WHEELED EXCAVATOR

# SERVICE MANUAL

## *R210W-9S*

HYUNDAI

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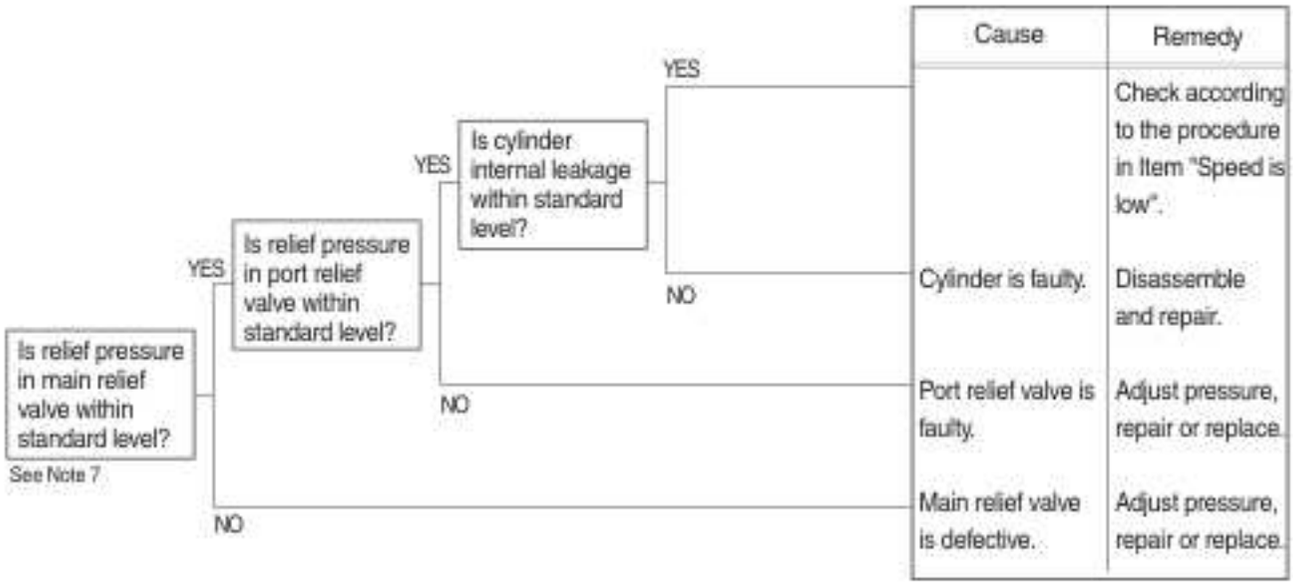
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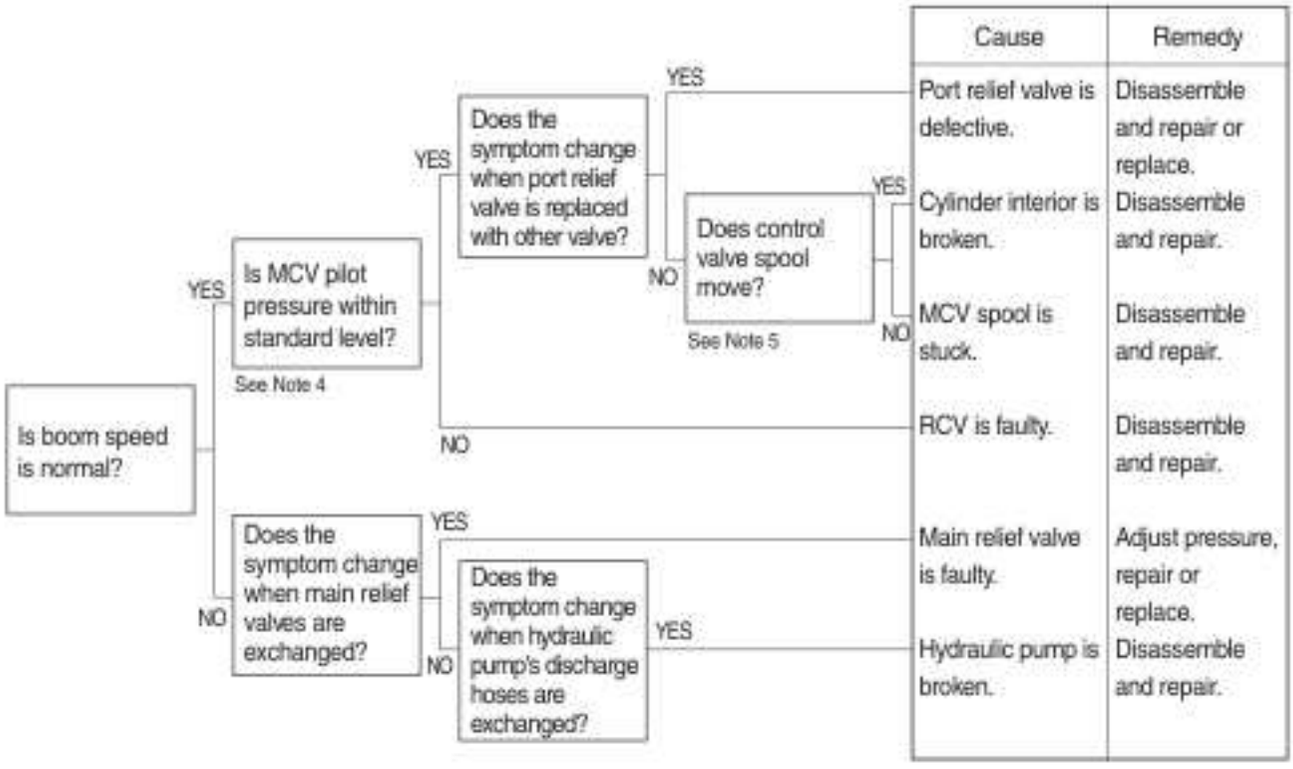
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## 4) BOOM, ARM OR BUCKET POWER IS WEAK




## 5) ONLY BUCKET OPERATION IS TOTALLY IMPOSSIBLE





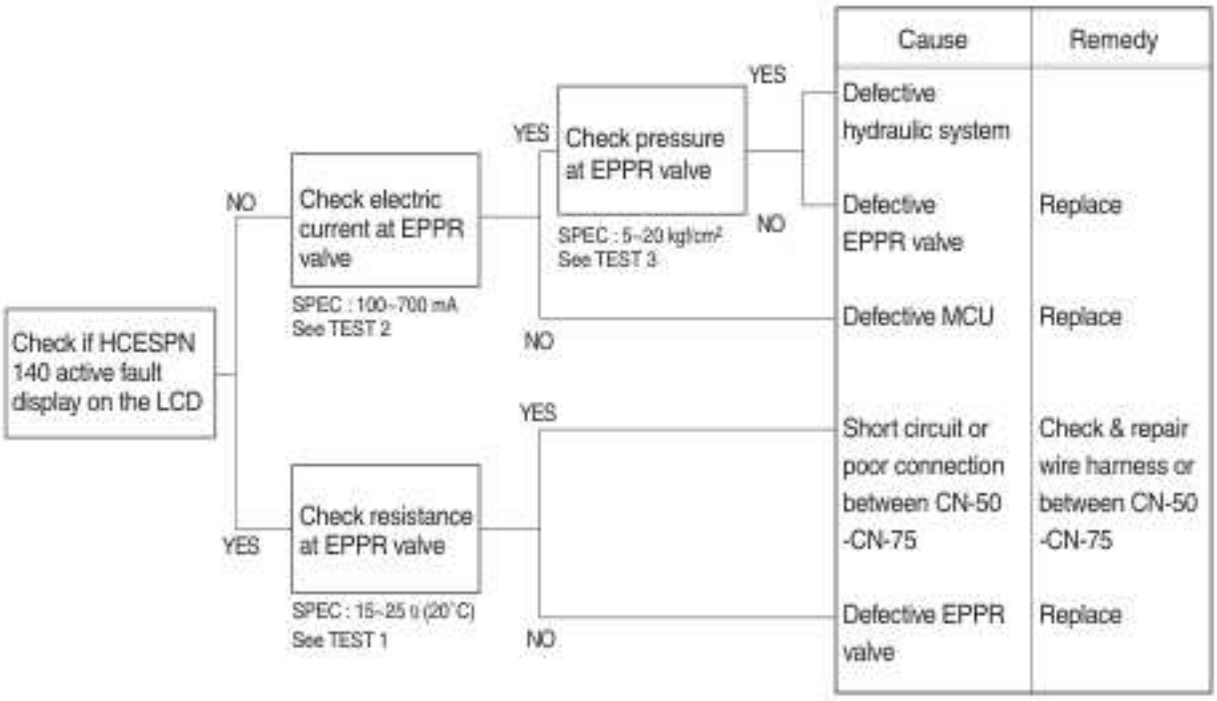

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## ■ MECHATRONICS SYSTEM (CLUSTER TYPE 2)

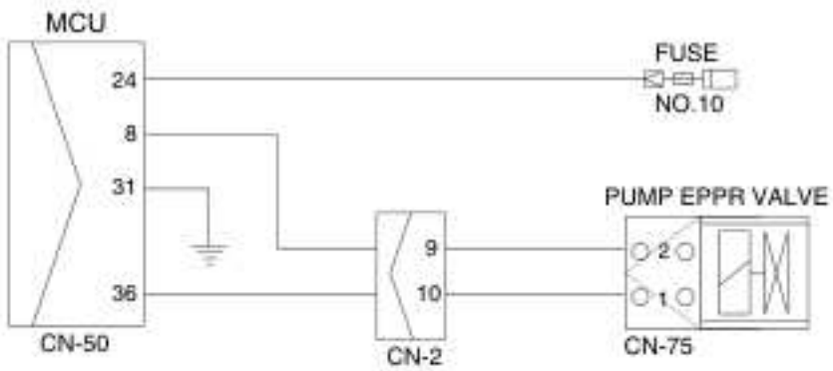
### 1. ALL ACTUATORS SPEED ARE SLOW

※ Boom, Arm, Bucket, Swing and travel speed are slow, but engine speed is good.
※ Spec : M-mode 1900 ± 50 rpm H -mode 1800 ± 50 rpm S-mode 1700 ± 50 rpm
※ Before carrying out below procedure, check all the related connectors are properly inserted and fault code on the cluster.

#### 1) INSPECTION PROCEDURE




Wiring diagram






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21) Mount cpl. lubrication pump and fasten it with cylindrical screws and disks.

Tightening torque (M8/10.9) $M_A$ = 23 Nm

※ Prior to putting the unit into operation, observe the specifications and regulations.



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### 3) ASSEMBLING PINION GEAR SUB ASSY

(1) Prepare drive shaft pinion gear vertical with ground.

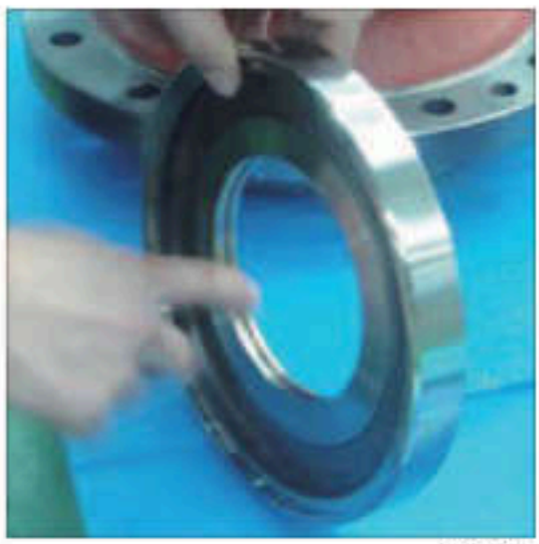


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(2) Fully apply grease (albania EP02) to O-ring groove of sleeve.

※ Be sure to maintain it vertical with ground when assembling it.

(3) Put O-ring into O-ring groove of sleeve. Fully apply grease on O-ring.



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(4) Assemble taper bearing and sleeve into drive shaft using press jig.
Use special jig for pressing. Leave no space between sleeve and taper bearing.



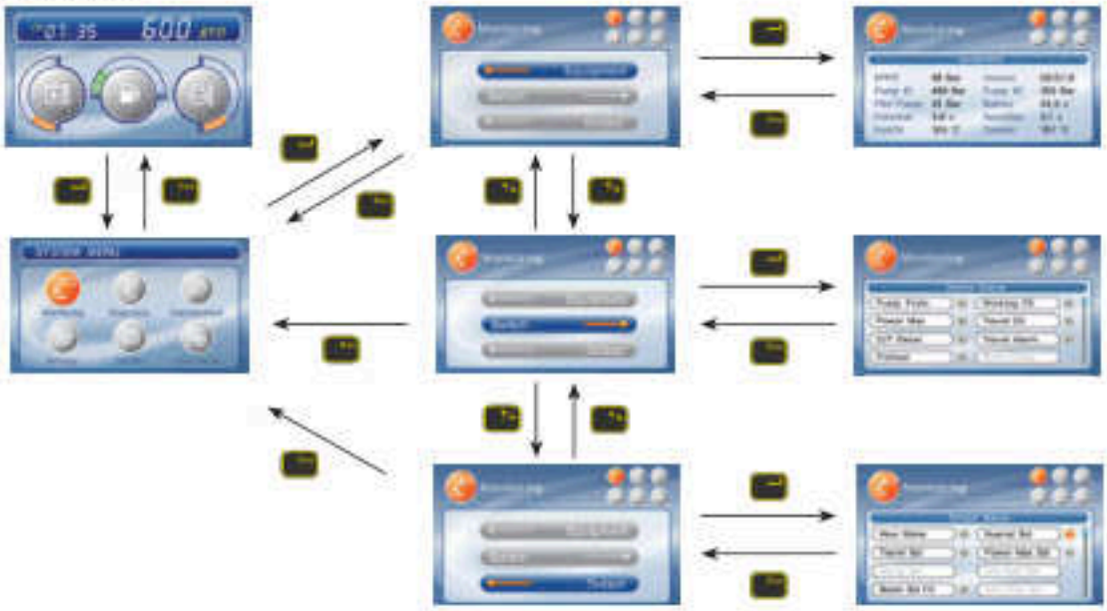
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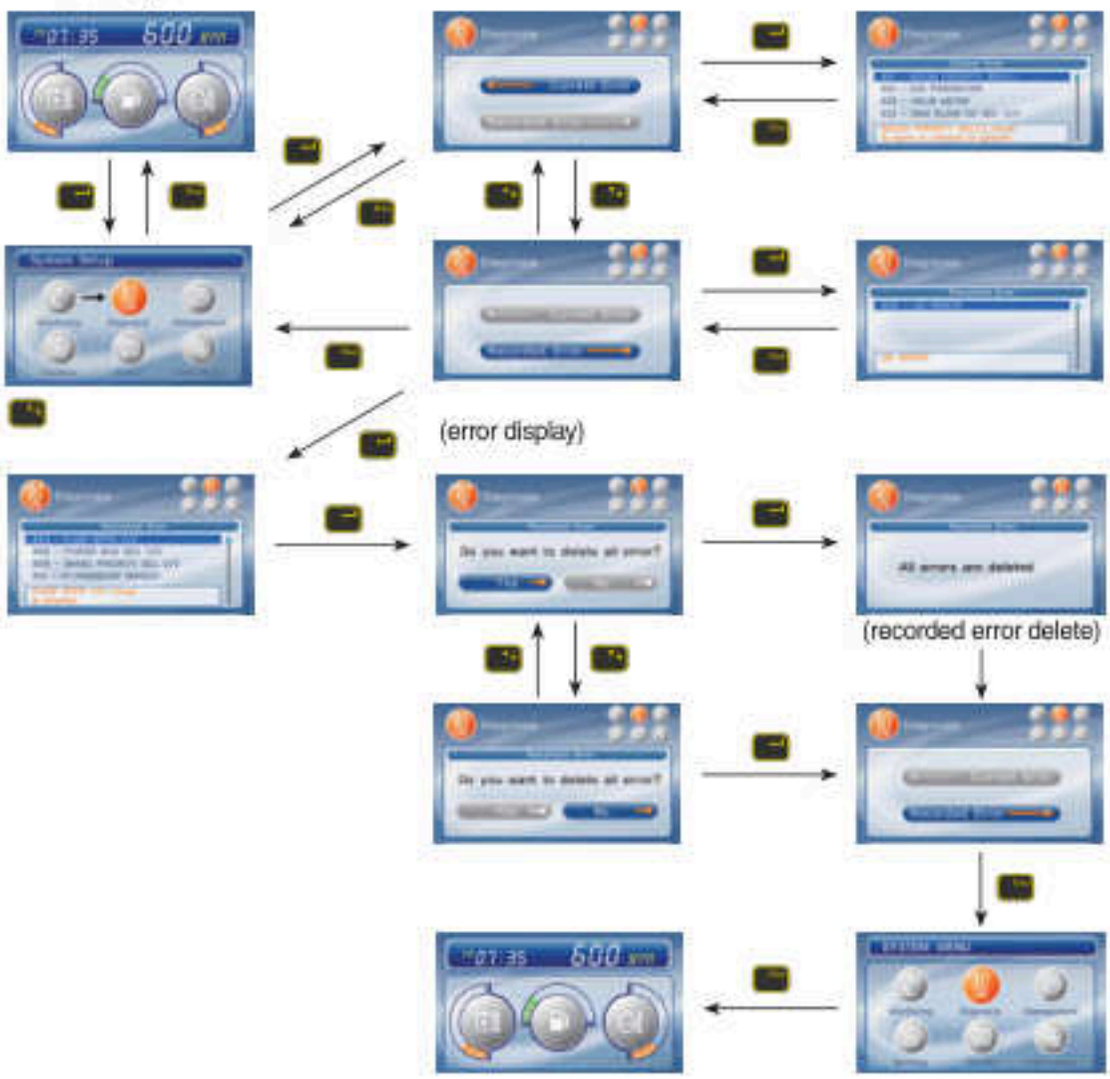
(2) Display map

① Monitoring



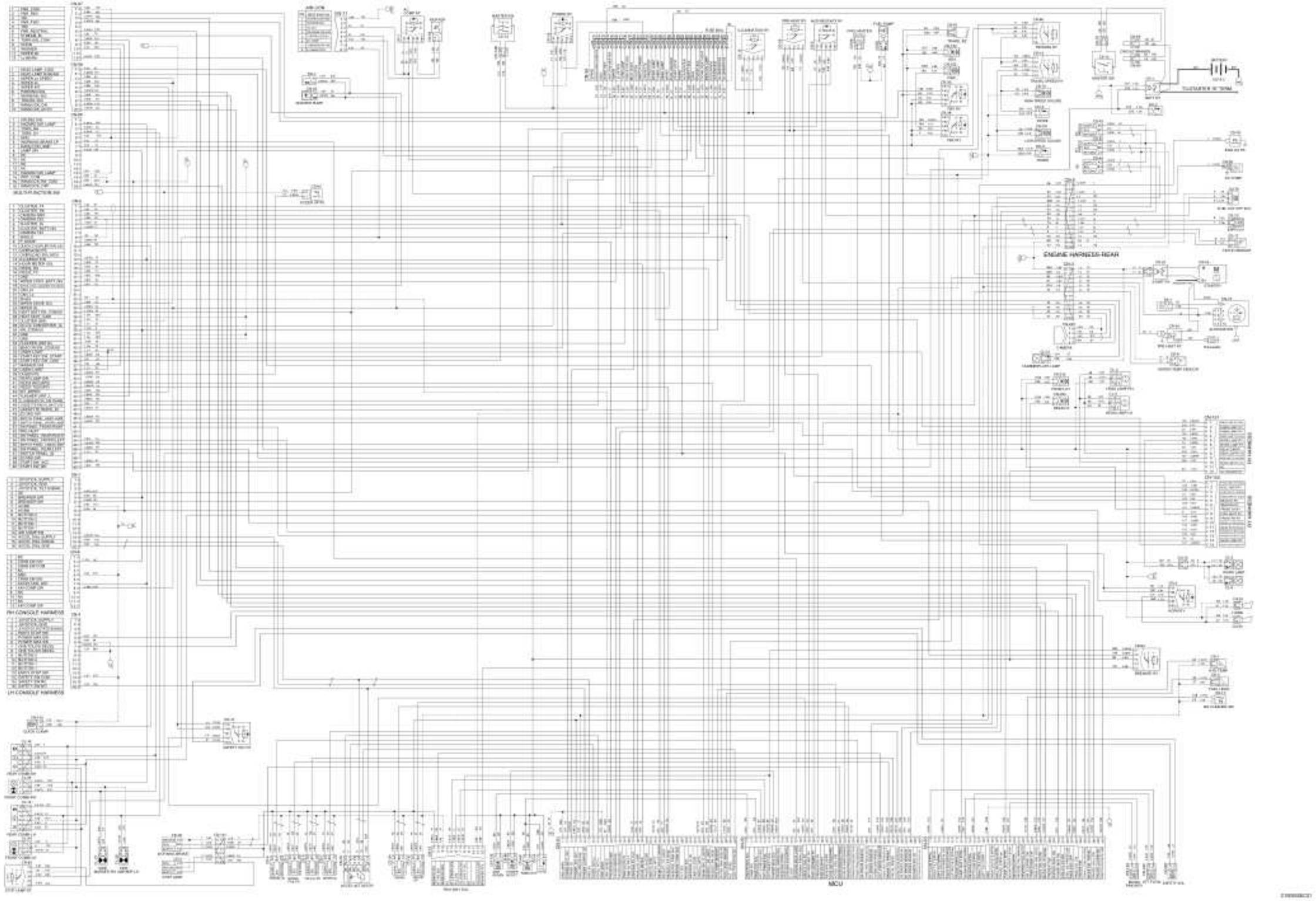
② Diagnosis

a. Protocol type 1






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