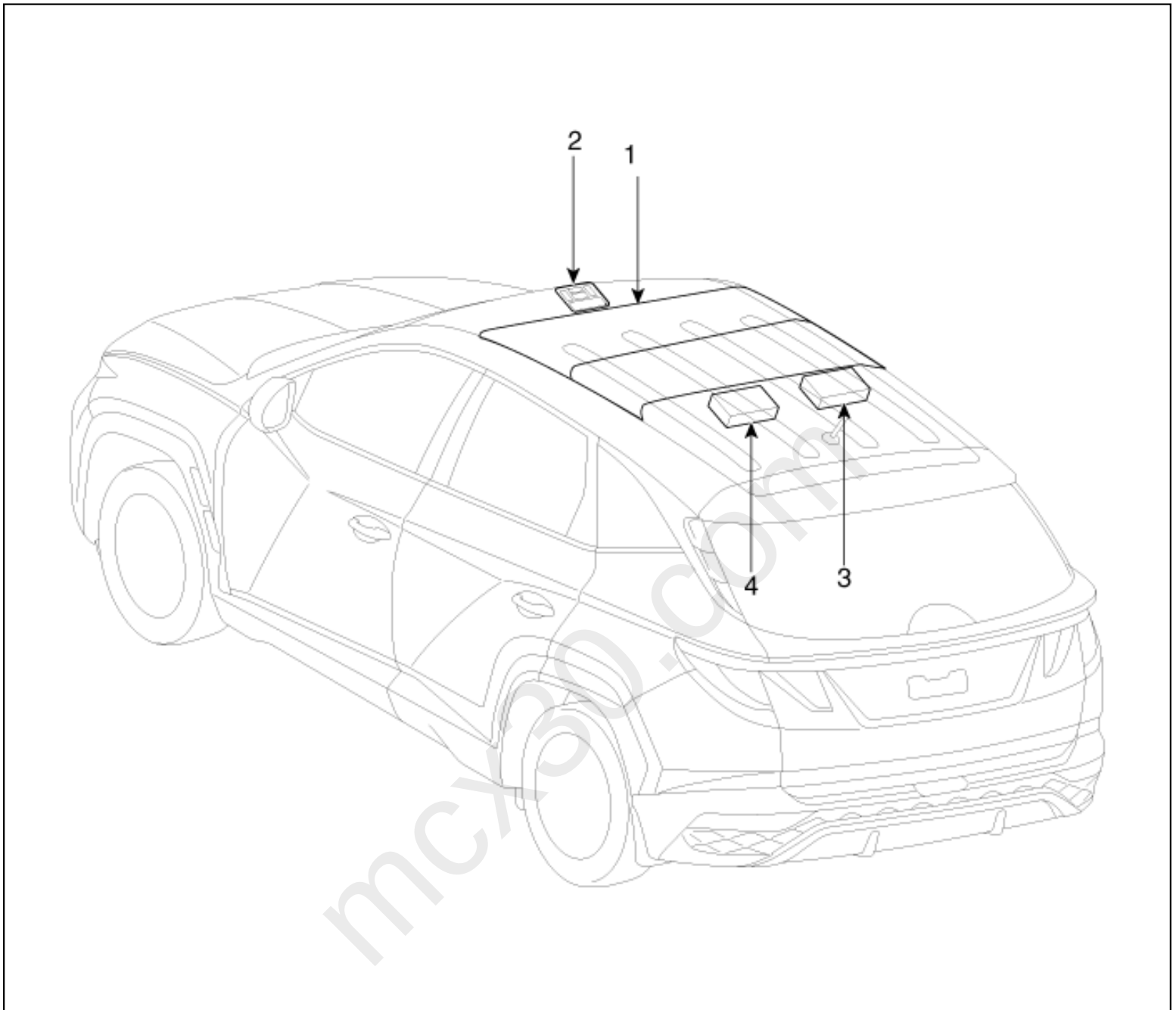


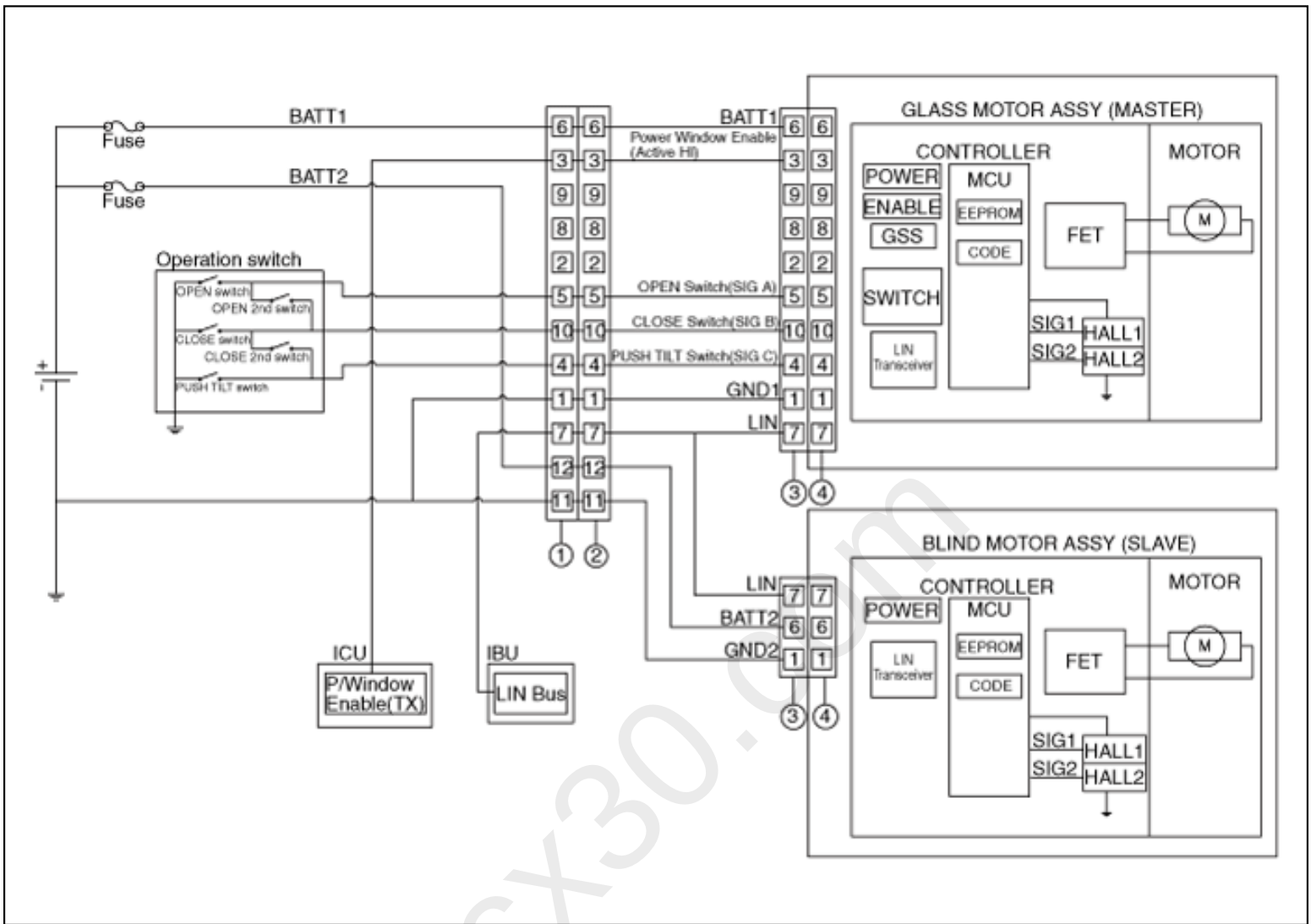
Component  
Location



- 1. Panorama sunroof
- 2. Panorama sunroof switch

- 3. Panorama sunroof motor & Controller
- 4. Roller blind motor & Slave controller

# Circuit Diagram



## Connector Pin Information

|        | Wiring Harness Connector | Panorama Motor      | Blind Motor |
|--------|--------------------------|---------------------|-------------|
| Pin NO |                          |                     |             |
| 1      | Ground 1                 | Ground 1            | Ground 2    |
| 2      | -                        | -                   | -           |
| 3      | Power Window Enable      | Power Window Enable | -           |
| 4      | Tilt Up Switch           | Tilt Up Switch      | -           |
| 5      | Open Switch              | Open Switch         | -           |

|    |               |               |               |
|----|---------------|---------------|---------------|
| 6  | Battery 1 (+) | Battery 1 (+) | Battery 2 (+) |
| 7  | LIN           | LIN           | LIN           |
| 8  | -             | -             | -             |
| 9  | -             | -             | -             |
| 10 | Close Switch  | Close Switch  | -             |
| 11 | Ground 2      |               |               |
| 12 | Battery 2 (+) |               |               |

Circuit  
Diagram



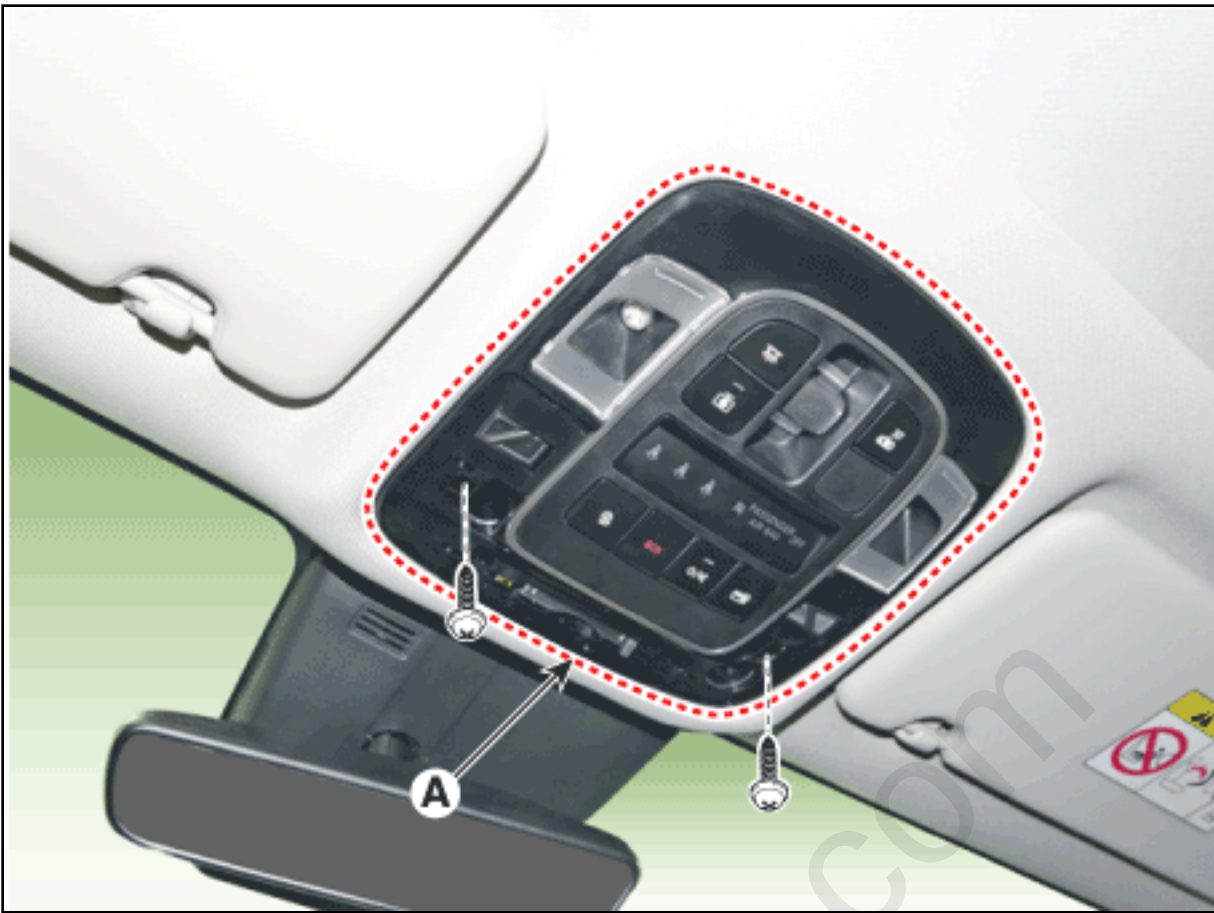
mcx30.com

## Removal

1. Disconnect the negative (-) battery terminal.
2. Remove the overhead console cover (A).



3. Remove the mounting screws and then remove the overhead console (A).



4. Remove the overhead console after disconnect the connector (A).



5. Remove the overhead console lamp assembly then check for continuity between terminals. If the continuity is not as specified, replace the map lamp switch.



#### Installation

1. Install the overhead console lamp after connecting the connector.
2. Connect the negative (-) battery terminal.

## Replacement

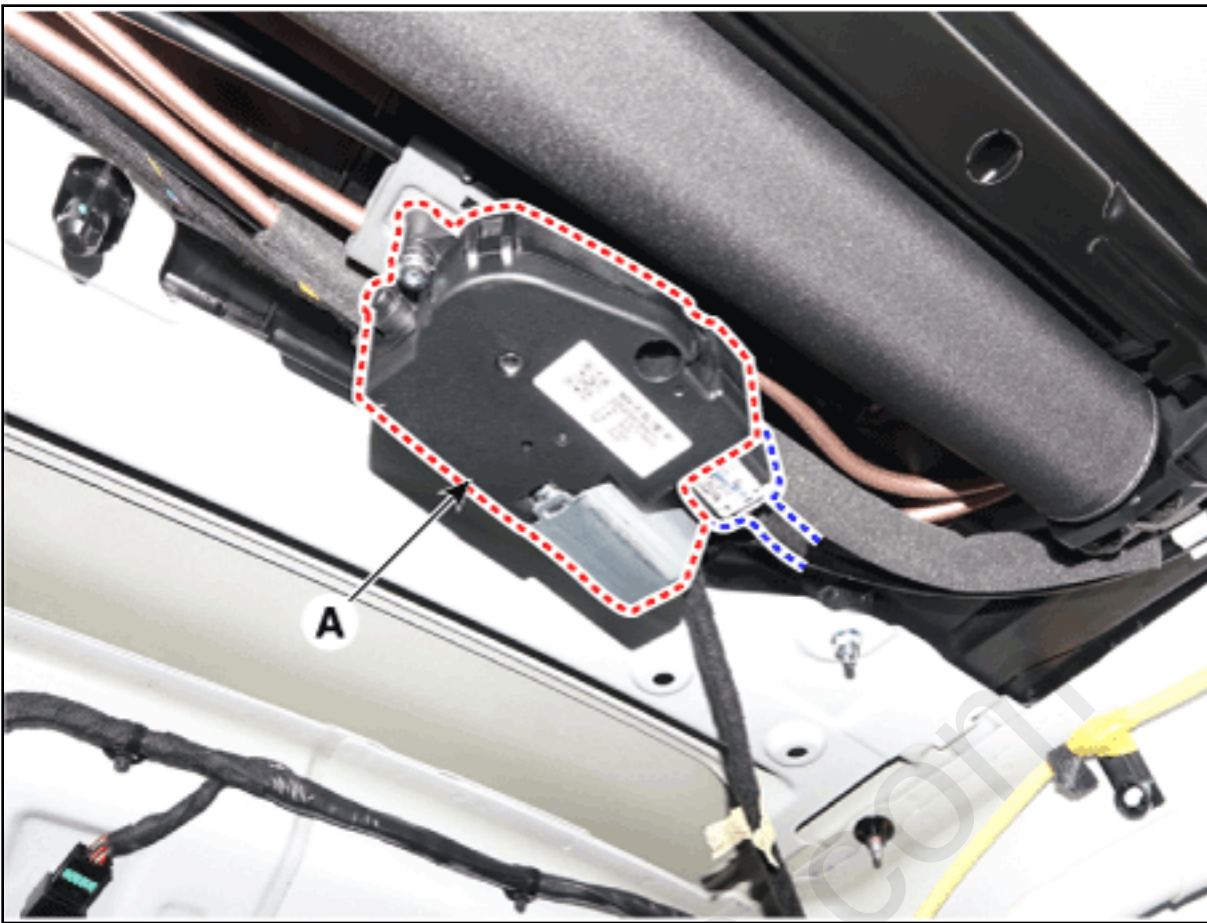
1. Disconnect the negative (-) battery terminal.
2. Remove the roof trim assembly.  
**(Refer to Body - "Roof Trim Assembly")**
3. Loosen the mounting bolts, disconnect the connector and remove the sunroof motor (A).

[Glass Motor]



4. Loosen the mounting bolts, disconnect the connector and remove the blind motor (A).

[Roller Blind Motor]



## Adjustment

### Resetting The Panoramaroof

Whenever the vehicle battery is disconnected or discharged, or you use the emergency handle to operate the panoramaroof, you have to reset your panoramaroof system as follows :



You need to reset the sunroof motor to its default settings for the following cases :

- The sunroof motor loses battery power temporarily because the battery or fuse is replaced or the battery has died.
- The automatic opening or closing of the sunroof, a one-touch feature, does not function properly.
- The sunroof reopens during automatic closing even if there is no object caught in the sunroof (safety feature)

1. Turn the ignition key to the ON position and then close the panoramaroof completely.
2. Release the panoramaroof control lever.
3. Press and hold the CLOSE button for more than 10 seconds until the sunroof has moved slightly.
4. Release the panoramaroof control lever.

5. Press and hold the CLOSE button once again within 5 seconds until the panorama sunroof do as follows ;
  - Blind open and glass open → Glass close → Blind close  
Then release the lever.
6. Reset procedure of panorama system is finished.

#### Protecting The Overheated Motor

In order to protect the overheated panoramaroof motor by continuous motor operation, the panoramaroof ECU controls the Run-time and Cool-time of motor as followings;.

1. The panoramaroof ECU detects the Run- time of motor
2. Motor can be operated continuously for the 1st Run-time( $120 \pm 10\text{sec.}$ ).
3. Motor which is operated continuously stops operating after the 1st Run-time( $120 \pm 10\text{sec.}$ ).
4. And then Motor is not operated for the 1st Cool-time( $18 \pm 2\text{sec.}$ ).
5. Motor is operated for the 2nd Run-time( $10 \pm 2\text{sec.}$ ) at the continued motor operation after 1st Cool-time( $18 \pm 2\text{sec.}$ )
6. Motor which is operated continuously stops operating after the 2nd Run-time( $10 \pm 2\text{sec.}$ )
7. Motor is not operated for the 2nd Cool-time( $18 \pm 2\text{sec.}$ ).
8. Motor repeats the 2nd Run-time and 2nd Cool-time at the continued motor operation.
  - In case that motor is not operated continuously, the Run-time which is limited for protecting the overheated motor is increased.
  - The Run-Time of motor is initialized to "0" if the battery or fuse is reconnected after being disconnected, discharged or blown.



T1 :  $120 \pm 10 \text{ sec.}$ , T2 :  $18 \pm 2 \text{ sec.}$

T3 :  $10 \pm 2 \text{ sec.}$ , T4 :  $18 \pm 2 \text{ sec.}$