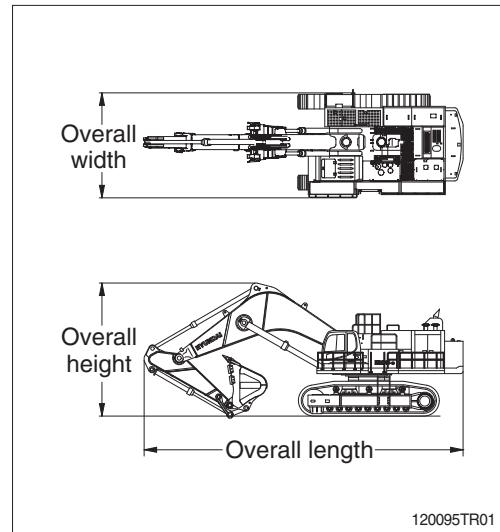


TRANSPORTATION

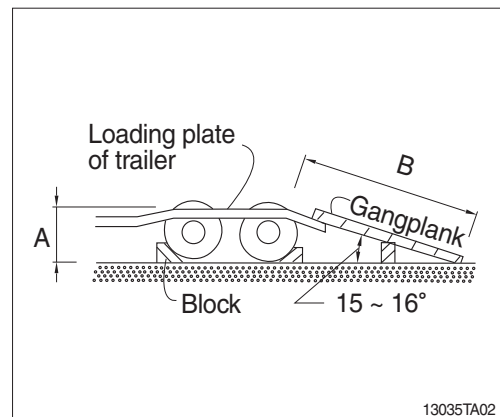
1. PREPARATION FOR TRANSPORTATION

- 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

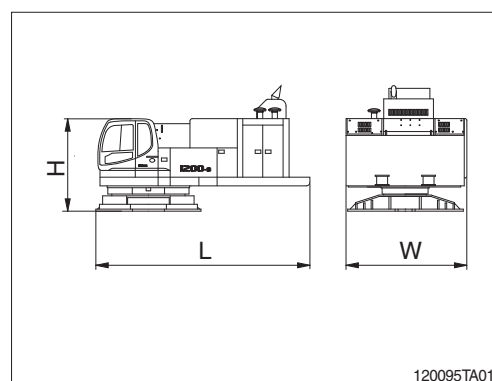


2. DIMENSION AND WEIGHT

1) BASE MACHINE

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	6885 (22' 7")
H	Height	mm (ft-in)	3410 (11' 2")
W	Width	mm (ft-in)	3580 (11' 9")
Wt	Weight	kg (lb)	41000 (90390)

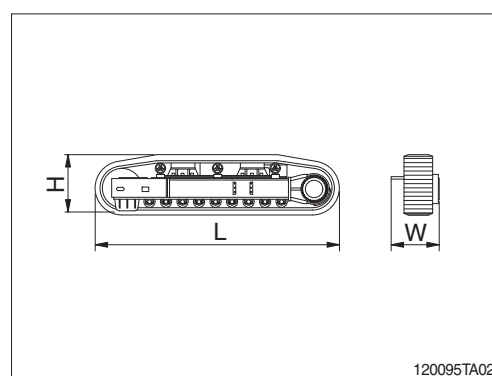
※ Remove catwalk and handrail for transport.



2) TRACK FRAME

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	6425 (21' 1")
H	Height	mm (ft-in)	1585 (5' 2")
W	Width	mm (ft-in)	1060 (3' 6")
Wt	Weight	kg (lb)	14120 (31130)

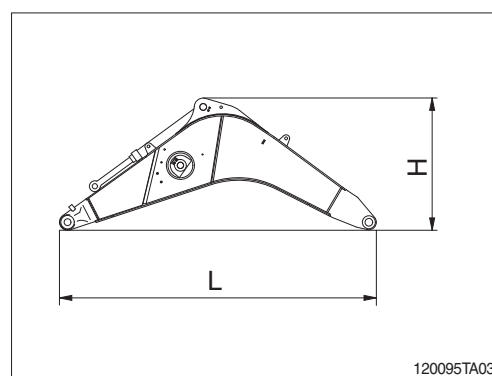
※ Shoe (700 mm)



3) BOOM ASSEMBLY

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	7930 (26' 0")
H	Height	mm (ft-in)	3430 (24' 8")
W	Width	mm (ft-in)	1500 (4' 11")
Wt	Weight	kg (lb)	12300 (27120)

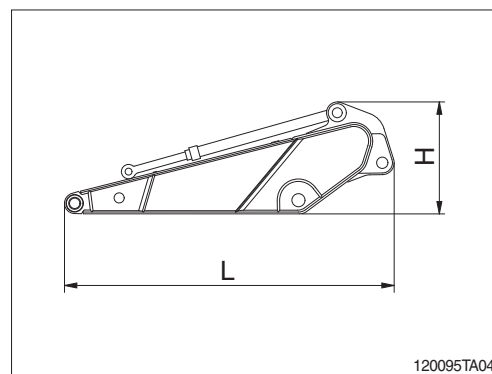
※ 7.55 m (24' 9") boom with arm cylinder (Included piping and pins).



4) ARM ASSEMBLY

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	5030 (16' 6")
H	Height	mm (ft-in)	930 (3' 1")
W	Width	mm (ft-in)	1720 (5' 8")
Wt	Weight	kg (lb)	6500 (14330)

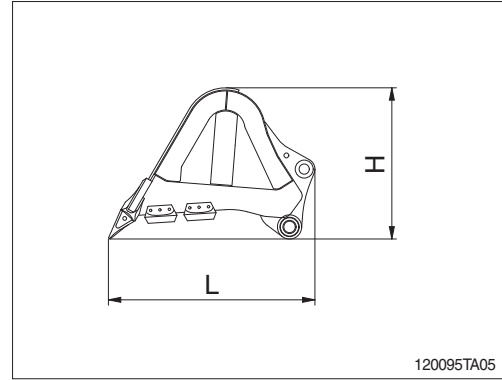
※ 3.40 m (11' 2") arm with bucket cylinder (Included linkage and pins).



5) BUCKET ASSEMBLY

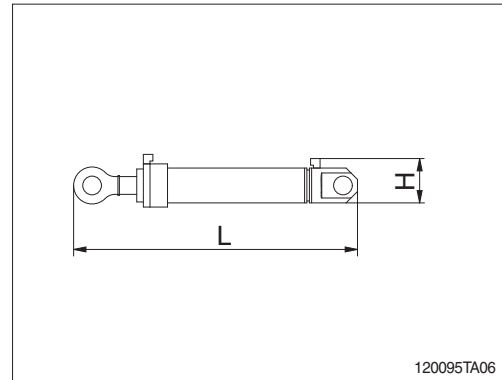
Mark	Description	Unit	Specification
L	Length	mm (ft-in)	2780 (9' 1")
H	Height	mm (ft-in)	2255 (7' 5")
W	Width	mm (ft-in)	2390 (94.1")
Wt	Weight	kg (lb)	5860 (12920)

※ 6.70 m (8.76 yd³) SAE heaped bucket (Included tooth).



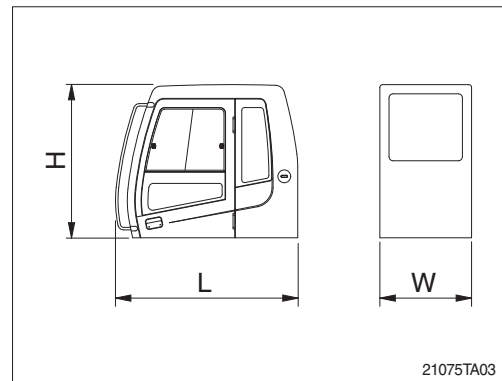
6) BOOM CYLINDER

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	3615 (11' 10")
H	Height	mm (ft-in)	432 (1' 5")
W	Width	mm (ft-in)	340 (1' 1")
Wt	Weight	kg (lb)	2380 (5250)



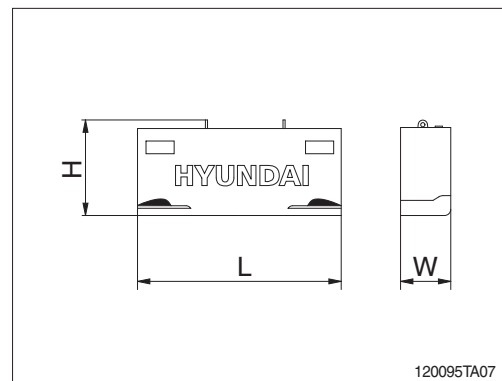
7) CAB ASSEMBLY

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	1962 (6' 5")
H	Height	mm (ft-in)	1676 (5' 6")
W	Width	mm (ft-in)	1288 (4' 3")
Wt	Weight	kg (lb)	310 (680)



8) COUNTERWEIGHT

Mark	Description	Unit	Specification
L	Length	mm (ft-in)	3520 (11' 7")
H	Height	mm (ft-in)	1840 (6' 0")
W	Width	mm (ft-in)	980 (3' 3")
Wt	Weight	kg (lb)	20400 (44980)



3. DISASSEMBLING FOR TRANSPORTATION

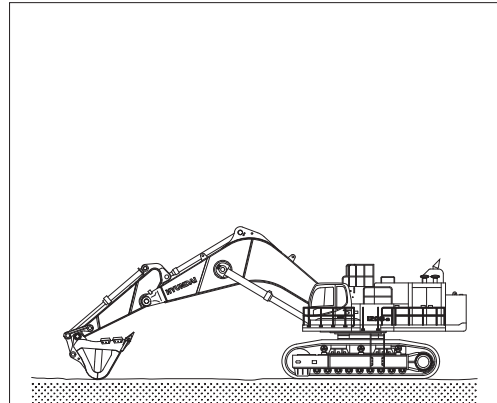
1) DISCONNECTING HYDRAULIC HOSES AND LINES

※ **Consult with your local dealer or Hyundai for the disassembly or assembly of this machine.**

- (1) Position the machine on flat, firm and level ground.
- (2) Retract the bucket cylinder and arm cylinder completely.
- (3) Lower the boom to the ground as shown.
- (4) Stop the engine.
- (5) Move the safety lever down to lock the system securely.
※ Refer to the page 3-29 for details.
- (6) Turn the engine start switch to ON position.
Do not start the engine.
- (7) Pull up the safety lever, Move the left and right operating levers, respectively to the full extension in all directions to remove internal pressure from the hydraulic circuits.
- (8) Turn the star switch to OFF position.
- (9) Release internal pressure in the hydraulic tank through the air breather of the hydraulic tank.
- (10) Disconnect hoses and lines.
※ **Treat oil in an environmentally safe way.**

▲ **Immediately after operating the machine, the hot hydraulic oil can cause severe burns to unprotected skin.**

▲ **These may be residual hydraulic pressure can remain in the hydraulic system.
Serious injury may result if this residual pressure is not released before any service is done on the hydraulic system.**



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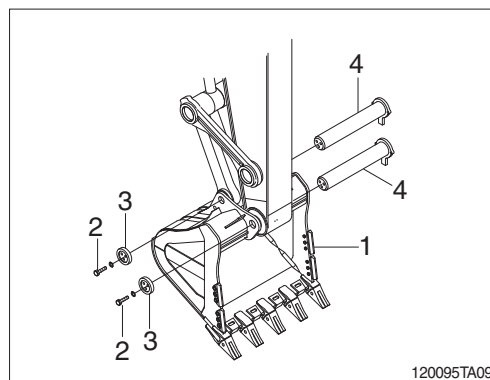
2) ATTACHMENT REMOVAL AND INSTALLATION

※ Follow the disconnecting hydraulic hoses and lines procedure before disassemble the components.

(1) Bucket assembly removal

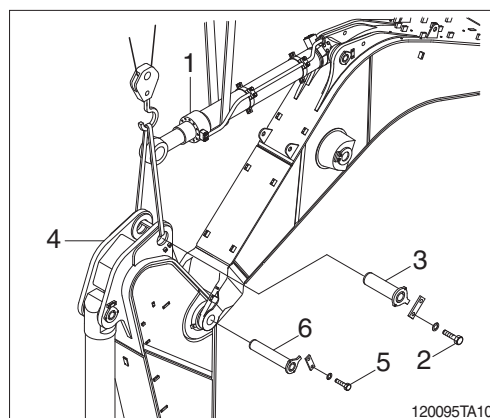
※ Set the back face of the bucket facing down, lower the work equipment completely to the ground.

- ① Remove 3 pin lock bolts (2) of bucket (1) than remove stoppers (3).
- ② Remove pins (4).



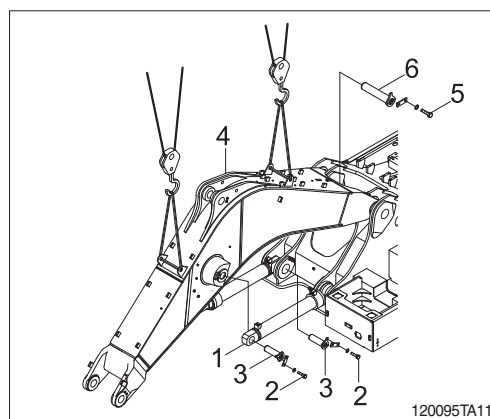
(2) Arm assembly removal

- ① Sling arm cylinder assembly (1) and remove bolts (2) and pull out pin (3).
- ② Sling arm assembly (4) and remove bolts (5) and pull out pin (6).
- ③ Lift off arm assembly (4).



(3) Boom assembly removal

- ① Sling boom cylinder (1) and remove bolts (2) and pull out pin (3).
- ② Sling boom assembly (4) and remove bolts (5) and pull out foot pins (6).
- ③ Lift off boom assembly (4) slowly.



(4) Attachment installation

- ① Carry out installation in the reverse order to removal.

▲ Personal injury or death can occur from a attachment falling during installation.

Do not allow personnel under or around the attachment during installation.

▲ Use certified cables and shackles of adequate load rating. Improper lifting can allow the load to shift and cause injury or death.

3) COUNTERWEIGHT REMOVAL AND INSTALLATION

(1) Counterweight removal

- ① As shown in the illustration, connect the lifting cables or slings with sufficient strength for the counterweight at the lifting eye correctly.
- ② Disassemble four bolts.
- ③ Lift the counterweight enough.
- ④ Place the counterweight onto suitable support.

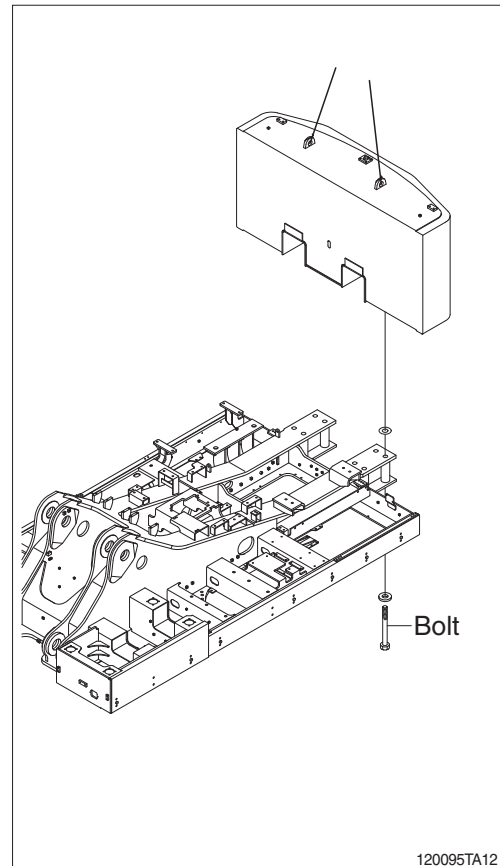
(2) Counterweight installation

- ① Carry out installation in the reverse order to removal.
 - Tightening torque : $390 \pm 40 \text{ kgf} \cdot \text{m}$
($2820 \pm 290 \text{ lbf} \cdot \text{ft}$)

▲ Personal injury or death can occur from a counterweight falling during installation.

Do not allow personnel under or around the counterweight during installation.

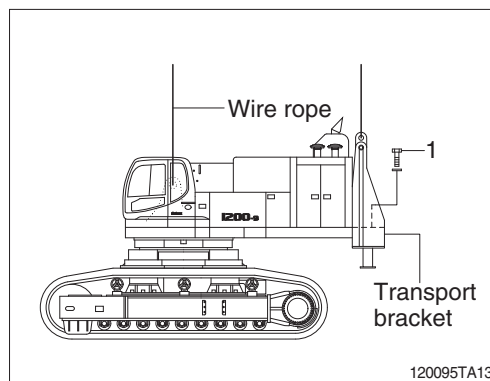
▲ Use certified cables and shackles of adequate load rating. Improper lifting can allow the load to shift and cause injury or death.



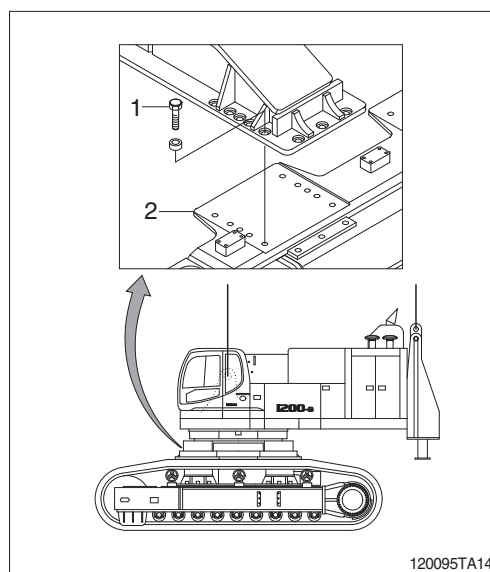
4) UPPER STRUCTURE REMOVAL AND INSTALLATION

(1) Upper structure removal

- ① Remove work equipment assembly.
※ Refer to the page 5-5 for details.
- ② Remove counterweight assembly.
※ Refer to the page 5-6 for details.
- ③ Assemble transport bracket by bolt (1).
- ④ Install wire rope for upper frame assembly.

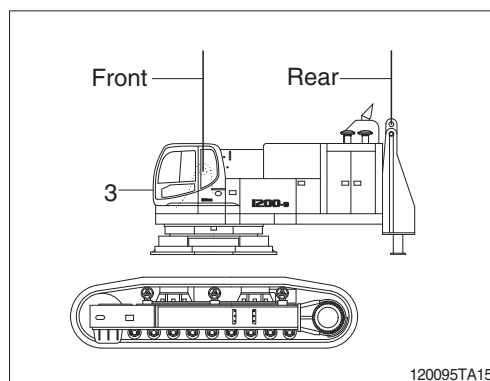


- ⑤ Remove 13 mounting bolts (1) and spacers from lower track (2).



- ⑥ Lift off revolving upper structure assembly (3).

- Front lifting load : 2840 kg (6260 lb)
- Rear lifting load : 1260 kg (2780 lb)



(2) Upper structure installation

- ① Carry out installation in the reverse order to removal.
 - Tightening torque : $483 \pm 48 \text{ kgf} \cdot \text{m}$ ($3490 \pm 347 \text{ lbf} \cdot \text{ft}$)

⚠ **Personal injury or death can occur from a upper structure falling during installation.**

Do not allow personnel under or around the counterweight during installation.

⚠ **Use certified cables and shackles of adequate load rating. Improper lifting can allow the load to shift and cause injury or death.**