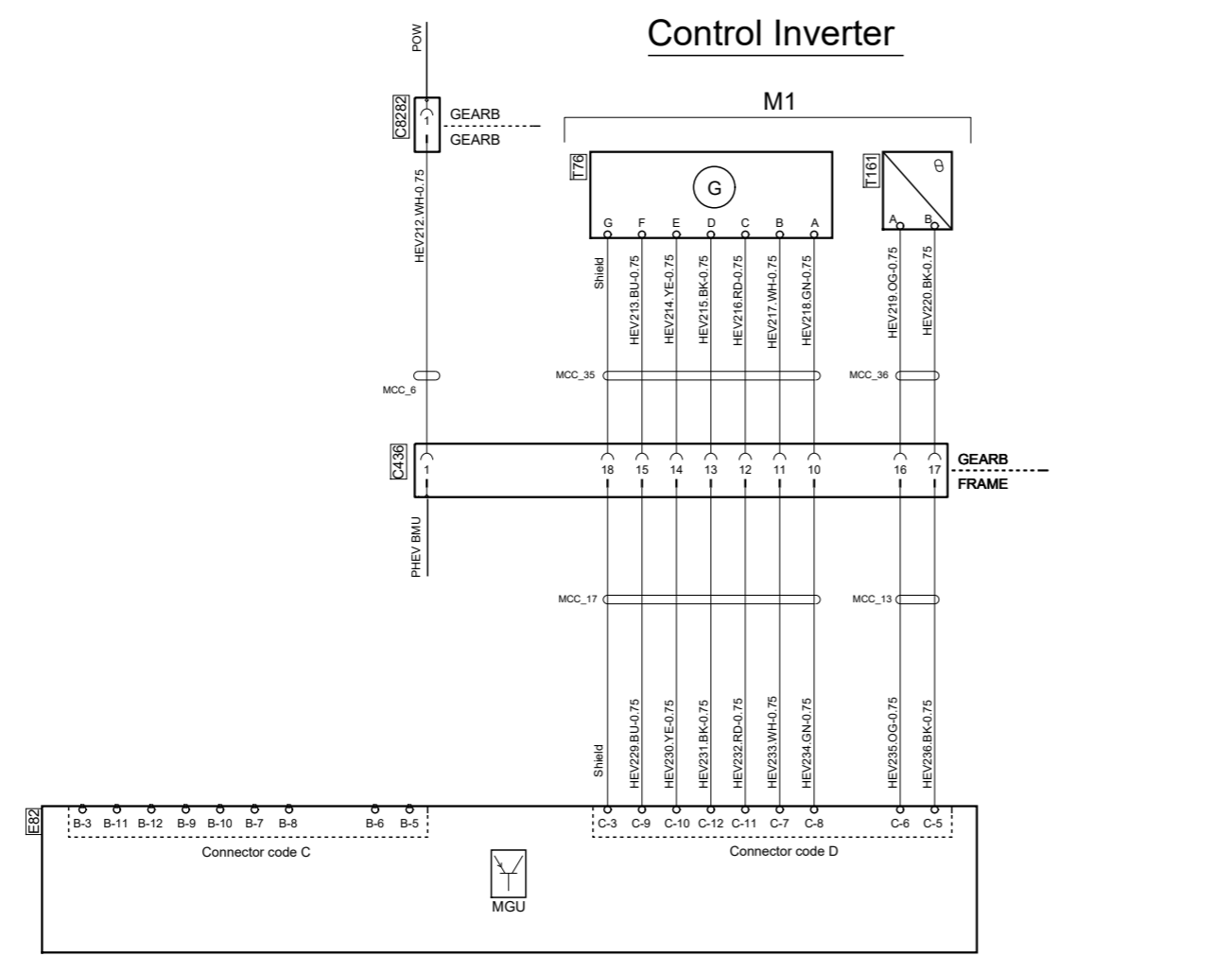
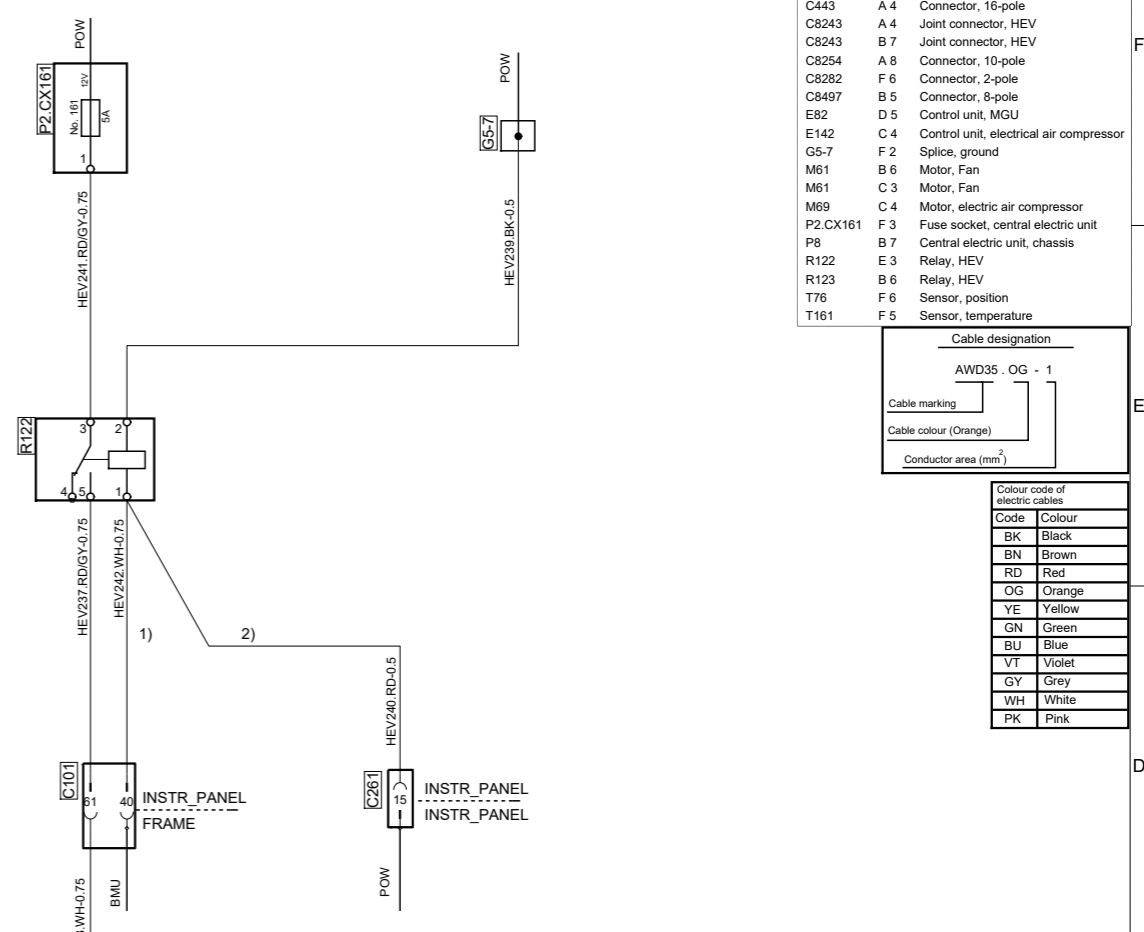


Control Inverter



Refrigerant Compressor



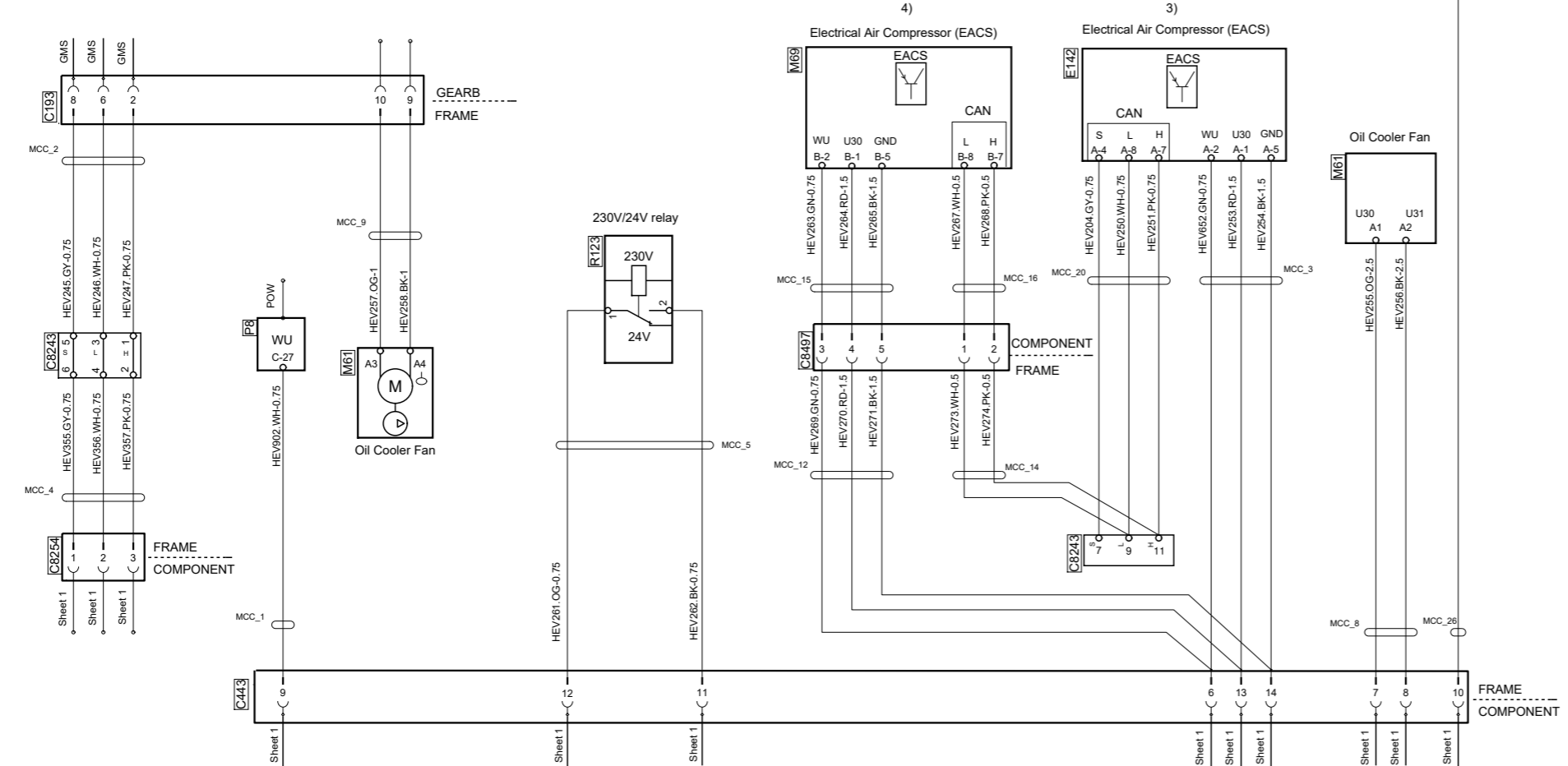
Des.	Pos.	Description
C101	D 3	Connector, 72-pole
C193	C 8	Connector, 16-pole
C261	D 2	Connector, 21-pole
C436	E 6	Connector, 18-pole
C443	A 4	Connector, 16-pole
C8243	A 4	Joint connector, HEV
C8243	B 7	Joint connector, HEV
C8254	A 8	Connector, 10-pole
C8282	F 6	Connector, 2-pole
C8497	B 5	Connector, 8-pole
E82	D 5	Control unit, MGU
E142	C 4	Control unit, electrical air compressor
G5-7	F 2	Splice, ground
M61	B 6	Motor, Fan
M61	C 3	Motor, Fan
M69	C 4	Motor, electric air compressor
P2.CX161	F 3	Fuse socket, central electric unit
P8	B 7	Central electric unit, chassis
R122	E 3	Relay, HEV
R123	B 6	Relay, HEV
T76	F 6	Sensor, position
T161	F 5	Sensor, temperature

Cable designation	
AWD35	OG - 1
Cable marking	
Cable colour (Orange)	
Conductor area (mm ²)	

Colour code of electric cables	
Code	Colour
BK	Black
BN	Brown
RD	Red
OG	Orange
YE	Yellow
GN	Green
BU	Blue
VT	Violet
GY	Grey
WH	White
PK	Pink

Note: For P80Gen2, E82.C (Machine2 reference in MGU) will be connected to M1 due to cable harness installation reasons.

Gearbox interface



- Notes
- 1) PHEV
 - 2) HEV
 - 3) EACS1
 - 4) EACS2



Circuit Diagram:
HEV

Drawing No.- 2555000-2-23
Sheet-Rev:

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VCA