CRAWLER EXCAVATOR

SERVICE MANUAL

R215VS PRO (China)

HYUNDAI

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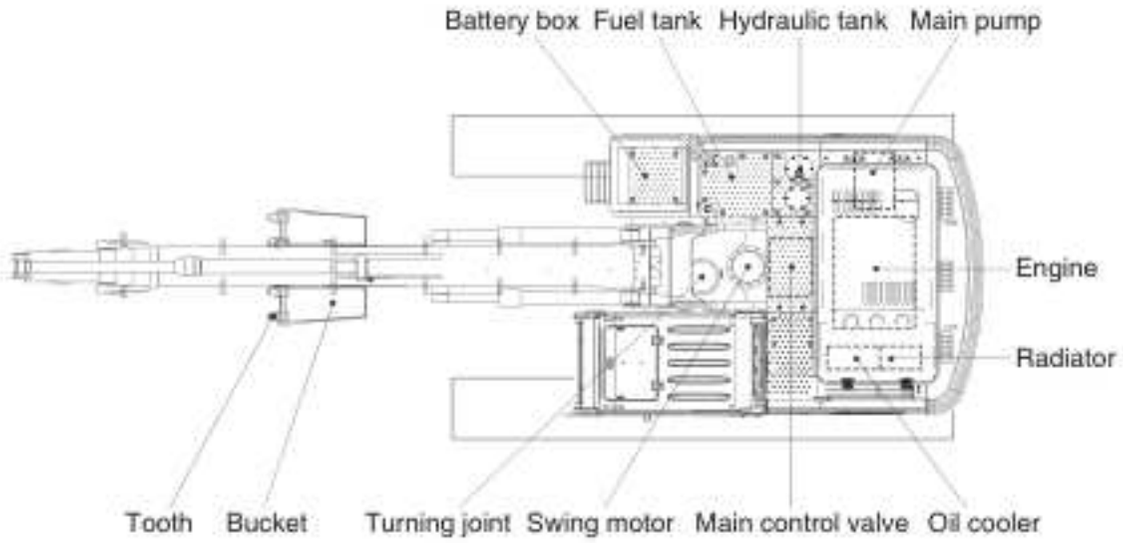
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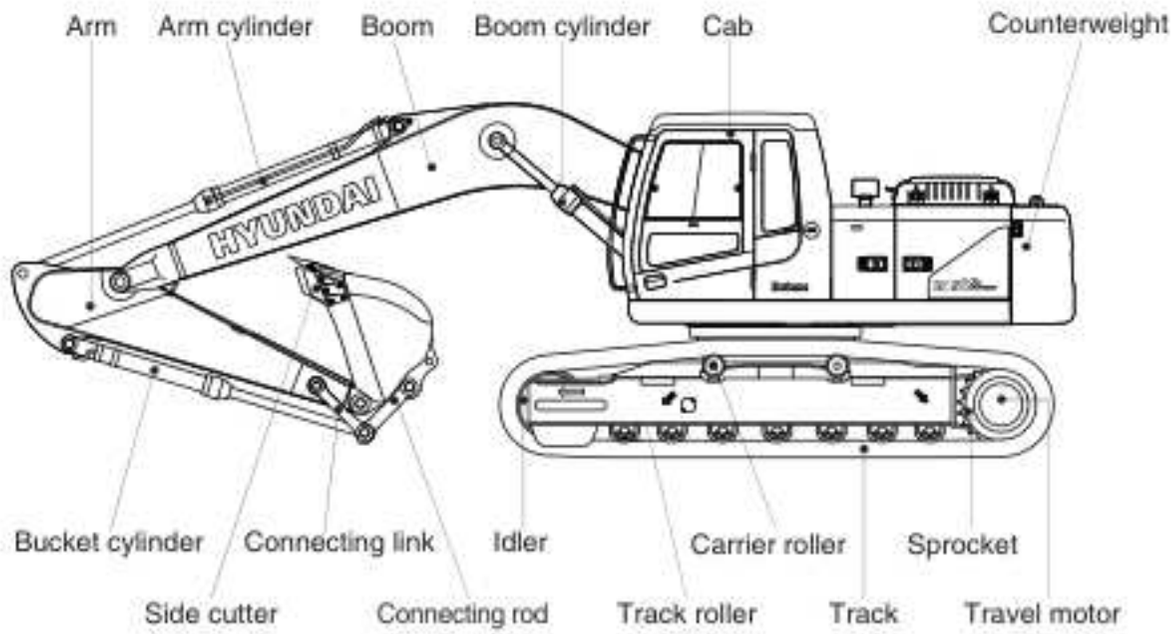
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GROUP 2 SPECIFICATIONS

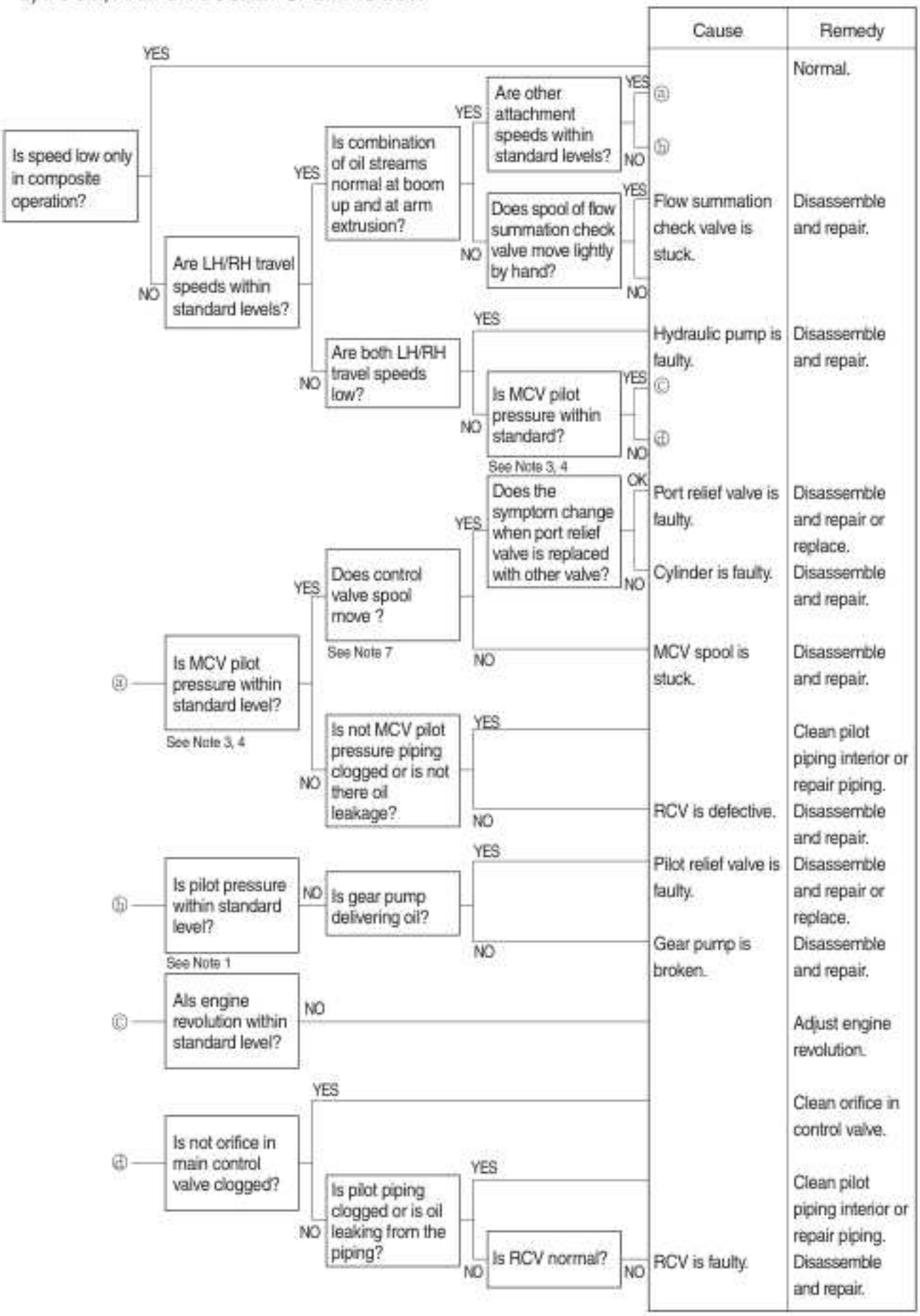
1. MAJOR COMPONENT





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2) BOOM, ARM OR BUCKET SPEED IS LOW

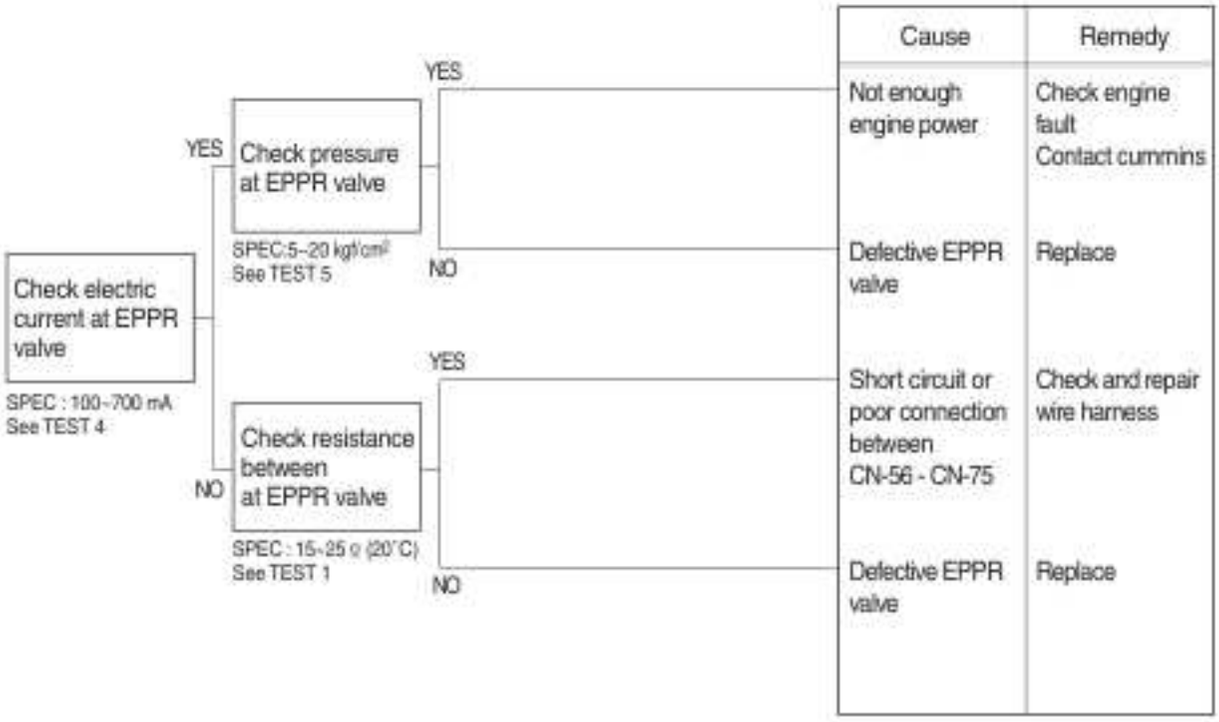


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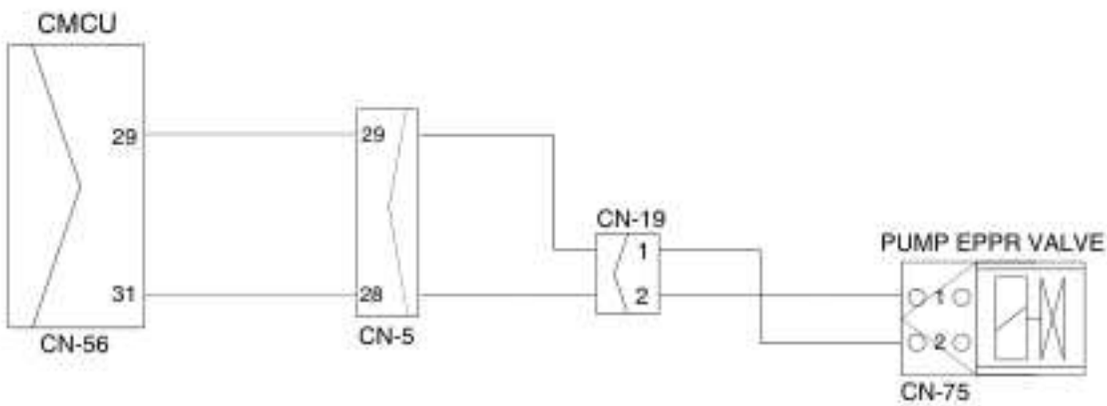
2. ENGINE STALL

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

1) INSPECTION PROCEDURE



Wiring diagram



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(3). Management

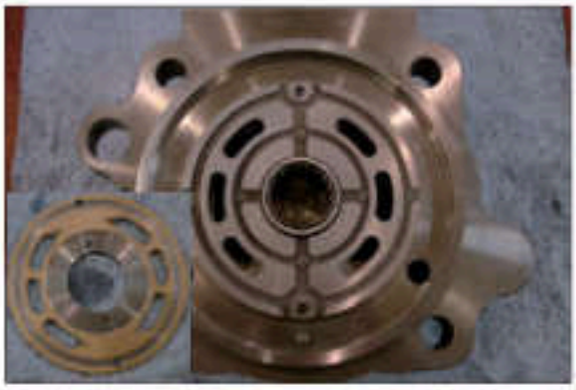


- The exchange cycle and remaining time of consumables can be confirmed.
- Remaining time initialization: The remaining time can be initialized.
- Change the switching period: You can set the switching period.

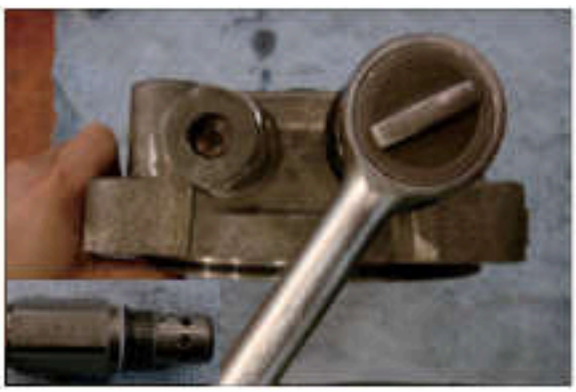
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(3) Disassemble rear cover assy sub

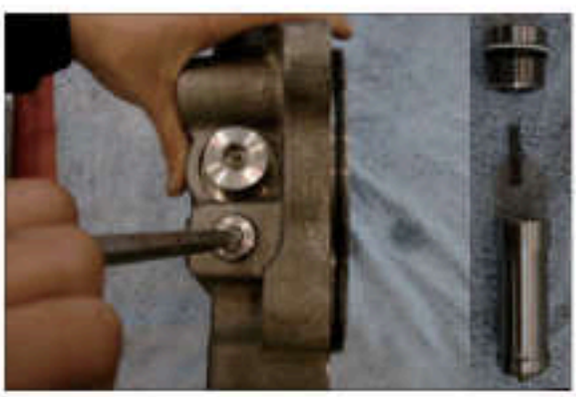
① Disassemble pin (8, 23), valve plate (24) from rear cover (21).



② Using a torque wrench, disassemble relief valve assy (33) 2 set from rear cover (21).



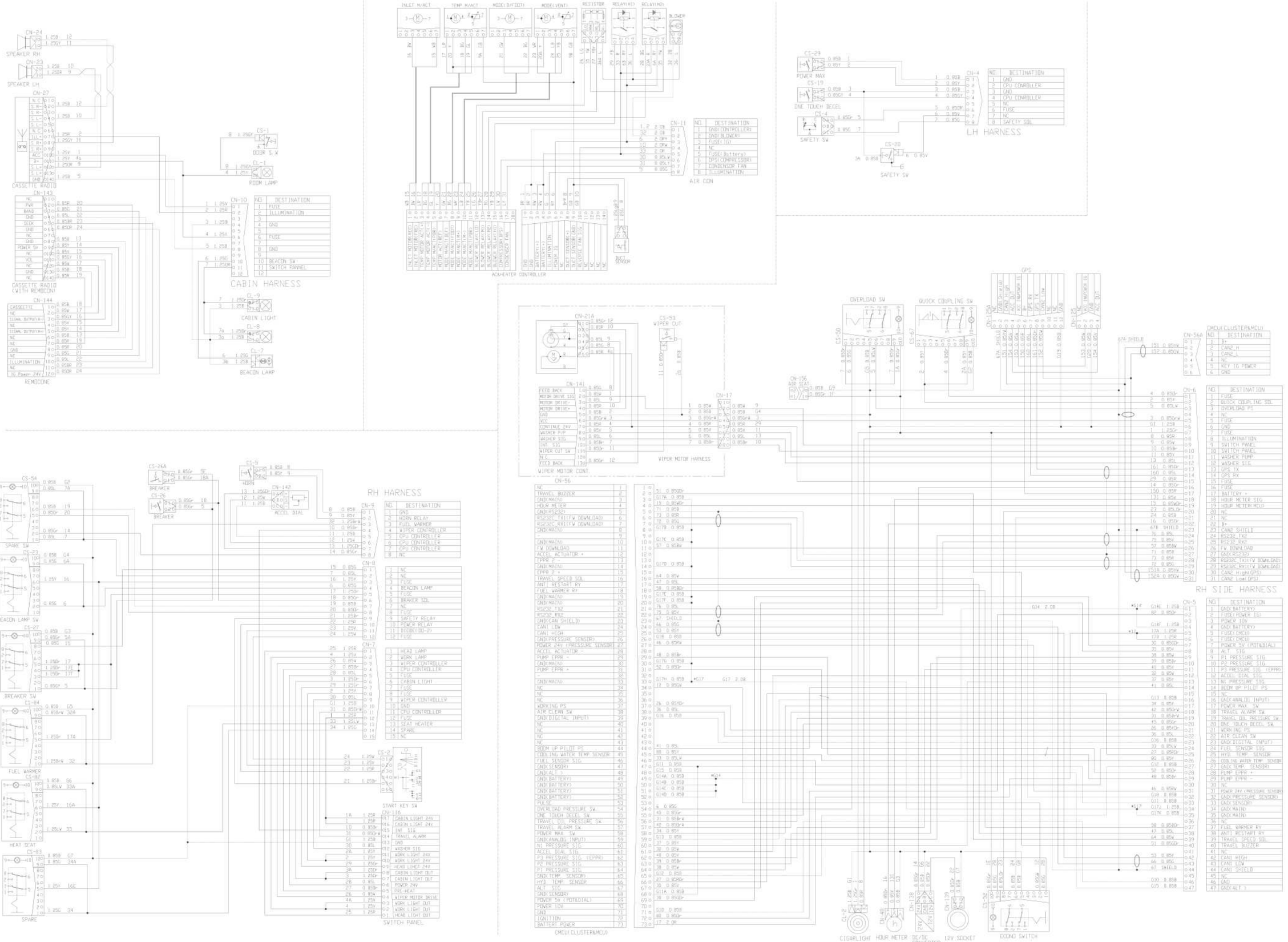
③ After disassembling plug with a L-wrench from rear cover (21), disassemble respectively back up ring, O-ring, O-ring, spring, anti-inversion valve assy (34)



④ Disassemble make up check valve assy with a torque wrench from rear cover (21).



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NO.	DESTINATION
1	FUSE
2	ILLUMINATION
3	
4	GND
5	
6	FUSE
7	
8	GND
9	
10	BEACON SW
11	SWITCH PANNEL
12	

NO.	DESTINATION
1	CAB CONTROLLER
2	GND BLOWER
3	FUSE(10)
4	NC
5	FUSE(Battery)
6	IPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	GND
2	CPU CONROLLER
3	GND
4	CPU CONROLLER
5	NC
6	FUSE
7	NC
8	SAFETY SOL

NO.	DESTINATION
1	HORN RELAY
2	FUEL WARMER
3	WIPER CONTROLLER
4	CPU CONTROLLER
5	CPU CONTROLLER
6	CPU CONTROLLER
7	CPU CONTROLLER
8	NC

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	BEACON LAMP
5	FUSE
6	BRAKER SOL
7	NC
8	FUSE
9	SAFETY RELAY
10	POWER RELAY
11	BTB(BET)(D-27)
12	FUSE

NO.	DESTINATION
1	HEAD LAMP
2	WORK LAMP
3	WIPER CONTROLLER
4	FAN CONTROLLER
5	FUSE
6	CABIN LIGHT
7	FUSE
8	FUSE
9	WIPER CONTROLLER
10	GND
11	CPU CONTROLLER
12	FUSE
13	SEAT HEATER
14	SPARE
15	NC

NO.	DESTINATION
1	FUSE
2	QUICK COUPLING SOL
3	OVERLOAD PT
4	NC
5	FUSE
6	GND
7	FUSE
8	ILLUMINATION
9	SWITCH PANEL
10	SWITCH PANEL
11	WASHER PUMP
12	WASHER SIG.
13	GPS TX
14	GPS RX
15	FUSE
16	FUSE
17	BATTERY +
18	HOUR METER SIG
19	HOUR METER(MCU)
20	NC
21	NC
22	B+
23	CAN2 SHIELD
24	RS232_TX2
25	RS232_RX2
26	FW DOWNLOAD
27	GND(RS232)
28	RS232C_TX(FW DOWNLOAD)
29	RS232C_RX(FW DOWNLOAD)
30	CAN2 High(OPS)
31	CAN2 Low(OPS)

NO.	DESTINATION
1	GND(BATTERY)
2	FUSE(POWER IG)
3	POWER 10V
4	GND(BATTERY)
5	FUSE(CMCU)
6	FUSE(CMCU)
7	POWER 5V (MTT&DIAL)
8	ALT. SIG
9	P1 PRESSURE SIG
10	P2 PRESSURE SIG
11	P3 PRESSURE SIG. (EPPR)
12	ACCEL DIAL SIG
13	P1 PRESSURE SIG
14	BOOM UP PILOT PS
15	NC
16	GND(ANALOG INPUT)
17	POWER MAX. SW
18	TRAVEL ALARM SW
19	TRAVEL OIL PRESSURE SW
20	ONE TOUCH DECEL SW
21	WORKING PS
22	AIR CLEAN SW
23	GND(DIGITAL INPUT)
24	FUEL SENSOR SIG
25	HYD. TEMP. SENSOR
26	COOLING WATER TEMP. SENSOR
27	GND(TEMP. SENSOR)
28	PUMP EPPR +
29	PUMP EPPR -
30	NC
31	POWER 24V (PRESSURE SENSOR)
32	GND(PRESSURE SENSOR)
33	GND(SENSOR)
34	GND(MAIN)
35	GND(MAIN)
36	NC
37	FUEL WARMER RY
38	ANTI RESTART RY
39	TRAVEL SPEED SOL
40	TRAVEL BUZZER
41	NC
42	CAN1 HIGH
43	CAN1 LOW
44	CAN1 SHIELD
45	NC
46	GND
47	GND(BATT-)

NO.	DESTINATION
1	B+
2	CAN2_H
3	CAN2_L
4	NC
5	KEY IG POWER
6	GND

NO.	DESTINATION
1	GND(MAIN)
2	GND(MAIN)
3	GND(MAIN)
4	HOUR METER
5	GND(RS232)
6	RS232C TX(FW DOWNLOAD)
7	RS232C RX(FW DOWNLOAD)
8	GND(MAIN)
9	
10	GND(MAIN)
11	FW DOWNLOAD
12	ACCEL ACTUATOR +
13	EPPR 2 -
14	GND(MAIN)
15	EPPR 2 +
16	TRAVEL SPEED SOL
17	ANTI RESTART RY
18	FUEL WARMER RY
19	GND(MAIN)
20	GND(MAIN)
21	RS232 TX0
22	RS232 RX0
23	GND(CAN SHIELD)
24	CAN1 LOW
25	CAN1 HIGH
26	GND(PRESSURE SENSOR)
27	POWER 24V (PRESSURE SENSOR)
28	ACCEL ACTUATOR -
29	PUMP EPPR -
30	GND(MAIN)
31	PUMP EPPR +
32	
33	GND(MAIN)
34	NC
35	NC
36	NC
37	WORKING PS
38	AIR CLEAN SW
39	GND(DIGITAL INPUT)
40	NC
41	NC
42	NC
43	NC
44	BOOM UP PILOT PS
45	COOLING WATER TEMP. SENSOR
46	FUEL SENSOR SIG.
47	GND(SENSOR)
48	GND(ALT-)
49	GND(BATTERY)
50	GND(BATTERY)
51	GND(BATTERY)
52	GND(BATTERY)
53	PULSE
54	OVERLOAD PRESSURE SW.
55	ONE TOUCH DECEL SW.
56	TRAVEL OIL PRESSURE SW.
57	TRAVEL ALARM SW.
58	POWER MAX. SW.
59	GND(ANALOG INPUT)
60	N1 PRESSURE SIG.
61	ACCEL DIAL SIG.
62	P3 PRESSURE SIG. (EPPR)
63	P2 PRESSURE SIG.
64	P1 PRESSURE SIG.
65	GND(TEMP. SENSOR)
66	HYD. TEMP. SENSOR
67	ALT. SIG.
68	GND(SENSOR)
69	POWER 5V (MTT&DIAL)
70	POWER 10V
71	GND
72	IGNITION
73	BATTERY POWER

CMCU(CLUSTER&MCU)

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