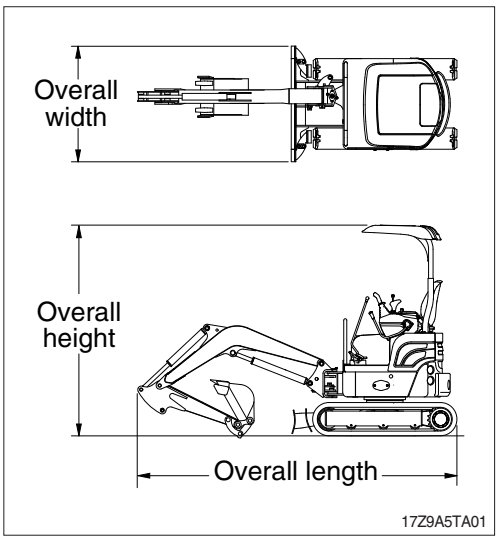
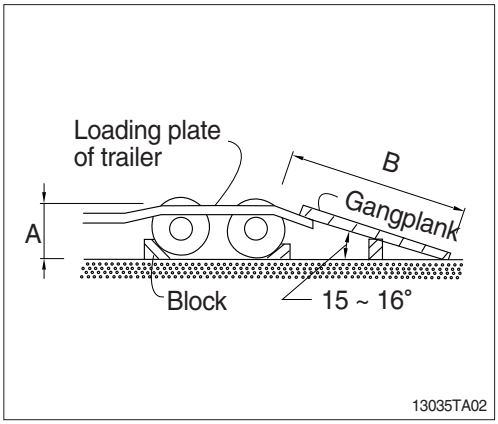
1. PREPARATION FOR TRANSPORTATION

1) When transporting the machine, observe the various road rules, road transportation vehicle laws and vehicle limit ordinances, etc.
2) Select proper trailer after confirming the weight and dimension from the chapter 2, specification.
3) Check the whole route such as the road width, the height of bridge and limit of weight and etc., which will be passed.
4) Get the permission from the related authority if necessary.
5) Prepare suitable capacity of trailer to support the machine.



6) Prepare gangplank for safe loading referring to the below table and illustration.

A	B
1.0	3.65 ~ 3.85
1.1	4.00 ~ 4.25
1.2	4.35 ~ 4.60
1.3	4.75 ~ 5.00
1.4	5.10 ~ 5.40
1.5	5.50 ~ 5.75

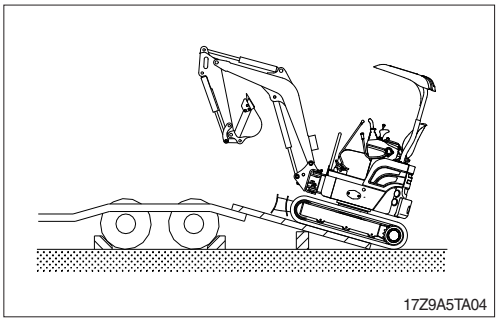


2. LOADING THE MACHINE

⚠ **Make sure that the swing lock pin is inserted before transporting to prevent the machine from accidental swinging.** (if equipped)

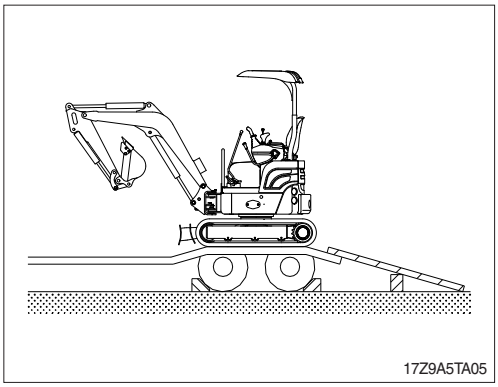
1) Load and unload the machine on a flat ground.

2) Use the gangplank with sufficient length, width, thickness and gradient.

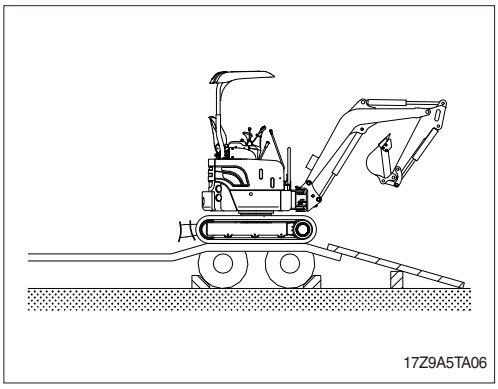


3) Do the following after loading the machine to the trailer.

(1) Stop loading when the machine is located horizontally with the rear wheel of trailer.
Keep the travel motor in the rear when loading and in the front when unloading.



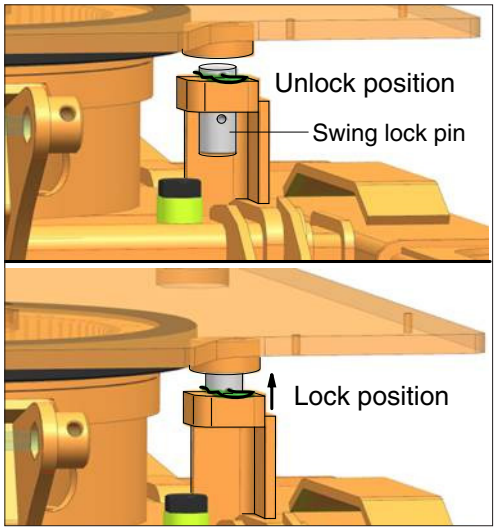
(2) Rotate the upper part of machine 180 degree then move to the proper location.



(3) Before transporting the machine, make sure that the swing lock has been engaged in the LOCK position. (if equipped)
This will prevent the machine from accidentally rotating during transportation.

(4) After setting the edge of upper frame parallel with track center line in the cab, stop engine and get off the machine with the swing lock device to the LOCK position. (if equipped)

⚠ **To avoid personal injury or death, stop engine before locking/unlocking swing lock pin.**



(5) Lower the working equipment gently.

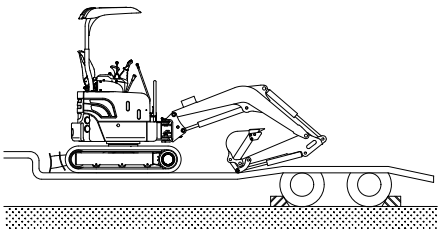
※ **Place rectangular timber under the bucket cylinder to prevent the damage of it during transportation.**

⚠ **Be sure to keep the travel speed switch on the LOW (turtle mark) while loading and unloading the machine.**

⚠ **Avoid using the working equipment for loading and unloading since it will be very dangerous.**

⚠ **Do not operate any other device when loading.**

⚠ **Be careful on the boundary place of loading plate or trailer as the balance of machine will abruptly be changed on the point.**



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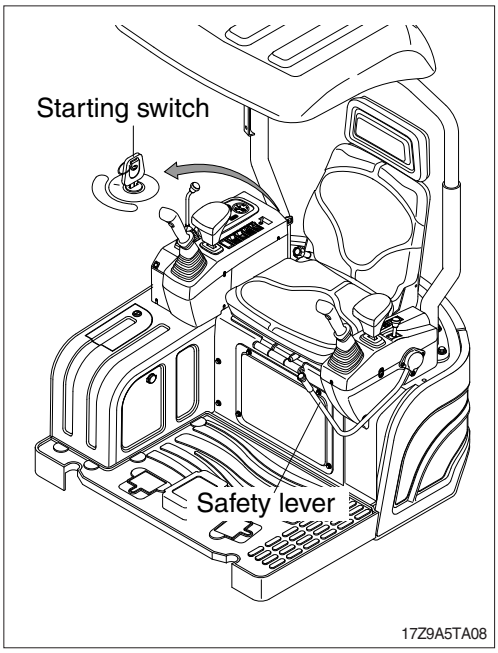
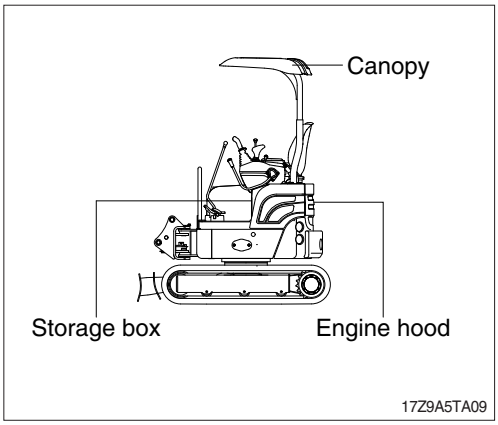
3. FIXING THE MACHINE

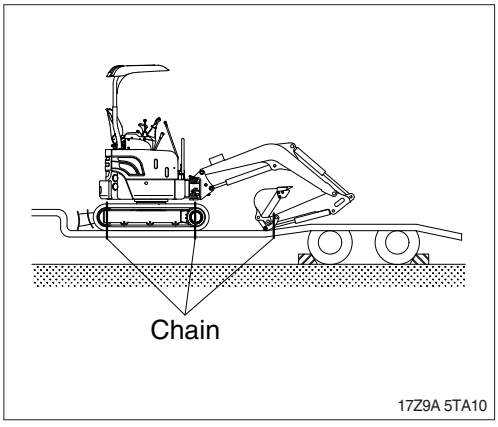
1) Lower down the working device on the loading plate of trailer.
2) Keep the safety lever on the **LOCK** position.
3) Turn **OFF** all the switches and remove the key.



5) Secure all locks.



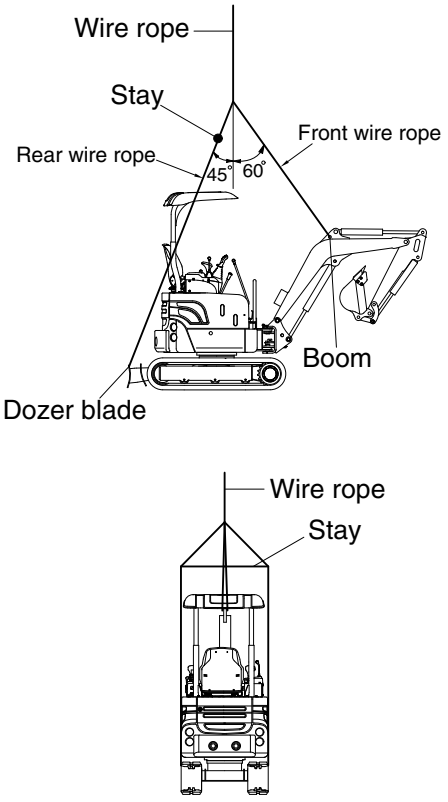
6) Place timber underneath of the track and fix firmly with wire rope to prevent the machine from moving forward, backward, right or left.



4. LOADING AND UNLOADING BY CRANE

1) Check the weight, length, width and height of the machine referring to the chapter 2, specification when you are going to hoist the machine.
2) Use long wire rope and stay to keep the distance with the machine as it should avoid touching with the machine.
3) Put a rubber plate contact with wire rope and machine to prevent damage.
4) Place crane on the proper place.
5) Install the wire rope and stay like the illustration.
6) The maximum angle of the front wire rope must not exceed 60 degrees and the angle of the rear wire rope 45 degrees.

※ If there is no stay, keep the angle of the rear wire rope below 15 degrees to avoid interference with the machine.



⚠ Make sure wire rope is proper size.

⚠ Place the safety lever to LOCK position to prevent the machine moving when hoisting the machine.

⚠ The wrong hoisting method or installation of wire rope can cause damage to the machine.

⚠ Do not load abruptly.

⚠ Keep area clear of personnel.

⚠ Maintain center of gravity and balance when lifting.

⚠ Never lift the machine with a person in the cab or on the machine.

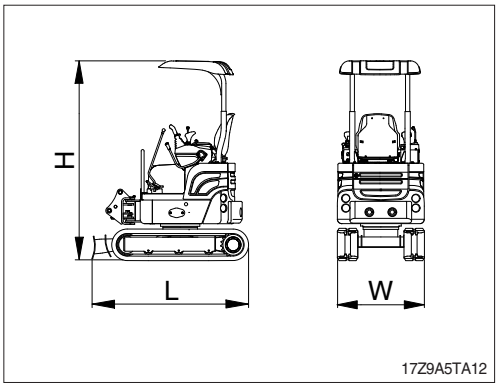
5. DIMENSION AND WEIGHT

1) ROBEX 17Z-9A

(1) Base machine

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1940 (6' 4")
H	Height	mm (ft-in)	2320 (7' 7")
W	Width	mm (ft-in)	990~1300 (3' 3"~4' 3")
Wt	Weight	kg (lb)	1473 (3250)

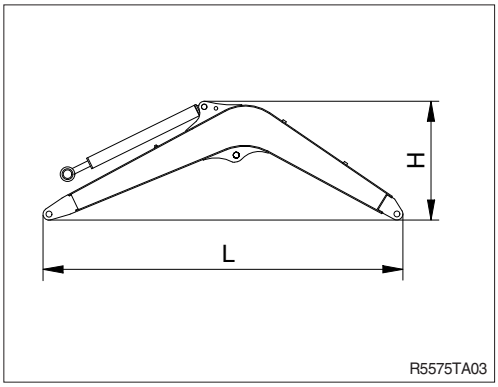
※ With 230 mm (9") rubber track and 188 kg (414 lb) counterweight.



(2) Boom assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1875 (6' 2")
H	Height	mm (ft-in)	630 (2' 1")
W	Width	mm (ft-in)	200 (7.9")
Wt	Weight	kg (lb)	90 (198)

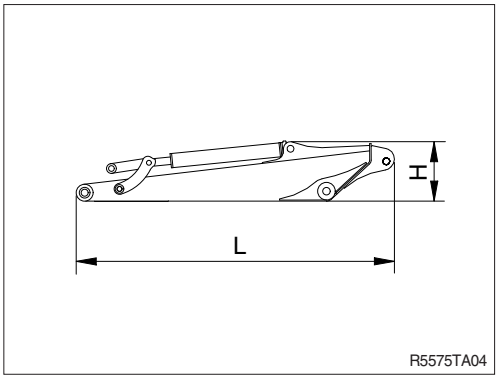
※ 1.80 m (5' 11") boom with arm cylinder (included piping and pins).



(3) Arm assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1205 (3' 11")
H	Height	mm (ft-in)	315 (1' 0")
W	Width	mm (ft-in)	230 (9.1")
Wt	Weight	kg (lb)	65 (143)

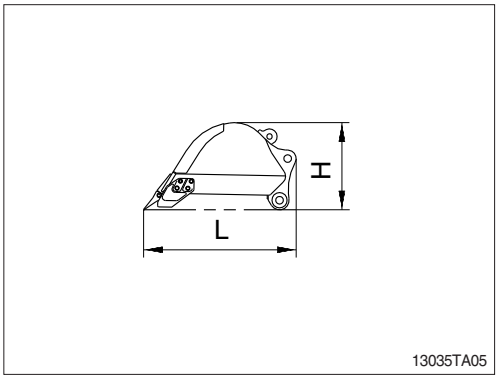
※ 0.96 m (3' 2") arm with bucket cylinder (included linkage and pins).



(4) Bucket assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	600 (2' 0")
H	Height	mm (ft-in)	365 (1' 2")
W	Width	mm (ft-in)	425 (1' 5")
Wt	Weight	kg (lb)	40 (88)

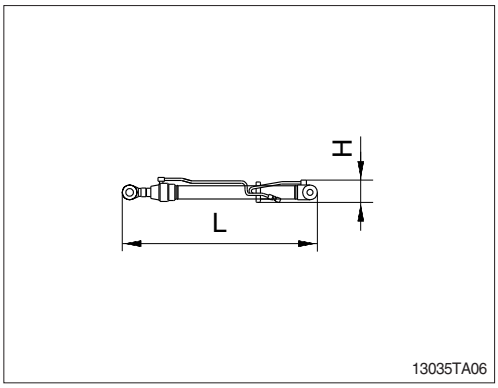
※ 0.04 m^3 (0.05 yd^3) SAE heaped bucket (included tooth and side cutters).



(5) Boom cylinder

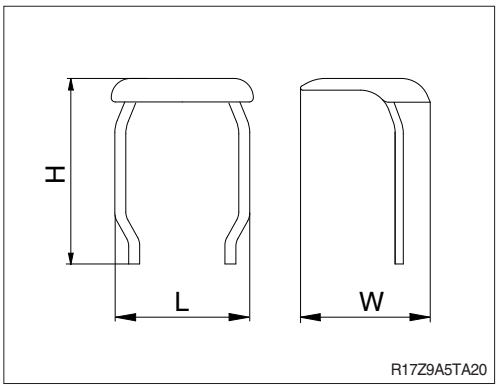
Mark	Description	Unit	Specification
L	Length	mm (ft-in)	815 (2' 8")
H	Height	mm (ft-in)	96 (3.8")
W	Width	mm (ft-in)	130 (5")
Wt	Weight	kg (lb)	17 (37)

※ Included piping.



(6) Canopy assembly

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	830 (2' 9")
H	Height	mm (ft-in)	1237 (4' 1")
W	Width	mm (ft-in)	894 (2' 11")
Wt	Weight	kg (lb)	40 (88)



(7) Counterweight

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	990 (3' 3")
H	Height	mm (ft-in)	378 (1' 3")
W	Width	mm (ft-in)	385 (1' 3")
Wt	Weight	kg (lb)	188 (414)