION WORK

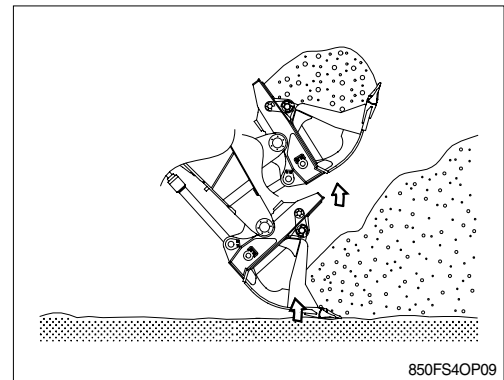
(1) Shovel work

As the machine loads on the bucket with traveling, track shoes may start to slip because of heavy load. Then lift the bucket slightly to reduce load.

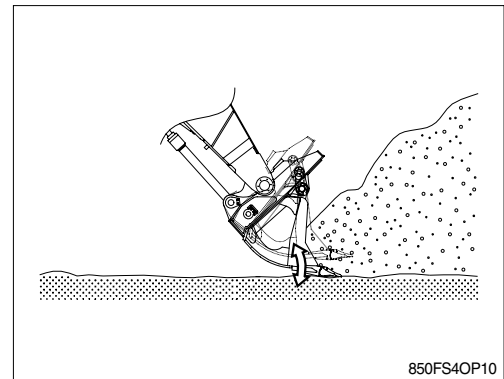
- ① Keep the bucket shovel parallel to the ground (If the bucket is pushed in a non-horizontal position, power may be reduced, and the bucket cannot dig deeply into the heap of soil).



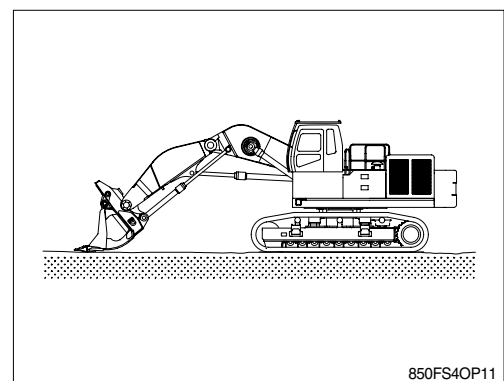
- ② When the bucket is sufficiently deep into the pile, advance the machine with the control lever pulled down. And by placing the control lever in the bucket roll-back position, fill the bucket with soil.



- ③ When it is difficult to dig into the soil, move the bucket control lever forward and backward to move the bucket teeth up and down.



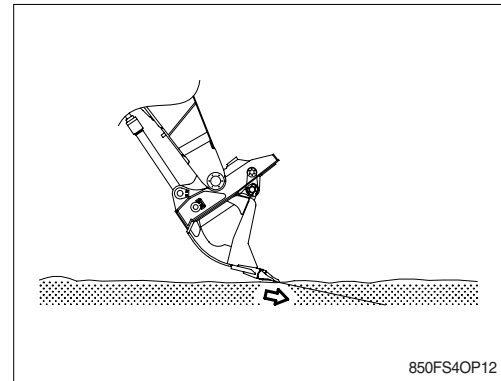
- ④ Operate leaving a small safety margin of cylinder stroke to prevent damage of cylinder when working with the machine.



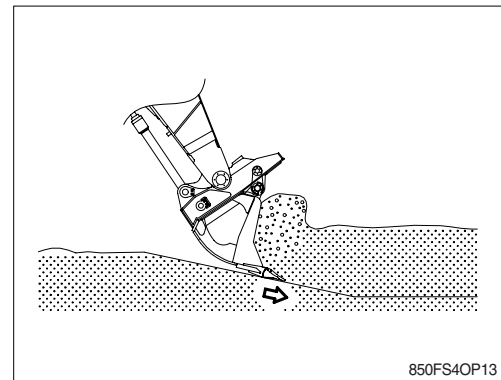
(2) Excavation on level ground

Advance the machine with the bucket lowered slightly and make sure that the bucket is evenly loaded on both sides.

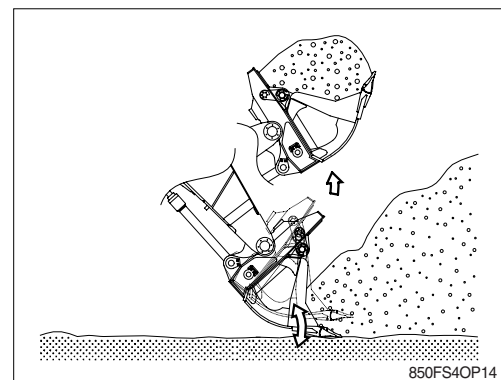
- ① Lower the bucket edge slightly.



- ② Advance the machine and lift the bucket using the bucket control lever to dig out the soil.



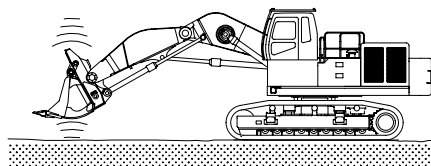
- ③ Advance the machine while controlling the depth of digging with the control lever.
- ※ **Do not press the bucket heavily into the ground.** It may damage its driving force.
 - ※ **When excavating, prevent the excavation force from applying only one side of the bucket.**



3) PRECAUTIONS DURING OPERATION

- (1) When lowering and raising the boom operate softly for the beginning and the end.
In particular, sudden stops while lowering the boom may cause damage to the machine.

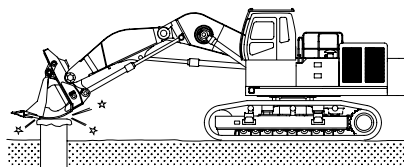
Operate softly for the beginning and the end



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- (2) Do not use the dropping force of the work equipment for digging.
The machine can be damaged by the impact.

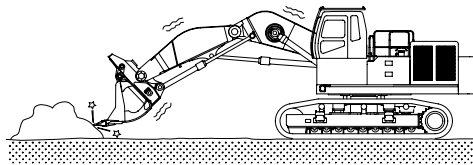
Incorrect



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- (3) Do not use the bucket to crack hard objects like concrete or rocks.
This may break a tooth or pin, or bend boom.

Incorrect



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