CRAWLER EXCAVATOR

SERVICE MANUAL

R360LC-7A

HYUNDAI

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6. BUCKET SELECTION GUIDE

1) GENERAL BUCKET

					
1.15m³ SAE heaped bucket	1.46m³ SAE heaped bucket	※ 1.62m³ SAE heaped bucket	1.86m³ SAE heaped bucket	2.10m³ SAE heaped bucket	2.32m³ SAE heaped bucket

Capacity		Width		Weight	6.5m (21' 4") boom				6.15m(20'2") boom	8.6m(28' 3") boom
SAE heaped	CECE heaped	Without side cutter	With side cutter		2.5m arm (8' 2")	3.2m arm (10' 6")	3.9m arm (12' 10")	4.3m arm (14' 1")	2.5m arm (8' 2")	5.1m arm (16' 9")
1.15m³ (1.5yd³)	1.0m³ (1.3yd³)	1090mm (42.9")	1220mm (48.0")	1030kg (2270lb)						
1.46m³ (1.91yd³)	1.27m³ (1.66yd³)	1380mm (54.3")	1510mm (59.4")	1170kg (2580lb)						
※ 1.62m³ (2.12yd³)	1.40m³ (1.8yd³)	1440mm (56.7")	1570mm (61.8")	1280kg (2820lb)						
1.86m³ (2.43yd³)	1.60m³ (2.1yd³)	1620mm (63.8")	1750mm (68.9")	1390kg (3060lb)						
2.10m³ (2.75yd³)	1.80m³ (2.4yd³)	1810mm (71.3")	1940mm (76.4")	1520kg (3350lb)						
2.32m³ (3.03yd³)	2.0m³ (2.6yd³)	1990mm (78.3")	2120mm (83.5")	1760kg (3880lb)						

※ : Standard bucket

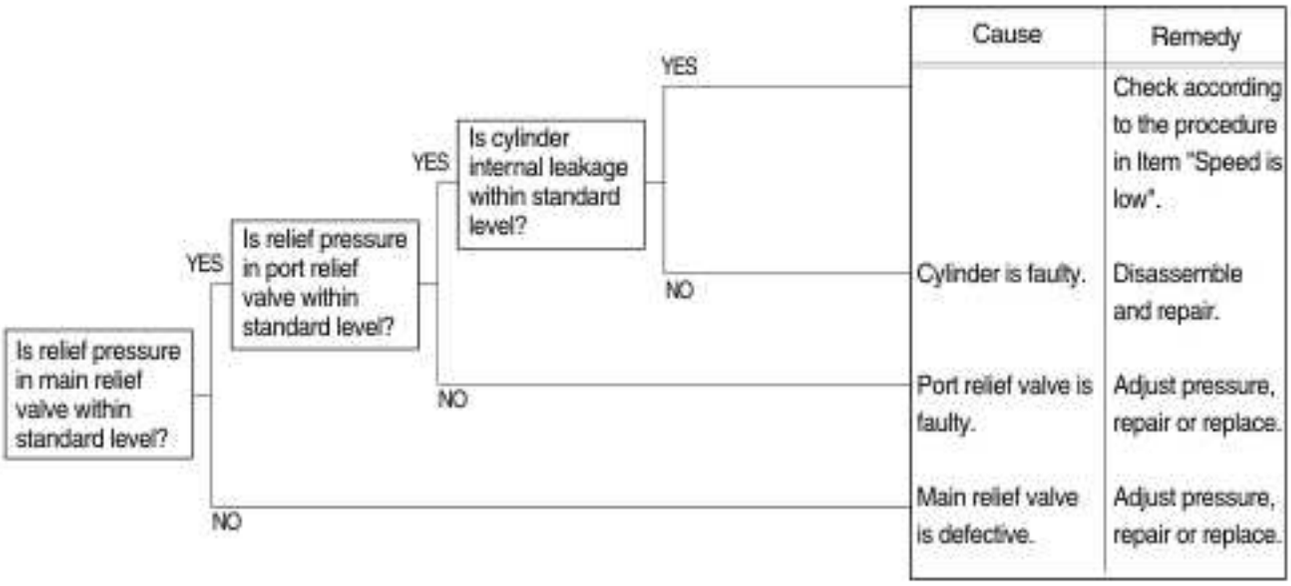
Applicable for materials with density of 2000kgf/m³ (3370lbf/yd³) or less

Applicable for materials with density of 1600kgf/m³ (2700lbf/yd³) or less

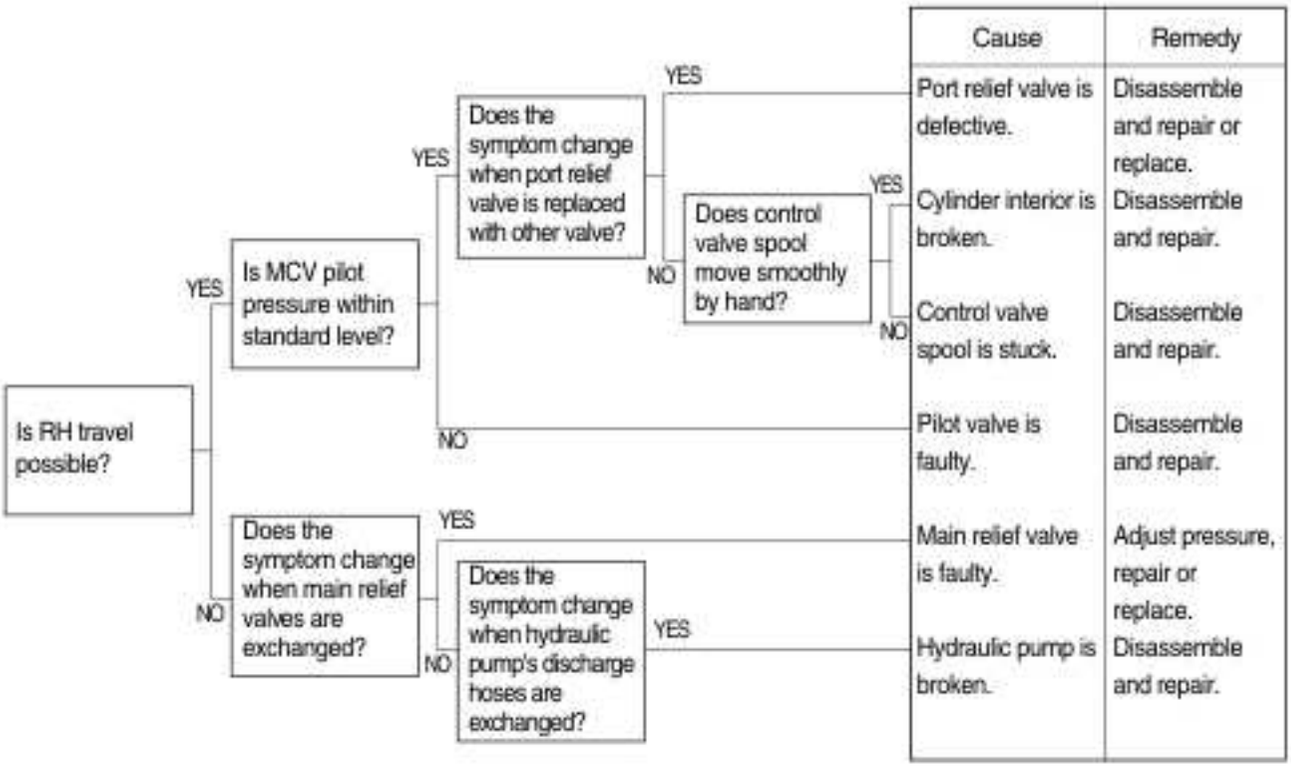
Applicable for materials with density of 1100kgf/m³ (1850lbf/yd³) or less

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4) BOOM, ARM OR BUCKET POWER IS WEAK



5) ONLY BUCKET OPERATION IS TOTALLY IMPOSSIBLE



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4. AUTO DECEL SYSTEM DOES NOT WORK

※ Before carrying out below procedure, check all the related connectors are properly inserted.

1) INSPECTION PROCEDURE

Check voltage between CN-51 (1)-GND and CN-51(13)-GND

SPEC :
Actuator operating : 0~1V
Actuator stop :4~5V
See TEST 6
See TEST 7

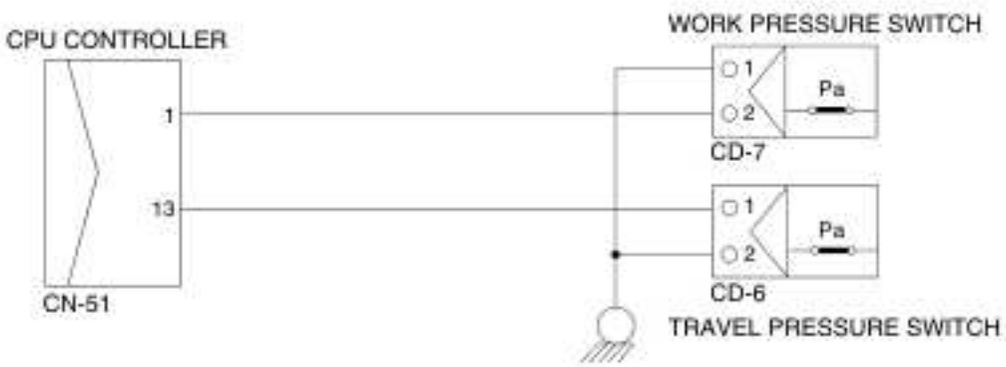
YES

NO

NO

Cause	Remedy
Defective CPU controller	Replace
Short circuit or poor connection vetween CN-51(1), (13)- pressure switches	Replace or repair
Defective auto decel pressure switch	Replace

Wiring diagram



3607AEMS10

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(8) Remove carrier 2(6), with planetary gears 2(13), sun gear 3(11), etc. fitted.

※ Use M10 eyebolt. In this case, thrust ring(26) is removed simultaneously.



(9) Disassembling of carrier 2 sub-assembly

① Push in spring pin(36), and remove pin 2(16), from carrier 2.

※ Carry out the following check in advance. If any abnormality should be found, carry out disassembling.

- Is there any crevice, crack or pitting on tooth surface of planetary gear?
- When turning planetary gear lightly, is there any abnormal noise or eccentric clearance? Carry out check similarly to the above for carrier 3.



② Remove side plate(20), planetary gear 2(13), and needle bearing(22) from carrier 2.

③ Remove thrust ring(26).



④ Remove snap ring(46), and remove carrier 2(6) from sun gear 3(11).

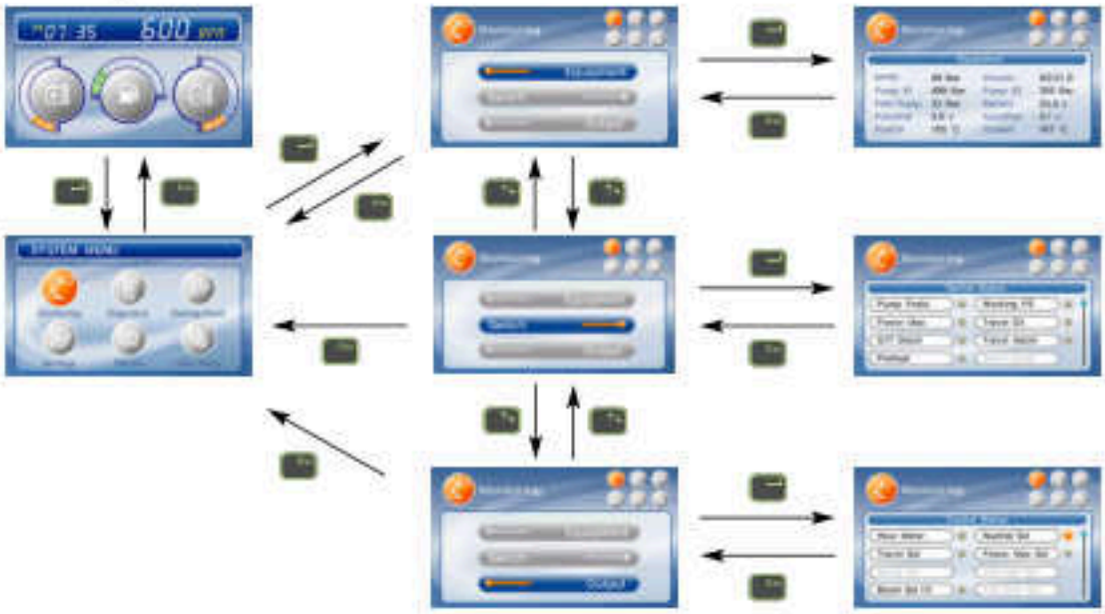
⑤ Remove thrust ring(27) from sun gear 3(11).



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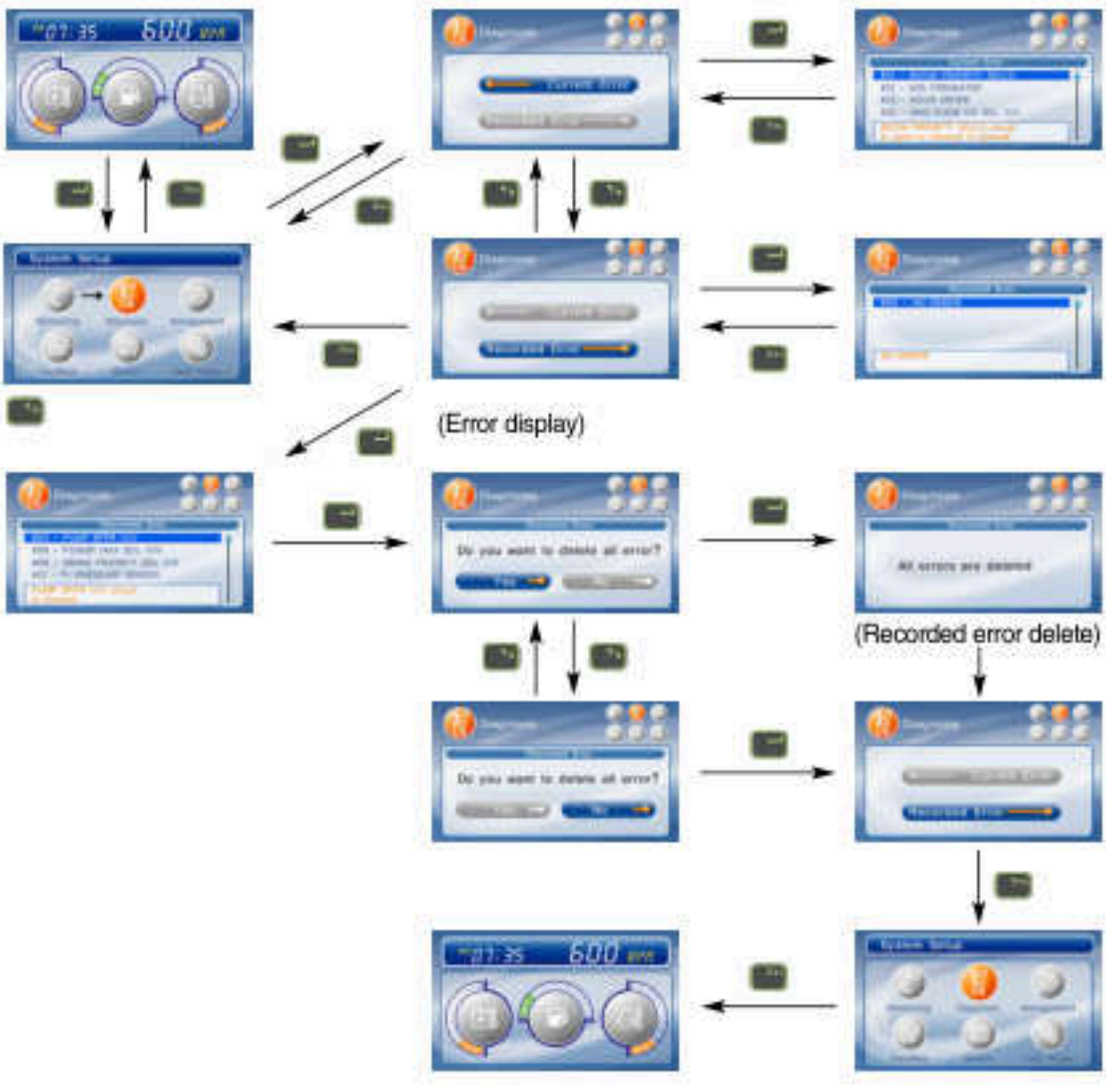
(2) Display map

① Monitoring

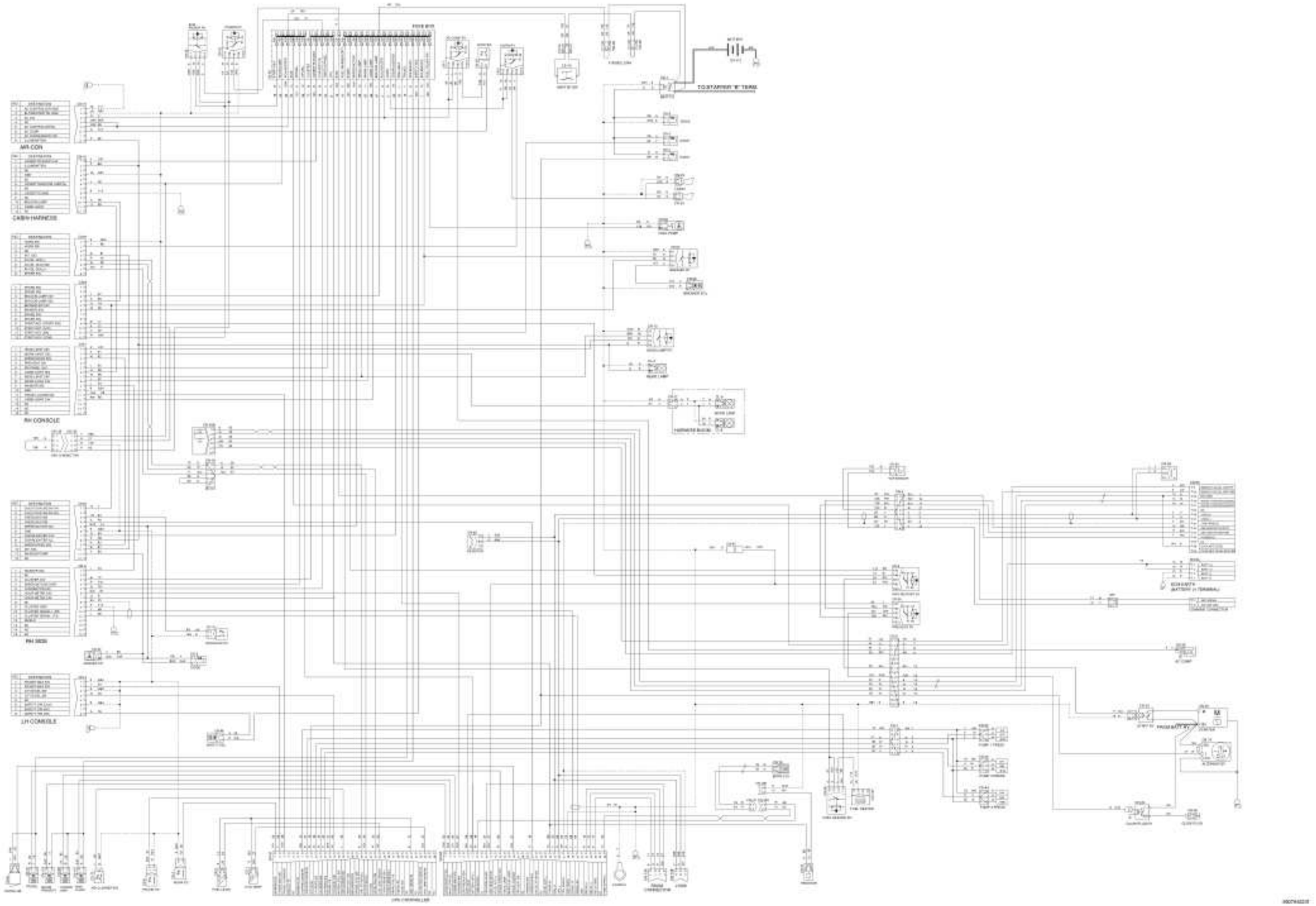


② Diagnosis

a. Protocol type 1



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