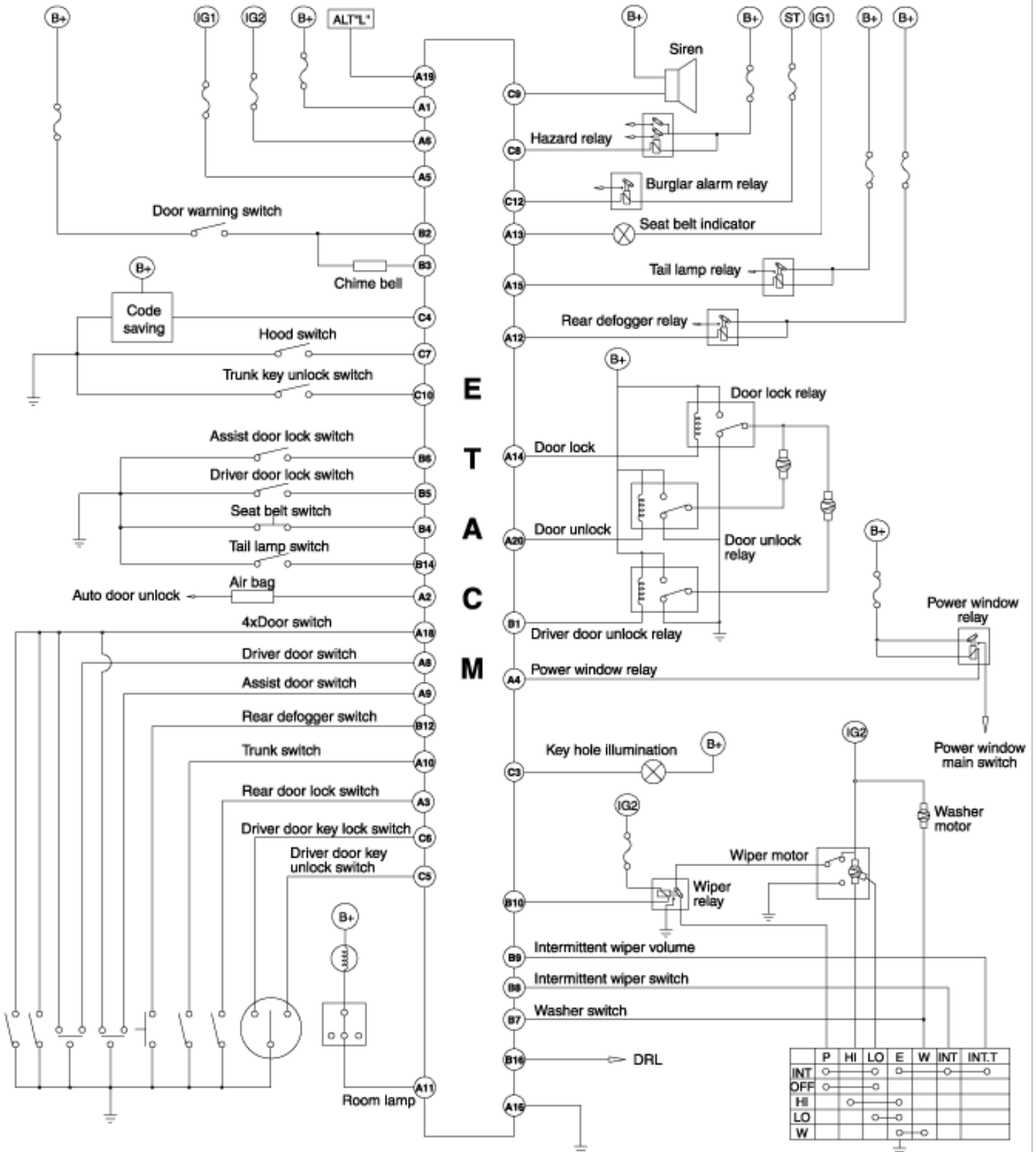


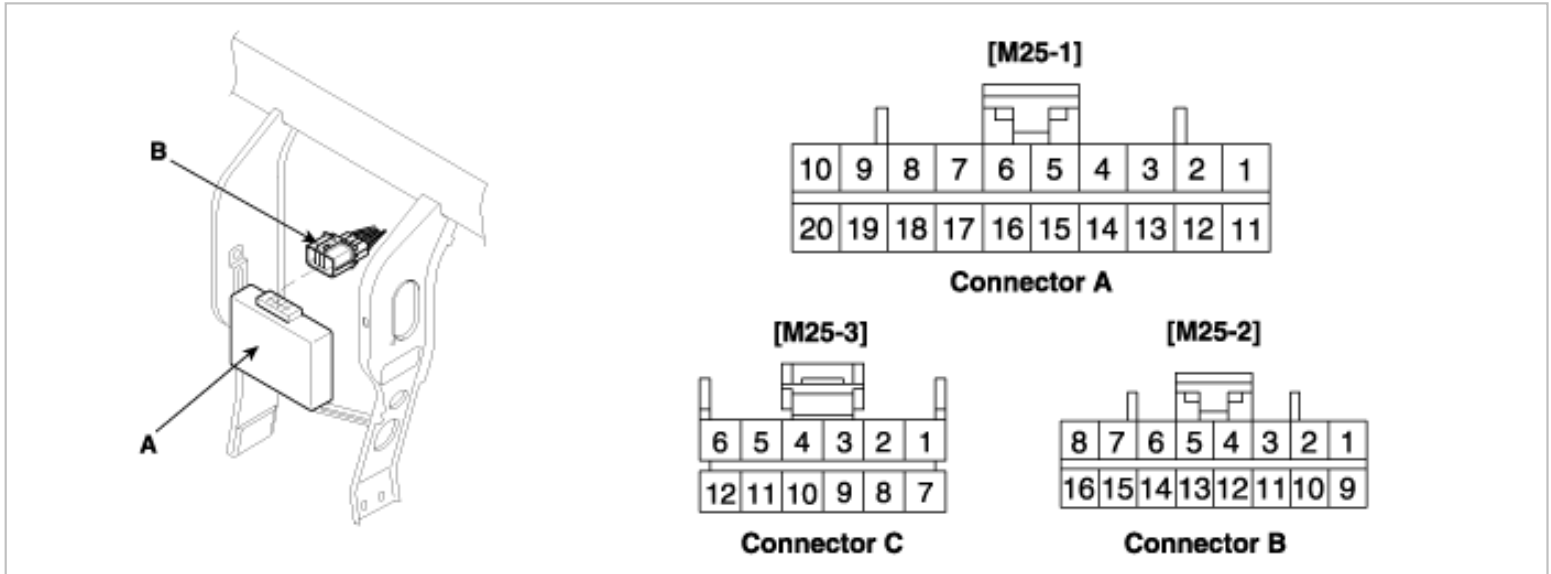


CIRCUIT DIAGRAM



ETACS MODULE INPUT SIGNAL TEST

1. Disconnect the wire connector(B) from the ETACS module(A).
2. Inspect the connector(B) on wire harness side as shown in the below.



Terminal No.	Connector A	Connector B	Connector C
1	B+	Driver door unlock relay	-
2	Air bag signal	Door warning switch	-
3	Rear door lock switch	Chime bell	Key hole illumination lamp
4	Power window relay	Seat belt switch	Code saving
5	IGN1	Driver door lock switch	Driver door key unlock switch
6	IGN2	Assist door lock switch	Driver door key lock switch
7	-	Washer switch	* Hood switch
8	Driver door switch	Intermittent wiper switch	* Hazard lamp relay
9	Assist door switch	Intermittent wiper volume	* Siren
10	Trunk switch	Wiper relay	* Trunk key unlock switch (only 4 doors)
11	Room lamp	-	-
12	Rear defogger relay	Rear defogger switch	* Burglar alarm relay
13	Seat belt-warning lamp	-	
14	Door lock relay	Tail lamp switch	
15	Tail lamp relay	-	
16	Ground	D.R.L	
17	-		
18	Door switch		
19	Alternator "L"		

20	Door unlock relay
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**NOTE**  
 \* : only Keyless entry & Burglar alarm system.

**ETACS MODULE INPUT SIGNAL TEST**

Pin No.	Input signal name	Test condition	Desired result
A5	IGN1	Ignition switch ON or START	Check for voltage to ground; There should be battery voltage
A6	IGN2	Ignition switch ON	Check for voltage to ground; There should be battery voltage
A19	Alternator "L"	Engine start condition	Check for voltage to ground; There should be battery voltage
B2	Door warning switch	Key is inserted into the ignition switch	Check for voltage to ground; There should be battery voltage
A18	All door switch	One of all doors is opened	Check for continuity to ground; There should be continuity
A8	Driver's door switch	Driver's door open	Check for continuity to ground; There should be continuity
A9	Assist door switch	Assist door open	Check for continuity to ground; There should be continuity
A3	Rear door lock switch	One of rear doors is unlock	Check for continuity to ground; There should be continuity
A10	Trunk switch	Turnk open	Check for continuity to ground; There should be continuity
C10	Trunk key unlock switch	Key is inserted into the trunk key cylinder and turned	Check for continuity to ground; There should be continuity
C7	Hood switch	Hood open	Check for continuity to ground; There should be continuity
B7	Washer switch	Washer switch ON	Check for continuity to ground; There should be continuity
B8	Intermittent wiper switch	INT. wiper switch ON	Check for continuity to ground; There should be continuity
B9	Intermittent wiper volume switch	INT. wiper volume switch ON	Resistance should vary from 0 to 50k
B12	Rear defogger switch	Rear defogger switch ON	Check for continuity to ground; There should be continuity

B14	Tail lamp switch	Tail lamp switch ON	Check for continuity to ground; There should be continuity
B4	Seat belt switch	Seat belt is unbuckled	Check for continuity to ground; There should be continuity
C4	Code saving tool	Code save signal	There should be open at unused
A1	Battery (+)	Constant	Check for voltage to ground ; There should be battery voltage
A16	Ground	Constant	Check for continuity to ground ; There should be continuity
B5	Driver's door lock switch	Driver's door is unlock	Check for continuity to ground ; There should be continuity
B6	Assist door lock switch	Assist door is unlock	Check for continuity to ground ; There should be continuity
C5	Driver's door key unlock switch	Driver's door is unlock with key	Check for continuity to ground ; There should be continuity
C6	Driver's door key lock switch	Driver's door is lock with key	Check for continuity to ground ; There should be continuity
A2	Air bag signal	Ignition switch ON	Check for voltage to ground ; There should be about 5V