

## BODY DIMENSIONS

### GENERAL INFORMATION

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Detailed Description for Surface  
Clearance Diagram

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Detailed Description for Surface  
Clearance Diagram

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# دیجیتال خودرو

شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



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## GENERAL INFORMATION

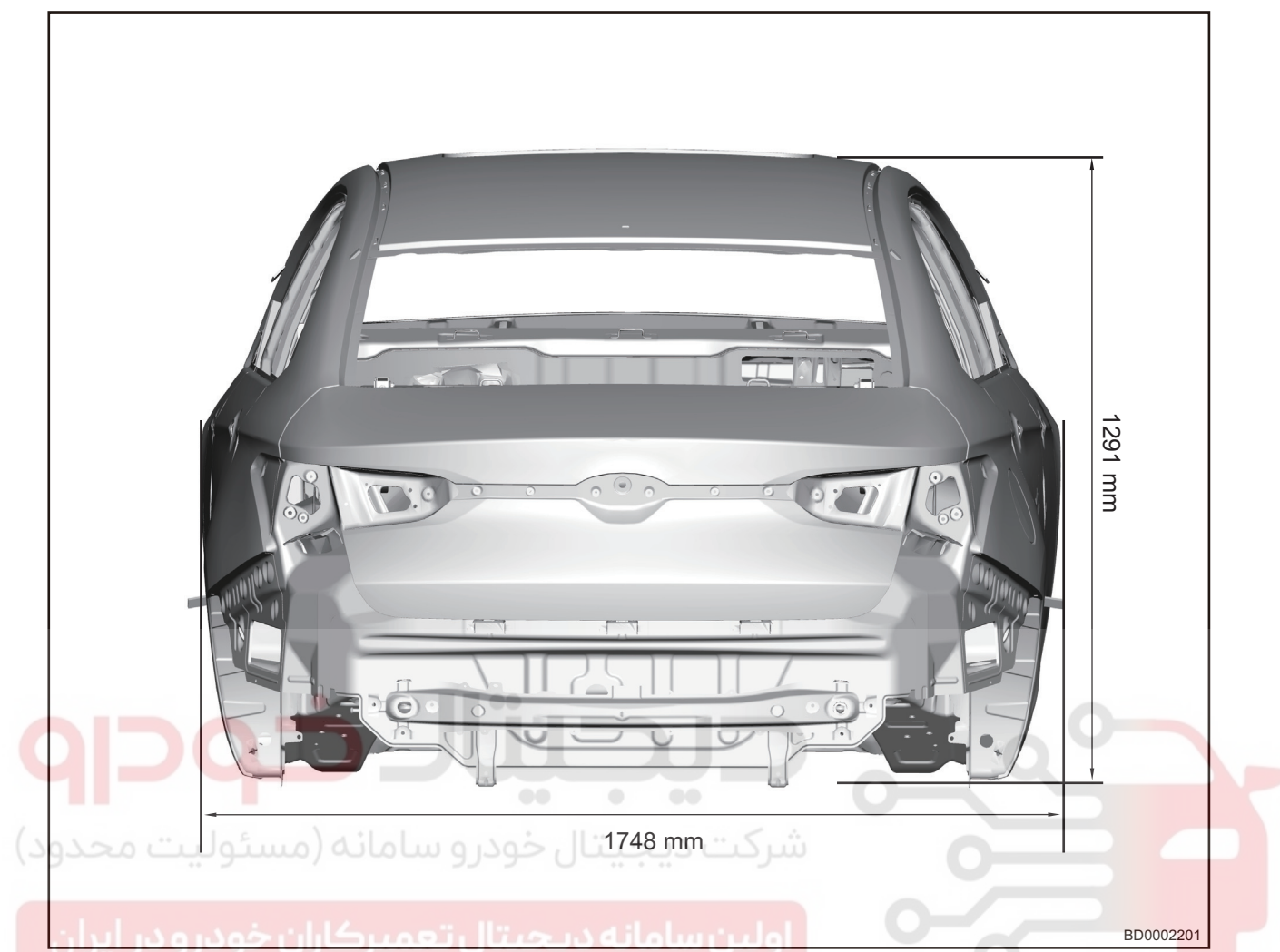
### Overview

### Description

- All measurements should be made from bare metal. Remove trim and bumper covers as necessary.
- Repair badly damaged areas before taking measurements for underbody alignment.
- Monitor upper body structure for excessive stress or movement while making any corrections to underbody structure.
- Remove all necessary glass to prevent breakage.
- All dimensions are shown in millimeters (mm).

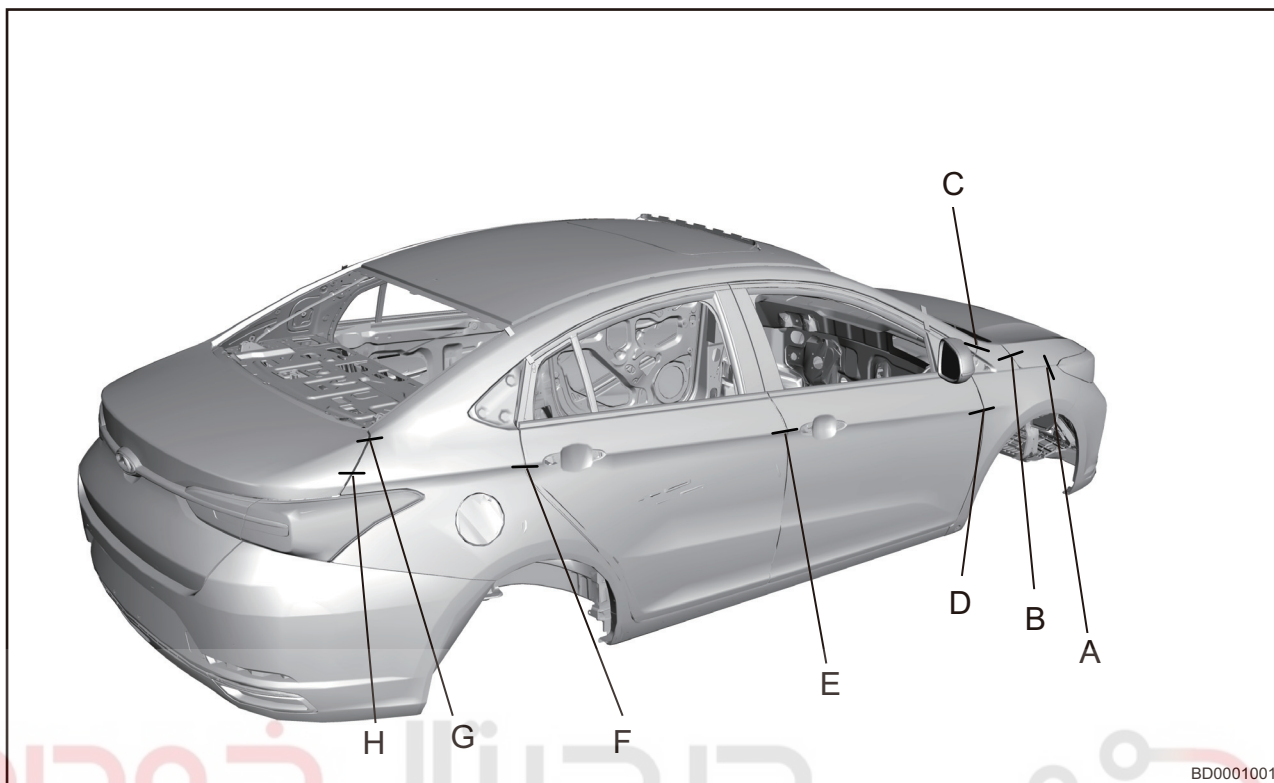
#### 1. Body Dimensions





|        |         |
|--------|---------|
| Length | 4587 mm |
| Width  | 1748 mm |
| Height | 1291 mm |

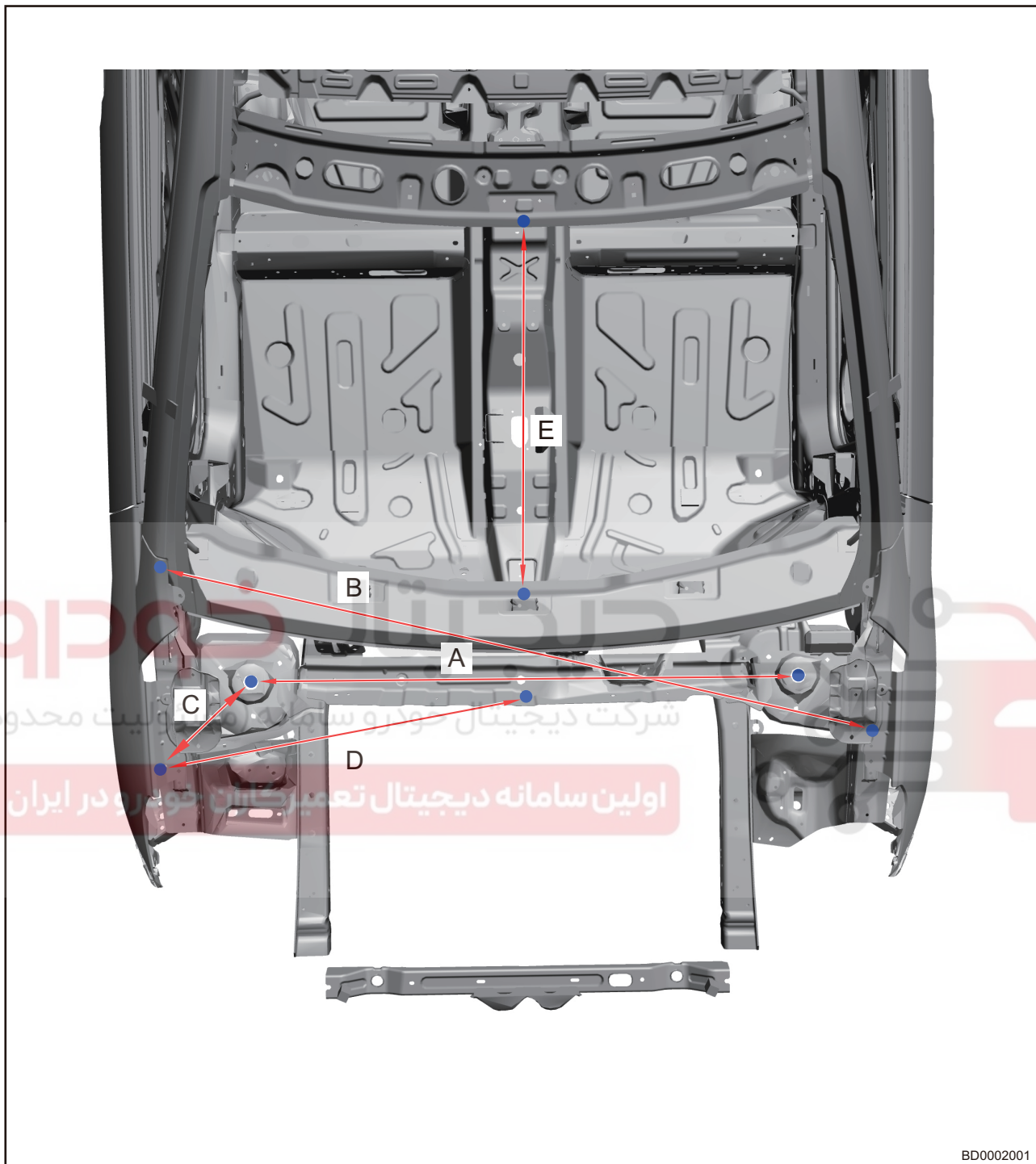
## 2. Dimension of Movable Part



BD0001001

| Dimension Code | Standard Value      | Measuring Area                                          |
|----------------|---------------------|---------------------------------------------------------|
| A              | $4.5 \pm 1.0$       | Clearance between wing and hood                         |
| B              | $3.0 \pm 1.0$       | Clearance between wing and hood                         |
| C              | $3.0 \pm 1.0$       | Clearance between wing and quarter A-pillar outer panel |
| D              | $4.0 (+ 0.4/- 1.0)$ | Clearance between front door and front wing             |
| E              | $4.0 (+ 0.4/- 1.0)$ | Clearance between front door and rear door              |
| F              | $4.0 (+ 0.4/- 1.0)$ | Clearance between rear door and rear wing               |
| H              | $4.0 (+ 0/- 1.4)$   | Clearance between rear wing and quarter                 |
| G              | $4.0 (+ 0/- 1.4)$   | Clearance between rear wing and quarter                 |

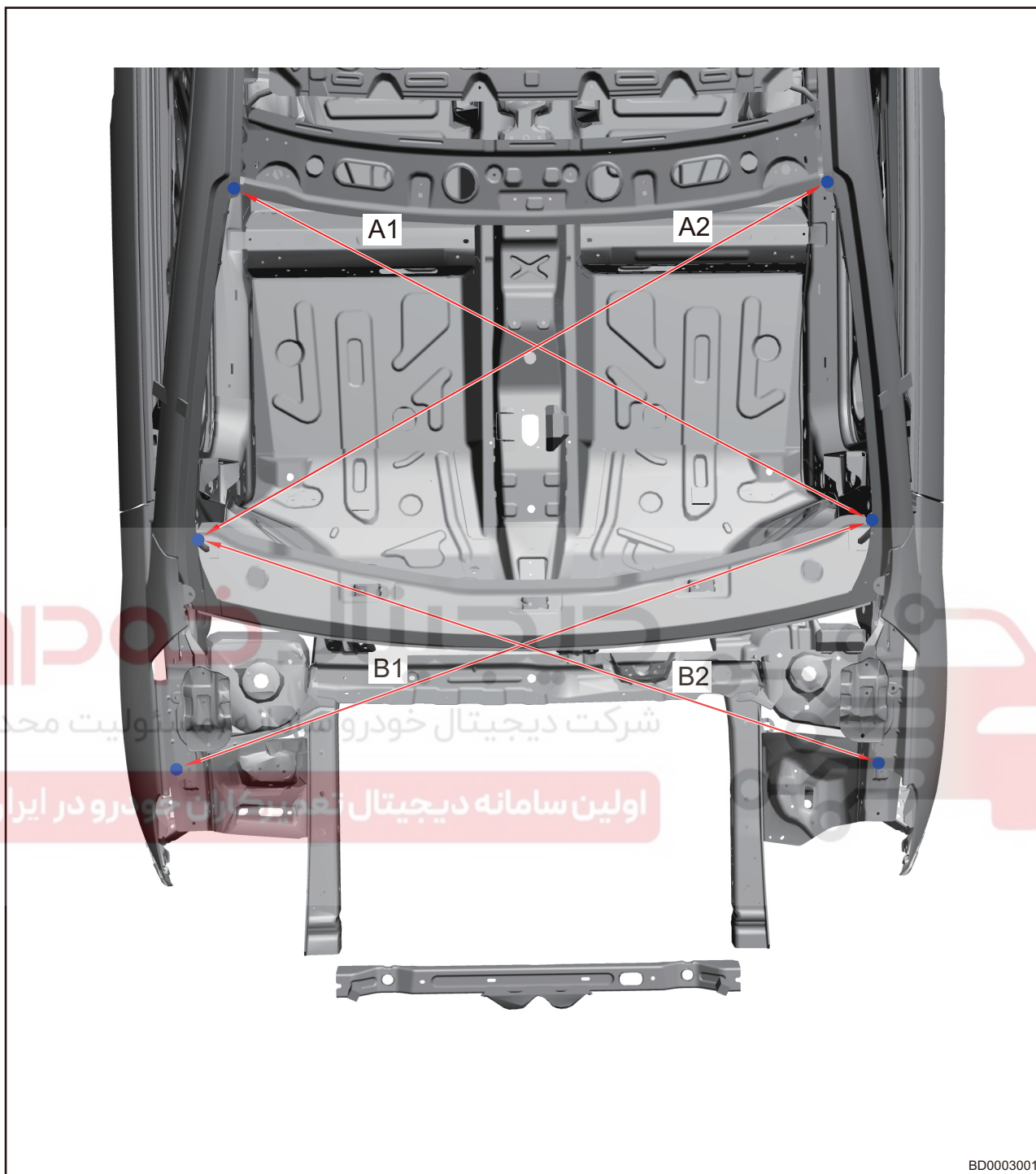
### 3. Dimensions of Engine Compartment and Windshield Frame



BD0002001

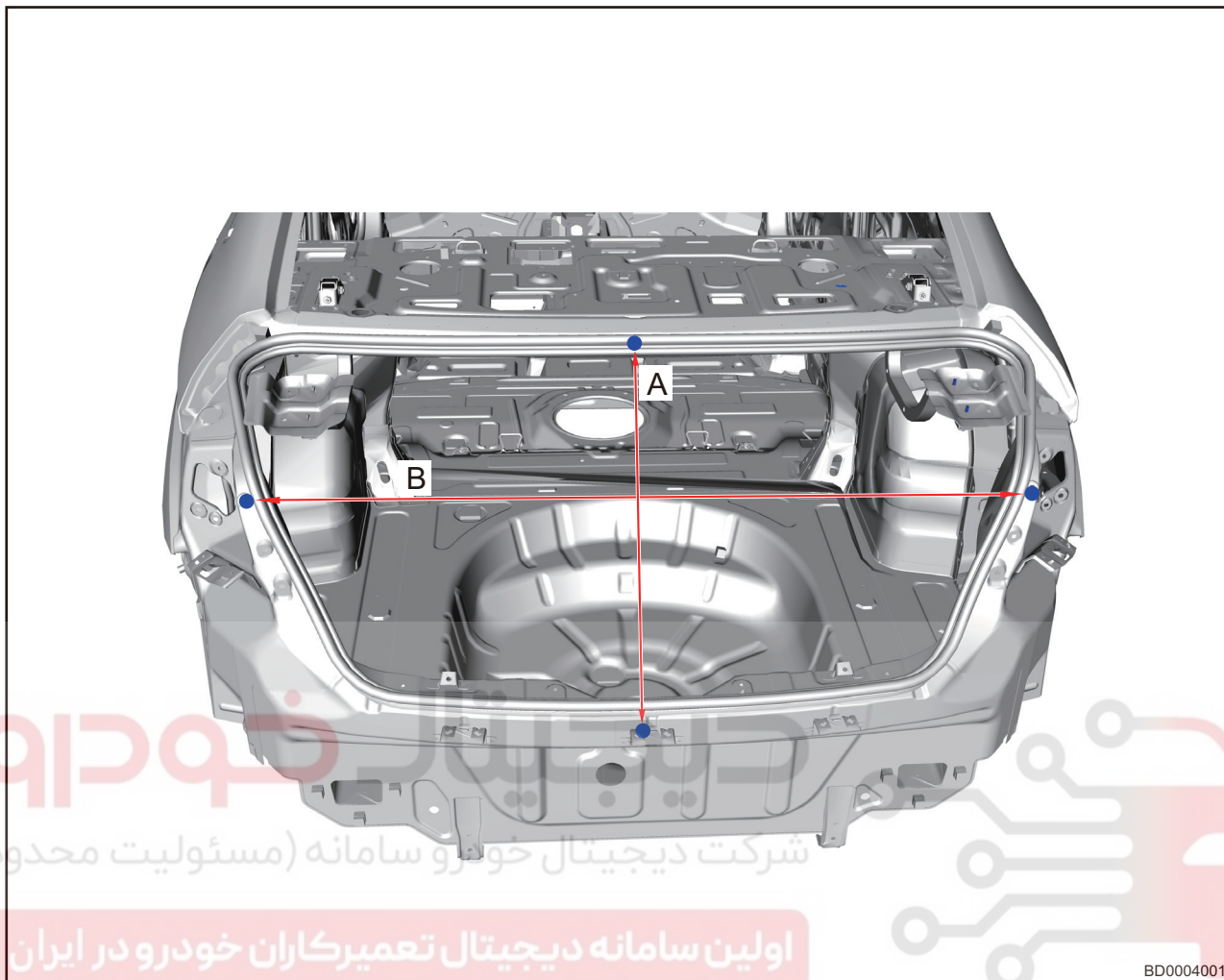
| Dimension Code | Standard Value | Measuring Area                                                  |
|----------------|----------------|-----------------------------------------------------------------|
| A              | 1166 mm        | Front suspension installation center                            |
| B              | 1497 mm        | Diagonal of wing fixing bolts                                   |
| C              | 220 mm         | Distance between front suspension installation center and wing  |
| D              | 896 mm         | Distance between front baffle plate center and wing fixing bolt |
| E              | 847 mm         | Front windshield opening                                        |

## 4. Dimensions of Engine Compartment and Windshield Frame



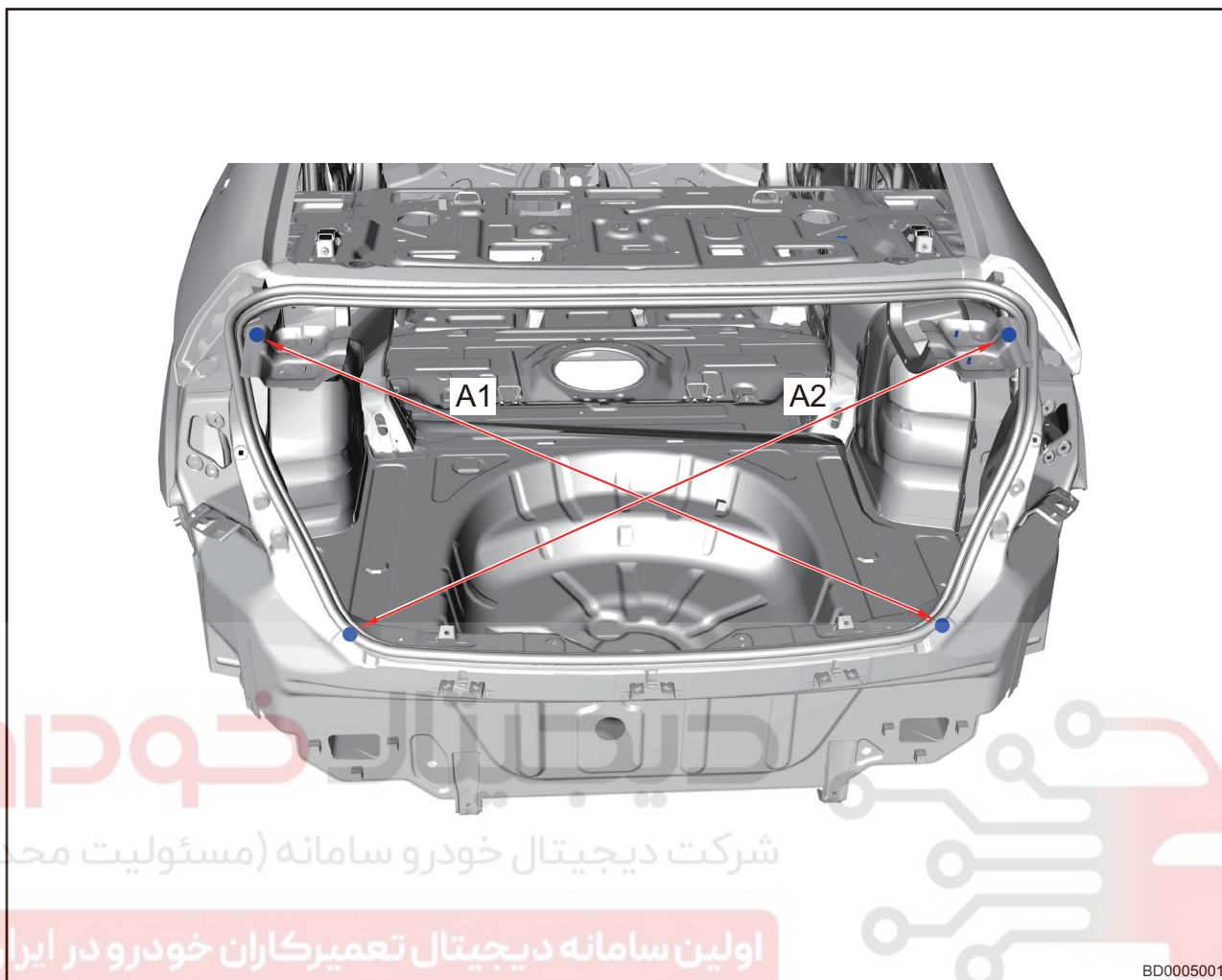
| Dimension Code | Standard Value | Measuring Area                                                          |
|----------------|----------------|-------------------------------------------------------------------------|
| A1, A2         | $A1 = A2$      | Diagonal distance between engine compartment and windshield outer frame |
| B1, B2         | $B1 = B2$      | Diagonal distance between engine compartment and windshield outer frame |

5. Dimension of Luggage Compartment Opening



| Dimension Code | Standard Value | Measuring Area                              |
|----------------|----------------|---------------------------------------------|
| A              | 564 mm         | Luggage compartment opening                 |
| B              | 1144 mm        | Y-direction distance of luggage compartment |

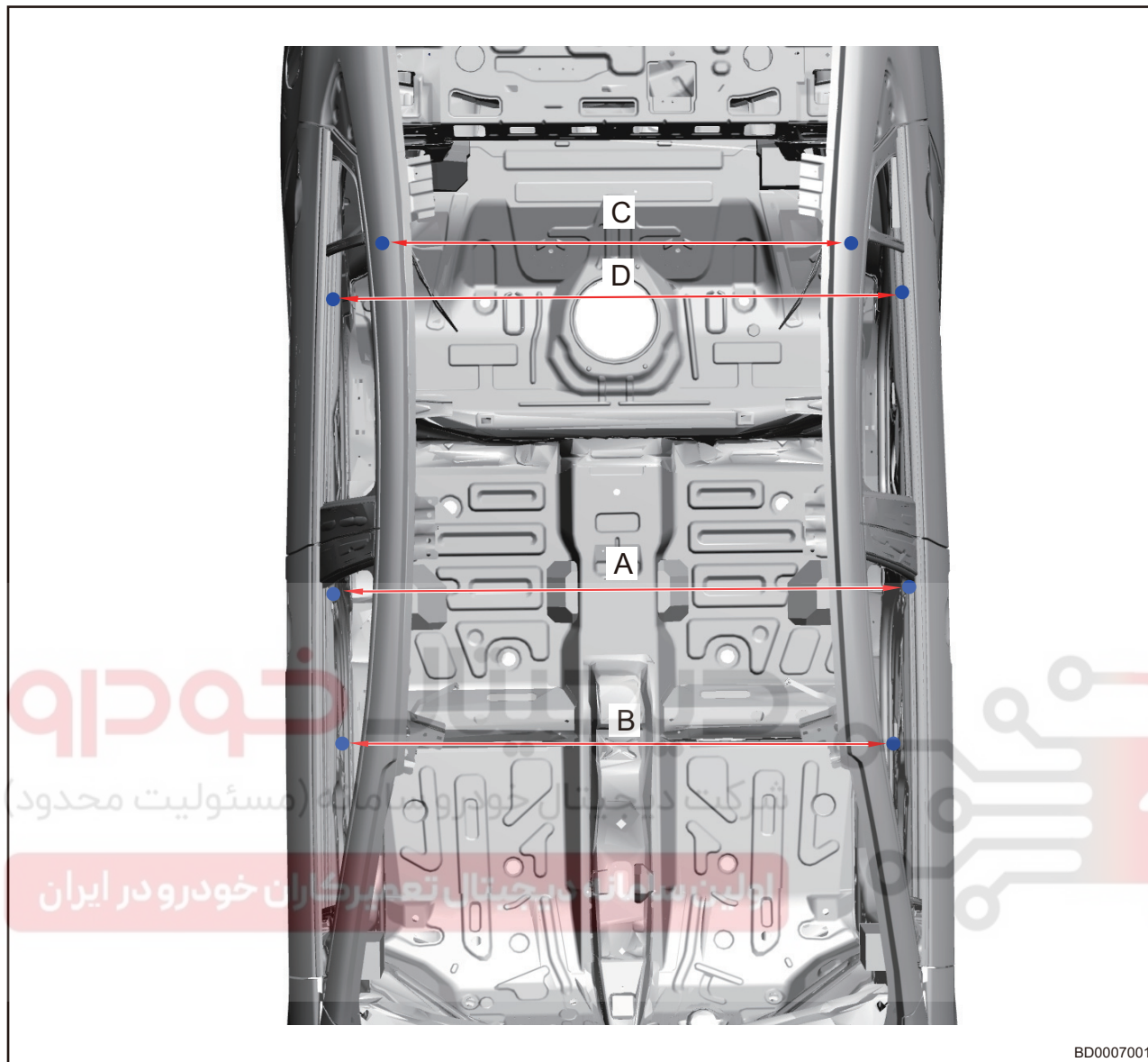
## 6. Dimension of Luggage Compartment Opening



BD0005001

| Dimension Code | Standard Value | Measuring Area                                       |
|----------------|----------------|------------------------------------------------------|
| A1, A2         | $A1 = A2$      | Diagonal distance of luggage compartment outer frame |

## 7. Dimension Between Body B-pillar and C-pillar



| Dimension Code | Standard Value | Measuring Area                                                       |
|----------------|----------------|----------------------------------------------------------------------|
| A              | 1574 mm        | Y-direction distance of B-pillar lock pillar installation position   |
| B              | 1333 mm        | Y-direction distance between front seat belt holder                  |
| C              | 1119 mm        | Y-direction distance of rear suspension installation center position |
| D              | 1520 mm        | Y-direction distance of rear wing lock pillar installation position  |

## 8. Dimension of Body A-pillar Hinge Distance



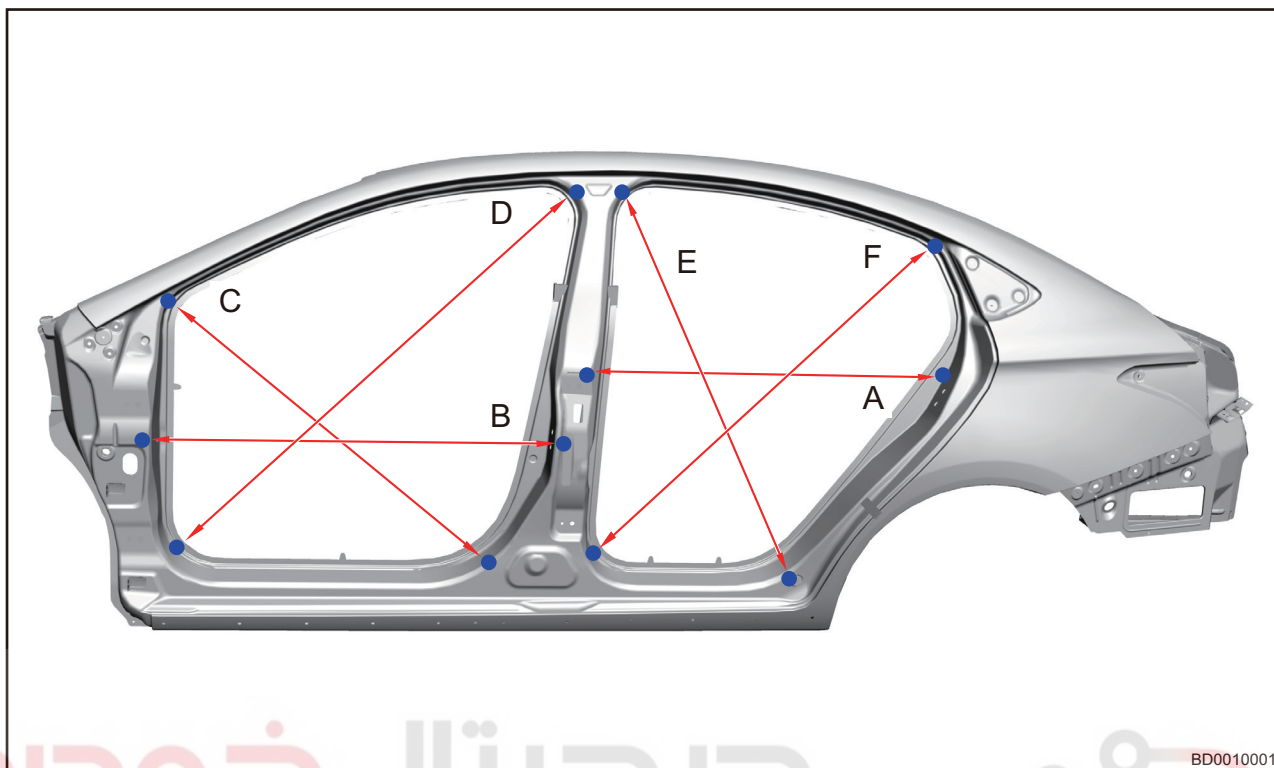
| Dimension Code | Standard Value | Measuring Area                         |
|----------------|----------------|----------------------------------------|
| A              | 349 mm         | Z-direction distance of A-pillar hinge |

9. Dimension of Body B-pillar Hinge Distance



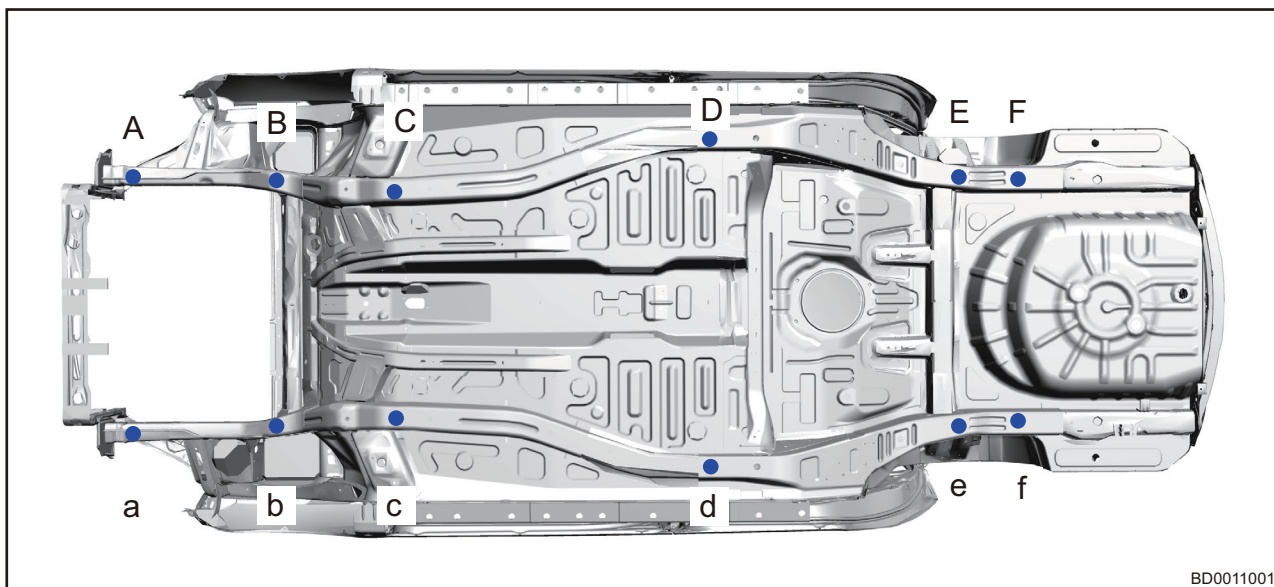
| Dimension Code | Standard Value | Measuring Area                         |
|----------------|----------------|----------------------------------------|
| B              | 369 mm         | Z-direction distance of B-pillar hinge |

## 10. Dimension of Front and Rear Doors



| Dimension Code | Standard Value | Measuring Area                                                            |
|----------------|----------------|---------------------------------------------------------------------------|
| A              | 891 mm         | Distance between B-pillar and rear door lock pillar installation position |
| B              | 951 mm         | Distance between A-pillar and B-pillar lock pillar installation position  |
| C              | 965 mm         | Front door opening                                                        |
| D              | 1304 mm        | Front door opening                                                        |
| E              | 1011 mm        | Rear door opening                                                         |
| F              | 1171 mm        | Rear door opening                                                         |

# 11. Dimension of Body Deck



| Dimension Code | Standard Value            | Measuring Area           |
|----------------|---------------------------|--------------------------|
| 1              | $999.6 \pm 1 \text{ mm}$  | Distance between A and a |
| 2              | $919 \pm 1 \text{ mm}$    | Distance between B and b |
| 3              | $830 \pm 1 \text{ mm}$    | Distance between C and c |
| 5              | $1210 \pm 1 \text{ mm}$   | Distance between D and d |
| 6              | $1041.6 \pm 1 \text{ mm}$ | Distance between E and e |
| 7              | $915 \pm 1 \text{ mm}$    | Distance between F and f |

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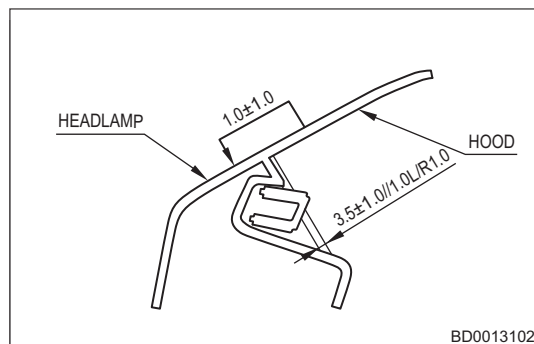
## Front Body Assembly Clearances

1. Clearance is indicated by the standard distance measurement symbol  $\longleftrightarrow$  |.
2. Flush measurement method and instructional symbol description:
  - a. Reference surface is indicated by  $\blacktriangle$ .
  - b. Reference surface is indicated by  $\rightarrow$ .
  - c. If level is higher than reference surface, number is positive, whereas negative.
  - d. All measurements are shown in millimeters (mm).



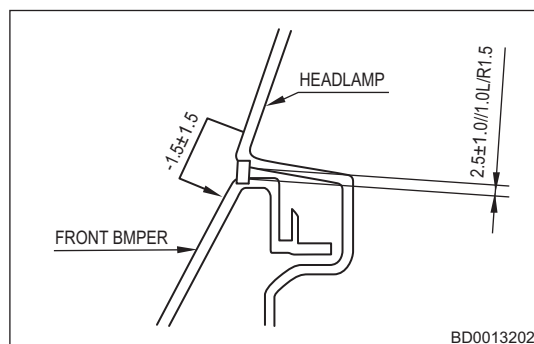
BD0034001

Standard clearance between headlight and engine hood:  
01B01



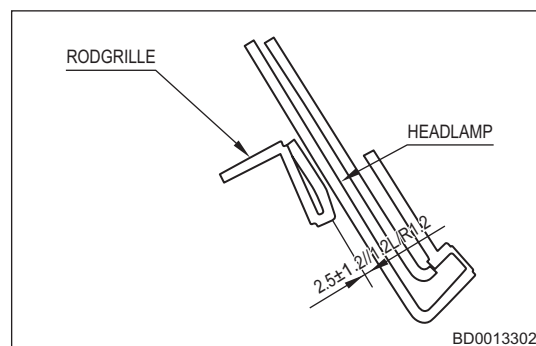
BD0013102

Standard clearance between headlight and front bumper:  
01A

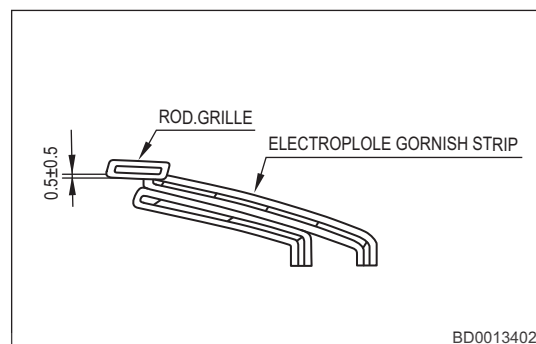


BD0013202

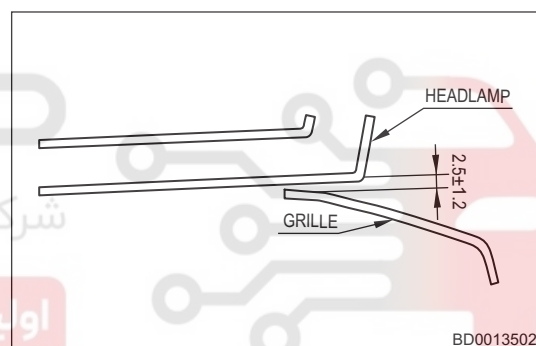
Standard clearance between grille and headlight: 01D



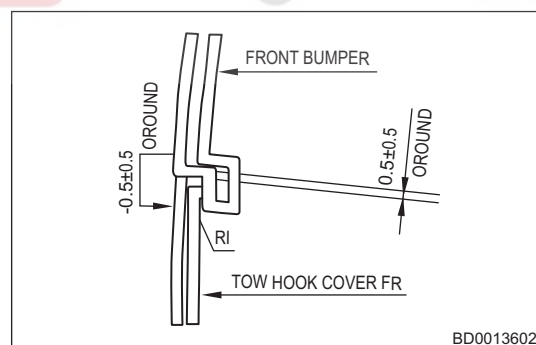
Standard clearance between grille and electroplated trim strip: 061



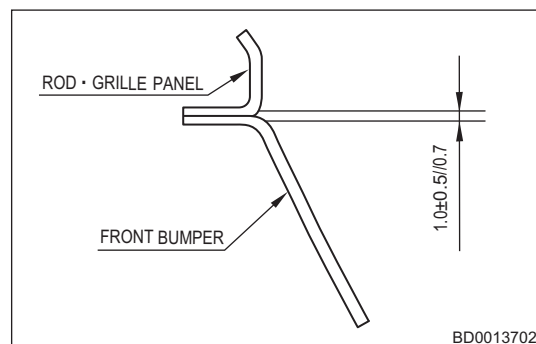
Standard clearance between headlight and strip: 01E



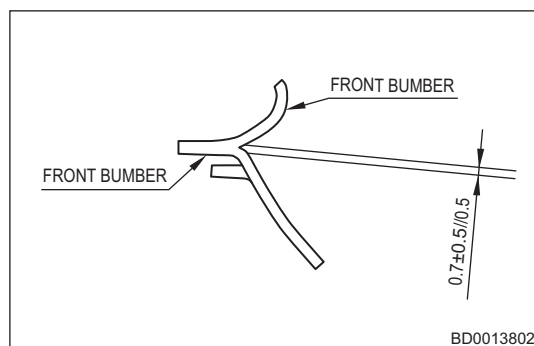
Standard clearance between front bumper and front towing hook cover plug: 06H



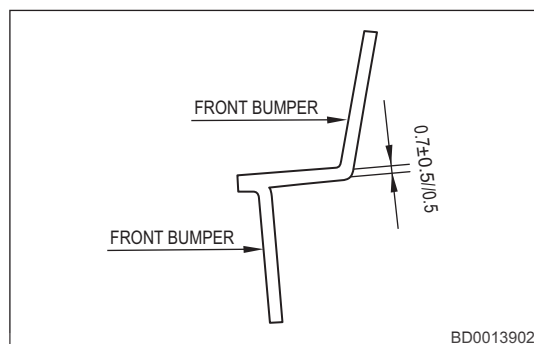
Standard clearance between grille and front bumper: 06B01



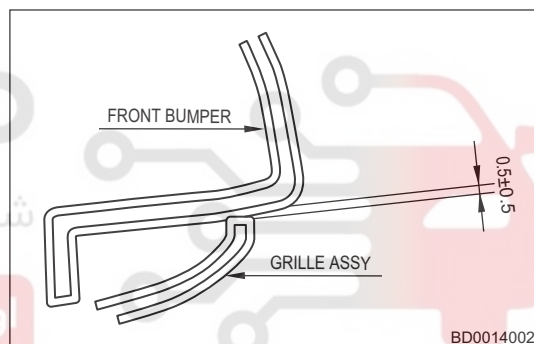
Standard clearance between center body and upper body of front bumper: 06A



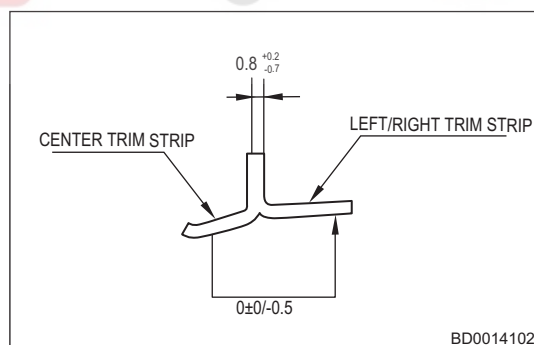
Standard clearance between center body and upper body of front bumper: 06F



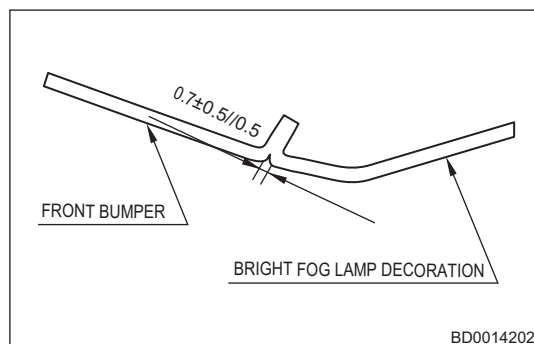
Standard clearance between front bumper and grille: 06E



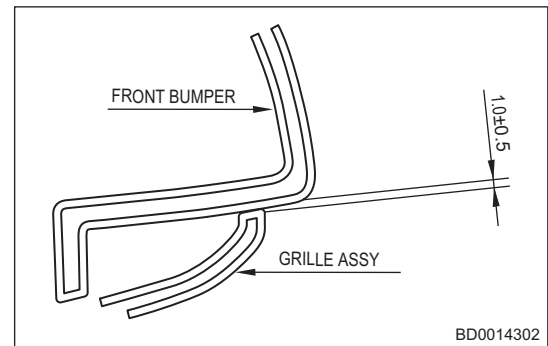
Standard clearance between center and left/right trim strip: 06G



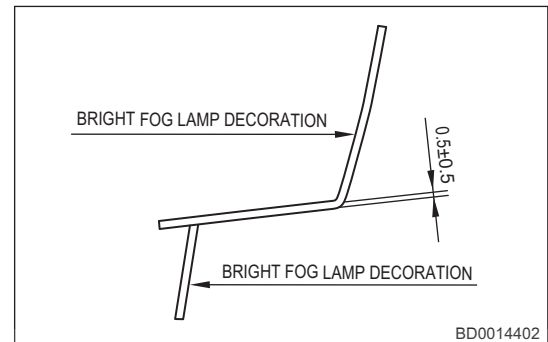
Standard clearance between center body of front bumper and trim strip of fog light: 06D02



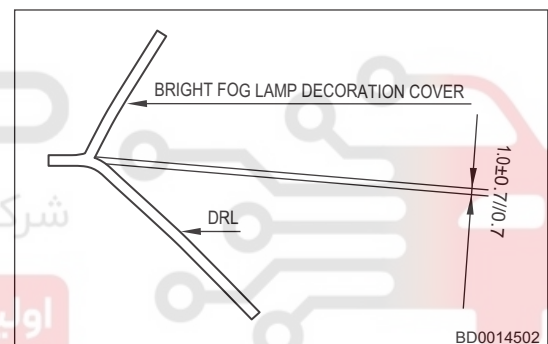
Standard clearance between upper body of front bumper and trim strip: 06K



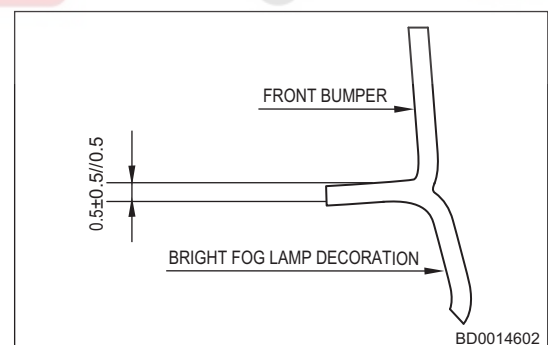
Standard clearance between trim strip and trim cover of left fog light: 06C



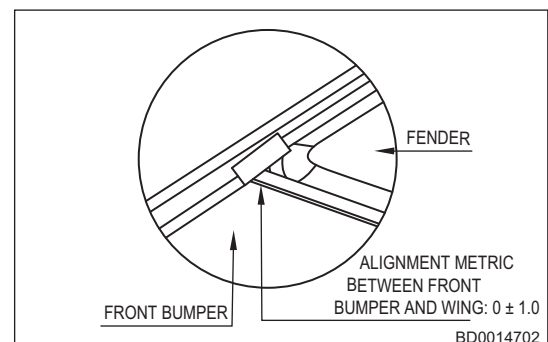
Standard clearance between trim cover of left fog light and daytime running light: 06B02



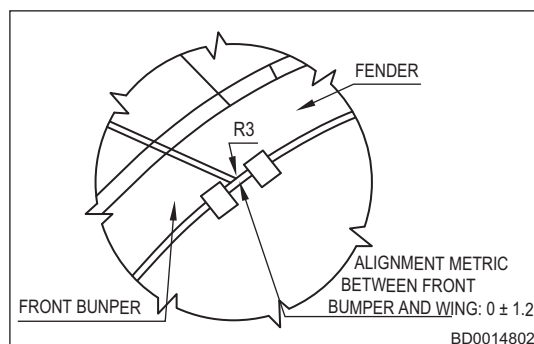
Standard clearance between upper body of front bumper and trim strip of fog light: 06D01



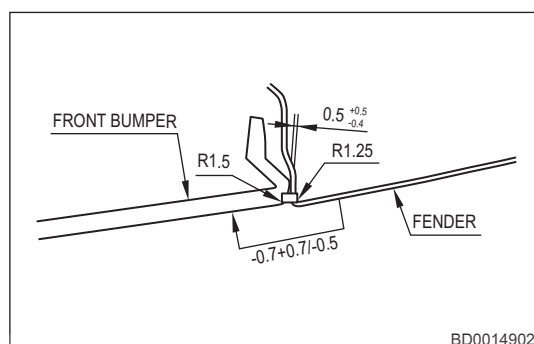
Alignment metric between front bumper and wing: 03E01



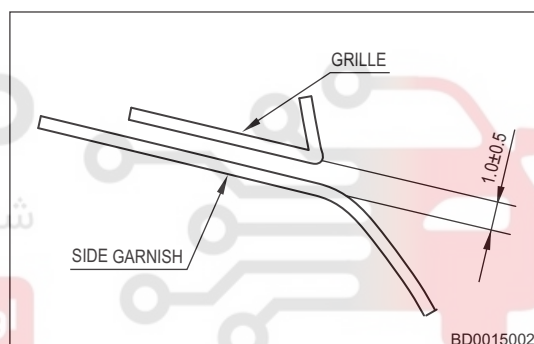
Alignment metric between front bumper and wing: 03E02



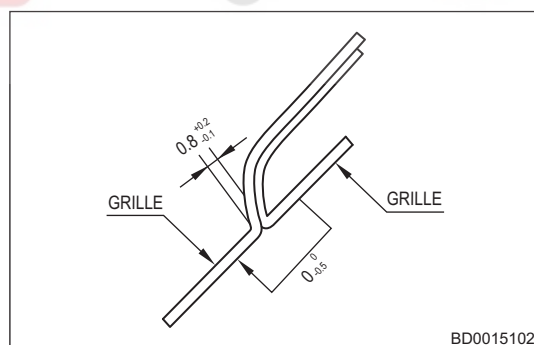
Standard clearance between front bumper and wing: 03E03



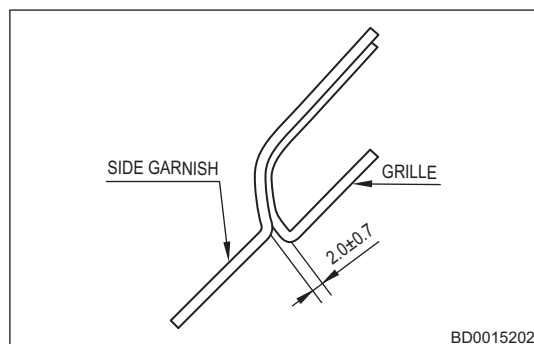
Standard clearance between side garnish and strip: 03D02



Standard clearance between strip and strip: 03D02

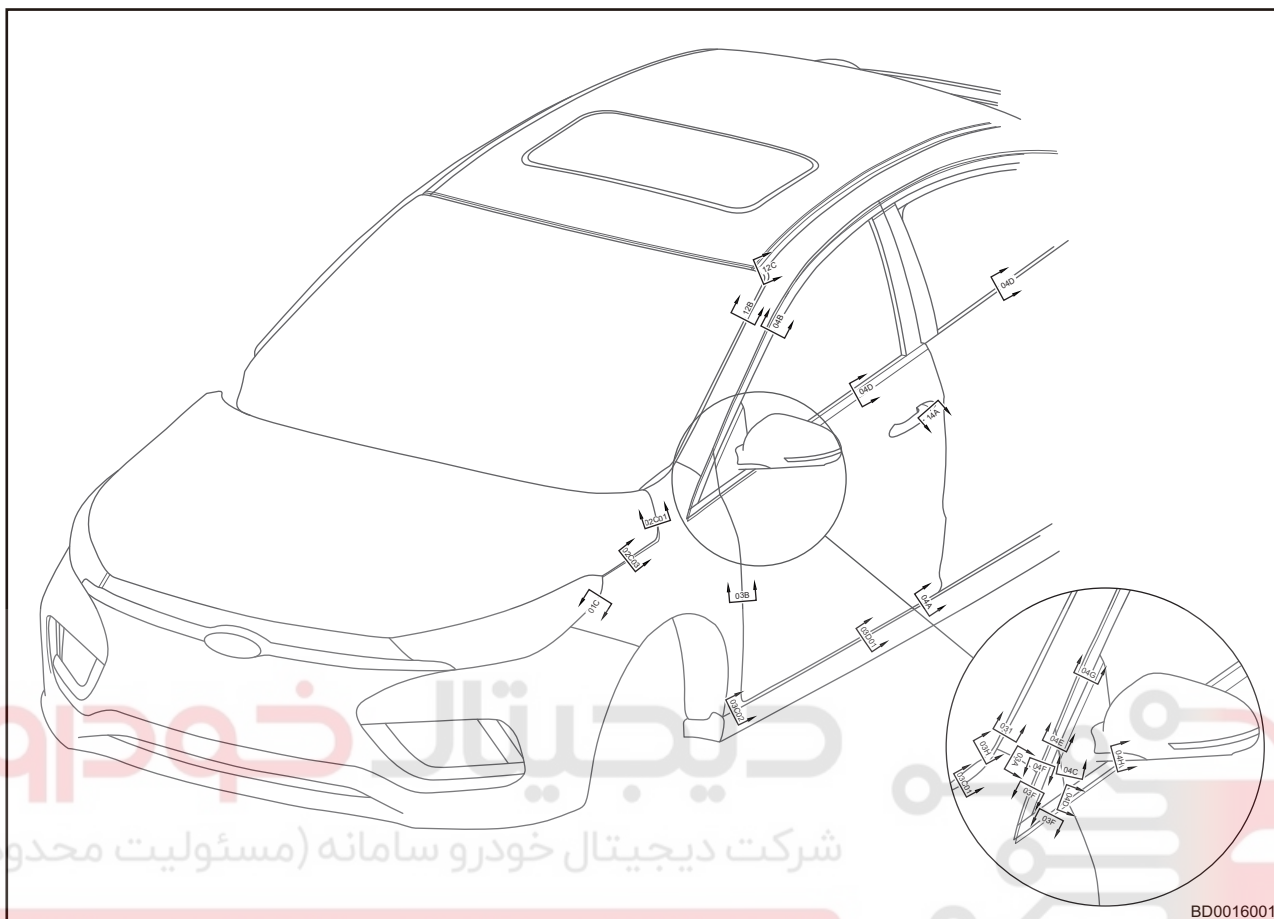


Standard clearance between side garnish and strip: 03D02

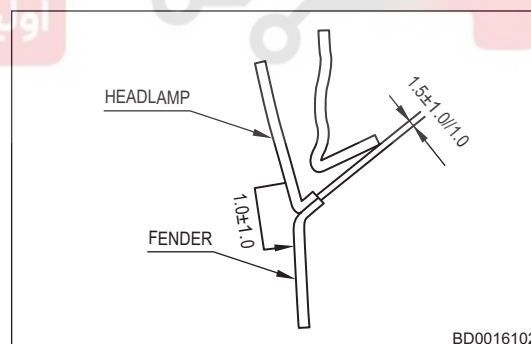


### Detailed Description for Surface Clearance Diagram

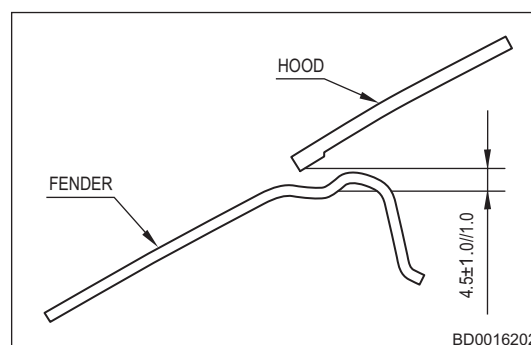
Side View



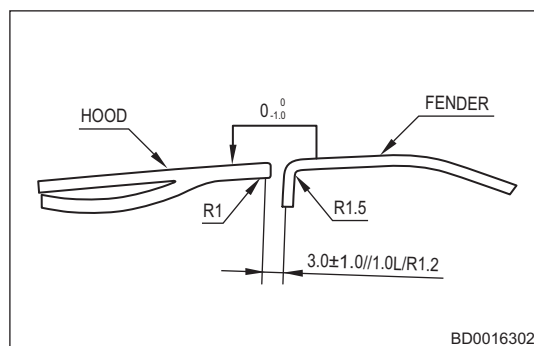
Standard clearance between headlight and wing: 01C



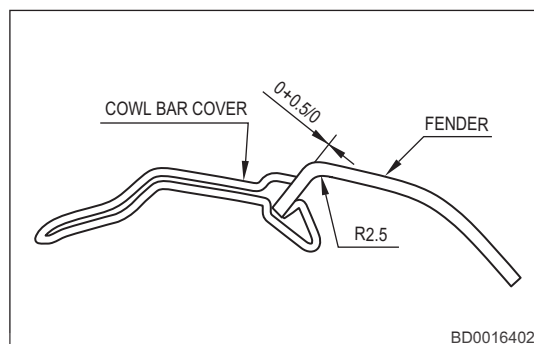
Standard clearance between wing and engine hood:  
02C03



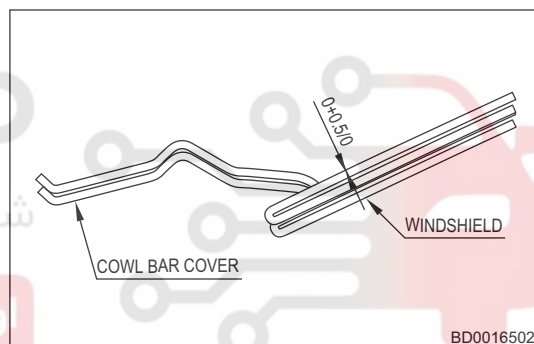
Standard clearance between engine hood and wing:  
02C01



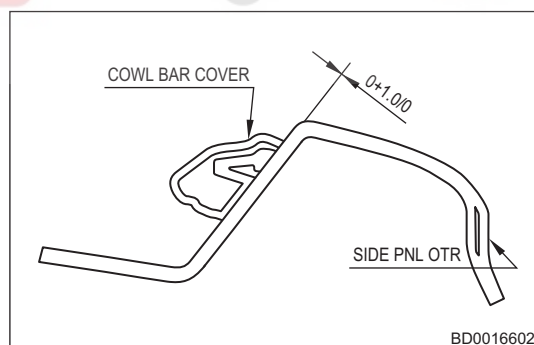
Standard clearance between cover plug and wing: 03CO1



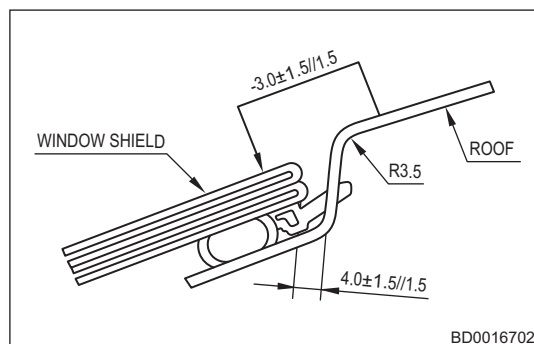
Standard clearance between cover plug and front  
windshield: 03H



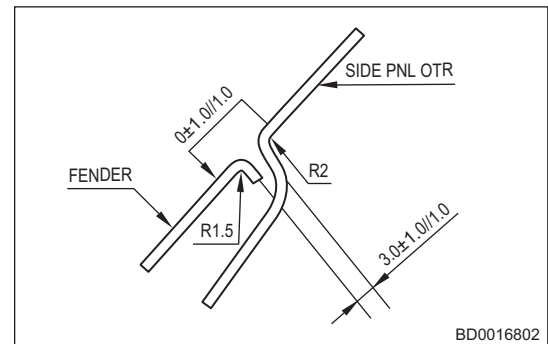
Standard clearance between cover plug and quarter A-  
pillar outer panel: 031



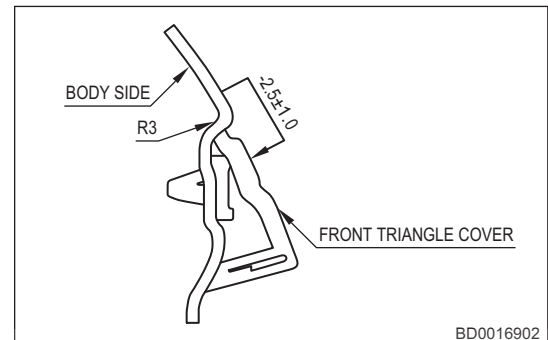
Standard clearance between front windshield and roof:  
12A



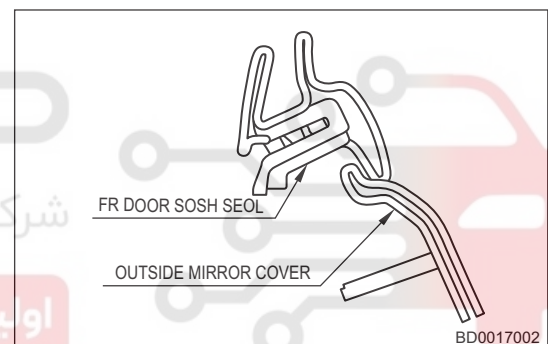
Standard clearance between wing and quarter A-pillar  
outer panel: 03A



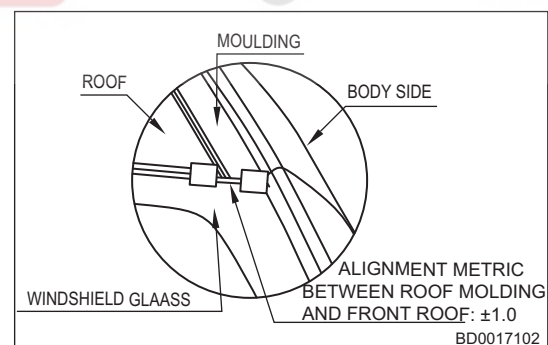
Standard clearance between quarter outer panel and front  
triangular block: 04F



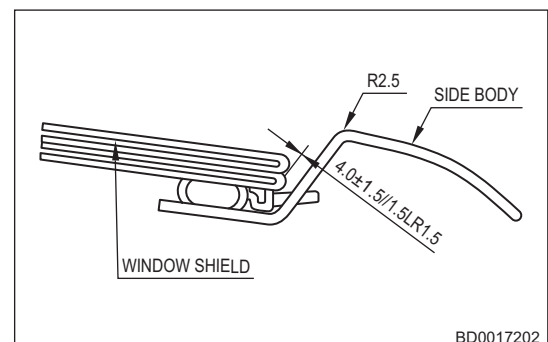
Standard clearance between front door upper glass guide  
and rear view mirror housing: 04G



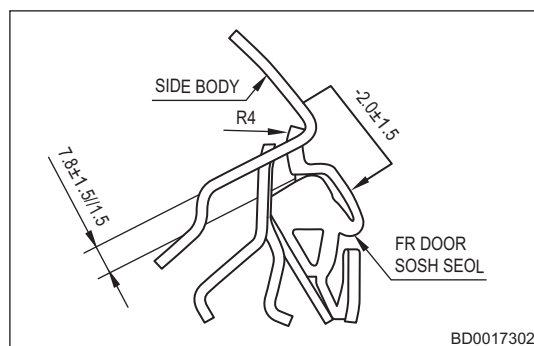
Alignment metric between roof molding and front roof:  
 $\pm 1.0$ : 12C



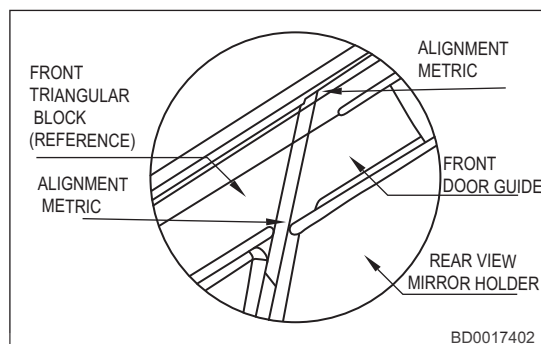
Standard clearance between quarter outer panel and front  
windshield: 12B



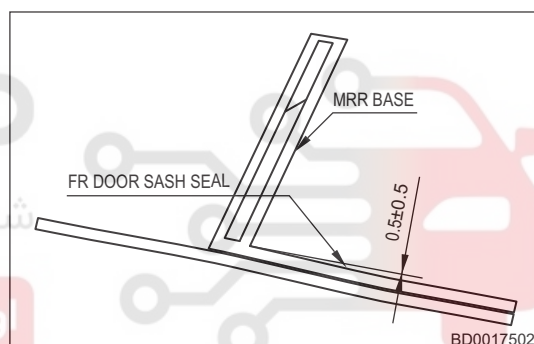
Standard clearance between quarter and front door glass guide: 04B



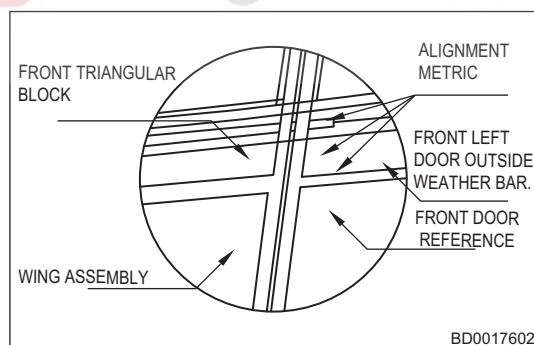
Alignment metric between front door guide and front triangular block in Z direction:  $\pm 1.2$ ;  
 Alignment metric between front door guide and outside rear view mirror holder in X direction:  $\pm 1.0$   
 Clearance:  $4.0 \pm 1.5$ ;  
 Alignment metric:  $-0.5 + 0.5 / - 1.5$ : 04E



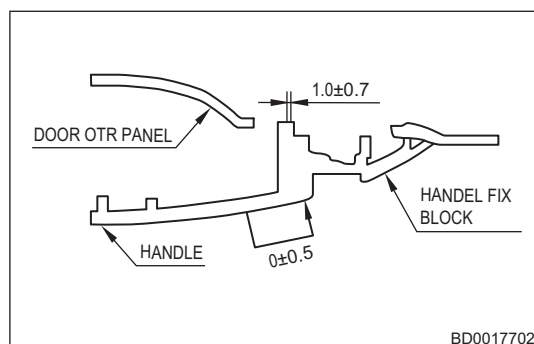
Standard clearance between FR door sash seal and Mrr base: 04H



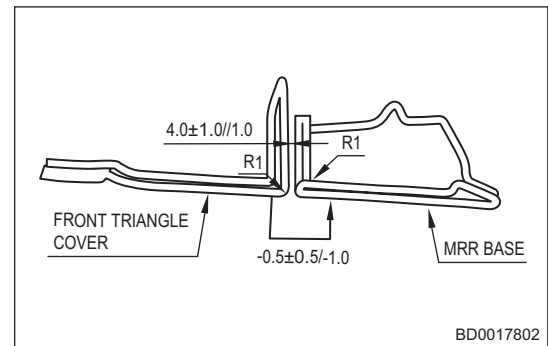
Alignment metric between front door outside stopper and front triangular block in Z direction:  $\pm 1.2$ ;  
 Alignment metric between front triangular block and wing in X direction:  $\pm 1.0$ ;  
 Alignment metric between front door outside stopper and front door outer panel in X direction:  $\pm 1.2$ ;  
 Clearance between front triangular block and front door outside stopper:  $4.0 \pm 1.2$ ;  
 Alignment metric between front triangular block and front door outside stopper:  $0.5 \pm 1.5 \pm / - 0.5$ : 04D



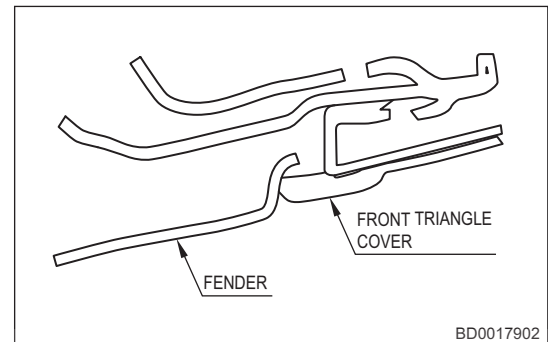
Standard clearance between front door outer panel and front door handle and lock cylinder sleeve: 14A



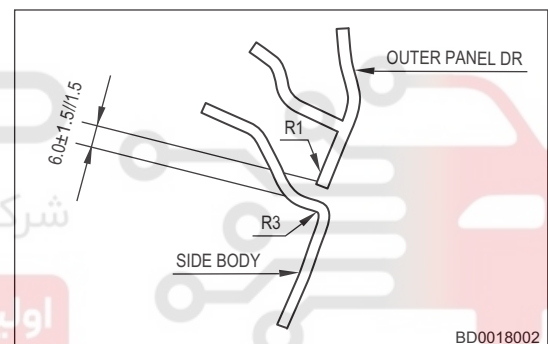
Standard clearance between front triangular block and outside rear view mirror holder: 04C



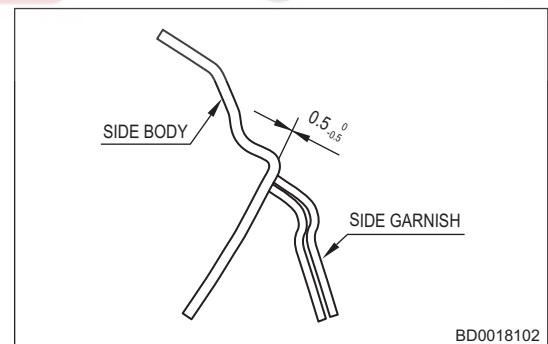
Standard clearance between wing and front triangular block: 03F



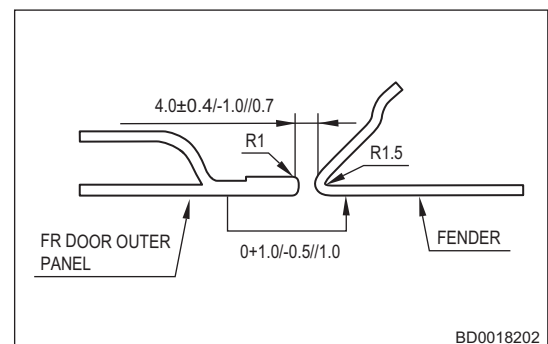
Standard clearance between quarter doorsill and door outer panel (front/rear door): 04A



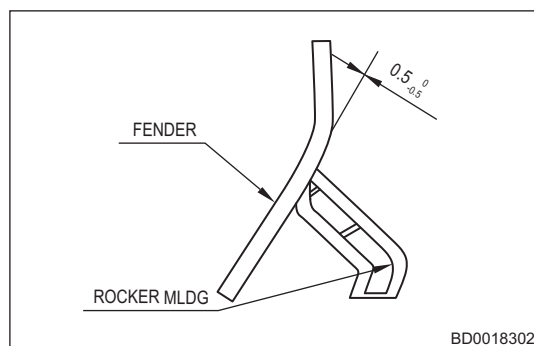
Standard clearance between quarter outer panel and side skirt protector: 03D01



Standard clearance between front door outer panel and wing: 03B



Standard clearance between wing and side skirt protector:  
03C02



دیجیتال خودرو

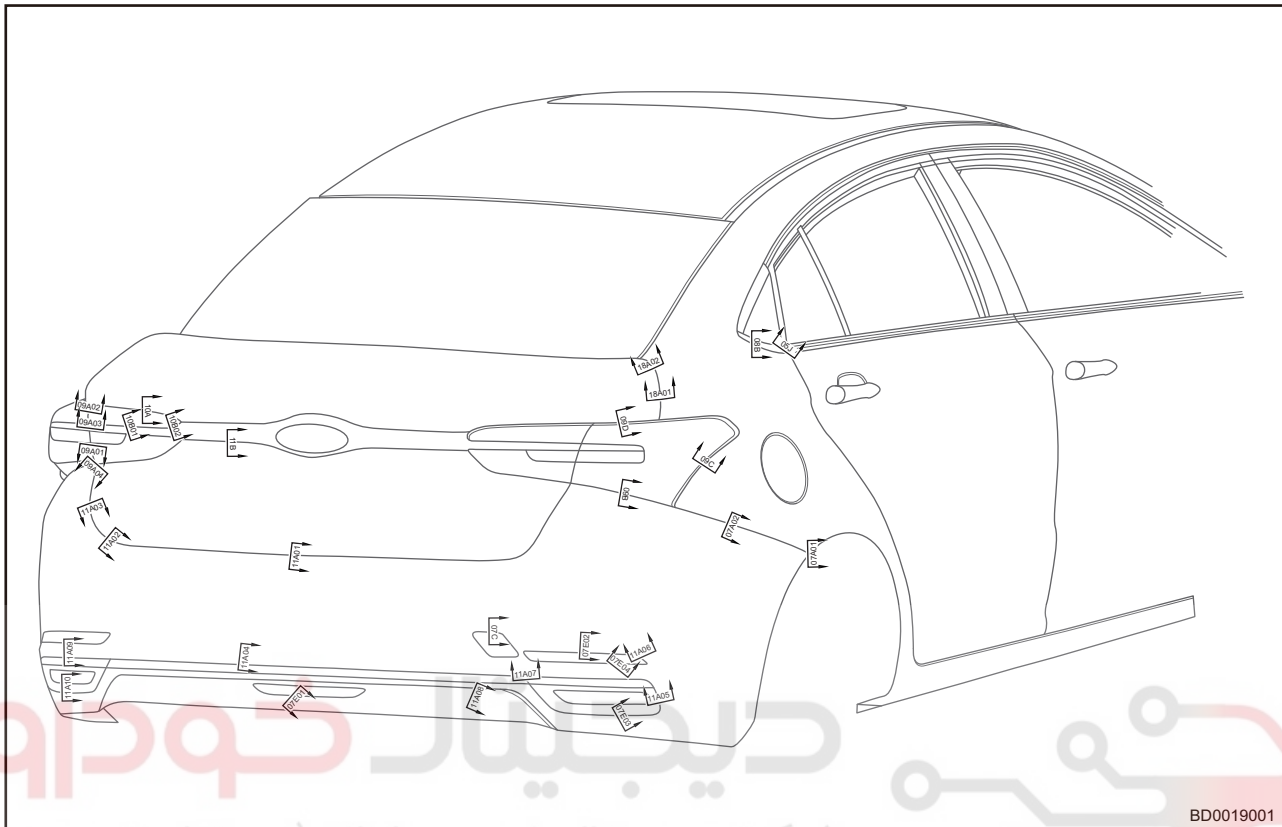
شرکت دیجیتال خودرو سامانه (مسئولیت محدود)

اولین سامانه دیجیتال تعمیرکاران خودرو در ایران



## Detailed Description for Surface Clearance Diagram

Rear View



Alignment metric between rear triangular block and rear door stopper in Z direction: - 0.5;

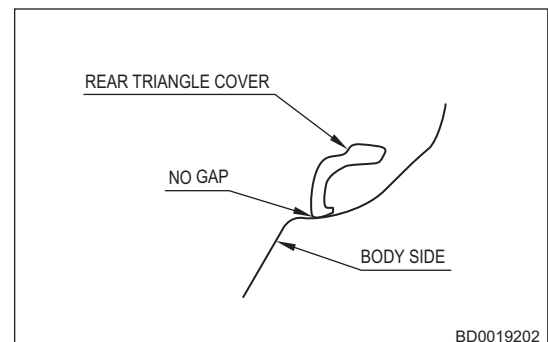
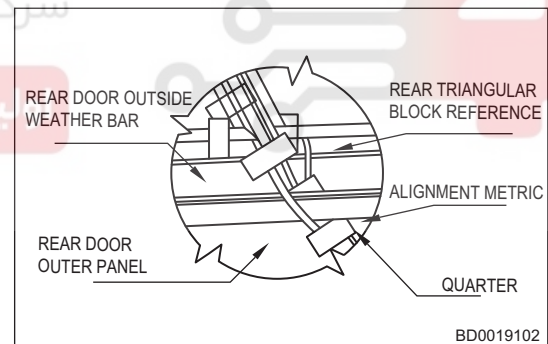
Alignment metric between rear door outside stopper and rear door outer panel in X direction:  $\pm 1.2$ ;

Alignment metric between rear triangular block and quarter outer panel in X direction:  $\pm 1.0$ ;

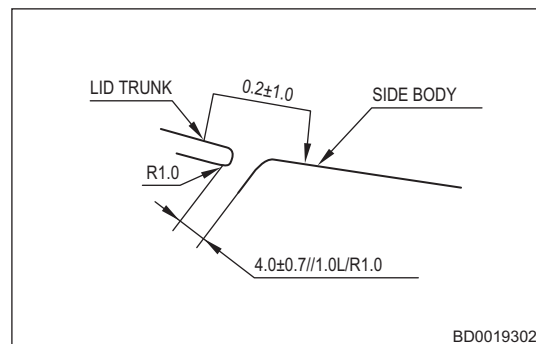
Clearance between rear triangular block and rear door stopper:  $4.5 \pm 1.2$ ;

Alignment metric between rear triangular block and rear door stopper in Y direction:  $-0.5 \pm 1.0$ : 05J

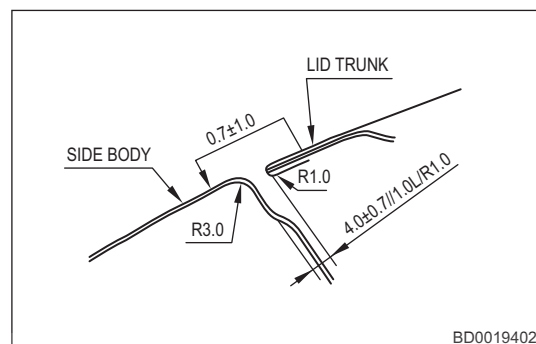
Standard clearance between rear triangular block and quarter: 08B



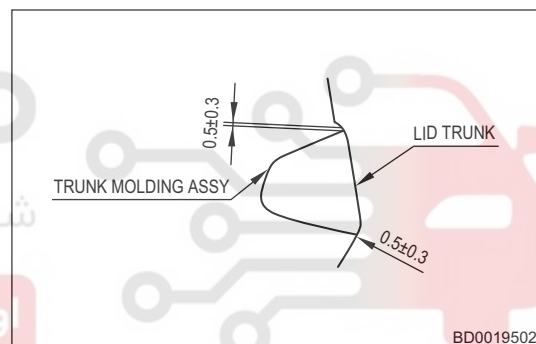
Standard clearance between luggage compartment door and quarter: 08A02



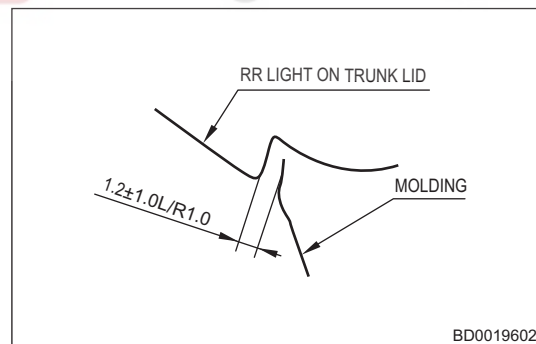
Standard clearance between quarter and luggage compartment door: 08A01



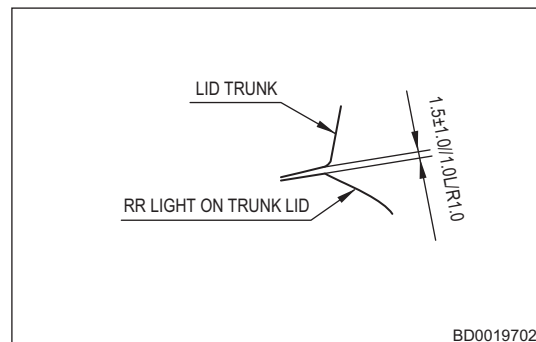
Standard clearance between luggage compartment door trim strip and luggage compartment door: 11B



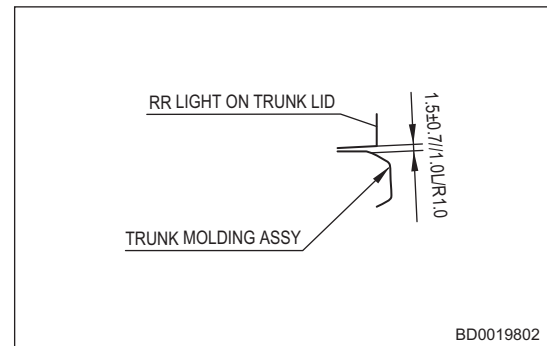
Standard clearance between movable light and strip: 10



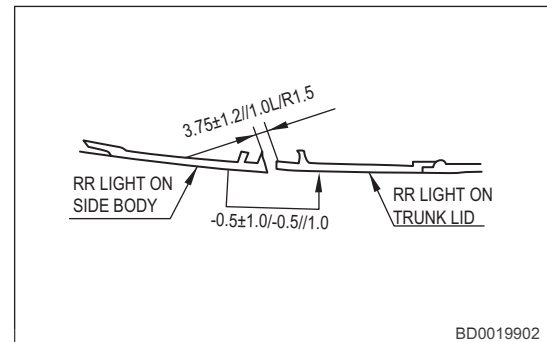
Standard clearance between luggage compartment door and movable taillight: 10A



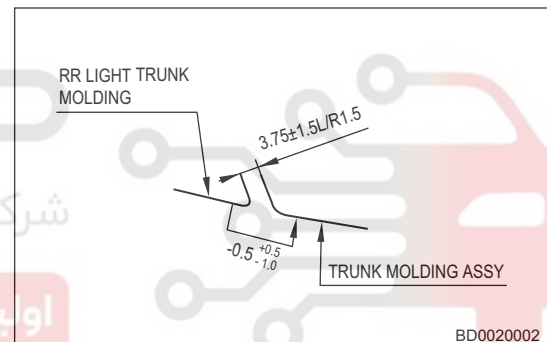
Standard clearance between movable taillight and strip:  
10B01



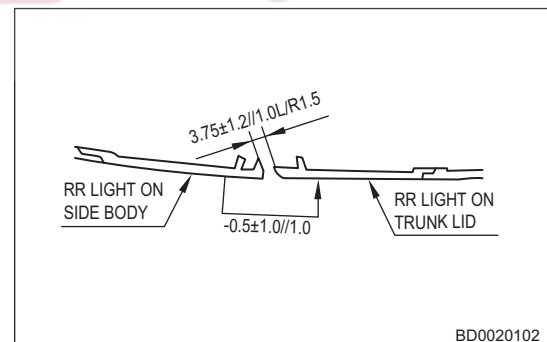
Standard clearance between quarter upper rear taillight and luggage compartment rear taillight: 09A02



Standard clearance between taillight strip and strip: 09A03



Standard clearance between quarter upper rear taillight and luggage compartment rear taillight: 09A01



Alignment metric between quarter upper rear taillight and rear bumper in Y direction:  $\pm 1.0$ ;  
Alignment metric between luggage compartment rear taillight and luggage compartment door in Y direction:  $\pm 1.0$ : 09A04

