CRAWLER EXCAVATOR

SERVICE MANUAL

R480, R520LC-9S

HYUNDAI

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(2) HEAVY DUTY AND ROCK-HEAVY DUTY BUCKET

			
◆ 2.20 m³ SAE ◆ 2.43 m³ SAE ◆ 2.79 m³ SAE heaped bucket	◆ 3.00 m³ SAE ◆ 3.20 m³ SAE heaped bucket	⊙ 2.20 m³ SAE ⊙ 2.43 m³ SAE ⊙ 2.79 m³ SAE heaped bucket	⊙ 3.20 m³ SAE heaped bucket

Capacity m³ (yd³)		Width mm (in)	Weight kg (lb)	Tooth EA	Recommendation mm (ft-in)					
					6550 (21' 6") boom		7060 (23' 2") boom			
SAE heaped	CECE heaped				2400 (7' 10") Arm	2550 (8' 4") Arm	2400 (7' 10") Arm	2900 (9' 6") Arm	3380 (11' 1") Arm	4000 (13' 1") Arm
◆ 2.20 (2.88)	1.93 (2.52)	1605 (63")	2320 (5110)	5	●	●	●	◐	◐	■
◆ 2.43 (3.18)	2.11 (2.76)	1750 (69")	2450 (5400)	5	●	●	◐	◐	■	▲
◆ 2.79 (3.65)	2.47 (3.23)	1785 (70")	2630 (5800)	5	◐	◐	■	■	▲	▲
◆ 3.00 (3.92)	2.67 (3.49)	1905 (75")	2790 (6150)	6	◐	■	■	▲	▲	
◆ 3.20 (4.19)	2.82 (3.69)	1995 (79")	2870 (6330)	6	■	■	▲	▲		
⊙ 2.20 (2.88)	1.93 (2.52)	1605 (63")	2610 (5750)	5	●	●	●	◐	■	
⊙ 2.43 (3.18)	2.11 (2.76)	1750 (69")	2730 (6020)	5	●	◐	◐	■	■	
⊙ 2.79 (3.65)	2.47 (3.23)	1785 (70")	2950 (6500)	5	◐	■	■	▲	▲	
⊙ 3.20 (4.19)	2.82 (3.69)	1995 (79")	3230 (7120)	6	■	▲	▲	▲		

◆ : Heavy duty bucket

⊙ : Rock-heavy duty bucket

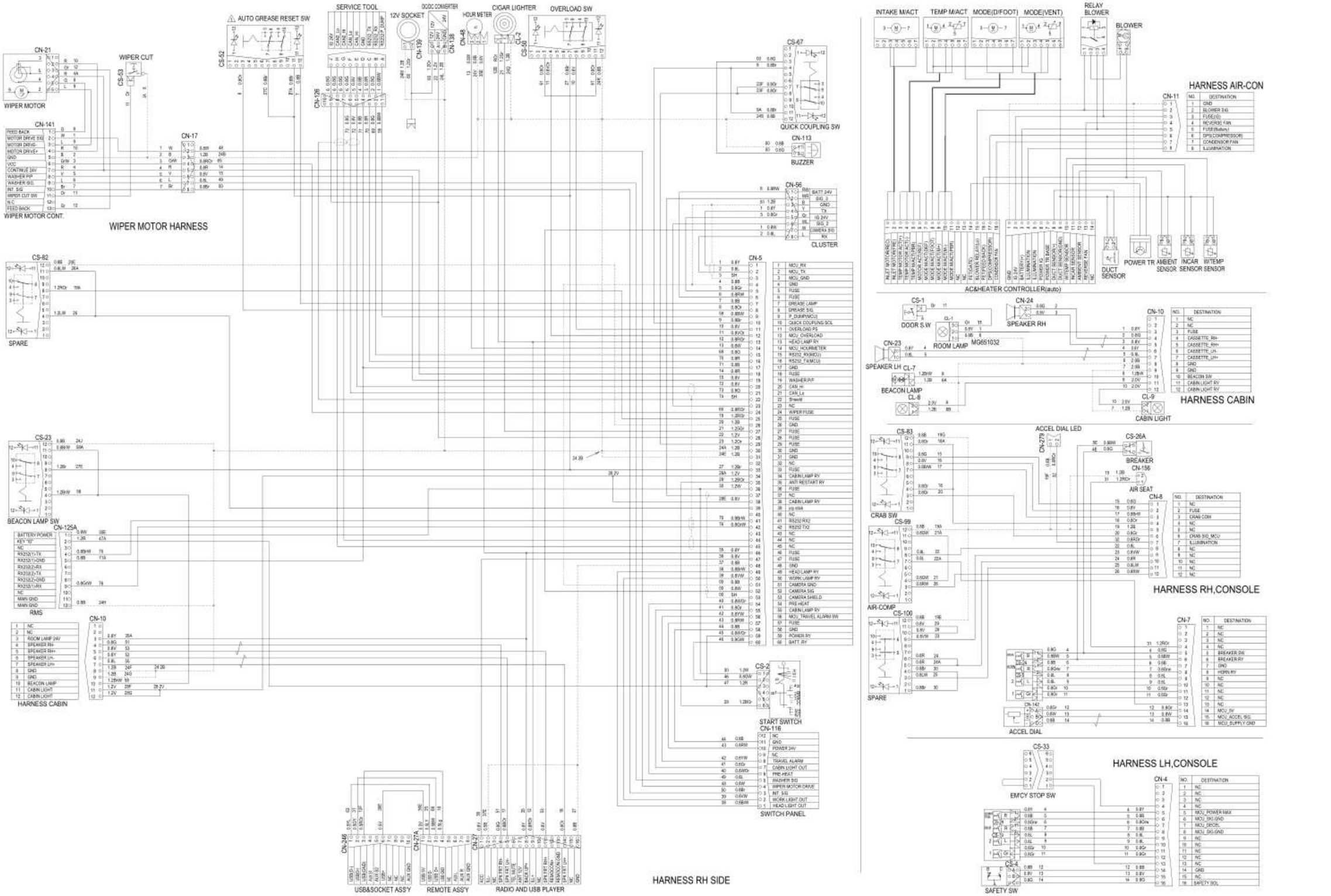
● Applicable for materials with density of 2100 kg/m³ (3500 lb/yd³) or less

◐ Applicable for materials with density of 1800 kg/m³ (3000 lb/yd³) or less

■ Applicable for materials with density of 1500 kg/m³ (2500 lb/yd³) or less

▲ Applicable for materials with density of 1200 kg/m³ (2000 lb/yd³) or less

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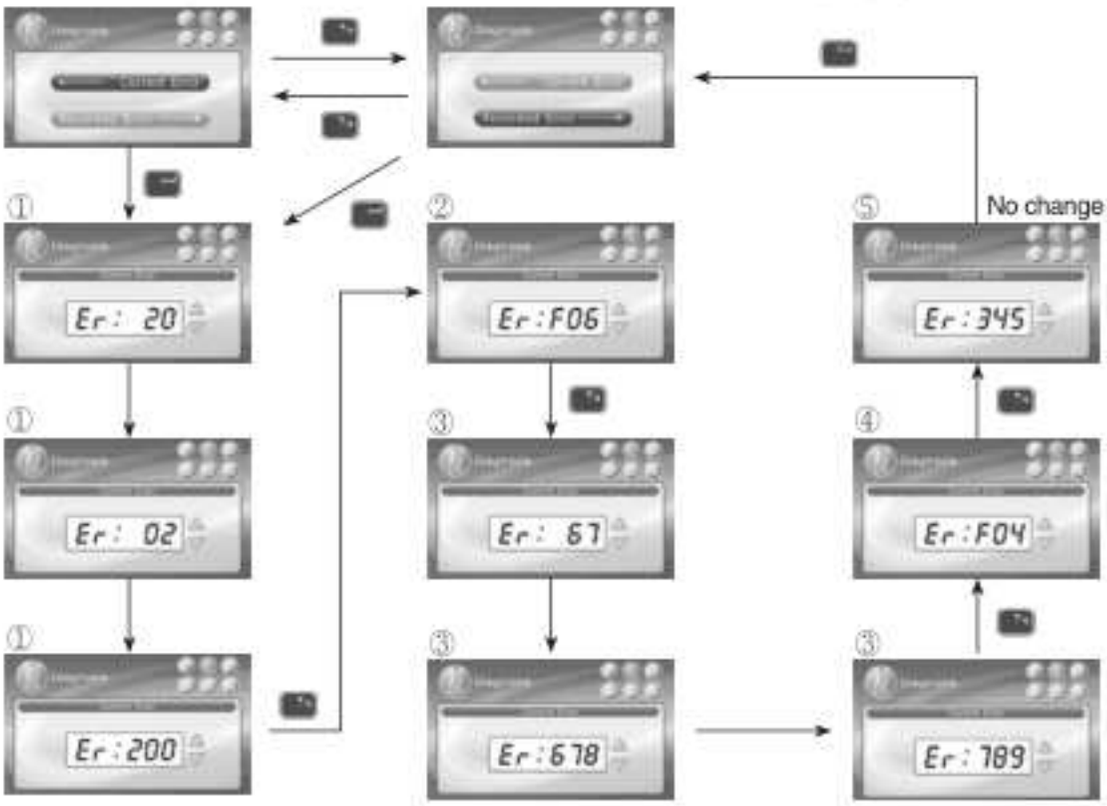
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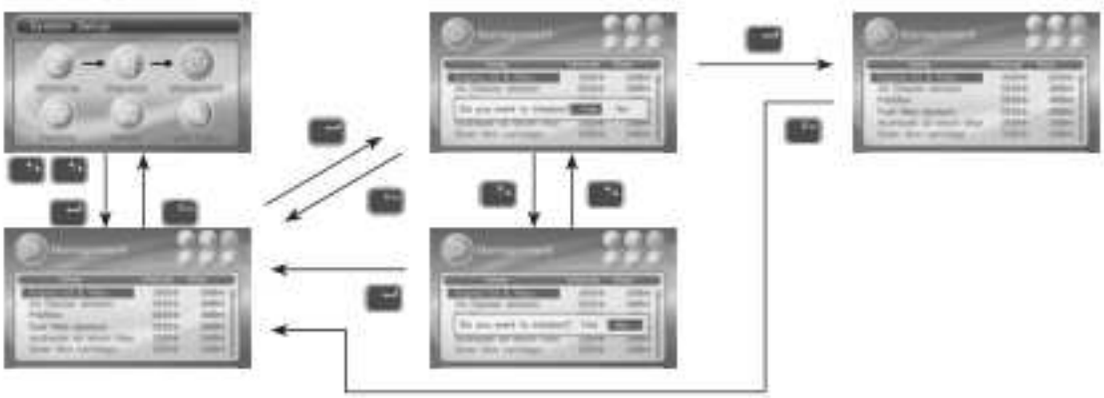
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b. Protocol type 2

- If there are more than 2 error codes, each one can be displayed by pressing or switch respectively.
- 3 error codes (①SPN200200, ②FMI06, ③SPN6789, ④FMI04, ⑤345) display.



③ Maintenance



④ Setting

a. Time set



b. System lock - Reserved

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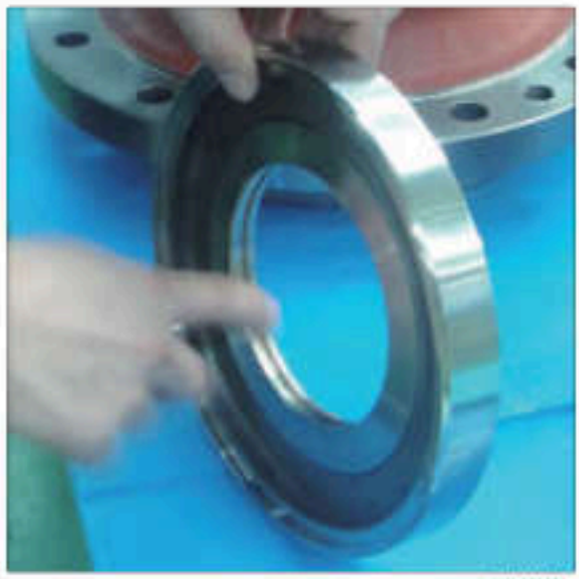
(4) Assembling pinion gear sub assy

① Prepare drive shaft pinion gear vertical with ground.



② Fully apply grease (albania ep02) to sleeve's O-ring gutter.
(Be sure to maintain it vertical with ground when assembling it.)

③ Put O-ring into sleeve's O-ring gutter.
(Fully apply grease on O-ring.)



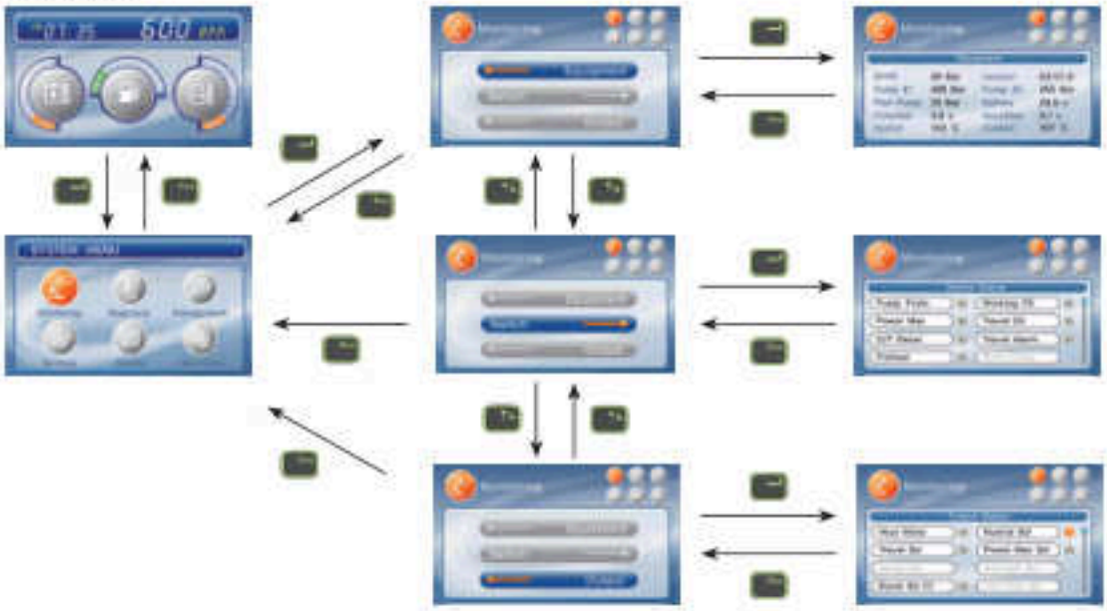
④ Assemble bearing taper and sleeve into drive shaft using press jig.
(Use special jig for pressing. Leave no space between sleeve and bearing taper.)



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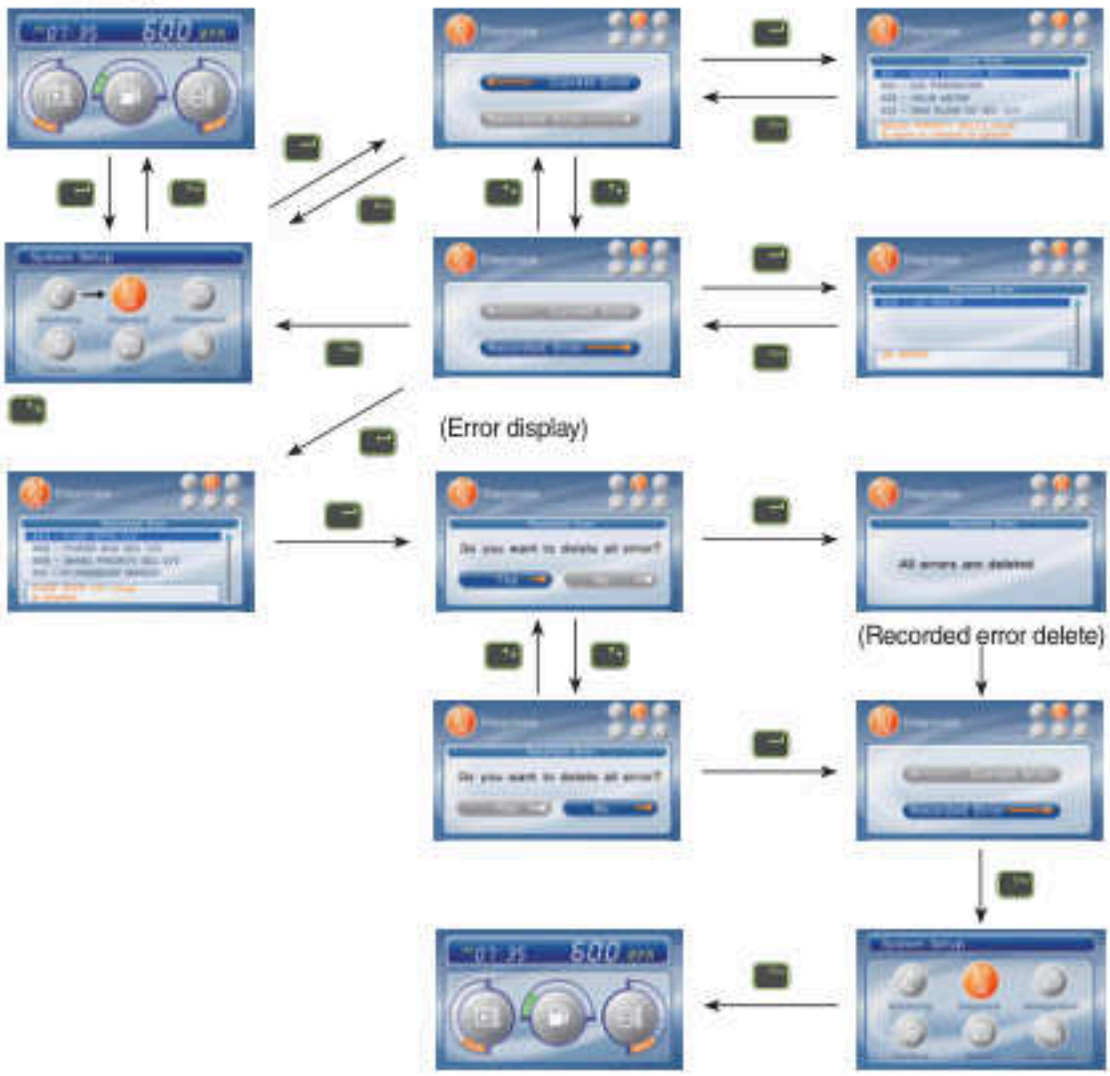
(2) Display map

① Monitoring



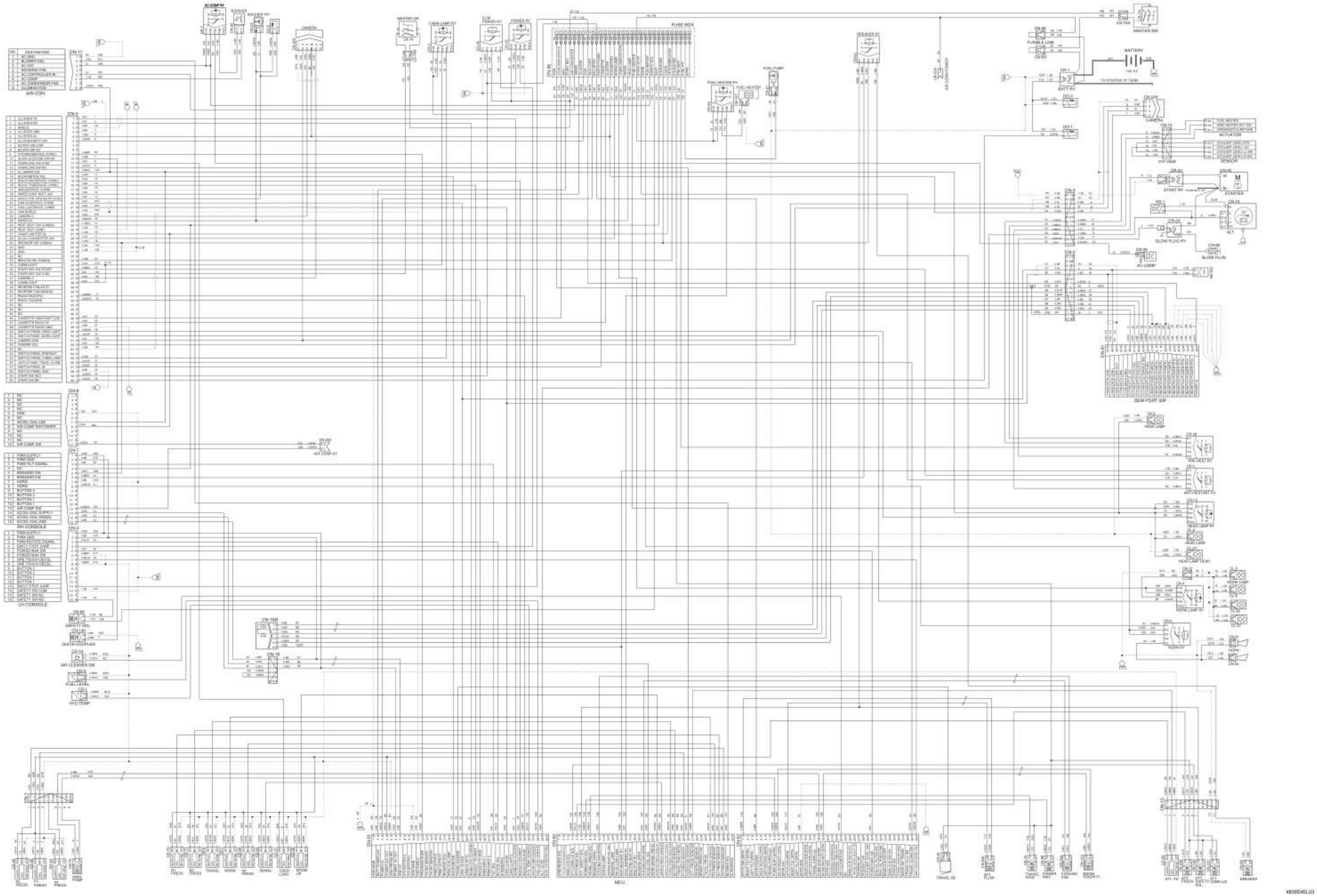
② Diagnosis

a. Protocol type 1



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· ELECTRICAL CIRCUIT (1/2, CLUSTER TYPE 1) OLD VERSION



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