

Field Assembly Instruction

ARTICULATED
DUMP TRUCK

HM400-5

SERIAL NUMBERS 10399 and up

KOMATSU

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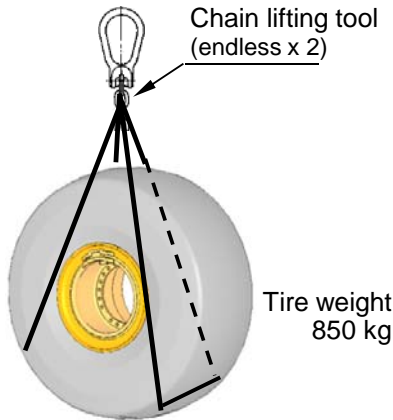


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(1) Slings of tire and wheel assembly

<How to sling the tire and wheel assembly>



1. Set lifting tools to the tire and wheel assembly
Lifting tool: Chain lifting tool (L4000, φ6.3 mm in chain diameter)
2. Sling it with a 25 ton crane.

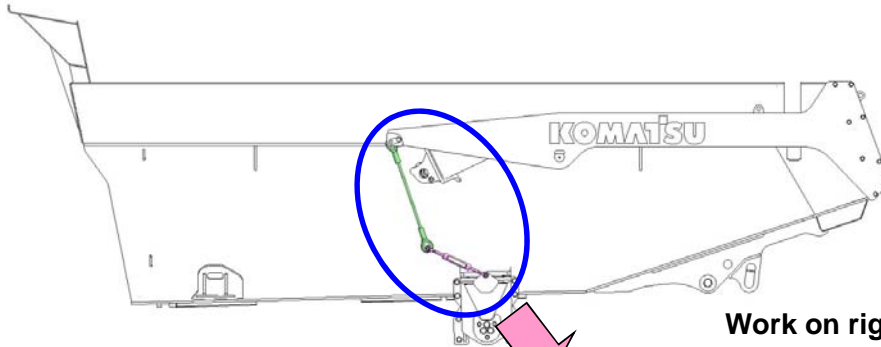
(2) Installation of tire and wheel assembly

	Part No.	Part name	Q'ty	State of part (part list No.)
(1)	56B-40-5300A	TIRE ASS'Y	6	Separate shipment (M45-02-010)
(2)	56D-30-11910	BOLT	126	Tighten lightly to axle
(3)	01643-32460	WASHER	126	Tighten lightly to axle

1. Remove the bolts and washers which have been tightened lightly to the axle.
2. Install the tire to the axle and install the bolts and washers.
Note) Take care that tires do not fall off.
Take care not to damage the air filling tube to the tire when the tire and wheel assembly position is determined.
3. Lightly tighten the tire mounting bolt by using impact wrench.
4. Lift up the front of bare machine by using 25 ton crane, and remove the wooden block.
Lifting tool: Nylon sling (L4000 mm x 2 for 15 ton)
5. Tighten the tire mounting bolts to the specified torque by using torque wrench.
6. Touch up the head of bolts with spray type paint (clear). (For rust prevention)

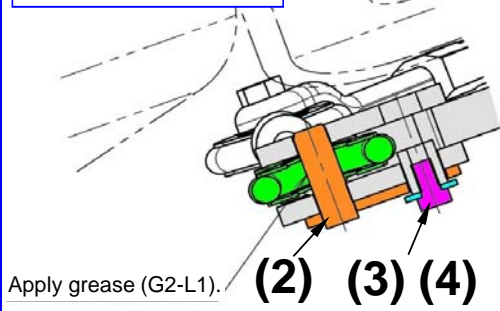
Precautions	Special tools		Facility to be used	
	Name	Q'ty	Name	Q'ty
(1) When carrying the tire and wheel assembly, take care not to fall it off.	36 mm socket	1	Crane (25 ton)	1
	Impact wrench (GT-S22M)	1	Tire lifting tool	1
	Torque wrench (927 Nm)	1		
	Extension bar	1		
(2) When positioning the tire and wheel assembly, take care not to damage the tube for inflating tire.	Bar	1		
	Spray type paint can	6		
Others				

1. Install the wire to tailgate arm.



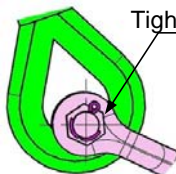
Work on right and left sides similarly

Sectional view C-C



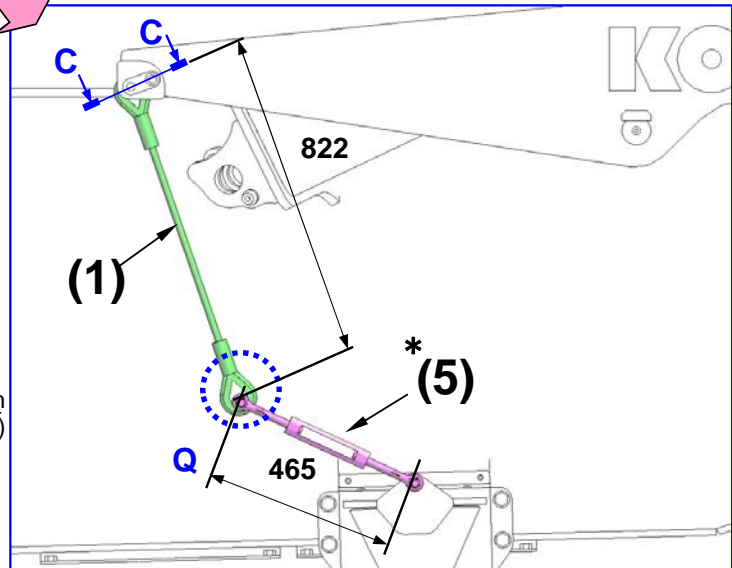
Apply grease (G2-L1).

(2) (3) (4)



Tightening torque: 49.0 to 83.4 Nm
(5 to 8.5 kgm)

Detail of Q



* For the method of bending the cotter pin, see the figure above.

*** When installing (5), fit it with its installed length at 465 mm on the right and left, raise the dump body slowly. When the tailgate starts opening (dump body angle: approximately 4 degrees), adjust the sag of wire by shortening the turn-buckle so that the tension of right and left wires are even.**
Tightening torque of lock nut: 118 to 147 Nm (12 to 15 kgm)
*** If the tailgate does not close smoothly when the dump body is lowered, adjust it by shortening the turnbuckle.**

	Part No.	Part name	Q'ty	State of part (part list No.)
(1)	56B-83-16191	WIRE	2	Separate shipment (M45-03-200)
(2)	56D-83-16210	PIN	2	Separate shipment (M45-03-200)
(3)	01010-81220	BOLT	2	Separate shipment (M45-03-200)
(4)	130-43-64260	WASHER	2	Separate shipment (M45-03-200)
(5)	56D-83-16430	JOINT A., TURNBUCKLE	2	Separate shipment (M45-03-200)

Precautions

Tools to be used

Facility to be used

Name	Q'ty	Name	Q'ty

Others

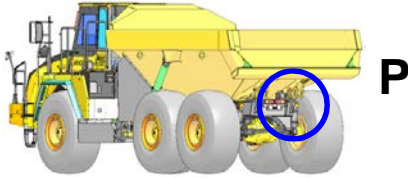
Sales code: 4HCTG24A-A: ADT tailgate
(4HCTG25A-F: ADT tailgate kit)

Assembly procedure

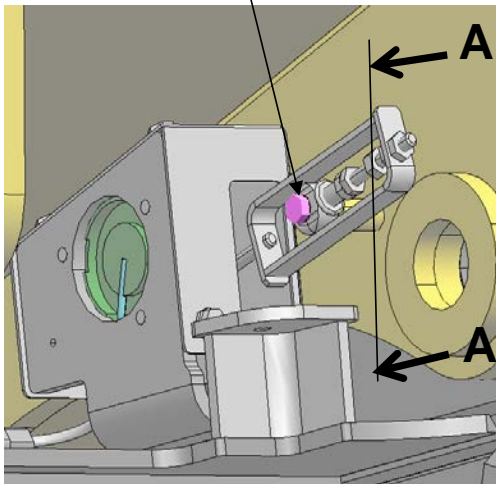
No.0650

Installation and adjustment of dump angle sensor

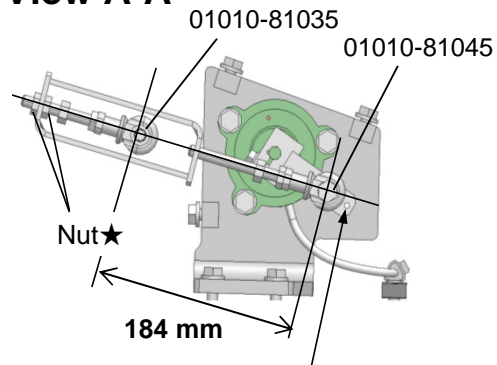
- (1) Install the dump angle sensor.
 - 1) Remove the bolt loosely installed.
 - 2) Connect the dump angle sensor rod.
 - 3) After installing, check that the body float caution lamp in the operator's cab is go out.



(1) Install to the dump body



View A-A



Assemble so that the hole positions of the lever and bracket match. (Radial runout of positioning hole is within 1 mm)

Installation method of angle sensor and lever


- (1) After adjusting the dump body shim, make the dump body seated.
- (2) Temporarily assemble the link part by using nut ★(01583-11006: 2 pieces) so that the rod length is 184 mm.
- (3) Install the rod loosely to the machine, and fix it with bolts (01010-81035/ 1010-81045).
- (4) Check that the radial runout of positioning hole ($\phi 5$) between the bracket 56B-46-32311 and the lever 56B-06-35141 is within 1 mm. If the runout is 1 mm or more, adjust the rod length.
- (5) Check the voltage value of "Body potentio voltage" with real time monitor in the cab. It should be within the standard value of 0.4 to 0.6 V for "Body potentio voltage" when the dump body is seated.
- (6) After adjusting the voltage and rod length, tighten the bolts and nuts to the specified torque, and attach the cover (56B-46-32321).


	Part No.	Part name	Q'ty	State of part (part list No.)
(1)	01010-81035	BOLT	1	Temporarily installed to dump angle sensor

Precautions

	Special tools		Facility to be used	
	Name	Q'ty	Name	Q'ty
	Impact wrench	1		
	Socket (17 mm)	1		
Others				

17. Return to the top screen, and enter to service menu.

Turn the key on, and press  on top

18. Press  4 times on the user menu, and select Rearview Monitor Setting.

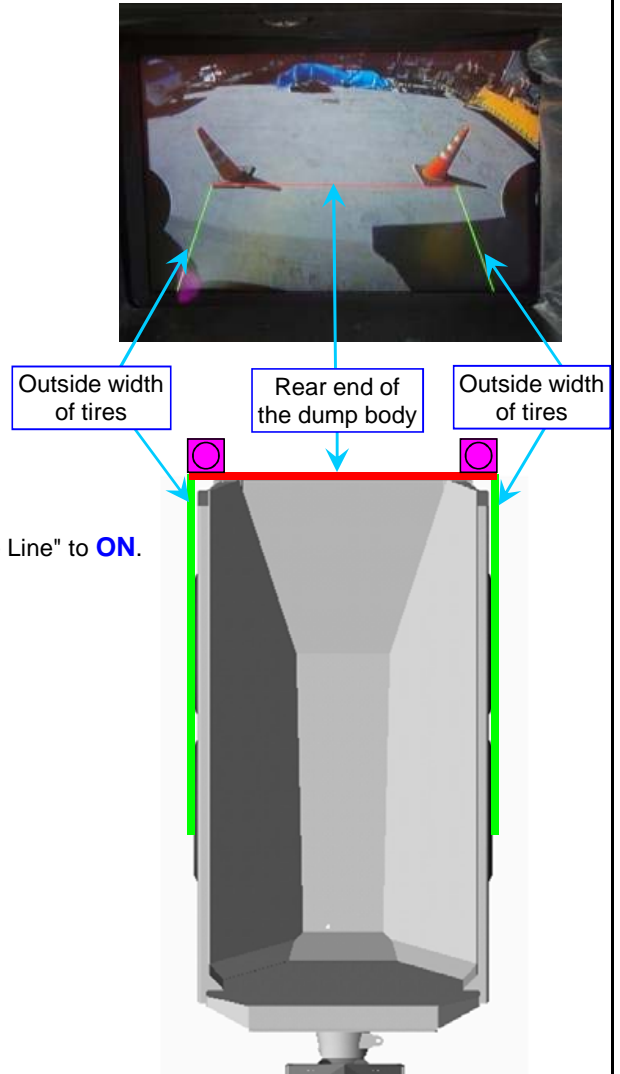


19. On Rearview Monitor Setting screen, set "Reference Line" to **ON**.
Turn Reverse-interlock Selection Mode **ON**.



If the guide line is displayed as shown in the figure on the right, only when the shift lever is in R1 or R2, rearview monitor setting is completed.

【Reference】 Relation between guide line and machine



* If the guide line of dump body rear end is displayed in yellow, No. 0710 5, "Rearview Monitor Initialization" may not be performed.

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