

BODY & BODY ELECTRICAL SYSTEM

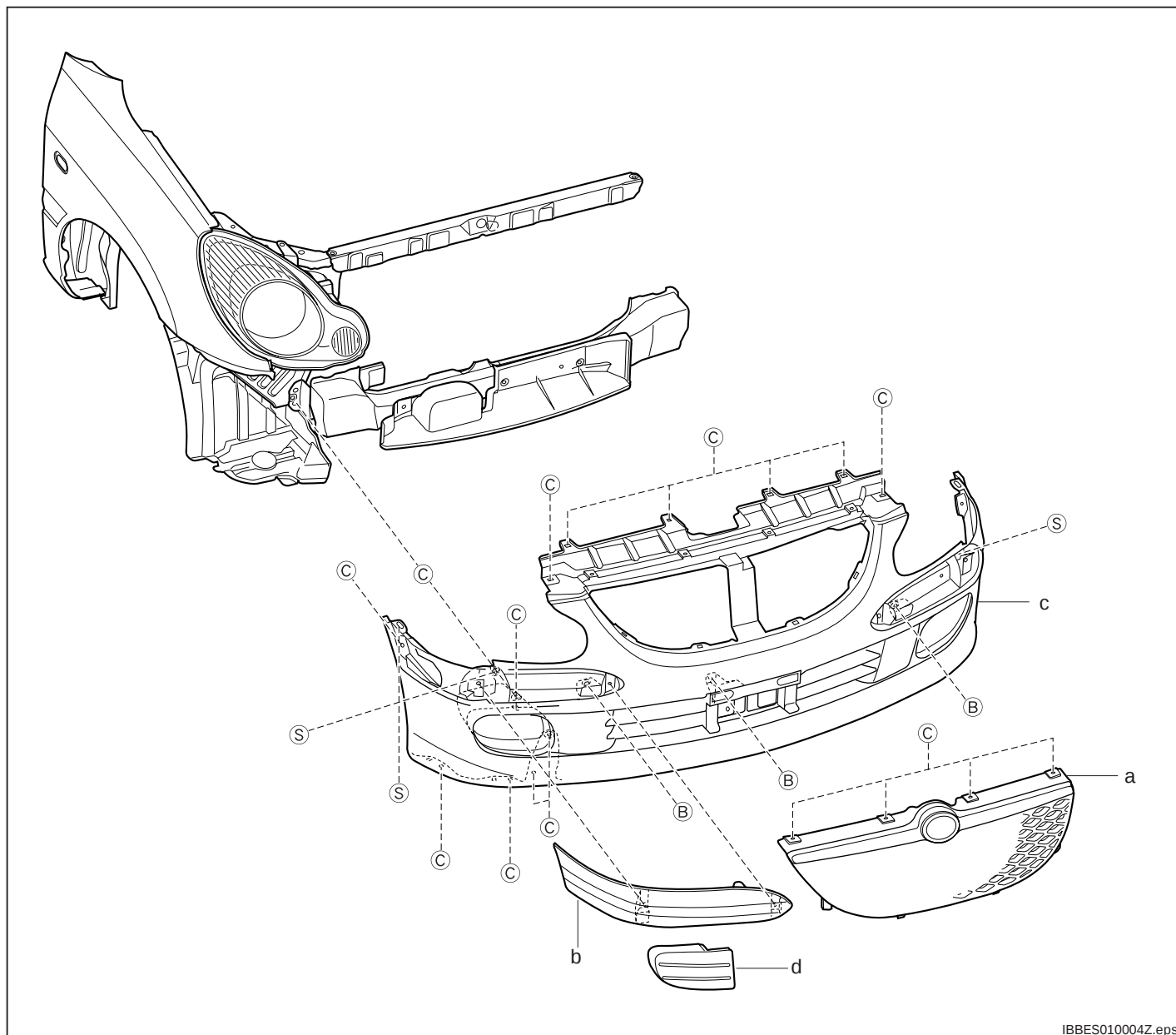
FRONT BUMPER	BBE-2
REMOVAL AND INSTALLATION	BBE-2
INSTRUMENT PANEL	BBE-3
REMOVAL AND INSTALLATION	BBE-3
BLACKOUT TAPES (FRONT DOOR).....	BBE-5
REMOVAL AND INSTALLATION	BBE-5
BLACKOUT TAPES (REAR DOOR)	BBE-11
REMOVAL AND INSTALLATION	BBE-11
HEAD LIGHT	BBE-20
REMOVAL AND INSTALLATION	BBE-20
AIMING ADJUSTMENT	BBE-20
LIGHT BULB REPLACEMENT	BBE-21
HEAD LIGHT LEVELING	BBE-23
UNIT CHECK	BBE-23
AIMING ADJUSTMENT	BBE-24
FRONT FOG LIGHT	BBE-25
AIMING ADJUSTMENT	BBE-25
ITC SYSTEM	BBE-25
OUTLINE OF SYSTEMS	BBE-25

1 FRONT BUMPER

1-1 REMOVAL AND INSTALLATION

1-1-1 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



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(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 4 a Grille S/A, radiator
- 2 3 b Molding, front bumper side
- 3 2 c Cover, front bumper
- 4 1 d Cover, fog lamp

BBE-FBM-D-T-00003

2 INSTRUMENT PANEL

2-1 REMOVAL AND INSTALLATION

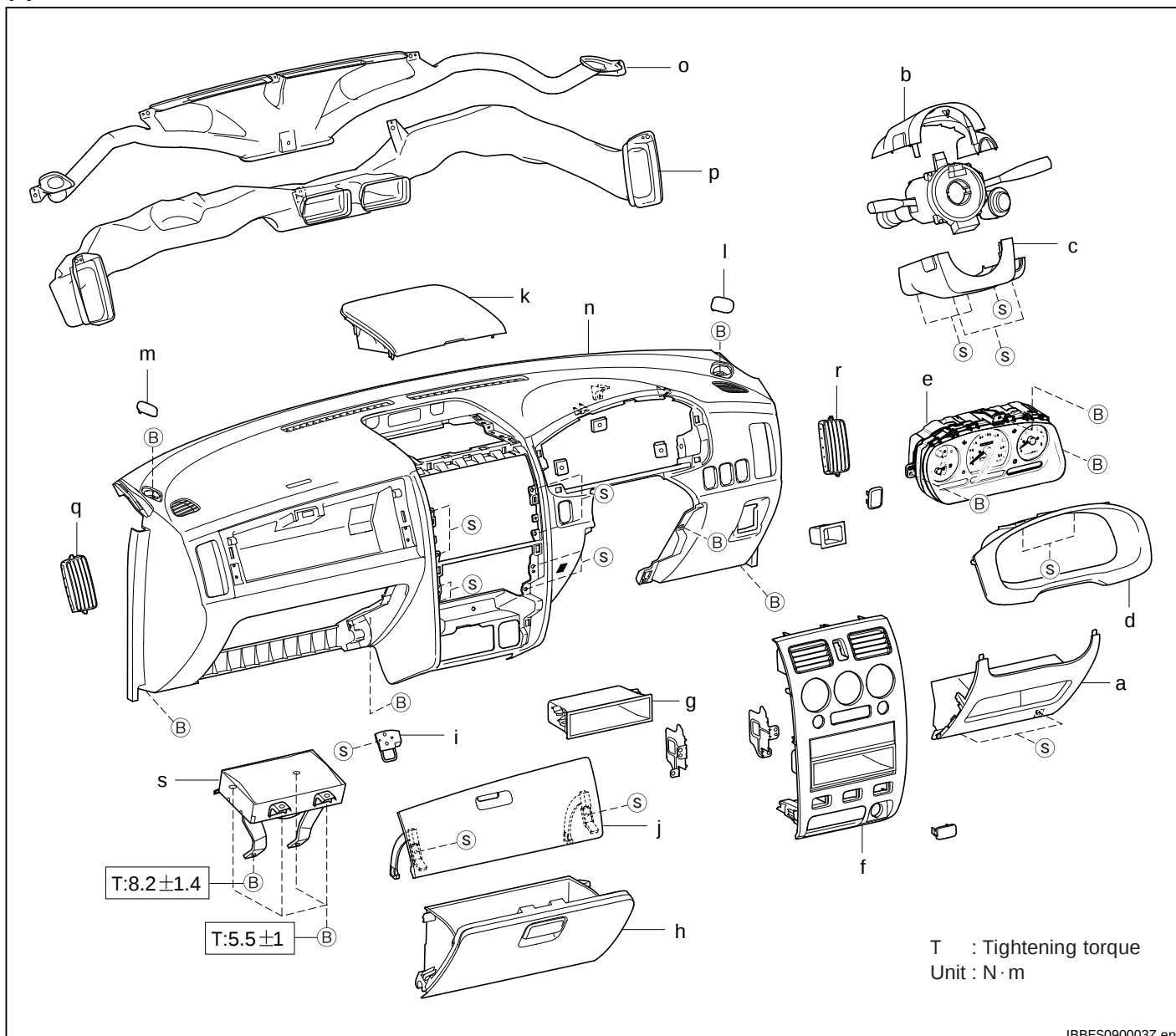
2-1-1 OPERATION BEFORE REMOVAL

1. Remove the front pillar garnish.
Refer to SIRION Service manual No.9721-ME (BO section)
2. Remove the steering.
Refer to SIRION Service manual No.9736-ME (SR section)

BBE-INS-D-B-00002

2-1-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



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(2) REMOVAL AND INSTALLATION PROCEDURES

1	19	a	Panel S/A, instrument panel finish, lower	11	9	k	Box S/A, instrument panel center
2	18	b	Cover, steering column upper	12	8	l	Cover, instrument panel hole NO.1
3	17	c	Cover, steering column lower	13	7	m	Cover, instrument panel hole NO.2
4	16	d	Panel S/A, cluster finish	14	6	n	Panel S/A, instrument
5	15	e	Meter Ay, combination	15	5	o	Nozzle Ay, defroster
6	14	f	Panel S/A, instrument cluster finish, lower center	16	4	p	Duct S/A, heater to register, center
7	13	g	Cover, radio tuner opening	17	3	q	Register S/A, instrument panel No.1
8	12	h	Door S/A, glove compartment	18	2	r	Register S/A, instrument panel No.2
9	11	i	Striker, glove compartment door lock	19	1	s	Airbag Ay (Passenger side)
10	10	j	Box S/A, glove compartment				

BBE-INS-D-T-00002

2-1-3 OPERATION AFTER INSTALLATION

2. Install the steering.
Refer to SIRION Service manual No.9736-ME (SR section)
3. Install the front pillar garnish.
Refer to SIRION Service manual No.9721-ME (BO section)

BBE-INS-D-A-00002

3 BLACKOUT TAPES (FRONT DOOR)

3-1 REMOVAL AND INSTALLATION

3-1-1 ARTICLES TO BE PREPARED

Others	Rubber spatula, Dryer, Brush, Spray, Primer (FANTAC barrier #70), Mending tape, Cloth (nylon or silk), Neutral detergent, Alcohol cloth
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3-1-2 OPERATION BEFORE REMOVAL

1. Remove the front lower frame bracket garnish.
2. Remove the outer rear-view mirror.
3. Remove the front door glass Ay.
4. Remove the front door glass run.
5. Remove the front door glass outer weatherstrip.
6. Remove the front door weatherstrip (only where the removal is necessary).

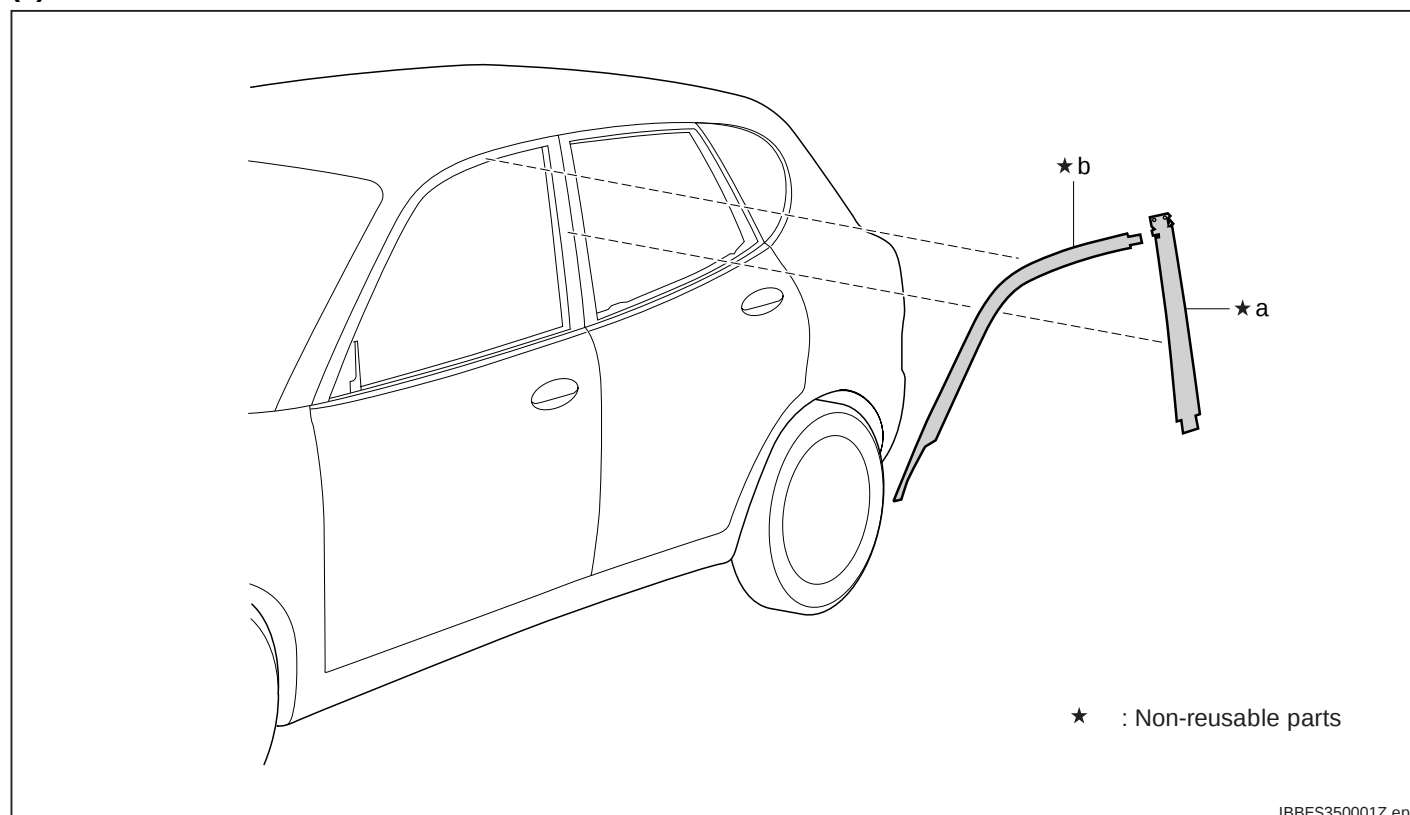
BBE-BOF-D-B-00001

3-1-3 REMOVAL AND INSTALLATION PROCEDURES

CAUTION

- When the blackout tape No.1 is replaced, be sure to replace the blackout tape No.2 at the same time.

(1) COMPONENTS



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(2) REMOVAL AND INSTALLATION PROCEDURES

- ① ② a Tape, black out No.2
- ② ① b Tape, black out No.1

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3-1-4 POINTS OF REMOVAL

1. Be sure to slowly peel off the tape from its edge.

NOTE

- If any difficulty is encountered in peeling off the tape due to seizure, for easier peeling off, warm up the tape, using a dryer.

BBE-BOF-D-D-00001

3-1-5 POINTS OF INSTALLATION

CAUTION

- Be sure to perform the operation in a room not affected by dust or wind.
- The affixing operation should be carried out at an ambient temperature between 15°C and 25°C.
- During cold period, be sure to warm up the adhesive surface of the door sash and the tape, using a dryer. Then, proceed to the operation.

(1) BLACK OUT TAPE NO.1

CAUTION

- When the blackout tape No.1 is replaced, be sure to replace the blackout tape No.2 at the same time.

1. Completely wipe off smear, foreign matters or oil from the adhesive surface of the door sash, using alcohol.

CAUTION

- If a tape is affixed when any trace of bond or dust still remains on the adhesive surface, it may result in inadequate adhesion and poor appearance, such as blisters. Therefore, be certain to thoroughly wipe off dust, etc.

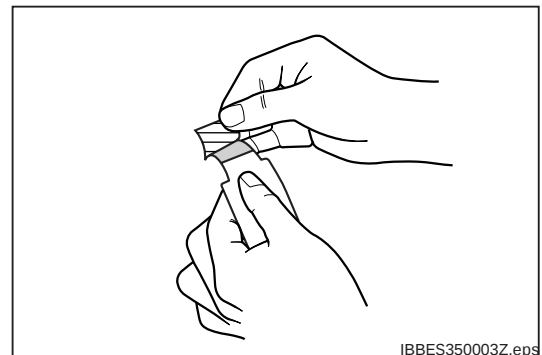
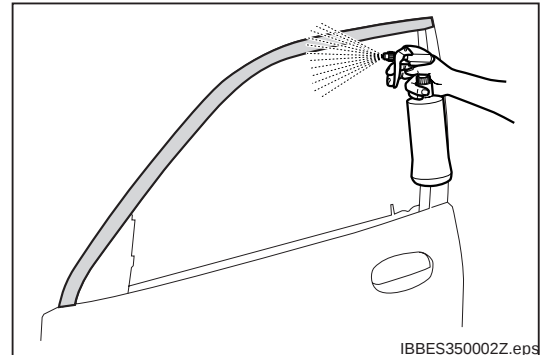
2. Wind a cloth around the spatula.

NOTE

- Winding of a cloth will result in smoother slide when pressure is applied, thus assuring easier operation.

3. Thoroughly spray a mixture of tap water and neutral detergent in the ratio of 100:1 on the adhesive surface of the door sash, using a sprayer, etc.

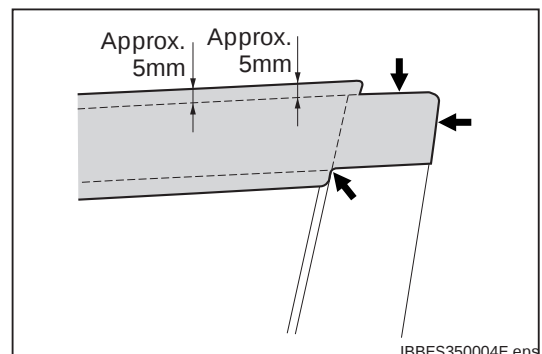
4. Peel off the protective film at the rear side of the tape.



5. Temporarily affix the tape while aligning the rear side of the tape with the corner section of the door sash.

CAUTION

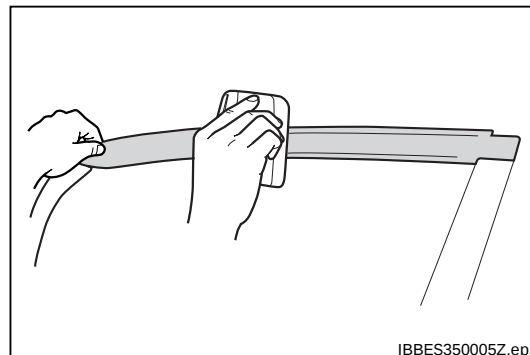
- Ensure that the tape has been affixed temporarily in parallel with the door sash and that the wrapped-in margin of Approx. 5 mm is assured in parallel at the upper side.



6. Affix the tape by peeling off the protective film about 15 cm at a time, while confirming the wrapped-in margin at the upper side.

CAUTION

- During the operation, always make sure that the wrapped-in margin of Approx. 5 mm is assured at the upper side.



7. Confirm the positional relationship of affixing operation again.

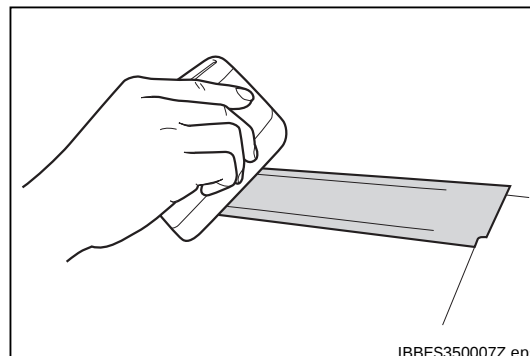
CAUTION

- In cases where the affixing operation has not been done correctly, be sure to affix the tape again.

8. After affixing the tape, press the tape firmly in such a way that water may be expelled, using the spatula.

CAUTION

- In cases where water remains between the tape and the door sash, it will result in poor adhesion due to admission of air. Therefore, be sure to expel water while pressing the tape thoroughly and firmly.



9. Make a folding line at the wrapped-in section of the tape at both ends of the sash, using a spatula. (Both right and left sides)

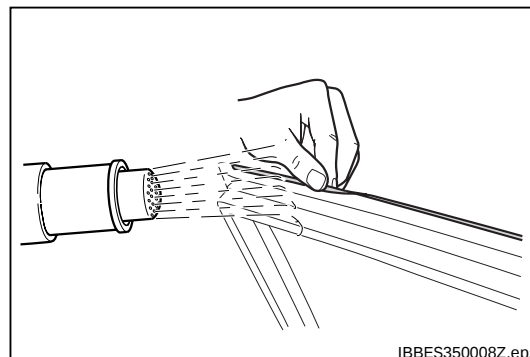
10. While lightly warming up the tape with a dryer, fold in the tape with fingers. (Both sides)

CAUTION

- Do not apply heat excessively.

NOTE

- The corner section of the door sash will be covered by the door weatherstrip. Therefore, a few wrinkles are permissible.



11. Finally, press the whole tape firmly. After having wiped off water from the tape, allow the tape to dry naturally.

(2) BLACK OUT TAPE NO.2

CAUTION

- Perform the operation after the blackout tape No.1 has been affixed.

1. Completely wipe off smear, oil and moisture from the adhesive surface of the door sash and primer application surface, using alcohol.

CAUTION

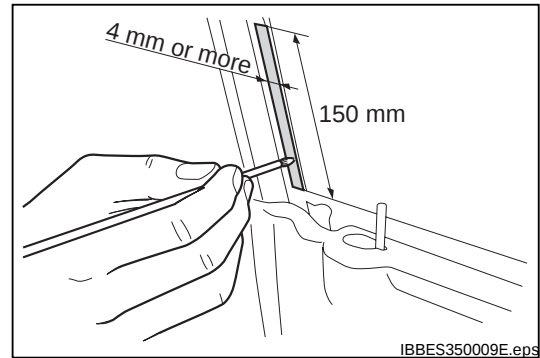
- If a tape is affixed when any trace of bond or dust still remains on the adhesive surface, it may result in inadequate adhesion and poor appearance, such as blisters. Therefore, be certain to thoroughly wipe off dust, etc.

2. Apply primer to the door sash in the zone indicated in the figure on the right.

SPECIFIED VALUE: 150 mm from the lower edge of the door sash
4 mm or more from the top of the door sash R

CAUTION

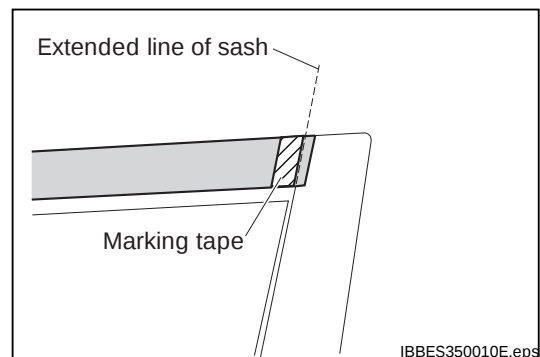
- The primer should be applied evenly.
- In cases where a period of 24 hours has elapsed after the application, be sure to apply the primer again.
- The primer application operation should be carried out in a well-ventilated area. If the primer gets to your hand, etc., be sure to immediately wash it away.



3. Affix a marking tape aligning with the extended line of the sash in such a way that the tape becomes parallel to the sash.

NOTE

- If a marking tape having strong adhesion is used, the blackout tape may be peeled off together when peeling off the marking tape or the adhesive agent of the marking tape may remain on the surface. Therefore, it is recommended to use a tape, such as a mending tape, that can be easily peeled off.



4. Wind a cloth around the spatula.

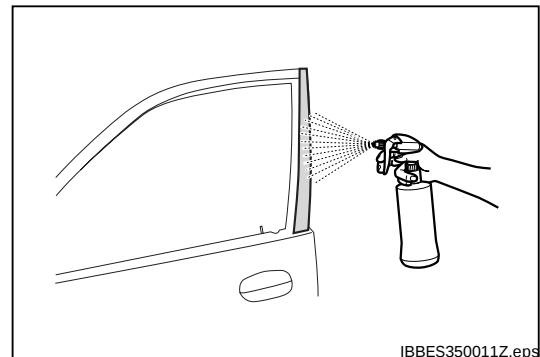
NOTE

- Winding of a cloth will result in smoother slide when pressure is applied, thus assuring easier operation.

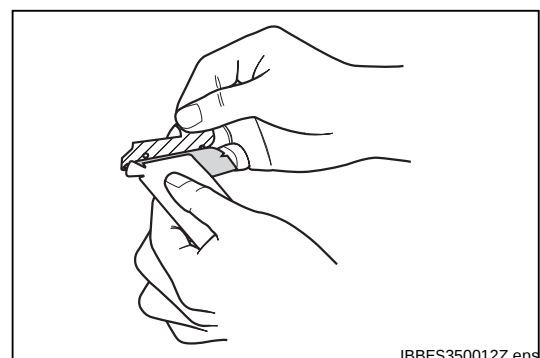
5. Thoroughly spray a mixture of tap water and neutral detergent in the ratio of 100:1 on the adhesive surface of the door sash, using a sprayer, etc.

CAUTION

- Proceed to the operation after the primer has dried.



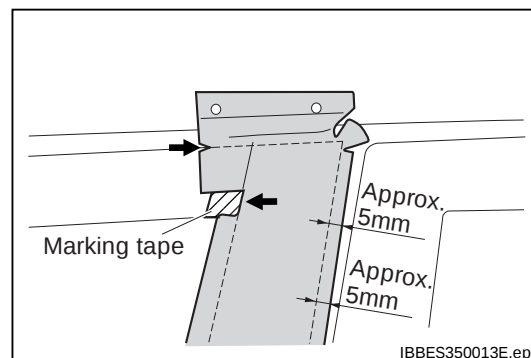
6. Peel off the protective film at the upper edge of the tape.



7. Temporarily affix the U-shaped section of the tape in parallel with the marking tape while aligning the cutout section of the tape with the upper edge of the sash.

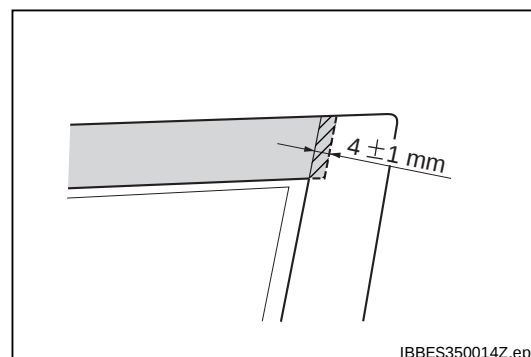
CAUTION

- Ensure that the tape has been affixed temporarily in parallel with the door sash and that the wrapped-in margin of Approx. 5 mm is assured at the right side of the tape.

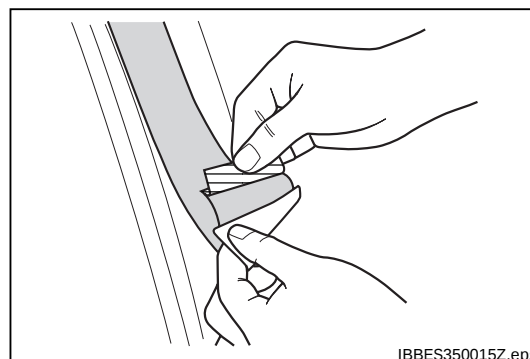


NOTE

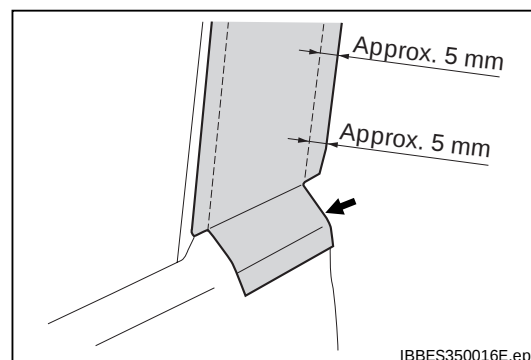
- Set the overlapping margin with the blackout tape No.1 to the dimension indicated in the figure on the right.



8. Peel off the protective film at the lower edge of the tape.



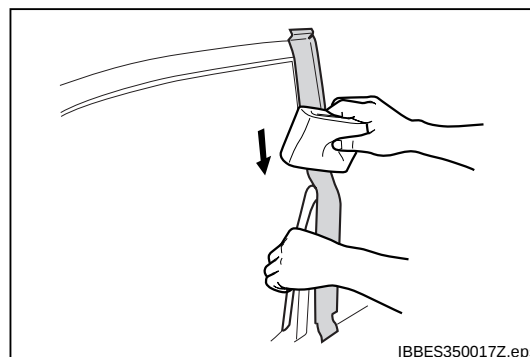
9. Temporarily affix the tape while aligning its lower edge with the door shape.



10. Peel off the protective film up to the midpoint. Then, affix the tape from the top, using the spatula.

CAUTION

- In order to prevent the tape position from displacement, securely hold the lower edge of the tape.



BBE-10

11. After affixing the tape up to the point immediately before the protective film, affix the rest of the tape, following the same procedure.
12. Confirm the positional relationship of affixing operation again.

CAUTION

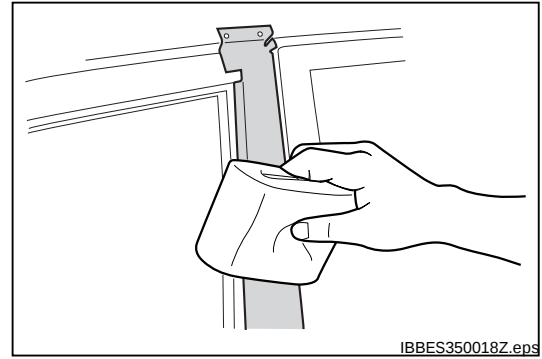
- In cases where the affixing operation has not been done correctly, be sure to affix the tape again.

13. After affixing the tape, press the tape firmly in such a way that water may be expelled, using the spatula.

CAUTION

- In cases where water remains between the tape and the door sash, it will result in poor adhesion due to admission of air. Therefore, be sure to expel water while pressing the tape thoroughly and firmly.

14. Make a folding line at the wrapped-in section of the tape at both ends of the sash, using a spatula. (Both right and left sides)



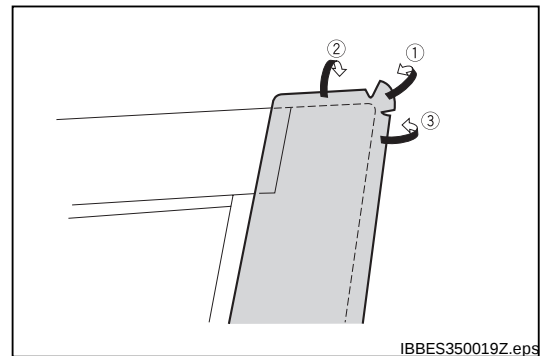
15. While lightly warming up the corner section of the sash with a dryer, fold in the corner section in the sequence indicated in the figure on the right.

CAUTION

- Do not apply heat excessively.

NOTE

- The corner section of the door sash will be covered by the door weatherstrip. Therefore, a few wrinkles are permissible.



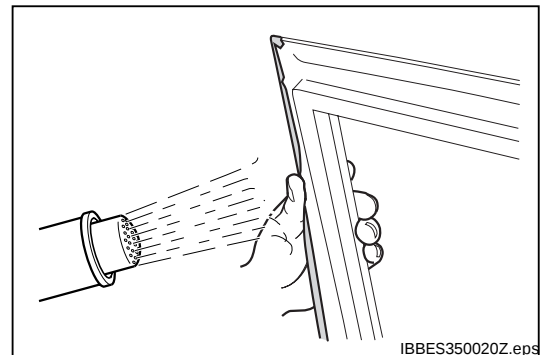
16. While warming up the wrapped-in section of the tape with a dryer, fold in the wrapped-in section with fingers. (Both right and left sides)

CAUTION

- Do not apply heat excessively.

CAUTION

- While wrapping the tape, care must be exercised so that the tape may not overlap on the sealer at the reverse side.



17. Finally, press the whole tape firmly. After having wiped off water from the tape, allow the tape to dry naturally.

BBE-BOF-D-S-00001

3-1-6 OPERATION AFTER INSTALLATION

1. Install the front door weatherstrip.
2. Install the front door glass outer weatherstrip.
3. Install the front door glass run.
4. Install the front door glass Ay.
5. Install the outer rear-view mirror.
6. Install the front lower frame bracket garnish.

BBE-BOF-D-A-00001

4 BLACKOUT TAPES (REAR DOOR)

4-1 REMOVAL AND INSTALLATION

4-1-1 ARTICLES TO BE PREPARED

Others	Rubber spatula, Dryer, Brush, Spray, Primer (FANTAC barrier #70), Mending tape, Cloth (nylon or silk), Neutral detergent, Alcohol cloth
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BBE-BOR-D-P-00001

4-1-2 OPERATION BEFORE REMOVAL

1. Remove the rear door window guide S/A.
2. Remove the rear door glass.
3. Remove the rear door glass run.
4. Remove the rear door glass outer weatherstrip.
5. Remove the rear door weatherstrip (only where the removal is necessary).

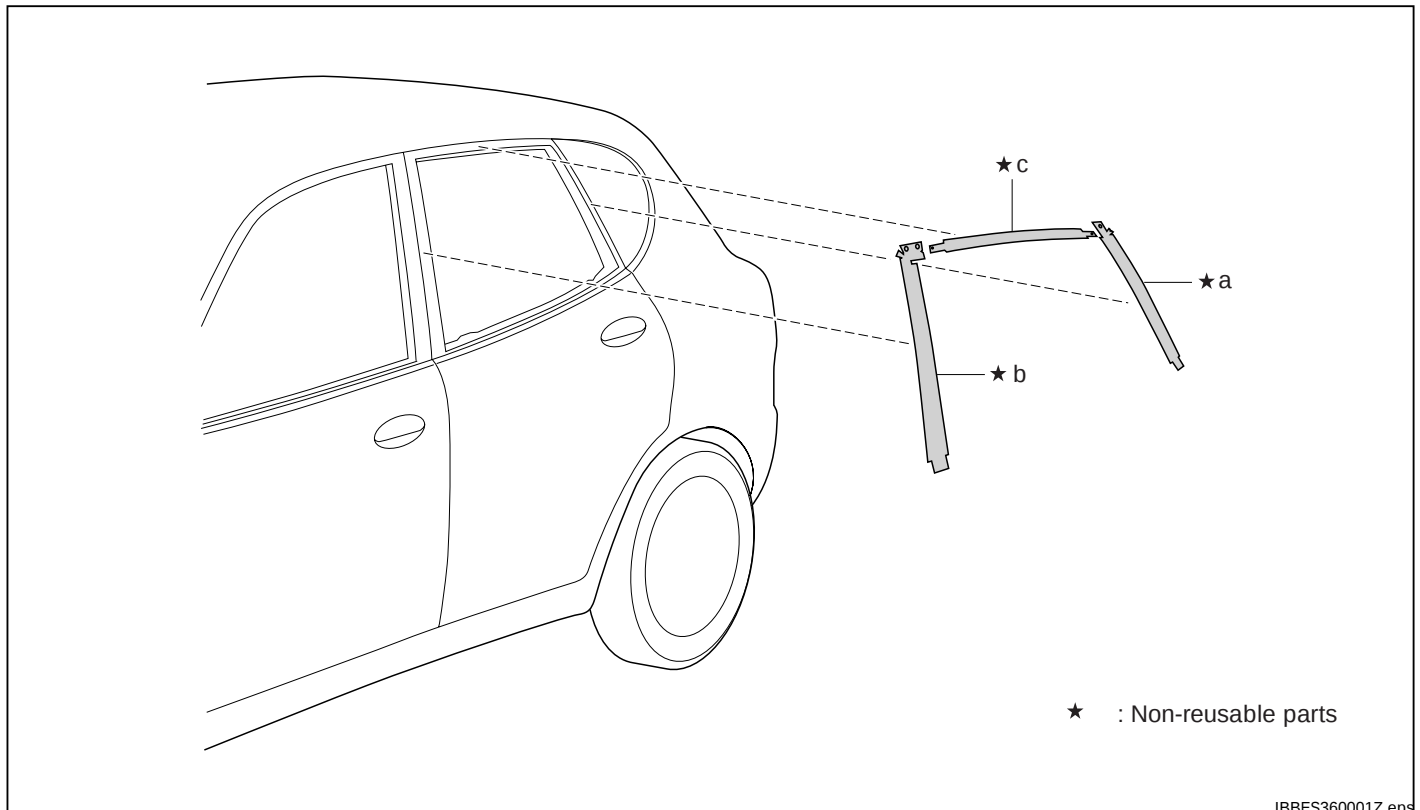
BBE-BOR-D-B-00001

4-1-3 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS

CAUTION

- When the blackout tape No.6 is replaced, be sure to replace the blackout tapes No.5 and No.7 at the same time.



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(2) REMOVAL AND INSTALLATION PROCEDURES

- ① ③ a Tape, black out no.7
- ② ② b Tape, black out no.5
- ③ ① c Tape, black out no.6

BBE-BOR-D-T-00001

4-1-4 POINTS OF REMOVAL

1. Be sure to slowly peel off the tape from its edge.

NOTE

- If any difficulty is encountered in peeling off the tape due to seizure, for easier peeling off, warm up the tape, using a dryer.

BBE-BOR-D-D-00001

4-1-5 POINTS OF INSTALLATION

CAUTION

- Be sure to perform the operation in a room not affected by dust or wind.
- The affixing operation should be carried out at an ambient temperature between 15°C and 25°C.
- During cold period, be sure to warm up the adhesive surface of the door sash and the tape, using a dryer. Then, proceed to the operation.

(1) BLACK OUT TAPE NO.6

CAUTION

- When the blackout tape No.6 is replaced, be sure to replace the blackout tapes No.5 and No.7 at the same time.

1. Completely wipe off smear, foreign matters or oil from the adhesive surface of the door sash, using alcohol.

CAUTION

- If a tape is affixed when any trace of bond or dust still remains on the adhesive surface, it may result in inadequate adhesion and poor appearance, such as blisters. Therefore, be certain to thoroughly wipe off dust, etc.

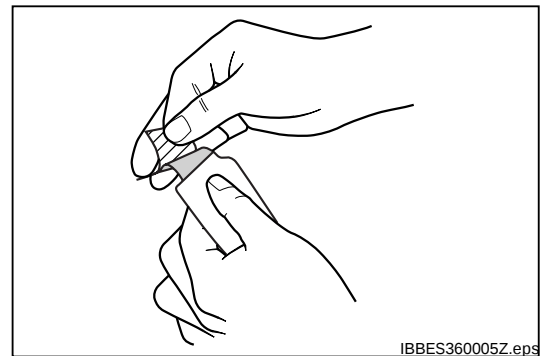
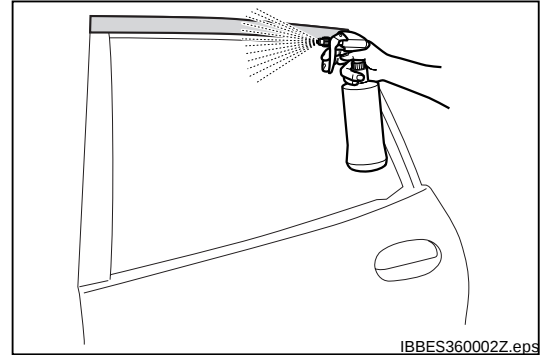
2. Wind a cloth around the spatula.

NOTE

- Winding of a cloth will result in smoother slide when pressure is applied, thus assuring easier operation.

3. Thoroughly spray a mixture of tap water and neutral detergent in the ratio of 100:1 on the adhesive surface of the door sash, using a sprayer, etc.

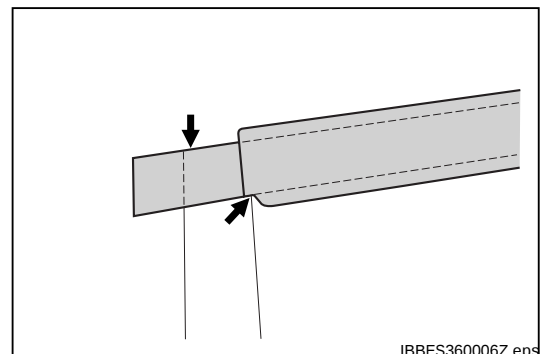
4. Peel off the protective film at the left side of the tape.



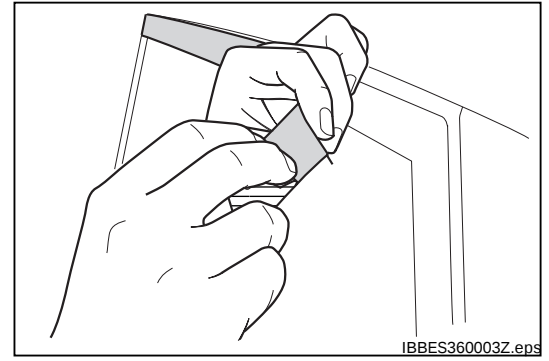
5. Temporarily affix the tape while aligning the tape edge, upper edge of the sash and cutout section of the tape with the corner section of the door sash.

CAUTION

- Ensure that the tape has been affixed temporarily in parallel with the door sash and that the wrapped-in margin of Approx. 5 mm is assured at the upper side.



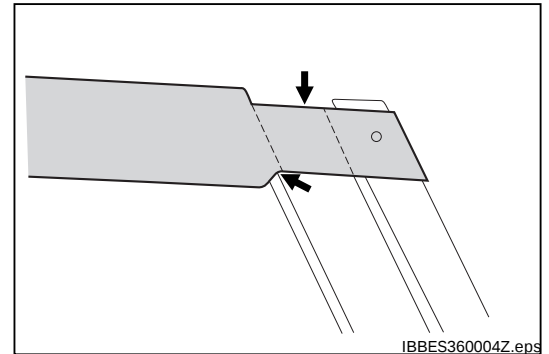
6. Peel off the protective film at the right side of the tape.



7. Temporarily affix the tape while aligning the tape edge, upper edge of the sash and cutout section of the tape with the corner section of the door sash.

CAUTION

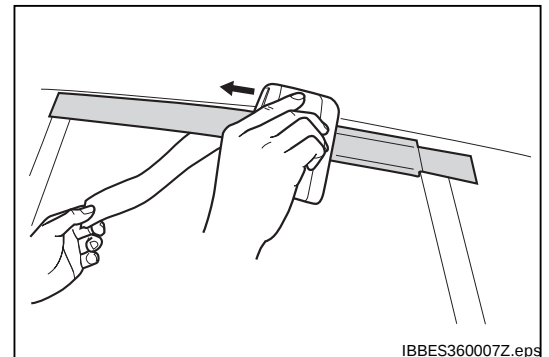
- Ensure that the tape has been affixed temporarily in parallel with the door sash and that the wrapped-in margin of Approx. 5 mm is assured at the upper side.



8. Affix the tape, using a spatula, by peeling off the protective film about 15 cm at a time.

CAUTION

- Be sure to affix the tape in parallel with the door sash.
- During the operation, always make sure that the wrapped-in margin of Approx. 5 mm is assured at the upper side.



9. Confirm the positional relationship of affixing operation again.

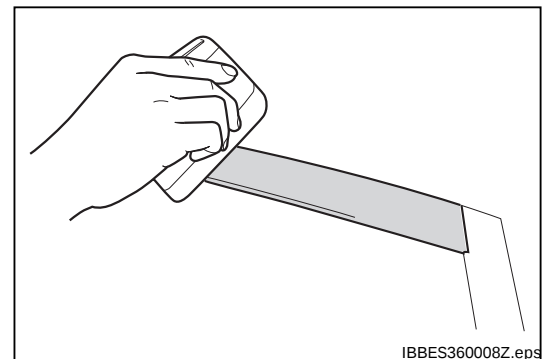
CAUTION

- In cases where the affixing operation has not been done correctly, be sure to affix the tape again.

10. After affixing the tape, press the tape firmly in such a way that water may be expelled, using the spatula.

CAUTION

- In cases where water remains between the tape and the door sash, it will result in poor adhesion due to admission of air. Therefore, be sure to expel water while pressing the tape thoroughly and firmly.

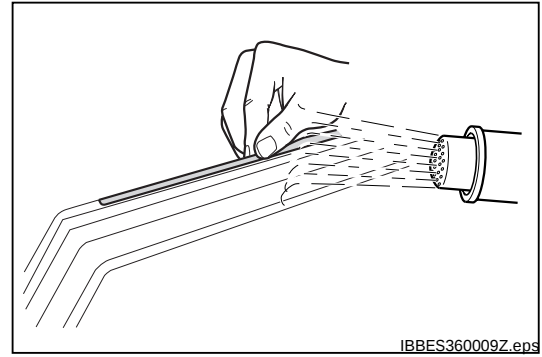


11. Make a folding line at the wrapped-in section of the tape, using a spatula. (Both sides)

12. While lightly warming up the wrapped-in section of the tape with a dryer, fold in the wrapped-in section of the tape with fingers. (Both sides)

CAUTION

- Do not apply heat excessively.



13. Press the whole tape firmly. After having wiped off water from the tape, allow the tape to dry naturally.

(2) BLACK OUT TAPE NO.5

CAUTION

- Perform the operation after the blackout tape No.6 has been affixed.

1. Completely wipe off smear, foreign matters or oil from the adhesive surface of the door sash, using alcohol.

CAUTION

- If a tape is affixed when any trace of bond or dust still remains on the adhesive surface, it may result in inadequate adhesion and poor appearance, such as blisters. Therefore, be certain to thoroughly wipe off dust, etc.

2. Apply primer to the door sash in the zone indicated in the figure on the right.

SPECIFIED VALUE: 150 mm from the lower edge of the door sash
4 mm or more from the top of the door sash R

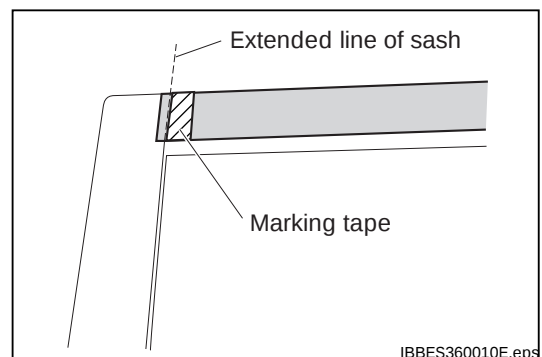
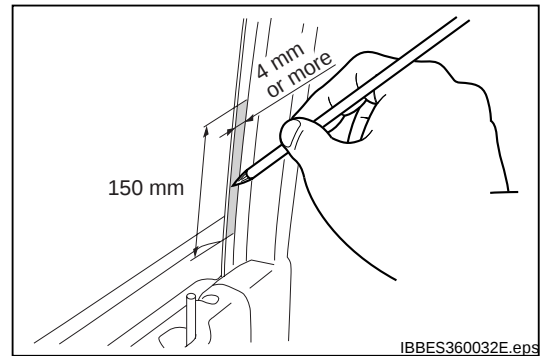
CAUTION

- The primer should be applied evenly.
- In cases where a period of 24 hours has elapsed after the application, be sure to apply the primer again.
- The primer application operation should be carried out in a well-ventilated area. If the primer gets to your hand, etc., be sure to immediately wash it away.

3. Affix a marking tape aligning with the extended line of the sash in such a way that the tape becomes parallel to the sash.

CAUTION

- If a marking tape having strong adhesion is used, the blackout tape may be peeled off together when peeling off the marking tape or the adhesive agent of the marking tape may remain on the surface. Therefore, it is recommended to use a tape, such as a mending tape, that can be easily peeled off.



4. Wind a cloth around the spatula.

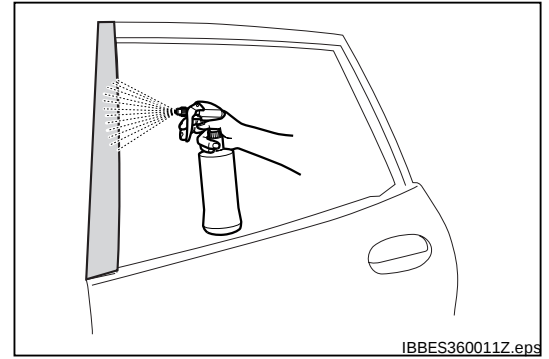
NOTE

- Winding of a cloth will result in smoother slide when pressure is applied, thus assuring easier operation.

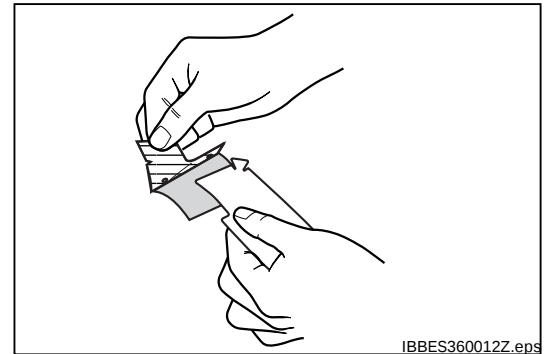
5. Thoroughly spray a mixture of tap water and neutral detergent in the ratio of 100:1 on the adhesive surface of the door sash, using a sprayer, etc.

CAUTION

- Proceed to the operation after the primer has dried.



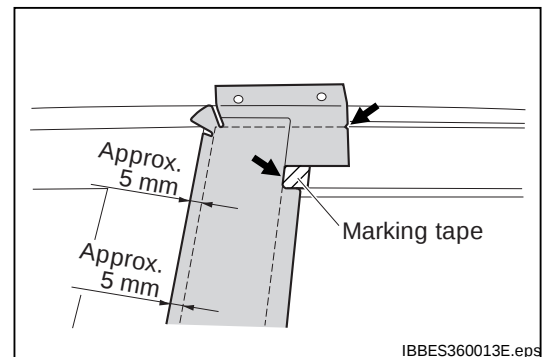
6. Peel off the protective film at the upper edge of the tape.



7. Temporarily affix the U-shaped section of the tape in parallel with the marking tape while aligning the cutout section of the tape with the upper edge of the sash.

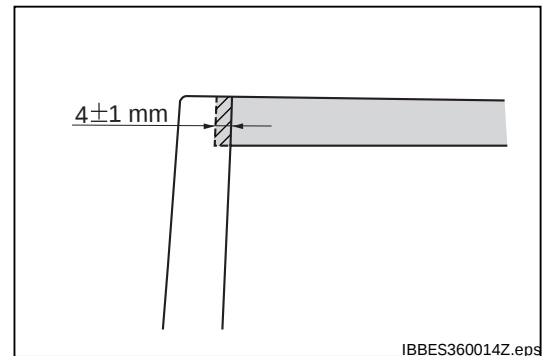
CAUTION

- Ensure that the tape has been affixed temporarily in parallel with the door sash and that the wrapped-in margin of Approx. 5 mm is assured at the left side.

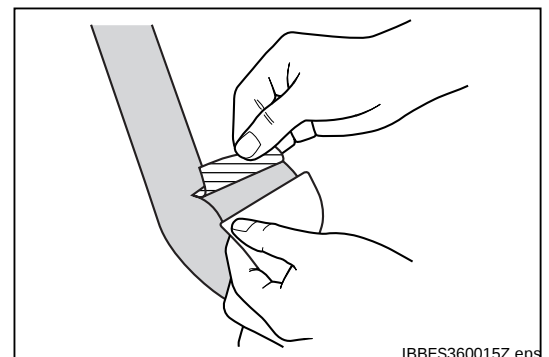


NOTE

- Set the overlapping margin with the blackout tape No.6, as indicated in the figure on the right.

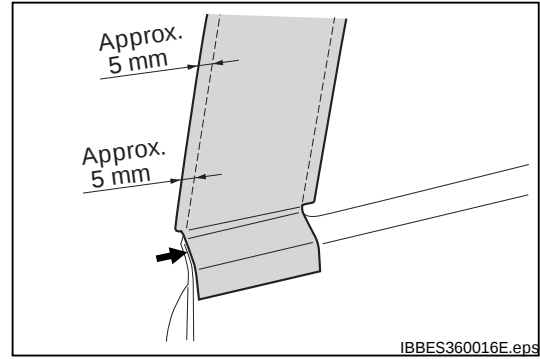


8. Peel off the protective film at the lower edge of the tape.



BBE-16

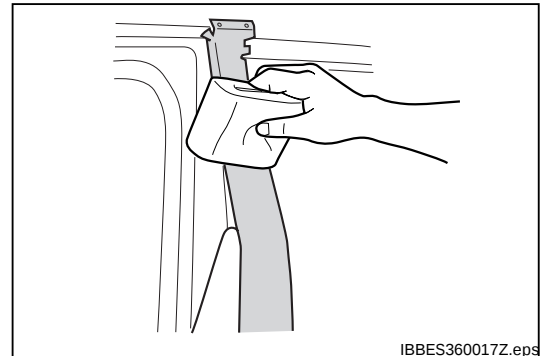
9. Temporarily affix the tape while aligning its lower edge with the door shape.



10. Peel off the protective film up to the midpoint. Then, affix the tape from the top, using the spatula.

CAUTION

- In order to prevent the tape position from displacement, securely hold the lower edge of the tape.



11. After affixing the tape up to the point immediately before the protective film, affix the rest of the tape, following the same procedure.

12. Confirm the positional relationship of affixing operation again.

CAUTION

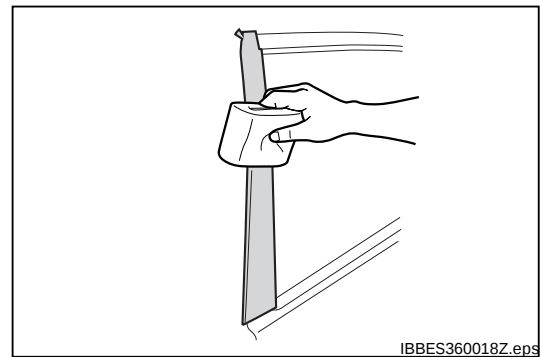
- In cases where the affixing operation has not been done correctly, be sure to affix the tape again.

13. After affixing the tape, press the tape firmly in such a way that water may be expelled, using the spatula.

CAUTION

- In cases where water remains between the tape and the door sash, it will result in poor adhesion due to admission of air. Therefore, be sure to expel water while pressing the tape thoroughly and firmly.

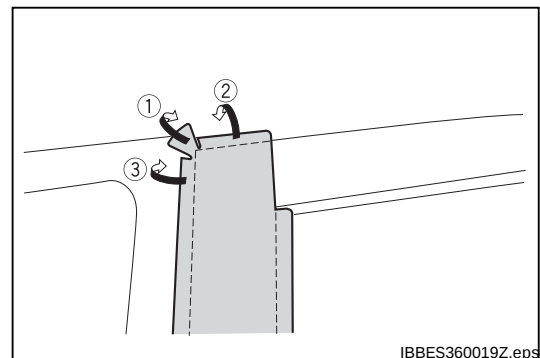
14. Make a folding line at the wrapped-in section of the tape, using a spatula. (Both right and left sides)



15. While lightly warming up the corner section of the sash with a dryer, fold in the corner section in the sequence indicated in the figure on the right.

CAUTION

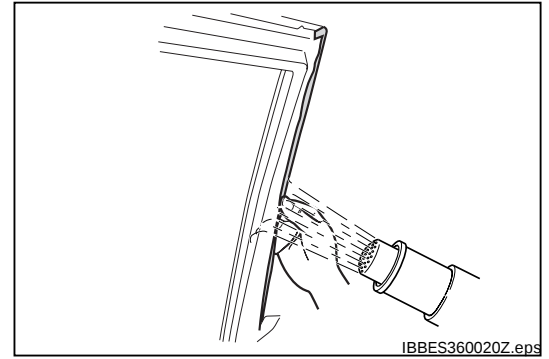
- Do not apply heat excessively.



16. While lightly warming up the wrapped-in section of the tape with a dryer, fold in the wrapped-in section with fingers. (Both right and left sides)

CAUTION

- Do not apply heat excessively.



17. Press the whole tape firmly. After having wiped off water from the tape, allow the tape to dry naturally.

(3) BLACK OUT TAPE NO.7

CAUTION

- Perform the operation after the blackout tape No.6 has been affixed.

1. Completely wipe off smear, foreign matters or oil from the adhesive surface of the door sash, using alcohol.

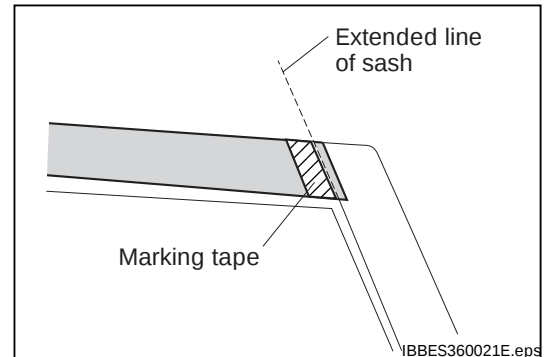
CAUTION

- If a tape is affixed when any trace of bond or dust still remains on the adhesive surface, it may result in inadequate adhesion and poor appearance, such as blisters. Therefore, be certain to thoroughly wipe off dust, etc.

2. Affix a marking tape aligning with the extended line of the sash in such a way that the tape becomes parallel to the sash, as indicated in the figure on the right.

CAUTION

- If a marking tape having strong adhesion is used, the blackout tape may be peeled off together when peeling off the marking tape or the adhesive agent of the marking tape may remain on the surface. Therefore, it is recommended to use a tape, such as a mending tape, that can be easily peeled off.

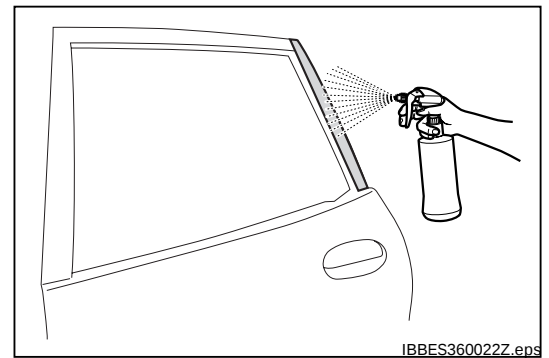


3. Wind a cloth around the spatula.

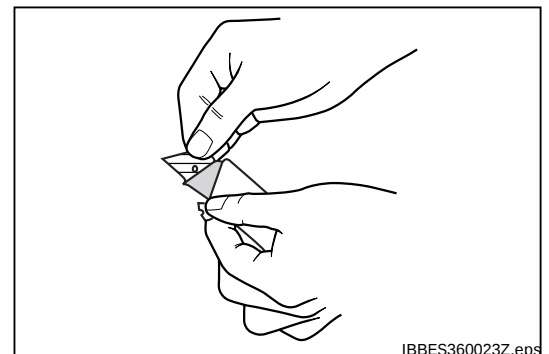
NOTE

- Winding of a cloth will result in smoother slide when pressure is applied, thus assuring easier operation.

4. Thoroughly spray a mixture of tap water and neutral detergent in the ratio of 100:1 on the adhesive surface of the door sash, using a sprayer, etc.



5. Peel off the protective film at the upper edge of the tape.

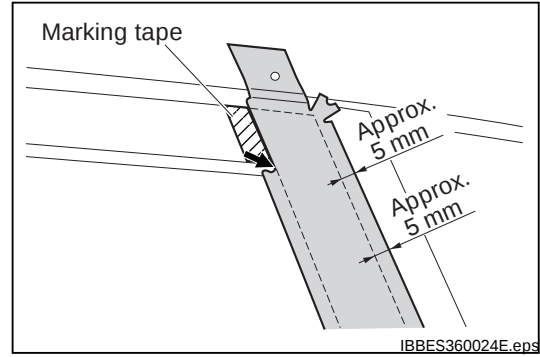


BBE-18

6. Temporarily affix the tape in parallel with the marking tape while aligning the cutout section of the tape with the corner of the sash, as indicated in the figure on the right.

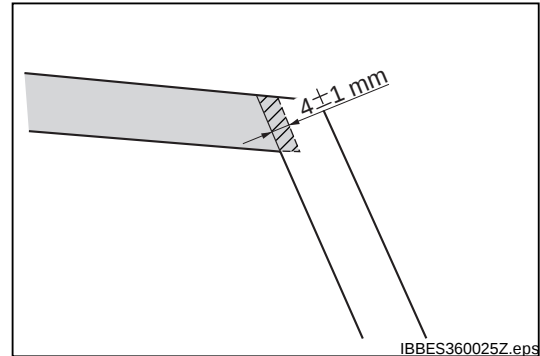
CAUTION

- Ensure that the tape has been affixed temporarily in parallel with the door sash and that the wrapped-in margin of Approx. 5 mm is assured at the right side of the tape.

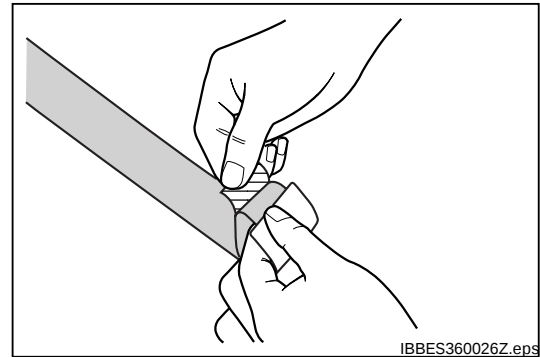


NOTE

- Set the overlapping margin with the blackout tape No.6, as indicated in the figure on the right.



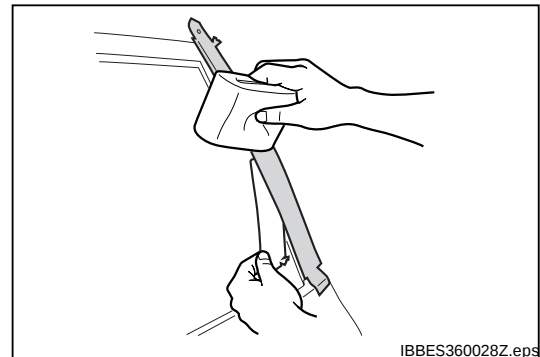
7. Peel off the protective film at the lower edge of the tape.



8. Temporarily affix the tape while aligning its lower edge with the door shape.
9. Peel off the protective film up to the midpoint. Then, affix the tape from the top, using the spatula.

CAUTION

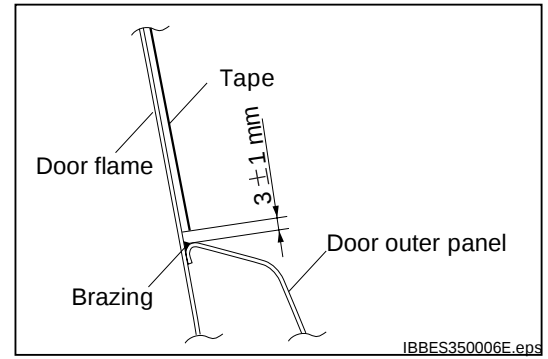
- In order to prevent the tape position from displacement, securely hold the lower edge of the tape.



10. After affixing the tape up to the point immediately before the protective film, affix the rest of the tape, following the same procedure.
11. Confirm the positional relationship of affixing operation again.

CAUTION

- In cases where the affixing operation has not been done correctly, be sure to affix the tape again.

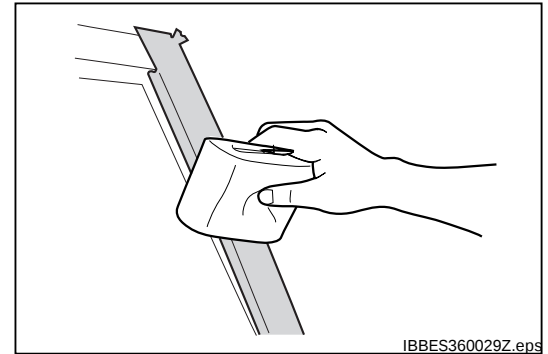


12. After affixing the tape, press the tape firmly in such a way that water may be expelled, using the spatula.

CAUTION

- In cases where water remains between the tape and the door sash, it will result in poor adhesion due to admission of air. Therefore, be sure to expel water while pressing the tape thoroughly and firmly.

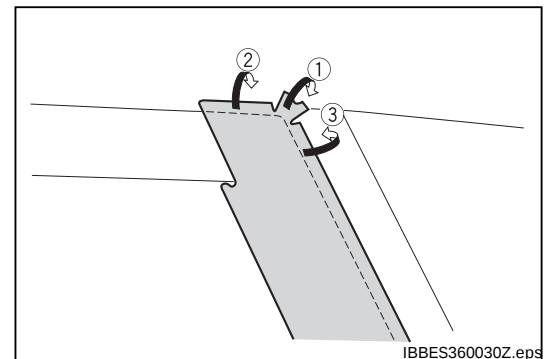
13. Make a folding line at the wrapped-in section of the tape, using a spatula. (Both right and left sides)



14. While lightly warming up the corner section of the sash with a dryer, fold in the corner section in the sequence indicated in the figure on the right.

CAUTION

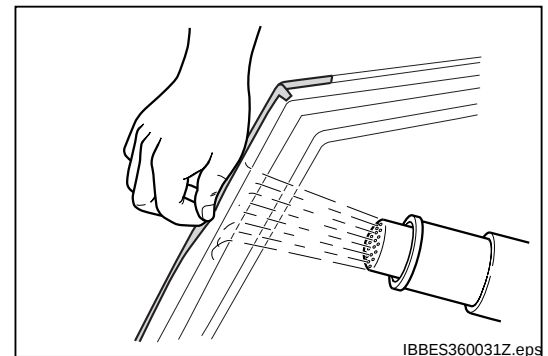
- Do not apply heat excessively.



15. While lightly warming the wrapped-in section of the tape with a dryer, fold in the wrapped-in section with your fingers. (On both right and left sides)

CAUTION

- Do not apply heat excessively.



16. Press the whole tape firmly. After having wiped off water from the tape, allow the tape to dry naturally.

BBE-BOR-D-S-00001

4-1-6 OPERATION AFTER INSTALLATION

1. Install the rear door weatherstrip.
2. Install the rear door glass outer weatherstrip.
3. Install the rear door glass run.
4. Install the rear door glass.
5. Install the rear door window guide S/A.

BBE-BOR-D-A-00001

5 HEAD LIGHT

5-1 REMOVAL AND INSTALLATION

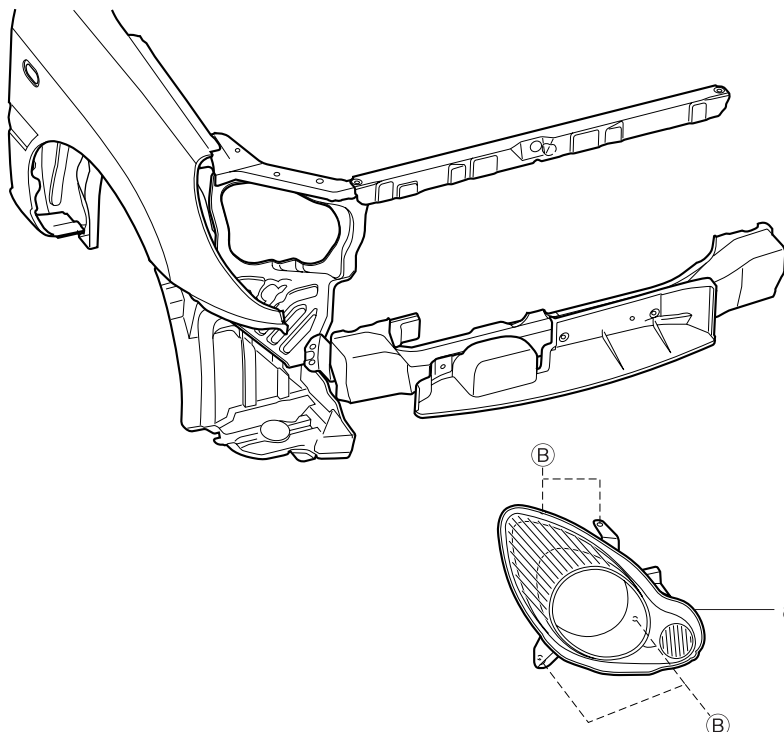
5-1-1 OPERATION BEFORE REMOVAL

1. Remove the negative (–) terminal of the battery.
2. Remove the front bumper.
Refer to Page BBE-2.

BBE-HL-D-B-00001

5-1-2 REMOVAL AND INSTALLATION PROCEDURES

(1) COMPONENTS



(2) REMOVAL AND INSTALLATION PROCEDURES

- 1 1 a headlight Ay

BBE-HL-D-T-00001

5-1-3 OPERATION AFTER INSTALLATION

1. Install the front bumper.
Refer to Page BBE-2.
2. Install the negative (–) terminal of the battery.

BBE-HL-D-A-00001

5-2 AIMING ADJUSTMENT

5-2-1 VEHICLE CONDITIONS

1. Set the tire air pressure to the specified value. The aiming adjustment should be conducted with one person (Weight: 75 kg) riding in the driver's seat.
2. With fuel, engine oil, transmission oil, and windshield washer fluid filled, mount the spare tire, tools and jack at the specified position.
3. Rock the vehicle vertically and transversely so that the suspensions may be settled to a normal state.

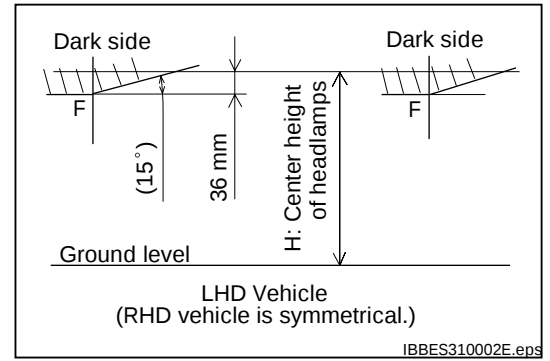
NOTE

- The engine speed should be set to 1500 rpm or more. Set the leveling control switch to the 0 position. (Vehicles equipped with headlight leveling device)

BBE-HL-A-V-00001

5-2-2 ADJUSTMENT

1. With a screen placed on a level floor, put the headlight perpendicular to the screen at a distant of 3 m from the screen.
2. Put the reference point of the headlight focus on the screen.
3. On the screen draw an adjustment line, which is 36 mm deducted from the center height of the headlight.
4. On the screen set a vertical straight line that passes through the center of each headlight on the right and left sides. Establish Point F, which is the intersection of the adjustment line with each vertical straight line.
5. Turn ON the lower beam of the headlight. Adjust the adjusting screw so that the headlight aims at Point F on the screen.



BBE-HL-A-A-00001

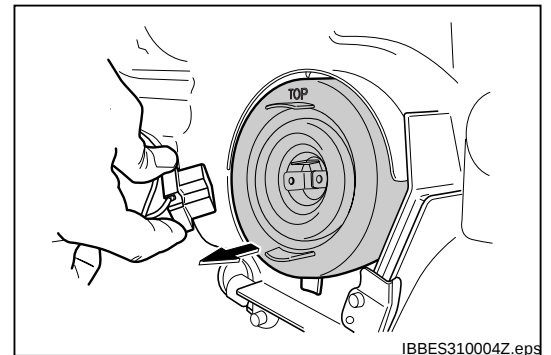
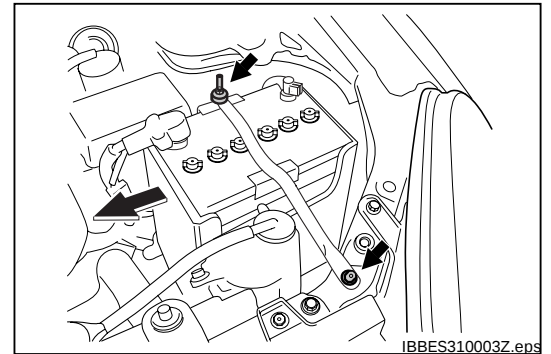
5-3 LIGHT BULB REPLACEMENT

5-3-1 REPLACEMENT PROCEDURE

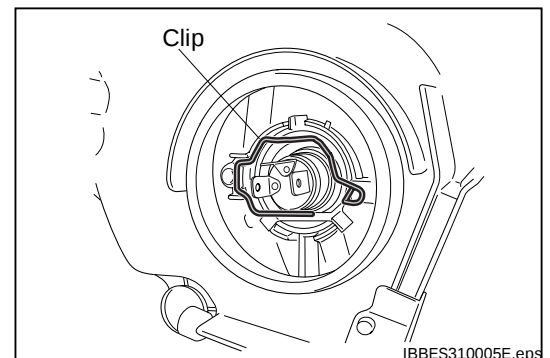
(1) HEADLIGHT BULB

CAUTION

- Do not touch the glass section of the bulb.
1. Loosen the battery bracket bolts, as required. Move the battery toward the center of the vehicle.
 2. Disconnect the connector of the headlight.

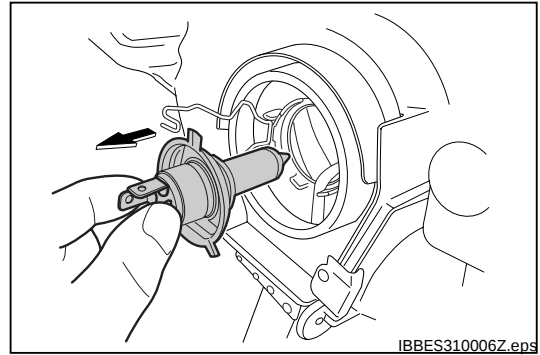


3. Detach the rubber cover.
4. Remove the clip.

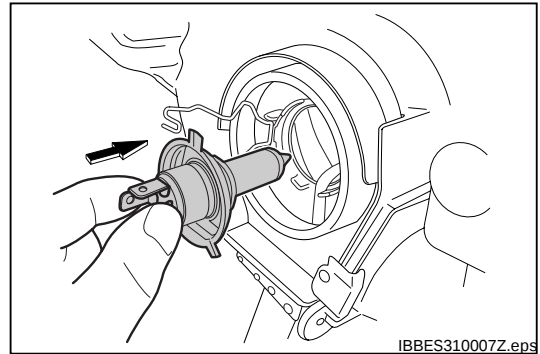


BBE-22

5. Remove the bulb.



6. Install the bulb. Lock it with the clip.



7. Install the rubber cover.

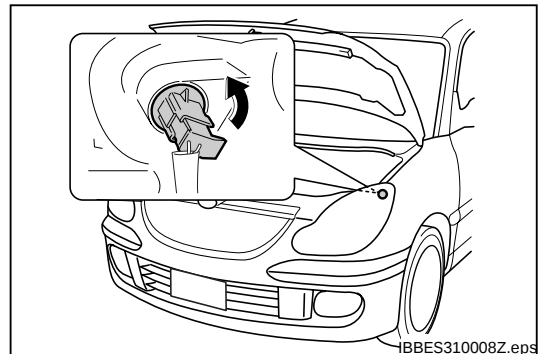
CAUTION

- The position bearing the “Top” mark should come at the top position.

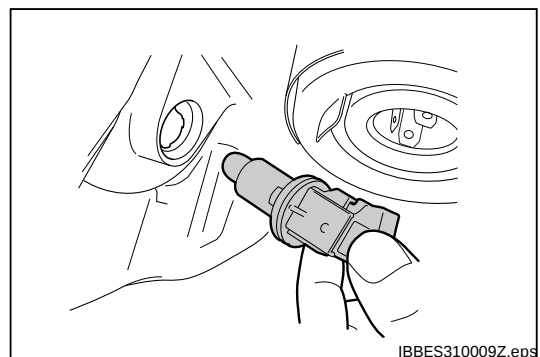
8. Connect the connector of the headlight.
9. Return the battery to the original position and secure it.

(2) CLEARANCE LIGHT BULB

1. Turn the bulb socket about 45 ° counterclockwise so as to remove it.

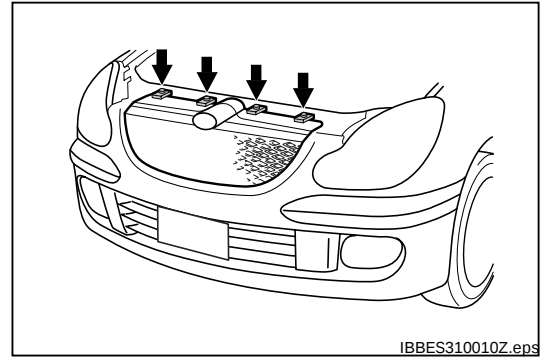


2. Pull out the bulb socket.

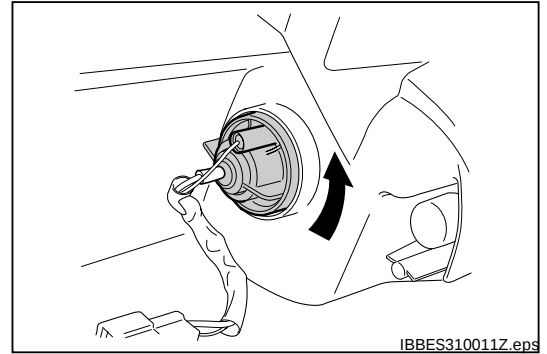


(3) TURN SIGNAL LIGHT BULB

1. Detach the clips. Remove the front grill.



2. Turn the bulb socket about 45 ° counterclockwise so as to remove it.



3. Turn the bulb counterclockwise while pushing it so as to remove it.
4. Replace the bulb. Reverse the removal procedure so as to restore the original state.

BBE-HL-R-K-00001

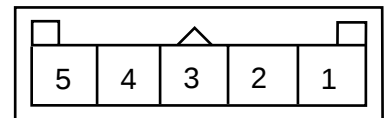
6 HEAD LIGHT LEVELING**6-1 UNIT CHECK****6-1-1 HEAD LIGHT LEVELING SWITCH**

1. Ensure that resistance between the respective terminals as conforms to following specifications.
SPECIFIED VALUE: Resistance between respective terminals.

Terminal 1 - 2	Position 0	Approx. 2.3 kΩ
	Position 1	Approx. 1.7 kΩ
	Position 2	Approx. 1.4 kΩ
	Position 3	Approx. 1.0 kΩ
	Position 4	Approx. 0.7 kΩ
Terminal 1 - 5	Each position	Approx. 3.0 kΩ

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Connector
(Head light leveling switch side)



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BBE-HLL-U-S-00002

6-2 AIMING ADJUSTMENT

6-2-1 VEHICLE CONDITIONS

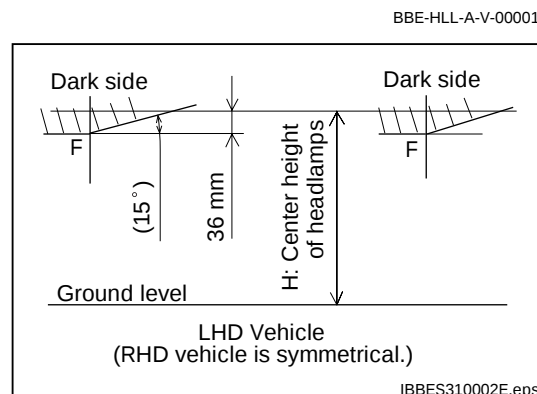
1. Set the tire air pressure to the specified value. The aiming adjustment should be conducted with one person (Weight: 75 kg) riding in the driver's seat.
2. With fuel, engine oil, transmission oil, and windshield washer fluid filled, mount the spare tire, tools and jack at the specified positions.
3. Rock the vehicle vertically and transversely so that the suspensions may be settled to a normal state.

NOTE

- The engine speed should be set to 1500 rpm or more.
- Set the leveling control switch to the 0 position.

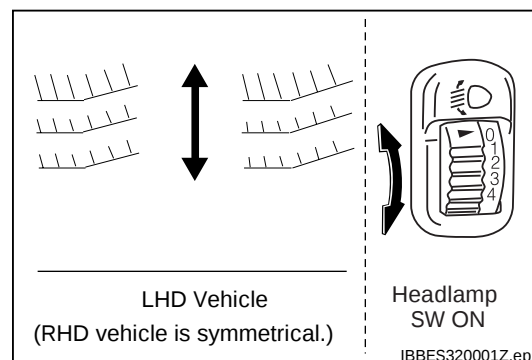
6-2-2 ADJUSTMENT

1. With a screen placed on a level floor, put the headlight perpendicular to the screen at a distant of 3 m from the screen.
2. Put the reference point of the headlight focus on the screen.
3. On the screen draw an adjustment line, which is 36 mm deducted from the center height of the headlight.
4. On the screen set a vertical straight line that passes through the center of each headlight on the right and left sides. Establish Point F, which is the intersection of the adjustment line with each vertical straight line.
5. Turn ON the lower beam of the headlight. Adjust the adjusting screw so that the headlight aims at Point F on the screen.
6. Turn the headlight leveling switch in a sequence of 0-1-2-3-4. Ensure that the aiming moves downward.



Position	Stroke
0 - 1	63 mm
1 - 2	21 mm
2 - 3	42 mm
3 - 4	31 mm

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NOTE

- The headlight leveling system functions only when the headlight switch is set to the ON position.

BBE-HLL-A-A-00001

7 FRONT FOG LIGHT

7-1 AIMING ADJUSTMENT

7-1-1 VEHICLE CONDITIONS

1. Set the tire air pressure to the specified value. The aiming adjustment should be conducted with one person (Weight: 75 kg) riding in the driver's seat.
2. With fuel, engine oil, transmission oil, and windshield washer fluid filled, mount the spare tire, tools and jack at the specified positions.
3. Rock the vehicle vertically and transversely so that the suspensions may be settled to a normal state.

NOTE

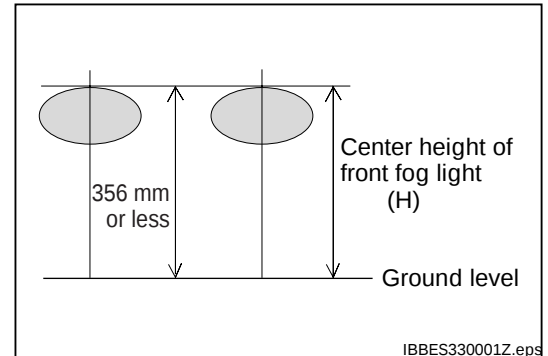
- The engine speed should be set to 1500 rpm or more.

BBE-FFL-A-V-00001

7-1-2 ADJUSTMENT

1. With a screen placed on a level floor, put the fog lamp perpendicular to the screen at a distant of 3 m from the screen.
2. Put the reference point of the fog lamp focus on the screen.
3. Measure the center height "H" of the fog lamp.
4. Draw the center height "H" line of the fog lamp on the screen.

SPECIFIED VALUE: It should be 356 mm or less above the ground.



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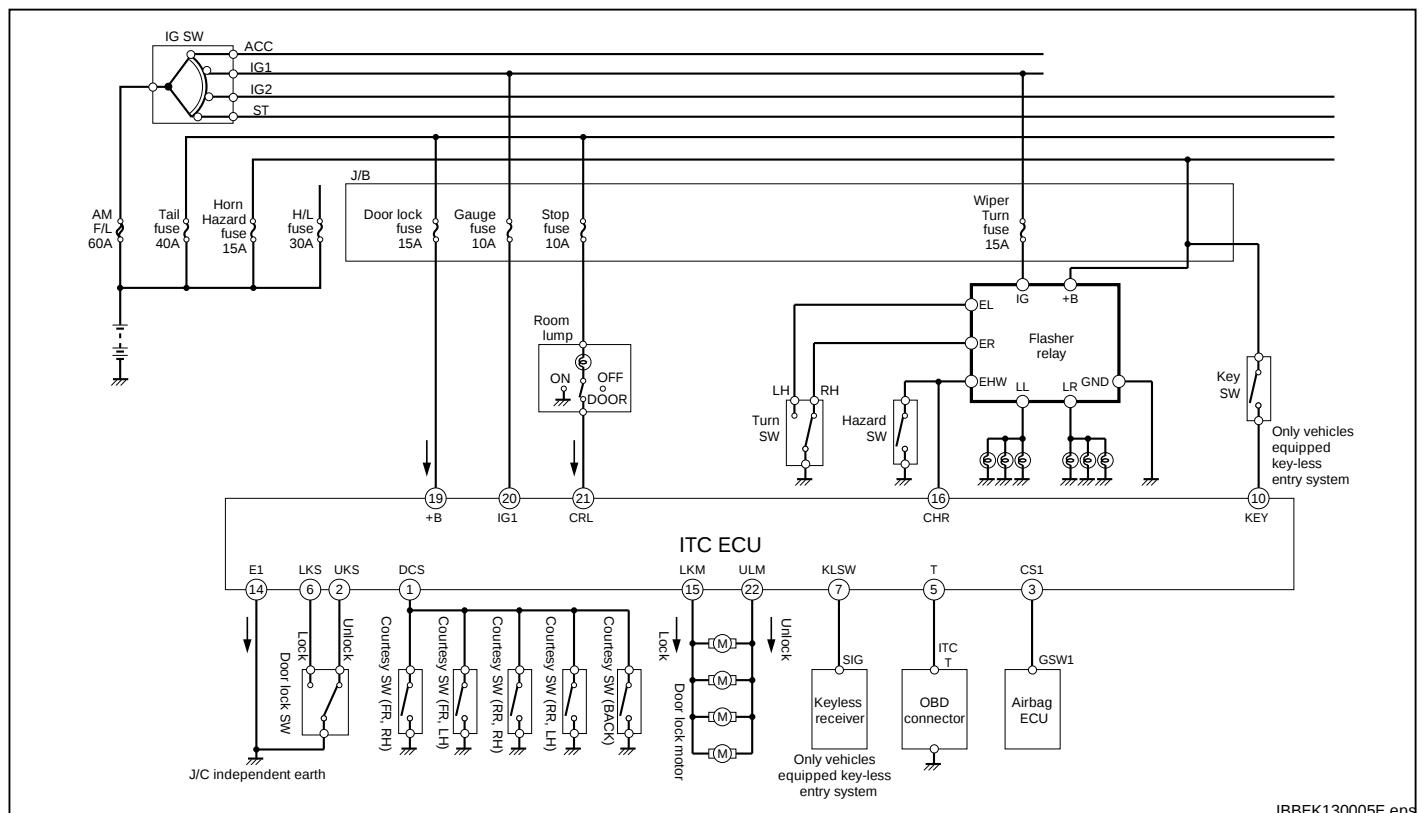
5. Ensure that the light of the fog lamp projected on the screen is below the "H" line.

BBE-FFL-A-A-00001

8 ITC SYSTEM

8-1 OUTLINE OF SYSTEMS

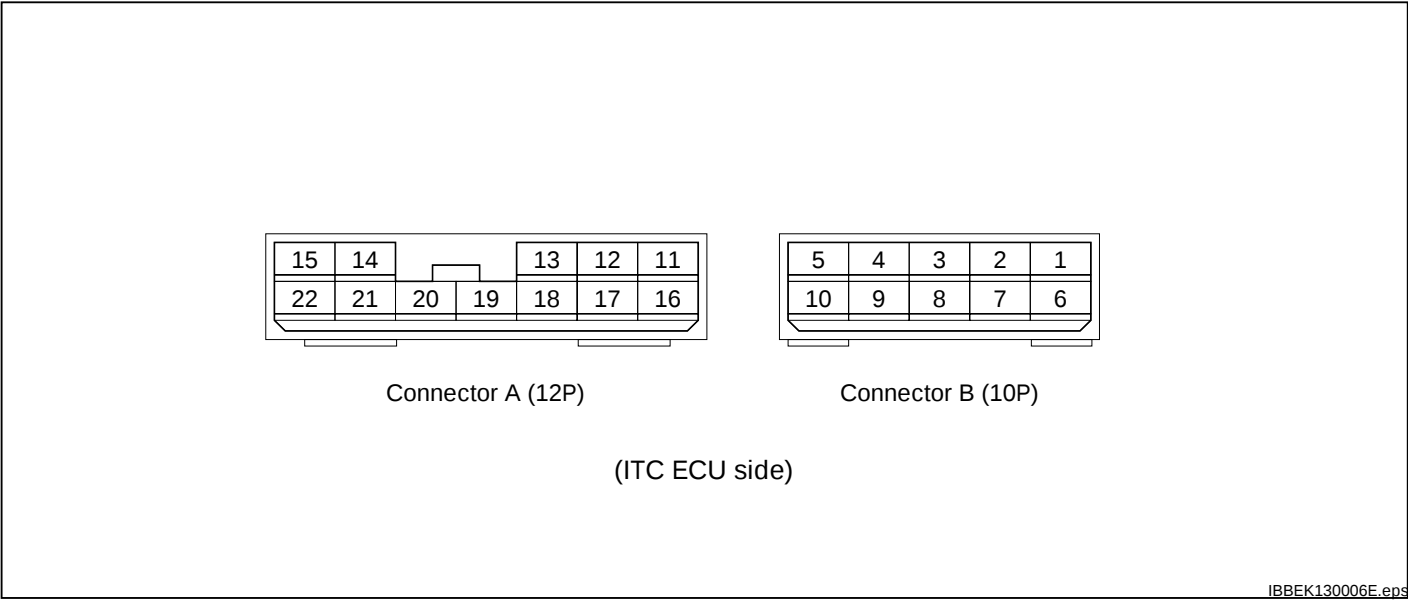
8-1-1 CIRCUIT DIAGRAM



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BBE-ITC-O-W-00001

8-1-2 ARRANGEMENT OF ECU TERMINAL



No.	Code	Terminal name	No.	Code	Terminal name
1	DCS	Door courtesy switch	12	—	—
2	UKS	Door control unlock side switch	13	—	—
3	CS1	Airbag ECU (Pulse signal input)	14	E1	Ground
4	—	—	15	LKM	Door lock motor lock side output
5	T	Check terminal	16	CHR	Hazard lamp driving output
6	LKS	Door control lock side switch	17	—	—
7	KLSW	Keyless signal	18	—	—
8	—	—	19	+B	ECU power supply
9	—	—	20	IG1	Ignition switch
10	KEY	Key switch	21	CRL	Room lump driving output
11	—	—	22	ULM	Door lock motor unlock side output

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BBE-ITC-O-E-00001