SEBM036700

SHOP MANUAL

KOMATSU®

D61EX,PX-12

MACHINE MODEL	SERIAL NUMBER
D61EX-12	**1001 and up**
D61PX-12	**1001 and up**

- This shop manual may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.
- D61-12 mounts the S6D114E-1A engine.

Order the manual at mid-west-tech.com >

CONTENTS

No. of page

01 GENERAL 01-1

10 STRUCTURE AND FUNCTION 10-1

20 TESTING AND ADJUSTING 20-1

30 DISASSEMBLY AND ASSEMBLY 30-1

40 MAINTENANCE STANDARD 40-1

90 OTHERS 90-1

MidWestTech | Komatsu D61EX-12, D61PX-12 Crawler Dozer Service Manual | Public... Order the manual at mid-west-tech.com >

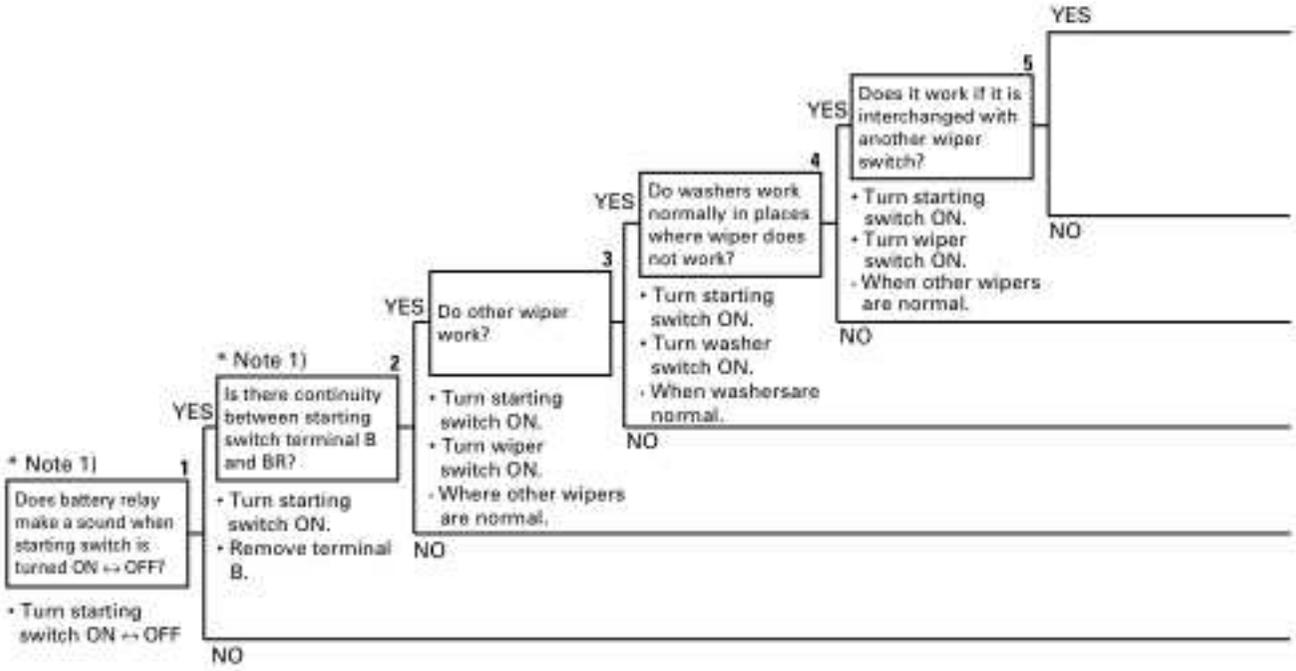
SPECIFICATIONS

Machine model				D61EX-12	D61PX-12
Serial Numbers				1001 and up	1001 and up
Weight	Operating weight				
	• bare tracktor		kg	13,130	14,150
	• with angle tiltdozer			15,470	16,780
	• with angle tiltdozer + cab + ROPS			16,090	17,790
Performance	Min. truning radius		m	3.6	3.6
	Gradeability		deg	30	30
	Stability (front, rear, left, right)		deg	35	35
	Speed ranges	Forward 1st	km/h	3.5	3.5
		Forward 2nd		6.0	6.0
		Forward 3rd		10.3	10.3
		Reverse 1st	km/h	4.6	4.6
		Reverse 2nd		7.9	7.9
		Reverse 3rd		12.8	12.8
	Ground pressure	Bare tractor	kPa (kg/cm²)	41 (0.42)	25 (0.26)
		Angle tiltdozer		49 (0.50)	30 (0.31)
		Angle tiltdozer + cab + ROPS		50 (0.51)	31 (0.32)
Dimensions	Overall length	Bare tractor	mm	3,935	4,210
		With angle tiltdozer		5,030	5,465
	Overall width	Bare tractor	mm	2,500	3,000
		With angle tiltdozer		3,275	3,860
	Overall heights	To tip of exhaust pipe	mm	2,945	2,970
		To top of operator's compartment		2,195	2,225

MidWestTech | Komatsu D61EX-12, D61PX-12 Crawler Dozer Service Manual | Public... Order the manual at mid-west-tech.com >

E-4 Wiper does not work

★ If the battery is normal.
★ Before carrying out troubleshooting, check that the fuse for each wiper is normal.
★ Before carrying out troubleshooting, check that all the related connectors are properly inserted.
★ Always connect any disconnected connectors before going on the next step.



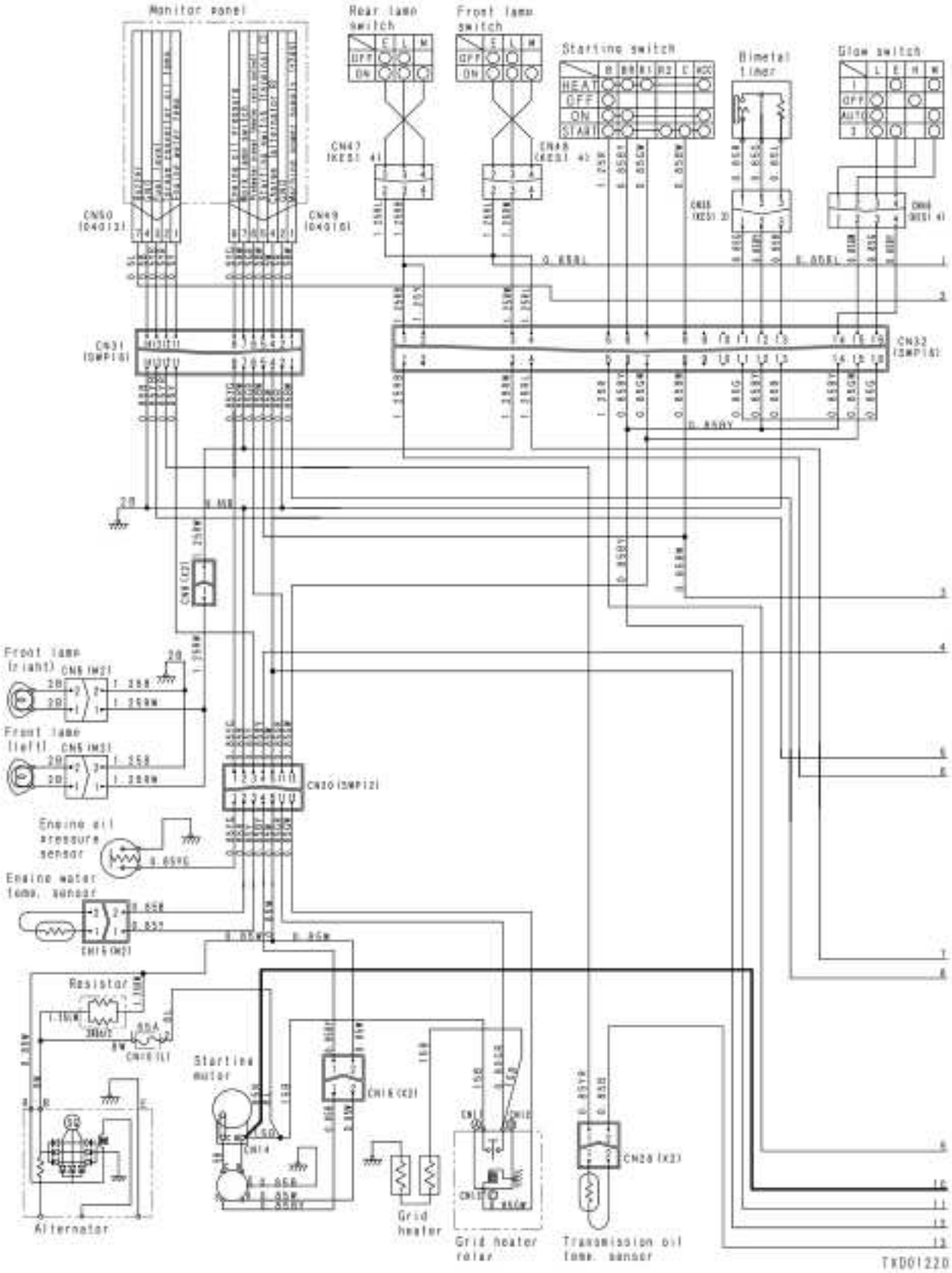
Note: 1) If the lamps (front lamps, rear lamps) or horn circuit are normal, it is possible to check instead if the lamps light up normally or if the horn sounds normally.
2) This troubleshooting uses the left wiper as an example. For the other wipers, the connector corresponding to CN11 is shown in the table below.

Wiper	Left wiper	Front wiper	Right wiper	Rear wiper
Connector No.	CN11	CN12	CN13	CN14

MidWestTech | Komatsu D61EX-12, D61PX-12 Crawler Dozer Service Manual | Public... Order the manual at mid-west-tech.com >

ELECTRICAL CIRCUIT DIAGRAMS FOR EACH SYSTEM

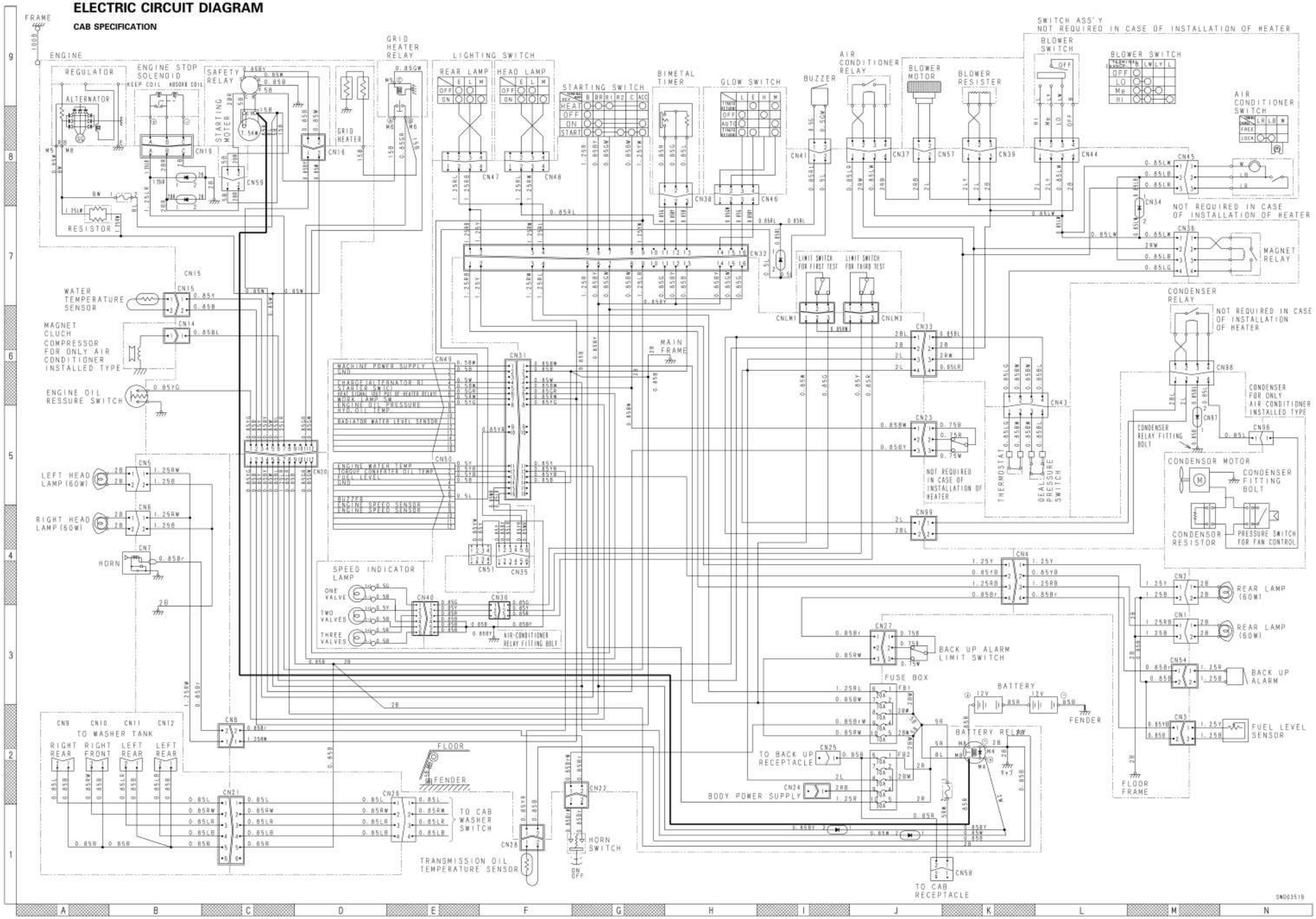
MACHINE MONITOR RELATED SYSTEM DIAGRAM



MidWestTech | Komatsu D61EX-12, D61PX-12 Crawler Dozer Service Manual | Public... Order the manual at mid-west-tech.com >

ELECTRIC CIRCUIT DIAGRAM

CAB SPECIFICATION



MidWestTech | Komatsu D61EX-12, D61PX-12 Crawler Dozer Service Manual | Publication SEBM036700

Order the manual at mid-west-tech.com >