Schematic view

Control Unit « CU »

Wiring unit « WU »

Power Unit « PU »

Elements
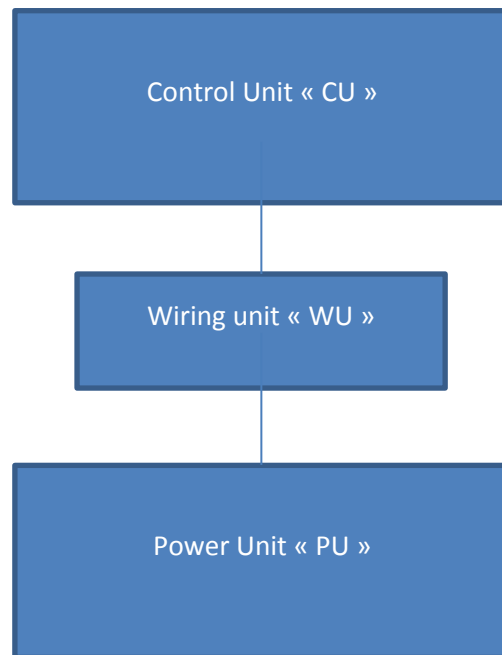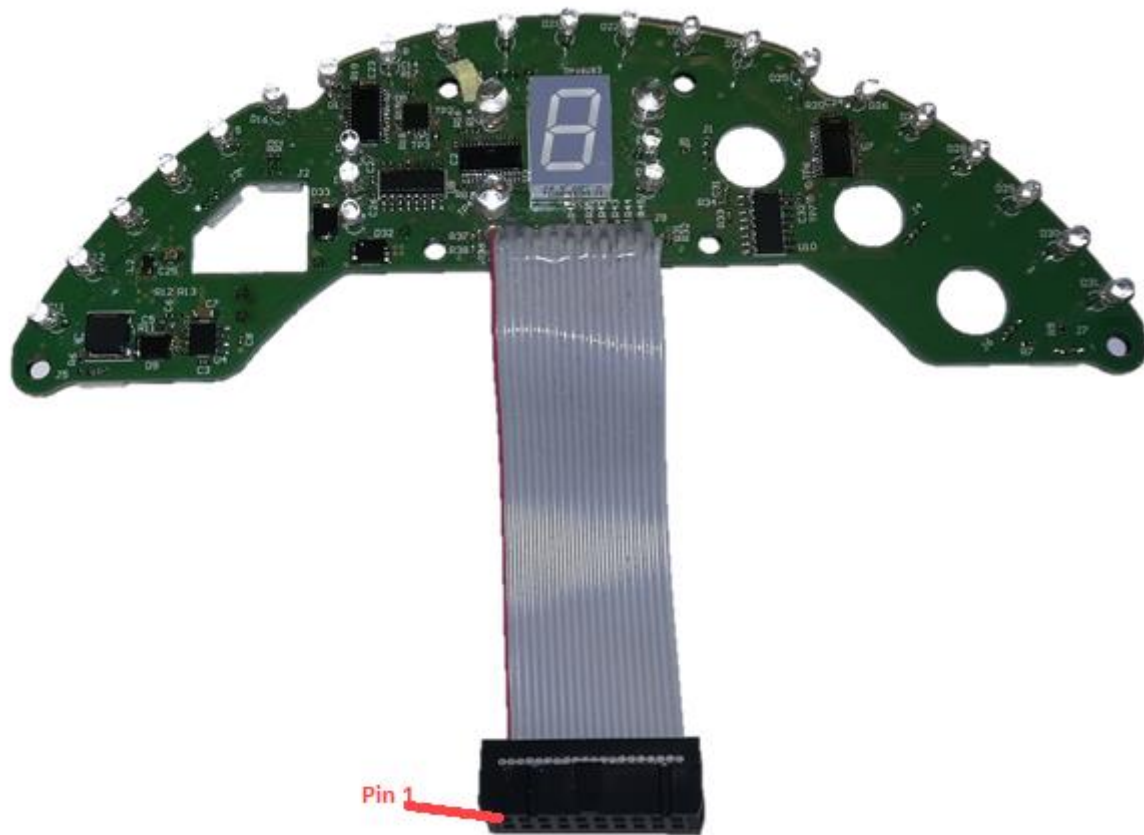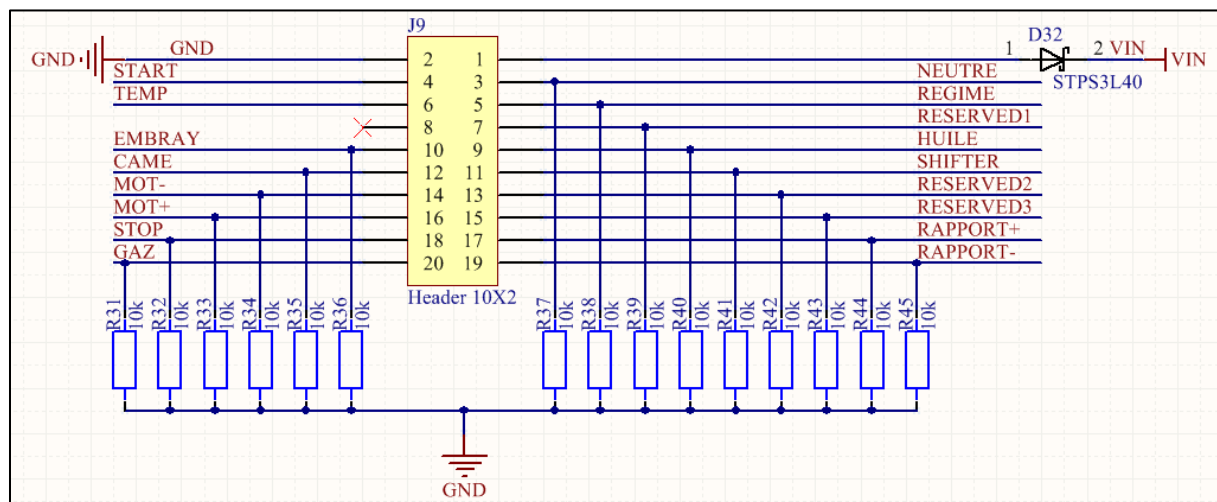
Control Unit

Figure 1: Control Unit "CU" with its 20-pin flat-cable
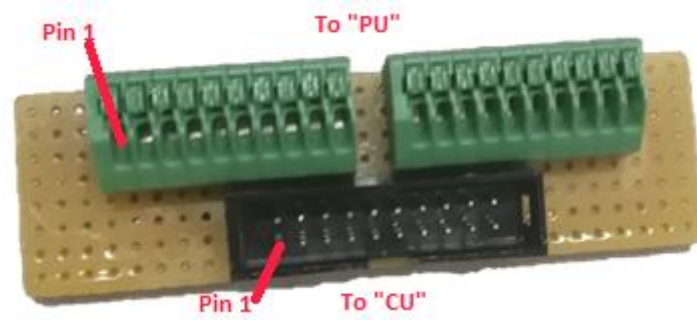

Figure 2: CU 20-pin header

Wiring Unit

Figure 3: Wiring Unit "WU"

Power Unit

Figure 4: Power Unit "PU"

Connectors reference

CU

	Cable
	"Interface"

Pin	Name
1	VIN (12V)
2	GND (0V)
3	NEUTRE
4	START
5	REGIME
6	TEMP
7	RESERVED1
8	
9	HUILE
10	EMBRAY
11	SHIFTER
12	CAME
13	RESERVED2
14	MOT-
15	RESERVED3
16	MOT+
17	RAPPORT+
18	STOP
19	RAPPORT-
20	GAZ

PU

P1		P2		P3	
"Inputs"		"Outputs"		"Interface"	
Pin	Name	Pin	Name	Pin	Name
1	P1	1	STOP+	1	GND (0V)
2	GND (0V)	2	STOP-	2	VIN (12V)
3	VIN (12V)	3	START+	3	VNTC_out
4	P2	4	START-	4	Res_out
5	GND (0V)	5	MOT DC+	5	Regime_out
6	VIN (12V)	6	MOT DC-	6	Huile_out
7	Rapport+	7	VIN (12V)	7	Embray_out
8	GND (0V)	8	GND (0V)	8	Gaz_out
9	VIN (12V)			9	Neutre_out
10	Rapport-			10	Rapport-_out
11	GND (0V)			11	Rapport+_out
12	VIN (12V)			12	P2_out (Shifter)
13	Neutre			13	P1_out(Came)
14	GND (0V)			14	Mot+_in
15	VIN (12V)			15	Mot-_in
16	Gaz			16	Relay1_in(Start)
17	GND (0V)			17	Relay2_in(Stop)
18	VIN (12V)			18	
19	Embray				
20	GND (0V)				
21	VIN (12V)				
22	Huile				
23	GND (0V)				
24	VIN (12V)				
25	Régime				
26	GND (0V)				
27	VIN (12V)				
28	Res_in				
29	GND (0V)				
30	VIN (12V)				
31	NTC				
32	GND (0V)				
33	VIN (12V)				
34	10V				
35	VIF				
36	3.3V				