CEBM001203

Shop Manual

KOMATSU®

WA500-3

WHEEL LOADER

SERIAL NUMBERS **WA500-3LE A70001 and up**

ENGINE **NTA14C**

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March 2013

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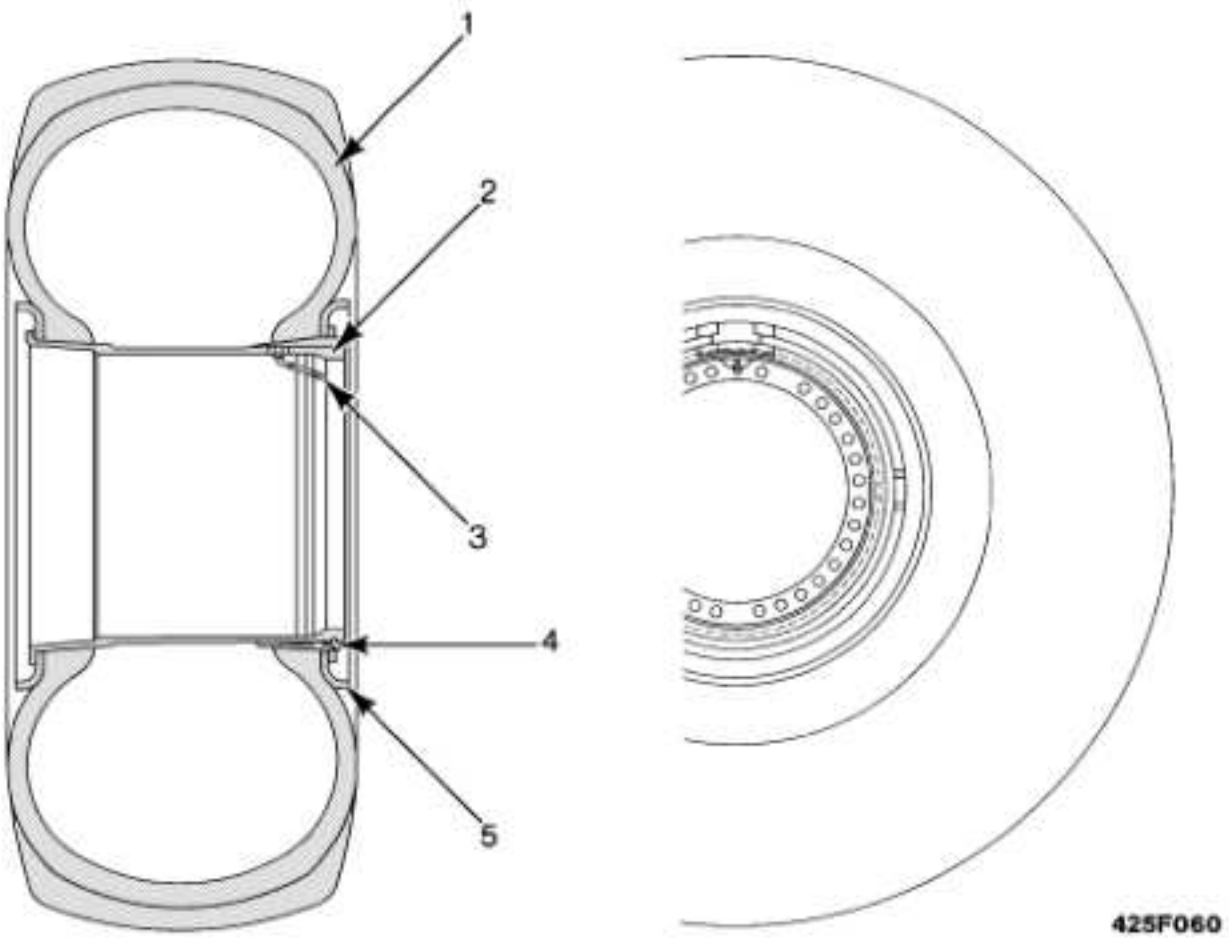
TIRE AND WHEEL

The tire acts to absorb the shock from the ground surface to the machine, and at the same time they must rotate in contact with the ground to gain the power which drives the machine

Various types of tires are available to suit the purpose. Therefore it is very important to select the correct tires for the type of work and bucket capacity.

Specifications

Tire type: 26.5 x 25, 20PR
TRA code: L3
Nominal size of wheel: 22.00 x 25WTB
Nominal inflation pressure:
FRONT tire: 441.3 kPa (4.5 kg/cm², 63.9 psi)
REAR tire: 343.2 kPa (3.5 kg/cm², 49.7 psi)



1. Tire
2. Rim
3. Air valve
4. Lock ring
5. Side ring

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METHOD OF USING JUDGEMENT CHARTS

1. Category of troubleshooting code number

Troubleshooting Code No.	Component
S-00	Troubleshooting of engine system
T-00	Troubleshooting of transmission controller system
M-00	Troubleshooting of main monitor system
K-00	Troubleshooting of maintenance monitor system
E-00	Troubleshooting of electrical system
H-00	Troubleshooting of hydraulic, mechanical system
D-00	Troubleshooting of ECSS
J-00	Troubleshooting of joystick steering controller system

2. Method of using troubleshooting table

1) Troubleshooting code number and problem:
The top left of the troubleshooting chart gives the troubleshooting code number and the problem with the machine.

2) Distinguishing conditions:
Even with the same problem, the method of troubleshooting may differ according to the model, component, or problem. In such cases, the troubleshooting chart is further divided into sections marked with small letters (for example, a), b)), so go to the appropriate section to carry out troubleshooting.
If the troubleshooting table is not divided into sections, start troubleshooting from the first check item.

3) General precautions:
When using the troubleshooting chart, precautions that apply to all items are given at the top of the page and marked with
The precautions marked
the check inside the box.

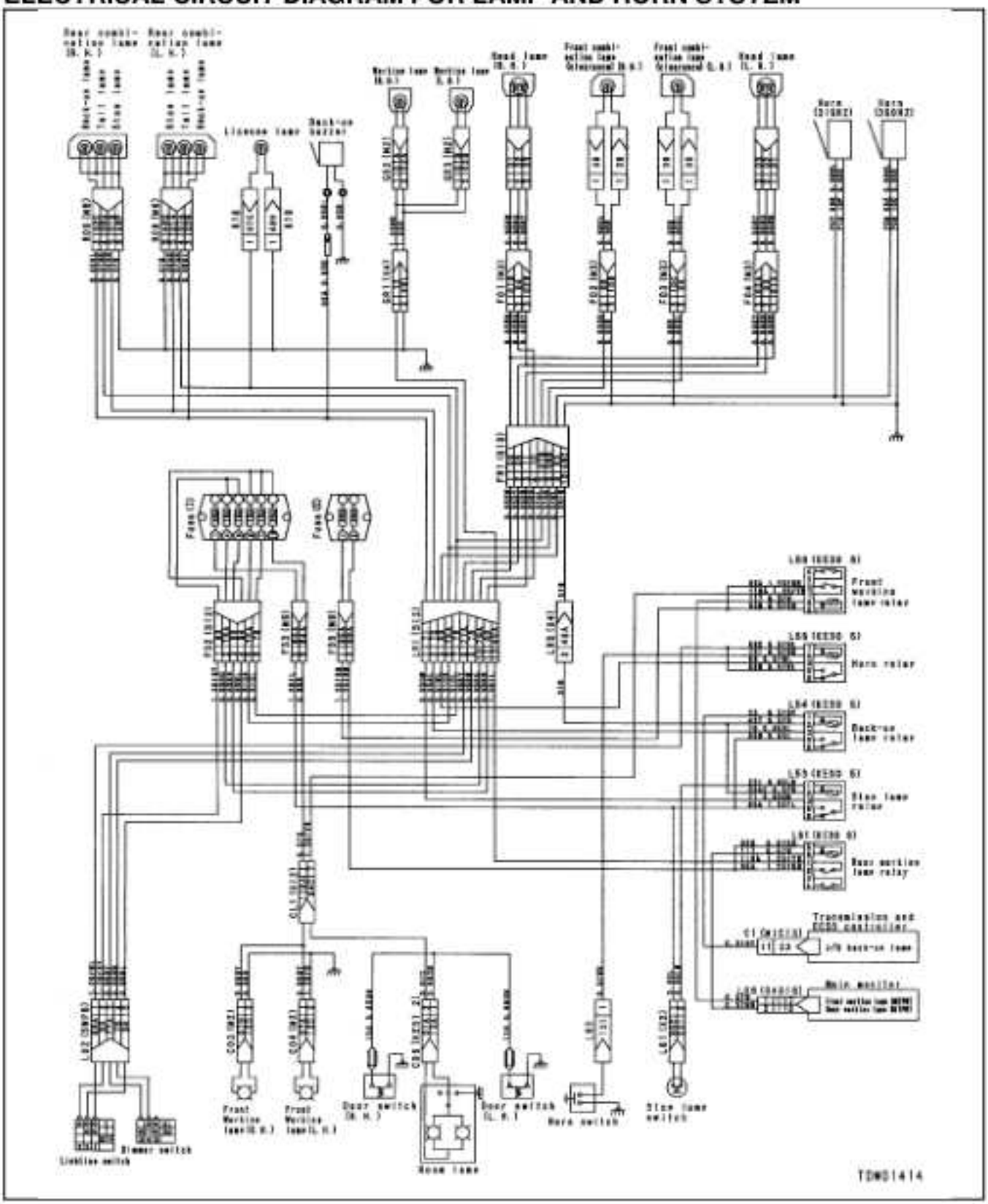
4) Method of following troubleshooting chart:
Check or measure the item inside E- , and according to the answer follow either the YES line or the NO line to go to the next box. (Note: The number written at the top right corner of the box is an index number; it does not indicate the order to follow.)
Following the YES or NO lines according to the results of the check or measurement will lead finally to the Cause column. Check the cause and take the action given in the Remedy column on the right.
Below the box there are the methods for inspection or measurement, and the judgement values. If the judgement values below the box are correct or the answer to the question inside the box is YES, follow the YES line; if the judgement value is not correct, or the answer to the question is NO, follow the NO line.
Below the box is given the preparatory work needed for inspection and measurement, and the judgement values. If this preparatory work is neglected, or the method of operation or handling is mistaken, there is danger that it may cause mistaken judgement, or the equipment may be damaged. Therefore, before starting inspection or measurement, always read the instructions carefully, and start the work in order from Item 1).

5) Troubleshooting tools:
When carrying out the troubleshooting, prepare the necessary troubleshooting tools. For details, see TOOLS FOR TESTING, ADJUSTING, AND TROUBLESHOOTING.

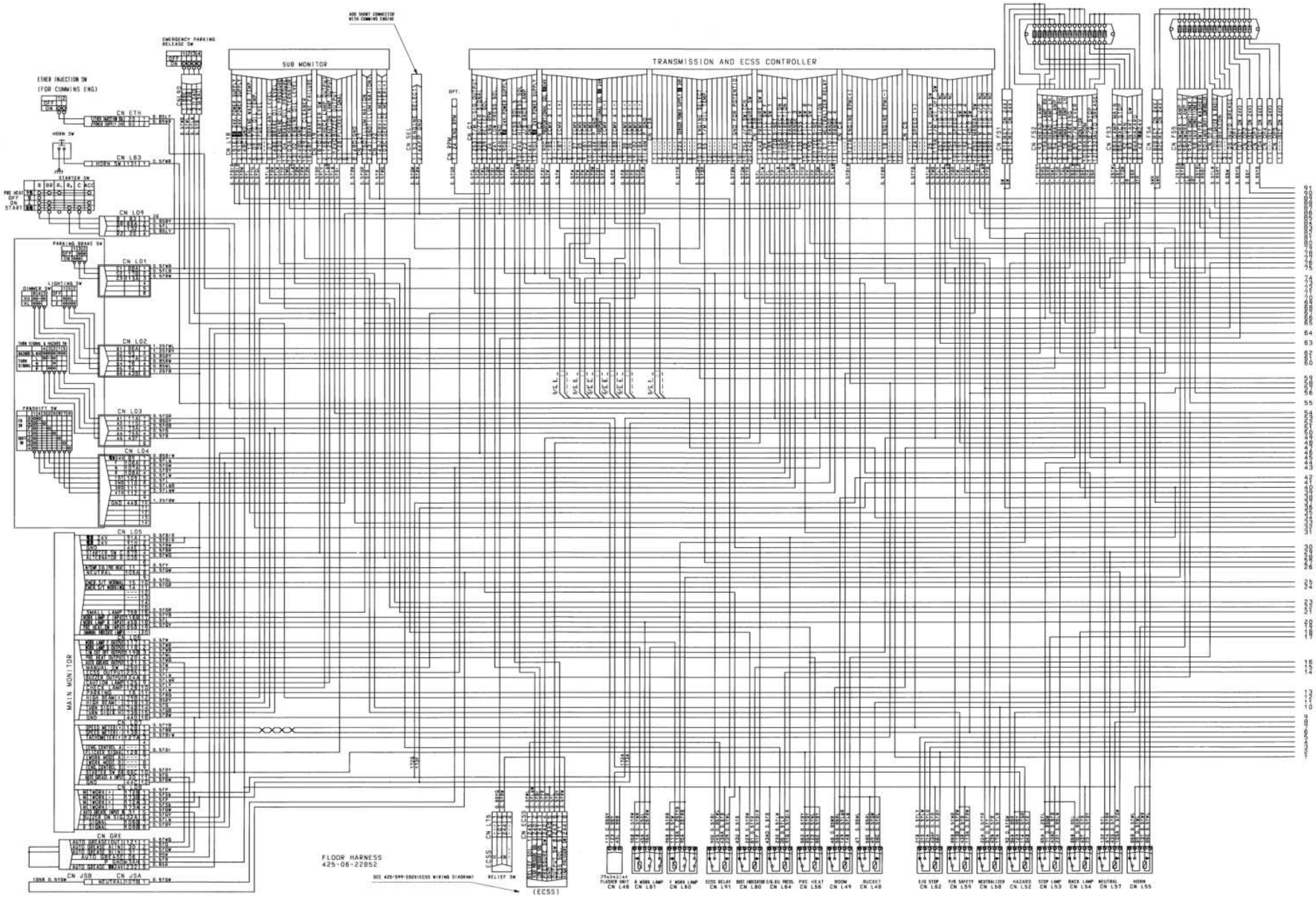
6) Installation position, pin number:
A diagram or chart is given for the connector type, installation position, and connector pin number connection. When carrying out troubleshooting, see this chart for details of the connector pin number and location for inspection and measurement of the wiring connector number appearing in the troubleshooting flow chart.

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ELECTRICAL CIRCUIT DIAGRAM FOR LAMP AND HORN SYSTEM



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