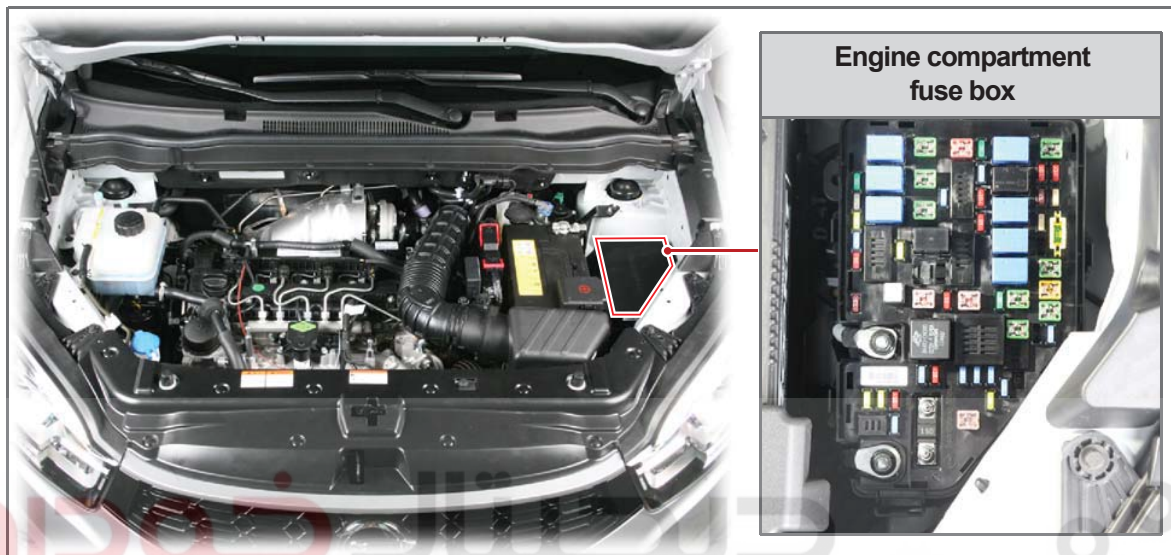


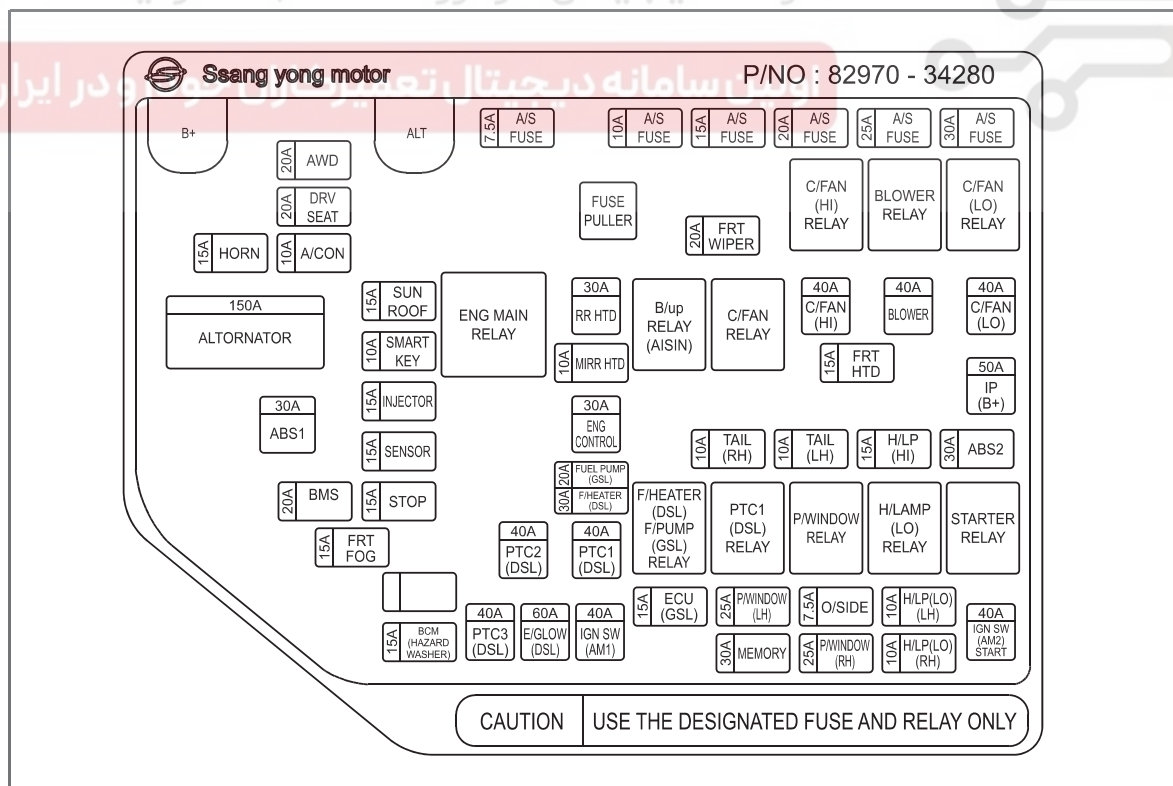
## CONFIGURATION AND FUNCTION

## S.G.N. 8410-02 ENGINE COMPARTMENT FUSE BOX

## 1) Mounting Location



## 2) Capacity and Name of Engine Compartment Fuse and Relay



FUSE

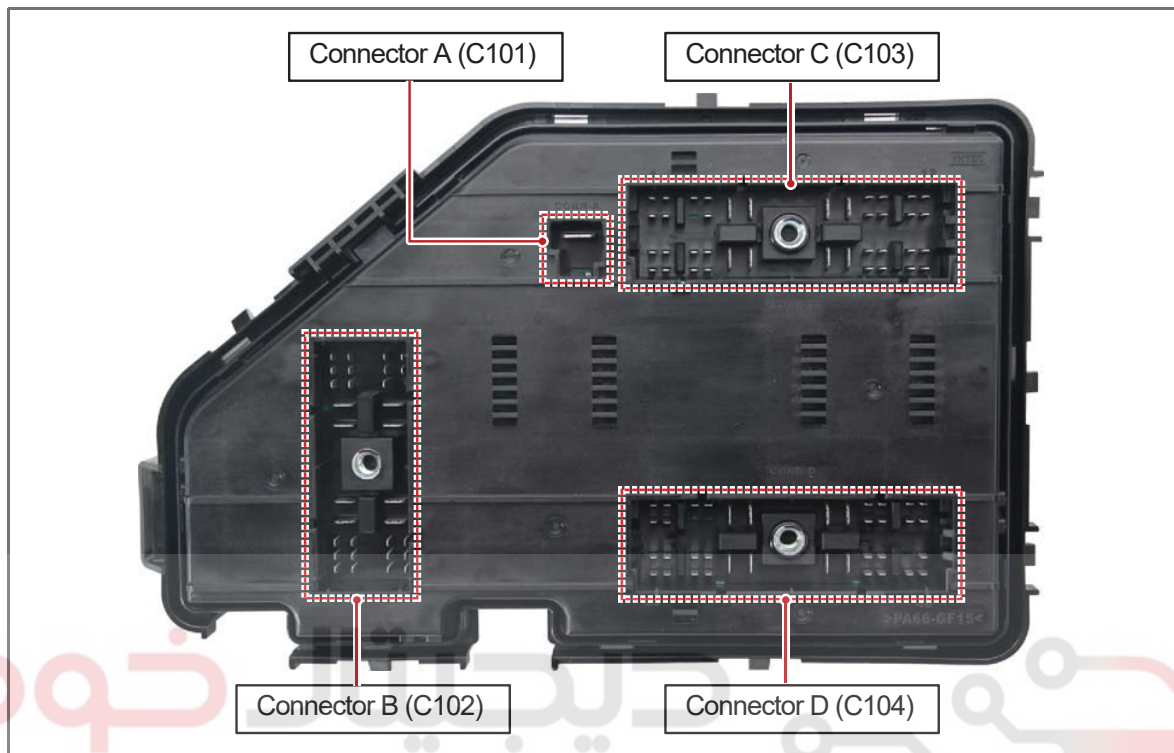
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|                    |       |
|--------------------|-------|
| Modification basis |       |
| Application basis  |       |
| Affected VIN       | 021 6 |

021 62 99 92 92

### 3) Function Description



| Pin No. | Functions (main A) |
|---------|--------------------|
| 1       | GCU (Pin B1)       |

ELECTRO  
NIC

FUSE

BCM

SKM

INSTRUM  
ENT

SWITCH

LAMP

WIPER  
AND

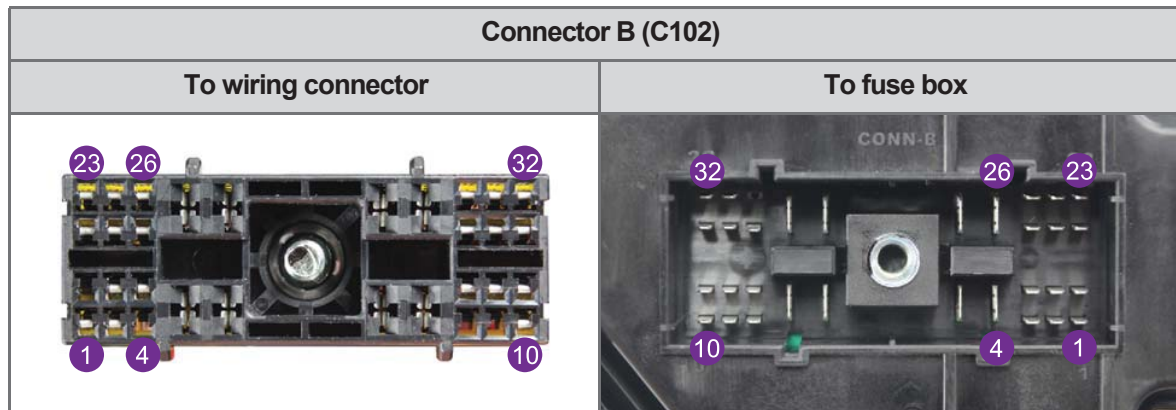
PAS

AUDIO  
SYSTEM

|                    |  |
|--------------------|--|
| Modification basis |  |
| Application basis  |  |
| Approved by        |  |

FUSE

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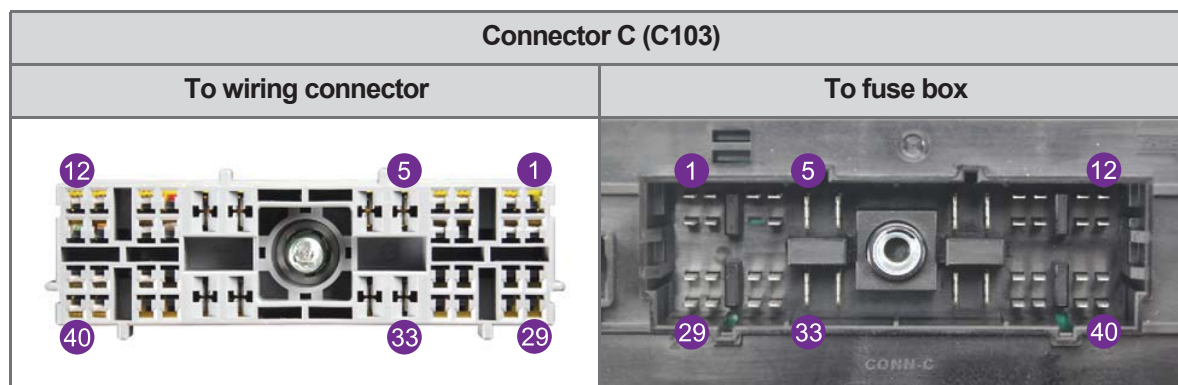
| Pin No. | Functions                                                                                          |
|---------|----------------------------------------------------------------------------------------------------|
| 1       | Sunroof motor (Pin 1)<br>TPMS unit (Pin 4)                                                         |
| 2       | SKM module (Pin C1)<br>Exterior buzzer (Pin 1)                                                     |
| 3       | ECU (Pin B45)                                                                                      |
| 4       | ECU (Pin B1)                                                                                       |
| 5       | ABS/ESP (Pin 1)                                                                                    |
| 6       | EBS (Pin 1) (Only Low Power)<br>TCU A/T (Pin 8)                                                    |
| 7       | PTC heater (Pin 3)                                                                                 |
| 8       | E-EGR (Pin 2)<br>GCU (Pin A5)<br>VGT (Pin 1)                                                       |
| 9       | Stop lamp switch (Pin 2)<br>TGS LEVER (Pin 2)                                                      |
| 10      | Passenger outside heated mirror (Pin 6)<br>Hazard warning lamp & Glass heated wire switch (Pin 10) |
| 11      | LH headlamp (Pin 1)                                                                                |
| 12      | Engine compartment fuse box (Pin C11)                                                              |
| 13      | IMV valve power (Pin 1)                                                                            |
| 14      | ECU (Pin B57)                                                                                      |
| 15      | IGN SW (Pin 4)                                                                                     |
| 16      | Multifunction (LH) (Pin 16)                                                                        |

| Pin No. | Functions                                                    |
|---------|--------------------------------------------------------------|
| 17      | Driver's seat switch (Pin 10)                                |
| 18      | Horn (LH, RH) (Pin 1)                                        |
| 19      | Contact coil (Pin A7)                                        |
| 20      | Front fog lamp(RH) (Pin 2)<br>Instrument cluster<br>DRL unit |
| 21      | Front fog lamp (LH) (Pin 1)                                  |
| 22      | -                                                            |
| 23      | Coupling unit (Pin 13)                                       |
| 24      | GND (G101)                                                   |
| 25      | GND (G101)                                                   |
| 26      | ECU (Pin B3)                                                 |
| 27      | ECU (Pin B5)                                                 |
| 28      | PTC heater (Pin 5)                                           |
| 29      | Fuel pump (Pin 3)<br>Fuel heater (Pin 2)                     |
| 30      | -                                                            |
| 31      | GND (G101)                                                   |
| 32      | BCM (Pin 32)                                                 |

FUSE

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|                    |  |
|--------------------|--|
| Modification basis |  |
| Application basis  |  |
| Affected VIN       |  |



| Pin No. | Functions                                                                                         |
|---------|---------------------------------------------------------------------------------------------------|
| 1       | -                                                                                                 |
| 2       | ECU (Pin B56)                                                                                     |
| 3       | LH Headlamp (position) (Pin 4)                                                                    |
| 4       | BCM (Pin D8)                                                                                      |
| 5       | PTC heater (Pin 1)                                                                                |
| 6       | Interior fuse box (F51 to 52)                                                                     |
| 7       | Power window main switch (Pin 2)<br>Passenger's power window switch (Pin 5)                       |
| 8       | ICM box (Pin A8)<br>IGN S/W (Pin 5)                                                               |
| 9       | -                                                                                                 |
| 10      | Multifunction switch (LH) (Pin 13)                                                                |
| 11      | Engine compartment fuse box (C102)                                                                |
| 12      | BCM (Pin D3)                                                                                      |
| 13      | RH Headlamp (position) (Pin 4)                                                                    |
| 14      | Rear LH combination lamp (tail lamp) (Pin 3)<br>S203 (ILL) (Pin 19)<br>License plate lamp (Pin 2) |
| 15      | -                                                                                                 |
| 16      | Rear RH combination lamp (tail lamp) (Pin 3)                                                      |

| Pin No. | Functions                                                                                  |
|---------|--------------------------------------------------------------------------------------------|
| 17      | Outside mirror                                                                             |
| 18      | Headlamp low beam (RH) (Pin 1)<br>DRL unit (Pin 9)                                         |
| 19      | -                                                                                          |
| 20      | -                                                                                          |
| 21      | RH headlamp (position) (VSM) (Pin 4)<br>Rear RH combination lamp (tail lamp) (VSM) (Pin 3) |
| 22      | S203 (VSM) (Pin 19)                                                                        |
| 23      | LH headlamp (position) (VSM) (Pin 4)<br>Rear LH combination lamp (tail lamp) (VSM) (Pin 3) |
| 24      | High-mounted stop lamp (VSM)(Pin 1)                                                        |
| 25      | -                                                                                          |
| 26      | -                                                                                          |
| 27      | Headlamp high beam (RH) (Pin 2)<br>DRL unit (Pin 12)                                       |
| 28      | Clutch switch M/T (Pin 1)<br>TCU A/T (Pin 4)                                               |
| 29      | Rear RH combination lamp (stop lamp) (VSM) (Pin 2)                                         |
| 30      | RH headlamp (high beam) (VSM) (Pin 2)                                                      |

|                    |  |
|--------------------|--|
| Modification basis |  |
| Application basis  |  |
| Approved by        |  |

FUSE

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ELECTRO  
NIC

FUSE

BCM

SKM

INSTRUM  
ENT

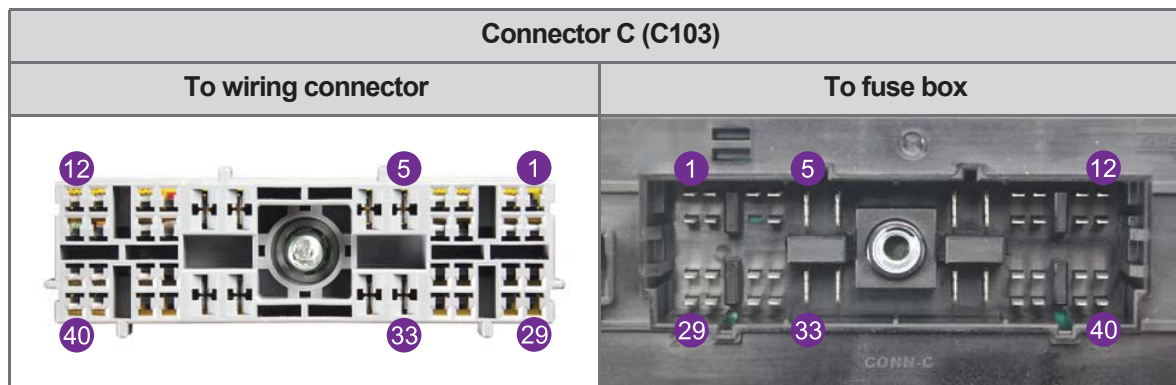
SWITCH

LAMP

WIPER  
AND

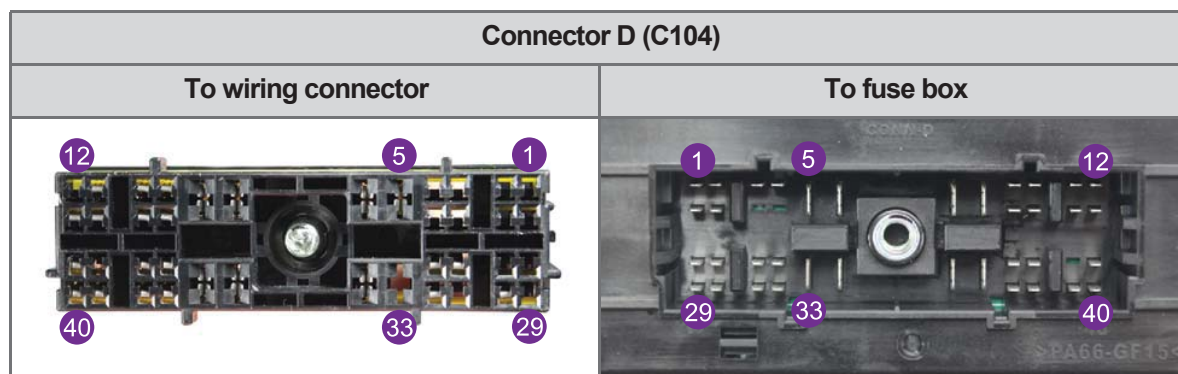
PAS

AUDIO  
SYSTEM



| Pin No. | Functions                                                                            |
|---------|--------------------------------------------------------------------------------------|
| 31      | Rear RH combination lamp (stop lamp)<br>(VSM) (Pin 2)                                |
| 32      | LH Headlamp (High) (VSM)<br>(Pin 2)                                                  |
| 33      | IGN S/W (Pin 2)<br>ICM box (Pin A5)                                                  |
| 34      | Power window main switch (Pin 8)<br>Driver power window motor (Pin 6)<br>(Anti-trap) |
| 35      | Start motor (ST terminal)                                                            |

| Pin No. | Functions                                                         |
|---------|-------------------------------------------------------------------|
| 36      | ABS/ESP unit (Pin 25)                                             |
| 37      | -                                                                 |
| 38      | -                                                                 |
| 39      | DRL unit (Pin 10)<br>BCM (Pin A15)                                |
| 40      | Headlamp high beam (LH)<br>(Pin 2)<br>Instrument cluster (Pin A1) |



| Pin No. | Functions                                                                             |
|---------|---------------------------------------------------------------------------------------|
| 1       | DRL unit(Pin 9)                                                                       |
| 2       | Ground (G101)                                                                         |
| 3       | Headlamp low beam (VSM) (Pin 1)                                                       |
| 4       | Headlamp low beam (RH) (VSM) (Pin 1)                                                  |
| 5       | Interior fuse box (F33 to F36), (F54 ~ F56)                                           |
| 6       | GND (G101)                                                                            |
| 7       | Cooling fan motor (LH) (Pin 2)                                                        |
| 8       | Cooling fan motor (LH) (Pin 1)                                                        |
| 9       | BCM (Pin D15)                                                                         |
| 10      | Front heated wire (Pin 1)<br>Hazard warning lamp & windshield defogger switch (Pin 4) |
| 11      | High beam SIG<br>Multifunction switch (LH) (Pin 6)                                    |
| 12      | -                                                                                     |
| 13      | DRL unit (Pin 12)<br>Instrument cluster (Pin A1)                                      |
| 14      | GND (G101)                                                                            |
| 15      | -                                                                                     |
| 16      | -                                                                                     |
| 17      | Front wiper motor (Pin 3)                                                             |
| 18      | ECU (Pin B37)                                                                         |
| 19      | IGN S/W (Pin 1)                                                                       |
| 20      | BCM (Pin A12)                                                                         |

| Pin No. | Functions                                                                 |
|---------|---------------------------------------------------------------------------|
| 21      | Rear LH/RH combination lamp (Pin 1)                                       |
| 22      | Ignition switch (Pin 4)                                                   |
| 23      | BCM (Pin A25)                                                             |
| 24      | ECU (Pin B51)                                                             |
| 25      | Front wiper motor (Pin 6)                                                 |
| 26      | BCM (Pin D5)                                                              |
| 27      | -                                                                         |
| 28      | GND (G101)                                                                |
| 29      | Ignition switch (Pin 4)                                                   |
| 30      | A/C compressor (Pin 2)                                                    |
| 31      | TGS lever A/T (Pin 3)                                                     |
| 32      | Stop lamp switch (Pin 4)<br>Interior fuse box (No. 29)<br>IGN S/W (Pin 4) |
| 33      | -                                                                         |
| 34      | Rear heated wire (Pin 1)                                                  |
| 35      | Cooling fan motor (RH) (Pin 1)                                            |
| 36      | Blower motor (Pin 1)                                                      |
| 37      | Front wiper motor (Pin 5)                                                 |
| 38      | Front wiper motor (Pin 4)<br>GND (G101)                                   |
| 39      | ECU (Pin 43)                                                              |
| 40      | Engine compartment fuse box (Pin D19)                                     |

|                    |  |
|--------------------|--|
| Modification basis |  |
| Application basis  |  |
| Approved by        |  |

FUSE

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