CEBM002801

SHOP MANUAL

KOMATSU®

WA600-3L

WHEEL LOADER

SERIAL NUMBERS **WA600-3L - A52001** and up

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SPECIFICATIONS

Machine model			WA600-3L	
Serial number			A52001 and up	
Weight	Operating weight		kg	44,300
	Distribution (front)			21,010
	Distribution (rear)			23,290
Performance	Bucket capacity		m^3	6.1
	Rated load		kg	10,990
	Travel speed:			
	FORWARD 1st		km/h	6.4
	FORWARD 2nd		km/h	11.1
	FORWARD 3rd		km/h	18.8
	FORWARD 4th		km/h	30.3
	REVERSE 1st		km/h	7.1
	REVERSE 2nd		km/h	12.2
	REVERSE 3rd		km/h	20.5
	REVERSE 4th		km/h	32.7
	Max. Rimpull FORWARD		kg	35,500
	REVERSE		kg	31,900
	Gradeability		deg	25
	Min. Turning radius	Center of outside wheel	mm	6,980
		Outside portion of chassis (with tooth)		8,265
Dimensions	Overall length (with tooth)		mm	10,840
	Overall width (chassis)		mm	3,570
	Bucket width (with tooth)		mm	3,685
	Overall height (top of ROPS canopy)		mm	4,250
	Overall height (bucket raised)		mm	7,165
	Wheelbase		mm	4,100
	Tread		mm	2,650
	Minimum ground clearance		mm	495
	Height of bucket hinge pin		mm	5,155
	Dumping clearance (tip of cutting edge)		mm	3,805
	Dumping reach (tip of cutting edge)		mm	1,610
	Bucket dump angle		deg	45
	Bucket tilt angle (travel posture)		deg	49.5
	Digging depth (10° dump angle) (with tooth)		mm	440

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REAR MAIN FRAME, STEERING DRIVE, TRANSMISSION, TORQUE CONVERTER AND OIL COOLER, AND HYDRAULIC SYSTEM OIL SPECIFICATIONS

Komatsu Heavy Duty Transmission Fluid or an equivalent fluid meeting C-4 and TO-4 and NOT containing a viscosity index improver is recommended.

For service only of the equipment hydraulic system, optionally use Komatsu Hydraulic Fluid or engine oil with an API classification of CD/CC, CD or MIL-L-2104D or E and meeting C-3 and TO-2 and containing 0.10% zinc minimum.

TRANSMISSION, TORQUE CONVERTER, TRANSFER CASE AND OIL COOLER, SERVICE BRAKES AND HYDRAULIC SYSTEM OIL SPECIFICATIONS

Komatsu Engine Oil or engine oil meeting American Petroleum Institute (API) performance classification CF-4, CG-4, CF-4/SG or CG-4/SH or MIL-L-2104D or E is recommended.

NOTE: Classification CD, CE, CD/SF or CE/SF oils may be used in areas where CF-4, CG-4, CF-4/SG or CG-4/SH oil is not yet available.

FINAL DRIVE OIL SPECIFICATIONS

Komatsu Gear Lubricant or an equivalent multi-purpose gear lubricant meeting API GL-5 or MIL-L-2105C is recommended.

DRIVE AXLE OIL SPECIFICATIONS

For drive axle oil, use only the recommended oil as follows:

SHELL:	DONAX TT or TD
CALTEX:	RPM TRACTOR HYDRAULIC FLUID
CHEVRON:	TRACTOR HYDRAULIC FLUID
TEXACO:	TDH OIL
MOBIL:	MOBIL 424

★ It is possible to substitute engine oil SAE 30W API classification CD or CE for axle oil. Although increased brake noise may result, durability should not be affected.

DIESEL FUEL SPECIFICATIONS

⚠ WARNING

Possible fire hazard - never mix gasoline, gasohol and/or alcohol with diesel fuel. This practice creates an extreme fire hazard and under certain conditions an explosion which could result in personal injury or death.

⚠ WARNING

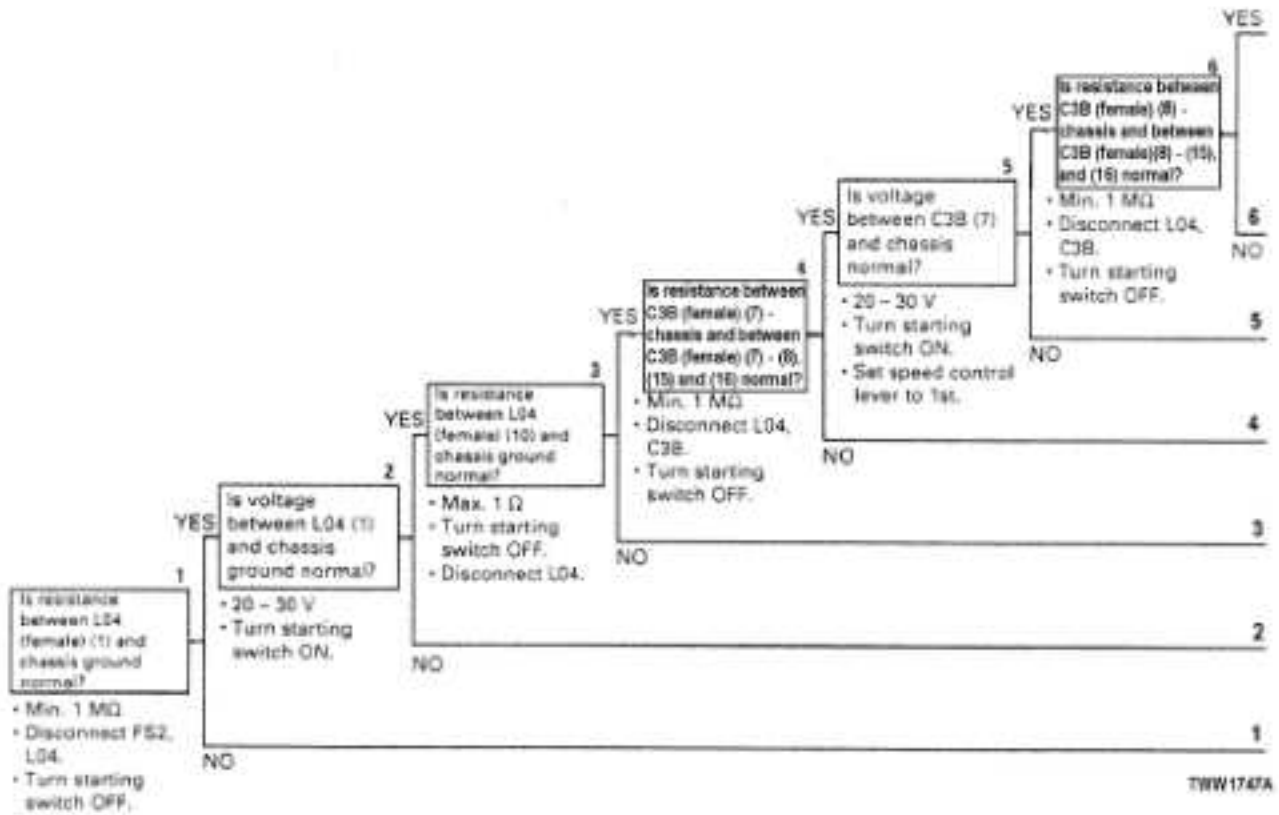
Never remove the fuel tank filler cap or refill the fuel tank while the engine is running or when hot or when the machine is indoors. Fumes are dangerous, a spark or flame could result in a fire or explosion.

NOTE: Due to the precise tolerances of diesel fuel injection systems, it is extremely important that the fuel be kept clean and free of contaminates or water. Contaminates or water in the system can cause severe damage to both the injection pump and nozzles.

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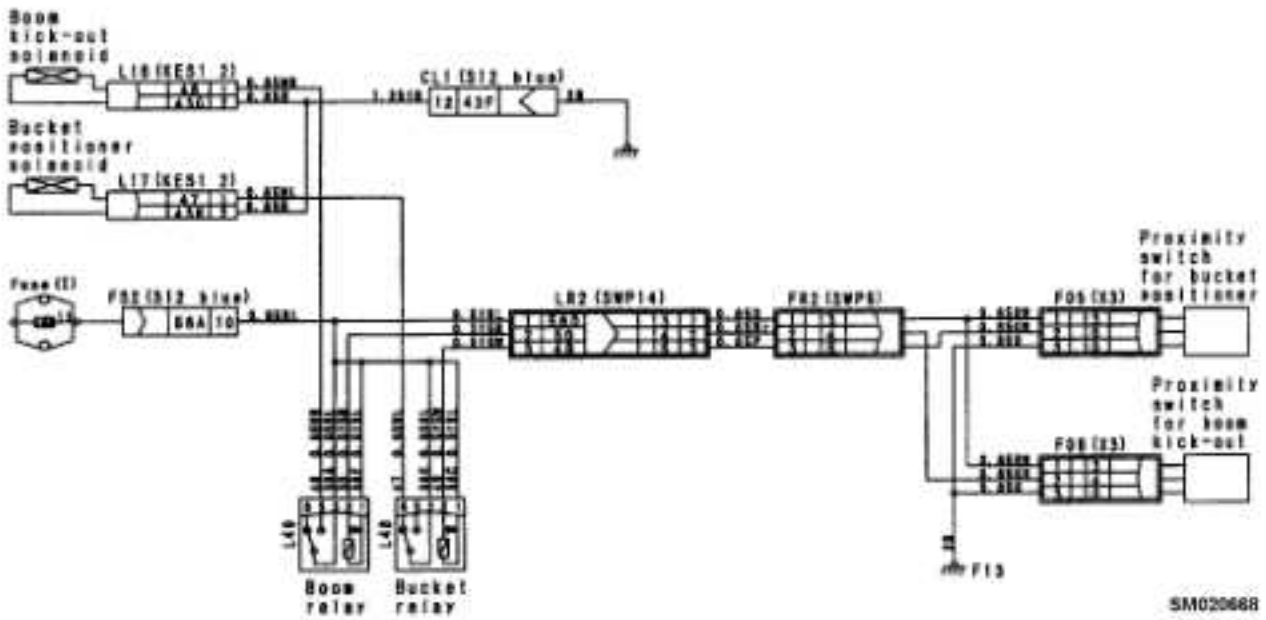
T-10 Failure code [21] (Short circuit, disconnection in range switch system) is displayed

- This procedure is performed while the abnormality still exists. Therefore, note that if the failure code is no longer displayed on the monitor when unplugging the connector and installing the T-adapter, or when removing the T-adapter and restoring the connector to its original state, the problem has been removed.
- Always turn the starting switch to OFF before disconnecting or reconnecting any electrical plugs, the T-adapter or socket.
- Ensure that all related connectors are properly inserted before troubleshooting.
- Always connect any unplugged connectors before going to the next step.



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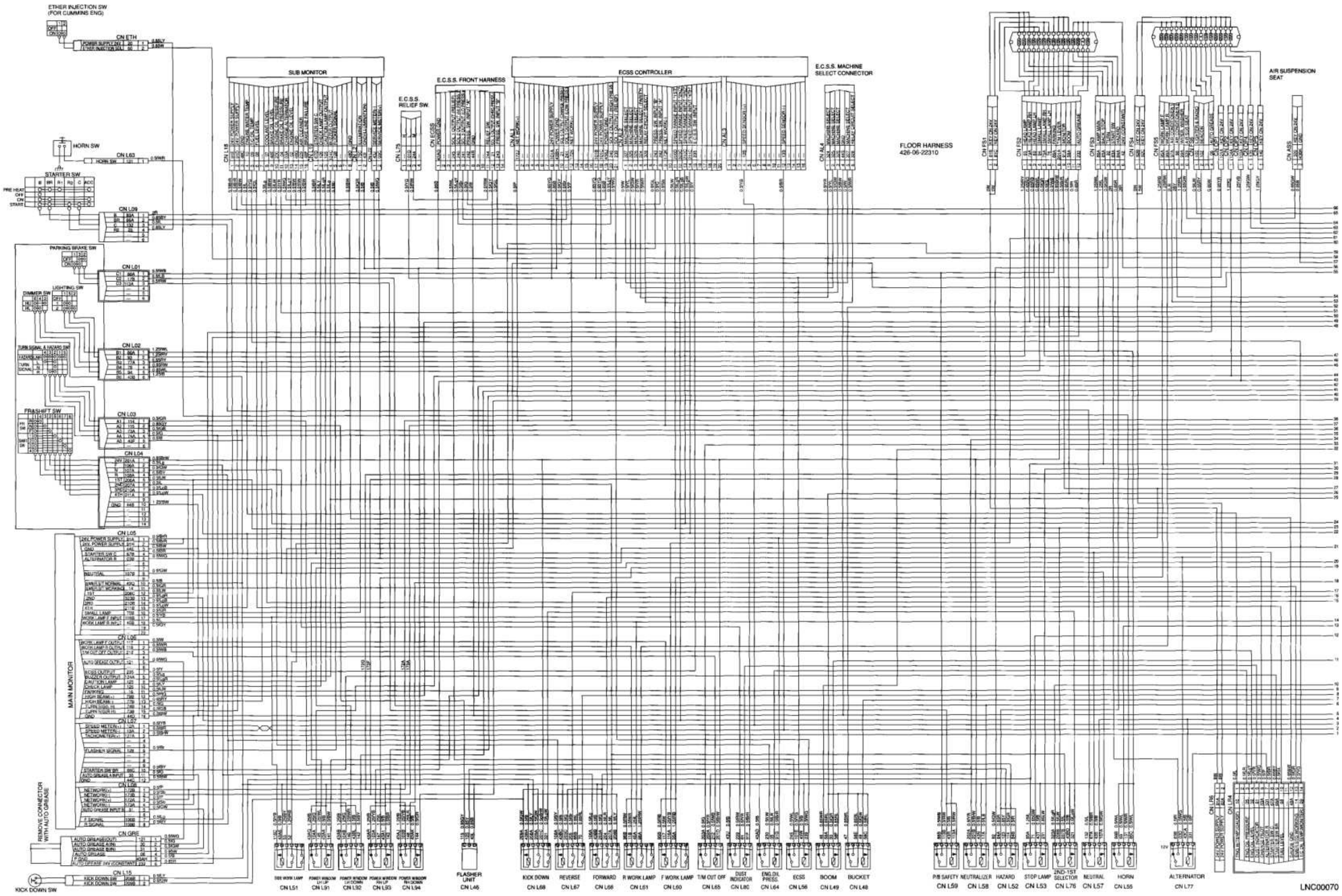
Related electrical circuit diagram for E-15



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ELECTRIC CIRCUIT DIAGRAM

Foldout No. 10-161



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