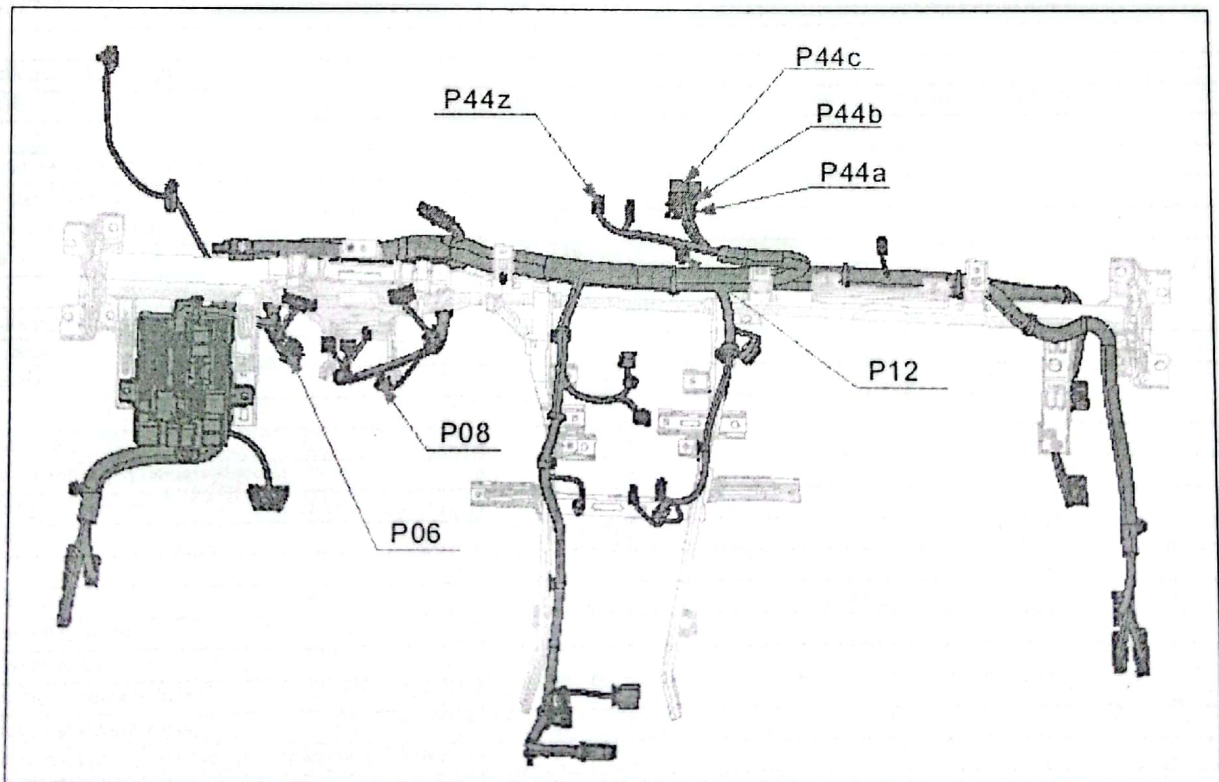
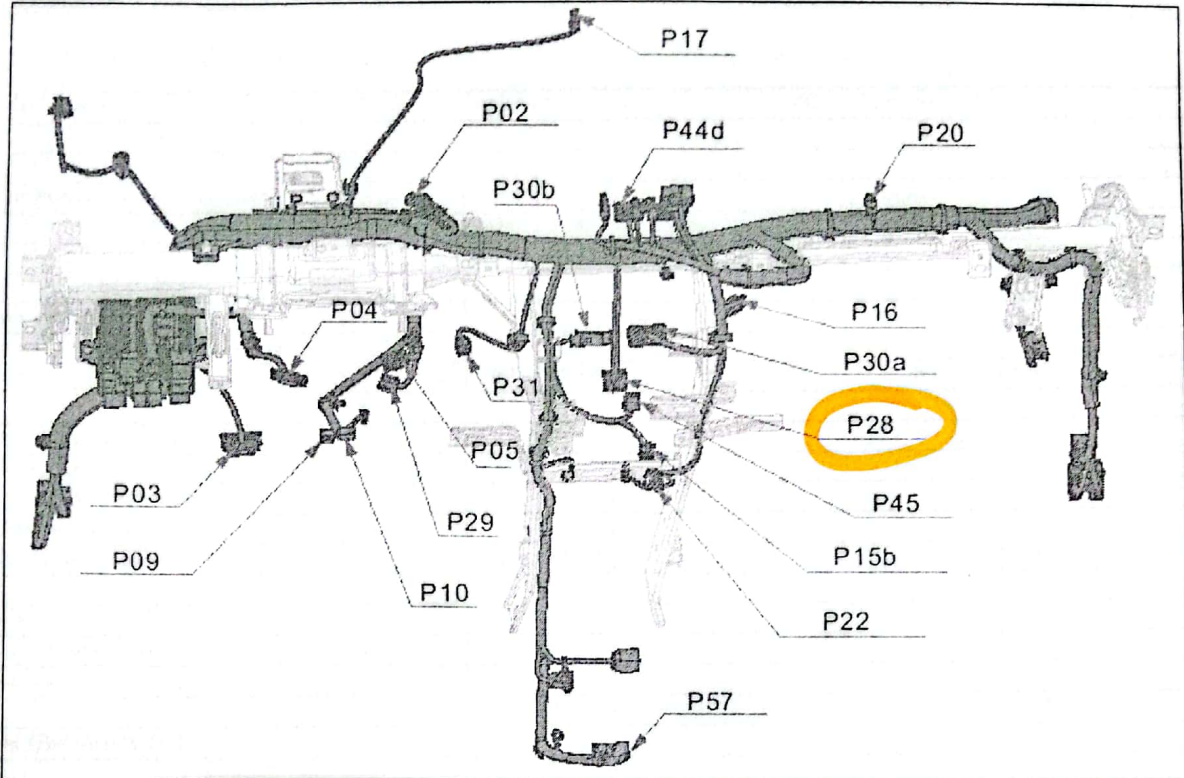
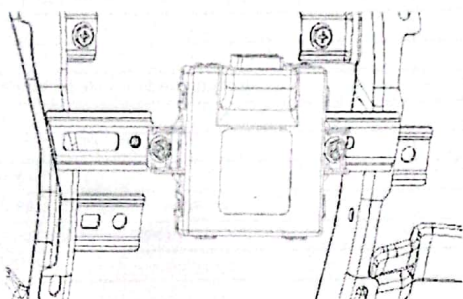


Connector Location View

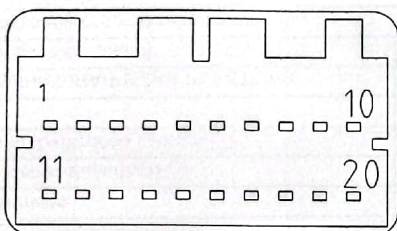


Gateway Controller

Installation and Removal



Connector Definition

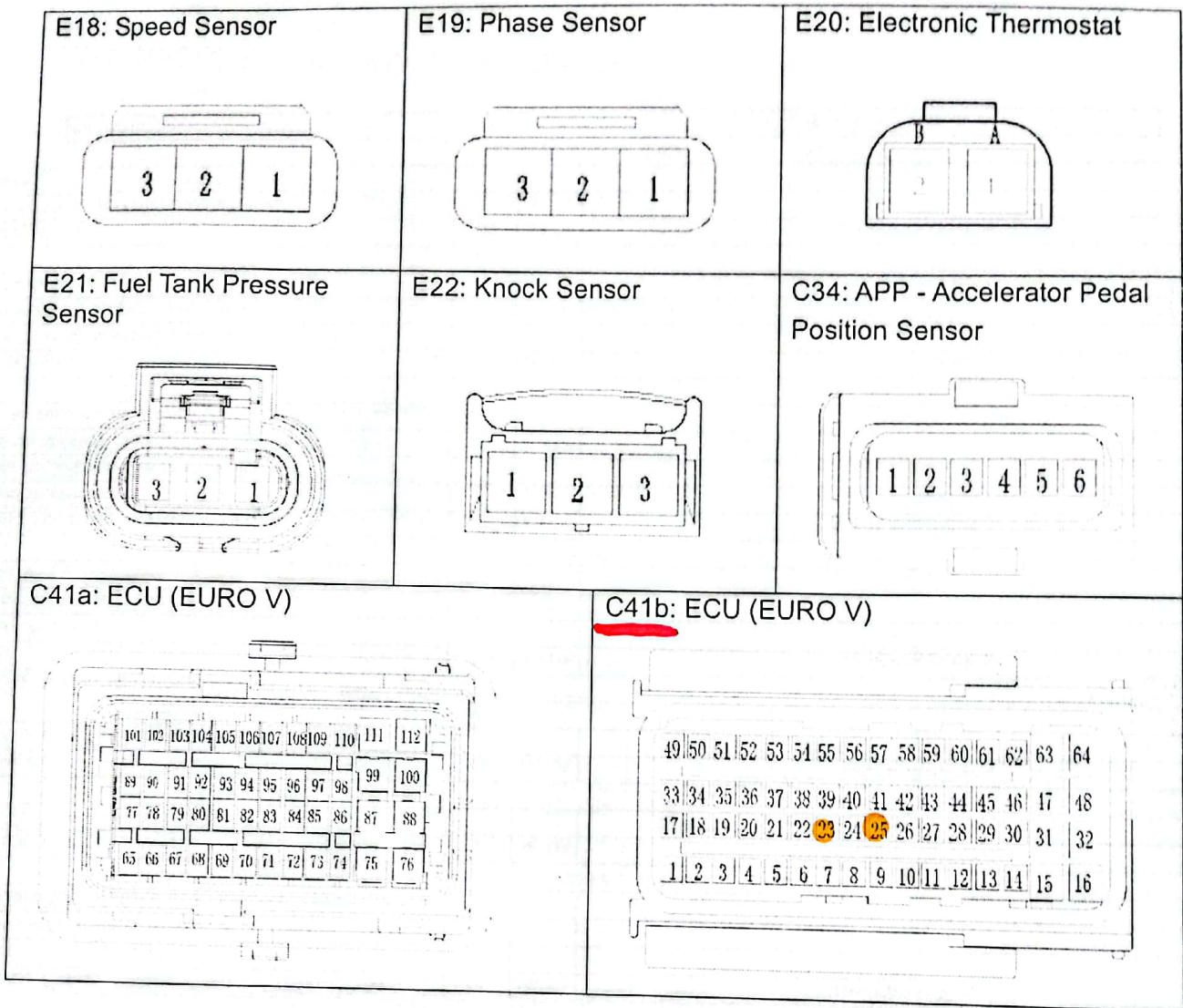


Pin Definition

Item	Description	Item	Description
1	NC	11	NC
2	PCAN High	12	PCAN Low
3	DiagCAN_H	13	DiagCAN_L
4	NC	14	NC
5	Information CAN_H	15	Information CAN_L
6	BCAN High	16	BCAN Low
7	NC	17	NC
8	NC	18	Signal power supply
9	NC	19	Power supply/Battery
10	NC	20	Ground wire/GND

Inspection and Repair

Symptom	Possible Causes	Solutions
The gateway controller does not work	1. The battery voltage is insufficient.	Charge the battery
	2. The connector of gateway controller is not properly connected.	Disconnect the connector and then reconnect it. Make sure the connection is fine.
	3. It fails to output signal. The routing node or the signal is missing.	Replace the gateway controller.
	4. The fuse is burnt out.	Replace the fuse.



DTC: P0571 Brake Switch "A" Circuit

Item	Operation Steps	Test Result	Subsequent Steps
1	Inspect if brake pedal wiring harness is connected correctly	Yes	Go to next step
		No	Reconnect it
2	Inspect if two brake signals are open, short to ground or power supply	Yes	Repair or replace wiring harness
		No	Go to next step
3	Connect the diagnostic tool and adapter		Go to next step
4	Turn the ignition switch to ON. Without depressing brake pedal, use two multimeters to measure if the voltage between brake switch signal and ground is 5V, the voltage between brake lamp signal and ground is 0V respectively	Yes	Go to next step
		No	Adjust pedal travel or replace brake pedal
5	Depress brake pedal slowly and observe if the voltage values of two multimeters change simultaneously	Yes	Go to next step
		No	Adjust pedal travel or replace brake switch
6	Clear DTCs. Start engine and run it at idle speed. Depress and release brake pedal 25 times consecutively, and observe if DTC occurs again	Yes	Diagnosis help
		No	End

DTC: P0604 Electronic Control Unit RAM Fault

Item	Operation Steps	Test Result	Subsequent Steps
1	Connect diagnostic tool and adapter, turn the ignition switch to ON		Go to next step
2	Clear DTCs and confirm if the fault is stable again	Yes	Go to next step
		No	End
3	Replace ECU		Go to next step
4	Turn the ignition switch to ON. Wait for 1 minute for throttle self-learning to complete. Then start the engine. Depress the accelerator pedal several times with transmission in neutral position, and observe if DTC occurs again	Yes	Diagnosis help
		No	End

6.4.6 Lighting System

6.4.6.3 Brake Lamp and Backup Lamp

