GEN00017-00

FIELD ASSEMBLY INSTRUCTION

GALEO HN300-1 ARTICULATED DUMP TRUCK

MACHINE MODEL

SERIAL NUMBER

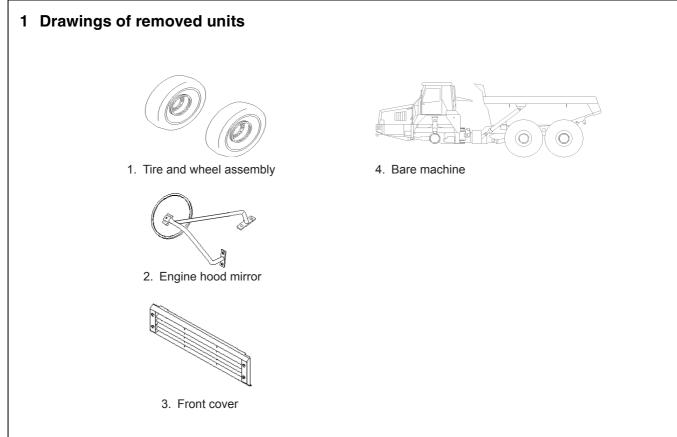
HM300-1

1001 and up



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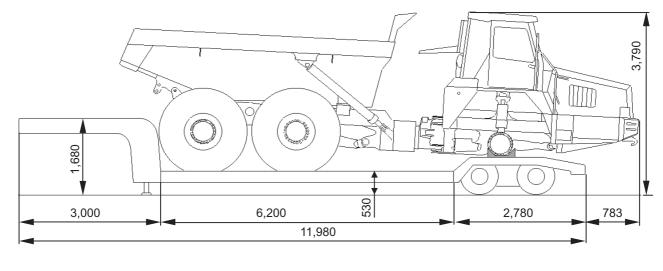
Specifications of completed truck

Specifications	Related items					
opecifications	Weight (kg)	Overall length (mm)	Overall width (mm)	Overall height (mm)		
Self-propelled travel	23,545 (Weight of machine)	10,095	3,195	3,500 (When empty)		

2 Dimensions of removed units

No.	Unit name	Weight (kg)	Overall length (mm)	Overall width (mm)	Overall height (mm)
1	Tire and wheel assembly	520	1,602	513	_
2	Engine hood mirror	1	500	200	200
3	Front cover	12	1,032	-	350
4	Bare machine	20,760	10,095	3,195	3,500

Drawings of bare machine on trailer



3 Assembly procedure, necessary equipments, and schedule Day 1st day Hour 1 2 3 4 5 7 6 8 Assembly unit \bigcirc \bigcirc (\bigcirc) \bigcirc (1) Positioning chassis on stand (1) Installing tires (2) Installing engine hood mirror (3) Installing front bumper Assembly manual No. A-2 to A-4 A-1 2 units Crane (Hydraulic, with operator) 245 kN {25 ton} 245 kN {25 ton} 3.7m³/min Air compressor (KOMATSU EC35Z5 or equivalent) Generator For driving air compressor Number of workers 3 Forklift 19.6 kN {2 ton} Meeting before work Removing wood blocks Completion of assembly Remarks Unloading Starting assembly

4 Necessary tools and equipments (1) Necessary tools

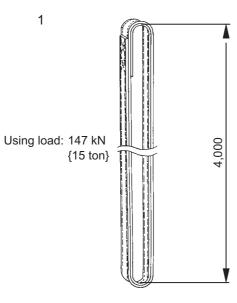
No.	Tool name	Specifications	Q'ty	Remarks
1	Ring wrench	19 mm	1	For installing hood mirror and front cover
2	Socket	36 mm (Insertion angle: 25.4°)	1	For installing tire
3	Extension bar	25.4° × L160 mm	1	For installing tire
4	Impact wrench	GT-S22M or equivalent	1	For installing tire
5	Torque wrench	For measurement of 927 Nm {94.5 kgm}	1	For installing tire
6	Bar		1	For adjusting holes of tire
7	Paint spray can	Clear	2	For touching up bolt head

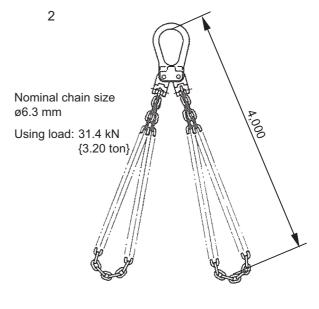
(2) Necessary equipments

No.	Equipment name	Specifications	Q'ty	Remarks
1	Truck crane	Min. 245 kN {25 ton}	2	For slinging bare machine
2	Forklift	Min. 19.6 kN {2 ton}	1	For installing tire
3	Compressor	Capacity: Min. 32 ℓ	1	For impact wrench
4	Stepladder (Work stand)	4 steps (About 1.5 m)	1	For work
5	Steel plate	t9 × 1,219 × 2,438 mm	1	For positioning bare machine
6	Wood block	400 × 400 × 900 mm	6	For positioning bare machine

(3) Necessary slings

No.	Sling name	Specifications	Q'ty	Remarks
1	Nylon sling	For 147 kN {15 ton} × L4000 mm	4	For slinging bare machine
2	Tire sling	L4000, nominal chain size: ø6.3 mm	1	For slinging tire

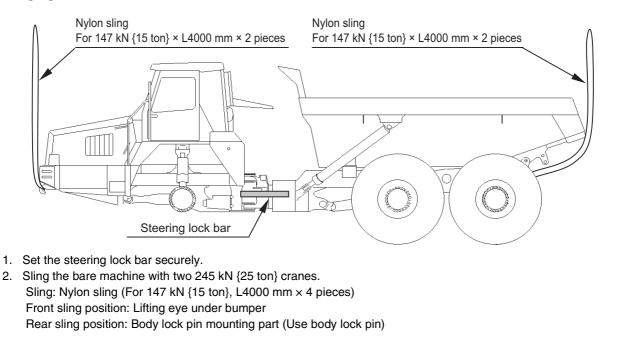




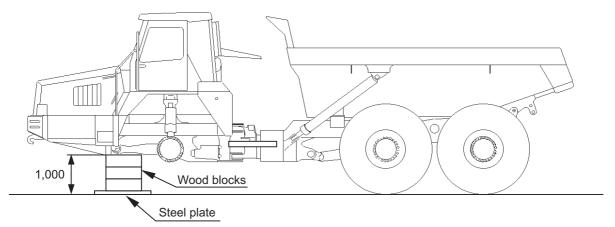
A-1

Positioning bare machine

1. Slinging bare machine



2. Positioning bare machine

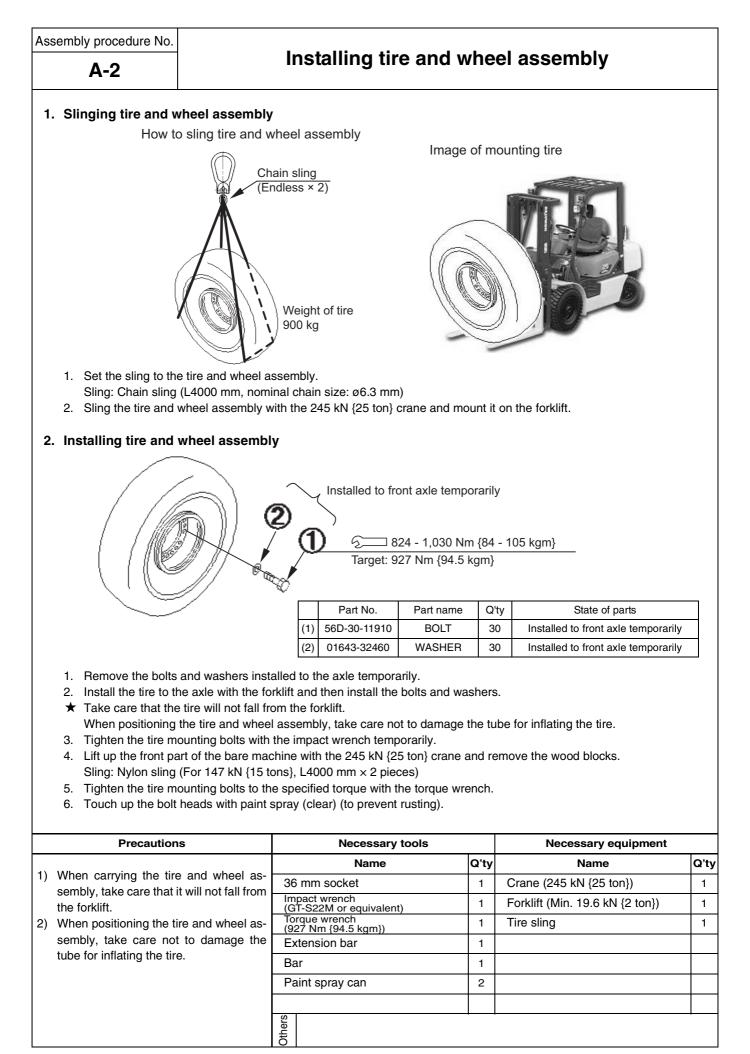


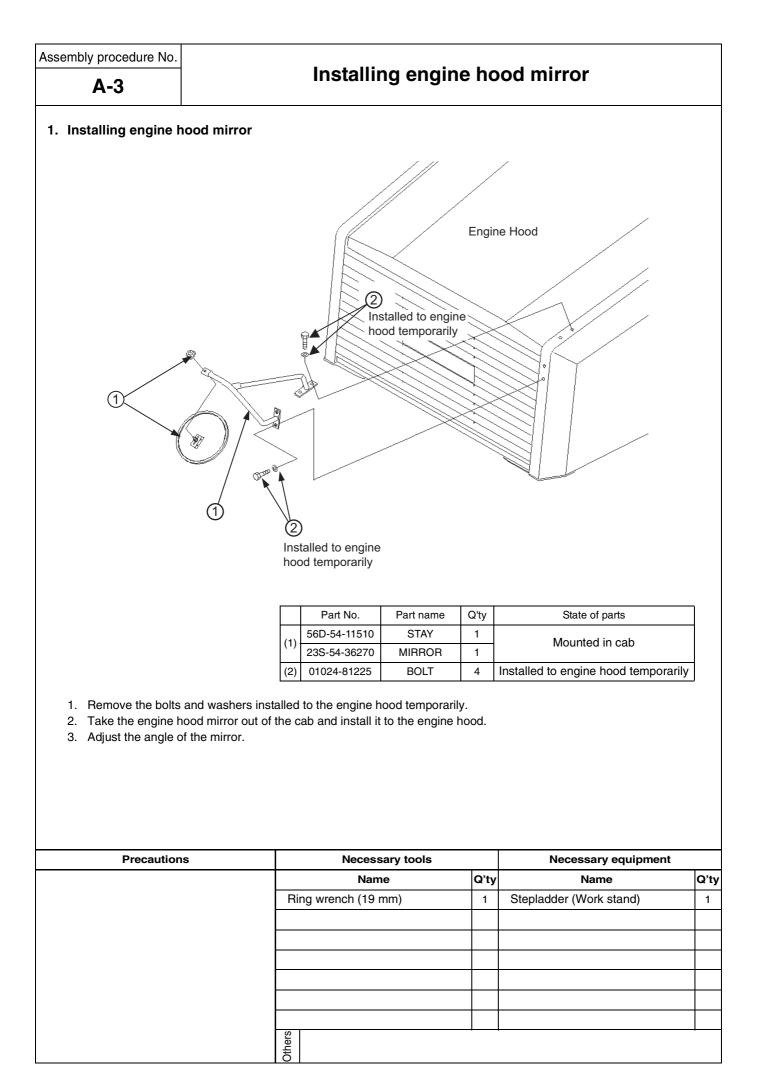
Position the bare machine as shown above.

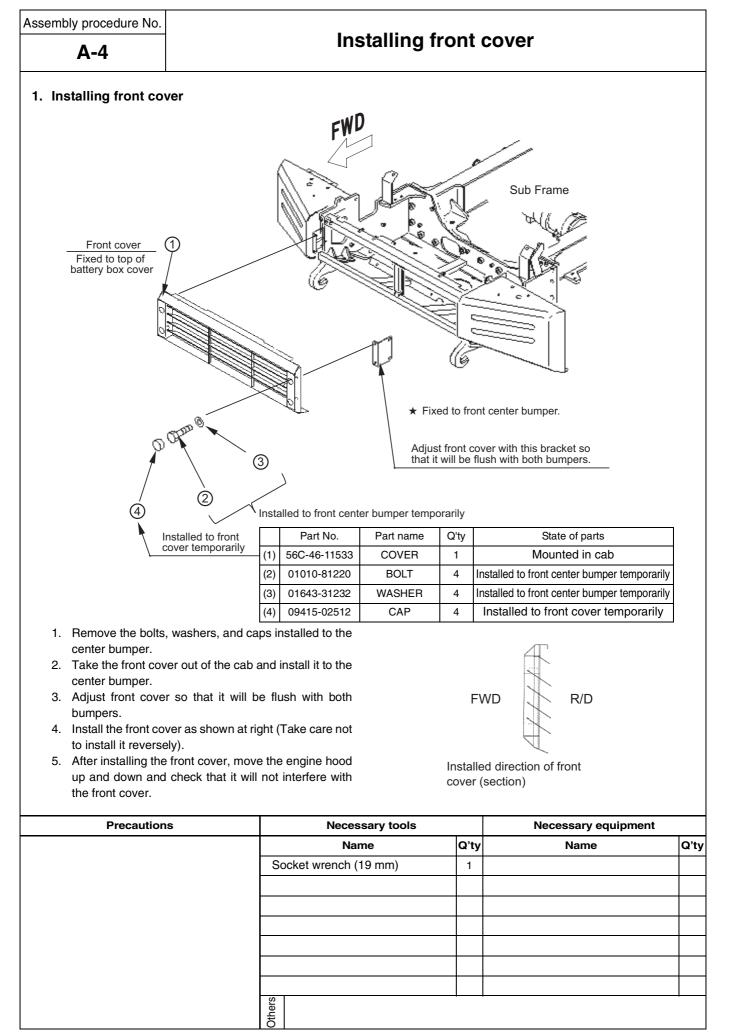
(Secure the ground clearance shown above so that you can install the tire and wheel assembly.)

When positioning the bare machine on the ground, place a steel plate under the wood blocks so that the bare machine will not sink and lean. $(1219 \times 2438 \times 9t \times 1 \text{ piece})$

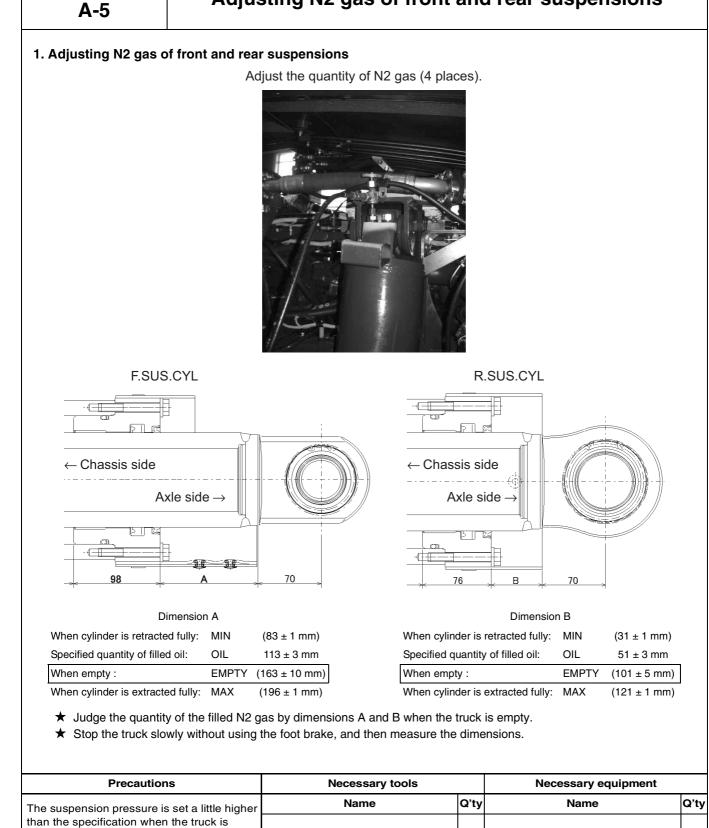
Precautions	Necessary tools		Necessary equipment		
Before starting the work, set the steering lock	Name	Q'ty	Name	Q'ty	
bar securely.			Crane (245 kN {25 ton})	2	
			Nylon sling	4	
			Steel plate (1219 \times 2438 \times t9)	1	
			Wood blocks ($400 \times 400 \times 900$)	6	
Others				•	
(t)					







Adjusting N2 gas of front and rear suspensions



delivered. Accordingly, adjust it according to

Others

the above procedure.

SLINGING PROCEDURE

Contents

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4	Related specifications	13

CAUTION

This section describes the procedure for slinging a completed truck with 1 crane when it needs to be slung and carried in a harbor, etc.

For the ordinary work, sling the truck with 2 cranes described in Assembly procedure No. A-1.

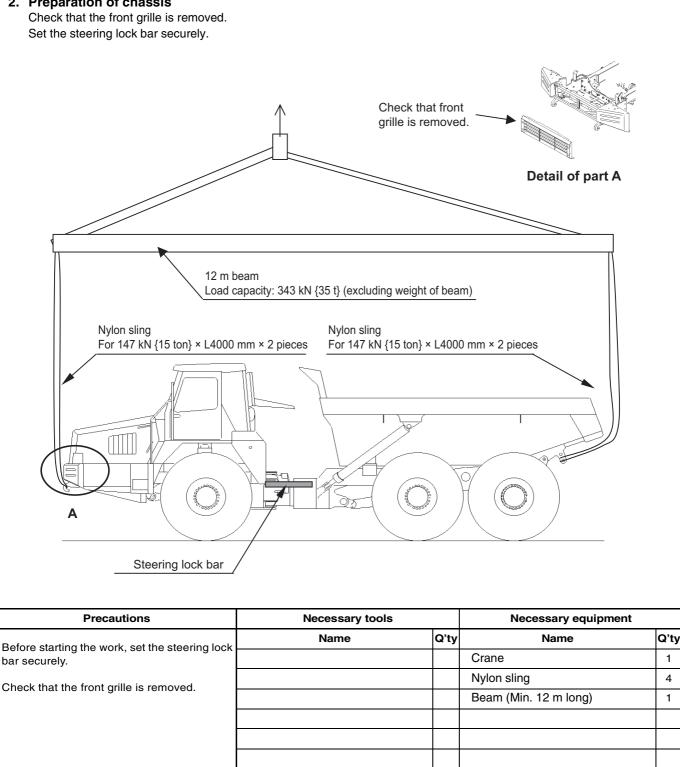
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Preparation (When slinging with 1 crane)

1. Preparation of sling and crane

Beam Length: Min. 12 m, Load capacity: Min. 343 kN {35 ton} (excluding weight of beam) Crane Lifting capacity shall be total of 343 kN {35 ton} and weight of beam and sling. Lifting height shall be total of 7 m and necessary height of lifted chassis. 4×147 kN {15-ton} slings (Apply pads to parts of truck (4 places) which interfere with chassis.) Nylon sling

2. Preparation of chassis



Others

Slinging procedure No. for completed truck

or completed truc 2

How to install sling (When slinging with 1 crane)

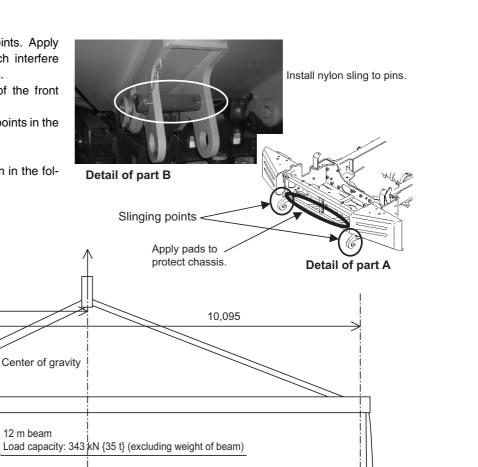
1. Installing points of sling

Install the sling to the following 4 points. Apply pads to the parts of chassis which interfere with the sling to protect the chassis.

- Towing hooks at the bottom of the front side Install the sling to the 2 circled points in the
- figure at right. 2. Body lock pin

Install the sling to pins B shown in the following figure.

5,090

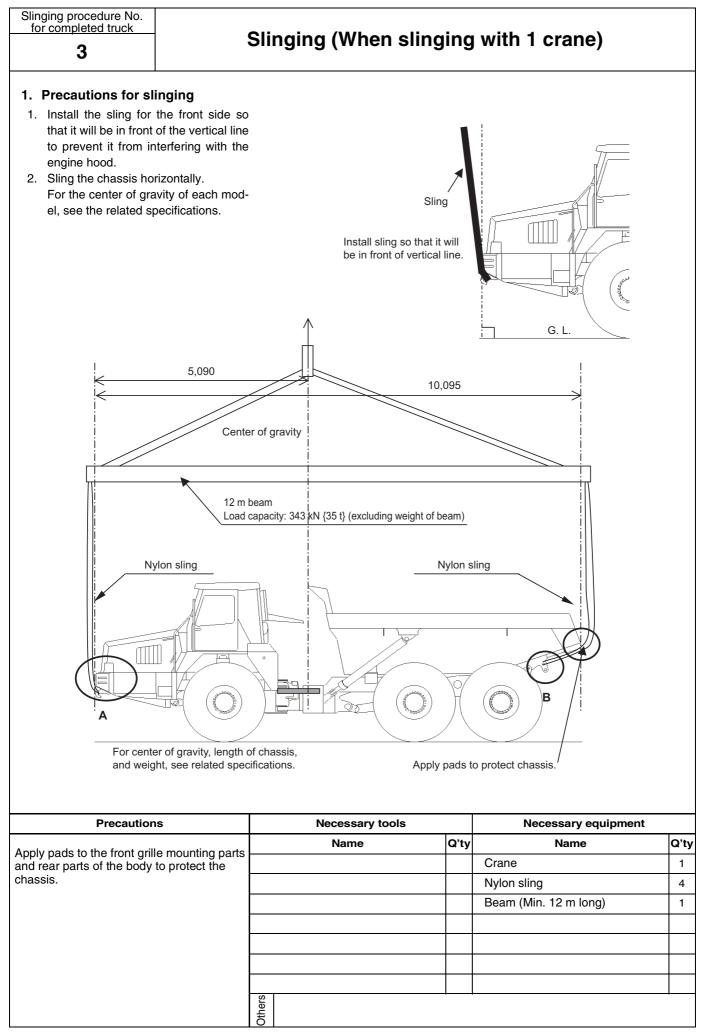


12 m beam Load capacity: 343 kN {35 t} (excluding weight of beam) Nylon sling Nylon sling Nylon sling Nylon sling

For center of gravity, length of chassis, and weight, see related specifications.

Apply pads to protect chassis.[/]

Precautions	Neces	sary tools		Necessary equipment	
Apply pade to the front arille mounting parts	Nar	ne C	ָאַינץ	Name	Q'ty
Apply pads to the front grille mounting parts and rear parts of the body to protect the				Crane	1
chassis.				Nylon sling	4
				Beam (Min. 12 m long)	1
	Others				-



4



1. Specifications

The specifications necessary for slinging the completed truck are shown below.

	HM300-1
Total weight of empty truck	23,545 kg
Overall length	10,095 mm
Overall width	3,195 mm
Overall height	3,500 mm
Distance from front end of chassis to center of gravity	Approx. 5,090 mm

CAUTION

The above are the standard data. Note that the total weight, dimensions, center of gravity, etc. may change, depending on the installed options and attachments.

Precautions	Necessary too	ls	Necessary equipment	
When installing an option or an attachment,	Name	Q'ty	Name	Q'ty
change the above data accordingly.				
	Others			