

***FIELD ASSEMBLY
INSTRUCTION***

**GALEO
HM400-1**

ARTICULATED DUMP TRUCK

MACHINE MODEL

SERIAL NUMBER

HM400-1

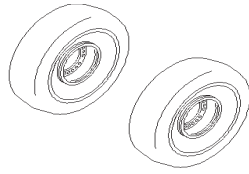
1001 and up

KOMATSU

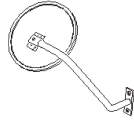
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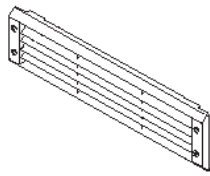
1 Drawings of removed units



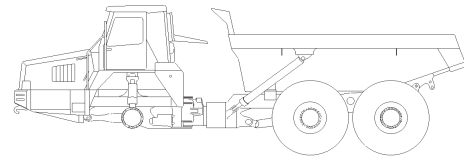
1. Tire and wheel assembly



2. Engine hood mirror



3. Front cover



4. Bare machine



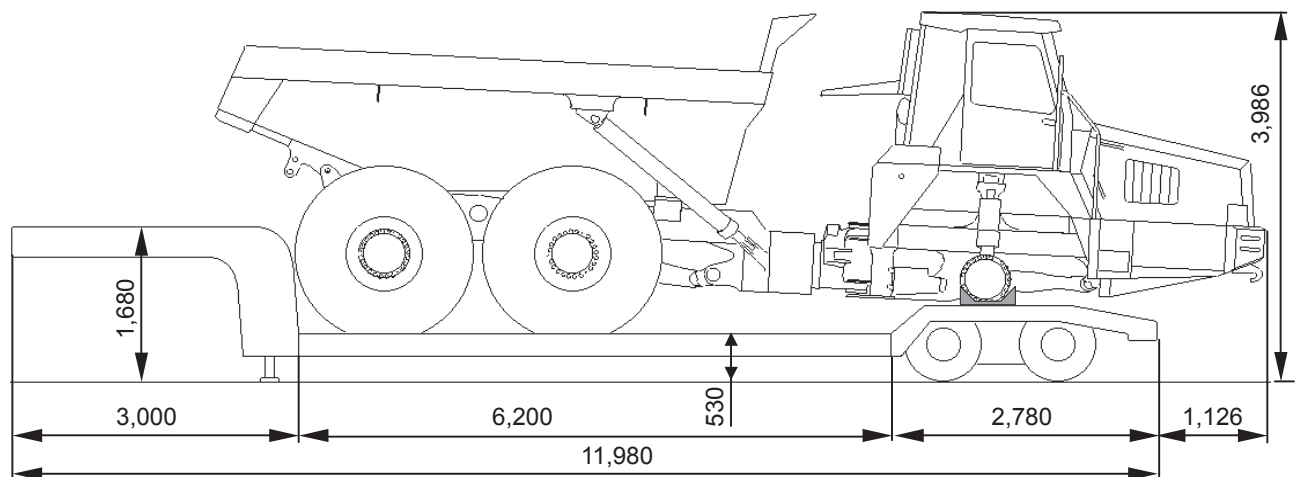
Specifications of completed truck

Specifications	Related items			
	Weight (kg)	Overall length (mm)	Overall width (mm)	Overall height (mm)
Self-propelled travel	30,350 (Weight of machine)	11,025	3,450	3,700 (When empty)

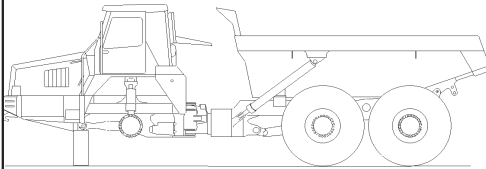
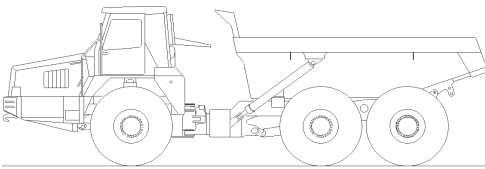
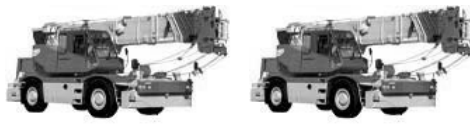






2 Dimensions of removed units

No.	Unit name	Weight (kg)	Overall length (mm)	Overall width (mm)	Overall height (mm)
1	Tire and wheel assembly	900	1,972	883	–
2	Engine hood mirror	1	500	200	200
3	Front cover	15	1,404	–	377
4	Bare machine	28,550	11,025	3,450	3,700

Drawings of bare machine on trailer



3 Assembly procedure, necessary equipments, and schedule

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

4 Necessary tools and equipments

(1) Necessary tools

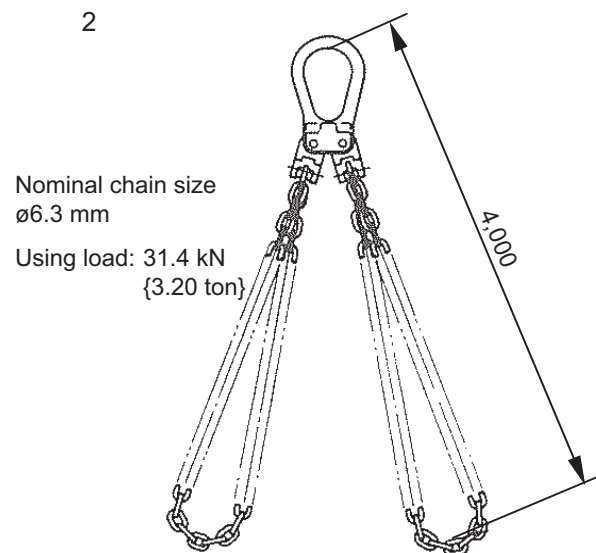
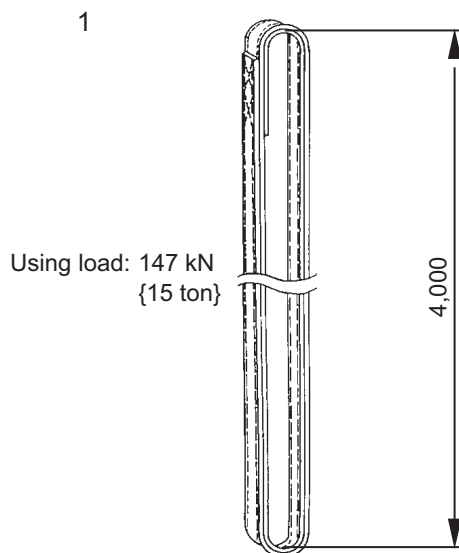
No.	Tool name	Specifications	Q'ty	Remarks
1	Ring wrench	19 mm	1	For installing hood mirror and front cover
2	Socket	36 mm (Insertion angle: 25.4°)	1	For installing tire
3	Extension bar	25.4° × L160 mm	1	For installing tire
4	Impact wrench	GT-S22M or equivalent	1	For installing tire
5	Torque wrench	For 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

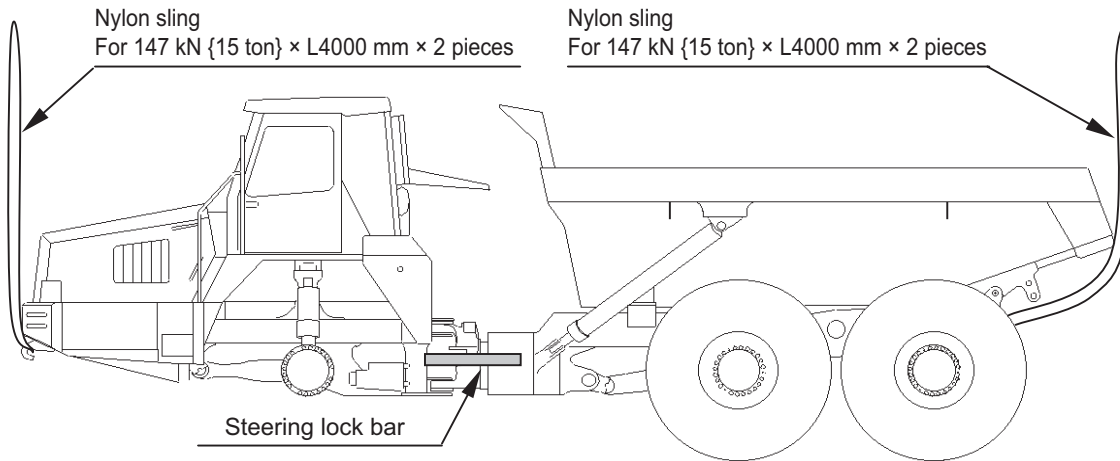
(3) Necessary slings

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 mm, nominal chain size: ø6.3 mm	1	For slinging tire



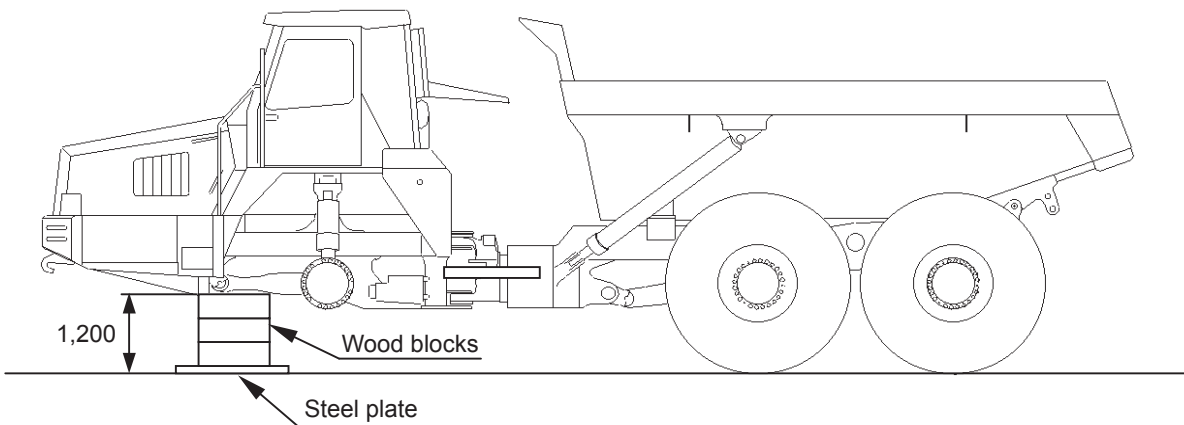
Positioning bare machine

1. Slinging bare machine



1. Set the steering lock bar securely.
2. Sling the bare machine with two 245 kN {25 ton} cranes.
 Sling: Nylon sling (For 147 kN {15 ton}, L4000 mm × 4 pieces)
 Front sling position: Lifting eye under bumper
 Rear sling position: Body lock pin mounting part (Use body lock pin)

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 × 2438 × 9t × 1 piece)

Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
Before starting the work, set the steering lock bar securely.			Crane (245 kN {25 ton})	2
			Nylon sling	4
			Steel plate (1219 × 2438 × t9)	1
			Wood blocks (400 × 400 × 900)	6
	Others			

Installing tire and wheel assembly

1. Slinging tire and wheel assembly

How to sling tire and wheel assembly

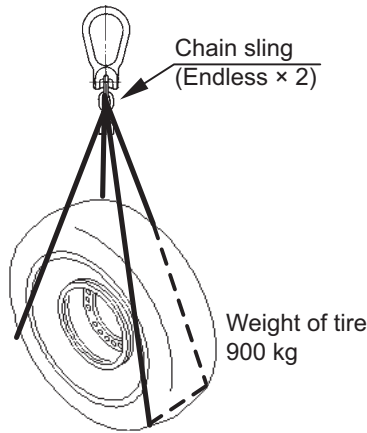
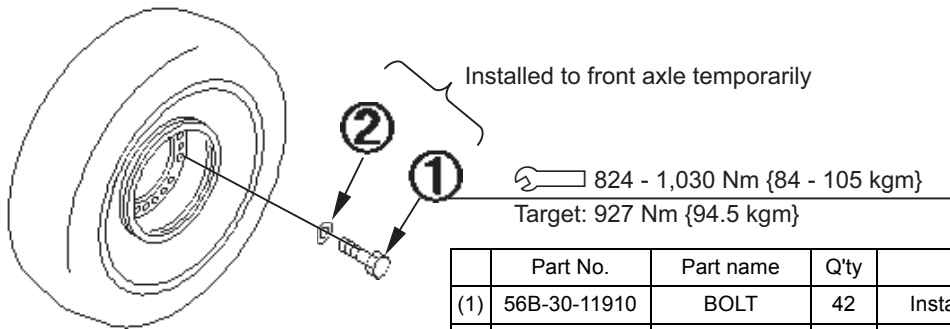


Image of mounting tire



1. Set the sling to the tire and wheel assembly.
Sling: Chain sling (L4000 mm, nominal chain size: $\phi 6.3$ mm)
2. Sling the tire and wheel assembly with the 245 kN {25 ton} crane and mount it on the forklift.

2. Installing tire and wheel assembly

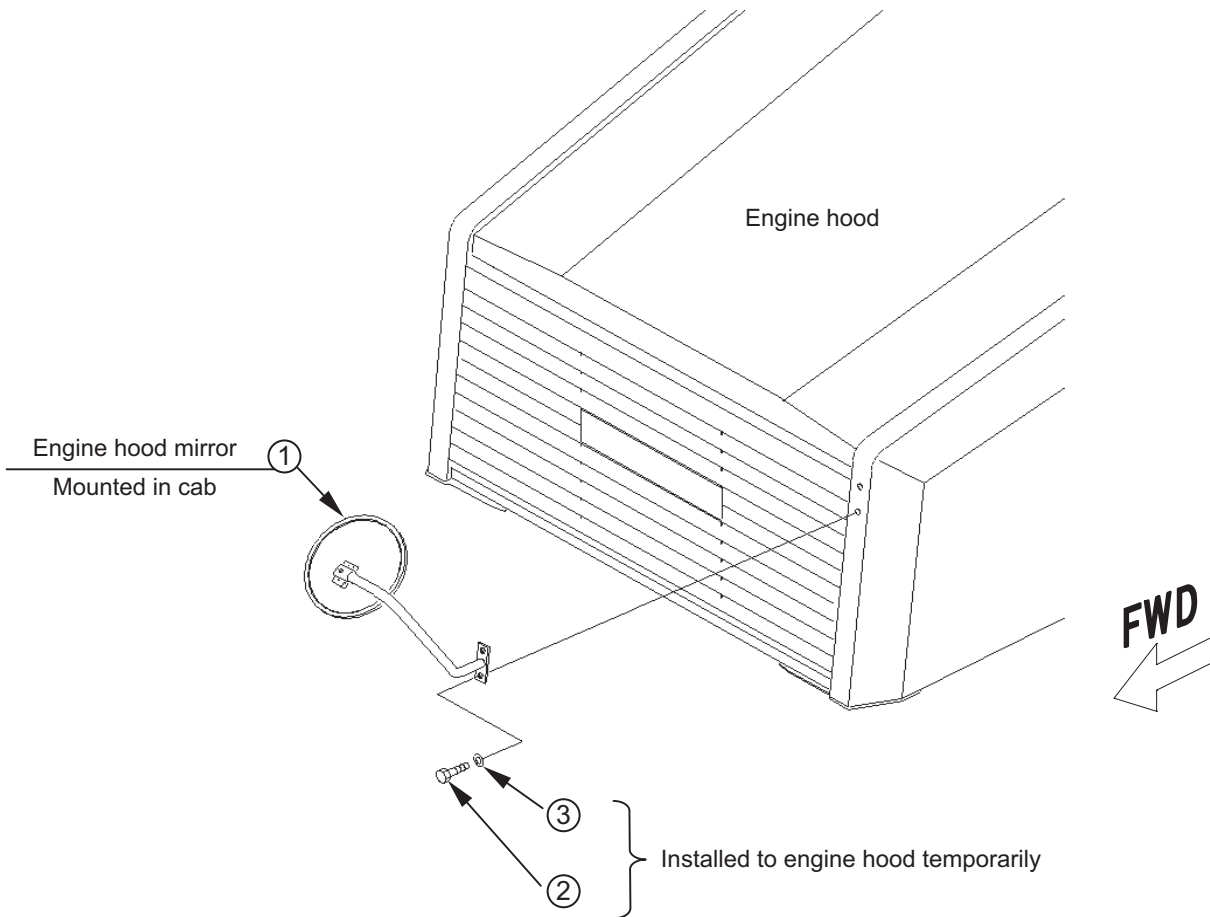


1. Remove the bolts and washers installed to the axle temporarily.
2. Install the tire to the axle with the forklift and then install the bolts and washers.
★ Take care that the tire will not fall from the forklift.
When positioning the tire and wheel assembly, take care not to damage the tube for inflating the tire.
3. Tighten the tire mounting bolts with the impact wrench temporarily.
4. Lift up the front part of the bare machine with the 245 kN {25 ton} crane and remove the wood blocks.
Sling: Nylon sling (For 147 kN {15 tons}, L4000 mm \times 2 pieces)
5. Tighten the tire mounting bolts to the specified torque with the torque wrench.
6. Touch up the bolt heads with paint spray (clear) (to prevent rusting).

Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
1) When carrying the tire and wheel assembly, take care that it will not fall from the forklift. 2) When positioning the tire and wheel assembly, take care not to damage the tube for inflating the tire.	36 mm socket	1	Crane (245 kN {25 ton})	1
	Impact wrench (GT-S22M or equivalent)	1	Forklift (Min. 19.6 kN {2 ton})	1
	Torque wrench (927 Nm {94.5 kgm})	1	Tire sling	1
	Extension bar	1		
	Bar	1		
	Paint spray can	2		
Others				

Installing engine hood mirror

1. Installing engine hood mirror



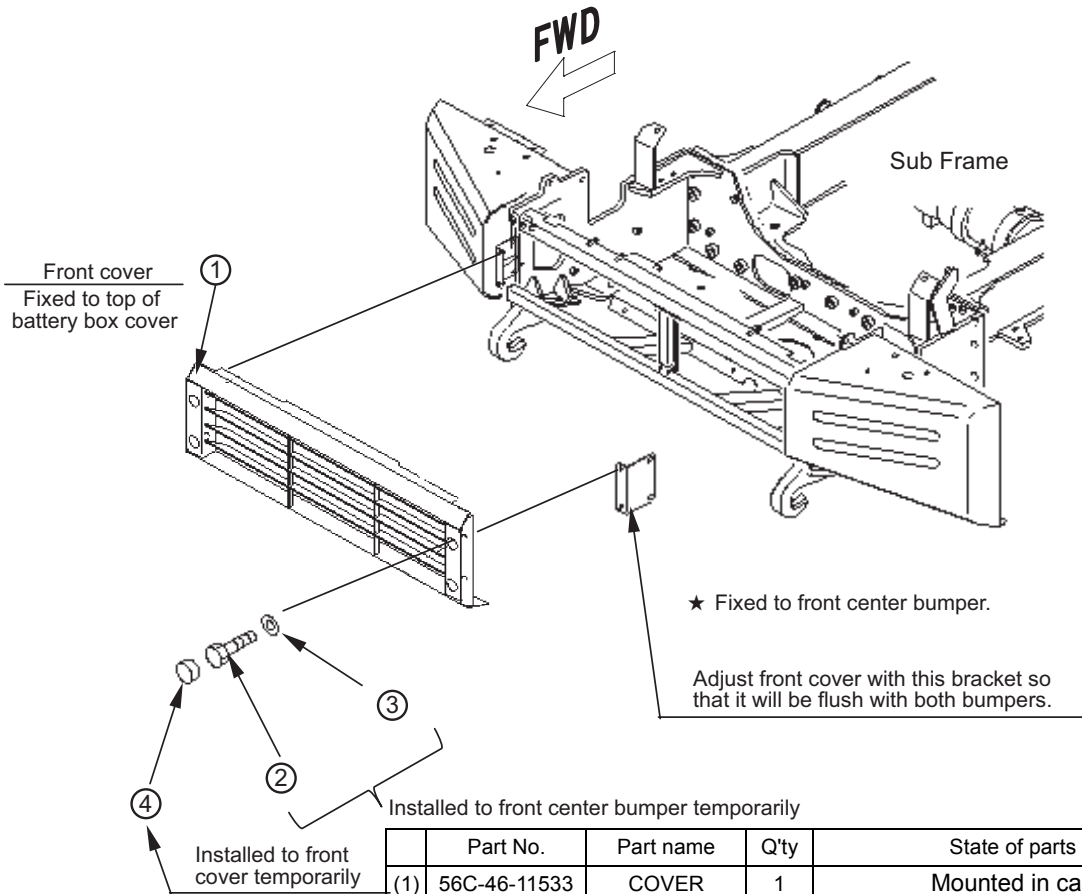
	Part No.	Part name	Q'ty	State of parts
(1)	56B-54-11512	STAY	1	Mounted in cab
	23S-54-36270	MIRROR	1	
(2)	01010-81225	BOLT	2	Installed to engine hood temporarily
(3)	01643-31232	WASHER	2	Installed to engine hood temporarily

1. Remove the bolts and washers installed to the engine hood temporarily.
2. Take the engine hood mirror out of the cab and install it to the engine hood.
3. Adjust the angle of the mirror.

Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
	Ring wrench (19 mm)	1	Stepladder (Work stand)	1
Others				

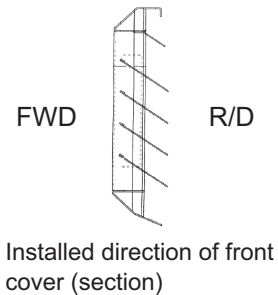
Installing front cover

1. Installing front cover



	Part No.	Part name	Q'ty	State of parts
(1)	56C-46-11533	COVER	1	Mounted in cab
(2)	01010-81220	BOLT	4	Installed to front center bumper temporarily
(3)	01643-31232	WASHER	4	Installed to front center bumper temporarily
(4)	09415-02512	CAP	4	Installed to front cover temporarily

1. Remove the bolts, washers, and caps installed to the center bumper.
2. Take the front cover out of the cab and install it to the center bumper.
3. Adjust front cover so that it will be flush with both bumpers.
4. Install the front cover as shown at right (Take care not to install it reversely).
5. After installing the front cover, move the engine hood up and down and check that it will not interfere with the front cover.

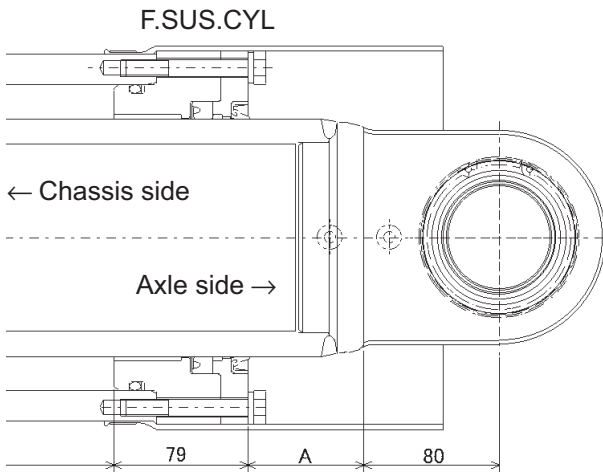
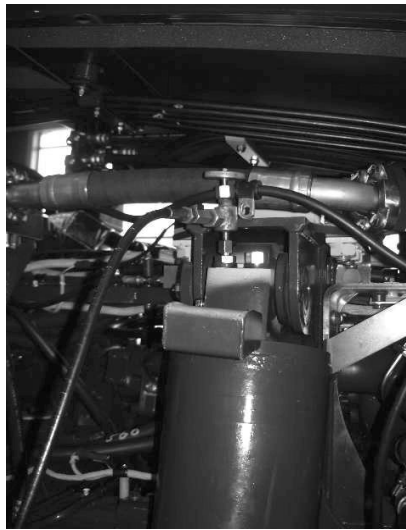


Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
	Socket wrench (19 mm)	1		
Others				

Adjusting N2 gas of front and rear suspensions

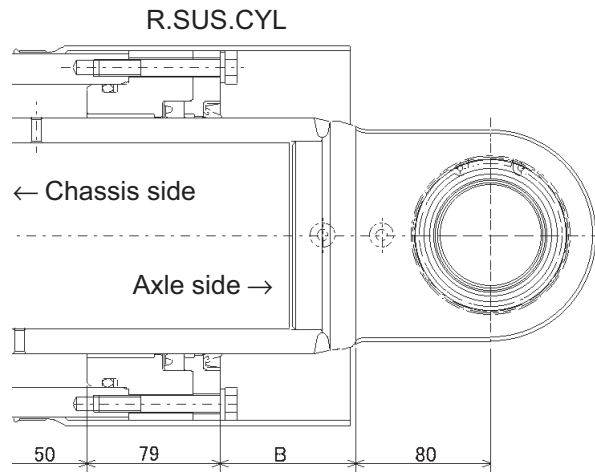
1. Adjusting N2 gas of front and rear suspensions

Adjust the quantity of N2 gas (4 places).



Dimension A

When cylinder is retracted fully:	MIN	(32 ± 1 mm)
Specified quantity of filled oil:	OIL	53 ± 3 mm
When empty :	EMPTY	(153 ± 10 mm)
When cylinder is extracted fully:	MAX	(209 ± 1 mm)



Dimension B

When cylinder is retracted fully:	MIN	(26 ± 1 mm)
Specified quantity of filled oil:	OIL	66 ± 3 mm
When empty :	EMPTY	(96 ± 10 mm)
When cylinder is extracted fully:	MAX	(116 ± 1 mm)

- ★ Judge the quantity of the filled N2 gas by dimensions A and B when the truck is empty.
- ★ Stop the truck slowly without using the foot brake, and then measure the dimensions.

Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
The suspension pressure is set a little higher than the specification when the truck is delivered. Accordingly, adjust it according to the above procedure.				
Others				

SLINGING PROCEDURE

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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.

Slinging procedure No.
for completed truck

1

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)

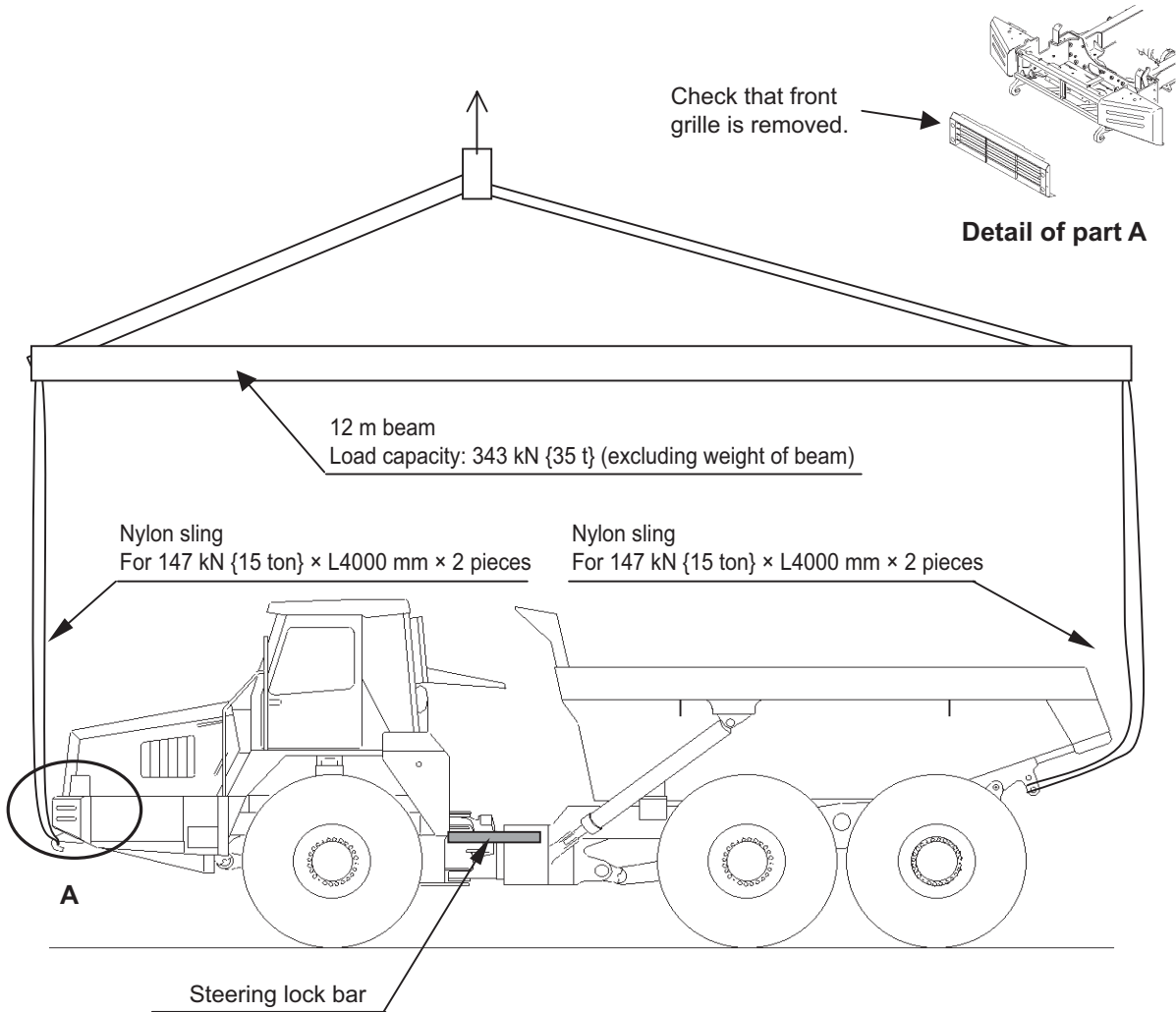
Crane Lifting capacity shall be total of 343 kN {35 ton} and weight of beam and sling. Lifting height shall be total of 7 m and necessary height of lifted chassis.

Nylon sling 4 × 147 kN{15-ton} slings (Apply pads to parts of truck (4 places) which interfere with chassis.)

2. Preparation of chassis

Check that the front grille is removed.

Set the steering lock bar securely.



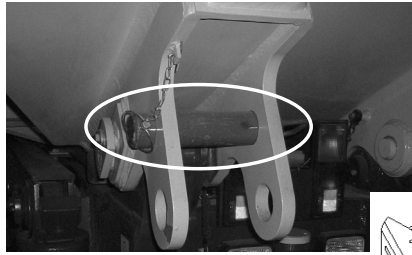
Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
Before starting the work, set the steering lock bar securely. Check that the front grille is removed.			Crane	1
			Nylon sling	4
			Beam (Min. 12 m long)	1
	Others			

How to install sling (When slinging with 1 crane)

1. Installing points of sling

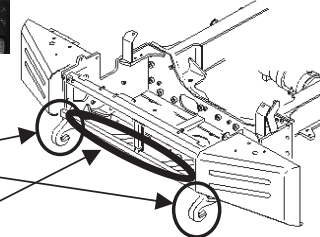
Install the sling to the following 4 points. Apply pads to the parts of chassis which interfere with the sling to protect the chassis.

1. 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.



Install nylon sling to pins.

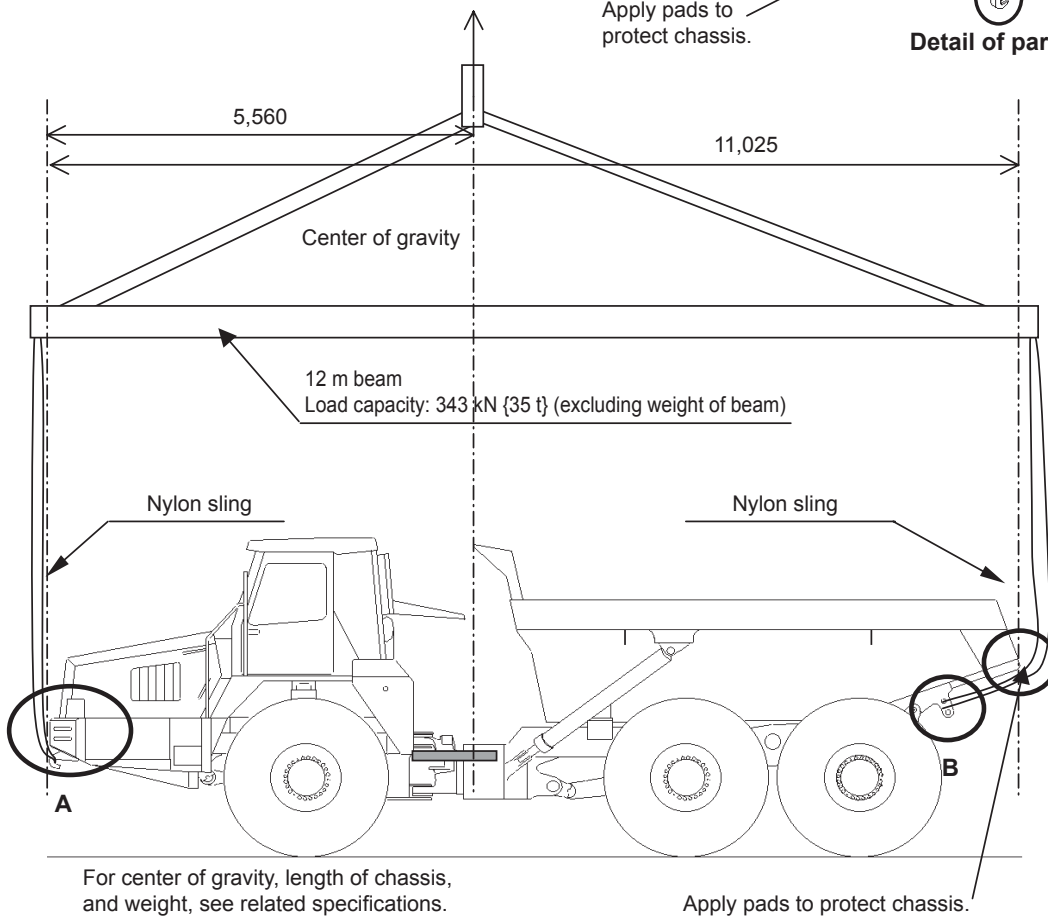
Detail of part B



Slinging points

Apply pads to protect chassis.

Detail of part A



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

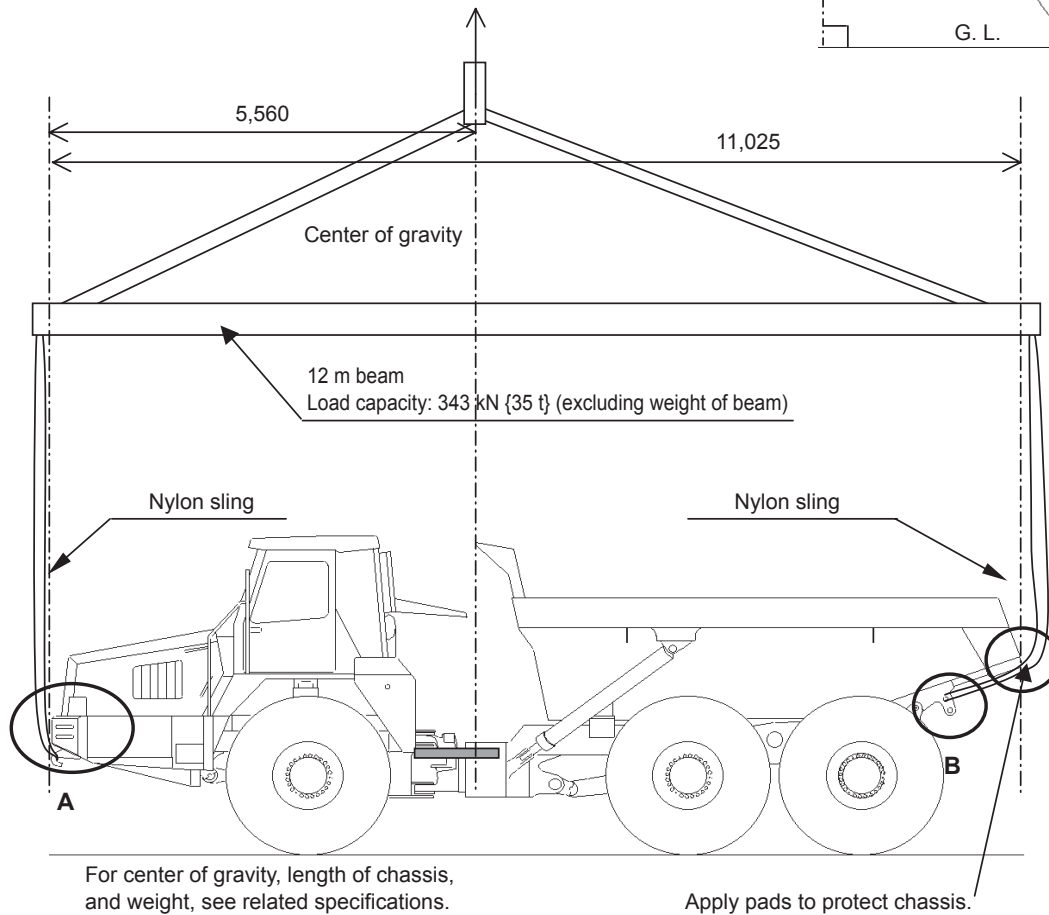
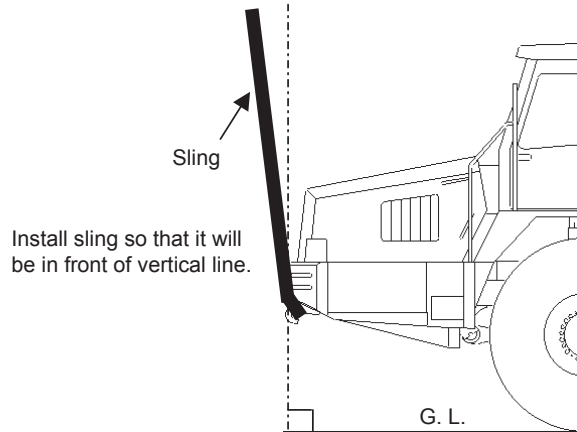
Slinging procedure No.
for completed truck

3

Slinging (When slinging with 1 crane)

1. Precautions for slinging

1. Install the sling for the front side so that it will be in front of the vertical line to prevent it from interfering with the engine hood.
2. Sling the chassis horizontally.
For the center of gravity of each model, see the related specifications.



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

Slinging procedure No.
for completed truck

4

Related specifications (Reference)

1. Specifications

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

	HM400-1
Total weight of empty truck	30,350 kg
Overall length	11,025 mm
Overall width	3,450 mm
Overall height	3,700 mm
Distance from front end of chassis to center of gravity	Approx. 5,560 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.

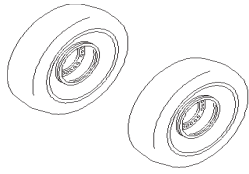
Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
When installing an option or an attachment, change the above data accordingly.				
Others				

TAIL GATE SPECIFICATION (IF EQUIPPED)

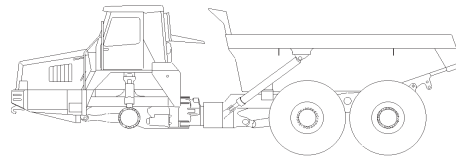
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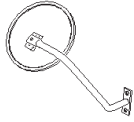
1 Drawings of removed units



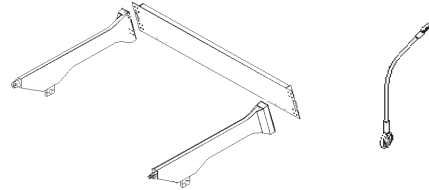
1. Tire and wheel assembly



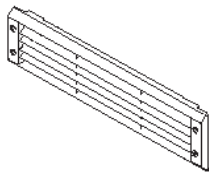
4. Bare machine



2. Engine hood mirror



5. Tail gate and cable



3. Front cover

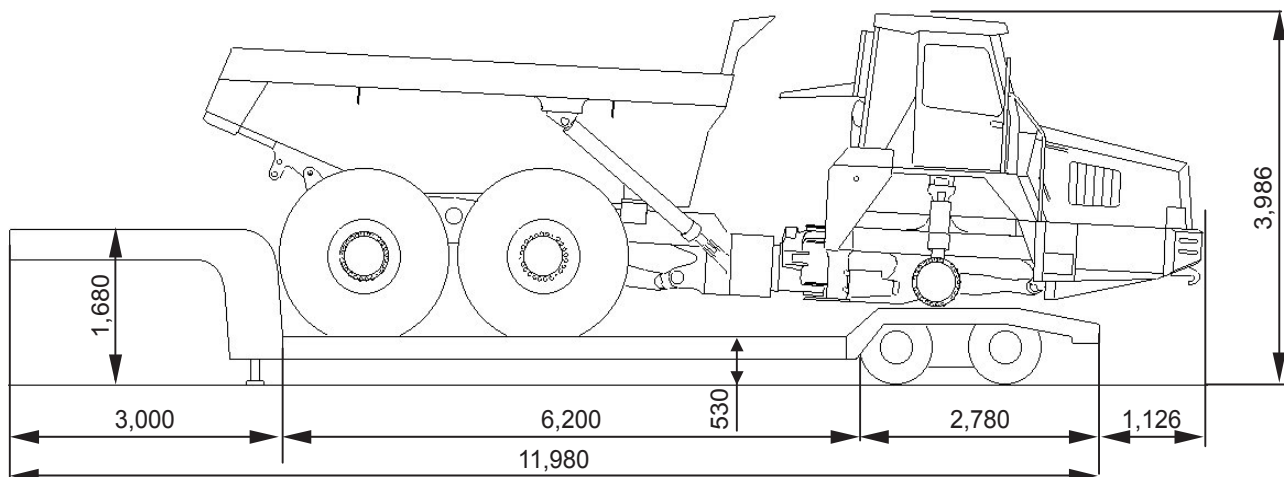
Specifications of completed truck

Specifications	Related items			
	Weight (kg)	Overall length (mm)	Overall width (mm)	Overall height (mm)
Self-propelled travel	30,350 (Weight of machine)	11,025	3,450	3,700 (When empty)

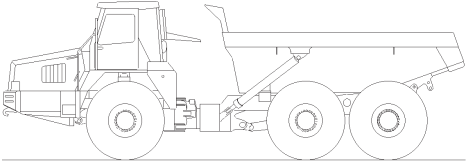
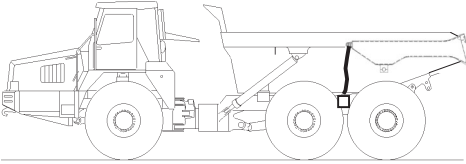







2 Dimensions of removed units

No.	Unit name	Weight (kg)	Overall length (mm)	Overall width (mm)	Overall height (mm)
1	Tire and wheel assembly	900	1,972	883	–
2	Engine hood mirror	1	500	200	200
3	Front cover	15	1,404	–	377
4	Bare machine	29,233	11,025	3,450	3,700
5	Tail gate and cable	683	3,854	–	–

Drawings of bare machine on trailer



3 Assembly procedure, necessary equipments, and schedule

Day Hour	1st day							
	1	2	3	4	5	6	7	8
Assembly unit	 (1) Positioning chassis on stand (2) Installing tail gate				 (1) Installing engine hood mirror (2) Installing front bumper			
Assembly manual No.	A-1 to A-4				A-5 and A-6			
Crane (Hydraulic, with operator)	2 units  245 kN {25 ton} 245 kN {25 ton}							
Air compressor	Min. 3.7m ³ /min							
Welding machine	Rated current: Min. 250 A							
Number of worker	3							
Forklift	 19.6 kN {2 ton}							
Remarks	Meeting before work Unloading Starting assembly				Completion of assembly			

4 Necessary tools and equipments

(1) Necessary tools

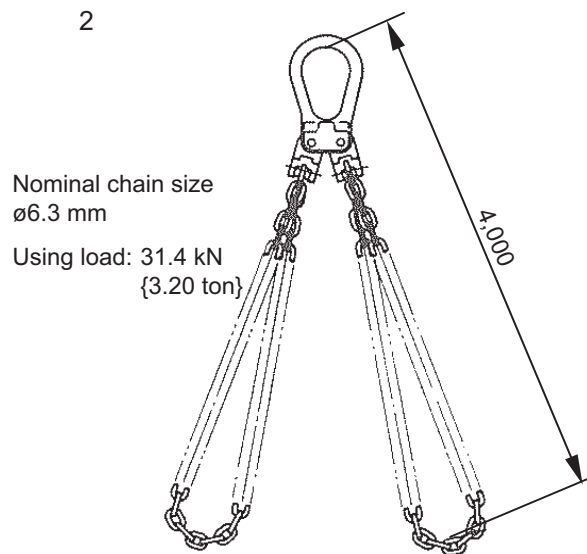
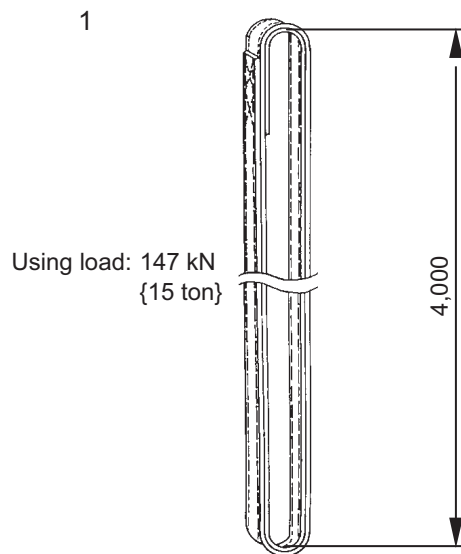
No.	Tool name	Specifications	Q'ty	Remarks
1	Ring wrench	19 mm	1	
2	Socket	36 mm (Insertion angle: 25.4°)	1	
3	Extension bar	25.4° × L160 mm	1	
4	Impact wrench	GT-S22M or equivalent	1	
5	Torque wrench	927 Nm {94.5 kgm}, 177 Nm {18 kgm}	1	
6	Bar		1	
7	Paint spray can	Clear	2	

(2) Necessary equipments

No.	Equipment name	Specifications	Q'ty	Remarks
1	Truck crane	Min. 245 kN {25 ton}	2	
2	Forklift	Min. 19.6 kN {2 ton}	1	
3	Compressor	Min. 3.7 m ³ /min	1	For impact wrench
4	Welding machine	Min. 250 A	1	For welding bracket
5	Stepladder (Work stand)	4 steps (About 1.5 m)	1	For work
6	Steel plate	t9 × 1,219 × 2,438 mm	1	
7	Wood block	400 × 400 × 900 mm	6	

(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 mm, nominal chain size: ø6.3 mm	1	For slinging tire



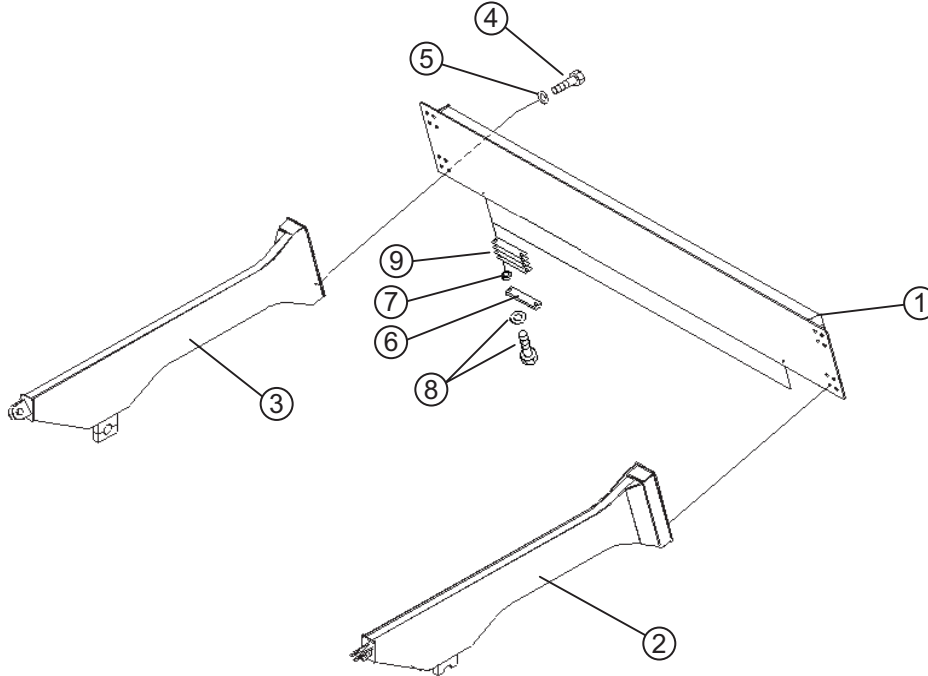
Assembling tail gate

1. Assembling tail gate

Assemble the side gate and tail gate.

Sling the gate with the crane and install it.

Sling: Nylon sling (For 147 kN {15 ton}, L4000 mm × 2 pieces)



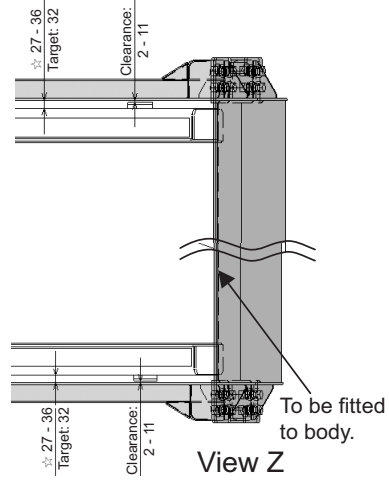
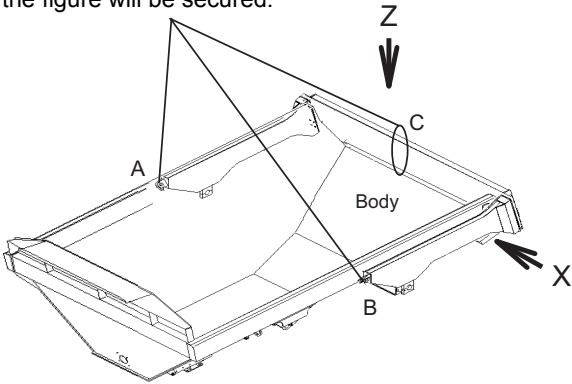
	Part No.	Part name	Q'ty	State of parts
(1)	56B-83-14131	GATE ASS'Y	1	Loose-supply item
(2)	56B-83-14111	GATE L.H.	1	Loose-supply item
(3)	56B-83-14121	GATE R.H.	1	Loose-supply item
(4)	01010-82460	BOLT	16	Installed to (2) and (3) temporarily
(5)	20Y-09-11150	SPACER	16	Installed to (2) and (3) temporarily
(6)	56B-83-14170	CUSHION	2	Installed to (1) temporarily
(7)	424-54-14230	SPACER	4	Installed to (1) temporarily
(8)	01024-81225	BOLT	4	Installed to (1) temporarily
(9)	56B-83-14290	SHIM	8	Installed to (1) temporarily

Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
	36 mm socket	1	Crane (245 kN {25 ton})	1
	19 mm socket	1	Forklift (Min. 19.6 kN {2 ton})	1
	Impact wrench (GT-S22M or equivalent)	1		
	Torque wrench (927 Nm {94.5 kgm})	1		
Others				

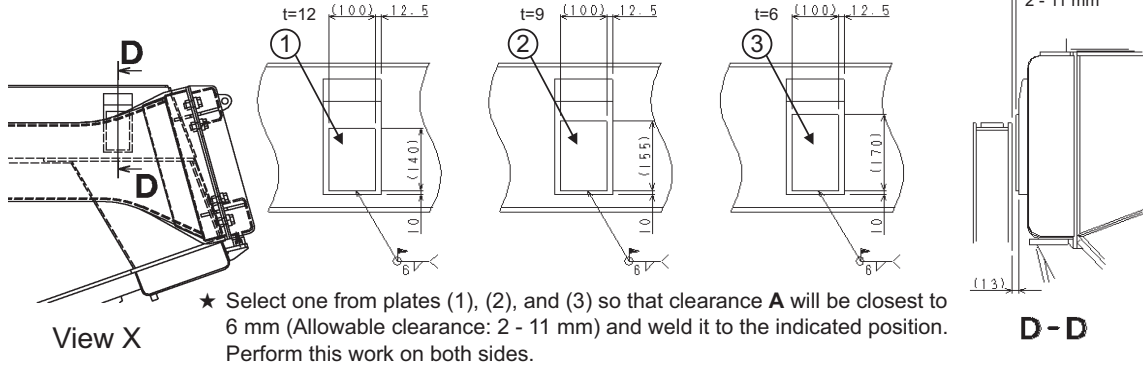
Positioning tail gate bracket

1. Setting clearance of tail gate

Sling the tail gate assembly by points A, B, and C shown below and put it on the body so that the clearance shown in the figure will be secured.



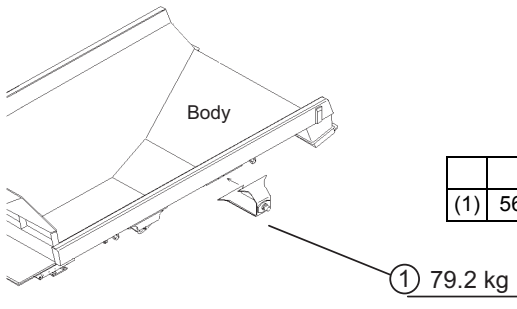
Procedure for adjusting clearance



★ Select one from plates (1), (2), and (3) so that clearance A will be closest to 6 mm (Allowable clearance: 2 - 11 mm) and weld it to the indicated position. Perform this work on both sides.

	Part No.	Part name	Q'ty	State of parts
(1)	56B-83-14430	PLATE	1	Loose-supply item
(2)	56B-83-14420	PLATE	1	Loose-supply item
(3)	56B-83-14410	PLATE	2	Loose-supply item

2. Installing bracket temporarily



★ Install the bracket temporarily by tack welding under the condition of 1. (on both sides). Reduce the clearance between the body and bracket to 2 mm or less.

	Part No.	Part name	Q'ty	State of parts
(1)	56B-83-14240	BRACKET	2	Loose-supply item

Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
			Crane (245 kN {25 ton})	1
			Forklift (Min. 19.6 kN {2 ton})	1
			Welding machine	1
Others				

Welding tail gate bracket

1. Disassembling tail gate

Lower the tail gate assembly from the body.

2. Welding bracket

Welding procedure

1. Cover around the parts to be welded (tires etc.) with protective material.
2. Remove paint, water, oil, and dust from the parts to be welded and areas around them (about 30 mm).
3. Check that the clearance between bracket (1) and body is 2 mm or less.
4. Weld the tail gate (2 pieces on both sides).

Arc welding

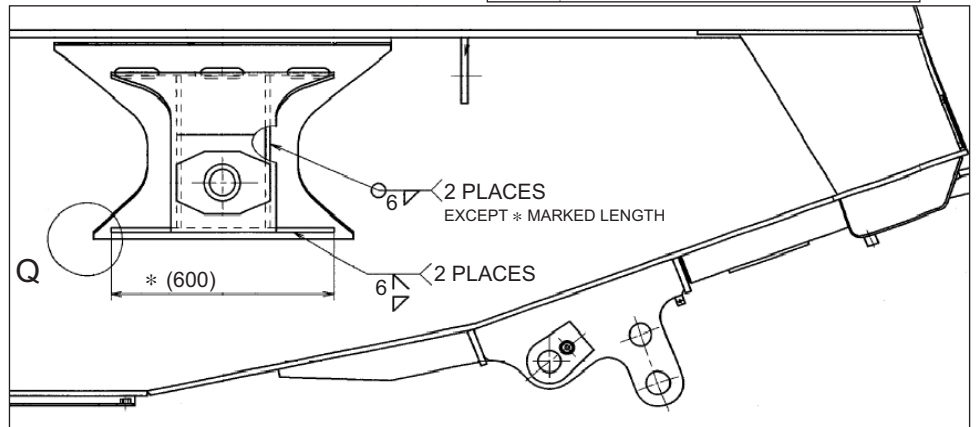
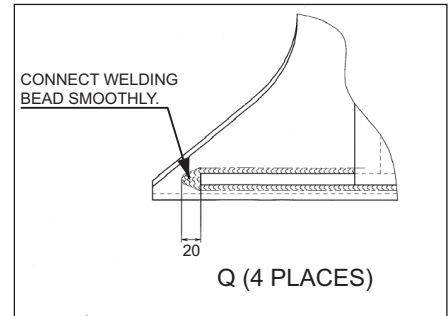
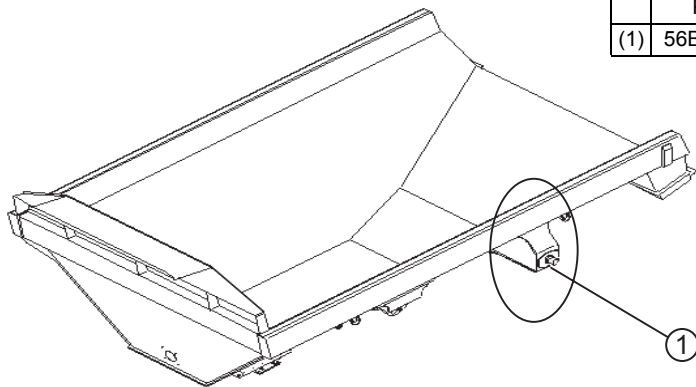
Welding rod: JIS Z3212, D5016, $\phi 4$ mm

Welding current: 130 - 160 A

Drying of welding rod: 2 hours at 150 - 200°C

5. After finishing welding, remove the spatters and finish the joints of the beads with a grinder.
6. Checking welded parts for defect
Check the welded parts for crack, undercut, overlap, spatter, and insufficient welding leg length (a negative welding leg length is rejected).
7. Touch up the welded parts with natural yellow paint (KES 57.041.4).

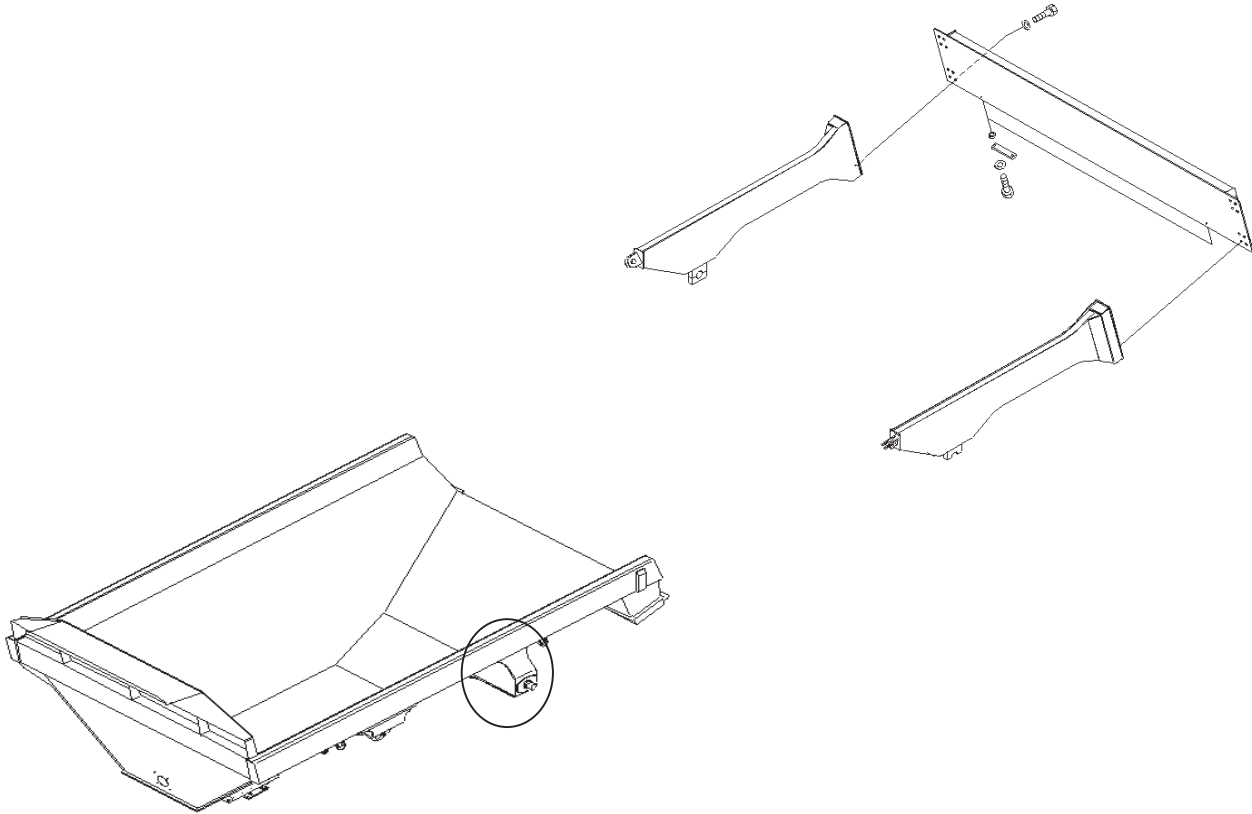
	Part No.	Part name	Q'ty	State of parts
(1)	56B-83-14240	BRACKET	2	Loose-supply item



Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
	Paint spray	2	Crane (245 kN {25 ton})	1
			Forklift (Min. 19.6 kN {2 ton})	1
			Welding machine	1
Others				

1. Painting tail gate

Paint the bare areas of the body and tail gate assembly.



Necessary paint

Undercoat paint

RETAN GP primer: 4 kg

RETAN GP hardener: 0.8 kg

RETAN GP thinner: 4 ℓ

Topcoat paint

SR3000 natural yellow: 16 kg

SR3000 hardener: 15 kg

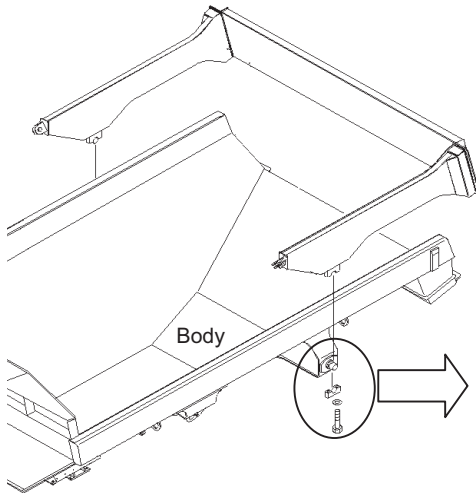
Urethane thinner 205: 17 ℓ

1. Paint each welded part and scratch with the specified paint.
2. Mix the base and hardener of the paint well at the ratio of "5 : 1, thinning rate: 10 – 30%" before using.
3. If there is a scratch on the chassis, touch up it with the above paint.

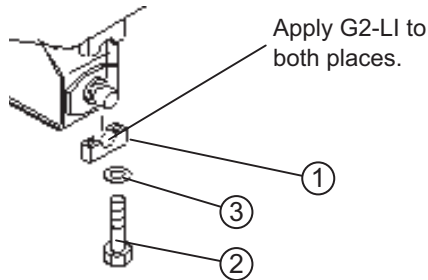
Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
	Others			

Installing tail gate

1. Installing tail gate assembly



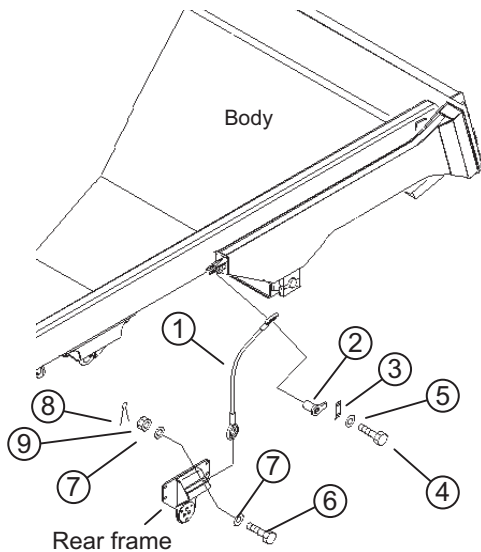
	Part No.	Part name	Q'ty	State of parts
(1)	287-70-13330	CAP	2	Installed to tail gate assembly
(2)	01011-82410	BOLT	4	Installed to tail gate assembly
(3)	01643-32460	WASHER	4	Installed to tail gate assembly



- (1) Install the gate to the body.
1. Install the tail gate assembly to the body.
 2. Check the clearance shown in A-2, 1, View Z.

Sling: Nylon sling
(For 147 kN {15 ton}, L4000 mm × 3 pieces)

- (2) Install the wires to the frame and gate.
1. Install the wire to the gate.
 2. Install the wire to the body.



	Part No.	Part name	Q'ty	State of parts
(1)	56B-83-14160	WIRE ASS'Y	2	Loose-supply item
(2)	565-81-27820	PIN	2	Installed temporarily
(3)	281-70-15290	PLATE	2	
(4)	01010-81430	BOLT	4	
(5)	01643-31445	WASHER	4	
(6)	01013-83615	BOLT	2	
(7)	01643-33690	WASHER	4	Loose-supply item
(8)	04050-16065	COTTER PIN	2	Loose-supply item
(9)	01590-33638	NUT	2	Loose-supply item

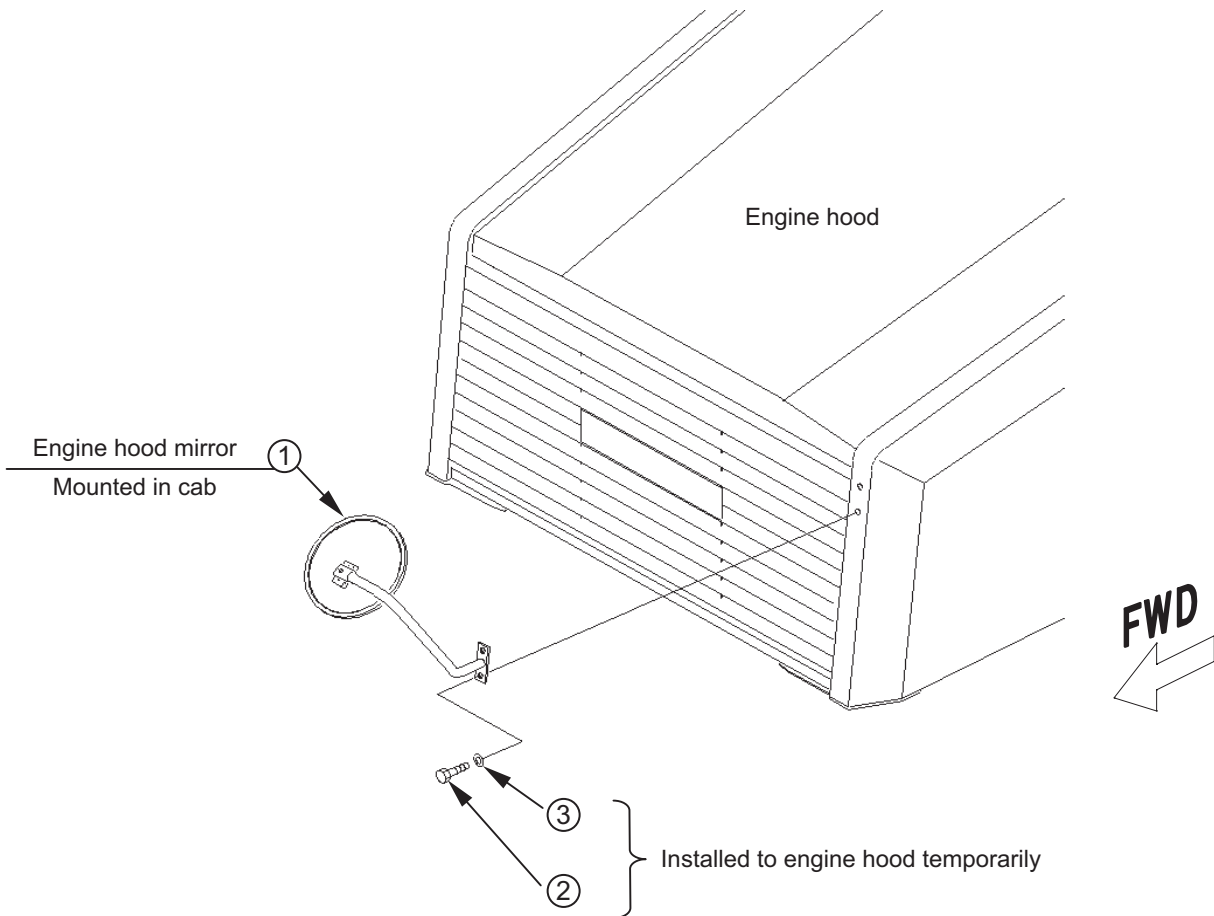
Tightening torque of (4) and (6): 157 - 196 Nm {16 - 20 kgm}
Target: 177 Nm {18 kgm}

★ Perform (1) and (2) for both sides similarly.

	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
Precautions	36 mm socket	1	Crane (245 kN {25 ton})	1
	55 mm socket	1	Forklift (Min. 19.6 kN {2 ton})	1
	55 mm ring wrench	1		
	Impact wrench (GT-S22M or equivalent)	1		
	Torque wrench (177 Nm {18 kgm})	1		
	G2-LI grease	Little		
Others				

Installing engine hood mirror

1. Installing engine hood mirror



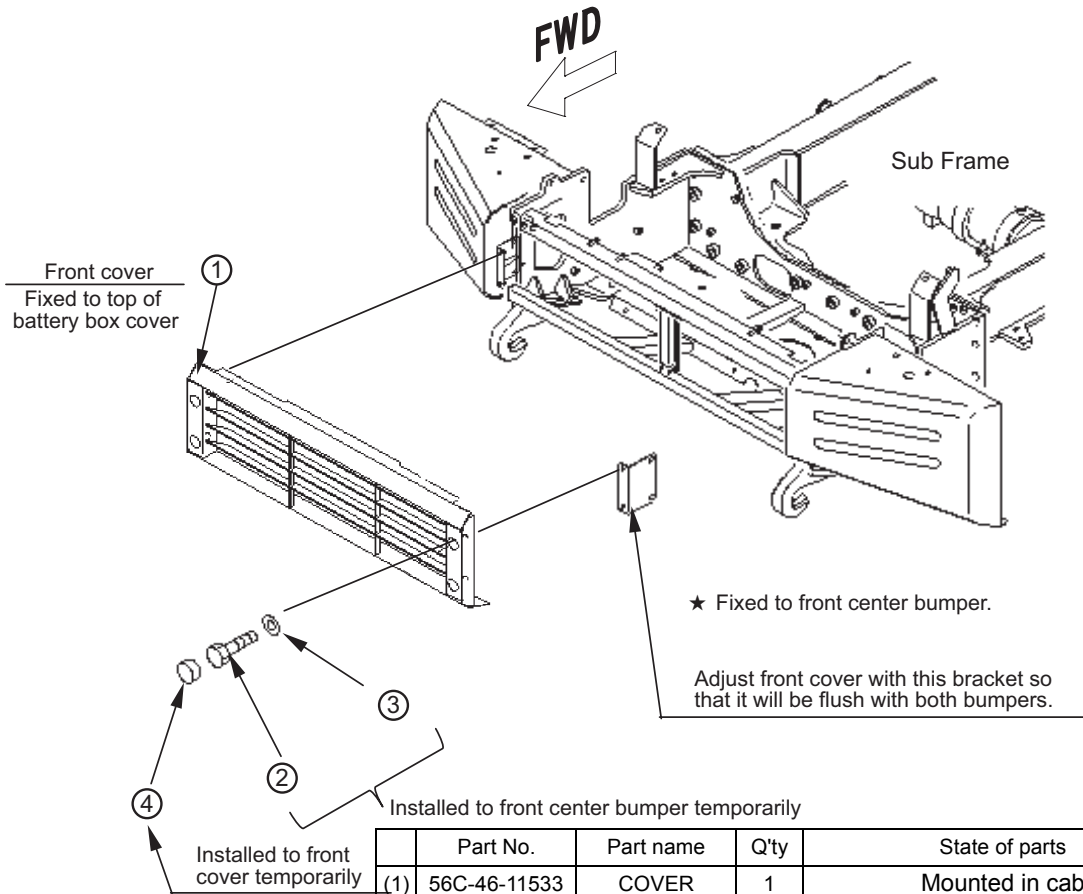
	Part No.	Part name	Q'ty	State of parts
(1)	56B-54-11512	STAY	1	Mounted in cab
	23S-54-36270	MIRROR	1	
(2)	01010-81225	BOLT	2	Installed to engine hood temporarily
(3)	01643-31232	WASHER	2	Installed to engine hood temporarily

1. Remove the bolts and washers installed to the engine hood temporarily.
2. Take the engine hood mirror out of the cab and install it to the engine hood.
3. Adjust the angle of the mirror.

Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
	Ring wrench (19 mm)	1	Stepladder (Work stand)	1
Others				

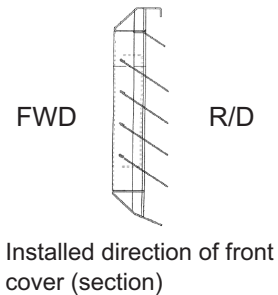
Installing front cover

1. Installing front cover



	Part No.	Part name	Q'ty	State of parts
(1)	56C-46-11533	COVER	1	Mounted in cab
(2)	01010-81220	BOLT	4	Installed to front center bumper temporarily
(3)	01643-31232	WASHER	4	Installed to front center bumper temporarily
(4)	09415-02512	CAP	4	Installed to front cover temporarily

1. Remove the bolts, washers, and caps installed to the center bumper.
2. Take the front cover out of the cab and install it to the center bumper.
3. Adjust front cover so that it will be flush with both bumpers.
4. Install the front cover as shown at right (Take care not to install it reversely).
5. After installing the front cover, move the engine hood up and down and check that it will not interfere with the front cover.



Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
	Socket wrench (19 mm)	1		
Others				

PAYLOAD METER SPECIFICATION (IF EQUIPPED)

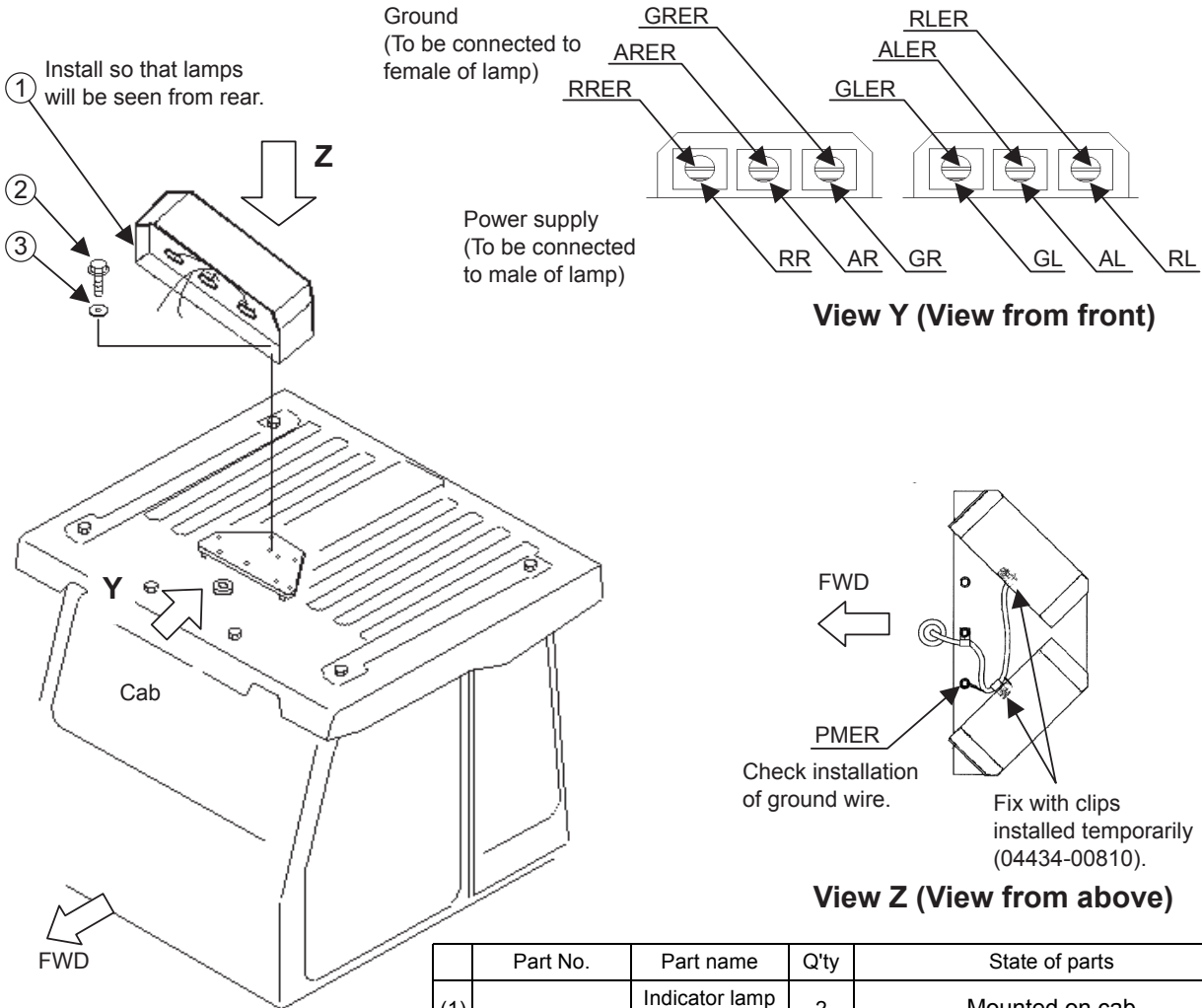
Contents

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1. Installation of payload meter external indicator lamps

Detail of connection of wiring harness

Connect the following connectors of the cab wiring harness to the corresponding lamps.
 After connecting indicator lamp connectors, bind and fix the wiring harness with bands (5).
 (The wiring harness is bound when delivered. If it is not loosened, it does not need to be bound again.)



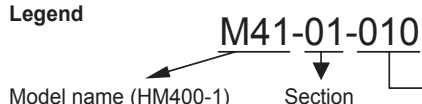
	Part No.	Part name	Q'ty	State of parts
(1)	-	Indicator lamp assembly	2	Mounted on cab
(2)	01010-81235	BOLT	8	Temporarily installed to cab
(3)	175-54-34170	WASHER	8	Temporarily installed to cab
(4)				
(5)	08034-20519	BAND	2	-

Precautions	Necessary tools		Necessary equipment	
	Name	Q'ty	Name	Q'ty
Install the indicator lamp assembly so that its green lamp will be on the chassis center side. (Take care not to install it in reverse.)	Socket wrench (19 mm)	1		
	Socket wrench (17 mm)			
Others				

Detail of components divided for delivery		M41-00-000
Model	Name	
HM400-1	Correspondence table of codes and specifications	

No.	Code No.	Classification	Section	Specification	Sales code	Remarks
01	M41-01	Whole truck	010	Parts common to all specifications	All specifications	
02						
03						
04						
05	M41-02	Tire and wheel assembly	010	Parts common to all specifications	All specifications	
06						
07						
08						
09	M41-03					
10						
11						
12						
13	M41-04					
14						
15						
16						
17	M41-05	Exterior parts	010	Parts common to all specifications	All specifications	
18			020	Parts added to wide tire specification	SHW-	All tire wheels wider than standard
19			030	Transportation style for Russia	7HC992004	For Russia
20			040	Tail gate specification	4HCTG22-A	Tail gate specification
21			050	Yellow rotary lamp	6HA36	
22			060	Payload meter external indicator lamp	7HC993010A	
23						
24	M41-06					
25						
26						
27						
28	M41-07					
29						
30						
31						
32	M41-08					
33						
34						
35						
36	M41-09	Tools and other items	010	Tool kit	All specifications	On-truck tools mounted for Japanese specification and tool kit specification
37						
38						
39						
40						

Legend



Specification

01? is common to all specifications.
020- is component added to only this specification.

When changing a component because of a trouble, etc., notify us. For how to read the list or another question, call us.

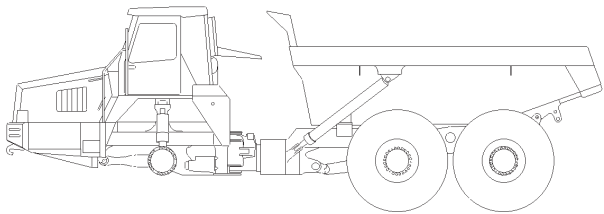
Detail of components divided for delivery		M41-01-010
Model	Name	Object
HM400-1	Whole truck	Standard All options

Component						Remarks
No.	Specification	Part No.	Part name	Type	Q'ty	
01	STD-M	56B-00-10000	WHOLE TRUCK	A	1	01. Remove 2 tires.
03	STD-W	56B-00-11000	WHOLE TRUCK	A	1	03. Deliver without removing tires.
05	Wide tire	56B-00-12000	WHOLE TRUCK	A	1	05. Remove 6 tires.
06						
07						
08						
09						
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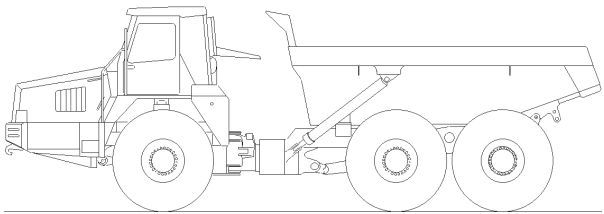
(Note 1) Install the parts (bolts, washers, nuts, retaining plates, pins, etc.), which have been used to install the parts packed separately, to the normal positions.
 (Note 2) Install or weld the component parts specified in the delivery instruction sheet to the normal positions, unless they are ordered to be packed separately.
 If where to install a part is not clear, ask us.

Legend: A --- Assembly item, L --- Lot item, B --- Bulk item

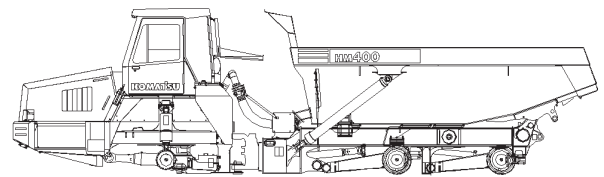
01



03



05

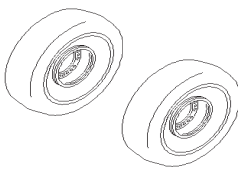


Detail of components divided for delivery		M41-02-010
Model	Name	Object
HM400-1	Tire and wheel assembly	Standard All options

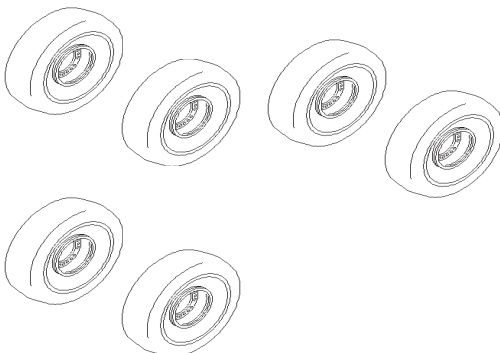
Component						Remarks
No.	Specification	Part No.	Part name	Type	Q'ty	
01	STD-M	56B-00-20000	WHEEL ASSEMBLY	A	2	01. Put 2 front tires on dump body when delivering.
03	STD-W	56B-00-21000			0	03. Deliver without removing tires.
05	Wide tire	56B-00-22000	WHEEL ASSEMBLY	A	6	05. Remove 6 tires and put 2 front tires on dump body when delivering.
06						
07						
08						
09						
10						
11						
12						
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15						
16						
17						
18						
19						
20						
21						(Note 1) Install the parts (bolts, washers, nuts, retaining plates, pins, etc.), which have been used to install the parts packed separately, to the normal positions.
22						(Note 2) Install or weld the component parts specified in the delivery instruction sheet to the normal positions, unless they are ordered to be packed separately.
23						If where to install a part is not clear, ask us.
24						
25						

Legend: A --- Assembly item, L --- Lot item, B --- Bulk item

01



03

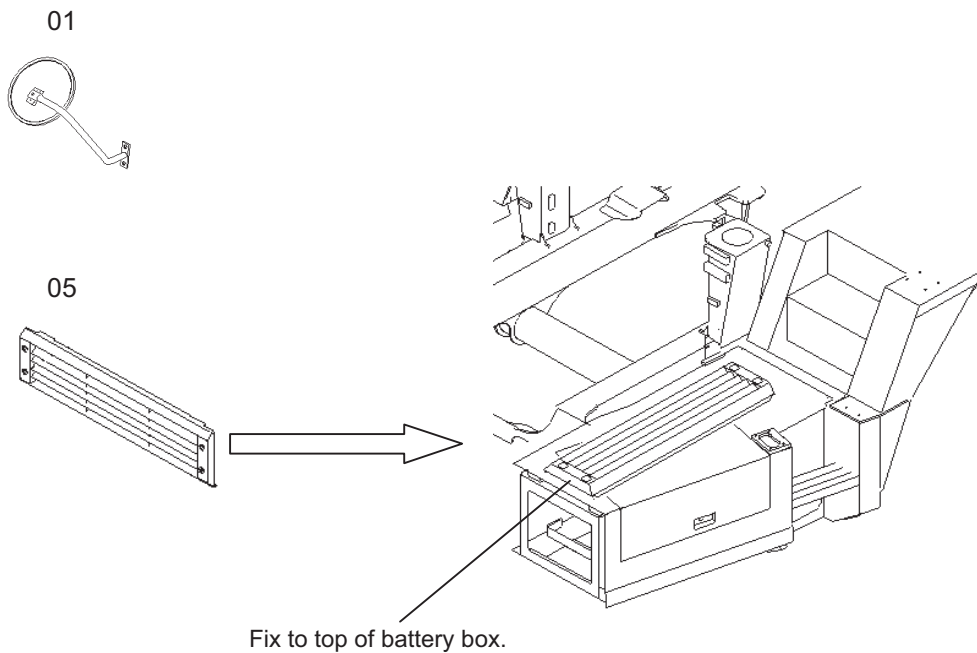


Detail of components divided for delivery		M41-05-010
Model	Name	Object
HM400-1	Exterior parts (Common)	Standard All options

Component						Remarks
No.	Specification	Part No.	Part name	Type	Q'ty	
01	All specifications	56B-00-50000	ENGINE HOOD MIRROR	A	1	01. Mounted in cab.
		56B-54-11512	STAY	L	1	
		23S-54-36270	MIRROR	L	1	
05	All specifications	56B-00-51000	FRONT COVER	A	1	
	(Excluding specification for Russia)	56C-46-11533	GUARD	L	1	
08						
09						
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Legend: A --- Assembly item, L --- Lot item, B --- Bulk item

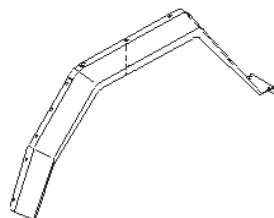
(Note 1) Install the parts (bolts, washers, nuts, retaining plates, pins, etc.), which have been used to install the parts packed separately, to the normal positions.
 (Note 2) Install or weld the component parts specified in the delivery instruction sheet to the normal positions, unless they are ordered to be packed separately.
 If where to install a part is not clear, ask us.



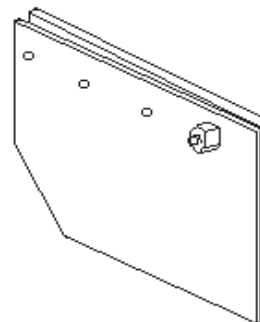
Detail of components divided for delivery		M41-05-020
Model	Name	Object
HM400-1	Exterior parts (Wide tire)	Wide tire

Component						Remarks
No.	Specification	Part No.	Part name	Type	Q'ty	
01	Wide tire	56B-00-55000	RIGHT AND LEFT OVER-FENDER GUARDS	A	1	01. Mount 2 guards for right and left together in cab.
		56B-54-11970	GUARD L.H.	L	1	
		56B-54-11980	GUARD R.H.	L	1	
06	Wide tire	56B-54-55100	RIGHT AND LEFT MUDGUARDS	A	1	06. Assemble with plate by 1 set of bolt and nut and mount on chassis.
		56B-54-12414	GUARD L.H.	L	1	
		56B-54-12382	PLATE	L	2	
		56B-54-12441	GUARD R.H.	L	1	
12						
13						
14						
15						
16						For wide tire specification, pack and mount parts shown at left separately in cab.
17						
18						
19						
20						
21						(Note 1) Install the parts (bolts, washers, nuts, retaining plates, pins, etc.), which have been used to install the parts packed separately, to the normal positions. (Note 2) Install or weld the component parts specified in the delivery instruction sheet to the normal positions, unless they are ordered to be packed separately. If where to install a part is not clear, ask us.
22						
23						
24						
25						
Legend: A --- Assembly item, L --- Lot item, B --- Bulk item						

01



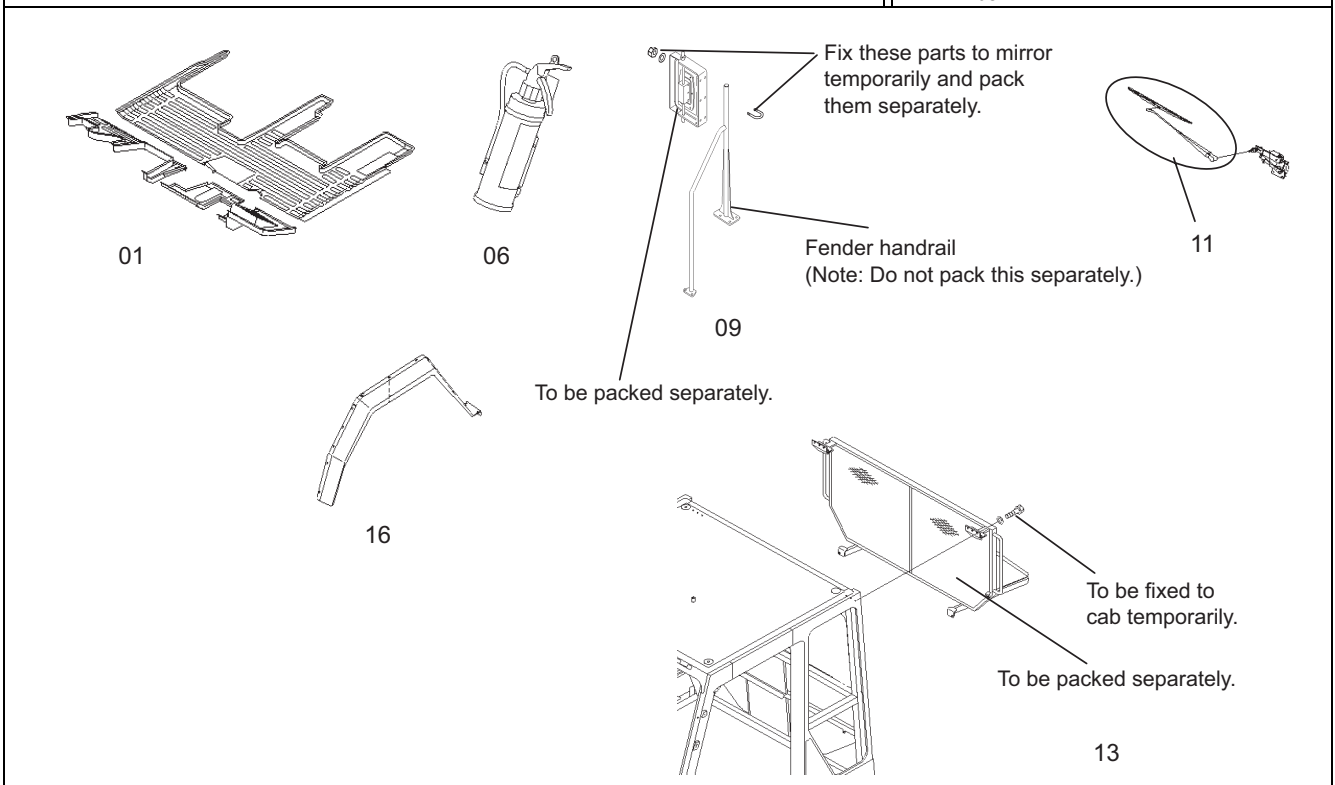
06



Detail of components divided for delivery		M41-05-030
Model	Name	Object
HM400-1	Transportation style for Russia	7HC992004

Component						Remarks
No.	Specification	Part No.	Part name	Type	Q'ty	
01	For Russia	56B-00-57000	FLOOR MAT	A	1	Mounted on chassis
02		56B-54-15773	MAT	L	1	
03		56B-54-15783	MAT	L	1	
04		56B-54-15792	MAT	L	1	
05						
06	For Russia	56B-00-57100	FIRE EXTINGUISHER	A	1	Mounted on chassis
07		09495-00000	EXTINGUISHER	L	1	
08						
09	For Russia	56B-00-57200	MIRROR ASSEMBLY	A	2	Mount 2 assemblies for right and left on chassis.
10						
11	For Russia	56B-00-57300	WIPER ASSEMBLY	A	2	Mount 2 assemblies for front and rear on chassis.
12						
13	For Russia	56B-00-57350	CAB REAR GUARD			Mounted on chassis
14		56B-54-18312	GUARD, CAB			
15						
16	For Russia	56B-00-55000	RIGHT AND LEFT OVER-FENDER GUARDS	A	1	
17		56B-54-11970	GUARD L.H.	L	1	
18		56B-54-11980	GUARD R.H.	L	1	
19						
20	For Russia		SUPRA ACE II NATURAL YELLOW	A	1	Mount paint and welding rods for field welding on chassis. (Note 1) Install the parts (bolts, washers, nuts, retaining plates, pins, etc.), which have been used to install the parts packed separately, to the normal positions. (Note 2) Install or weld the component parts specified in the delivery instruction sheet to the normal positions, unless they are ordered to be packed separately. If where to install a part is not clear, ask us.
21			S THINNER #100	A	1	
22			SHINKO LB-524 mm	A	1	
23						
24						
25						

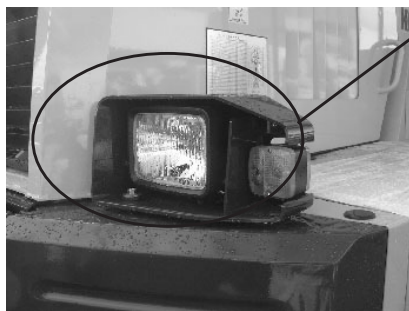
Legend: A --- Assembly item, L --- Lot item, B --- Bulk item



Detail of components divided for delivery		M41-05-030
Model	Name	Object
HM400-1	Transportation style for Russia	7HC992004

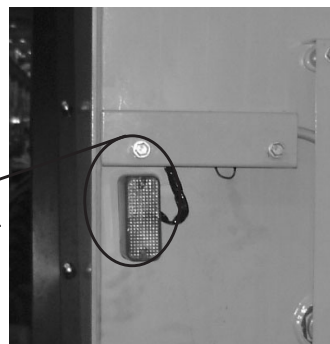
Component						Remarks
No.	Specification	Part No.	Part name	Type	Q'ty	
01	For Russia	56B-00-57400	LAMP ASSEMBLY	A	4	Mount right and left headlamps, side lamps, and brake lamp assembly together.
02						
03						
04	For Russia	56B-00-57500	CURTAIN	A	2	Mount radiator curtain on chassis.
05		56C-84-11890	CURTAIN	L	1	Mount engine hood curtain on chassis.
06		56C-84-11870	CURTAIN	L	1	
07		56C-84-11810	CURTAIN	L	1	
08						
09						
10	For Russia	56B-00-57600	HYDRAULIC HEATER ADAPTER ASSEMBLY	A	1	Bind wiring harnesses and fix them to muffler.
11						
12						
13	For Russia	56B-54-55100	RIGHT AND LEFT MUDGUARDS	A	1	13. Assemble with plate by 1 set of bolt and nut and mount on chassis.
14		56B-54-12413	GUARD L.H.	L	1	
15		56B-54-12382	PLATE	L	2	
16		56B-54-12441	GUARD R.H.	L	1	
17						
18	For Russia	56B-00-57700	PROTECTOR	A	1	Mount on chassis
19		56C-74-11150	BODY, PROTECTOR	L	1	
20						
21						(Note 1) Install the parts (bolts, washers, nuts, retaining plates, pins, etc.), which have been used to install the parts packed separately, to the normal positions. (Note 2) Install or weld the component parts specified in the delivery instruction sheet to the normal positions, unless they are ordered to be packed separately. If where to install a part is not clear, ask us.
22						
23						
24						
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Legend: A --- Assembly item, L --- Lot item, B --- Bulk item



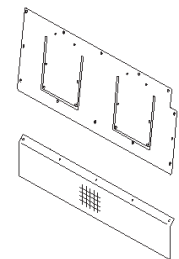
Headlamp

Remove both right and left ones.



Remove both right and left ones.

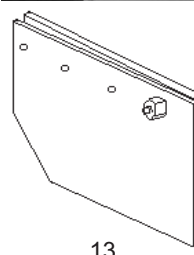
01



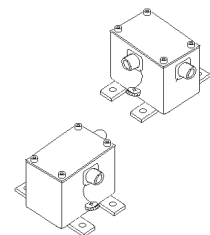
04



Brake lamp



13



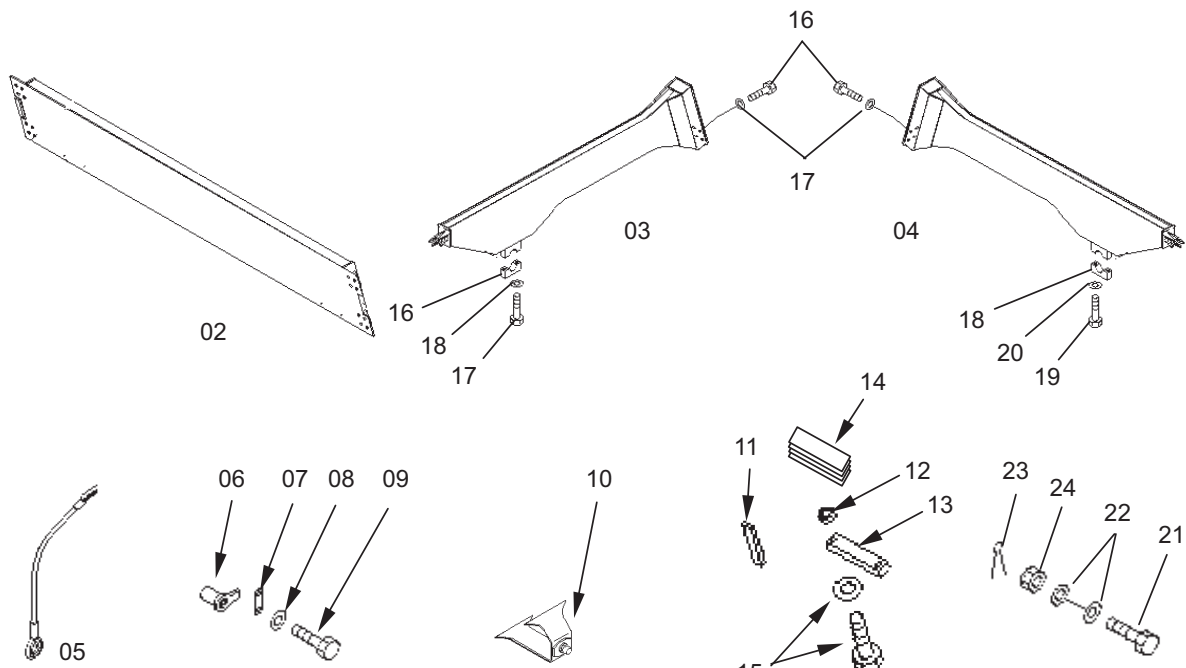
10

Note that all the parts to be mounted on the chassis (including the ones other than the above) must be packed specially.

Detail of components divided for delivery		M41-05-040
Model	Name	Object
HM400-1	Tail gate specification	4HCTG22-A

Component						Remarks
No.	Specification	Part No.	Part name	Type	Q'ty	
01	Tail gate specification	X250416760	TAIL GATE	9	1	
02		56B-83-14131	GATE, REAR ASS'Y	A	1	
03		56B-83-14111	GATE, L.H. ASS'Y	A	1	
04		56B-83-14121	GATE, R.H. ASS'Y	A	1	
05		56B-83-14160	WIRE ASS'Y	L	2	
06		565-81-27820	PIN	L	2	
07		281-70-15290	PLATE	B	4	
08		01010-81430	BOLT	B	4	
09		01643-31445	WASHER	B	4	
10		56B-83-14240	BRACKET	L	2	
11		56B-83-14180	PLATE	L	2	
12		424-54-14230	SPACER	B	4	
13		56B-83-14170	CUSHION	L	2	
14		56B-83-14290	SHIM	B	8	
15		01024-81225	BOLT	B	4	
16		01010-82460	BOLT	B	16	
17		20Y-09-11150	SPACER	L	16	
18		287-70-13330	CAP	L	2	
19		01011-82410	BOLT	B	4	
20		01643-32460	WASHER	B	4	
21		01013-83615	BOLT	L	2	(Note 1) Install the parts (bolts, washers, nuts, retaining plates, pins, etc.), which have been used to install the parts packed separately, to the normal positions. (Note 2) Install or weld the component parts specified in the delivery instruction sheet to the normal positions, unless they are ordered to be packed separately. If where to install a part is not clear, ask us.
22		01643-33690	WASHER	B	4	
23		04050-16065	PIN, COTTER	B	2	
24		01590-33638	NUT	L	2	
25						

Legend: A --- Assembly item, L --- Lot item, B --- Bulk item

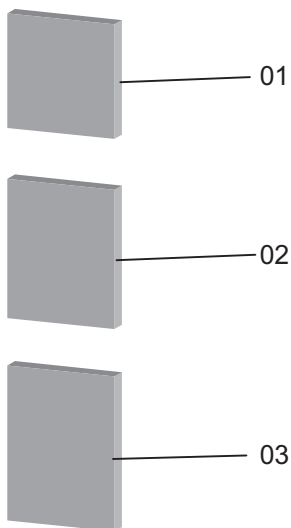


★ Install 16 - 20 to both gates temporarily.

Detail of components divided for delivery		M41-05-041
Model	Name	Object
HM400-1	Tail gate specification	4HCTG22-A

Component						Remarks
No.	Specification	Part No.	Part name	Type	Q'ty	
01	Tail gate specification	X250416760	TAIL GATE	9	1	
02		56B-83-14410	PLATE (t = 6 mm)	L	2	
03		56B-83-14420	PLATE (t = 9 mm)	L	1	
04		56B-83-14430	PLATE (t = 12 mm)	L	1	
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18						
19						
20						
21						(Note 1) Install the parts (bolts, washers, nuts, retaining plates, pins, etc.), which have been used to install the parts packed separately, to the normal positions.
22						(Note 2) Install or weld the component parts specified in the delivery instruction sheet to the normal positions, unless they are ordered to be packed separately.
23						If where to install a part is not clear, ask us.
24						
25						

Legend: A --- Assembly item, L --- Lot item, B --- Bulk item

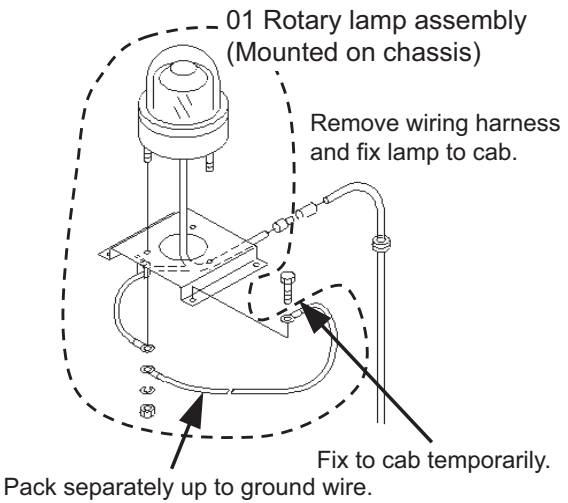
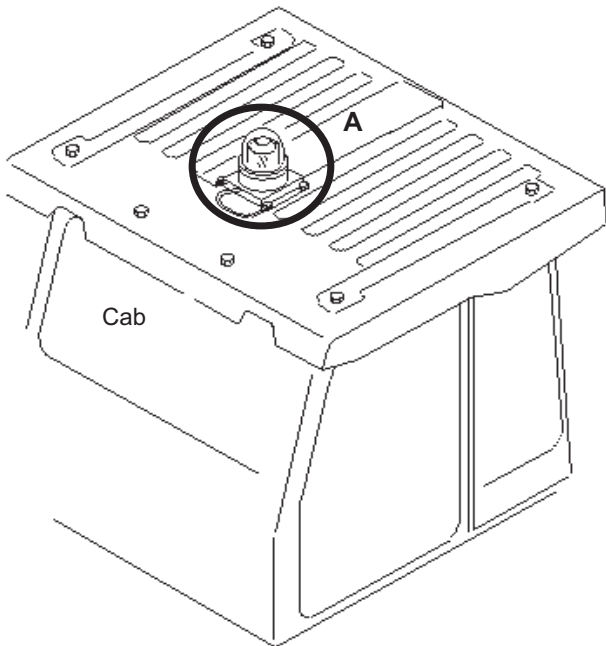


Detail of components divided for delivery		M41-05-050
Model	Name	Object
HM400-1	Yellow rotary lamp	6HA36

Component						Remarks
No.	Specification	Part No.	Part name	Type	Q'ty	
01	Tail gate specification	56B-00-59000	ROTARY LAMP ASSEMBLY	A	1	Mount on chassis
02						
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Legend: A --- Assembly item, L --- Lot item, B --- Bulk item

(Note 1) Install the parts (bolts, washers, nuts, retaining plates, pins, etc.), which have been used to install the parts packed separately, to the normal positions.
 (Note 2) Install or weld the component parts specified in the delivery instruction sheet to the normal positions, unless they are ordered to be packed separately.
 If where to install a part is not clear, ask us.

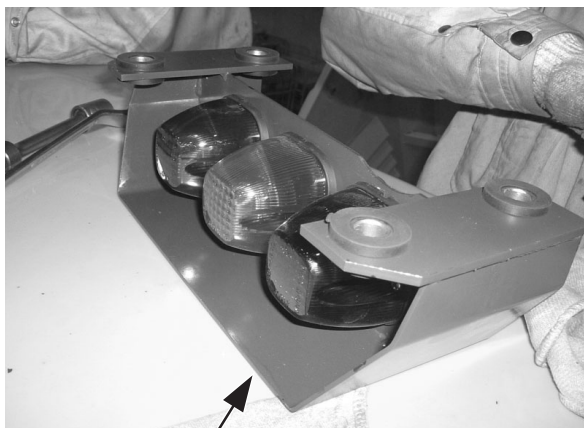


Detail of A

Detail of components divided for delivery		M41-05-060
Model	Name	Object
HM400-1	Payload meter external indicator lamp	7HC993010A

Component						Remarks
No.	Specification	Part No.	Part name	Type	Q'ty	
01	Payload meter	56B-00-60000	Indicator lamp assembly	A	2	Mount on chassis
02						
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04						
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07						
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21						(Note 1) Install the parts (bolts, washers, nuts, retaining plates, pins, etc.), which have been used to install the parts packed separately, to the normal positions.
22						(Note 2) Install or weld the component parts specified in the delivery instruction sheet to the normal positions, unless they are ordered to be packed separately.
23						If where to install a part is not clear, ask us.
24						
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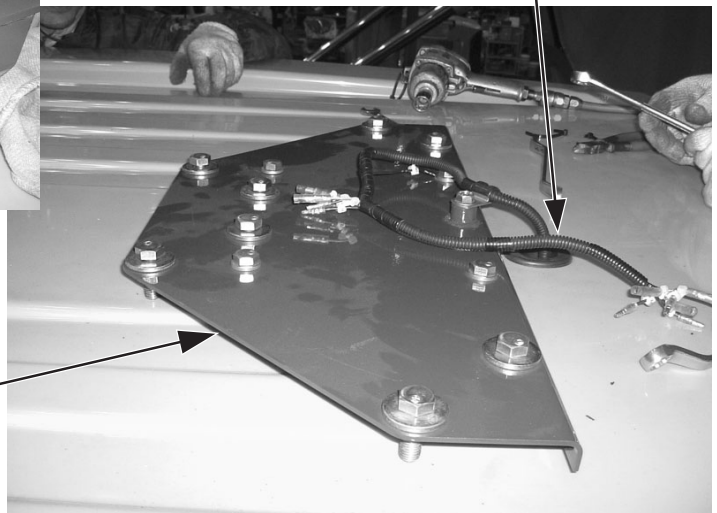
Legend: A --- Assembly item, L --- Lot item, B --- Bulk item



01 External indicator lamp assembly
(Mounted on cab)

Install seat bracket to cab.
Tighten lamp mounting bolts lightly.

Bind wiring harness and fix it to seat bracket.



Detail of components divided for delivery		M41-09-010
Model	Name	Object
HM400-1	On-truck tools	Tool kit

Component						Remarks
No.	Specification	Part No.	Part name	Type	Q'ty	
01	STD-M	56B-00-90000	ON-TRUCK TOOLS	B	1	01. Mount on-truck tools on truck. (Only standard model for Japan and tool kit option)
	Tool kit (1)	07950-90403	CARTRIDGE	B	1	
	(2)	07951-31400	NOZZLE	L	1	
	(3)	07952-70004	PUMP ASSEMBLY	B	1	
	(4)	09000-30006	WRENCH SET	B	1	
	(5)	09014-10200	WRENCH	B	1	
	(6)	09019-08035	WRENCH	B	1	
	(7)	09020-10284	SOCKET WRENCH S	L	1	
	(8)	09023-00380	HANDLE	B	1	
	(9)	09033-00190	SCREW DRIVER	B	1	
	(10)	09036-00150	PLIERS	B	1	
	(11)	09039-00150	HAMMER	B	1	
	(12)	09054-00009	GAUGE	B	1	
	(13)	09055-10390	BAR	B	1	
	(14)	09056-05513	TOOL BAG	B	1	
	(15)	09288-30011	HOSE	L	1	
	(16)	09289-10000	GAUGE	B	1	
	(17)	6215-21-5610	NIPPLE	L	1	
	(18)	07280-03423	CLAMP	B	1	
	(19)	07286-02680	HOSE	L	1	
	(20)	6218-81-9980	SOCKET	L	1	
23	STD-W (Tool-kit-less)	56B-00-91000	ON-TRUCK-TOOL-LESS		0	23. Do not attach on-truck tools on truck for overseas tool-kit-less specification. (Note 1) Install the parts (bolts, washers, nuts, retaining plates, pins, etc.), which have been used to install the parts packed separately, to the normal positions. (Note 2) Install or weld the component parts specified in the delivery instruction sheet to the normal positions, unless they are ordered to be packed separately. If where to install a part is not clear, ask us.

Legend: A --- Assembly item, L --- Lot item, B --- Bulk item

