

# Field Assembly Instruction

DUMP TRUCK

**HD785-7**

SERIAL NUMBERS 8393 and up

For 3,200mm width (disassembled packing style)



CONTENTS

1. Outline of division (Only main components).....	1
2. Dimensions of main components .....	2
3. Rough schedule of assembly .....	3
4. Assembly process .....	6

\*See a separate volume of “Field assembly procedure” for list of facility, jigs and tools and list of wear and tear parts.

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- This field assembly procedure is for welding and assembly for 3,200mm width (disassembled packing style).
  - See the latest “field assembly procedure” of HD785-7 for normal assembly work other than described in this field assembly procedure.
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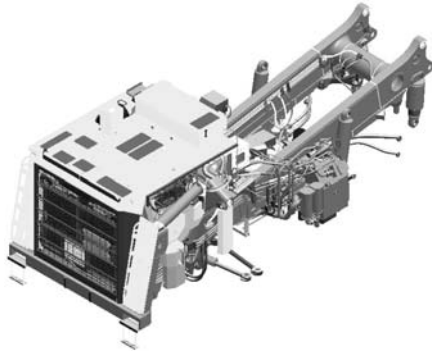
## CONTENTS

### 4. Assembly process No.

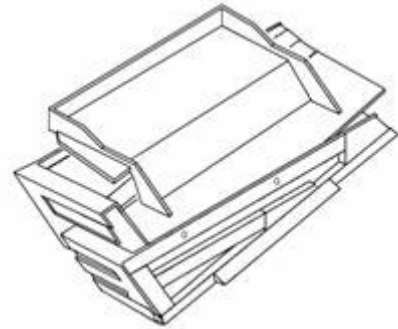
No.	Item	Page
0010	Positioning bare machine	6
0020	Positioning rear axle assembly	7
0070	Fixing of air cleaner	8
0080	Connection of air cleaner and intake box	9
0210	Installation of jump start (1) (Jump start specification: Optional)	10
0211	Installation of jump start (2) (Jump start specification: Optional)	11
0212	Installation of jump start (3) (Jump start specification: Optional)	12
0213	Installation of jump start (4) (Jump start specification: Optional)	13
0220	Installation of jump start guard (Jump start specification: Optional)	14
0230	Installation of jump start cover (Jump start specification: Optional)	15
0240	Installation of rear lamp assembly	16
0250	Installation of dump sensor	17

## 1. Outline of division (Only main components)

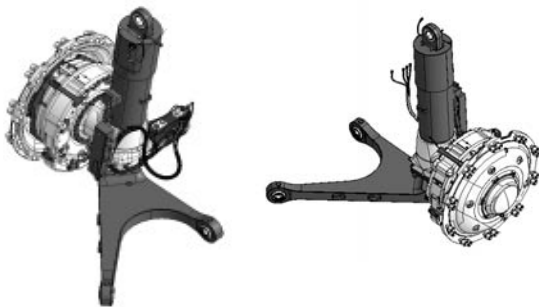
1. Bare machine



2. Dump body (Divided into 3)



3. Front axle assembly



4. Rear axle and tire assembly



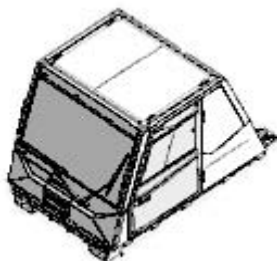
5. Front tire and wheel assembly



6. Fuel tank



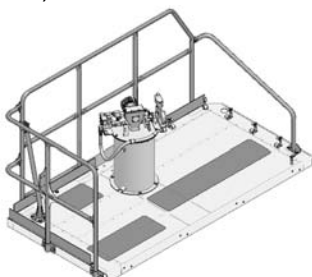
7. Cab assembly



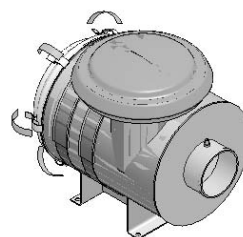
8. Cab step assembly



9. Platform(R.H.)



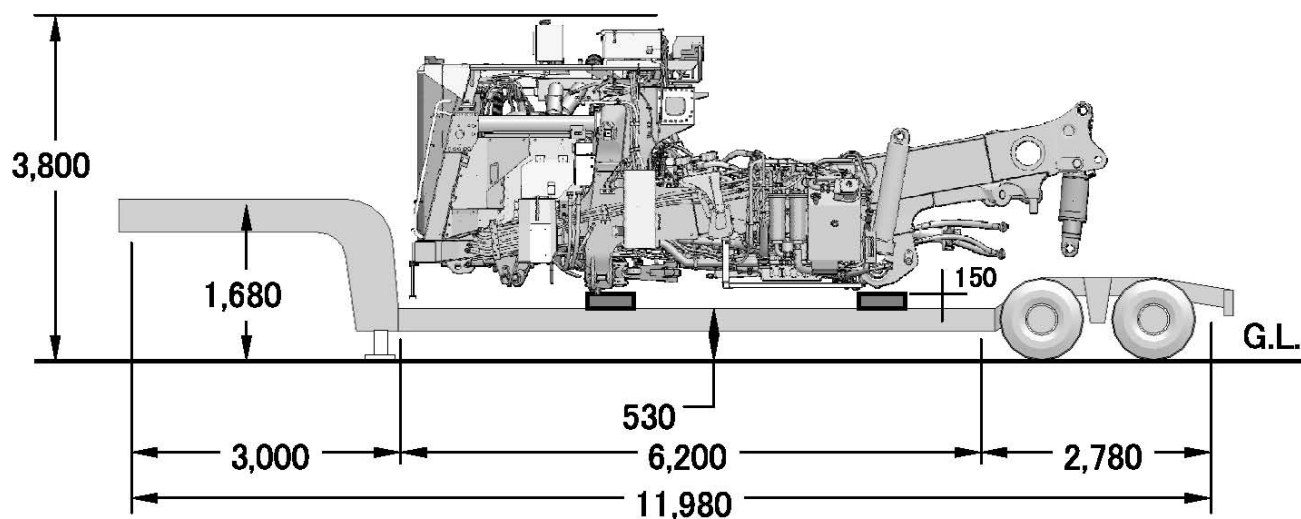
10. Air cleaner



## 2. Dimensions of main components

No.	Unit name	Weight (kg)	Overall length (mm)	Overall width (mm)	Overall height (mm)
1	Bare machine	21,480	7,930	3,190	3,120
2	Dump body	15,400	7,250	3,100	3,100
3	Right and left front axle assembly	2,400	2,200	1,700	2,100
4	Rear axle and tire assembly	18,280	5,150	2,880	2,790
5	Front tire and wheel assembly (1 set)	1,160	1,460	1,460	750
6	Fuel tank	700	1,450	1,100	1,500
7	Cab	3,000	2,760	2,010	2,190
8	Cab step assembly	127	2,500	2,330	1,190
9	Platform(R.H.)	140	2,410	1,300	1,190
10	Air cleaner	23	630	560	670

### Drawing of bare machine on trailer

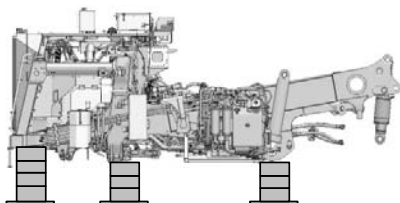
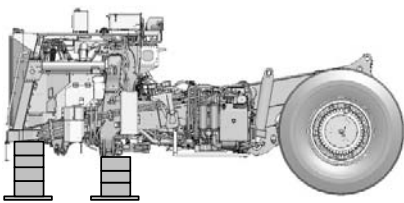







### Reference

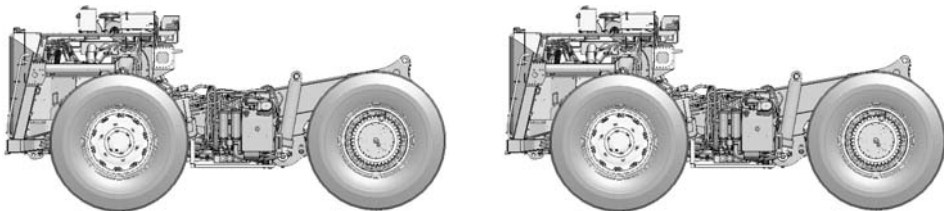



#### Specifications of completed truck

Specifications		Related items			
		Weight (kg)	Overall length (mm)	Overall width (mm)	Overall height (mm)
In self-propelled travel	HD785-7	64,600 (Mass of machine)	10,290 (Front bumper – End of body)	5,528	5,047 (When empty)

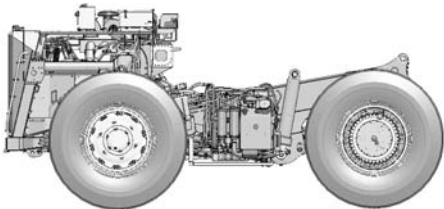



### 3-1. Rough schedule of assembly

<div>Day</div> <div>Hour</div>	1st day							
	1	2	3	4	5	6	7	8
Condition of chassis								
Rough contents of assembly work	Positioning bare machine				Positioning and installation of rear axle Piping and wiring			
Crane	 490 kN {50 ton}							
Forklift	 4 ton							
Number of workers	2							

3-2. Rough schedule of assembly

<div>Day</div> <div>Hour</div>	2nd day							
	1	2	3	4	5	6	7	8
Condition of chassis								
Rough contents of assembly work	Installing of front axle Piping and wiring				Installing of fuel tank Piping and wiring			
Crane								
Forklift								
Number of workers	2							

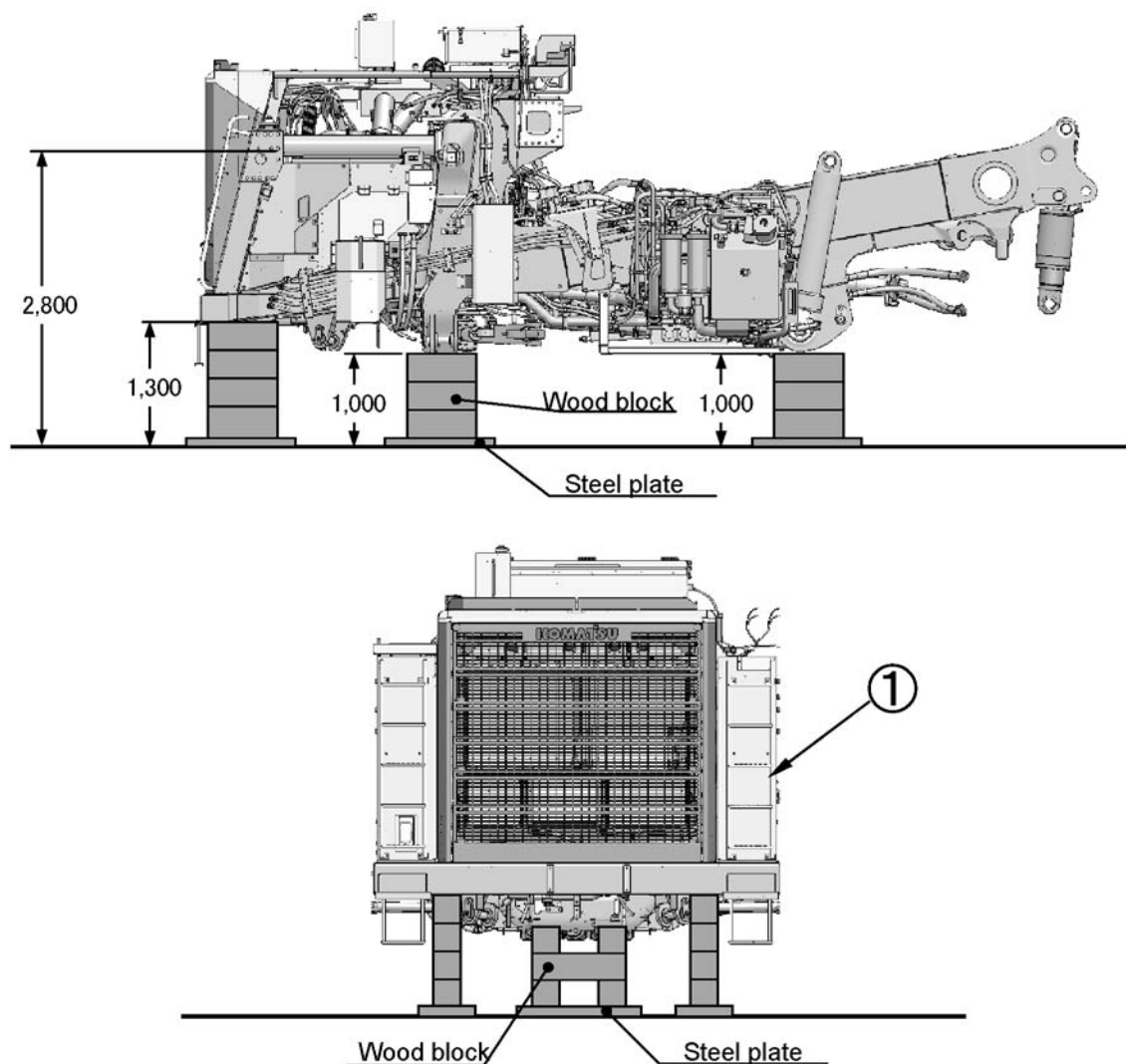
3-3. Rough schedule of assembly

<div>Day</div> <div>Hour</div>	3rd day			
	1	2	3	4
Condition of chassis				
Rough contents of assembly work	Installing of air cleaner, rear lamp, and dump sensor Piping and wiring			
Crane				
Forklift				
Number of workers	2			



Assembly process No.	<b>Positioning bare machine</b>
<b>0010</b>	

### Positioning bare machine



1. Set the wooden blocks 1 m high under the vertical member as shown above.  
(If wooden blocks are set under the bumper, the machine is more stabilized.)  
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.

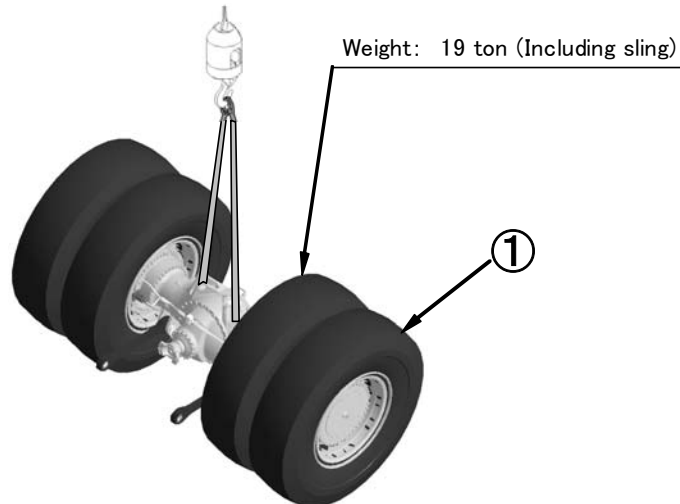
	Part No.	Part name	Q'ty	Condition of parts (Parts list No.)
(1)	561-00-8000H	Chassis assembly	4	Packed separately (HD785-7G-015)

Precautions	Necessary tools		Necessary equipment	
Take care that the chassis will not move.  Set the bare machine to proper height so that you can install the front tires.	Name	Q'ty	Name	Q'ty
	Wood block	20		
	(300 mm square, 1 m)			
	Steel plate	5		
Other remarks				

Assembly process No.	<b>Positioning rear axle assembly</b>
<b>0020</b>	

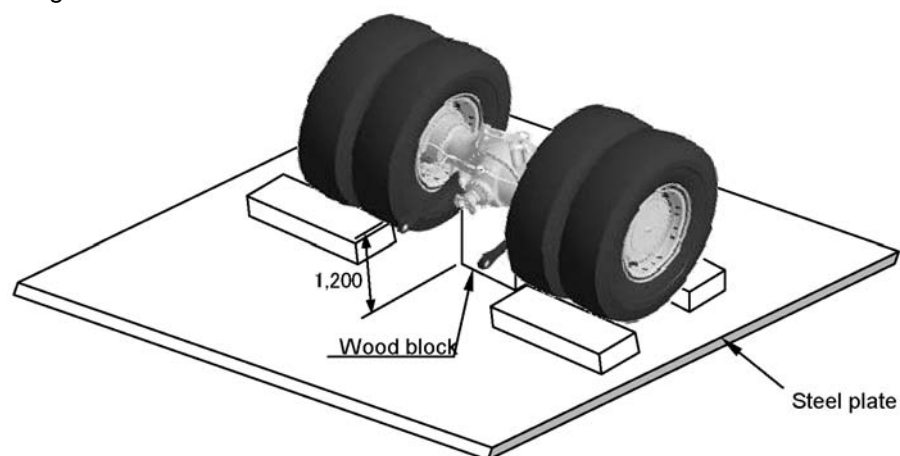
### Slinging of rear axle

1. Sling the rear axle and tire assembly with a 50 ton crane.  
Slinging position: Rod mounting portion on differential



### Positioning of rear axle

1. Position the rear axle. See the following figure.  
(Secure the ground clearance under the coupling section so that the rear axle assembly will be horizontal.)  
When positioning the rear axle on the ground, prevent slanting of the machine caused by subsidence of the ground.



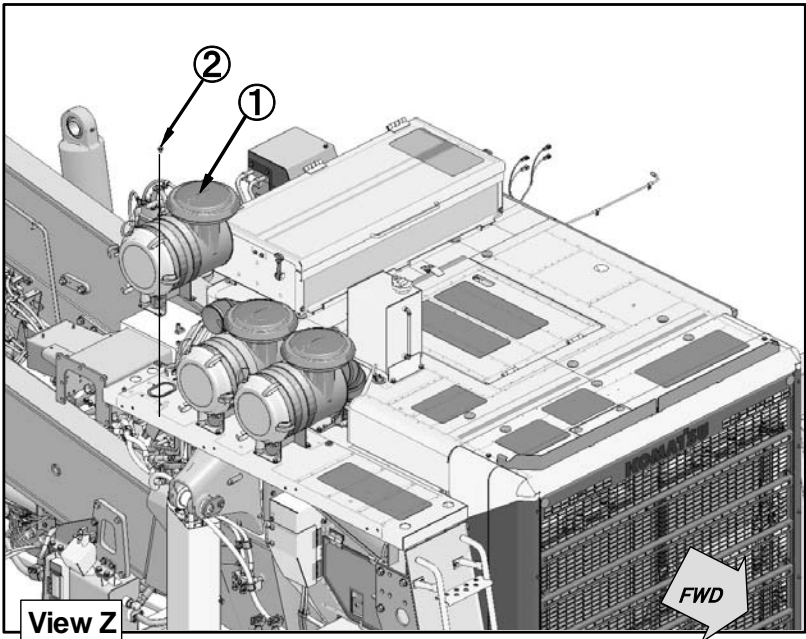
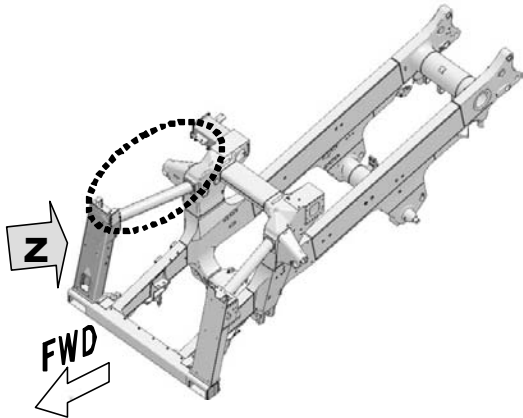
	Part No.	Part name	Q'ty	Condition of parts (Parts list No.)
(1)	561-22-7G000	Axle G.	1	Packed separately (HD785-7G-020)

	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
Lock the wheels with chocks to prevent the rear axle from moving.	Nylon sling (250 mm wide × 5 m)	1	Crane (50 ton)	1
			Steel plate	1
Other remarks				

Assembly process No.	Installation of air cleaner
0070	

Installation of air cleaner

1. Install the air cleaner assembly with the parts that have been installed temporarily.



	Part No.	Part name	Q'ty	Condition of parts (Parts list No.)
(1)	6217-81-710A	Air cleaner assembly	3	Packed separately (HD785-7G-075)
(2)	01024-81225	Bolt	12	Temporarily installed to right platform

Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
	Nylon sling (250 mm wide x 5 m)	1	Crane (50 ton)	1
Other remarks				