CEBMW19020

SHOP MANUAL

KOMATSU®

WA320-1LC

WHEEL LOADER

MACHINE MODEL	SERIAL NUMBERS
WA320-1LC	A25001 and up

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METHOD OF READING TROUBLESHOOTING TABLES

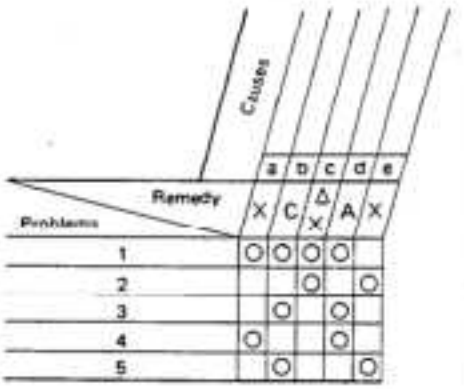
DESCRIPTION OF SYMBOLS USED IN TROUBLESHOOTING TABLES

The following symbols are used in the "Remedy" column to indicate the method of eliminating the cause of a fault.

X: Replace
A: Adjusting
△: Repair
C: Clean

METHOD OF READING TROUBLESHOOTING TABLES

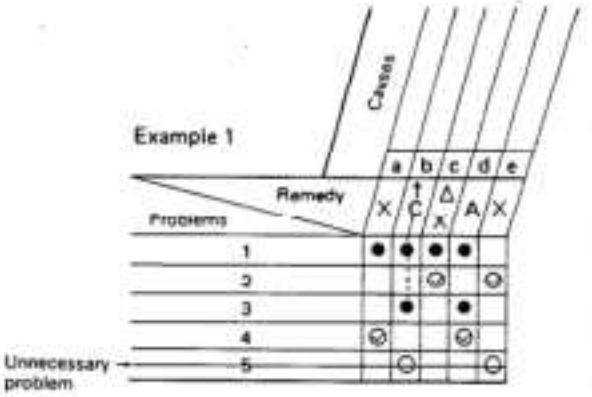
- The symbol o in the table is inserted only for causes which can be diagnosed. If a cause cannot be diagnosed, the corresponding box is left blank.
- If the result of problem 1 using the troubleshooting table shown at right is abnormal, the cause of the trouble can be assumed to lie between "a" and "d". Because it is not possible to make a problem regarding "e", it is necessary to perform the next problem (owing to the possibility of a multiple fault). If the result of problem 1 is normal, the cause of the fault does not lie between "a" and "d". In such a case, before diagnosing the cause as "e", however, carry out a check by means of problem 2 or 5.
- If now the result of problem 1 is abnormal and the result of problem 2 normal, the cause is one of "a", "b" or "d". In addition, if the result of problem 3 is abnormal, the cause will be narrowed down to one of "b" or "d". To determine which of "b" or "d" is the actual cause, perform problem 4.
- If the result of problem is abnormal, blacken out the corresponding o in the table and then perform the next problem on these causes in order to narrow the likely causes.



Example 1:

Problem 1 → Abnormal
Problem 2 → Normal
Problem 3 → Abnormal
Problem 4 → Normal

From the table of example 1, the cause of the fault is "b".

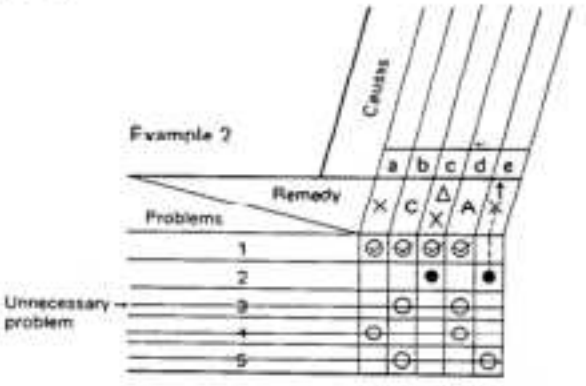


Example 2:

Problem 1 → Normal
Problem 2 → Abnormal

From the table of example 2, the cause of the fault is "e".

★ In example 2, it is evident that the cause is "e" without carrying out problem 2, however problem 2 is performed by way of an additional check.



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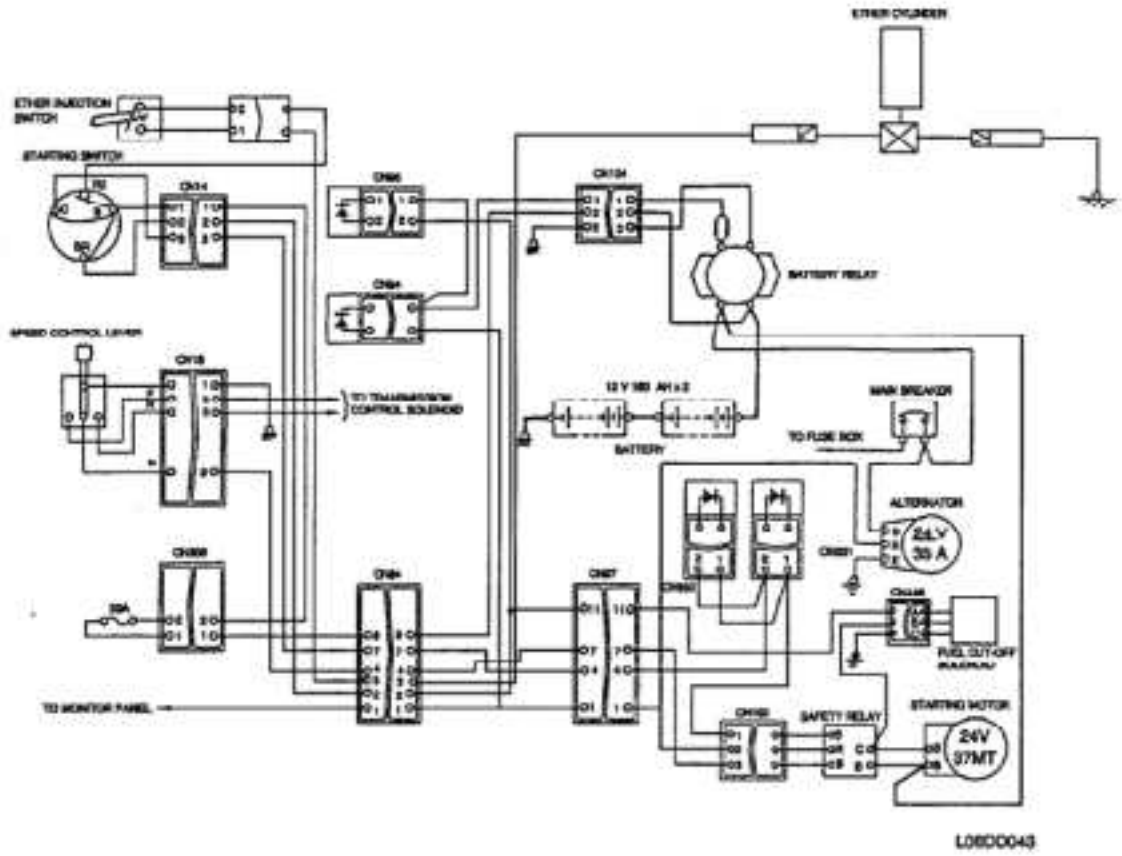
TOOL LIST

No.	Testing and measuring item	Tool name	Part number	Remark
1	Oil temperature	Thermistor kit	799-101-6000	0-1,000°C
2	Oil pressure	Hydraulic tester	799-101-5000	0-25 kg/cm² 0-50 kg/cm² 0-300 kg/cm²
3	Measuring clearance	Feeler gauge	Commercially available	0.1-3.0 mm
4	Brake pedal operating force	Push gauge	79A-264-0020	0-110 kg
5	Brake oil pressure	Hydraulic tester	793-605-1001	0-100 kg
6	Thickness of pad	Vernier calipers	Commercially available	150-200 mm
7	Brake distance	Tape measure	Commercially available	30 m
8	Operating time	Stop watch	Commercially available	1/10 second
9	Measuring travel	Convex scale	Commercially available	0-2 m

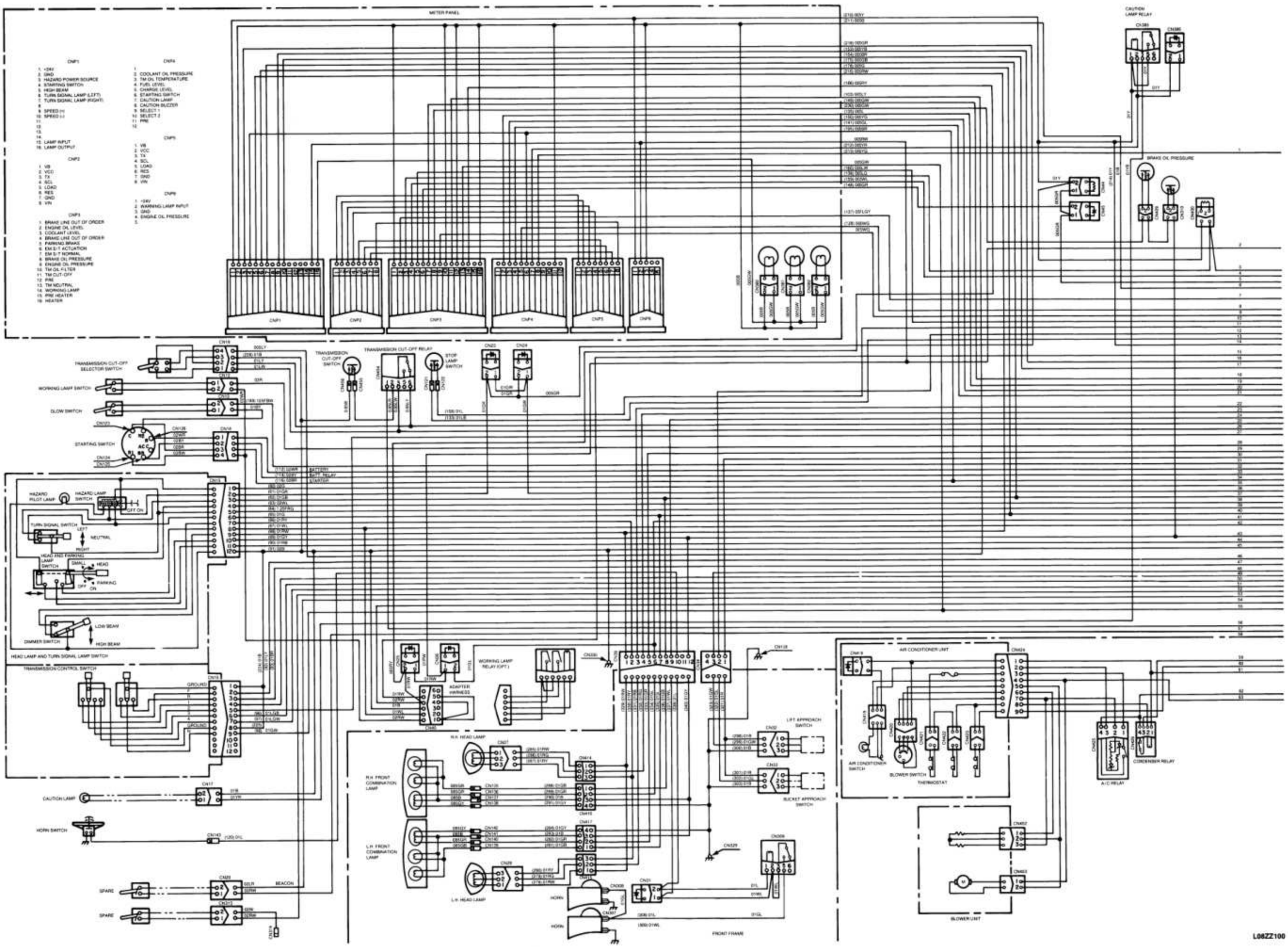
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ELECTRICAL CIRCUIT SYSTEM

ENGINE STARTING CIRCUIT SYSTEM



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