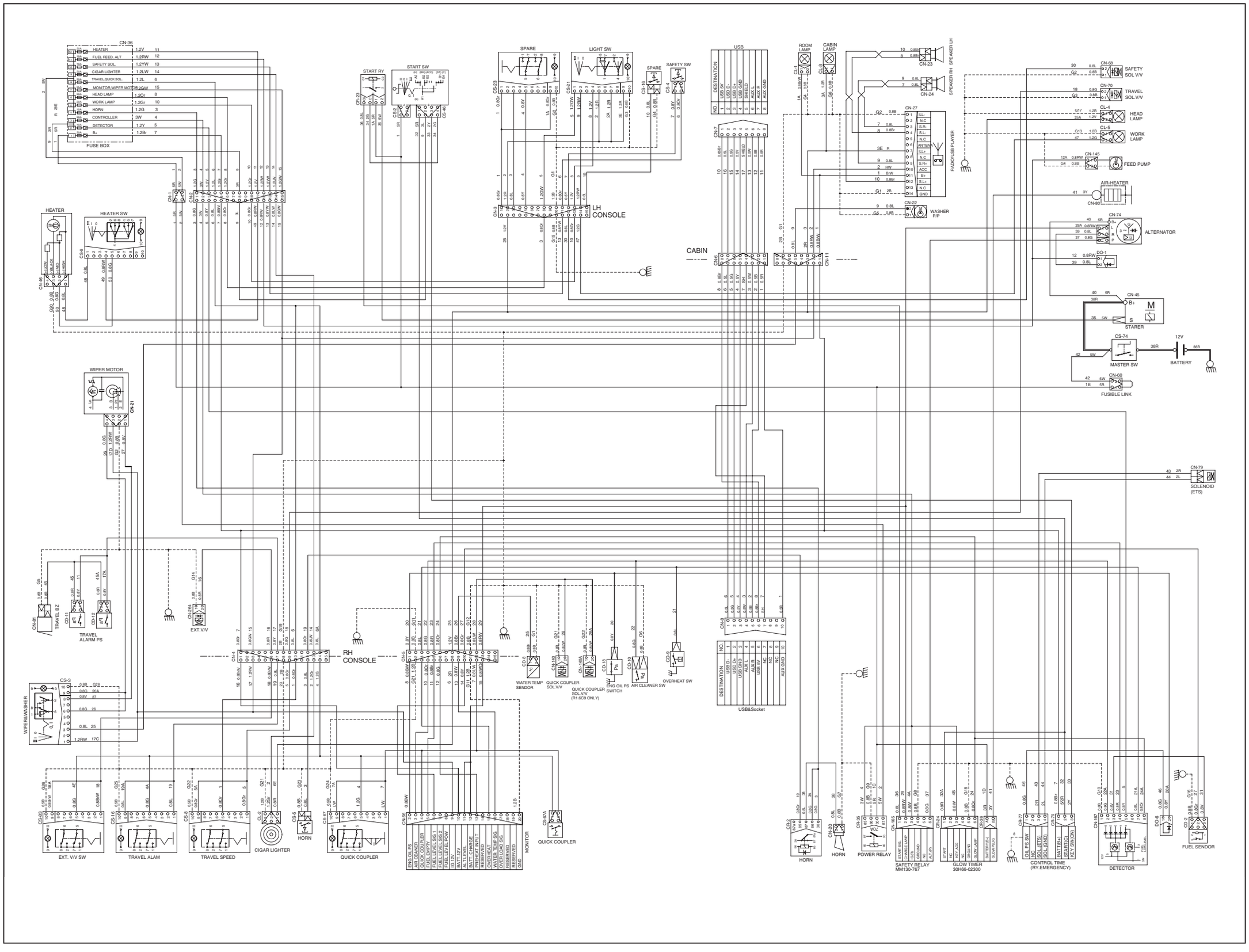
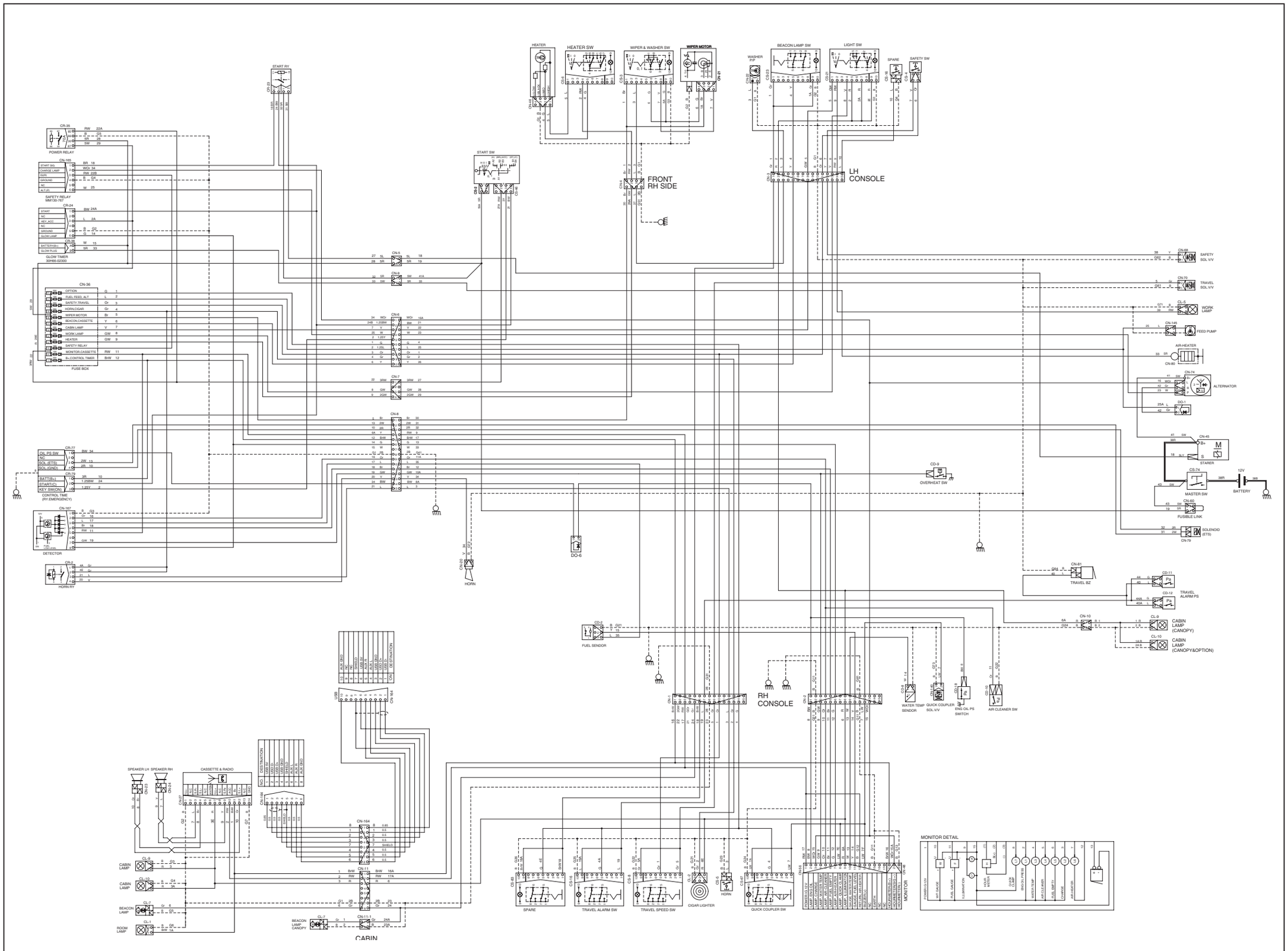
■ R16-9(#0001~)

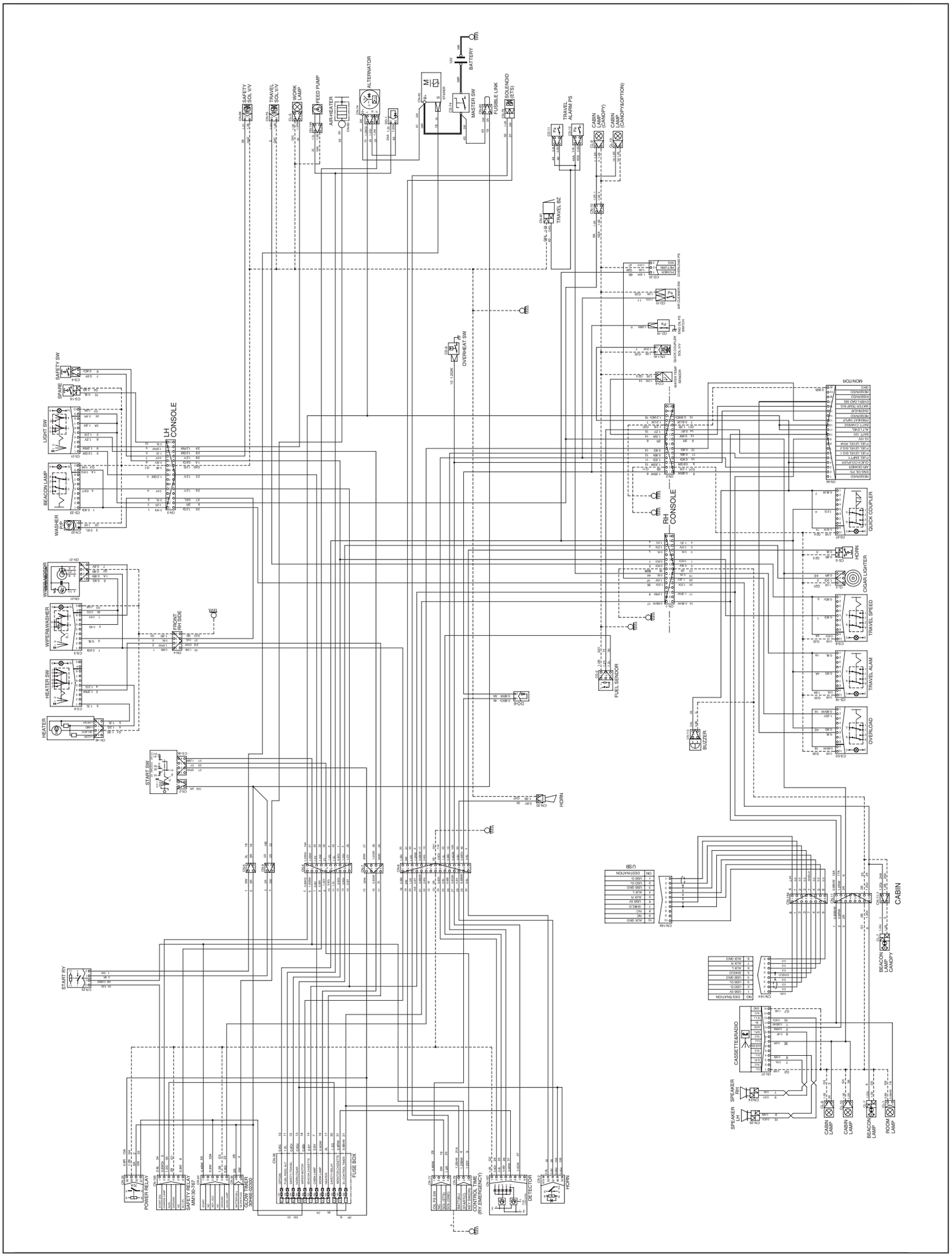


20MK-00014

R27Z-9(OLD)

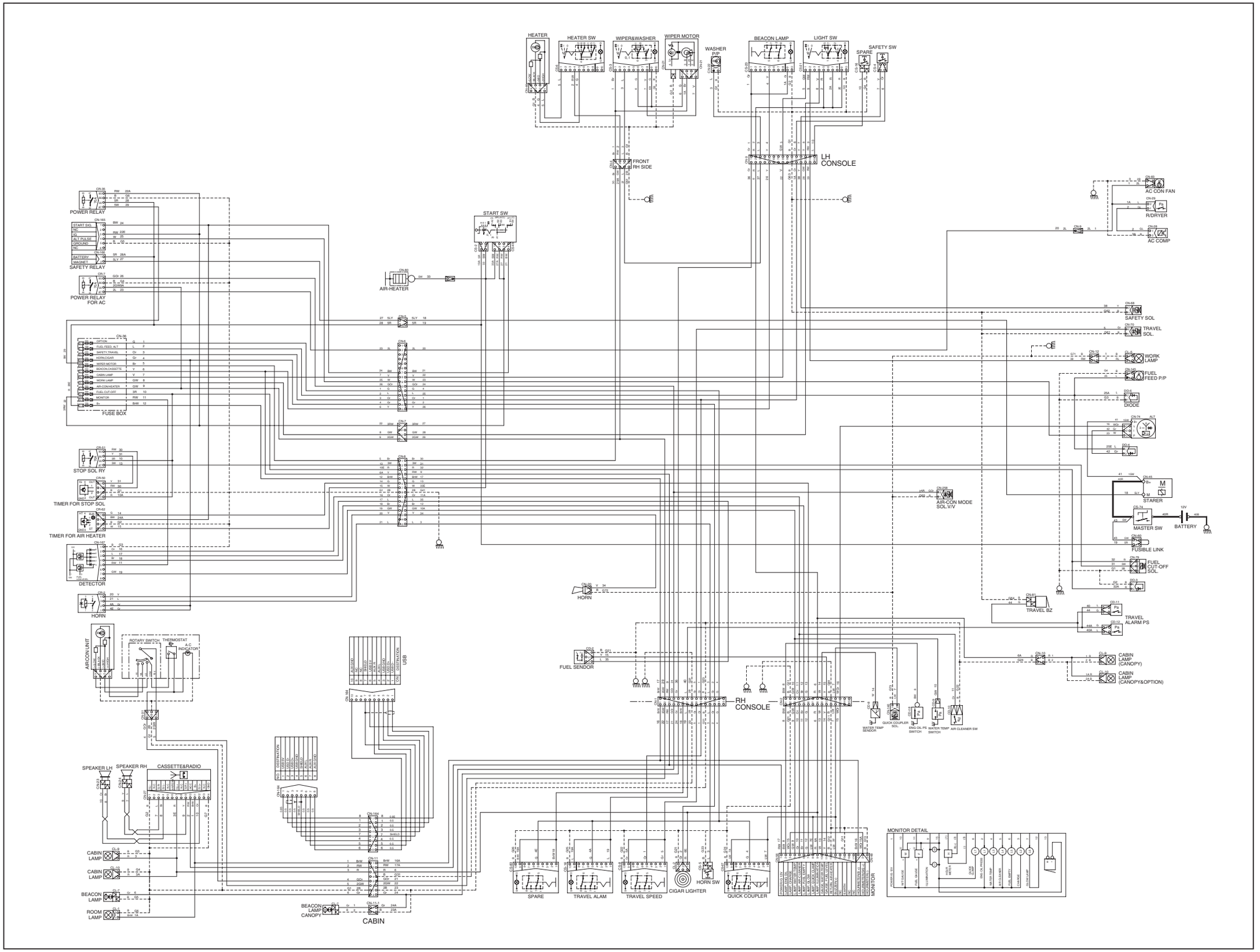


20MK-00013



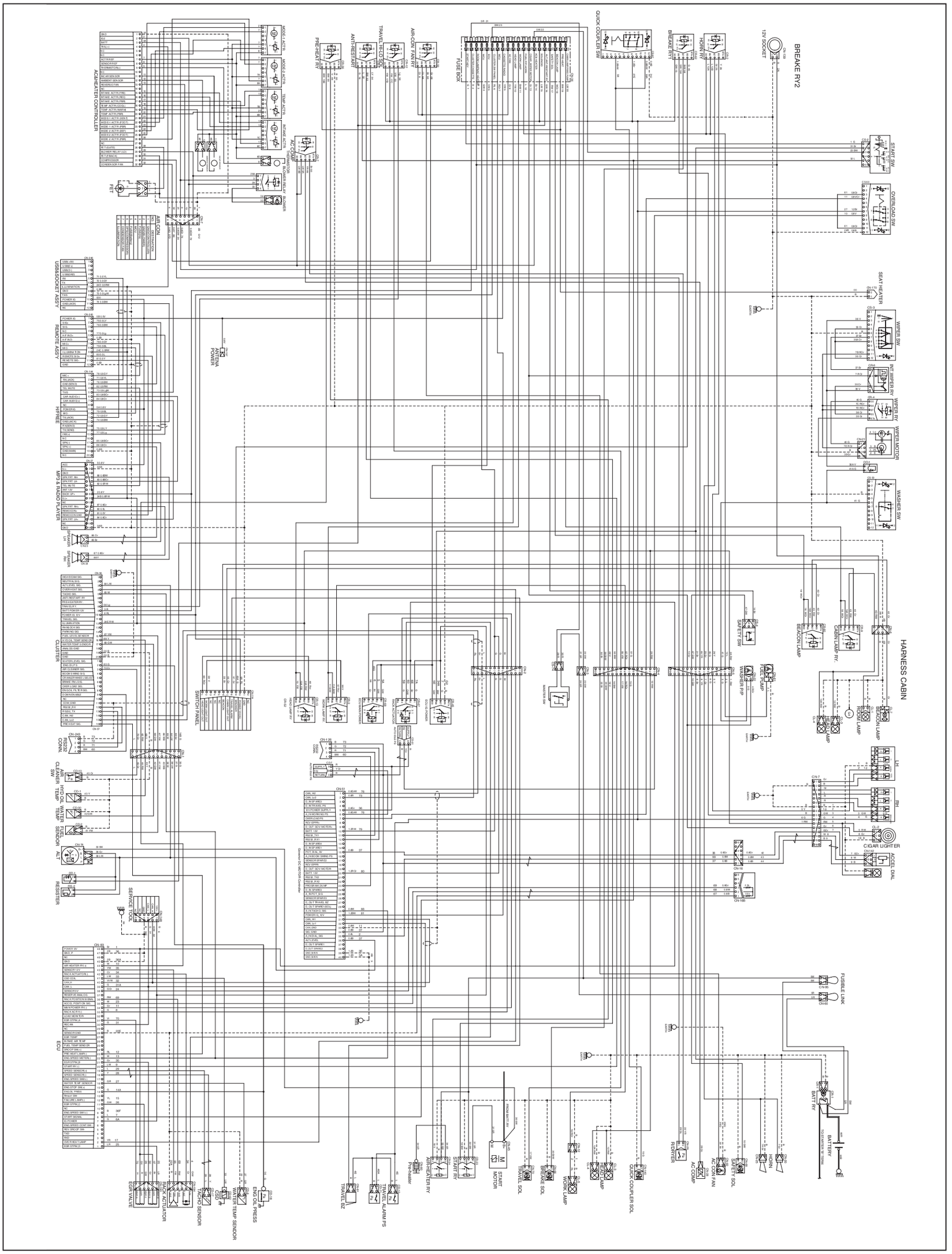
■ R27Z-9(CURRENT)
■ R25Z-9A(#0001~)

R35Z-9(#0001~)



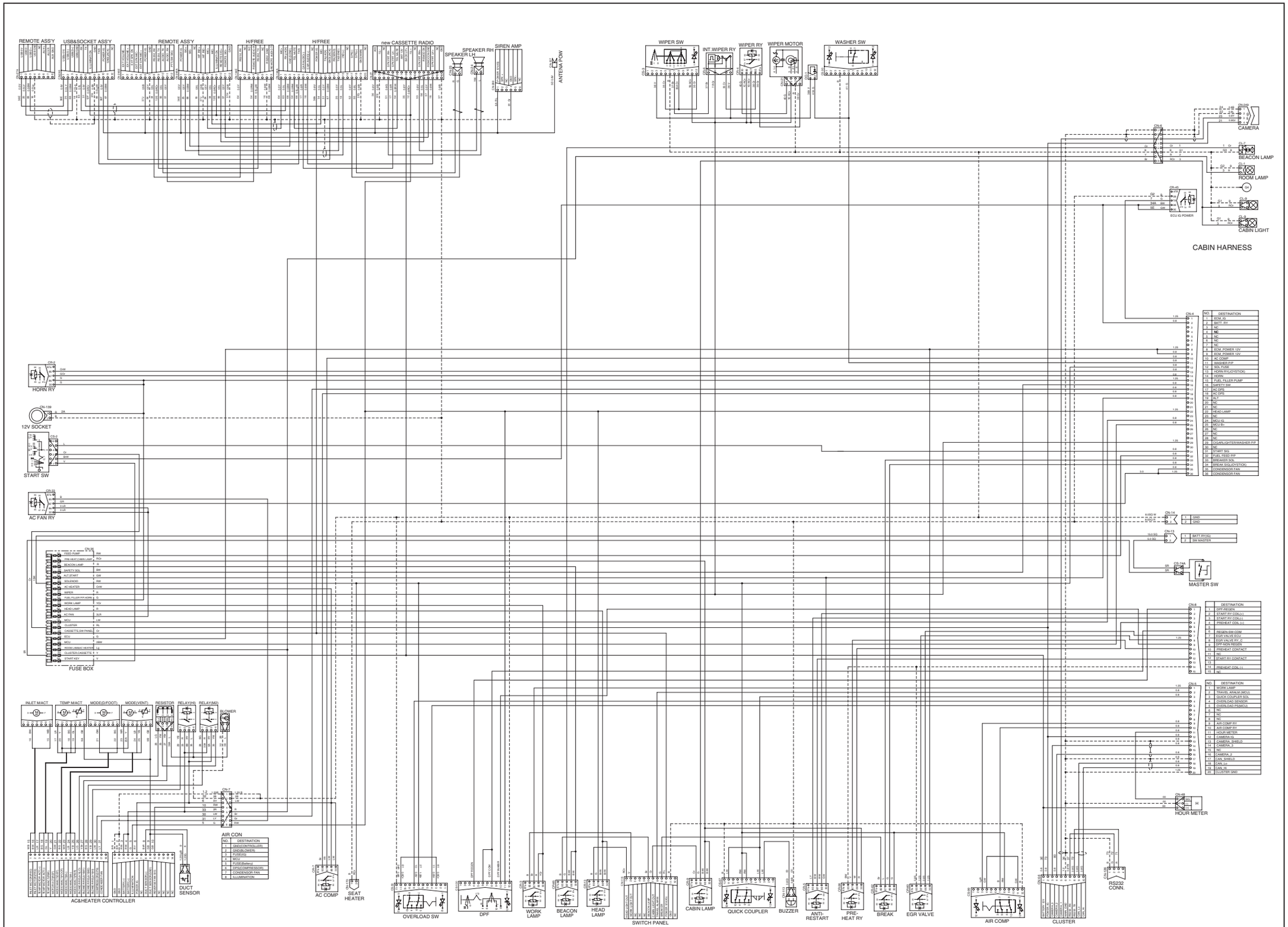
20MH-00951

■ R55-9(#0001~)



20M9-05108

R55-9A(#0001~)



NO.	DESTINATION
1	ECM_5V
2	BATT_RY
3	NC
4	NC
5	NC
6	NC
7	NC
8	ECM_POWER 12V
9	ECM_POWER 12V
10	AC COMP
11	WASHER P/P
12	SOL FUSE
13	HORN RY(JOYSTICK)
14	HORN
15	FUEL FILLER PUMP
16	SAFETY SW
17	AC DPS
18	AC DPS
19	ALT
20	NC
21	NC
22	HEAD LAMP
23	NC
24	MCU IG
25	MCU B+
26	NC
27	NC
28	NC
29	CIGAPLIGHTER/WASHER P/P
30	NC
31	START SIG.
32	FUEL FEED P/P
33	BREAKER SOL
34	BREAK SIG(JOYSTICK)
35	CONDENSOR FAN
36	CONDENSOR FAN

NO.	DESTINATION
1	DPF REGEN
2	START RY COIL(+)
3	START RY COIL(-)
4	PREHEAT COIL (+)
5	
6	REGEN.SW-COM
7	EGR VALVE ECU
8	EGR VALVE RY_C
9	DPF-NON REGEN
10	PREHEAT CONTACT
11	NO
12	START RY CONTACT
13	
14	PREHEAT COIL (-)
15	NC

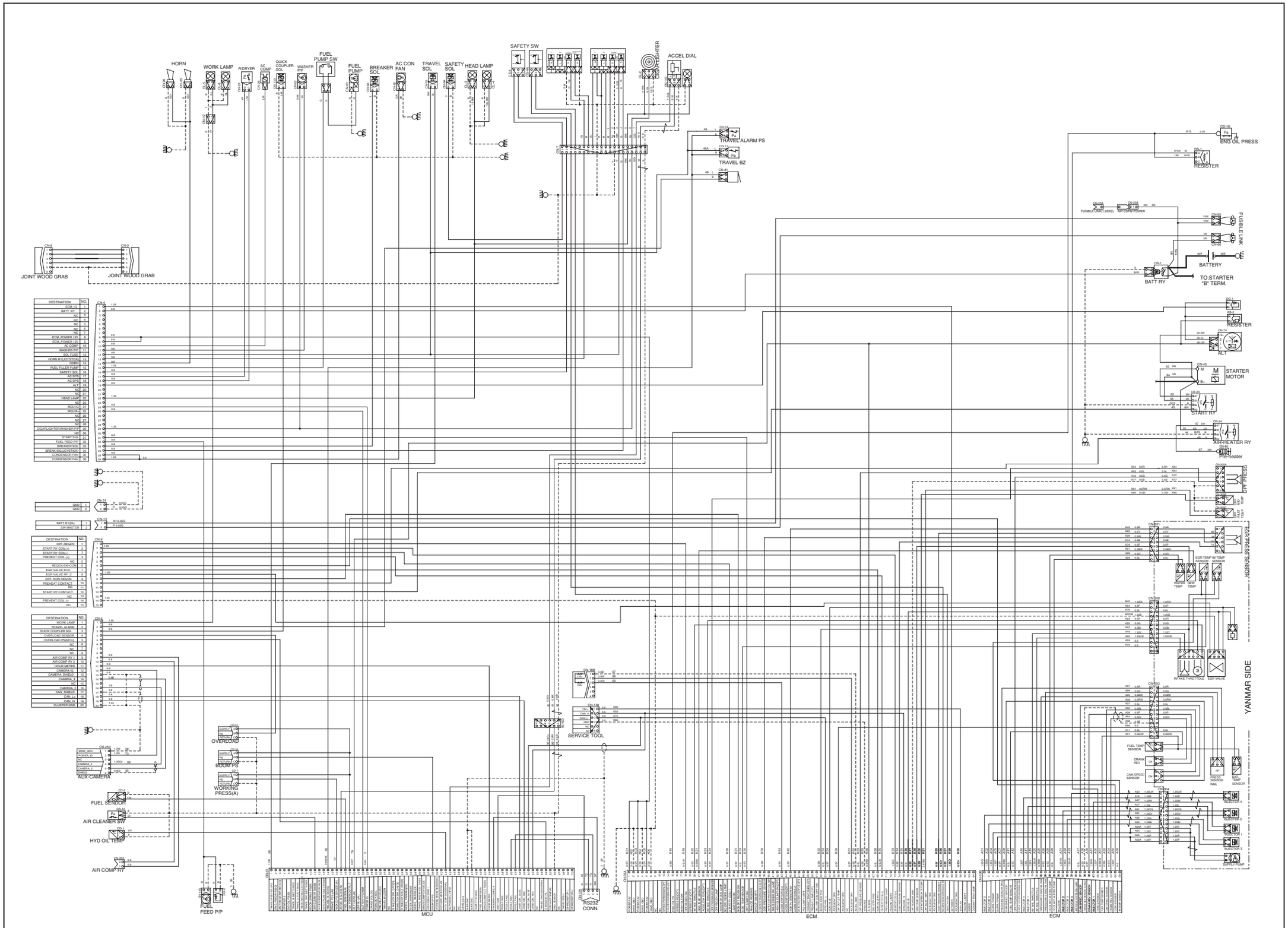
NO.	DESTINATION
1	WORK LAMP
2	TRAVEL ATARM (MCU)
3	QUICK COUPLER SOL
4	OVERLOAD SENSOR
5	OVERLOAD PSMC(A
6	NC
7	NC
8	NC
9	AIR COMP RY
10	AIR COMP RY
11	HOUR METER
12	CAMERA IG
13	CAMERA_SHIELD
14	CAMERA_3
15	NC
16	CAMERA_2
17	CAN_SHIELD
18	CAN_Lo
19	CAN_Hi
20	CLUSTER GND

NO.	DESTINATION
1	GND(CONTROLLER)
2	GND(BLOWER)
3	FUSE(IG)
4	MCU
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	GND
2	GND

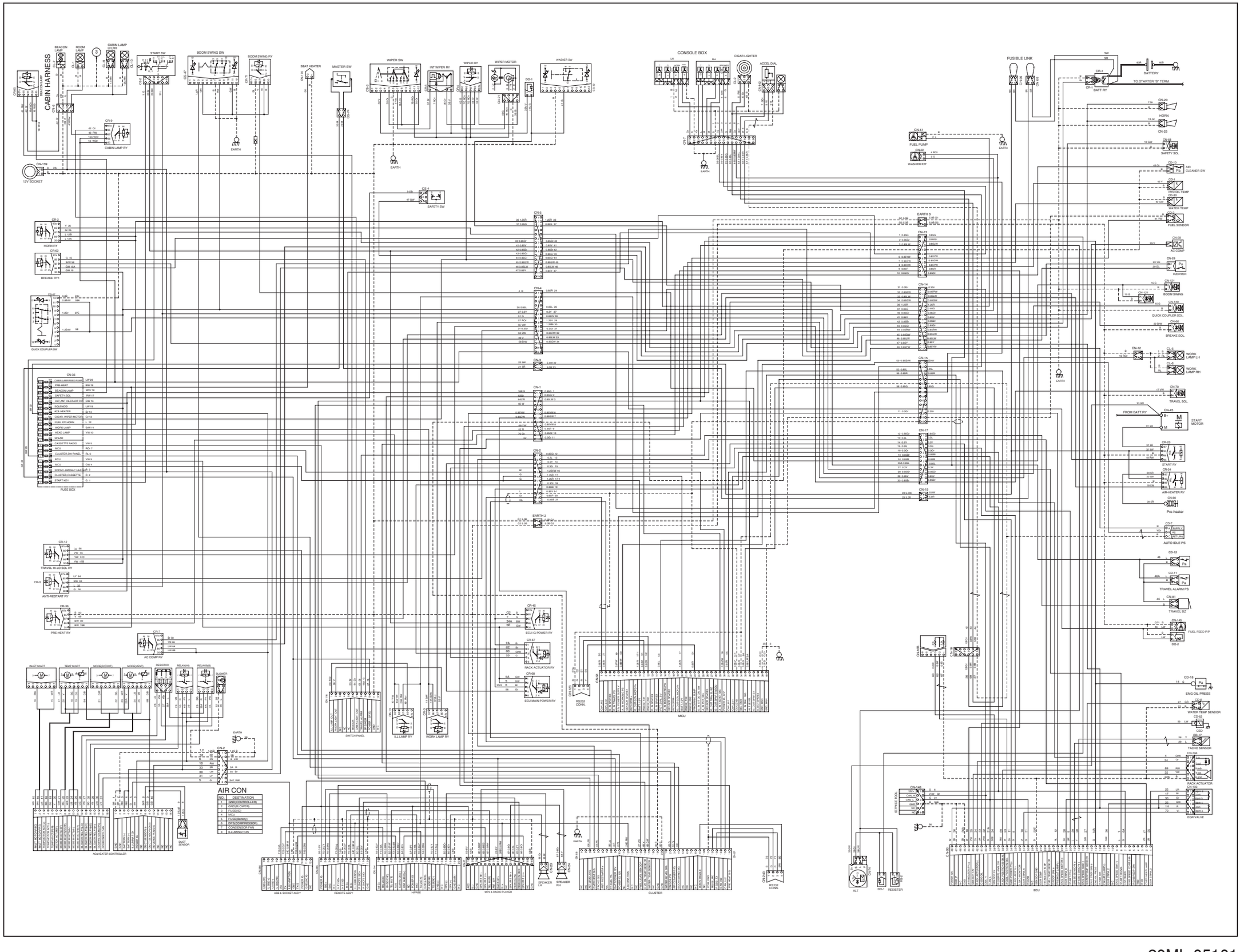
NO.	DESTINATION
1	BATT_RY(IG)
2	SW.MASTER

■ R55-9A(#0001~)

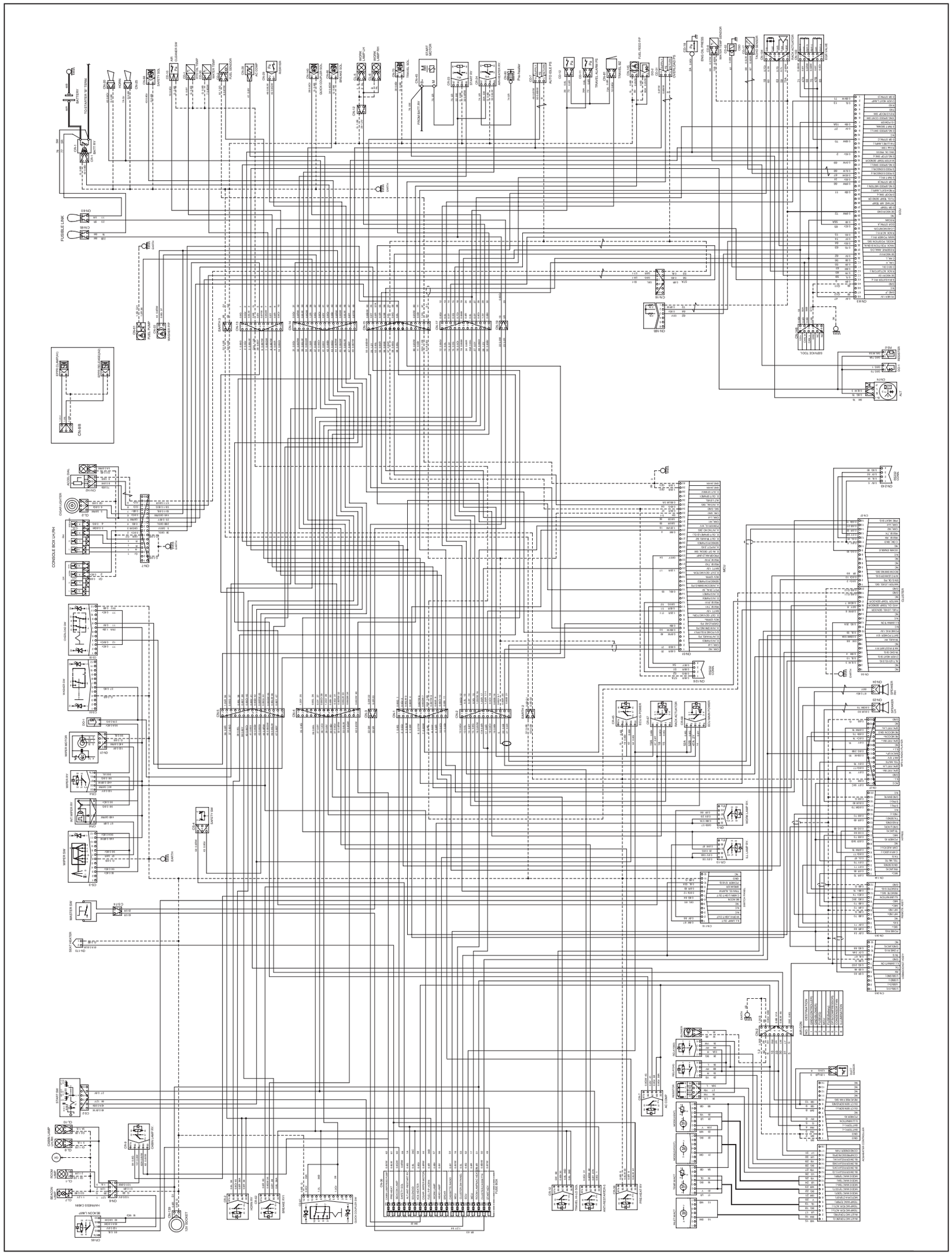


20M9-01001(2/2)

R60CR-9(OLD)

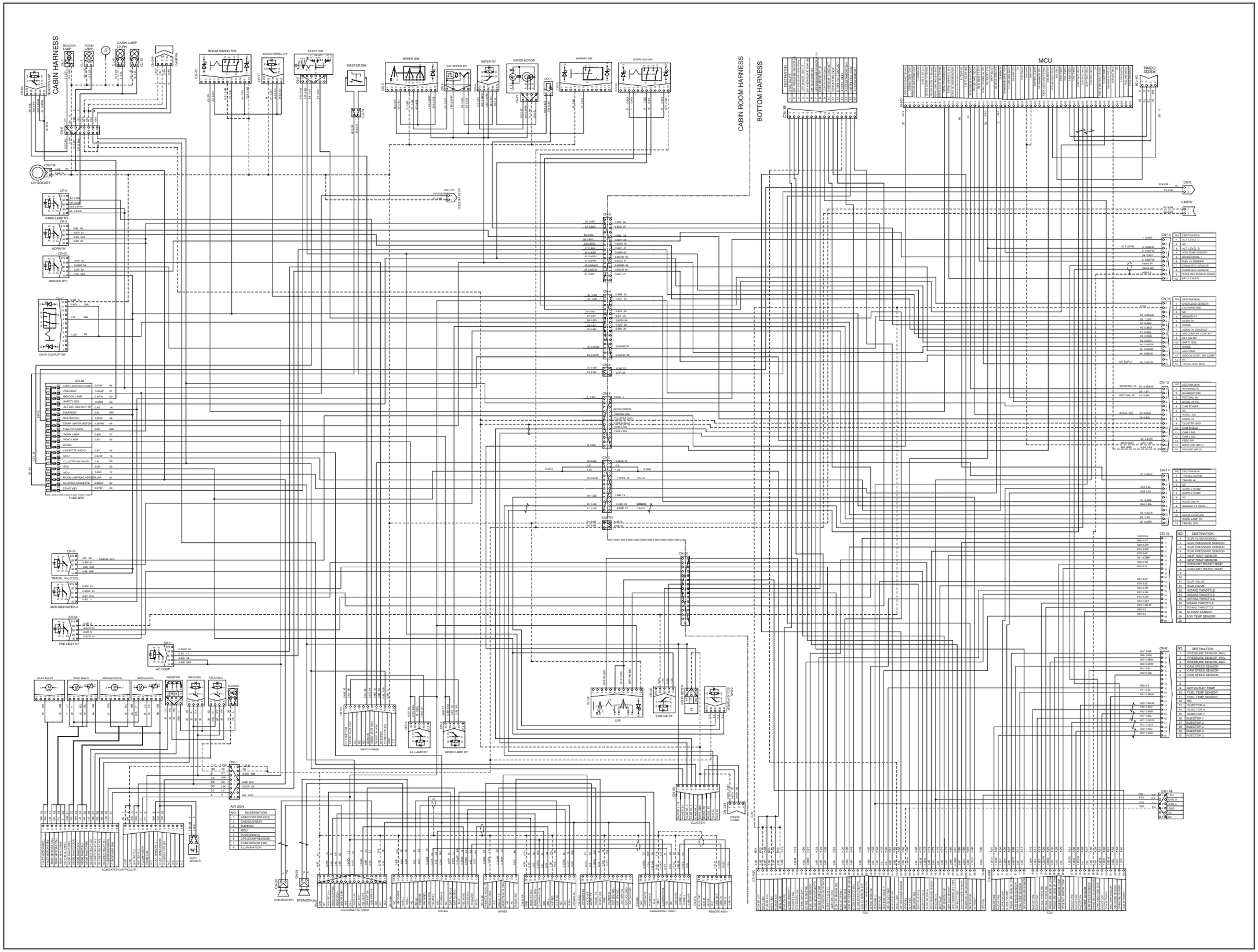


20ML-05101



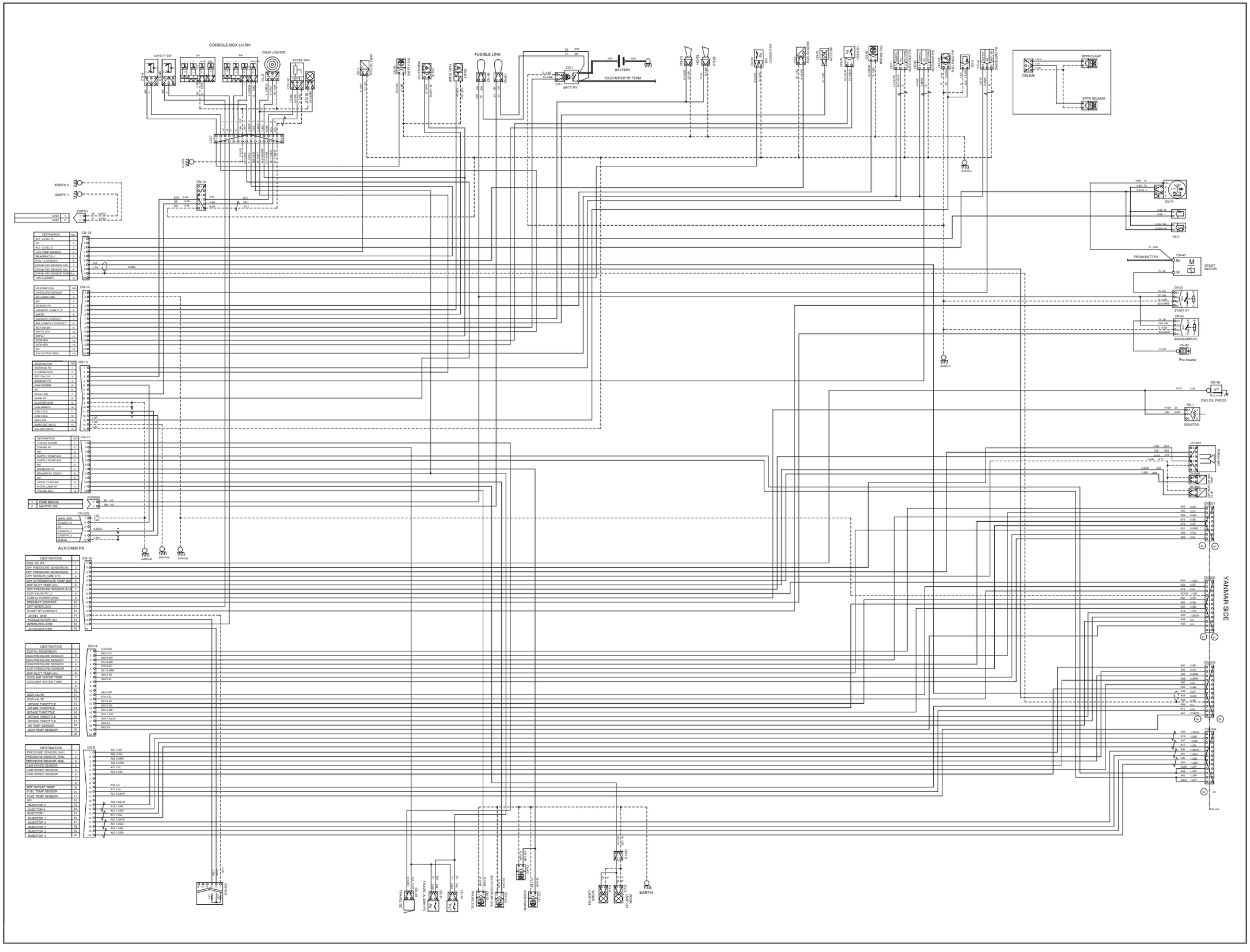
■ R60CR-9(CURRENT)

R60CR-9A(#0001~)



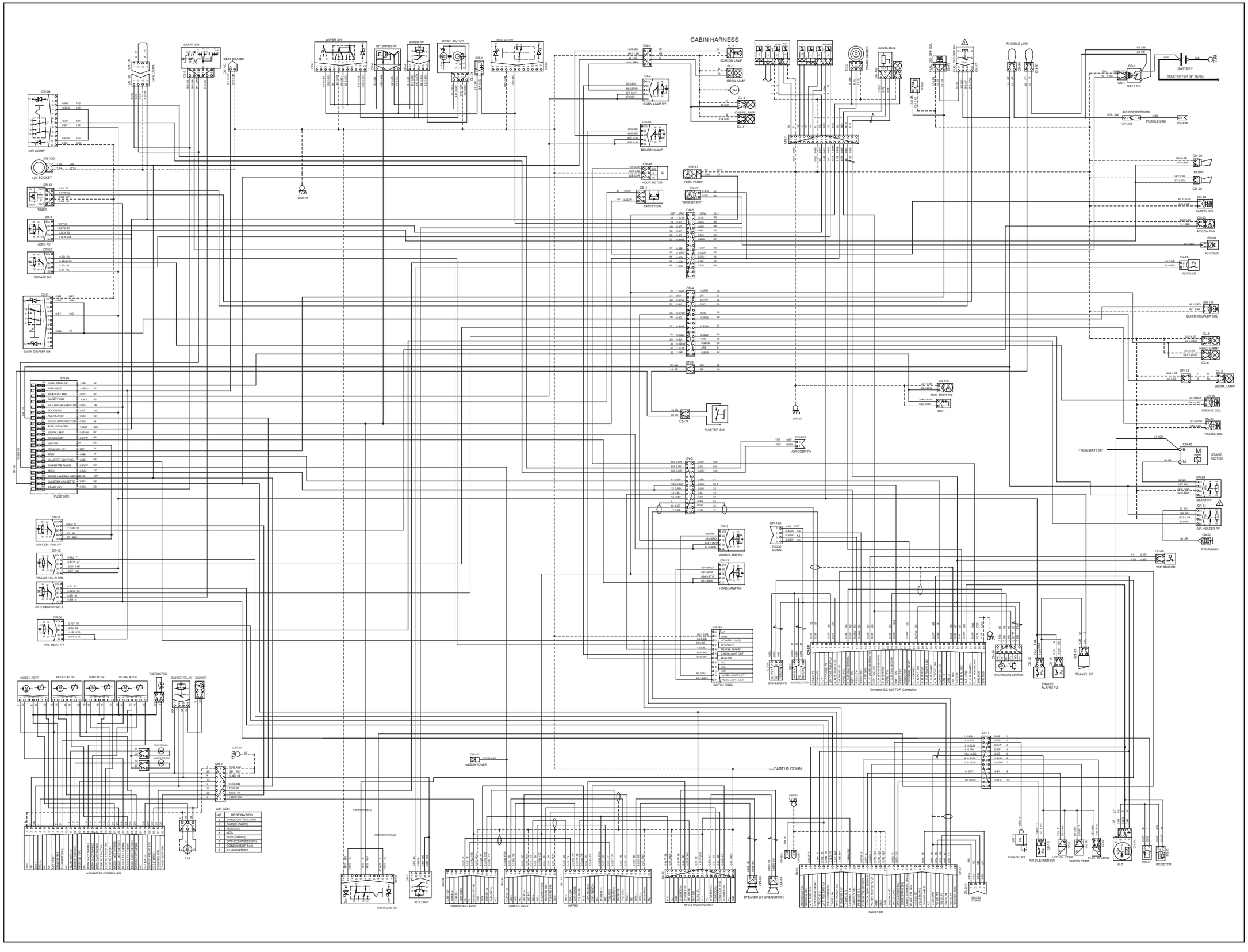
20ML-90300(1/2)

■ R60CR-9A(#0001~)

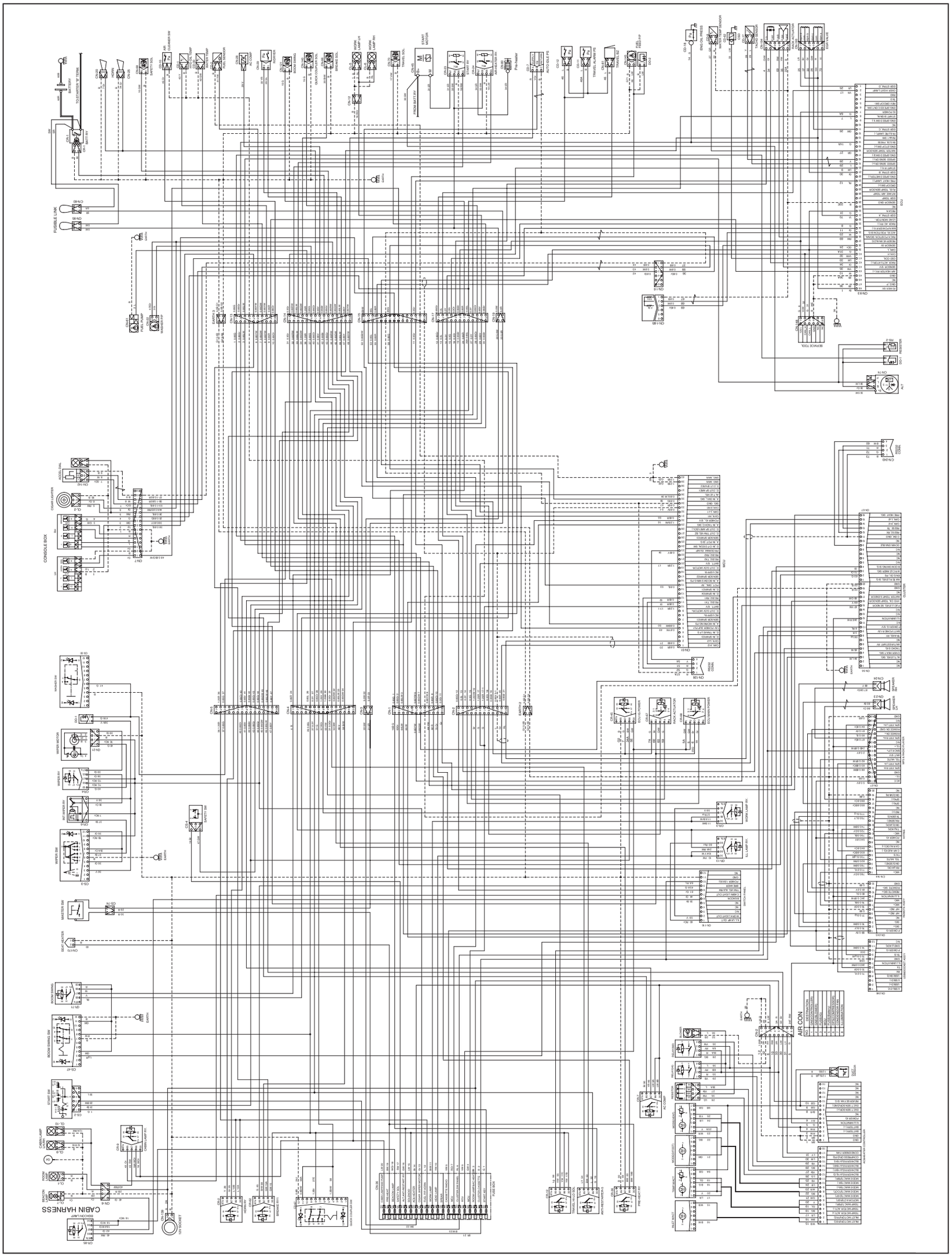


20ML-90300(2/2)

R60-9S(#0001~)

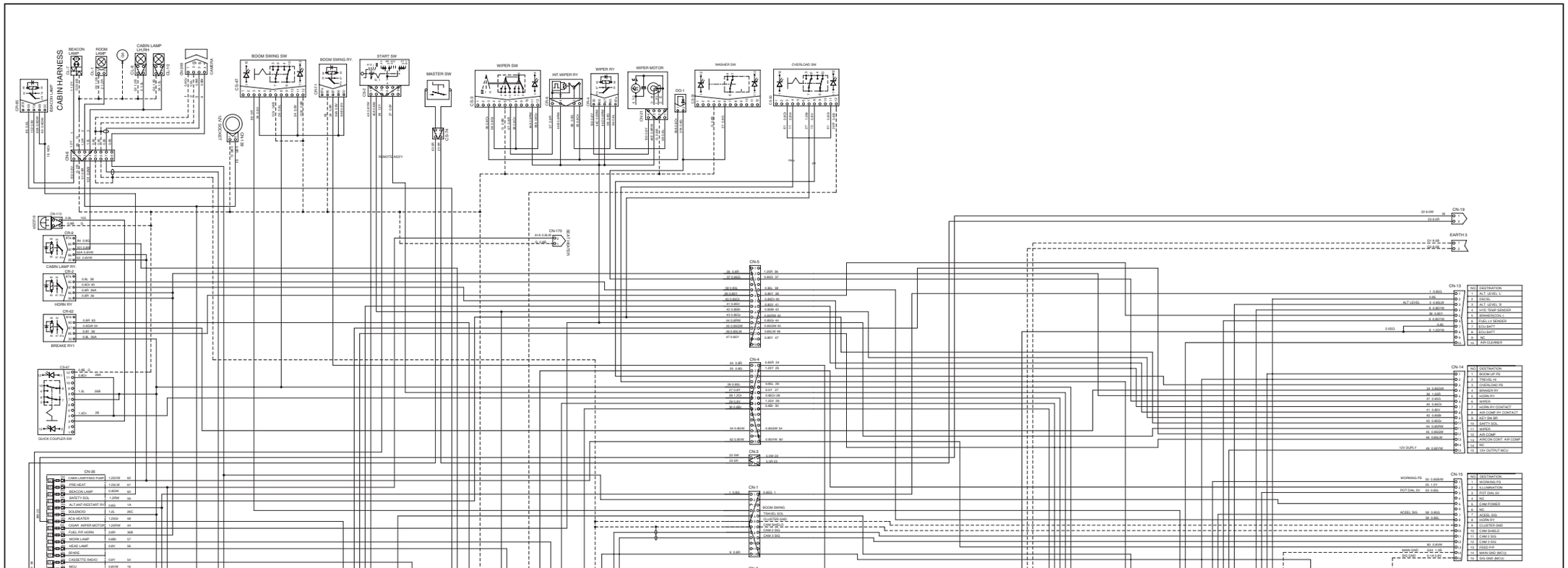


20M9-05107

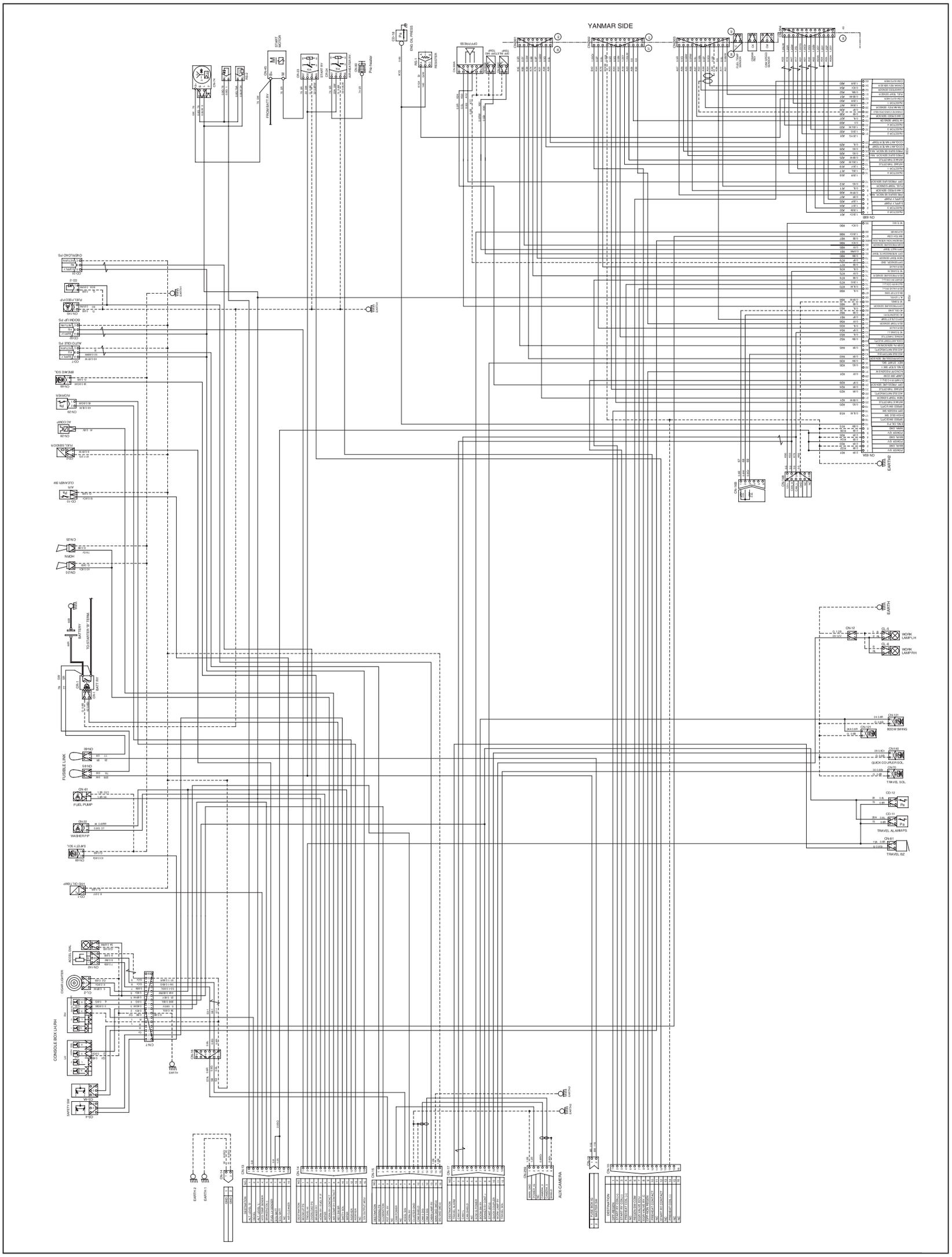


■ R80CR-9(#0001~)

R80CR-9A(#0001~)

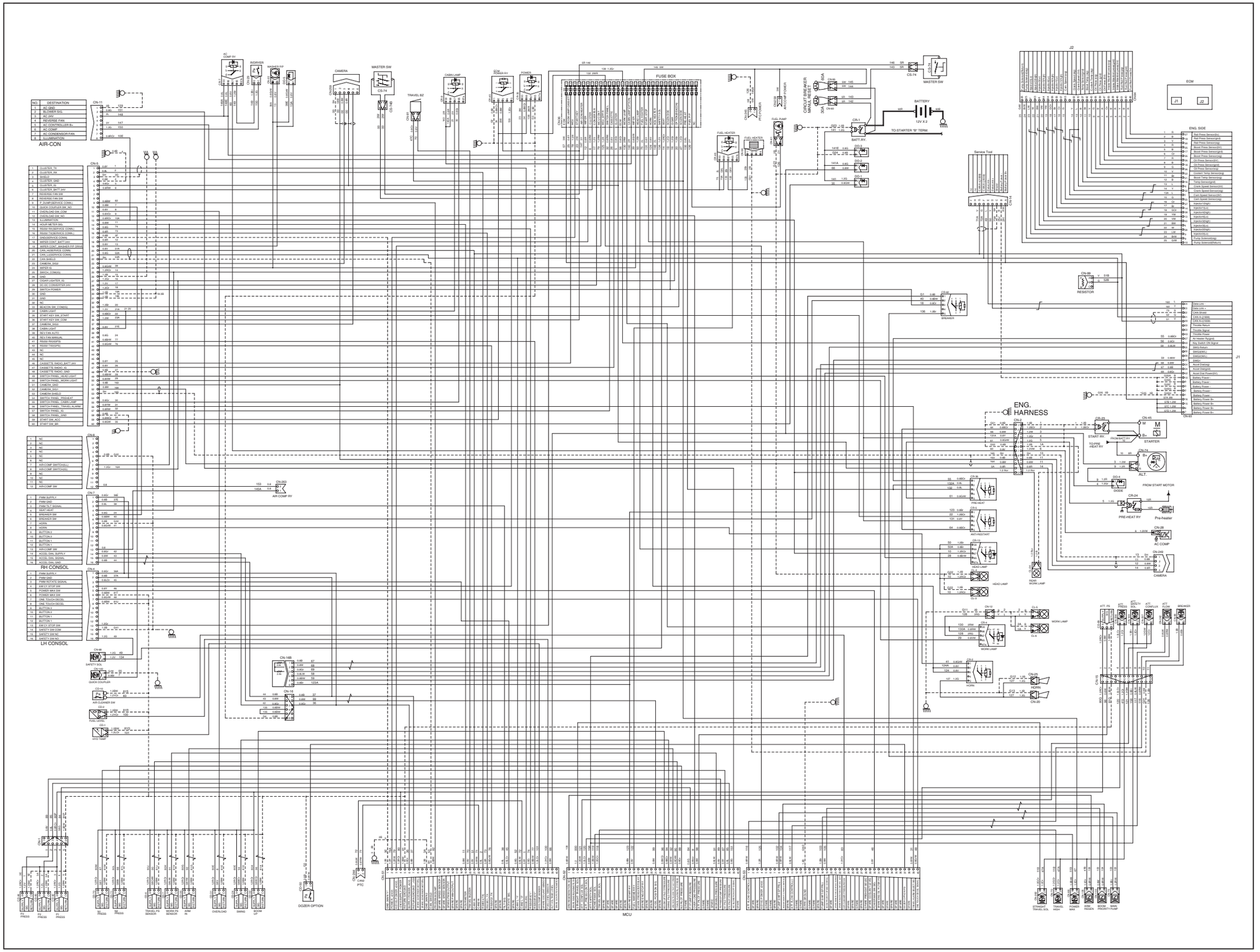


20ML-90400(1/2)

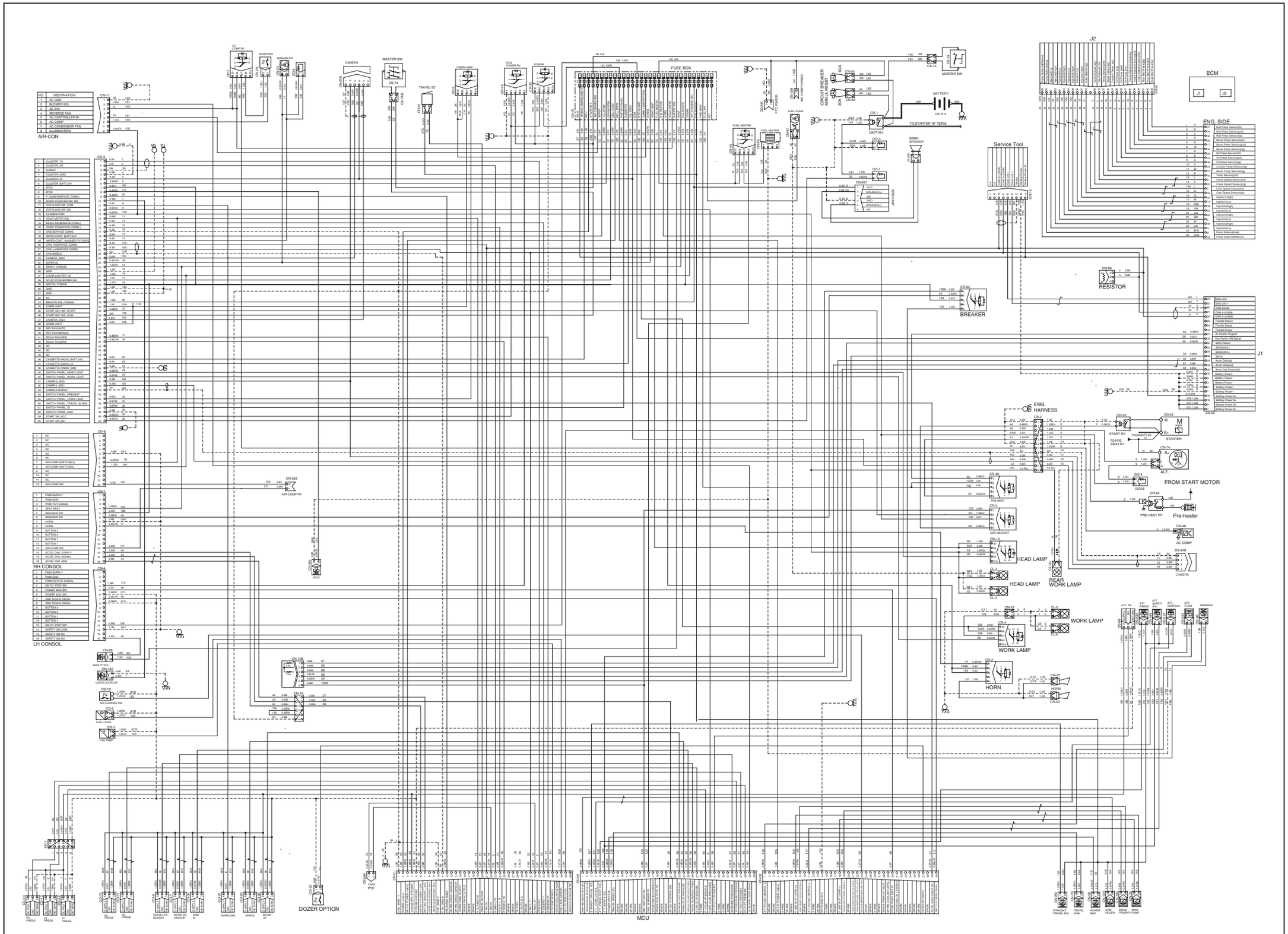


■ R80CR-9A(#0001~)

R140LC-9(OLD)

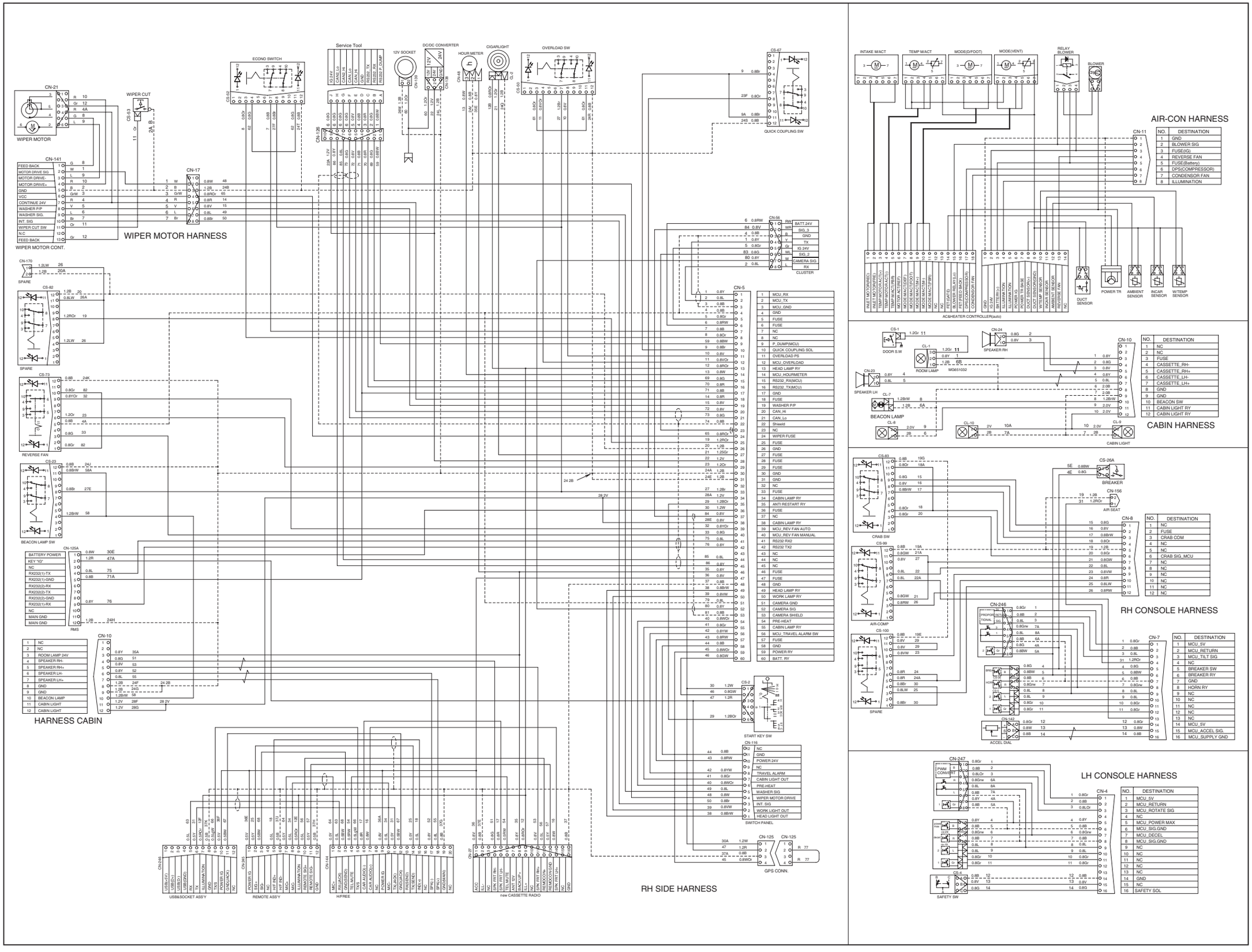


20Q4-07003-01(1/2)

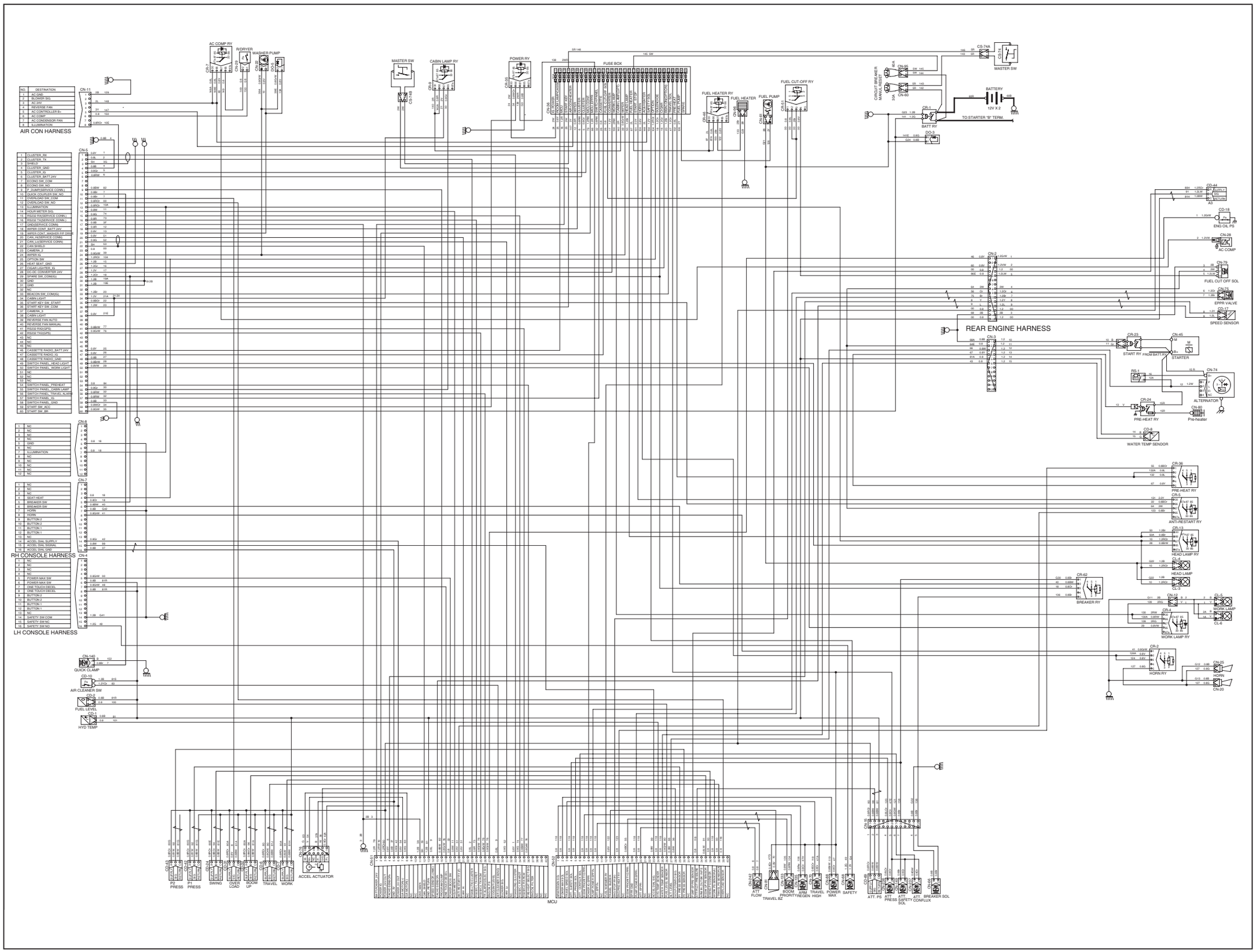


20Q4-07003-02(1/2)

R140LC-9(#0001~)

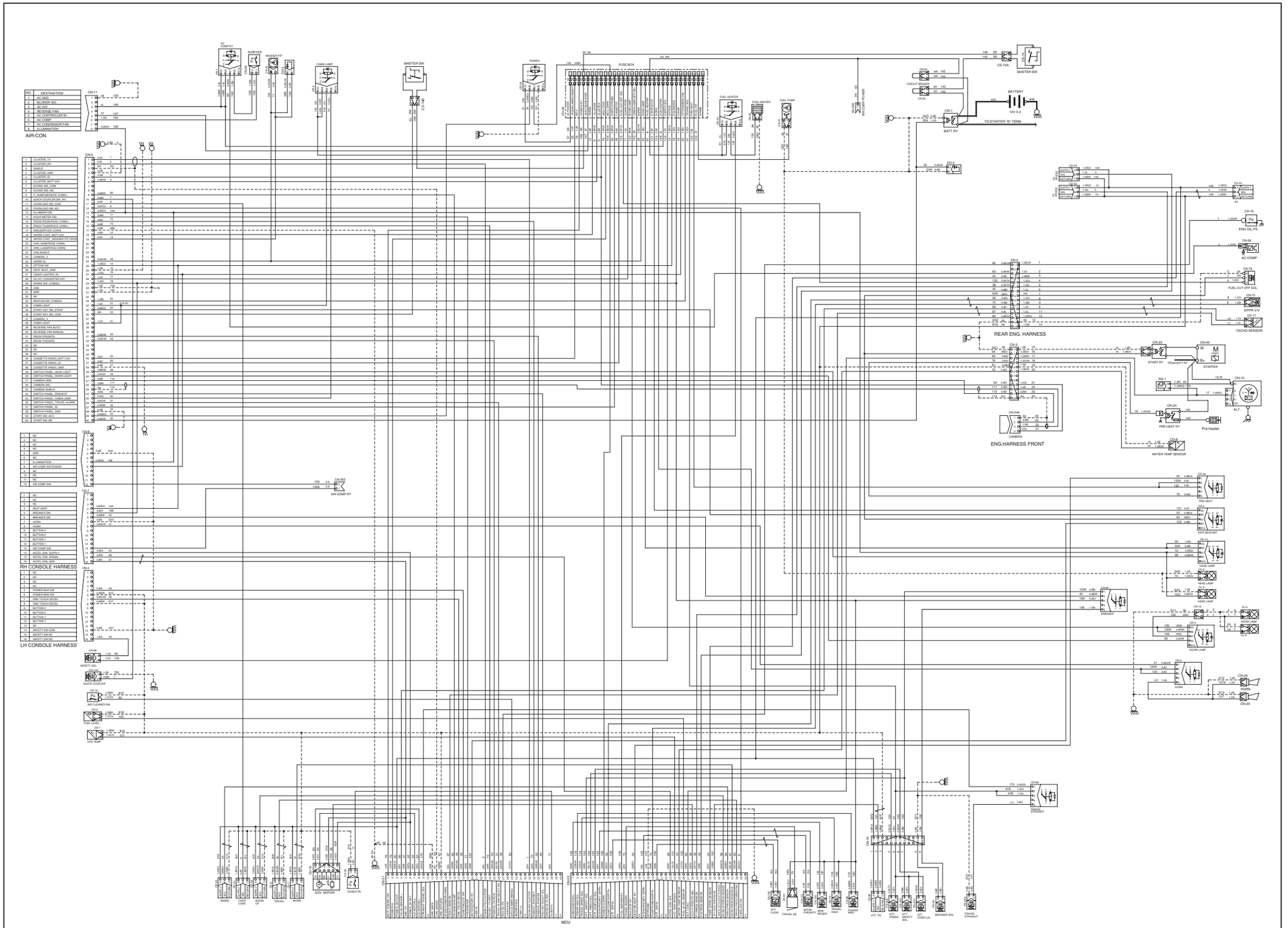


20Q6-07170(2/2)

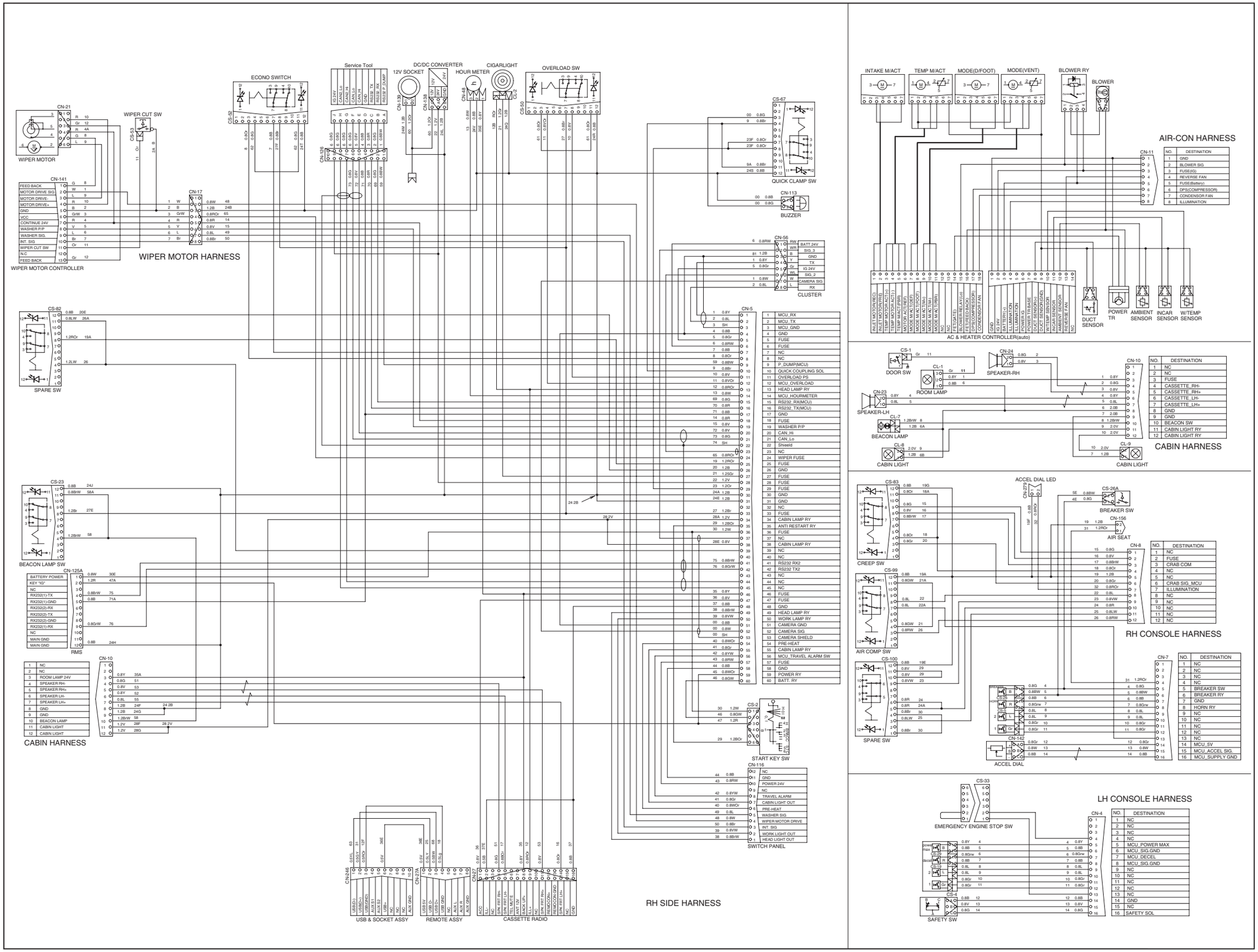


20Q4-07100(1/2)

R140LC-9S(Cluster type 1, CURRENT)



20Q4-07101(1/2)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

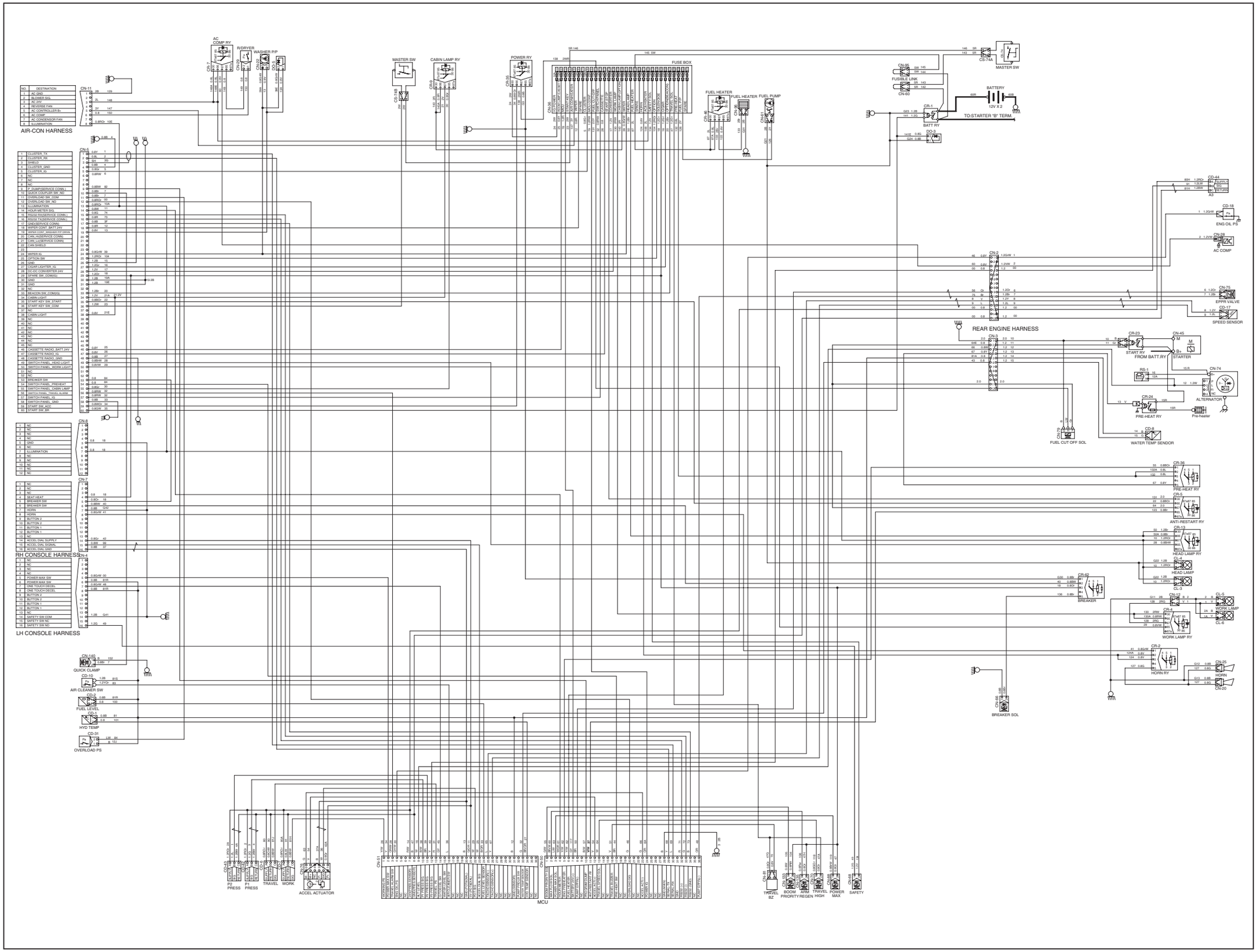
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

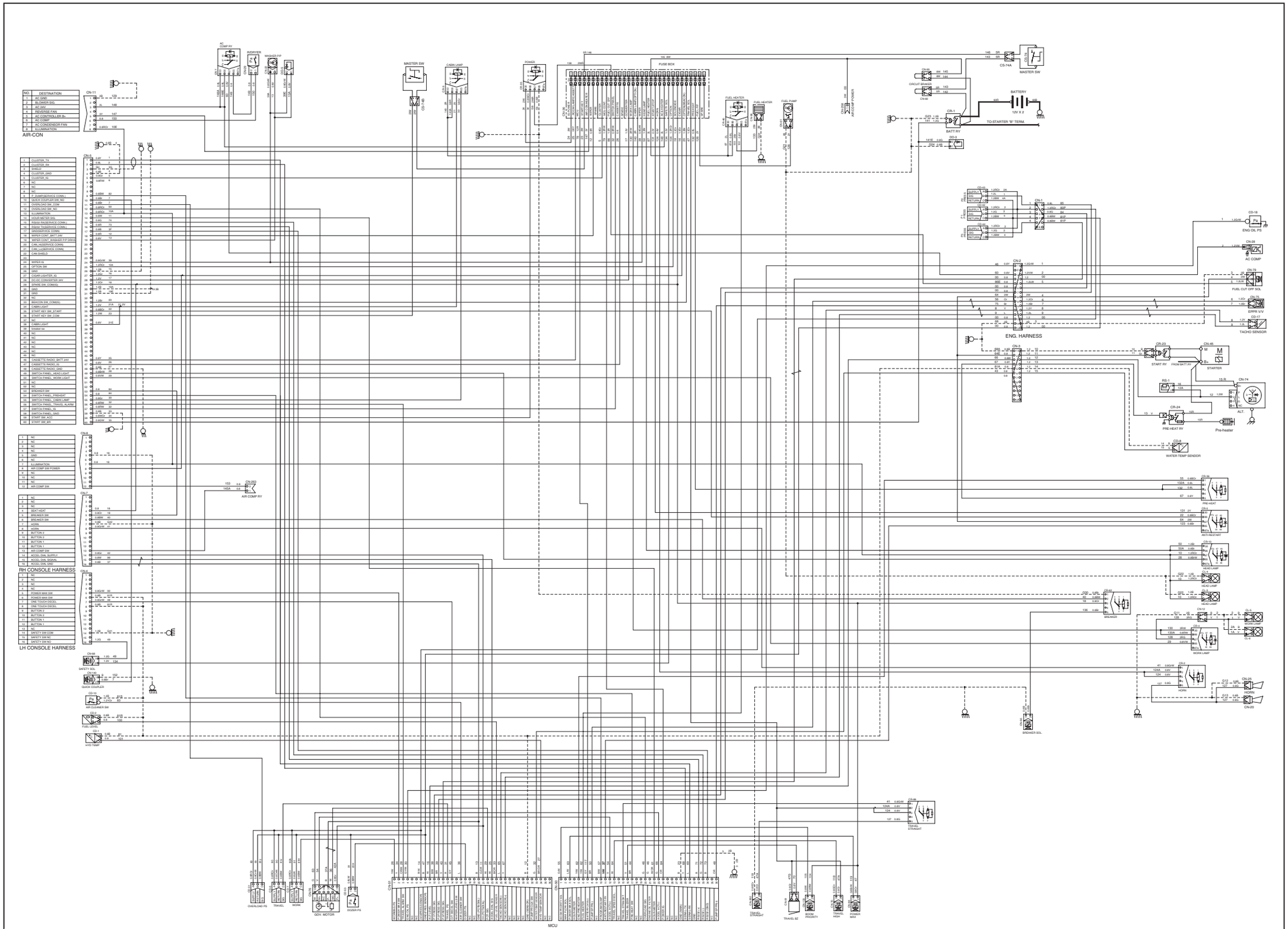
NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R140LC-9S(Cluster type 2, OLD)



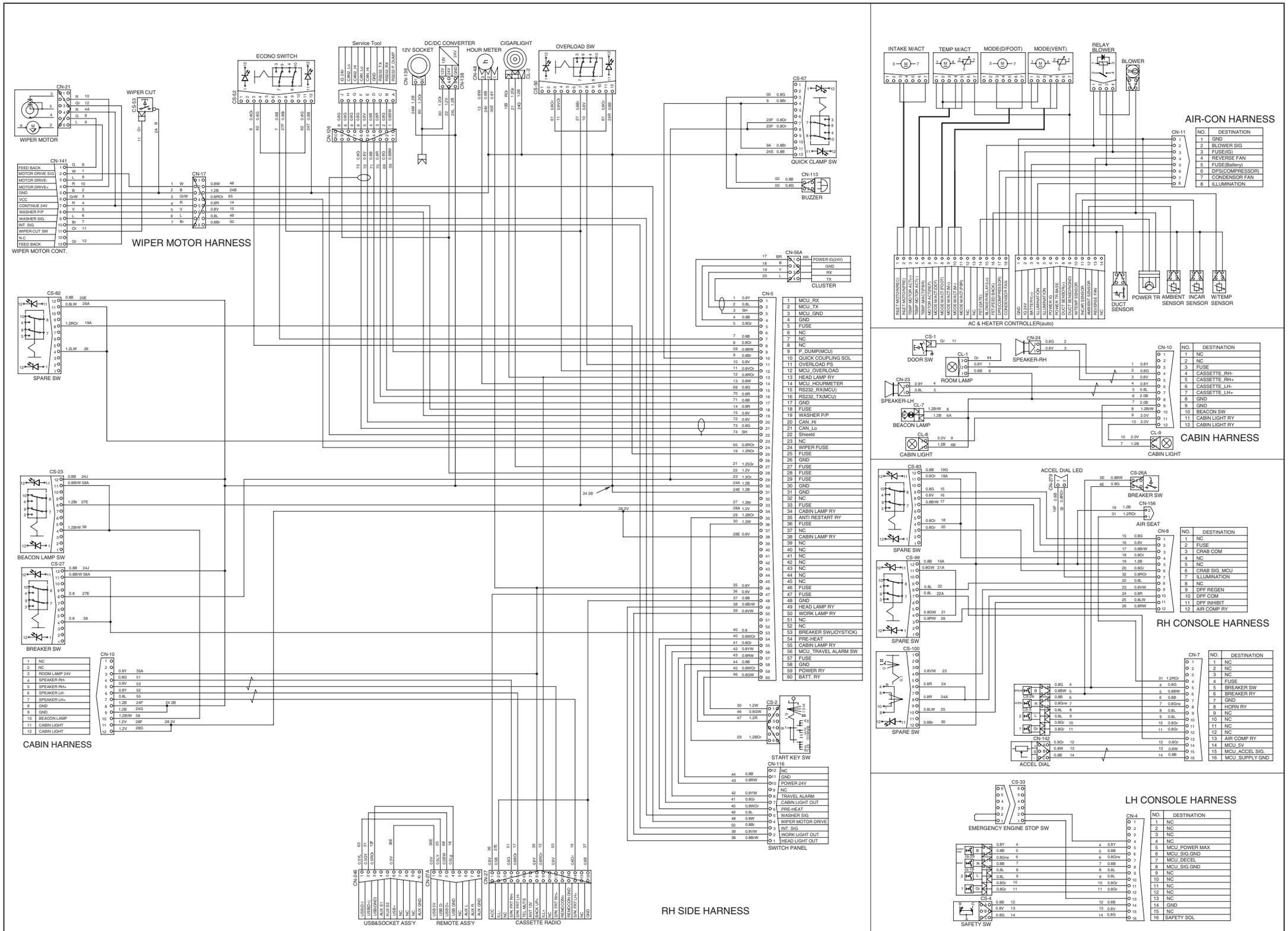
20Q4-06101(1/2)

■ R140LC-9S(Cluster type 2, CURRENT)



20Q4-06102(1/2)

R140LC-9S(Cluster type 2, #0001~)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

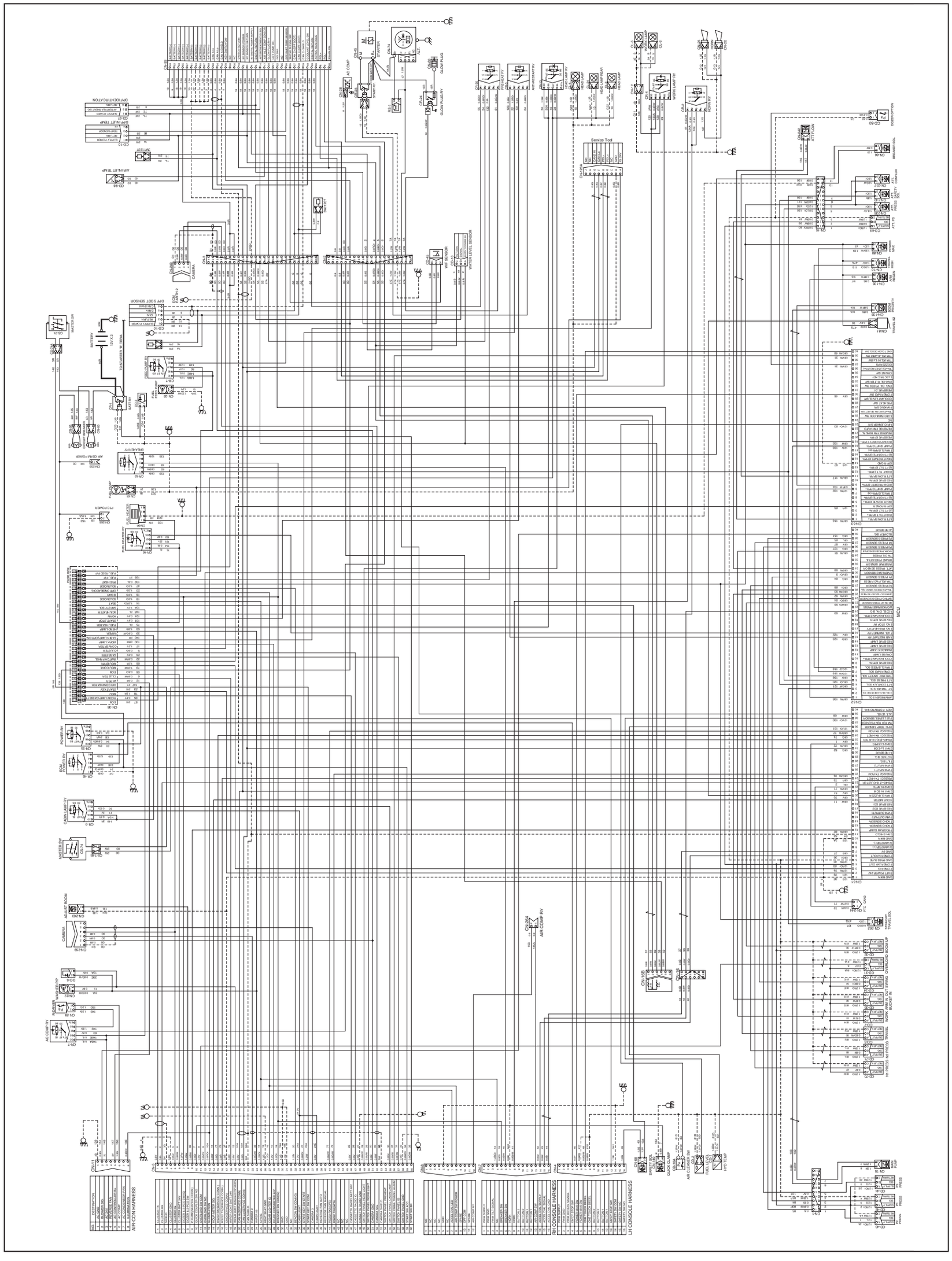
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

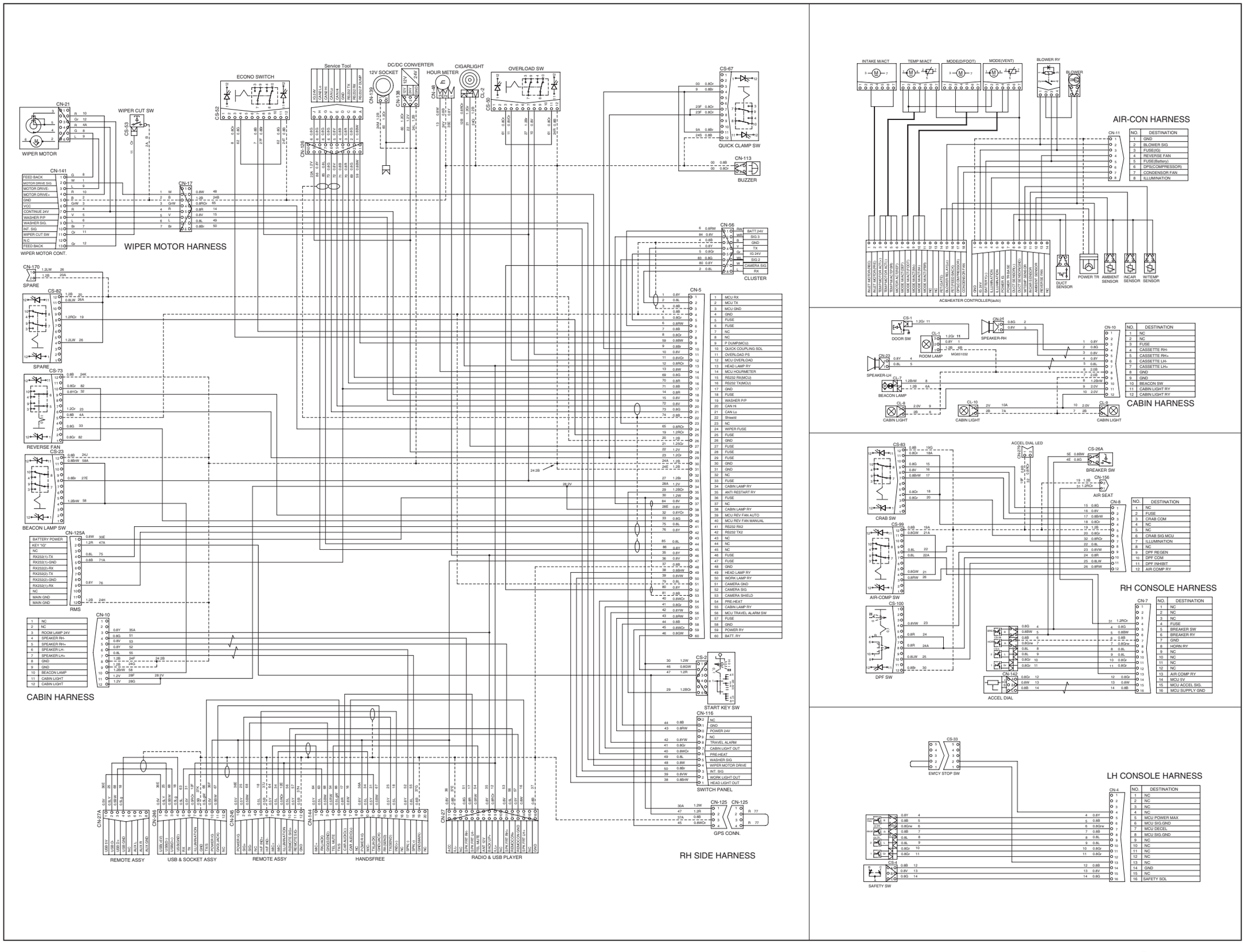
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	HORN RY
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL



■ R160/180LC-9A(#0001~)
■ R140LC-9A(#0001~)

- R140LC-9A(#0001~)
- R160/180LC-9A(#0001~)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

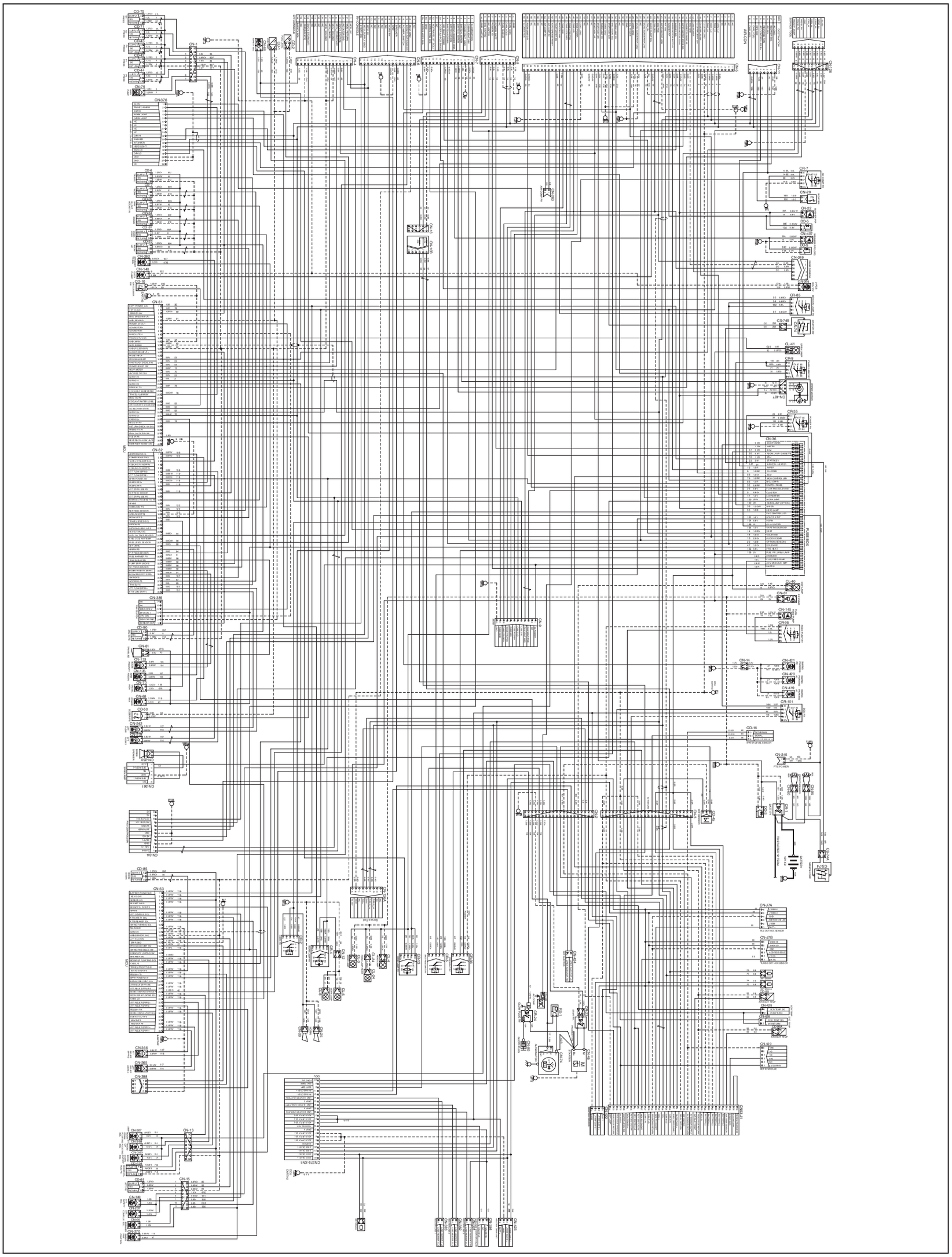
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE RH-
5	CASSETTE RH+
6	CASSETTE LH-
7	CASSETTE LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU 5V
15	MCU ACCEL SIG.
16	MCU SUPPLY GND

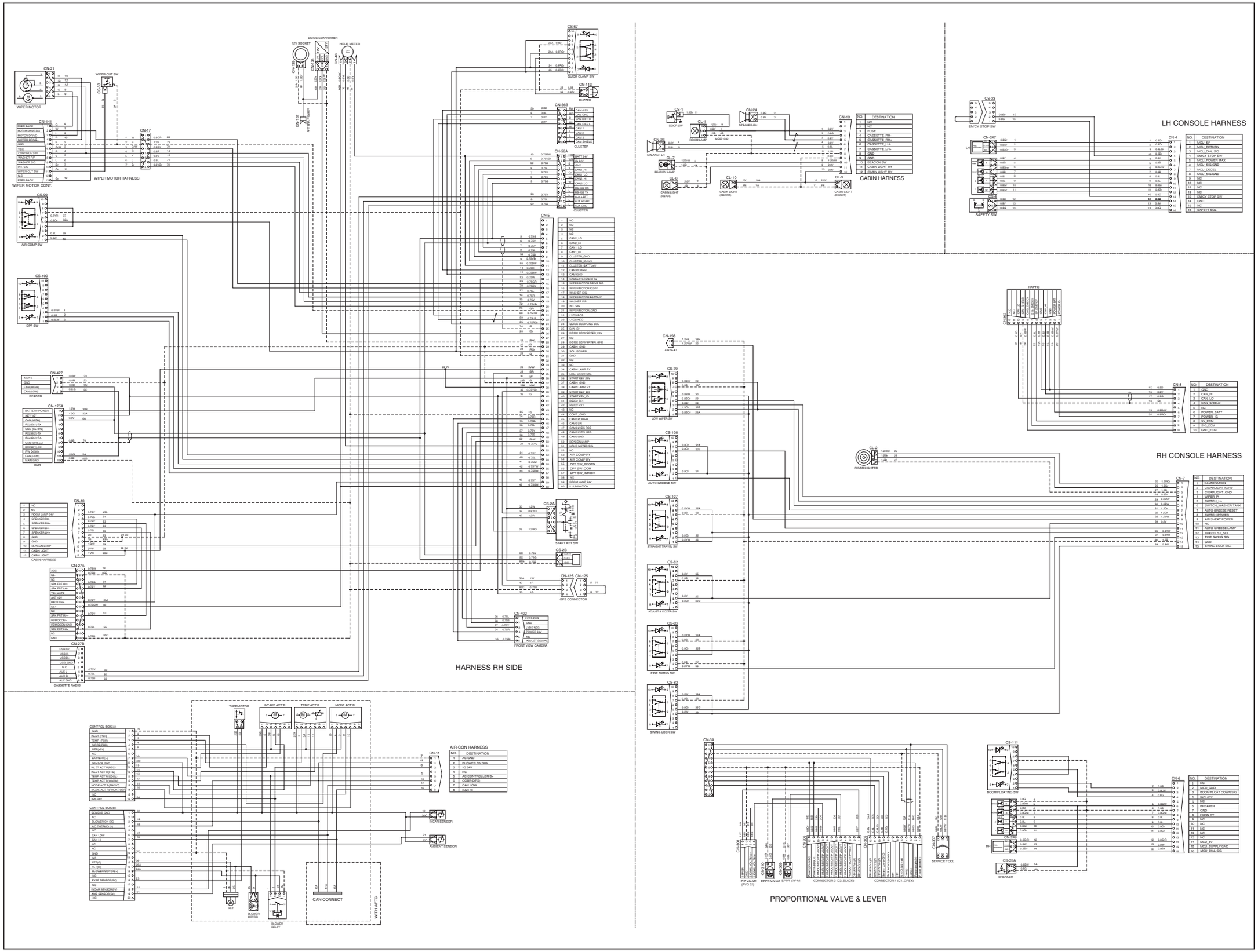
NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU POWER MAX
6	MCU SIG.GND
7	MCU DECEL
8	MCU SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

■ HX140 L(#0001~)
■ HX160/180 L(#0001~)

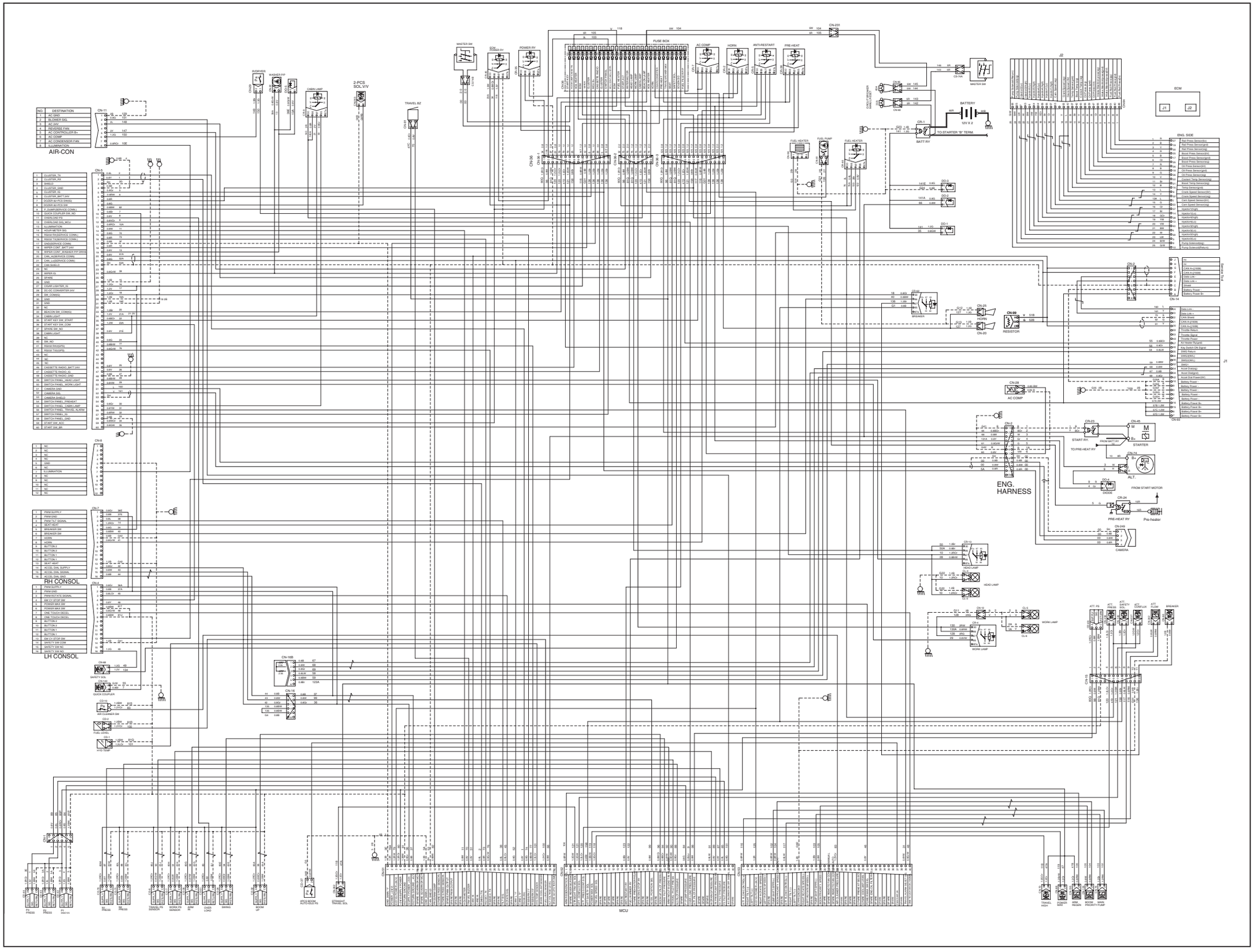


20K4-10200(1/2)

- HX140 L(#0001~)
- HX160/180 L(#0001~)

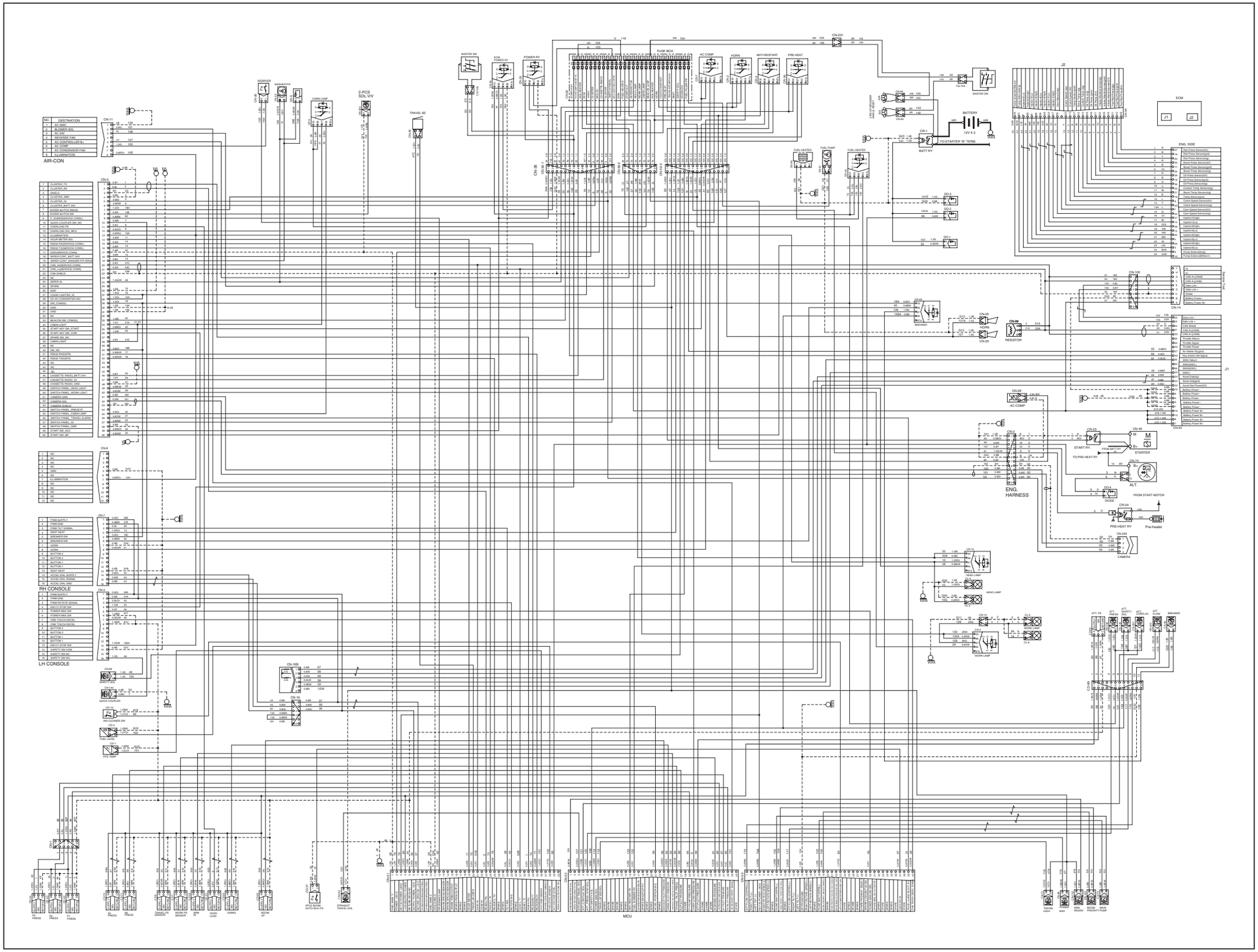


20K8-10302(2/2)



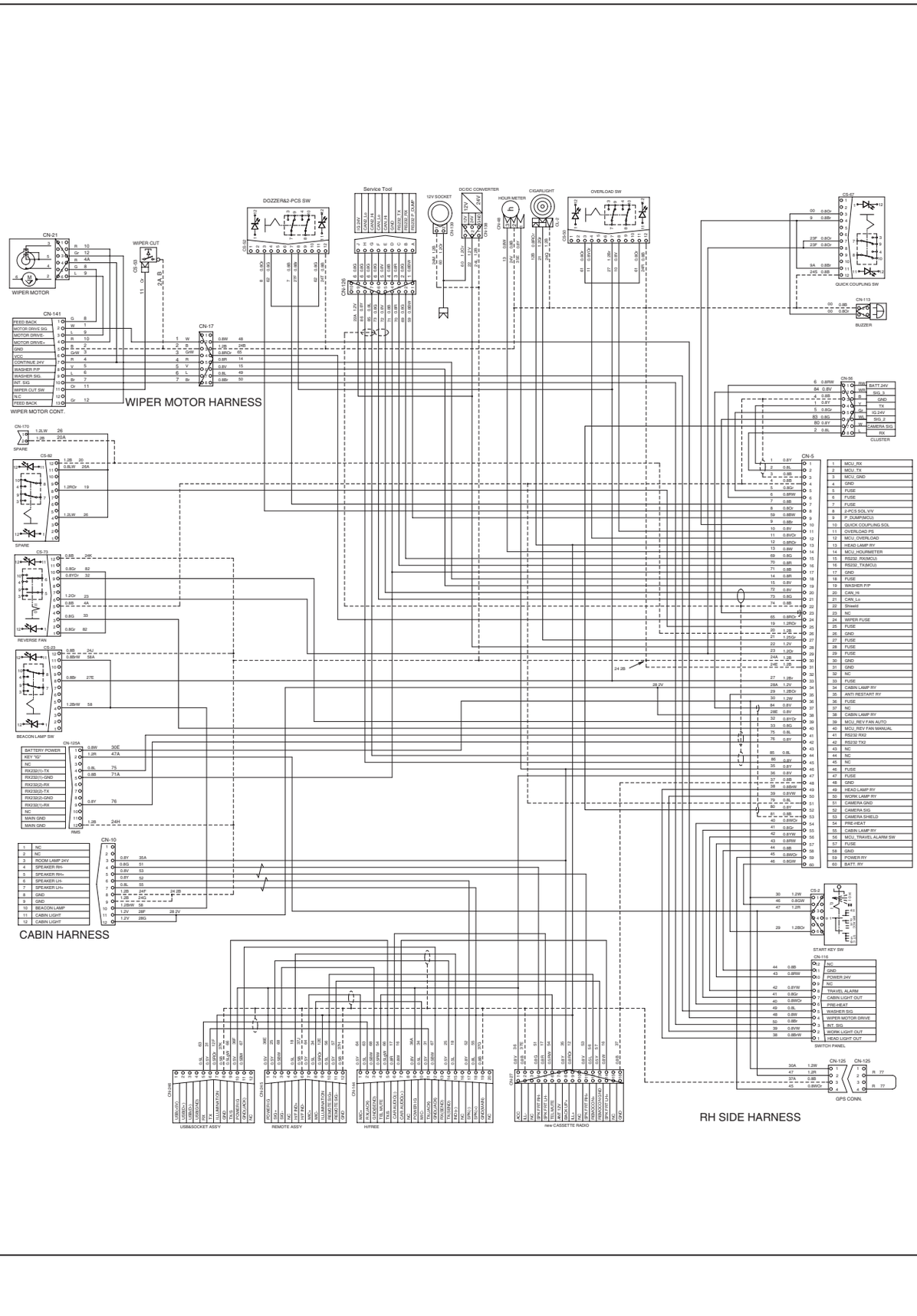
20Q4-00003-01(1/2)

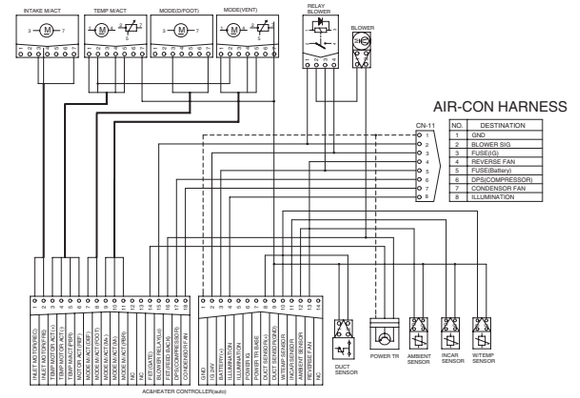
R145CR-9(CURRENT)



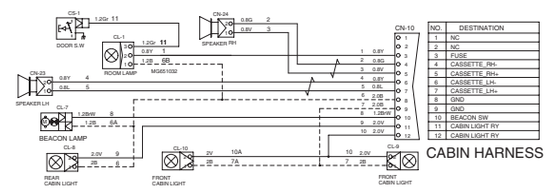
20Q4-00003-02(1/2)

■ R145CR-9(#0001~)

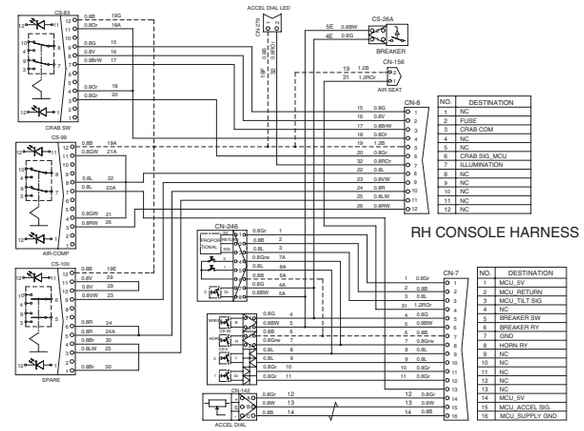




NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(ED)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

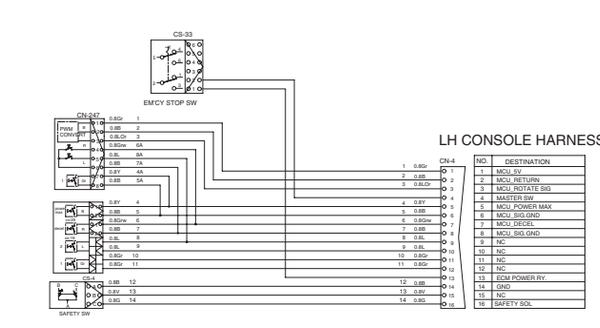


NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY



NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

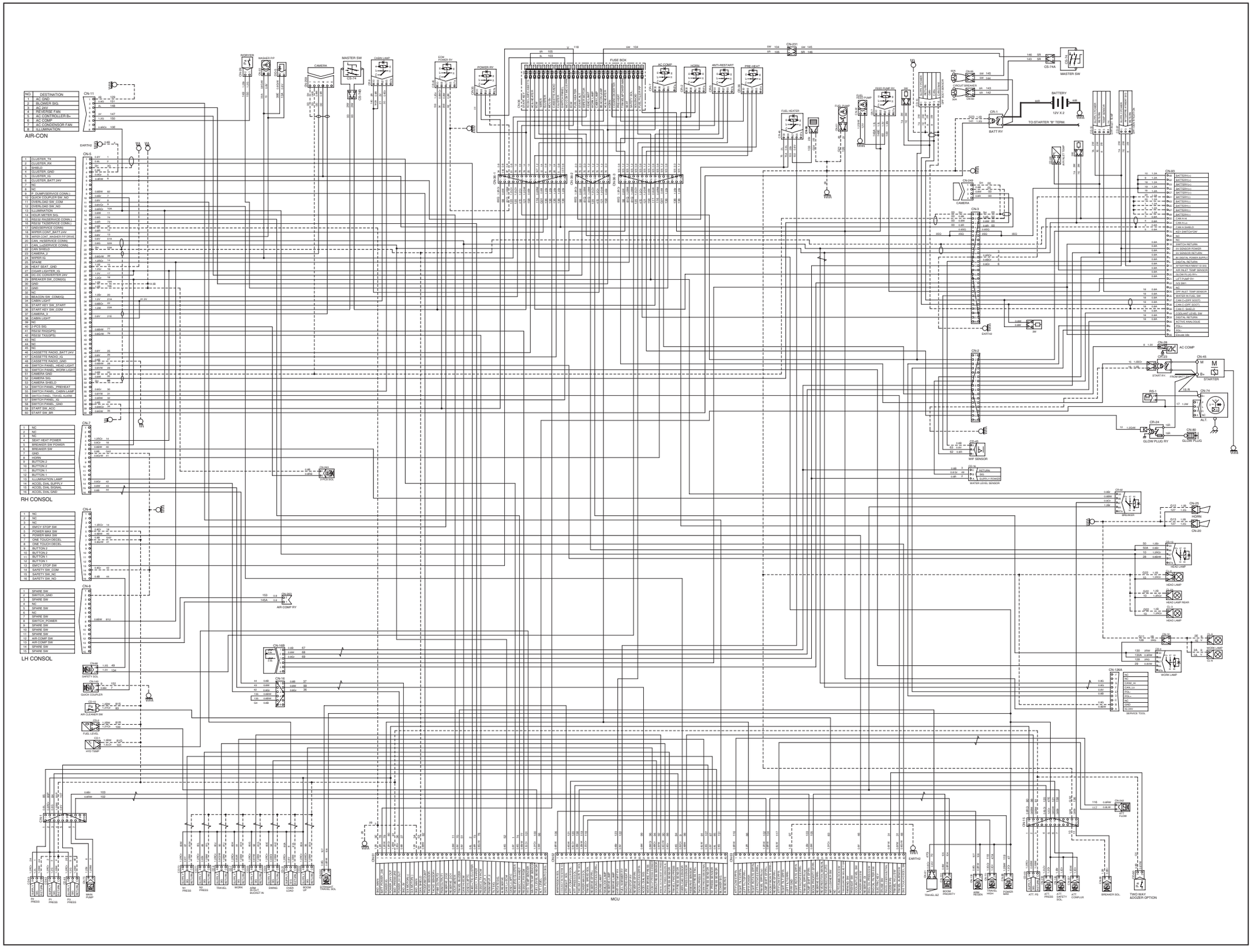
NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_TILT SIG
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG_
16	MCU_SUPPLY GND_



NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_ROTATE SIG
4	MASTER SW
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DRCEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	ECM POWER RY.
14	GND
15	NC
16	SAFETY SOL

20Q6-07109(2/2)

R145CR-9A(#0001~)



20Q4-02300(1/2)

WIPER MOTOR HARNESS

CABIN HARNESS

RH SIDE HARNESS

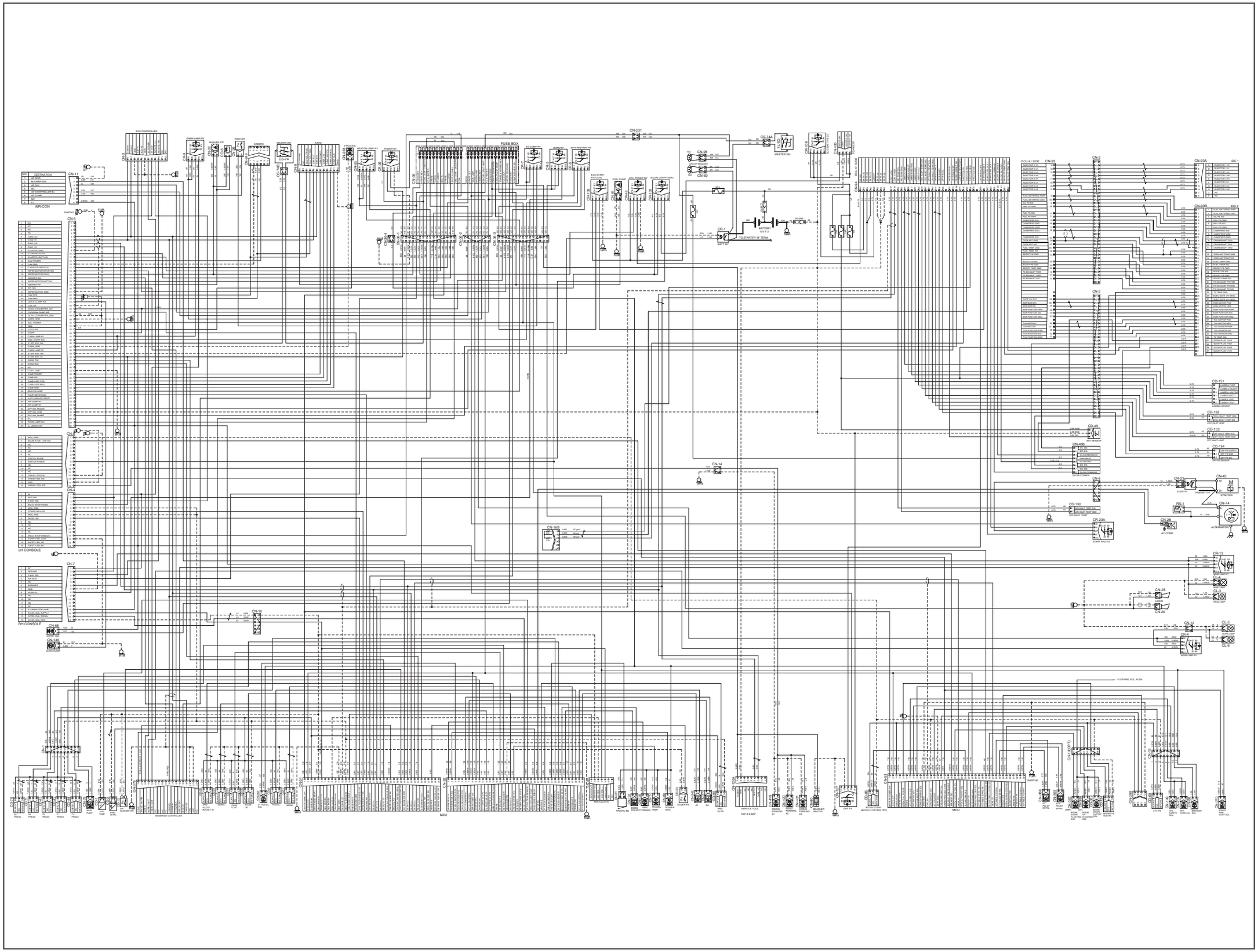
AIR-CON HARNESS

CABIN HARNESS

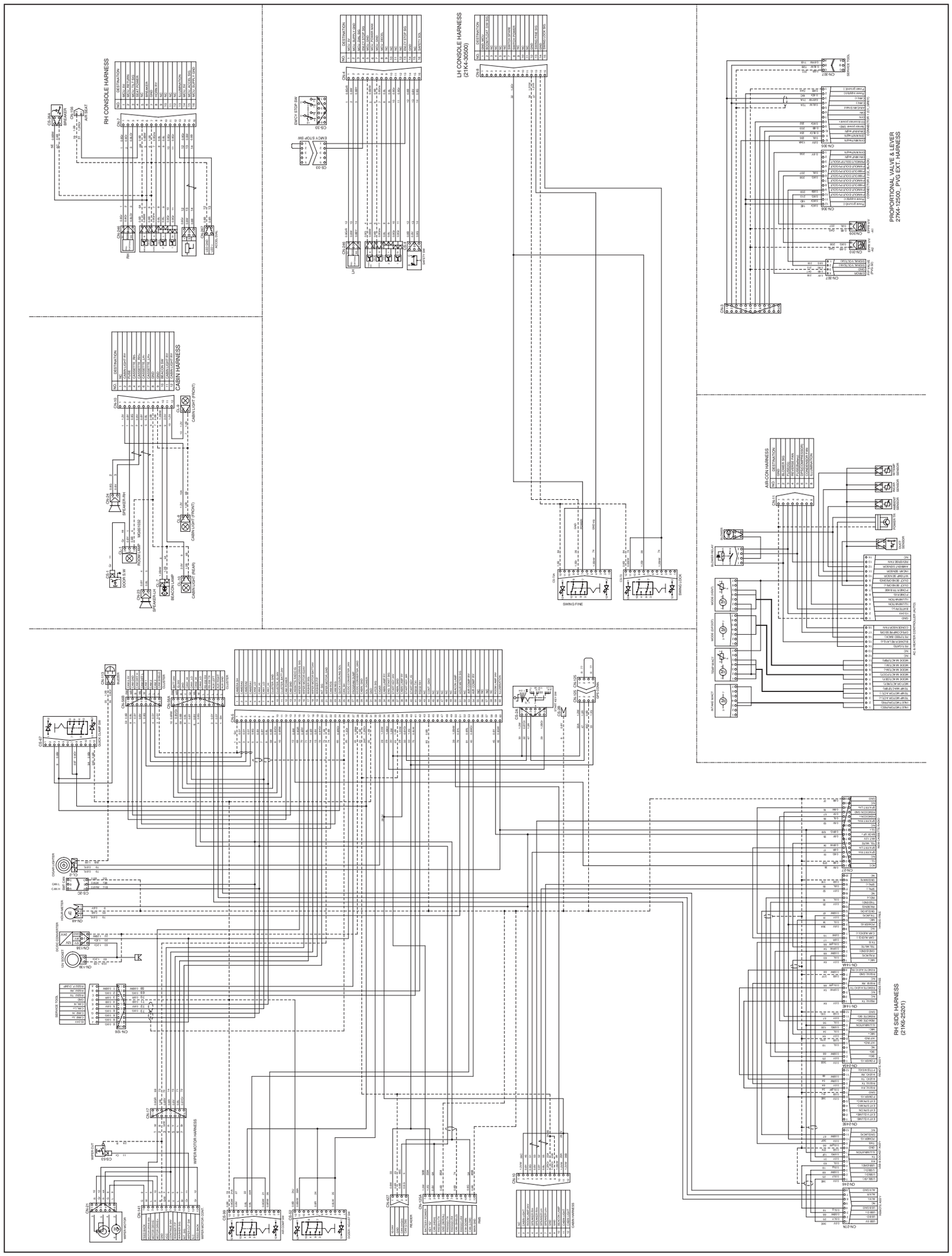
RH CONSOLE HARNESS

LH CONSOLE HARNESS

HX145LCR(#0001~)

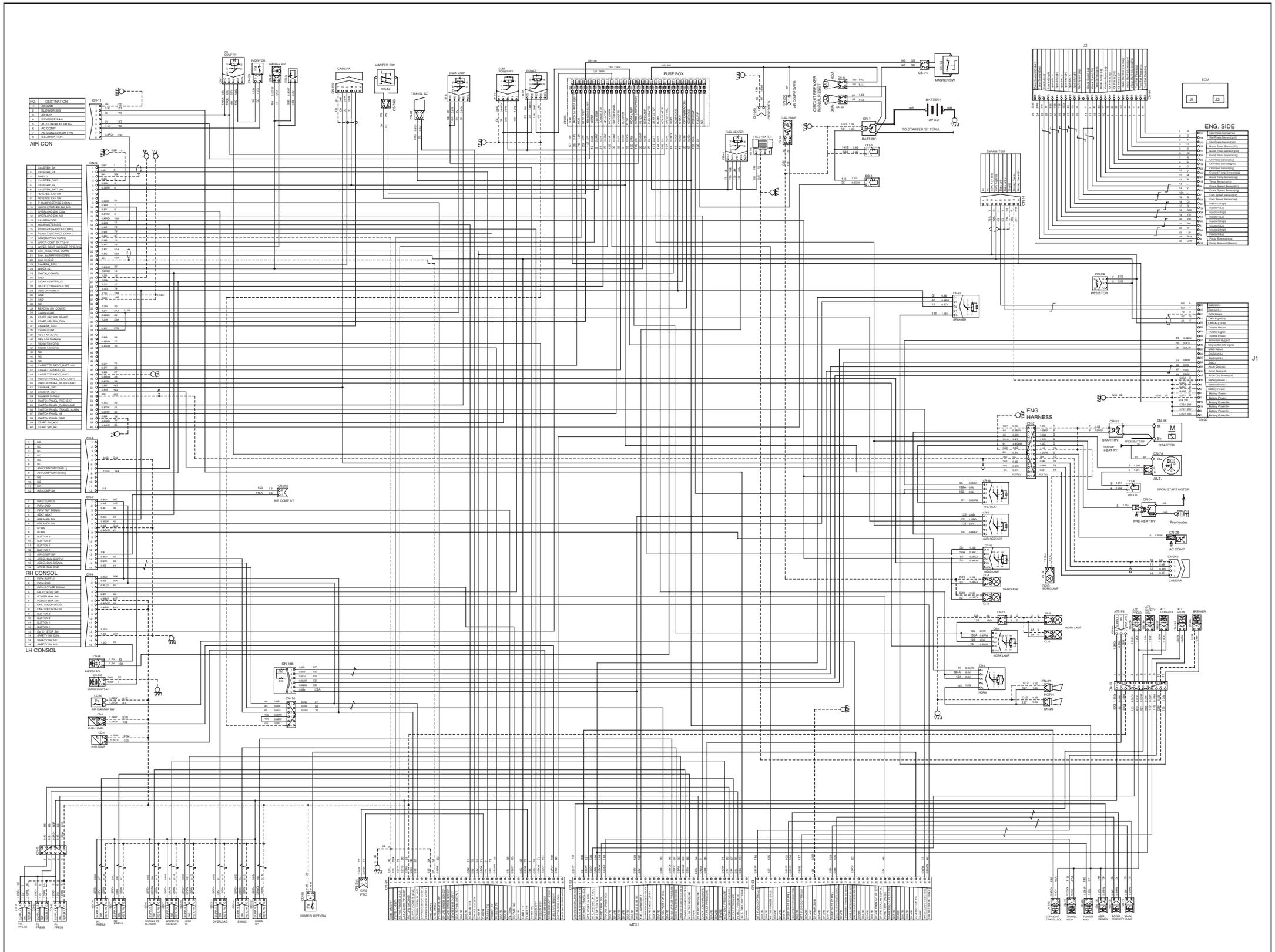


20K3-02300(1/2)

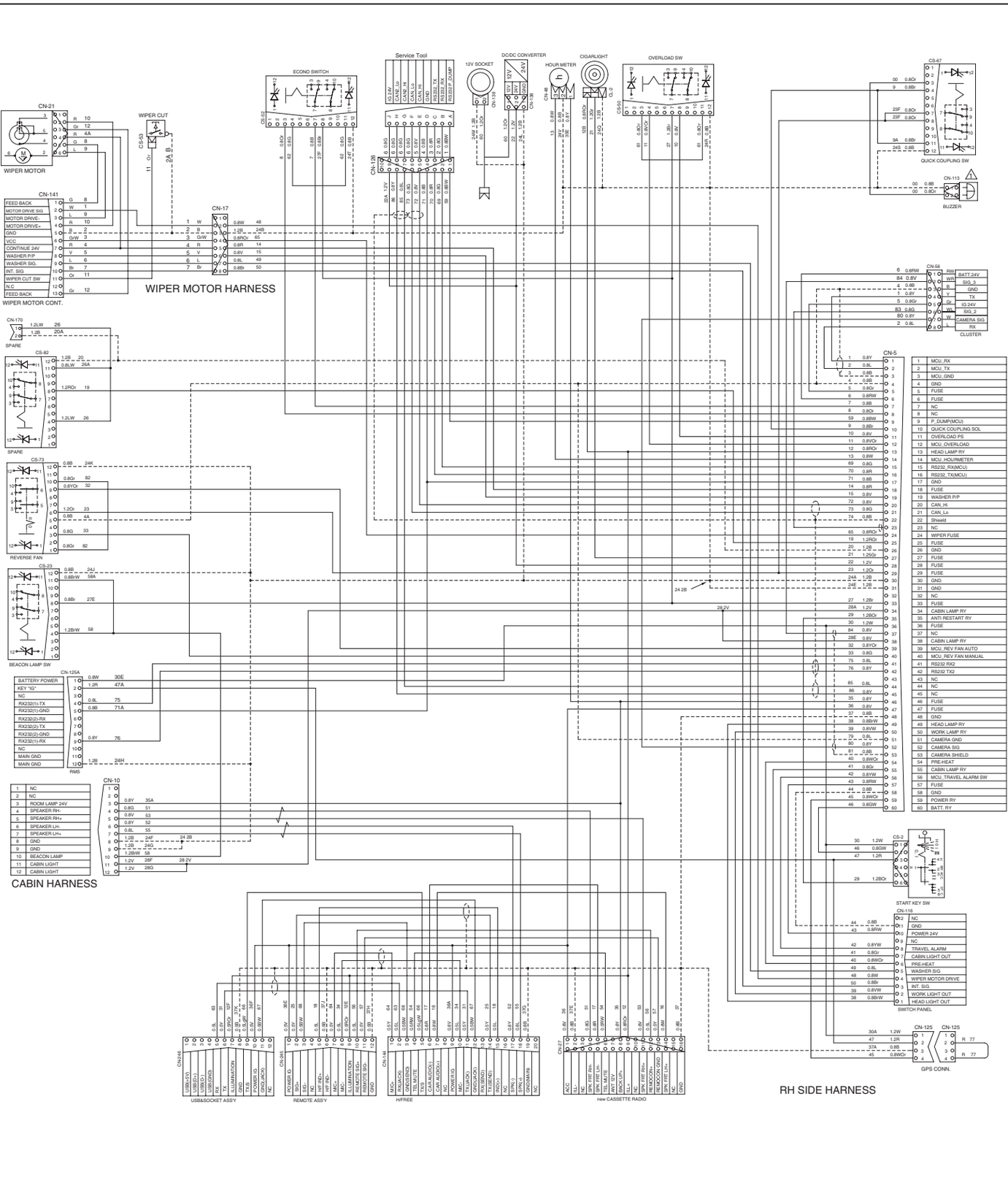


■ HX145LCR(#0001~)

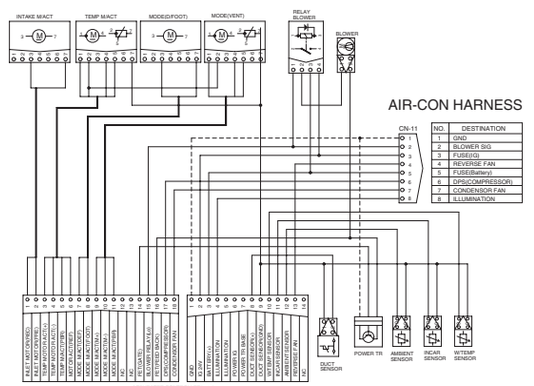
R160/180LC-9(#0001~)



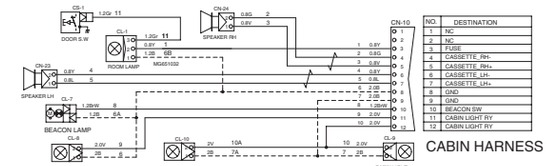
20Q5-01000(1/2)



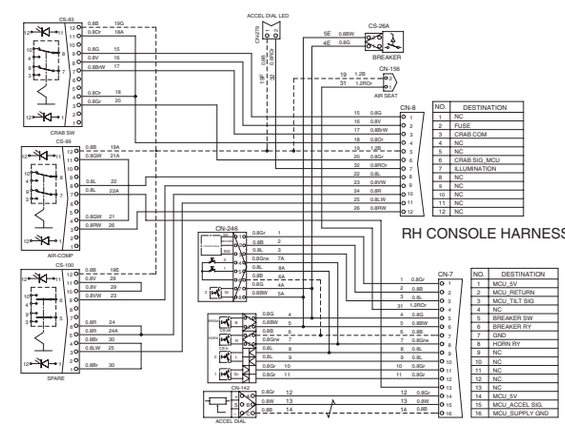
1	MCU_RX
2	MCU_TX
3	MCU_GND
4	GND
5	FUSE
6	FUSE
7	NC
8	NC
9	P_DUMP(MCU)
10	QUICK COUPLING SOL
11	OVERLOAD PS
12	MCU_OVERLOAD
13	HEAD LAMP RY
14	MCU_HOURMETER
15	RS232_RX(MCU)
16	RS232_TX(MCU)
17	GND
18	FUSE
19	WASHER P/P
20	CAN_Hi
21	CAN_Lo
22	Shield
23	NC
24	WIPER FUSE
25	FUSE
26	GND
27	FUSE
28	FUSE
29	FUSE
30	GND
31	GND
32	NC
33	FUSE
34	CABIN LAMP RY
35	ANTI RESTART RY
36	FUSE
37	NC
38	CABIN LAMP RY
39	MCU_REV FAN AUTO
40	MCU_REV FAN MANUAL
41	RS232 RX2
42	RS232 TX2
43	NC
44	NC
45	NC
46	FUSE
47	FUSE
48	GND
49	HEAD LAMP RY
50	WORK LAMP RY
51	CAMERA GND
52	CAMERA SIG
53	CAMERA SHIELD
54	PRE-HEAT
55	CABIN LAMP RY
56	MCU_TRAVEL ALARM SW
57	FUSE
58	GND
59	POWER RY
60	BATT. RY



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

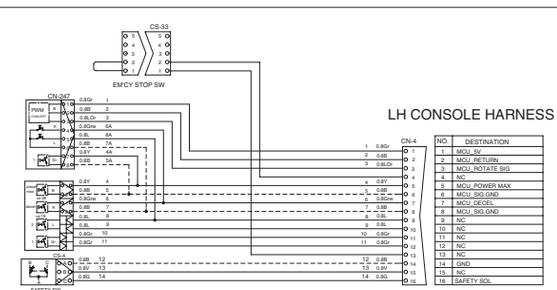


NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY



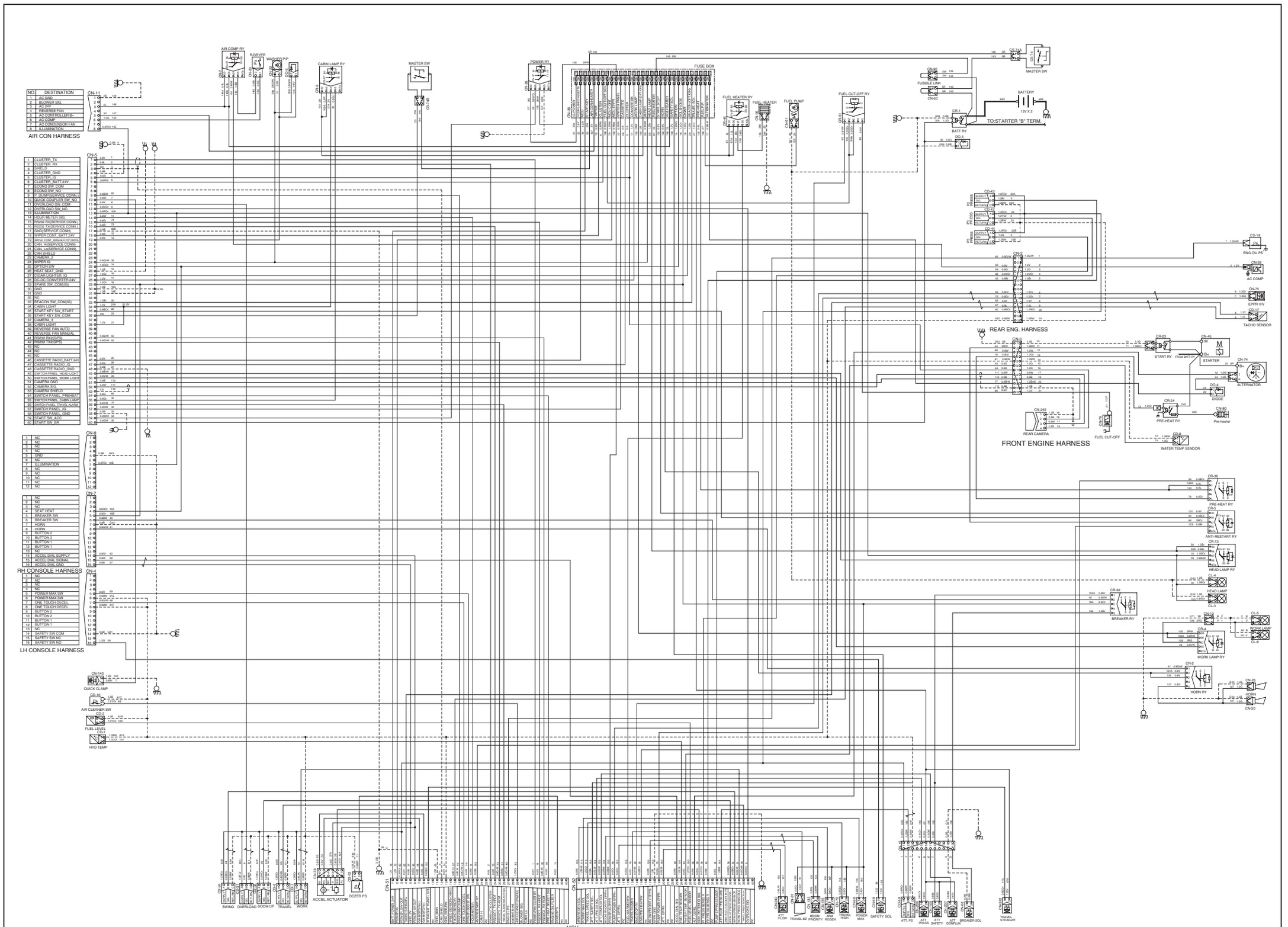
NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG. MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_TILT SIG
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

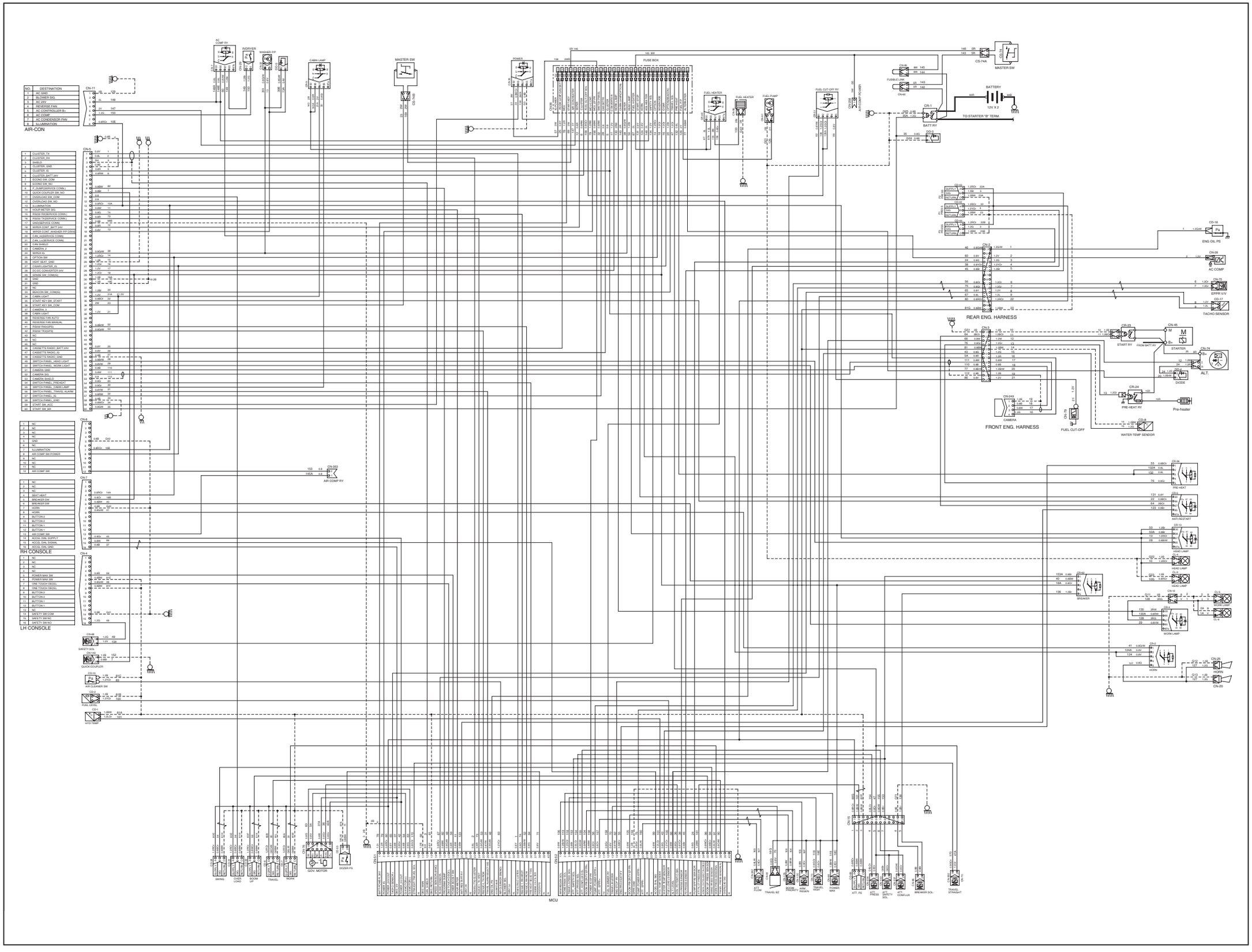


NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_ROTATE SIG
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R160/R180LC-9S(Cluster type 1, OLD)

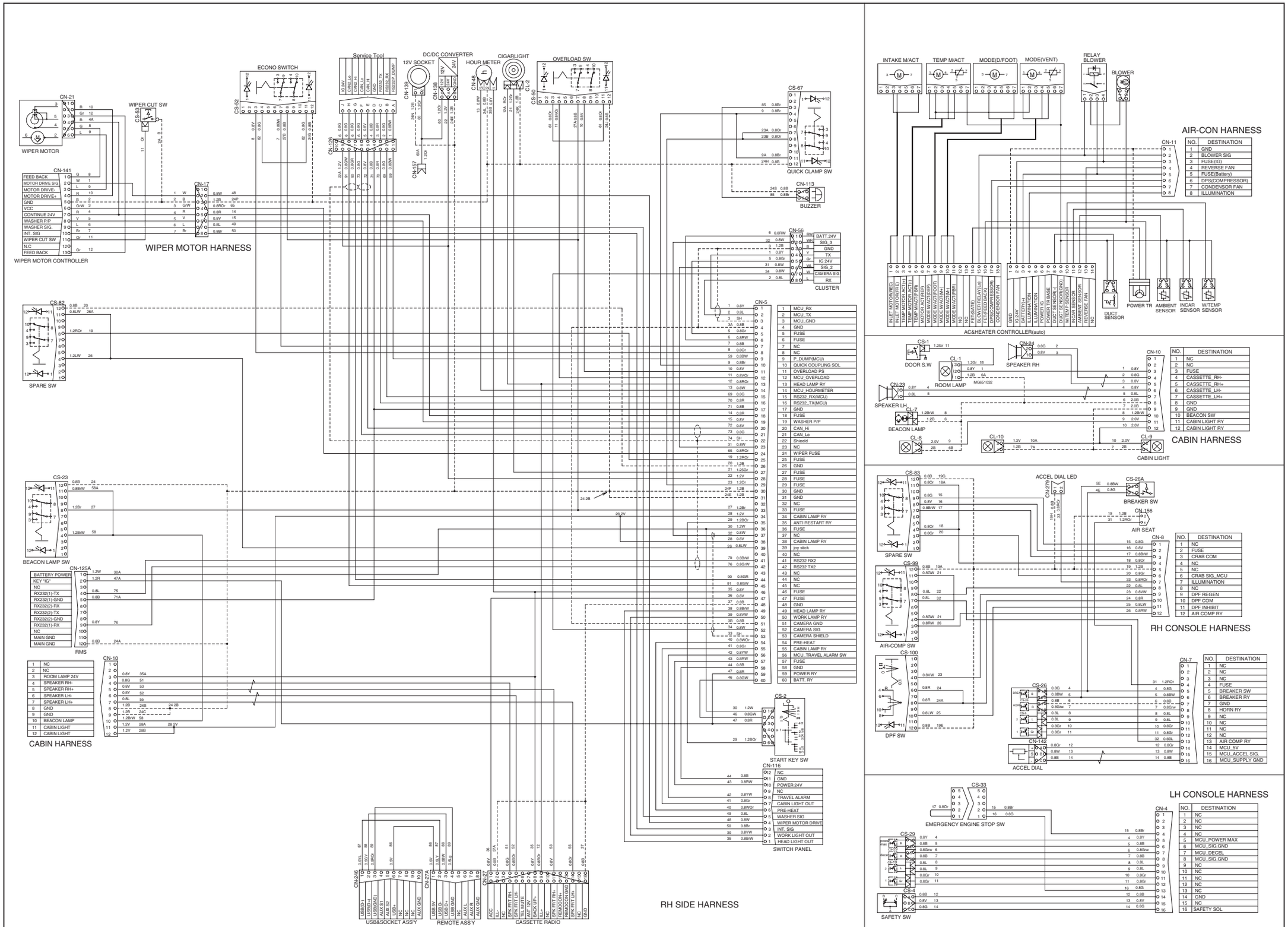


20Q5-08100(1/2)

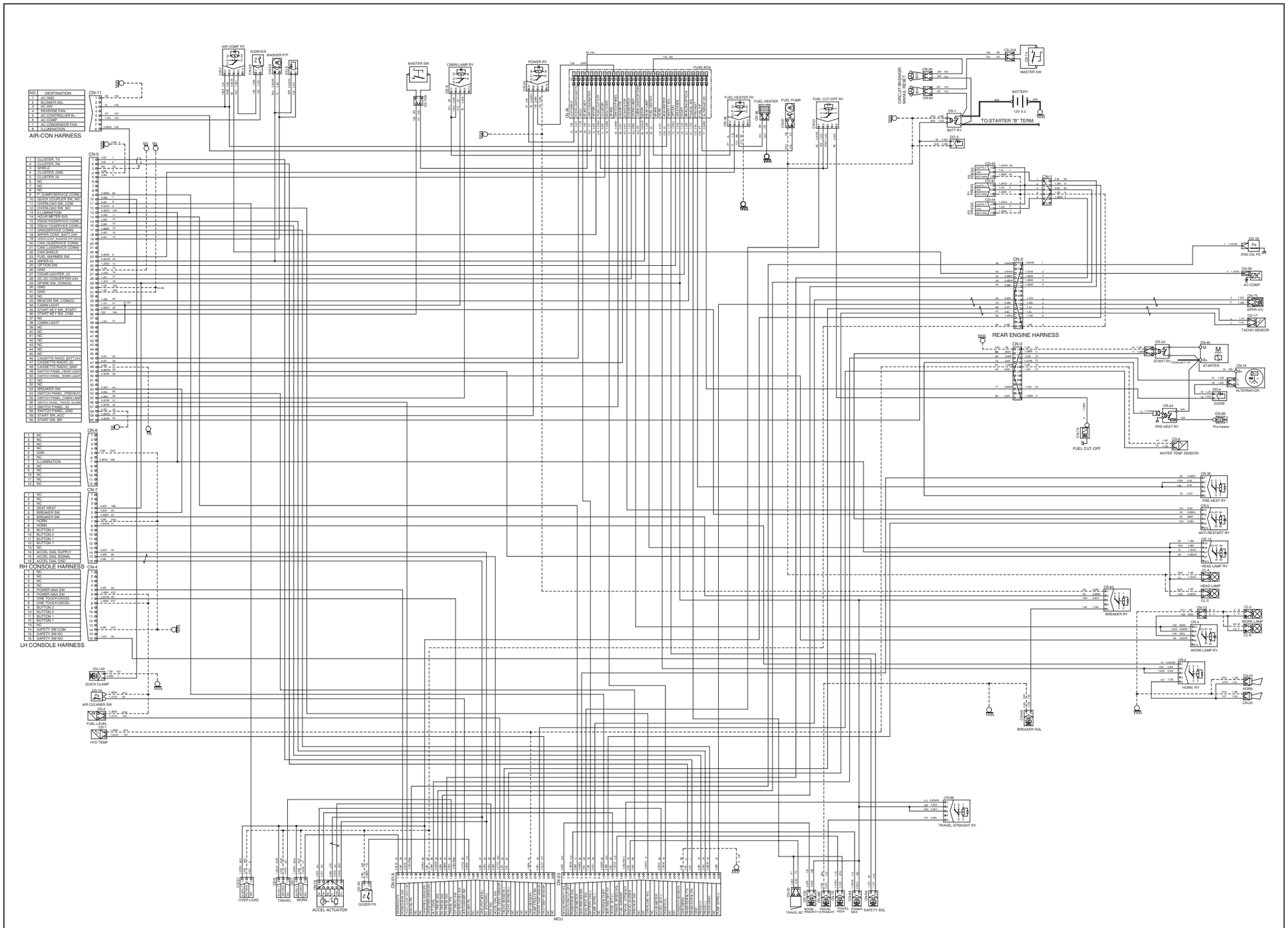


20Q5-06701(1/2)

R160/R180LC-9S(Cluster type 1, #0001~)

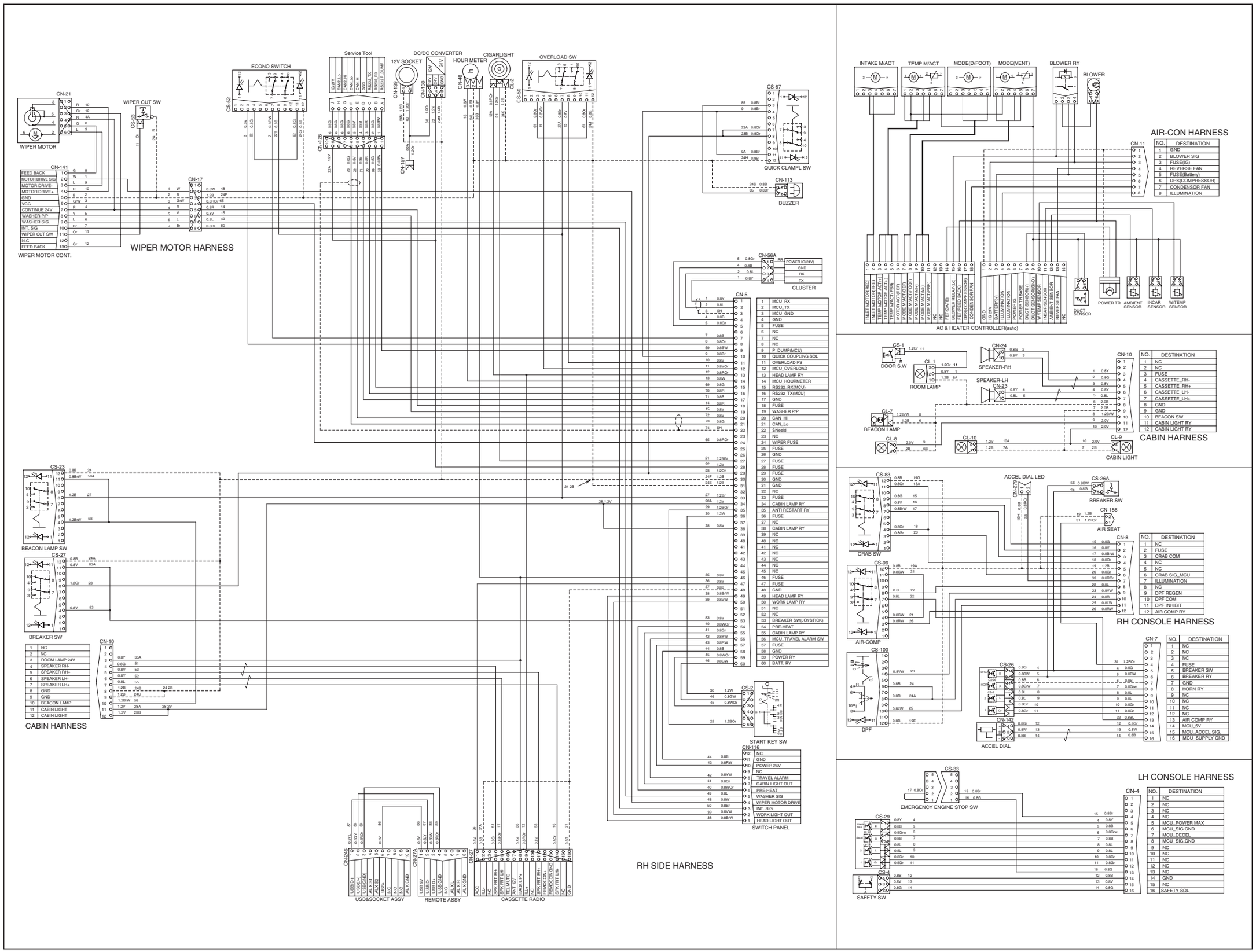


20Q5-08100(2/2)

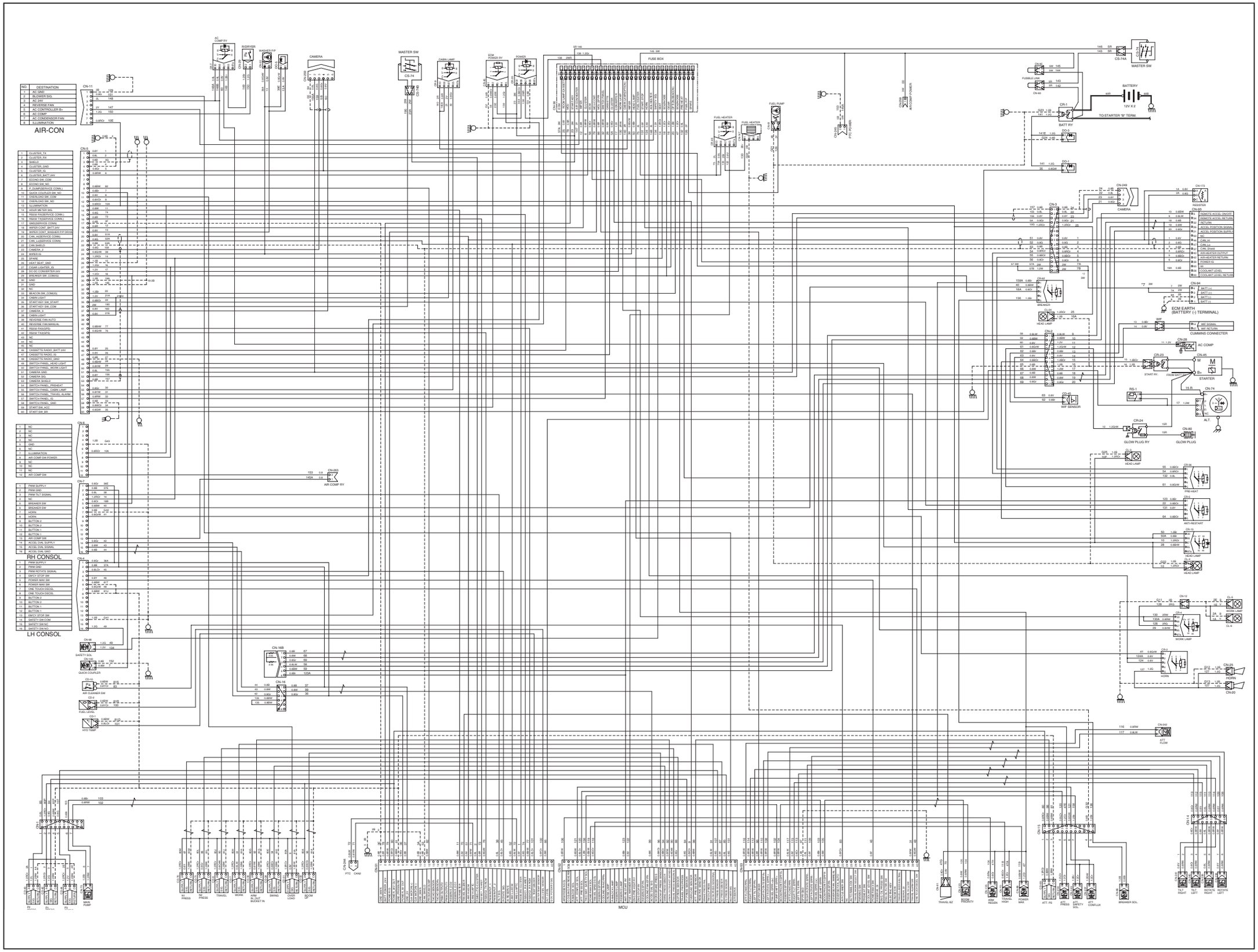


20Q5-08200(1/2)

R160/R180LC-9S(Cluster type 2, #0001~)

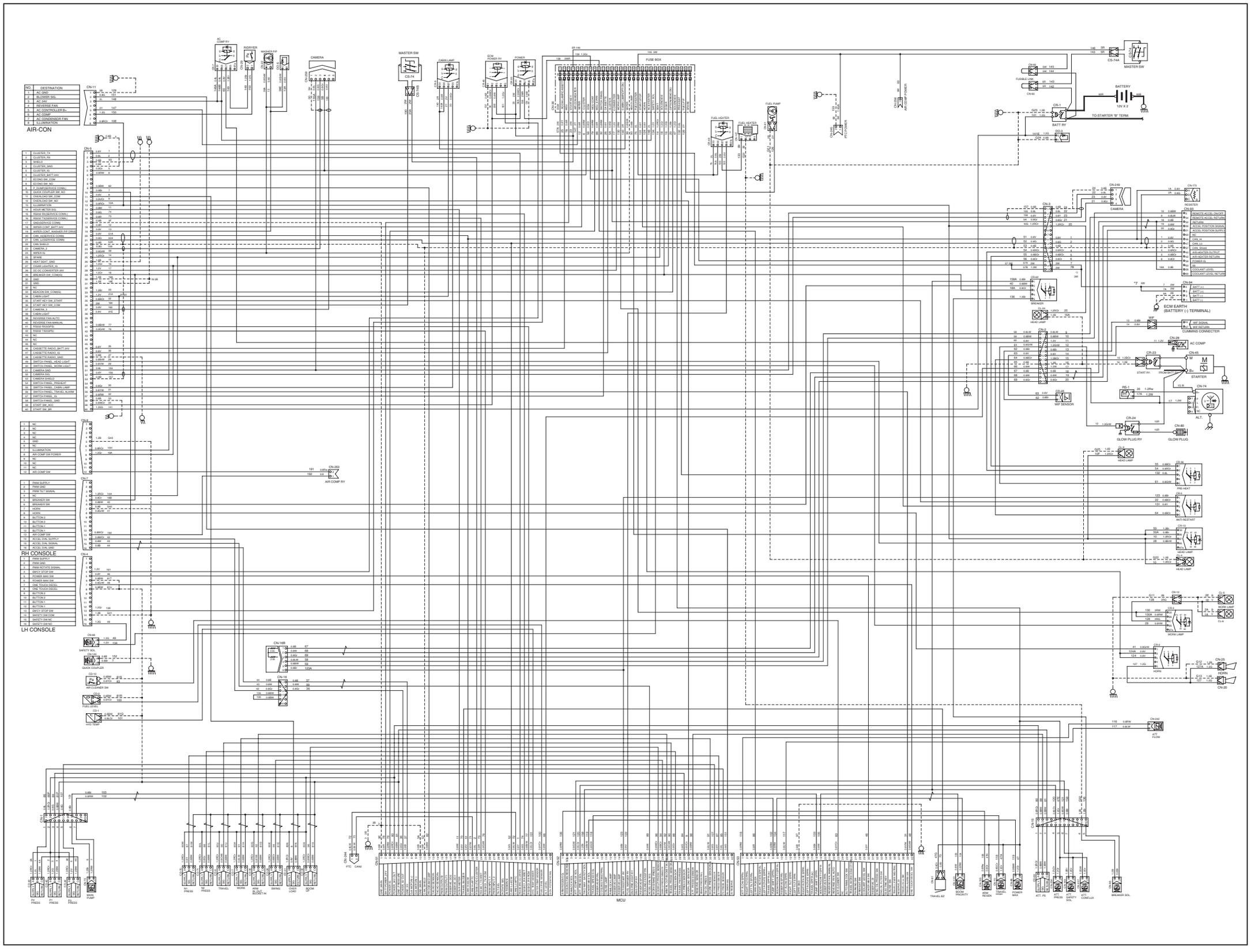


20Q5-08200(2/2)

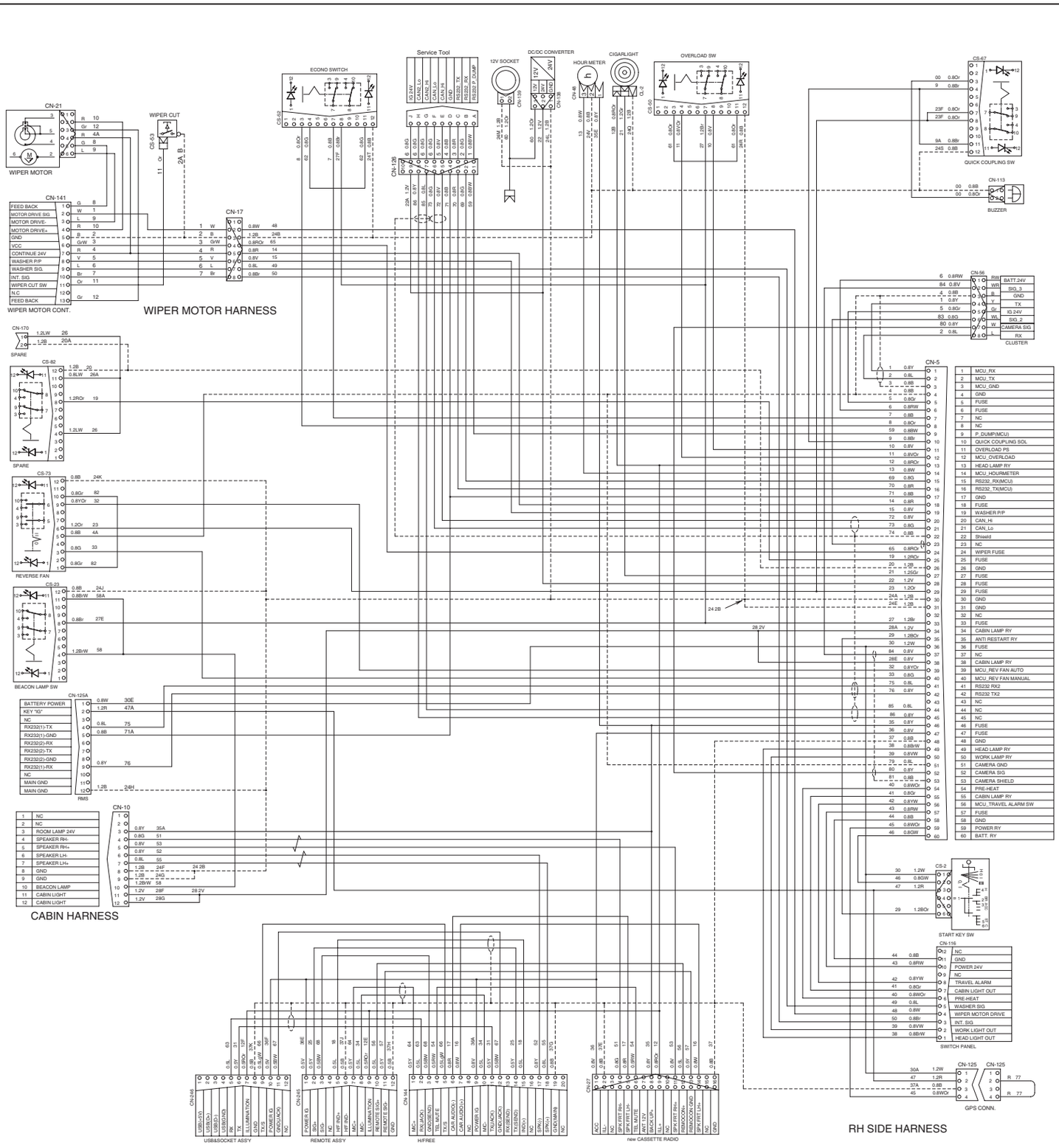


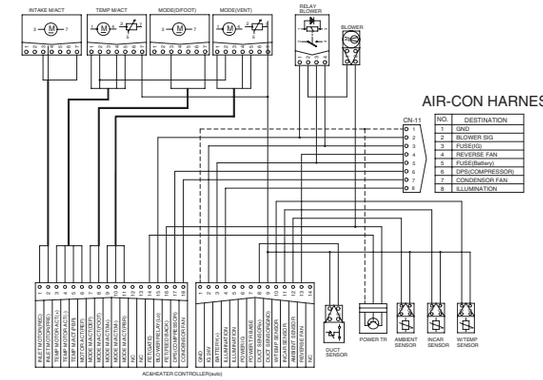
20Q6-07109-01(1/2)

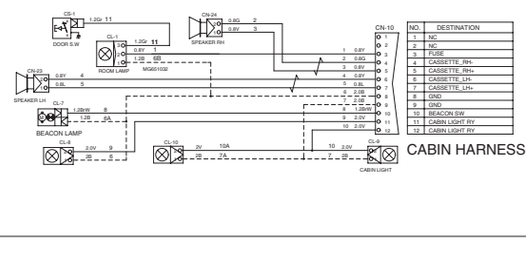
R210LC-9(CURRENT)

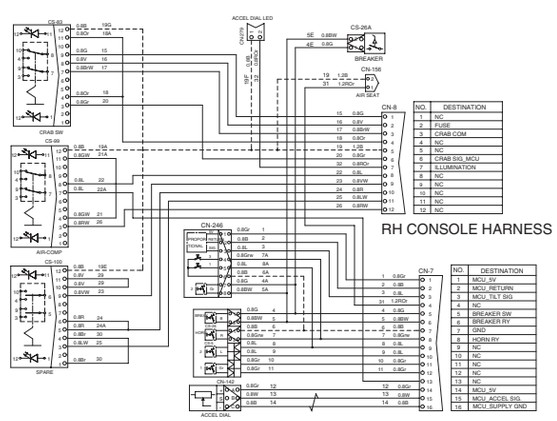


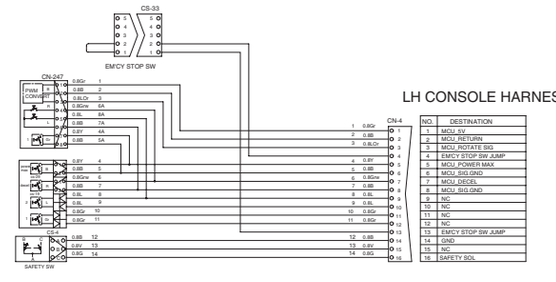
20Q6-07109-02(1/2)





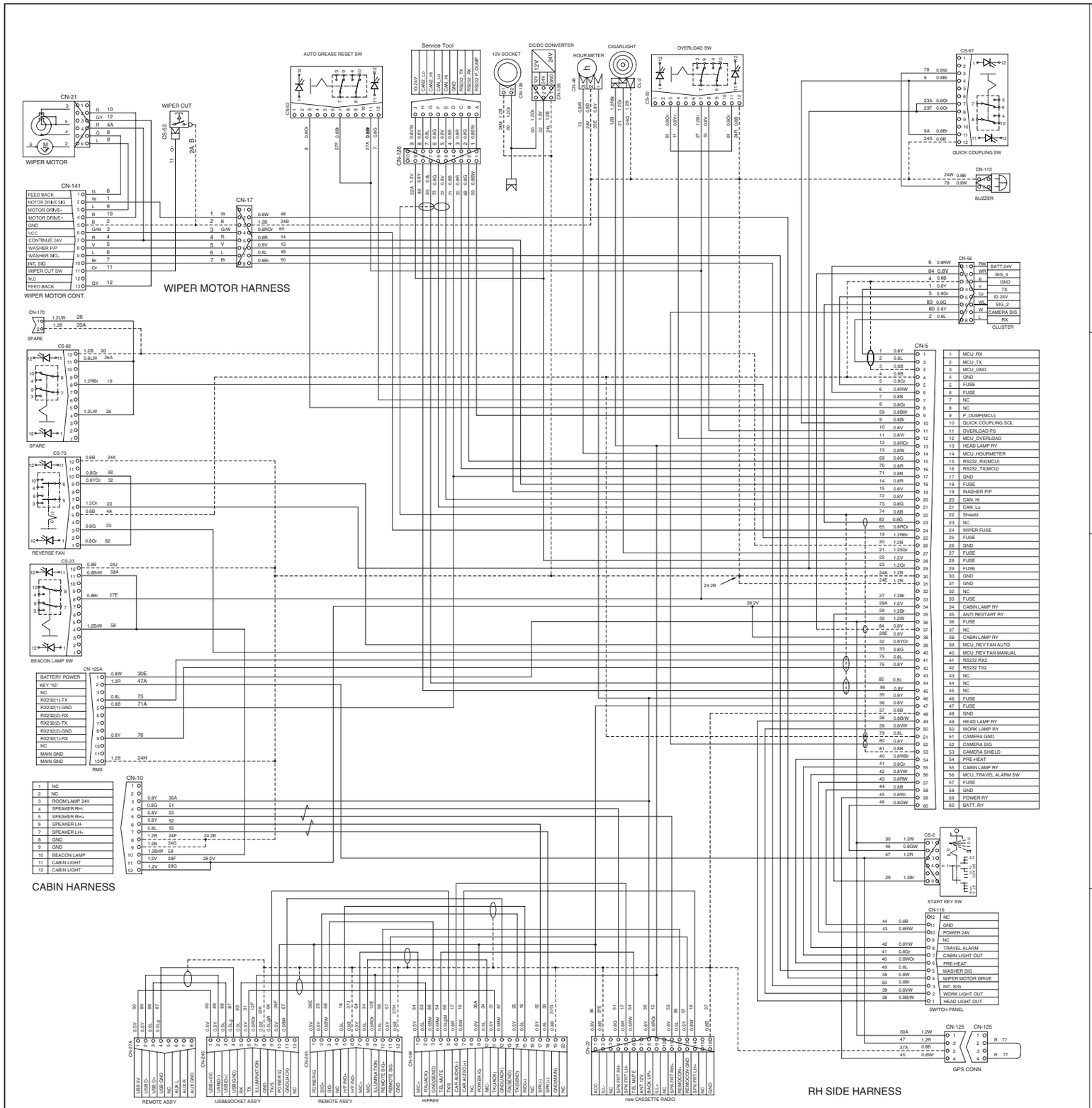


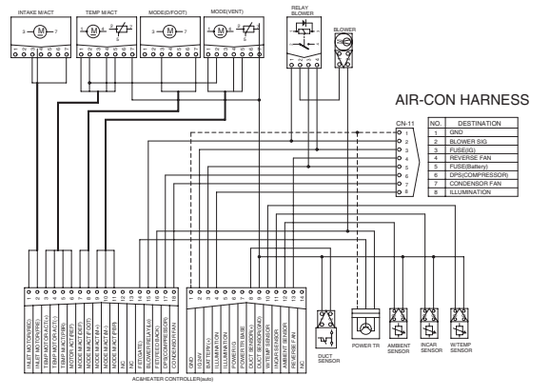




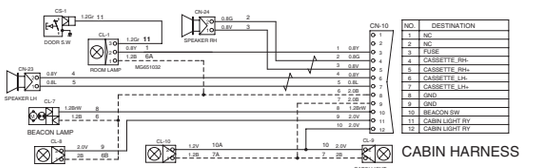
20Q6-07110-01(2/2)

R210LC-9(CURRENT)

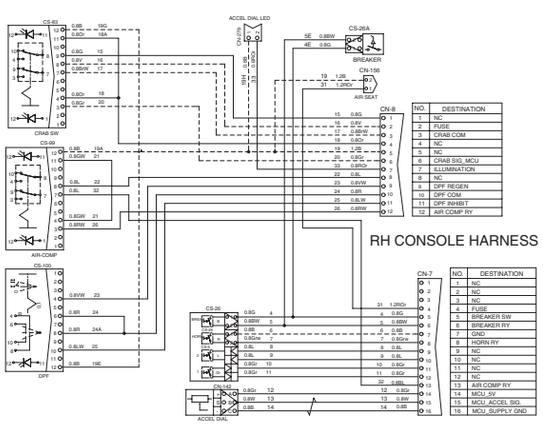




NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

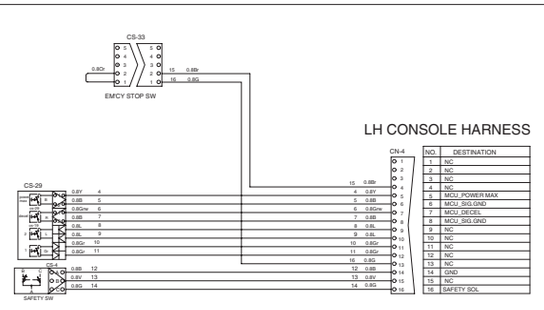


NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

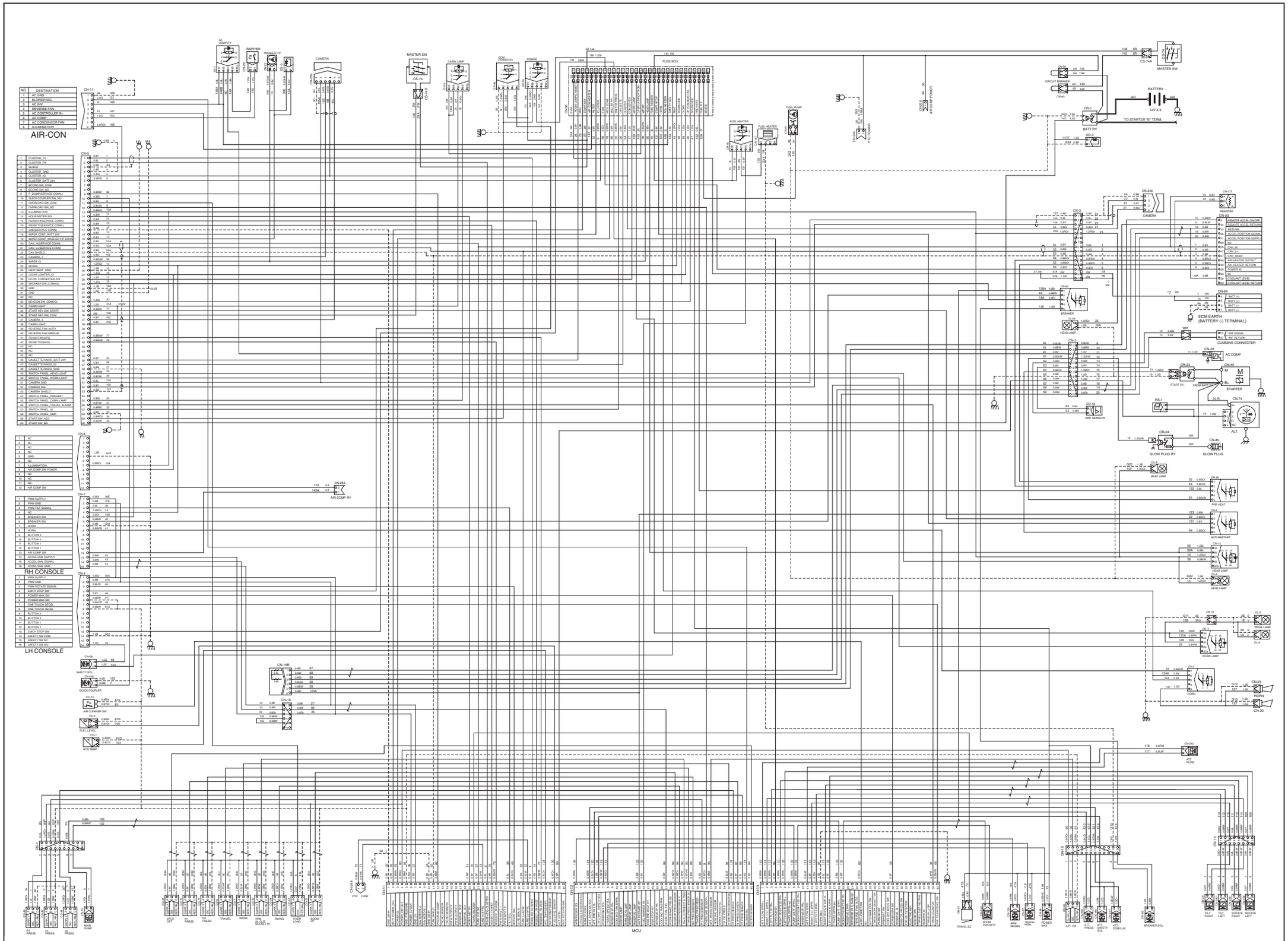


NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG
16	MCU_SUPPLY GND

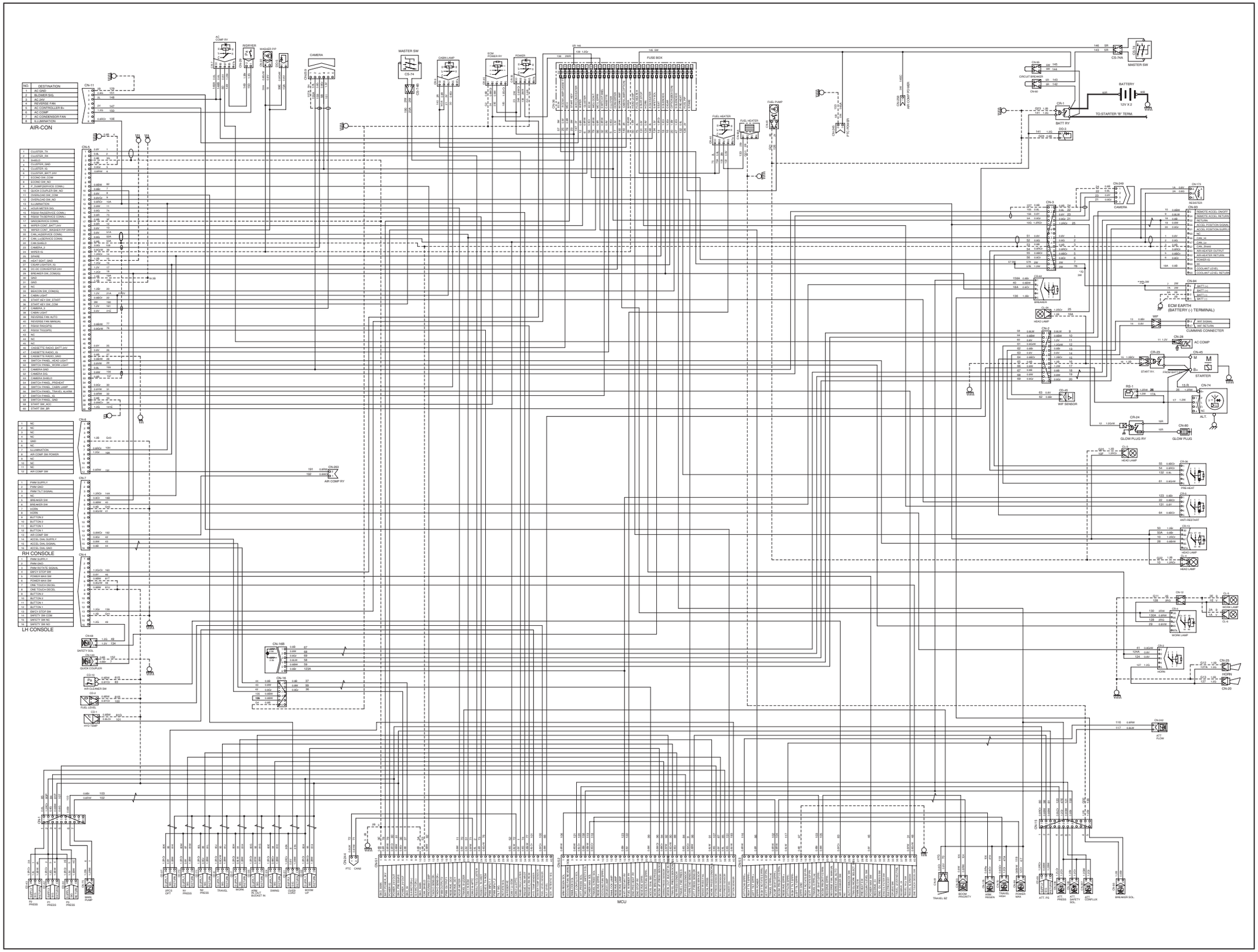


NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

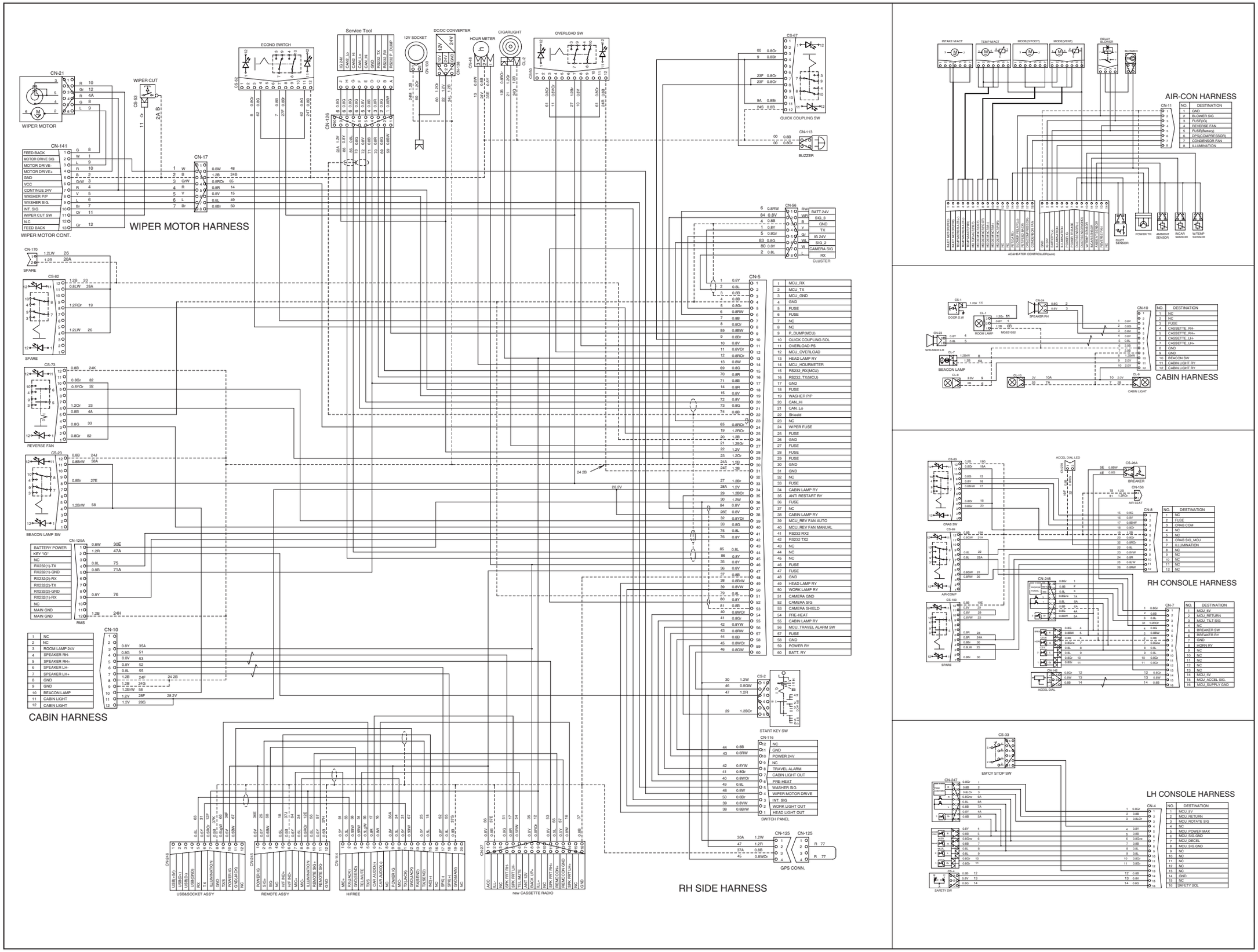


20Q6-09400-01(1/2)

R210NLC-9(CURRENT)



20Q6-09400-02(1/2)



CN-5	
1	MCU_RX
2	MCU_TX
3	MCU_GND
4	GND
5	FUSE
6	FUSE
7	NC
8	NC
9	P_DUMP(MCU)
10	QUICK COUPLING SOL
11	OVERLOAD PS
12	MCU_OVERLOAD
13	HEAD LAMP RY
14	MCU_HOURMETER
15	RS232_RX(MCU)
16	RS232_TX(MCU)
17	GND
18	FUSE
19	WASHER P/P
20	CAN_HI
21	CAN_Lo
22	Shield
23	NC
24	WIPER FUSE
25	FUSE
26	GND
27	FUSE
28	FUSE
29	FUSE
30	GND
31	GND
32	NC
33	FUSE
34	CABIN LAMP RY
35	ANTI RESTART RY
36	FUSE
37	NC
38	CABIN LAMP RY
39	MCU_REV FAN AUTO
40	MCU_REV FAN MANUAL
41	RS232 RX2
42	RS232 TX2
43	NC
44	NC
45	NC
46	FUSE
47	FUSE
48	GND
49	HEAD LAMP RY
50	WORK LAMP RY
51	CAMERA GND
52	CAMERA SIG
53	CAMERA SHIELD
54	PRE-HEAT
55	CABIN LAMP RY
56	MCU_TRAVEL ALARM SW
57	FUSE
58	GND
59	POWER RY
60	BATT. RY

CN-10	
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

CN-8	
1	NC
2	FUSE
3	CRAB COM
4	NC
4	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

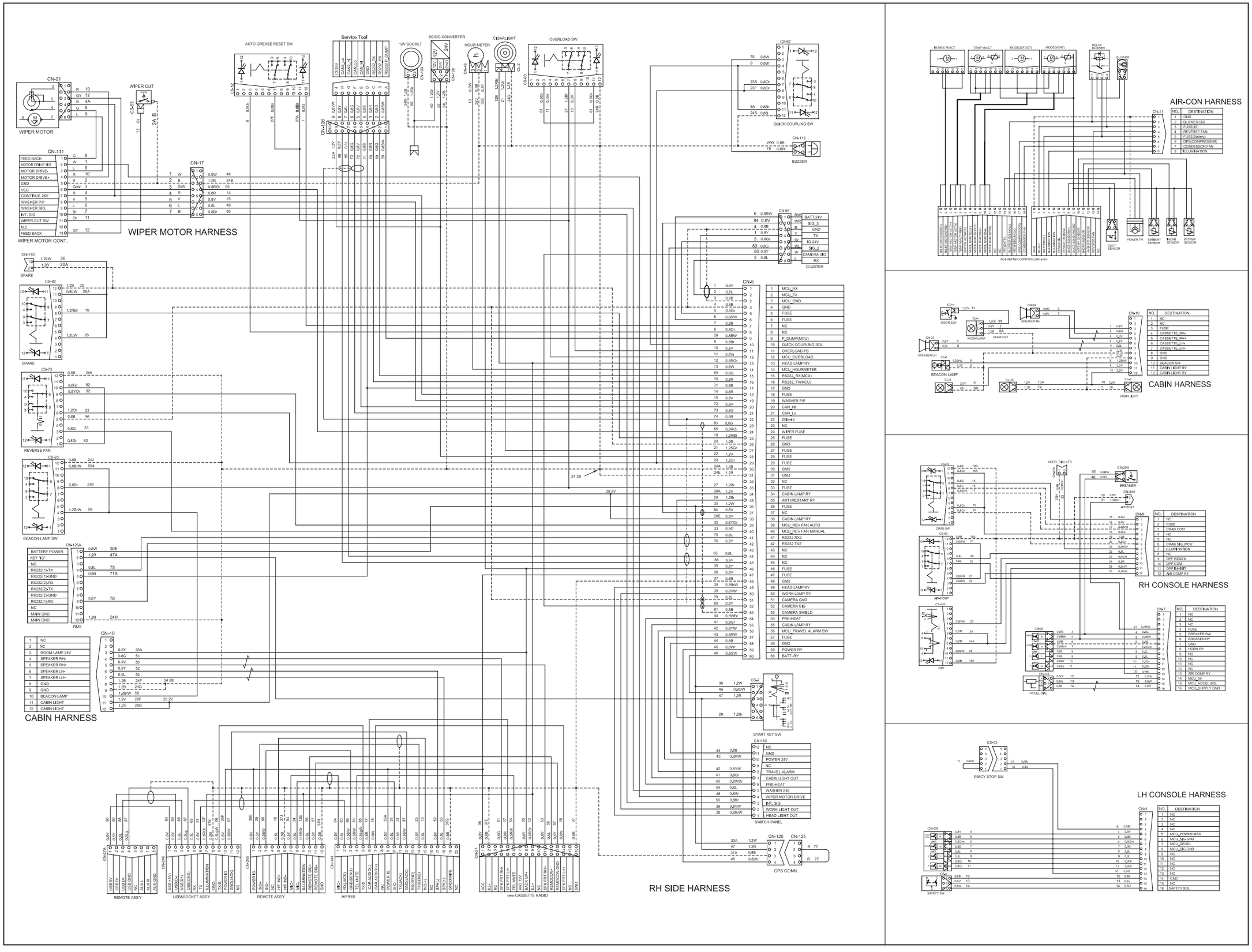
CN-7	
1	MCU_5V
2	MCU_RETURN
3	MCU_TILT SIG
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG
16	MCU_SUPPLY GND

CN-4	
1	MCU_5V
2	MCU_RETURN
3	MCU_ROTATE SIG
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

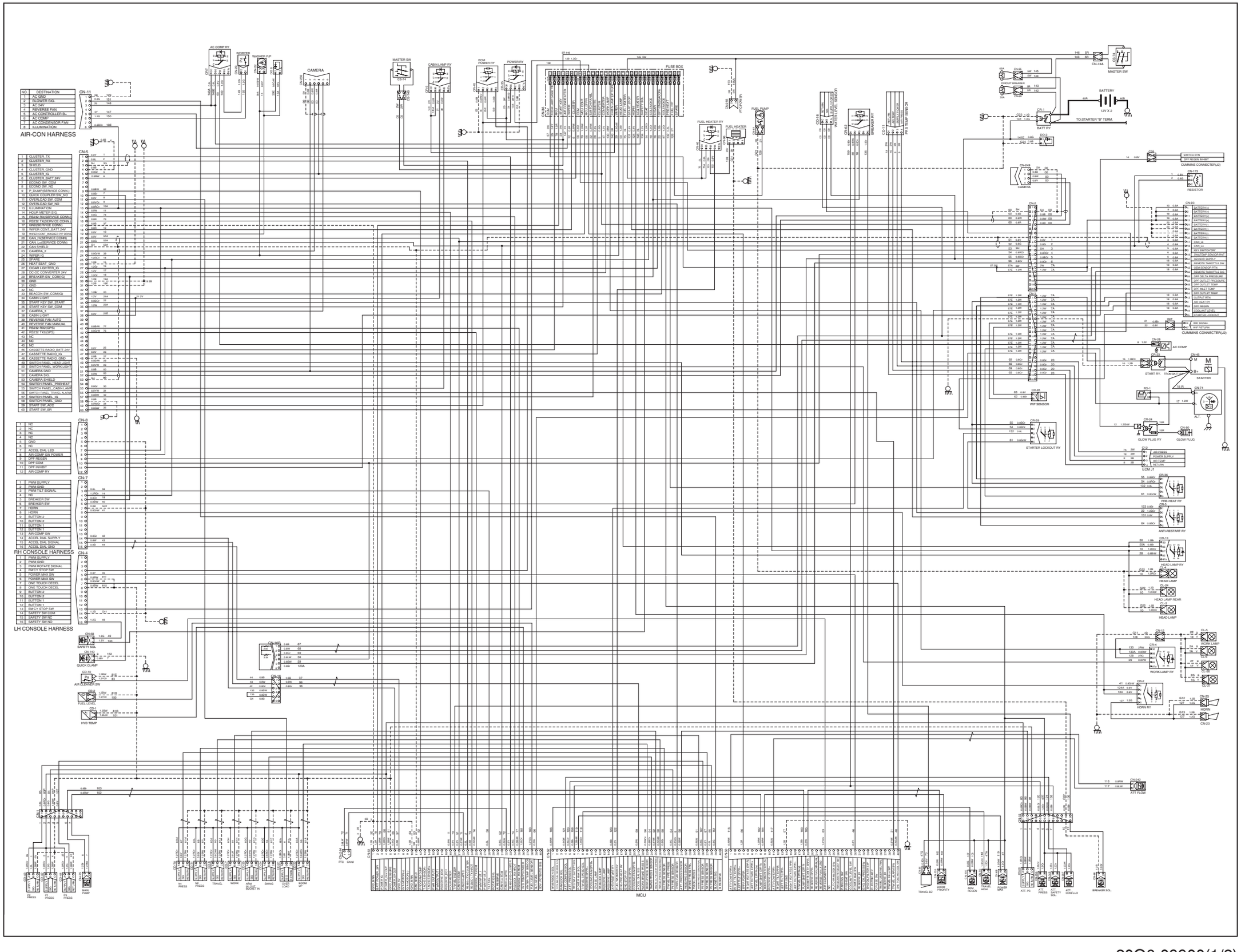
CN-11	
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS/COMPRESSOR
7	CONDENSOR FAN
8	ILLUMINATION

20Q6-09400-01(2/2)

R210NLC-9(CURRENT)

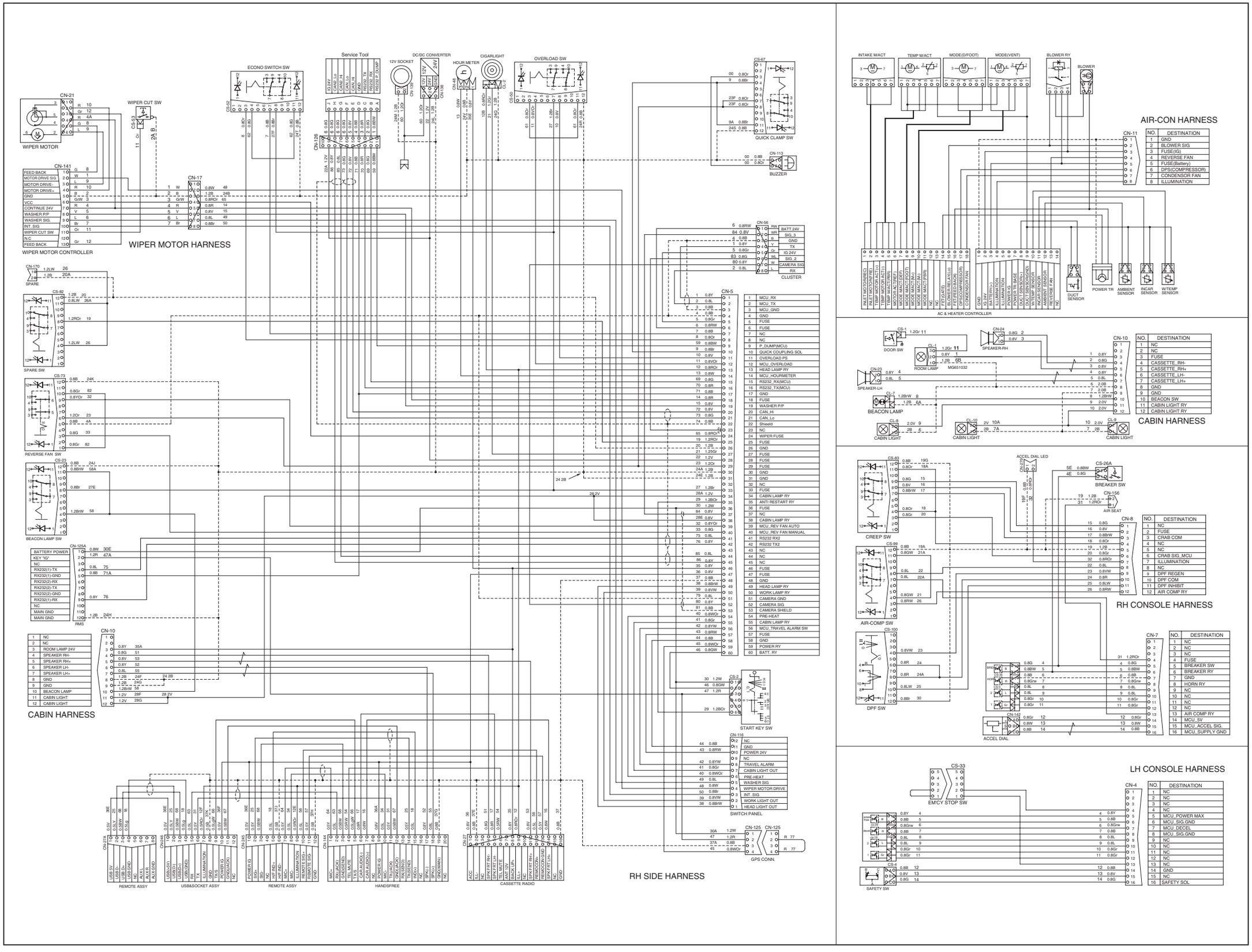


20Q6-09400-02(2/2)



20Q6-09900(1/2)

R220LC-9A(#0001~)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

CABIN HARNESS

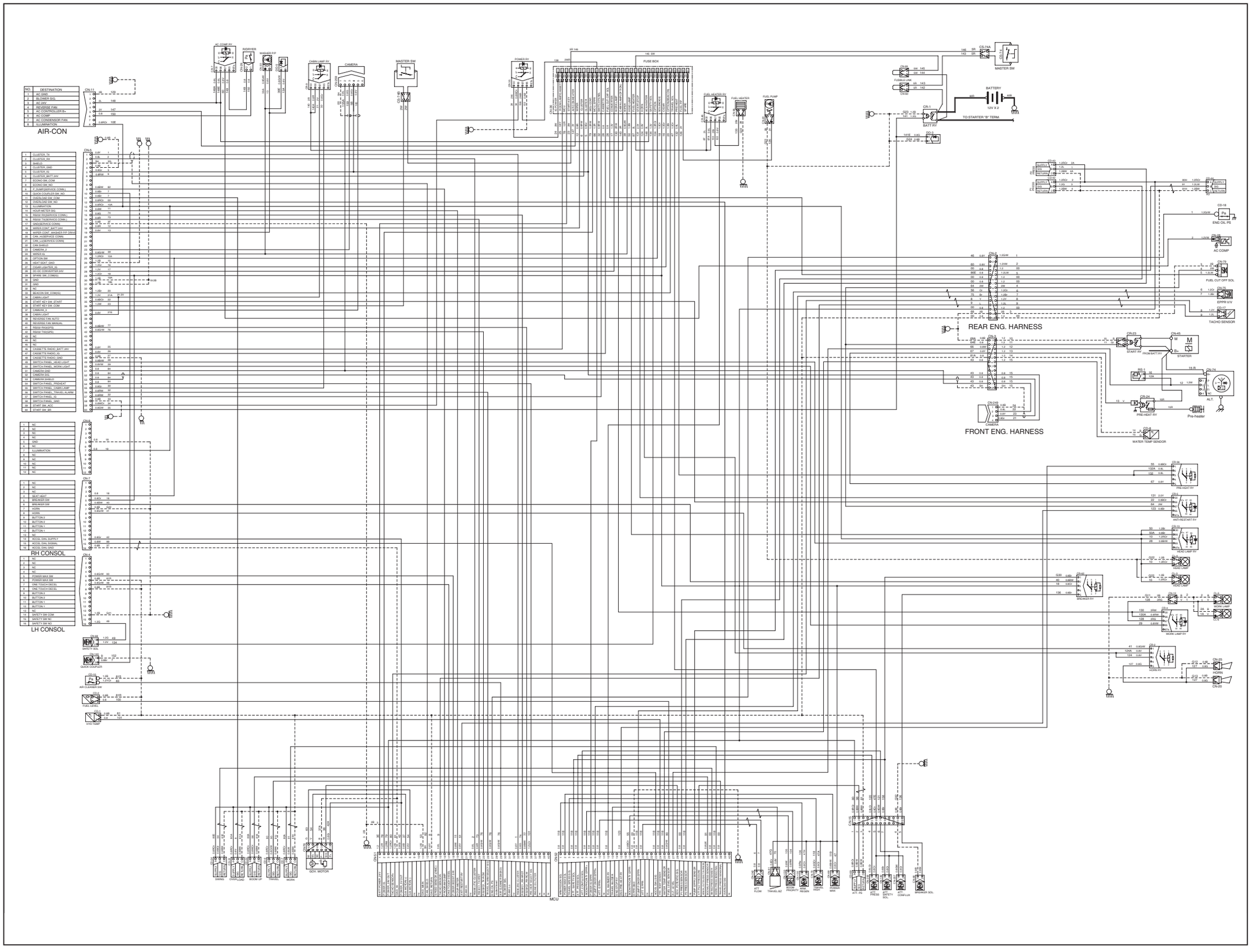
NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

RH CONSOLE HARNESS

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

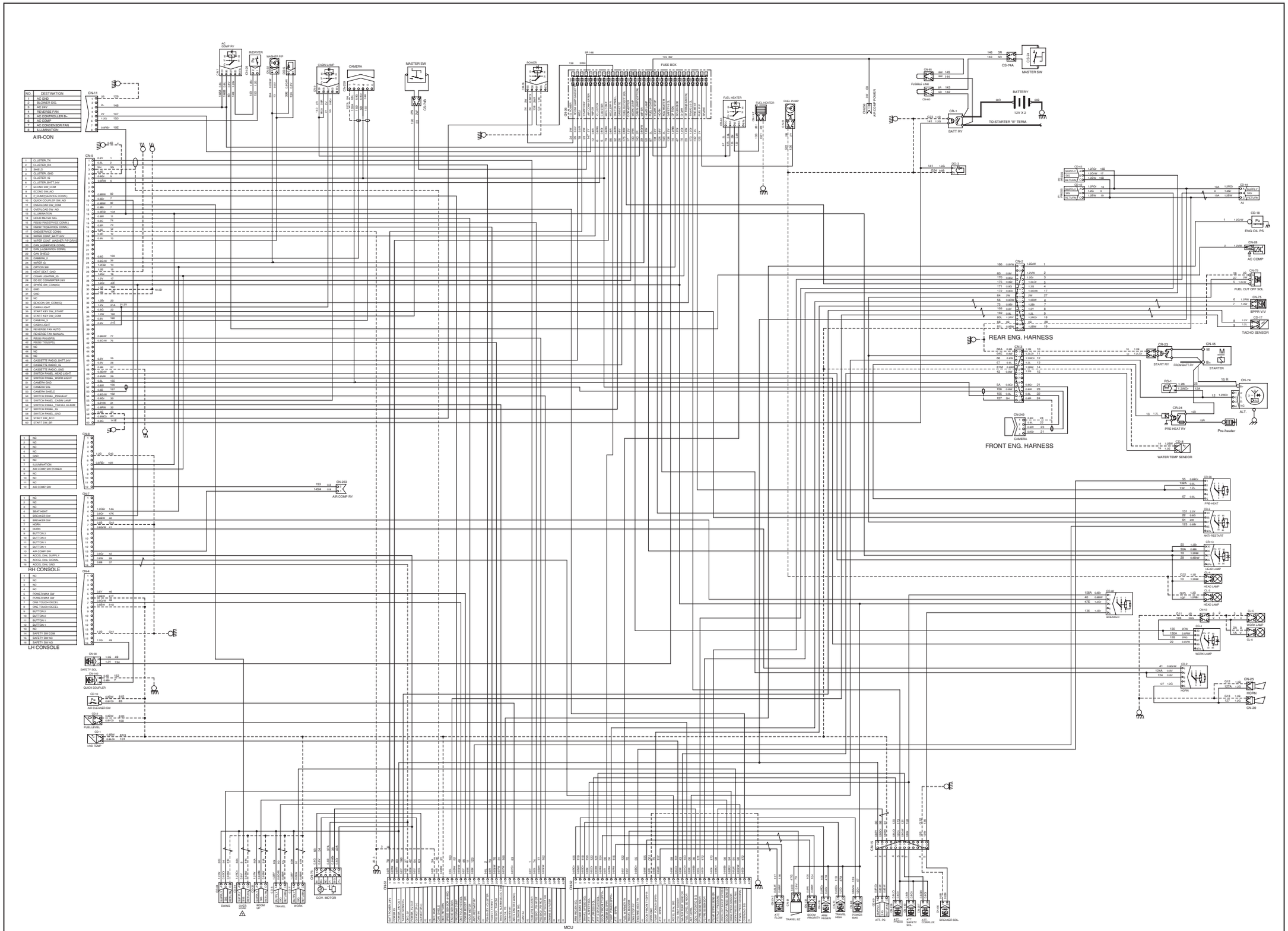
NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

LH CONSOLE HARNESS

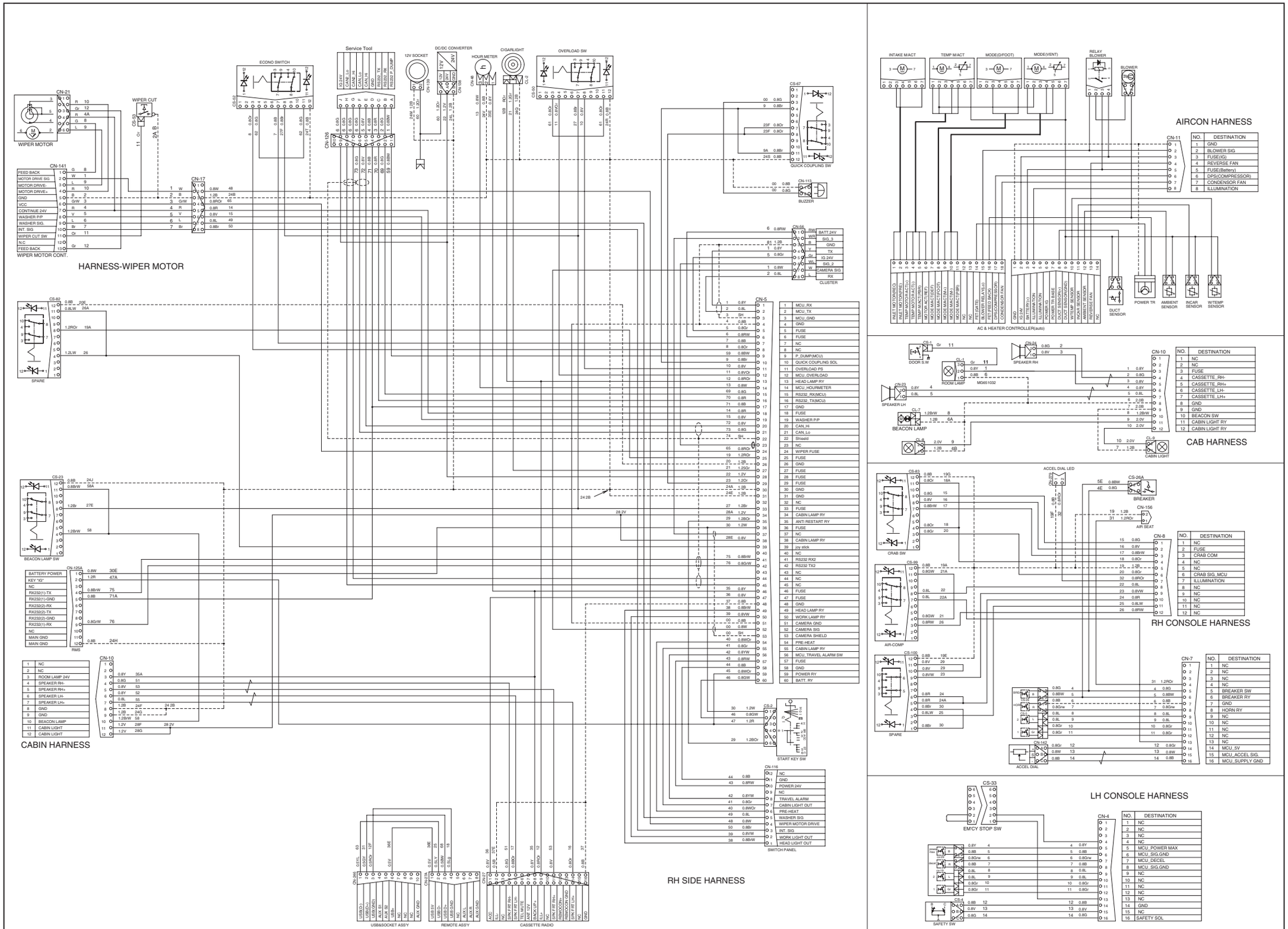


20Q6-08500(1/2)

R220LC-9S(Cluster type 1, CURRENT)



20Q6-08502(1/2)



1	MCU_RX
2	MCU_TX
3	MCU_GND
4	GND
5	FUSE
6	FUSE
7	NC
8	NC
9	P_DUMP(MCU)
10	QUICK COUPLING SOL
11	OVERLOAD PS
12	MCU_OVERLOAD
13	HEAD LAMP RY
14	MCU_HOURMETER
15	RS232_RX(MCU)
16	RS232_TX(MCU)
17	GND
18	FUSE
19	WASHER P/P
20	CAN_Hi
21	CAN_Lo
22	Shield
23	NC
24	WIPER FUSE
25	FUSE
26	GND
27	FUSE
28	FUSE
29	FUSE
30	GND
31	GND
32	NC
33	FUSE
34	CABIN LAMP RY
35	ANTI RESTART RY
36	FUSE
37	NC
38	CABIN LAMP RY
39	joy stick
40	NC
41	RS232 RX2
42	RS232 TX2
43	NC
44	NC
45	NC
46	FUSE
47	FUSE
48	GND
49	HEAD LAMP RY
50	WORK LAMP RY
51	CAMERA GND
52	CAMERA SIG
53	CAMERA SHIELD
54	PRE-HEAT
55	CABIN LAMP RY
56	MCU_TRAVEL ALARM SW
57	FUSE
58	GND
59	POWER RY
60	BATT. RY

NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG.,MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

1	NC
2	NC
3	ROOM LAMP 24V
4	SPEAKER RH-
5	SPEAKER RH+
6	SPEAKER LH-
7	SPEAKER LH+
8	GND
9	GND
10	BEACON LAMP
11	CABIN LIGHT
12	CABIN LIGHT

BATTERY POWER
KEY "IG"
NC
RX232(1)-TX
RX232(1)-GND
RX232(2)-RX
RX232(2)-TX
RX232(2)-GND
RX232(1)-RX
NC
MAIN GND
MAIN GND

FEED BACK
MOTOR DRIVE SIG
MOTOR DRIVE-
MOTOR DRIVE+
GND
VCC
CONTINUE 24V
WASHER P/P
WASHER SIG.
INT. SIG
WIPER CUT SW
N.C
FEED BACK

BATT.24V
SIG_3
GND
TX
IG 24V
SIG_2
CAMERA SIG
RX

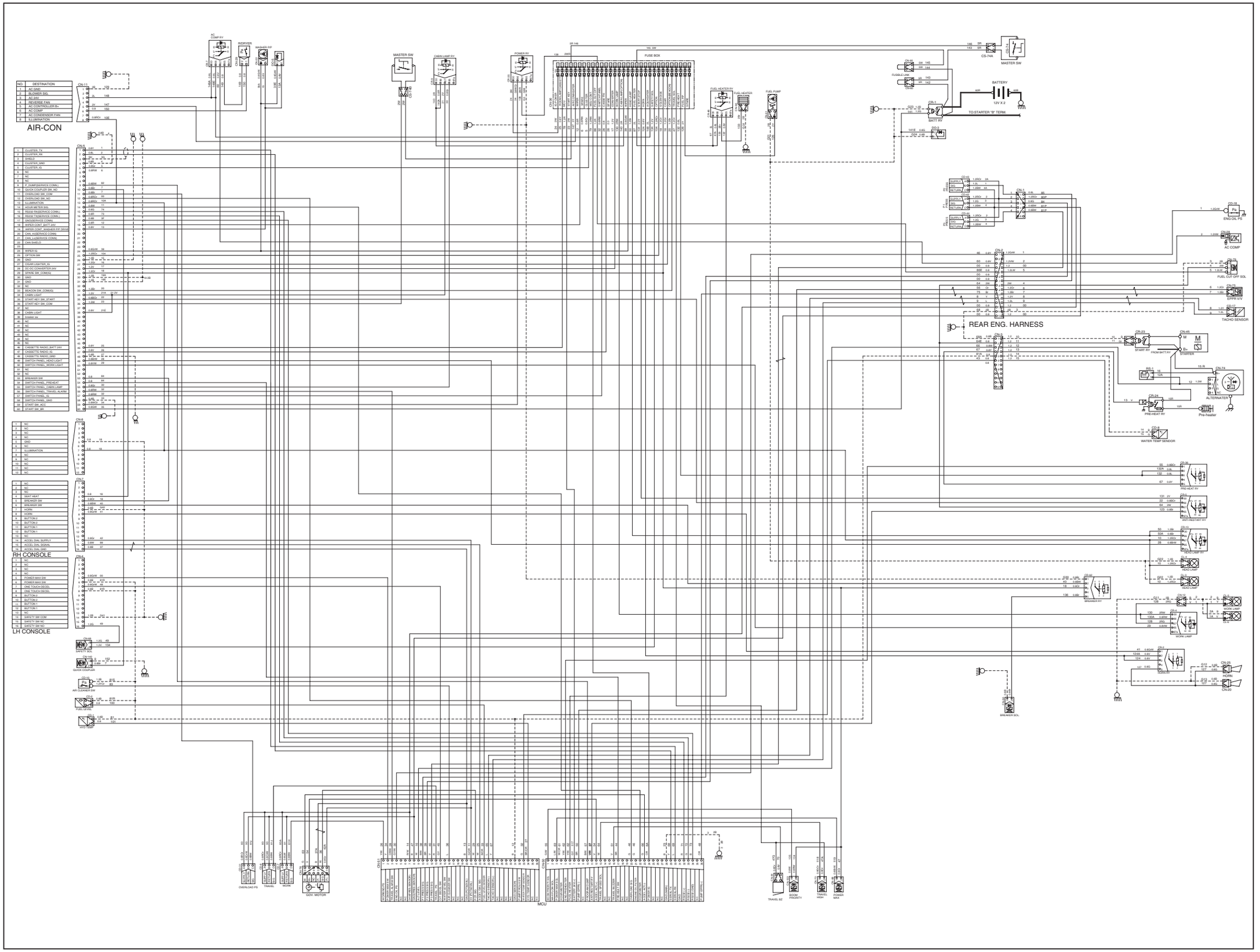
INLET MOTOR(REC)
INLET MOTOR(FRE)
TEMP MOTOR ACT(+)
TEMP MOTOR ACT(-)
MOTOR ACT(REF)
MODE MACT(DEF)
MODE MACT(VENT)
MODE MACT(FOOT)
MODE MACT(BI)
NC
NC
FET GATE
BLOWER RELAY(Lo)
FET (FREE) BIAS
BLOWER RELAY(Hi)
CONDENSOR FAN

GND
IG 24V
BATTERY(+)
ILLUMINATION
ILLUMINATION
POWER SIG
DUCT SENSOR
DUCT SENSOR(+)
DUCT SENSOR(GND)
W/TEMP SENSOR
INCAR SENSOR
AMBIENT SENSOR
REVERSE FAN
NC

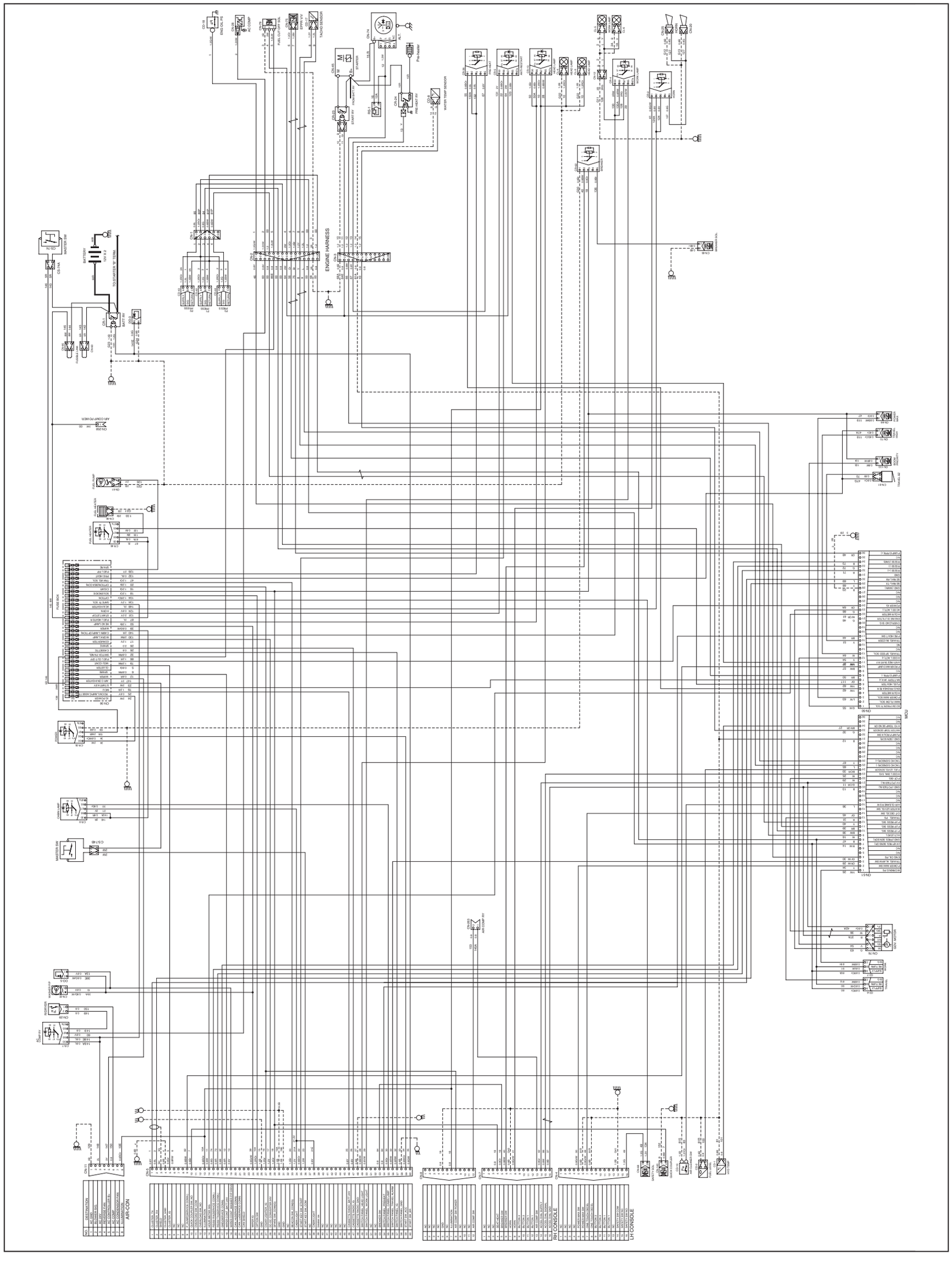
1	MCU_RX
2	MCU_TX
3	MCU_GND
4	GND
5	FUSE
6	FUSE
7	NC
8	NC
9	P_DUMP(MCU)
10	QUICK COUPLING SOL
11	OVERLOAD PS
12	MCU_OVERLOAD
13	HEAD LAMP RY
14	MCU_HOURMETER
15	RS232_RX(MCU)
16	RS232_TX(MCU)
17	GND
18	FUSE
19	WASHER P/P
20	CAN_Hi
21	CAN_Lo
22	Shield
23	NC
24	WIPER FUSE
25	FUSE
26	GND
27	FUSE
28	FUSE
29	FUSE
30	GND
31	GND
32	NC
33	FUSE
34	CABIN LAMP RY
35	ANTI RESTART RY
36	FUSE
37	NC
38	CABIN LAMP RY
39	joy stick
40	NC
41	RS232 RX2
42	RS232 TX2
43	NC
44	NC
45	NC
46	FUSE
47	FUSE
48	GND
49	HEAD LAMP RY
50	WORK LAMP RY
51	CAMERA GND
52	CAMERA SIG
53	CAMERA SHIELD
54	PRE-HEAT
55	CABIN LAMP RY
56	MCU_TRAVEL ALARM SW
57	FUSE
58	GND
59	POWER RY
60	BATT. RY

NC
GND
POWER 24V
NC
TRAVEL ALARM
CABIN LIGHT OUT
PRE-HEAT
WASHER SIG
WIPER MOTOR DRIVE
INT. SIG
WORK LIGHT OUT
HEAD LIGHT OUT

R220LC-9S(Cluster type 2, OLD)

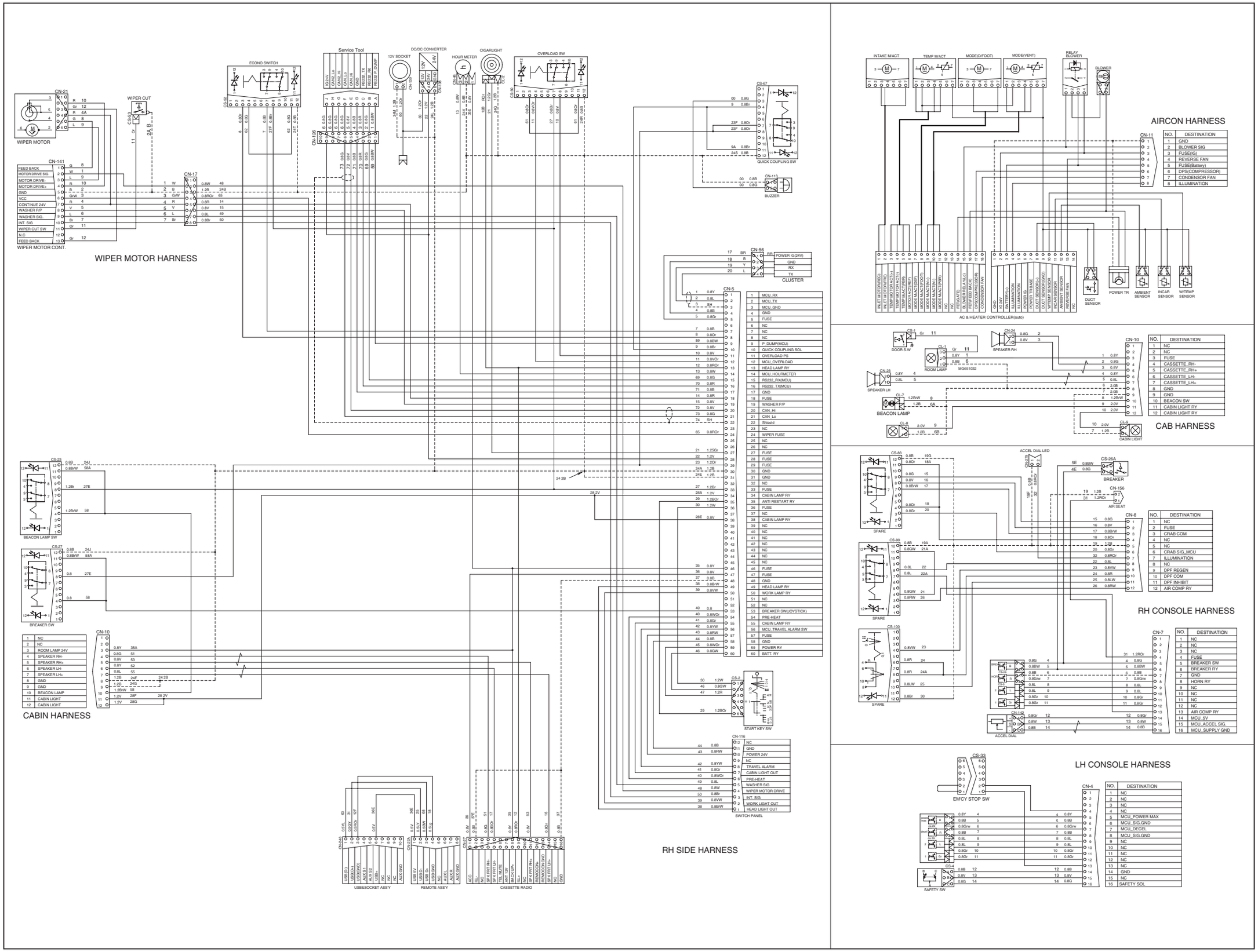


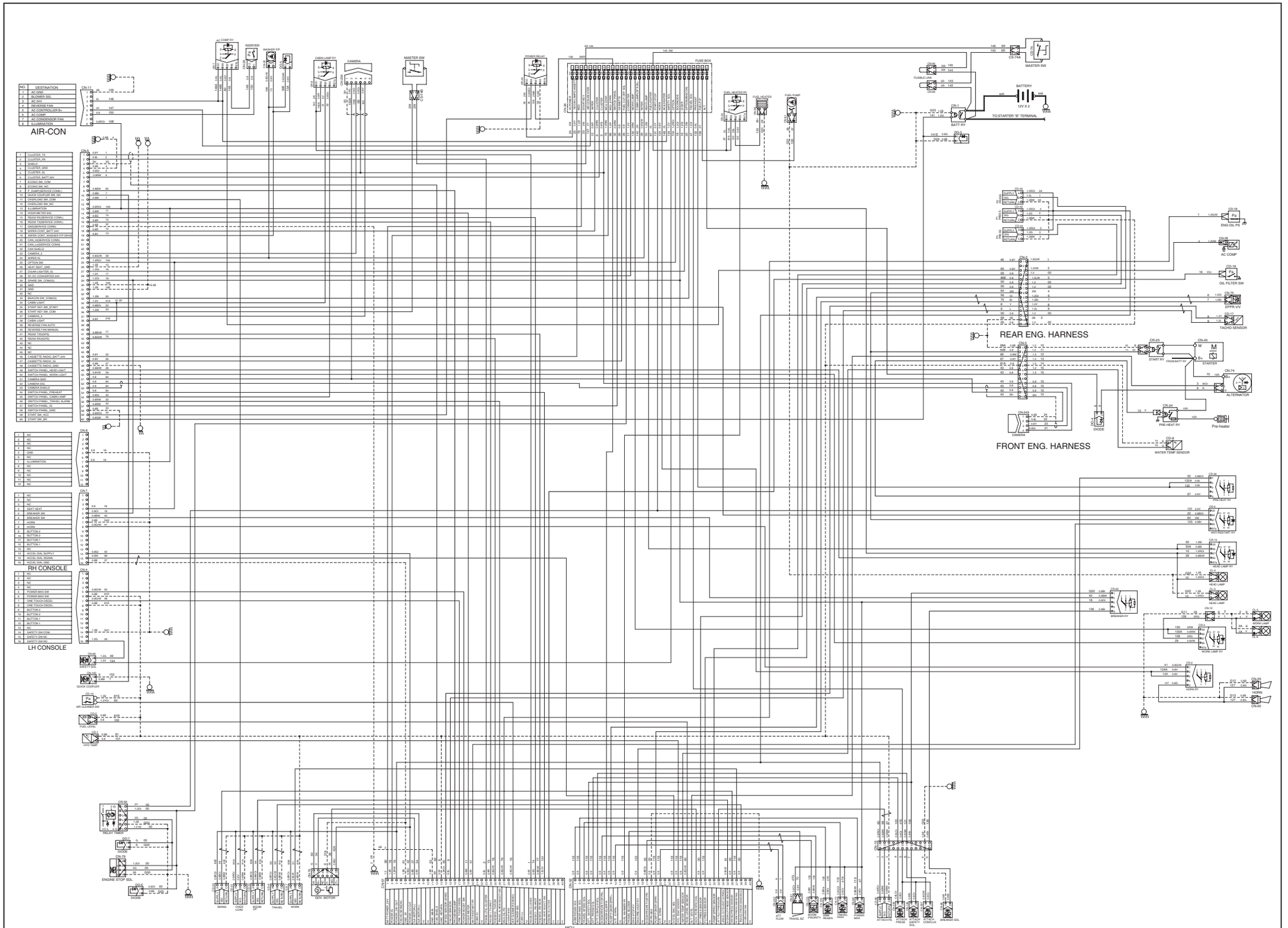
20Q6-16100(1/2)



■ R220LC-9S(Cluster type 2, CURRENT)

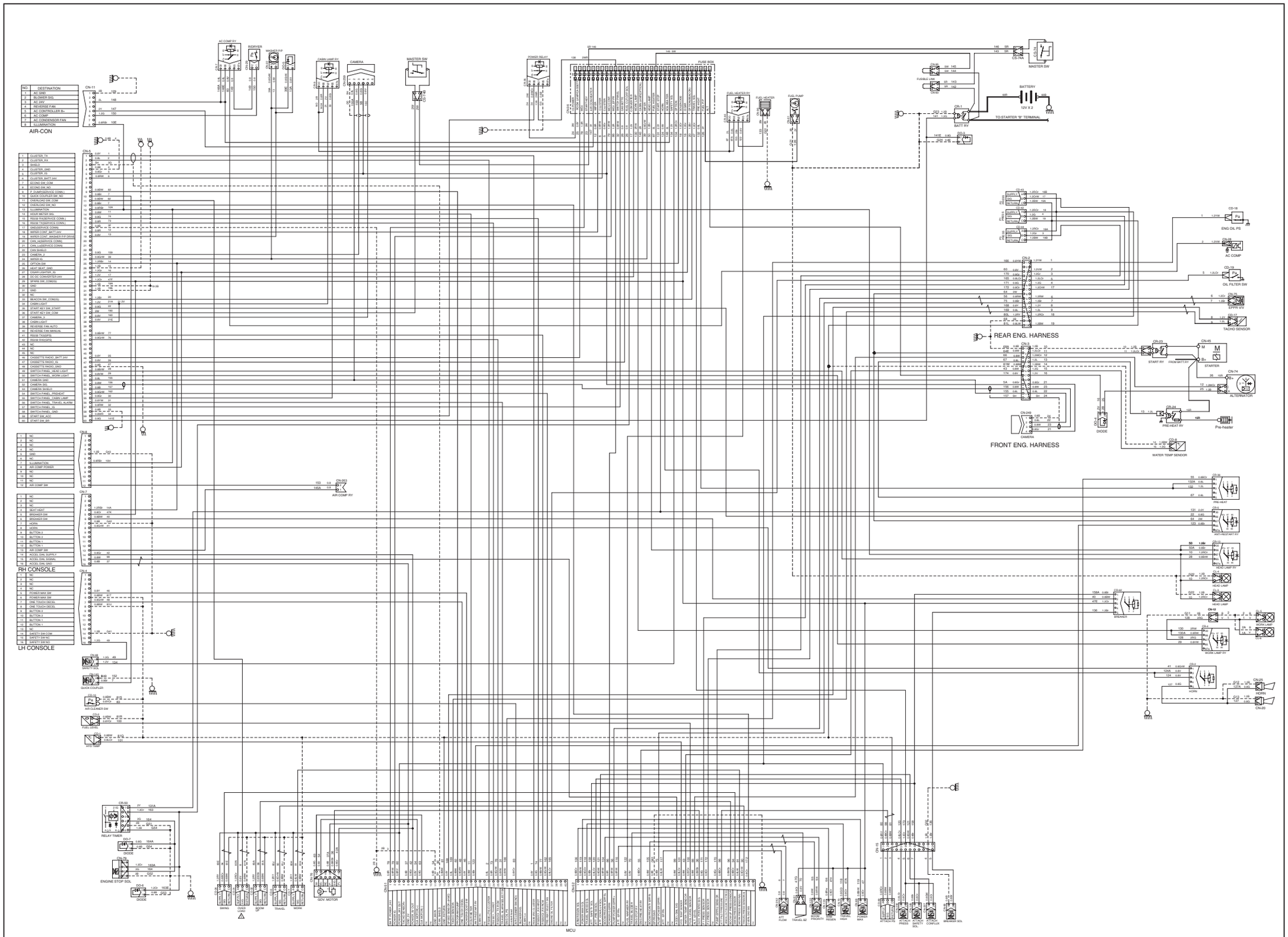
R220LC-9S(Cluster type 2, #0001~)



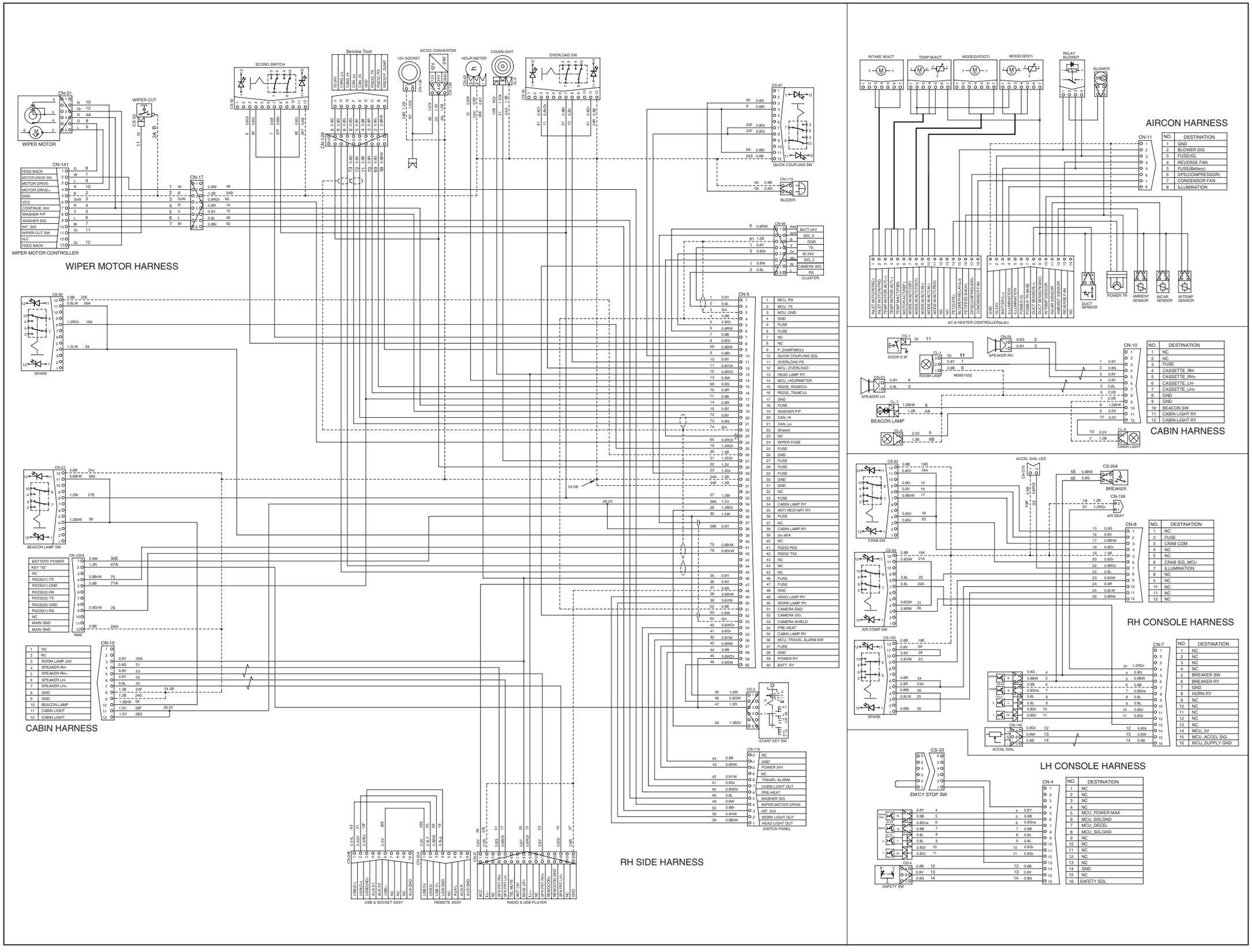


20Q6-08600(1/2)

R220LC-9SH(Cluster type 1, CURRENT)



20Q6-08602(1/2)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

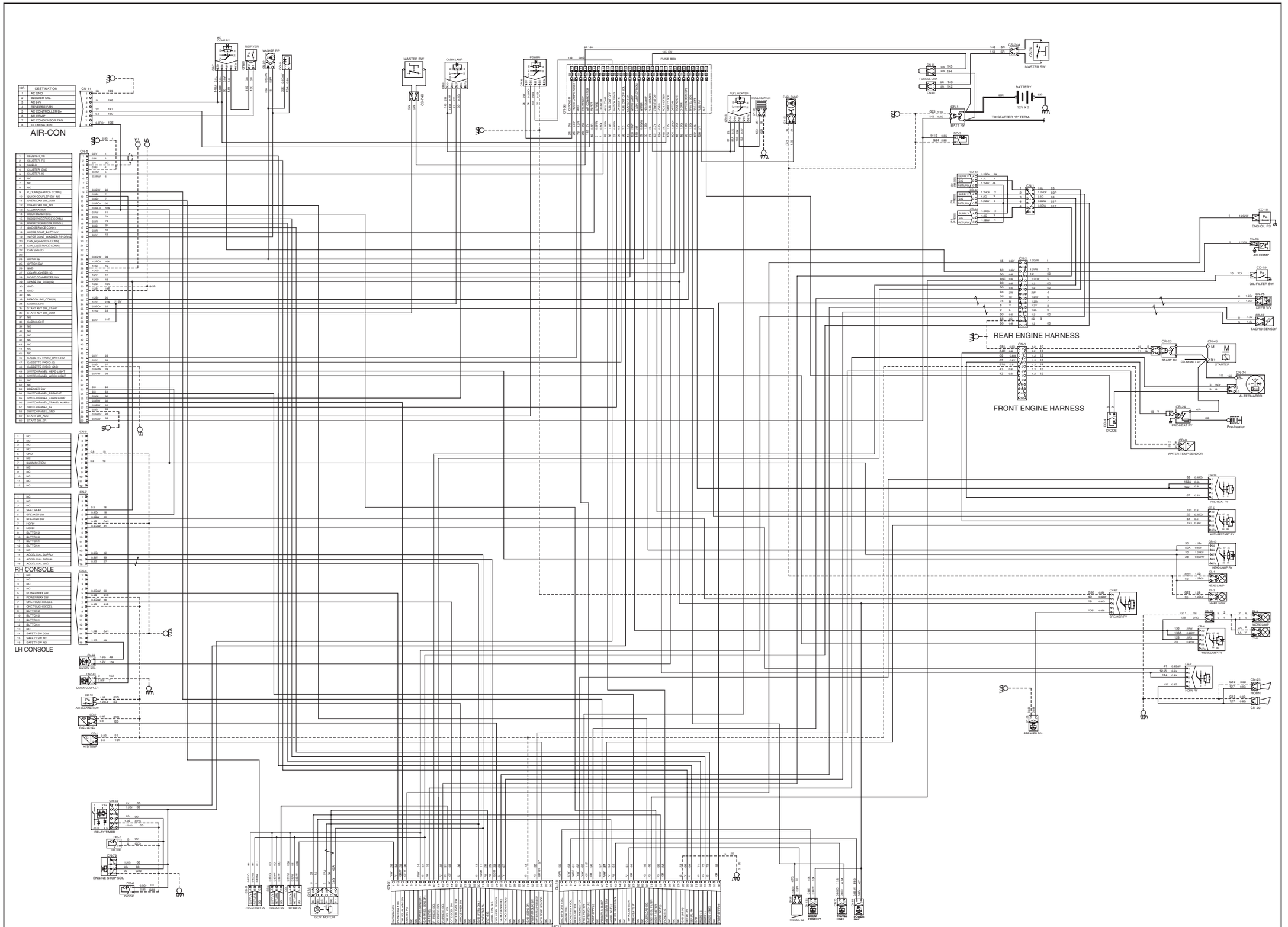
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

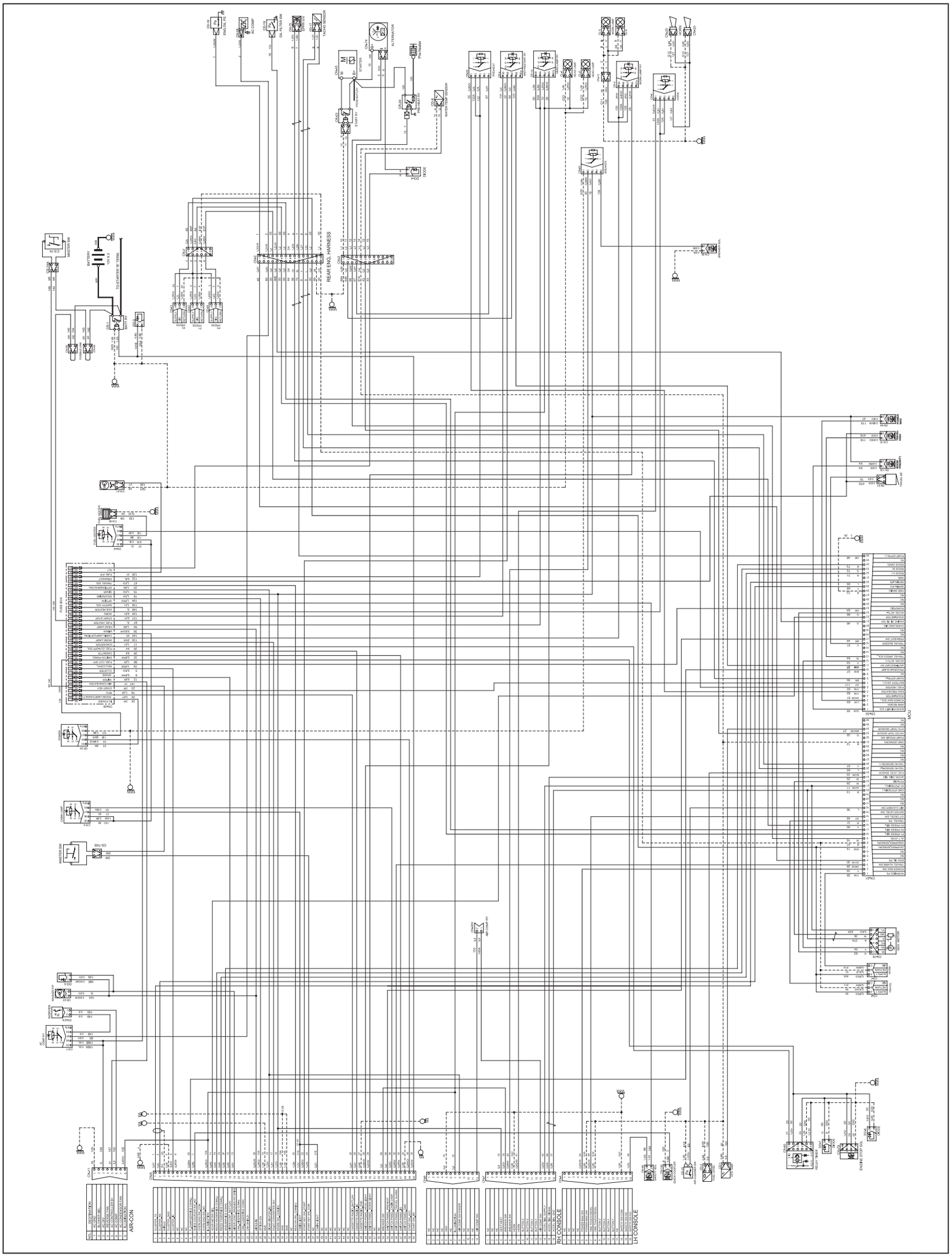
NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R220LC-9SH(Cluster type 2, OLD)

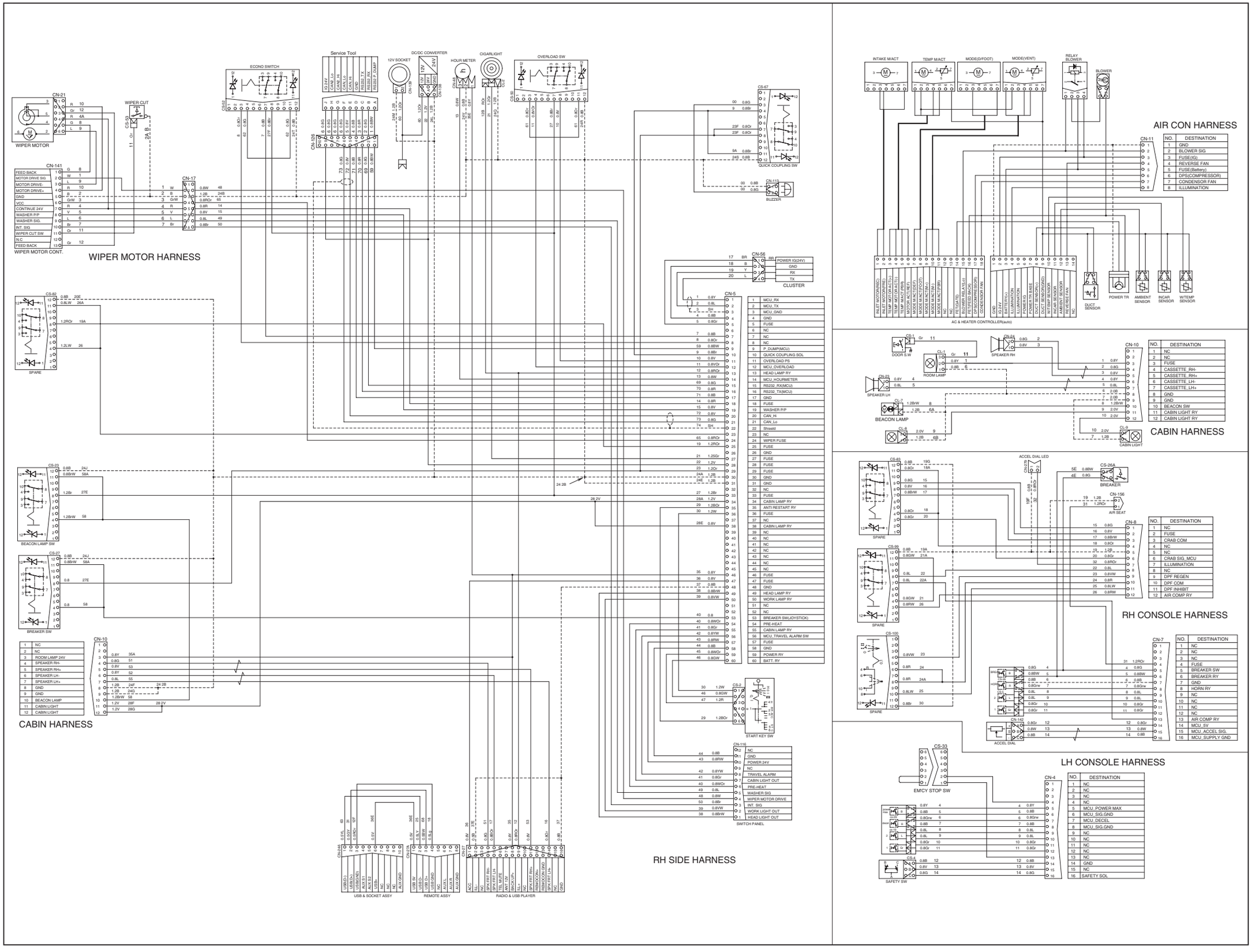


20Q6-17100(1/2)

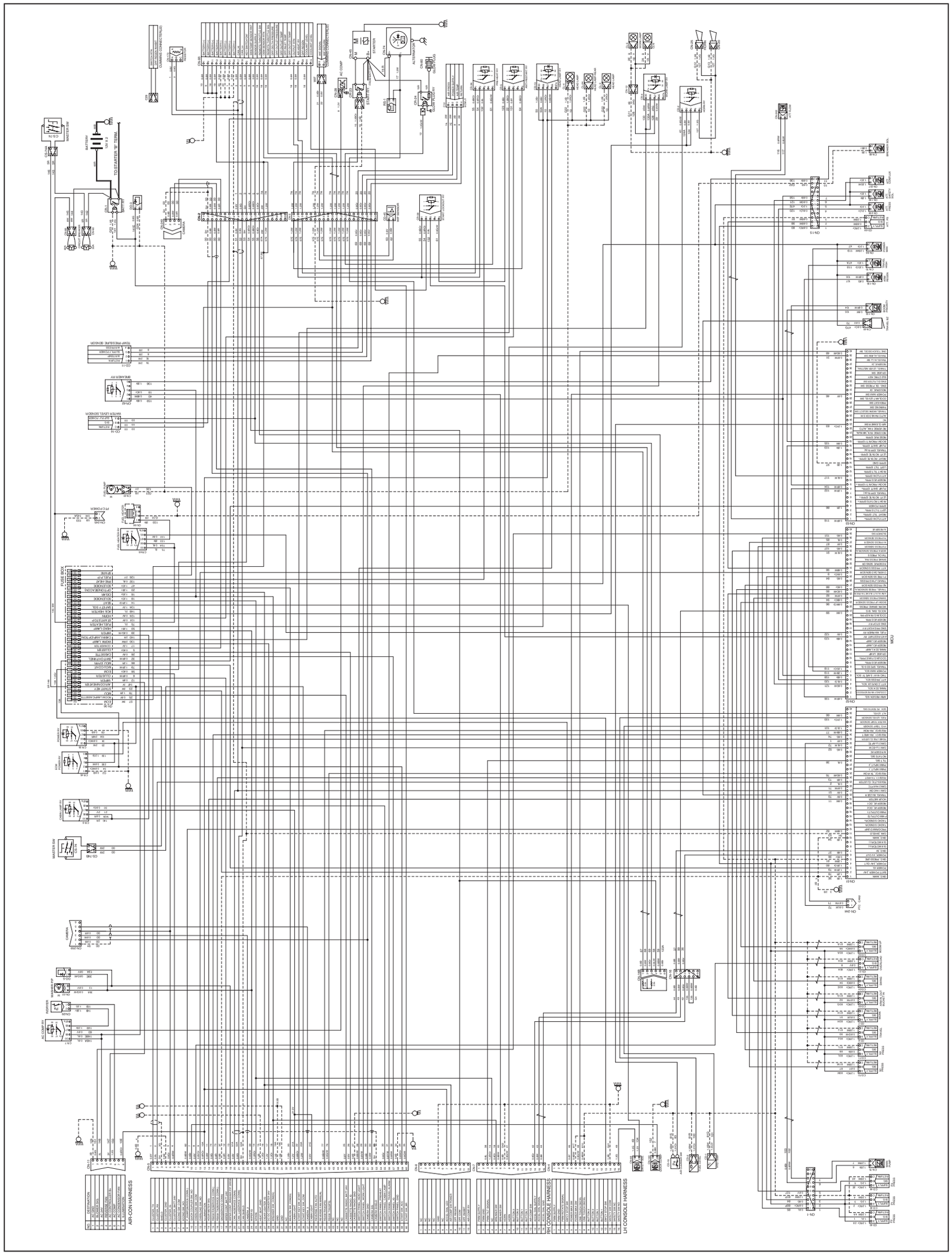


■ R220LC-9SH(Cluster type 2, CURRENT)

R220LC-9SH(Cluster type 2, #0001~)

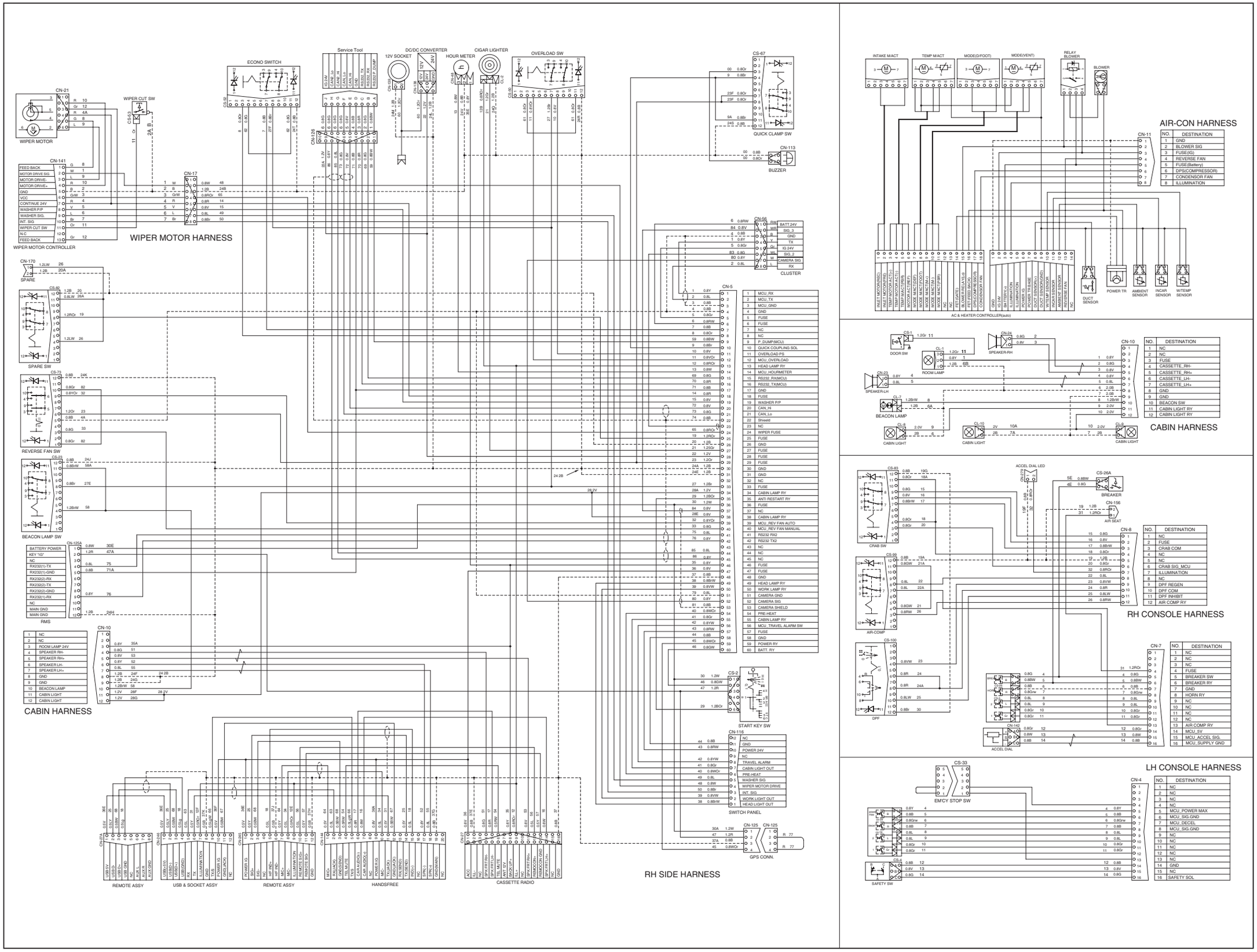


20Q6-17100(2/2)



■ R220NLC-9A(#0001~)

R220NLC-9A(#0001~)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS/COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

1	MCU_RX
2	MCU_TX
3	MCU_GND
4	GND
5	FUSE
6	FUSE
7	NC
8	NC
9	P_DUMP(MCU)
10	QUICK COUPLING SOL
11	OVERLOAD P.S
12	MCU_OVERLOAD
13	HEAD LAMP P/Y
14	MCU_HOURMETER
15	RS232_RX(MCU)
16	RS232_TX(MCU)
17	GND
18	FUSE
19	WASHER P/P
20	CAN_Hi
21	CAN_Lo
22	Shield
23	NC
24	WIPER FUSE
25	FUSE
26	GND
27	FUSE
28	FUSE
29	FUSE
30	GND
31	GND
32	NC
33	FUSE
34	CABIN LAMP RY
35	ANTI RESTART RY
36	FUSE
37	NC
38	CABIN LAMP RY
39	MCU_REV FAN AUTO
40	MCU_REV FAN MANUAL
41	RS232 RX2
42	RS232 TX2
43	NC
44	NC
45	NC
46	FUSE
47	FUSE
48	GND
49	HEAD LAMP RY
50	WORK LAMP RY
51	CAMERA GND
52	CAMERA SIG
53	CAMERA SHIELD
54	PRE-HEAT
55	CABIN LAMP RY
56	MCU_TRAVEL ALARM SW
57	FUSE
58	GND
59	POWER RY
60	BATT. RY

1	NC
2	NC
3	ROOM LAMP 24V
4	SPEAKER RH-
5	SPEAKER RH+
6	SPEAKER LH-
7	SPEAKER LH+
8	GND
9	GND
10	BEACON LAMP
11	CABIN LIGHT
12	CABIN LIGHT

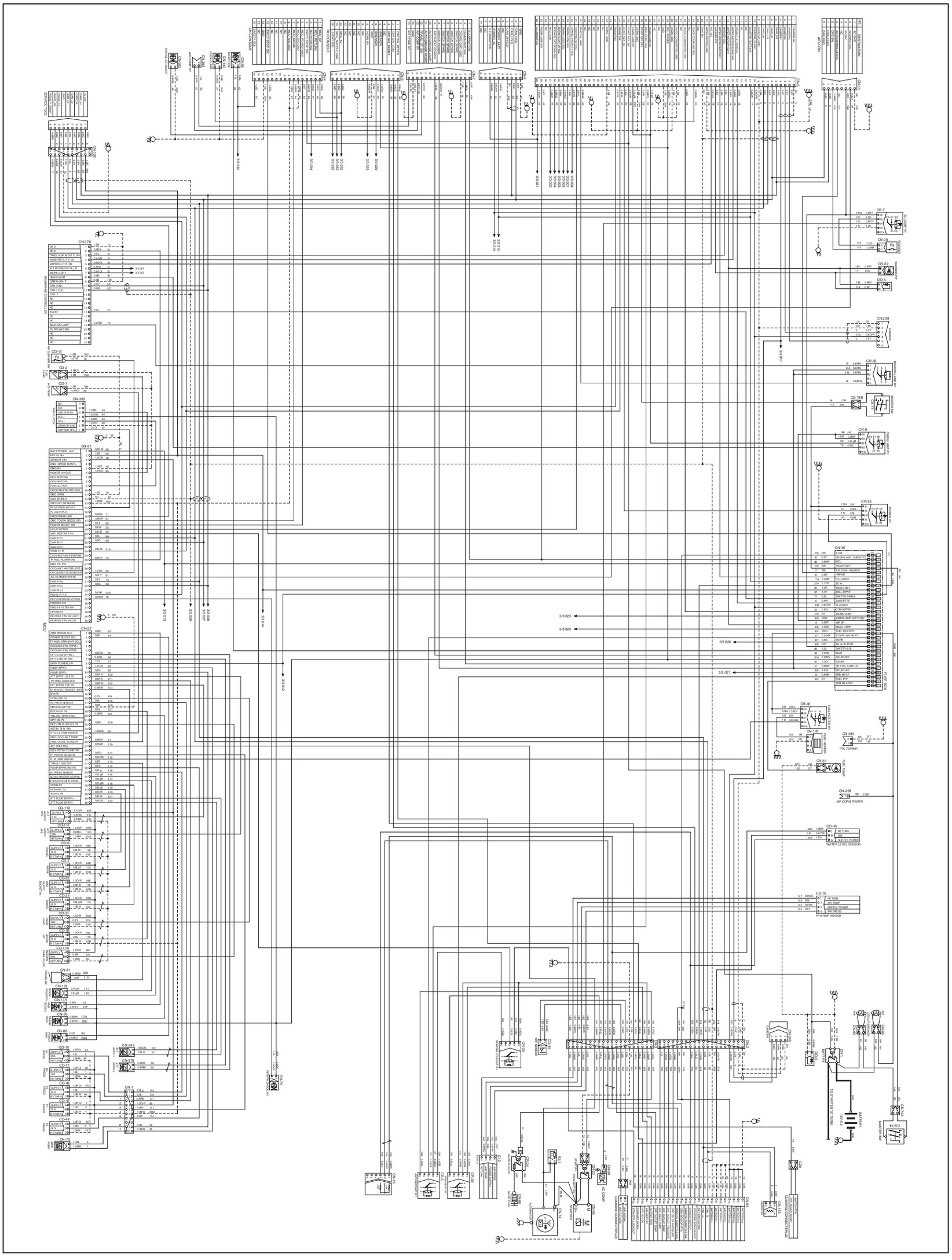
BATTERY POWER	
KEY "IG"	
NC	
RX232(1)-TX	
RX232(1)-GND	
RX232(2)-RX	
RX232(2)-TX	
RX232(2)-GND	
RX232(1)-RX	
NC	
MAIN GND	
MAIN GND	

FEED BACK	
MOTOR DRIVE SIG.	
MOTOR DRIVE-	
MOTOR DRIVE+	
GND	
VCC	
CONTINUE 24V	
WASHER P/P	
WASHER SIG.	
INT. SIG	
WIPER CUT SW	
N.C	
FEED BACK	

BATT.24V	
SIG_3	
GND	
TX	
IG 24V	
SIG_2	
CAMERA SIG	
RX	

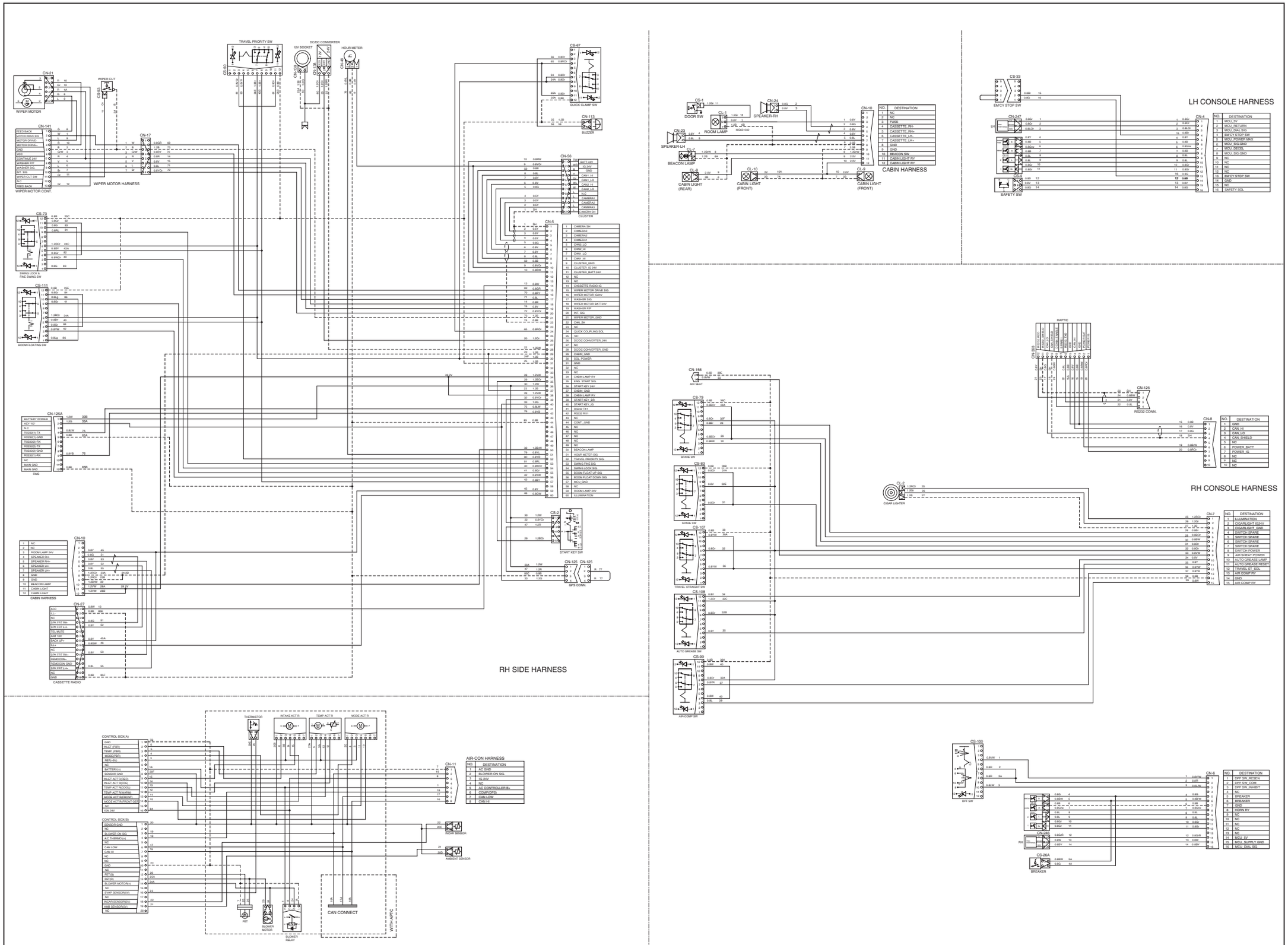
NC	
GND	
POWER 24V	
NC	
TRAVEL ALARM	
CABIN LIGHT OUT	
PRE-HEAT	
WASHER SIG	
WIPER MOTOR DRIVE	
INT. SIG	
WORK LIGHT OUT	
HEAD LIGHT OUT	

■ HX220 L(#0001~)

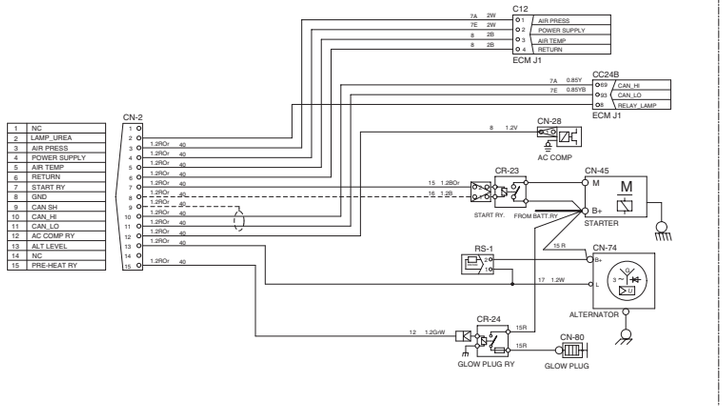


20K6-10100(1/3)

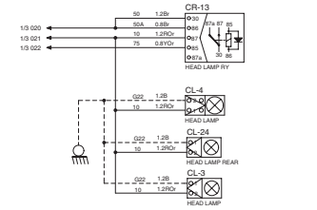
HX220 L(#0001~)

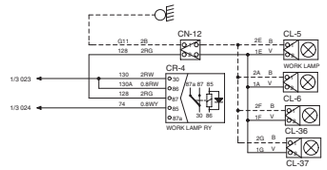


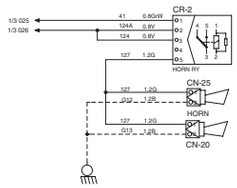
20K6-10100(2/3)

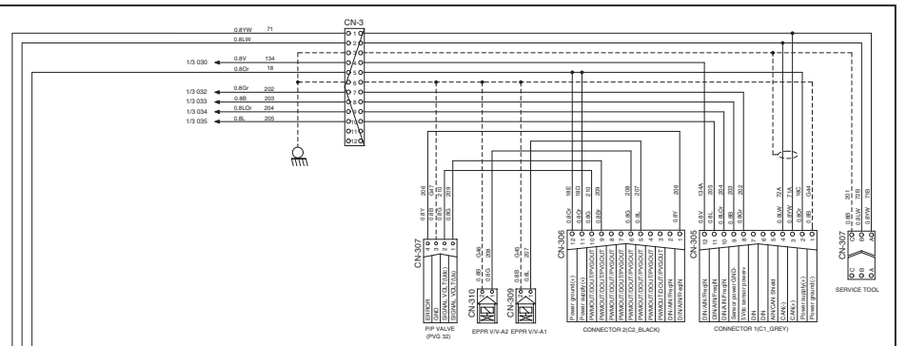


ENGINE HARNESS

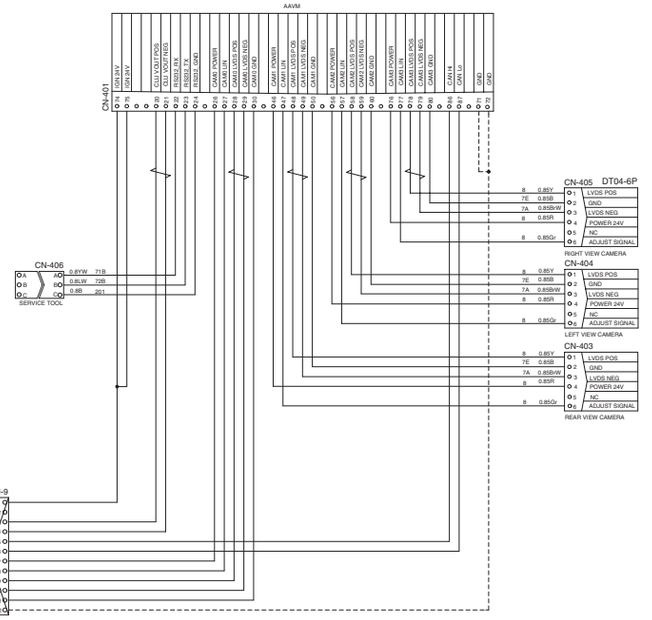


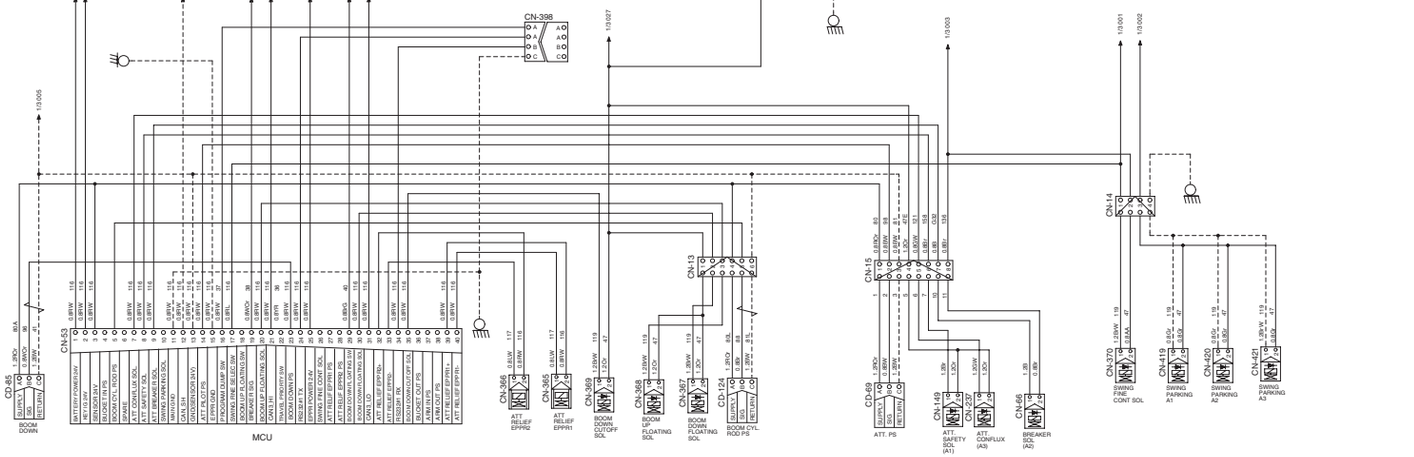






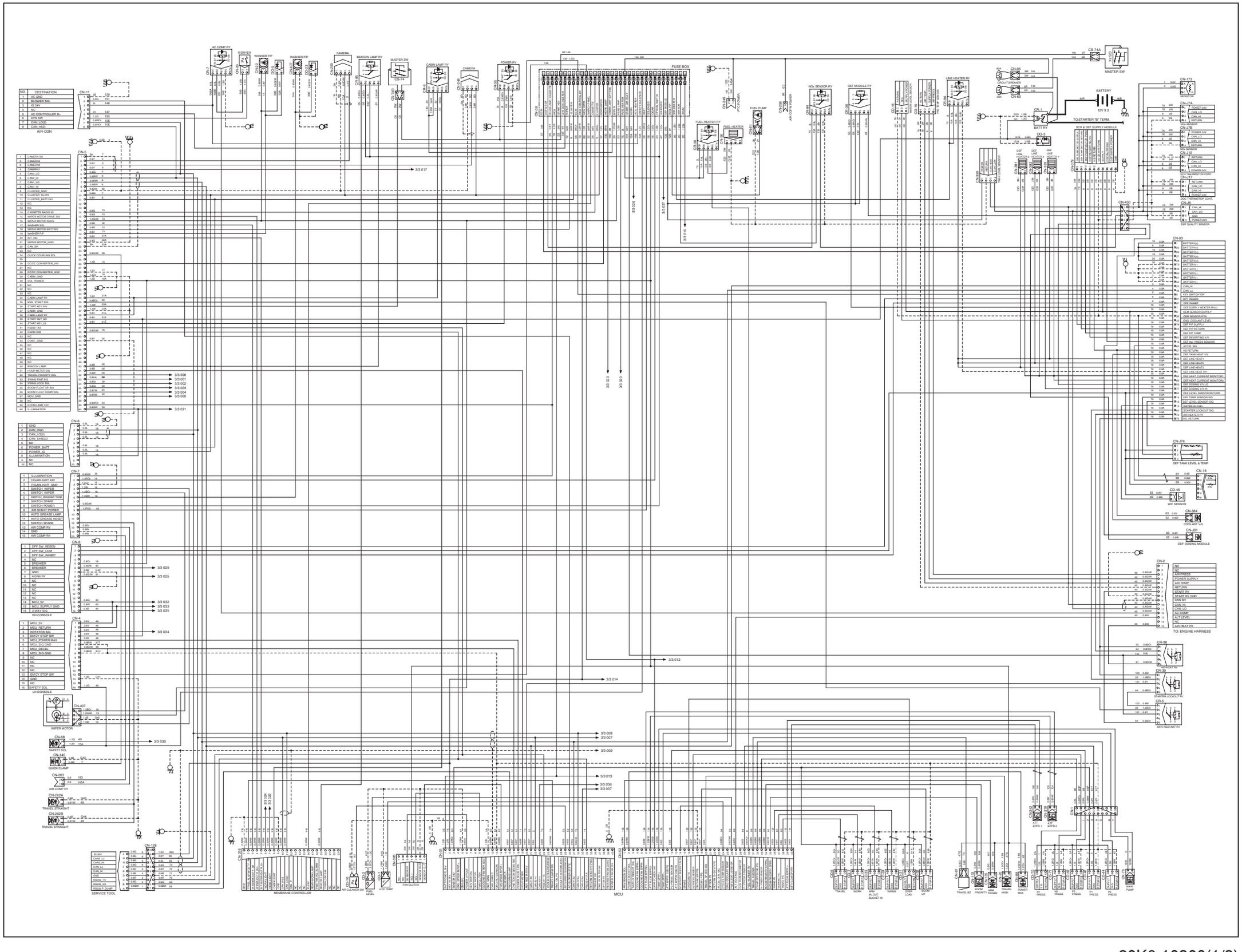
PROPORTIONAL VALVE & LEVER



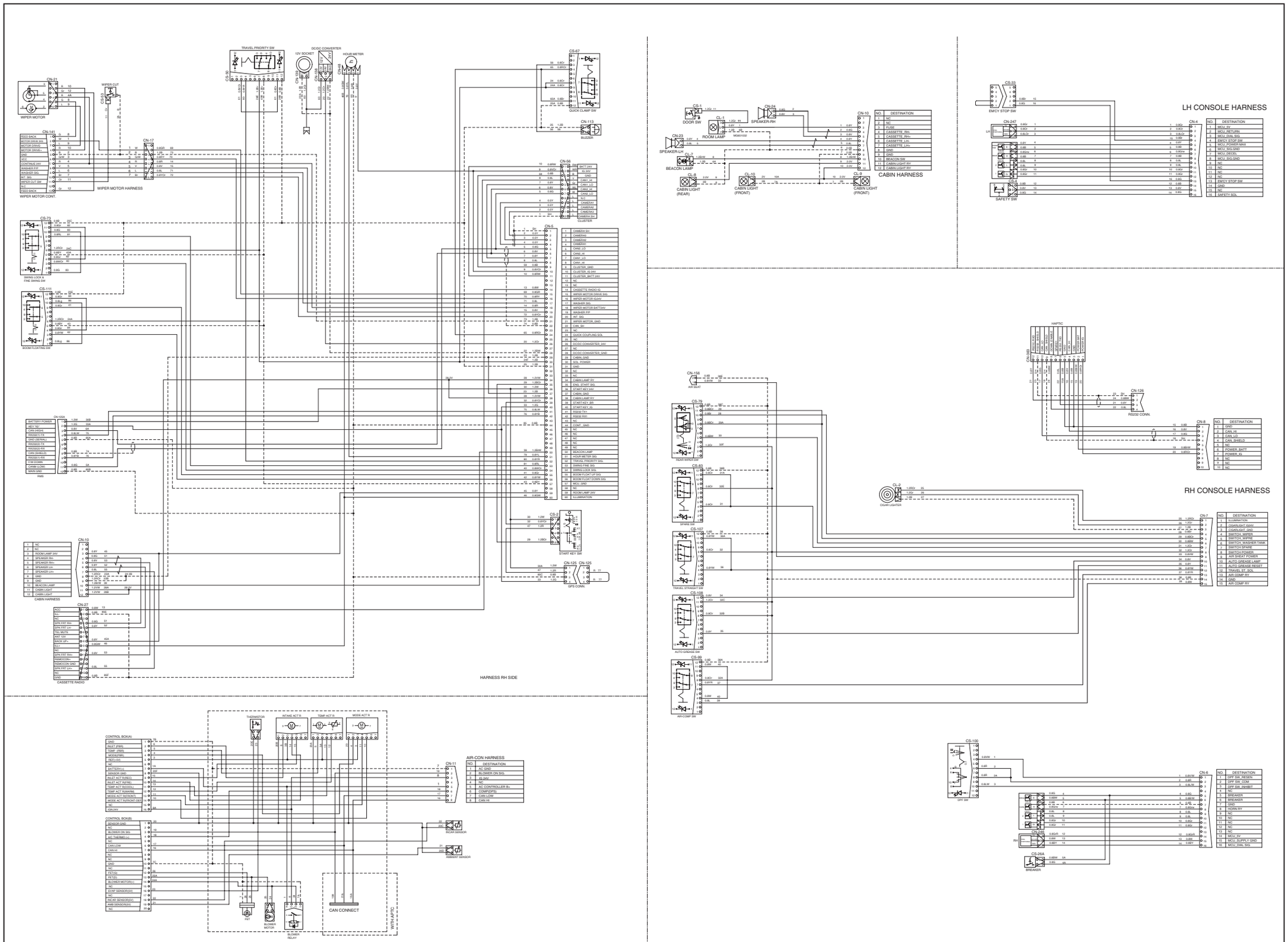


20K6-10300(3/3)

HX220NL(#0001~)



20K6-10300(1/3)



NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH+
5	CASSETTE_RH-
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_DIAL SIG
4	EMCY STOP SW
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	EMCY STOP SW
14	GND
15	NC
16	SAFETY SOL

NO.	DESTINATION
1	CAMERA SH
2	CAMERA5
3	CAMERA2
4	CAMERA1
5	CAN2_LO
6	CAN2_HI
7	CAN1_LO
8	CAN1_HI
9	CLUSTER_GND
10	CLUSTER_IG 24V
11	CLUSTER_BATT 24V
12	NC
13	NC
14	CASSETTE RADIO IG
15	WIPER MOTOR DRIVE SIG
16	WIPER MOTOR IG24V
17	WASHER SIG
18	WIPER MOTOR BATT24V
19	WASHER P/P
20	INT. SIG
21	WIPER MOTOR_GND
22	CAN_SH
23	NC
24	QUICK COUPLING SOL
25	NC
26	DCDC CONVERTER 24V
27	NC
28	DCDC CONVERTER_GND
29	CABIN_GND
30	SOL. POWER
31	GND
32	NC
33	NC
34	CABIN LAMP RY
35	ENG. START SIG
36	START KEY 24V
37	CABIN_GND
38	CABIN LAMP RY
39	START KEY_BR
40	START KEY_IG
41	RS232 TX1
42	RS232 RX1
43	NC
44	CONT. GND
45	NC
46	NC
47	NC
48	NC
49	NC
50	BEACON LAMP
51	HOUR METER SIG
52	TRAVEL PRIORITY SIG
53	SWING FINE SIG
54	SWING LOCK SIG
55	BOOM FLOAT UP SIG
56	BOOM FLOAT DOWN SIG
57	MCU_GND
58	NC
59	ROOM LAMP 24V
60	ILLUMINATION

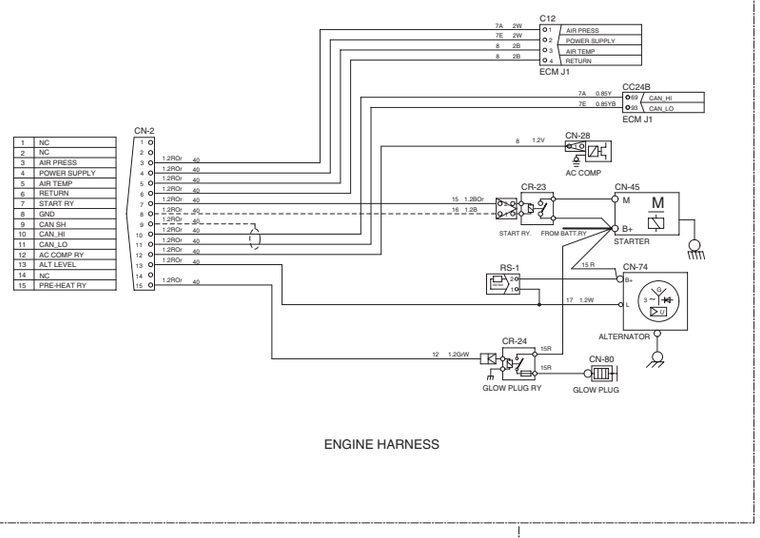
NO.	DESTINATION
1	ILLUMINATION
2	CIGARLIGHT_IG24V
3	CIGARLIGHT_GND
4	SWITCH_WIPER
5	SWITCH_WIPPE
6	SWITCH_WASHER TANK
7	SWITCH SPARE
8	SWITCH POWER
9	AIR SHEAT POWER
10	AUTO GREASE LAMP
11	AUTO GREASE RESET
12	TRAVEL ST. SOL
13	AIR COMP RY
14	GND
15	AIR COMP RY

NO.	DESTINATION
1	GND
2	CAN_HI
3	CAN_LO
4	CAN_SHIELD
5	NC
6	POWER_BATT
7	POWER_IG
8	NC
9	NC
10	NC

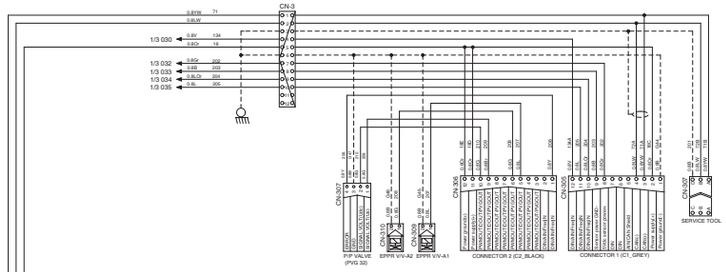
NO.	DESTINATION
0	DPF SW_RESEN
2	DPF SW_COM
3	DPF SW_INHIBIT
4	NC
5	BREAKER
6	BREAKER
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_SUPPLY GND
16	MCU_DIAL SIG

NO.	DESTINATION
1	AC GND
2	BLOWER ON SIG
3	IG 24V
4	NC
5	AC CONTROLLER B+
6	COMP(DPS)
7	CAN LOW
8	CAN HI

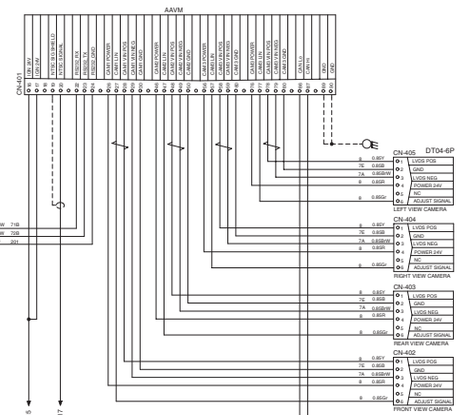
HX220NL(#0001~)

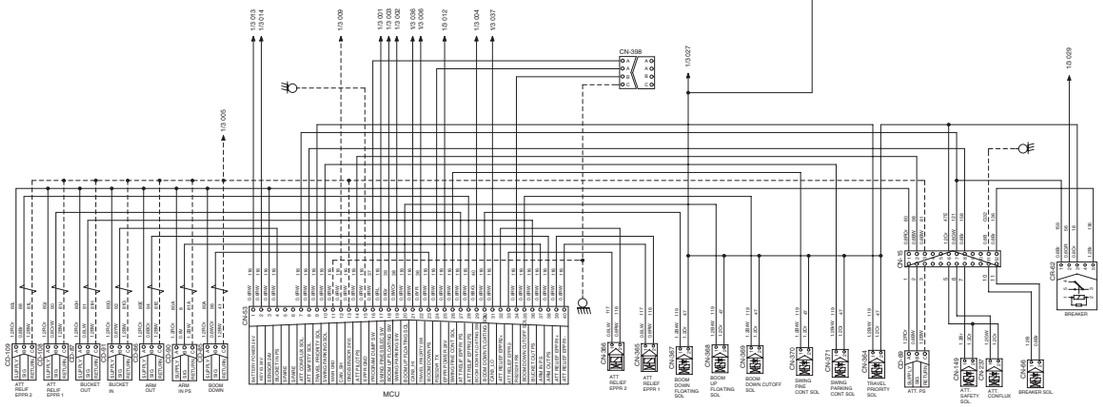


ENGINE HARNESS

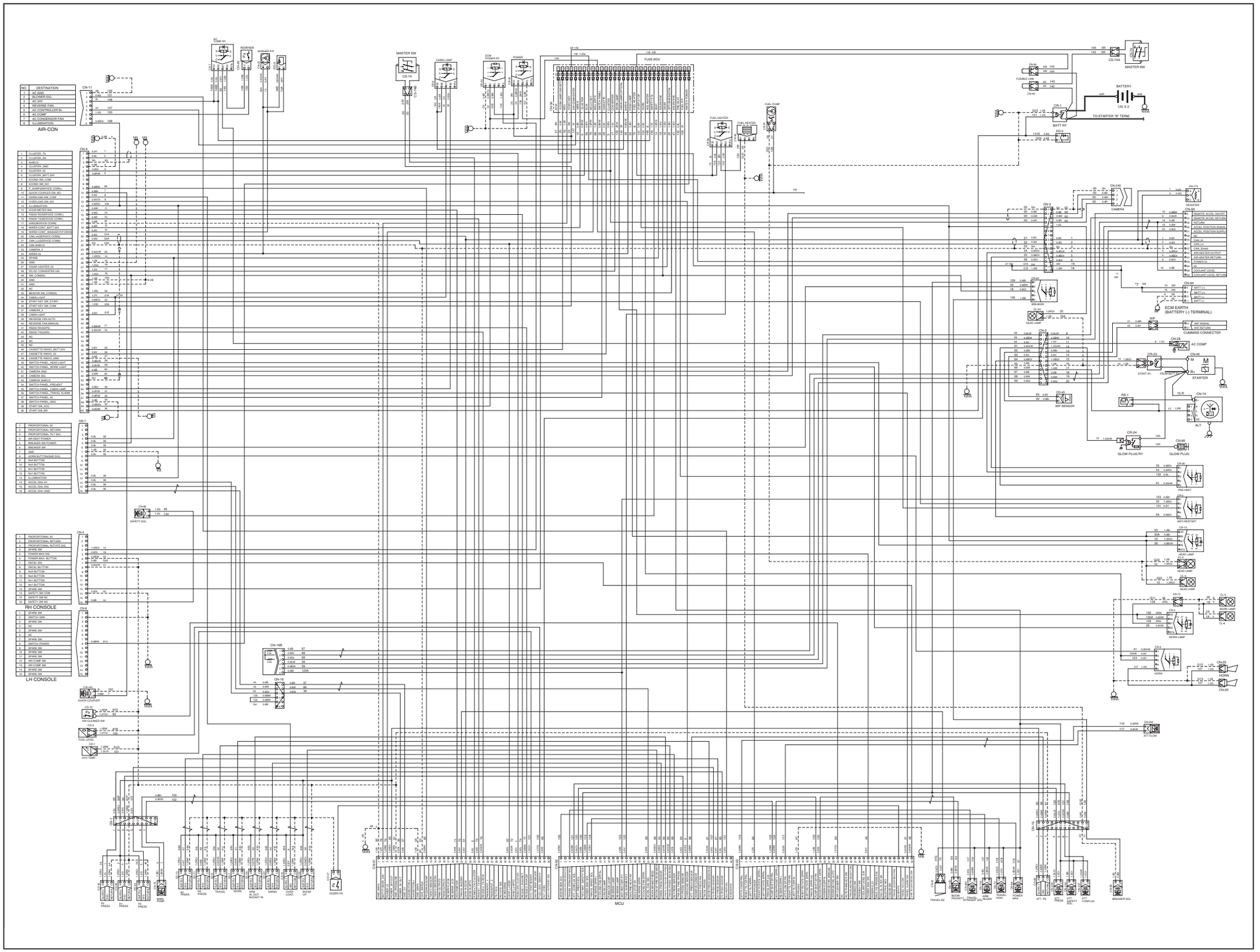


PROPORTIONAL VALVE & LEVER



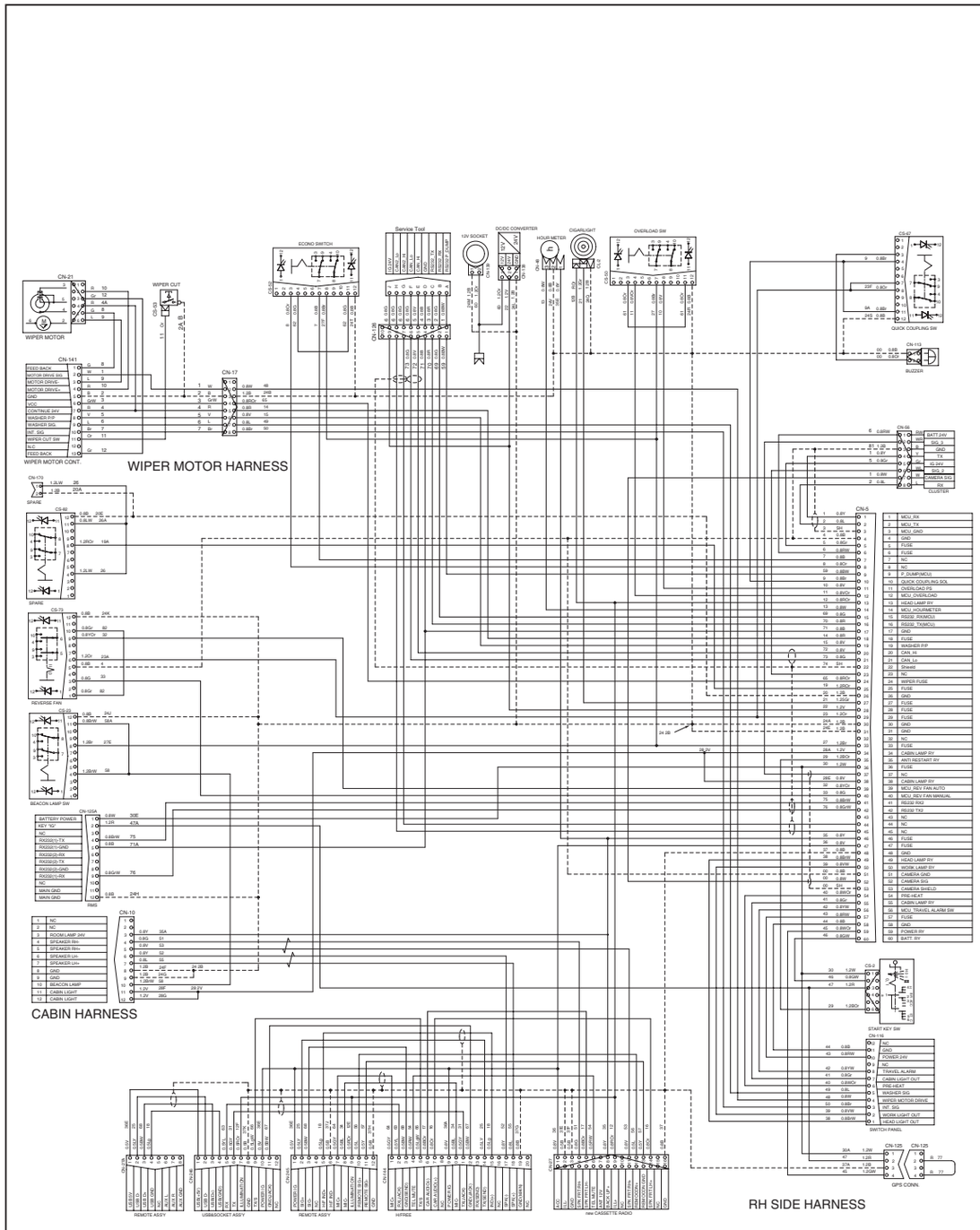


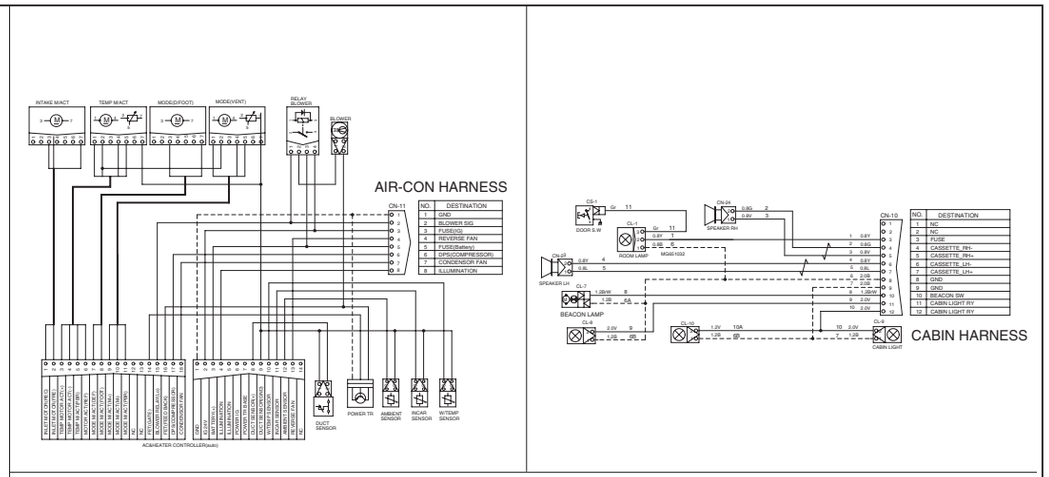
■ R235LCR-9(#0001~)

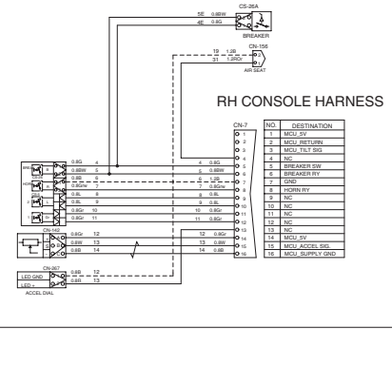


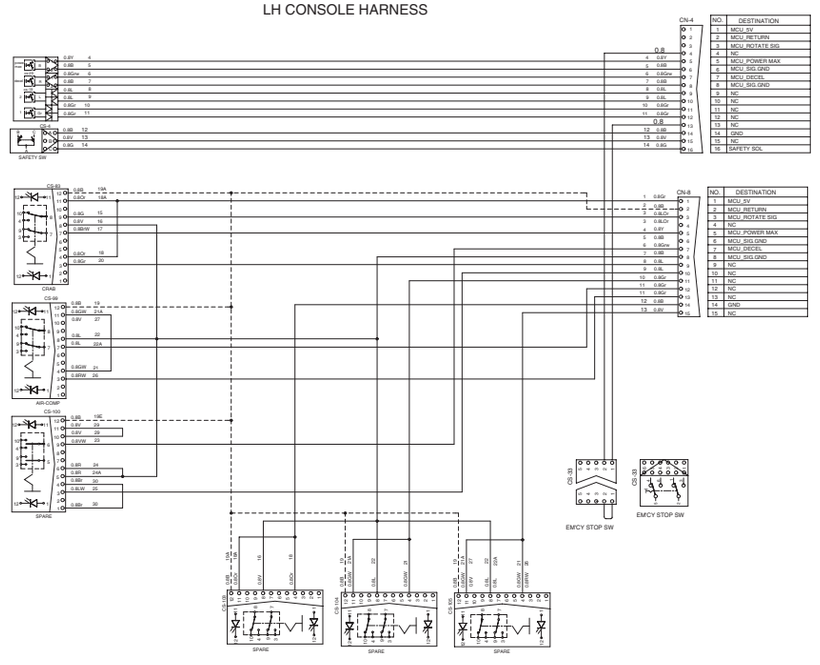
20Q6-07302(1/2)

R235LCR-9(#0001~)

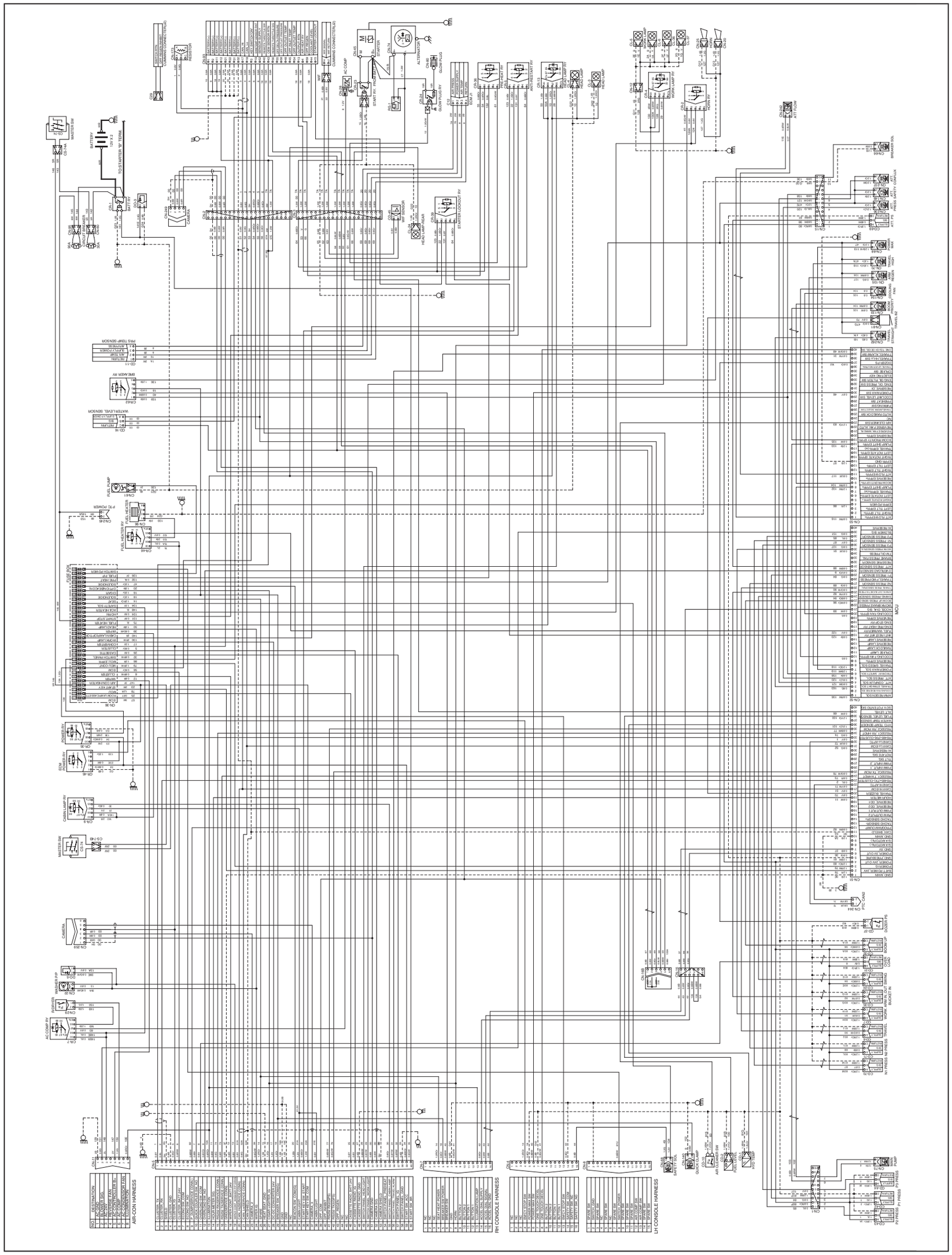






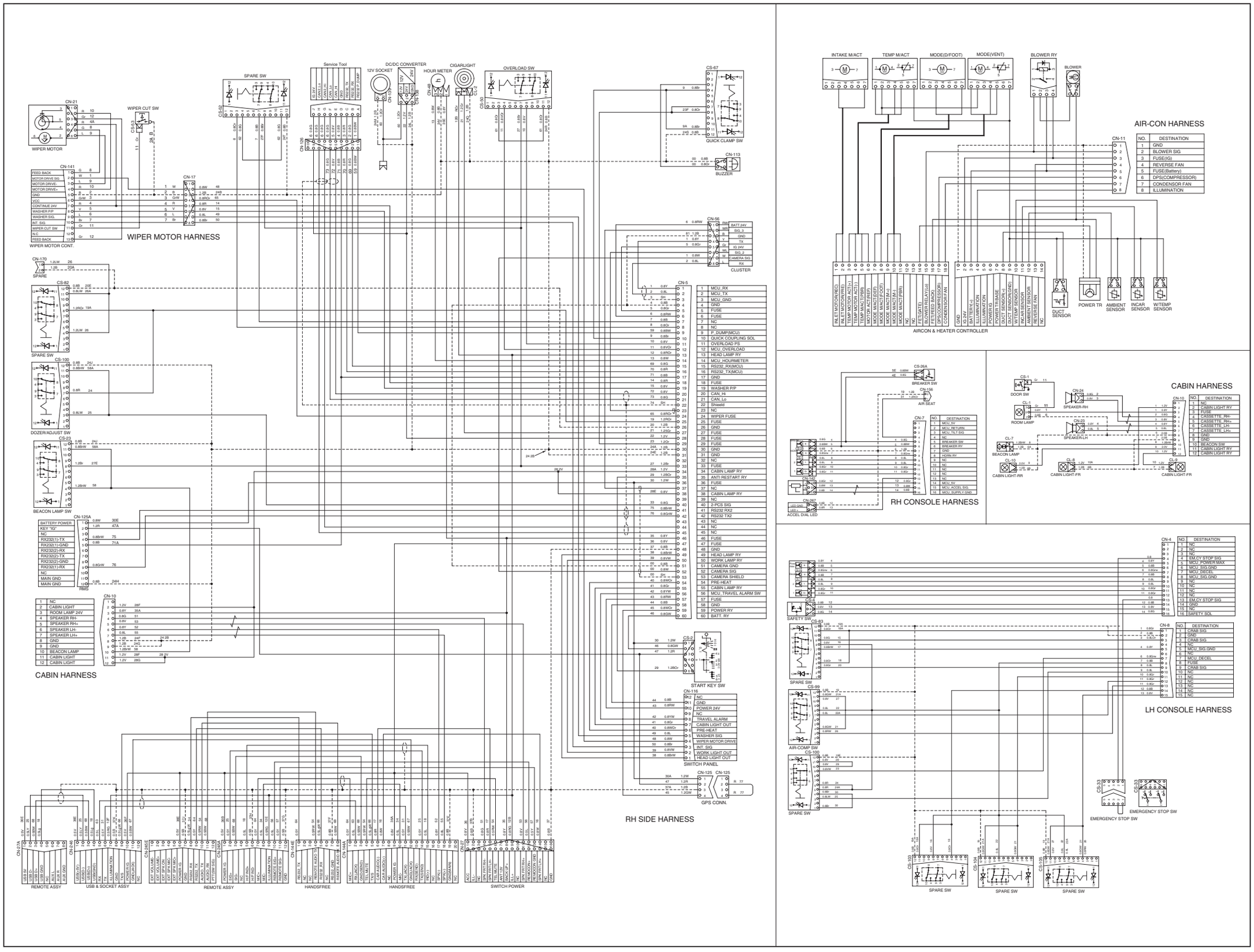


20Q6-07301(2/2)

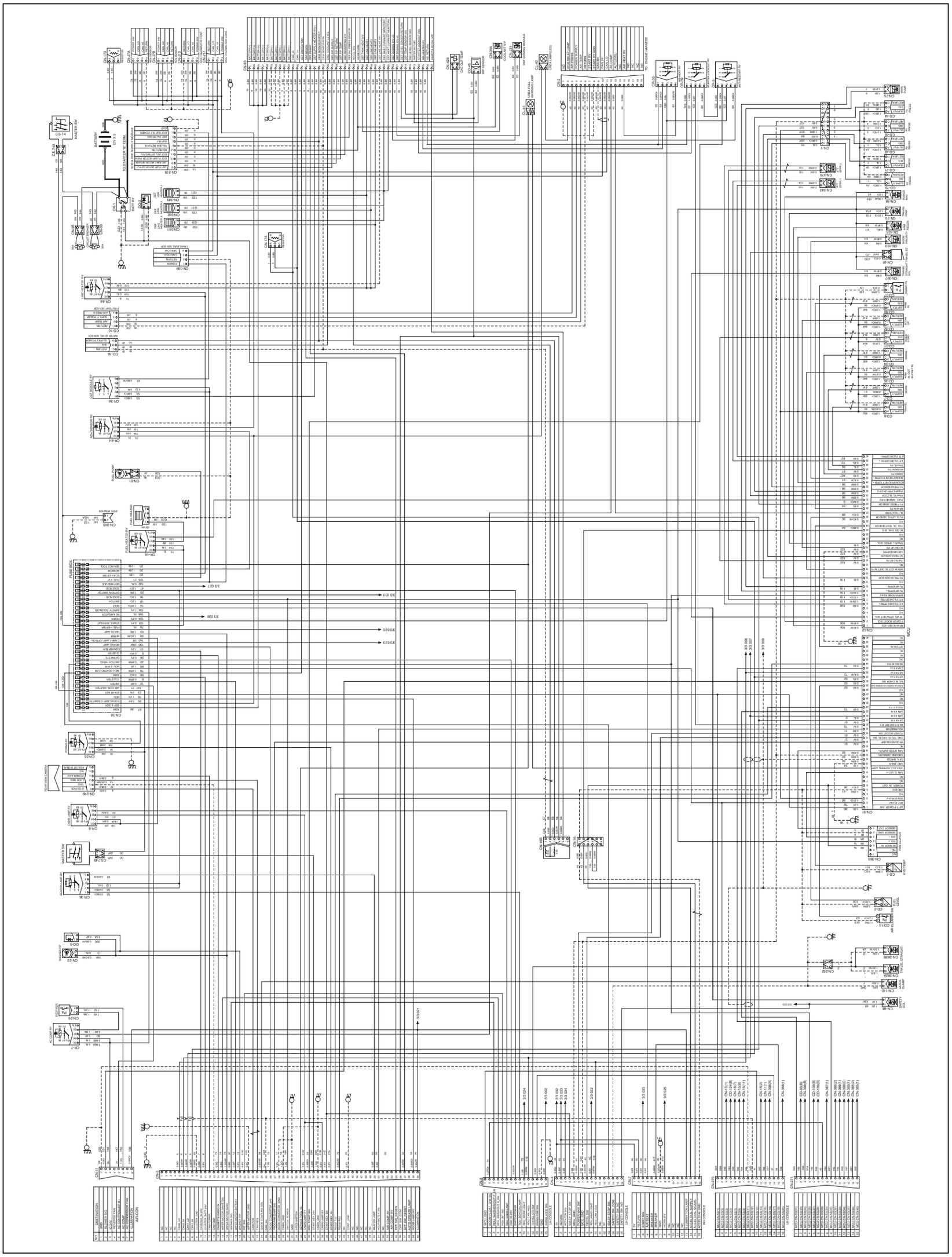


■ R235LCR-9A(#0001~)

R235LCR-9A(#0001~)

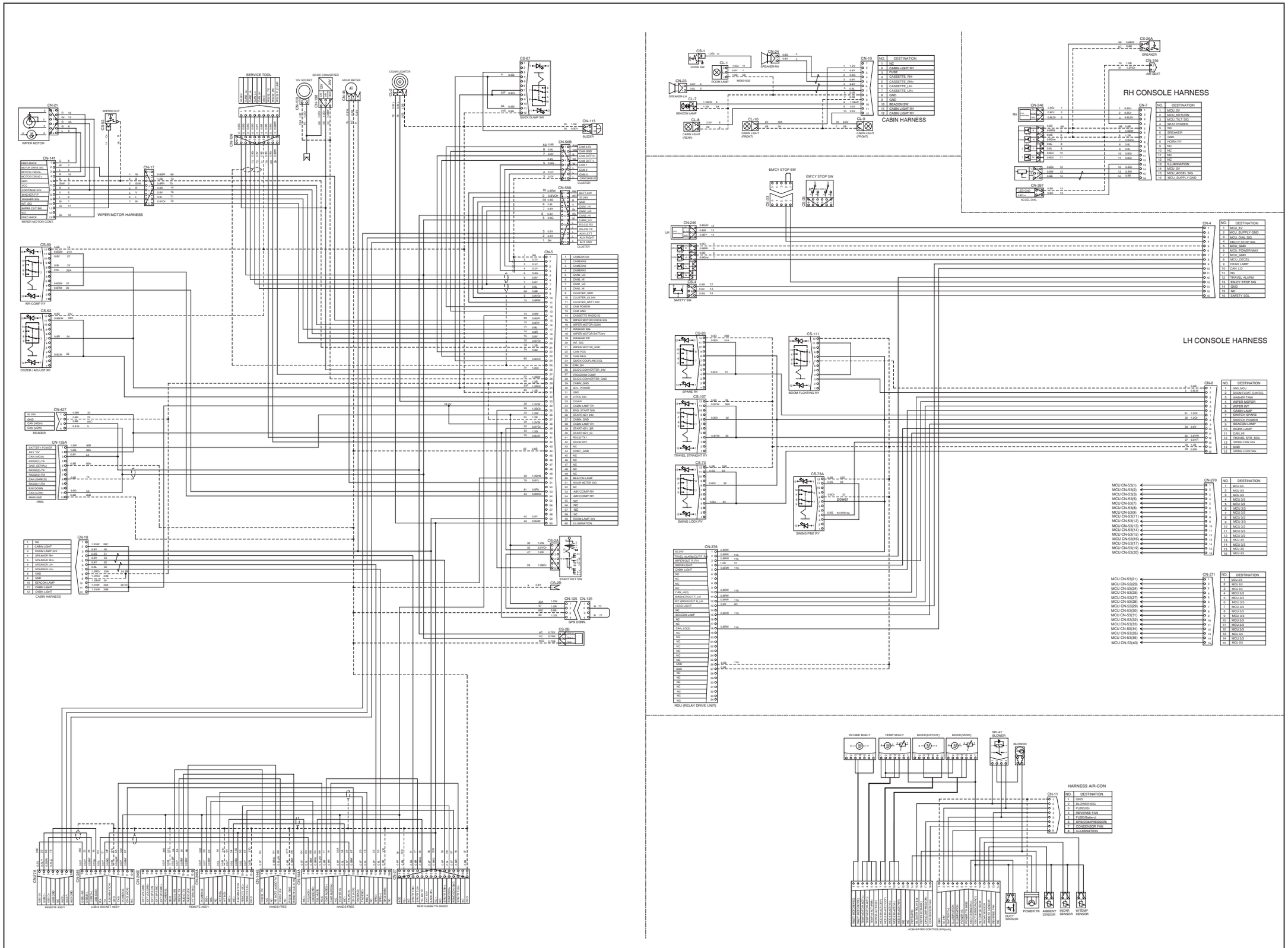


20Q6-01103(2/2)

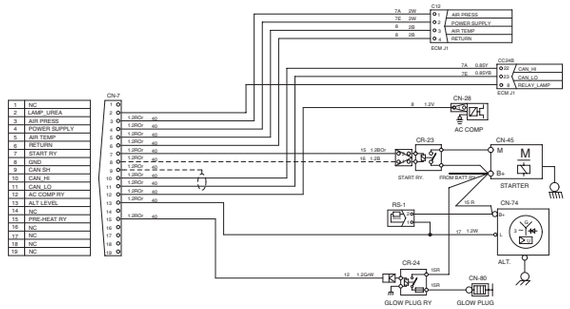


■ HX235LCR(#0001~)

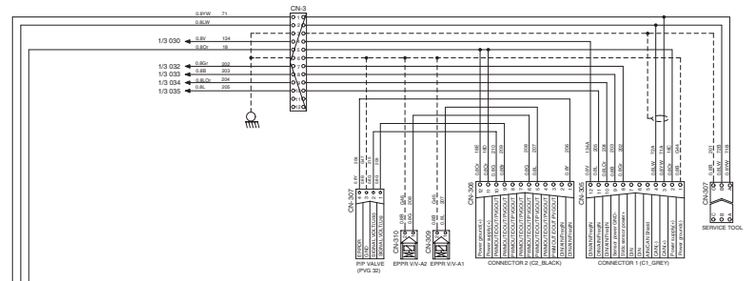
HX235LCR(#0001~)



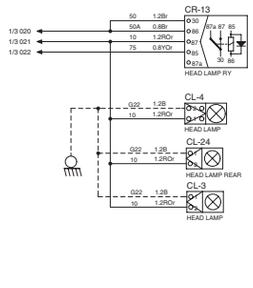
20K6-20202(2/3)

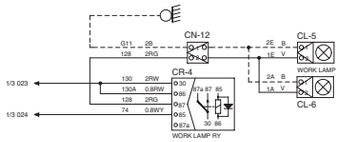


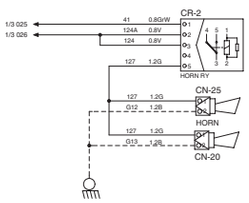
ENGINE HARNESS

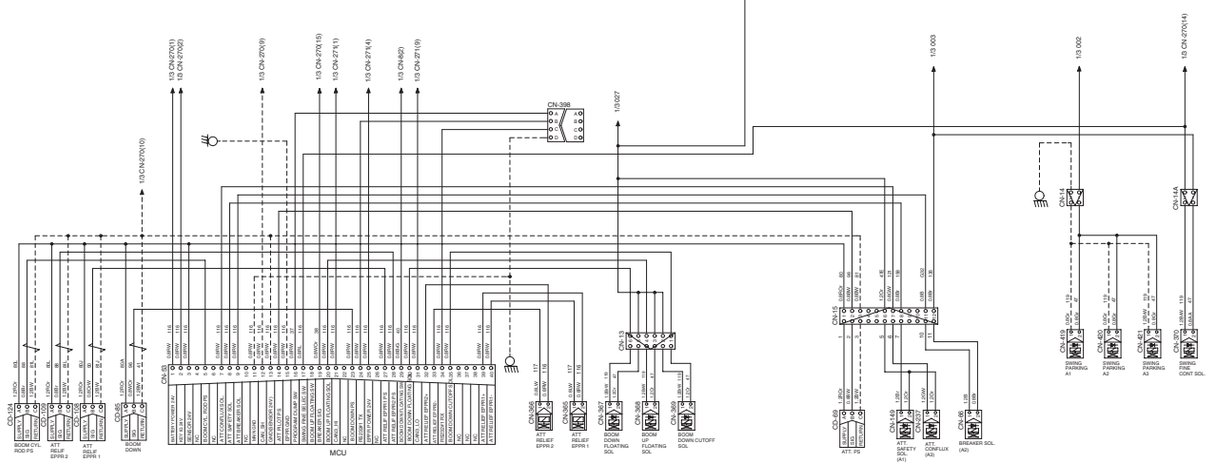


PROPORTIONAL VALVE & LEVER

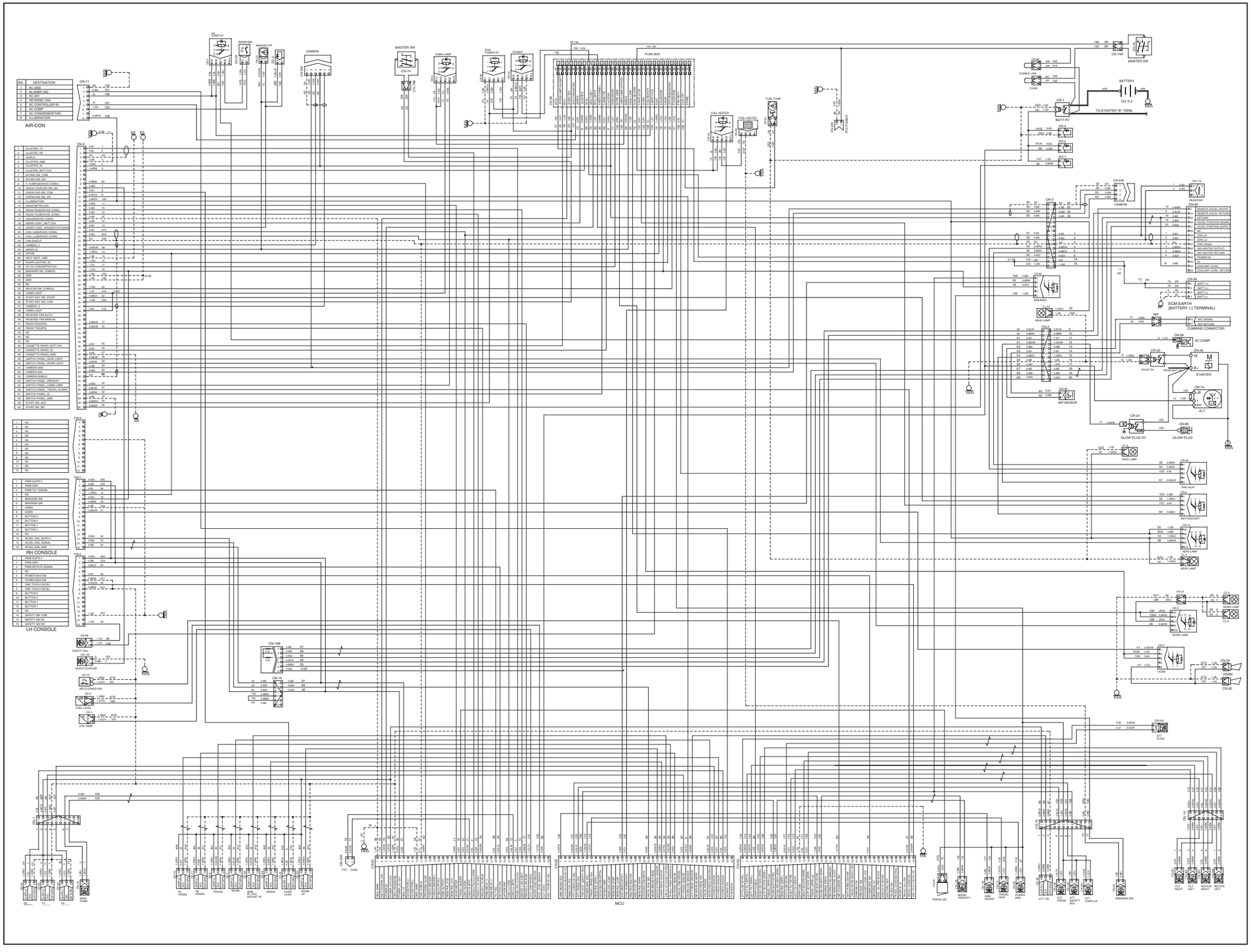




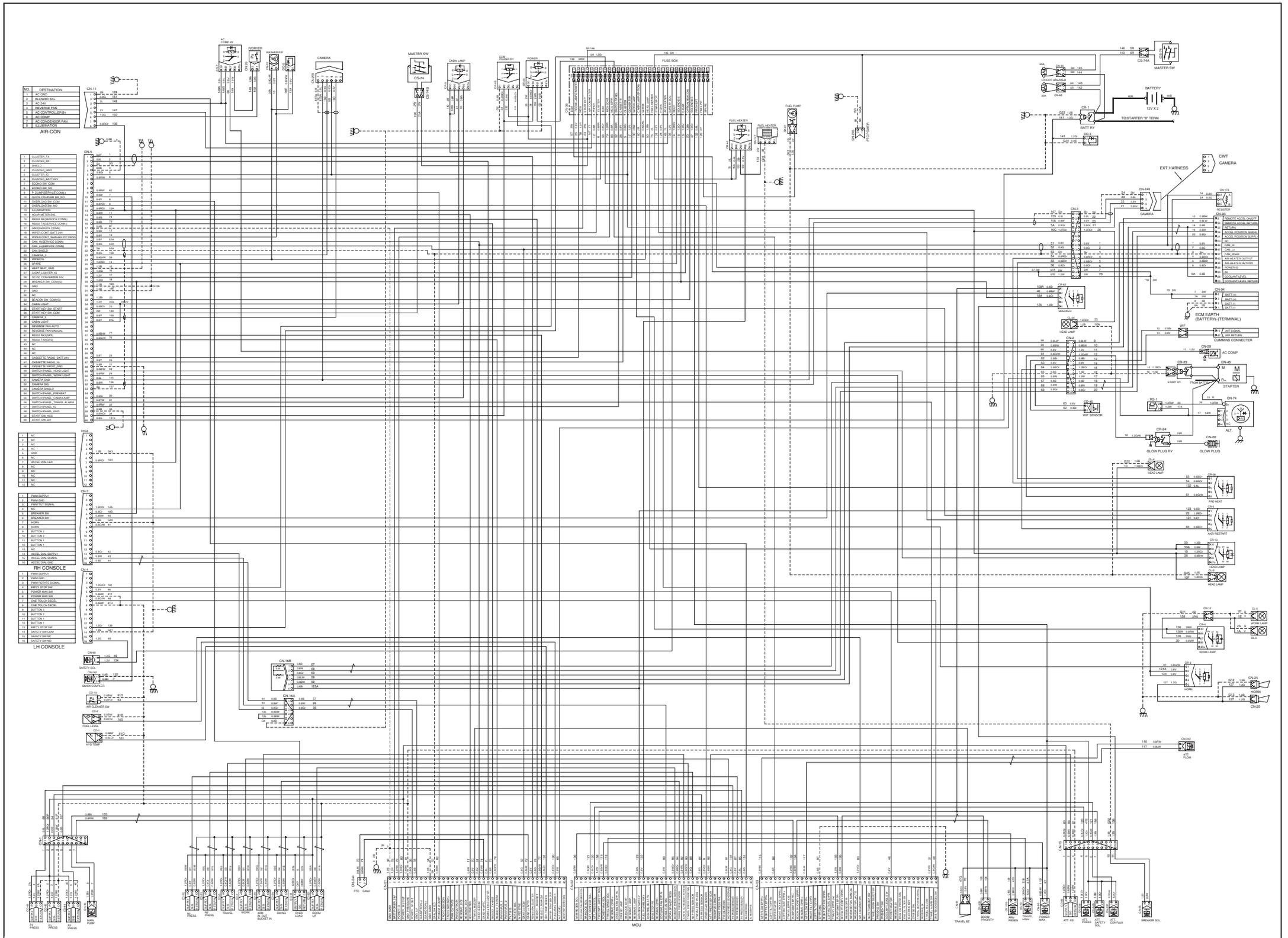




R250LC-9(OLD)

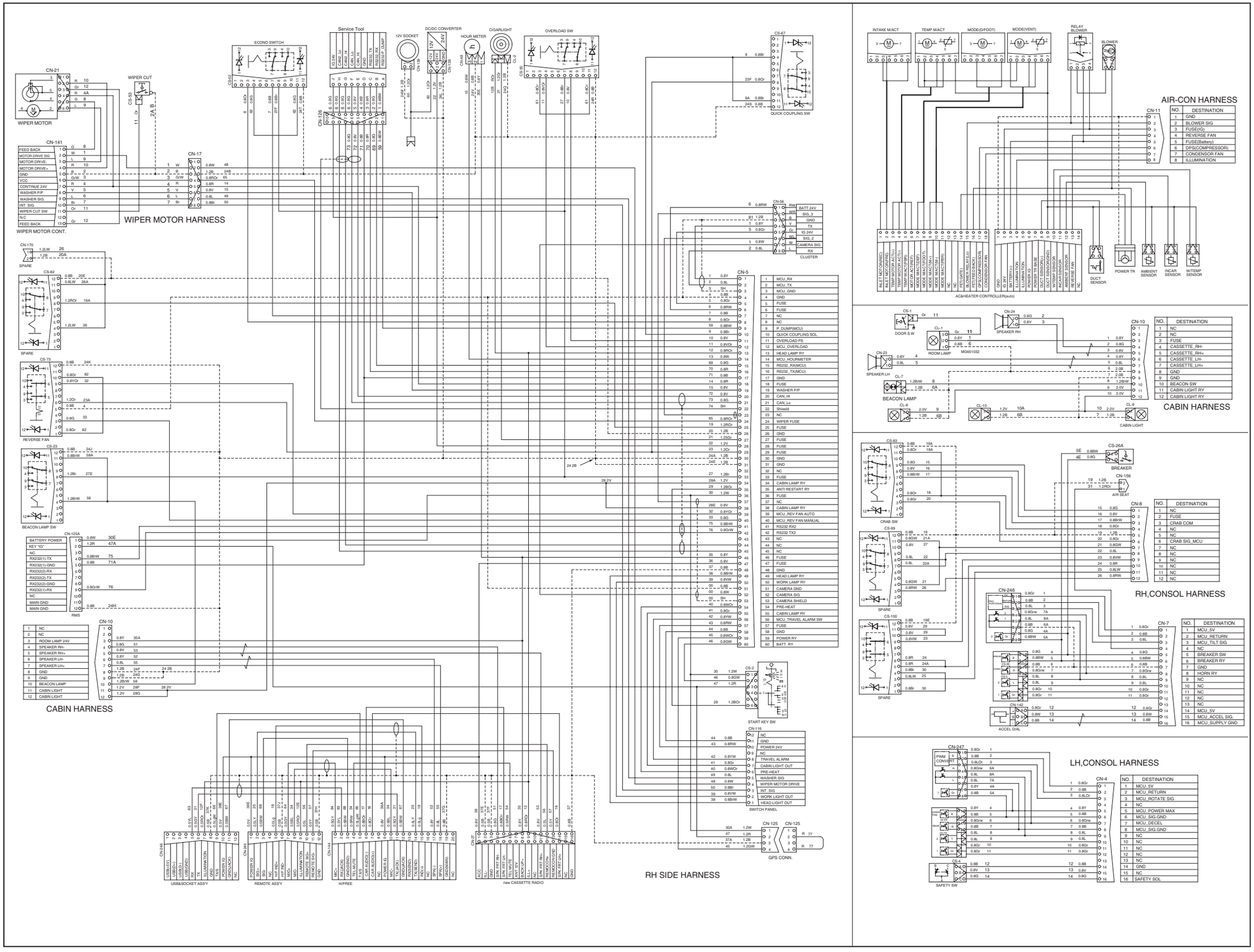


20Q7-07104(1/2)

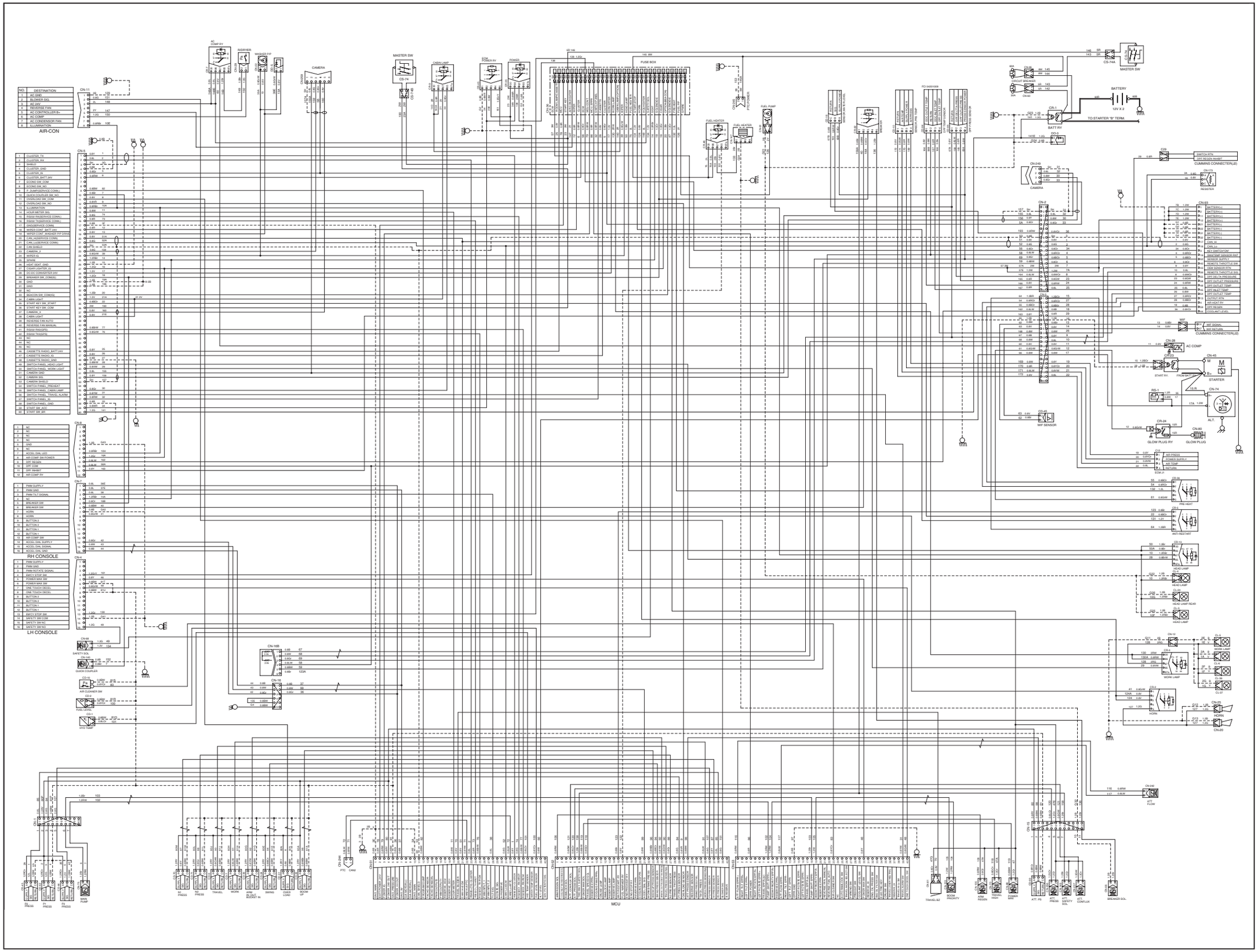


20Q7-07105(1/2)

R250LC-9(#0001~)

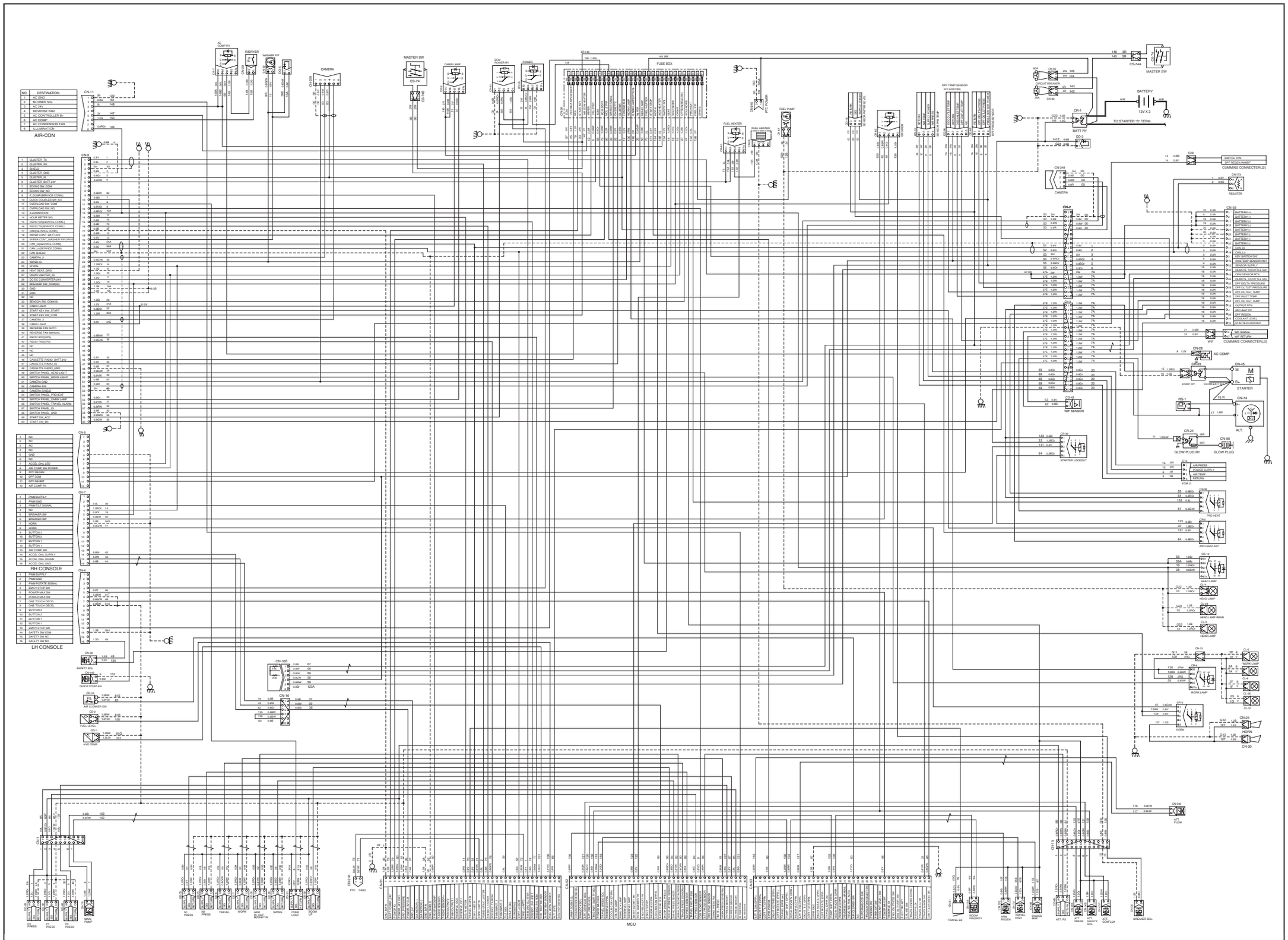


20Q7-07104(2/2)

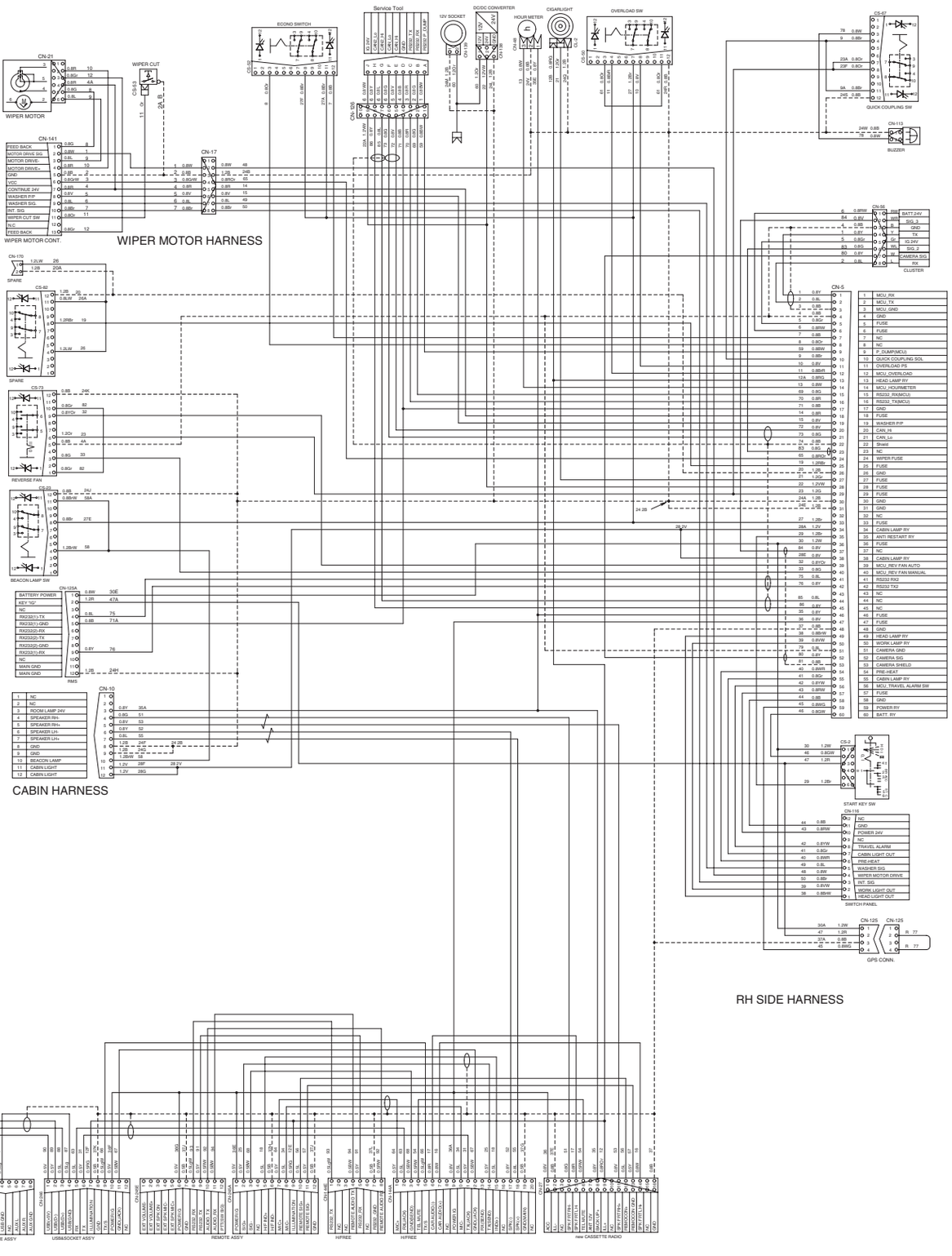


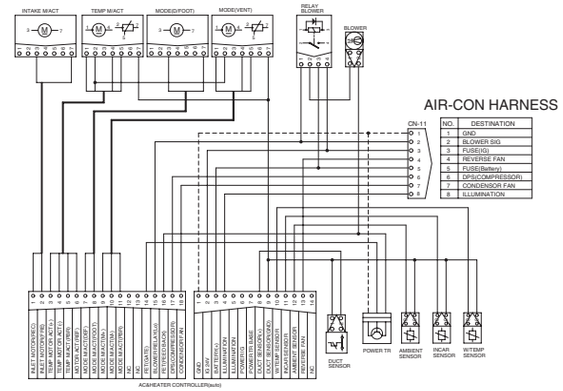
20Q7-90101(1/2)

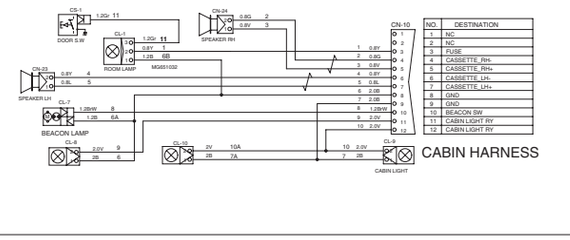
R260LC-9A(CURRENT)

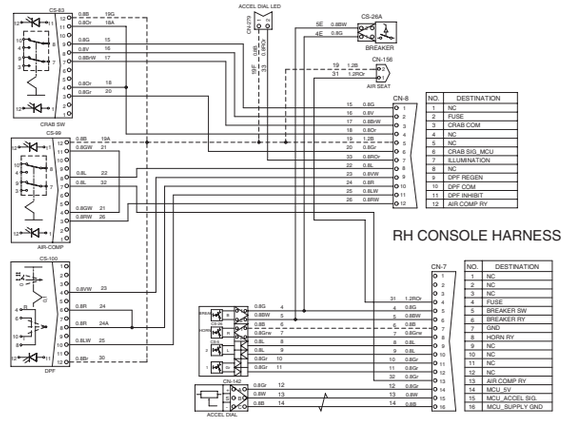


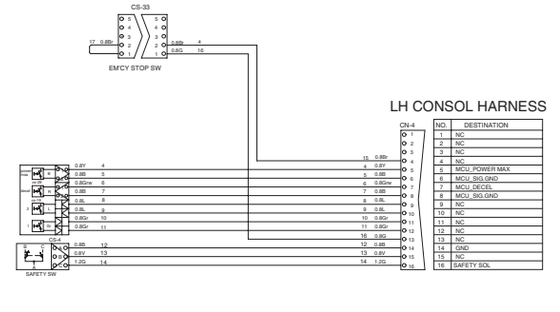
20Q7-90102(1/2)


WIPER MOTOR HARNESS
CABIN HARNESS
RH SIDE HARNESS

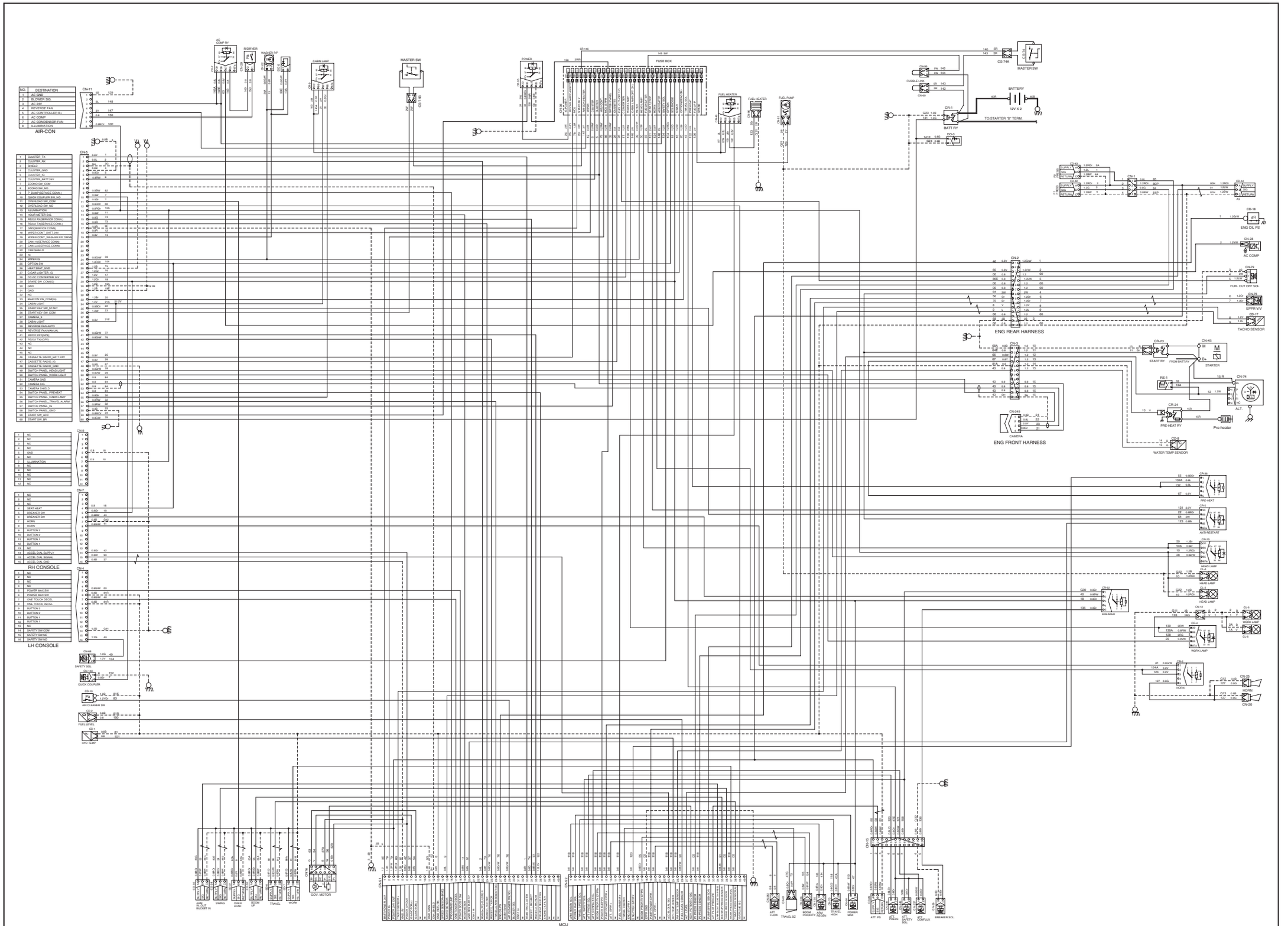

AIR-CON HARNESS


CABIN HARNESS

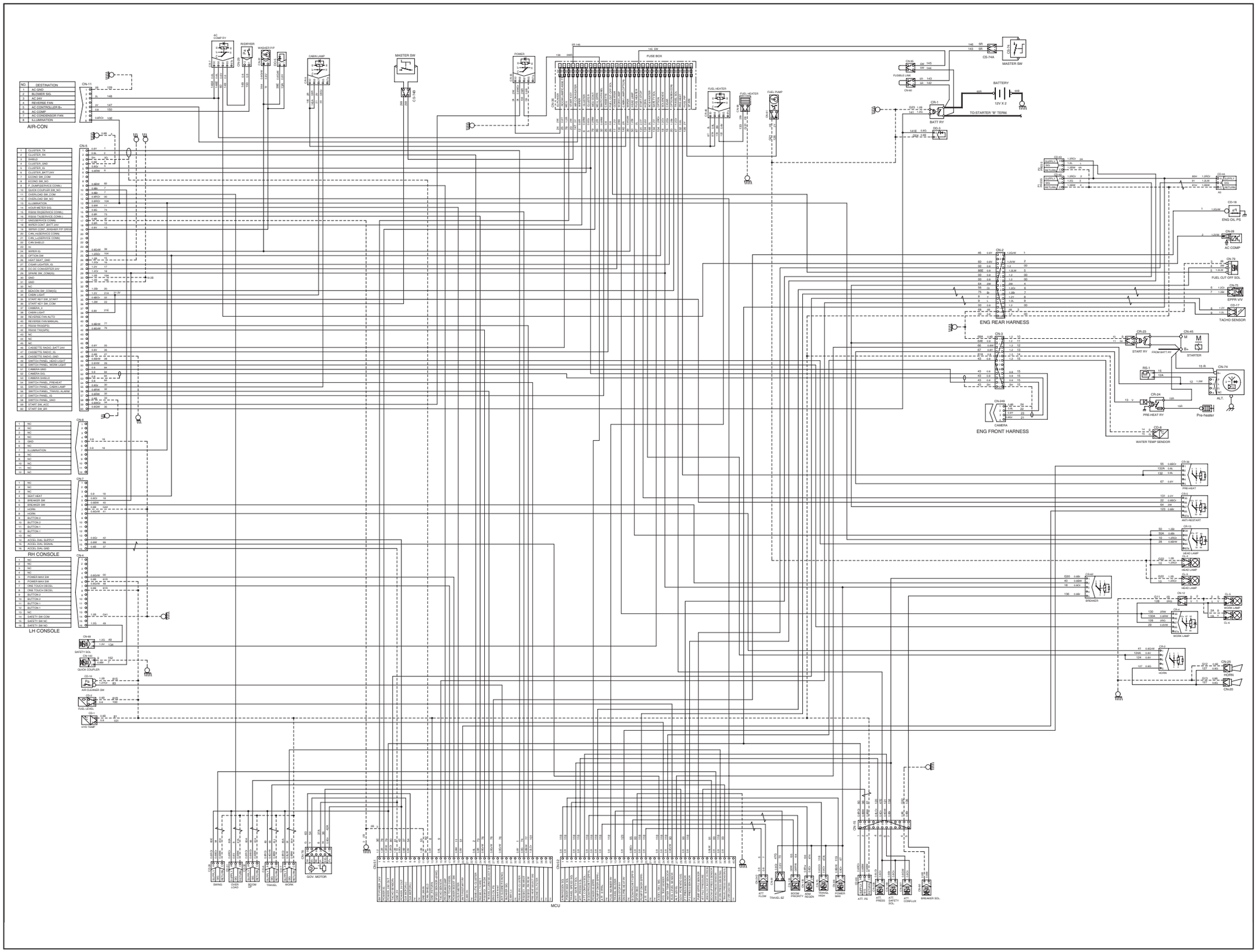

RH CONSOLE HARNESS


LH CONSOL HARNESS

R260LC-9S(Cluster type 1, OLD)

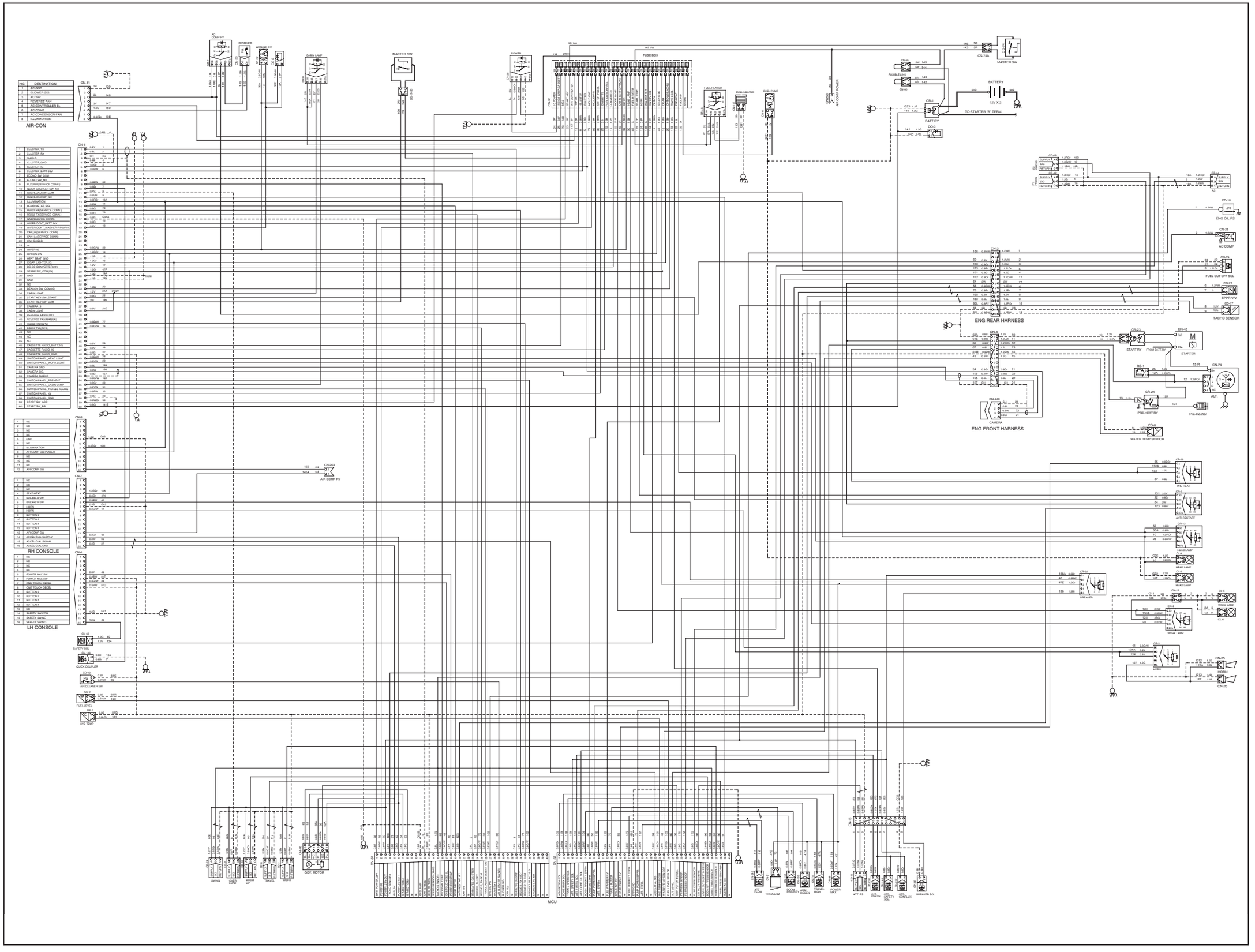


20Q7-08101(1/2)



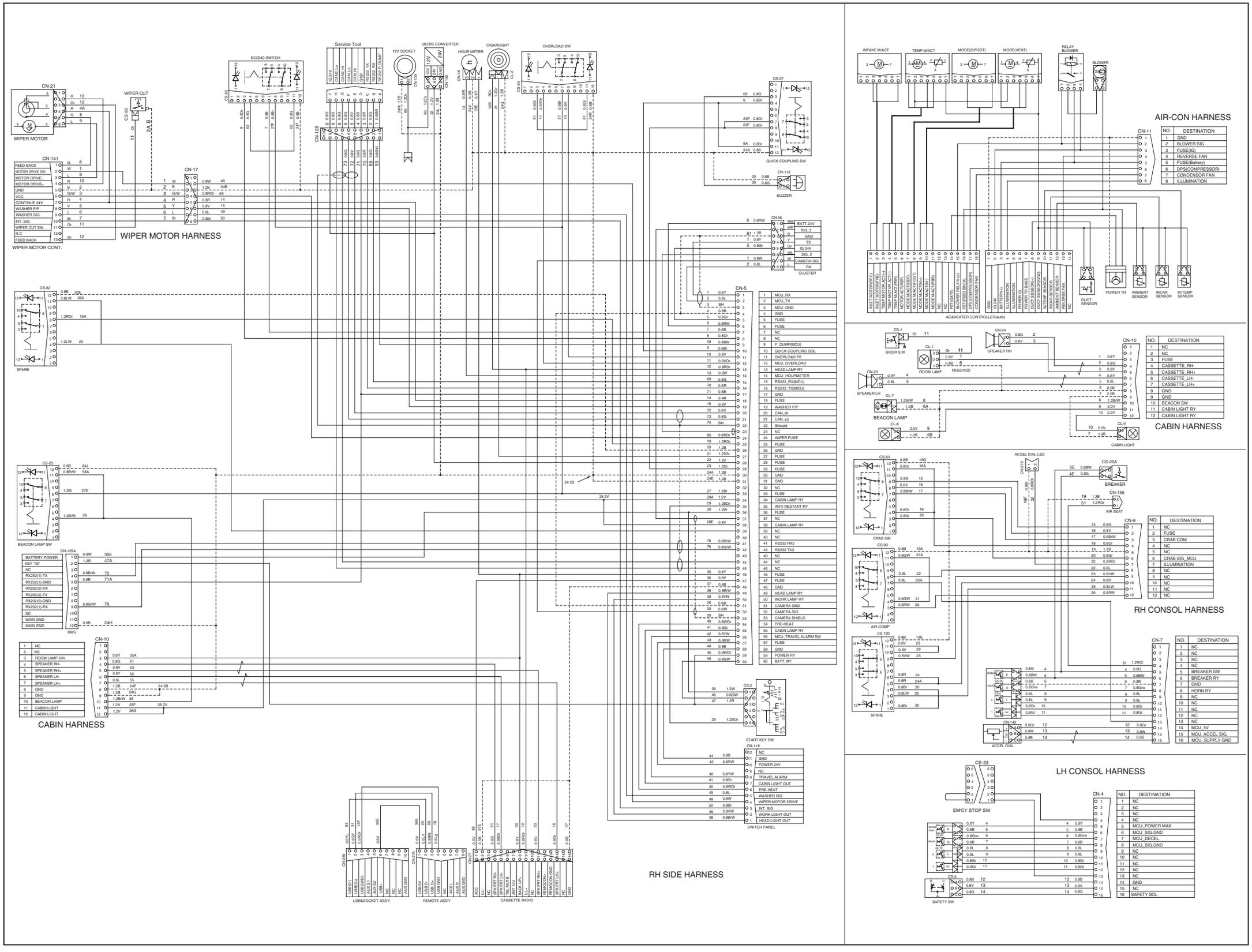
20Q7-08102(1/2)

R260LC-9S(Cluster type 1, CURRENT)



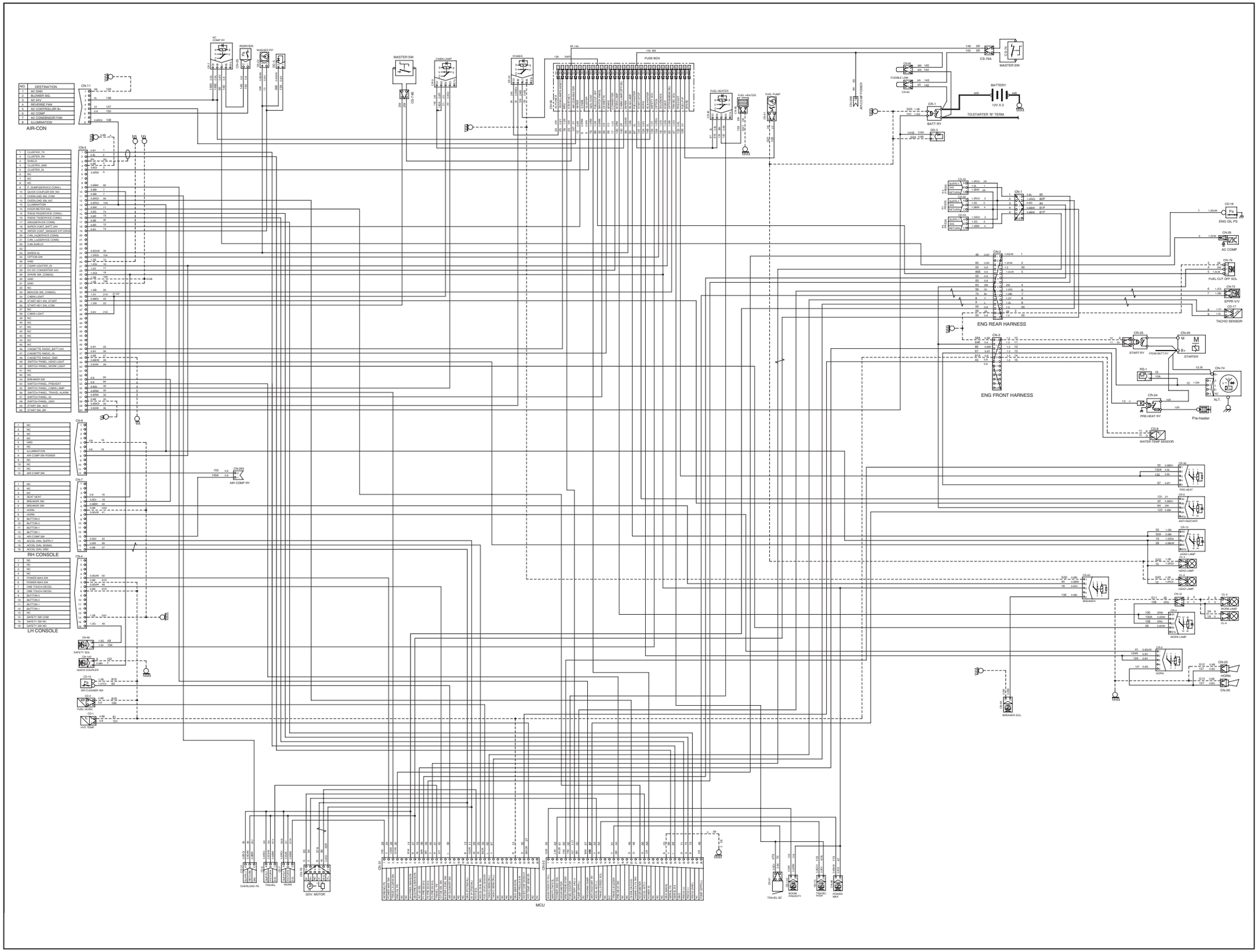
20Q7-08103(1/2)

■ R260LC-9S(Cluster type 1, #0001-)



20Q7-08101(2/2)

R260LC-9S(Cluster type 2, #0001-)



20Q7-08202(1/2)

WIPER MOTOR

WIPER CUT

ECONO SWITCH

Service Tool

12V SOCKET

DC/DC CONVERTER

HOUR METER

CIGARLIGHT

OVERLOAD SW

QUICK COUPLING SW

BUZZER

WIPER MOTOR HARNESS

CLUSTER

SPARE

BEACON LAMP SW

BREAKER SW

CABIN HARNESS

START KEY SW

SWITCH PANEL

RH SIDE HARNESS

USB&SOCKET ASSY

REMOTE ASSY

CASSETTE RADIO

AIR-CON HARNESS

NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

AC&HEATER CONTROLLER(Auto)

DOOR S.W

SPEAKER RH

ROOM LAMP

SPEAKER LH

BEACON LAMP

CABIN LIGHT

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

CABIN HARNESS

ACCEL DIAL LED

BREAKER

AIR SEAT

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

RH CONSOLE HARNESS

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

ACCEL DIAL

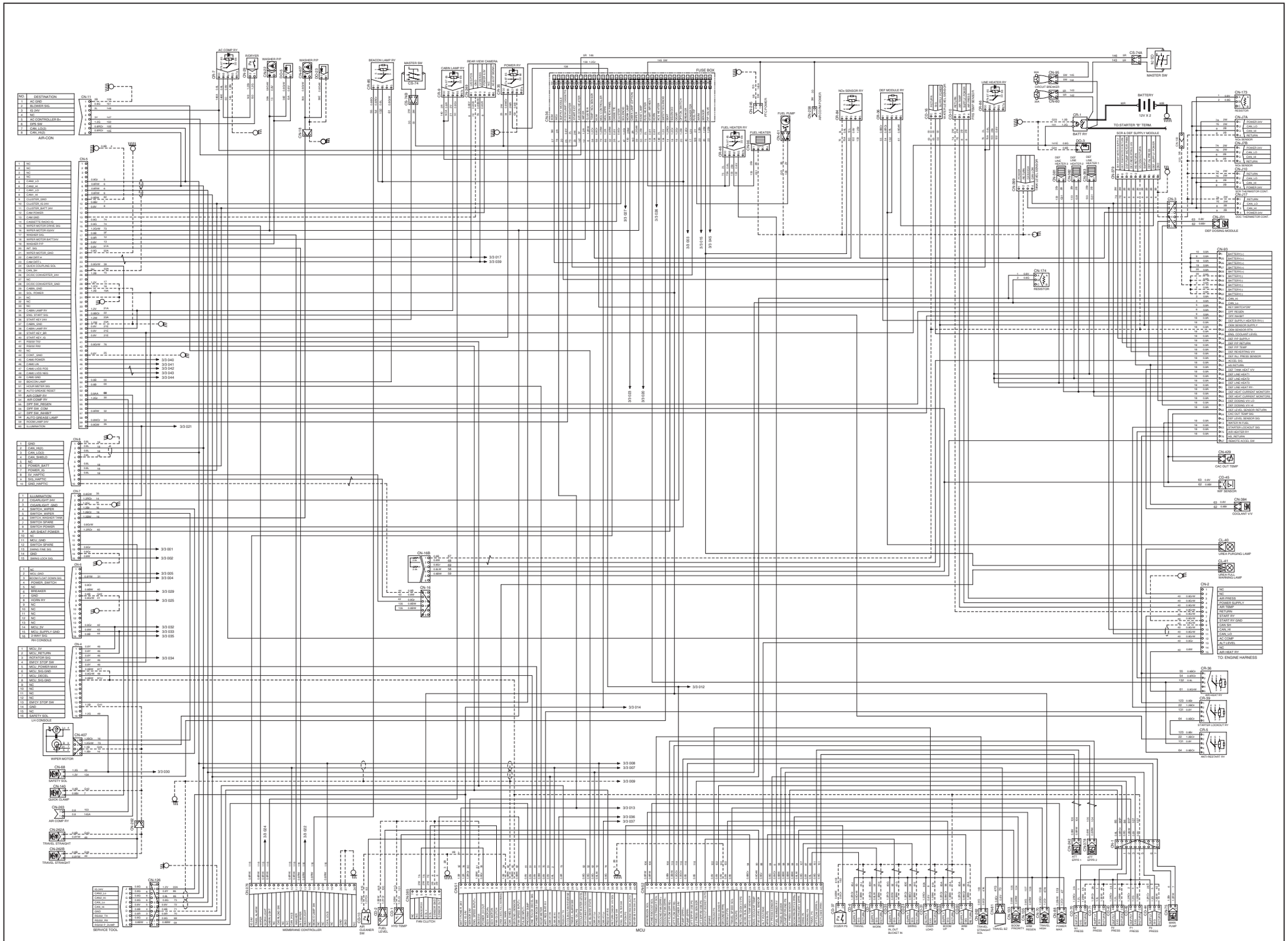
LH CONSOLE HARNESS

EM'CY STOP SW

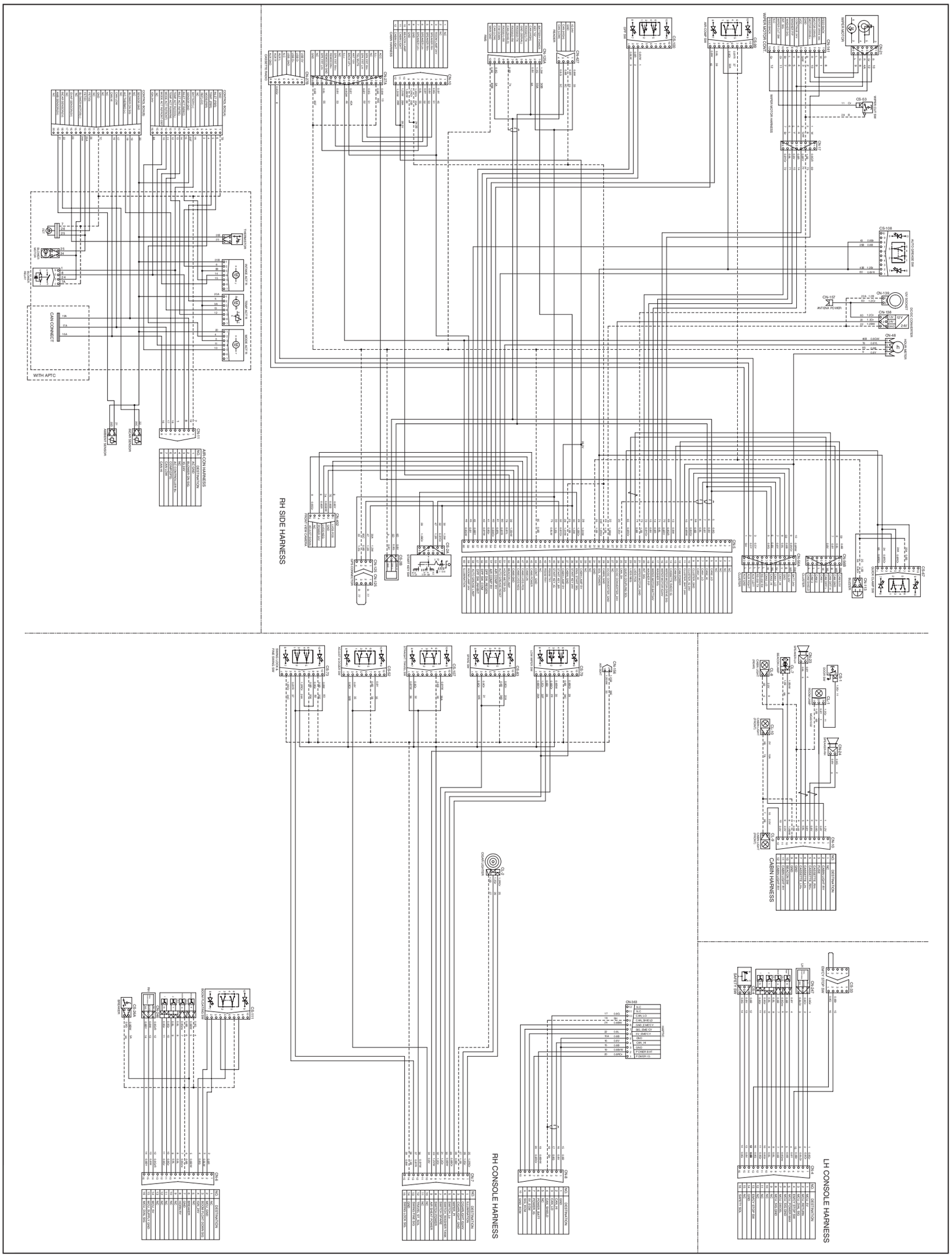
SAFETY SW

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

HX260 L(#0001~)

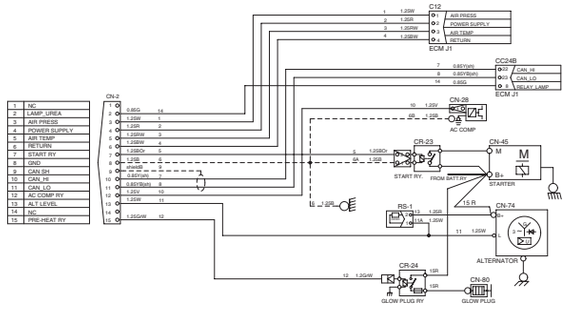


20K7-10302(1/3)



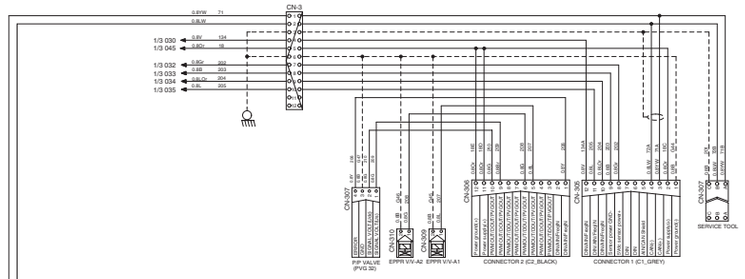
20K7-10302(2/3)

HX260 L(#0001~)

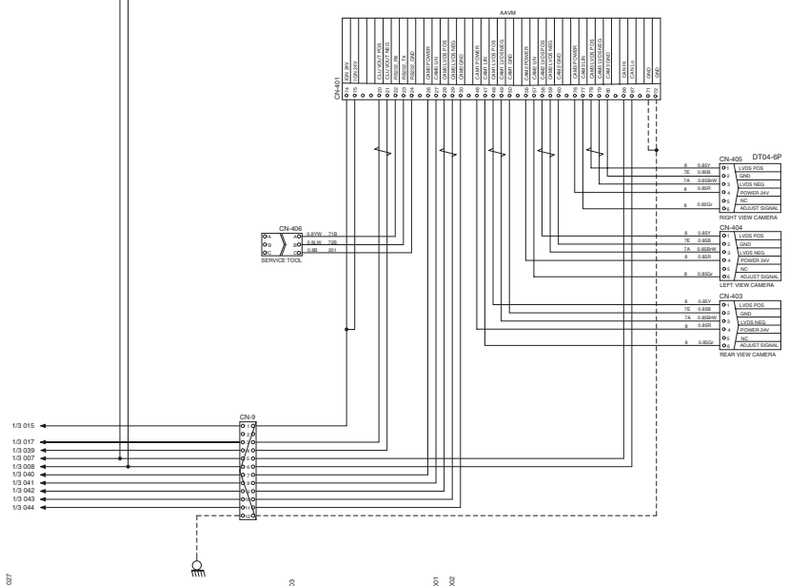


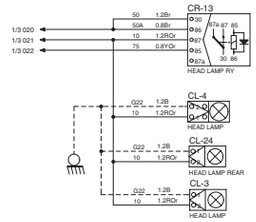
1	NC
2	LAMP_UREA
3	AIR PRESS
4	POWER SUPPLY
5	AIR TEMP
6	RETURN
7	START RY
8	GND
9	CAN_SH
10	CAN_HI
11	CAN_LO
12	AC COMP RY
13	ALT LEVEL
14	NC
15	PRE-HEAT RY

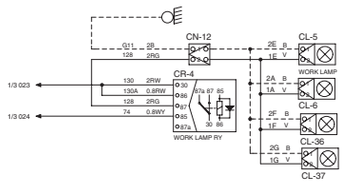
ENGINE HARNESS

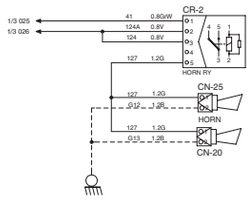


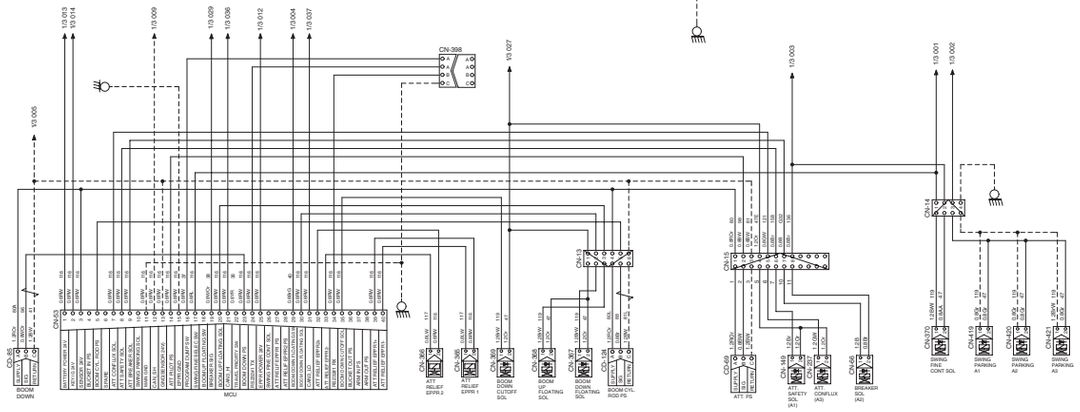
PROPORTIONAL VALVE & LEVER



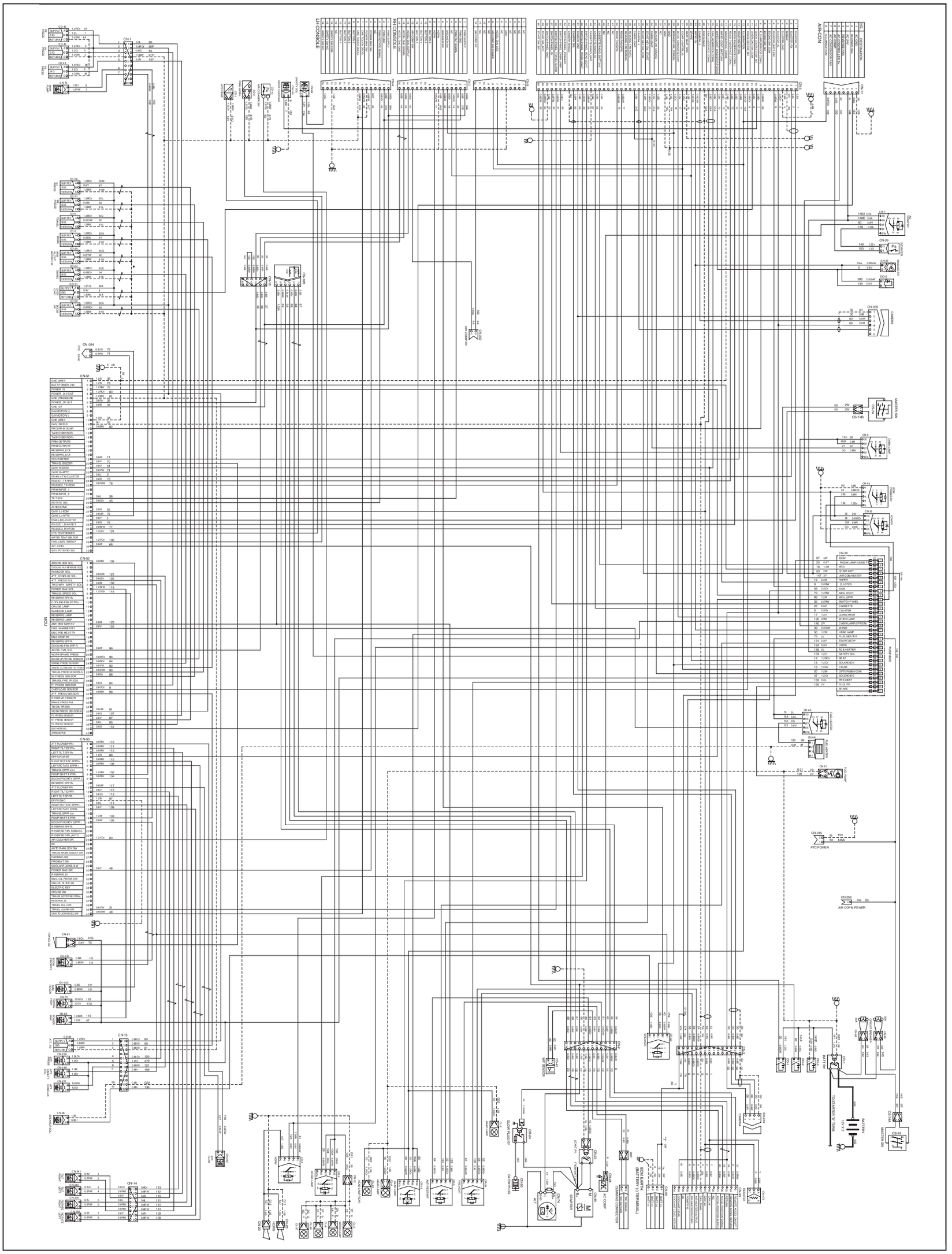




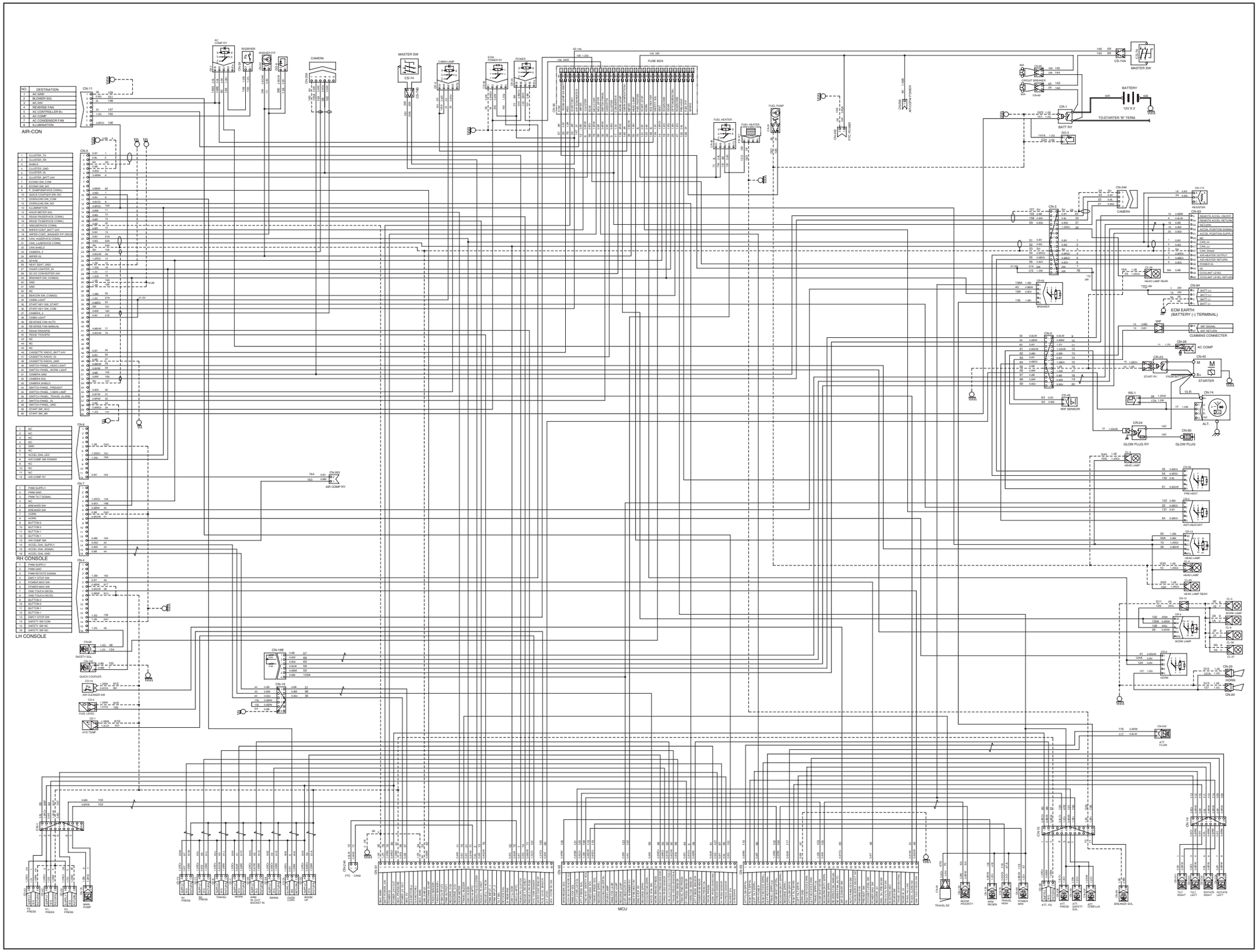




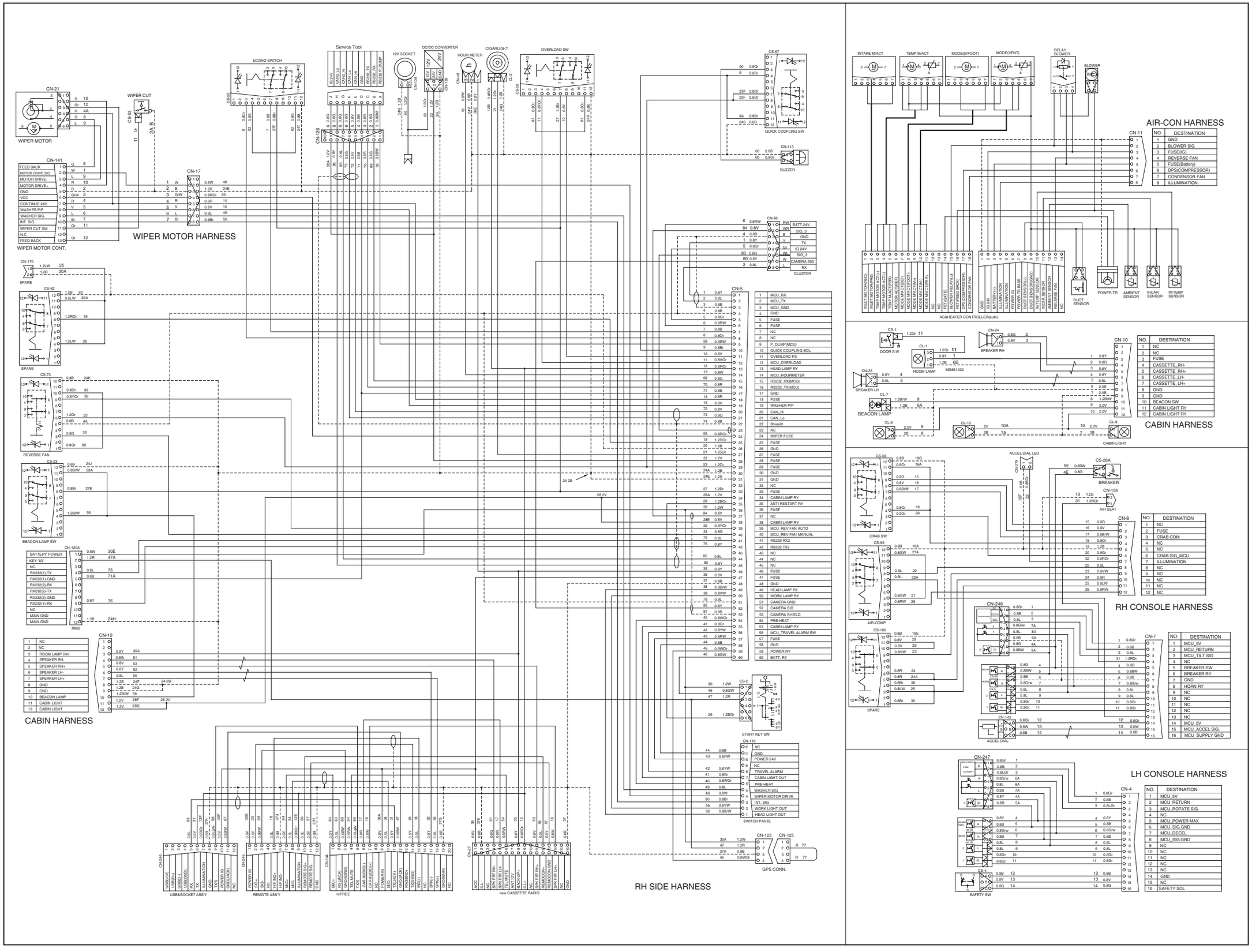
20K7-10302(3/3)



R290LC-9(CURRENT)



20Q8-07106(1/2)



NO.	DESTINATION
1	GND
2	BLOWER SIG.
3	FUSE(I/G)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	MCU_RX
2	MCU_TX
3	MCU_GND
4	GND
5	FUSE
6	FUSE
7	NC
8	NC
9	P_DUMP(MCU)
10	QUICK COUPLING SOL
11	OVERLOAD PS
12	MCU_OVERLOAD
13	HEAD LAMP RY
14	MCU_HOURMETER
15	RS232_RX(MCU)
16	RS232_TX(MCU)
17	GND
18	FUSE
19	WASHER P/P
20	CAN_Hi
21	CAN_Lo
22	Shield
23	NC
24	WIPER FUSE
25	FUSE
26	GND
27	FUSE
28	FUSE
29	FUSE
30	GND
31	GND
32	NC
33	FUSE
34	CABIN LAMP RY
35	ANTI RESTART RY
36	FUSE
37	NC
38	CABIN LAMP RY
39	MCU_REV FAN AUTO
40	MCU_REV FAN MANUAL
41	RS232 RX2
42	RS232 TX2
43	NC
44	NC
45	NC
46	FUSE
47	FUSE
48	GND
49	HEAD LAMP RY
50	WORK LAMP RY
51	CAMERA GND
52	CAMERA SIG
53	CAMERA SHIELD
54	PRE-HEAT
55	CABIN LAMP RY
56	MCU_TRAVEL ALARM SW
57	FUSE
58	GND
59	POWER RY
60	BATT. RY

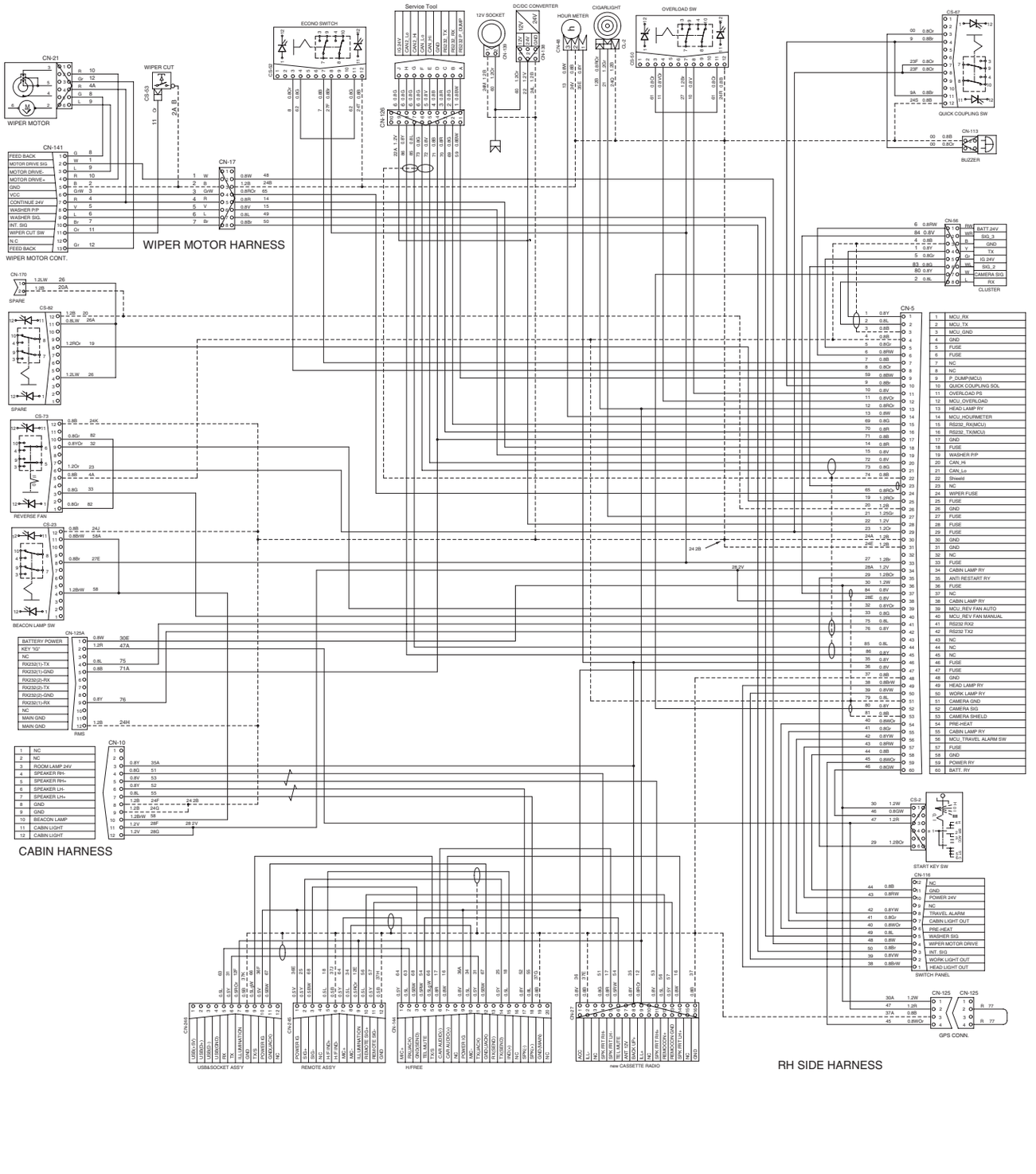
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

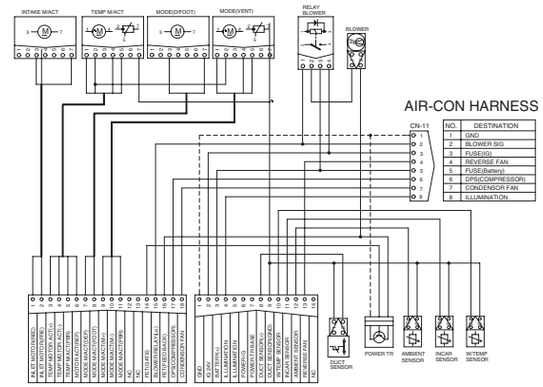
NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_TILT SIG
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

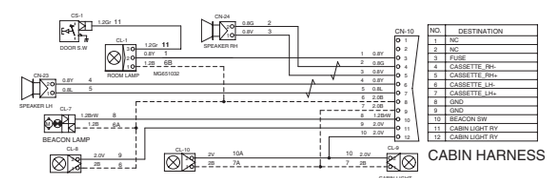
NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_ROTATE SIG
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R290LC-9(CURRENT)

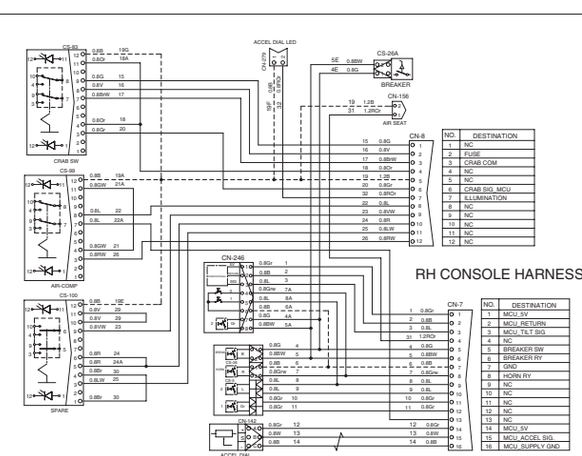




NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

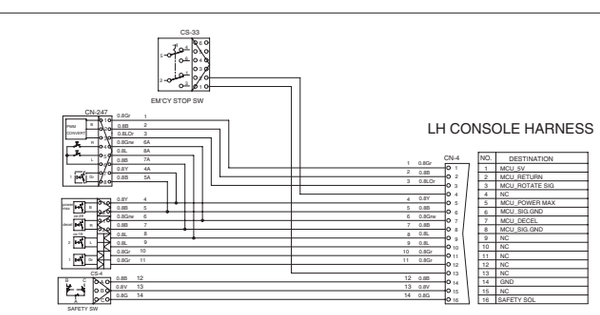


NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY



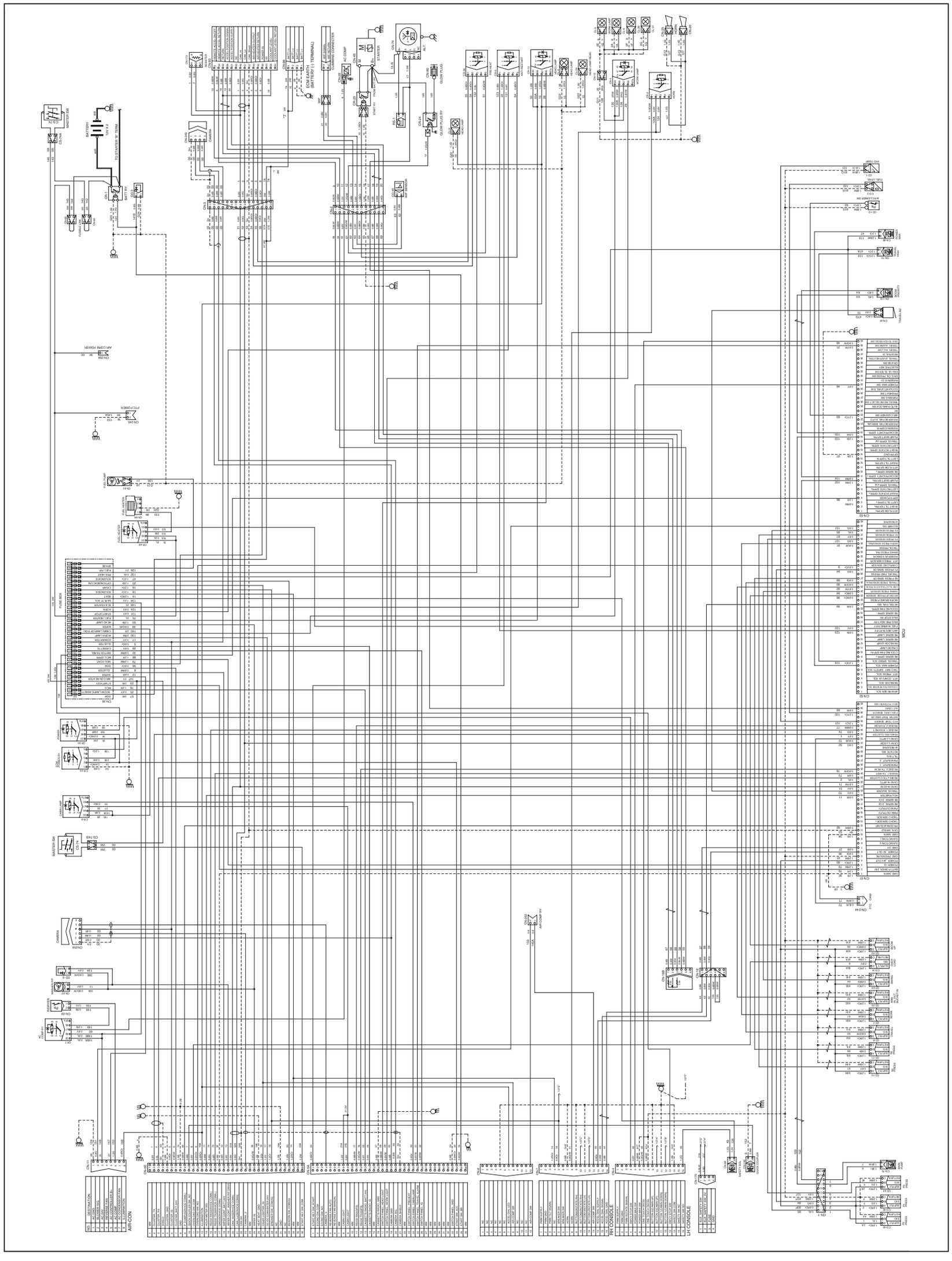
NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_TILT SIG
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG
16	MCU_SUPPLY GND



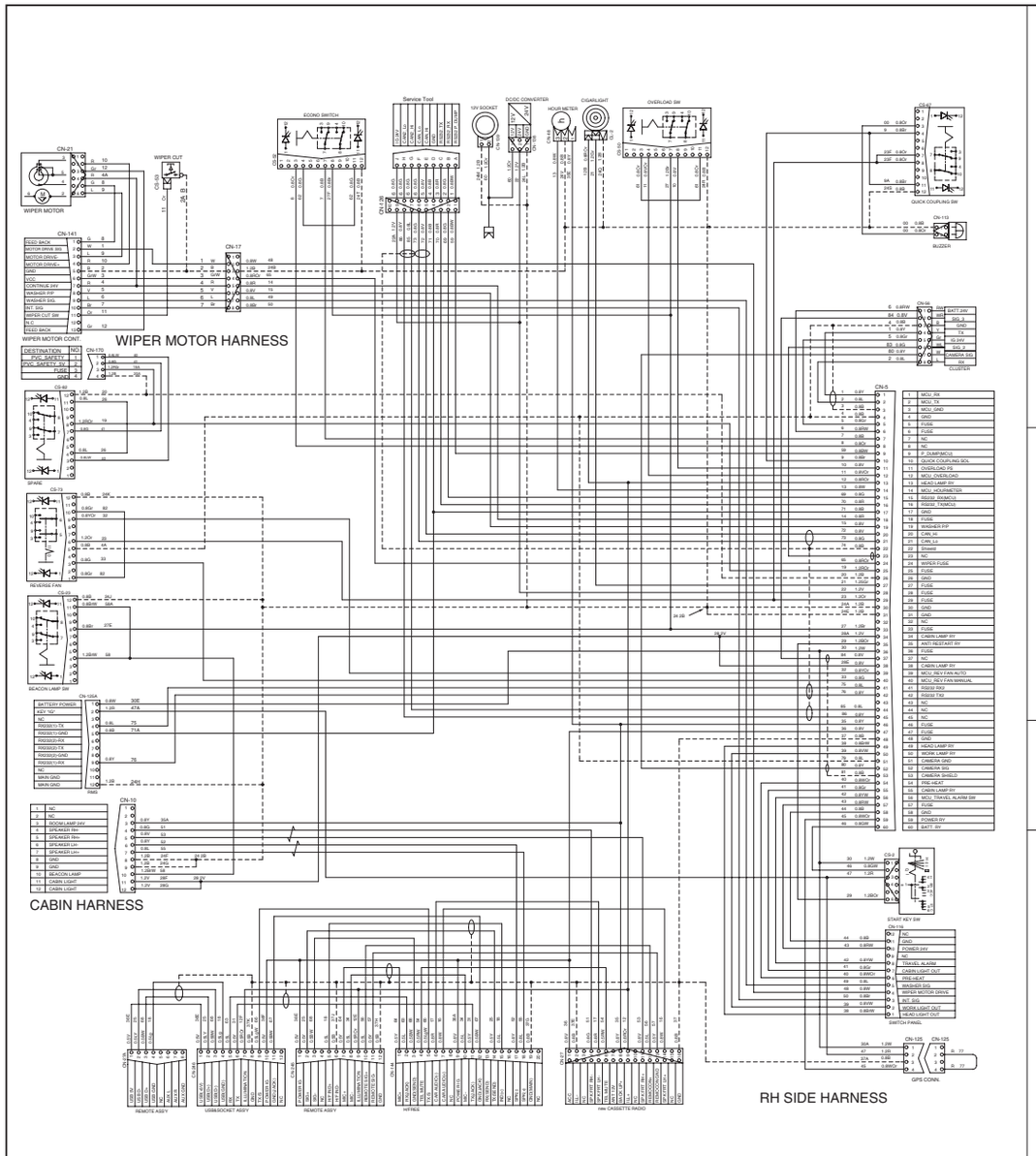
NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_ROTATE SIG
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

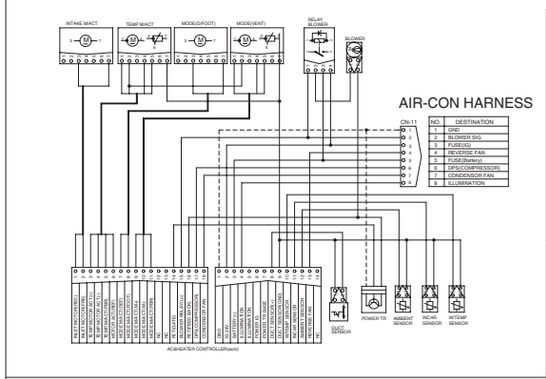
20Q8-07106(2/2)

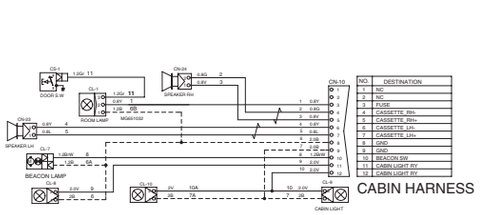


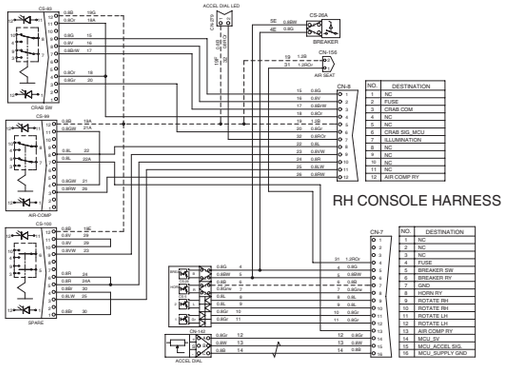
■ R290LC-9MH(ELEVATING CAB, #0001~)

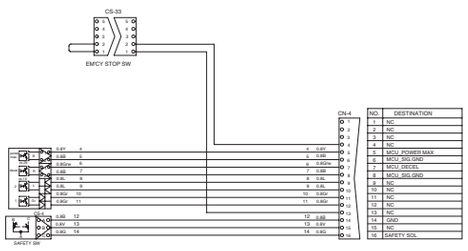
R290LC-9MH(ELEVATING CAB, #0001~)



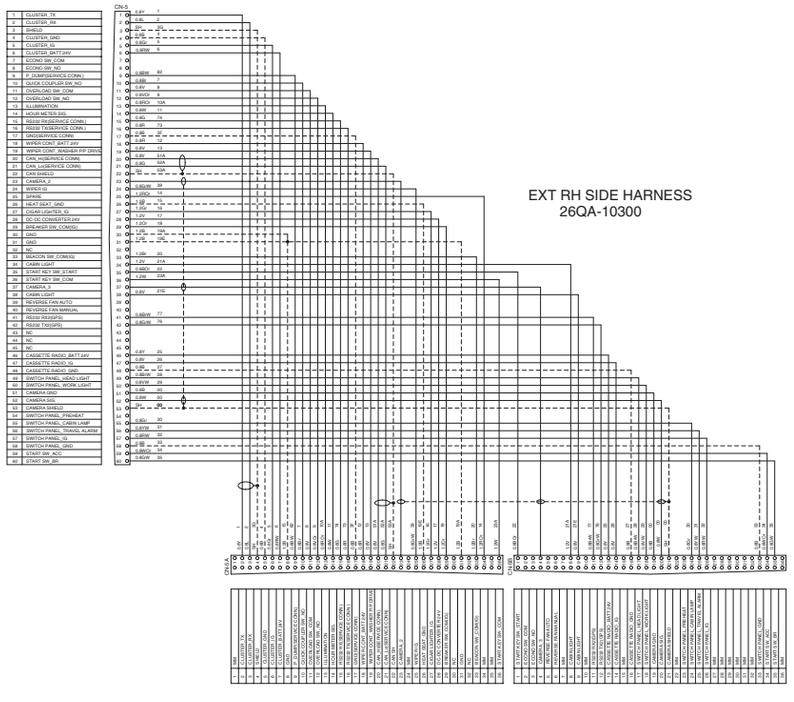


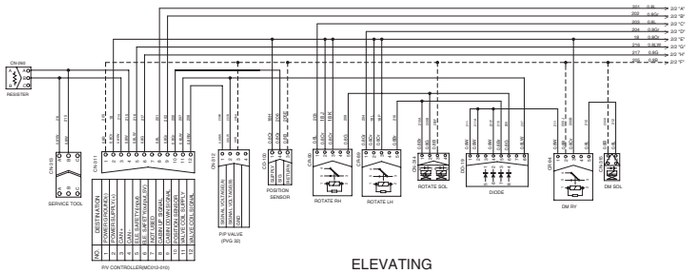




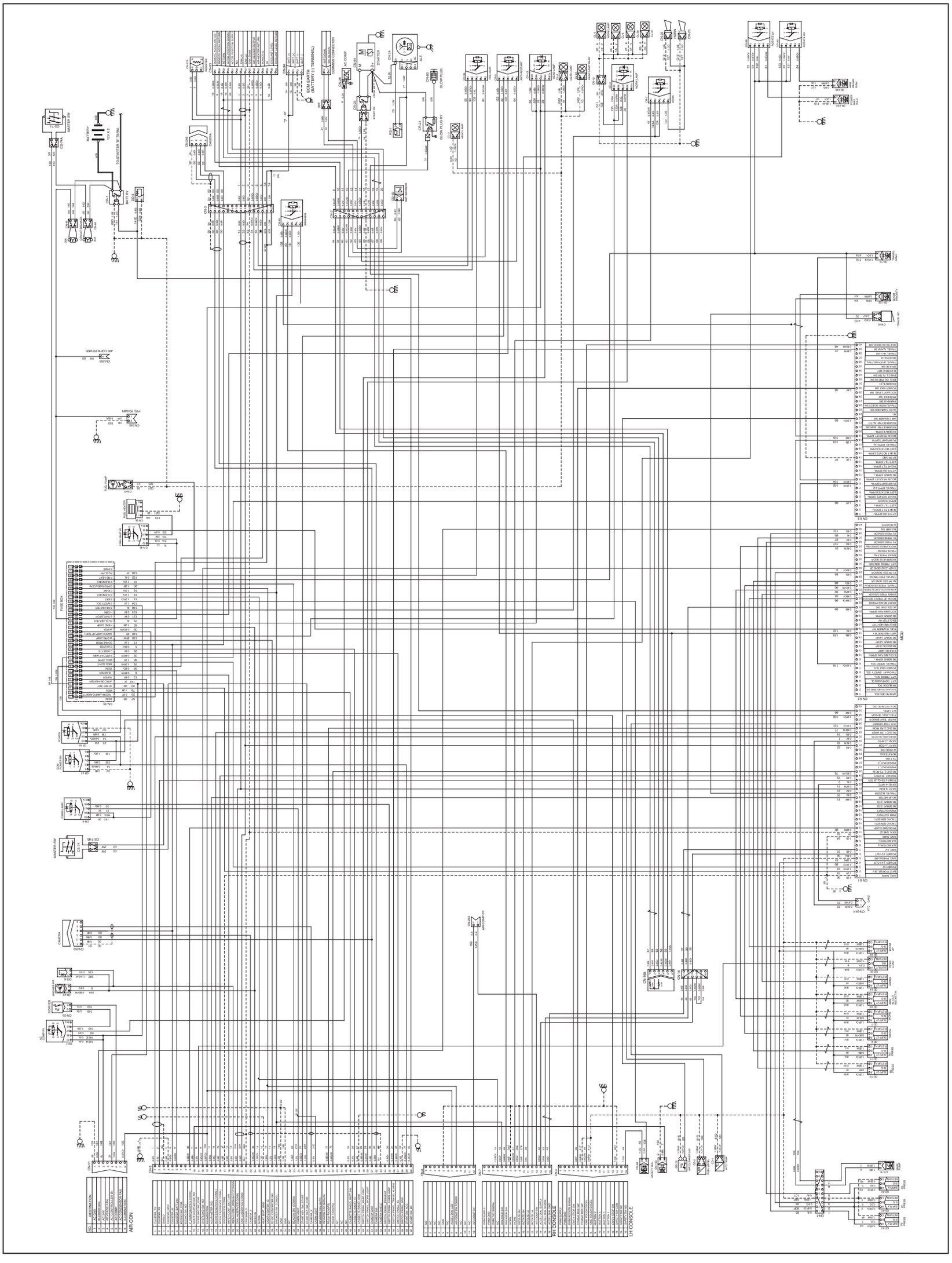






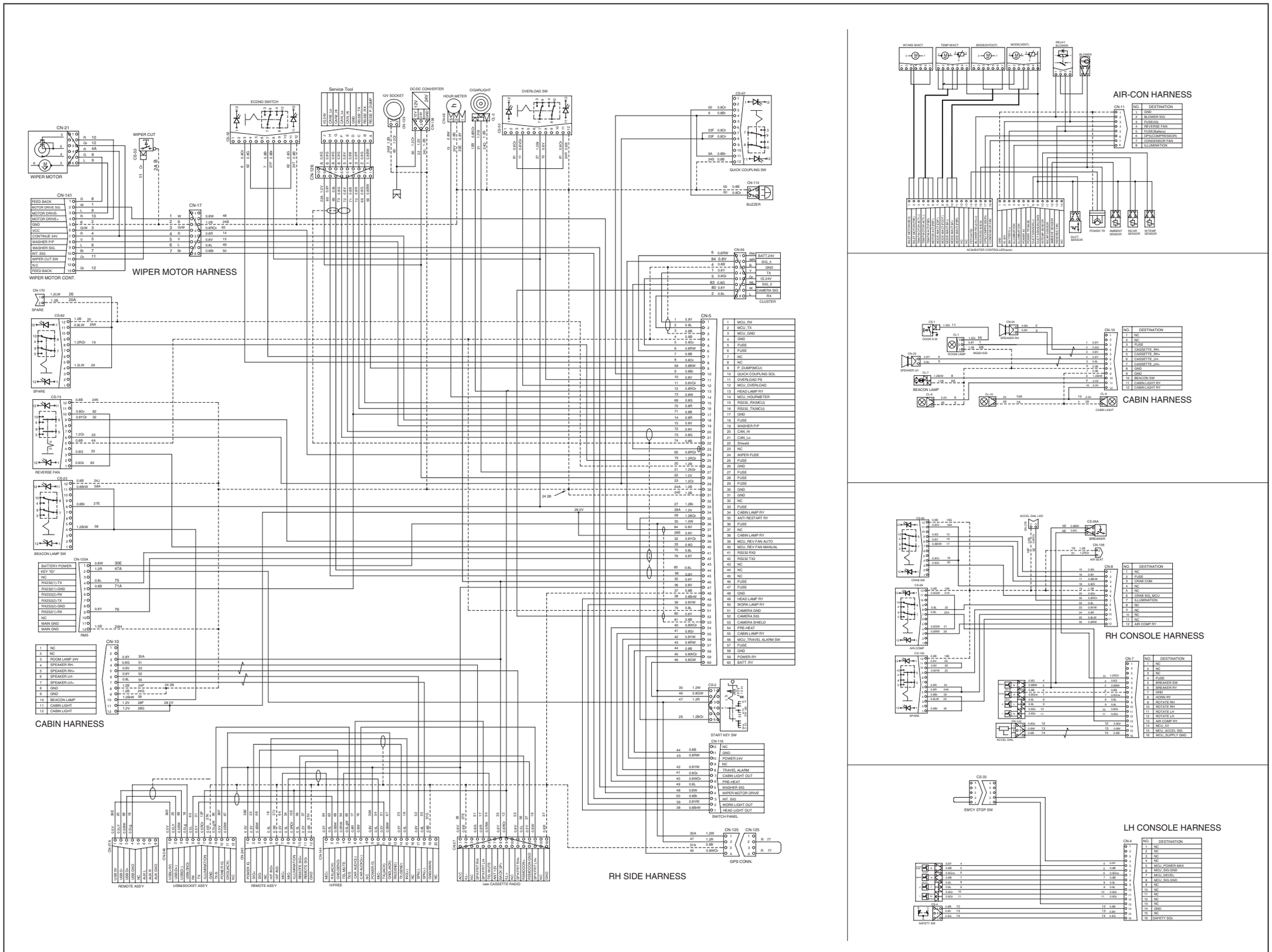


20Q8-09202(2/2)

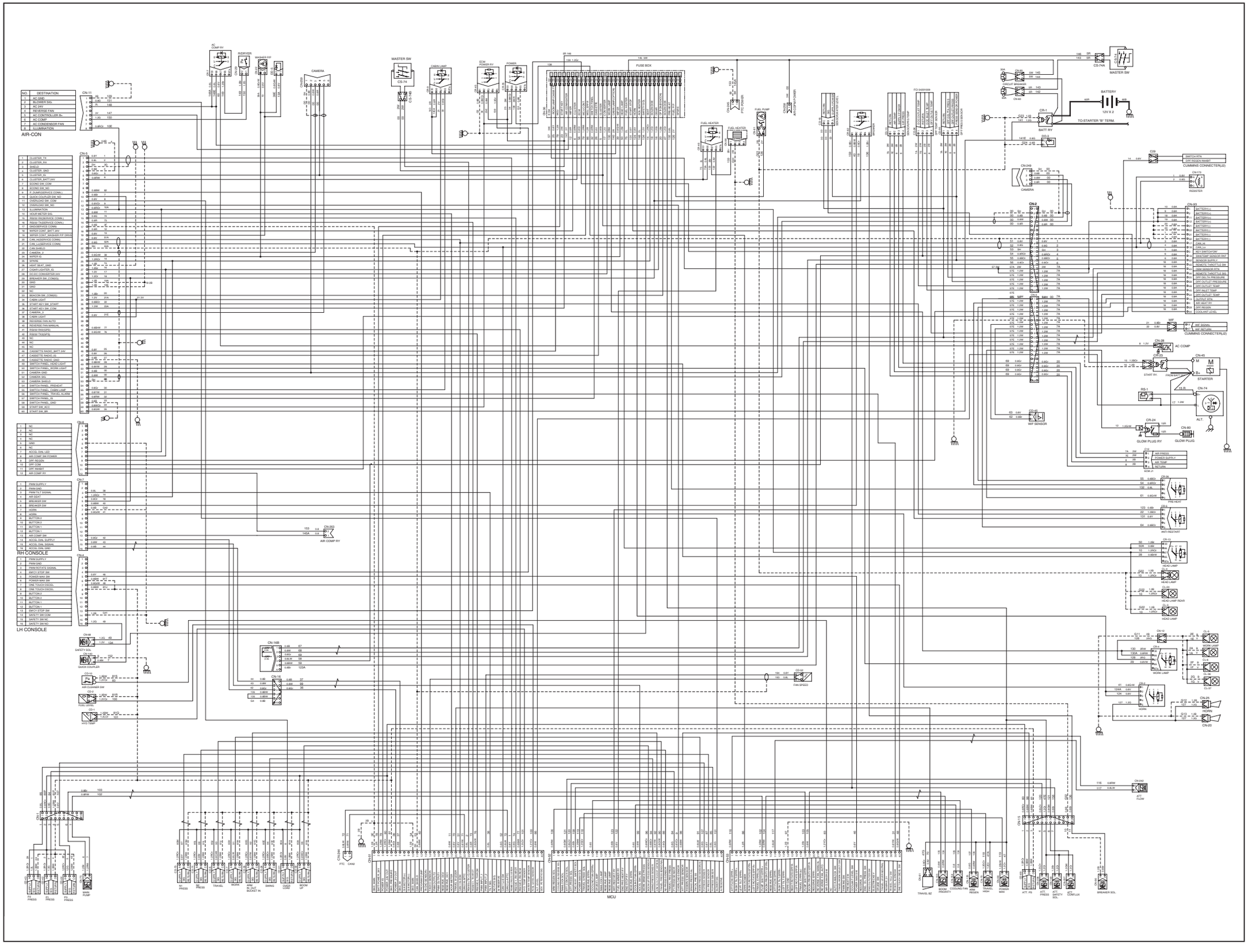


■ R290LC-9MH(TILT CAB, #0001~)

R290LC-9MH(TILT CAB, #0001~)

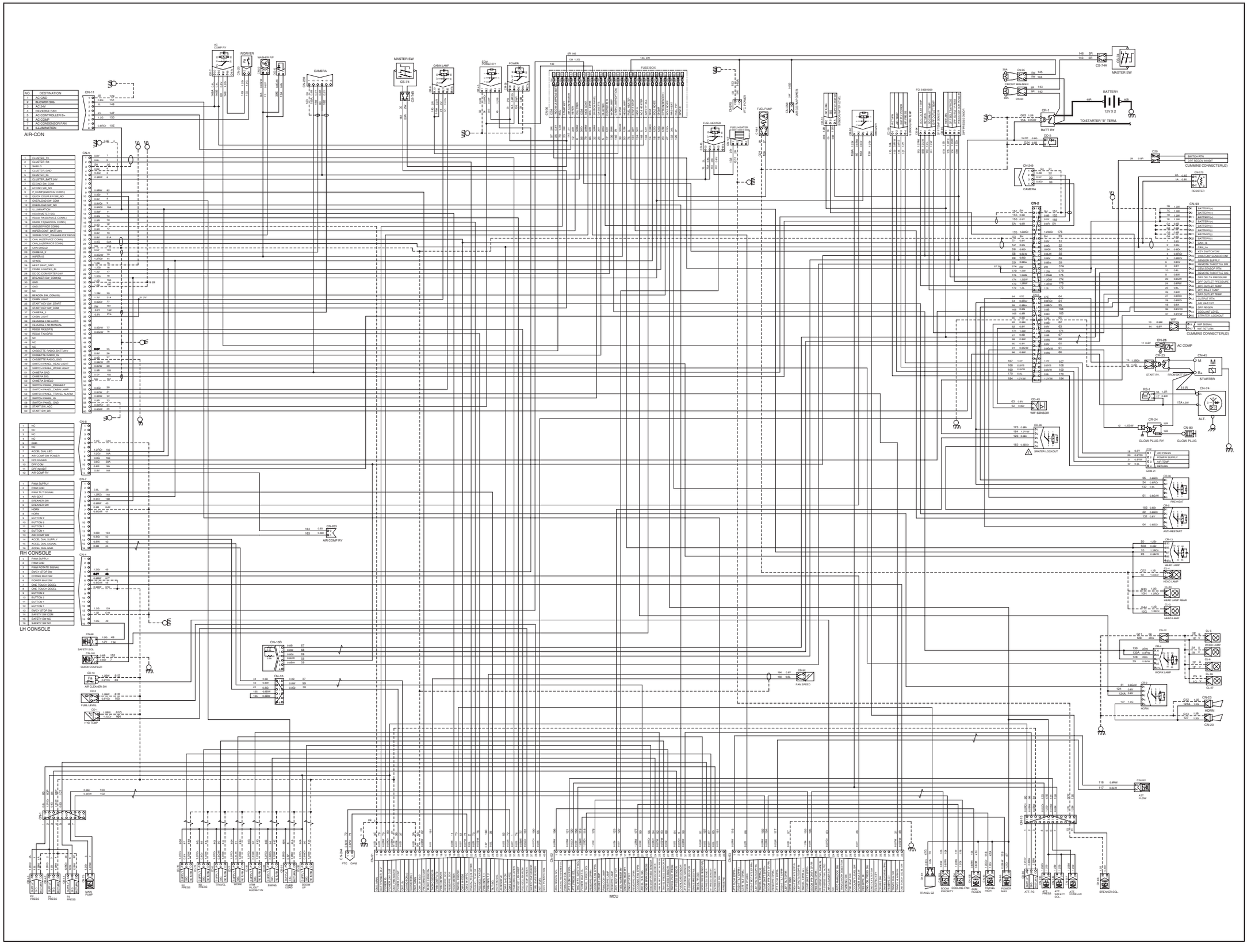


20Q8-09200(2/2)

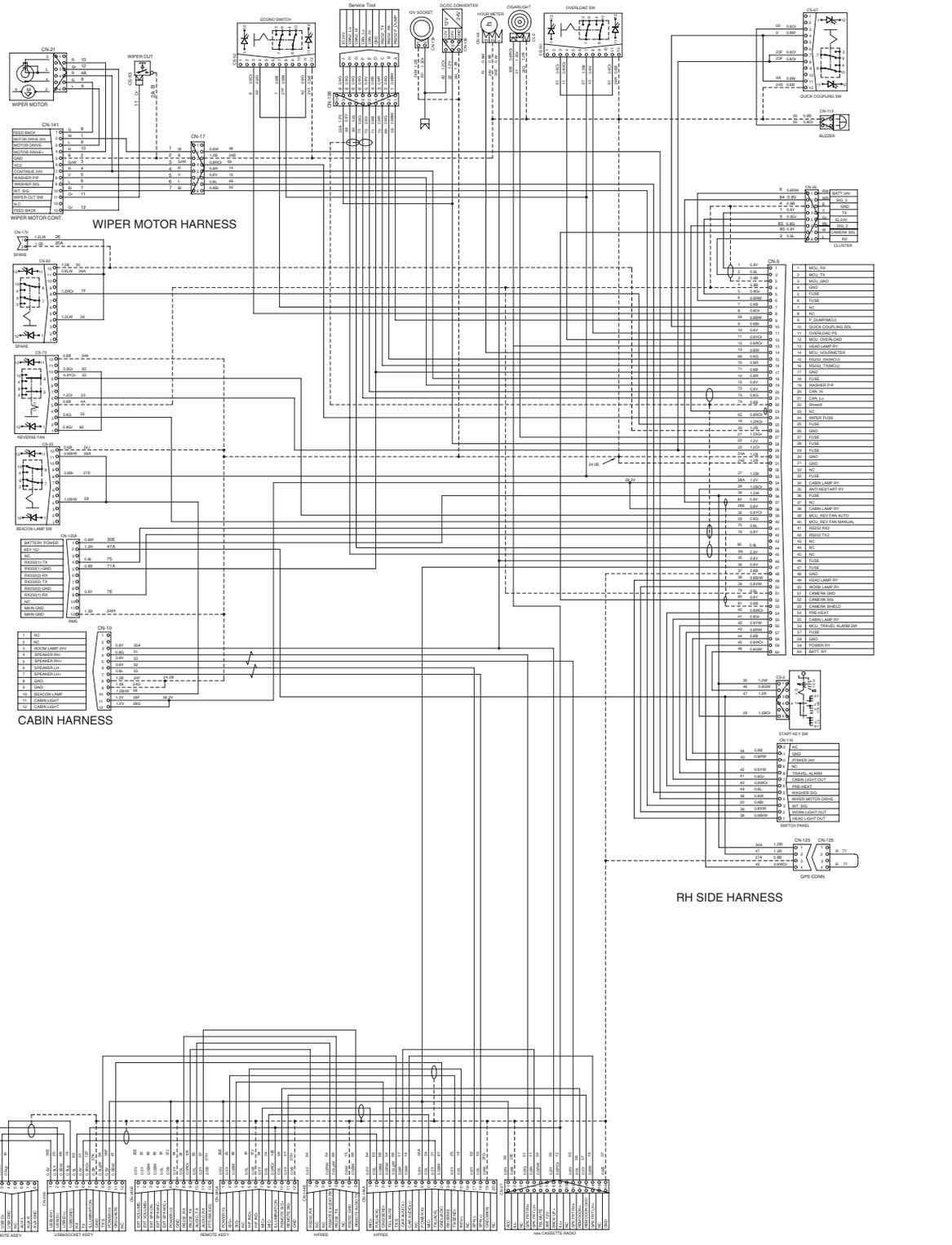


20Q8-09101(1/2)

R300LC-9A(CURRENT)

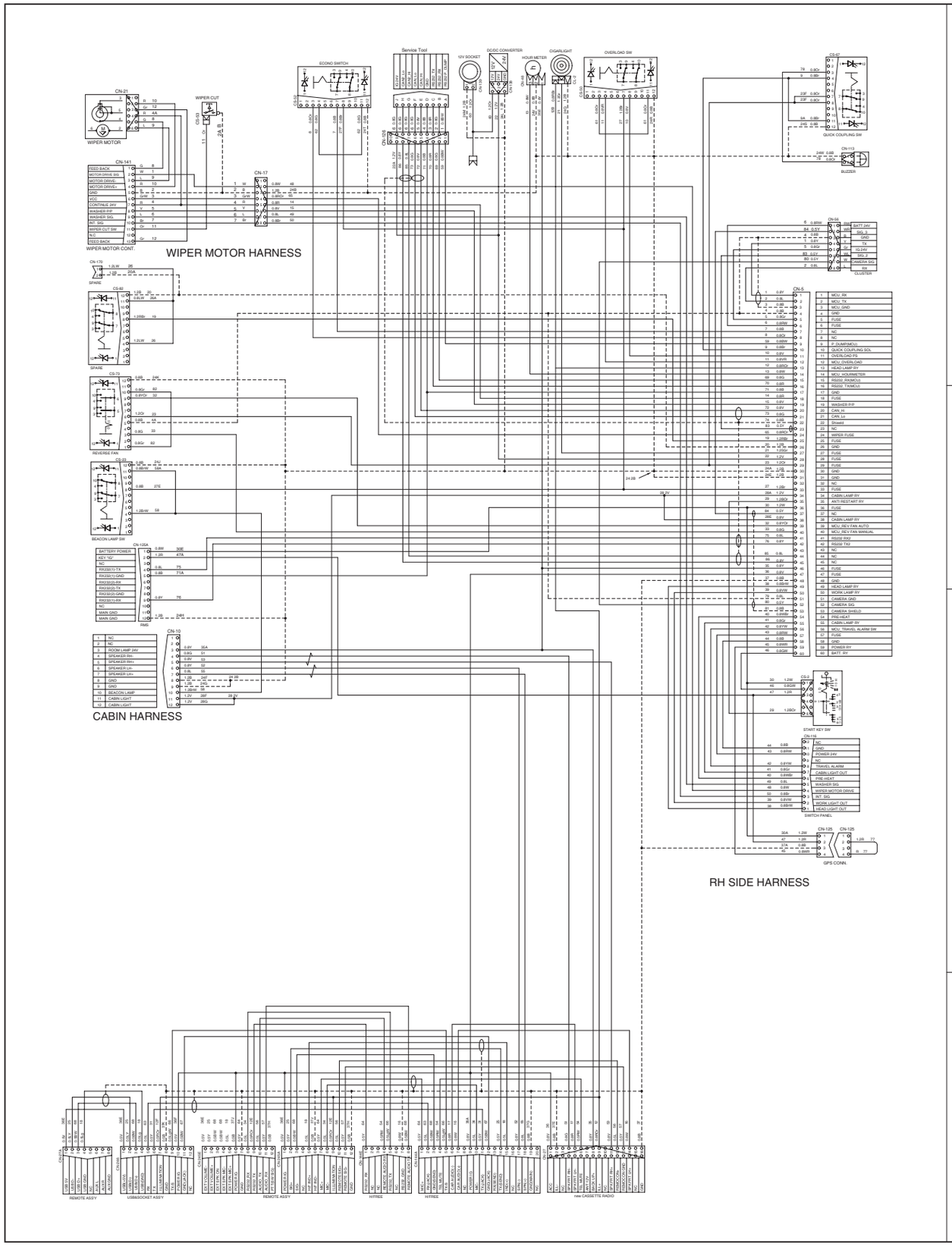


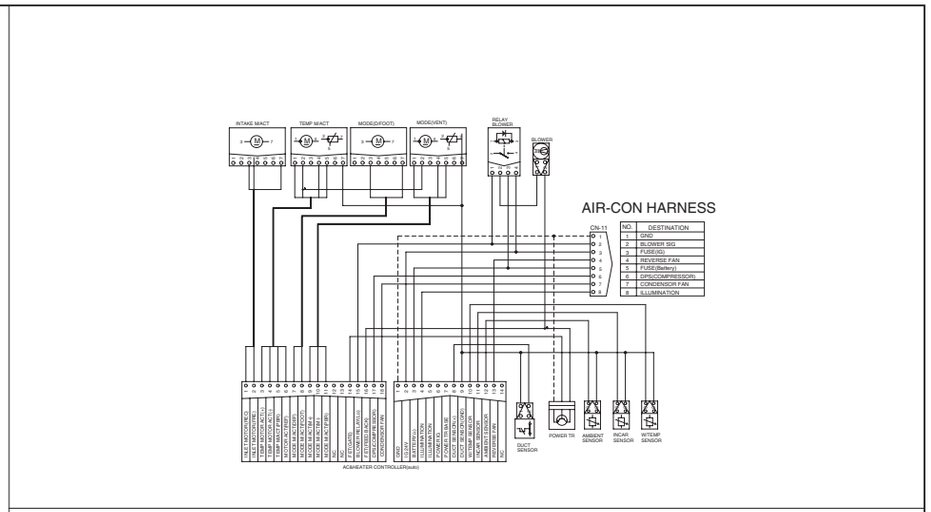
20Q8-09102(1/2)

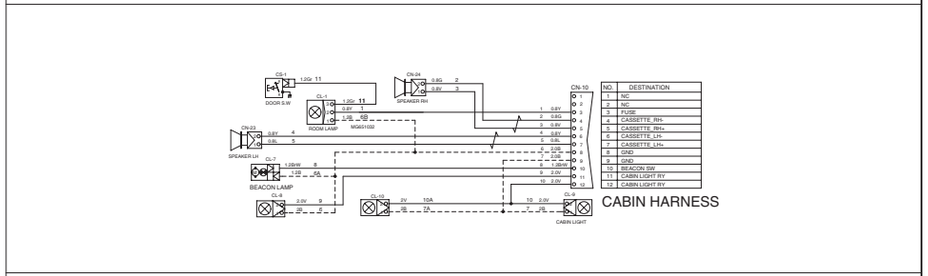


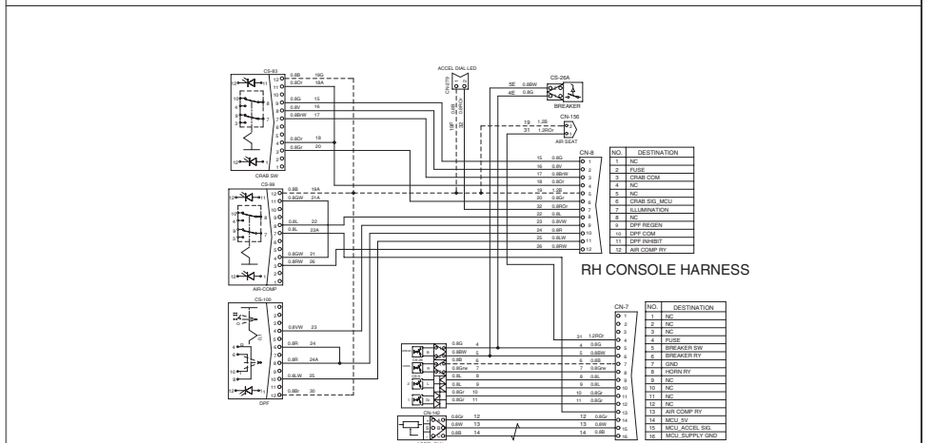
20Q8-09101(2/2)

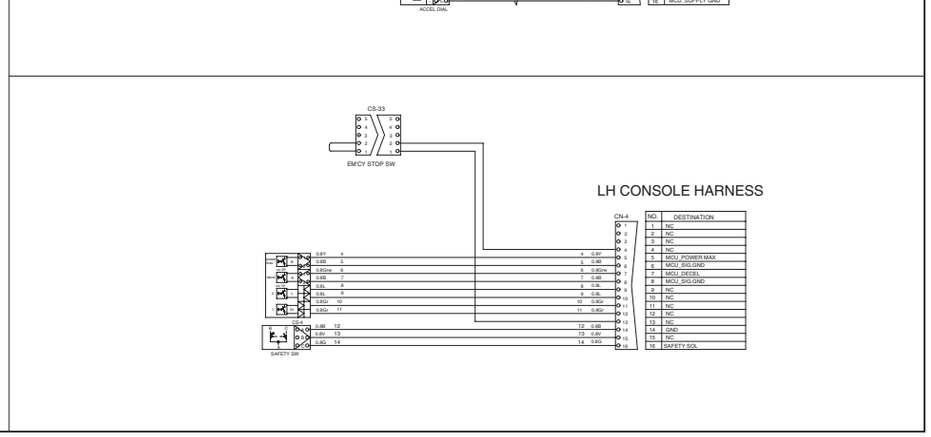
R300LC-9A(CURRENT)



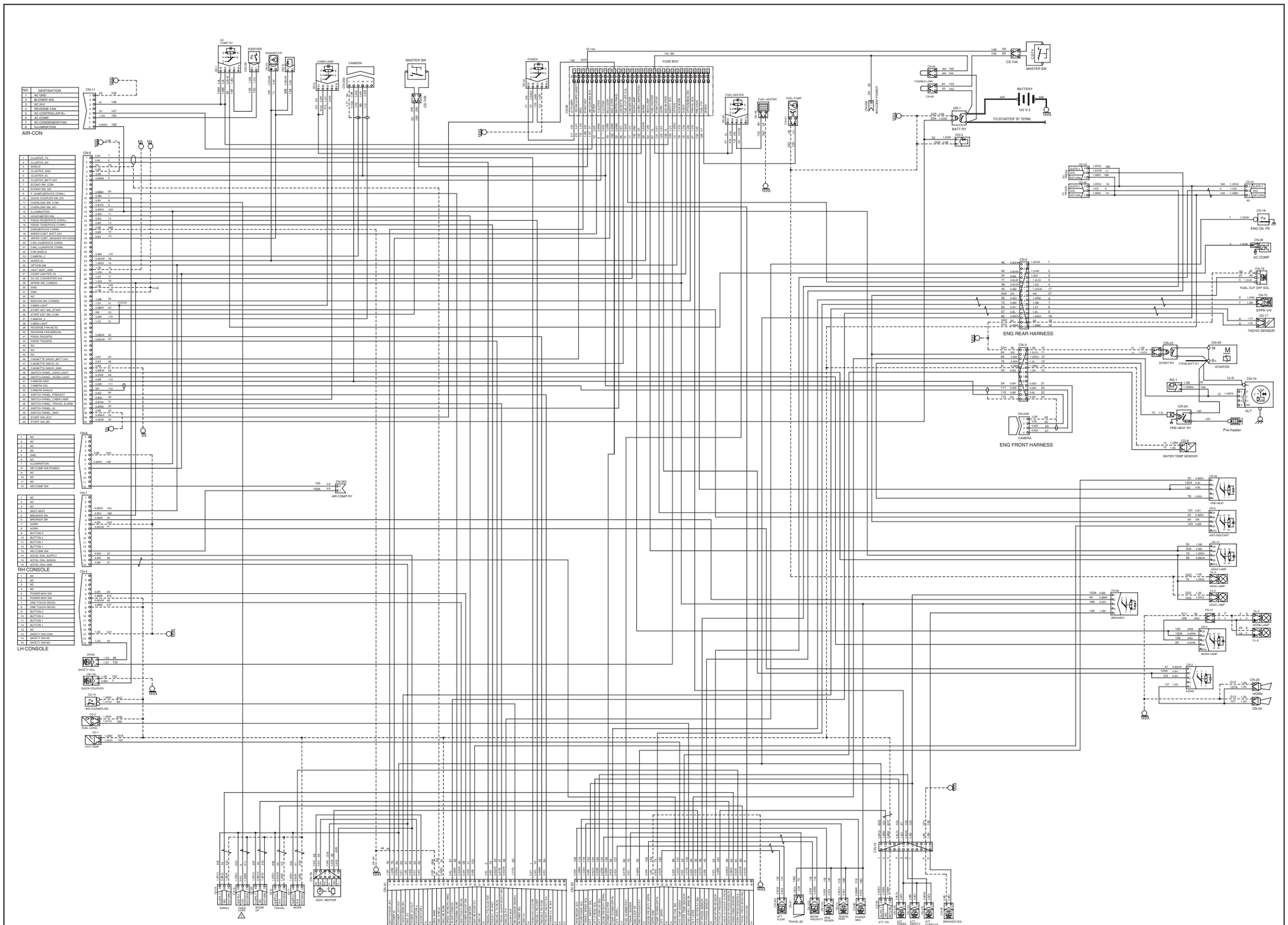






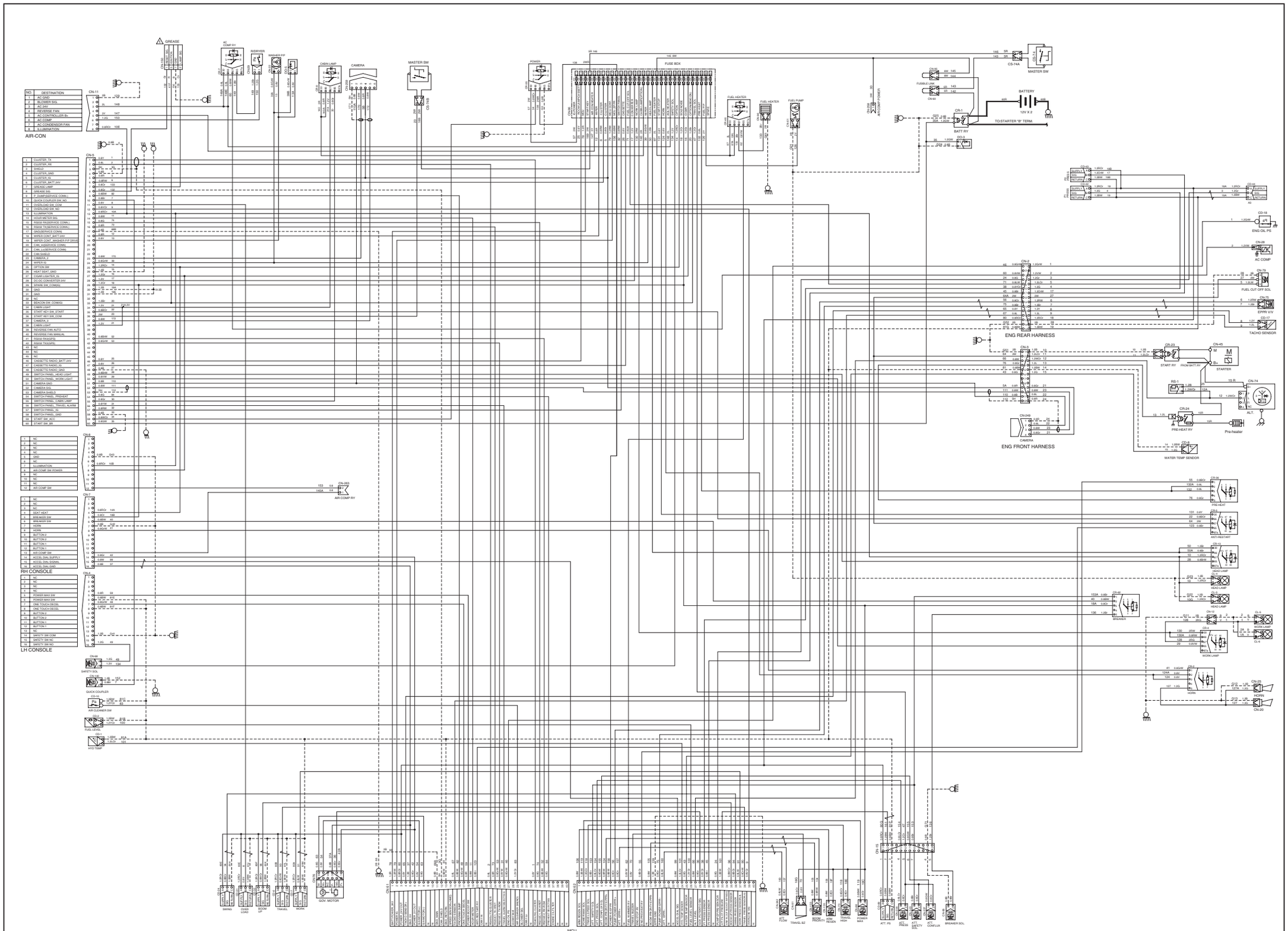


20Q8-09102(2/2)

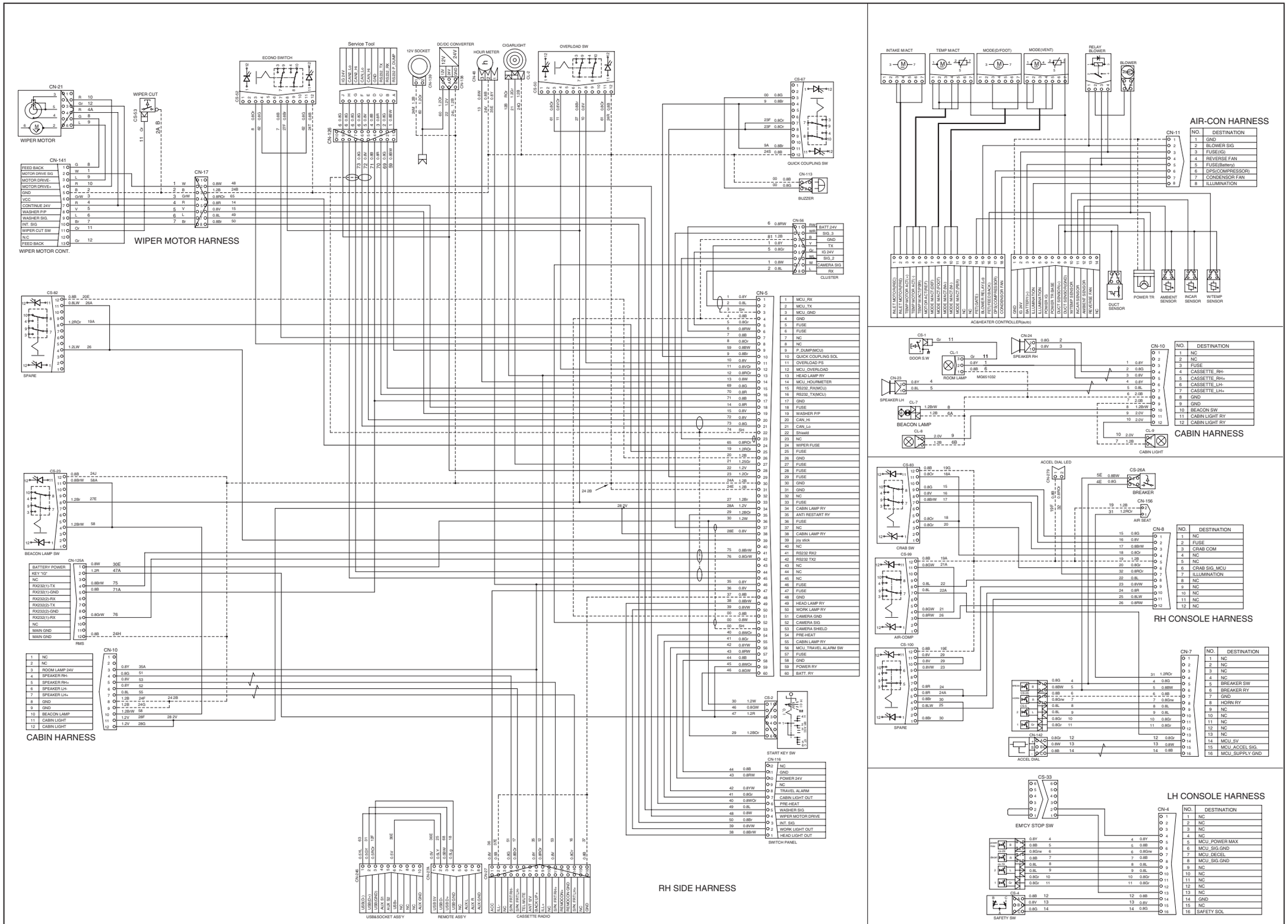


20Q8-06302(1/2)

R300LC-9S(Cluster type 1, CURRENT)



20Q8-06303(1/2)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

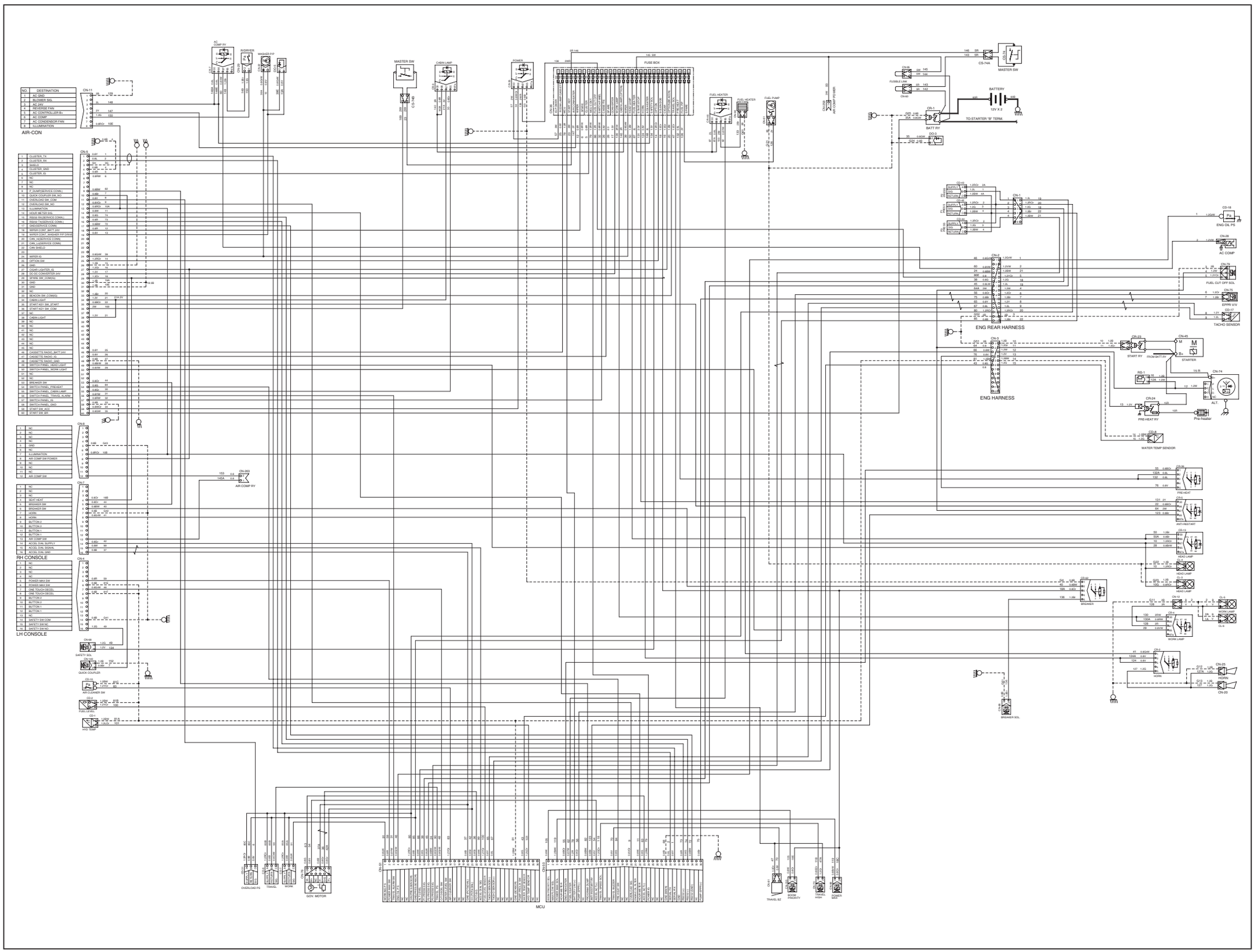
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

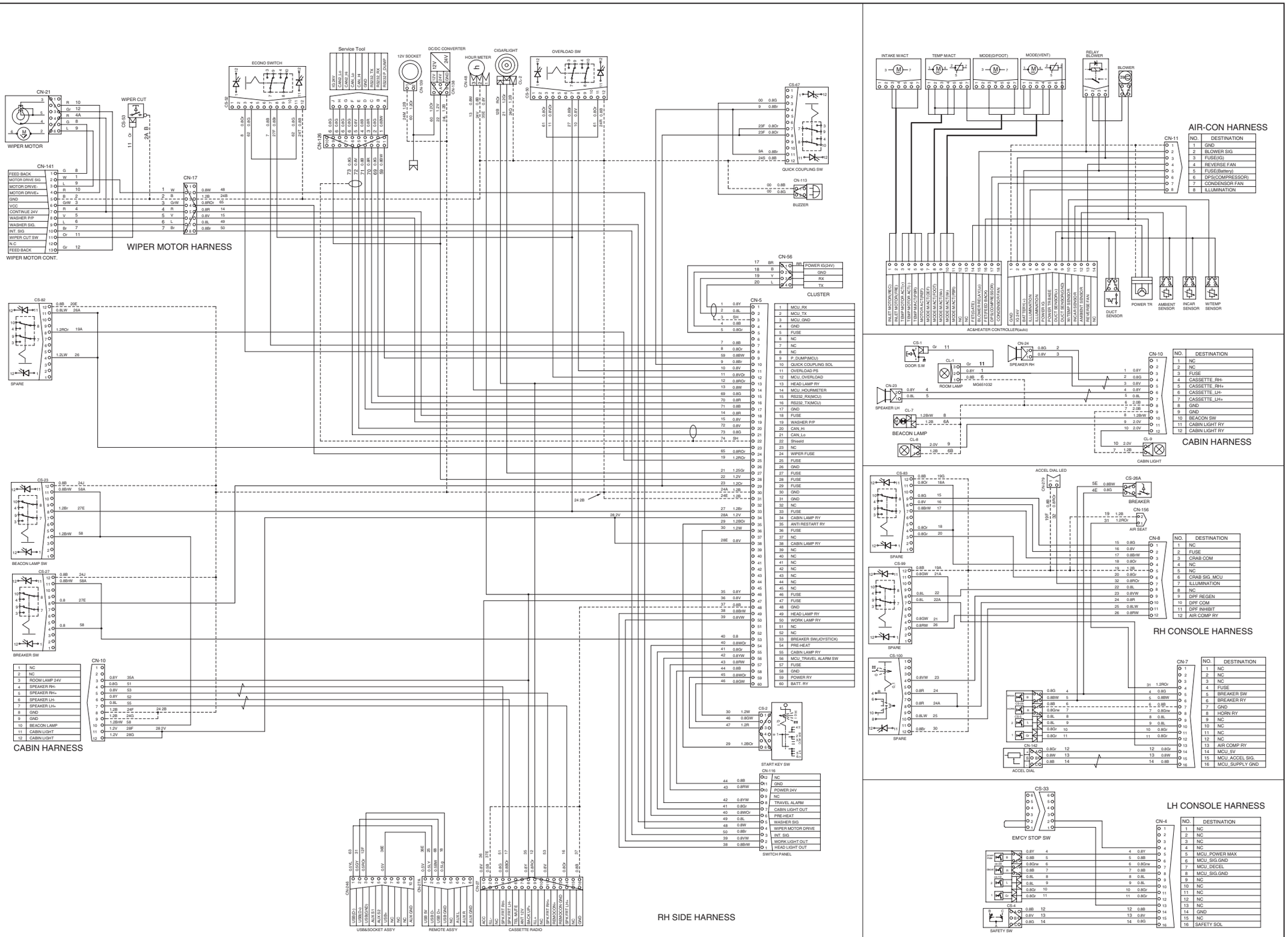
NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R300LC-9S(Cluster type 2, #0001~)



20Q8-06201(1/2)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

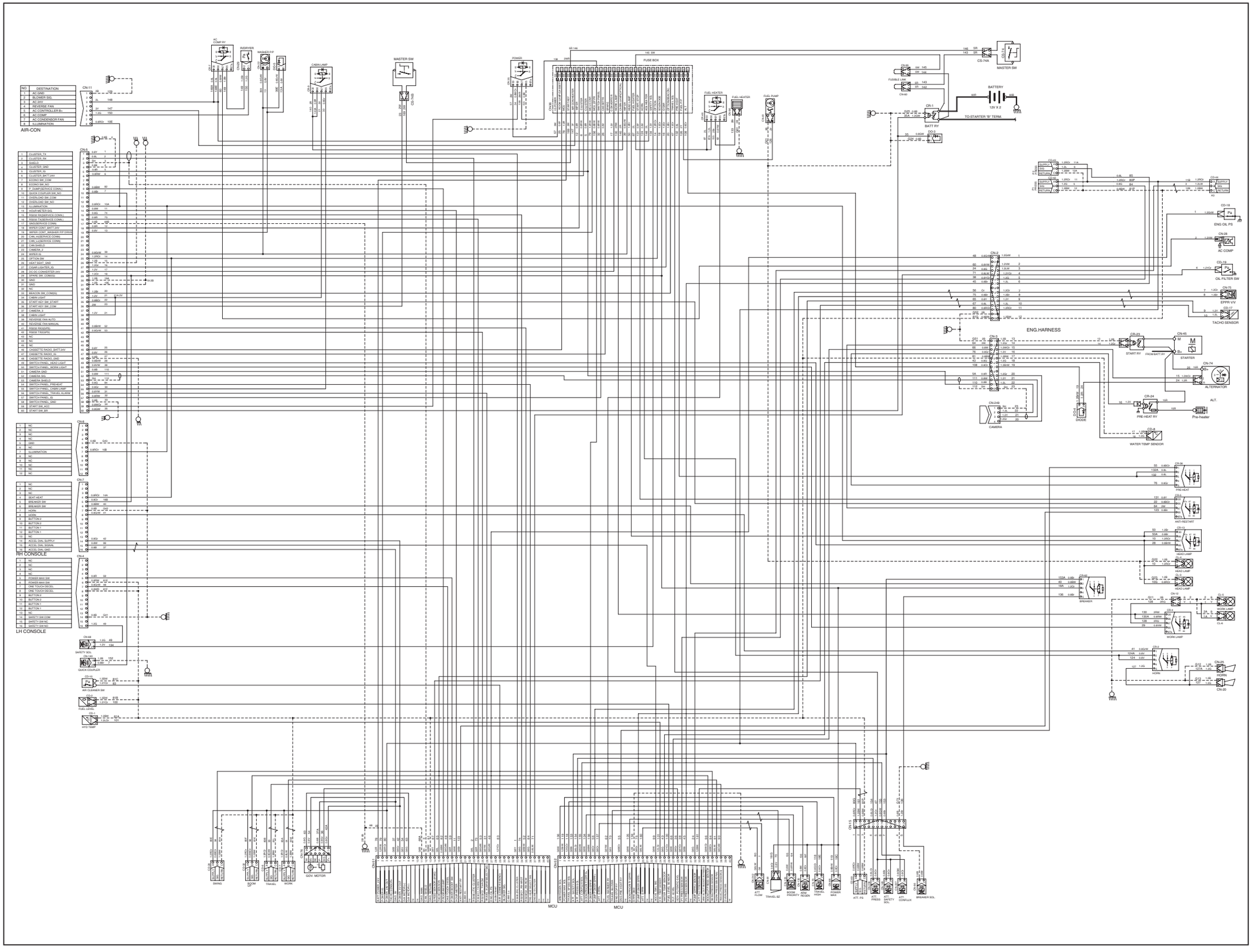
1	NC
2	NC
3	ROOM LAMP 24V
4	SPEAKER RH-
5	SPEAKER RH+
6	SPEAKER LH-
7	SPEAKER LH+
8	GND
9	GND
10	BEACON LAMP
11	CABIN LIGHT
12	CABIN LIGHT

1	MCU_RX
2	MCU_TX
3	MCU_GND
4	GND
5	FUSE
6	NC
7	NC
8	NC
9	P_DUMP(MCU)
10	QUICK COUPLING SOL
11	OVERLOAD PS
12	MCU_OVERLOAD
13	HEAD LAMP RY
14	MCU_HOURMETER
15	RS232_RX(MCU)
16	RS232_TX(MCU)
17	GND
18	FUSE
19	WASHER P/P
20	CAN_HI
21	CAN_Lo
22	Shield
23	NC
24	WIPER FUSE
25	FUSE
26	GND
27	FUSE
28	FUSE
29	FUSE
30	GND
31	GND
32	NC
33	FUSE
34	CABIN LAMP RY
35	ANTI RESTART RY
36	FUSE
37	NC
38	CABIN LAMP RY
39	NC
40	NC
41	NC
42	NC
43	NC
44	NC
45	NC
46	FUSE
47	FUSE
48	GND
49	HEAD LAMP RY
50	WORK LAMP RY
51	NC
52	NC
53	BREAKER SW(JOYSTICK)
54	PRE-HEAT
55	CABIN LAMP RY
56	MCU_TRAVEL ALARM SW
57	FUSE
58	GND
59	POWER RY
60	BATT. RY

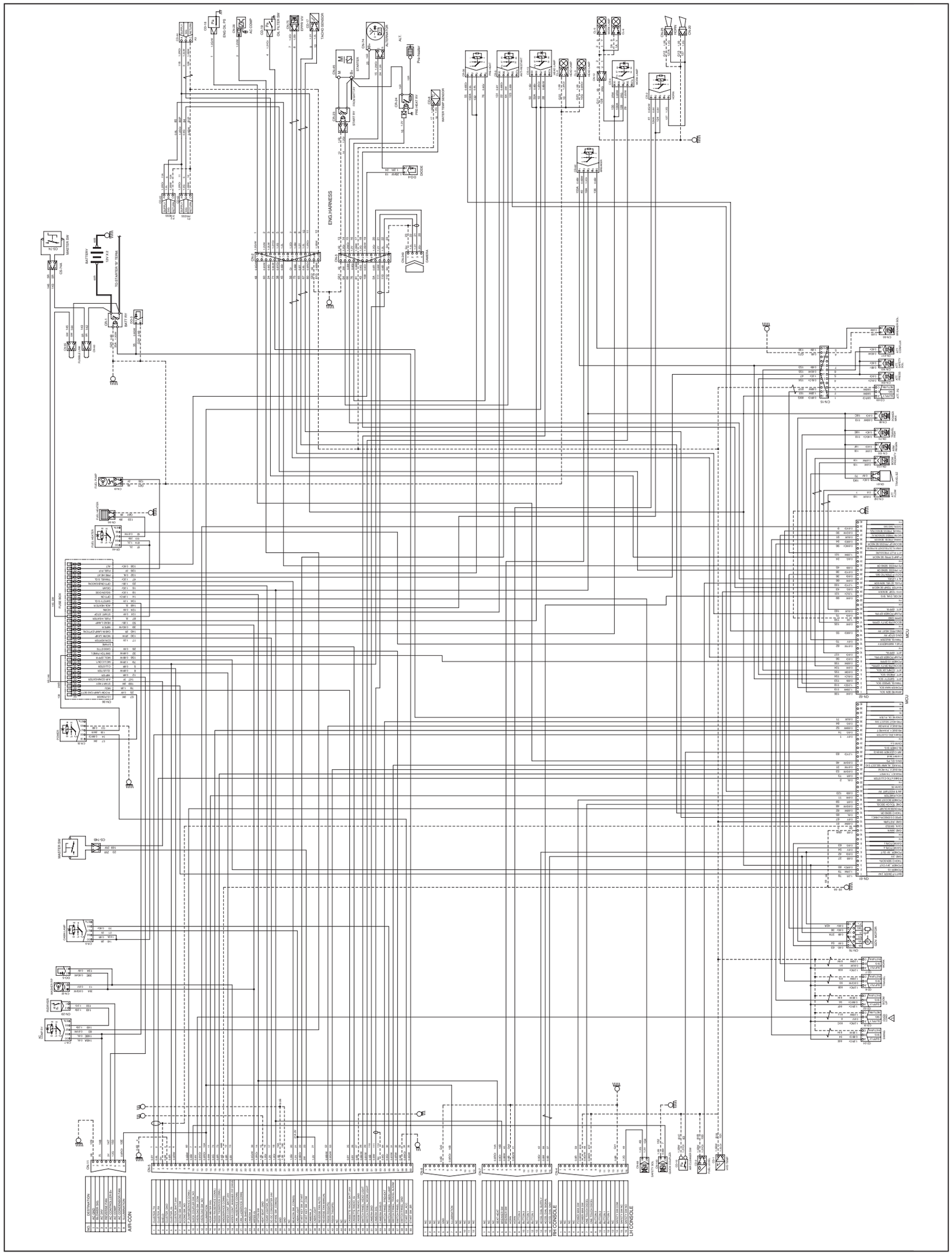
1	POWER IG(24V)
2	GND
3	RX
4	TX

1	NC
2	GND
3	POWER 24V
4	NC
5	TRAVEL ALARM
6	CABIN LIGHT OUT
7	PRE-HEAT
8	WASHER SIG.
9	WIPER MOTOR DRIVE
10	INT. SIG.
11	WORK LIGHT OUT
12	HEAD LIGHT OUT

R300LC-9SH(Cluster type 1, OLD)

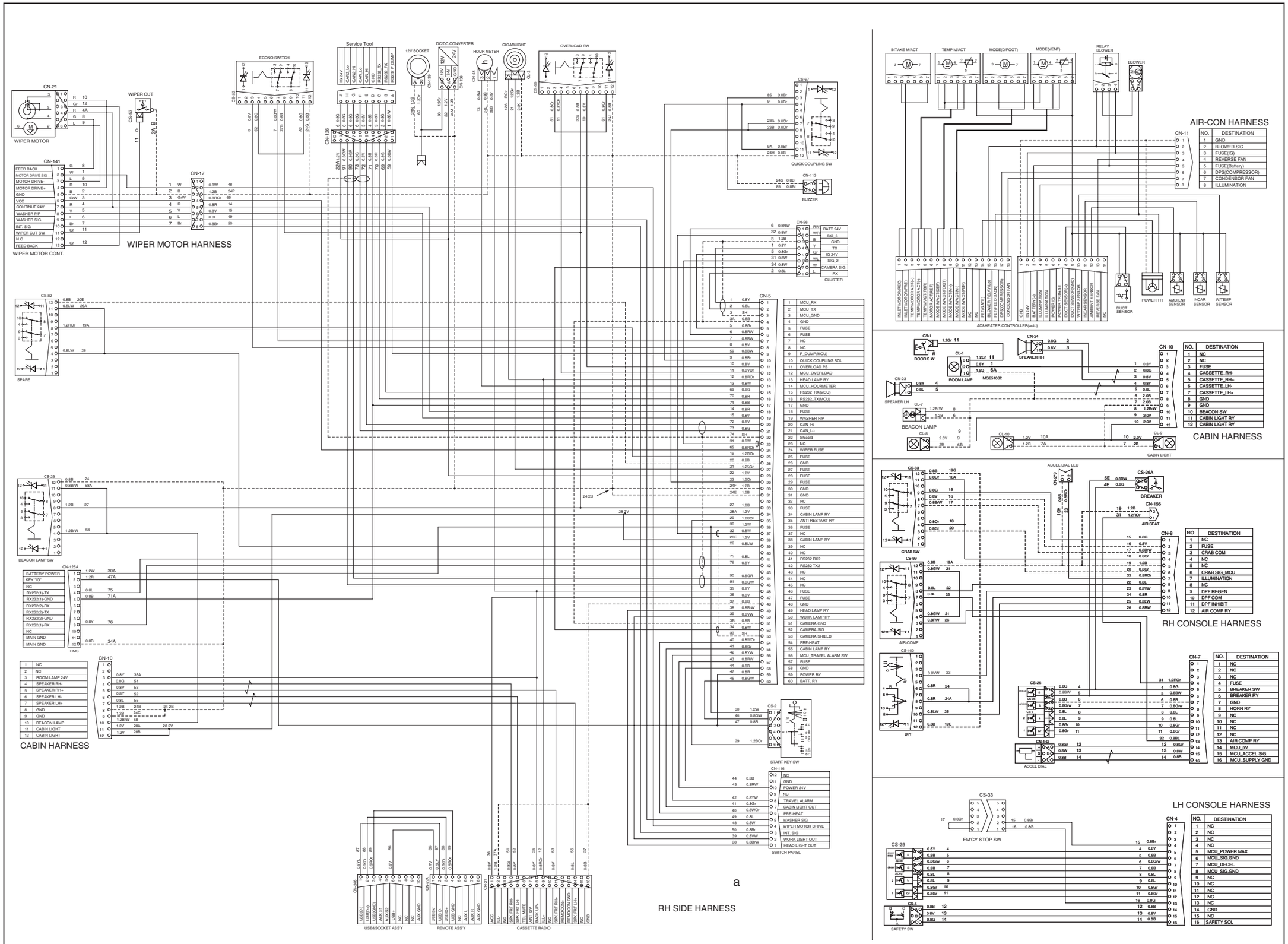


20Q8-04203(1/2)



■ R300LC-9SH(Cluster type 1, CURRENT)

R300LC-9SH(Cluster type 1, #0001~)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

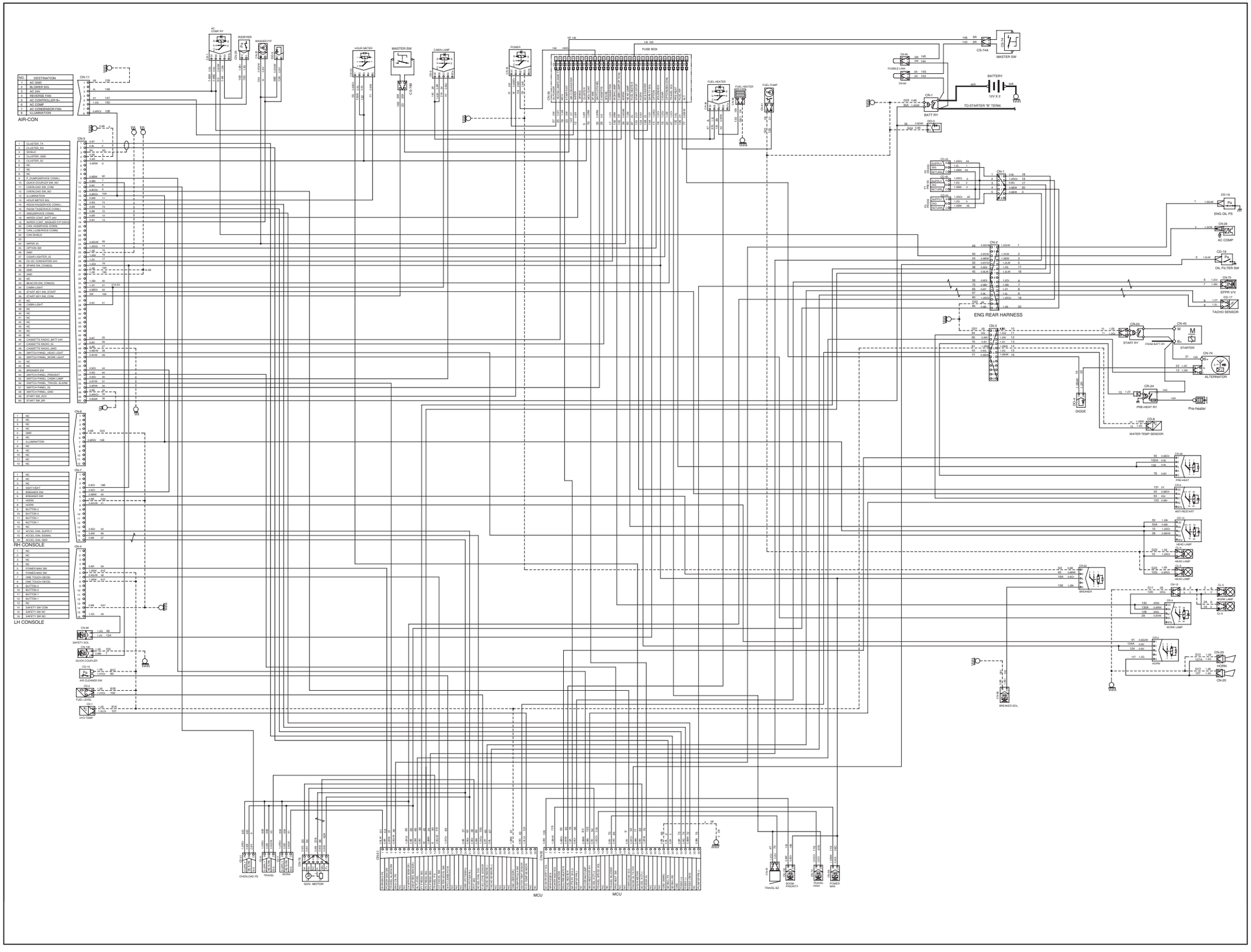
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

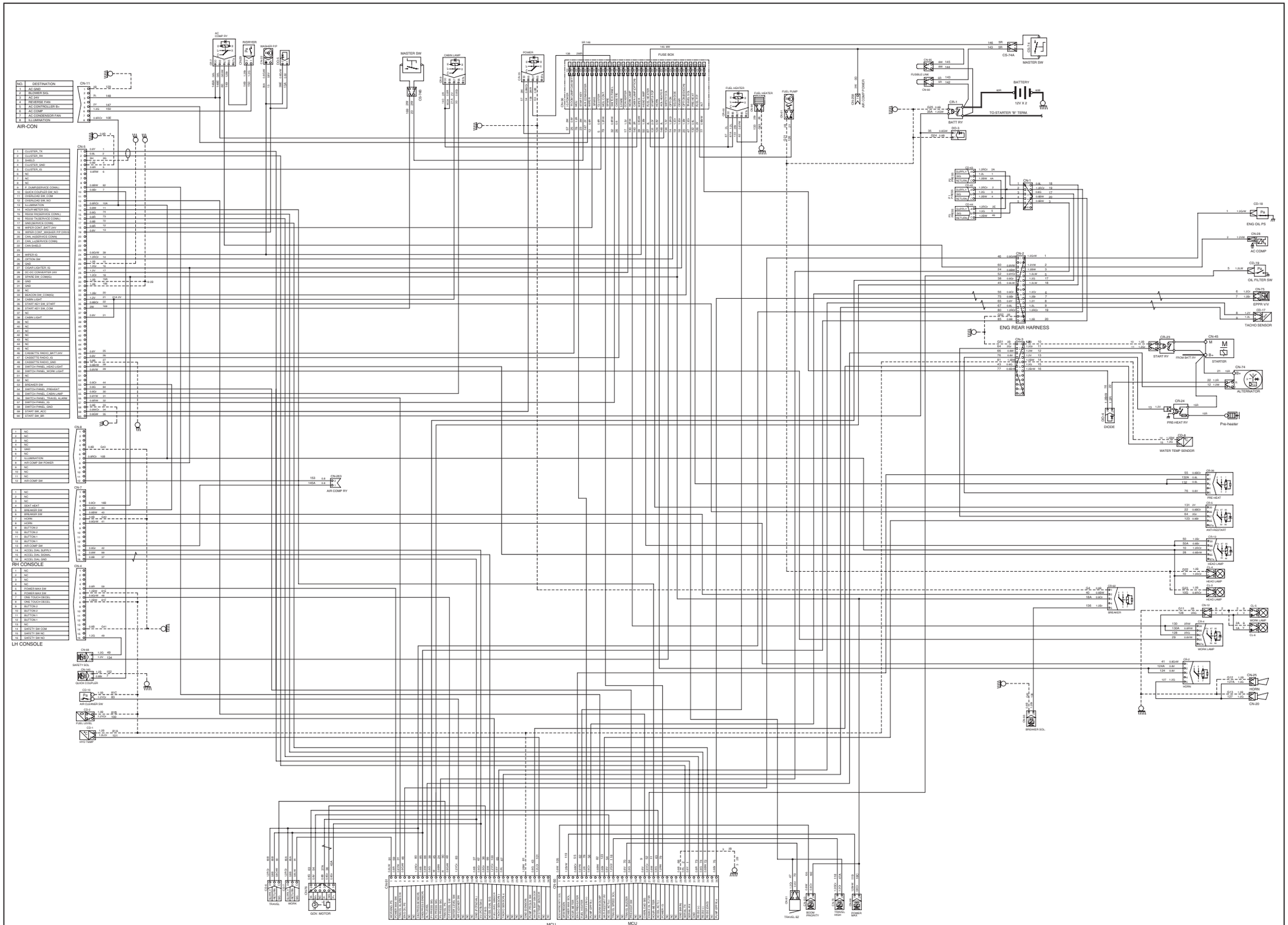
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

a

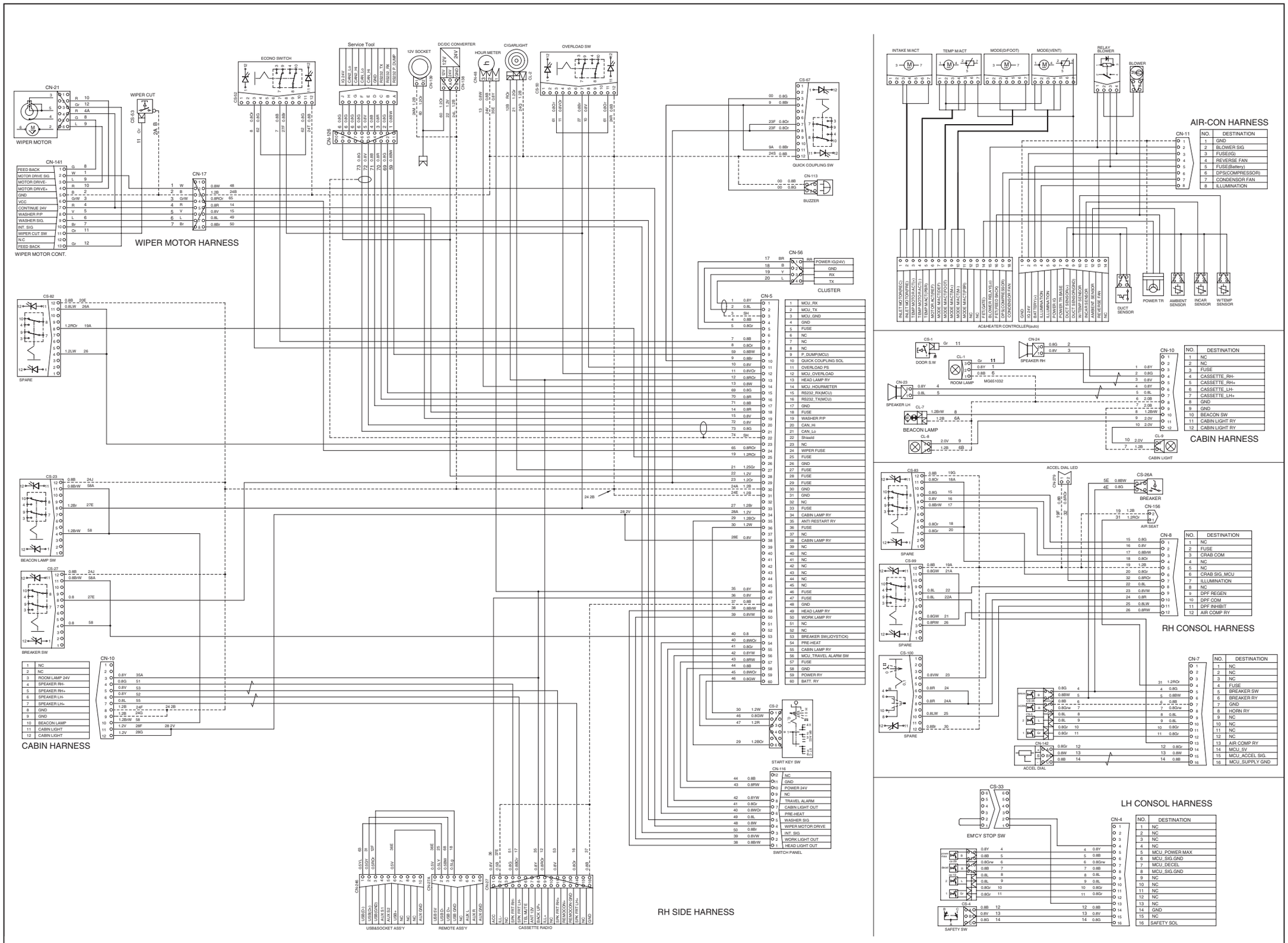


20Q8-06101(1/2)

R300LC-9SH(Cluster type 2, CURRENT)

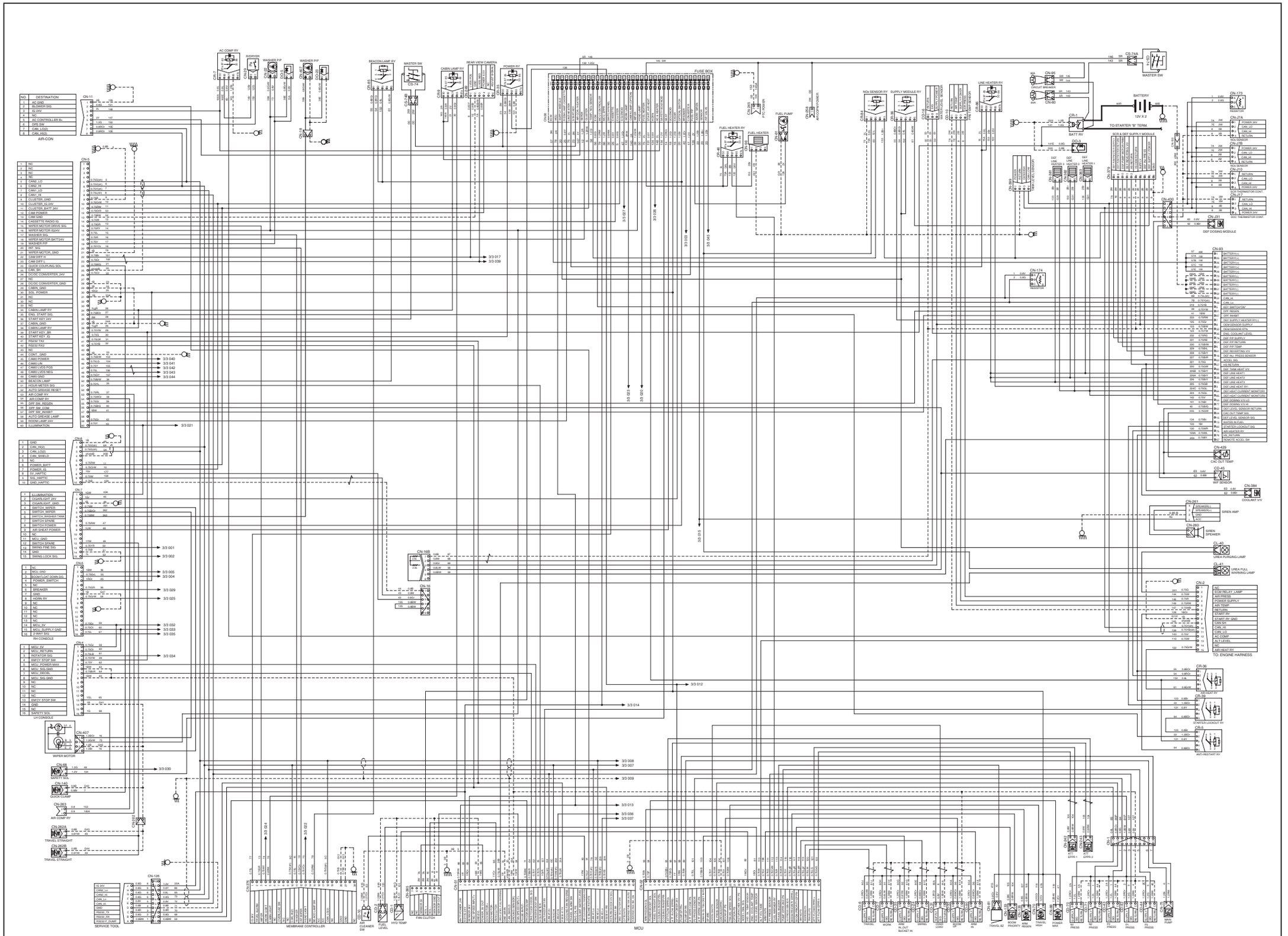


20Q8-06102(1/2)



20Q8-06100(2/2)

HX300 L(#0001~)



20K8-10302(1/3)

■ HX300L(#0001~)

HARNESS RH SIDE

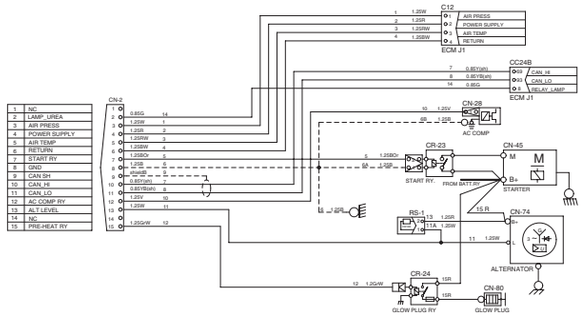
LH CONSOLE HARNESS

RH CONSOLE HARNESS

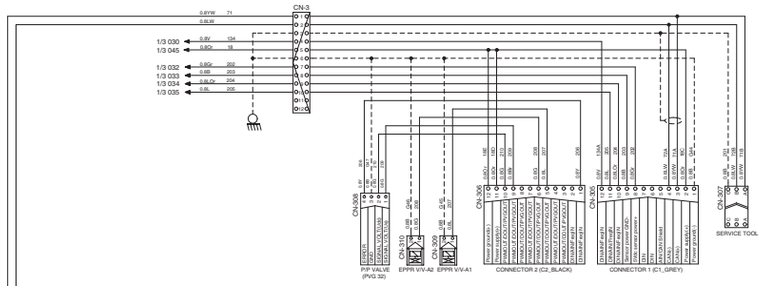
CABIN HARNESS

AIR-CON HARNESS

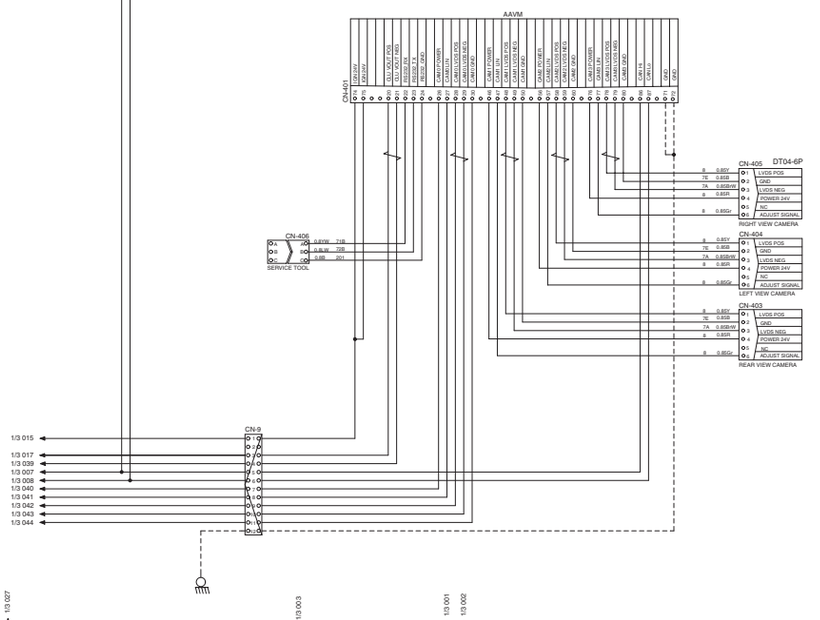
HX300 L(#0001~)

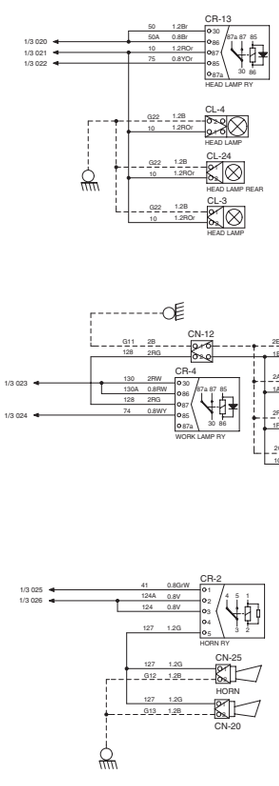


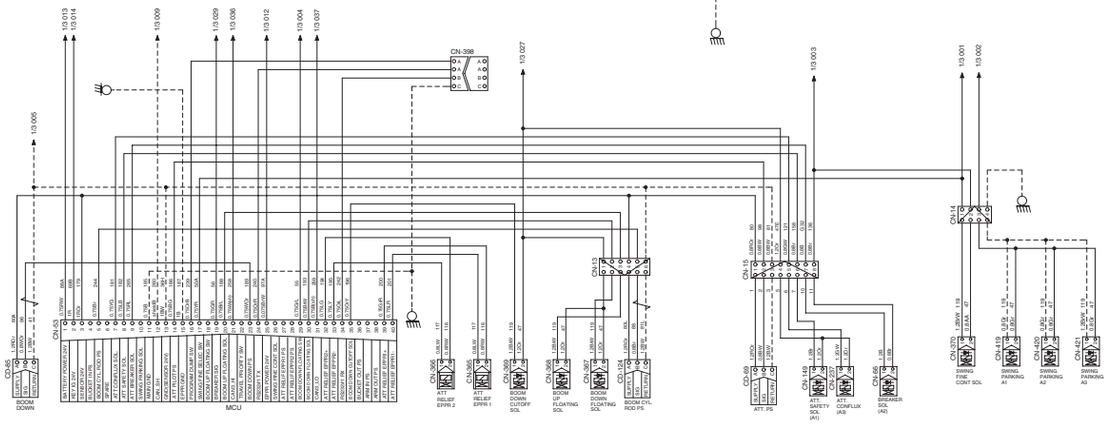
ENGINE HARNESS

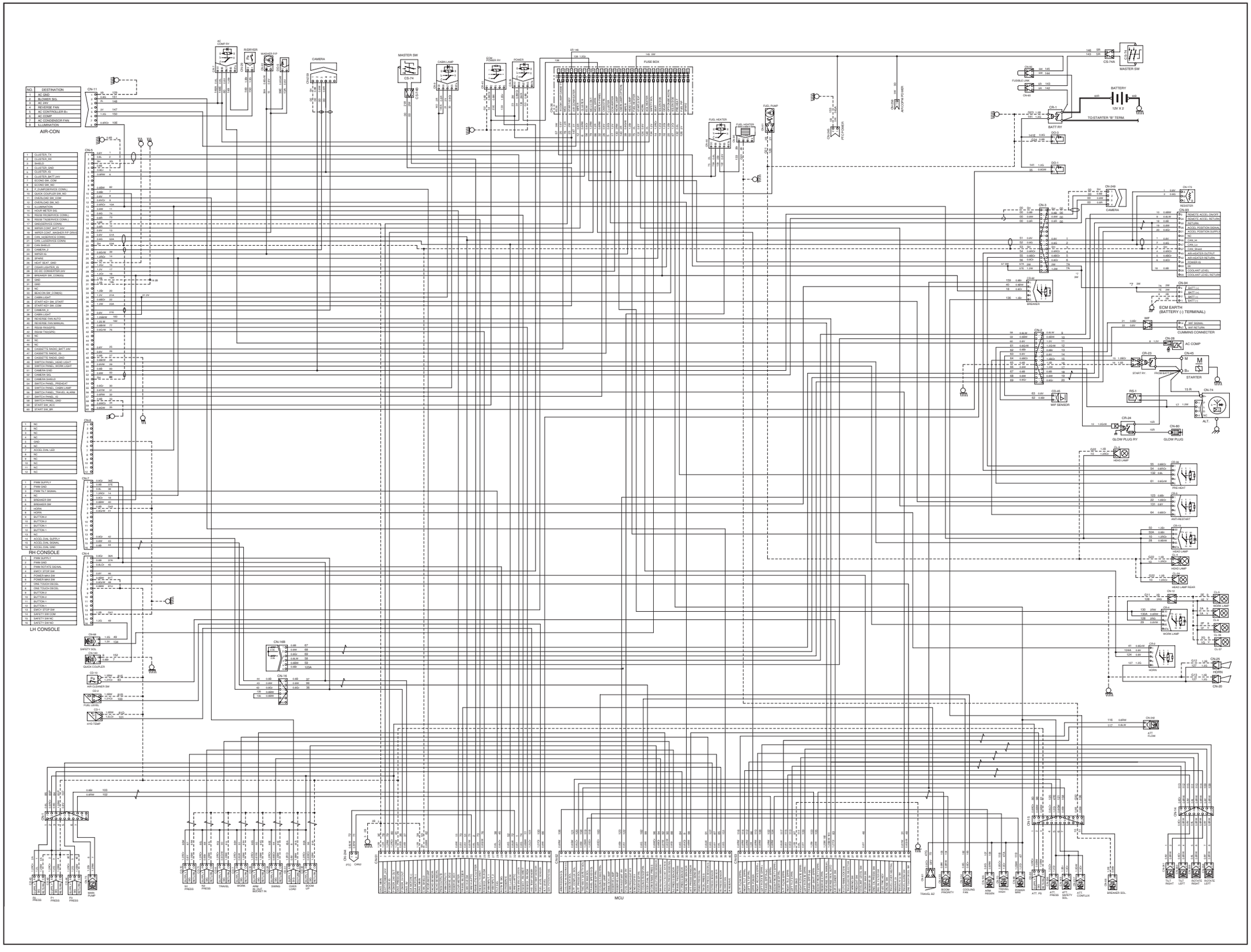


PROPORTIONAL VALVE & LEVER



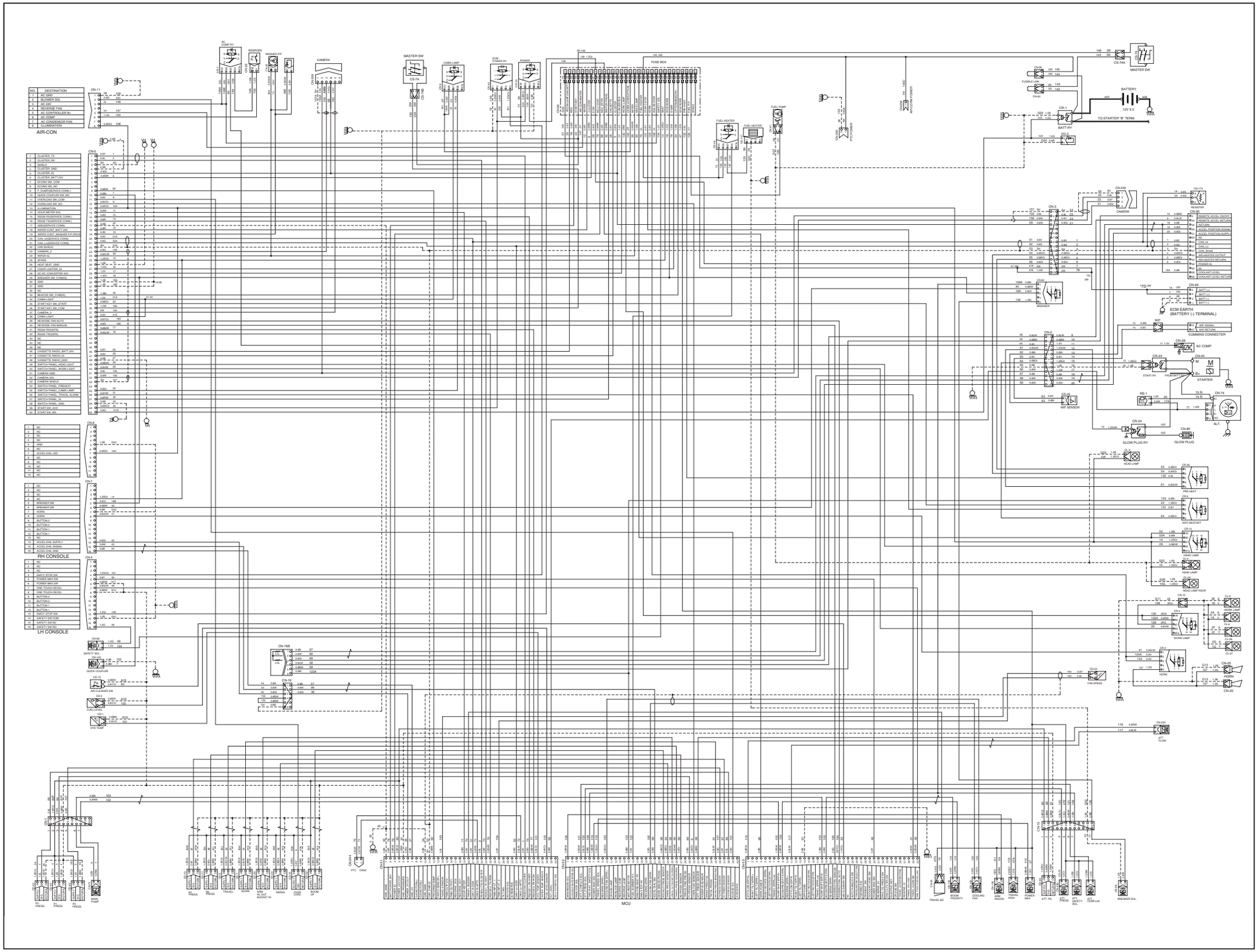




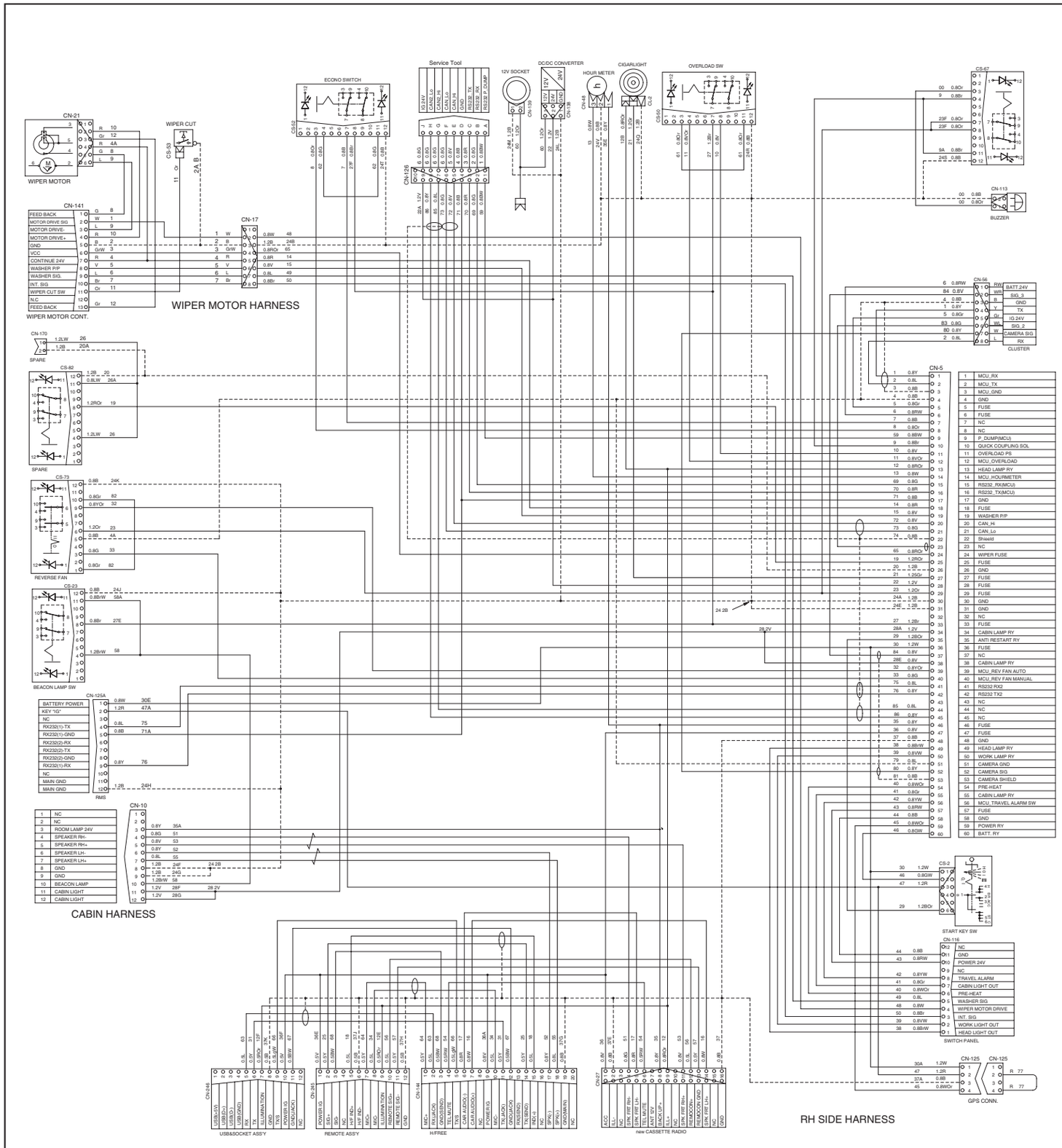


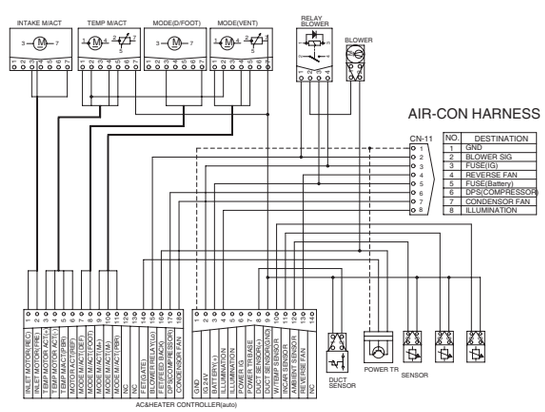
20Q9-07105(1/2)

R320LC-9(CURRENT)

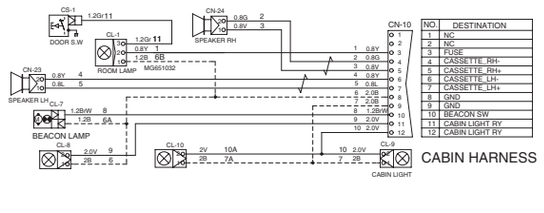


20Q9-07106(1/2)

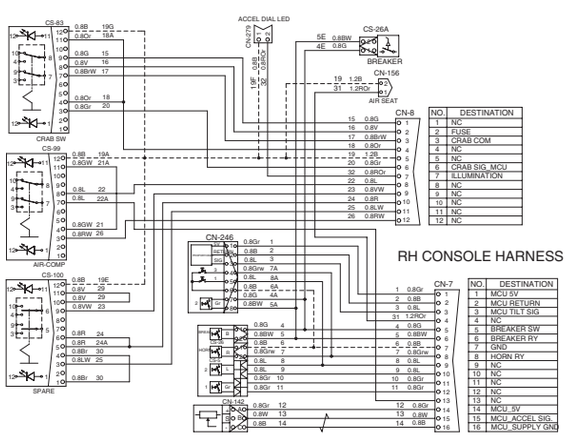




NO	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DP2(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

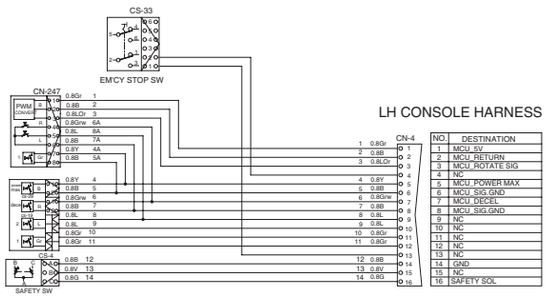


NO	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY



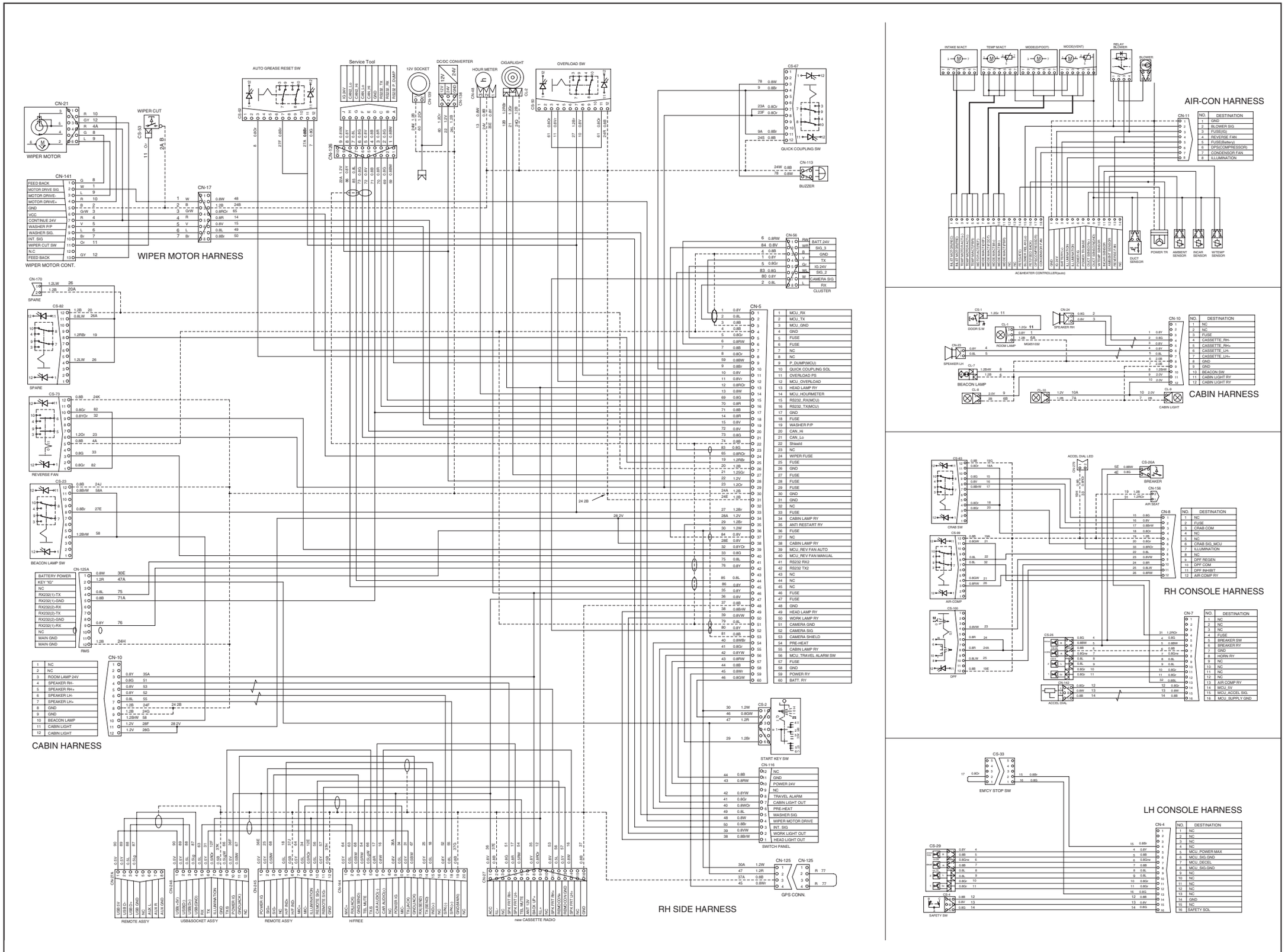
NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

NO.	DESTINATION
1	MCU 5V
2	MCU_RETURN
3	MCU TILT SIG
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG
16	MCU_SUPPLY GND

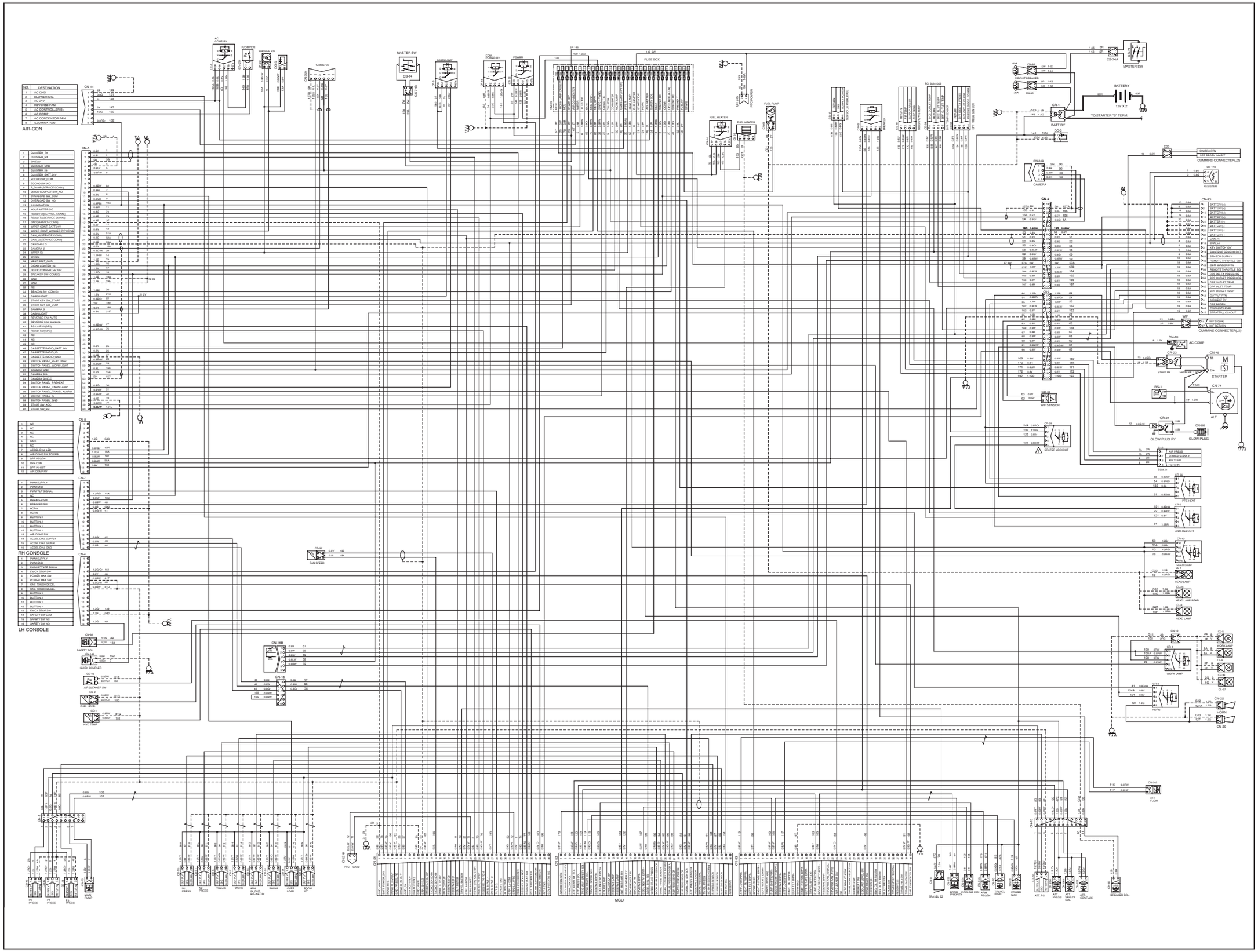


NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_ROTATE SIG
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R320LC-9(CURRENT)

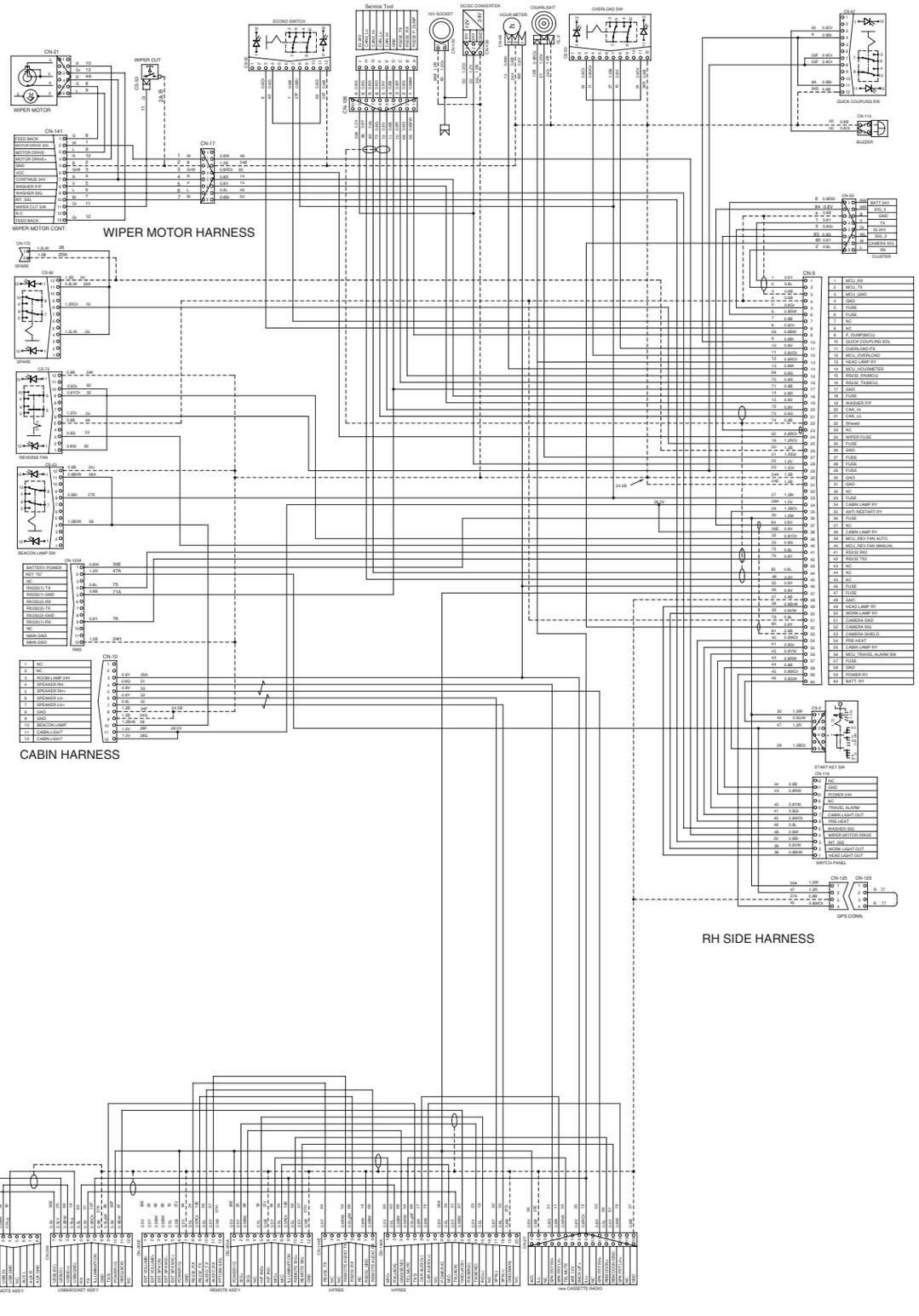


20Q9-07106(2/2)

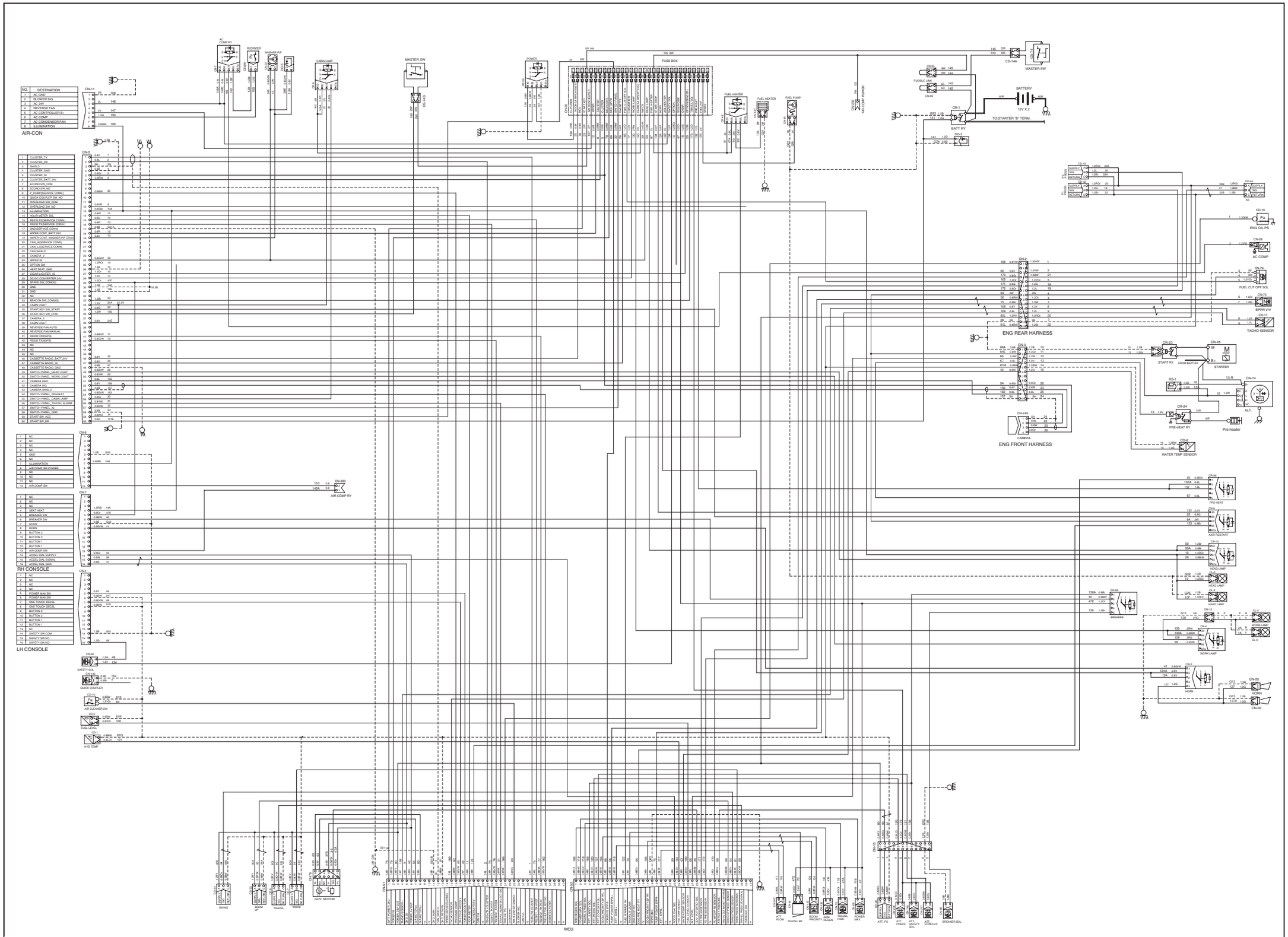


20QA-09103(1/2)

R330LC-9A(#0001~)

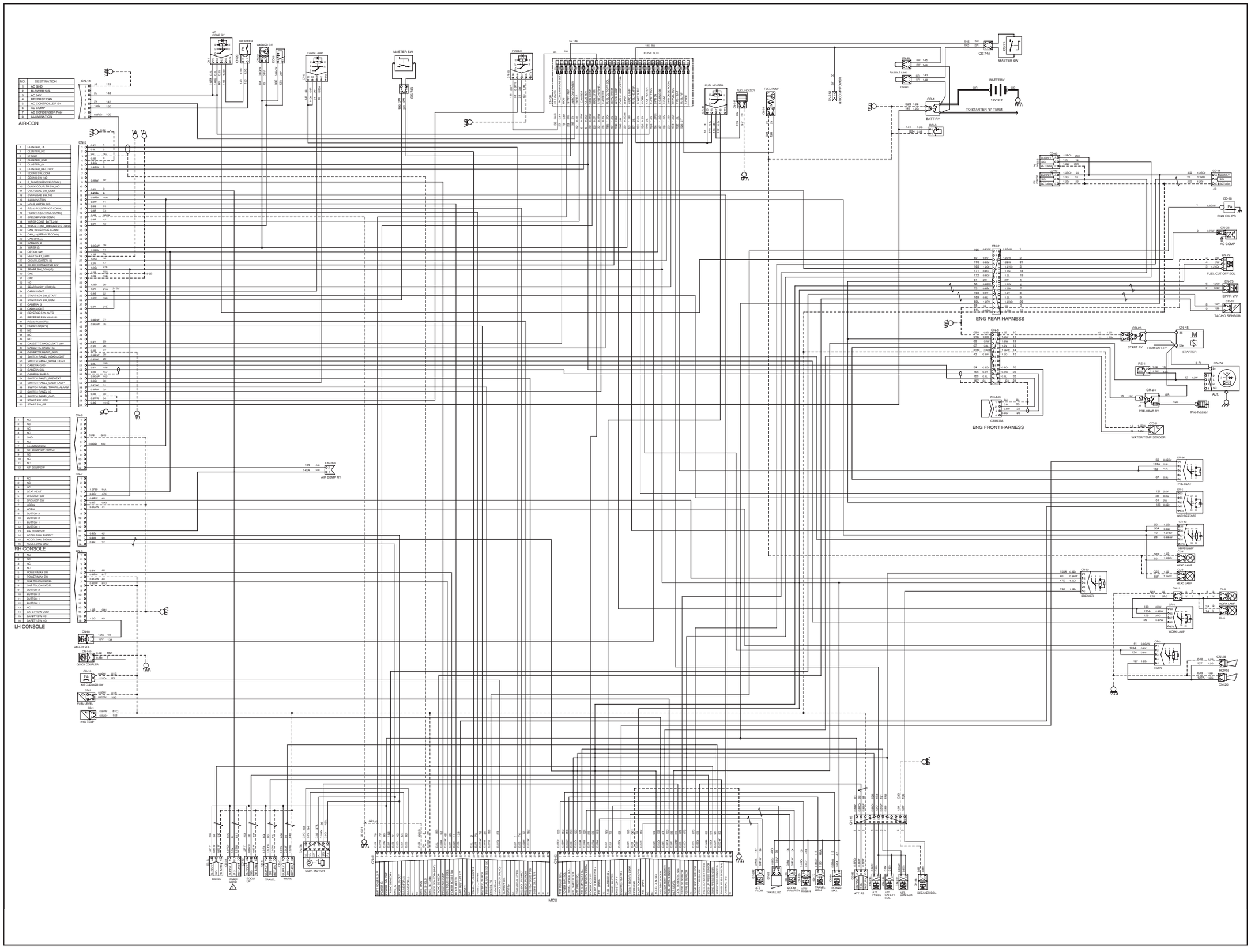


20QA-09102(2/2)

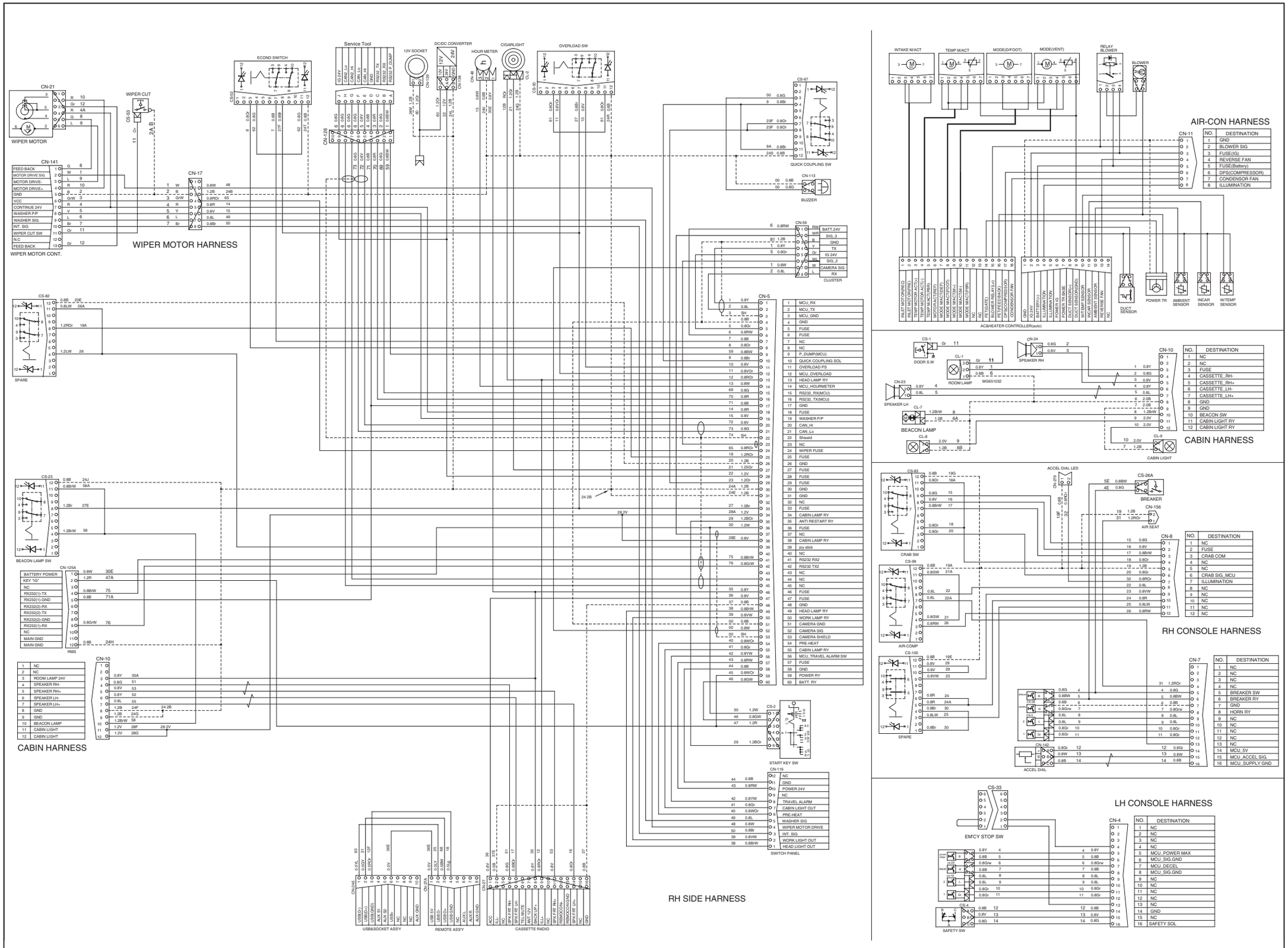


20Q9-06201(1/2)

R330LC-9S(Cluster type 1, CURRENT)



20Q9-06202(1/2)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

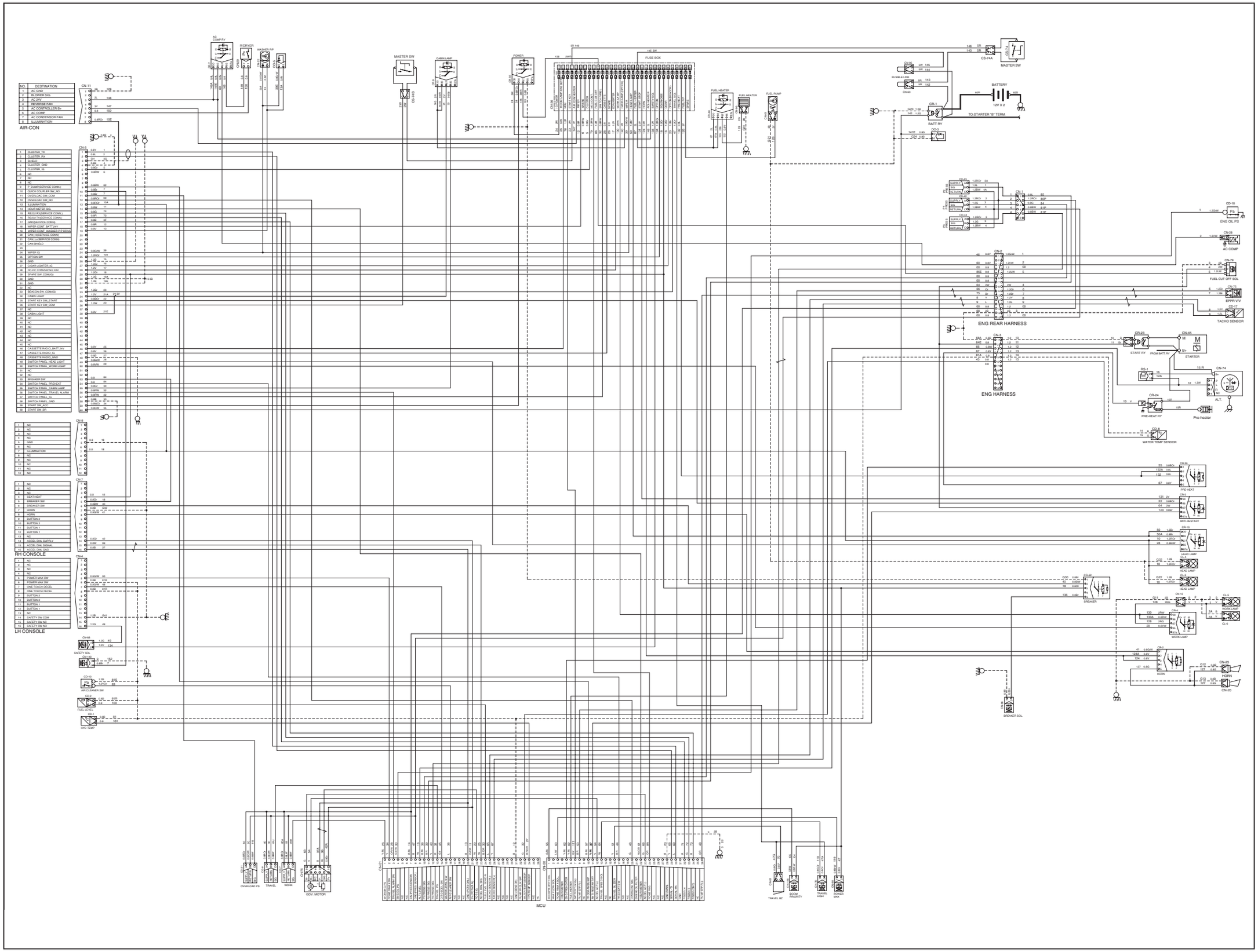
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

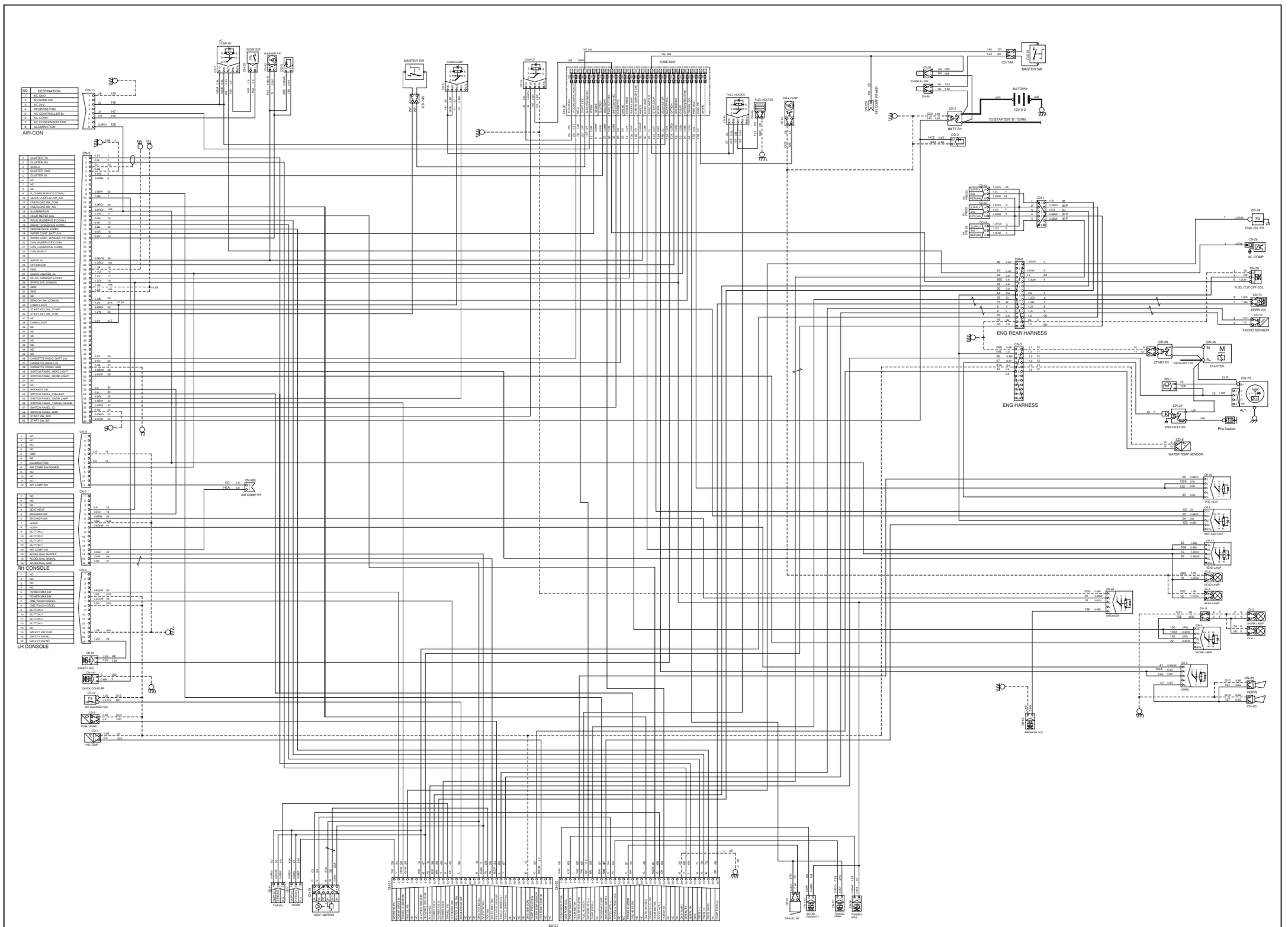
NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R330LC-9S(Cluster type 2, OLD)

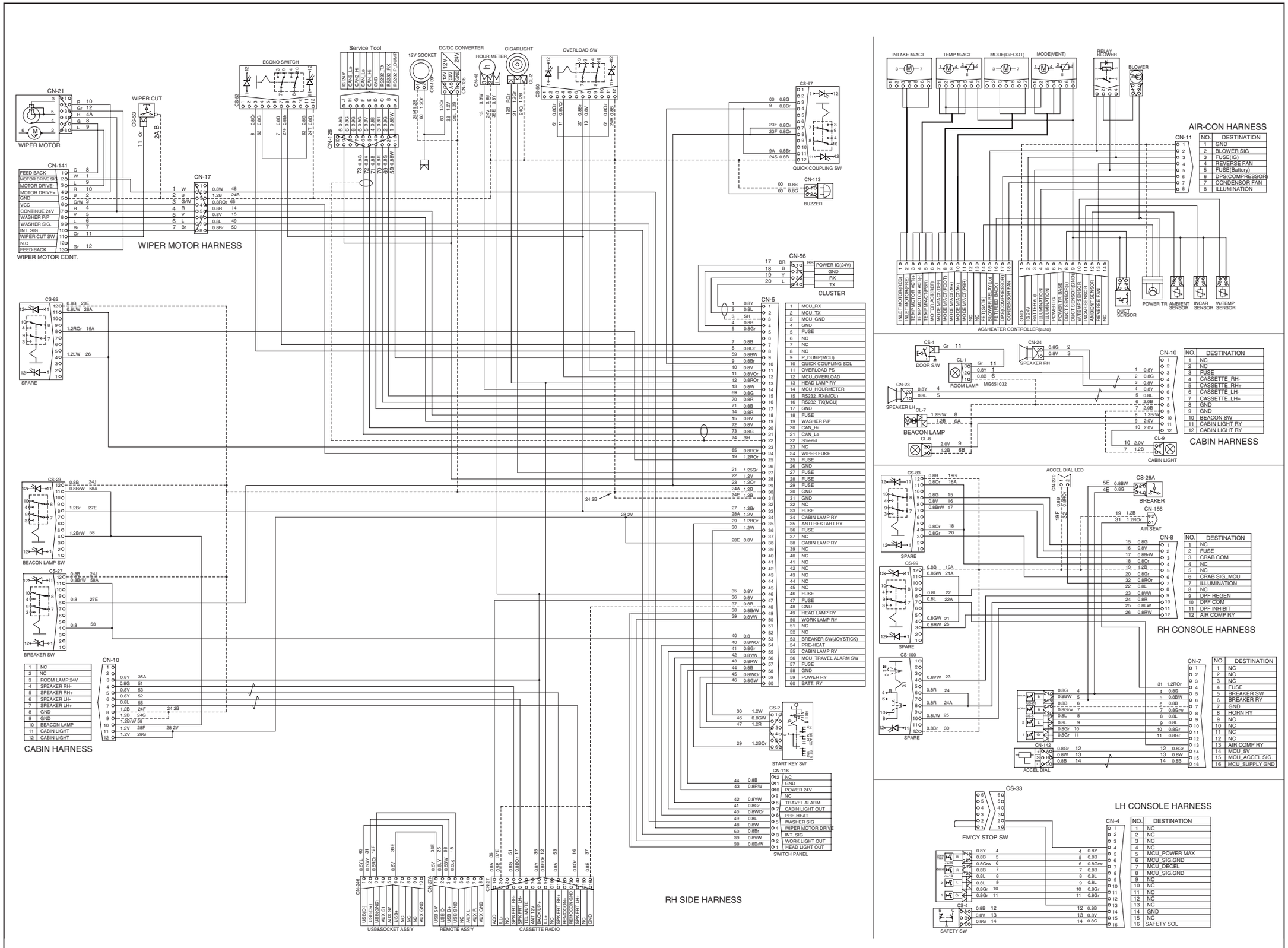


20Q9-06100(1/2)



20Q9-06101(1/2)

R330LC-9S(Cluster type 2, #0001~)



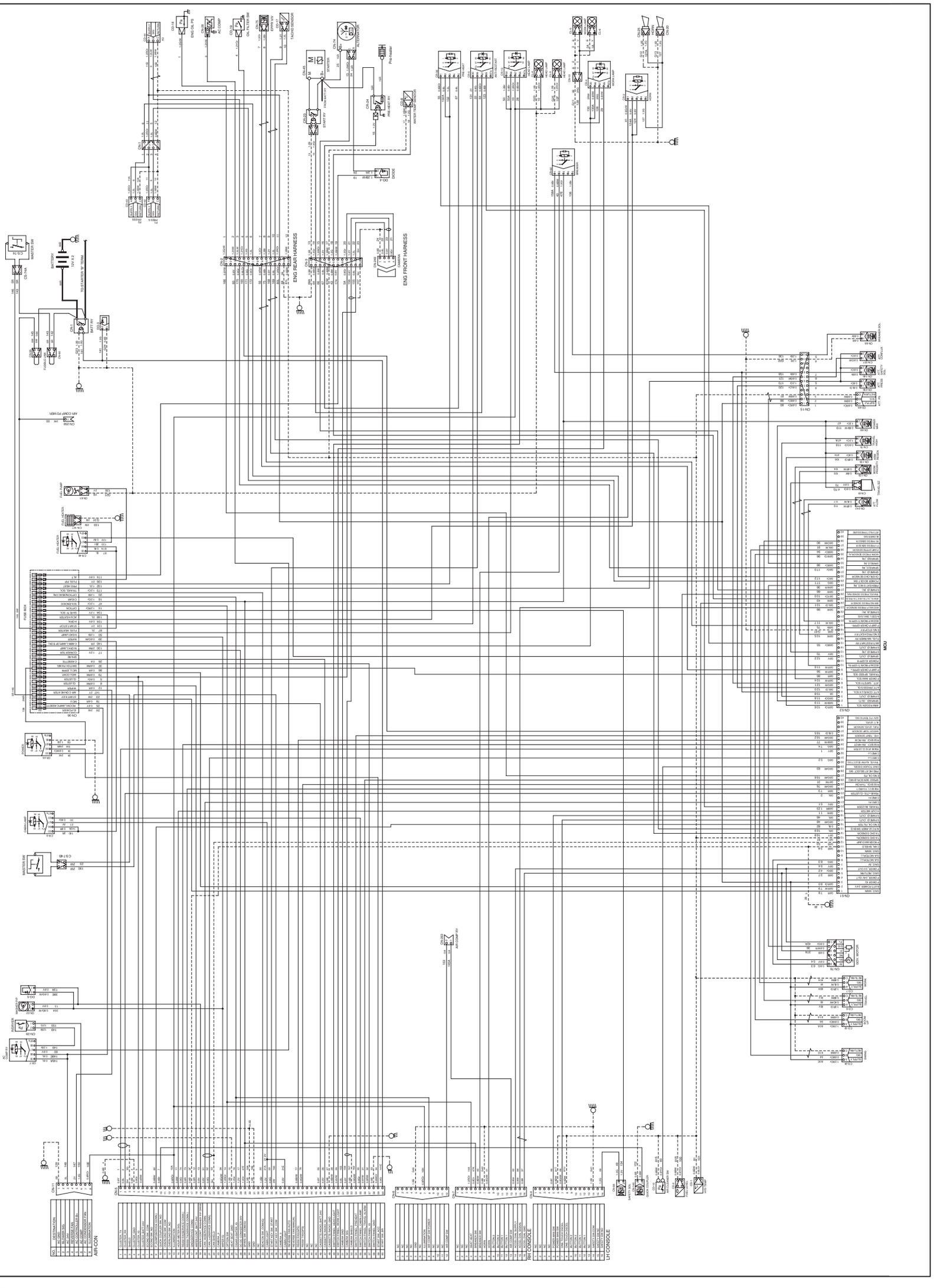
NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS/COMPRESSOR
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

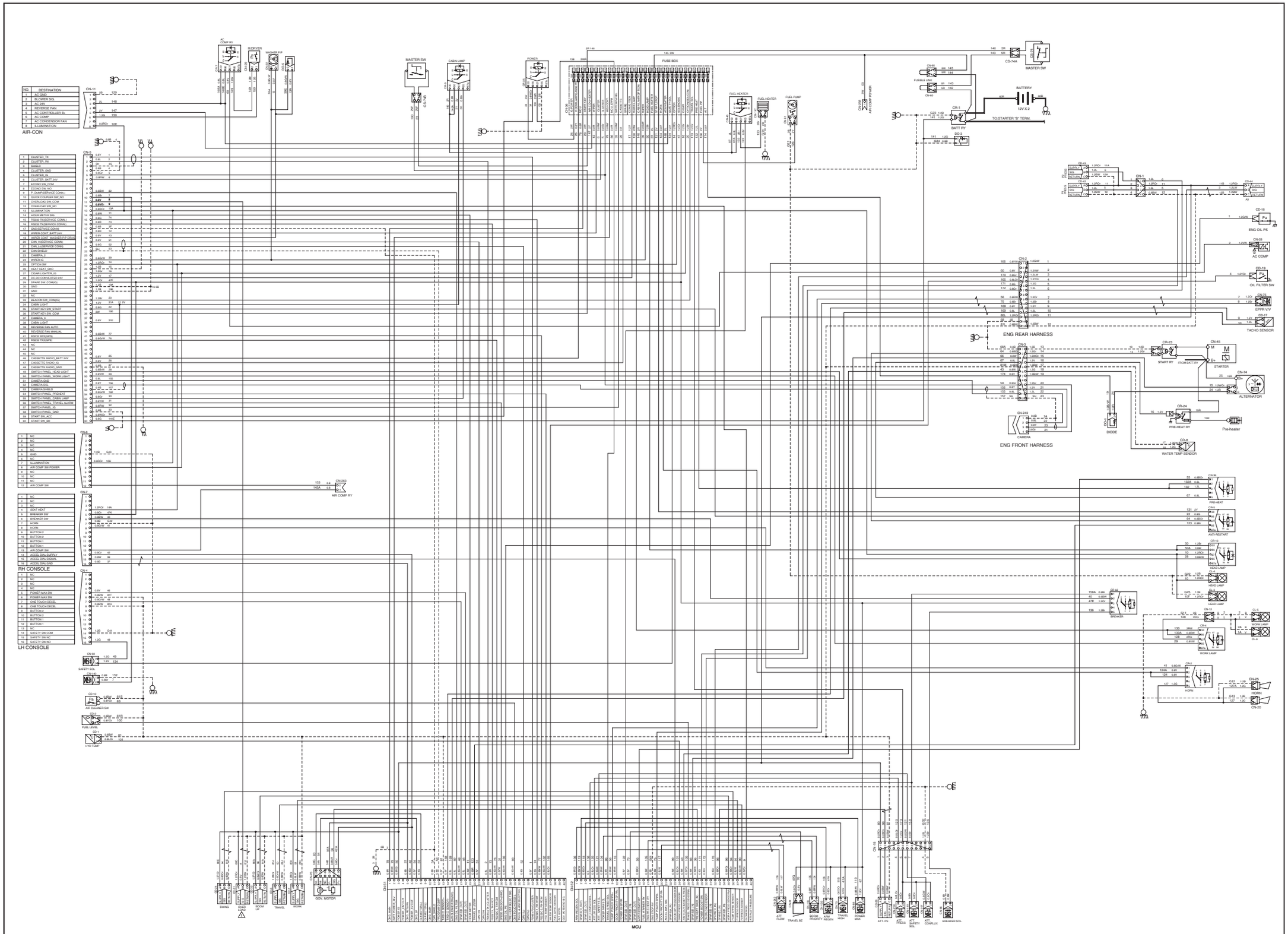
NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL



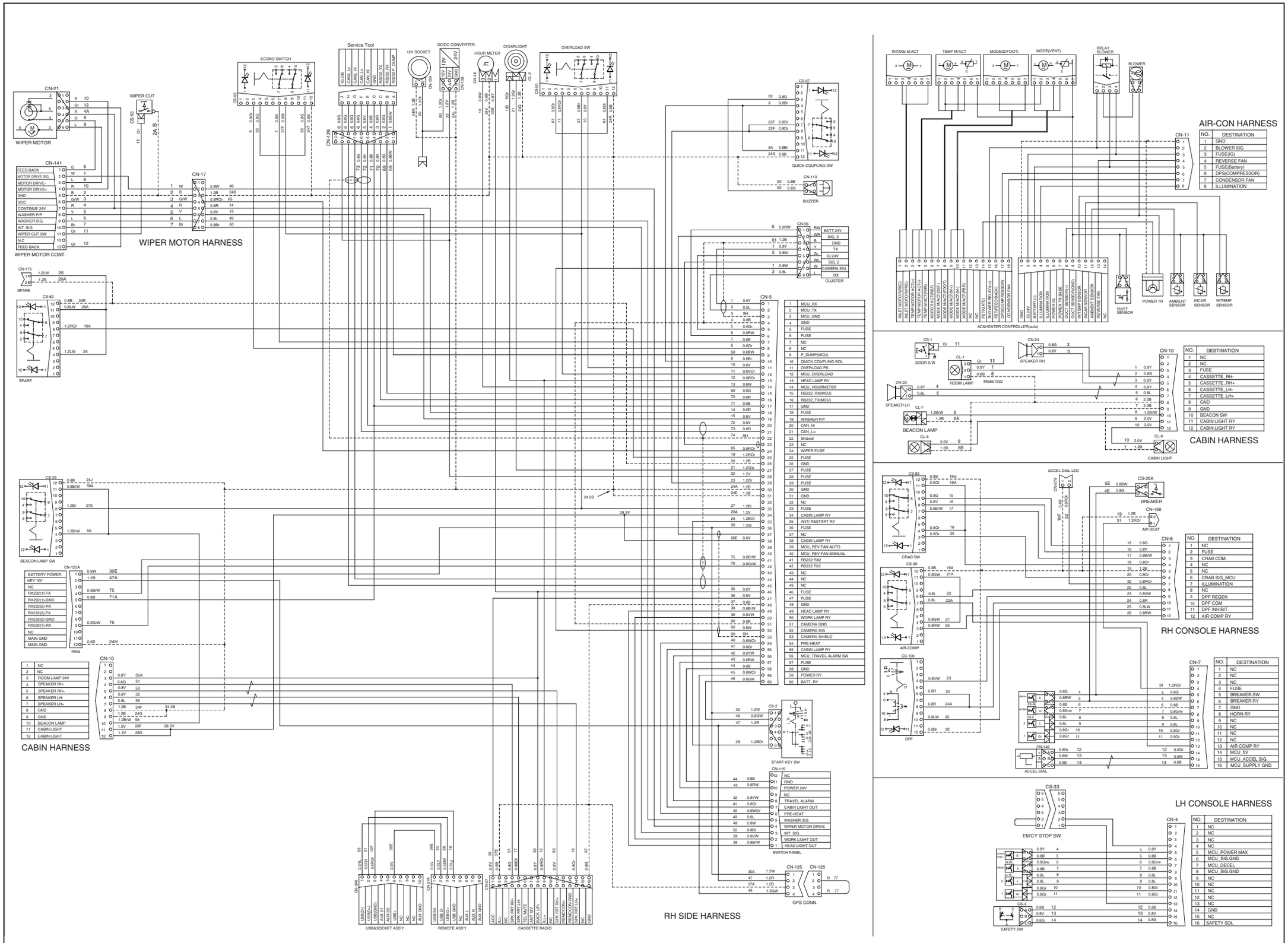
■ R330LC-9SH(Cluster type 1, OLD)

R330LC-9SH(Cluster type 1, CURRENT)



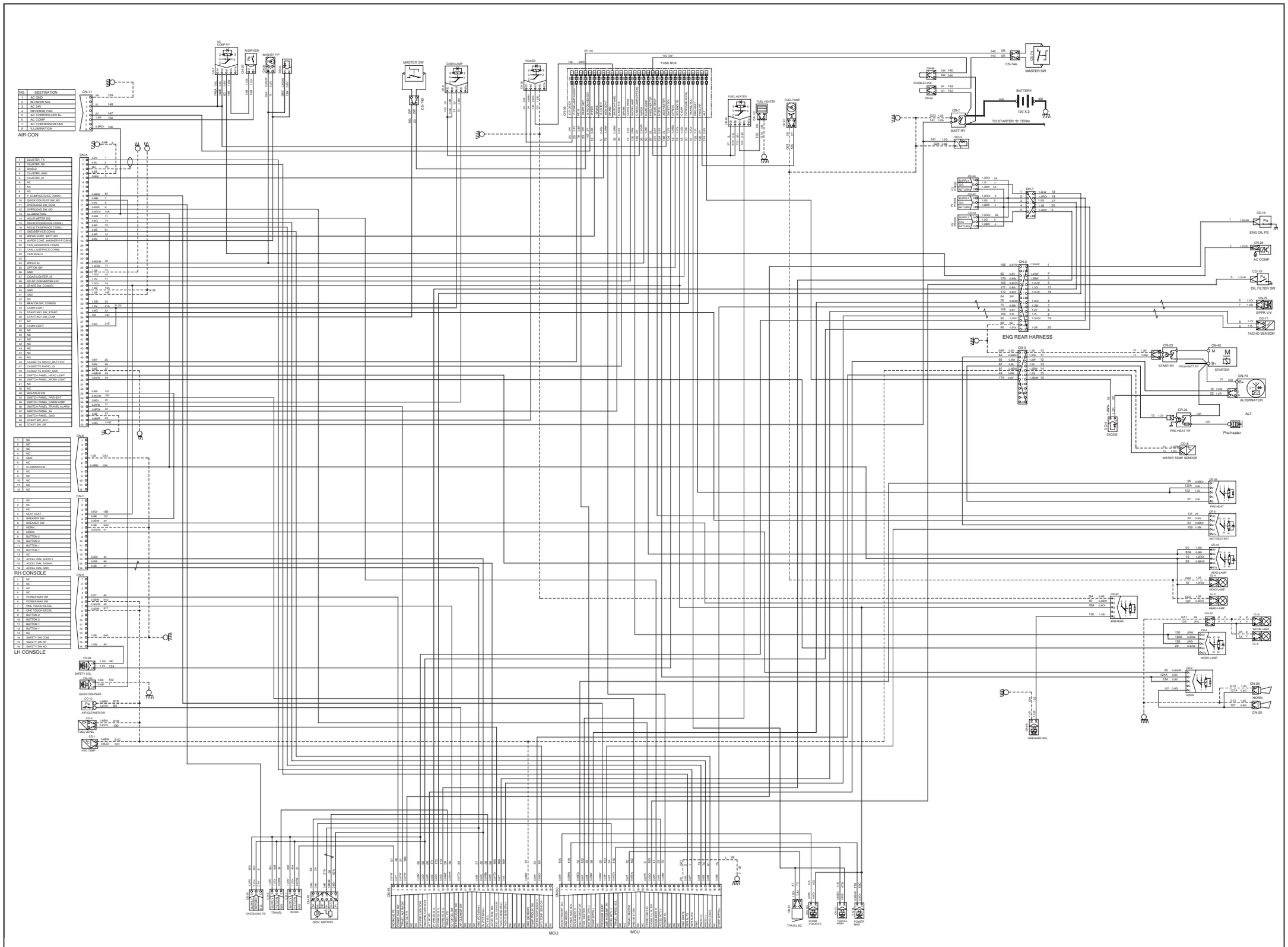
20Q9-09102(1/2)

■ R330LC-9SH(Cluster type 1, #0001~)

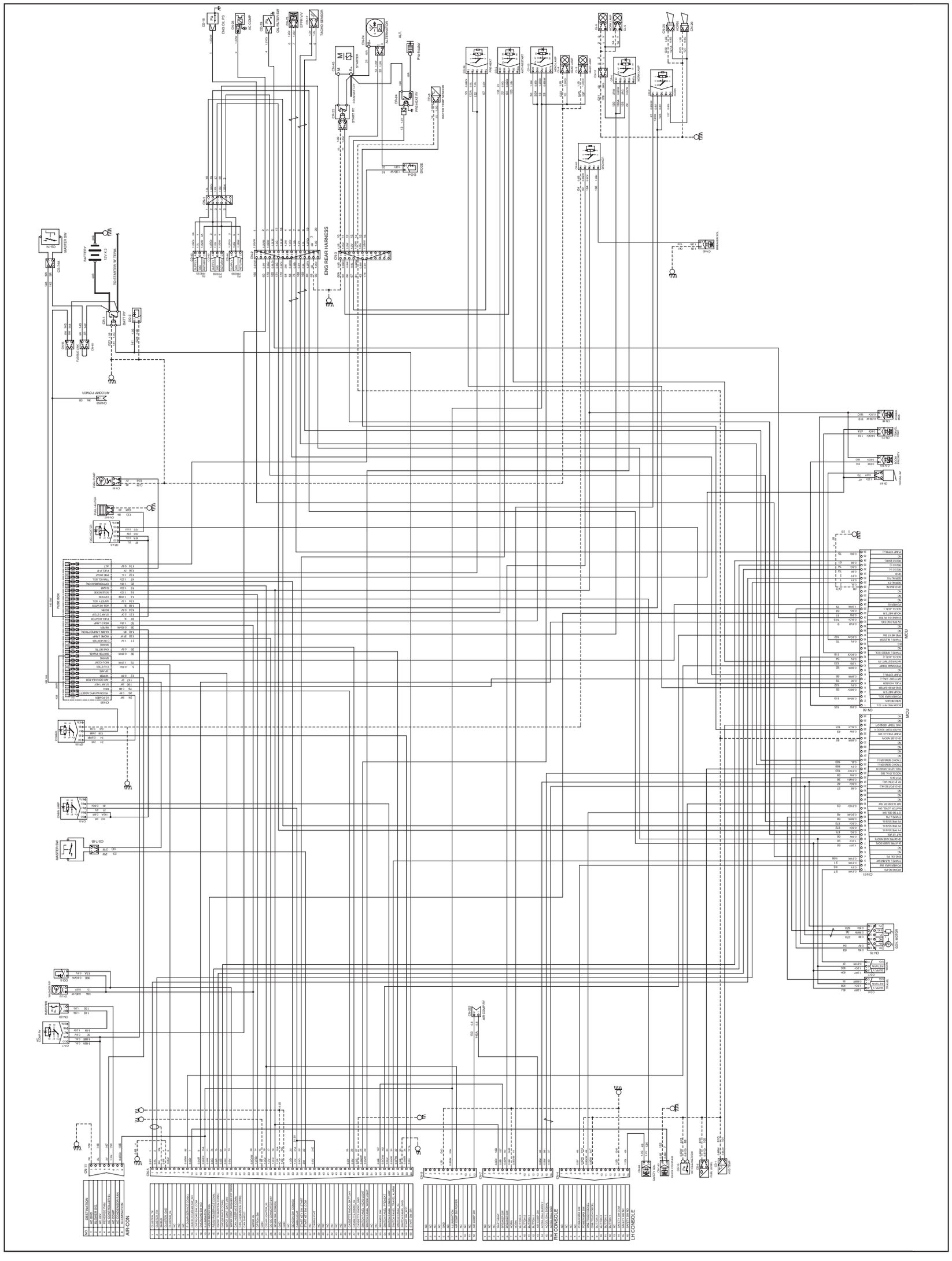


20Q9-09100(2/2)

R330LC-9SH(Cluster type 2, OLD)

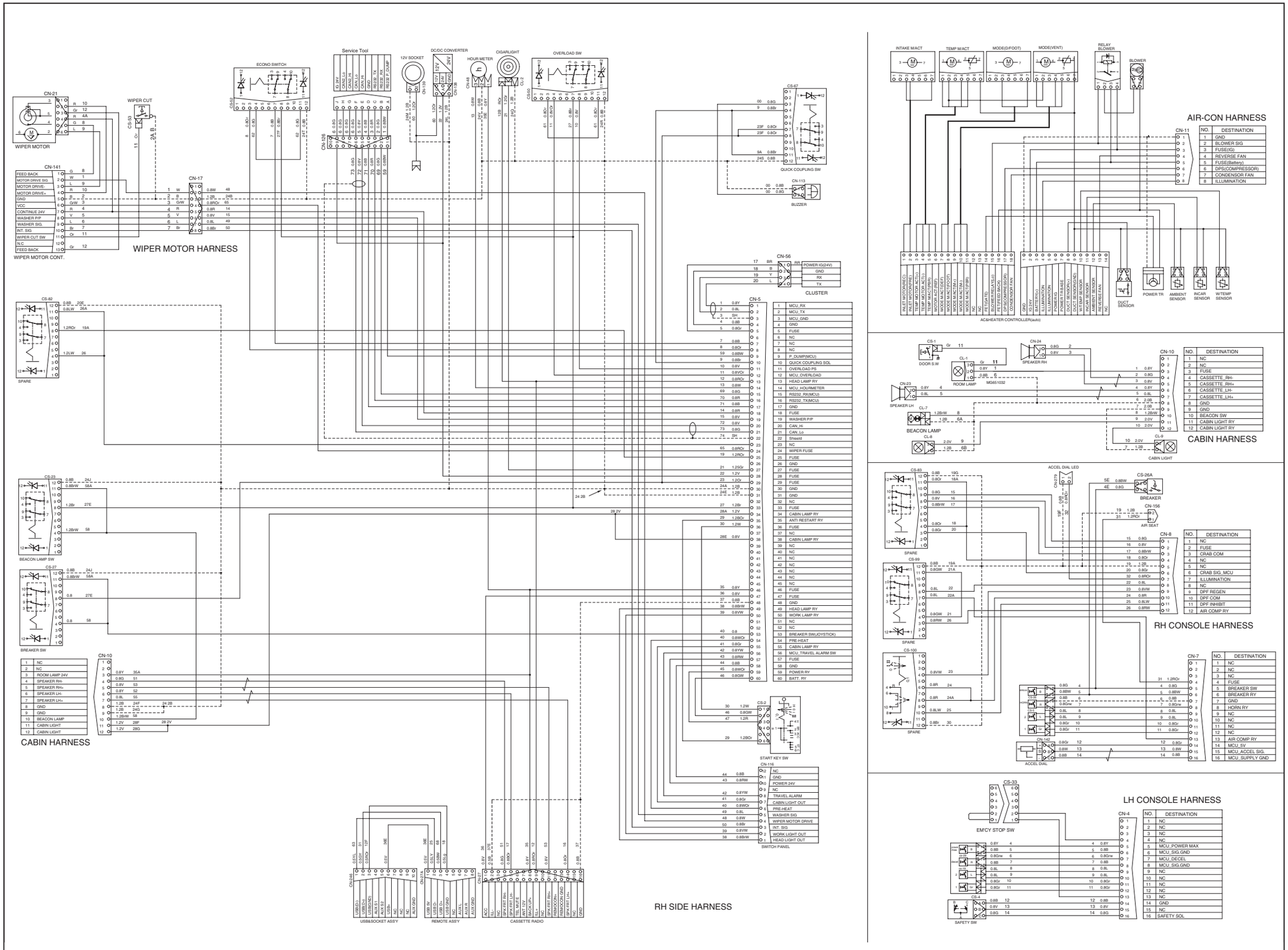


20Q9-09201(1/2)



■ R330LC-9SH(Cluster type 2, CURRENT)

R330LC-9SH(Cluster type 2, #0001~)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

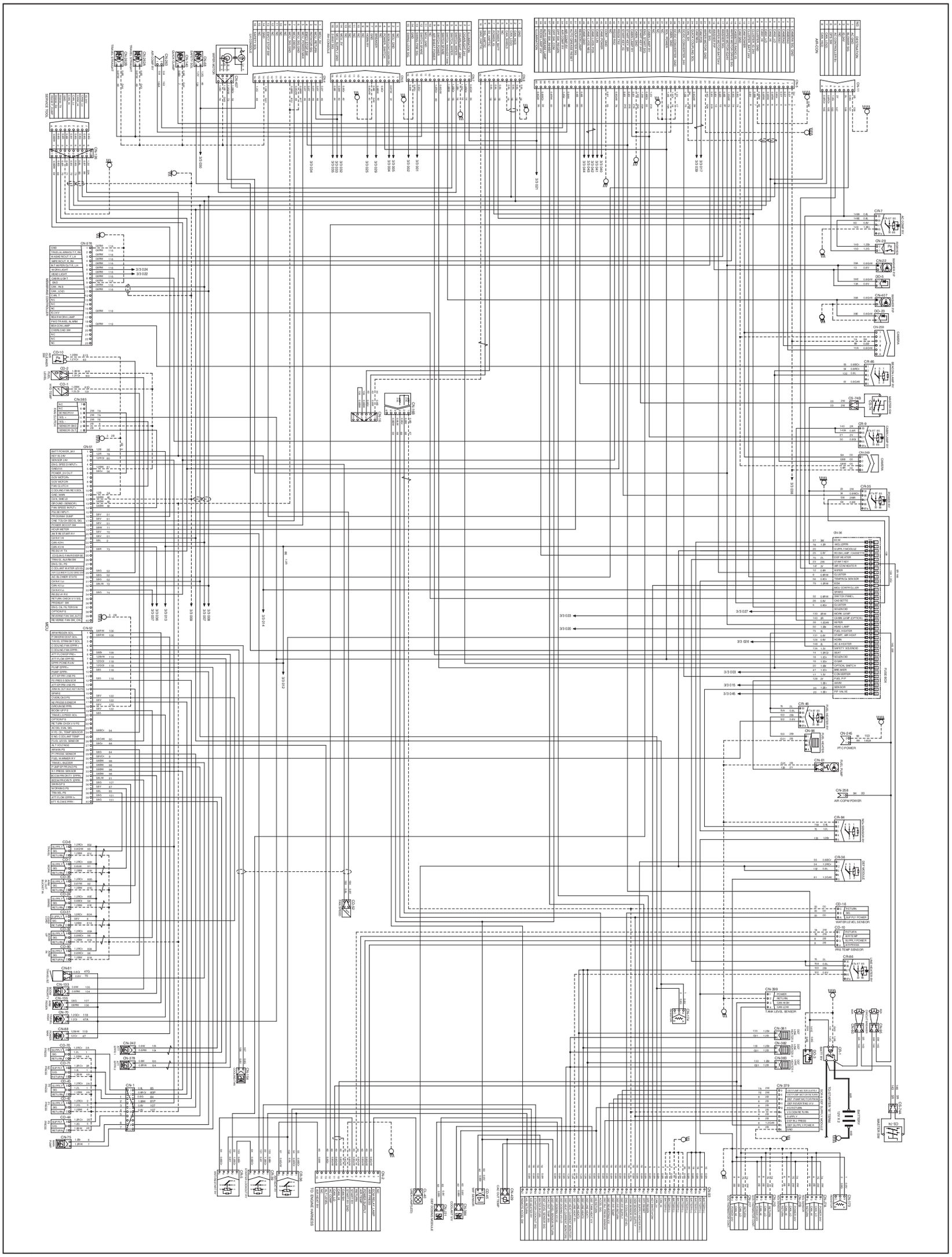
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

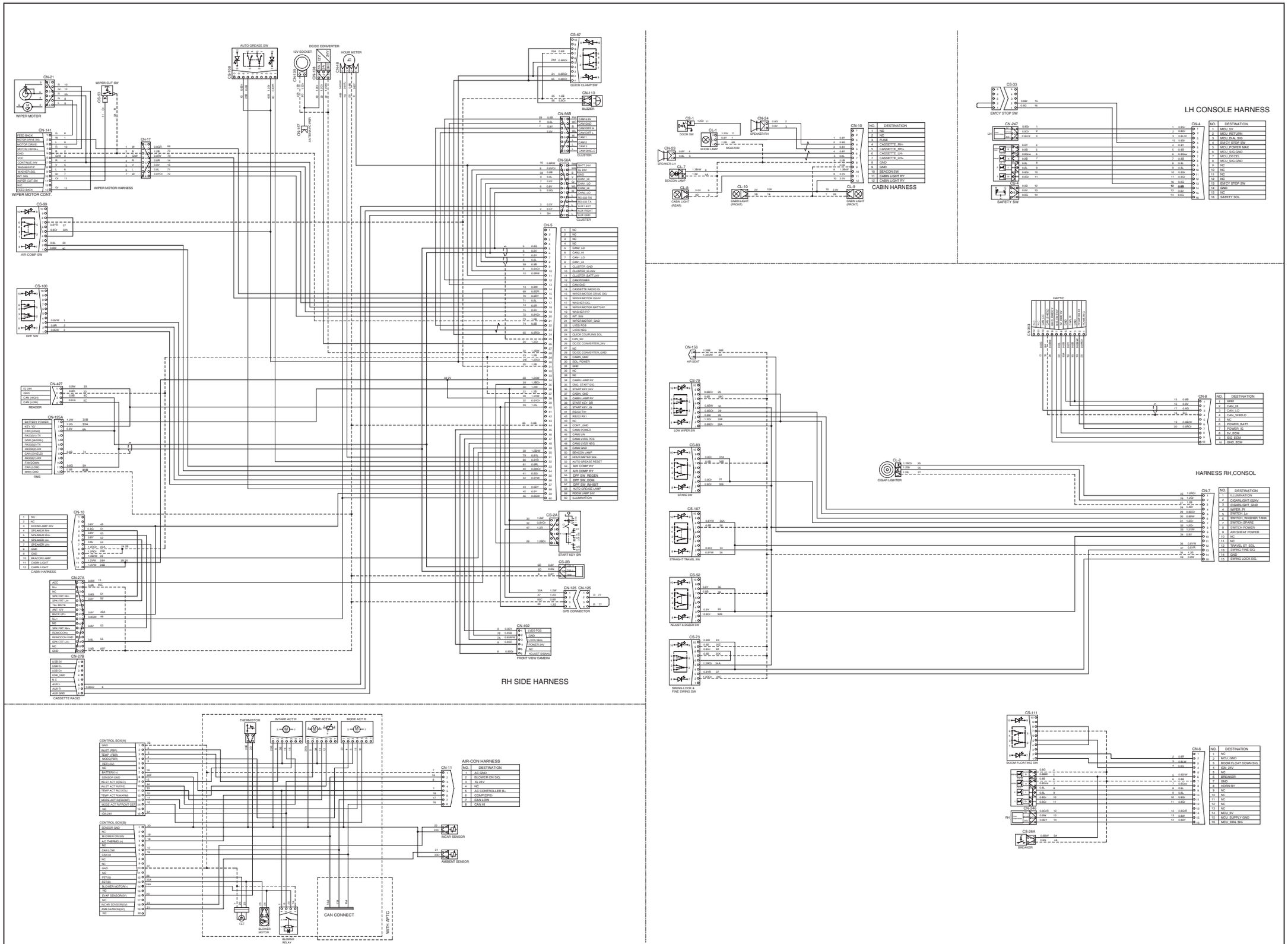
NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

■ HX330 L(#0001~)



20K9-10302(1/3)

HX330 L(#0001~)



NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

CABIN HARNESS

NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_DIAL SIG
4	EMCY STOP SW
5	MCU_POWER MAX
6	MCU_SIG GND
7	MCU_DIECEL
8	MCU_SIG GND
9	NC
10	NC
11	NC
12	NC
13	EMCY STOP SW
14	GND
15	NC
16	SAFETY SOL

LH CONSOLE HARNESS

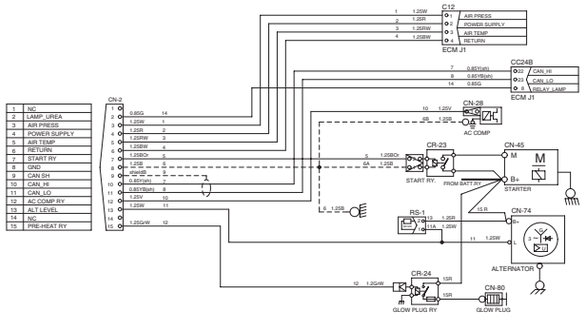
NO.	DESTINATION
1	ILLUMINATION
2	CIGARLIGHT 12/24V
3	CIGARLIGHT_GND
4	WIPER_PI
5	SWITCH_Lo
6	SWITCH_WASHER TANK
7	SWITCH SPARE
8	SWITCH POWER
9	AIR SHEAT POWER
10	NC
11	NC
12	TRAVEL ST_SOL
13	SWING FINE SIG
14	GND
15	SWING LOCK SIG

HARNESS RH,CONSOL

NO.	DESTINATION
1	NC
2	MCU_GND
3	BOOM FLOAT DOWN SIG
4	IGN_24V
5	NC
6	BREAKER
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_SUPPLY GND
16	MCU_DIAL SIG

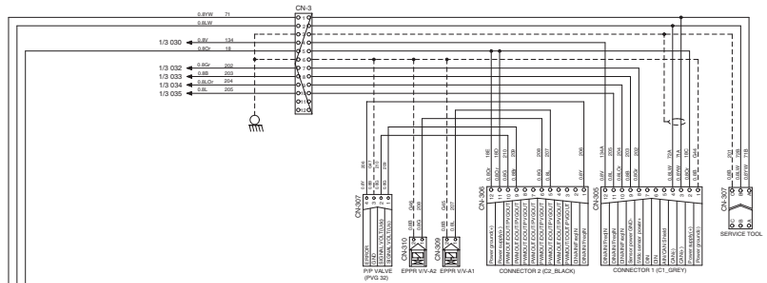
NO.	DESTINATION
1	AC GND
2	BLOWER ON SIG.
3	IG 24V
4	NC
5	AC CONTROLLER B+
6	COMP(CSP3)
7	CAN LOW
8	CAN HI

AIR-CON HARNESS

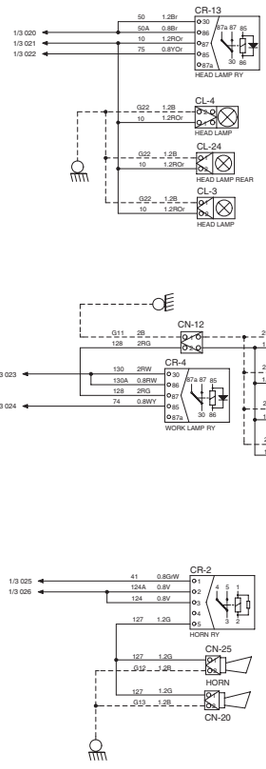


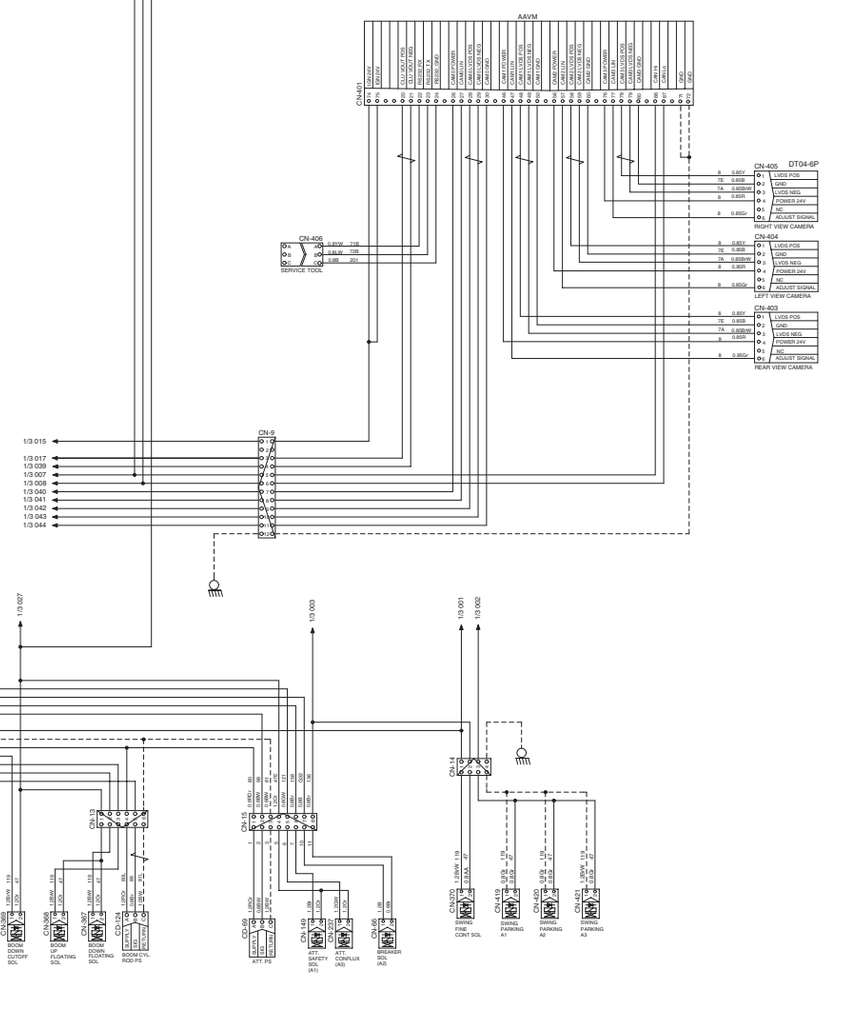
1	NC
2	LAMP_UREA
3	AIR PRESS
4	POWER SUPPLY
5	AIR TEMP
6	RETURN
7	START RY
8	GND
9	CAN SH
10	CAN_HI
11	CAN_LO
12	AC COMP RY
13	ALT LEVEL
14	NC
15	PRE-HEAT RY

ENGINE HARNESS

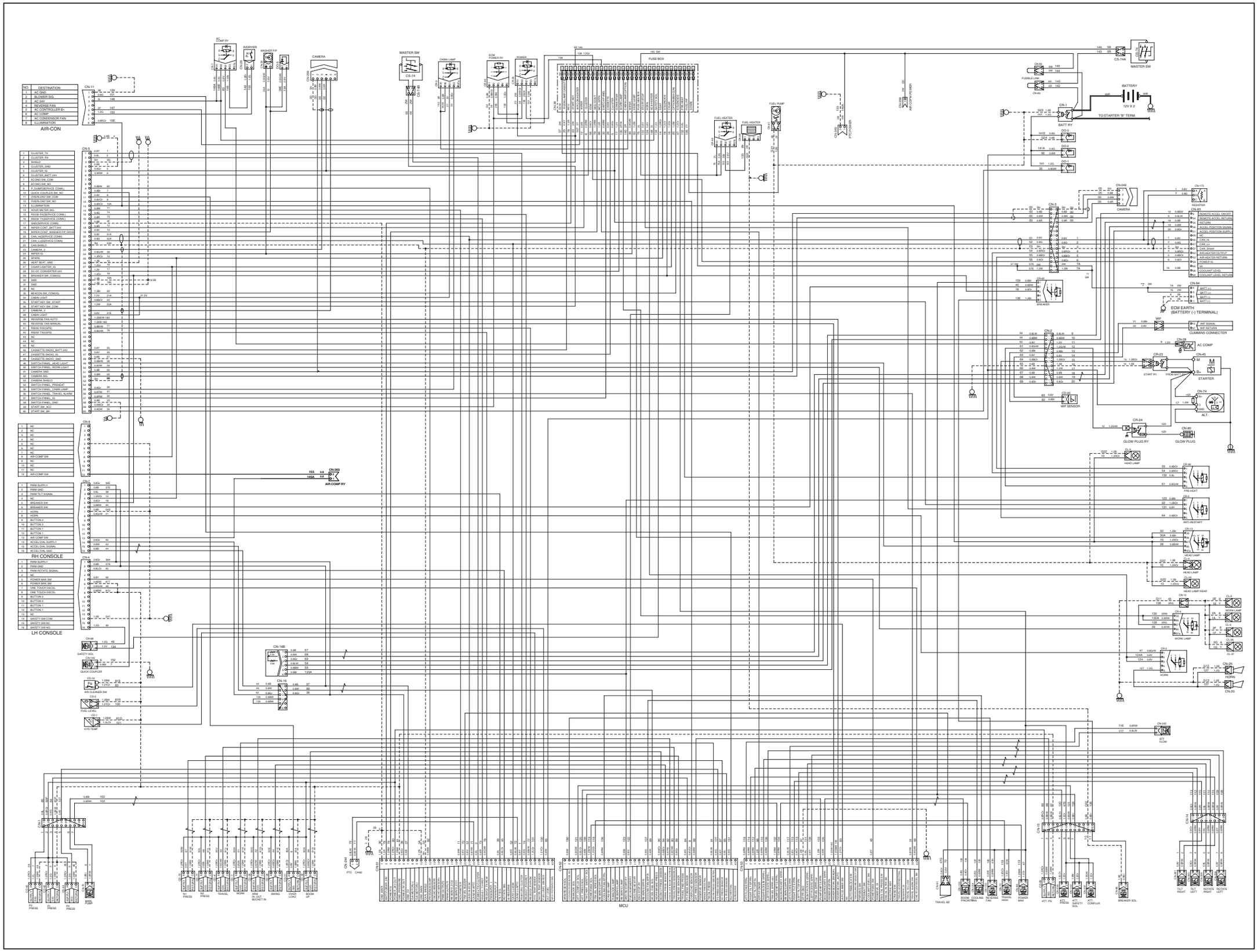


PROPORTIONAL VALVE & LEVER

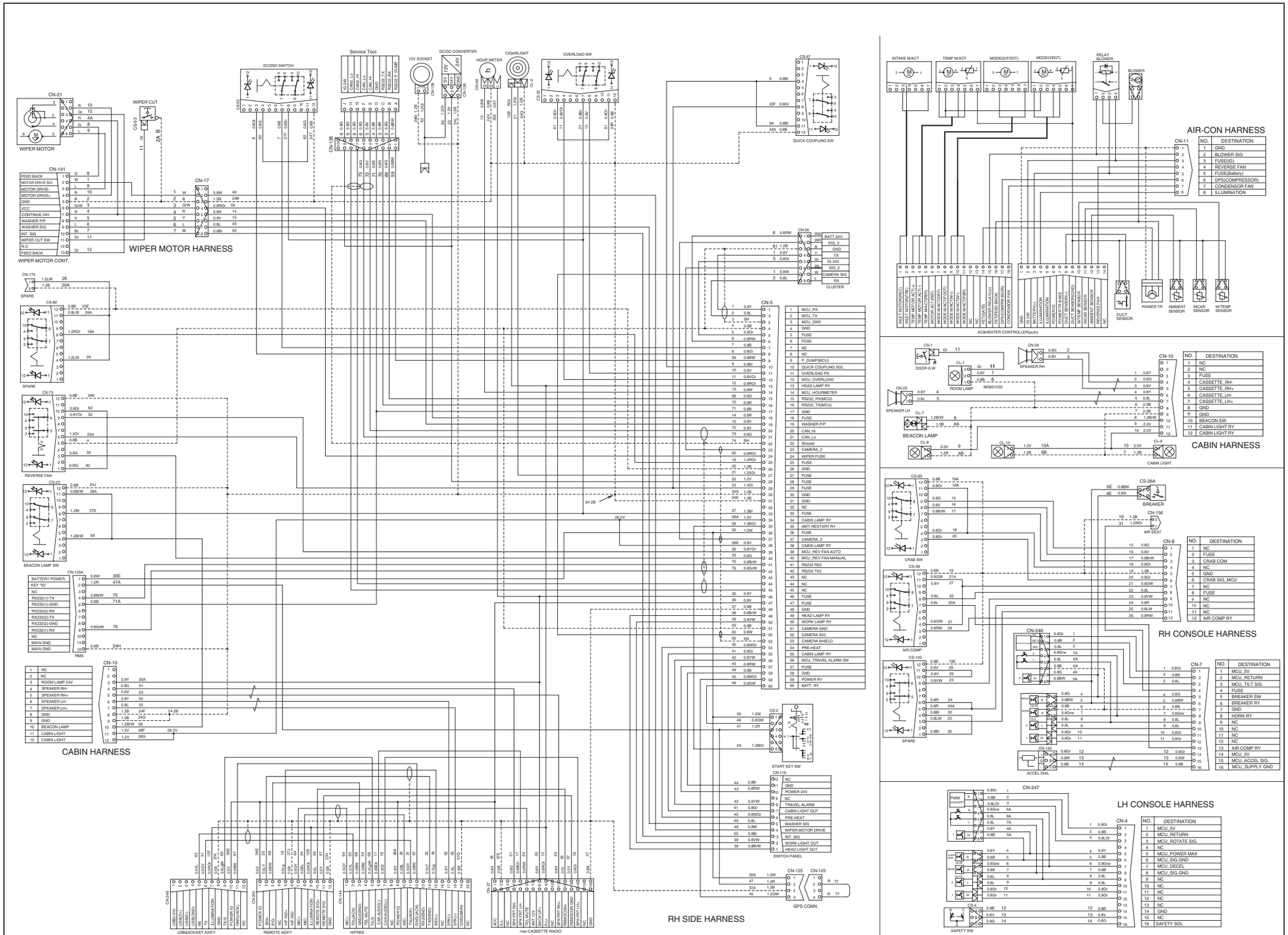




R380LC-9(OLD)



20QA-07104(1/2)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

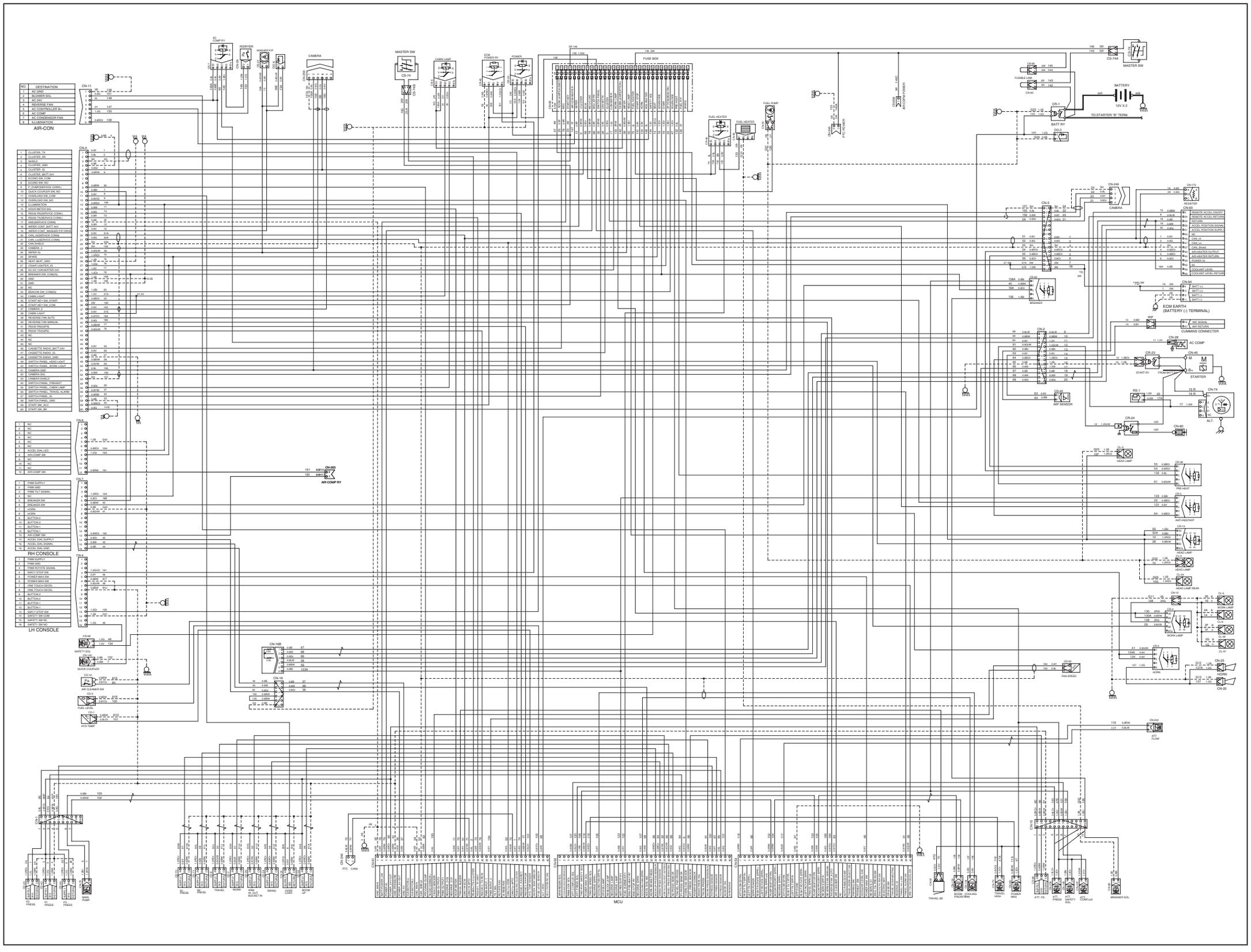
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	GND
6	CRAB SIG_MCU
7	NC
8	FUSE
9	NC
10	NC
11	NC
12	AIR COMP RY

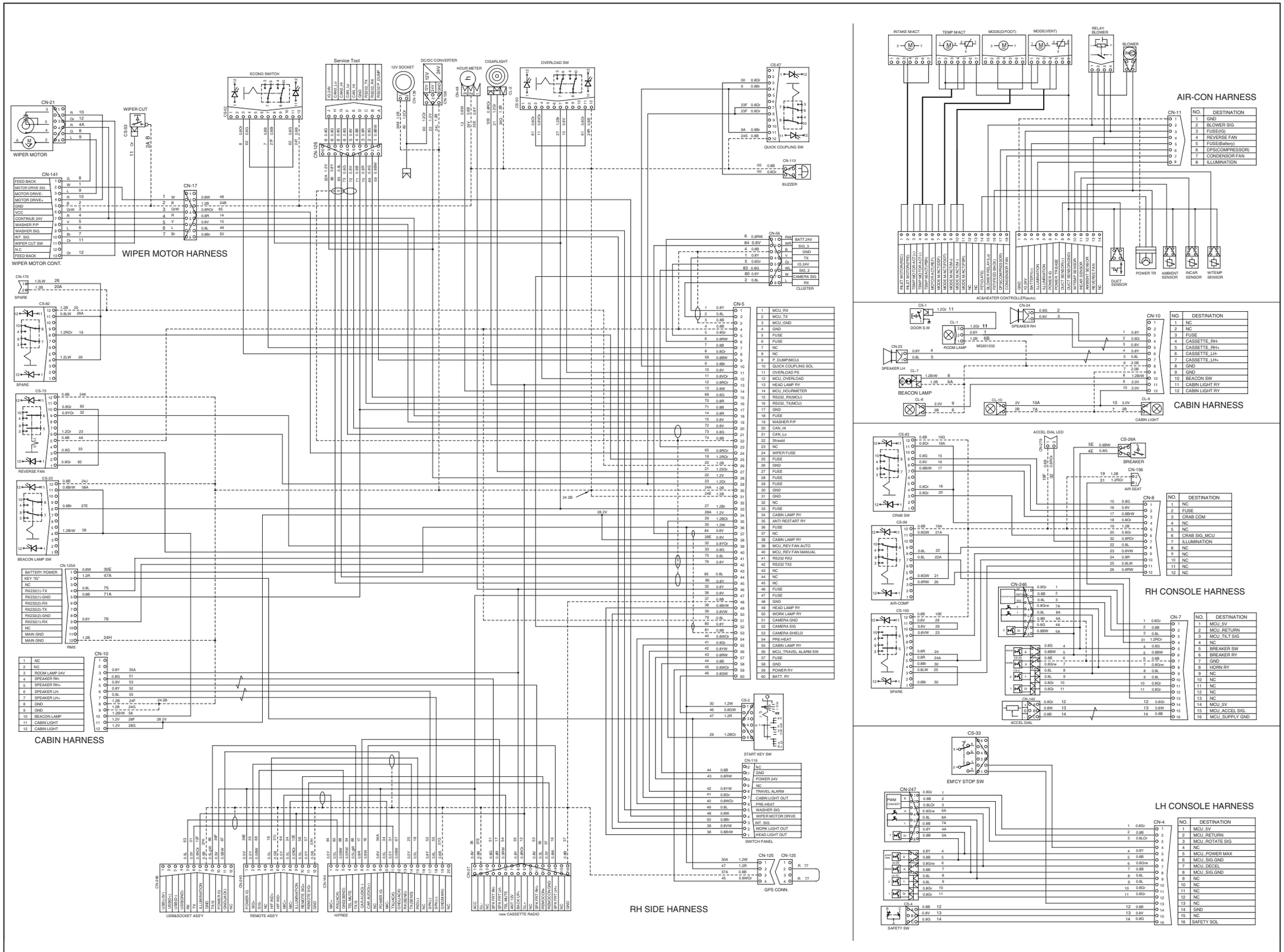
NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_TILT SIG
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_ROTATE SIG
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DIECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R380LC-9(OLD)



20QA-07105(1/2)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

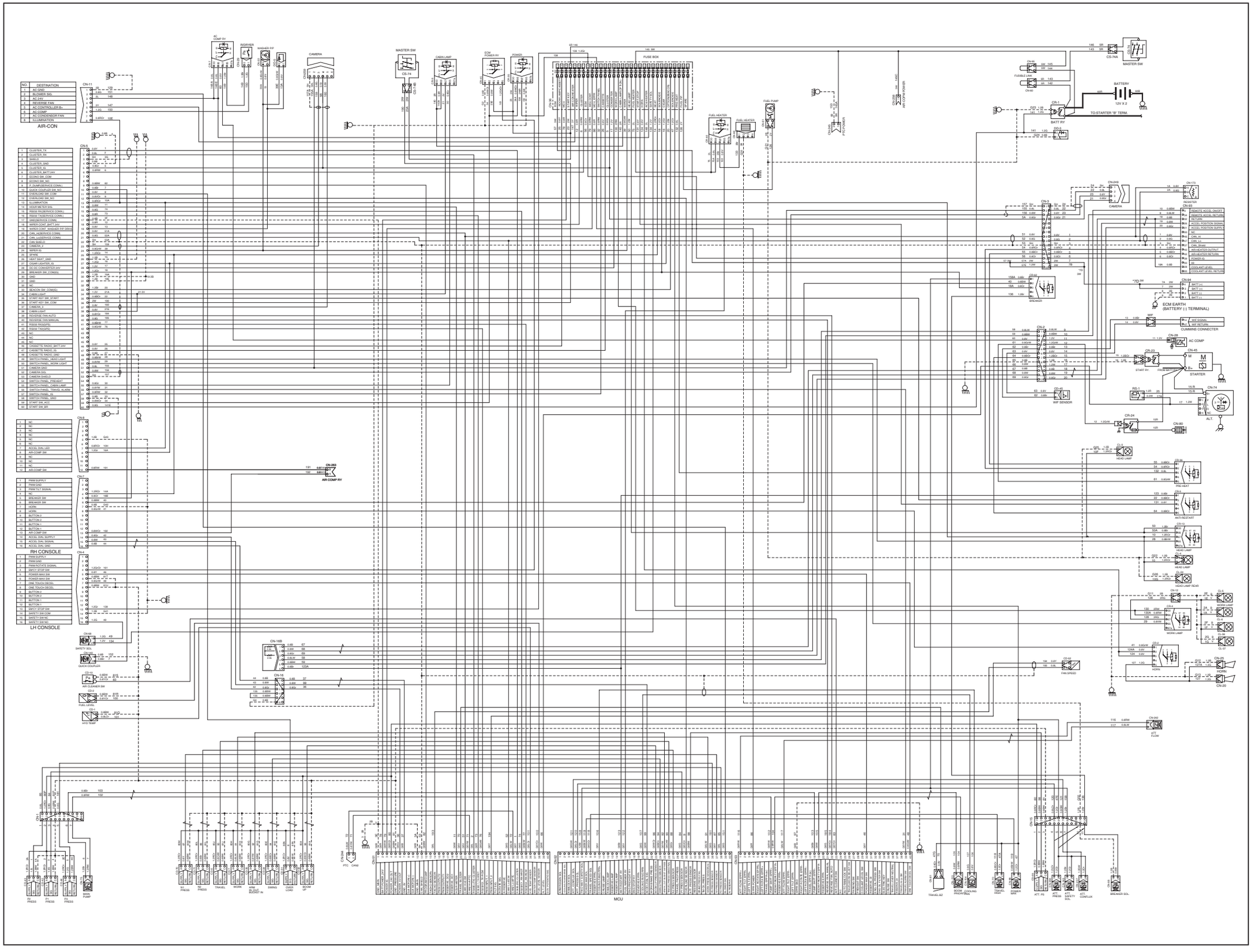
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

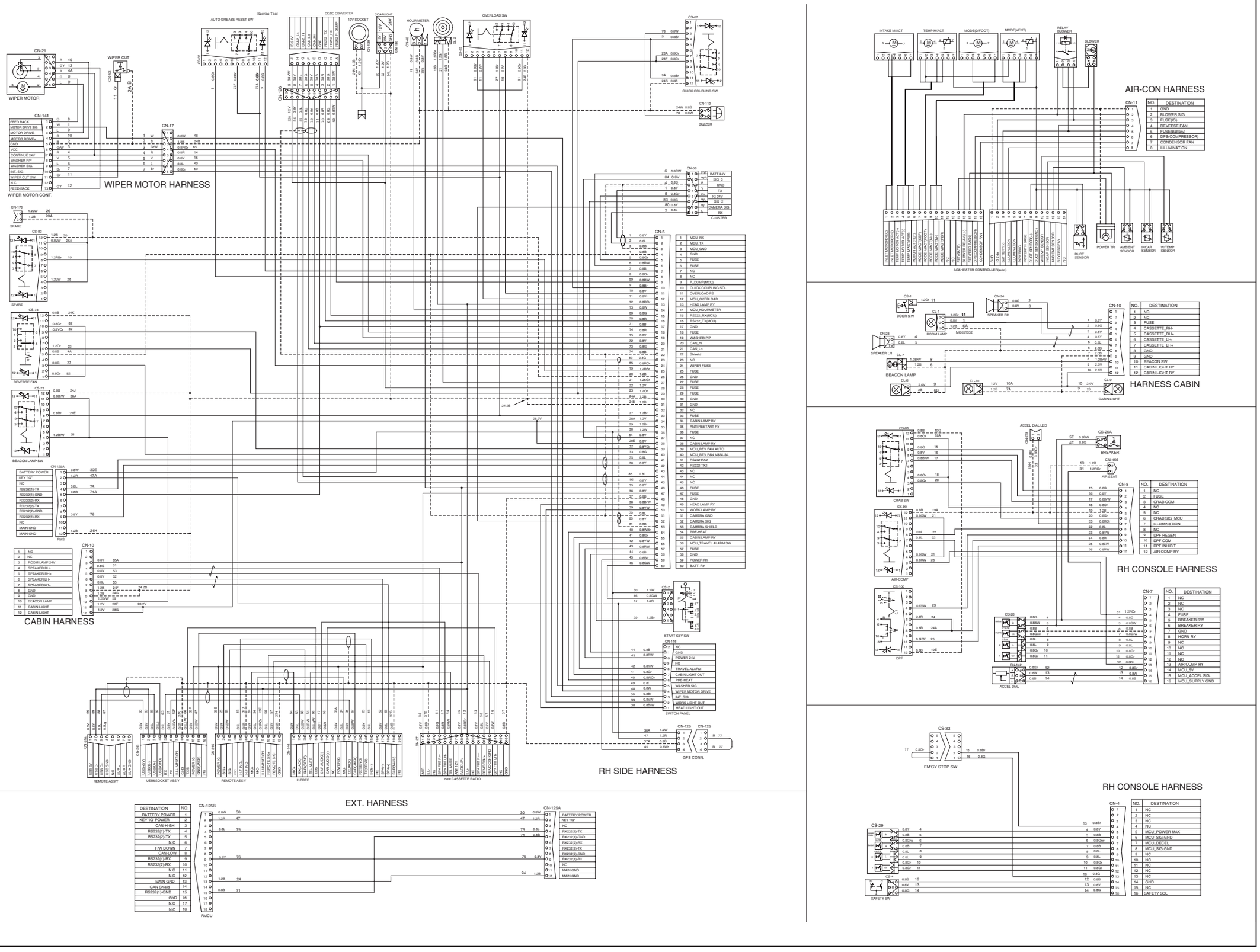
NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_TILT SIG
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	MCU_5V
2	MCU_RETURN
3	MCU_ROTATE SIG
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R380LC-9(CURRENT)



20QA-07106(1/2)



CN-5	
1	MCU_RX
2	MCU_TX
3	MCU_GND
4	GND
5	FUSE
6	FUSE
7	NC
8	NC
9	P_DUMP(MCU)
10	QUICK COUPLING SOL
11	OVERLOAD PS
12	MCU_OVERLOAD
13	HEAD LAMP RY
14	MCU_HOURMETER
15	RS232_RX(MCU)
16	RS232_TX(MCU)
17	GND
18	FUSE
19	WASHER P/P
20	CAN_Hi
21	CAN_Lo
22	Shield
23	NC
24	WIPER FUSE
25	FUSE
26	GND
27	FUSE
28	FUSE
29	FUSE
30	GND
31	GND
32	NC
33	FUSE
34	CABIN LAMP RY
35	ANTI RESTART RY
36	FUSE
37	NC
38	CABIN LAMP RY
39	MCU_REV FAN AUTO
40	MCU_REV FAN MANUAL
41	RS232 RX2
42	RS232 TX2
43	NC
44	NC
45	NC
46	FUSE
47	FUSE
48	GND
49	HEAD LAMP RY
50	WORK LAMP RY
51	CAMERA GND
52	CAMERA SIG
53	CAMERA SHIELD
54	PRE-HEAT
55	CABIN LAMP RY
56	MCU_TRAVEL ALARM SW
57	FUSE
58	GND
59	POWER RY
60	BATT..RY

CN-11	
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	OPS/COMPRESSOR
7	CONDENSOR FAN
8	ILLUMINATION

CN-10	
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

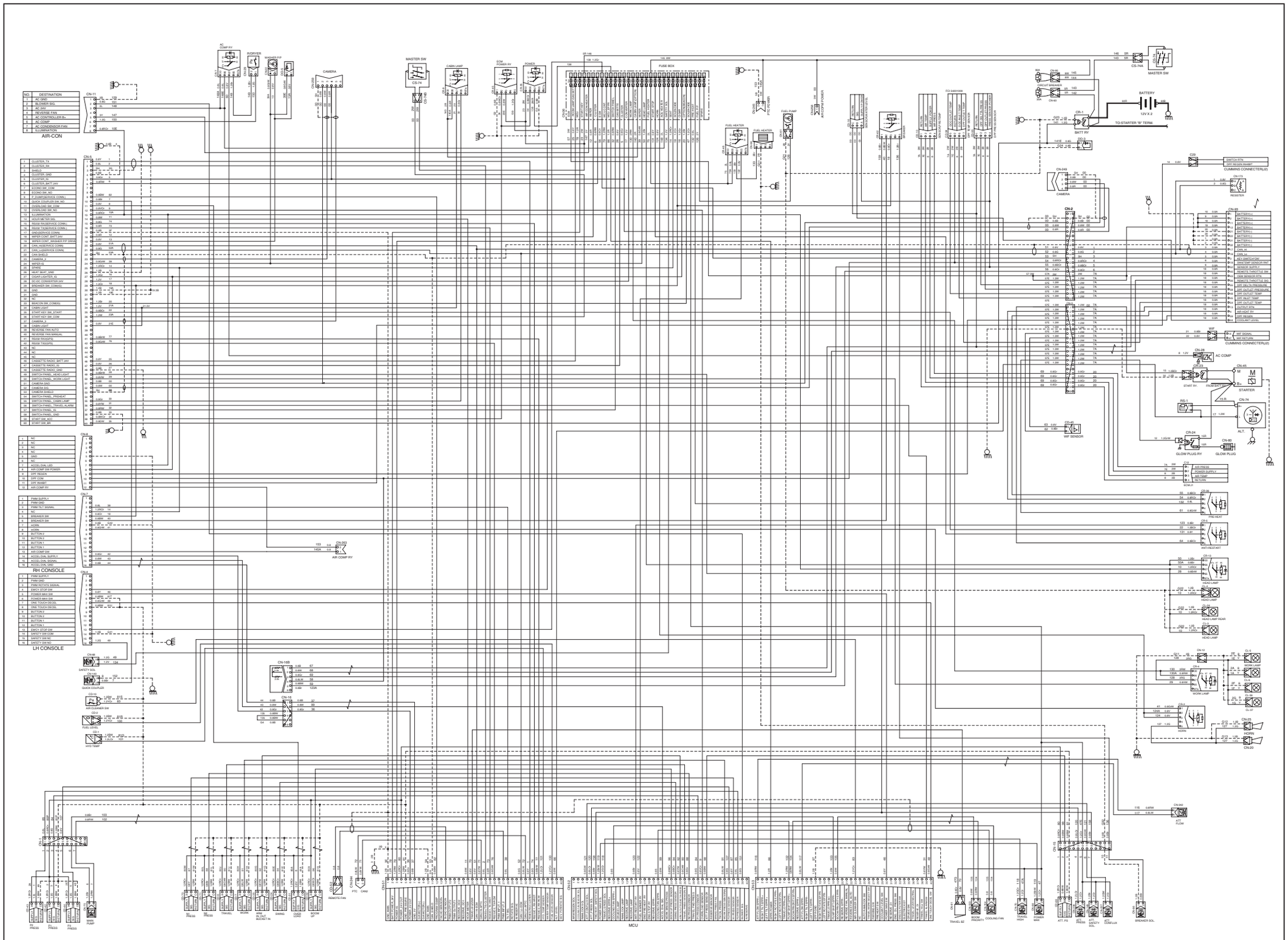
CN-8	
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

CN-7	
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR.COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

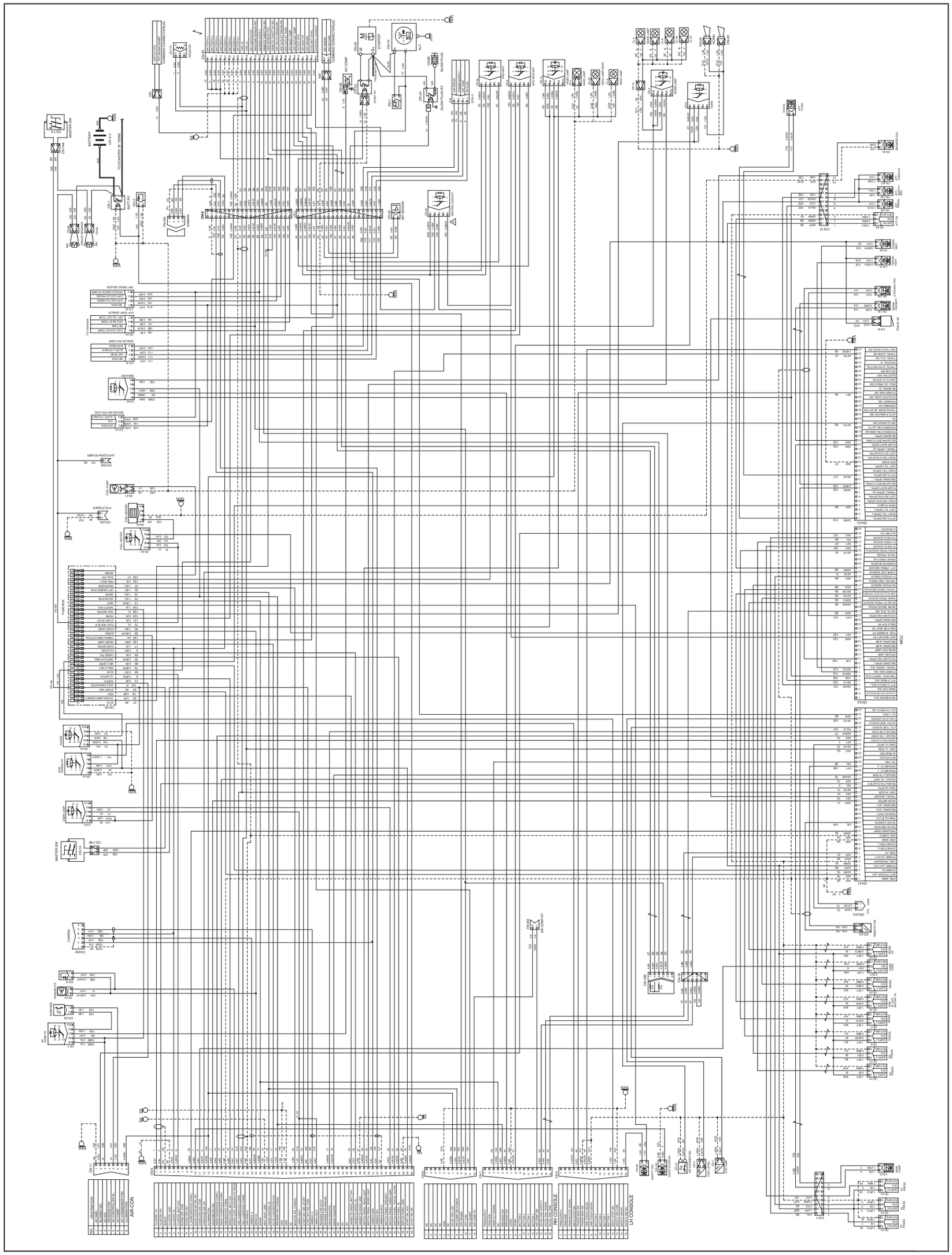
CN-4	
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

CN-125B	CN-125A
BATTERY POWER	BATTERY POWER
KEY 'IG' POWER	KEY 'IG'
CAN-HIGH	NC
RS232(1)-TX	RS232(1)-TX
RS232(2)-TX	RS232(1)-GND
N.C	RS232(2)-RX
F/W DOWN	RS232(2)-TX
CAN-LOW	RS232(2)-GND
RS232(1)-RX	RS232(1)-RX
RS232(2)-RX	NC
N.C	MAIN GND
N.C	MAIN GND
MAIN GND	
CAN Shield	
RS232(1)-GND	
GND	
N.C	
N.C	

R380LC-9A(OLD)

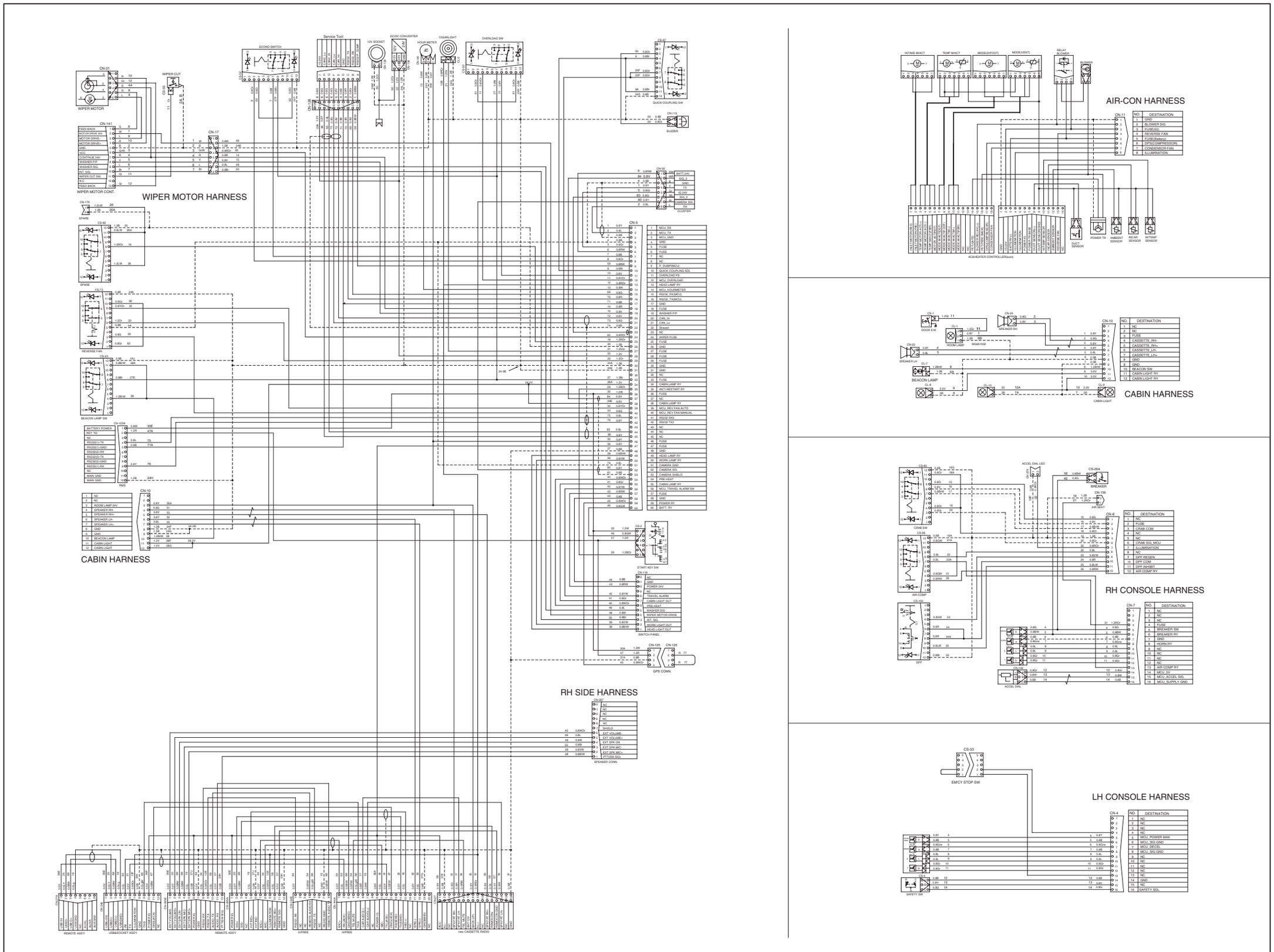


20QA-09101(1/2)



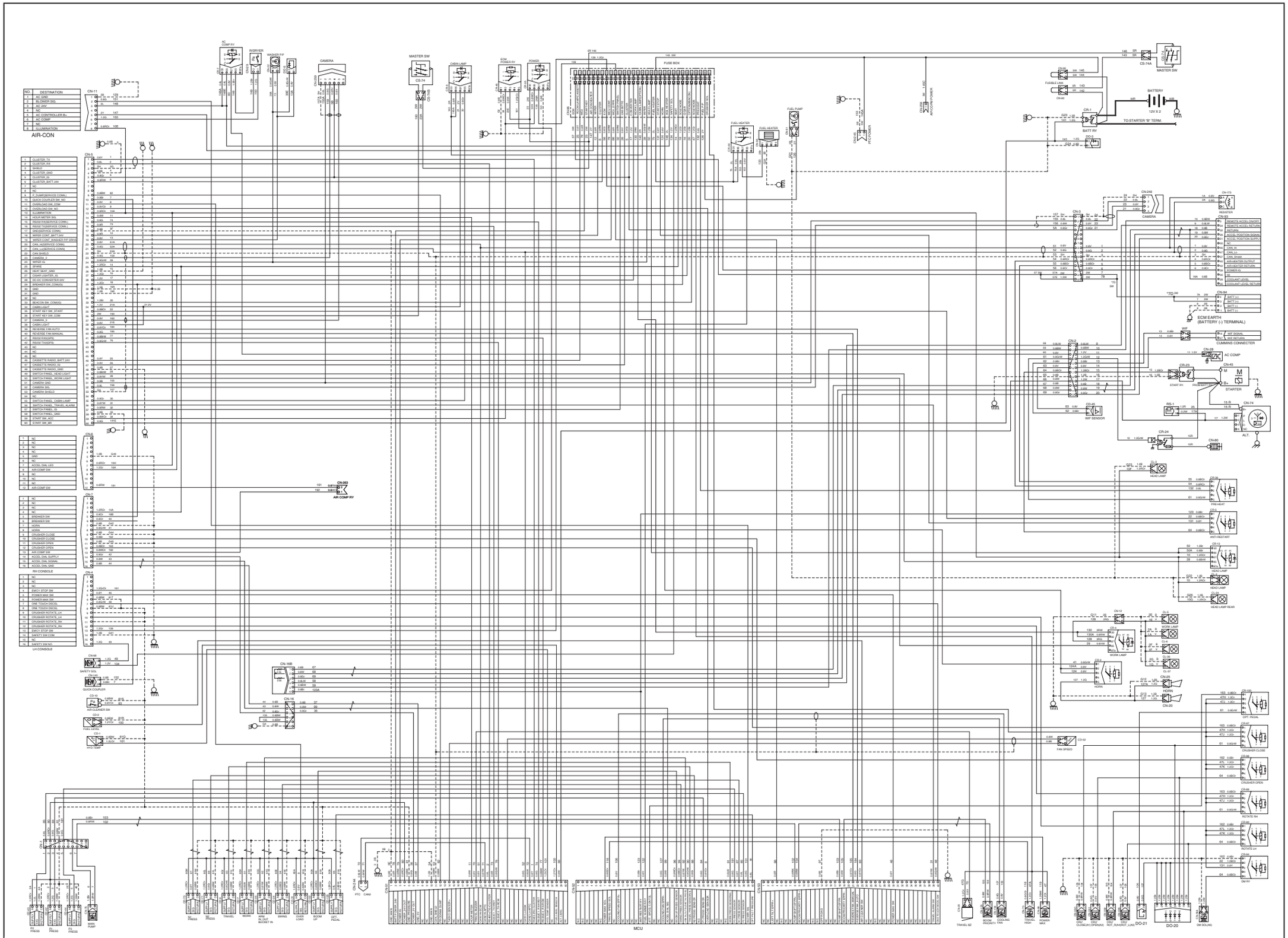
■ R380LC-9A(CURRENT)

R380LC-9A(#0001~)



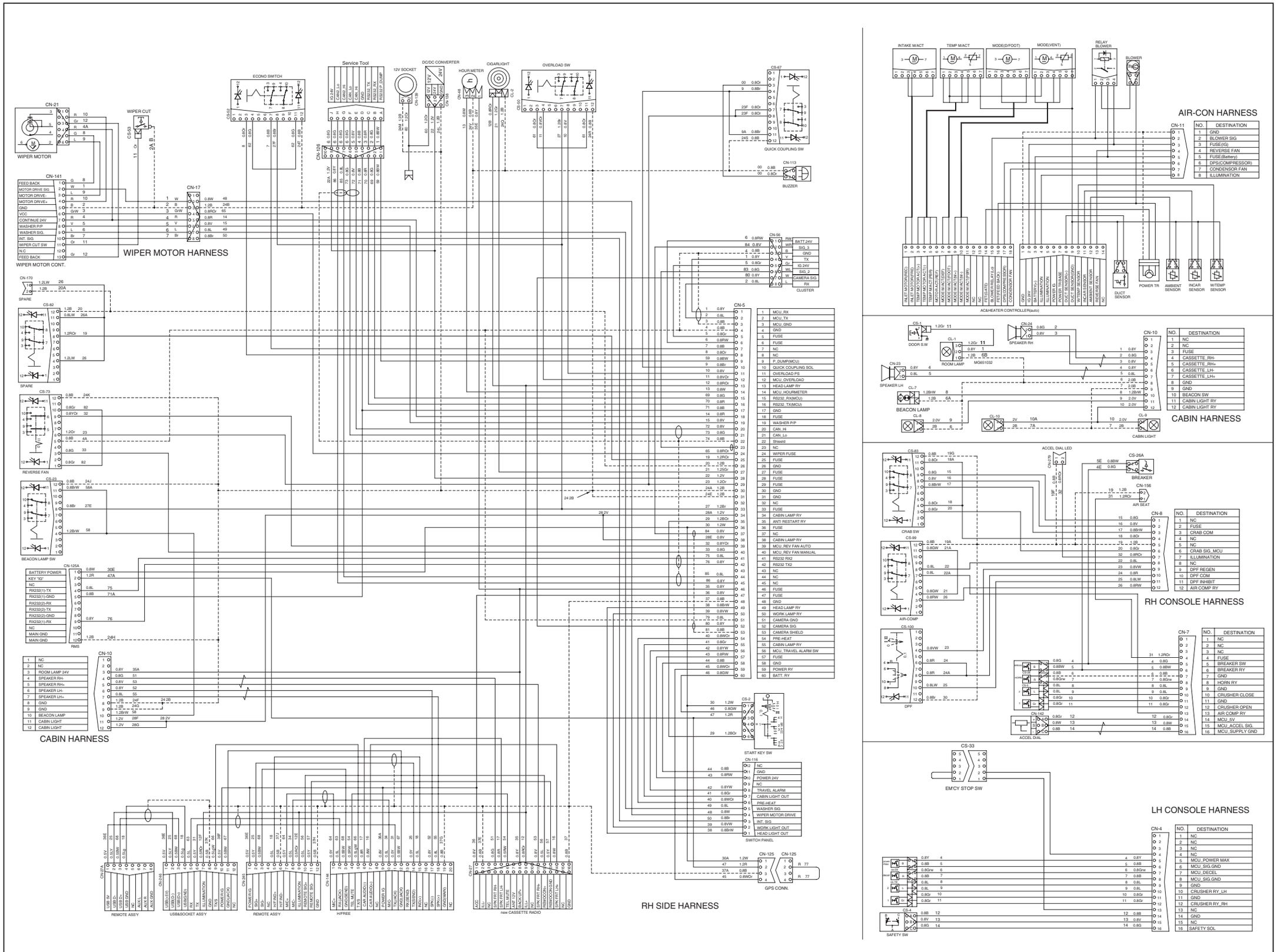
20QA-09101(2/2)

■ R380LC-9DM(#0001~)



26QA-10600(1/2)

R380LC-9DM(#0001~)



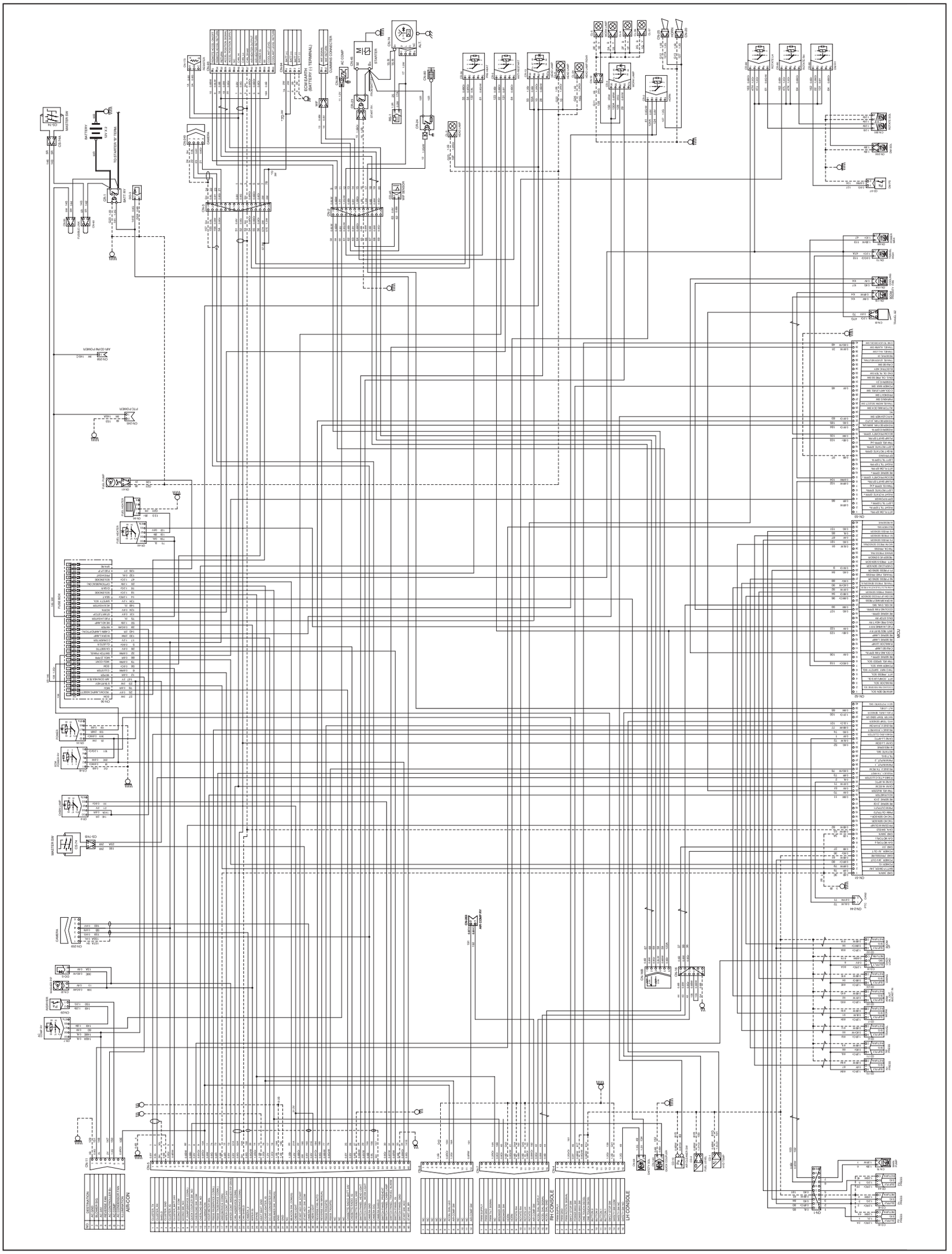
NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

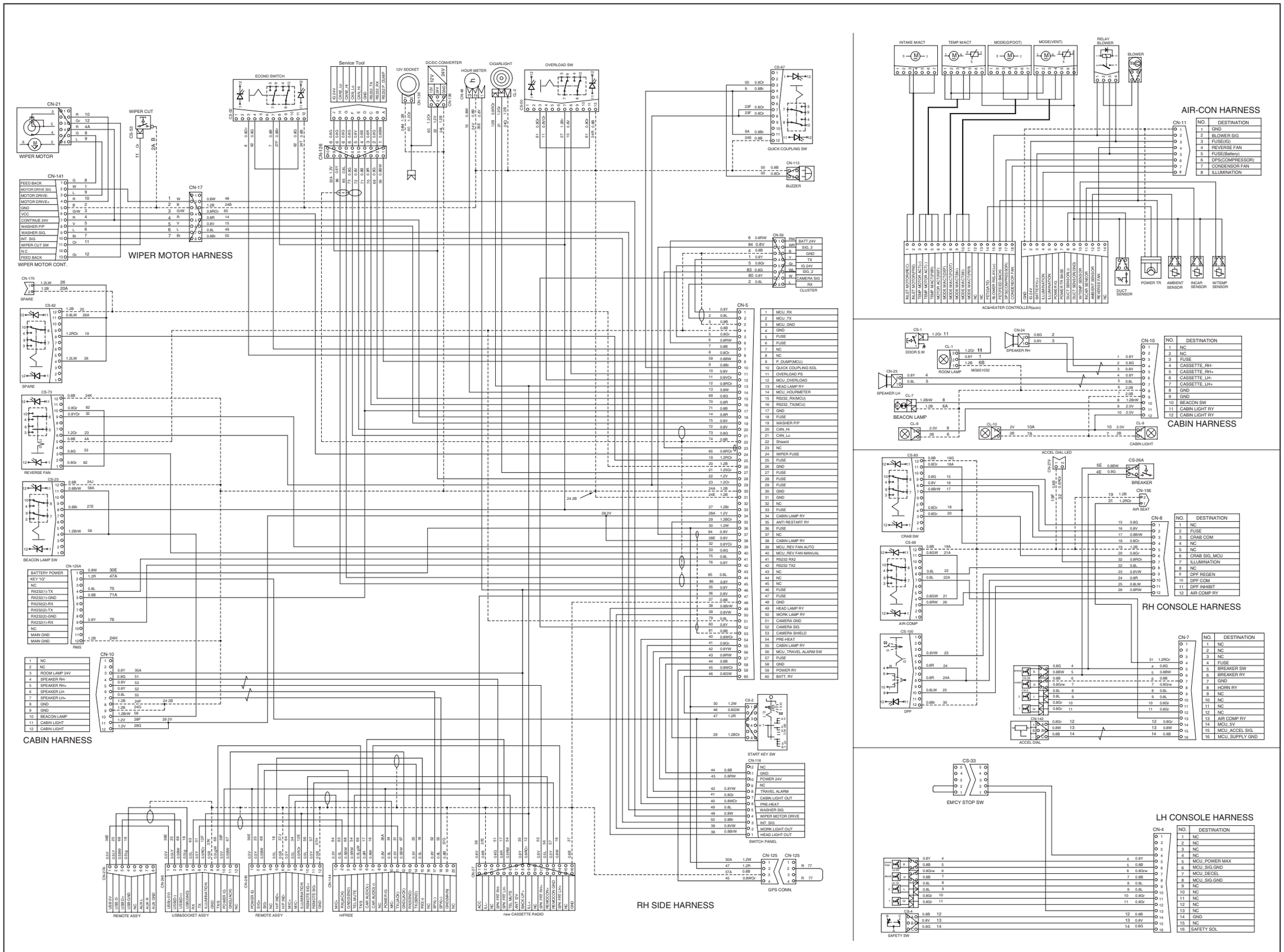
NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	GND
10	CRUSHER CLOSE
11	GND
12	CRUSHER OPEN
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	GND
10	CRUSHER RY_LH
11	GND
12	CRUSHER RY_RH
13	NC
14	GND
15	NC
16	SAFETY SOL



■ R380LC-9MH(TILT CAB, #0001~)

R380LC-9MH(TILT CAB, #0001~)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	GRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

1	MCU_RX
2	MCU_TX
3	MCU_GND
4	GND
5	FUSE
6	FUSE
7	NC
8	NC
9	P_DUMP(MCU)
10	QUICK COUPLING SOL
11	OVERLOAD PS
12	MCU_OVERLOAD
13	HEAD LAMP RY
14	MCU_HOURMETER
15	RS232_RX(MCU)
16	RS232_TX(MCU)
17	GND
18	FUSE
19	WASHER P/P
20	CAN_Hi
21	CAN_Lo
22	Shield
23	NC
24	WIPER FUSE
25	FUSE
26	GND
27	FUSE
28	FUSE
29	FUSE
30	GND
31	GND
32	NC
33	FUSE
34	CABIN LAMP RY
35	ANTI RESTART RY
36	FUSE
37	NC
38	CABIN LAMP RY
39	MCU_REV FAN AUTO
40	MCU_REV FAN MANUAL
41	RS232 RX2
42	RS232 TX2
43	NC
44	NC
45	NC
46	FUSE
47	FUSE
48	GND
49	HEAD LAMP RY
50	WORK LAMP RY
51	CAMERA GND
52	CAMERA SIG
53	CAMERA SHIELD
54	PRE-HEAT
55	CABIN LAMP RY
56	MCU_TRAVEL ALARM SW
57	FUSE
58	GND
59	POWER RY
60	BATT. RY

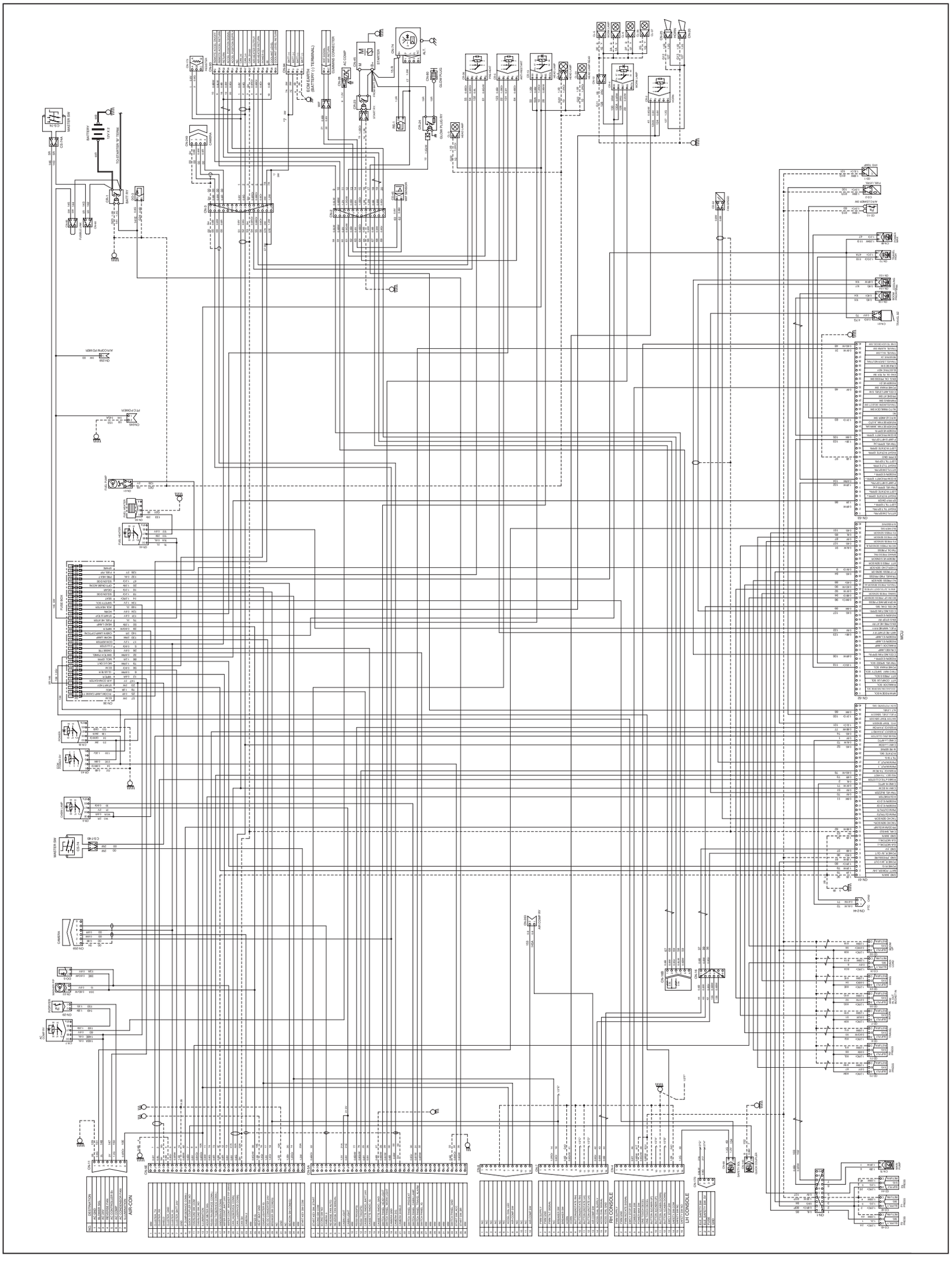
1	NC
2	NC
3	ROOM LAMP 24V
4	SPEAKER RH-
5	SPEAKER RH+
6	SPEAKER LH-
7	SPEAKER LH+
8	GND
9	GND
10	BEACON LAMP
11	CABIN LIGHT
12	CABIN LIGHT

BATTERY POWER	
KEY "IG"	
NC	
RX232(1)-TX	
RX232(1)-GND	
RX232(2)-RX	
RX232(2)-TX	
RX232(2)-GND	
RX232(1)-RX	
NC	
MAIN GND	
MAIN GND	

FEED BACK	
MOTOR DRIVE SIG.	
MOTOR DRIVE-	
MOTOR DRIVE+	
GND	
VCC	
CONTINUE 24V	
WASHER P/P	
WASHER SIG.	
INT. SIG	
WIPER CUT SW	
N.C	
FEED BACK	

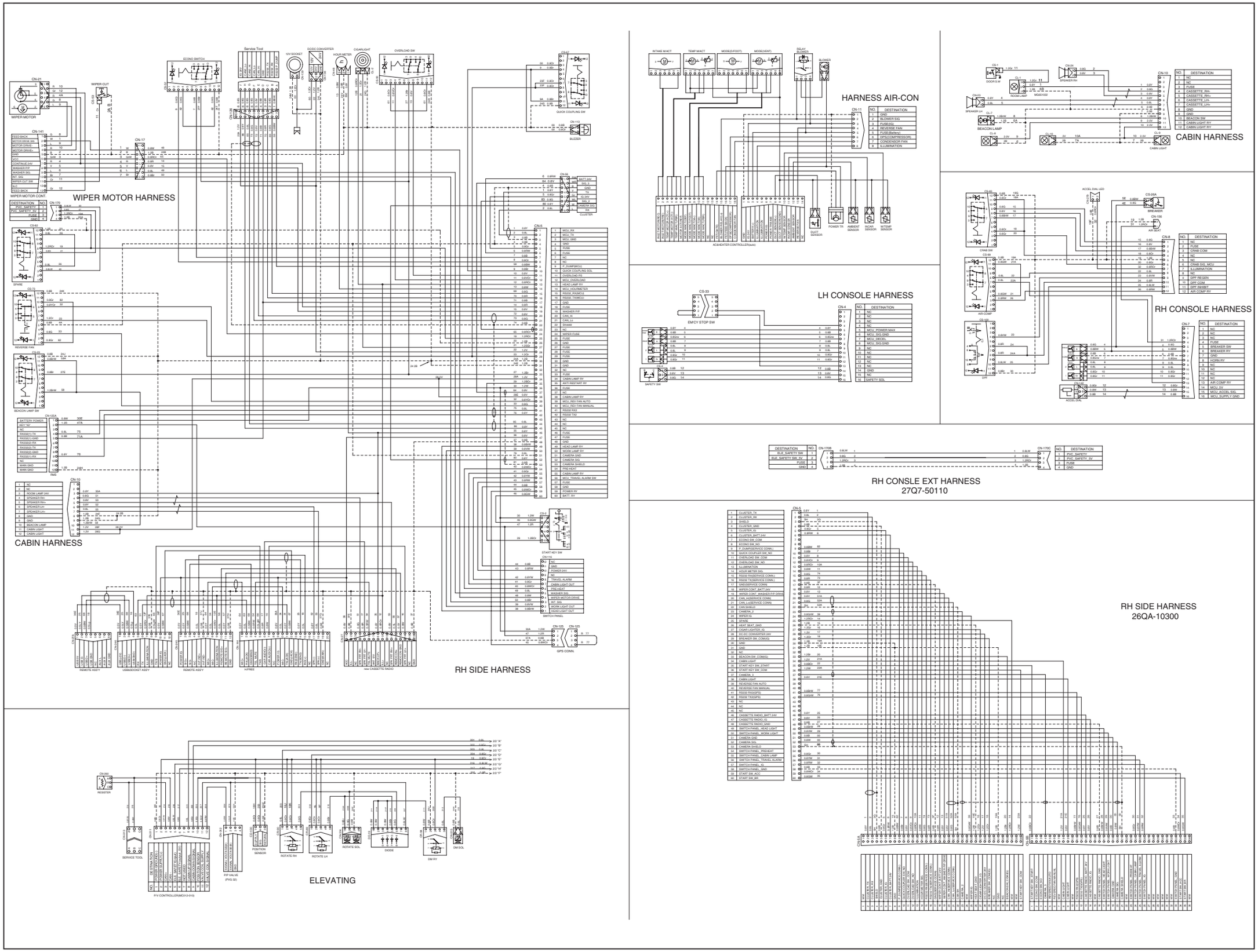
	BATT.24V
	SIG_3
	GND
	TX
	IG 24V
	SIG_2
	CAMERA SIG
	RX

	NC
	GND
	POWER 24V
	NC
	TRAVEL ALARM
	CABIN LIGHT OUT
	PRE-HEAT
	WASHER SIG
	WIPER MOTOR DRIVE
	INT. SIG
	WORK LIGHT OUT
	HEAD LIGHT OUT

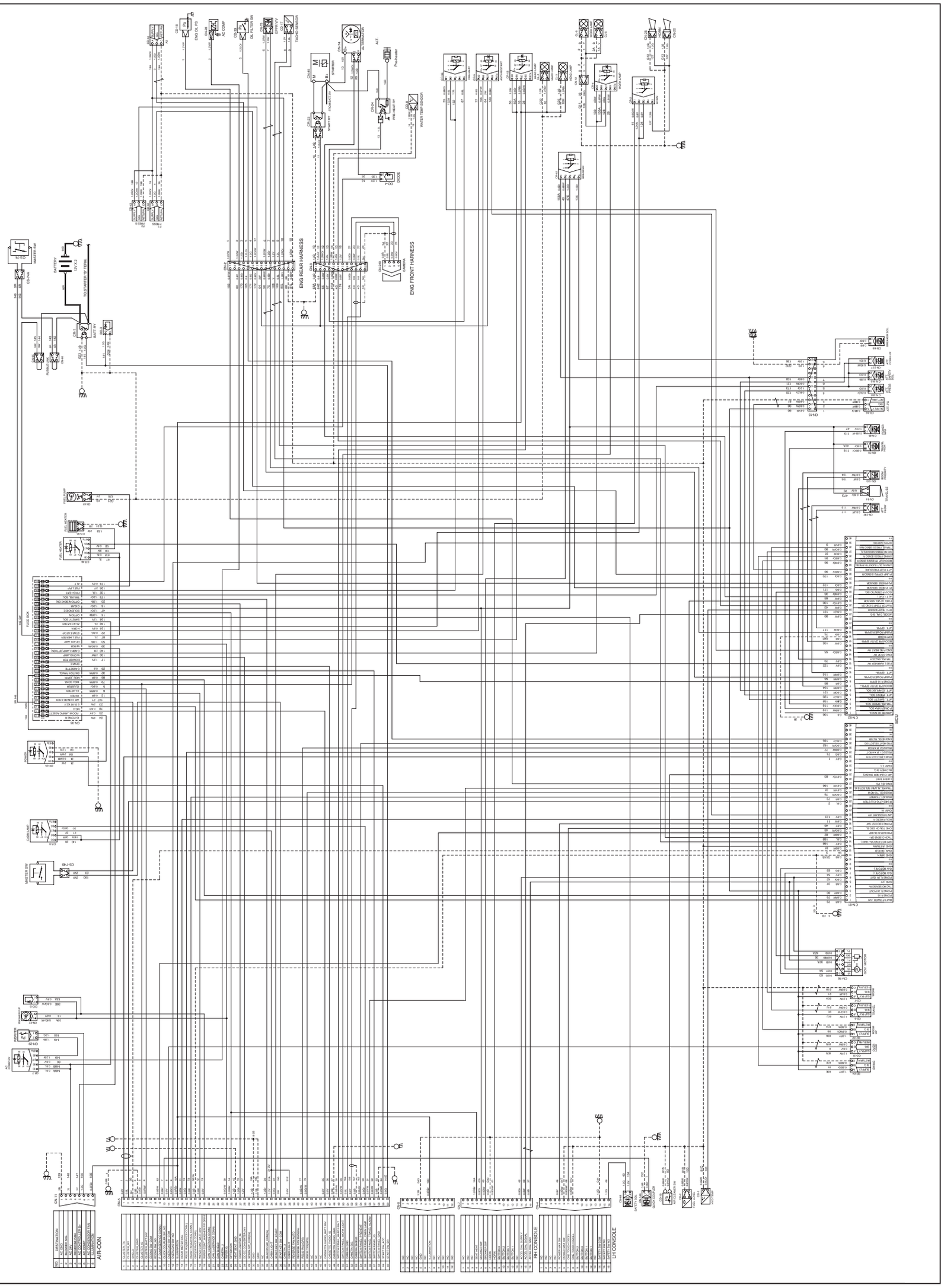


■ R380LC-9MH(ELEVATING CAB, #0001~)

R380LC-9MH(ELEVATING CAB, #0001~)

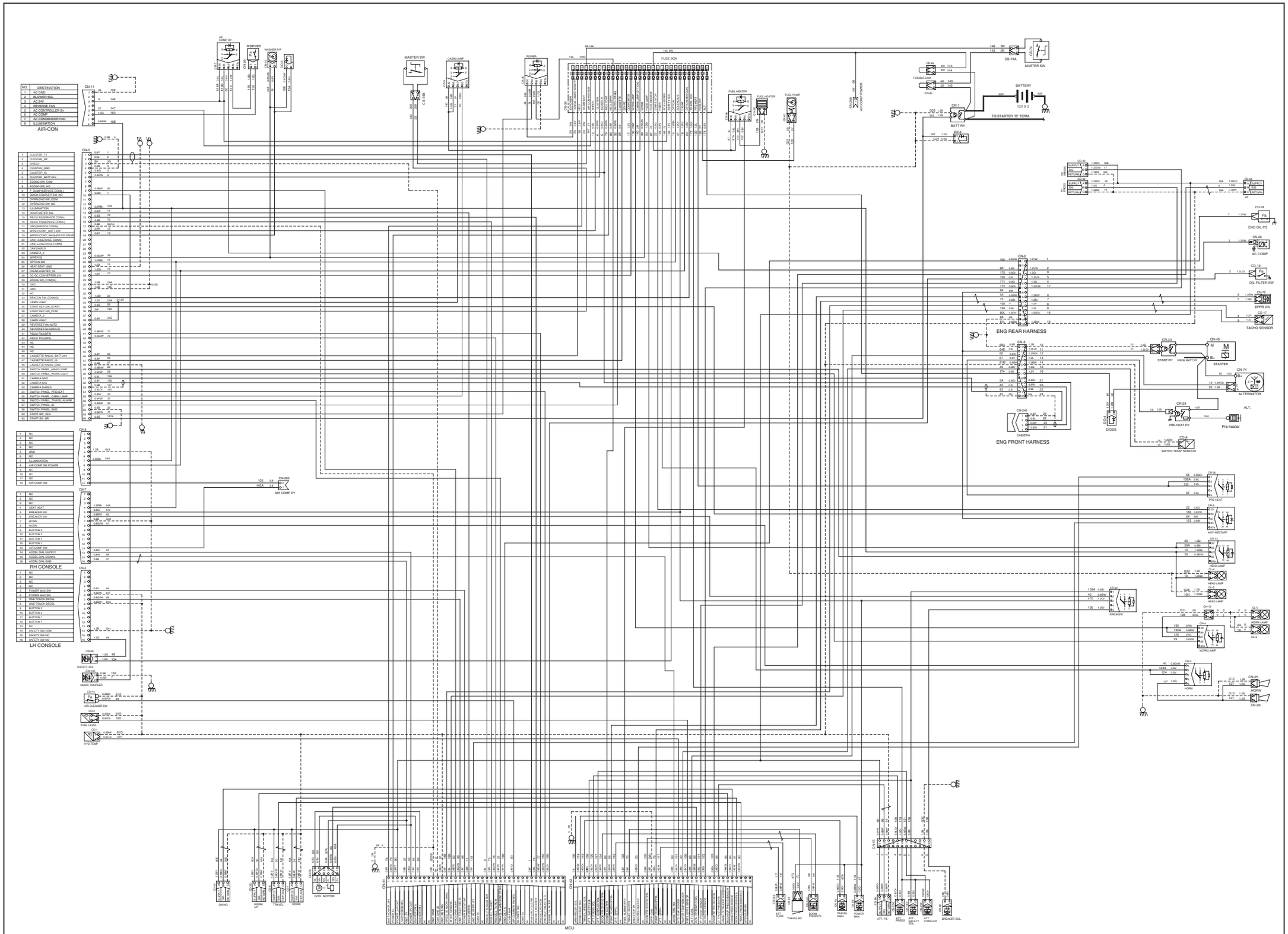


20QA-07400(2/2)

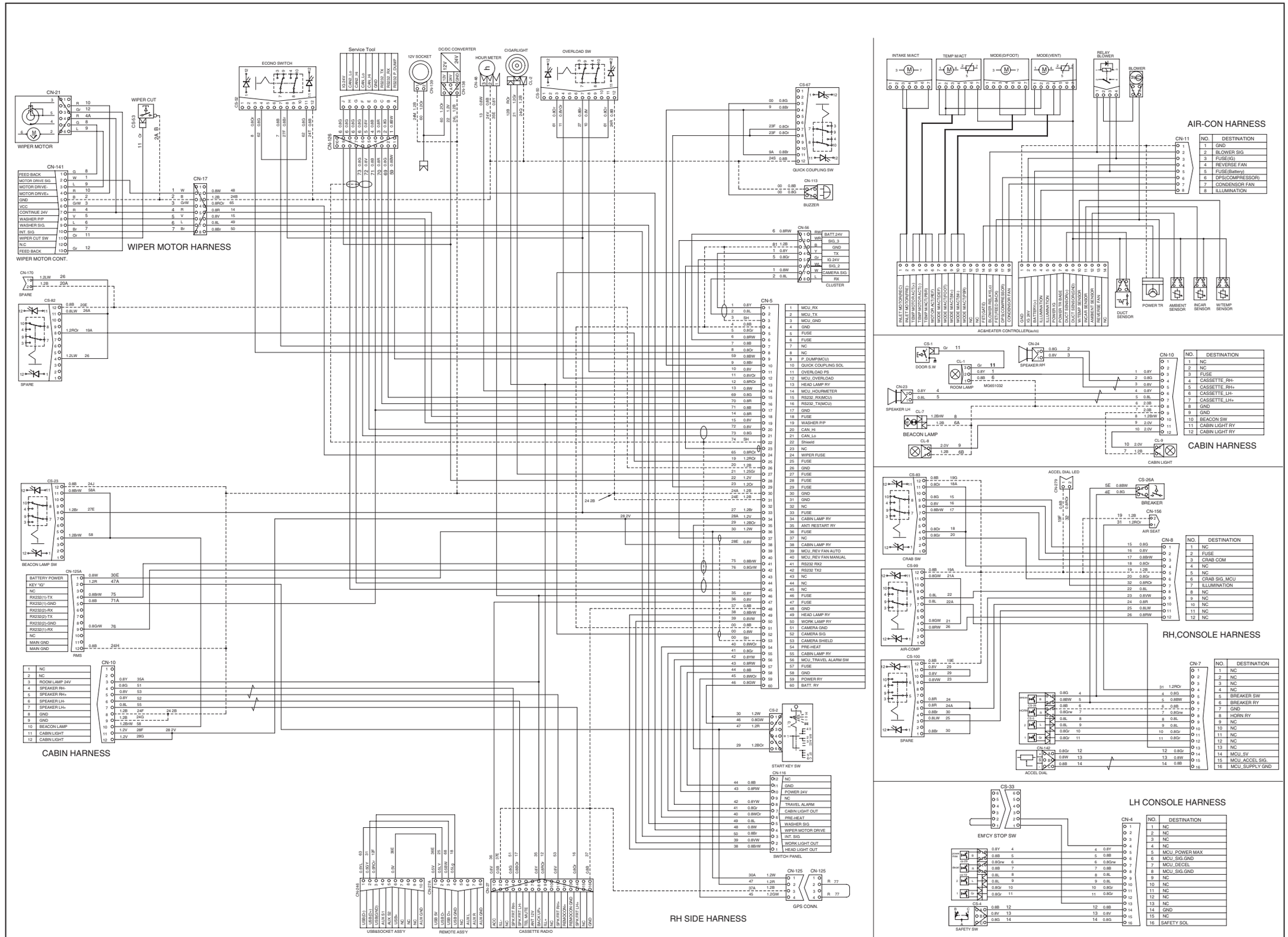


■ R380LC-9SH(Cluster type 1, OLD)

R380LC-9SH(Cluster type 1, CURRENT)



20QA-08102(1/2)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS/COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

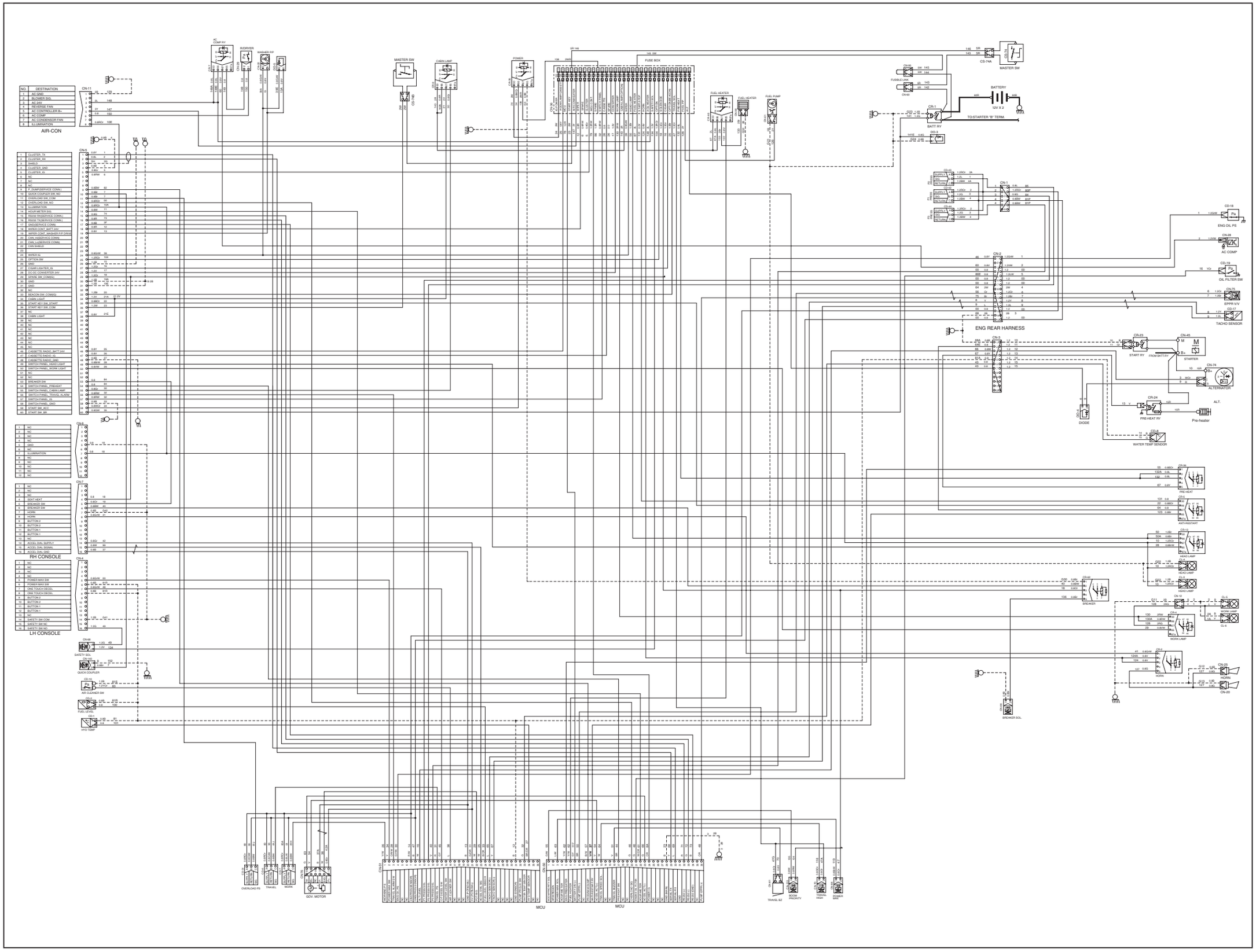
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

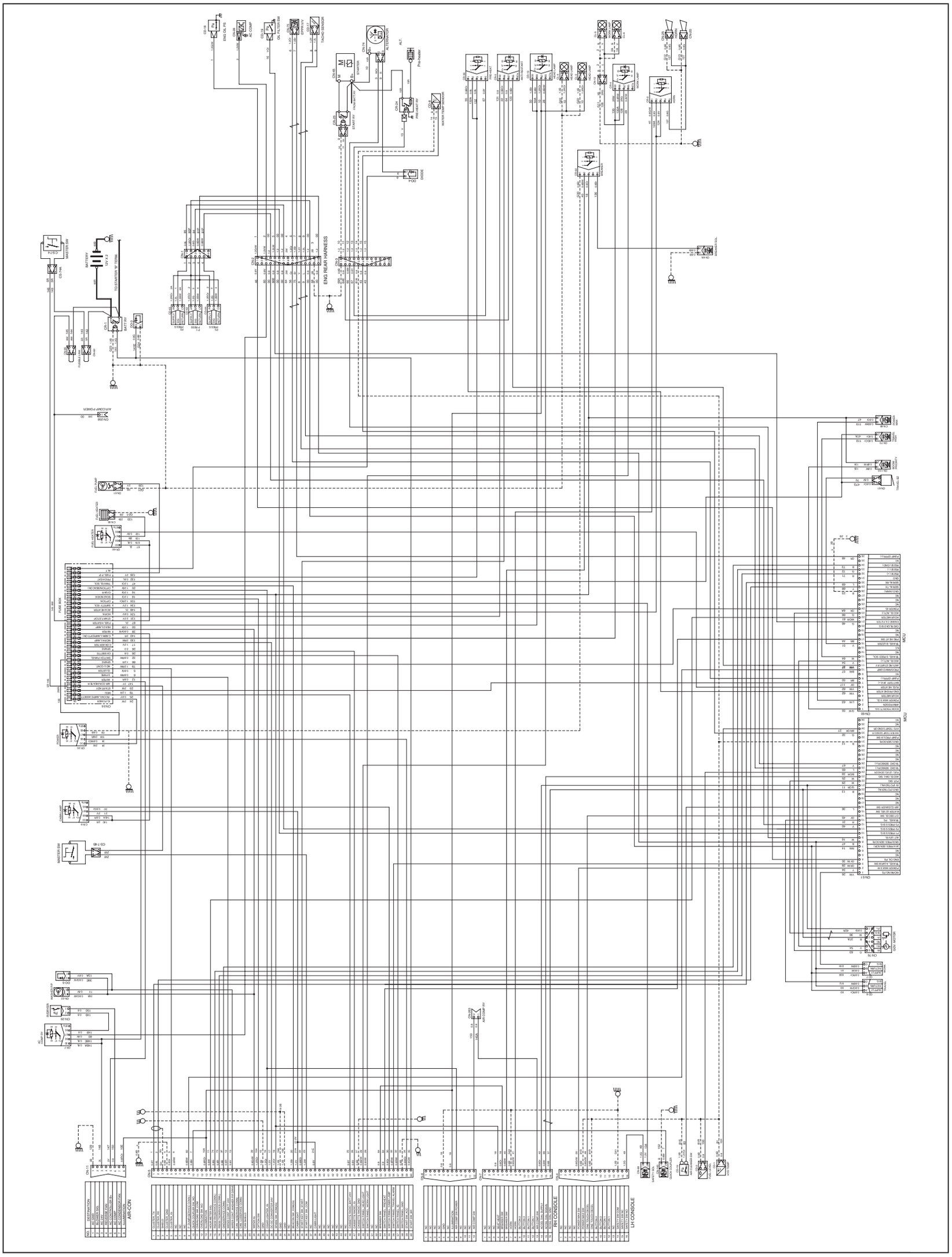
NO.	DESTINATION
1	NC
2	NC
3	NC
4	BREAKER SW
5	BREAKER RY
6	GND
7	HORN RY
8	NC
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R380LC-9SH(Cluster type 2, OLD)

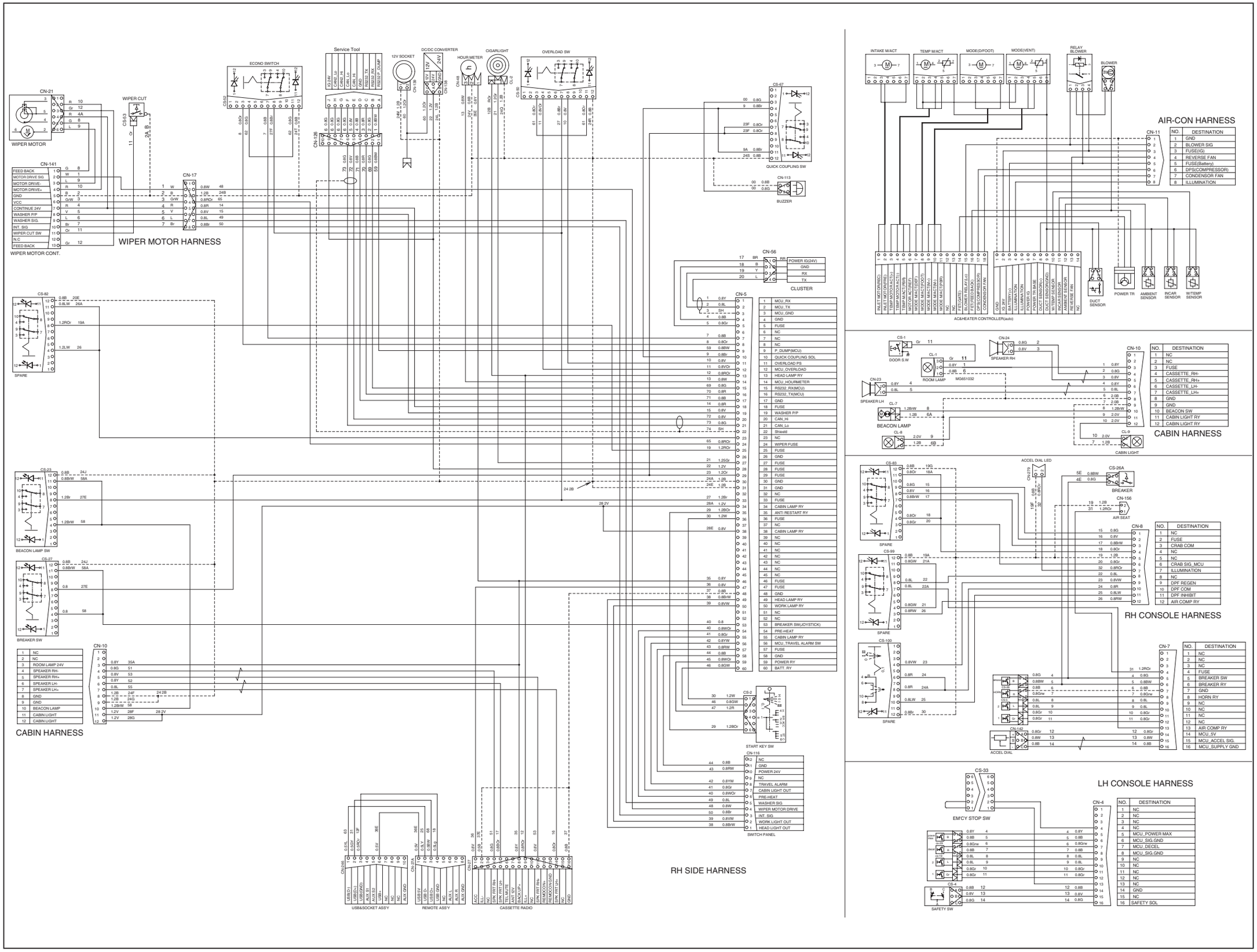


20QA-08201(1/2)



■ R380LC-9SH(Cluster type 2, CURRENT)

R380LC-9SH(Cluster type 2, #0001~)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

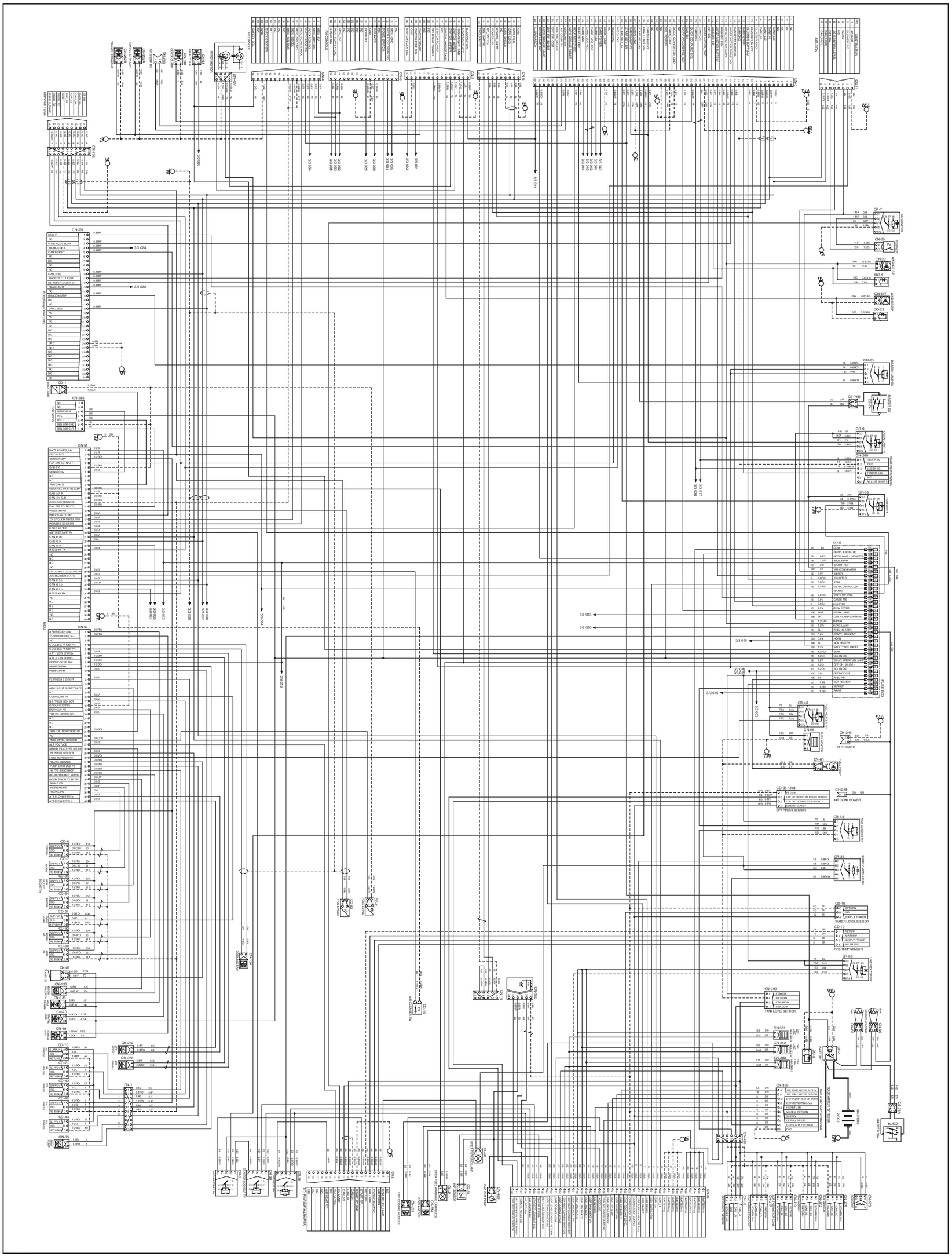
NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

NO.	DESTINATION
1	NC
2	NC
3	ROOM LAMP 24V
4	SPEAKER RH-
5	SPEAKER RH+
6	SPEAKER LH-
7	SPEAKER LH+
8	GND
9	GND
10	BEACON LAMP
11	CABIN LIGHT
12	CABIN LIGHT

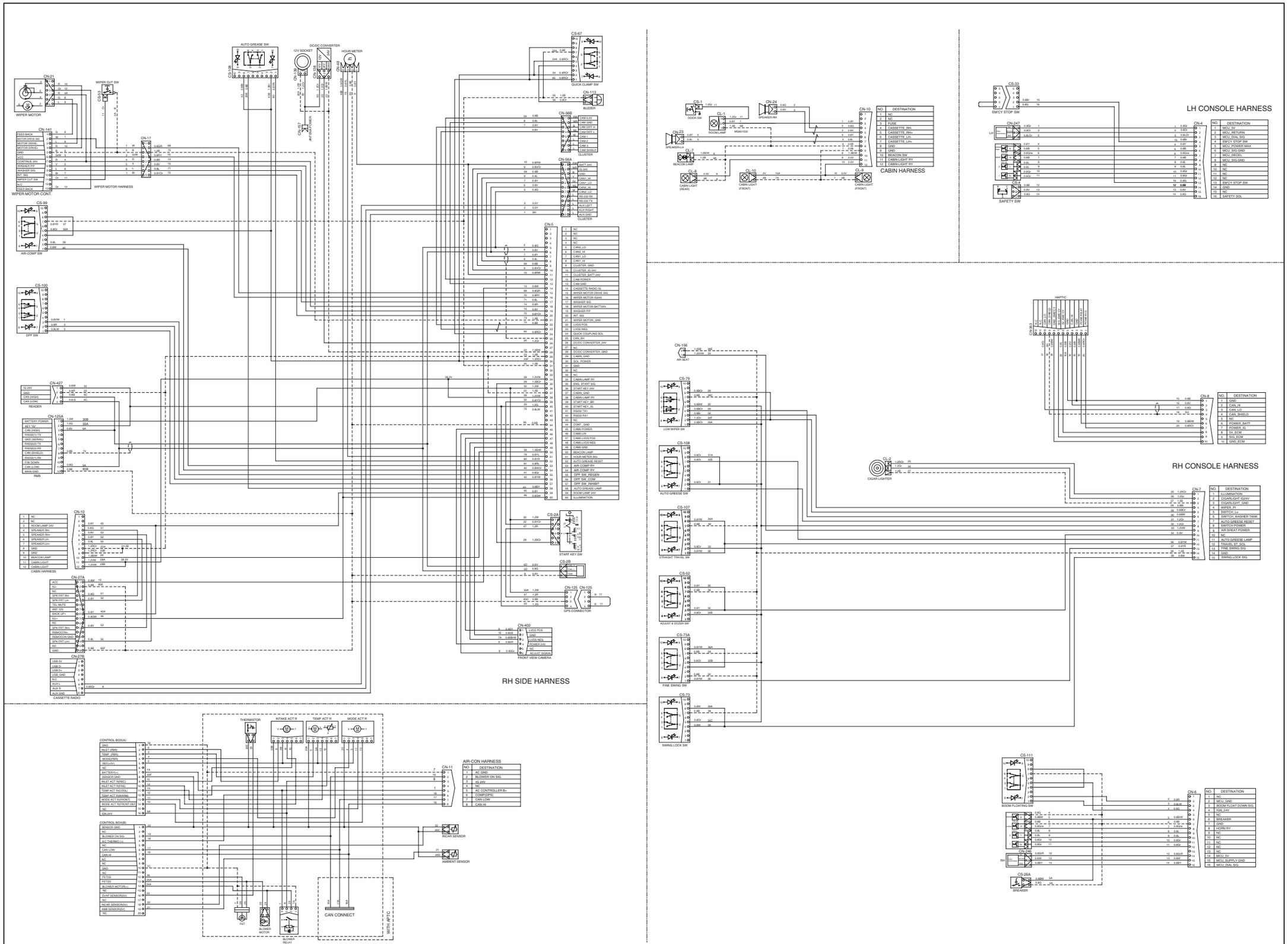
NO.	DESTINATION
1	MCU_RX
2	MCU_TX
3	MCU_GND
4	GND
5	FUSE
6	NC
7	NC
8	NC
9	P_DUMP(MCU)
10	QUICK COUPLING SOL
11	OVERLOAD PS
12	MCU_OVERLOAD
13	HEAD LAMP RY
14	MCU_HOURMETER
15	RS232_RX(MCU)
16	RS232_TX(MCU)
17	GND
18	FUSE
19	WASHER P/P
20	CAN_Hi
21	CAN_Lo
22	Shield
23	NC
24	WIPER FUSE
25	FUSE
26	GND
27	FUSE
28	FUSE
29	FUSE
30	GND
31	GND
32	NC
33	FUSE
34	CABIN LAMP RY
35	ANTI RESTART RY
36	FUSE
37	NC
38	CABIN LAMP RY
39	NC
40	NC
41	NC
42	NC
43	NC
44	NC
45	NC
46	FUSE
47	FUSE
48	GND
49	HEAD LAMP RY
50	WORK LAMP RY
51	NC
52	NC
53	BREAKER SW(JOYSTICK)
54	PRE-HEAT
55	CABIN LAMP RY
56	MCU_TRAVEL ALARM SW
57	FUSE
58	GND
59	POWER RY
60	BATT. RY

■ HX380 L(#0001~)
■ HX430 L(#0001~)



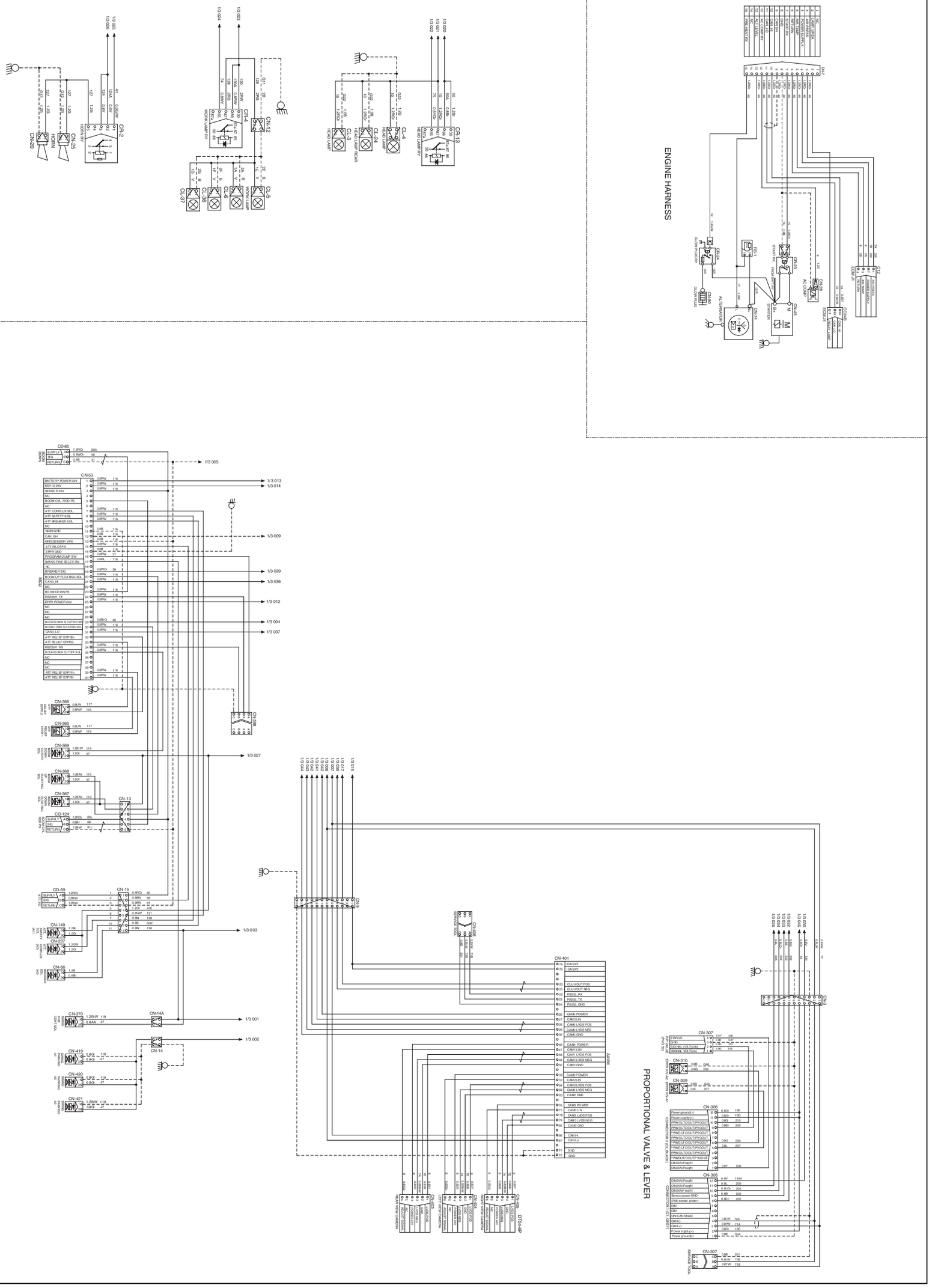
20KA-10202(1/3)

- HX380 L(#0001~)
- HX430 L(#0001~)



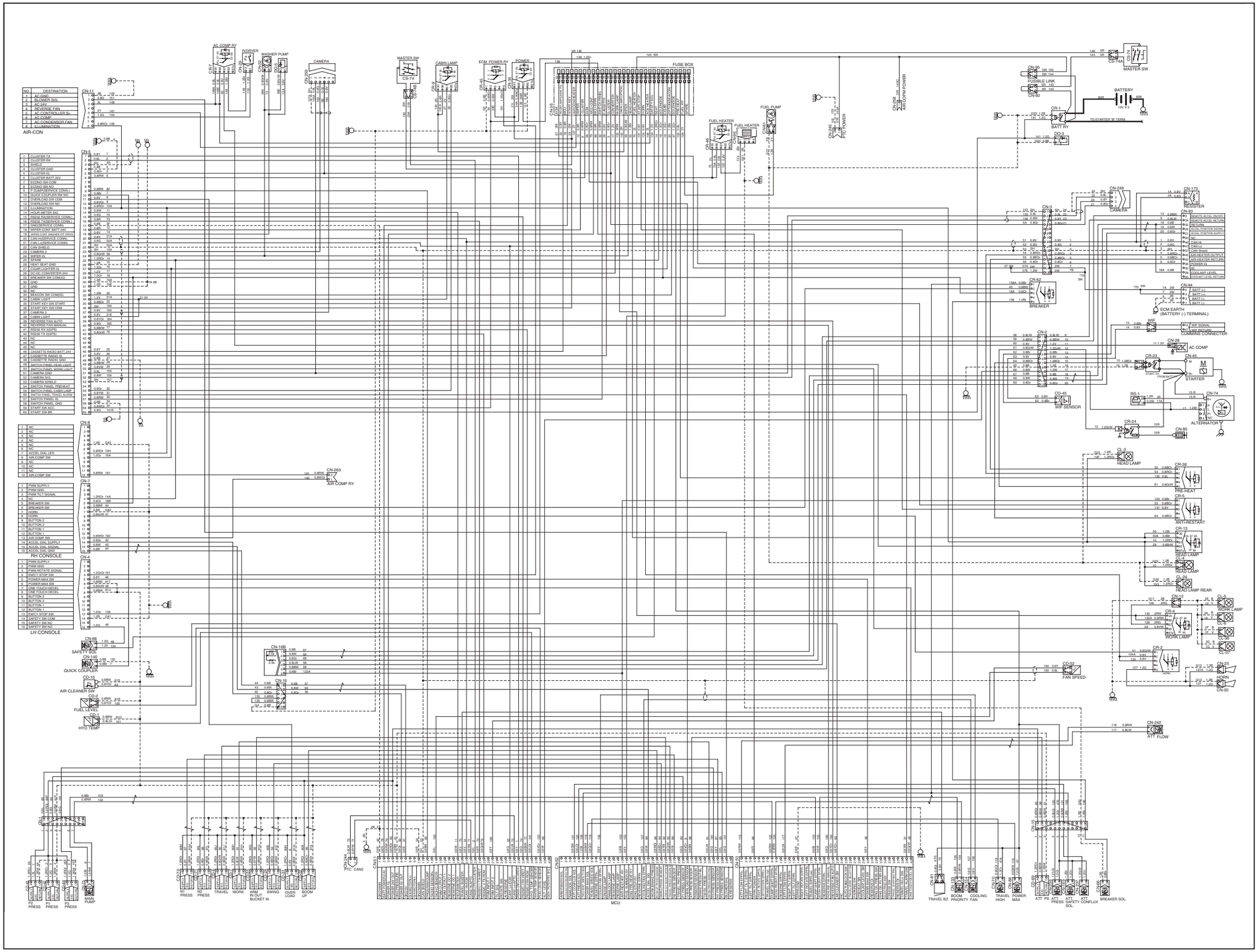
20KA-10203(2/3)

■ HX380 L(#0001~)
■ HX430 L(#0001~)



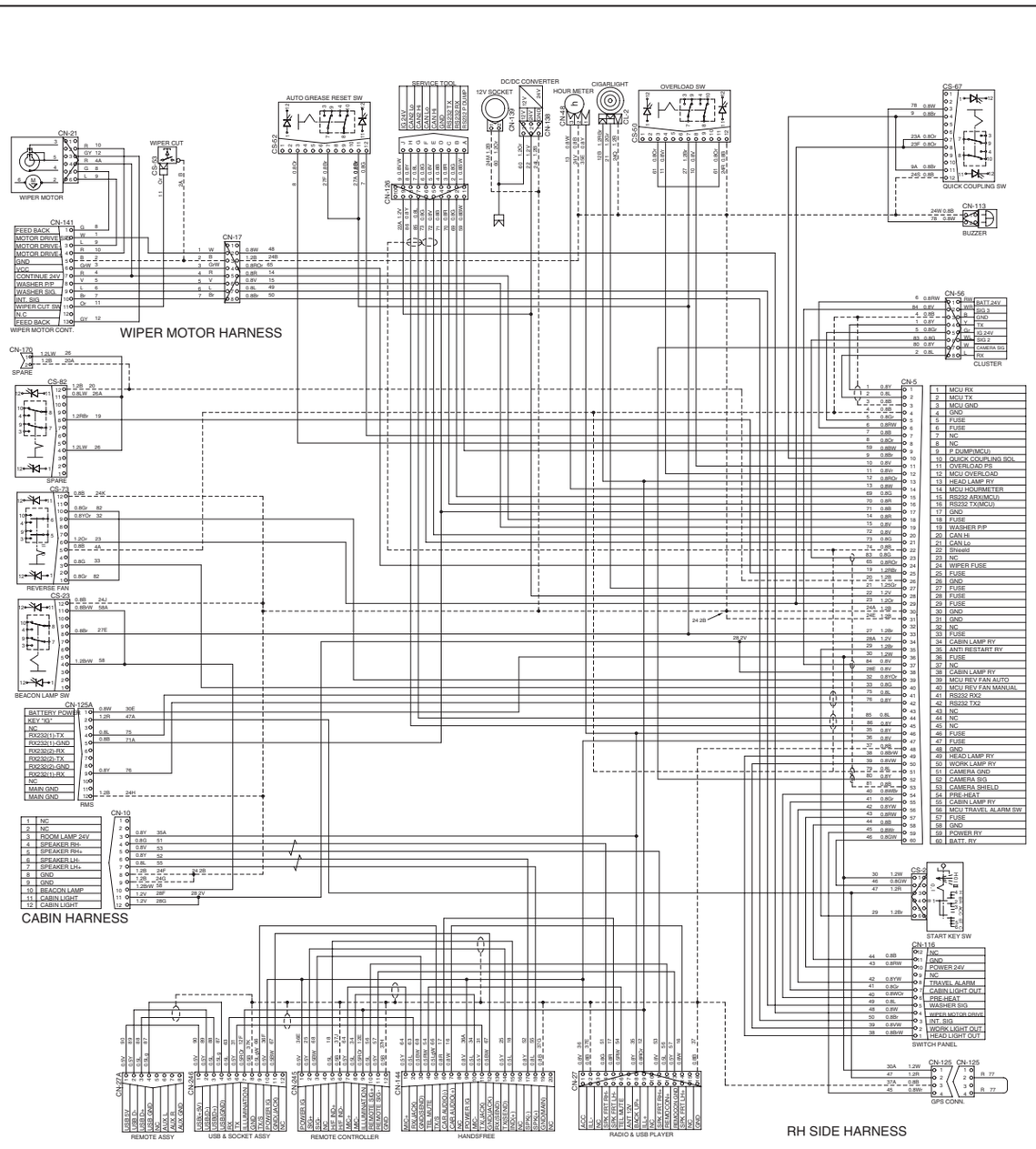
20KA-10203(3/3)

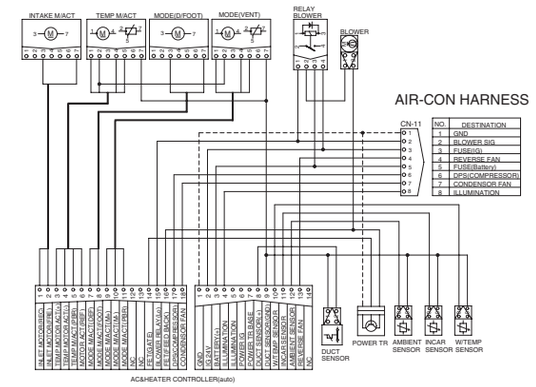
- R430LC-9(#0001~)
- R430LC-9A(#0001~)

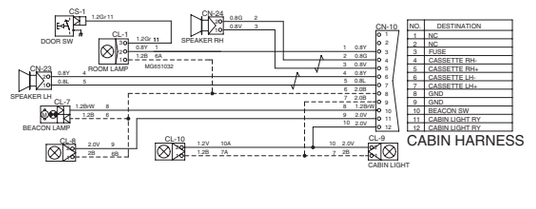


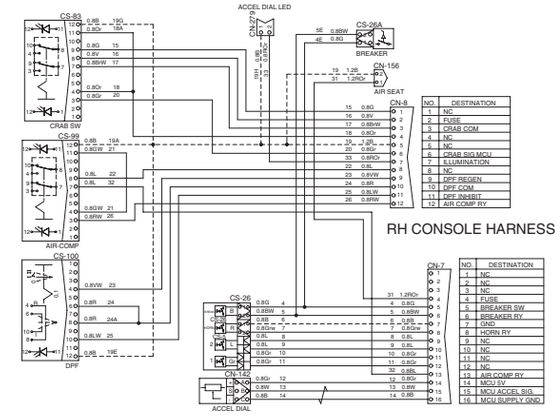
20QA-07500(1/2)

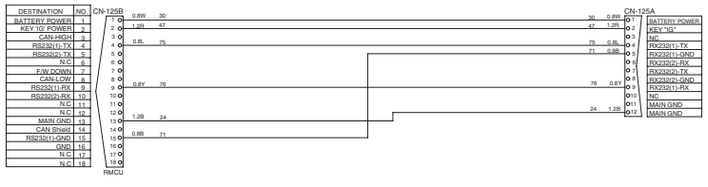
■ R430LC-9(#0001~)
■ R430LC-9A(#0001~)

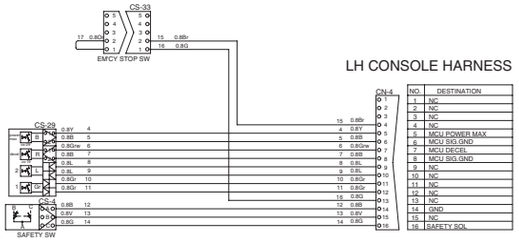






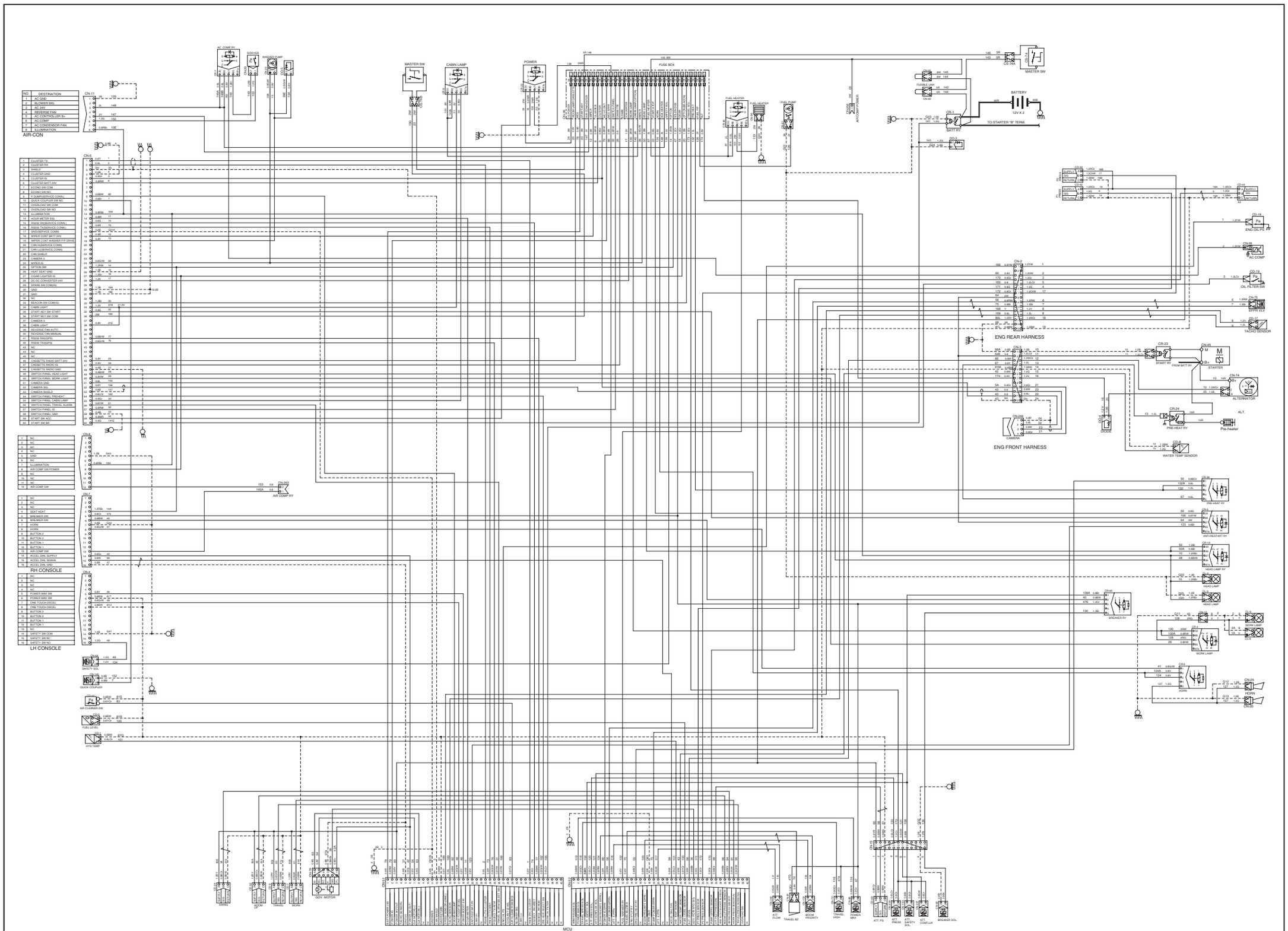






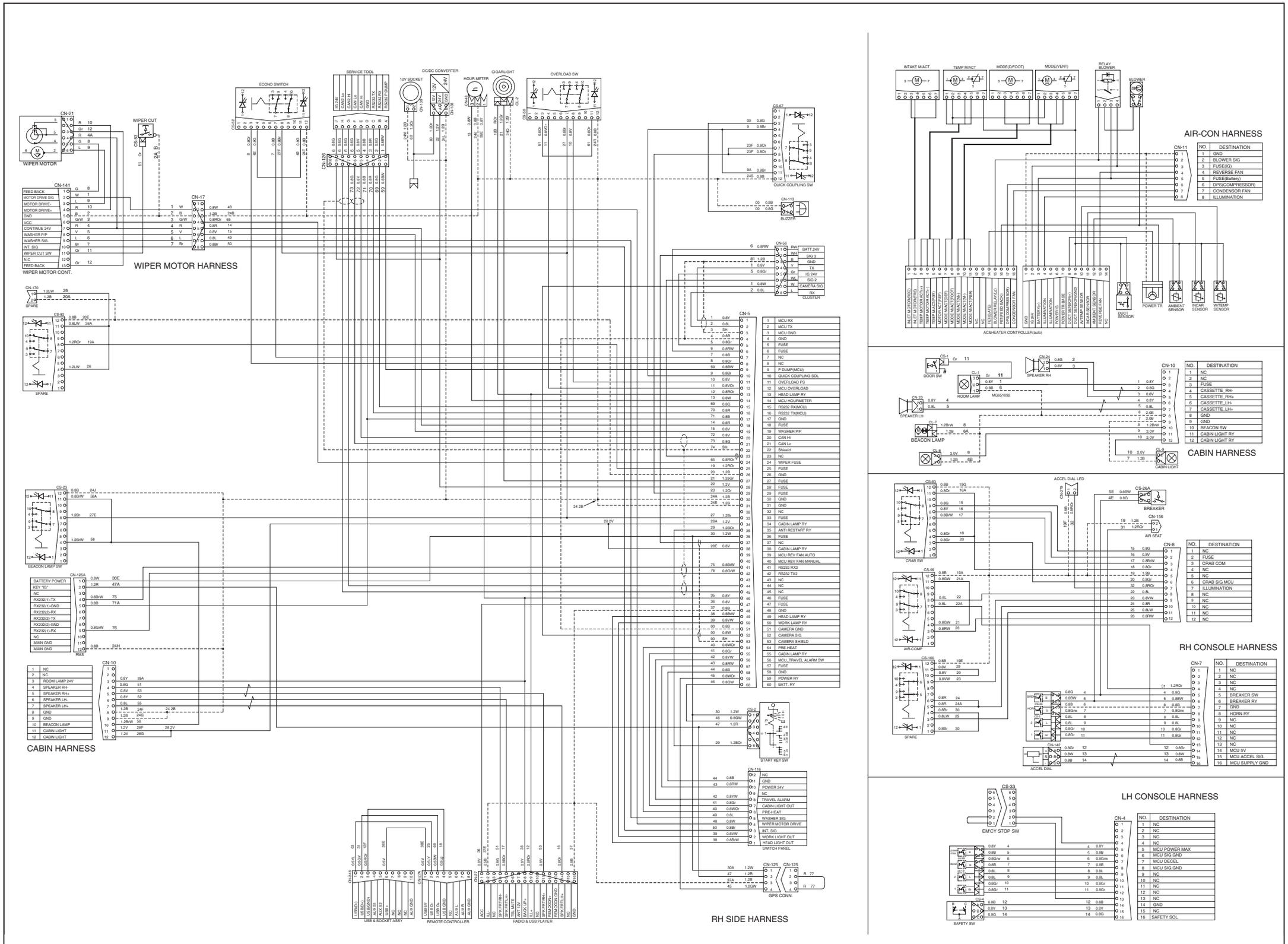
20QA-07500(2/2)

R430LC-9SH(#0001~)



20QA-07600(1/2)

■ R430LC-9SH(#0001~)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPSI(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

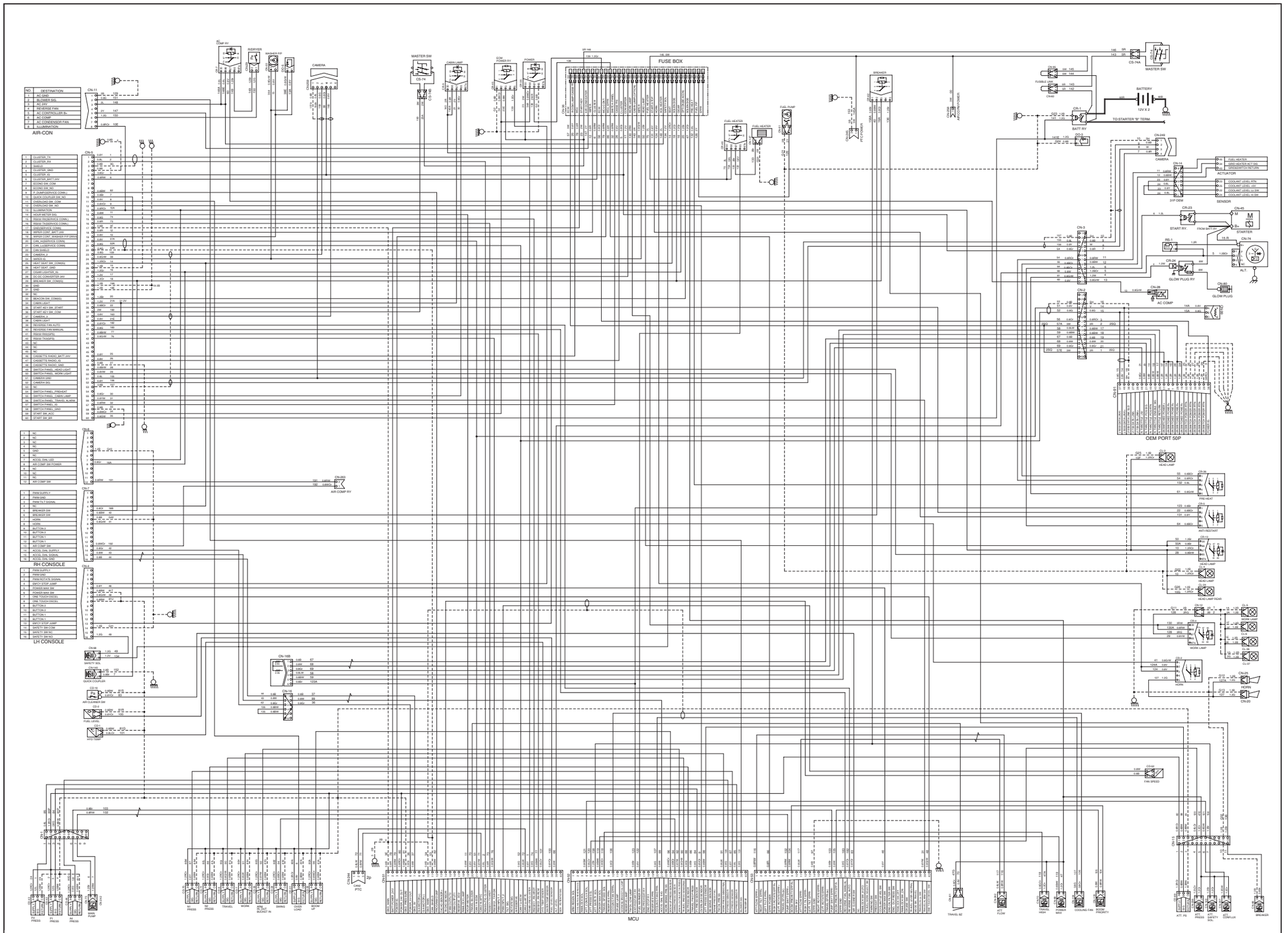
NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU 5V
15	MCU ACCEL SIG.
16	MCU SUPPLY GND

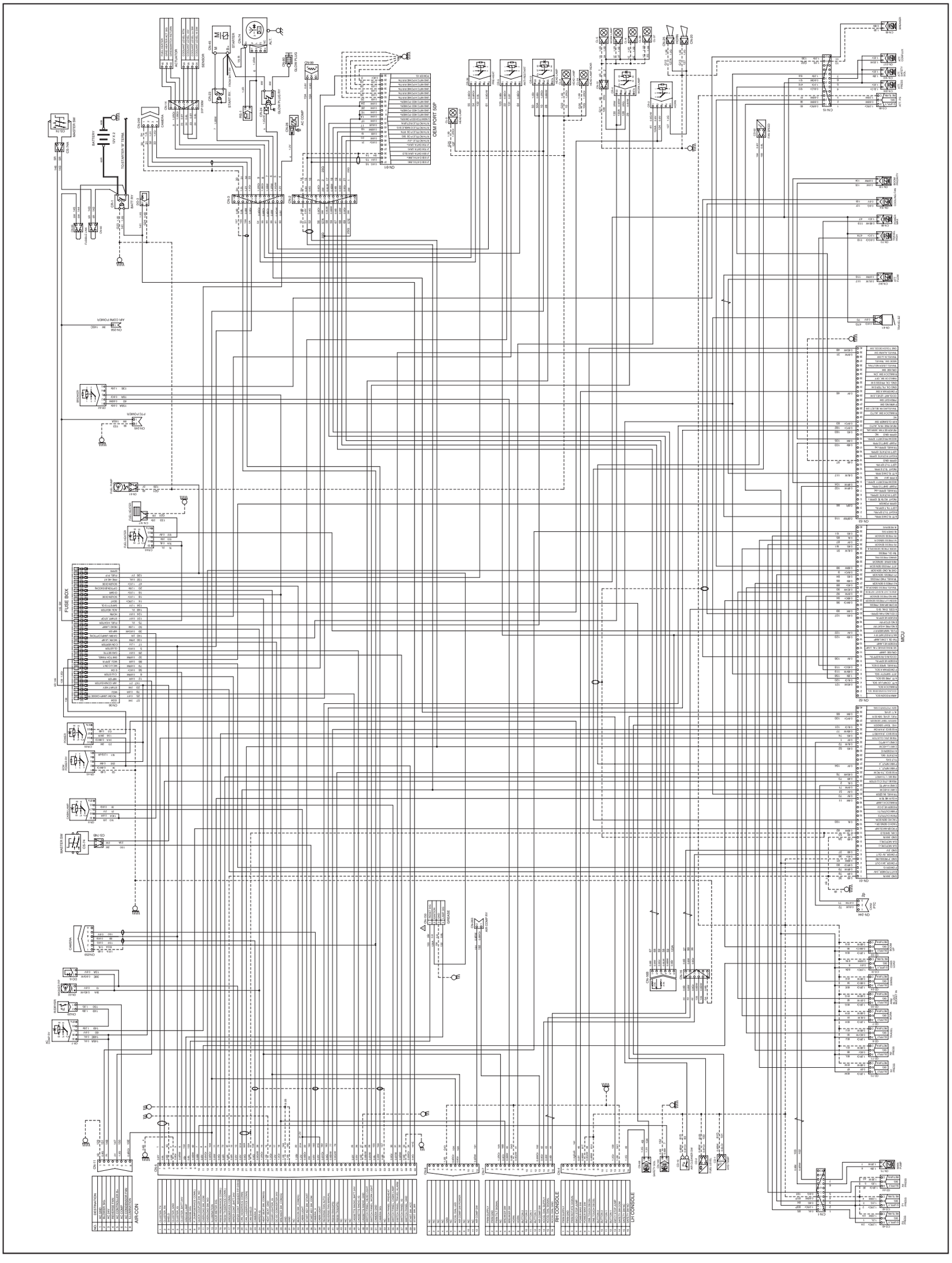
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	NC
5	MCU POWER MAX
6	MCU SIG.GND
7	MCU DECEL
8	MCU SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

20QA-07600(2/2)

R480/R520LC-9(OLD)

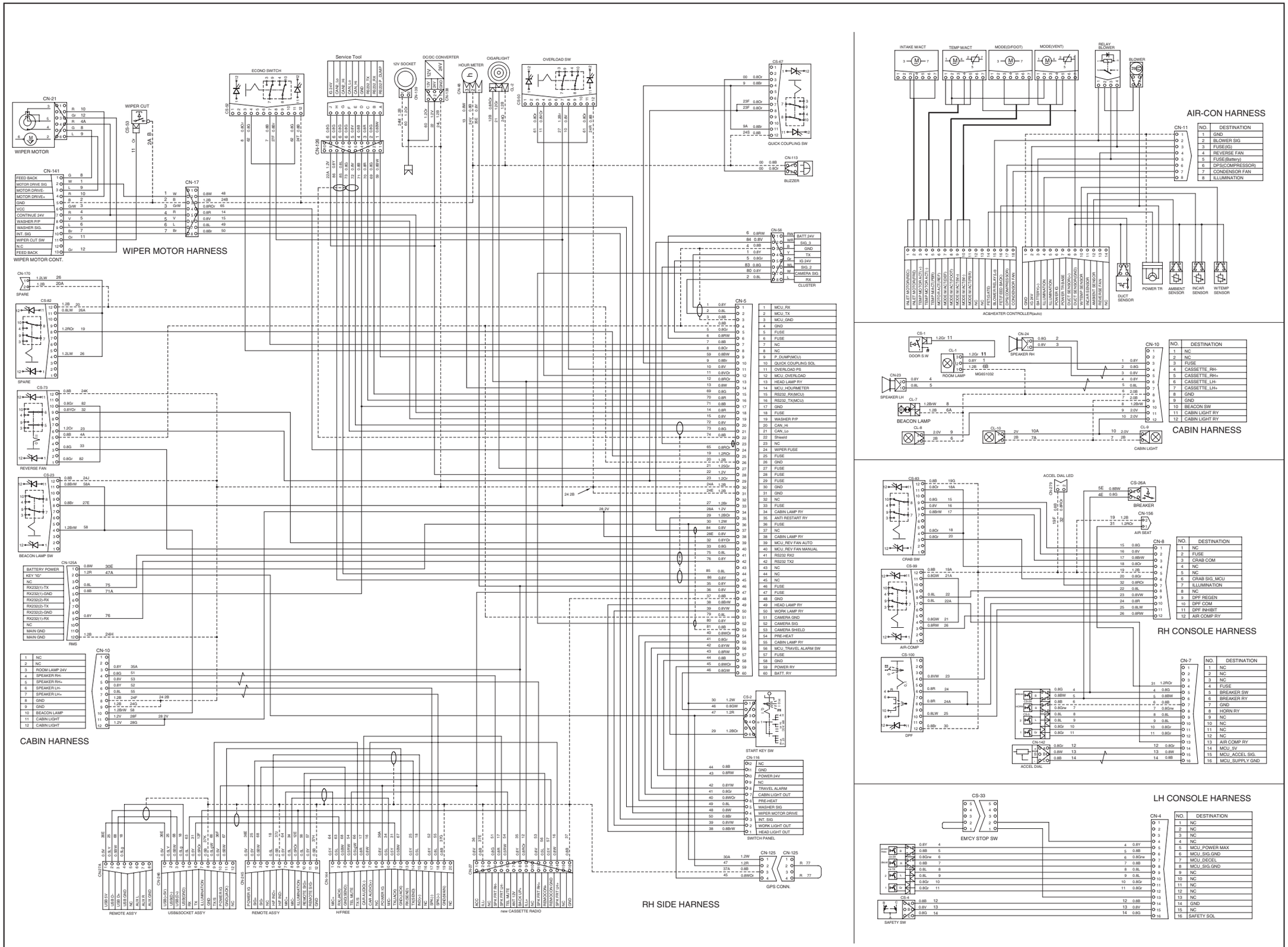


20QB-07104(1/2)

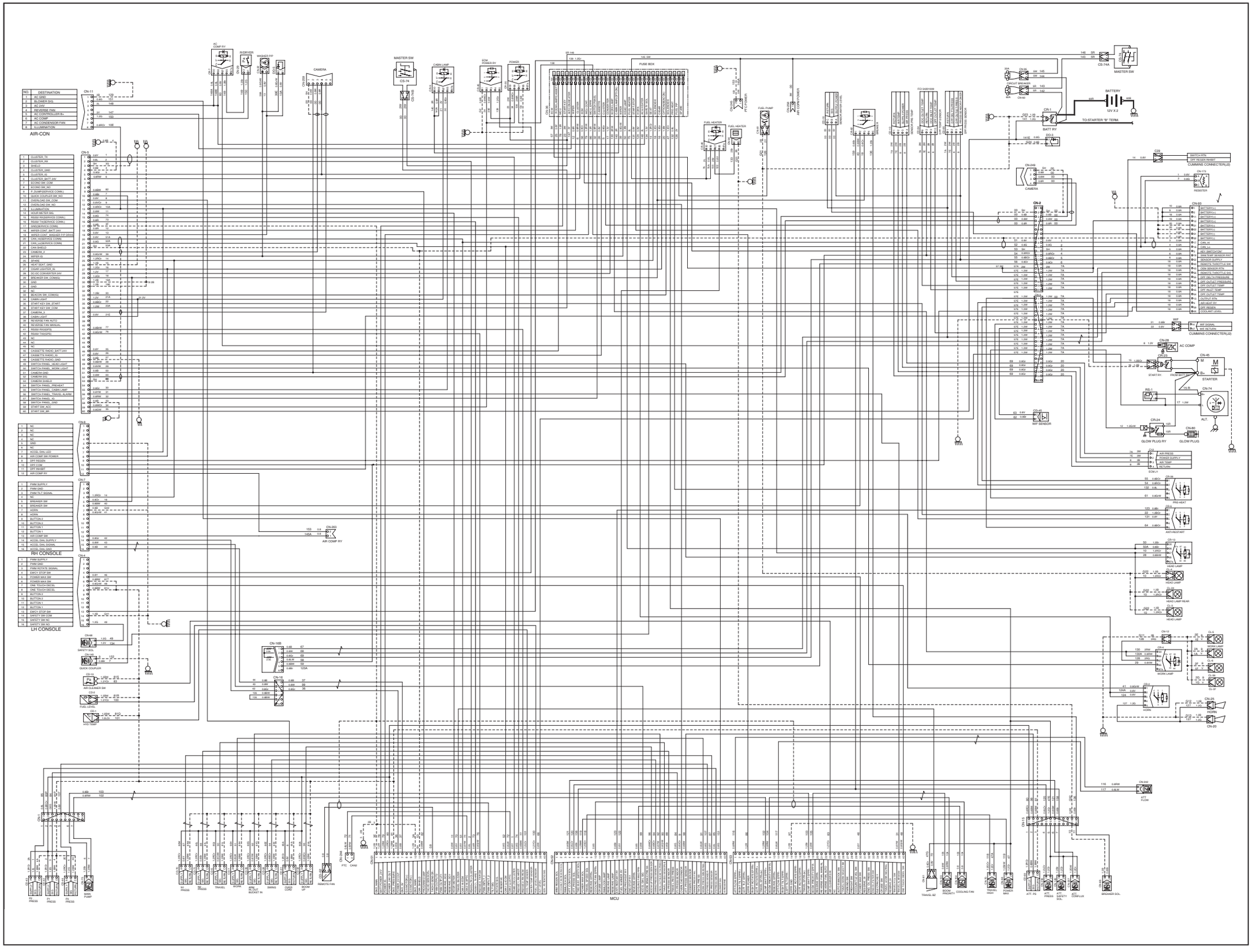


■ R480/R520LC-9(CURRENT)

R480/R520LC-9(#0001~)

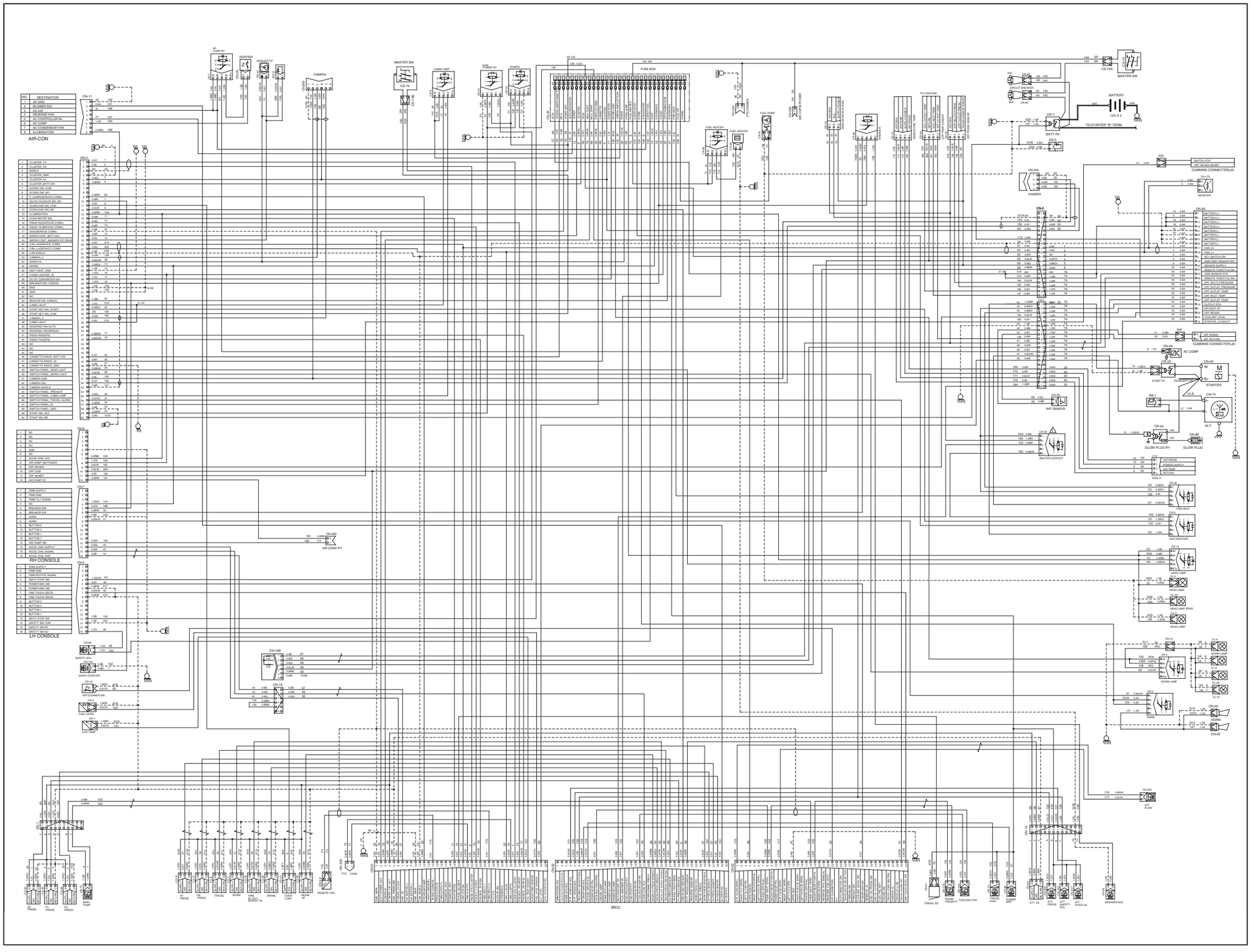


20QB-07104(2/2)

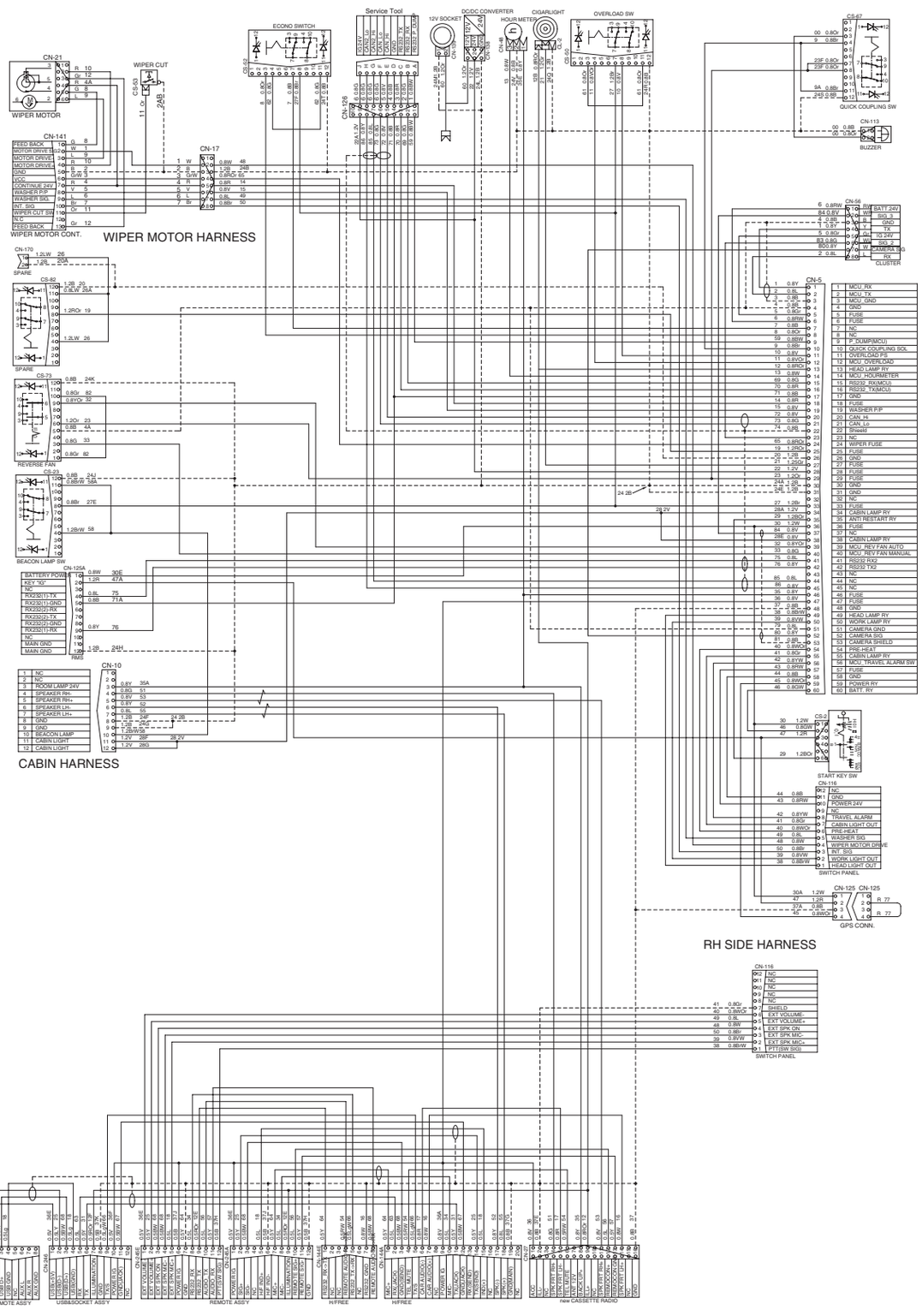


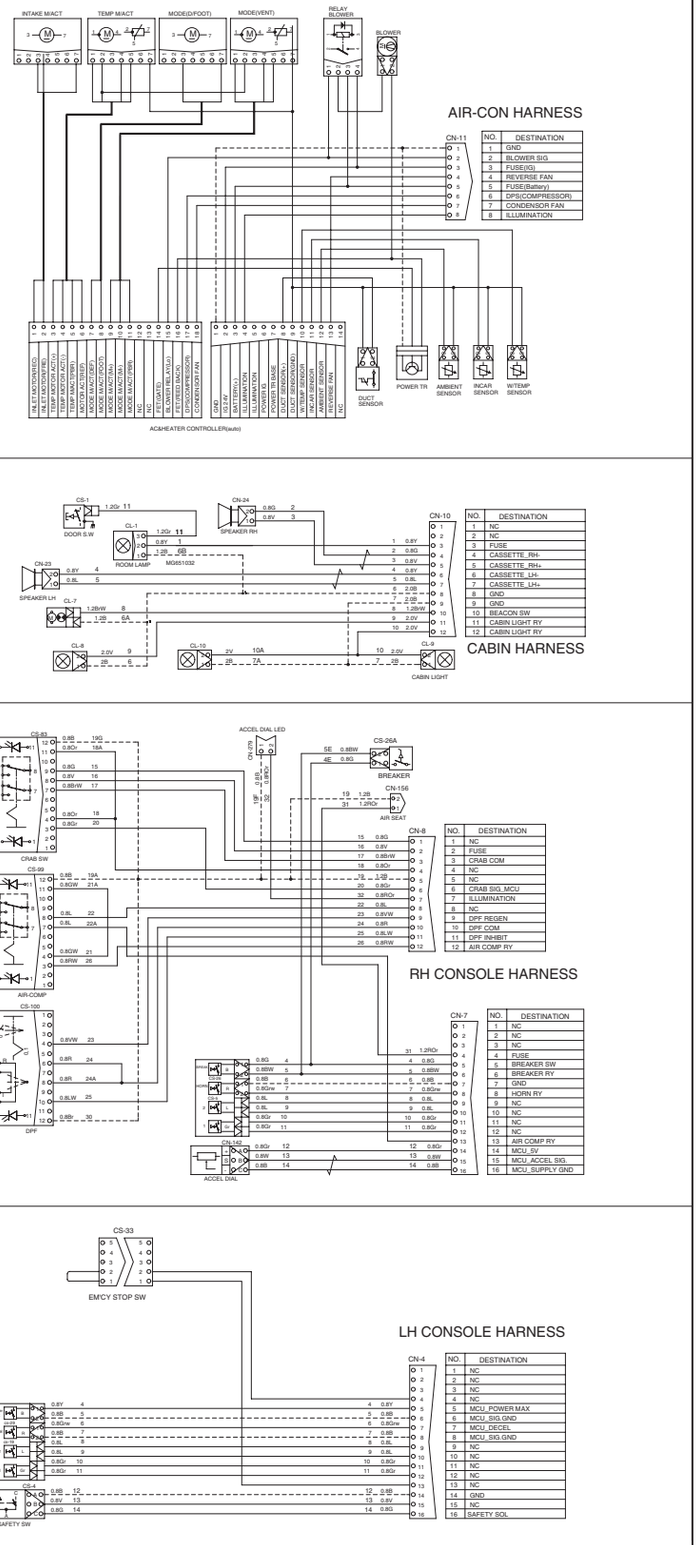
20QB-09101(1/2)

R480/R520LC-9A(CURRENT)



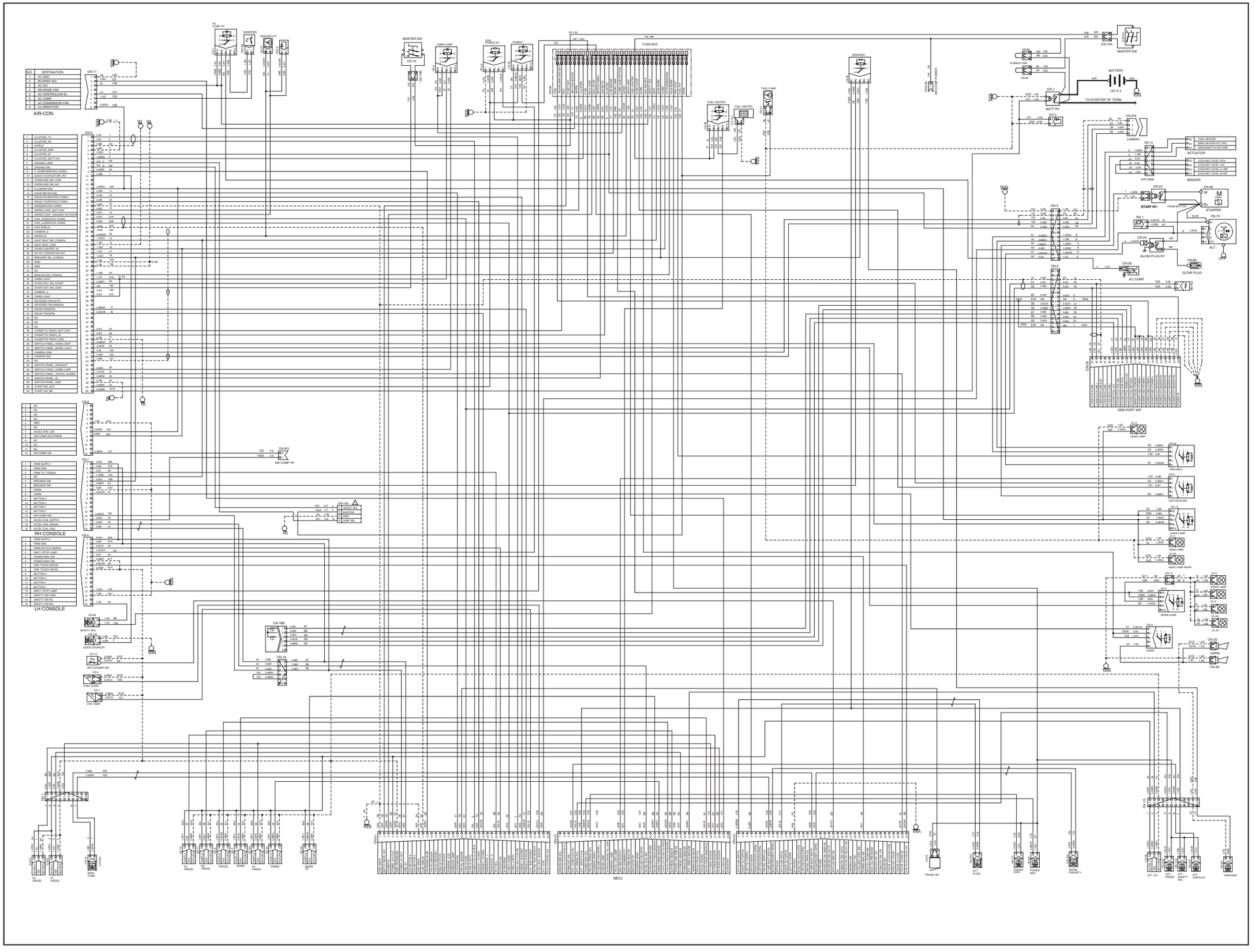
20QB-09102(1/2)



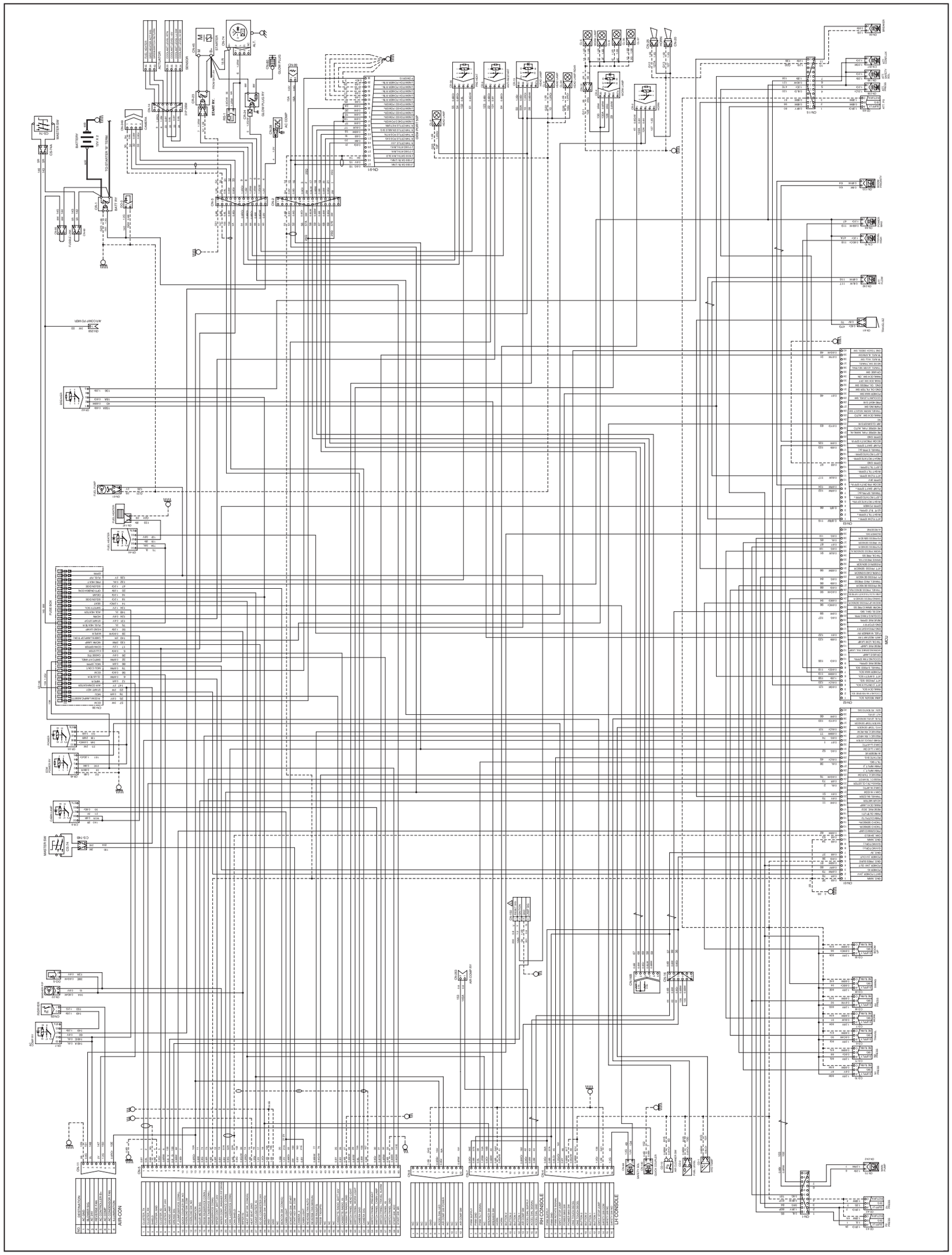


20QB-09101(2/2)

R480/R520LC-9S(Cluster type 1, OLD)

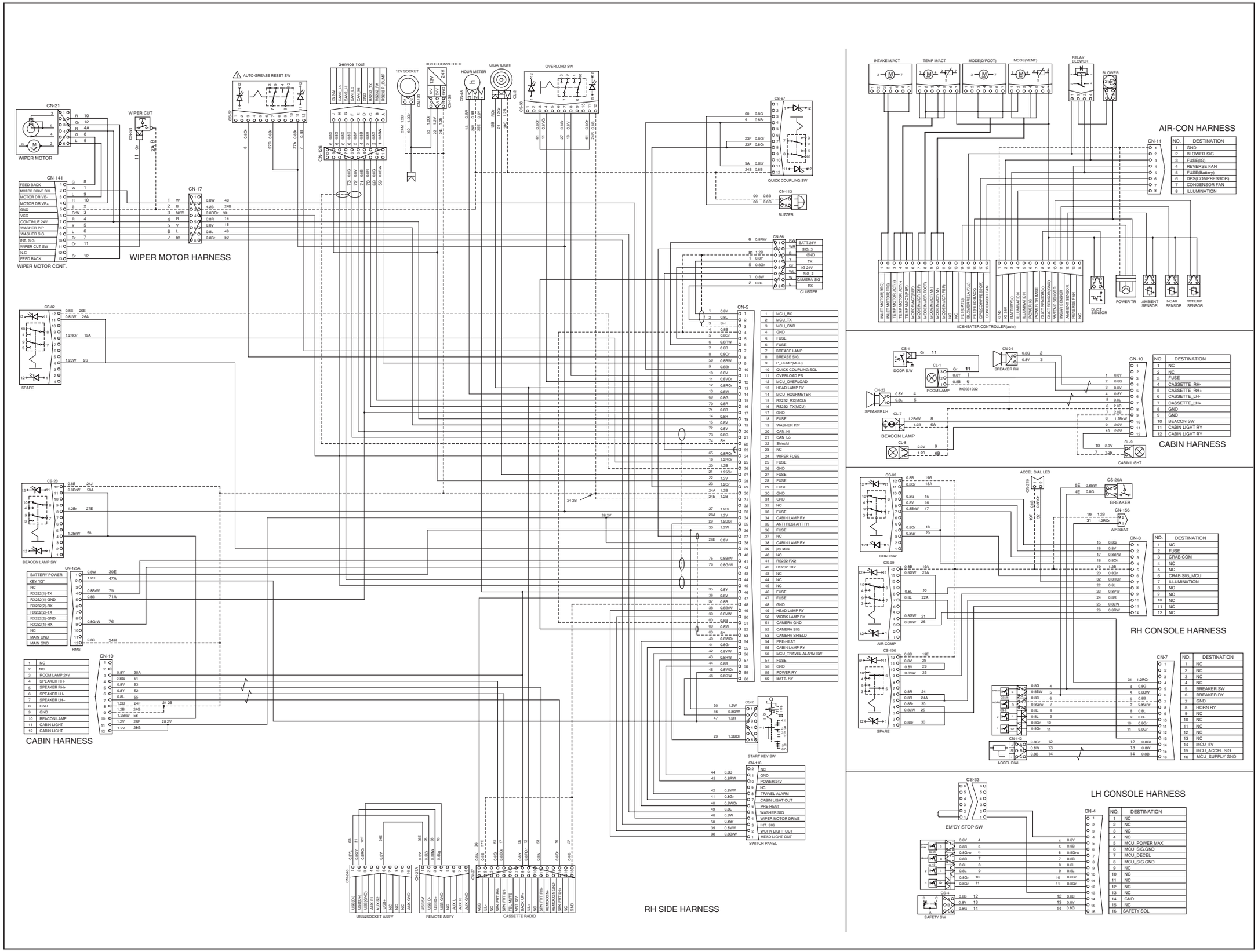


20QB-17102(1/2)

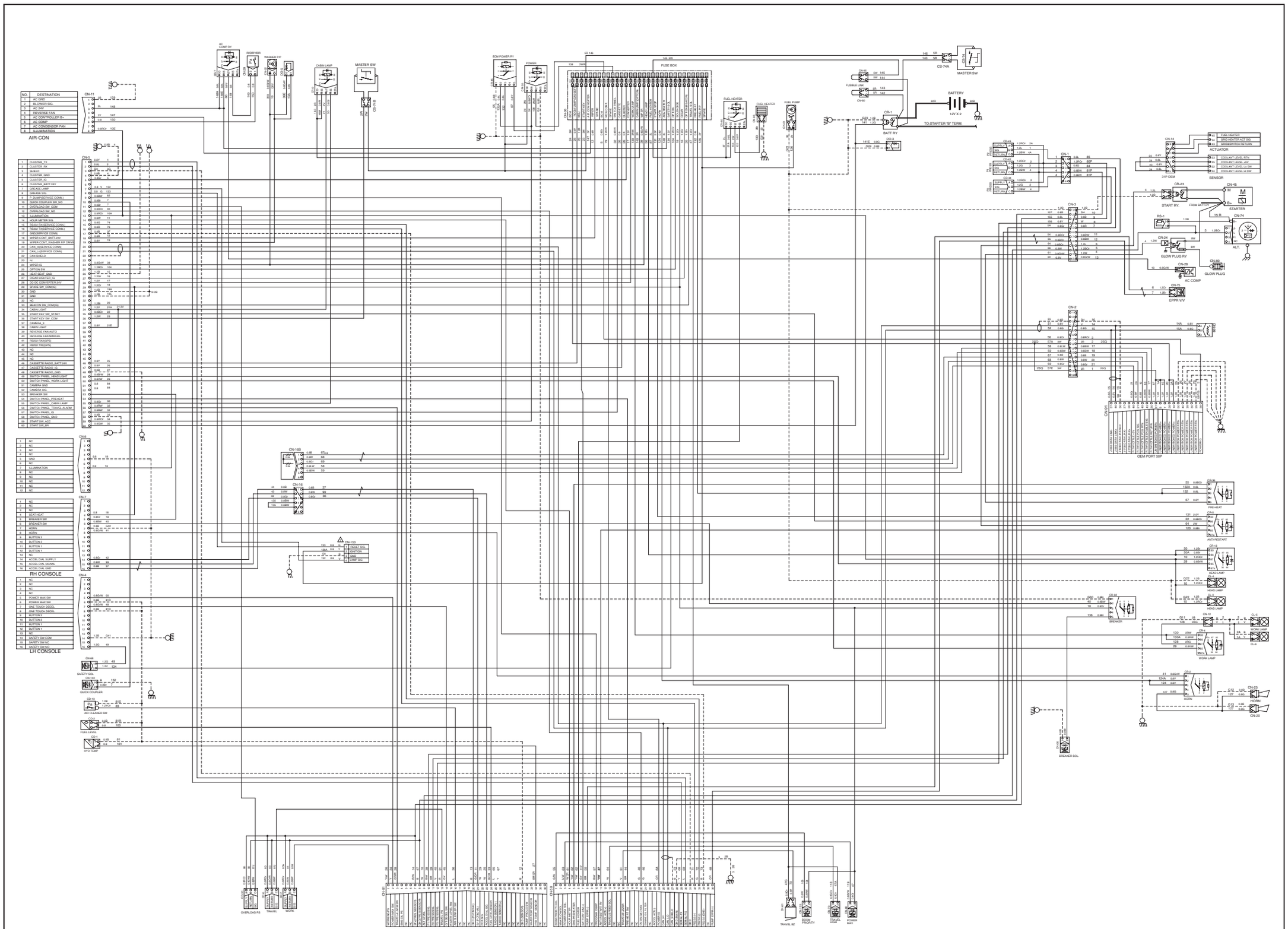


■ R480/R520LC-9S(Cluster type 1, CURRENT)

R480/R520LC-9S(Cluster type 1, #0001~)

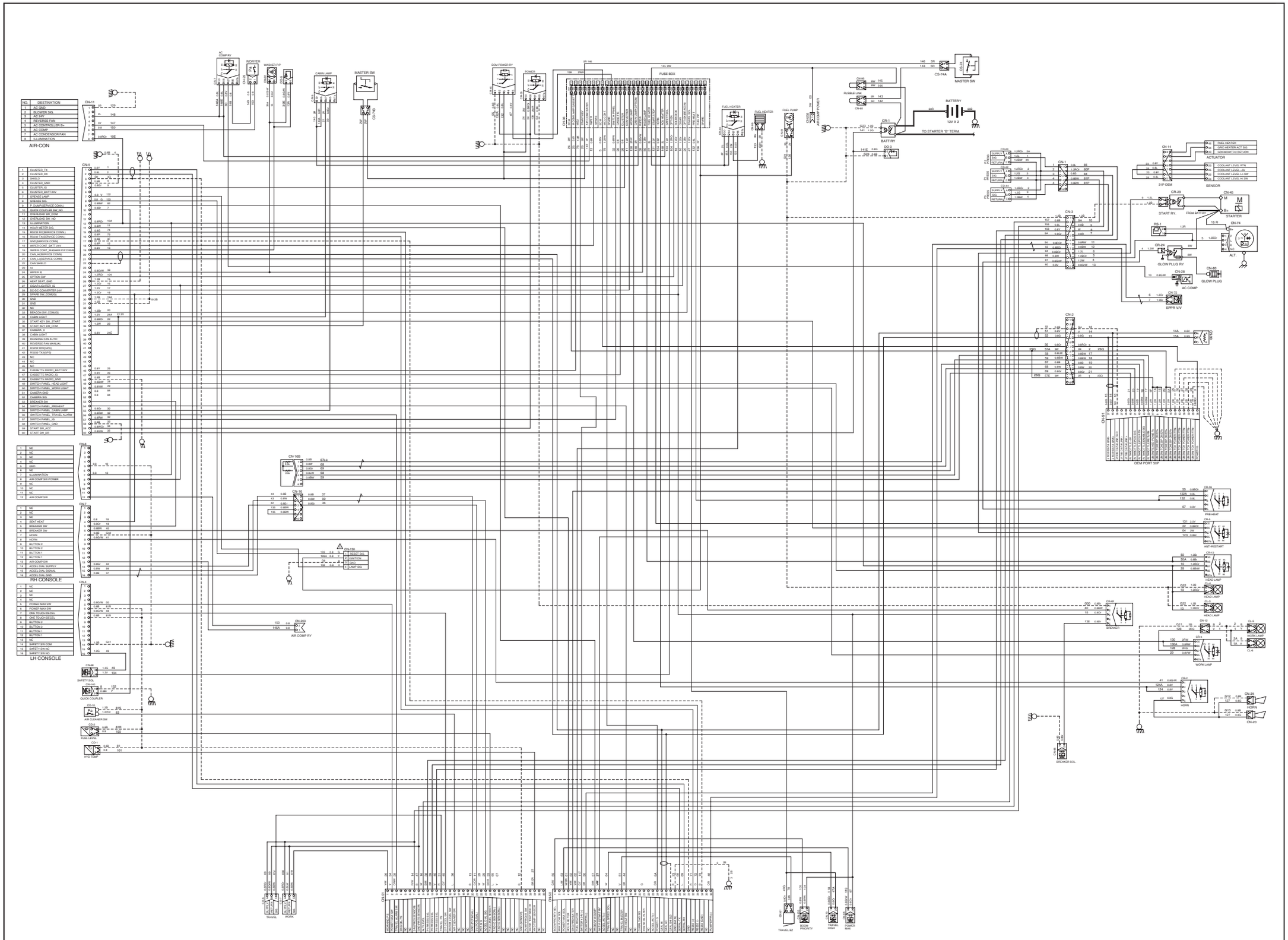


20QB-17101(2/2)

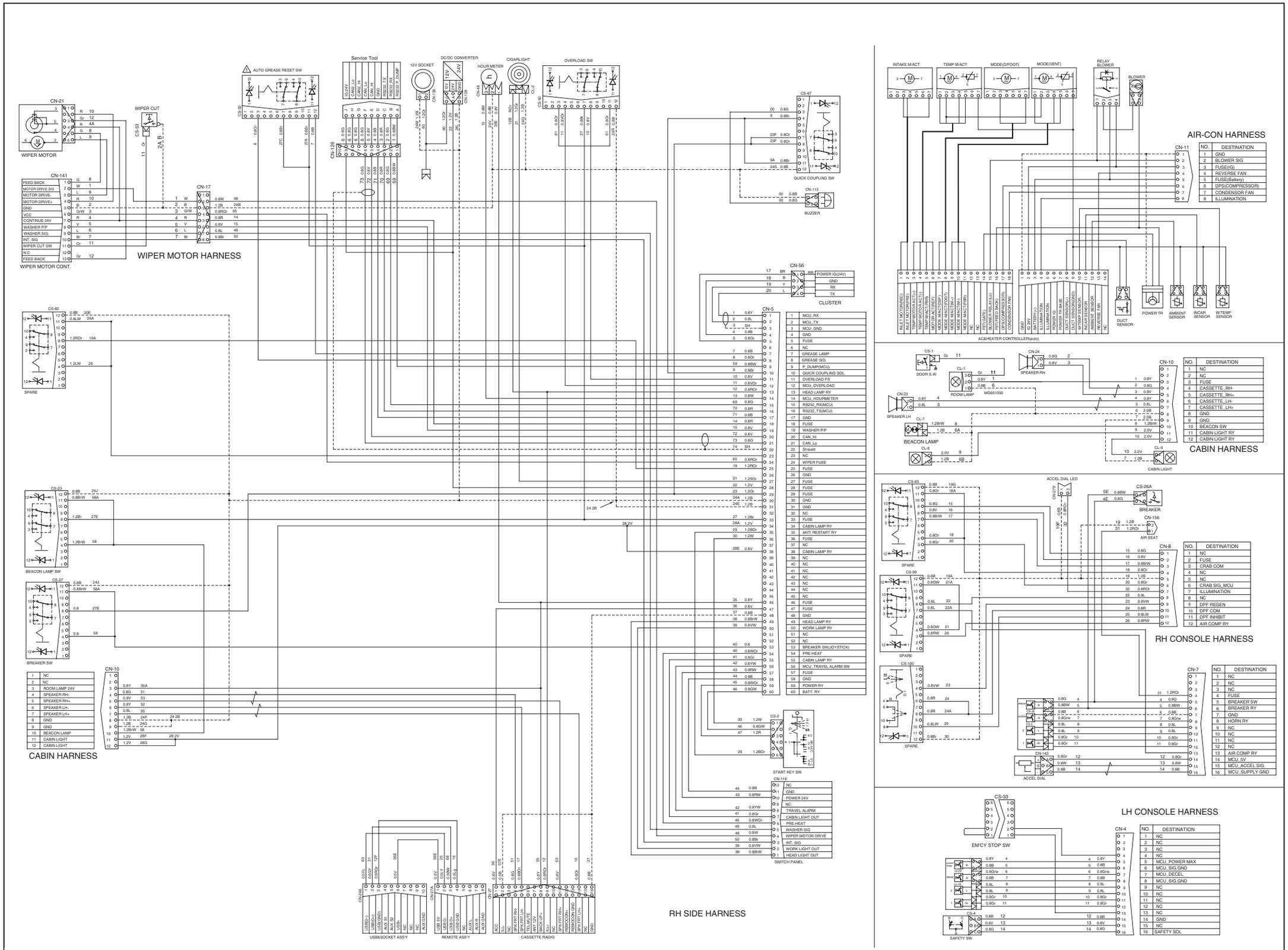


20QB-16201(1/2)

R480/R520LC-9S(Cluster type 2, CURRENT)



20QB-16202(1/2)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

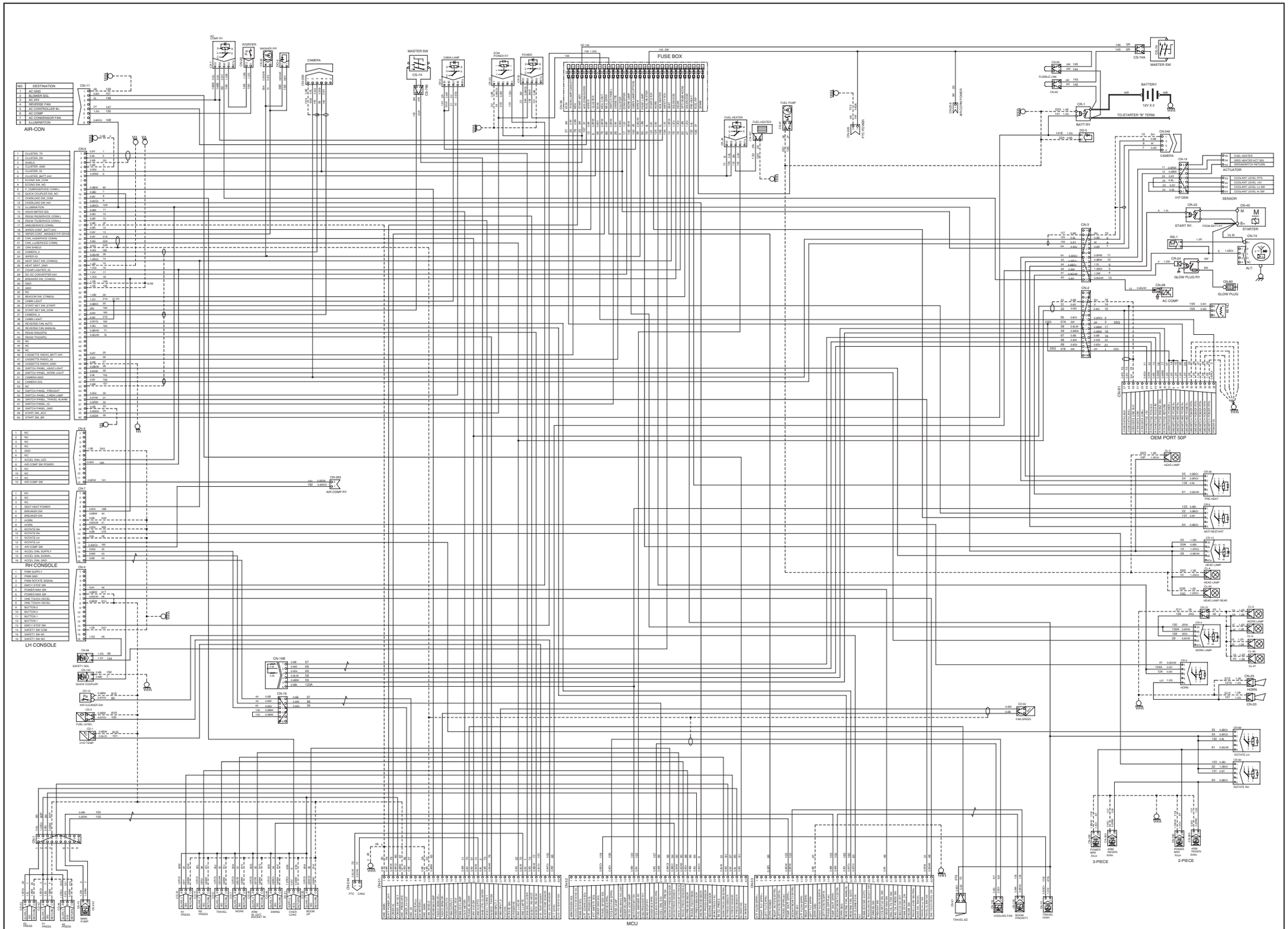
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

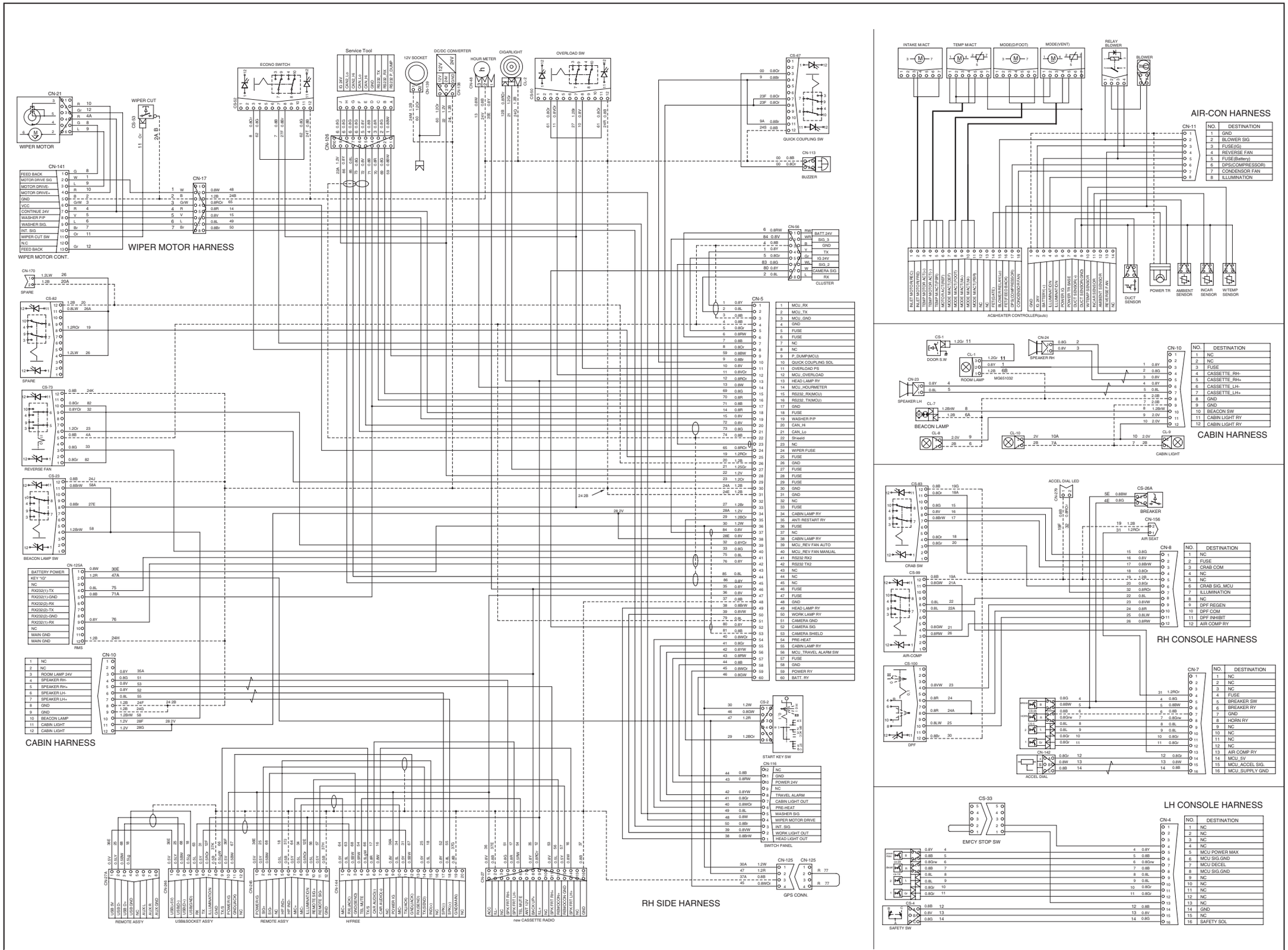
NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R480LC-9MH(#0001~)


AIR-CON
RH CONSOLE
LH CONSOLE
FUSE BOX
MASTER SW
CABIN LAMP
ECM POWER RY
POWER
FUEL HEATER
FUEL PUMP
BATTERY
12V X 2
TO:STARTER "B" TERM.
BATT RY
CAMERA
ACTUATOR
SENSOR
START RY.
STARTER
ALT.
GLOW PLUG RY
GLOW PLUG
AC COMP
OEM PORT 50P
HEAD LAMP
PRE-HEAT
ANTI-RESTART
HEAD LAMP
HEAD LAMP
HEAD LAMP REAR
WORK LAMP
WORK LAMP
CL-97
HORN
HORN
ROTATE LH
ROTATE RH
3-PIECE
2-PIECE
AIR COMP RY
SAFETY SOL
QUICK COUPLER
WIPER-LOWER SW
FUEL LEVEL
HYD TEMP
FAN SPEED
PTO POWER
MCU
TRAVEL ALT
COOLING FAN
BOOM PRIORITY
TRAVEL HIGH
PTO
GND
SPARE
SAFETY SW
SPARE
WIPER
HORN
WORK
TRAVEL
SWING
BOOM UP
ARM IN, OUT
BUCKET IN
BUCKET OUT
BOOM DOWN
ARM OUT
SWING
TRAVEL
WORK
HORN
SPARE
SAFETY SW
SPARE
WIPER



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

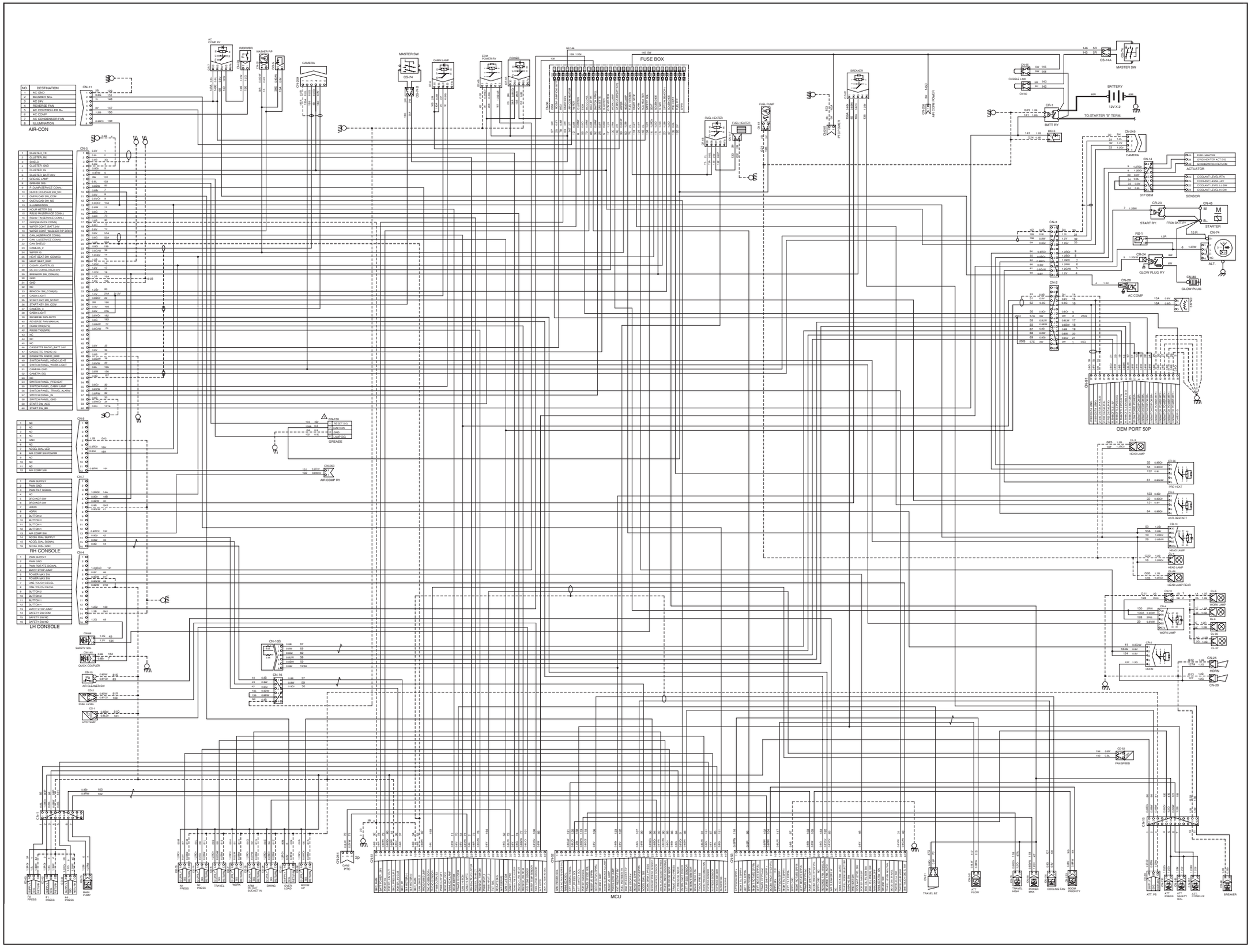
NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

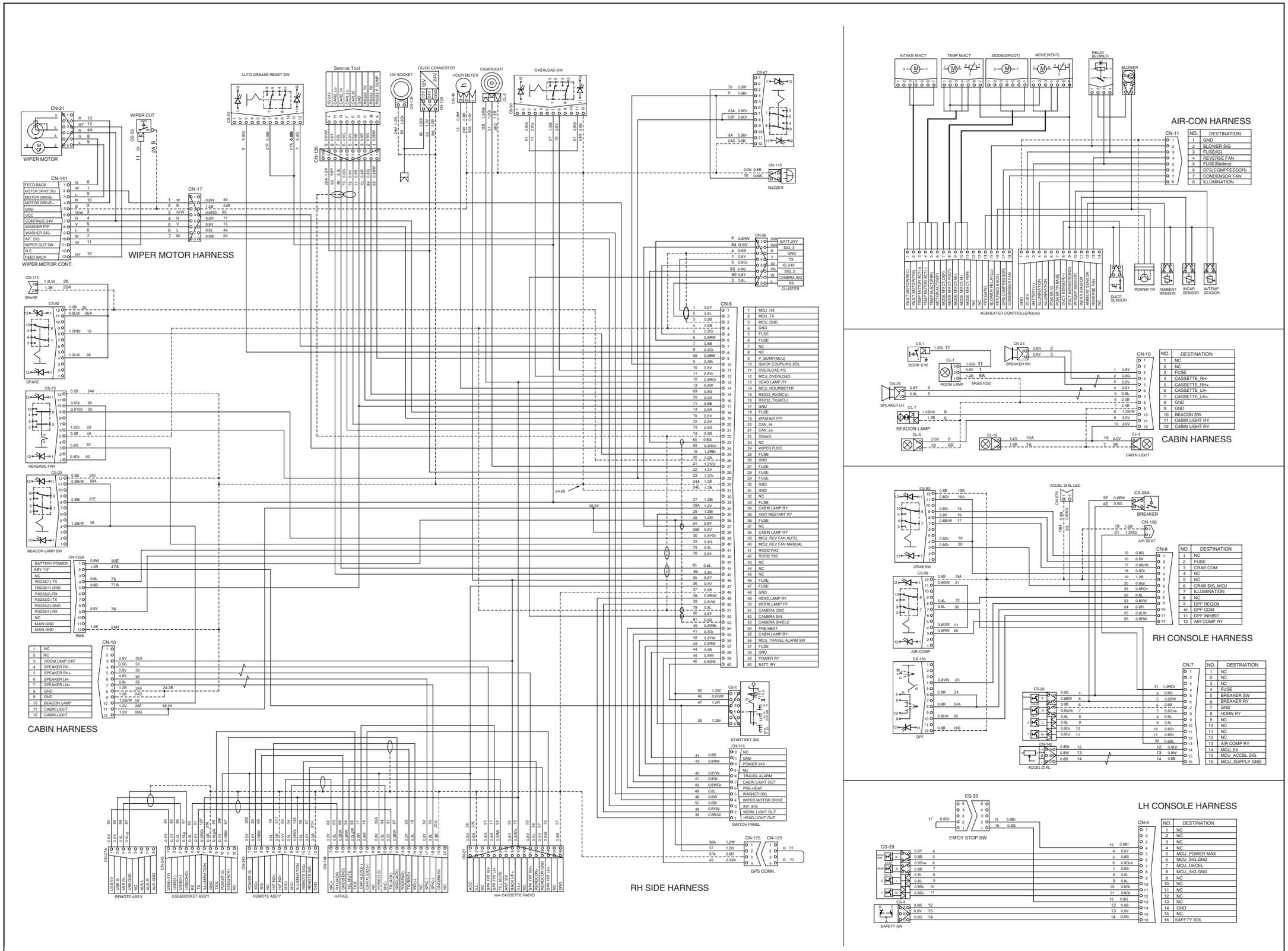
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU POWER MAX
6	MCU SIG.GND
7	MCU DECEL
8	MCU SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R520LC-9DM(#0001~)



20QB-07105(1/2)



CN-11	NO.	DESTINATION
	1	GND
	2	BLOWER SIG
	3	FUSE(IG)
	4	REVERSE FAN
	5	FUSE(Battery)
	6	DPS(COMPRESSOR)
	7	CONDENSOR FAN
	8	ILLUMINATION

CN-5		
	1	MCU_RX
	2	MCU_TX
	3	MCU_GND
	4	GND
	5	FUSE
	6	FUSE
	7	NC
	8	NC
	9	P_DUMP(MCU)
	10	QUICK COUPLING SOL
	11	OVERLOAD P/S
	12	MCU_OVERLOAD
	13	HEAD LAMP RY
	14	MCU_HOURMETER
	15	RS232_RX(MCU)
	16	RS232_TX(MCU)
	17	GND
	18	FUSE
	19	WASHER P/P
	20	CAN_Hi
	21	CAN_Lo
	22	Shield
	23	NC
	24	WIPER FUSE
	25	FUSE
	26	GND
	27	FUSE
	28	FUSE
	29	FUSE
	30	GND
	31	GND
	32	NC
	33	FUSE
	34	CABIN LAMP RY
	35	ANTI RESTART RY
	36	FUSE
	37	NC
	38	CABIN LAMP RY
	39	MCU_REV FAN AUTO
	40	MCU_REV FAN MANUAL
	41	RS232 RX2
	42	RS232 TX2
	43	NC
	44	NC
	45	NC
	46	FUSE
	47	FUSE
	48	GND
	49	HEAD LAMP RY
	50	WORK LAMP RY
	51	CAMERA GND
	52	CAMERA SIG
	53	CAMERA SHIELD
	54	PRE-HEAT
	55	CABIN LAMP RY
	56	MCU_TRAVEL ALARM SW
	57	FUSE
	58	GND
	59	POWER RY
	60	BATT. RY

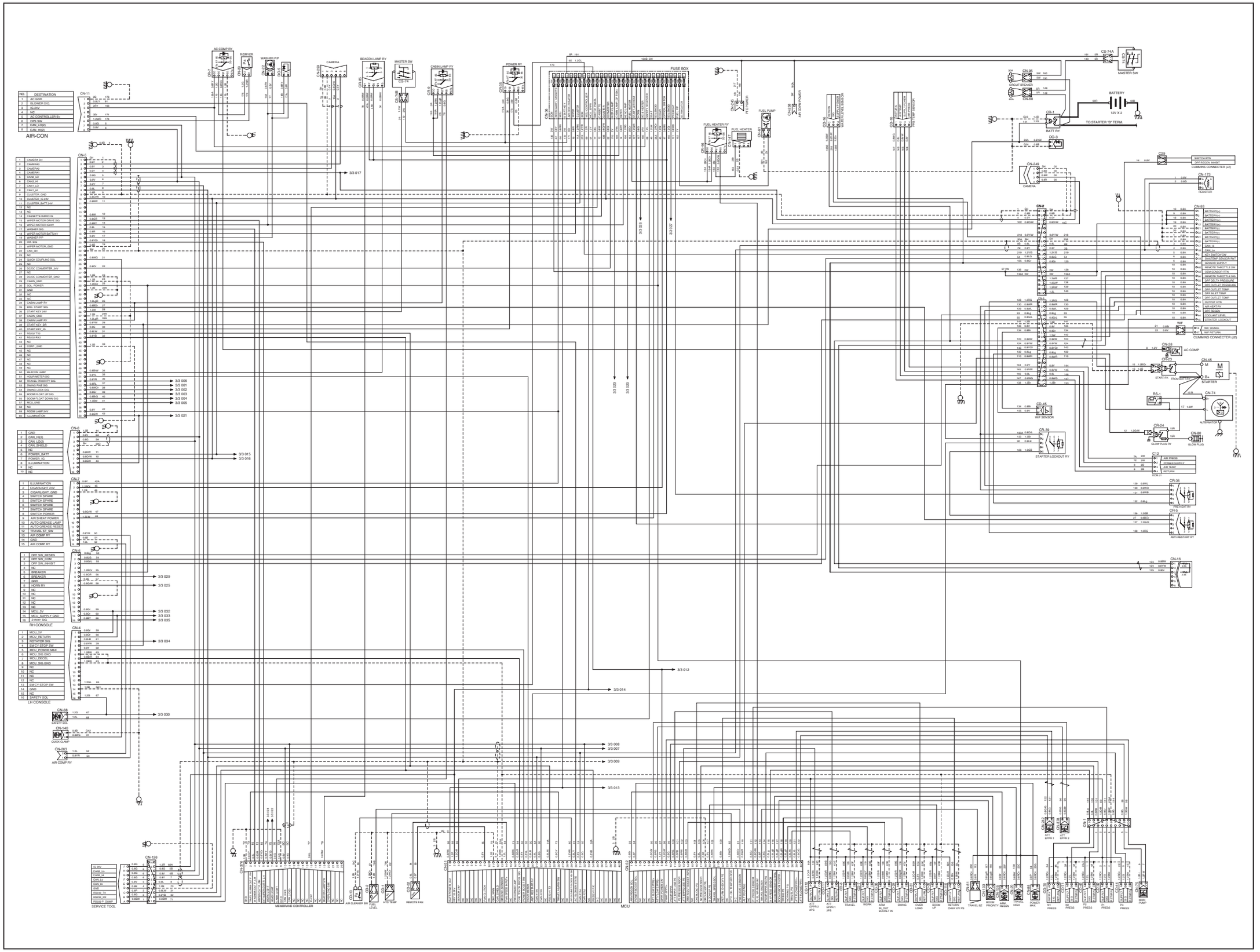
CN-10	NO.	DESTINATION
	1	NC
	2	NC
	3	FUSE
	4	CASSETTE_RH-
	5	CASSETTE_RH+
	6	CASSETTE_LH-
	7	CASSETTE_LH+
	8	GND
	9	GND
	10	BEACON SW
	11	CABIN LIGHT RY
	12	CABIN LIGHT RY

CN-8	NO.	DESTINATION
	1	NC
	2	FUSE
	3	CRAB COM
	4	NC
	5	NC
	6	CRAB SIG_MCU
	7	ILLUMINATION
	8	NC
	9	DPF REGEN
	10	DPF COM
	11	DPF INHIBIT
	12	AIR COMP RY

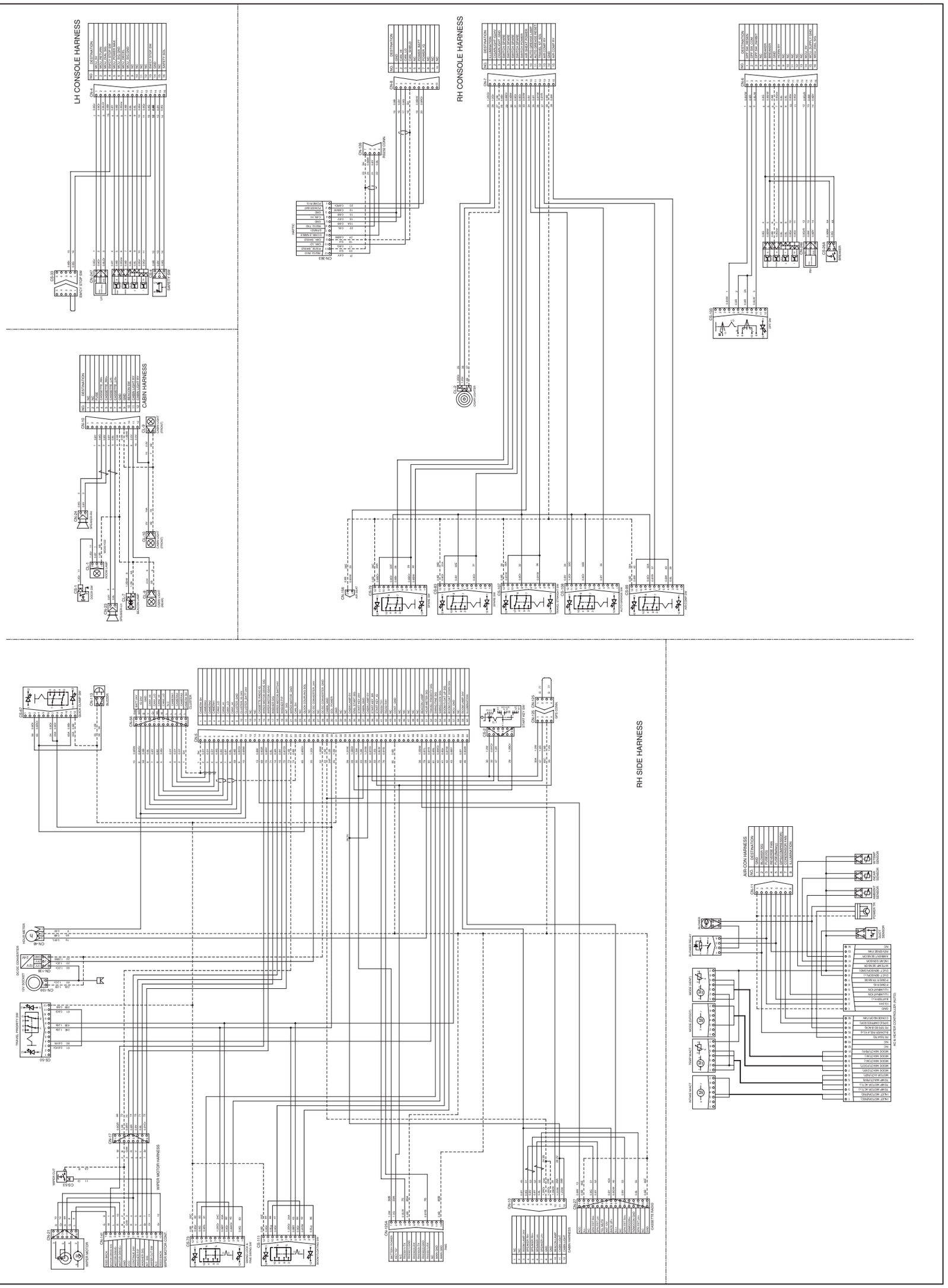
CN-7	NO.	DESTINATION
	1	NC
	2	NC
	3	NC
	4	FUSE
	5	BREAKER SW
	6	BREAKER RY
	7	GND
	8	HORN RY
	9	NC
	10	NC
	11	NC
	12	NC
	13	AIR COMP RY
	14	MCU_5V
	15	MCU_ACCEL SIG.
	16	MCU_SUPPLY GND

CN-4	NO.	DESTINATION
	1	NC
	2	NC
	3	NC
	4	NC
	5	MCU_POWER MAX
	6	MCU_SIG.GND
	7	MCU_DECEL
	8	MCU_SIG.GND
	9	NC
	10	NC
	11	NC
	12	NC
	13	NC
	14	GND
	15	NC
	16	SAFETY SOL

- HX480 L(#0001~)
- HX520 L(#0001~)

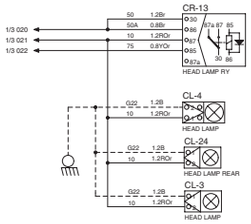


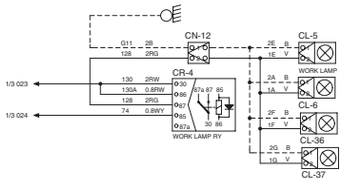
20KB-10200(1/3)

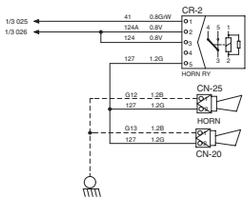


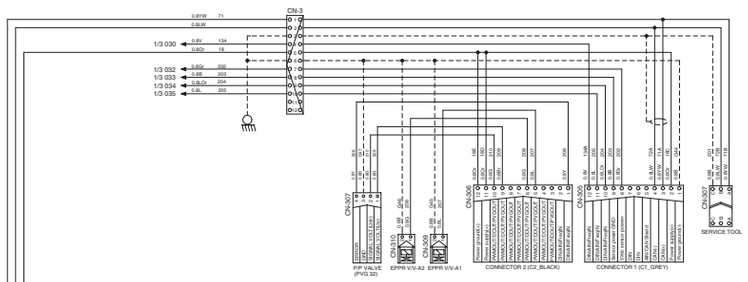
- HX480 L(#0001~)
- HX520 L(#0001~)

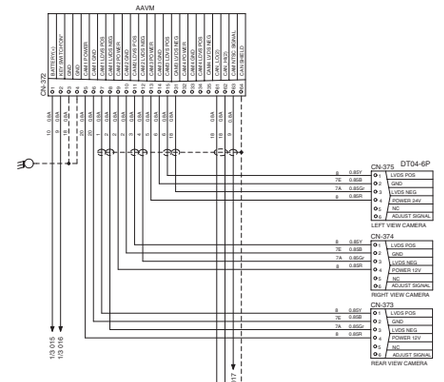
■ HX480 L(#0001~)
■ HX520 L(#0001~)

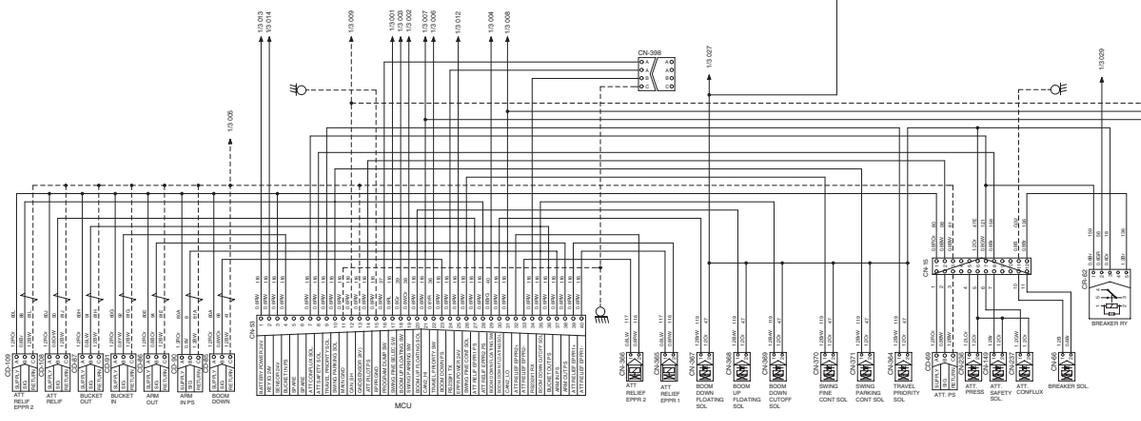




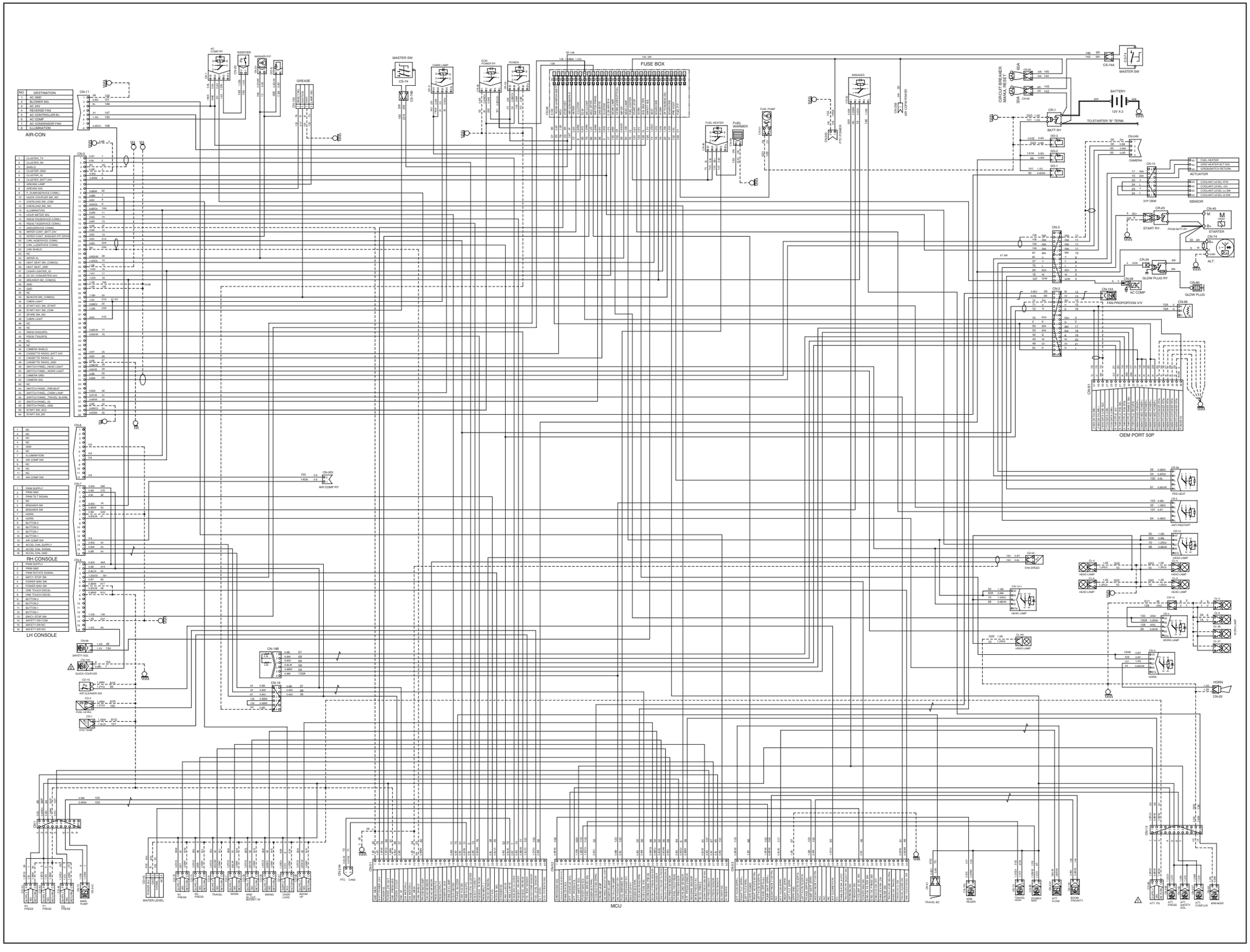






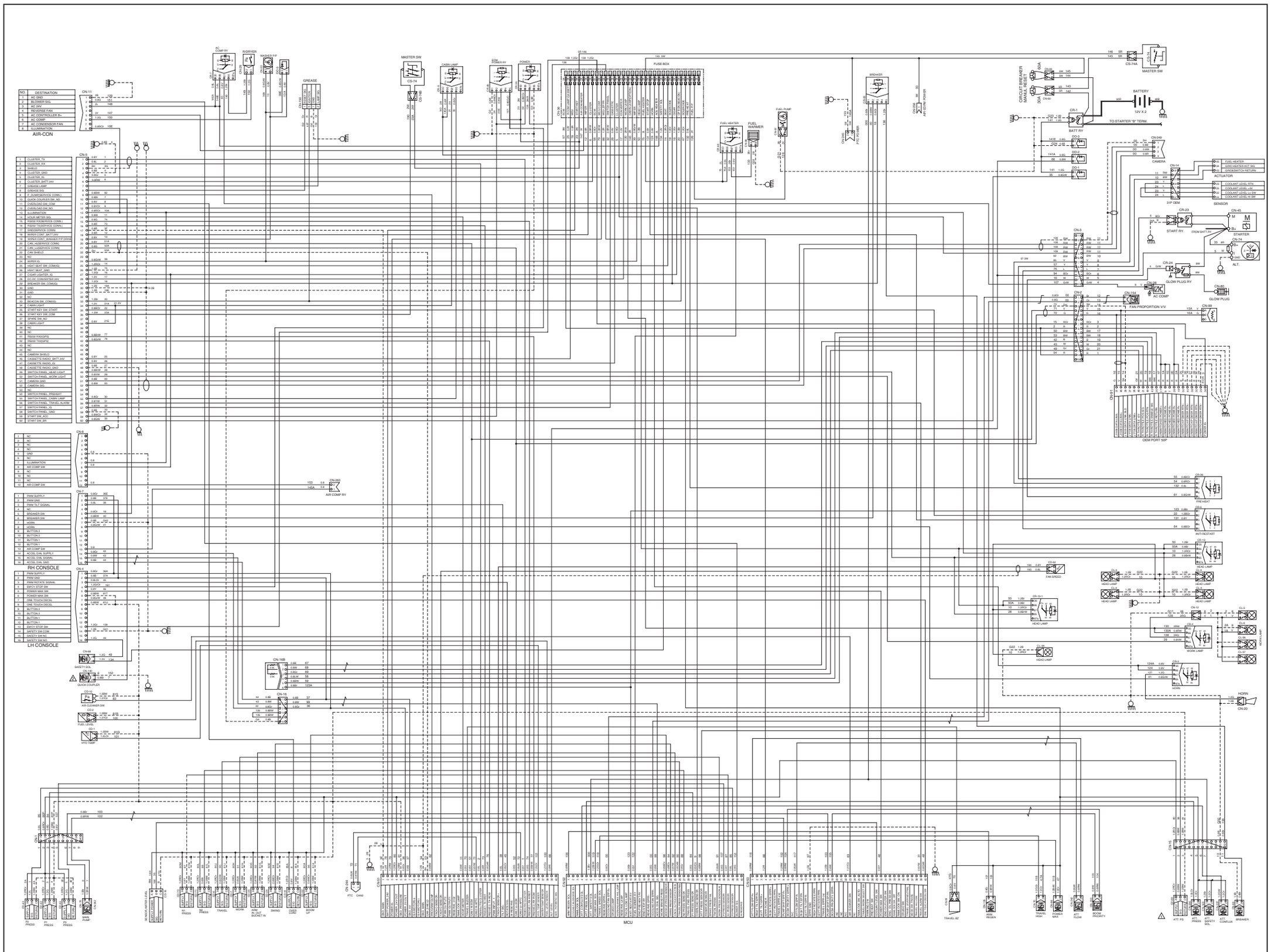


20KB-10200(3/3)

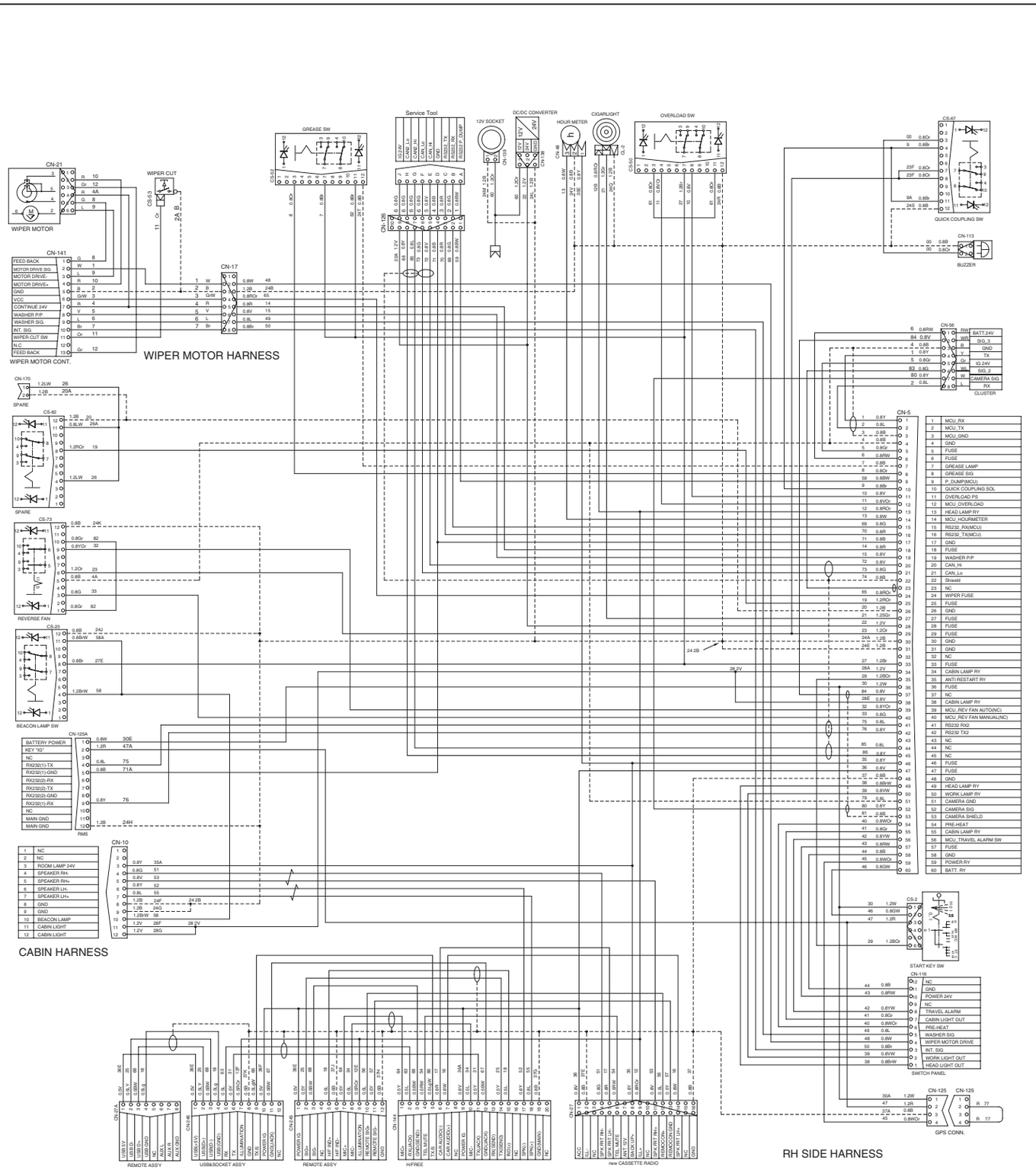


20QD-10102(1/2)

R800LC-9(CURRENT)



20QD-10103(1/2)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

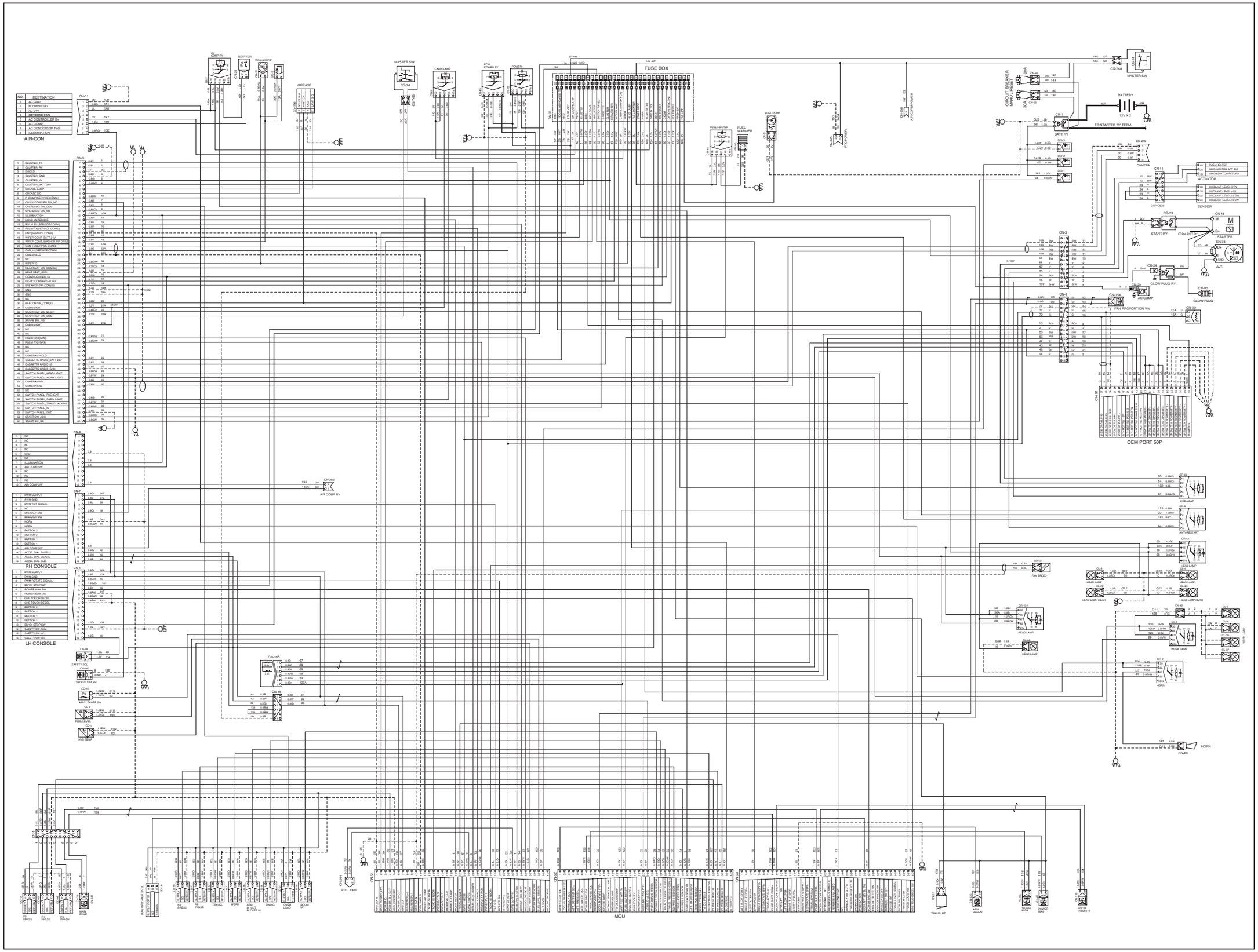
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	GND
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

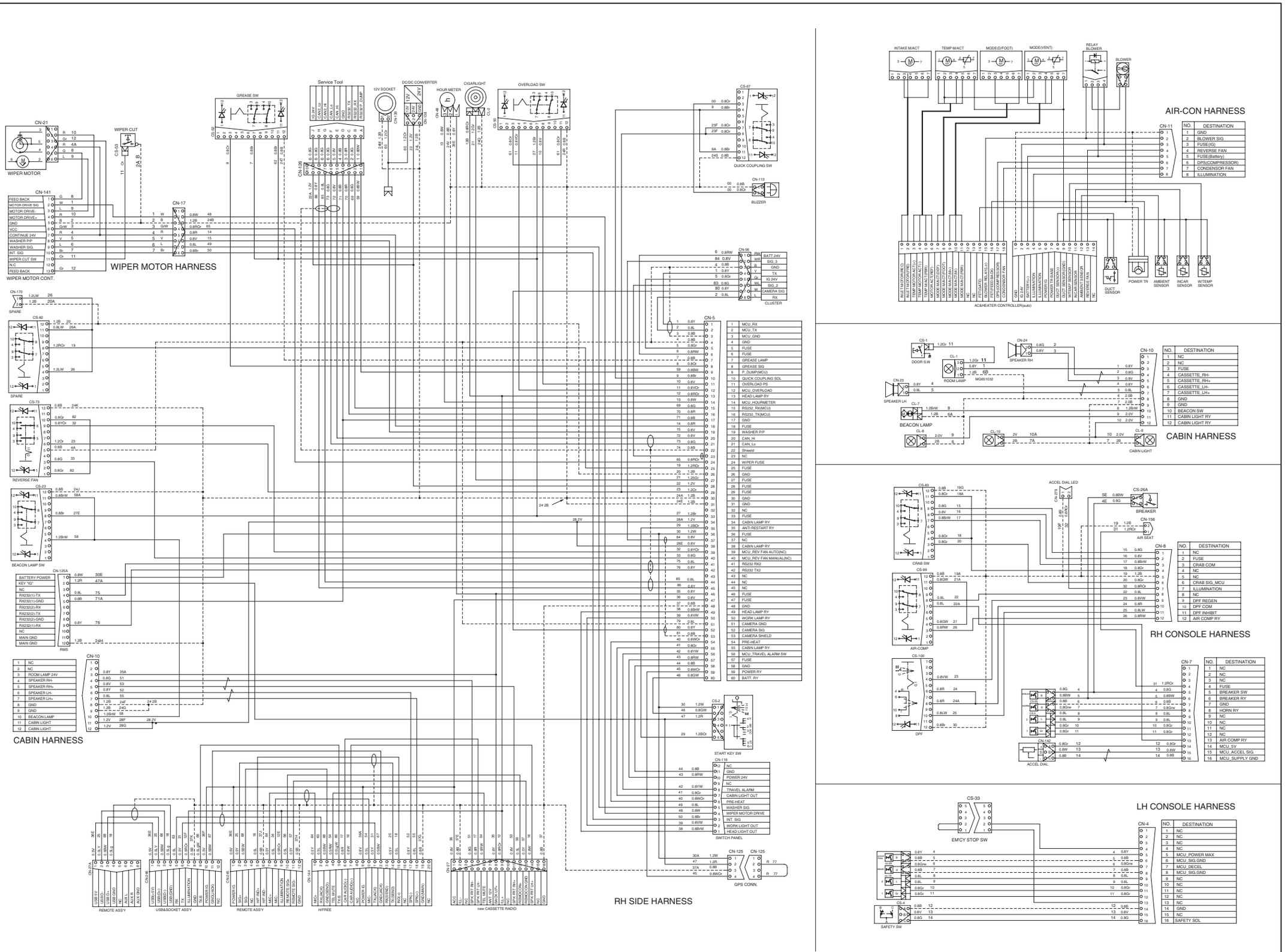
NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

R800LC-9FS(#0001~)



20QD-20102(1/2)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(I/G)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

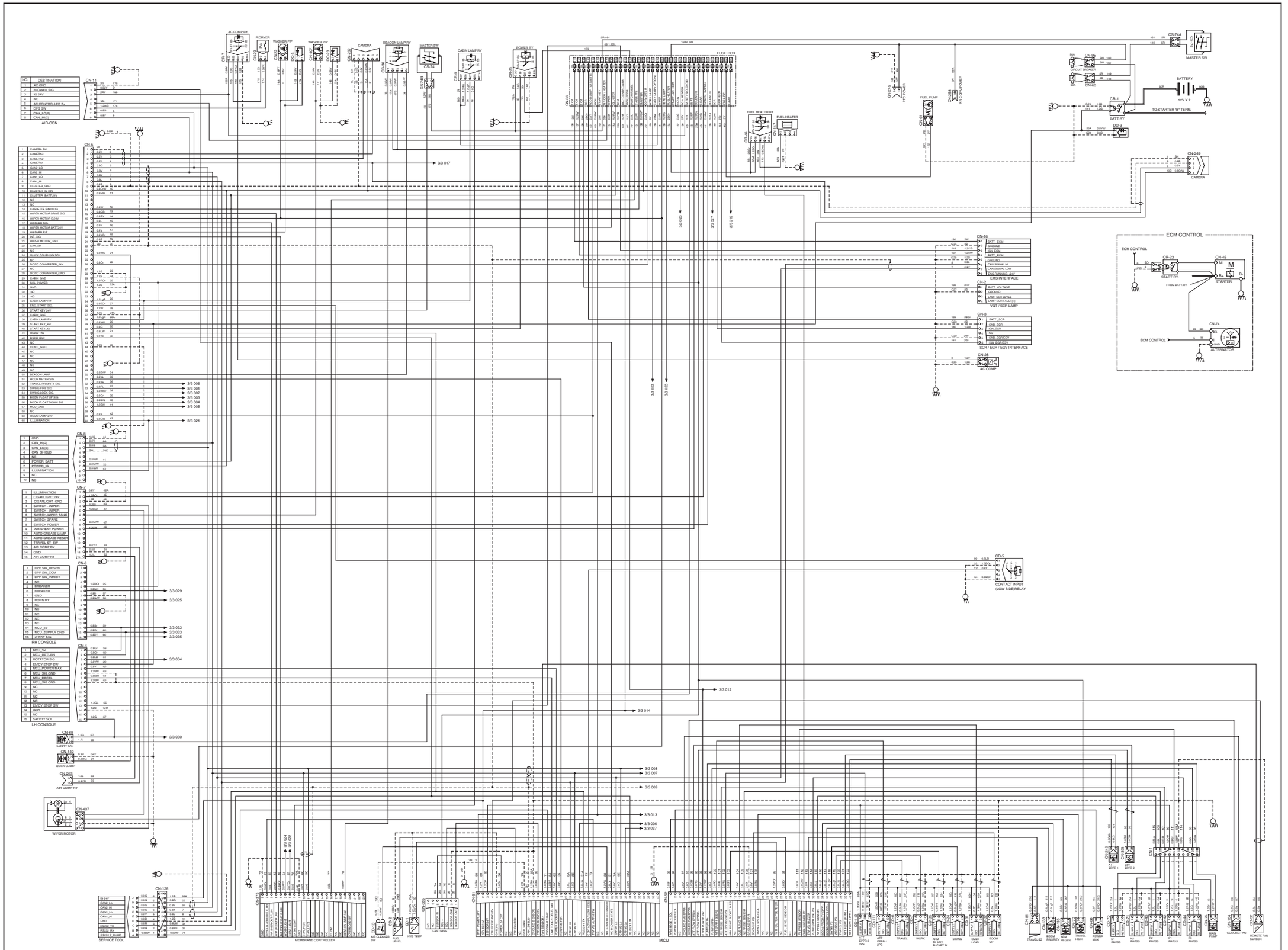
NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	DPF REGEN
10	DPF COM
11	DPF INHIBIT
12	AIR COMP RY

NO.	DESTINATION
1	NC
2	NC
3	NC
4	FUSE
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	AIR COMP RY
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

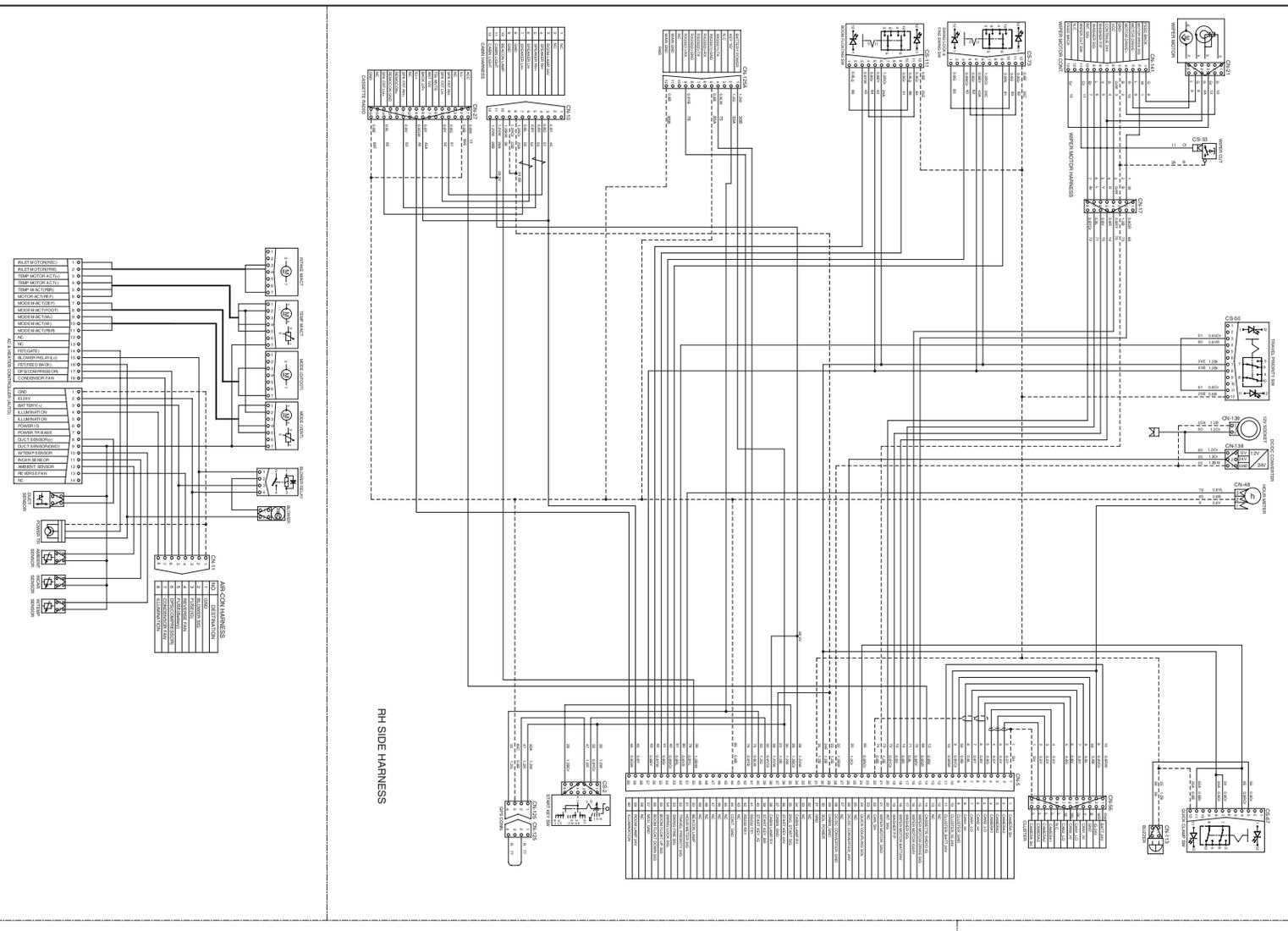
NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

HX900 L(#0001~)

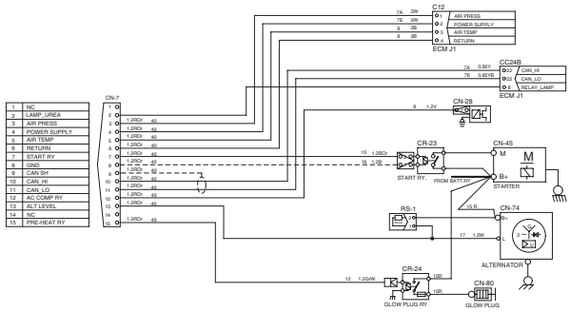


20KD-10300(1/3)

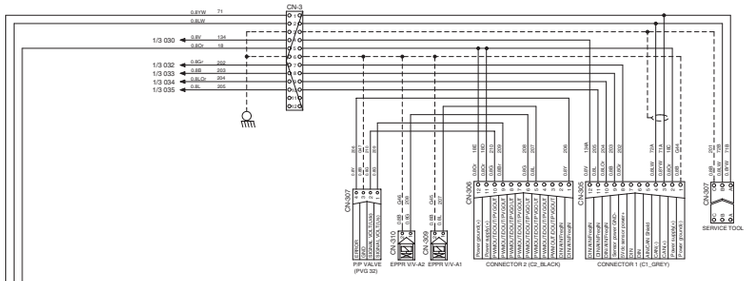
■ HX900 L(#0001~)


RH SIDE HARNESS
AIR-CON HARNESS
CABIN HARNESS
LH CONSOLE HARNESS
RH CONSOLE HARNESS

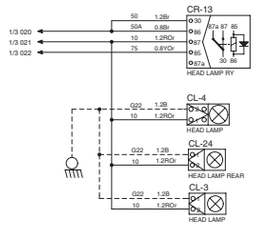
HX900 L(#0001~)

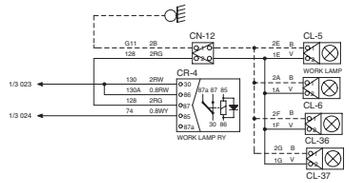


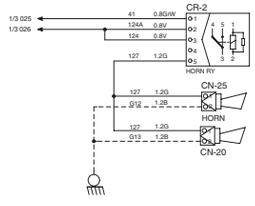
ENGINE HARNESS

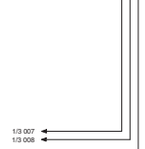


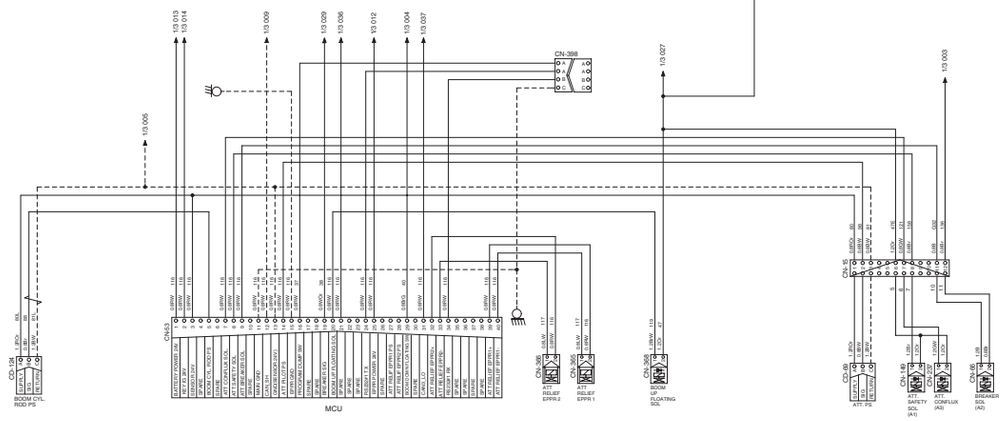
PROPORTIONAL VALVE & LEVER

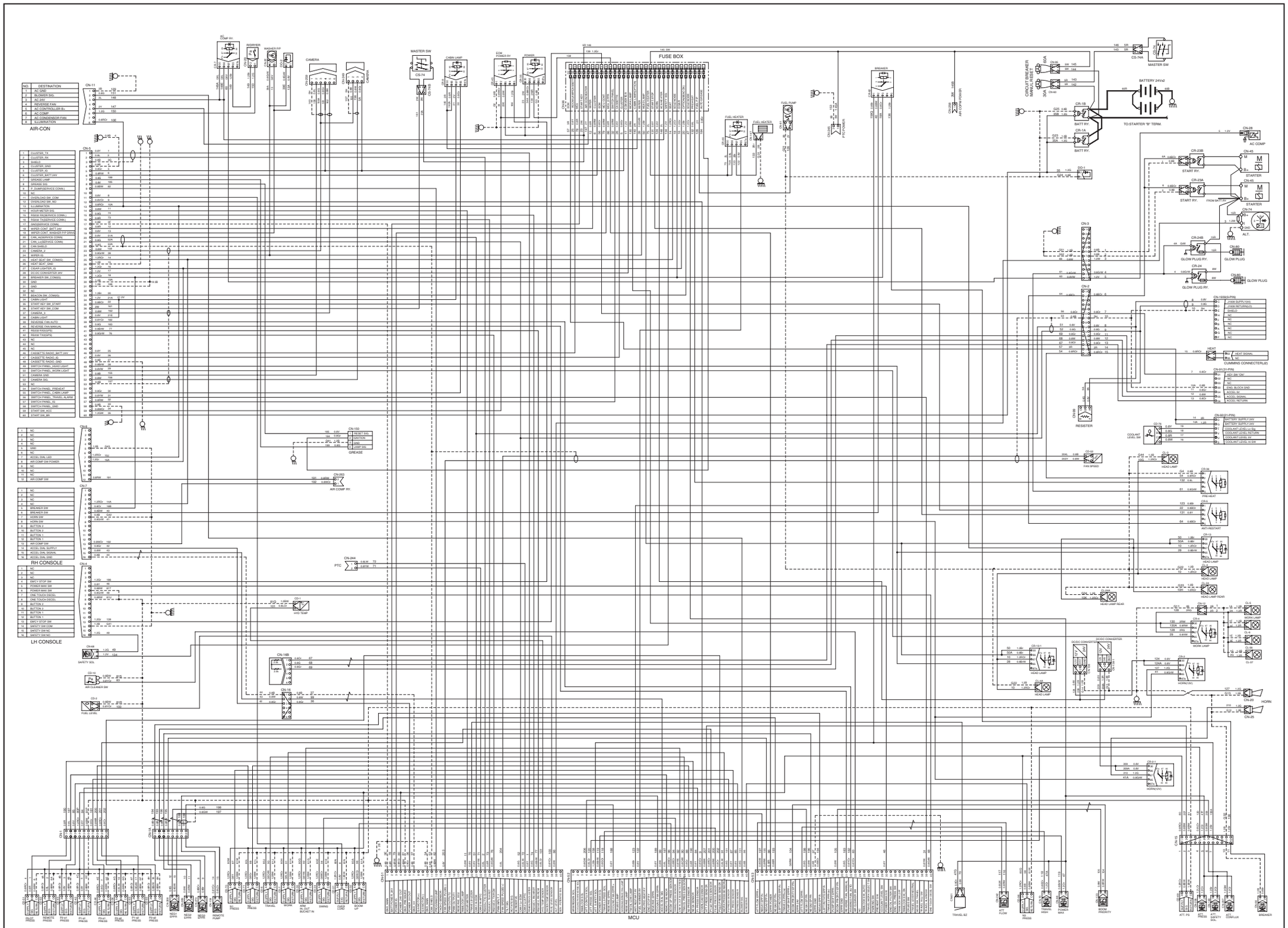






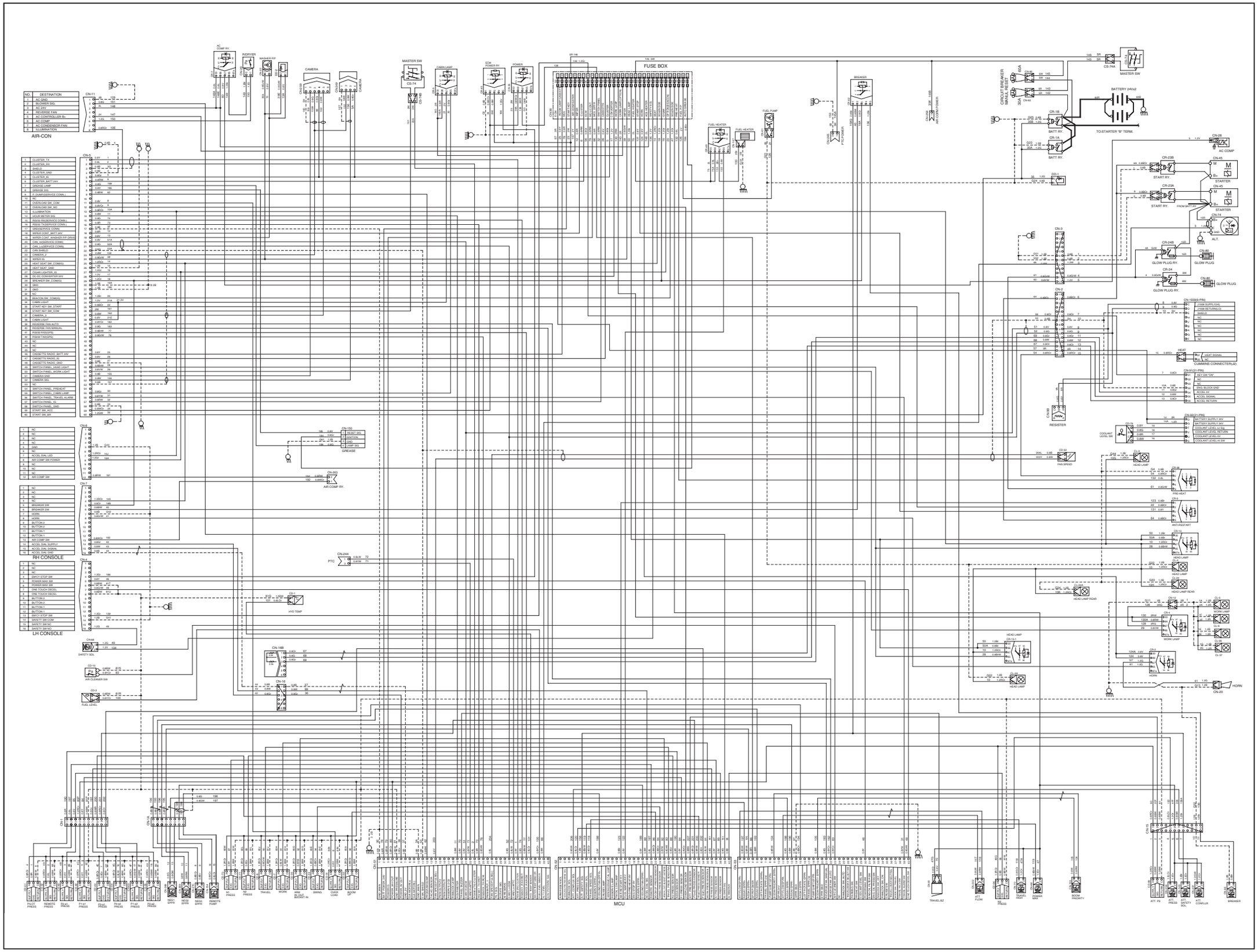




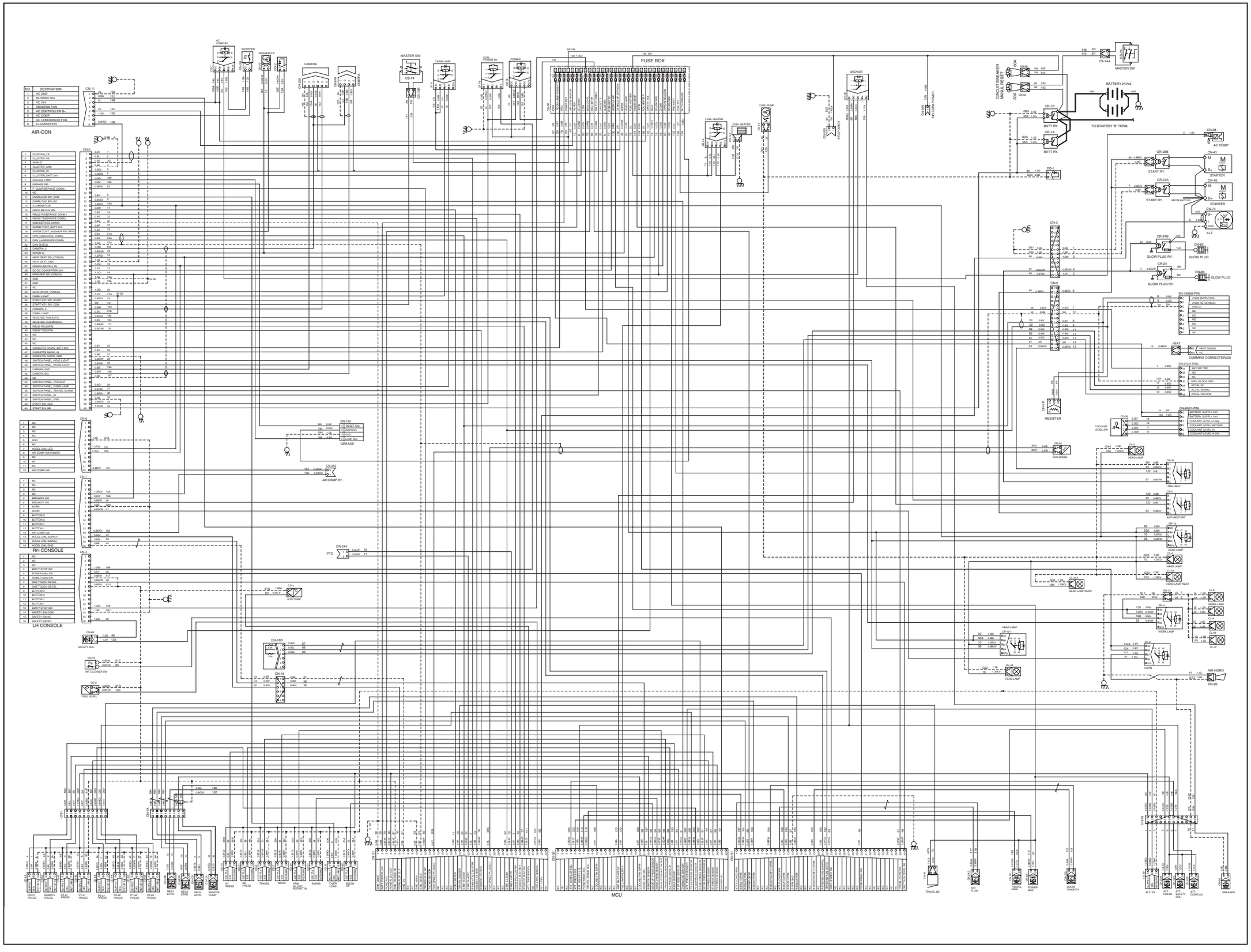


20QE-09104(1/2)

R1200-9(OLD)

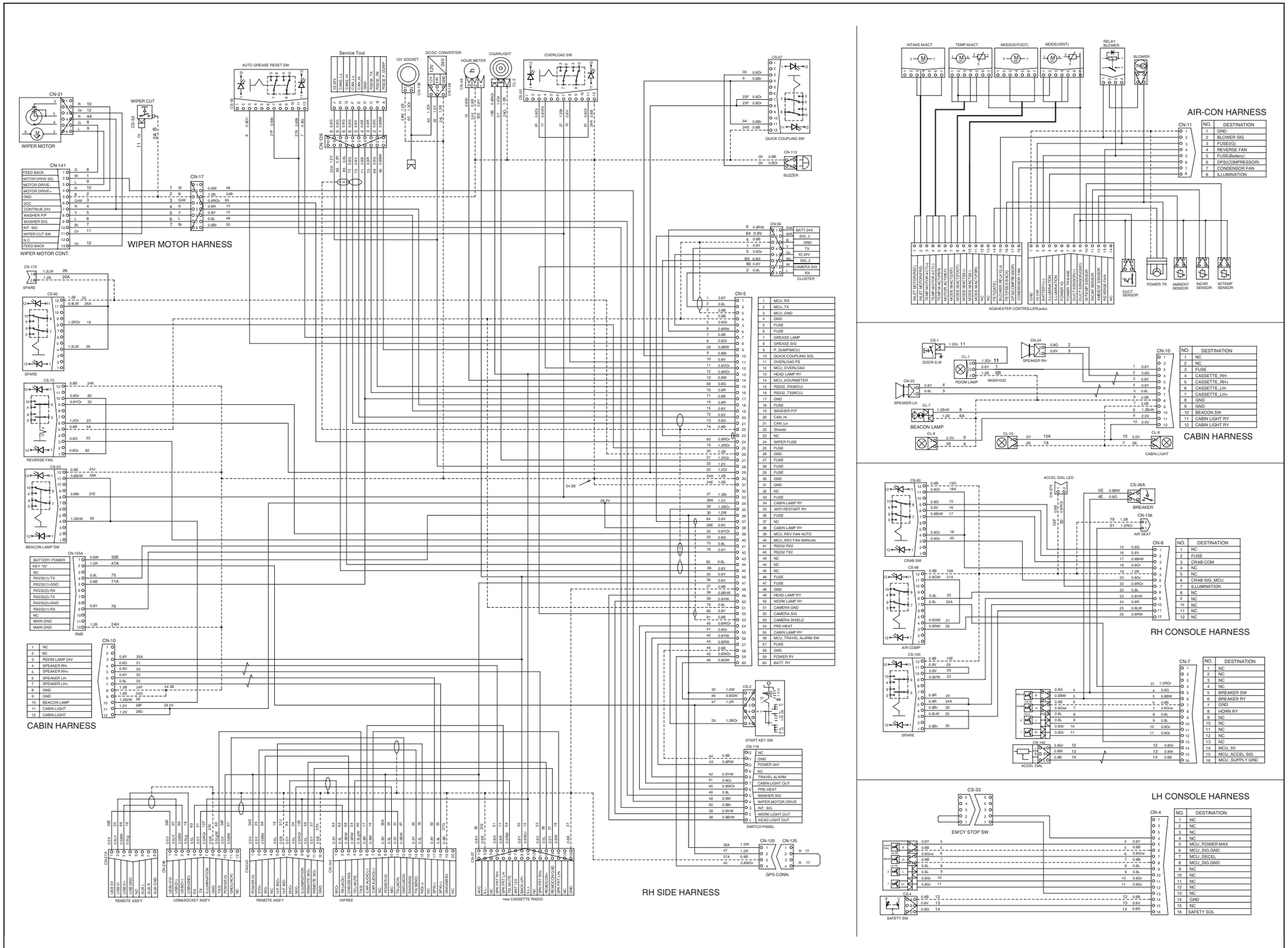


20QE-09105(1/2)



20QE-09106(1/2)

R1200-9(#0001~)



NO.	DESTINATION
1	GND
2	BLOWER SIG
3	FUSE(IG)
4	REVERSE FAN
5	FUSE(Battery)
6	DPS(COMPRESSOR)
7	CONDENSOR FAN
8	ILLUMINATION

NO.	DESTINATION
1	NC
2	NC
3	FUSE
4	CASSETTE_RH-
5	CASSETTE_RH+
6	CASSETTE_LH-
7	CASSETTE_LH+
8	GND
9	GND
10	BEACON SW
11	CABIN LIGHT RY
12	CABIN LIGHT RY

NO.	DESTINATION
1	NC
2	FUSE
3	CRAB COM
4	NC
5	NC
6	CRAB SIG_MCU
7	ILLUMINATION
8	NC
9	NC
10	NC
11	NC
12	NC

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	BREAKER SW
6	BREAKER RY
7	GND
8	HORN RY
9	NC
10	NC
11	NC
12	NC
13	NC
14	MCU_5V
15	MCU_ACCEL SIG.
16	MCU_SUPPLY GND

NO.	DESTINATION
1	NC
2	NC
3	NC
4	NC
5	MCU_POWER MAX
6	MCU_SIG.GND
7	MCU_DECEL
8	MCU_SIG.GND
9	NC
10	NC
11	NC
12	NC
13	NC
14	GND
15	NC
16	SAFETY SOL

1	MCU_RX
2	MCU_TX
3	MCU_GND
4	GND
5	FUSE
6	FUSE
7	GREASE LAMP
8	GREASE SIG
9	P_DUMP(MCU)
10	QUICK COUPLING SOL
11	OVERLOAD PS
12	MCU_OVERLOAD
13	HEAD LAMP RY
14	MCU_HOURMETER
15	RS232_RX(MCU)
16	RS232_TX(MCU)
17	GND
18	FUSE
19	WASHER P/P
20	CAN_H
21	CAN_Lo
22	Shield
23	NC
24	WIPER FUSE
25	FUSE
26	GND
27	FUSE
28	FUSE
29	FUSE
30	GND
31	GND
32	NC
33	FUSE
34	CABIN LAMP RY
35	ANTI RESTART RY
36	FUSE
37	NC
38	CABIN LAMP RY
39	MCU_REV FAN AUTO
40	MCU_REV FAN MANUAL
41	RS232 RX2
42	RS232 TX2
43	NC
44	NC
45	NC
46	FUSE
47	FUSE
48	GND
49	HEAD LAMP RY
50	WORK LAMP RY
51	CAMERA GND
52	CAMERA SIG
53	CAMERA SHIELD
54	PRE-HEAT
55	CABIN LAMP RY
56	MCU_TRAVEL ALARM SW
57	FUSE
58	GND
59	POWER RY
60	BATT. RY

WHEEL EXCAVATOR

CUSTOMER SUPPORT DEPARTMENT NOV 2016 REV.6

NO	MODEL	FILE NO	SERIAL NO	DESCRIPTION	REMARK
1	R55W-9	20M9-05205(1/2, 2/2)	OLD		
		20M9-05207(1/2, 2/2)	CURRENT		
2	R55W-9A	20M9-02002(1/2, 2/2)	#0001~		
3	R60W-9S	20M9-05206(1/2, 2/2)	#0001~		
4	R140W-9	20Q5-07101-01(1/3)	OLD		
		20Q5-07101-02(1/3)	CURRENT		
		20Q6-07407(2/3, 3/3)	#0001~		
5	R140W-9S	20Q4-08300(1/3)	OLD	Cluster type 1	
		20Q4-08303(1/3)	CURRENT	Cluster type 1	
		20Q4-08300(2/3, 3/3)	#0001~	Cluster type 1	
		20Q4-08101(1/3)	OLD	Cluster type 2	
		20Q4-08104(1/3)	CURRENT	Cluster type 2	
		20Q4-08101(2/3, 3/3)	#0001~	Cluster type 2	
6	R140W-9A	20Q4-99101(1/3, 2/3, 3/3)	#0001~		
7	HW140	20K4-99100(1/3)	#0001~		
		20K4-03300(2/3)	#0001~		
		20K5-99100(3/3)	#0001~		
8	HW160 HW180	20K5-99102(1/3)	#0001~		
		20K5-99100(2/3)	#0001~		
		20K5-99100(3/3)	#0001~		
9	R170W-9	20Q5-07101-01(1/3)	OLD		
		20Q5-07101-01(1/3)	CURRENT		
		20Q6-07407(2/3, 3/3)	#0001~		
		20Q5-08300(1/3, 2/3, 3/3)	#0001~	Propotional type	
10	R170W-9S	20Q5-06200(1/3, 2/3, 3/3)	~#0402	Cluster type 1	
		20Q5-06102(1/3. 2/3. 3/3)	~#0402	Cluster type 2	
11	R180W-9S	20Q5-06204(1/3)	#0403~	Cluster type 1	
		20Q5-06200(2/3. 3/3)	#0403~	Cluster type 1	
		20Q5-06104(1/3)	#0403~	Cluster type 2	
		20Q5-06102(2/3. 3/3)	#0403~	Cluster type 2	
12	R180W-9A	20Q4-99101(1/3, 2/3, 3/3)	#0001~		
13	R210W-9	20Q6-07405(1/3)	OLD		
		20Q6-07410(1/3)	CURRENT		
		20Q6-07408(2/3)	#0001~		
		20Q6-07407(3/3)	#0001~		
		20Q6-07451(1/3, 2/3, 3/3)	#0001~	Propotional type	
14	R210W-9MH	20Q6-07500(1/3, 2/3, 3/3)	#0001~		
15	R210W-9S	20Q6-09701(1/3)	OLD	Cluster type 1	
		20Q6-09703(1/3)	CURRENT	Cluster type 1	
		21Q6-09701(2/3, 3/3)	#0001~	Cluster type 1	
		21Q6-06201(1/3)	OLD	Cluster type 2	
		21Q6-06203(1/3)	CURRENT	Cluster type 2	
		21Q6-06201(2/3)	OLD	Cluster type 2	
		21Q6-01302(2/3)	CURRENT	Cluster type 2	
		21Q6-06201(3/3)	#0001~	Cluster type 2	
16	R210W-9A	21Q6-01302(1/3, 2/3, 3/3)	#0001~		
17	HW210	20K6-11700(1/3)	#0001~		
		20K6-11700(2/3)	#0001~		
		20K6-11700(3/3)	#0001~		