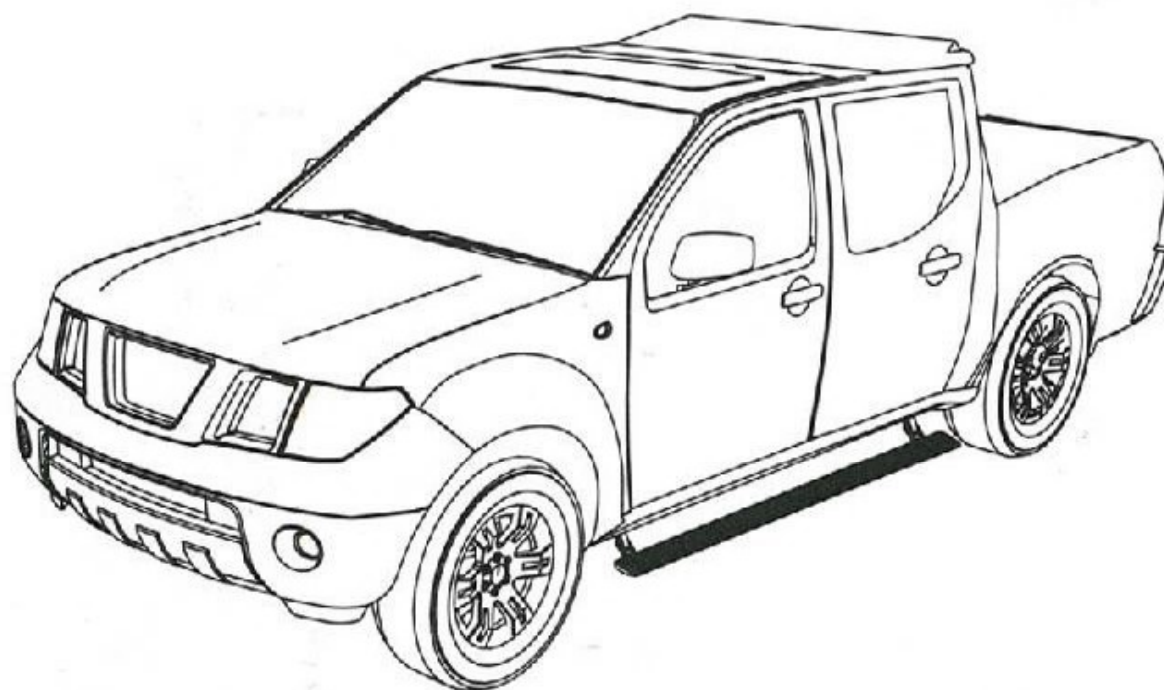
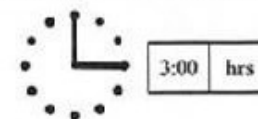


NISSAN NP300 POWER BOARD

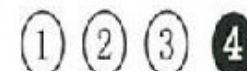


NISSAN NAVARA NP300

INSTALLATION TIME



SKILL LEVEL



4=Experienced

APPLICATION: NISSAN NAVARA NP300 2015 **CE**

PART: PST05-1710
PST05-1730

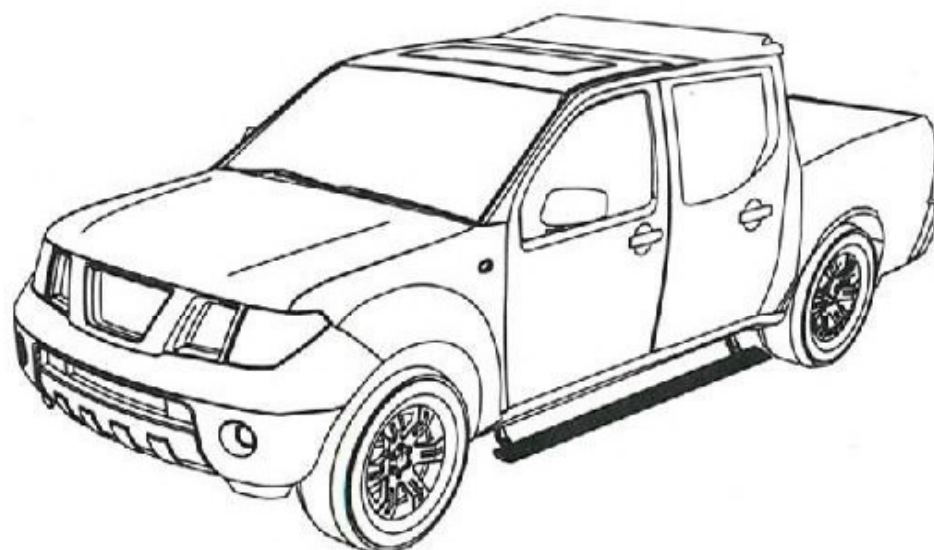
TOOLS REQUIRED:

- ① 5 mm hex key wrench (allen wrench)
- ② 13mm socket
- ③ Pry
- ④ Wire stripper/cutter
- ⑤ Vinyl tape
- ⑥ Screwdriver

jhp new vehicle
enhancements

PST1606-B

Contents



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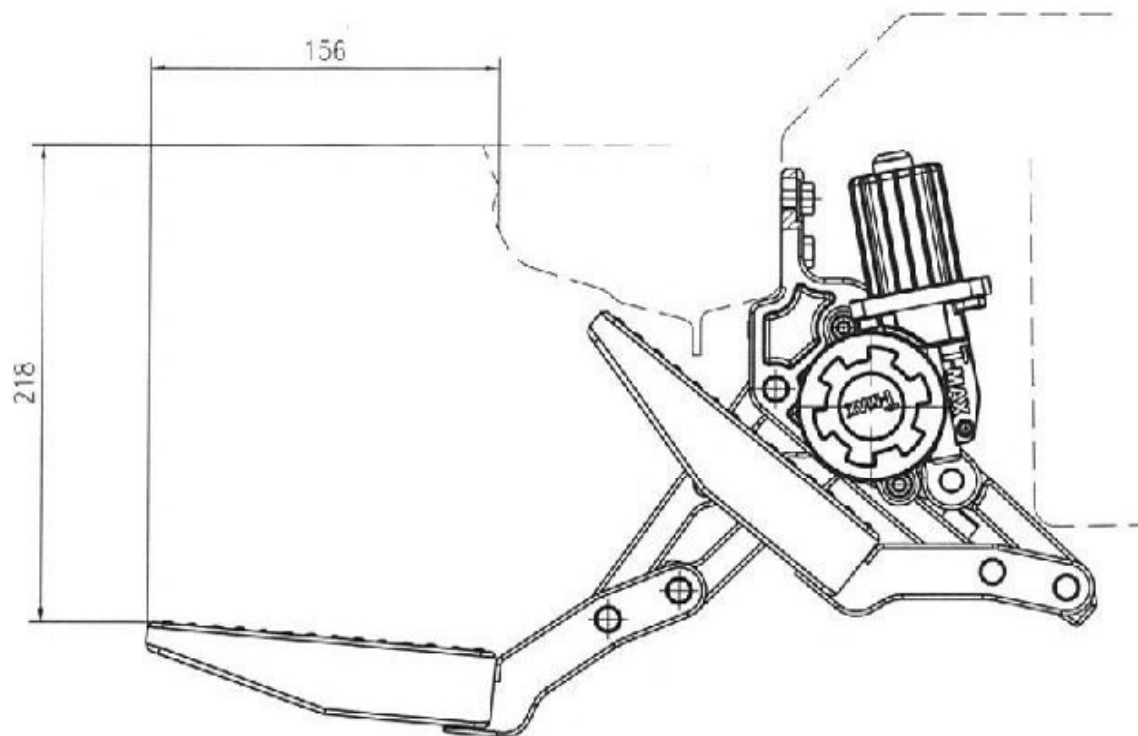
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Product Technical Specifications



Rated voltage: 12V

Rated load: $\leq 300\text{kg}$

Length: 1.86m

Gross weight: 22kg

Forward extension size: 156mm

(Horizontal distance between the edge of power board and the vehicle door when the board extends)

Step falling dimension: 218mm

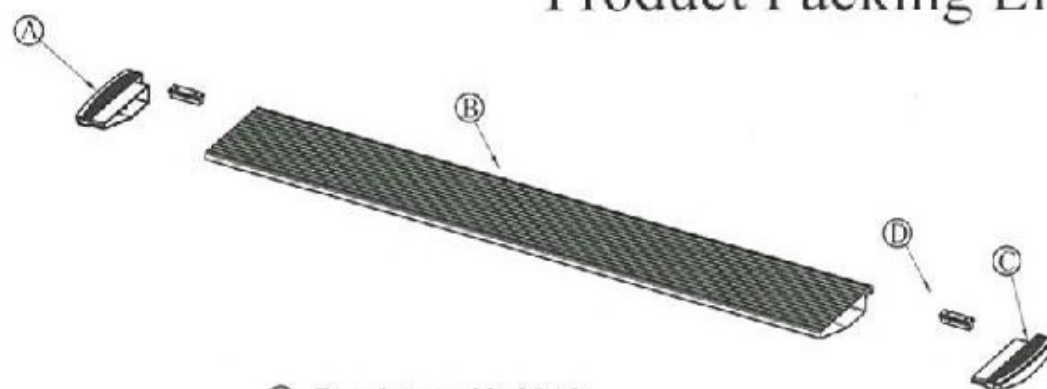
(Vertical height difference between the edge of power board and the vehicle door while board extending.)

(Both dimensions of forward and falling are theoretical, which may vary due to uncertainties such as installation error, manufacturing errors of vehicle bottom and etc.)

Note: Impact load is not allowed.

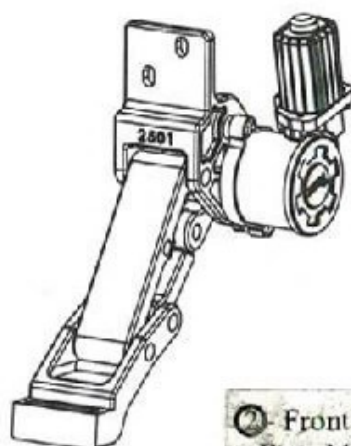
Please make sure the children and the aged will keep 20cm safe distance while power board is working to avoid any bumped or jammed.

Product Packing List



| | | | |
|-----|-------------|-----------------|------|
| (A) | 6126100.3-4 | End cap left B | (×1) |
| (B) | 6125100.2-1 | Board 25 | (×1) |
| (C) | 6126100.3-1 | End cap right B | (×1) |
| (D) | 6126100.3-3 | T-nut | (×2) |

① - Board Assembly 25 × 2
6125100.3



② - Front Motor Linkage Left 25 × 1
Rear Motor Linkage Right 25 × 1
6125100.1L



③ - Rear Motor Linkage Left 25 × 1
Front Motor Linkage Right 25 × 1
6125100.1R

NISSAN NAVARA NP300

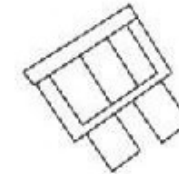
E-BOARD



④-Hexagon Flange nut ×8
GB/T6177.1-2000 M8



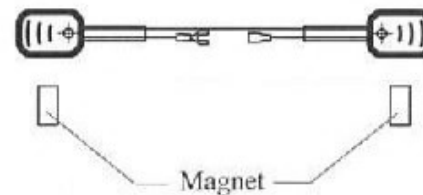
⑤-Socket Cap Bolt ×8
GB/T70.1-2000 M6×20



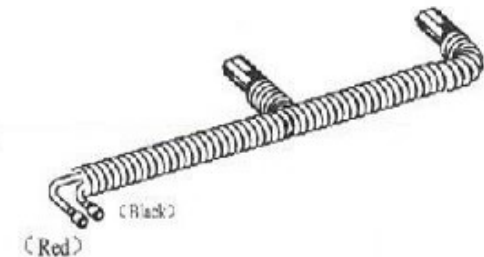
⑥-25A Fuse ×2



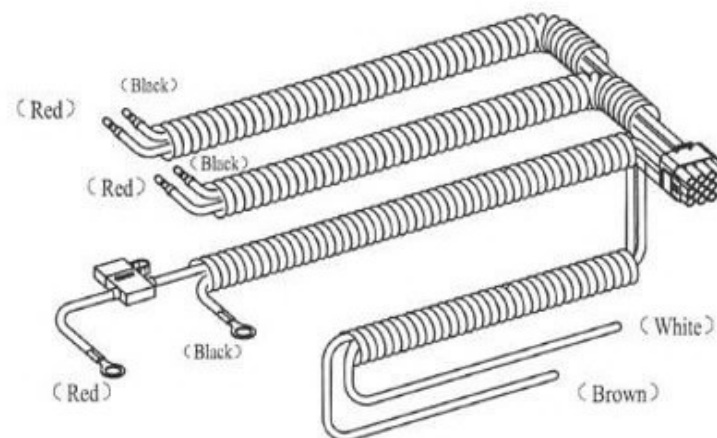
⑦-Cable Tie ×25
GB/T22344-2008 5×300



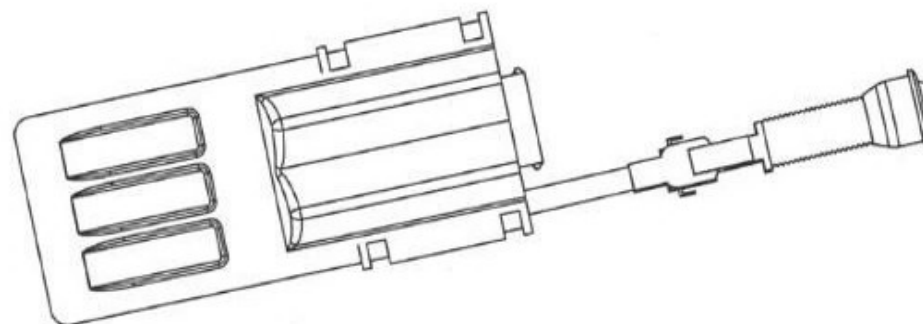
⑧-Magnetic Inductor ×2
Magnet ×4



⑨-Motor Connection Cable 25×2
6125102.4.3

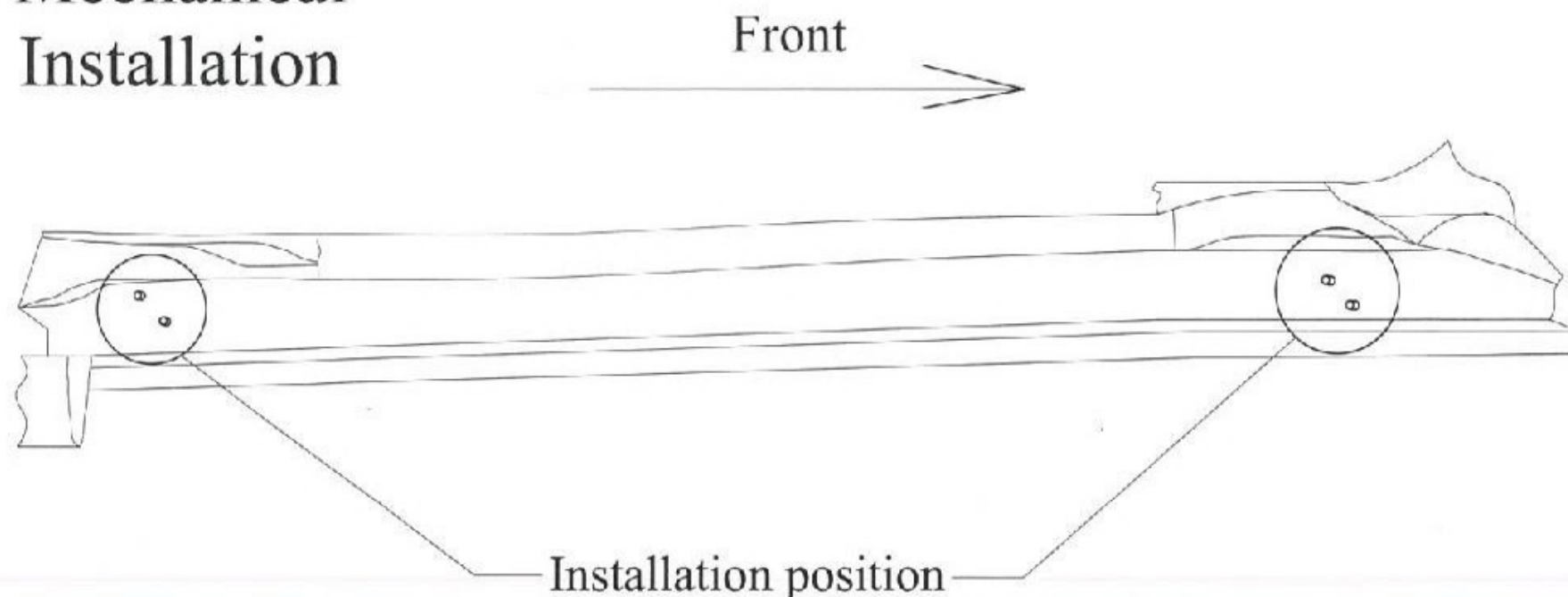


⑩-Control Input Cable 25×1
6125100.4.1



⑪-Controller Assembly 25×1
6125100.4.6

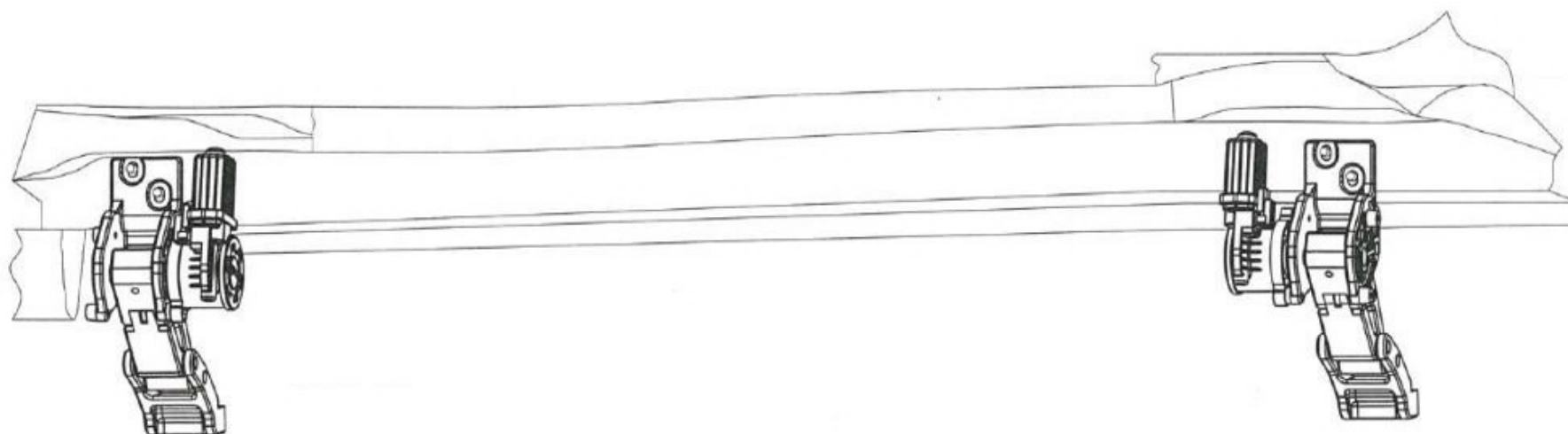
Mechanical Installation

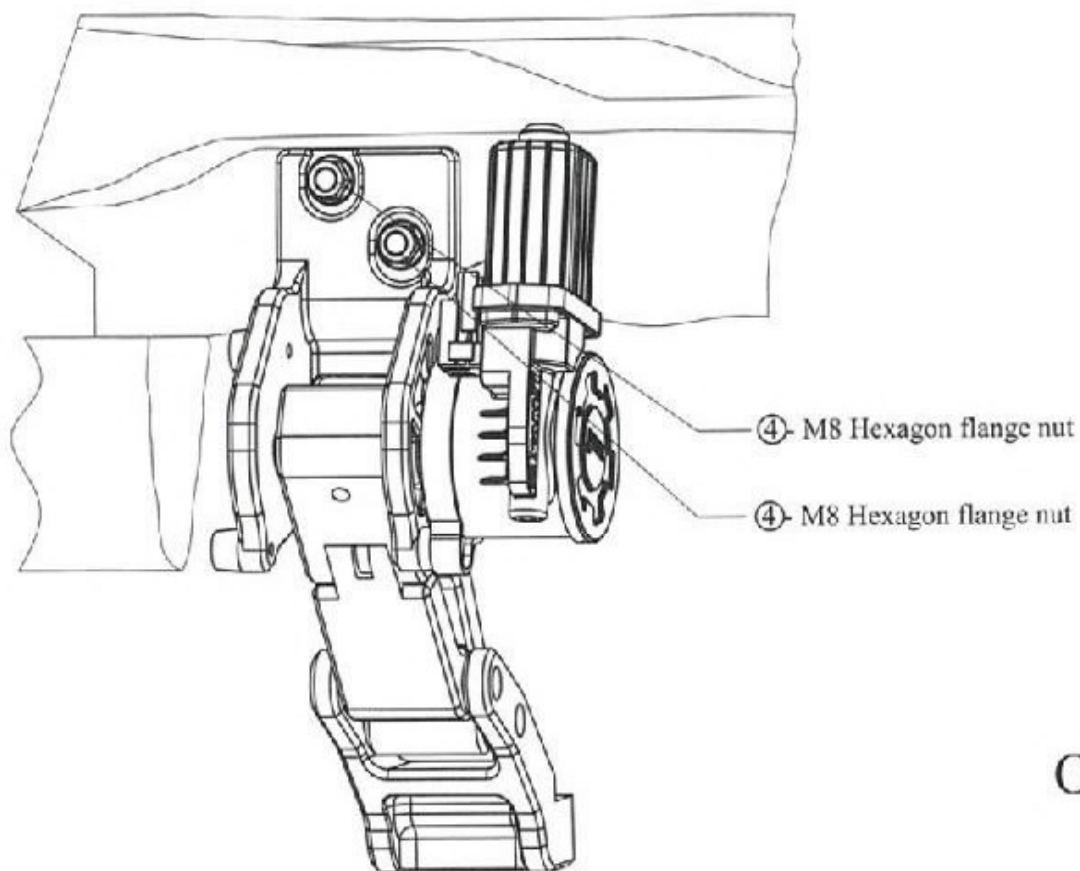


Installation position
on the Left

As shown in the picture: The installation screw of
motor linkage should be matched with the original
board fixing hole on the vehicle.

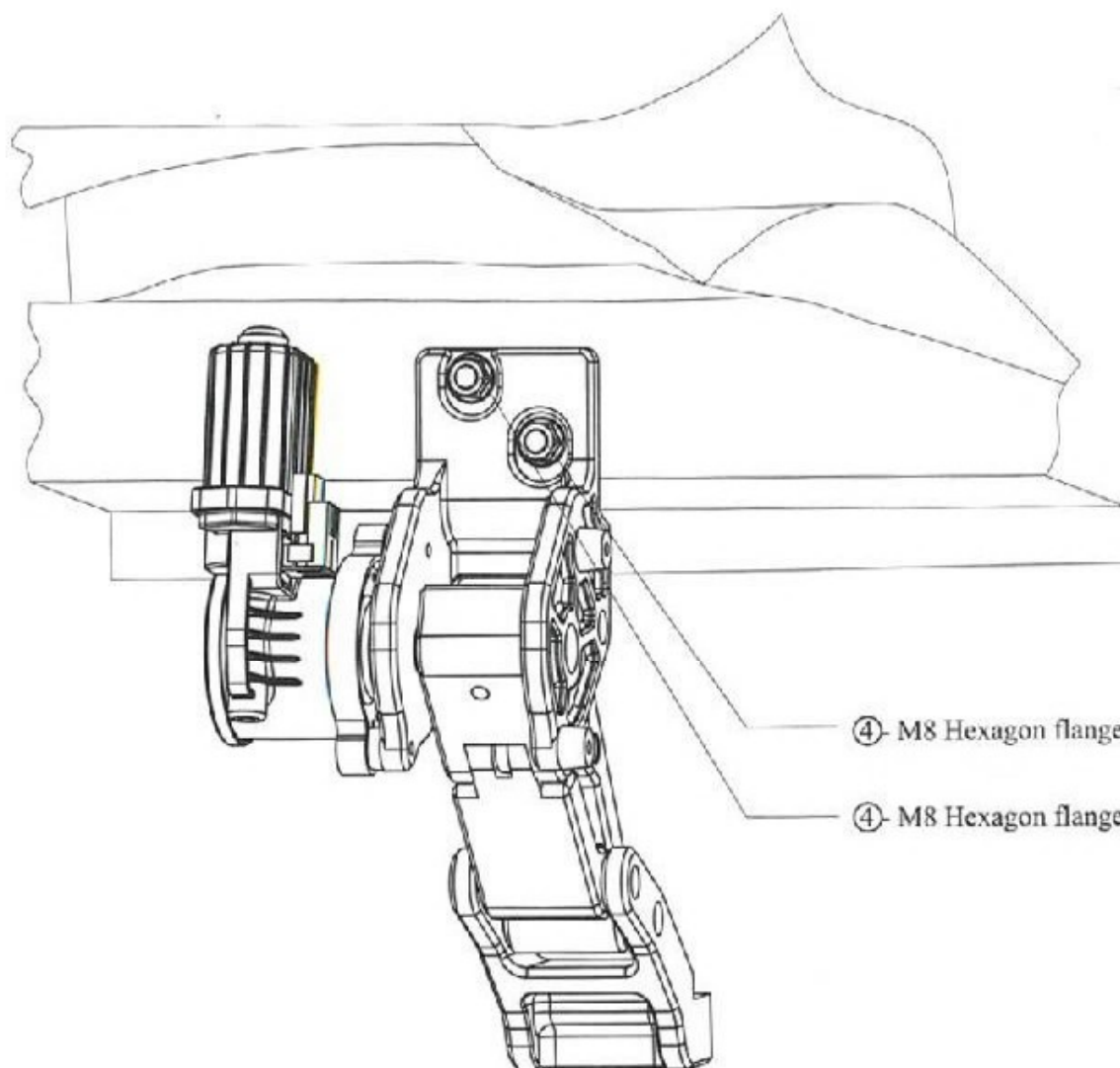
Front





Step 1: As shown in the picture, screw the hexagon flange nut onto the corresponding position and pre-tighten it. Tighten the above hexagon flange nut .
(Tightening torque 30Nm)

On the rear left side

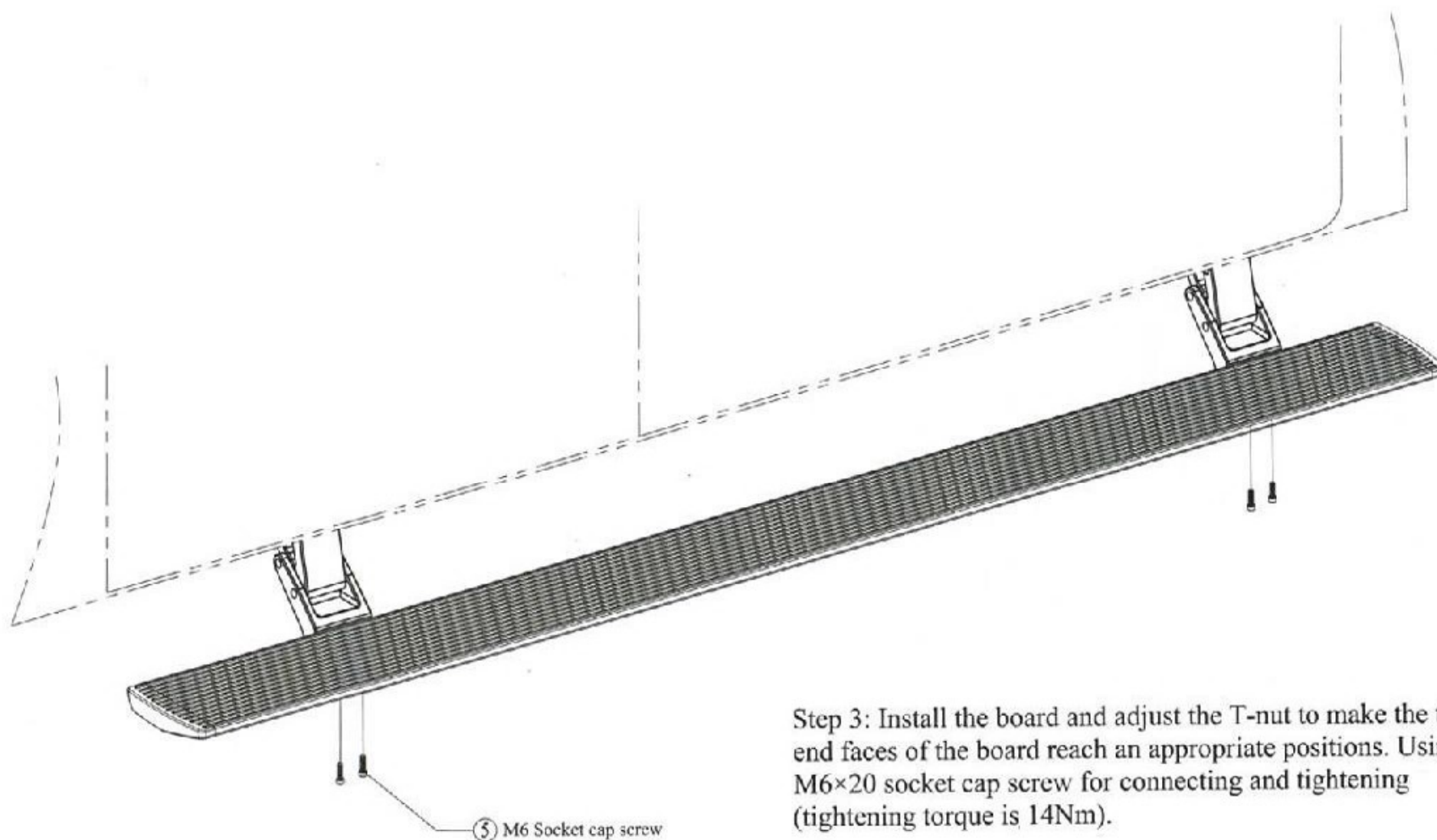


Step 2: As shown in the picture, screw the hexagon flange nut onto the corresponding position and pre-tighten it. Tighten the above hexagon flange nut .
(Tightening torque 30Nm)

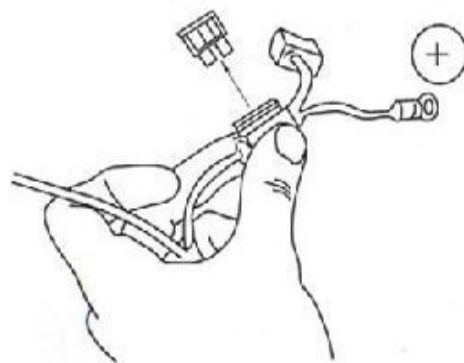
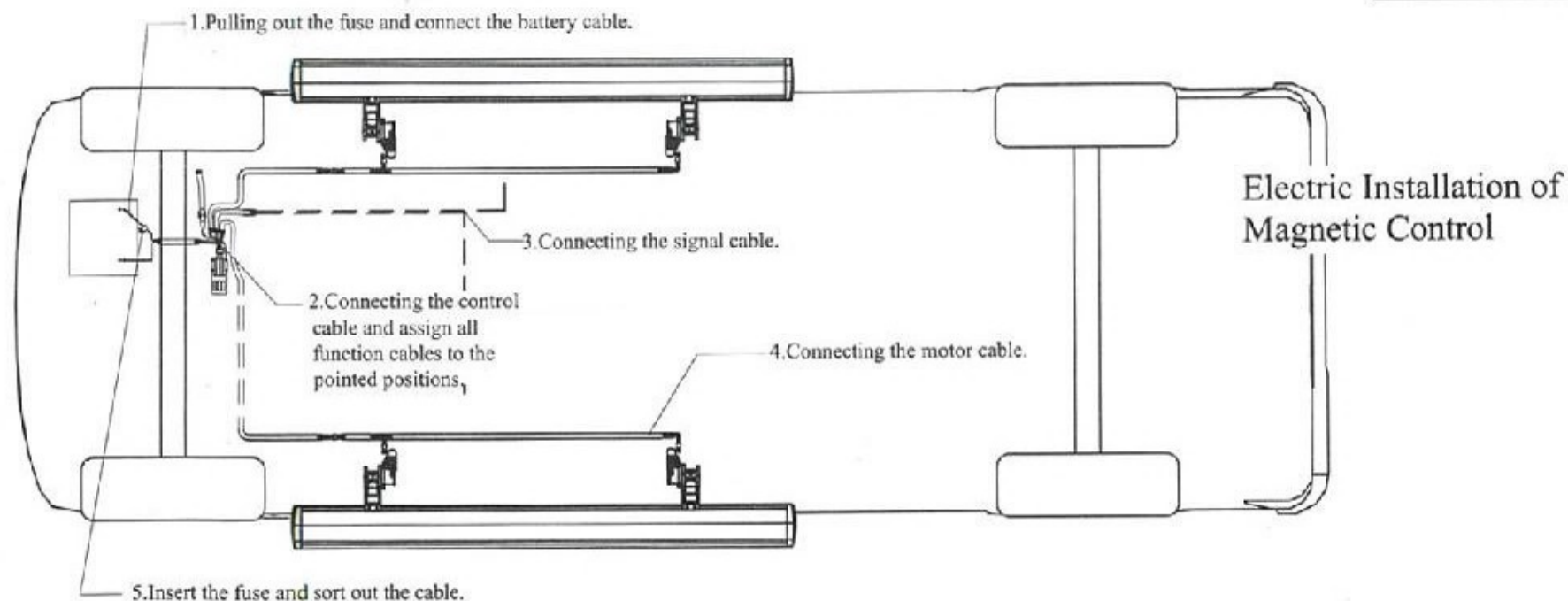
④ M8 Hexagon flange nut

④ M8 Hexagon flange nut

On the front left side



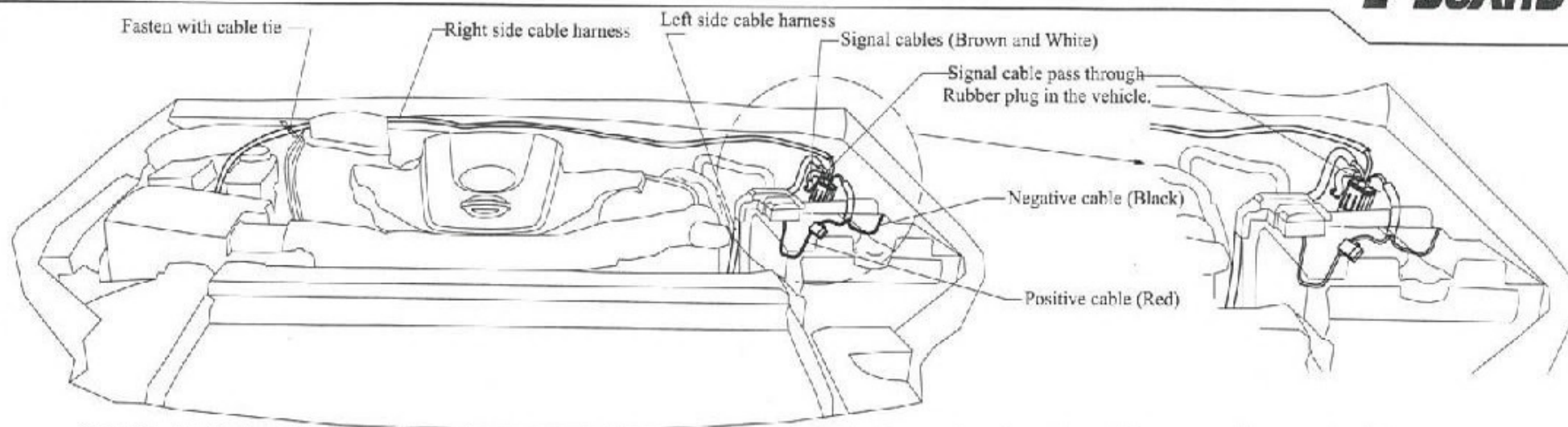
Step 3: Install the board and adjust the T-nut to make the two end faces of the board reach an appropriate positions. Using M6×20 socket cap screw for connecting and tightening (tightening torque is 14Nm).



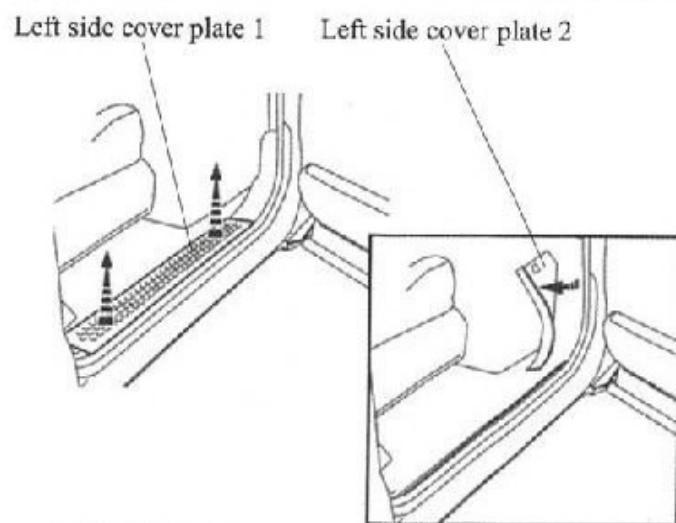
Step 4: Find the control input cable ⑩, pull out the fuse (ensuring the safety during installation) and connect the positive cable to the positive vehicle battery and connect the negative cable to the negative vehicle battery.

NISSAN NAVARA NP300

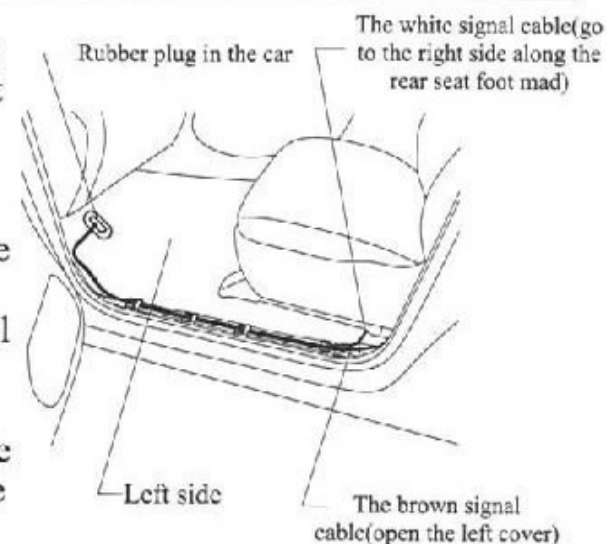
E-BOARD



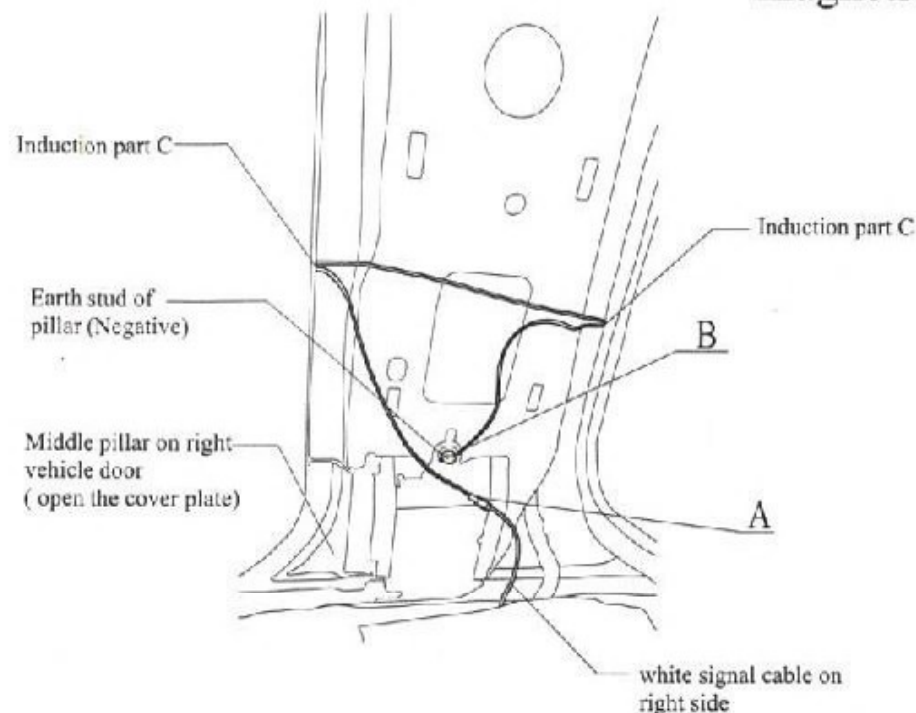
Step 5: As shown in the picture, fasten controller assembly by cable tie, and assign the cables according to the label. Motor Input cable pass through the vehicle floor to the vehicle bottom, and motor connection cable pass through the rubber plug in the engine compartment (at left side of vehicle) to the vehicle bottom, fix the cable harness on the vehicle by cable tie.



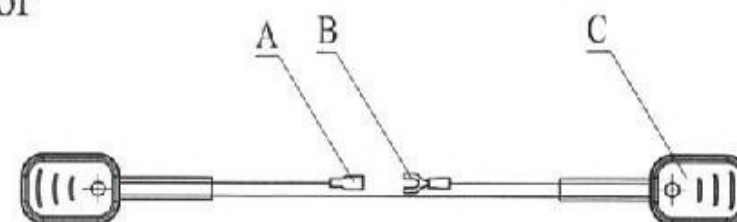
Step 6 : Signal Cable Connection: Pry the cover of front, rear and middle pillar at left side, show as the left picture 1 & 2. Open the foot pad at left side, show as the right picture. The white and brown signal cable pass through the left side rubber plug in the engine room to the vehicle (please drill a hole on the rubber plug.). The brown signal cable pass through the left side cover 1 to the middle pillar at the left side, and the white signal cable pass through the left side cover 1 and rear seat foot pad to the middle pillar at right side.



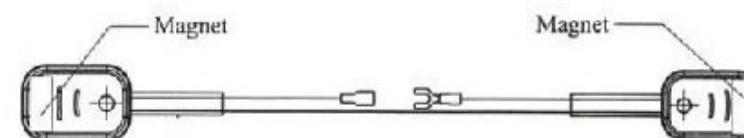
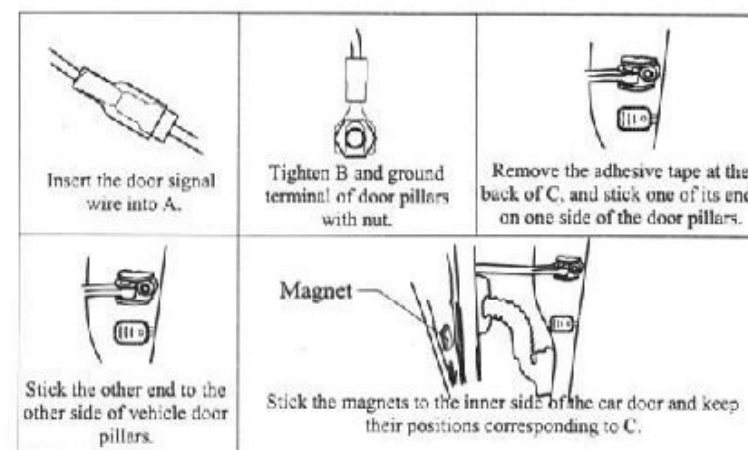
Introduction of magnetic inductor



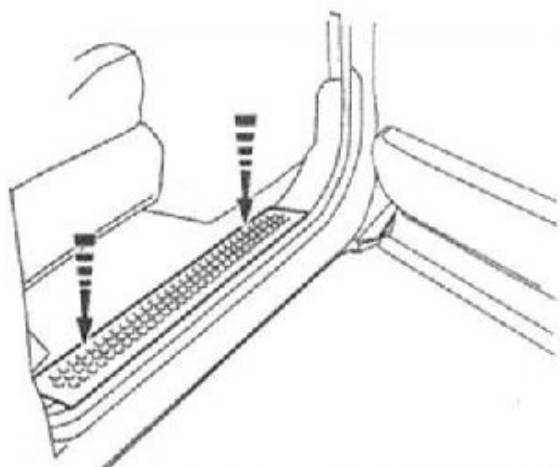
Step 7: Open the cover plate of middle pillar of passenger side vehicle door, expose the above part (as shown above), connect the white signal cable to terminal A, loosen the earth stud of middle pillar of vehicle (ensure there is no oil paint interface of stud and pillar), connect terminal B to the earth stud, and then tighten the earth stud. Stick the induction part C to the both side of pillar (shown above picture), stick the magnet on the inside of vehicle door which is corresponding with induction part. The connection of driver side brown signal cable and cable harness induction are same as the installation of the passenger side.



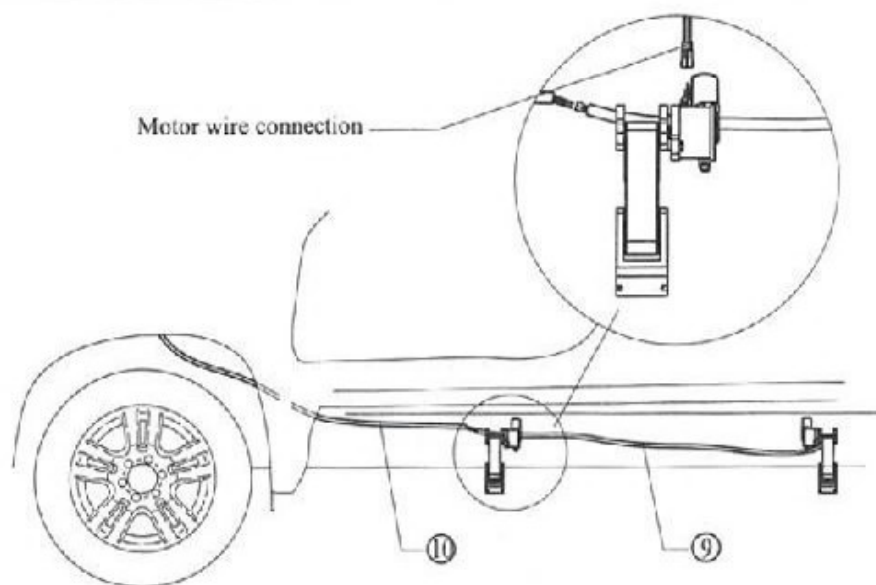
Wire harness induction



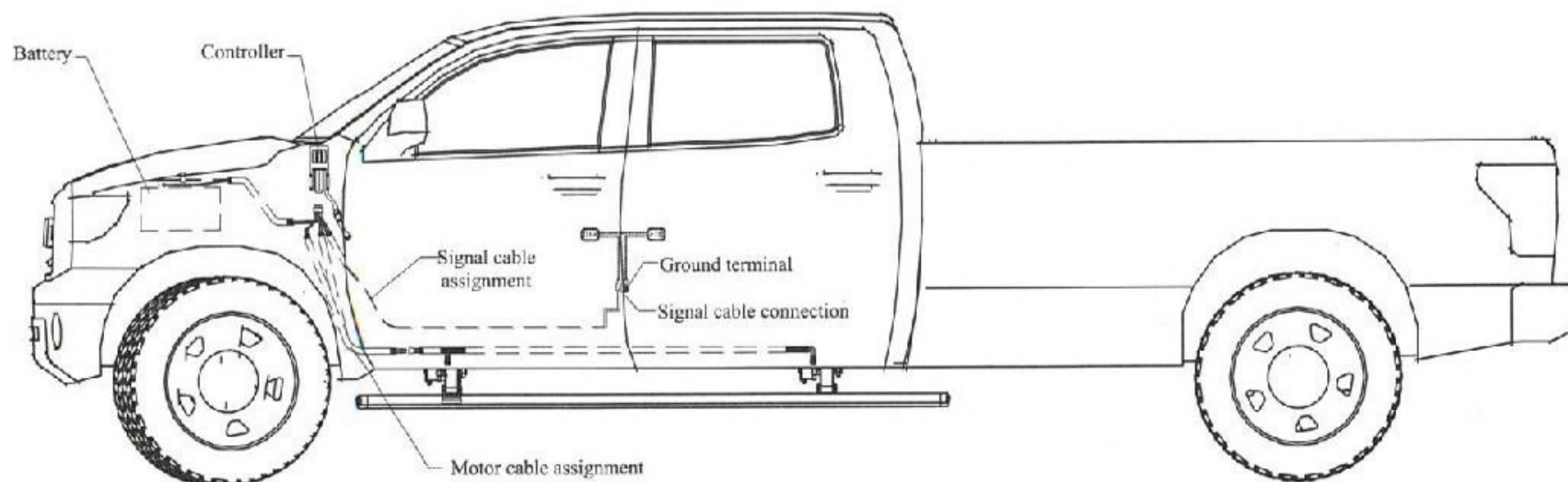
Instruction: When close the door, the magnet corresponding position is as shown in picture.



Step 8: Assign the cable in order and close the cover plate.



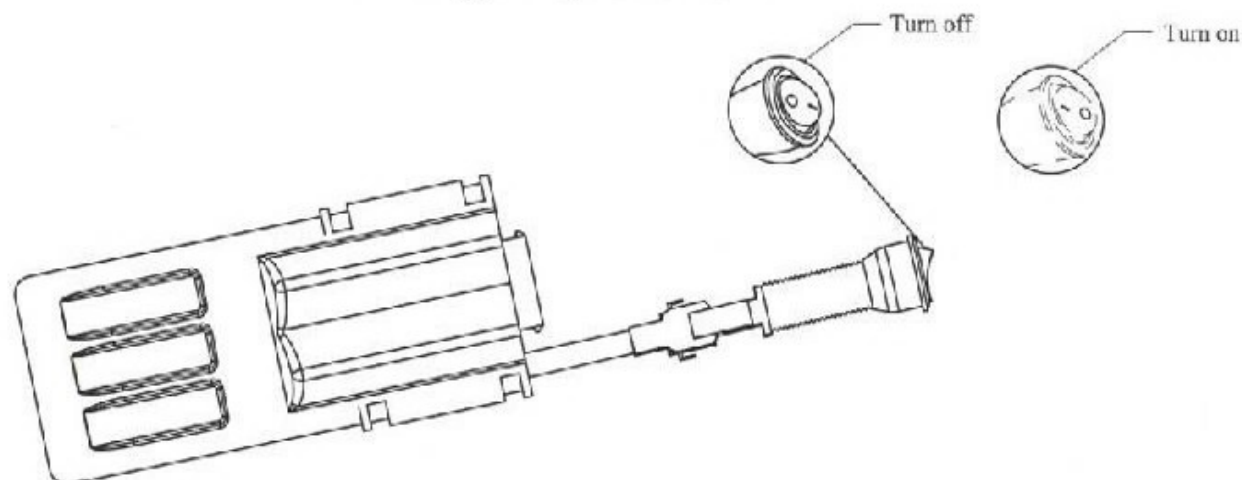
Step 9: Motor cable connection, connecting ⑨ motor connection cable with ⑩ control input cable and assign the cable along the vehicle beam. Note that the same color cable should be connected together. Fasten the cable on the vehicle beam by cable tie. Same cable installation is for the other side.



Step 10: Insert back the fuse, assign the cable in order. Check if all the cables are connected well and test if the power board can work normally. If it can work normally, the board installation is OK. (If it cannot work normally, please check the installation of each part.)

Summary of electric part

Instructions of Emergency Switch



I. Function of emergency switch

Press the red switch button in case of any emergency or product failure to protect vehicle will not damage under these condition. Both boards will go back automatically while the emergency switch button is turned on.

II. The using condition of emergency switch:

1. Product failure;
2. User needs steps not work while the road / off-road situation is tough.
3. Please do not use power board if motor linkage or control cable is damaged.

III. Emergency switch using method:

1. Press emergency switch button, and the emergency switch is "on". And at the same time, the steps will automatically go back and stop working. In case of product failure, please contact with after-sales service.
2. Press the emergency switch button again, and the emergency switch is "off". And at the same time, the power board will return to its normal working status.
3. The original status of emergency switch is "off".

Maintenance

| | |
|--------------------------------------|--|
| 3 months Periodical Inspection | Inspect the normal operation of the mechanism |
| | Inspect damage for each joint of the control cable and the bare part outside of the girder |
| | Inspect screws' looseness of motor and power board |
| Special Case Inspection | Clean sediment on time for power board and its components |
| | Clean ice on time for power board and its components |

Maintenance card

| | | |
|--|---------------------------|---|
| The board couldn't activate when doors open and close | Electrical Malfunction | Fault of wiring the battery |
| | | Fault of wiring door signal |
| | | Fault of controller |
| | | Fault of motor wiring |
| | | Fault of motor |
| | | Inspect the wiring according to the wiring layout when the door control signal failure occurs |
| | Mechanics Malfunction | An object is block the board |
| | | Boards are not mounting symmetrical |

Note: In the use process, you may meet some other unknown trouble. Please contact us timely to feedback the problems, we will solve it for you as soon as possible. Thank you!



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