CEBM008201

Shop Manual

KOMATSU®

WA430-6

WHEEL LOADER

SERIAL NUMBERS **WA430-6 A42001-UP**

ENGINE **SAA6D114E-3**

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Related Circuit Diagram

★ There is no related circuit diagram.

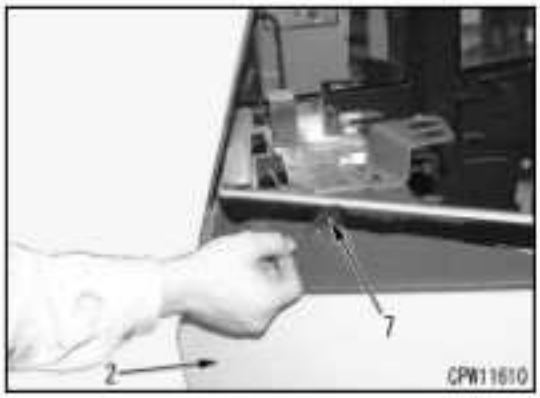
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	Causes		Standard value in normal state/Remarks on troubleshooting			
Possible causes and standard value in normal state	1	Defective lift arm EPC lever potentiometer (Internal disconnection or short circuit)	Between (2) and (1)	Lever at neutral	2.40 – 2.60 V	
				Raise operation (Before detent)	0.91 – 1.31 V	
				Raise operation (Detent position)	0.69– 1.09 V	
				Lower operation (Before detent)	3.69 – 4.09 V	
				Float operation	3.91– 4.31 V	
	2	Disconnection in wiring harness (Disconnection in wiring harness or defective contact)	★ Prepare with starting switch OFF, then carry out troubleshooting without turning starting switch ON.			
			Wiring harness between L71 (female) (13) – L28 (female) (2)		Resistance	Max. 1 Ω
			Wiring harness between L71 (female) (19) – L28 (female) (3)		Resistance	Max. 1 Ω
			Wiring harness between L71 (female) (22) – L28 (female) (4)		Resistance	Max. 1 Ω
			Wiring harness between L28 (female) (1) – chassis ground		Resistance	Max. 1 Ω
	3	Grounding fault in wiring harness (Contact with ground circuit)	★ Prepare with starting switch OFF, then carry out troubleshooting without turning starting switch ON.			
			Wiring harness between L71 (female) (13) – L28 (female) (2)		Resistance	Min. 1 MΩ
			Wiring harness between L71 (female) (19) – L28 (female) (3)		Resistance	Min. 1 MΩ
			Wiring harness between L71 (female) (22) – L28 (female) (4), – circuit branch end		Resistance	Min. 1 MΩ
	4	Hot short in wiring harness (Contact with 24 V circuit)	Prepare with starting switch OFF, then turn starting switch ON and carry out troubleshooting.			
			Wiring harness between L71 (female) (13) – L28 (female) (2)		Voltage	Max. 1 V
			Wiring harness between L71 (female) (19) – L28 (female) (3)		Voltage	Max. 1 V
			Wiring harness between L71 (female) (22) – L28 (female) (4), – circuit branch end		Voltage	Max. 1 V
	5	Defective work equipment controller	★ Prepare with starting switch OFF, then turn starting switch ON and carry out troubleshooting. • Work equipment lock lever: Free			
			L71	Lift arm EPC lever	Voltage	
			Between (22) and (10)	Constant	4.85 – 5.15 V	
			Between (13) and (10)	Lever at neutral	2.40 – 2.60 V	
				Raise operation (Before detent)	0.91 – 1.31 V	
				Raise operation (Detent position)	0.69 – 1.09 V	
				Float operation	3.69 – 4.09 V	
				Lower operation (Before detent)	3.91 – 4.31 V	

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C. Evenly apply paint primer (7) to the parts on the outside of the double-sided adhesive tape on (2) which will be coated with the adhesive.

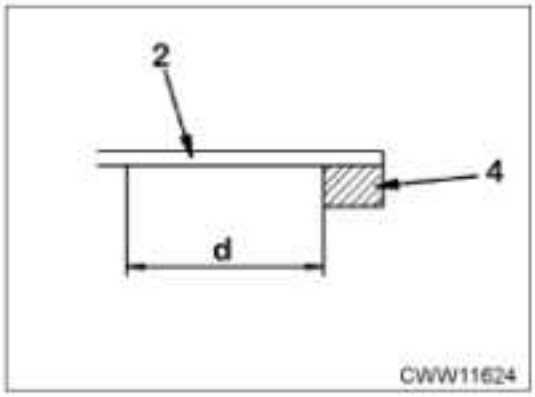
Paint primer: SUNSTAR PAINT PRIMER 580 SUPER



★ Do not apply the primer more than two times. (If it is applied more than two times, its performance is reduced.)
★ Parts to be coated with primer: Apply the primer all over dimension (d) on the outside of the double-sided adhesive tape.

Dimension to apply primer (d): .....23 mm (1 in)

★ After applying the primer, leave it for at least five minutes (within 8 hours) to dry.
★ If the glass primer is applied by mistake, wipe it off with white gasoline. (If the wrong primer is applied, the glass will not stick.)



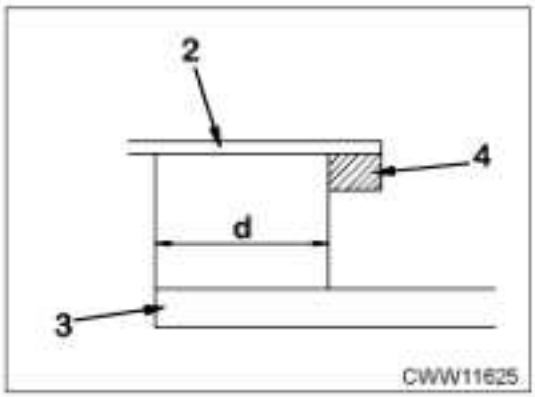
D. Evenly apply glass primer (8) to the black part of window glass (3) to be stuck.

Glass primer: SUNSTAR GLASS PRIMER 580 SUPER

★ Do not apply the primer more than two times. (If it is applied more than two times, its performance is reduced.)
★ Parts to be coated with primer: Apply the primer to the sticking surface of window glass (3) and all over dimension (d) on double-sided adhesive tape (4) and cab (2).

Dimension to apply primer (d): .....23 mm (1 inch)

★ Do not apply the primer to the boarder about 5 mm (0.2 in) wide between the black part and transparent part of the glass.
★ After applying the primer, leave it for at least five minutes (within 8 hours) to dry.
★ If the paint primer is applied by mistake, wipe it off with white gasoline. (If the wrong primer is applied, the glass will not stick.)



7. Apply adhesive.
★ Use either of the two types of adhesive, depending on the season.

Adhesive (April – October):
SUNSTAR PENGUINE SEAL 580 SUPER "S"

Adhesive (October – April):
SUNSTAR PENGUINE SEAL 580 SUPER "W"



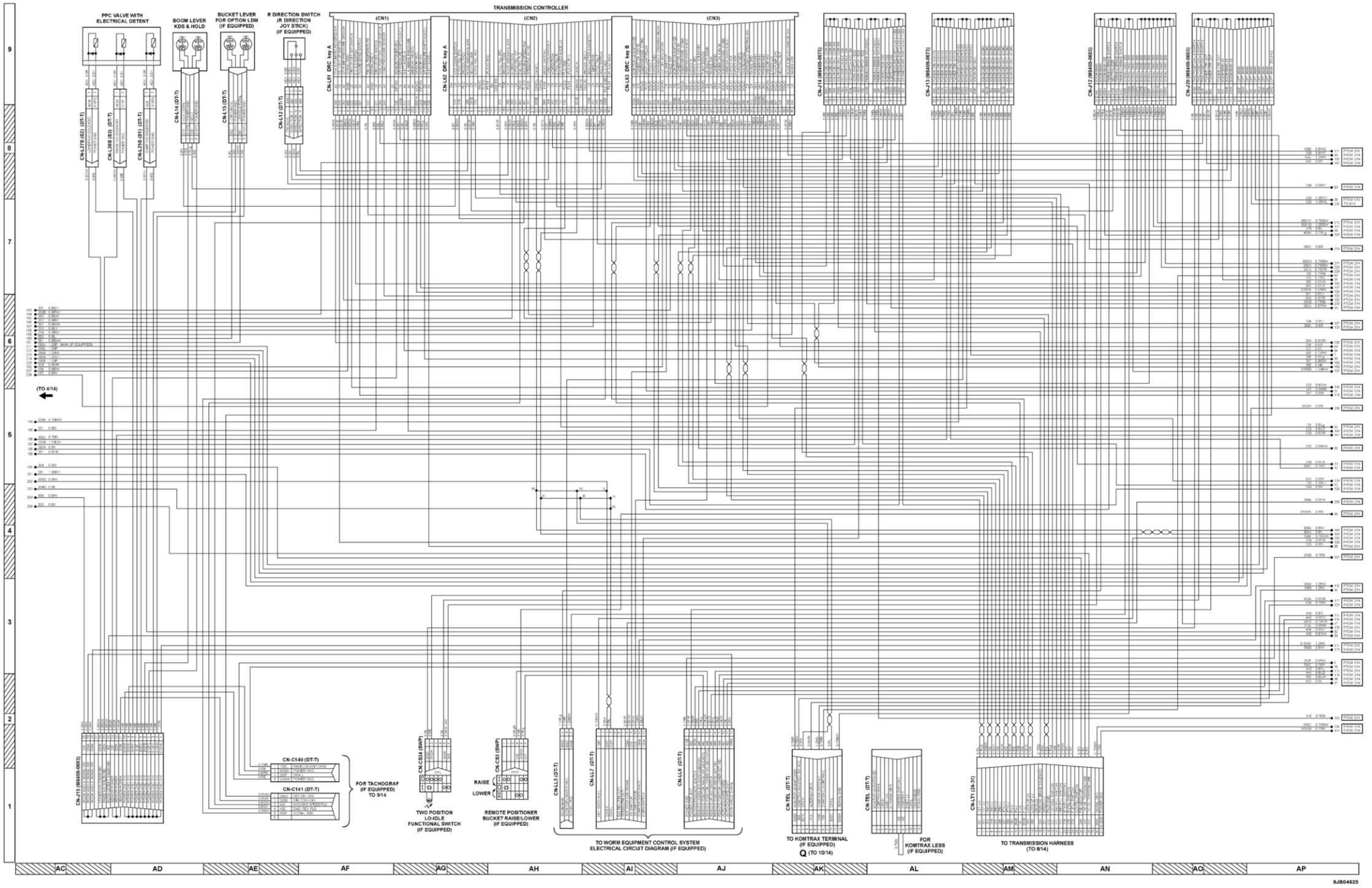
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ELECTRICAL SYSTEM

Electrical Circuit Diagram (3/14)

Common to WA380-6, WA430-6, WA470-6 and WA480-6

*** This circuit diagram covers equipment and devices that are unavailable as options in some areas.**



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