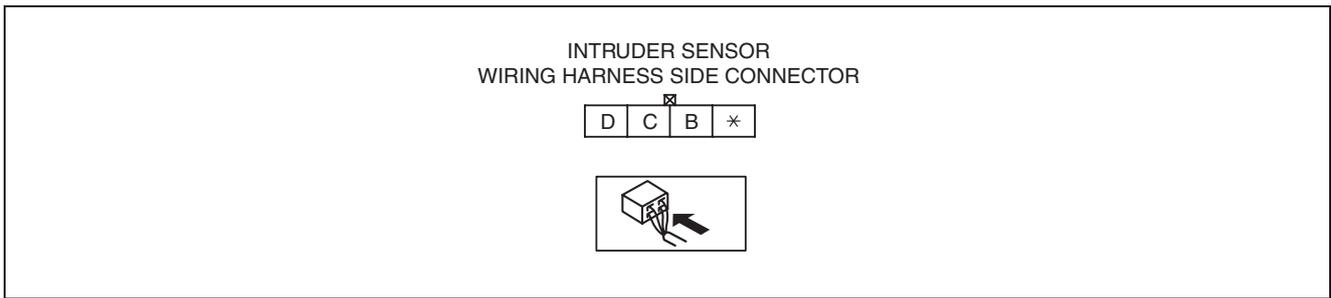


SECURITY AND LOCKS

Terminal Voltage Table (Reference)

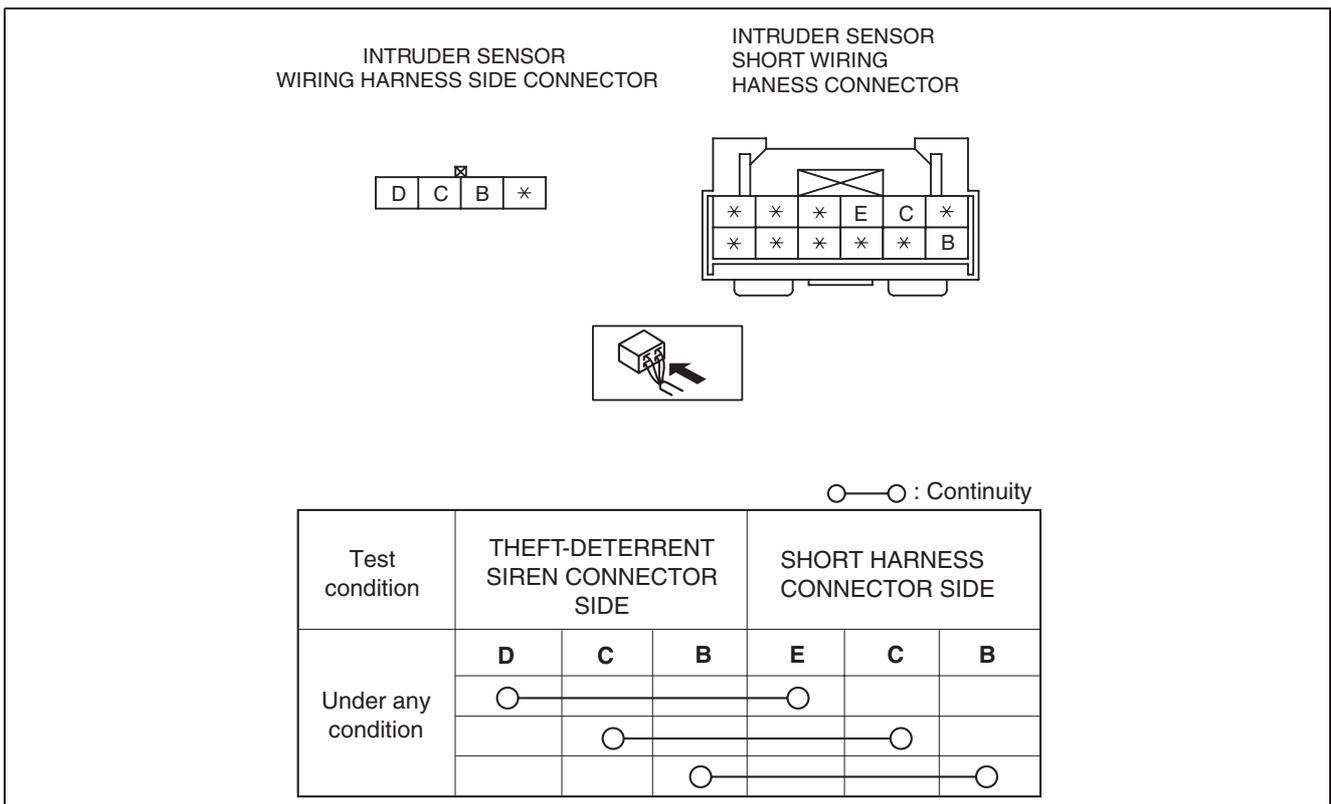


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Terminal	Signal name	Connected to	Measurement condition	Voltage (V)	Inspection item(s)
B	GND	Body ground	Under any condition	1.0 or less	Ground
C	DATA	Theft-deterrent control module	Terminal used for communication therefore determination based on terminal voltage inspection not possible.		
D	Power supply	BCM	Under any condition	B+	BCM

Continuity Inspection Of Short Wiring Harness Connector

- Verify that the continuity between the short wiring harness connector terminals is as indicated in the table.
 - If the continuity is not as indicated in the table, replace the short wiring harness connector.



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IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [ADVANCED KEYLESS AND START SYSTEM]

id0914004419b0

Foreword

- When replacing immobilizer system-related parts or programming an additional key, program the immobilizer system-related parts so that the system operates normally. For immobilizer system-related parts programming, Select programming procedures according to the service. (See 09-14-137 Selection of Procedure for Immobilizer System-Related Parts Programming.)

Caution

- If any metallic or magnetic object is near the key, communication between the key and the vehicle

SECURITY AND LOCKS

may be obstructed, resulting in a failure to program the immobilizer system-related parts. Remove any metallic or magnetic objects, such as key holders, from the key when programming immobilizer system-related parts.

- If any of the following devices are inside the vehicle, programming of immobilizer system-related parts may fail. Do not bring any of the following devices or similar products inside the vehicle when programming immobilizer system-related parts.
 - Advanced key
 - M-MDS
 - Personal computer
 - Devices that can send/receive radio waves
- If the engine is started during immobilizer system-related parts programming, the programming mode cancels. Therefore, do not start the engine unless indicated in the procedure. Repeat the procedure from the beginning if the engine is started during the immobilizer system-related parts programming.
- If an advanced key is near the vehicle during immobilizer system-related parts programming, it may be programmed mistakenly. Keep advanced keys 1 m away from the vehicle unless indicated in the procedure.

Note

- The “Valid key” or “Valid advanced key” referred to in this manual indicates the key that can start the engine.
- Two or more key ID numbers must be programmed for the engine to start.
- A maximum of eight key ID numbers can be programmed for one vehicle.
- The number of programmed key ID numbers can be verified using the M-MDS.
- Do not select any screen menu other than the ones indicated in the procedure during M-MDS operation.

Selection of Procedure for Immobilizer System-Related Parts Programming

1. Verify that the room fuse is equipped.
2. Select applicable programming procedure from the service content of the immobilizer system-related parts.

Immobilizer System-Related Parts Service and Programming Procedure Table

No.	Service	Programming procedure
1	Additional key programming	Have two or more valid keys (See 09-14-138 No.1 Additional Key Programming Procedure (Using Two Valid Keys).)
2		Have one valid key or valid advanced key (See 09-14-139 No. 2 Additional Key Programming Procedure (Using the M-MDS).)
3	Additional key programming procedure setting	Disable programming using valid keys (See 09-14-140 No.3 Additional Key Programming Procedure Changing.)
		Enable programming using valid keys
4	Programming due to PCM replacement	(See 09-14-141 No.4 Programming Procedure Due to PCM Replacement.)
5	Programming due to steering lock unit replacement	(See 09-14-142 No.5 Programming Procedure Due to Steering Lock Unit Replacement.)
6	Programming due to keyless control module replacement	(See 09-14-144 No.6 Programming Procedure Due to Keyless Control Module Replacement.)
7	Programming due to simultaneous replacement of immobilizer system-related parts <ul style="list-style-type: none"> • PCM • Keyless control module • Steering lock unit 	(See 09-14-147 No.7 Programming Procedure Due to Simultaneous Replacement of Immobilizer System-related Parts (PCM, Keyless Control Module, and Steering Lock Unit).)
8	Programming due to coil antenna replacement	Programming of immobilizer system-related parts is not necessary
9	Programming after keyless receiver replacement	Programming of immobilizer system-related parts is not necessary

M-MDS Connecting Procedure

Note

- Do not place the M-MDS in the vehicle while programming the immobilizer system.

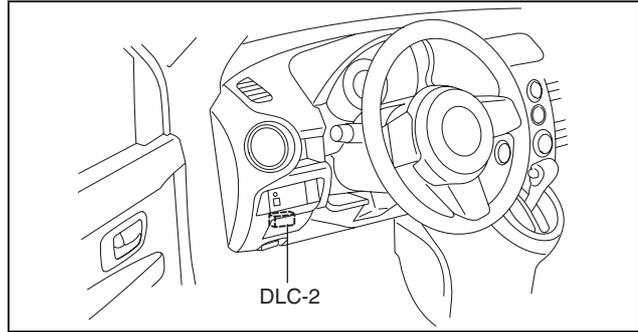
1. Fully lower the door glass.

SECURITY AND LOCKS

2. Connect the M-MDS to the DLC-2.
3. Place the M-MDS outside the vehicle.

Caution

- Cover the vehicle body with a clean rag so as not to damage the vehicle body with the cable.



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No.1 Additional Key Programming Procedure (Using Two Valid Keys)

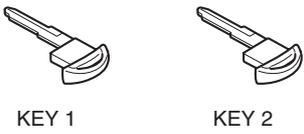
Conditions

- Have two or more valid keys.

Note

- If a key ID number cannot be programmed and DTC 15 is displayed, the maximum number of programmed keys may have been reached. Verify the number of programmed keys using the M-MDS.
- If eight keys have already been programmed and it is necessary to program other keys, the previously programmed key ID numbers must first be cleared.
- If "Customer spare key programming disable" is selected, perform additional key programming using the M-MDS. (See 09-14-139 No. 2 Additional Key Programming Procedure (Using the M-MDS).)

Procedure

VALID KEY	
KEY FOR REGISTRATION	

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Step	Procedure	Action after procedure				
1	START ENGINE 1. Start the engine using key 1. 2. Verify that the security light illuminates for approx. 3 s , and then turns off. 3. Turn the ignition switch to the LOCK position.	Go to the next step.				
2	LAUNCH PROGRAMMING MODE 1. Turn the ignition switch to the ON position using key 1. 2. After verifying that the security light illuminates for approx. 3 s and turns off, turn the ignition switch to the LOCK position within approx. 4 s using key 1. 3. Remove key 1. 4. Turn the ignition switch to the ON position using key 2. 5. After verifying that the security light illuminates for approx. 3 s and turns off, turn the ignition switch to the LOCK position within approx. 4 s using key 2. 6. Remove key 2.	Go to the next step.				
3	PERFORM ADDITIONAL KEY PROGRAMMING 1. Turn the ignition switch to the ON position using key 3. 2. Verify that the security light illuminates for approx. 3 s , and then turns off. 3. Remove key 3. 4. Are there other keys to be programmed?	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; text-align: center;">Yes</td> <td style="text-align: center;">Go back to Step 2.</td> </tr> <tr> <td style="text-align: center;">No</td> <td style="text-align: center;">Go to the next step.</td> </tr> </table>	Yes	Go back to Step 2.	No	Go to the next step.
Yes	Go back to Step 2.					
No	Go to the next step.					

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Step	Procedure	Action after procedure
4	VERIFY KEY PROGRAMMED CORRECTLY <ul style="list-style-type: none"> Verify that the engine can start and run for approx. 5 s or more using all the programmed keys. <p>Note</p> <ul style="list-style-type: none"> When verifying that the engine starts, wait at least approx. 5.s or more before starting the engine using the next key. 	Procedure is completed

No. 2 Additional Key Programming Procedure (Using the M-MDS)

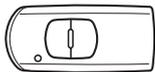
Conditions

- There is only one valid key. Or, there is an advanced key which can start the engine.

Note

- If a key ID number cannot be programmed and DTC 15 is displayed, the maximum number of programmed keys may have been reached. Verify the number of programmed keys using the M-MDS.
- If eight keys have already been programmed and it is necessary to program other keys, the previously programmed key ID numbers must first be cleared.

Procedure

VALID KEY OR ADVANCED KEY  KEY 1	OR	 ADVANCED KEY
KEY FOR RESISTRATION  KEY 2		

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Step	Procedure	Action after procedure
1	START ENGINE <ol style="list-style-type: none"> Start the engine using the key 1 or the advanced key. <p>Caution</p> <ul style="list-style-type: none"> When starting the engine with key 1, key programming may not be performed correctly if the advanced key is inside the vehicle. Do not place the advanced key in the vehicle when starting the engine with key 1. When starting the engine with the advanced key, remove the advanced key from the vehicle after the engine is started. <ol style="list-style-type: none"> Verify that the security light illuminates for approx. 3 s, and then turns off. Turn the ignition switch to the LOCK position. 	Go to the next step.

SECURITY AND LOCKS

Step	Procedure	Action after procedure	
2	<p>PERFORM ADDITIONAL KEY PROGRAMMING</p> <ol style="list-style-type: none"> 1. Connect the M-MDS to the DLC-2. (See 09-14-137 M-MDS Connecting Procedure.) 2. Turn the ignition switch to the ON position using key 2. <p>Note</p> <ul style="list-style-type: none"> • Although the security light starts flashing and DTC 15 is displayed after approx. 1 min, this does not indicate an improper procedure. Continue to perform the procedure as indicated. <ol style="list-style-type: none"> 3. After vehicle identification, Select following from the M-MDS initial screen. <ul style="list-style-type: none"> — Using an IDS (laptop PC) <ol style="list-style-type: none"> 1. Select “Body”. 2. Select “Security”. 3. Select “PATS function”. — Using a PDS (Pocket PC): <ol style="list-style-type: none"> 1. Select “All Tests and Calibrations”. 2. Select “PATS Functions”. 4. Then, select an item from the screen menu. <ul style="list-style-type: none"> • Program Additional Ignition Key 5. Perform the security access according to the directions on the M-MDS screen. <p>Note</p> <ul style="list-style-type: none"> • After executing the above menu, “The operation is successful” is displayed. This indicates that the programming of the key currently in the ignition switch ON position has been completed. <ol style="list-style-type: none"> 6. After verifying that the PATS function menu is displayed again on the M-MDS screen, turn the ignition switch to the LOCK position. 7. Remove key 2. 8. Are there other keys to be programmed? 	Yes	<p>Change the key and repeat Step 2.</p> <p>Note</p> <ul style="list-style-type: none"> • Additional key programming can be performed using the procedure in No.1 Additional Key Programming Procedure (Using Two Valid Keys).
		No	<p>Go to the next step.</p>
3	<p>CLOSE THE M-MDS</p> <ol style="list-style-type: none"> 1. After verifying that the PATS function menu is displayed again on the M-MDS screen, select “Finish (this menu)”. 2. Turn the ignition switch to the LOCK position. 	Go to the next step.	
4	<p>VERIFY KEY PROGRAMMED CORRECTLY</p> <p>Verify that the engine can be started with the programmed key.</p> <p>Note</p> <ul style="list-style-type: none"> • When verifying that the engine starts, wait at least approx. 5.s or more before starting the engine using the next key. 	Procedure is completed	

No.3 Additional Key Programming Procedure Changing

Note

- This procedure is performed for disabling the No.1 Additional Key Programming Procedure (Using Two Valid Keys).
- The setting is “Customer spare key programming enable” when the vehicle is new or the keyless control module is replaced with a new one.

SECURITY AND LOCKS

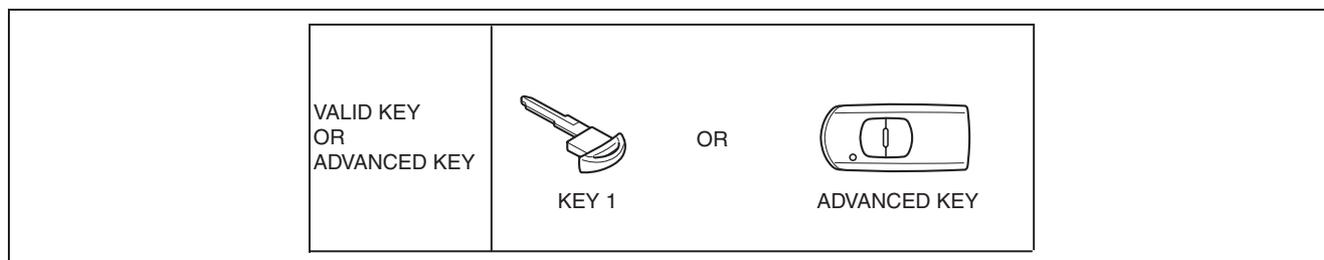
Procedure

Step	Procedure	Action after procedure
1	<p>CHANGE CUSTOMER SPARE KEY PROGRAMMING PROCEDURE</p> <ol style="list-style-type: none"> 1. Connect the M-MDS to the DLC-2. (See 09-14-137 M-MDS Connecting Procedure.) 2. Turn the ignition switch to the ON position using a key (The key can be either the valid key or an unprogrammed key). <p>Note</p> <ul style="list-style-type: none"> • If an unprogrammed key is used, the security light starts flashing and DTC 15 is displayed after approx. 1 min. However, this does not indicate an improper procedure. Continue to perform the procedure as indicated. <ol style="list-style-type: none"> 3. After vehicle identification, Select following from the M-MDS initial screen. <ul style="list-style-type: none"> — Using an IDS (laptop PC) <ol style="list-style-type: none"> 1. Select “Body”. 2. Select “Security”. 3. Select “PATS function”. — Using a PDS (Pocket PC): <ol style="list-style-type: none"> 1. Select “All Tests and Calibrations”. 2. Select “PATS Functions”. 4. Select either of the following from the M-MDS menu to change the additional key programming procedure. <ul style="list-style-type: none"> — When “Customer Spare Key Programming Enable” is selected: The additional key programming procedure using valid keys is enabled. — When “Customer Spare Key Programming Disable” is selected: The additional key programming procedure using valid keys is disabled. 5. Perform the security access according to the directions on the M-MDS screen. 6. After verifying that the PATS function menu is displayed again on the M-MDS screen, select “Finish (this menu)”. 7. Turn the ignition switch to the LOCK position. 	Procedure is completed

No.4 Programming Procedure Due to PCM Replacement Conditions

- Prepare a valid key or an advanced key that can start the engine.

Procedure



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Step	Procedure	Action after procedure
1	<p>REPLACE THE PCM</p> <p>Refer to PCM REMOVAL/INSTALLATION to perform PCM replacement and configuration. (See 01-40A-8 PCM REMOVAL/INSTALLATION [ZJ, ZY].) (See 01-40C-5 PCM REMOVAL/INSTALLATION [MZ-CD 1.6 (Y6)].) (See 01-40B-6 PCM REMOVAL/INSTALLATION [MZ-CD 1.4 DI Turbo].)</p>	Go to the next step.

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Step	Procedure	Action after procedure	
2	<p>PERFORM PARAMETER RESET</p> <ol style="list-style-type: none"> 1. Connect the M-MDS to the DLC-2. (See 09-14-137 M-MDS Connecting Procedure.) 2. Turn the ignition switch to the ON position using the valid key or the valid advanced key. <p>Note</p> <ul style="list-style-type: none"> • Although the security light remains illuminated and DTC 23 is displayed after approx. 1 min, continue to perform the procedure as indicated. <ol style="list-style-type: none"> 3. Verify that the keyless warning light illuminates for approx 3 s, and then turns off. 4. After vehicle identification, Select following from the M-MDS initial screen. <ul style="list-style-type: none"> — Using an IDS (laptop PC): <ol style="list-style-type: none"> 1. Select “Body”. 2. Select “Security”. 3. Select “PATS function”. — Using a PDS (pocket PC): <ol style="list-style-type: none"> 1. Select “All Tests and Calibrations”. 2. Select “PATS Functions”. 5. Then, select an item from the screen menu. <ul style="list-style-type: none"> • Parameter Reset 6. Perform the security access according to the directions on the M-MDS screen. 7. Select replaced parts (PCM) according to the directions on the M-MDS screen. <p>Caution</p> <ul style="list-style-type: none"> • At this time, do not Select other parts from the M-MDS menu. 8. After verifying that the PATS function menu is displayed again on the M-MDS screen, select “Finish (this menu)”. 9. Turn the ignition switch to the LOCK position. 10. Turn the ignition switch to the ON position. 11. Verify that the security light illuminates for approx. 3 s, and then turns off. 12. Turn the ignition switch to the LOCK position. 	Go to the next step.	
3	<p>VERIFY PROGRAMMING IS PERFORMED CORRECTLY</p> <ol style="list-style-type: none"> 1. Verify that the engine can be started with all the keys. 2. Can the engine be started? 	Yes	Procedure is completed
		No	Perform the corresponding DTC inspection to repair the malfunctioning part.

No.5 Programming Procedure Due to Steering Lock Unit Replacement

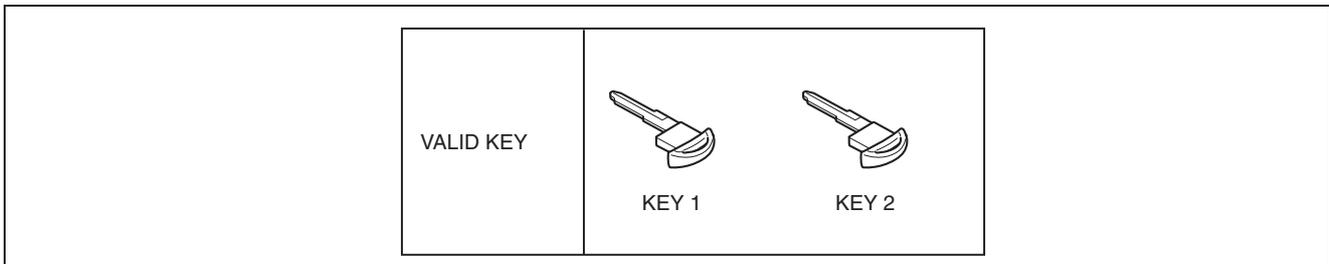
Note

- Since two or more keys need to be programmed to start the engine, program two or more keys after the replacement.

Conditions

- Have two or more keys to be programmed after the replacement.

Procedure



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SECURITY AND LOCKS

Step	Procedure	Action after procedure								
1	<p>REPLACE STEERING LOCK UNIT Replace the steering lock unit. (See 06-13-10 STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION [R.H.D.].)</p>	Go to the next step.								
2	<p>CLEAR IGNITION KEY ID NUMBERS</p> <ol style="list-style-type: none"> 1. Connect the M-MDS to the DLC-2. (See 09-14-137 M-MDS Connecting Procedure.) 2. Turn the ignition switch to the ON position using key 1. <p>Note</p> <ul style="list-style-type: none"> • Although the security light starts flashing and DTC 15 is displayed after approx. 1 min, this does not indicate an improper procedure. Continue to perform the procedure as indicated. <ol style="list-style-type: none"> 3. After vehicle identification, Select following from the M-MDS initial screen. <ul style="list-style-type: none"> — Using an IDS (laptop PC): <ol style="list-style-type: none"> 1. Select “Body”. 2. Select “Security”. 3. Select “PATS function”. — Using a PDS (pocket PC): <ol style="list-style-type: none"> 1. Select “All Tests and Calibrations”. 2. Select “PATS Functions”. 4. Then, select an item from the screen menu. <ul style="list-style-type: none"> • Ignition Key Code Erase and Program 5. Perform the security access according to the directions on the M-MDS screen. 	Go to the next step.								
3	<p>PERFORM IGNITION KEY ID NUMBER PROGRAMMING</p> <ol style="list-style-type: none"> 1. Program two keys according to the directions on the M-MDS. 2. Verify that the PATS function menu is displayed again on the M-MDS screen. 	Go to the next step.								
4	<p>PERFORM Steering Lock Unit Programming</p> <ol style="list-style-type: none"> 1. Select “Steering Lock Unit Programming” from the M-MDS screen menu. 2. Complete the Steering Lock Unit Programming according to the directions on the M-MDS. (See 09-14-134 STEERING LOCK UNIT ID CODE REGISTRATION [ADVANCED KEYLESS AND START SYSTEM].) 3. After verifying that the PATS function menu is displayed again on the M-MDS screen, select “Finish (this menu)”. 4. Turn the ignition switch to the LOCK position. 5. Disconnect the M-MDS from the DLC-2. 6. Remove the programmed card key from the vehicle. 	Go to the next step.								
5	<p>VERIFY KEY 1 PROGRAMMING PERFORMED CORRECTLY</p> <ol style="list-style-type: none"> 1. Start the engine using key 1. 2. Verify that the security light and keyless warning light operate as shown in the following figure. 3. Turn the ignition switch to the LOCK position and remove key 1. <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;"> <p>The diagram shows three signals over time. The Ignition Switch starts at LOCK, moves to ON (ENGINE START), and then returns to LOCK. The Security Light turns ON during the ON period and flashes during the LOCK period. The Keyless Warning Light turns ON during the ON period and flashes during the LOCK period. A 3-second interval is marked for the Security Light ON period, and a 1-second interval is marked for the Keyless Warning Light ON period.</p> </div> <div style="text-align: center;"> <p>EXAMPLE</p> <table border="1" style="border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">NUMBER OF PROGRAMMED KEYS</th> <th style="width: 80%;">DISPLAY METHOD</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td style="text-align: center;">3</td> <td></td> </tr> </tbody> </table> <p>a : Approx. 0.3 s b : Approx. 0.9 s</p> </div> </div>	NUMBER OF PROGRAMMED KEYS	DISPLAY METHOD	1		2		3		Go to the next step.
NUMBER OF PROGRAMMED KEYS	DISPLAY METHOD									
1										
2										
3										

SECURITY AND LOCKS

Step	Procedure	Action after procedure									
6	<p>VERIFY KEY 2 PROGRAMMING PERFORMED CORRECTLY</p> <ol style="list-style-type: none"> 1. Start the engine using key 2. 2. Verify that the security light and keyless warning light operate as shown in the following figure. 3. Turn the ignition switch to the LOCK position and remove key 2. 4. Are there other keys to be programmed? <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 10px;"> <div style="width: 45%;"> </div> <div style="width: 45%;"> <p style="text-align: center;">EXAMPLE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">NUMBER OF PROGRAMMED KEYS</th> <th style="width: 70%;">DISPLAY METHOD</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td style="text-align: center;">3</td> <td></td> </tr> </tbody> </table> <p style="font-size: small; margin-top: 5px;">a : Approx. 0.3 s b : Approx. 0.9 s</p> </div> </div>	NUMBER OF PROGRAMMED KEYS	DISPLAY METHOD	1		2		3		Yes	Repeat Step 6 using each programmed key.
NUMBER OF PROGRAMMED KEYS	DISPLAY METHOD										
1											
2											
3											
		No	Go to the next step.								
7	<p>VERIFY ADVANCED KEY PROGRAMMING PERFORMED CORRECTLY</p> <ol style="list-style-type: none"> 1. Bring the programmed advanced key into the vehicle. 2. Close all doors. 3. Remove the key from the key cylinder and place it on the front passenger's seat. 4. Start the engine using the advanced key. 5. Verify that the security light and keyless warning light operate as shown in the following figure. 6. After verifying that the keyless warning light turns off, turn the ignition switch to the LOCK position. <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 10px;"> <div style="width: 45%;"> </div> <div style="width: 45%;"></div> </div>		Procedure is completed								

No.6 Programming Procedure Due to Keyless Control Module Replacement

Note

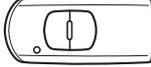
- Before beginning the procedure, verify that the customer has turned in all of the advanced keys and keys for the vehicle.
- The engine cannot be started unless an advanced key and two or more keys are programmed after the replacement.

Conditions

- Have two or more keys to be programmed after the replacement.
- Have one or more advanced keys to be programmed after the replacement.

SECURITY AND LOCKS

Procedure

VALID KEY	 KEY 1 KEY 2
KEY FOR RESISTRATION	

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Step	Procedure	Action after procedure
1	REPLACE KEYLESS CONTROL MODULE Replace the keyless control module. (See 09-14-98 KEYLESS CONTROL MODULE REMOVAL/INSTALLATION [ADVANCED KEYLESS AND START SYSTEM].)	Go to the next step.
2	PERFORM PARAMETER RESET <ol style="list-style-type: none"> 1. Connect the M-MDS to the DLC-2. (See 09-14-137 M-MDS Connecting Procedure.) 2. Turn the ignition switch to the ON position using key 1. <p>Note</p> <ul style="list-style-type: none"> • Although the security light starts flashing and DTC 15 is displayed after approx. 1 min, this does not indicate an improper procedure. Continue to perform the procedure as indicated. <ol style="list-style-type: none"> 3. After vehicle identification, Select following from the M-MDS initial screen. <ul style="list-style-type: none"> — Using an IDS (laptop PC): <ol style="list-style-type: none"> 1. Select “Body”. 2. Select “Security”. 3. Select “PATS function”. — Using a PDS (pocket PC): <ol style="list-style-type: none"> 1. Select “All Tests and Calibrations”. 2. Select “PATS Functions”. 4. Then, select an item from the screen menu. <ul style="list-style-type: none"> • Parameter Reset 5. Perform the security access according to the directions on the M-MDS screen. 6. Select replaced part “RKE” according to the directions on the M-MDS. <p>Caution</p> <ul style="list-style-type: none"> • At this time, do not Select other parts from the M-MDS menu. 	Go to the next step.
3	CLEAR IGNITION KEY ID NUMBERS <ol style="list-style-type: none"> 1. Select “Ignition Key Code Erase and Program” from the M-MDS screen menu. 2. Clear the ignition key ID number according to the directions on the M-MDS. 	Go to the next step.
4	PERFORM IGNITION KEY ID NUMBER PROGRAMMING <ol style="list-style-type: none"> 1. Program two keys according to the directions on the M-MDS. 2. Verify that the PATS function menu is displayed again on the M-MDS screen. 	Go to the next step.
5	PERFORM ADVANCED KEY PROGRAMMING <ol style="list-style-type: none"> 1. Select “Program Additional Advanced Key” from the M-MDS screen menu. 2. Program the advanced key according to the directions on the M-MDS. 3. Verify that the PATS function menu is displayed again on the M-MDS screen. 	Go to the next step.

SECURITY AND LOCKS

Step	Procedure	Action after procedure									
6	<p>PERFORM Steering Lock Unit Programming</p> <ol style="list-style-type: none"> 1. Select "Steering Lock Unit Programming" from the M-MDS screen menu. 2. Complete the Steering Lock Unit Programming according to the directions on the M-MDS. (See 09-14-134 STEERING LOCK UNIT ID CODE REGISTRATION [ADVANCED KEYLESS AND START SYSTEM].) 3. After verifying that the PATS function menu is displayed again on the M-MDS screen, select "Finish (this menu)". 4. Turn the ignition switch to the LOCK position. 5. Disconnect the M-MDS from the DLC-2. 6. Remove the programmed card key from the vehicle. 	Go to the next step.									
7	<p>VERIFY KEY 1 PROGRAMMING PERFORMED CORRECTLY</p> <ol style="list-style-type: none"> 1. Start the engine using key 1. 2. Verify that the security light and keyless warning light operate as shown in the following figure. 3. Turn the ignition switch to the LOCK position and remove key 1. <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 10px;"> <div style="width: 45%;"> <p style="font-size: small;">START (ENGINE START) ON LOCK</p> <p style="font-size: small;">SECURITY LIGHT ON OFF</p> <p style="font-size: small;">KEYLESS WARNING LIGHT ON OFF</p> <p style="font-size: x-small;">Approx. 3 s</p> <p style="font-size: x-small;">Approx. 1 s</p> <p style="font-size: x-small;">DISPLAY METHOD</p> </div> <div style="width: 50%;"> <p style="font-size: x-small;">EXAMPLE</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 30%;">NUMBER OF PROGRAMMED KEYS</th> <th style="width: 70%;">DISPLAY METHOD</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: middle;">1</td> <td></td> </tr> <tr> <td style="vertical-align: middle;">2</td> <td></td> </tr> <tr> <td style="vertical-align: middle;">3</td> <td></td> </tr> </tbody> </table> <p style="font-size: x-small;">a : Approx. 0.3 s b : Approx. 0.9 s</p> </div> </div>	NUMBER OF PROGRAMMED KEYS	DISPLAY METHOD	1		2		3		Go to the next step.	
NUMBER OF PROGRAMMED KEYS	DISPLAY METHOD										
1											
2											
3											
8	<p>VERIFY KEY 2 PROGRAMMING PERFORMED CORRECTLY</p> <ol style="list-style-type: none"> 1. Start the engine using key 2. 2. Verify that the security light and keyless warning light operate as shown in the following figure. 3. Turn the ignition switch to the LOCK position and remove key 2. 4. Are there other keys to be programmed? <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 10px;"> <div style="width: 45%;"> <p style="font-size: small;">START (ENGINE START) ON LOCK</p> <p style="font-size: small;">SECURITY LIGHT ON OFF</p> <p style="font-size: small;">KEYLESS WARNING LIGHT ON OFF</p> <p style="font-size: x-small;">Approx. 3 s</p> <p style="font-size: x-small;">Approx. 1 s</p> <p style="font-size: x-small;">DISPLAY METHOD</p> </div> <div style="width: 50%;"> <p style="font-size: x-small;">EXAMPLE</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th style="width: 30%;">NUMBER OF PROGRAMMED KEYS</th> <th style="width: 70%;">DISPLAY METHOD</th> </tr> </thead> <tbody> <tr> <td style="vertical-align: middle;">1</td> <td></td> </tr> <tr> <td style="vertical-align: middle;">2</td> <td></td> </tr> <tr> <td style="vertical-align: middle;">3</td> <td></td> </tr> </tbody> </table> <p style="font-size: x-small;">a : Approx. 0.3 s b : Approx. 0.9 s</p> </div> </div>	NUMBER OF PROGRAMMED KEYS	DISPLAY METHOD	1		2		3		Yes	Repeat Step 8 using each programmed key.
NUMBER OF PROGRAMMED KEYS	DISPLAY METHOD										
1											
2											
3											
		No	Go to the next step.								

SECURITY AND LOCKS

Step	Procedure	Action after procedure
8	<p>VERIFY ADVANCED KEY PROGRAMMING PERFORMED CORRECTLY</p> <ol style="list-style-type: none"> 1. Bring the programmed advanced key into the vehicle. 2. Close all doors. 3. Remove the key from the key cylinder and place it on the front passenger's seat. 4. Start the engine using the advanced key. 5. Verify that the security light and keyless warning light operate as shown in the following figure. 6. Turn the ignition switch to the LOCK position. <div style="text-align: center;"> </div>	Procedure is completed

No.7 Programming Procedure Due to Simultaneous Replacement of Immobilizer System-related Parts (PCM, Keyless Control Module, and Steering Lock Unit)

Caution

- The menu and execution sequence of the M-MDS vary depending on the type of replaced unit and parts. Perform the procedures referring to the following table.

M-MDS menu

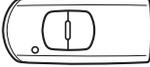
- (1): Parameter Reset
- (2): Ignition Key Code Erase and Program
- (3): Program Additional Advanced Key
- (4): Steering Lock Unit Programming

Replacement part	M-MDS execution menu/ sequence	Conditions
Keyless control module and PCM	(1)→(2)→(3)→(4)	<ul style="list-style-type: none"> • Have two or more keys to be programmed after the replacement. • Have one or more advanced keys to be programmed after the replacement.
Keyless control module and steering lock unit *1		
Keyless control module, PCM, and steering lock unit *1		
PCM and steering lock unit *1	(1)→(2)→(4)	Have two or more keys to be programmed after the replacement.

*1 : Because the steering lock unit is integrated with the ignition key cylinder, the key must also be replaced when replacing the steering lock unit.

SECURITY AND LOCKS

Procedure

VALID KEY	 KEY 1 KEY 2
KEY FOR RESISTRATION	

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Step	Procedure	Action after procedure
1	REPLACE UNITS OR PARTS Replace the unit or parts.	Go to the next step.
2	PERFORM PARAMETER RESET <ol style="list-style-type: none"> 1. Connect the M-MDS to the DLC-2. (See 09-14-137 M-MDS Connecting Procedure.) 2. Turn the ignition switch to the ON position using key 1. <p>Note</p> <ul style="list-style-type: none"> • Although the security light flashes or illuminates and DTC 15 or 23 is displayed after approx. 1 min, continue to perform the procedure. <ol style="list-style-type: none"> 3. After vehicle identification, Select following from the M-MDS initial screen. <ul style="list-style-type: none"> — Using an IDS (laptop PC): <ol style="list-style-type: none"> 1. Select “Body”. 2. Select “Security”. 3. Select “PATS function”. — Using a PDS (pocket PC): <ol style="list-style-type: none"> 1. Select “All Tests and Calibrations”. 2. Select “PATS Functions”. 4. Then, select an item from the screen menu. <ul style="list-style-type: none"> • Parameter Reset 5. Perform the security access according to the directions on the M-MDS screen. 6. Select replaced parts according to the directions on the M-MDS screen. <ul style="list-style-type: none"> — If the PCM is replaced: Select “PCM”. — If the keyless control module is replaced: Select “RKE”. <p>Caution</p> <ul style="list-style-type: none"> • At this time, do not Select other parts from the M-MDS menu. 	Go to the next step.
3	CLEAR IGNITION KEY ID NUMBERS <ol style="list-style-type: none"> 1. Select “Ignition Key Code Erase and Program” from the M-MDS screen menu. 2. Clear the ignition key ID number according to the directions on the M-MDS. 	Go to the next step.
4	PERFORM IGNITION KEY ID NUMBER PROGRAMMING <ol style="list-style-type: none"> 1. Program two keys according to the directions on the M-MDS. 2. Verify that the PATS function menu is displayed again on the M-MDS screen. 	Go to the next step.
5	PERFORM ADVANCED KEY PROGRAMMING <ol style="list-style-type: none"> 1. Select “Program Additional Advanced Key” from the M-MDS screen menu. 2. Program the advanced key according to the directions on the M-MDS. 3. Verify that the PATS function menu is displayed again on the M-MDS screen. 	Go to the next step.

SECURITY AND LOCKS

Step	Procedure	Action after procedure												
6	<p>PERFORM Steering Lock Unit Programming</p> <ol style="list-style-type: none"> Select "Steering Lock Unit Programming" from the M-MDS screen menu. Complete the Steering Lock Unit Programming according to the directions on the M-MDS. (See 09-14-134 STEERING LOCK UNIT ID CODE REGISTRATION [ADVANCED KEYLESS AND START SYSTEM].) After verifying that the PATS function menu is displayed again on the M-MDS screen, select "Finish (this menu)". Turn the ignition switch to the LOCK position. Disconnect the M-MDS from the DLC-2. Remove the programmed card key from the vehicle. 	Go to the next step.												
7	<p>VERIFY KEY 1 PROGRAMMING PERFORMED CORRECTLY</p> <ol style="list-style-type: none"> Start the engine using key 1. Verify that the security light and keyless warning light operate as shown in the following figure. Turn the ignition switch to the LOCK position and remove key 1. <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> </div> <div style="width: 45%;"> <p style="text-align: center;">EXAMPLE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">NUMBER OF PROGRAMMED KEYS</th> <th style="width: 70%;">DISPLAY METHOD</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td style="text-align: center;">3</td> <td></td> </tr> </tbody> </table> <p style="font-size: small; text-align: right;">a : Approx. 0.3 s b : Approx. 0.9 s</p> </div> </div>	NUMBER OF PROGRAMMED KEYS	DISPLAY METHOD	1		2		3		Go to the next step.				
NUMBER OF PROGRAMMED KEYS	DISPLAY METHOD													
1														
2														
3														
8	<p>VERIFY KEY 2 PROGRAMMING PERFORMED CORRECTLY</p> <ol style="list-style-type: none"> Start the engine using key 2. Verify that the security light and keyless warning light operate as shown in the following figure. Turn the ignition switch to the LOCK position and remove key 2. Are there other keys to be programmed? <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> </div> <div style="width: 45%;"> <p style="text-align: center;">EXAMPLE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">NUMBER OF PROGRAMMED KEYS</th> <th style="width: 70%;">DISPLAY METHOD</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td></td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> </tr> <tr> <td style="text-align: center;">3</td> <td></td> </tr> </tbody> </table> <p style="font-size: small; text-align: right;">a : Approx. 0.3 s b : Approx. 0.9 s</p> </div> </div>	NUMBER OF PROGRAMMED KEYS	DISPLAY METHOD	1		2		3		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%; text-align: center;">Yes</td> <td style="text-align: center;">Repeat Step 8 using each programmed key.</td> </tr> <tr> <td style="width: 20%; text-align: center;">No</td> <td style="text-align: center;">Go to the next step.</td> </tr> </table>	Yes	Repeat Step 8 using each programmed key.	No	Go to the next step.
NUMBER OF PROGRAMMED KEYS	DISPLAY METHOD													
1														
2														
3														
Yes	Repeat Step 8 using each programmed key.													
No	Go to the next step.													

SECURITY AND LOCKS

Step	Procedure	Action after procedure
9	<p>VERIFY ADVANCED KEY PROGRAMMING PERFORMED CORRECTLY</p> <ol style="list-style-type: none"> 1. Bring the programmed advanced key into the vehicle. 2. Close all doors. 3. Remove the key from the key cylinder and place it on the front passenger's seat. 4. Start the engine using the advanced key. 5. Verify that the security light and keyless warning light operate as shown in the following figure. 6. Turn the ignition switch to the LOCK position. <div style="text-align: center; margin-top: 10px;"> </div>	<p style="text-align: center;">Procedure is completed</p>

IMMOBILIZER SYSTEM-RELATED PARTS PROGRAMMING [KEYLESS ENTRY SYSTEM]

id0914004419b3

Foreword

- When replacing immobilizer system-related parts or programming an additional key, program the immobilizer system-related parts so that the system operates normally. For immobilizer system-related parts programming, Select programming procedures according to the service. (See 09-14-150 Selection of Procedure for Immobilizer System-Related Parts Programming.)

Caution

- If any metallic or magnetic object is near the key, communication between the key and the vehicle may be obstructed, resulting in a failure to program the immobilizer system-related parts. Remove any metallic or magnetic objects, such as key holders, from the key when programming immobilizer system-related parts.
- If any of the following devices are inside the vehicle, programming of immobilizer system-related parts may fail. Do not bring any of the following devices or similar products inside the vehicle when programming immobilizer system-related parts.
 - M-MDS
 - Personal computer
 - Devices that can send/receive radio waves
- If the engine is started during immobilizer system-related parts programming, the programming mode cancels. Therefore, do not start the engine unless indicated in the procedure. Repeat the procedure from the beginning if the engine is started during the immobilizer system-related parts programming.

Note

- The “Valid key” referred to in this manual indicates the key that can start the engine.
- Two or more key ID numbers must be programmed for the engine to start.
- A maximum of eight key ID numbers can be programmed for one vehicle.
- The number of programmed key ID numbers can be verified using the M-MDS.
- Do not select any screen menu other than the ones indicated in the procedure during M-MDS operation.

Selection of Procedure for Immobilizer System-Related Parts Programming

1. Verify that the room fuse is equipped.
2. Select applicable programming procedure from the service content of the immobilizer system-related parts.

SECURITY AND LOCKS

Immobilizer System-Related Parts Service and Programming Procedure Table

No.	Service	Programming procedure
1	Additional key programming	Have two or more valid keys
2		Have one valid key or none
3	Additional key programming procedure setting	Disable programming using valid keys
		Enable programming using valid keys
4	Programming due to PCM replacement	(See 09-14-154 No.4 Programming Procedure Due to PCM Replacement.)
5	Programming due to instrument cluster replacement	(See 09-14-155 No.5 Programming Procedure Due to Instrument Cluster Replacement.)
6	Programming due to simultaneous replacement of immobilizer system-related parts <ul style="list-style-type: none"> • PCM • Instrument cluster 	(See 09-14-156 No.6 Programming Procedure Due to Simultaneous Replacement of Immobilizer System-related Parts (PCM and Instrument Cluster).)
7	Programming due to coil antenna replacement	Programming of immobilizer system-related parts is not necessary

M-MDS Connecting Procedure

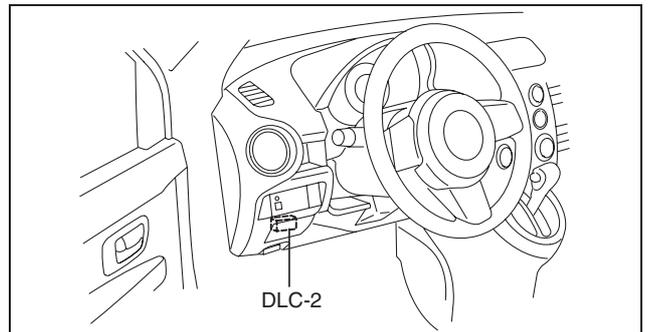
Note

- Do not place the M-MDS in the vehicle while programming the immobilizer system.

1. Fully lower the door glass.
2. Connect the M-MDS to the DLC-2.
3. Place the M-MDS outside the vehicle.

Caution

- Cover the vehicle body with a clean rag so as not to damage the vehicle body with the cable.



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No.1 Additional Key Programming Procedure (Using Two Valid Keys)

Conditions

- Have two or more valid keys.

Note

- If a key ID number cannot be programmed and DTC 15 is displayed, the maximum number of programmed keys may have been reached. Verify the number of programmed keys using the M-MDS.
- If eight keys have already been programmed and it is necessary to program other keys, the previously programmed key ID numbers must first be cleared.
- If "Customer spare key programming disable" is selected, perform additional key programming using the M-MDS. (See 09-14-152 No. 2 Additional Key Programming Procedure (Using the M-MDS).)

SECURITY AND LOCKS

Procedure

VALID KEY	 KEY 1 KEY 2
KEY FOR RESISTRATION	 KEY 3

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Step	Procedure	Action after procedure	
1	LAUNCH PROGRAMMING MODE <ol style="list-style-type: none"> 1. Turn the ignition switch to the ON position using key 1. 2. After verifying that the security light illuminates for approx. 3 s and turns off, turn the ignition switch to the LOCK position within approx. 4 s using key 1. 3. Remove key 1. 4. Turn the ignition switch to the ON position using key 2. 5. After verifying that the security light illuminates for approx. 3 s and turns off, turn the ignition switch to the LOCK position within approx. 4 s using key 2. 6. Remove key 2. 	Go to the next step.	
2	PERFORM ADDITIONAL KEY PROGRAMMING <ol style="list-style-type: none"> 1. Turn the ignition switch to the ON position using key 3. 2. Verify that the security light illuminates for approx. 3 s, and then turns off. 3. Remove key 3. 4. Are there other keys to be programmed? 	Yes	Go back to Step 1.
		No	Go to the next step.
3	VERIFY KEY PROGRAMMING IS CORRECT <ul style="list-style-type: none"> • Verify that the engine can start and run for approx. 5 s or more using all the programmed keys. <p>Note</p> <ul style="list-style-type: none"> • When verifying that the engine starts, wait at least approx. 5.s or more before starting the engine using the next key. 	Procedure is completed	

No. 2 Additional Key Programming Procedure (Using the M-MDS) Conditions

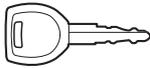
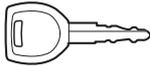
- There is only one valid key , or none.

Note

- If a key ID number cannot be programmed and DTC 15 is displayed, the maximum number of programmed keys may have been reached. Verify the number of programmed keys using the M-MDS.
- If eight keys have already been programmed and it is necessary to program other keys, the previously programmed key ID numbers must first be cleared.

SECURITY AND LOCKS

Procedure

	VALID KEY  KEY 1
	KEY FOR RESISTRATION  KEY 1

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Step	Procedure		Action after procedure
1	<p>PERFORM ADDITIONAL KEY PROGRAMMING</p> <p>1. Connect the M-MDS to the DLC-2. (See 09-14-151 M-MDS Connecting Procedure)</p> <p>2. Turn the ignition switch to the ON position using key 1.</p> <p>Note</p> <ul style="list-style-type: none"> Although the security light starts flashing and DTC 15 is displayed after approx. 1 min, this does not indicate an improper procedure. Continue to perform the procedure as indicated. <p>3. After vehicle identification, Select following from the M-MDS initial screen.</p> <p>— Using an IDS (laptop PC)</p> <ol style="list-style-type: none"> Select “Body”. Select “Security”. Select “PATS function”. <p>— Using a PDS (Pocket PC):</p> <ol style="list-style-type: none"> Select “All Tests and Calibrations”. Select “PATS Functions”. <p>4. Then, select an item from the screen menu.</p> <ul style="list-style-type: none"> Program Additional Ignition Key <p>5. Perform the security access according to the directions on the M-MDS screen.</p> <p>Note</p> <ul style="list-style-type: none"> After executing the above menu, “This operation is successful” is displayed. This indicates that the programming of the key currently in the ignition switch ON position has been completed. <p>6. After verifying that the PATS function menu is displayed again on the M-MDS screen, turn the ignition switch to the LOCK position.</p> <p>7. Remove key 1.</p> <p>8. Are there other keys to be programmed?</p>	Yes	<p>Change the key and repeat Step 1.</p> <p>Note</p> <ul style="list-style-type: none"> Additional key programming can be performed using the procedure in No.1 Additional Key Programming Procedure (Using Two Valid Keys).
		No	Go to the next step.
2	<p>CLOSE THE M-MDS</p> <p>1. After verifying that the PATS function menu is displayed again on the M-MDS screen, select “Finish (this menu)”.</p> <p>2. Turn the ignition switch to the LOCK position.</p>		Go to the next step.
3	<p>VERIFY KEY PROGRAMMING IS CORRECT</p> <p>Verify that the engine can be started with the programmed key.</p> <p>Note</p> <ul style="list-style-type: none"> When verifying that the engine starts, wait at least approx. 5.s or more before starting the engine using the next key. 		Procedure is completed

No.3 Additional Key Programming Procedure Changing

Note

- This procedure is performed for disabling the No.1 Additional Key Programming Procedure (Using Two Valid Keys).

SECURITY AND LOCKS

- The setting is “Customer spare key programming enable” when the vehicle is new or the keyless control module is replaced with a new one.

Procedure

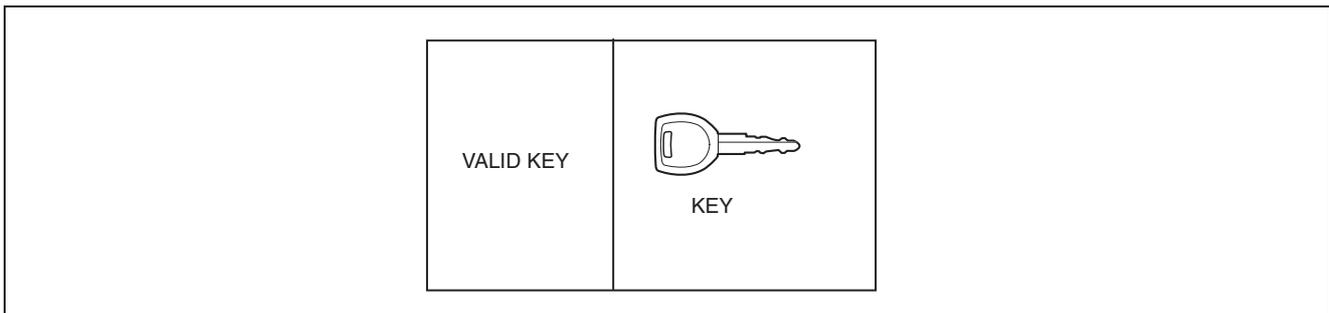
Step	Procedure	Action after procedure
1	<p>CHANGE CUSTOMER SPARE KEY PROGRAMMING PROCEDURE</p> <ol style="list-style-type: none"> Connect the M-MDS to the DLC-2. (See 09-14-151 M-MDS Connecting Procedure.) Turn the ignition switch to the ON position using a key (The key can be either the valid key or an unprogrammed key). <p>Note</p> <ul style="list-style-type: none"> If an unprogrammed key is used, the security light starts flashing and DTC 15 is displayed after approx. 1 min. However, this does not indicate an improper procedure. Continue to perform the procedure as indicated. <ol style="list-style-type: none"> After vehicle identification, Select following from the M-MDS initial screen. <ul style="list-style-type: none"> Using an IDS (laptop PC) <ol style="list-style-type: none"> Select “Body”. Select “Security”. Select “PATS function”. Using a PDS (Pocket PC): <ol style="list-style-type: none"> Select “All Tests and Calibrations”. Select “PATS Functions”. Select either of the following from the M-MDS menu to change the additional key programming procedure. <ul style="list-style-type: none"> When “Customer Spare Key Programming Enable” is selected: The additional key programming procedure using valid keys is enabled. When “Customer Spare Key Programming Disable” is selected: The additional key programming procedure using valid keys is disabled. Perform the security access according to the directions on the M-MDS screen. After verifying that the PATS function menu is displayed again on the M-MDS screen, select “Finish (this menu)”. Turn the ignition switch to the LOCK position. 	Procedure is completed

No.4 Programming Procedure Due to PCM Replacement

Conditions

- Have two or more valid keys.

Procedure



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Step	Procedure	Action after procedure
1	<p>REPLACE PCM</p> <p>Refer to PCM REMOVAL/INSTALLATION to perform PCM replacement and configuration. (See 01-40C-5 PCM REMOVAL/INSTALLATION [MZ-CD 1.6 (Y6)].) (See 01-40B-6 PCM REMOVAL/INSTALLATION [MZ-CD 1.4 DI Turbo].) (See 01-40A-8 PCM REMOVAL/INSTALLATION [ZJ, ZY].) (See 01-40C-16 PCM CONFIGURATION [MZ-CD 1.6 (Y6)].) (See 01-40B-19 PCM CONFIGURATION [MZ-CD 1.4 DI Turbo].) (See 01-40A-28 PCM CONFIGURATION [ZJ, ZY].)</p>	Go to the next step.

SECURITY AND LOCKS

Step	Procedure	Action after procedure	
2	<p>PERFORM PARAMETER RESET</p> <ol style="list-style-type: none"> 1. Connect the M-MDS to the DLC-2. (See 09-14-151 M-MDS Connecting Procedure.) 2. Turn the ignition switch to the ON position using a valid key. <p>Note</p> <ul style="list-style-type: none"> • Although the security light remains illuminated and DTC 23 is displayed after approx. 1 min, continue to perform the procedure as indicated. <ol style="list-style-type: none"> 3. Verify that the keyless warning light illuminates for approx. 3 s, and then turns off. 4. After vehicle identification, Select following from the M-MDS initial screen. <ul style="list-style-type: none"> — Using an IDS (laptop PC): <ol style="list-style-type: none"> 1. Select “Body”. 2. Select “Security”. 3. Select “PATS function”. — Using a PDS (pocket PC): <ol style="list-style-type: none"> 1. Select “All Tests and Calibrations”. 2. Select “PATS Functions”. 5. Then, select an item from the screen menu. <ul style="list-style-type: none"> • Parameter Reset 6. Perform the security access according to the directions on the M-MDS screen. 7. Select replaced parts “PCM” according to the directions on the M-MDS screen. <p>Caution</p> <ul style="list-style-type: none"> • At this time, do not Select other parts from the M-MDS menu. 8. After verifying that the PATS function menu is displayed again on the M-MDS screen, select “Finish (this menu)”. 9. Turn the ignition switch to the LOCK position. 10. Turn the ignition switch to the ON position. 11. Verify that the security light illuminates for approx. 3 s, and then turns off. 12. Turn the ignition switch to the LOCK position. 	Go to the next step.	
3	<p>VERIFY PROGRAMMING IS PERFORMED CORRECTLY</p> <ol style="list-style-type: none"> 1. Verify that the engine can be started with all the keys. 2. Can the engine be started? 	Yes	Procedure is completed
		No	Perform the corresponding DTC inspection to repair the malfunctioning part.

No.5 Programming Procedure Due to Instrument Cluster Replacement

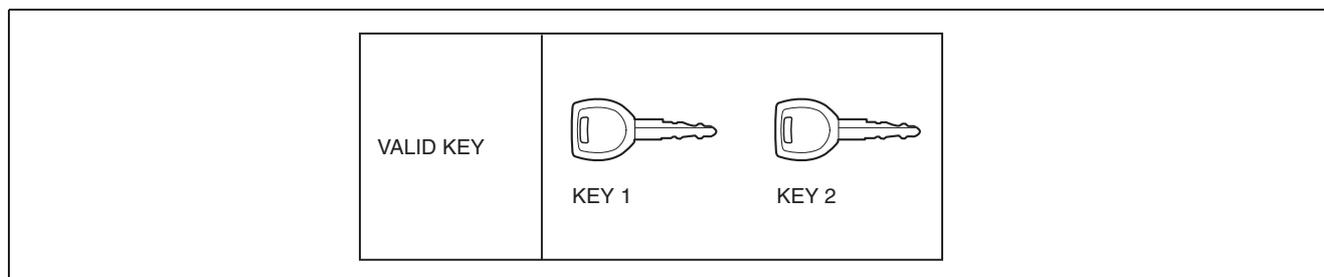
Note

- Since two or more keys need to be programmed to start the engine, program two or more keys after the replacement.

Conditions

- Have two or more keys to be programmed after the replacement.

Procedure



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SECURITY AND LOCKS

Step	Procedure	Action after procedure	
1	<p>REPLACE INSTRUMENT CLUSTER Refer to INSTRUMENT CLUSTER REMOVAL/INSTALLATION to perform instrument cluster replacement and configuration. (See 09-22-5 INSTRUMENT CLUSTER REMOVAL/INSTALLATION.) (See 09-22-7 INSTRUMENT CLUSTER CONFIGURATION.)</p>	Go to the next step.	
2	<p>PERFORM PARAMETER RESET</p> <ol style="list-style-type: none"> 1. Connect the M-MDS to the DLC-2. (See 09-14-151 M-MDS Connecting Procedure.) 2. Turn the ignition switch to the ON position using a valid key. <p>Note</p> <ul style="list-style-type: none"> • Although the security light remains illuminated and DTC 15 is displayed after approx. 1 min, continue to perform the procedure as indicated. <ol style="list-style-type: none"> 3. Verify that the keyless warning light illuminates for approx. 3 s, and then turns off. 4. After vehicle identification, Select following from the M-MDS initial screen. <ul style="list-style-type: none"> — Using an IDS (laptop PC): <ol style="list-style-type: none"> 1. Select “Body”. 2. Select “Security”. 3. Select “PATS function”. — Using a PDS (pocket PC): <ol style="list-style-type: none"> 1. Select “All Tests and Calibrations”. 2. Select “PATS Functions”. 5. Then, select an item from the screen menu. <ul style="list-style-type: none"> • Parameter Reset 6. Perform the security access according to the directions on the M-MDS screen. 7. Select replaced parts “IC” according to the directions on the M-MDS screen. <p>Caution</p> <ul style="list-style-type: none"> • At this time, do not Select other parts from the M-MDS menu. <ol style="list-style-type: none"> 8. Verify that the PATS function menu is displayed again on the M-MDS screen. 	Go to the next step.	
3	<p>CLEAR IGNITION KEY ID NUMBERS</p> <ol style="list-style-type: none"> 1. Select “Ignition Key Code Erase and Program” from the M-MDS screen menu. 2. Clear the ignition key ID number according to the directions on the M-MDS. 	Go to the next step.	
4	<p>PERFORM IGNITION KEY ID NUMBER PROGRAMMING</p> <ol style="list-style-type: none"> 1. Program two keys according to the directions on the M-MDS. 2. After verifying that the PATS function menu is displayed again on the M-MDS screen, select “Finish (this menu)”. 3. Turn the ignition switch to the LOCK position. 4. Turn the ignition switch to the ON position. 5. Verify that the security light illuminates for approx. 3 s, and then turns off. 6. Turn the ignition switch to the LOCK position. 7. Disconnect the M-MDS from the DLC-2. 	Go to the next step.	
5	<p>VERIFY PROGRAMMING IS PERFORMED CORRECTLY</p> <ol style="list-style-type: none"> 1. Verify that the engine can be started with all the keys. 2. Can the engine be started? 	Yes	Procedure is completed
		No	Perform the corresponding DTC inspection to repair the malfunctioning part.

No.6 Programming Procedure Due to Simultaneous Replacement of Immobilizer System-related Parts (PCM and Instrument Cluster)

Note

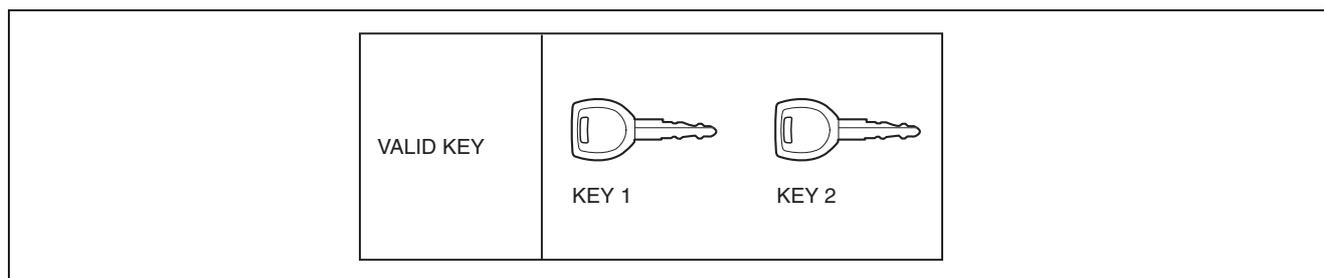
- Since two or more keys need to be programmed to start the engine, program two or more keys after the replacement.

Conditions

- Have two or more keys to be programmed after the replacement.

SECURITY AND LOCKS

Procedure



am2zzw0000380

Step	Procedure	Action after procedure
1	<p>REPLACE INSTRUMENT CLUSTER. Refer to INSTRUMENT CLUSTER REMOVAL/INSTALLATION to perform instrument cluster replacement and configuration. (See 09-22-5 INSTRUMENT CLUSTER REMOVAL/INSTALLATION.) (See 09-22-7 INSTRUMENT CLUSTER CONFIGURATION.)</p>	Go to the next step.
2	<p>REPLACE PCM Refer to PCM REMOVAL/INSTALLATION to perform PCM replacement and configuration. (See 01-40C-5 PCM REMOVAL/INSTALLATION [MZ-CD 1.6 (Y6)].) (See 01-40B-6 PCM REMOVAL/INSTALLATION [MZ-CD 1.4 DI Turbo].) (See 01-40A-8 PCM REMOVAL/INSTALLATION [ZJ, ZY].) (See 01-40C-16 PCM CONFIGURATION [MZ-CD 1.6 (Y6)].) (See 01-40B-19 PCM CONFIGURATION [MZ-CD 1.4 DI Turbo].) (See 01-40A-28 PCM CONFIGURATION [ZJ, ZY].)</p>	Go to the next step.
3	<p>PERFORM PARAMETER RESET</p> <ol style="list-style-type: none"> 1. Connect the M-MDS to the DLC-2. (See 09-14-151 M-MDS Connecting Procedure.) 2. Turn the ignition switch to the ON position using a valid key. <p>Note</p> <ul style="list-style-type: none"> • Although the security light remains illuminated and DTC 15 is displayed after approx. 1 min, continue to perform the procedure as indicated. <ol style="list-style-type: none"> 3. Verify that the keyless warning light illuminates for approx. 3 s, and then turns off. 4. After vehicle identification, Select following from the M-MDS initial screen. <ul style="list-style-type: none"> — Using an IDS (laptop PC): <ol style="list-style-type: none"> 1. Select “Body”. 2. Select “Security”. 3. Select “PATS function”. — Using a PDS (pocket PC): <ol style="list-style-type: none"> 1. Select “All Tests and Calibrations”. 2. Select “PATS Functions”. 5. Then, select an item from the screen menu. <ul style="list-style-type: none"> • Parameter Reset 6. Perform the security access according to the directions on the M-MDS screen. 7. Select replaced parts according to the directions on the M-MDS screen. <ul style="list-style-type: none"> — If the instrument cluster is replaced: Select “IC”. — If the PCM is replaced: Select “PCM”. <p>Caution</p> <ul style="list-style-type: none"> • At this time, do not Select other parts from the M-MDS menu. <ol style="list-style-type: none"> 8. Verify that the PATS function menu is displayed again on the M-MDS screen. 	Go to the next step.
4	<p>CLEAR IGNITION KEY ID NUMBERS</p> <ol style="list-style-type: none"> 1. Select “Ignition Key Code Erase and Program” from the M-MDS screen menu. 2. Clear the ignition key ID number according to the directions on the M-MDS. 	Go to the next step.
5	<p>PERFORM IGNITION KEY ID NUMBER PROGRAMMING</p> <ol style="list-style-type: none"> 1. Program two keys according to the directions on the M-MDS. 2. After verifying that the PATS function menu is displayed again on the M-MDS screen, select “Finish (this menu)”. 3. Turn the ignition switch to the LOCK position. 4. Turn the ignition switch to the ON position. 5. Verify that the security light illuminates for approx. 3 s, and then turns off. 6. Turn the ignition switch to the LOCK position. 7. Disconnect the M-MDS from the DLC-2. 	Go to the next step.

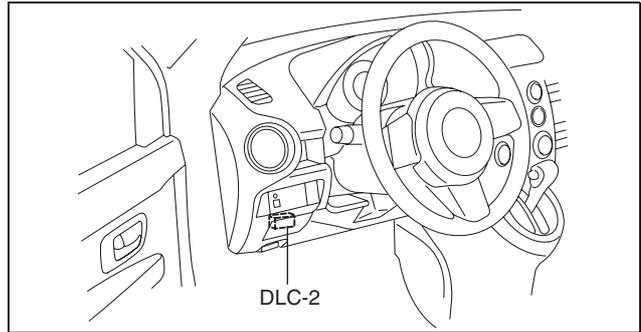
SECURITY AND LOCKS

Step	Procedure	Action after procedure	
6	VERIFY PROGRAMMING IS PERFORMED CORRECTLY 1. Verify that the engine can be started with all the keys. 2. Can the engine be started?	Yes	Procedure is completed
		No	Perform the corresponding DTC inspection to repair the malfunctioning part.

SECURITY ACCESS PROCEDURE

1. Connect the M-MDS to the DLC-2.
2. After the vehicle is identified, select the following items from the initialization screen of the M-MDS.
 - When using the IDS (laptop PC)
 1. Select the "Body"
 2. Select the "Security"
 3. Select the "PATS Functions"
 - When using the PDS (Pocket PC)
 1. Select the "All Tests and Calibrations"
 2. Select the "PATS Functions"
3. Then, select items from the screen menu in the following order.
 - Program Additional Advanced Key
 - Advanced Key Code Erase and Program
 - Steering Lock Unit Programming
 - Program Additional Ignition Key
 - Ignition Key Code Erase and Program
 - Customer Spare Key Programming Enable
 - Customer Spare Key Programming Disable
 - Parameter Reset
4. Perform the security access according to the directions on the M-MDS screen.

id091400436400



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EXTERIOR TRIM

09-16 EXTERIOR TRIM

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REAR BELTLINE MOLDING

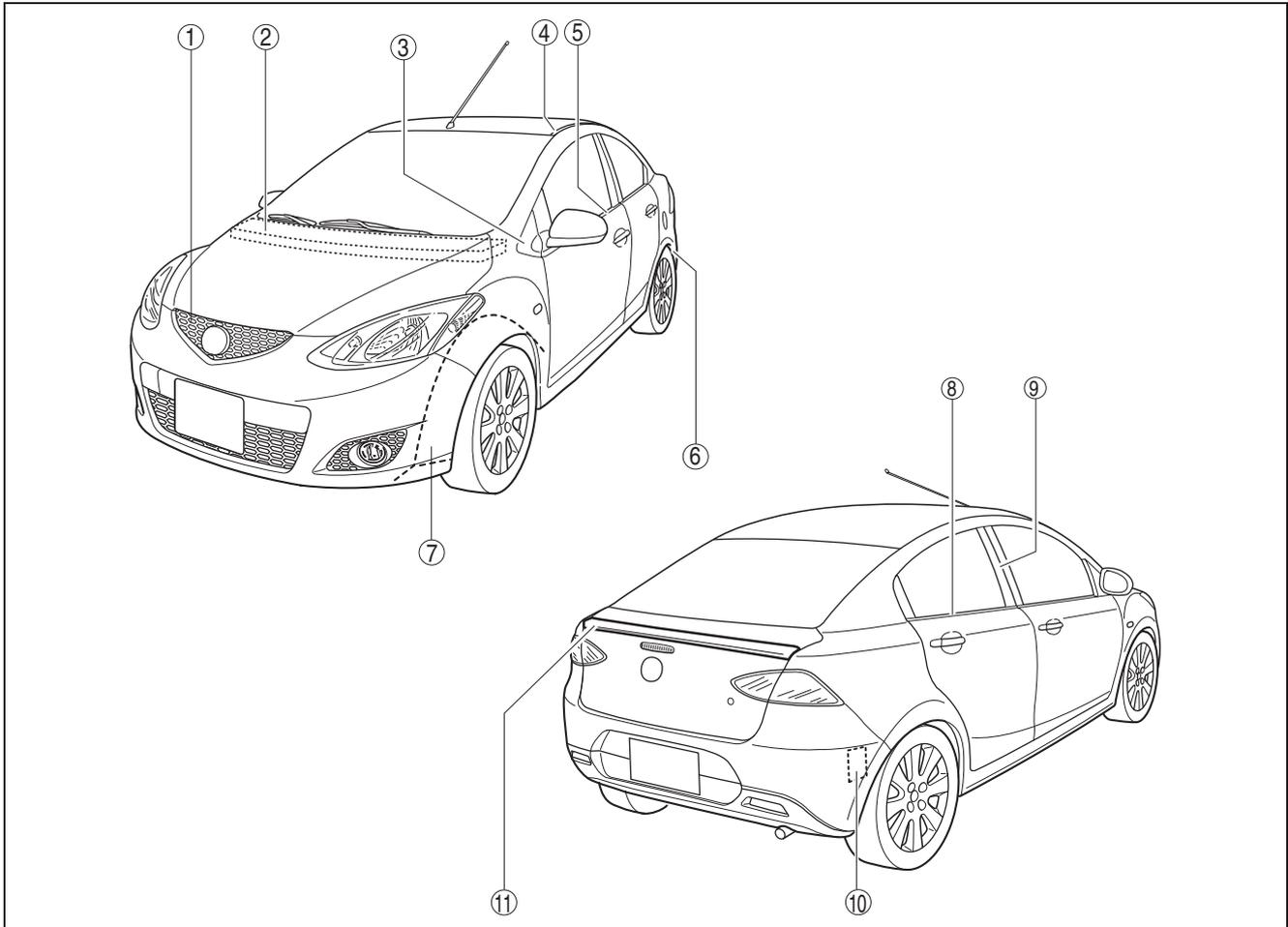
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EXTERIOR TRIM

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4SD



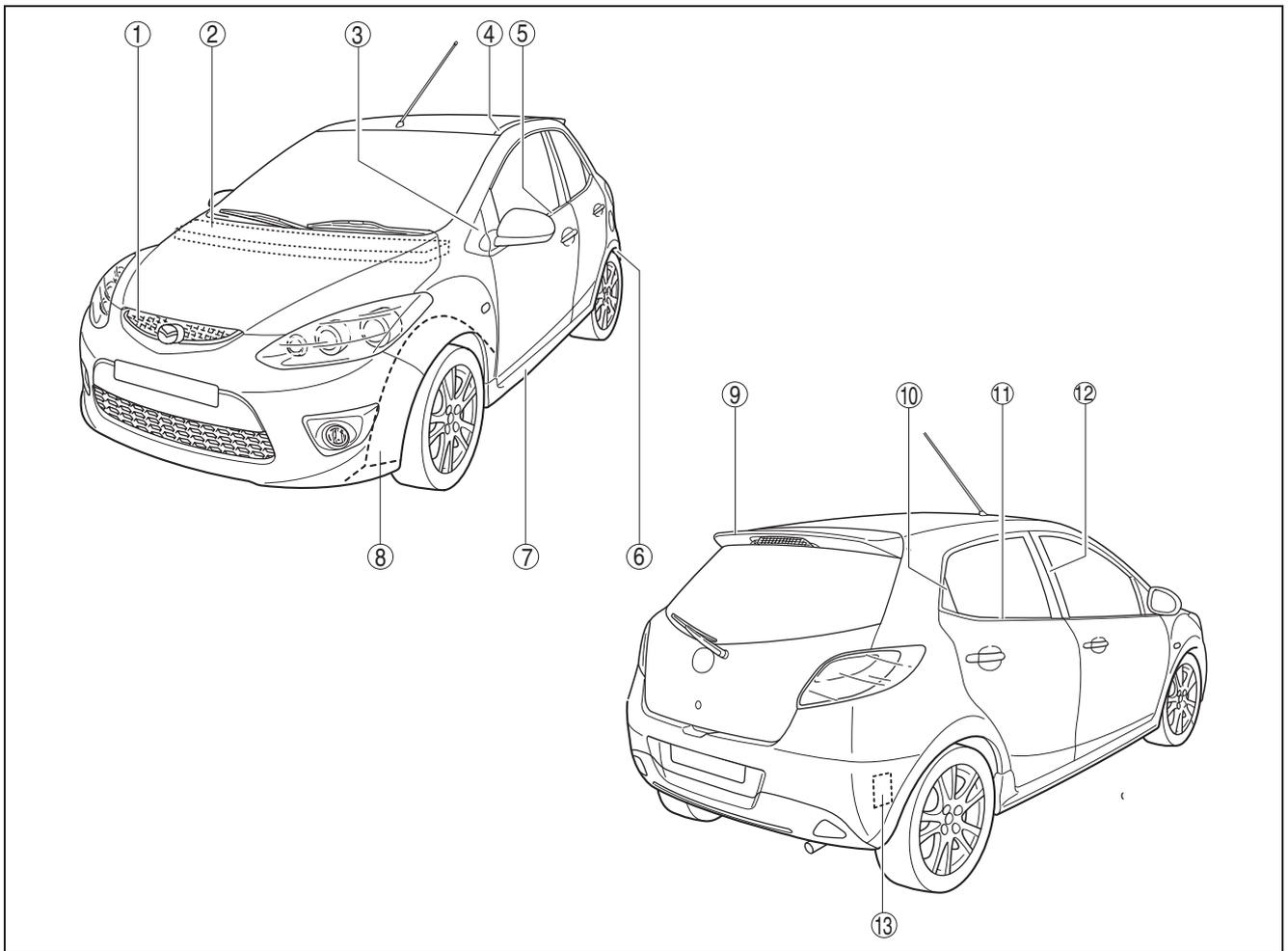
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1	Radiator grille (See 09-16-5 RADIATOR GRILLE REMOVAL/ INSTALLATION.)
2	Cowl grille (See 09-16-5 COWL GRILLE REMOVAL/ INSTALLATION.)
3	Sail garnish (See 09-16-7 SAIL GARNISH REMOVAL/ INSTALLATION.)
4	Roof molding (See 09-16-10 ROOF MOLDING REMOVAL.) (See 09-16-12 ROOF MOLDING INSTALLATION.)
5	Front beltline molding (See 09-16-9 FRONT BELTLINE MOLDING REMOVAL/INSTALLATION.)
6	Splash shield (See 09-16-9 SPLASH SHIELD REMOVAL/ INSTALLATION.)

7	Mudguard (See 09-16-8 MUDGUARD REMOVAL/ INSTALLATION.)
8	Rear beltline molding (See 09-16-10 REAR BELTLINE MOLDING REMOVAL/INSTALLATION.)
9	Door sash film (See 09-16-22 DOOR SASH FILM REMOVAL.) (See 09-16-22 DOOR SASH FILM INSTALLATION.)
10	Extractor chamber (See 09-16-7 EXTRACTOR CHAMBER REMOVAL/ INSTALLATION.)
11	Rear spoiler (See 09-16-18 REAR SPOILER REMOVAL [4SD].) (See 09-16-20 REAR SPOILER INSTALLATION [4SD].)

EXTERIOR TRIM

5HB



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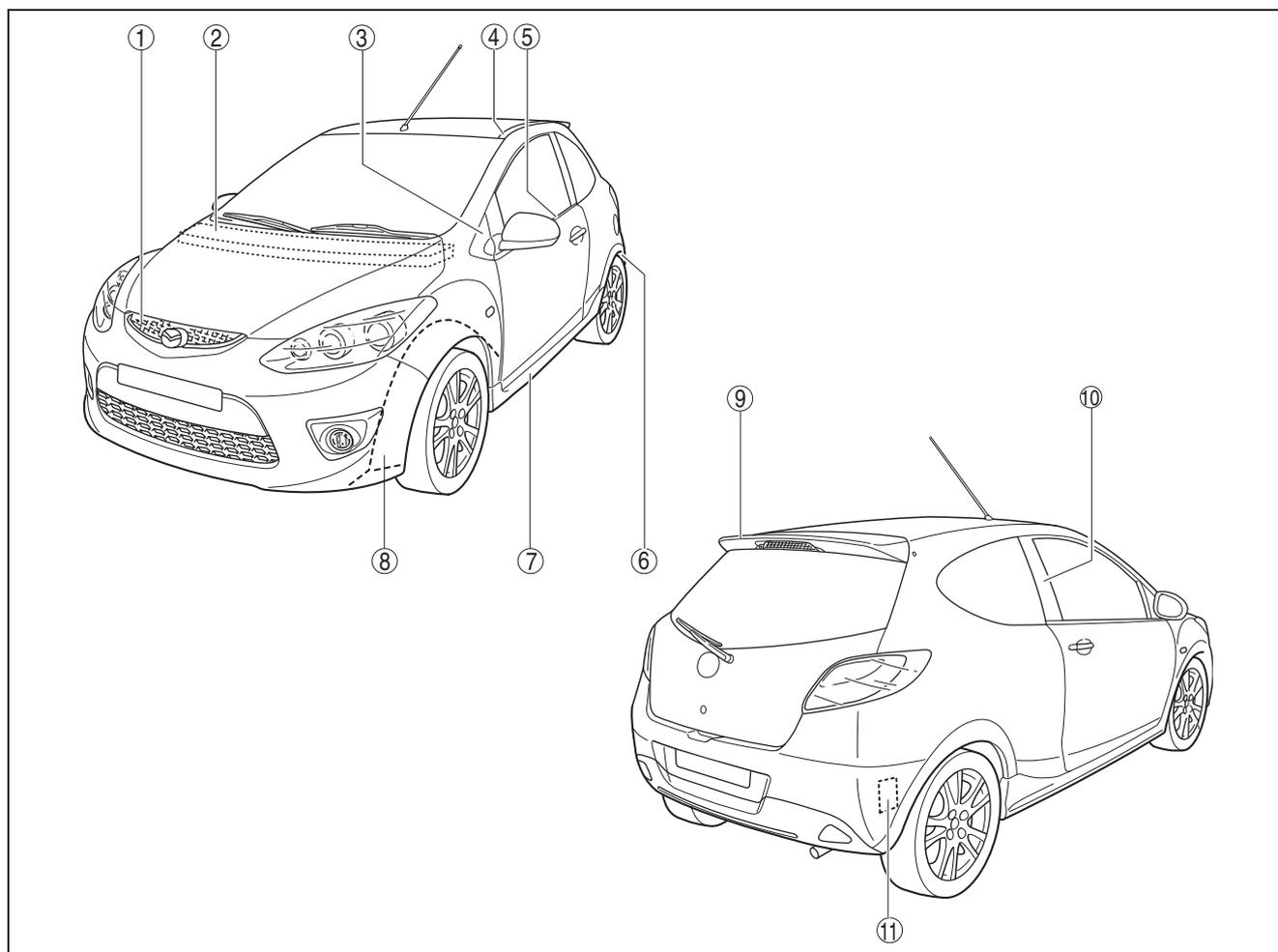
1	Radiator grille (See 09-16-5 RADIATOR GRILLE REMOVAL/ INSTALLATION.)
2	Cowl grille (See 09-16-5 COWL GRILLE REMOVAL/ INSTALLATION.)
3	Sail garnish (See 09-16-7 SAIL GARNISH REMOVAL/ INSTALLATION.)
4	Roof molding (See 09-16-10 ROOF MOLDING REMOVAL.) (See 09-16-12 ROOF MOLDING INSTALLATION.)
5	Front beltline molding (See 09-16-9 FRONT BELTLINE MOLDING REMOVAL/INSTALLATION.)
6	Splash shield (See 09-16-9 SPLASH SHIELD REMOVAL/ INSTALLATION.)
7	Side step molding (See 09-16-12 SIDE STEP MOLDING REMOVAL.) (See 09-16-14 SIDE STEP MOLDING INSTALLATION.)

8	Mudguard (See 09-16-8 MUDGUARD REMOVAL/ INSTALLATION.)
9	Rear spoiler (See 09-16-17 REAR SPOILER REMOVAL.) (See 09-16-19 REAR SPOILER INSTALLATION.)
10	Rear door garnish (See 09-16-21 REAR DOOR GARNISH REMOVAL/ INSTALLATION.)
11	Rear beltline molding (See 09-16-10 REAR BELTLINE MOLDING REMOVAL/INSTALLATION.)
12	Door sash film (See 09-16-22 DOOR SASH FILM REMOVAL.) (See 09-16-22 DOOR SASH FILM INSTALLATION.)
13	Extractor chamber (See 09-16-7 EXTRACTOR CHAMBER REMOVAL/ INSTALLATION.)

EXTERIOR TRIM

EXTERIOR TRIM LOCATION INDEX [3HB]

id0916004454z3



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1	Radiator grille (See 09-16-5 RADIATOR GRILLE REMOVAL/ INSTALLATION.)
2	Cowl grille (See 09-16-5 COWL GRILLE REMOVAL/ INSTALLATION.)
3	Sail garnish (See 09-16-7 SAIL GARNISH REMOVAL/ INSTALLATION.)
4	Roof molding (See 09-16-10 ROOF MOLDING REMOVAL.) (See 09-16-12 ROOF MOLDING INSTALLATION.)
5	Front beltline molding (See 09-16-10 FRONT BELTLINE MOLDING REMOVAL/INSTALLATION [3HB].)
6	Splash shield (See 09-16-9 SPLASH SHIELD REMOVAL/ INSTALLATION.)

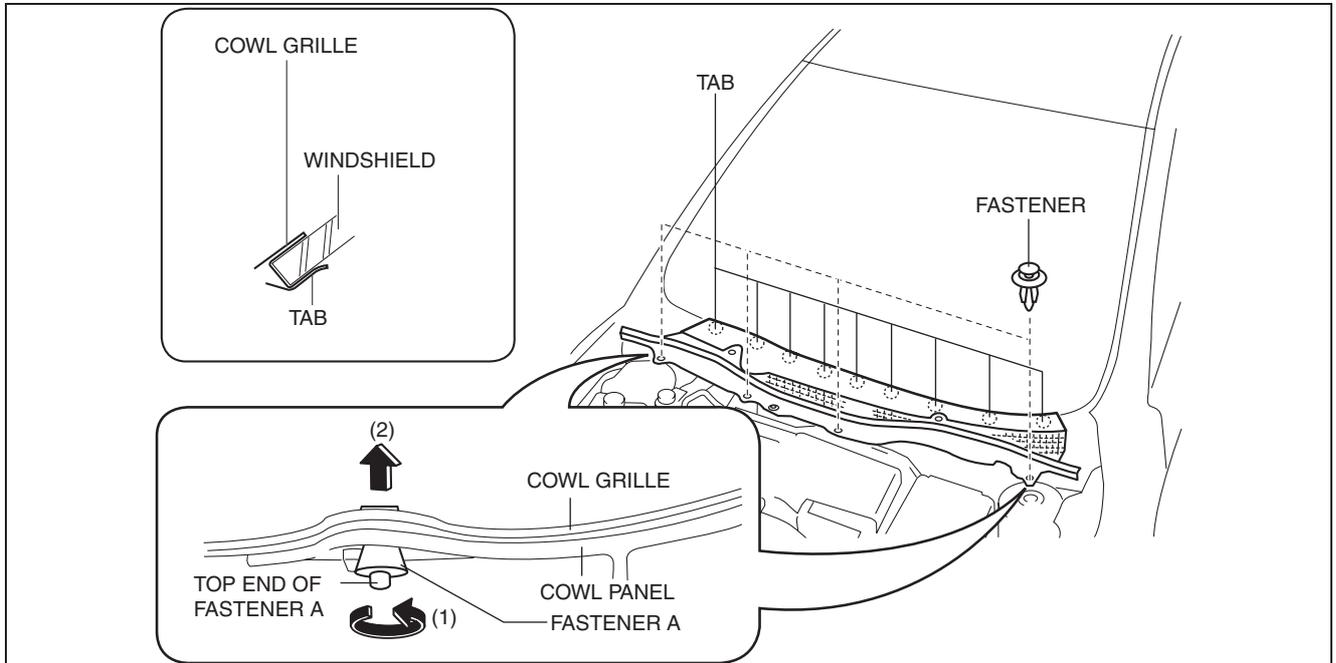
7	Side step molding (See 09-16-13 SIDE STEP MOLDING REMOVAL [3HB].) (See 09-16-15 SIDE STEP MOLDING INSTALLATION [3HB].)
8	Mudguard (See 09-16-8 MUDGUARD REMOVAL/ INSTALLATION.)
9	Rear spoiler (See 09-16-17 REAR SPOILER REMOVAL.) (See 09-16-19 REAR SPOILER INSTALLATION.)
10	Door sash film (See 09-16-22 DOOR SASH FILM REMOVAL [3HB].) (See 09-16-23 DOOR SASH FILM INSTALLATION [3HB].)
11	Extractor chamber (See 09-16-7 EXTRACTOR CHAMBER REMOVAL/ INSTALLATION.)

EXTERIOR TRIM

COWL GRILLE REMOVAL/INSTALLATION

id091600444000

1. Remove the windshield wiper arm and blade. (See 09-19-7 WINDSHIELD WIPER ARM AND BLADE REMOVAL/INSTALLATION)
2. Remove the front fender molding. (See 09-10-17 FRONT FENDER PANEL REMOVAL/INSTALLATION)
3. Disconnect the windshield washer hose and the connector.
4. Remove the fasteners.



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Note

- A screwdriver or other tool cannot be used to remove fasteners from the vehicle body panel. Therefore, insert a hand into the back side of the cowl panel, rotate fasteners A in the direction of the arrow (1), and press them up in the direction of the arrow (2).

5. Pull the cowl grille and remove it while detaching tabs.
6. Install in the reverse order of removal.

RADIATOR GRILLE REMOVAL/INSTALLATION

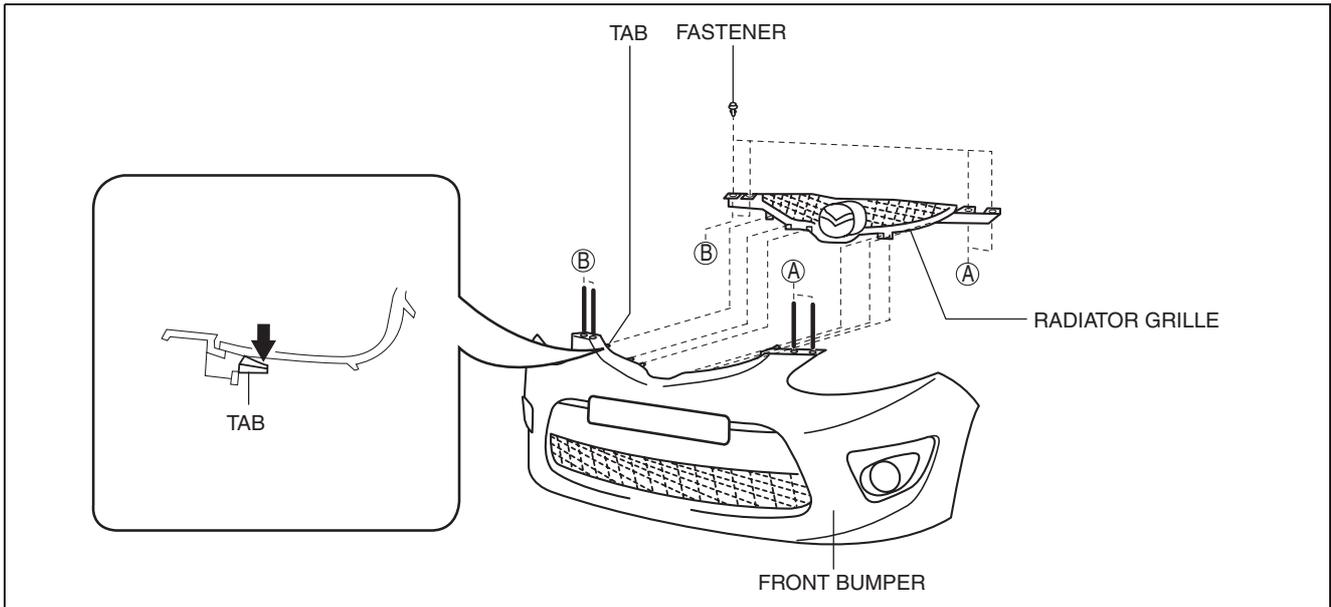
id091600468000

Standard Type

1. Remove the front bumper. (See 09-10-8 FRONT BUMPER REMOVAL/INSTALLATION)

EXTERIOR TRIM

2. Remove the fasteners.

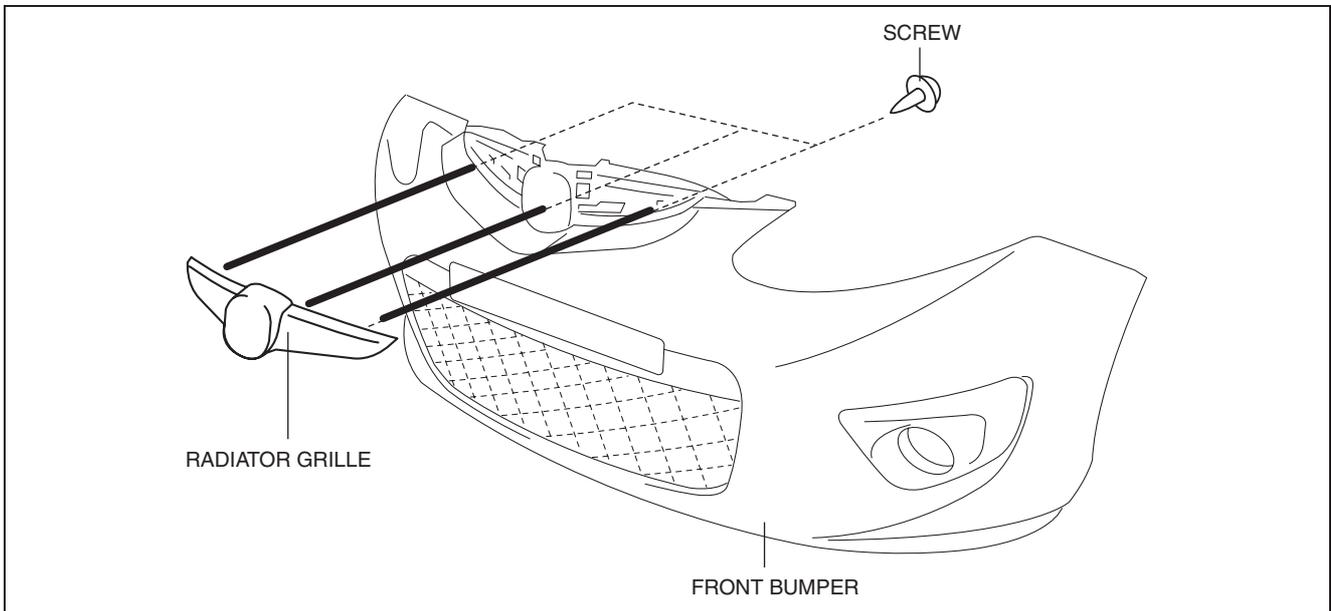


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3. Press the tab in the direction of the arrow shown in the figure and detach the front bumper from the radiator grille.
4. Remove the radiator grille.
5. Install in the reverse order of removal.

Sport Type

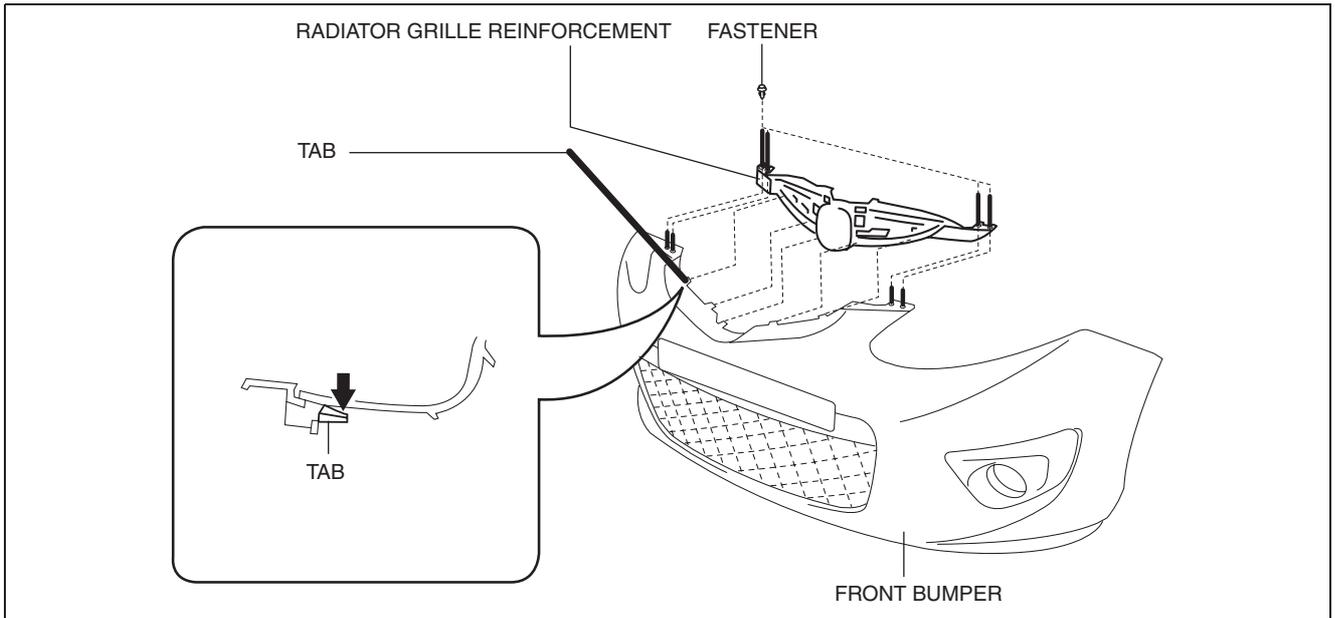
1. Remove the front bumper. (See 09-10-8 FRONT BUMPER REMOVAL/INSTALLATION)
2. Remove the screws, and remove the radiator grille.



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EXTERIOR TRIM

3. Remove the fasteners.



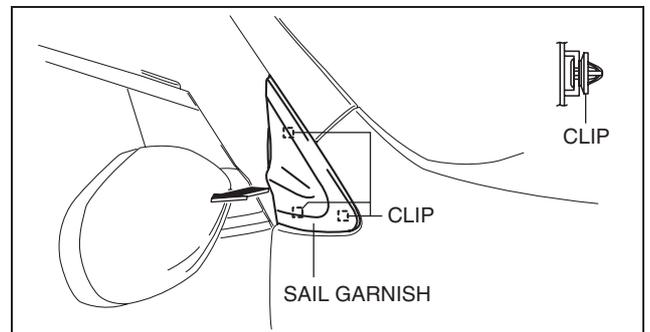
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4. Press the tab in the direction of the arrow shown in the figure and detach the front bumper from the radiator grille reinforcement.
5. Remove the radiator grille reinforcement.
6. Install in the reverse order of removal.

SAIL GARNISH REMOVAL/INSTALLATION

id091600451200

1. Open the front door.
2. Pull the sail garnish in the direction shown in the figure and remove it while detaching the clips.
3. Install in the reverse order of removal.

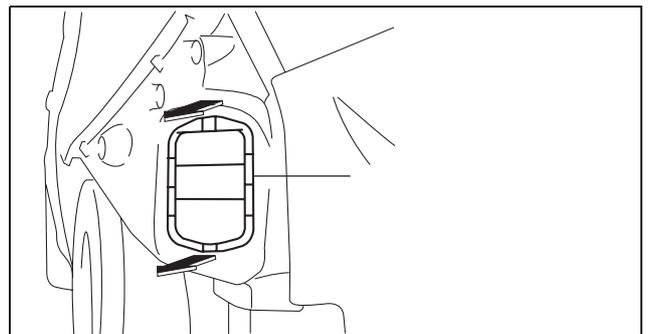


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EXTRACTOR CHAMBER REMOVAL/INSTALLATION

id091600449500

1. Remove the rear combination light. (See 09-18-23 REAR COMBINATION LIGHT REMOVAL/INSTALLATION)
2. Remove the splash shield. (See 09-16-9 SPLASH SHIELD REMOVAL/INSTALLATION)
3. Remove the rear bumper. (See 09-10-23 REAR BUMPER REMOVAL/INSTALLATION) (See 09-10-25 REAR BUMPER REMOVAL/INSTALLATION [4SD].)
4. Pull the extractor chamber in the direction of the arrow (1), (2) shown in the figure using a fastener remover and remove the extractor chamber.
5. Install in the reverse order of removal.

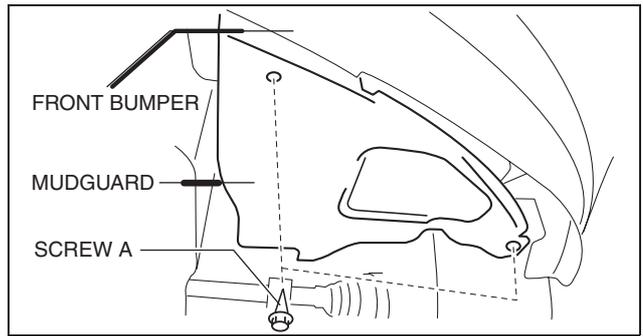


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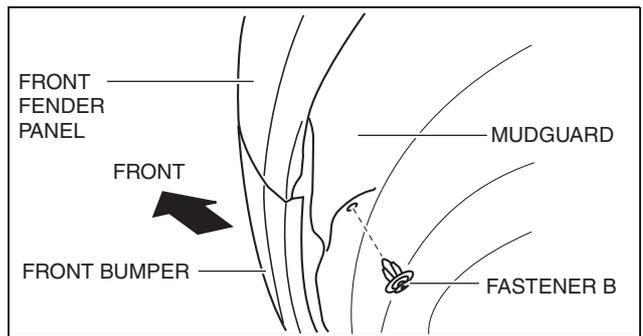
EXTERIOR TRIM

MUDGUARD REMOVAL/INSTALLATION

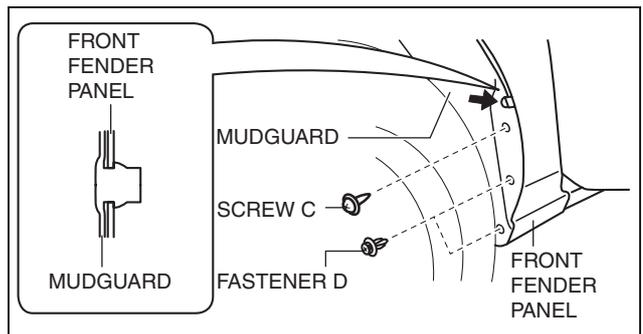
1. Remove screw A joined to the front bumper.



2. Remove fastener B.

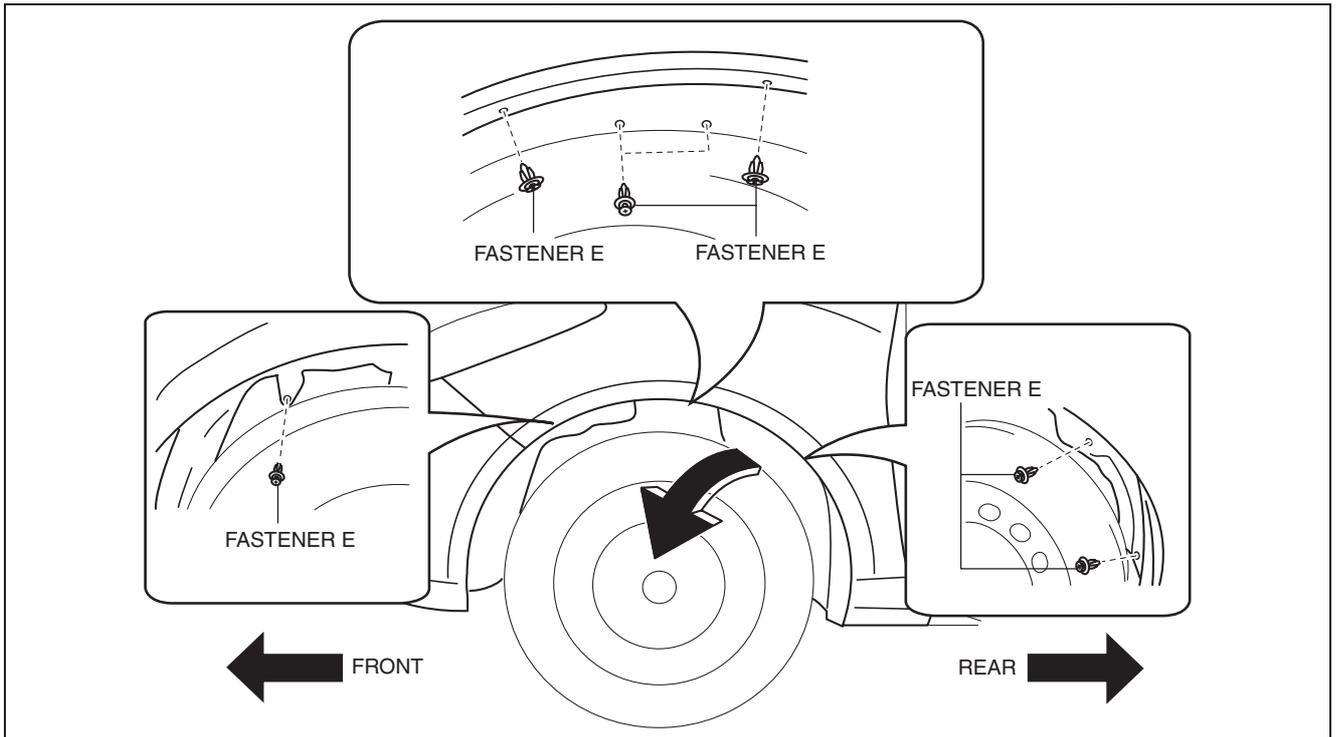


3. After removing screw C and fastener D, insert a fastener remover in the position indicated by the arrow in the figure and detach the mudguard from the front fender panel.



EXTERIOR TRIM

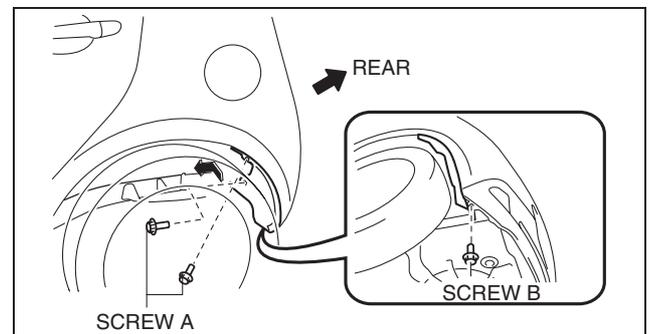
4. Remove fasteners E, then remove the mudguard in the direction of the arrow shown in the figure.



5. Install in the reverse order of removal.

SPLASH SHIELD REMOVAL/INSTALLATION

1. Remove the screws A and B, then remove the splash shield in the direction of the arrow shown in the figure.
2. Install in the reverse order of removal.

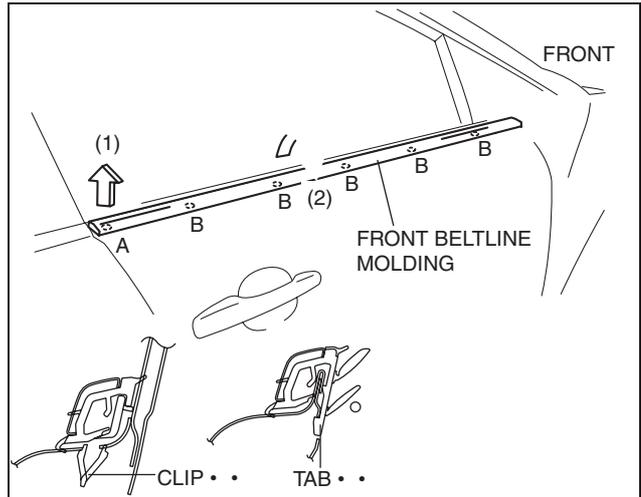


FRONT BELTLINE MOLDING REMOVAL/INSTALLATION

1. Fully open the front door glass.
 2. Disconnect the negative battery cable.
 3. Remove the inner garnish. (See 09-17-34 INNER GARNISH REMOVAL/INSTALLATION)
 4. Remove the front door trim. (See 09-17-58 FRONT DOOR TRIM REMOVAL/INSTALLATION)
 5. Remove the power outer mirror. (See 09-12-44 POWER OUTER MIRROR REMOVAL/INSTALLATION)
- id091600447700

EXTERIOR TRIM

- Remove clip A using a fastener remover and pull the front beltline molding in the direction of the arrow (1) shown in the figure.
- Rotate the front beltline molding in the direction of the arrow (2) shown in the figure and remove it while detaching tab B.
- Install in the reverse order of removal.

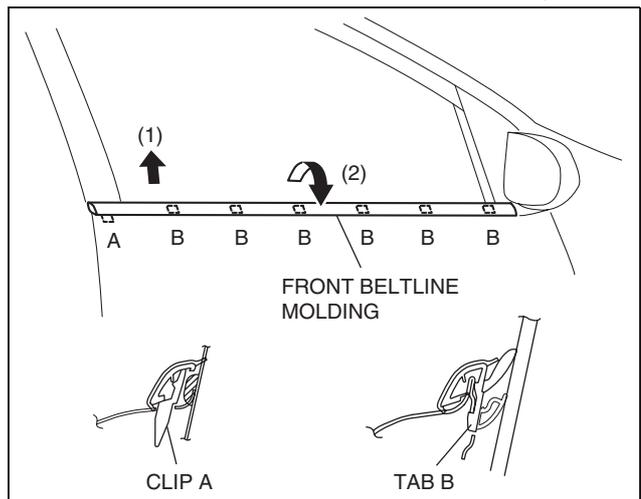


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FRONT BELTLINE MOLDING REMOVAL/INSTALLATION [3HB]

id0916004477z3

- Fully open the front door glass.
- Disconnect the negative battery cable.
- Remove the inner garnish. (See 09-17-34 INNER GARNISH REMOVAL/INSTALLATION)
- Remove the front door trim. (See 09-17-59 FRONT DOOR TRIM REMOVAL/INSTALLATION [3HB])
- Remove the power outer mirror. (See 09-12-44 POWER OUTER MIRROR REMOVAL/INSTALLATION)
- Remove clip A using a fastener remover and pull the front beltline molding in the direction of the arrow (1) shown in the figure.
- Rotate the front beltline molding in the direction of the arrow (2) shown in the figure and remove it while detaching tab B.
- Install in the reverse order of removal.

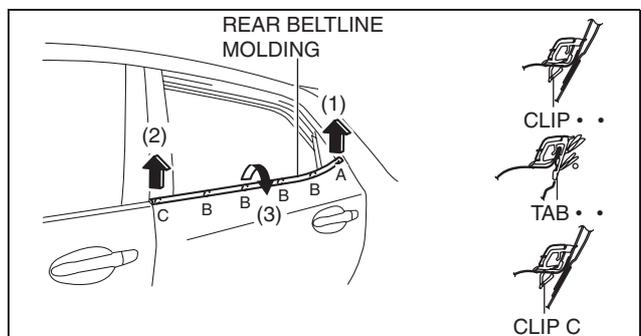


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REAR BELTLINE MOLDING REMOVAL/INSTALLATION

id091600447900

- Fully open the rear door glass.
- Remove clip A using a fastener remover and pull up the rear beltline molding in the direction of the arrow (1) shown in the figure.
- Remove clip C using a fastener remover and pull up the rear beltline molding in the direction of the arrow (2) shown in the figure.
- Rotate the rear beltline molding in the direction of the arrow (3) shown in the figure and remove it while detaching tabs B.
- Install in the reverse order of removal.



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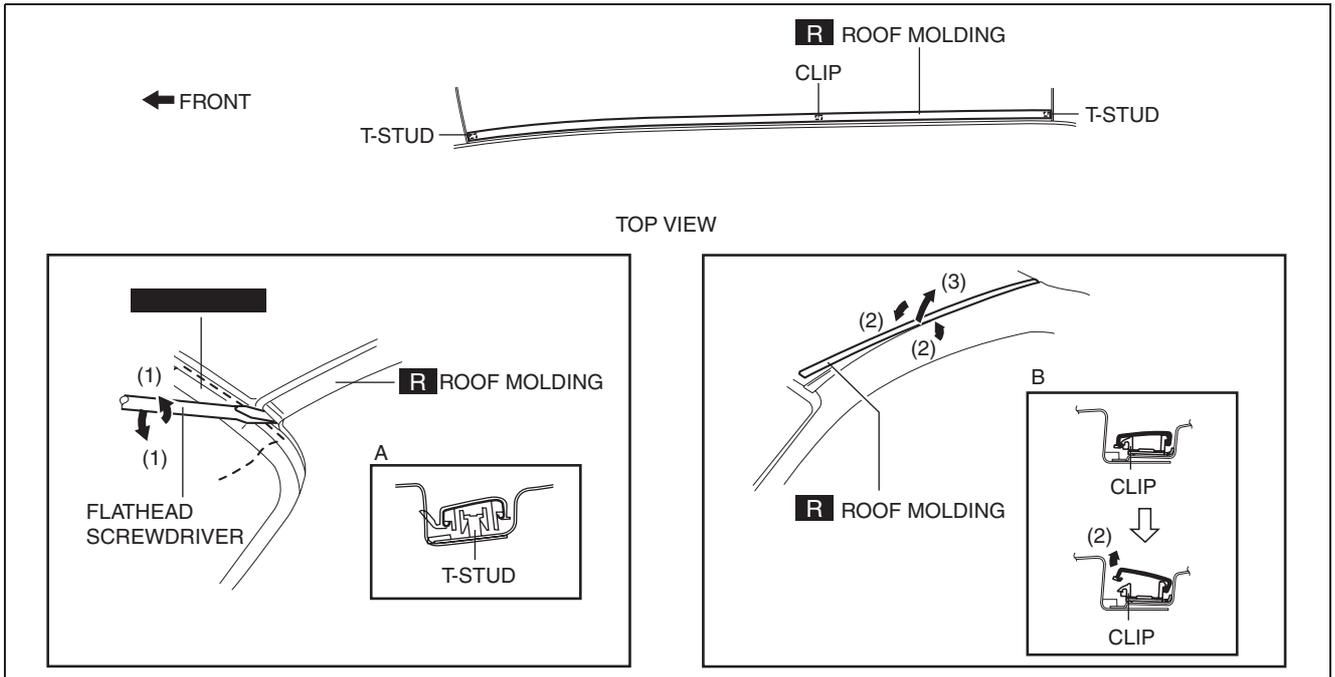
ROOF MOLDING REMOVAL

id091600447800

- Insert a flathead screwdriver in the position shown in the figure.
- Rotate the flathead screwdriver in the direction of the arrow (1) shown in the figure and remove the roof molding from the T-stud (figure A).

EXTERIOR TRIM

3. Rotate the roof molding in the direction of the arrow (2) shown in the figure, pull up the roof molding in the direction of the arrow (3) while detaching it from the clip (figure B), and then remove the roof molding.

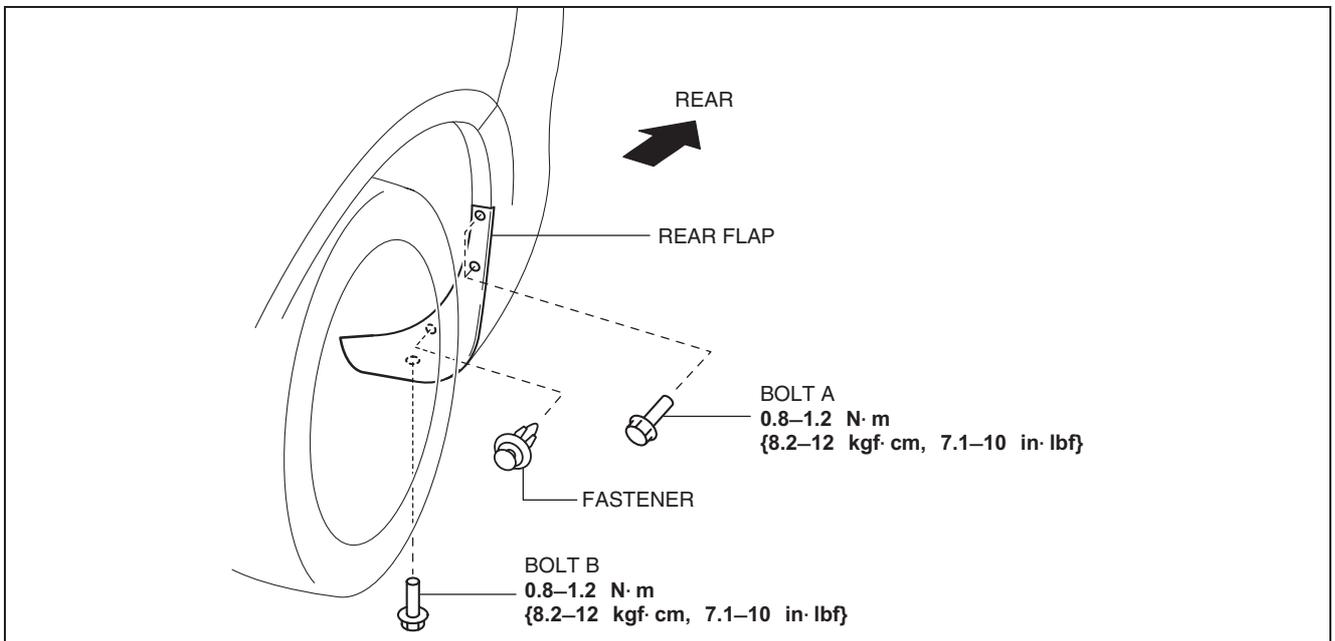


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REAR FLAP REMOVAL/INSTALLATION

id091600806600

1. Remove the fastener.
2. Remove the bolts A and B.



am2zzw0000340

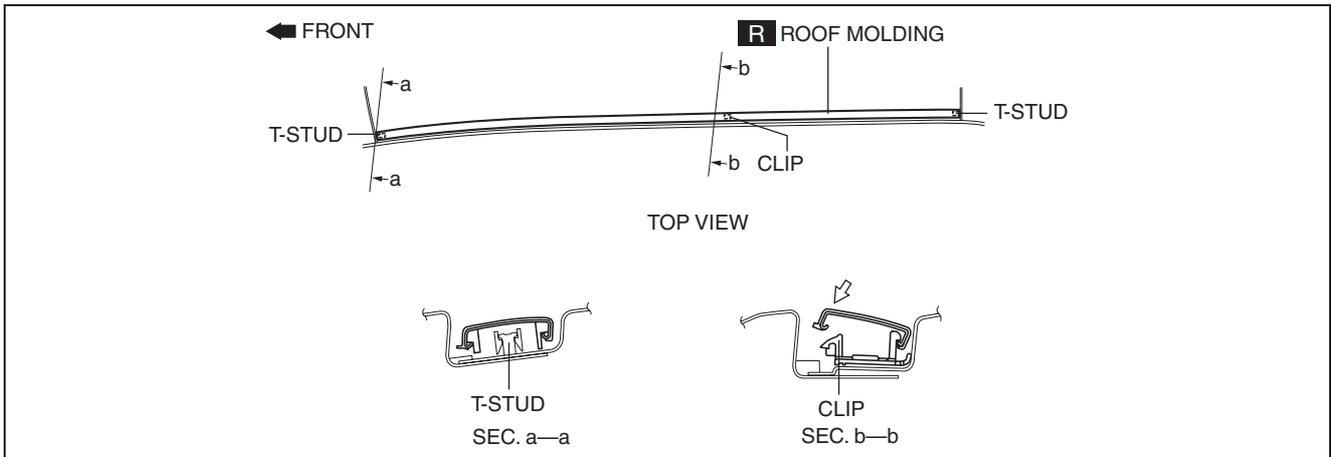
3. Remove the rear flap.
4. Install in the reverse order of removal.

EXTERIOR TRIM

ROOF MOLDING INSTALLATION

id091600447600

1. Install the roof molding to the front T-stud.



am2zzw0000189

2. Hook the roof molding to the clip and attach the roof molding while pressing it in the direction of the arrow shown in the figure.
3. Install the roof molding to the rear T-stud.

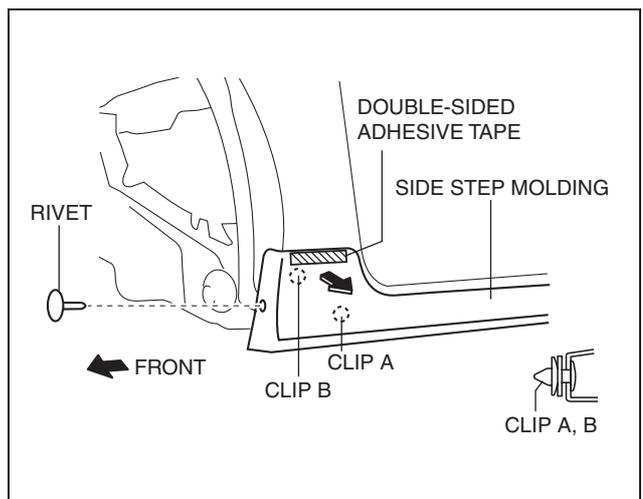
SIDE STEP MOLDING REMOVAL

id091600717600

1. Remove the rivet.
2. Cut the double-sided adhesive tape shown in the figure using a utility knife and pull clips A and B in the direction of the arrow to remove them.

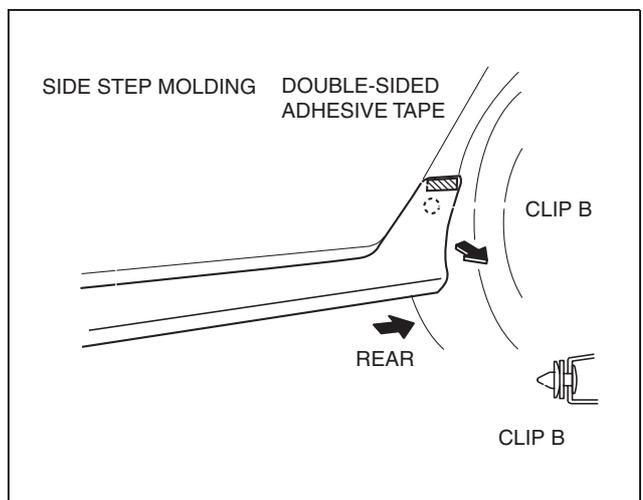
Warning

- Using a utility knife with bare hands could cause injury. Always wear gloves when using a utility knife.



am2zzw0000450

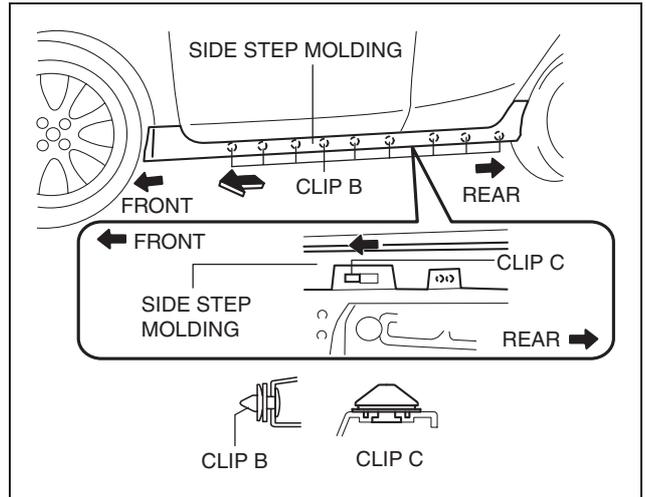
3. Cut the double-sided adhesive tape shown in the figure using a utility knife and pull clip B in the direction of the arrow to remove it.



am2zzw0000450

EXTERIOR TRIM

- Slide the side step molding in the direction of the arrow shown in the figure and remove the side step molding from clips B and C.
- After removing the side step molding, remove clips B and C from the body using a fastener remover.



am2zzw0000450

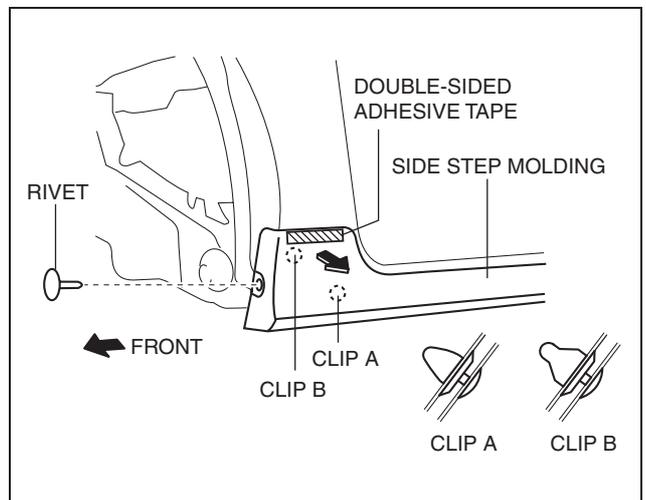
SIDE STEP MOLDING REMOVAL [3HB]

id0916007176z3

- Remove the rivet.
- Cut the double-sided adhesive tape shown in the figure using a utility knife and pull clips A and B in the direction of the arrow to remove them.

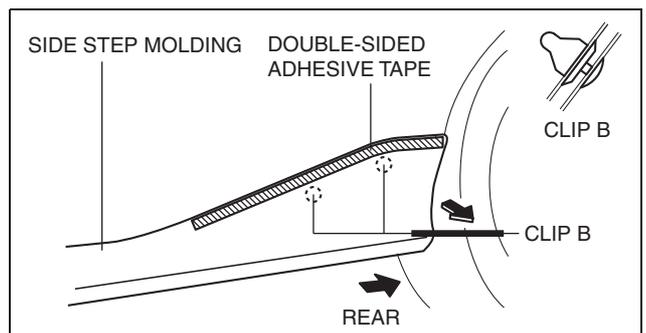
Warning

- Using a utility knife with bare hands could cause injury. Always wear gloves when using a utility knife.



am2zzw0000451

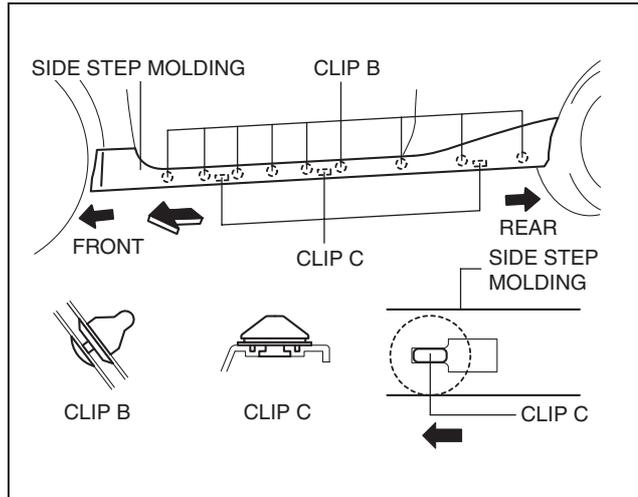
- Cut the double-sided adhesive tape shown in the figure using a utility knife and pull clip B in the direction of the arrow to remove it.



am2zzw0000451

EXTERIOR TRIM

4. Slide the side step molding in the direction of the arrow shown in the figure and remove the side step molding from clips B and C.
5. After removing the side step molding, remove clips B and C from the body using a fastener remover.



am2zzw0000451

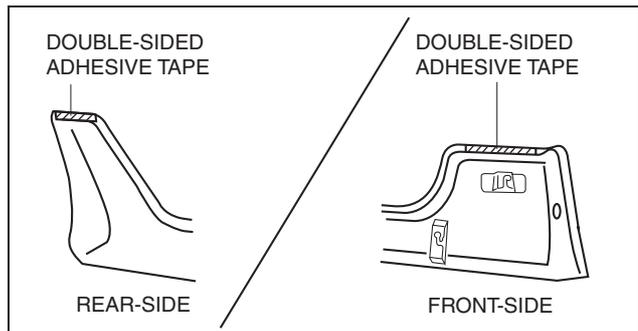
SIDE STEP MOLDING INSTALLATION

id091600717700

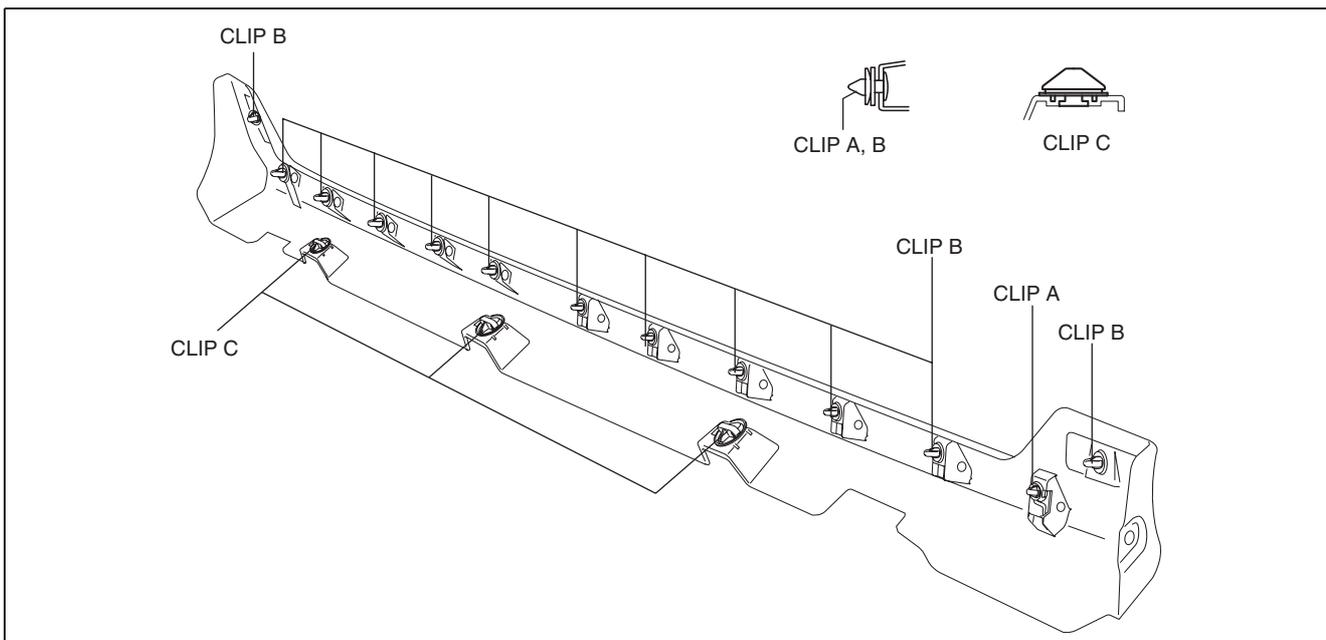
Note

- Double-sided adhesive tape has already been adhered to a new side step molding for installation.
- When a side step molding is to be reused, perform the following procedure:
 1. Remove any grease or dirt from the affixing surface of the side step molding.
 2. Affix double-sided adhesive tape to the position shown in the figure.

1. Install new clips A, B, C to the side step molding.



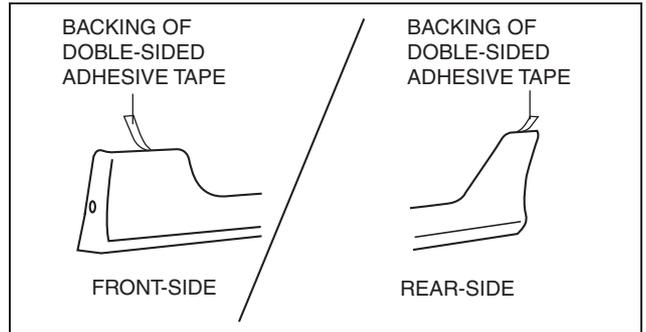
am2zzw0000190



am2zzw0000451

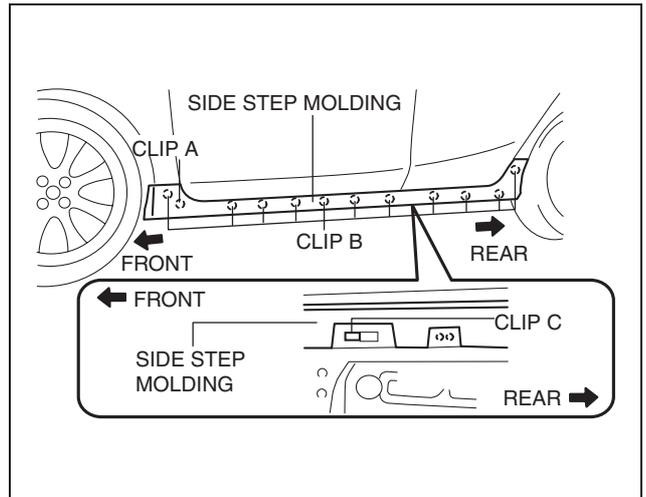
EXTERIOR TRIM

2. Peel the tape backing of double-sided adhesive tape to the position shown in the figure.



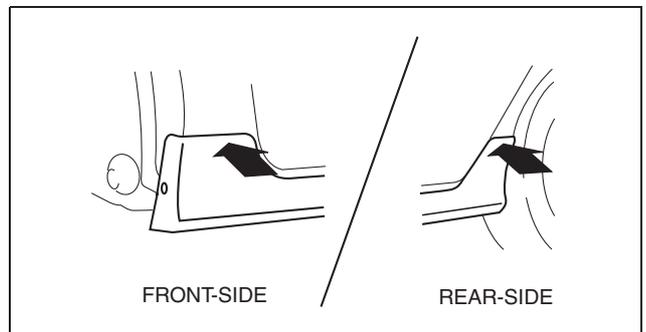
am2zzw0000190

3. Install the side step molding while pushing the clip A, B and C installation area shown in the figure.



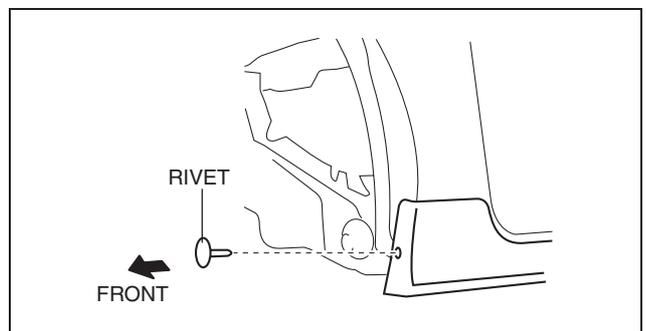
am2zzw0000451

4. Press the position shown in the figure.



am2zzw0000191

5. Install the rivet.



am2zzw0000451

SIDE STEP MOLDING INSTALLATION [3HB]

id0916007177z3

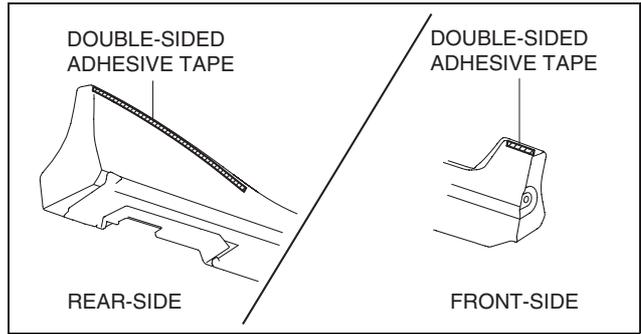
Note

- Double-sided adhesive tape has already been adhered to a new side step molding for installation.
- When a side step molding is to be reused, perform the following procedure:
 1. Remove any grease or dirt from the affixing surface of the side step molding.

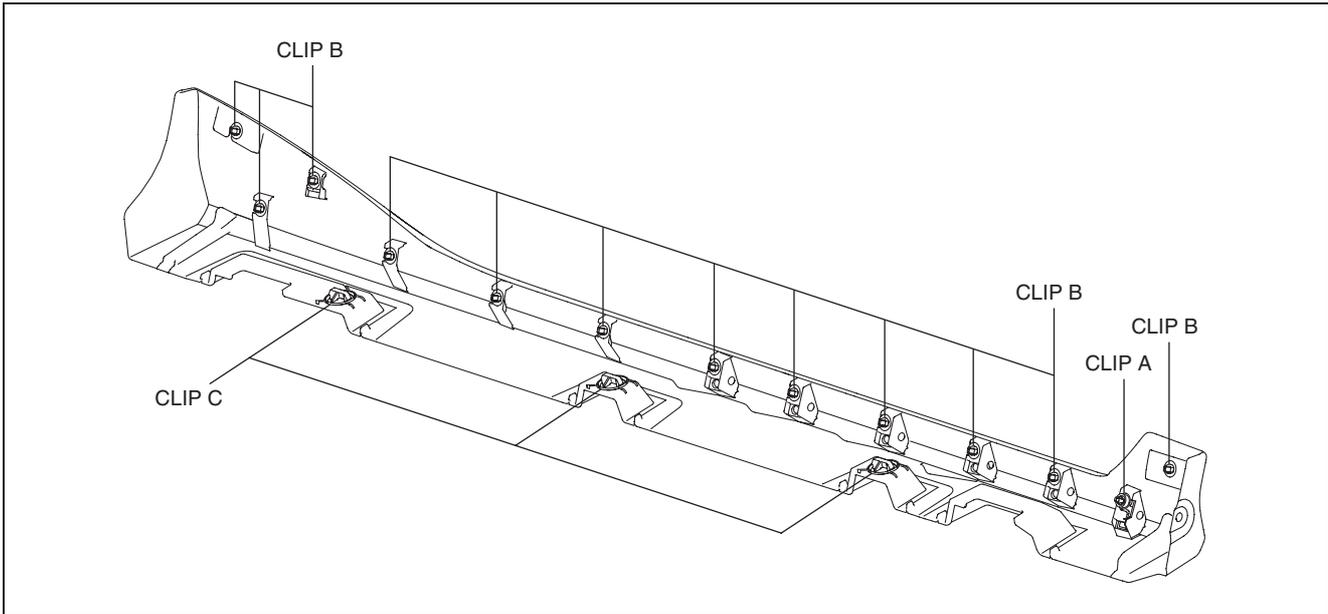
EXTERIOR TRIM

2. Affix double-sided adhesive tape to the position shown in the figure.

1. Install new clips A, B, C to the side step molding.

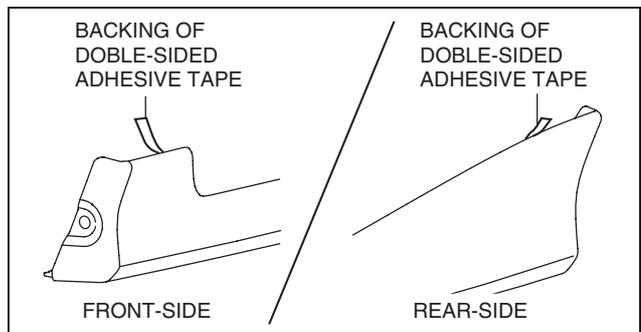


am2zzw0000340



am2zzw0000340

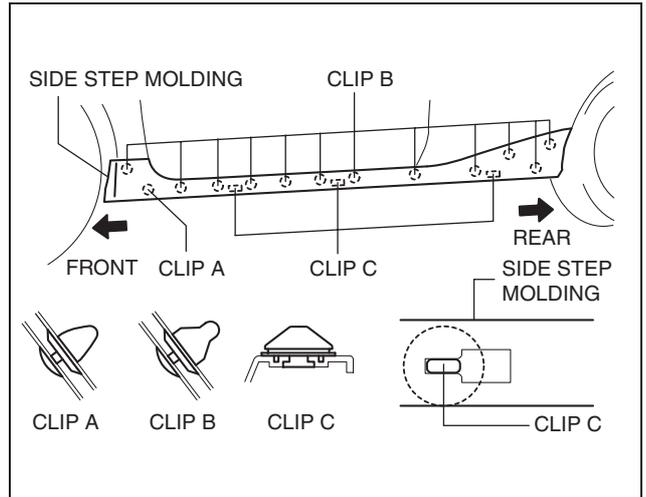
2. Peel the tape backing of double-sided adhesive tape to the position shown in the figure.



am2zzw0000340

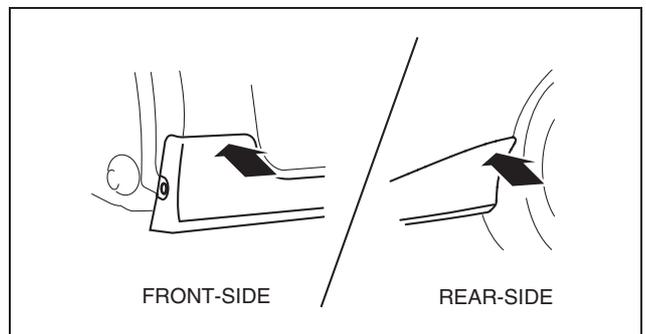
EXTERIOR TRIM

3. Install the side step molding while pushing the clip A, B and C installation area shown in the figure.



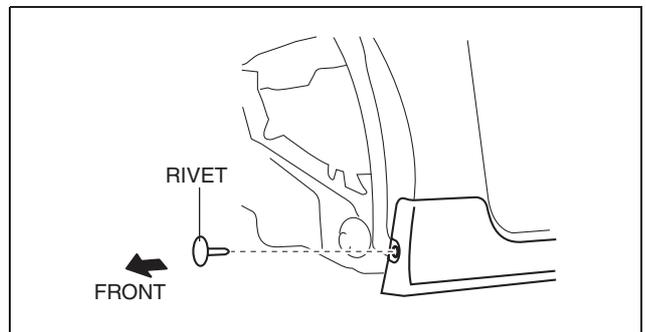
am2zzw0000451

4. Press the position shown in the figure.



am2zzw0000340

5. Install the rivet.

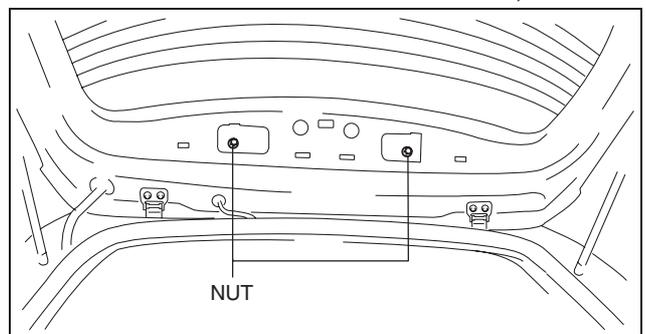


am2zzw0000451

REAR SPOILER REMOVAL

id091600451500

1. Remove the liftgate upper trim. (See 09-17-78 LIFTGATE UPPER TRIM REMOVAL/INSTALLATION)
2. Remove the nuts.



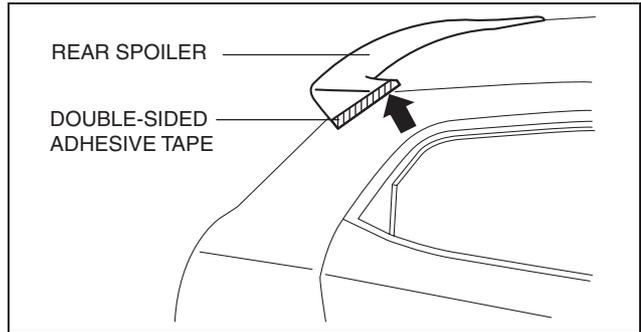
am2zzw0000192

EXTERIOR TRIM

3. Peel off double-sided adhesive tape from the position shown in the figure using a utility knife.

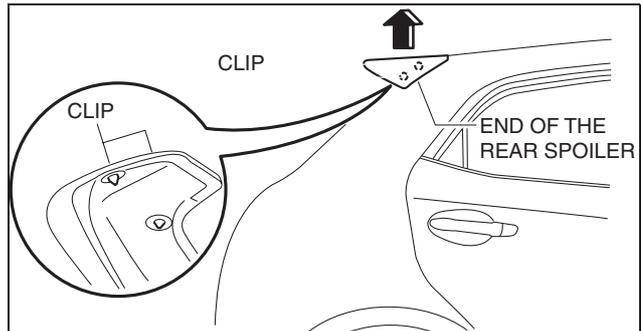
Warning

- Using a utility knife with bare hands could cause injury. Always wear gloves when using a utility knife.



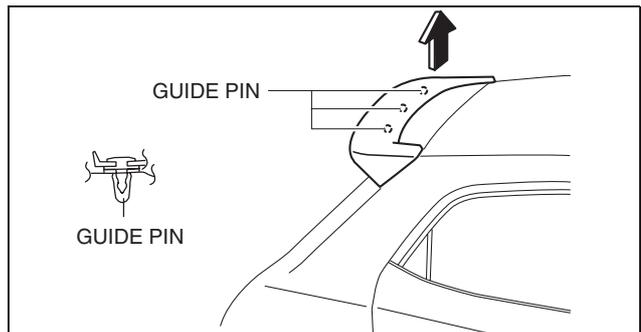
am2zzw0000192

4. Pull up the end of the rear spoiler in the direction of the arrow shown in the figure and remove the clips.



adejjw00003311

5. Pull up the rear spoiler in the direction of the arrow shown in the figure and remove it while detaching the guide pins.



am2zzw0000192

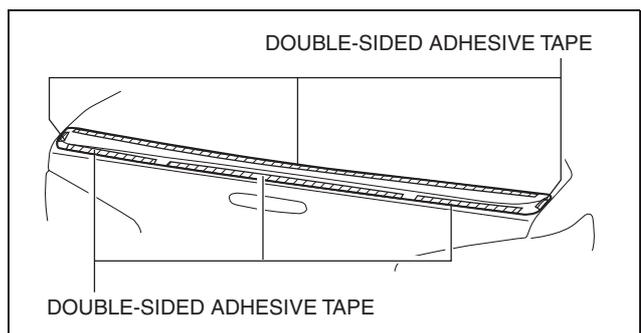
REAR SPOILER REMOVAL [4SD]

id0916004515z7

1. Peel off double-sided adhesive tape from the position shown in the figure using a utility knife.

Warning

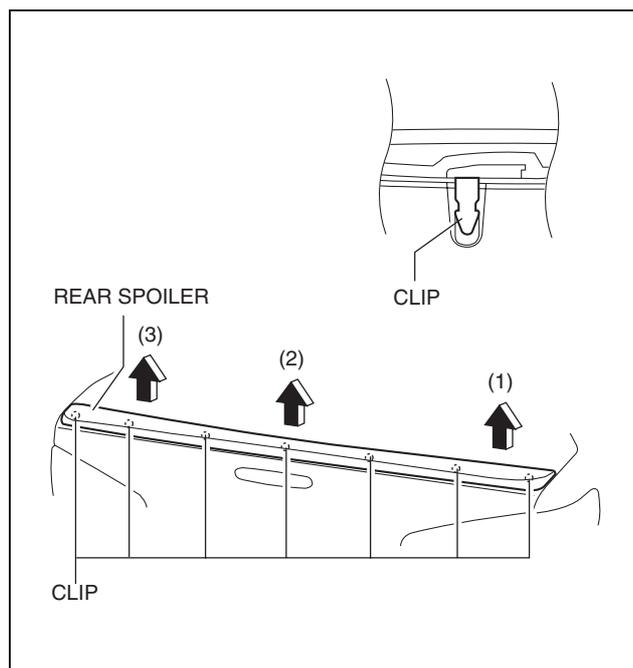
- Using a utility knife with bare hands could cause injury. Always wear gloves when using a utility knife.



am2zzw0000508

EXTERIOR TRIM

2. Pull up the rear spoiler in the direction of the arrow (1), (2), (3) shown in the figure and remove the clips.
3. Remove the rear spoiler.



am2zzw0000508

REAR SPOILER INSTALLATION

id091600451600

Warning

- Using a utility knife with bare hands could cause injury. Always wear gloves when using a utility knife.

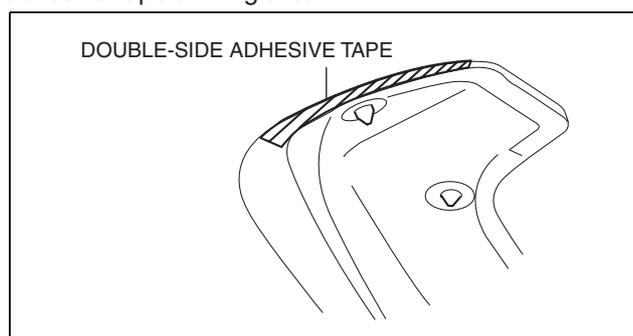
Note

- Double-sided adhesive tape has already been adhered to a new rear spoiler for installation.

1. When installing a new rear spoiler, perform the following procedure:
 1. Remove the double-sided adhesive tape on the liftgate.
 2. Remove any grease or dirt from the affixing surface of the liftgate.
2. If the rear spoiler is to be reused, perform the following procedure:
 1. Remove the double-sided adhesive tape remaining on the rear spoiler and liftgate after removal.
 2. Remove any grease and dirt from the double-sided adhesive tape affixing area.
 3. Affix double-sided adhesive tape to the position shown in the figure.

Note

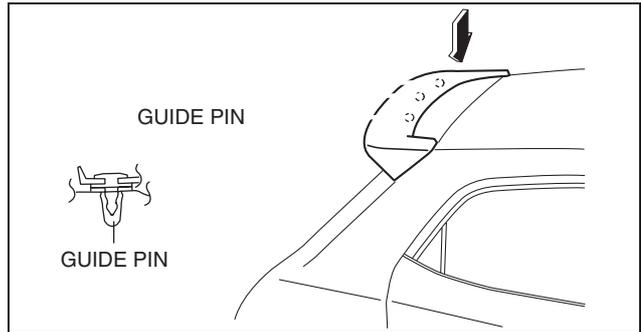
- Use the 3M 5079-type of double-sided adhesive tape, or the equivalent.



am2zzw0000192

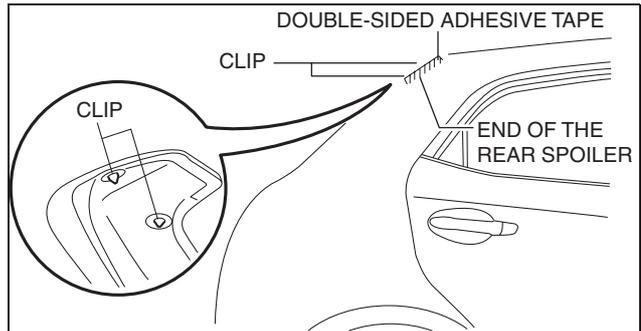
EXTERIOR TRIM

3. Install the rear spoiler in the direction of the arrow shown in the figure while inserting the guide pins in the vehicle side.



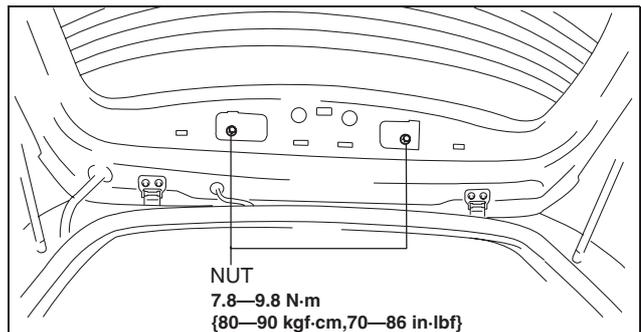
am2zzw0000192

4. Press the end of the rear spoiler and affix double-sided adhesive tape while installing the clips.



adejjw00003325

5. Tighten the nuts.
6. Install the liftgate upper trim. (See 09-17-78 LIFTGATE UPPER TRIM REMOVAL/INSTALLATION)



am2zzw0000193

REAR SPOILER INSTALLATION [4SD]

id0916004516z7

Warning

- Using a utility knife with bare hands could cause injury. Always wear gloves when using a utility knife.

Note

- Double-sided adhesive tape has already been adhered to a new rear spoiler for installation.

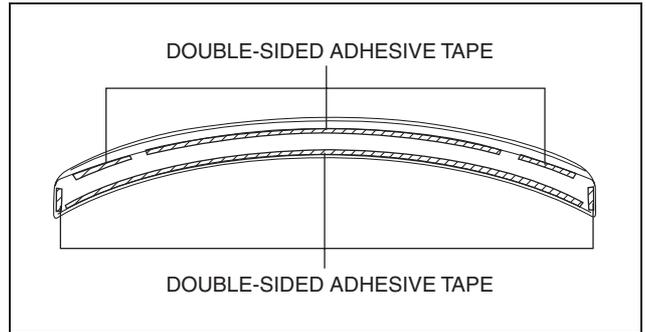
1. When installing a new rear spoiler, perform the following procedure:
 1. Remove the double-sided adhesive tape on the trunk lid.
 2. Remove any grease or dirt from the affixing surface of the trunk lid.
2. If the rear spoiler is to be reused, perform the following procedure:
 1. Remove the double-sided adhesive tape remaining on the rear spoiler and trunk lid after removal.
 2. Remove any grease and dirt from the double-sided adhesive tape affixing area.

EXTERIOR TRIM

3. Affix double-sided adhesive tape to the position shown in the figure.

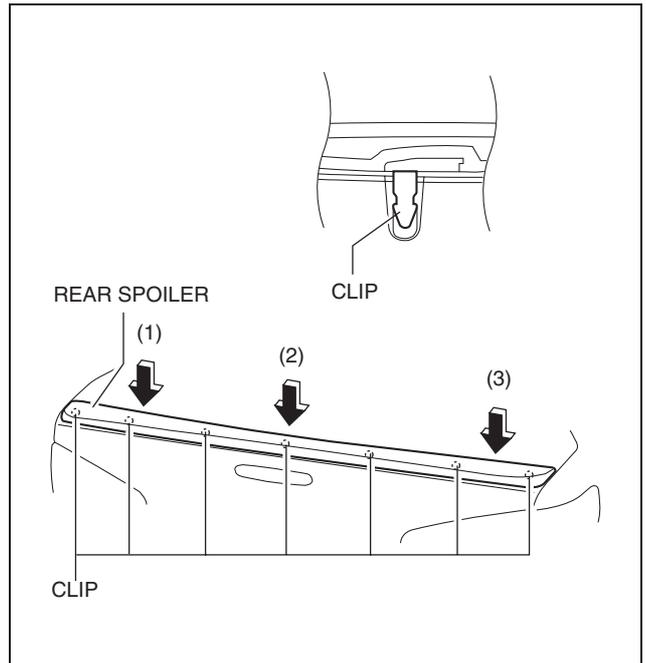
Note

- Use the 3M GT7116-type of double-sided adhesive tape, or the equivalent.



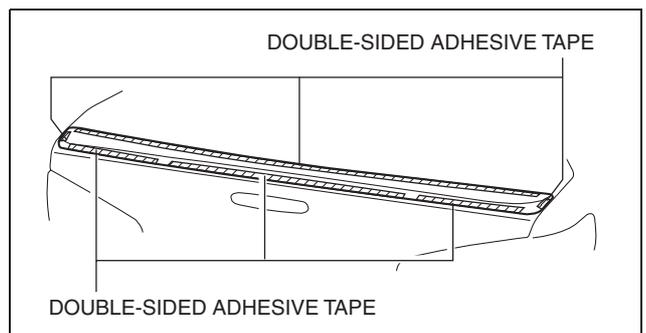
am2zzw0000497

3. Install the rear spoiler in the direction of the arrow (1), (2), (3) shown in the figure while inserting the clips in the vehicle side.



am2zzw0000498

4. Press the rear spoiler and affix double-sided adhesive tapes.



am2zzw0000498

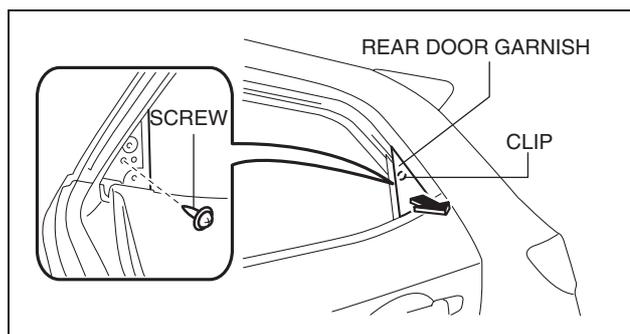
REAR DOOR GARNISH REMOVAL/INSTALLATION

id091600445700

1. Remove the sail inner garnish. (See 09-17-53 SAIL INNER GARNISH REMOVAL/INSTALLATION)

EXTERIOR TRIM

2. Remove the screw from the inside of the vehicle.
3. Pull the rear door garnish in the direction of the arrow shown in the figure and remove it while detaching the clip.
4. Install in the reverse order of removal.



am2zzw0000192

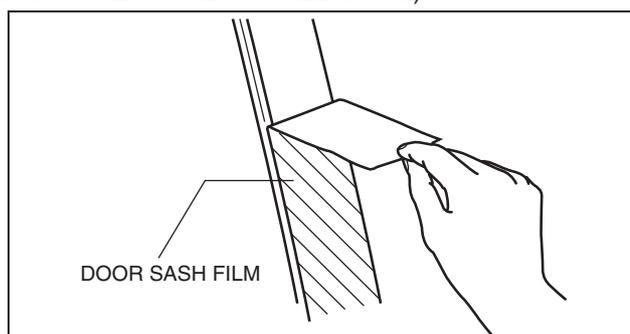
DOOR SASH FILM REMOVAL

id091600445500

1. Partially peel back the glass run channel.
2. Partially peel back the door weatherstrip.
3. Remove the following parts:
 - (1) Inner garnish (See 09-17-34 INNER GARNISH REMOVAL/INSTALLATION.)
 - (2) Front door trim (See 09-17-58 FRONT DOOR TRIM REMOVAL/INSTALLATION.)
 - (3) Power outer mirror (See 09-12-44 POWER OUTER MIRROR REMOVAL/INSTALLATION.)
 - (4) Sail inner garnish (See 09-17-53 SAIL INNER GARNISH REMOVAL/INSTALLATION.)
 - (5) Rear door trim (See 09-17-65 REAR DOOR TRIM REMOVAL/INSTALLATION.)
 - (6) Front beltline molding (See 09-16-7 EXTRACTOR CHAMBER REMOVAL/INSTALLATION.)
 - (7) Rear beltline molding (See 09-16-10 REAR BELTLINE MOLDING REMOVAL/INSTALLATION.)
 - (8) Rear door garnish (See 09-16-21 REAR DOOR GARNISH REMOVAL/INSTALLATION.)
4. Peel off the door sash film by pulling it outward from one end.

Note

- Slowly remove the door sash film because it could tear easily.



am2zzw0000192

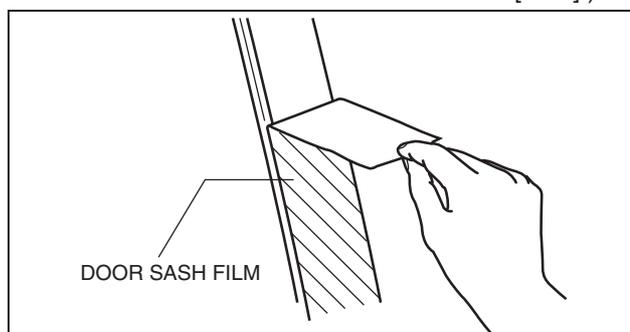
DOOR SASH FILM REMOVAL [3HB]

id0916004455z3

1. Partially peel back the glass run channel.
2. Partially peel back the door weatherstrip.
3. Remove the following parts:
 - (1) Inner garnish (See 09-17-34 INNER GARNISH REMOVAL/INSTALLATION.)
 - (2) Front door trim (See 09-17-59 FRONT DOOR TRIM REMOVAL/INSTALLATION [3HB].)
 - (3) Power outer mirror (See 09-12-44 POWER OUTER MIRROR REMOVAL/INSTALLATION.)
 - (4) Sail inner garnish (See 09-17-53 SAIL INNER GARNISH REMOVAL/INSTALLATION.)
 - (5) Front beltline molding (See 09-16-10 FRONT BELTLINE MOLDING REMOVAL/INSTALLATION [3HB].)
4. Peel off the door sash film by pulling it outward from one end.

Note

- Slowly remove the door sash film because it could tear easily.



am2zzw0000192

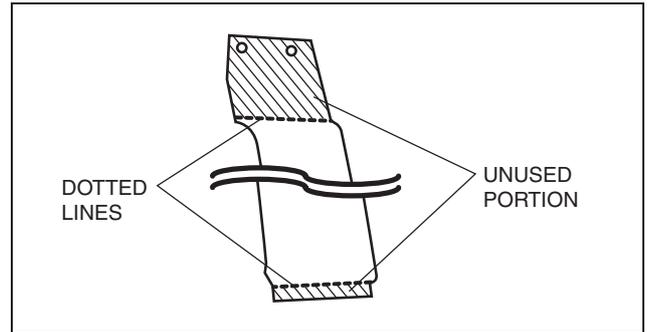
DOOR SASH FILM INSTALLATION

id091600445600

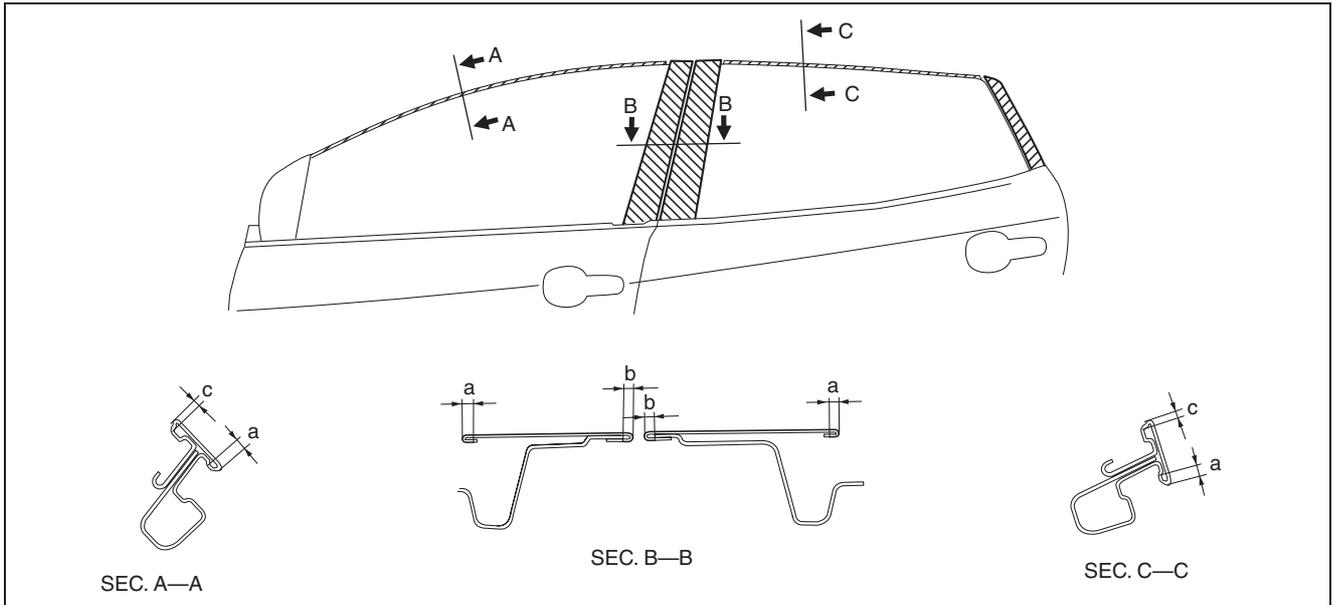
1. Remove any grease or dirt from the affixing surface of the door.

EXTERIOR TRIM

2. Cut away the unused portion along the dotted lines.
3. Peel off the tape backing and attach the door sash film onto the door as shown in the figure.



am2zzw0000192



adejjw00003343

Standard clearance

- a: 4.0 mm {0.16 in}
- b: 3.0—5.0 mm {0.12—0.19 in}
- c: 3.0 mm {0.12 in} or more

4. Peel off the transparent protective film on the door sash film.
5. Install the following parts:
 - (1) Rear door garnish (See 09-16-21 REAR DOOR GARNISH REMOVAL/INSTALLATION.)
 - (2) Rear beltline molding (See 09-16-10 REAR BELTLINE MOLDING REMOVAL/INSTALLATION.)
 - (3) Front beltline molding (See 09-16-9 FRONT BELTLINE MOLDING REMOVAL/INSTALLATION.)
 - (4) Rear door trim (See 09-17-65 REAR DOOR TRIM REMOVAL/INSTALLATION.)
 - (5) Sail inner garnish (See 09-17-53 SAIL INNER GARNISH REMOVAL/INSTALLATION.)
 - (6) Power outer mirror (See 09-12-44 POWER OUTER MIRROR REMOVAL/INSTALLATION.)
 - (7) Front door trim (See 09-17-58 FRONT DOOR TRIM REMOVAL/INSTALLATION.)
 - (8) Inner garnish (See 09-17-34 INNER GARNISH REMOVAL/INSTALLATION.)

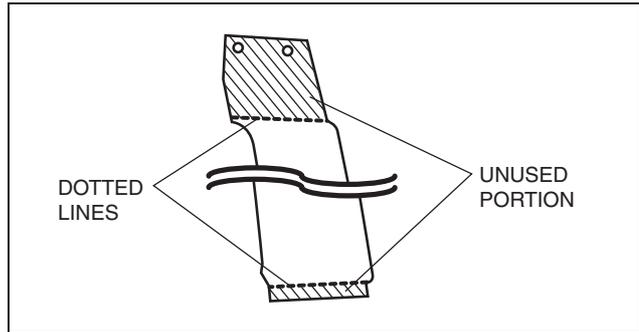
DOOR SASH FILM INSTALLATION [3HB]

id0916004456z3

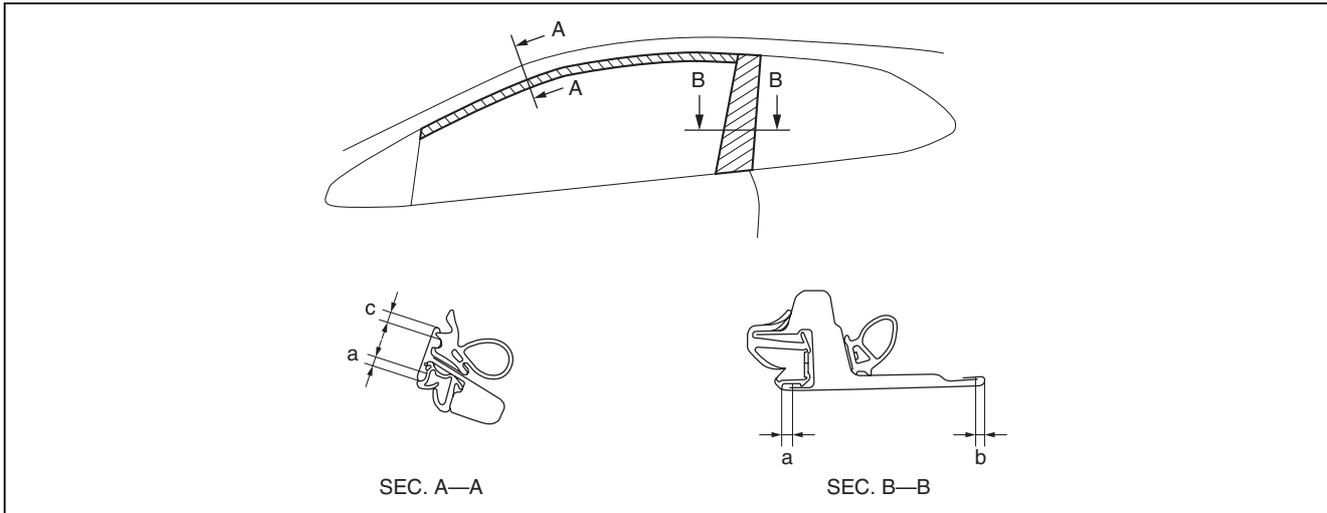
1. Remove any grease or dirt from the affixing surface of the door.

EXTERIOR TRIM

2. Cut away the unused portion along the dotted lines.
3. Peel off the tape backing and attach the door sash film onto the door as shown in the figure.



am2zzw0000192



am2zzw0000339

Standard clearance

a: 4.0 mm {0.16 in}

b: 3.0—5.0 mm {0.12—0.19 in}

c: 3.0 mm {0.12 in} or more

4. Peel off the transparent protective film on the door sash film.
5. Install the following parts:
 - (1) Front beltline molding (See 09-16-10 FRONT BELTLINE MOLDING REMOVAL/INSTALLATION [3HB].)
 - (2) Sail inner garnish (See 09-17-53 SAIL INNER GARNISH REMOVAL/INSTALLATION.)
 - (3) Power outer mirror (See 09-12-44 POWER OUTER MIRROR REMOVAL/INSTALLATION.)
 - (4) Front door trim (See 09-17-59 FRONT DOOR TRIM REMOVAL/INSTALLATION [3HB].)
 - (5) Inner garnish (See 09-17-34 INNER GARNISH REMOVAL/INSTALLATION.)

09-17 INTERIOR TRIM

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LOWER PANEL

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FRONT SCUFF PLATE

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FRONT SCUFF PLATE

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INTERIOR TRIM

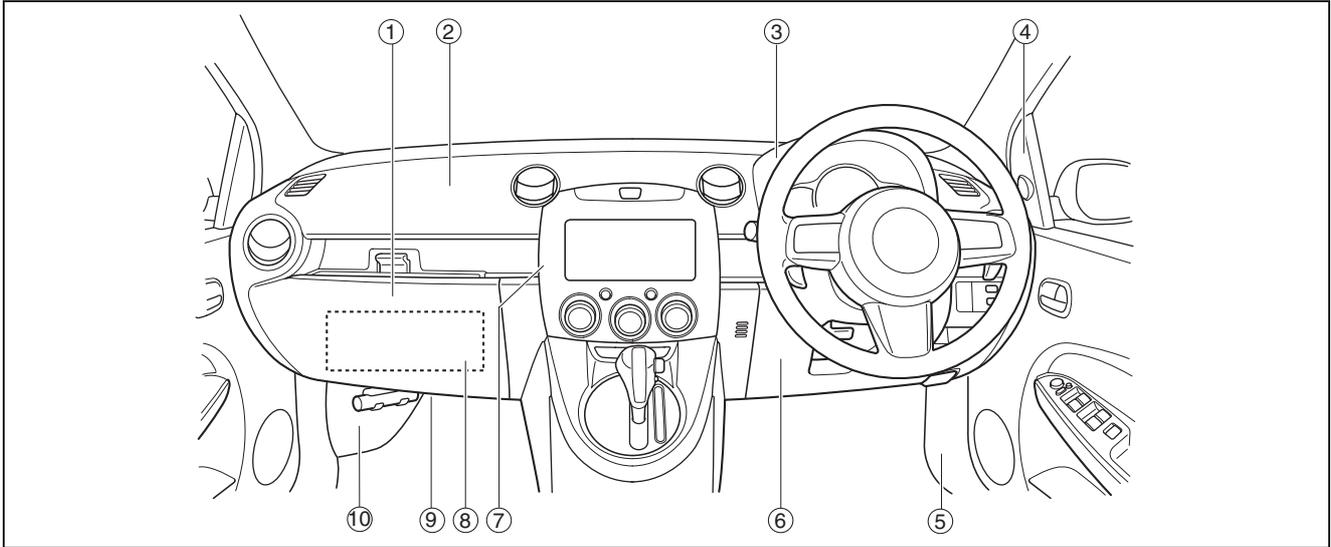
4SD	09-17-75	HEADLINER	
5HB, 3HB	09-17-76	REMOVAL/INSTALLATION	09-17-81
TRUNK LID TRIM		4SD	09-17-81
REMOVAL/INSTALLATION [4SD]	09-17-77	5HB	09-17-84
LIFTGATE UPPER TRIM		HEADLINER	
REMOVAL/INSTALLATION	09-17-78	REMOVAL/INSTALLATION [3HB]	09-17-86
LIFTGATE LOWER TRIM		SHOCK ABSORBING PAD	
REMOVAL/INSTALLATION	09-17-79	REMOVAL/INSTALLATION	09-17-88
LIFTGATE RECESS		4SD	09-17-88
REMOVAL/INSTALLATION	09-17-79	5HB	09-17-89
SUNVISOR		SHOCK ABSORBING PAD	
REMOVAL/INSTALLATION	09-17-80	REMOVAL/INSTALLATION [3HB]	09-17-90
ASSIST HANDLE		FLOOR COVERING	
REMOVAL/INSTALLATION	09-17-80	REMOVAL/INSTALLATION	09-17-91
Removal	09-17-80	FLOOR COVERING	
Installation	09-17-81	REMOVAL/INSTALLATION [3HB]	09-17-93

INTERIOR TRIM

INTERIOR TRIM LOCATION INDEX [4SD, 5HB]

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R.H.D.



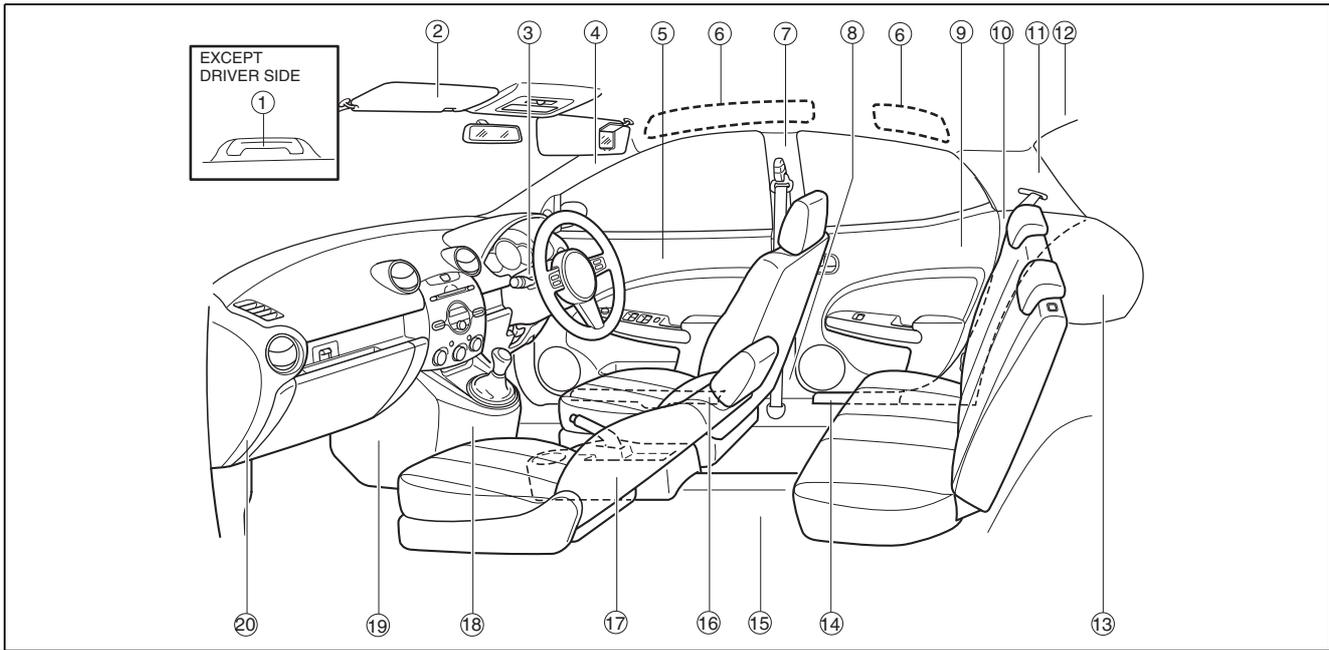
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1	Glove compartment (See 09-17-26 GLOVE COMPARTMENT REMOVAL/INSTALLATION.)
2	Dashboard (See 09-17-18 DASHBOARD REMOVAL/INSTALLATION [Except AutoAlliance (AAT) Thailand manufactured vehicles].) (See 09-17-14 DASHBOARD REMOVAL/INSTALLATION [AutoAlliance (AAT) Thailand manufactured vehicles].) (See 09-17-22 DASHBOARD DISASSEMBLY/ASSEMBLY.)
3	Meter hood (See 09-17-24 METER HOOD REMOVAL/INSTALLATION.)
4	Inner garnish (See 09-17-34 INNER GARNISH REMOVAL/INSTALLATION.)

5	Front side trim (See 09-17-53 FRONT SIDE TRIM REMOVAL/INSTALLATION.)
6	Lower panel (See 09-17-29 LOWER PANEL REMOVAL/INSTALLATION.)
7	Center panel (vehicles without audio unit) (See 09-17-35 CENTER PANEL REMOVAL/INSTALLATION.)
8	Glove compartment cover (See 09-17-28 GLOVE COMPARTMENT COVER REMOVAL/INSTALLATION.)
9	Dashboard under cover (See 09-17-35 DASHBOARD UNDER COVER REMOVAL/INSTALLATION.)
10	Front side garnish (Vehicles with CVT) (See 09-17-55 FRONT SIDE GARNISH REMOVAL/INSTALLATION.)

INTERIOR TRIM

R.H.D.



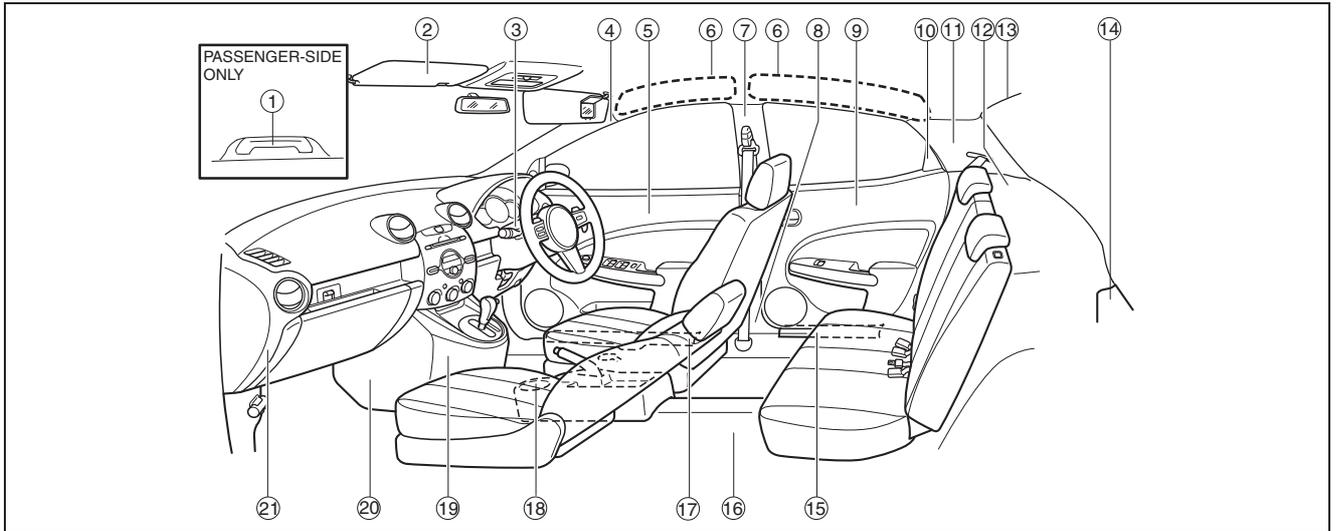
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1	Assist handle (See 09-17-80 ASSIST HANDLE REMOVAL/ INSTALLATION.)
2	Sunvisor (See 09-17-80 SUNVISOR REMOVAL/ INSTALLATION.)
3	Column cover (See 09-17-25 COLUMN COVER REMOVAL/ INSTALLATION.)
4	A-pillar trim (See 09-17-42 A-PILLAR TRIM REMOVAL/ INSTALLATION.)
5	Front door trim (See 09-17-58 FRONT DOOR TRIM REMOVAL/ INSTALLATION.) (See 09-17-60 FRONT DOOR TRIM DISASSEMBLY/ASSEMBLY.)
6	Shock-absorbing pad (See 09-17-88 SHOCK ABSORBING PAD REMOVAL/INSTALLATION.)
7	B-pillar upper trim (See 09-17-44 B-PILLAR UPPER TRIM REMOVAL/ INSTALLATION.)
8	B-pillar lower trim (See 09-17-46 B-PILLAR LOWER TRIM REMOVAL/ INSTALLATION.)
9	Rear door trim (See 09-17-65 REAR DOOR TRIM REMOVAL/ INSTALLATION.) (See 09-17-66 REAR DOOR TRIM DISASSEMBLY/ ASSEMBLY.)
10	Tire house trim (See 09-17-66 TIRE HOUSE TRIM REMOVAL/ INSTALLATION [4SD].)

11	C-pillar trim (See 09-17-46 C-PILLAR TRIM REMOVAL/ INSTALLATION.)
12	Headliner (See 09-17-81 HEADLINER REMOVAL/ INSTALLATION.)
13	Rear package trim (See 09-17-68 REAR PACKAGE TRIM REMOVAL/ INSTALLATION [4SD].)
14	Rear scuff plate (See 09-17-58 REAR SCUFF PLATE REMOVAL/ INSTALLATION.)
15	Floor covering (See 09-17-91 FLOOR COVERING REMOVAL/ INSTALLATION.)
16	Front scuff plate (See 09-17-56 FRONT SCUFF PLATE REMOVAL/ INSTALLATION.)
17	Rear console (See 09-17-41 REAR CONSOLE REMOVAL/ INSTALLATION.)
18	Front console component (See 09-17-36 FRONT CONSOLE COMPONENT REMOVAL/INSTALLATION.) (See 09-17-38 FRONT CONSOLE COMPONENT DISASSEMBLY/ASSEMBLY.)
19	Side wall (See 09-17-33 SIDE WALL REMOVAL/ INSTALLATION.)
20	Side panel (See 09-17-34 SIDE PANEL REMOVAL/ INSTALLATION.)

INTERIOR TRIM

5HB
R.H.D.



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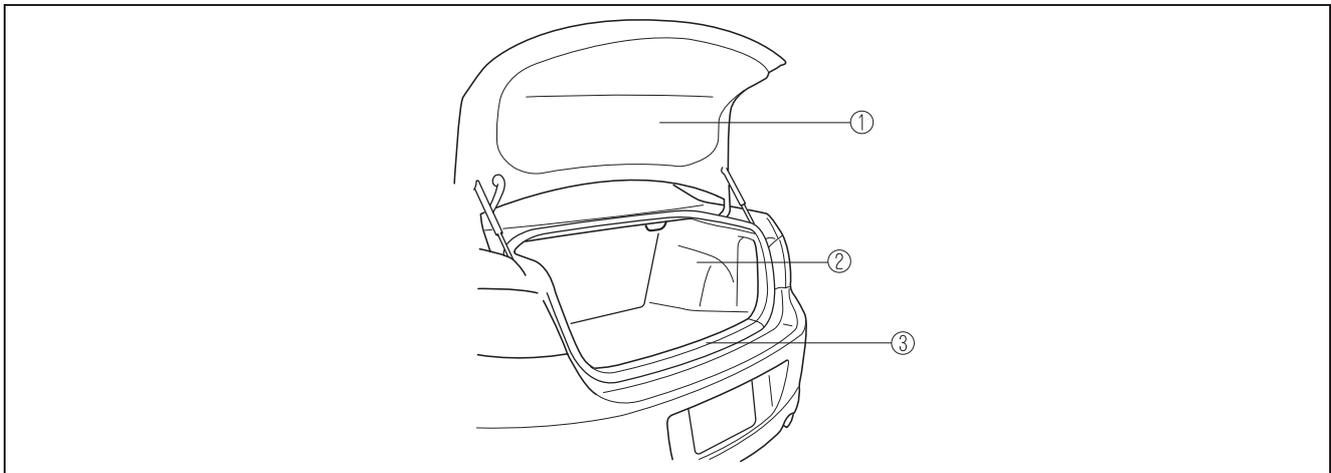
1	Assist handle (See 09-17-80 ASSIST HANDLE REMOVAL/INSTALLATION.)
2	Sunvisor (See 09-17-80 SUNVISOR REMOVAL/INSTALLATION.)
3	Column cover (See 09-17-25 COLUMN COVER REMOVAL/INSTALLATION.)
4	A-pillar trim (See 09-17-42 A-PILLAR TRIM REMOVAL/INSTALLATION.)
5	Front door trim (See 09-17-58 FRONT DOOR TRIM REMOVAL/INSTALLATION.) (See 09-17-60 FRONT DOOR TRIM DISASSEMBLY/ASSEMBLY.)
6	Shock absorbing pad (See 09-17-88 SHOCK ABSORBING PAD REMOVAL/INSTALLATION.)

7	B-pillar upper trim (See 09-17-44 B-PILLAR UPPER TRIM REMOVAL/INSTALLATION.)
8	B-pillar lower trim (See 09-17-46 B-PILLAR LOWER TRIM REMOVAL/INSTALLATION.)
9	Rear door trim (See 09-17-65 REAR DOOR TRIM REMOVAL/INSTALLATION.) (See 09-17-66 REAR DOOR TRIM DISASSEMBLY/ASSEMBLY.)
10	Sail inner garnish (See 09-17-53 SAIL INNER GARNISH REMOVAL/INSTALLATION.)
11	C-pillar trim (See 09-17-46 C-PILLAR TRIM REMOVAL/INSTALLATION.)
12	Trunk side trim (See 09-17-70 TRUNK SIDE TRIM REMOVAL/INSTALLATION.)

INTERIOR TRIM

13	Headliner (See 09-17-81 HEADLINER REMOVAL/ INSTALLATION.)
14	Trunk end trim (See 09-17-75 TRUNK END TRIM REMOVAL/ INSTALLATION.)
15	Rear scuff plate (See 09-17-58 REAR SCUFF PLATE REMOVAL/ INSTALLATION.)
16	Floor covering (See 09-17-91 FLOOR COVERING REMOVAL/ INSTALLATION.)
17	Front scuff plate (See 09-17-56 FRONT SCUFF PLATE REMOVAL/ INSTALLATION.)
18	Rear console (See 09-17-41 REAR CONSOLE REMOVAL/ INSTALLATION.)
19	Front console component (See 09-17-36 FRONT CONSOLE COMPONENT REMOVAL/INSTALLATION.) (See 09-17-38 FRONT CONSOLE COMPONENT DISASSEMBLY/ASSEMBLY.)
20	Side wall (See 09-17-33 SIDE WALL REMOVAL/ INSTALLATION.)
21	Side panel (See 09-17-34 SIDE PANEL REMOVAL/ INSTALLATION.)

4SD



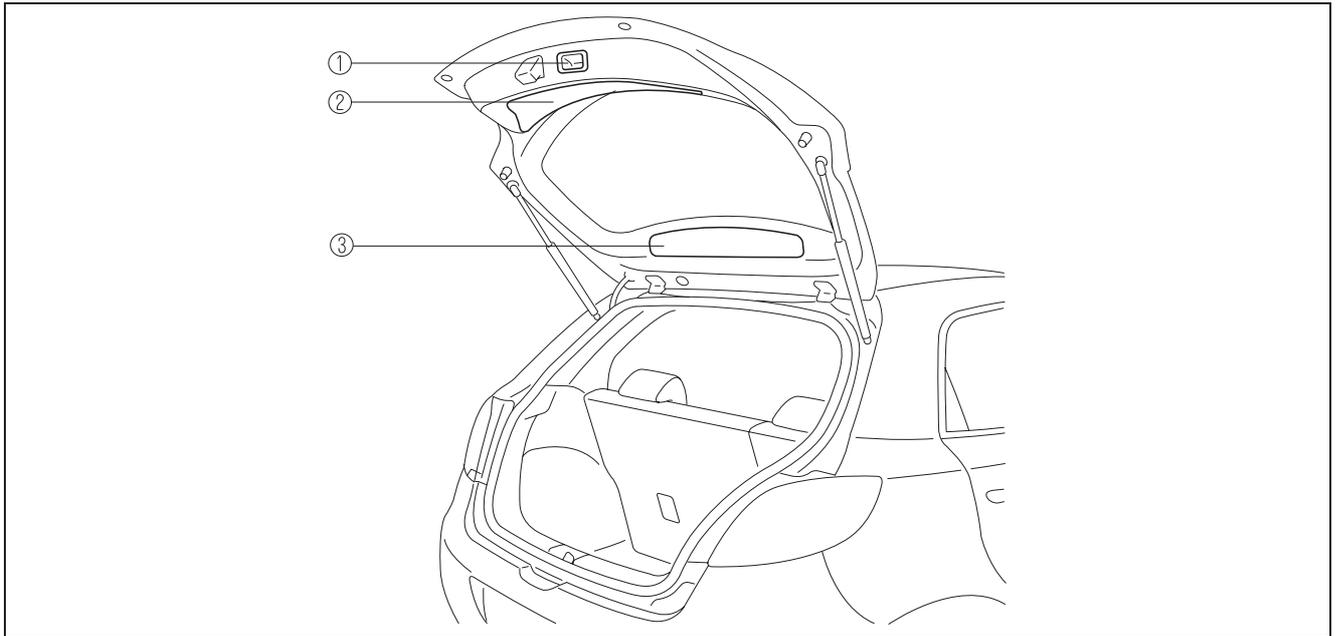
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1	Trunk lid trim (See 09-17-77 TRUNK LID TRIM REMOVAL/ INSTALLATION [4SD].)
2	Trunk end trim (See 09-17-75 TRUNK END TRIM REMOVAL/ INSTALLATION.)

3	Trunk side trim (See 09-17-70 TRUNK SIDE TRIM REMOVAL/ INSTALLATION.)
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INTERIOR TRIM

5HB



adejjw00003361

1	Liftgate recess (See 09-17-79 LIFTGATE RECESS REMOVAL/ INSTALLATION.)
2	Liftgate lower trim (See 09-17-79 LIFTGATE LOWER TRIM REMOVAL/INSTALLATION.)

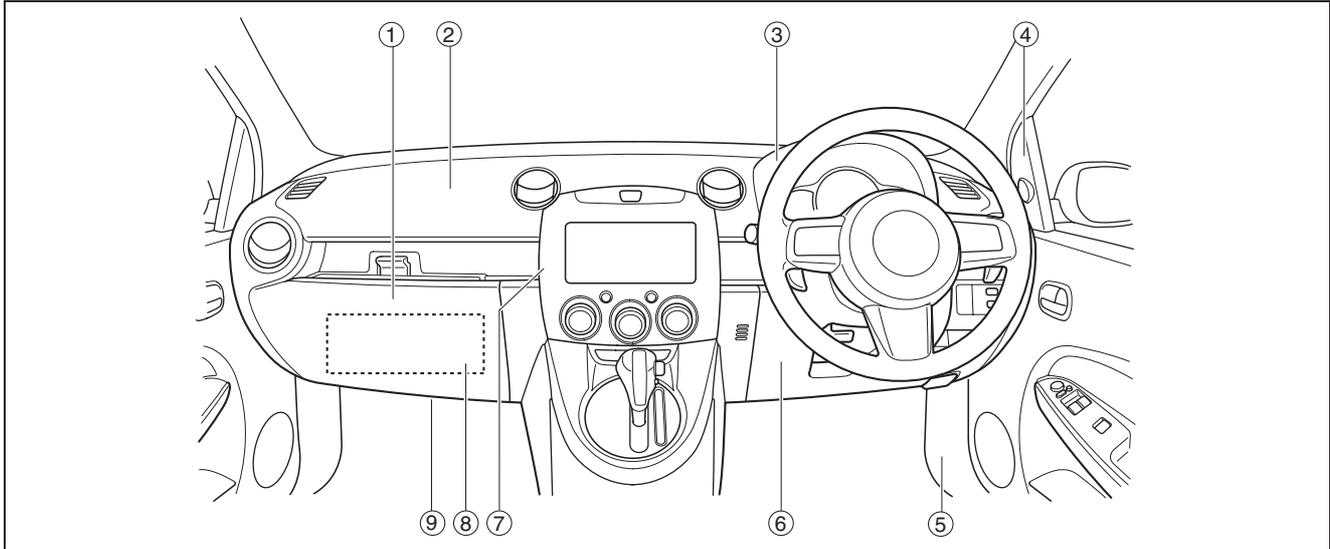
3	Liftgate upper trim (See 09-17-78 LIFTGATE UPPER TRIM REMOVAL/ INSTALLATION.)
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INTERIOR TRIM

INTERIOR TRIM LOCATION INDEX [3HB]

R.H.D.



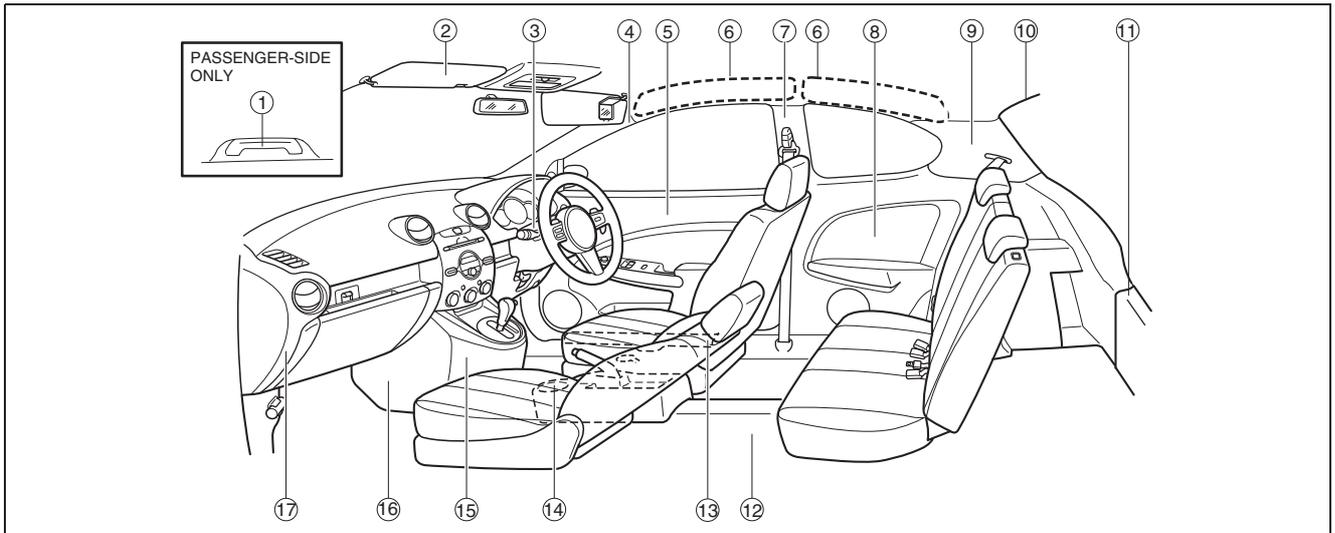
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1	Glove compartment (See 09-17-26 GLOVE COMPARTMENT REMOVAL/INSTALLATION.)
2	Dashboard (See 09-17-10 DASHBOARD REMOVAL/INSTALLATION [3HB].) (See 09-17-22 DASHBOARD DISASSEMBLY/ASSEMBLY.)
3	Meter hood (See 09-17-24 METER HOOD REMOVAL/INSTALLATION.)
4	Inner garnish (See 09-17-34 INNER GARNISH REMOVAL/INSTALLATION.)

5	Front side trim (See 09-17-53 FRONT SIDE TRIM REMOVAL/INSTALLATION.)
6	Lower panel (See 09-17-55 FRONT SIDE TRIM REMOVAL/INSTALLATION [3HB].)
7	Center panel (vehicles without audio unit) (See 09-17-35 CENTER PANEL REMOVAL/INSTALLATION.)
8	Glove compartment cover (See 09-17-28 GLOVE COMPARTMENT COVER REMOVAL/INSTALLATION.)
9	Dashboard under cover (See 09-17-35 DASHBOARD UNDER COVER REMOVAL/INSTALLATION.)

INTERIOR TRIM

R.H.D.

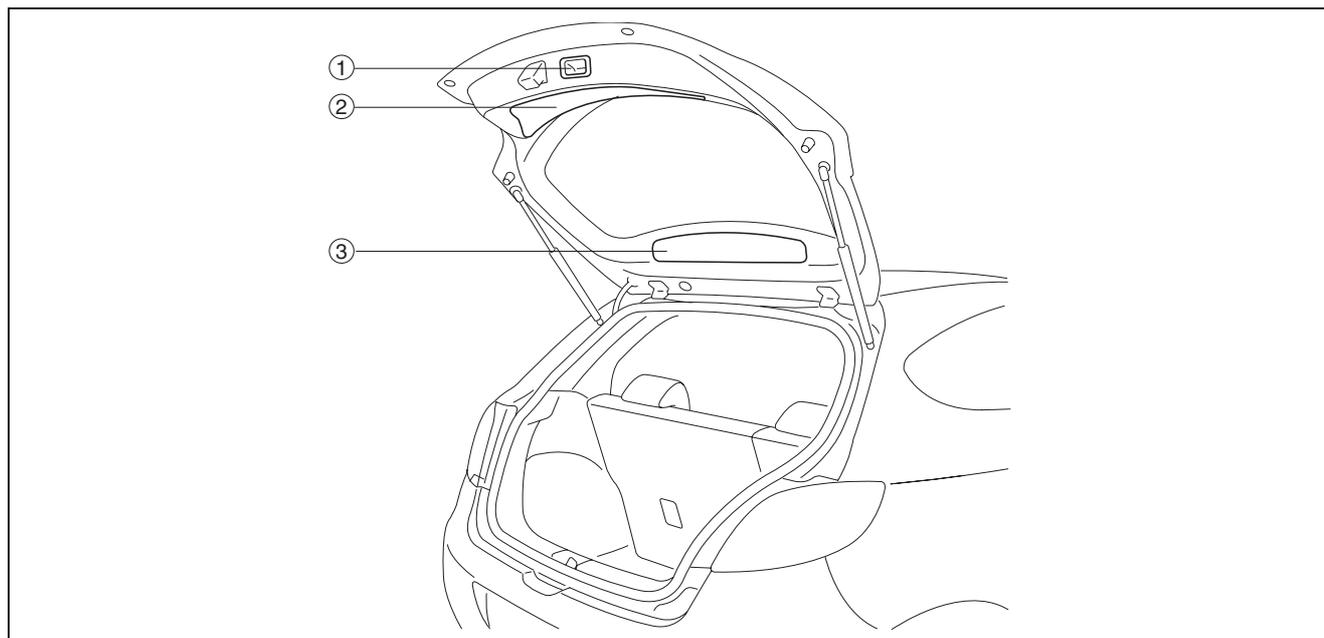


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1	Assist handle (See 09-17-80 ASSIST HANDLE REMOVAL/ INSTALLATION.)
2	Sunvisor (See 09-17-80 SUNVISOR REMOVAL/ INSTALLATION.)
3	Column cover (See 09-17-25 COLUMN COVER REMOVAL/ INSTALLATION.)
4	A-pillar trim (See 09-17-42 A-PILLAR TRIM REMOVAL/ INSTALLATION.)
5	Front door trim (See 09-17-59 FRONT DOOR TRIM REMOVAL/ INSTALLATION [3HB].) (See 09-17-63 FRONT DOOR TRIM DISASSEMBLY/ASSEMBLY [3HB].)
6	Shock absorbing pad (See 09-17-90 SHOCK ABSORBING PAD REMOVAL/INSTALLATION [3HB].)
7	B-pillar upper trim (See 09-17-45 B-PILLAR UPPER TRIM REMOVAL/ INSTALLATION [3HB].)
8	Trunk side trim (See 09-17-70 TRUNK SIDE TRIM REMOVAL/ INSTALLATION.)
9	C-pillar trim (See 09-17-52 C-PILLAR TRIM REMOVAL/ INSTALLATION [3HB].)

10	Headliner (See 09-17-81 HEADLINER REMOVAL/ INSTALLATION.)
11	Trunk end trim (See 09-17-75 TRUNK END TRIM REMOVAL/ INSTALLATION.)
12	Floor covering (See 09-17-93 FLOOR COVERING REMOVAL/ INSTALLATION [3HB].)
13	Front scuff plate (See 09-17-57 FRONT SCUFF PLATE REMOVAL/ INSTALLATION [3HB].)
14	Rear console (See 09-17-41 REAR CONSOLE REMOVAL/ INSTALLATION.)
15	Front console component (See 09-17-36 FRONT CONSOLE COMPONENT REMOVAL/INSTALLATION.) (See 09-17-38 FRONT CONSOLE COMPONENT DISASSEMBLY/ASSEMBLY.)
16	Side wall (See 09-17-33 SIDE WALL REMOVAL/ INSTALLATION.)
17	Side panel (See 09-17-34 SIDE PANEL REMOVAL/ INSTALLATION.)

INTERIOR TRIM



adejjw00003362

1	Liftgate recess (See 09-17-79 LIFTGATE RECESS REMOVAL/INSTALLATION.)
2	Liftgate lower trim (See 09-17-79 LIFTGATE LOWER TRIM REMOVAL/INSTALLATION.)

3	Liftgate upper trim (See 09-17-78 LIFTGATE UPPER TRIM REMOVAL/INSTALLATION.)
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DASHBOARD REMOVAL/INSTALLATION [3HB]

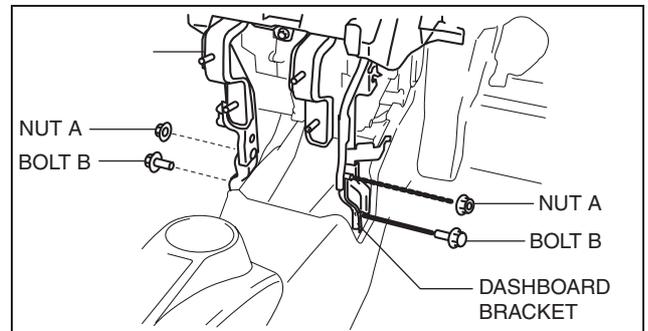
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1. Disconnect the negative battery cable.
2. Remove the following parts:
 - (1) Glove compartment (See 09-17-26 GLOVE COMPARTMENT REMOVAL/INSTALLATION.)
 - (2) Glove compartment cover (See 09-17-28 GLOVE COMPARTMENT COVER REMOVAL/INSTALLATION.)
 - (3) Dashboard under cover (See 09-17-35 DASHBOARD UNDER COVER REMOVAL/INSTALLATION.)
 - (4) Heat duct (passenger side).
 - (5) Shift lever knob (MTX) (See 05-16A-1 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [F35M-R].) (See 05-16B-2 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [B65M-R].)
 - (6) Side wall (See 09-17-33 SIDE WALL REMOVAL/INSTALLATION.)
 - (7) Front console component (See 09-17-36 FRONT CONSOLE COMPONENT REMOVAL/INSTALLATION.)
 - (8) Front scuff plate (See 09-17-57 FRONT SCUFF PLATE REMOVAL/INSTALLATION [3HB].)
 - (9) Front side trim (See 09-17-55 FRONT SIDE TRIM REMOVAL/INSTALLATION [3HB].)
 - (10) Bonnet release lever (See 09-14-28 BONNET LATCH AND RELEASE LEVER REMOVAL/INSTALLATION.)
 - (11) Driver-side lower panel (See 09-17-29 LOWER PANEL REMOVAL/INSTALLATION.)
 - (12) Driver-side air bag module.
 - (13) Steering wheel (See 06-13-10 STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION [R.H.D.].)
 - (14) Column cover (See 09-17-25 COLUMN COVER REMOVAL/INSTALLATION.)
 - (15) Meter hood (See 09-17-24 METER HOOD REMOVAL/INSTALLATION.)
 - (16) Instrument cluster (See 09-22-5 INSTRUMENT CLUSTER REMOVAL/INSTALLATION.)
 - (17) Combination switch (See 09-18-32 COMBINATION SWITCH REMOVAL/INSTALLATION.)
 - (18) Center panel unit (vehicles with audio unit) (See 09-20-3 CENTER PANEL UNIT REMOVAL/INSTALLATION.)
 - (19) Center panel (vehicles without audio unit) (See 09-17-35 CENTER PANEL REMOVAL/INSTALLATION.)
 - (20) Climate control unit

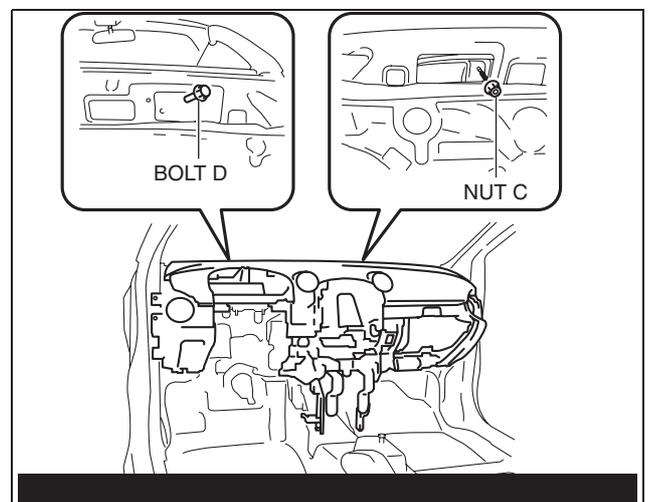
INTERIOR TRIM

- (21) Shift lever (MTX) (See 05-16A-1 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [F35M-R].) (See 05-16B-2 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [B65M-R].)
 - (22) Selector lever (ATX)
 - (23) Interlock cable (ATX)
 - (24) Passenger-side lower panel (See 09-17-29 LOWER PANEL REMOVAL/INSTALLATION.)
 - (25) Side panel (See 09-17-34 SIDE PANEL REMOVAL/INSTALLATION.)
 - (26) A-pillar trim (See 09-17-42 A-PILLAR TRIM REMOVAL/INSTALLATION.)
 - (27) Windshield wiper arm and blade (See 09-19-7 WINDSHIELD WIPER ARM AND BLADE REMOVAL/INSTALLATION.)
 - (28) Cowl grille (See 09-16-5 COWL GRILLE REMOVAL/INSTALLATION.)
 - (29) Windshield wiper motor (L.H.D.)
 - (30) Sail garnish (See 09-16-7 SAIL GARNISH REMOVAL/INSTALLATION.)
 - (31) Steering shaft cover (See 06-13-10 STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION [R.H.D.].)
 - (32) Steering shaft (See 06-13-10 STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION [R.H.D.].)
3. Disconnect antenna feeder No.2 from the antenna feeder No.1. (See 09-20-20 ANTENNA FEEDER NO.2 REMOVAL/INSTALLATION)
 4. Disconnect antenna feeder No.1 clip from the A-pillar inner panel.
 5. Disconnect the dashboard wiring harness connectors.
 6. Remove nuts A and bolts B then remove the dashboard bracket.
 7. Remove nut C and bolt D from the outside of the vehicle (upper dashboard area).

L.H.D.



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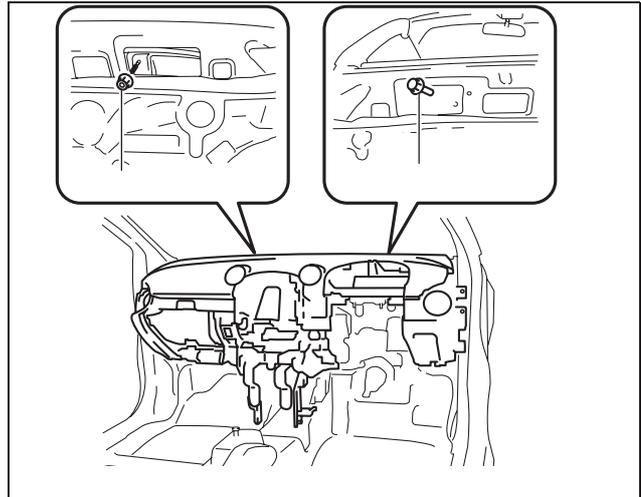


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INTERIOR TRIM

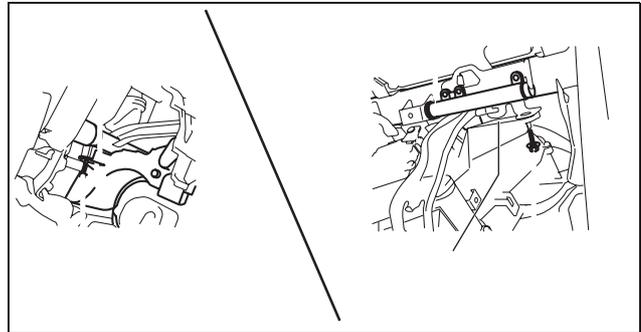
R.H.D.

8. Remove nuts E and F shown in the figure.



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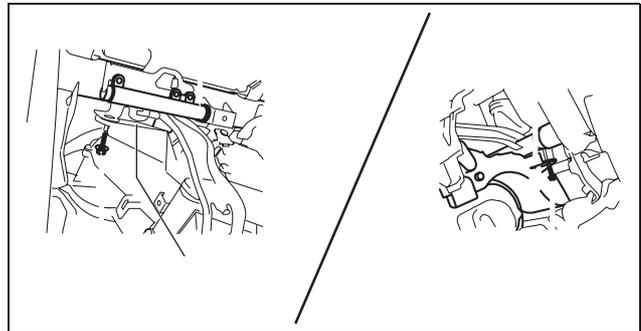
L.H.D.



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R.H.D.

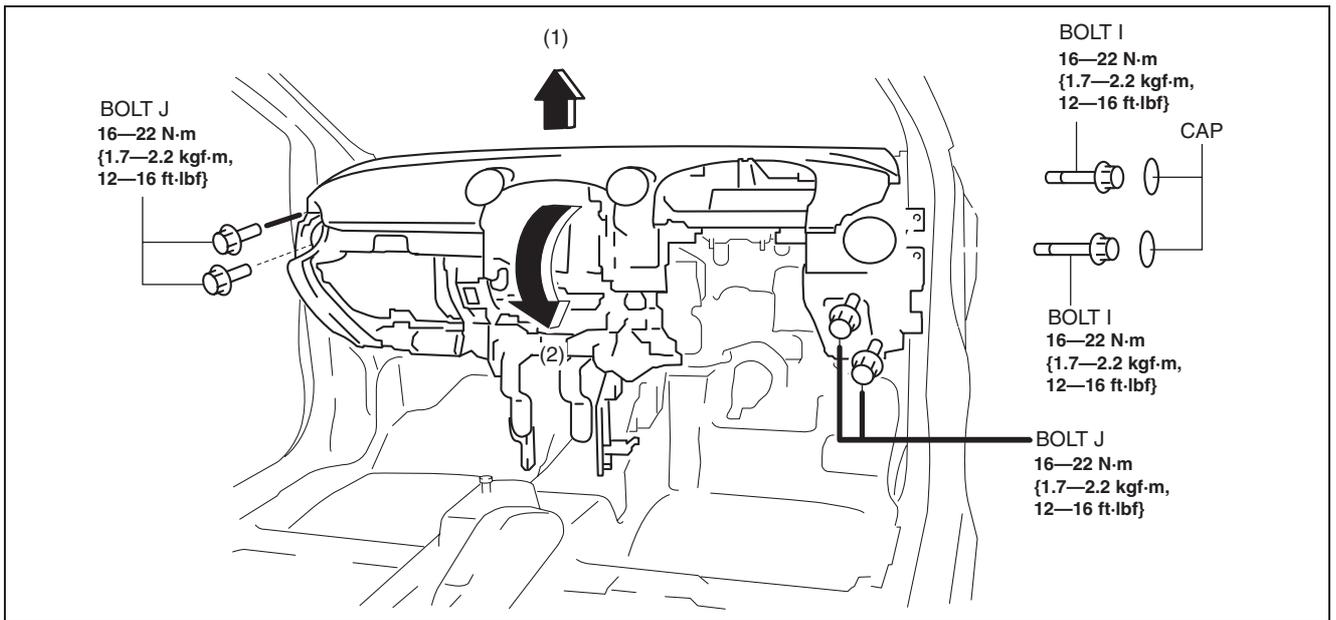
9. Disconnect the A/C unit related connector.
10. Remove the caps, remove bolts I and J. (See 09-17-14 Bolt I Removal/Installation Note)



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INTERIOR TRIM

R.H.D.



am2zzw0000180

11. Lift the dashboard in the direction of the arrow (1) shown in the figure, disconnect the A/C unit, and then rotate the dashboard in the direction of the arrow (2) and remove it from the vehicle. (See 09-17-13 Dashboard Removal Note)
12. Install in the reverse order of removal.

Dashboard Removal Note

Warning

- When the dashboard is removed from the vehicle, it could fall and cause injury. Always perform the procedure with at least another person to prevent the dashboard from falling.

Caution

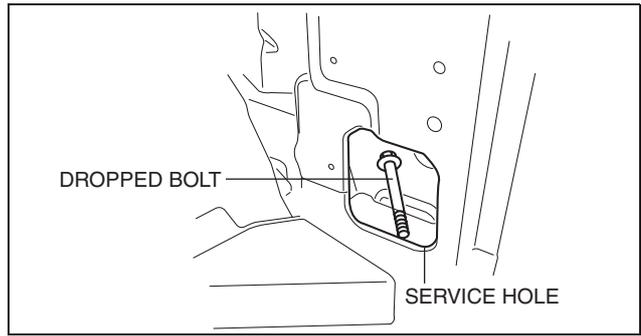
- When the dashboard is removed from the vehicle, be careful not to damage the door and surrounding area.

1. Take the dashboard out through the opened front door.

INTERIOR TRIM

Bolt I Removal/Installation Note

1. If the bolt falls off during the removal and installation procedure, remove it from the service hole shown in the figure.

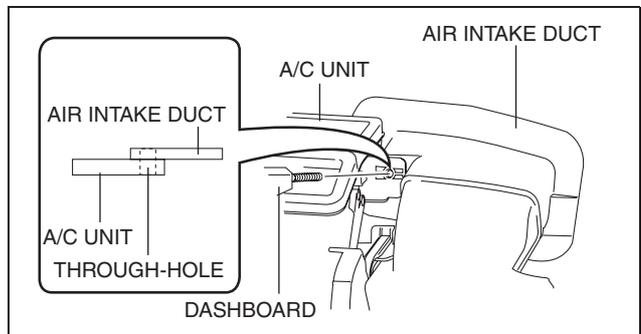


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Dashboard Installation Note

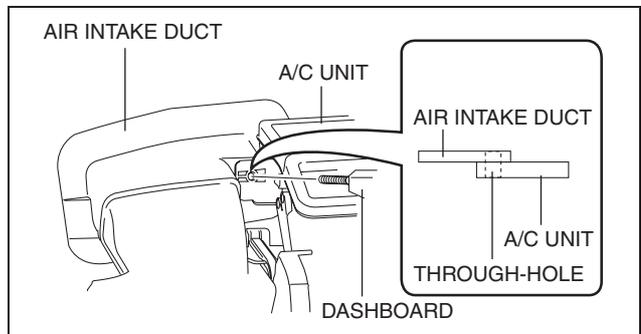
1. When inserting the bolt on the dashboard side, verify that the through-hole positions of the air intake duct and A/C unit are aligned.

L.H.D.



am2zzw0000150

R.H.D.



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DASHBOARD REMOVAL/INSTALLATION [AutoAlliance (AAT) Thailand manufactured vehicles]

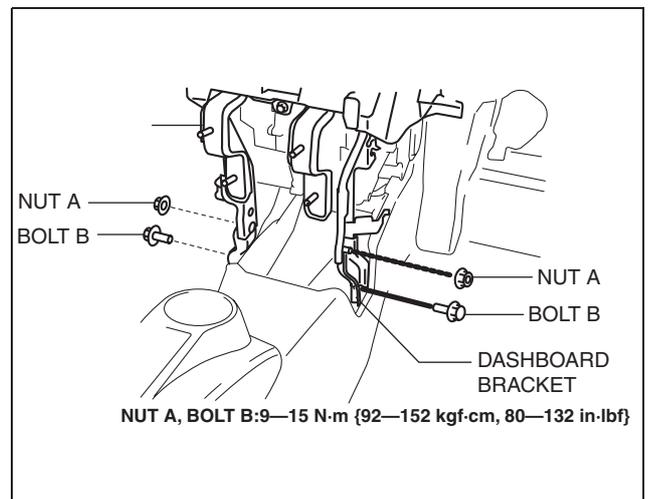
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1. Disconnect the negative battery cable.
2. Remove the following parts:
 - (1) Glove compartment (See 09-17-26 GLOVE COMPARTMENT REMOVAL/INSTALLATION.)
 - (2) Glove compartment cover (See 09-17-28 GLOVE COMPARTMENT COVER REMOVAL/INSTALLATION.)
 - (3) Dashboard under cover (See 09-17-35 DASHBOARD UNDER COVER REMOVAL/INSTALLATION.)
 - (4) Heat duct (passenger side)
 - (5) Shift lever knob (MTX) (See 05-16A-1 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [F35M-R].) (See 05-16B-2 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [B65M-R].)
 - (6) Side wall (See 09-17-33 SIDE WALL REMOVAL/INSTALLATION.)
 - (7) Front console component (See 09-17-36 FRONT CONSOLE COMPONENT REMOVAL/INSTALLATION.)
 - (8) Front scuff plate (See 09-17-56 FRONT SCUFF PLATE REMOVAL/INSTALLATION.)
 - (9) Front side trim (See 09-17-53 FRONT SIDE TRIM REMOVAL/INSTALLATION.)
 - (10) Bonnet release lever (See 09-14-28 BONNET LATCH AND RELEASE LEVER REMOVAL/INSTALLATION.)
 - (11) Driver-side lower panel (See 09-17-29 LOWER PANEL REMOVAL/INSTALLATION.)
 - (12) Driver-side air bag module
 - (13) Steering wheel (See 06-13-10 STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION [R.H.D.].)

09-17-14

INTERIOR TRIM

- (14) Column cover (See 09-17-25 COLUMN COVER REMOVAL/INSTALLATION.)
 - (15) Meter hood (See 09-17-24 METER HOOD REMOVAL/INSTALLATION.)
 - (16) Instrument cluster (See 09-22-5 INSTRUMENT CLUSTER REMOVAL/INSTALLATION.)
 - (17) Combination switch (See 09-18-32 COMBINATION SWITCH REMOVAL/INSTALLATION.)
 - (18) Center panel unit (vehicles with audio unit) (See 09-20-3 CENTER PANEL UNIT REMOVAL/INSTALLATION.)
 - (19) Center panel (vehicles without audio unit) (See 09-17-35 CENTER PANEL REMOVAL/INSTALLATION.)
 - (20) Climate control unit (See 07-40A-32 CLIMATE CONTROL UNIT REMOVAL/INSTALLATION [FULL-AUTO AIR CONDITIONER].) (See 07-40B-24 CLIMATE CONTROL UNIT REMOVAL/INSTALLATION [MANUAL AIR CONDITIONER].)
 - (21) Shift lever (MTX) (See 05-16A-1 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [F35M-R].) (See 05-16B-2 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [B65M-R].)
 - (22) Selector lever (ATX/CVT)
 - (23) Interlock cable (ATX/CVT)
 - (24) Passenger-side lower panel (See 09-17-29 LOWER PANEL REMOVAL/INSTALLATION.)
 - (25) Side panel (See 09-17-34 SIDE PANEL REMOVAL/INSTALLATION.)
 - (26) A-pillar trim (See 09-17-42 A-PILLAR TRIM REMOVAL/INSTALLATION.)
 - (27) Windshield wiper arm and blade (See 09-19-7 WINDSHIELD WIPER ARM AND BLADE REMOVAL/INSTALLATION.)
 - (28) Cowl grille (See 09-16-5 COWL GRILLE REMOVAL/INSTALLATION.)
 - (29) Sail garnish (See 09-16-7 SAIL GARNISH REMOVAL/INSTALLATION.)
 - (30) Windshield wiper motor (L.H.D.) (See 09-19-9 WINDSHIELD WIPER MOTOR REMOVAL/INSTALLATION.)
 - (31) Steering shaft cover (See 06-13-10 STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION [R.H.D.].)
 - (32) Steering shaft (See 06-13-10 STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION [R.H.D.].)
3. Disconnect antenna feeder No.2 from the antenna feeder No.1. (See 09-20-20 ANTENNA FEEDER NO.2 REMOVAL/INSTALLATION)
 4. Disconnect antenna feeder No.1 clip from the A-pillar inner panel.
 5. Disconnect the dashboard wiring harness connectors.
 6. Remove nuts A and bolts B then remove the dashboard bracket.
 7. Remove nut C and bolt D from the outside of the vehicle (upper dashboard area).

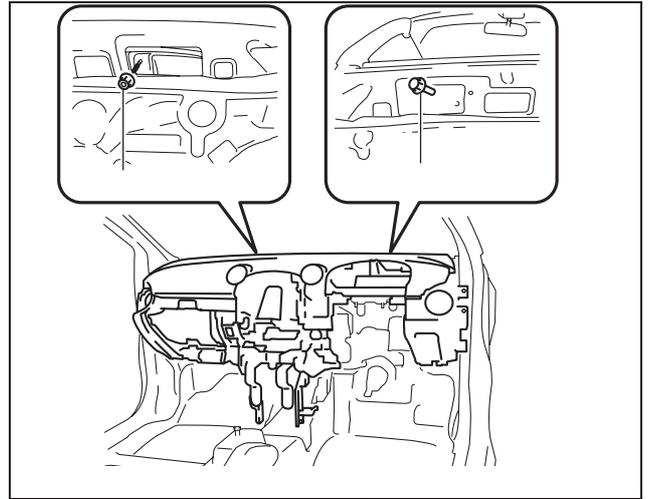


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INTERIOR TRIM

R.H.D.

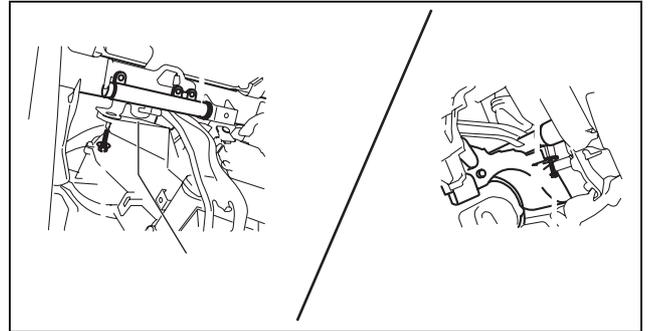
8. Remove nuts E and F shown in the figure.



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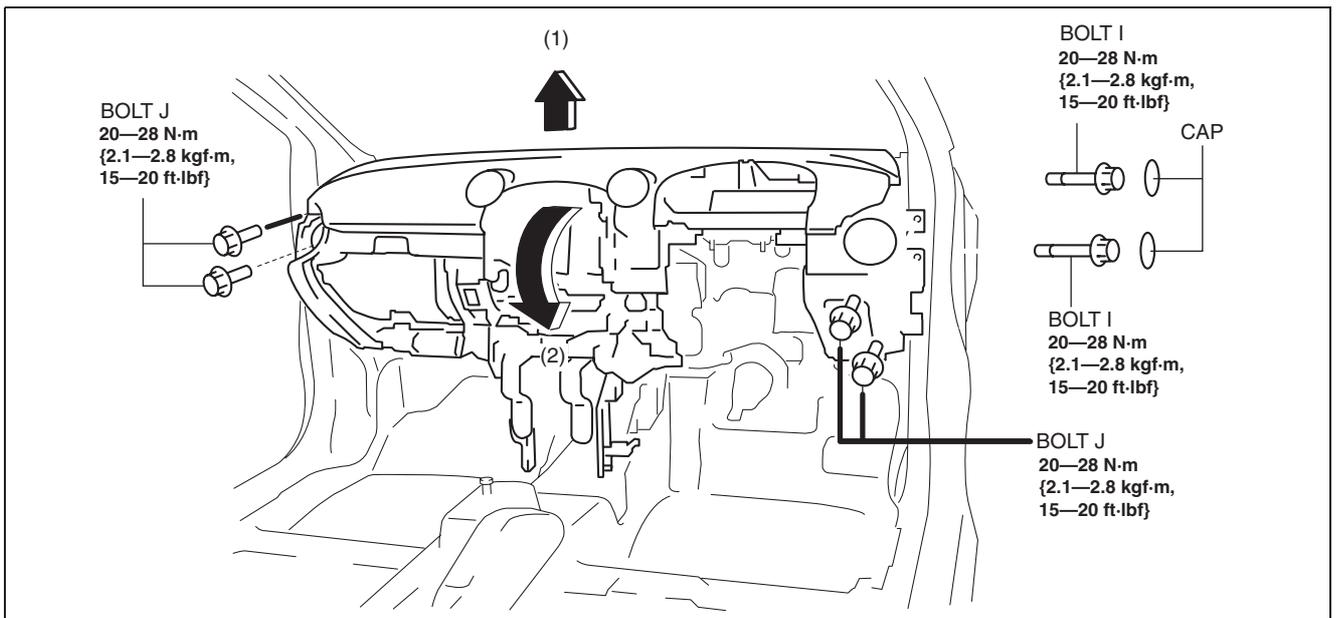
R.H.D.

9. Disconnect the A/C unit related connector.
10. Remove the caps, remove bolts I and J. (See 09-17-18 Bolt I Removal/Installation Note)



am2zzw0000149

R.H.D.



am2zzw0000500

11. Lift the dashboard in the direction of the arrow (1) shown in the figure, disconnect the A/C unit, and then rotate the dashboard in the direction of the arrow (2) and remove it from the vehicle. (See 09-17-18 Dashboard Removal Note)

INTERIOR TRIM

12. Install in the reverse order of removal.

Dashboard Removal Note

Warning

- When the dashboard is removed from the vehicle, it could fall and cause injury. Always perform the procedure with at least another person to prevent the dashboard from falling.

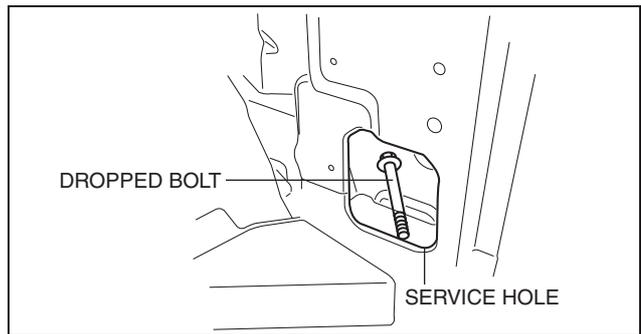
Caution

- When the dashboard is removed from the vehicle, be careful not to damage the door and surrounding area.

1. Take the dashboard out through the opened front door.

Bolt I Removal/Installation Note

1. If the bolt falls off during the removal and installation procedure, remove it from the service hole shown in the figure.

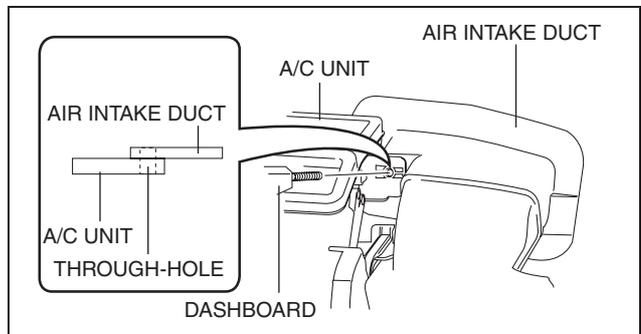


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Dashboard Installation Note

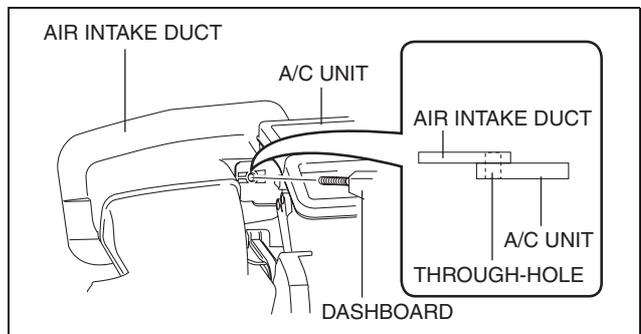
1. When inserting the bolt on the dashboard side, verify that the through-hole positions of the air intake duct and A/C unit are aligned.

L.H.D.



am2zzw0000150

R.H.D.



am2zzw0000150

DASHBOARD REMOVAL/INSTALLATION [Except AutoAlliance (AAT) Thailand manufactured vehicles]

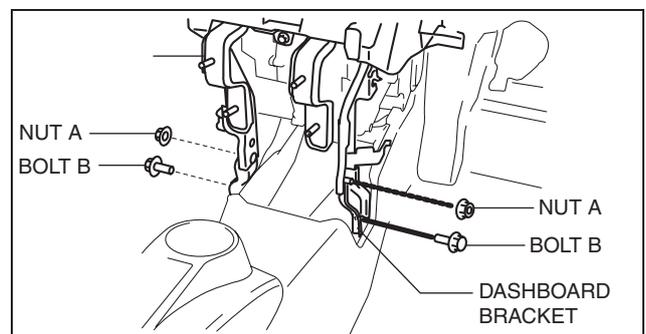
id0917004535z6

1. Disconnect the negative battery cable.
2. Remove the following parts:
 - (1) Glove compartment (See 09-17-26 GLOVE COMPARTMENT REMOVAL/INSTALLATION.)
 - (2) Glove compartment cover (See 09-17-28 GLOVE COMPARTMENT COVER REMOVAL/INSTALLATION.)

09-17-18

INTERIOR TRIM

- (3) Dashboard under cover (See 09-17-35 DASHBOARD UNDER COVER REMOVAL/INSTALLATION.)
 - (4) Heat duct (passenger side)
 - (5) Shift lever knob (MTX) (See 05-16A-1 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [F35M-R].) (See 05-16B-2 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [B65M-R].)
 - (6) Side wall (See 09-17-33 SIDE WALL REMOVAL/INSTALLATION.)
 - (7) Front console component (See 09-17-36 FRONT CONSOLE COMPONENT REMOVAL/INSTALLATION.)
 - (8) Front scuff plate (See 09-17-56 FRONT SCUFF PLATE REMOVAL/INSTALLATION.)
 - (9) Front side trim (See 09-17-53 FRONT SIDE TRIM REMOVAL/INSTALLATION.)
 - (10) Bonnet release lever (See 09-14-28 BONNET LATCH AND RELEASE LEVER REMOVAL/INSTALLATION.)
 - (11) Driver-side lower panel (See 09-17-29 LOWER PANEL REMOVAL/INSTALLATION.)
 - (12) Driver-side air bag module
 - (13) Steering wheel (See 06-13-10 STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION [R.H.D.].)
 - (14) Column cover (See 09-17-25 COLUMN COVER REMOVAL/INSTALLATION.)
 - (15) Meter hood (See 09-17-24 METER HOOD REMOVAL/INSTALLATION.)
 - (16) Instrument cluster (See 09-22-5 INSTRUMENT CLUSTER REMOVAL/INSTALLATION.)
 - (17) Combination switch (See 09-18-32 COMBINATION SWITCH REMOVAL/INSTALLATION.)
 - (18) Center panel unit (vehicles with audio unit) (See 09-20-3 CENTER PANEL UNIT REMOVAL/INSTALLATION.)
 - (19) Center panel (vehicles without audio unit) (See 09-17-35 CENTER PANEL REMOVAL/INSTALLATION.)
 - (20) Climate control unit (See 07-40A-32 CLIMATE CONTROL UNIT REMOVAL/INSTALLATION [FULL-AUTO AIR CONDITIONER].) (See 07-40B-24 CLIMATE CONTROL UNIT REMOVAL/INSTALLATION [MANUAL AIR CONDITIONER].)
 - (21) Shift lever (MTX) (See 05-16A-1 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [F35M-R].) (See 05-16B-2 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [B65M-R].)
 - (22) Selector lever (ATX)
 - (23) Interlock cable (ATX)
 - (24) Passenger-side lower panel (See 09-17-29 LOWER PANEL REMOVAL/INSTALLATION.)
 - (25) Side panel (See 09-17-34 SIDE PANEL REMOVAL/INSTALLATION.)
 - (26) A-pillar trim (See 09-17-42 A-PILLAR TRIM REMOVAL/INSTALLATION.)
 - (27) Windshield wiper arm and blade (See 09-19-7 WINDSHIELD WIPER ARM AND BLADE REMOVAL/INSTALLATION.)
 - (28) Cowl grille (See 09-16-5 COWL GRILLE REMOVAL/INSTALLATION.)
 - (29) Sail garnish (See 09-16-7 SAIL GARNISH REMOVAL/INSTALLATION.)
 - (30) Windshield wiper motor (L.H.D.)
 - (31) Steering shaft cover (See 06-13-10 STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION [R.H.D.].)
 - (32) Steering shaft (See 06-13-10 STEERING WHEEL AND COLUMN REMOVAL/INSTALLATION [R.H.D.].)
3. Disconnect antenna feeder No.2 from the antenna feeder No.1. (See 09-20-20 ANTENNA FEEDER NO.2 REMOVAL/INSTALLATION)
 4. Disconnect antenna feeder No.1 clip from the A-pillar inner panel.
 5. Disconnect the dashboard wiring harness connectors.
 6. Remove nuts A and bolts B then remove the dashboard bracket.
 7. Remove nut C and bolt D from the outside of the vehicle (upper dashboard area).

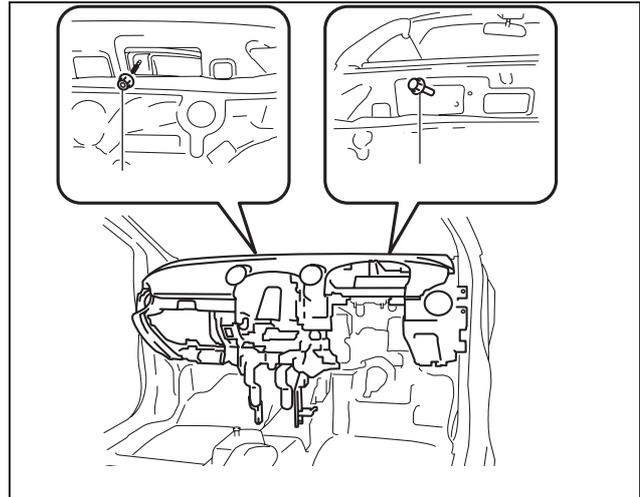


adejiw00003087

INTERIOR TRIM

R.H.D.

8. Remove nuts E and F shown in the figure.

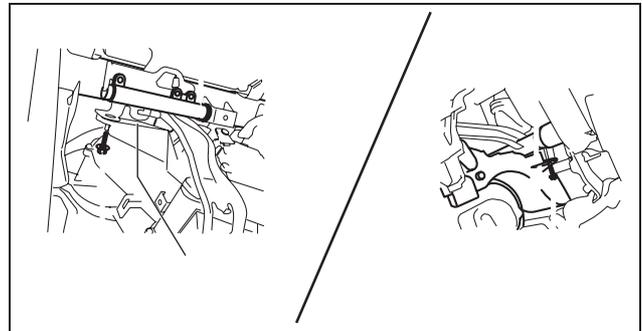


am2zzw0000149

R.H.D.

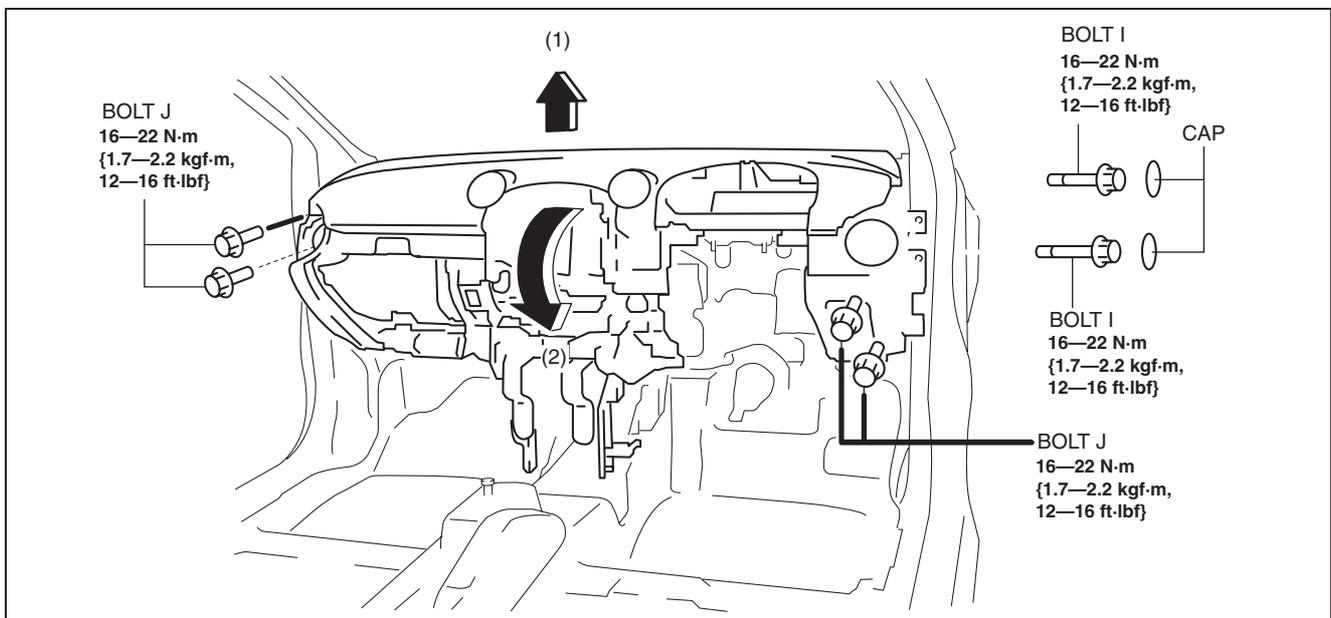
9. Disconnect the A/C unit related connector.

10. Remove the caps, remove bolts I and J. (See 09-17-22 Bolt I Removal/Installation Note)



am2zzw0000149

R.H.D.



am2zzw0000180

11. Lift the dashboard in the direction of the arrow (1) shown in the figure, disconnect the A/C unit, and then rotate the dashboard in the direction of the arrow (2) and remove it from the vehicle. (See 09-17-22 Dashboard Removal Note)

INTERIOR TRIM

12. Install in the reverse order of removal.

Dashboard Removal Note

Warning

- When the dashboard is removed from the vehicle, it could fall and cause injury. Always perform the procedure with at least another person to prevent the dashboard from falling.

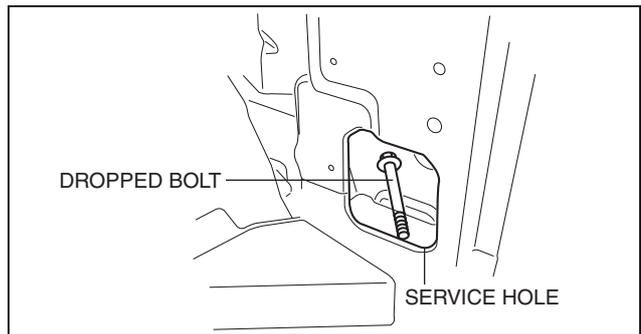
Caution

- When the dashboard is removed from the vehicle, be careful not to damage the door and surrounding area.

1. Take the dashboard out through the opened front door.

Bolt I Removal/Installation Note

1. If the bolt falls off during the removal and installation procedure, remove it from the service hole shown in the figure.

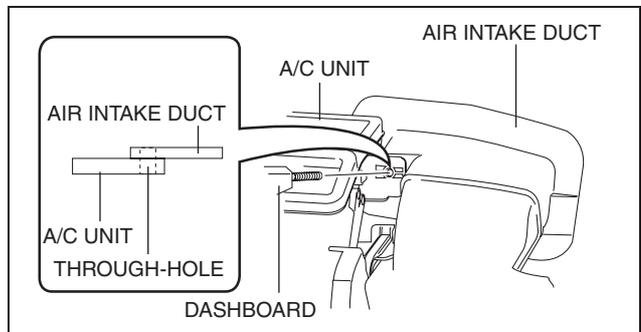


am2zzw0000150

Dashboard Installation Note

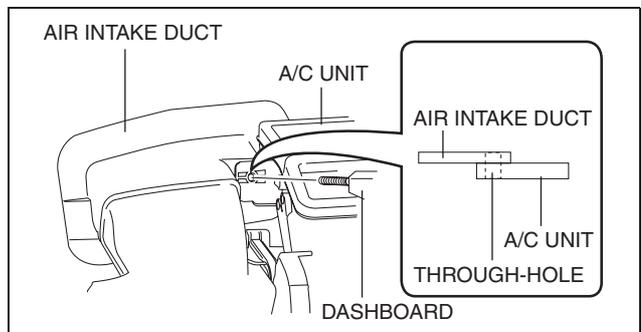
1. When inserting the bolt on the dashboard side, verify that the through-hole positions of the air intake duct and A/C unit are aligned.

L.H.D.



am2zzw0000150

R.H.D.



am2zzw0000150

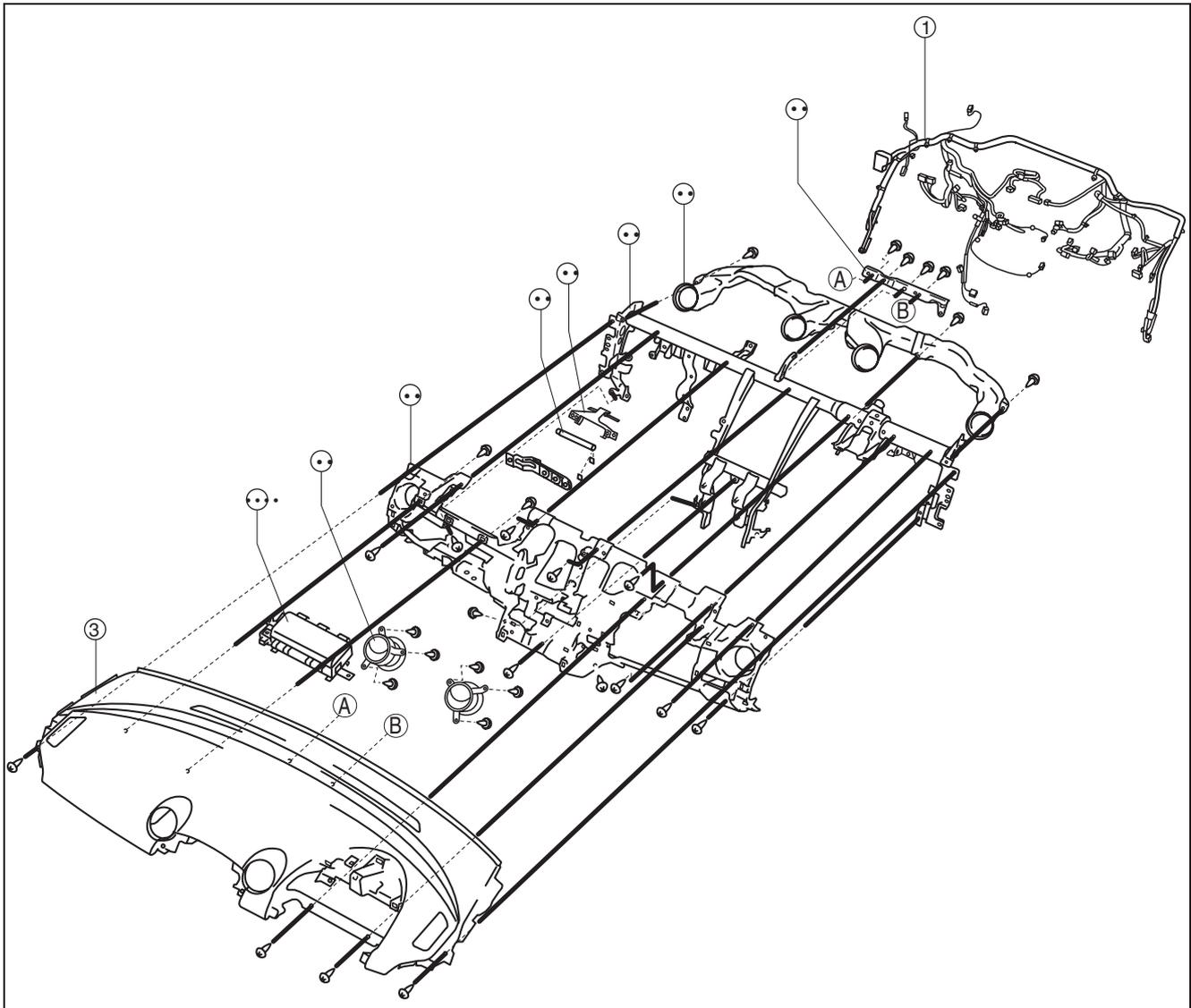
DASHBOARD DISASSEMBLY/ASSEMBLY

1. Disassemble in the order indicated in the table.

id091700453600

INTERIOR TRIM

R.H.D.



am2zzw0000150

1	Dashboard wiring harness
2	Dashboard bracket
3	Upper garnish
4	Duct
5	Dashboard member
6	Dashboard
7	Center ventilator grille

8	Glove compartment damper
9	Glove compartment striker (See 08-10-7 PASSENGER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION)
10	Passenger-side airbag module (See 08-10-7 PASSENGER-SIDE AIR BAG MODULE REMOVAL/INSTALLATION)

2. Assemble in the reverse order of disassembly.

METER HOOD REMOVAL/INSTALLATION

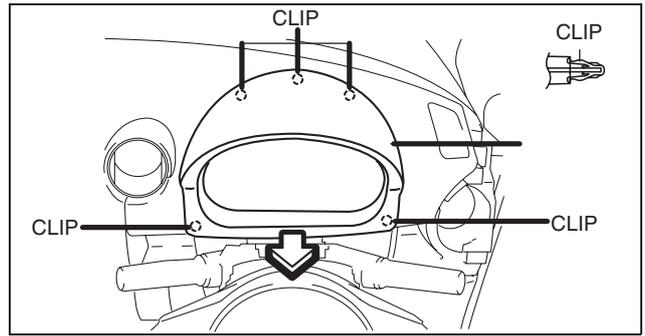
id091700454300

1. Pull the meter hood in the direction of the arrow shown in the figure and remove it while detaching the clips.

INTERIOR TRIM

R.H.D.

2. Install in the reverse order of removal.



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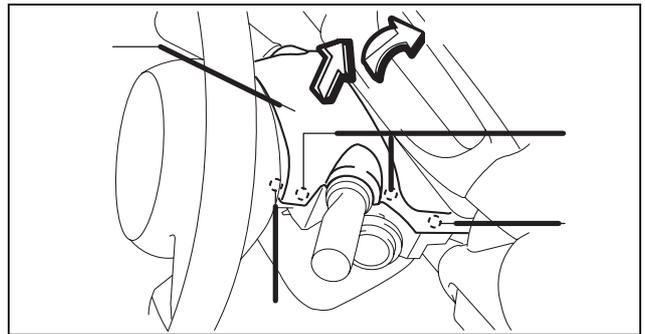
COLUMN COVER REMOVAL/INSTALLATION

id091700453700

1. Pull down the steering wheel.
2. Remove the key cylinder cap. (Vehicles with advanced keyless and start system)
3. Pull the upper column cover in the direction of the arrow in the order of (1) and (2), then remove the upper column cover while detaching the tabs and pin.

R.H.D.

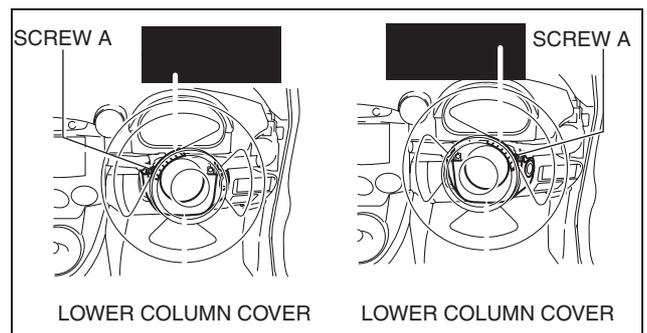
4. Rotate the steering wheel to the left and right until it reaches the positions shown in the figure and remove screws A.



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R.H.D.

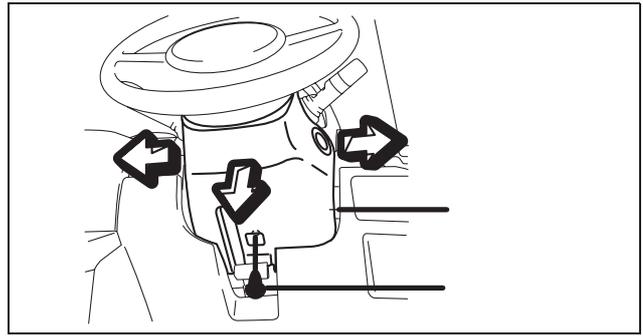
5. Pull up the steering wheel.
6. Remove screw B, then remove the lower column cover in the direction of the arrow (4) while keeping it open in the direction of the arrow (3) shown in the figure.



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R.H.D.

7. Install in the reverse order of removal.



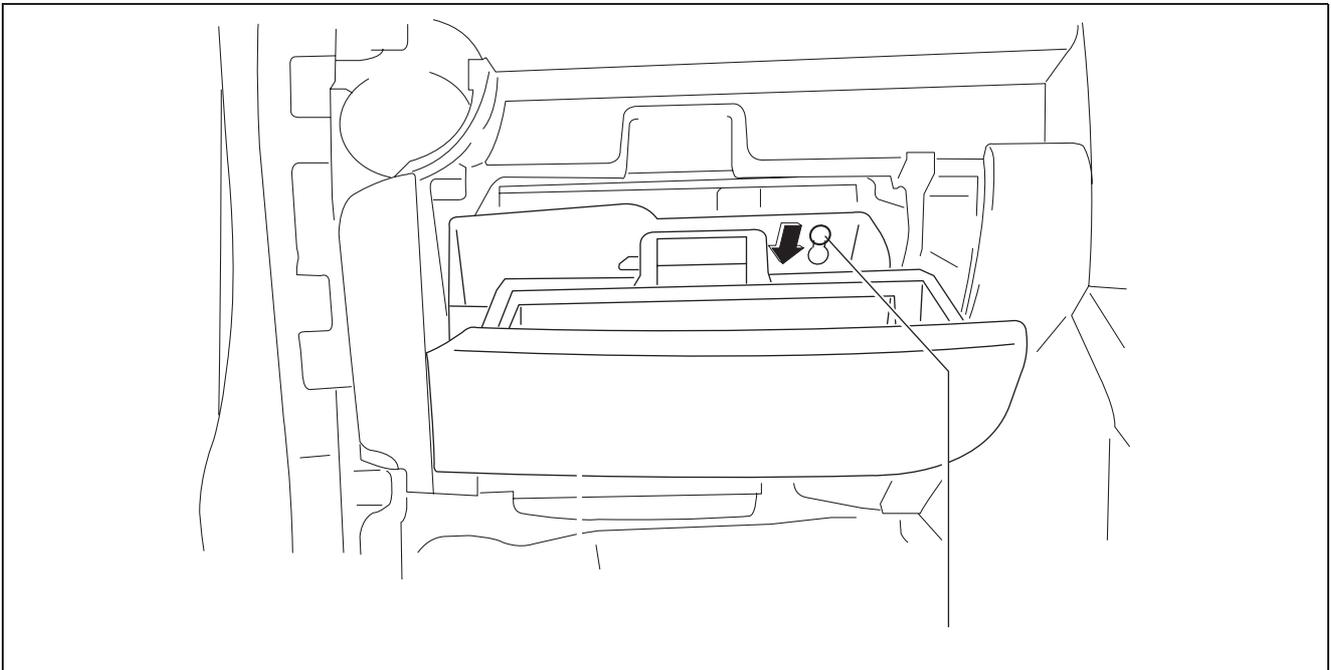
adejjw00003369

GLOVE COMPARTMENT REMOVAL/INSTALLATION

1. Move the hook in the direction of the arrow in the order of remove them.

id091700453800

R.H.D.

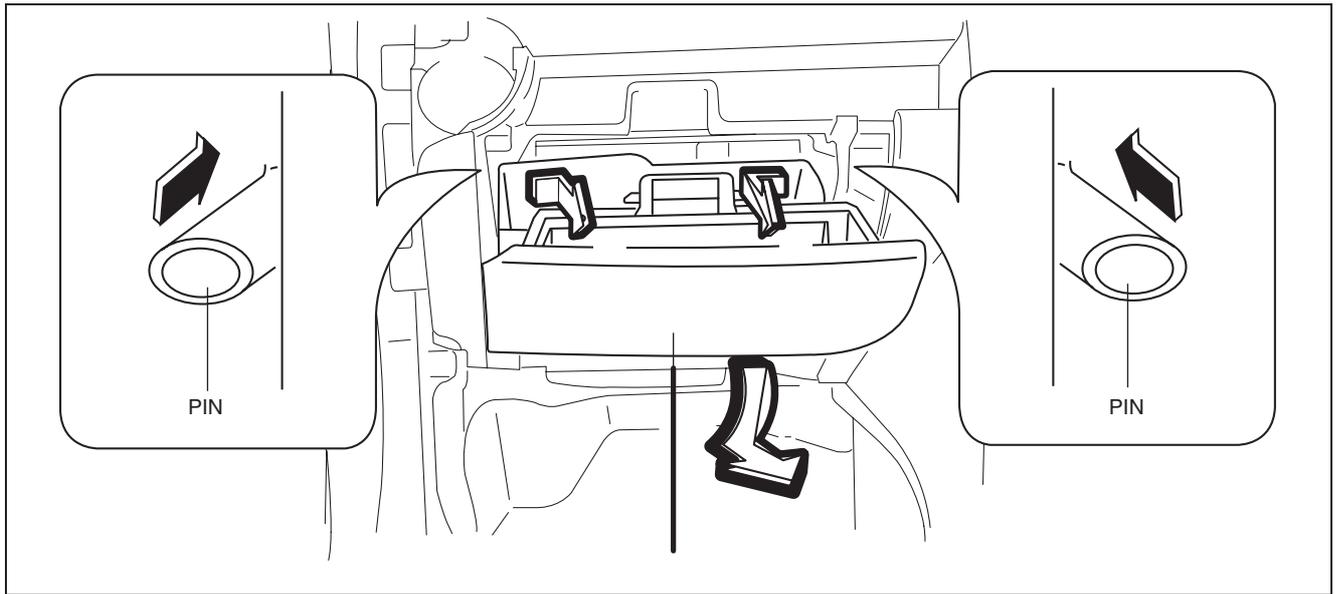


am2zzw0000150

2. Push both ends of the inner-side glove compartment in the direction of the arrow (1) shown in the figure, detach the pins from the dashboard, and remove the glove compartment in the direction of the arrow (2).

INTERIOR TRIM

R.H.D.



am2zzw0000150

3. Install in the reverse order of removal.

GLOVE COMPARTMENT COVER REMOVAL/INSTALLATION

id091700466700

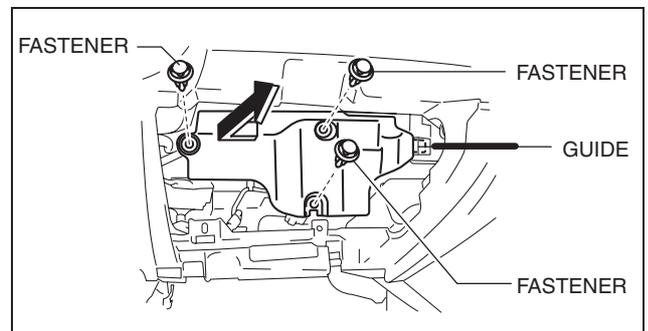
1. Remove the glove compartment. (See 09-17-26 GLOVE COMPARTMENT REMOVAL/INSTALLATION)
2. Remove the fasteners, then remove the glove compartment cover in the direction of the arrow shown in the figure.

R.H.D.

Caution

- Be careful not to damage the guide during removal.

3. Install in the reverse order of removal.



am2zzw0000028

LOWER PANEL REMOVAL/INSTALLATION

id091700453900

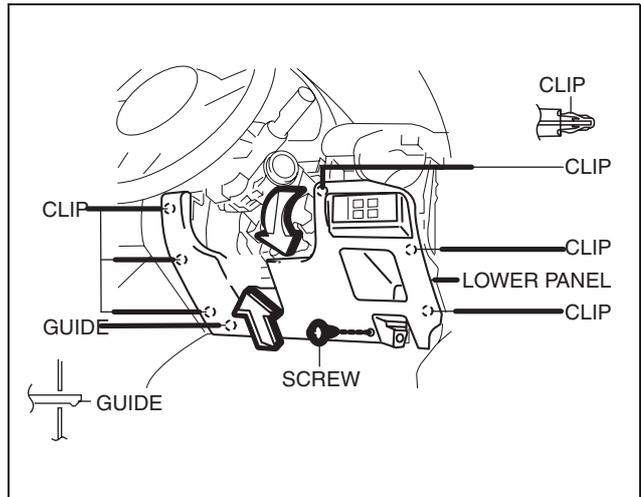
Driver's Side

1. Disconnect the negative battery cable.
2. Remove the following parts:
 - (1) Front scuff plate (See 09-17-56 FRONT SCUFF PLATE REMOVAL/INSTALLATION)
 - (2) Front side trim (See 09-17-53 FRONT SIDE TRIM REMOVAL/INSTALLATION)
 - (3) Shift lever knob (MTX) (See 05-16A-1 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [F35M-R].) (See 05-16B-2 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [B65M-R].)
 - (4) Side wall (See 09-17-33 SIDE WALL REMOVAL/INSTALLATION)
 - (5) Front console component (See 09-17-36 FRONT CONSOLE COMPONENT REMOVAL/INSTALLATION.)
 - (6) Bonnet release lever (See 09-14-28 BONNET LATCH AND RELEASE LEVER REMOVAL/INSTALLATION)
3. Remove the screw, pull the lower panel in the direction of the arrow in the order of (1) and (2), and remove the lower panel while detaching the clips.

INTERIOR TRIM

R.H.D.

4. Disconnect the switch connector.
5. Install in the reverse order of removal.

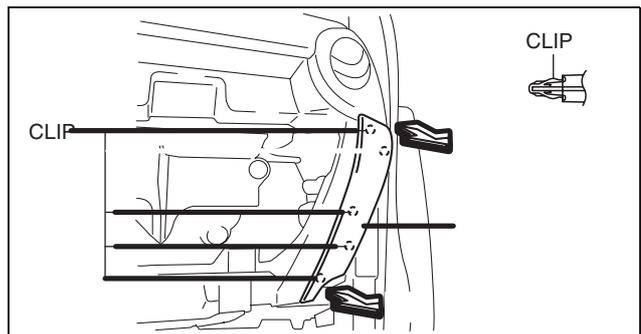


adejjw00003103

Passenger's Side

1. Remove the front scuff plate. (See 09-17-56 FRONT SCUFF PLATE REMOVAL/INSTALLATION)
2. Remove the front side trim. (See 09-17-53 FRONT SIDE TRIM REMOVAL/INSTALLATION)
3. Pull the lower panel in the direction of the arrow in the order of (1) and (2), then remove it while detaching the clips.

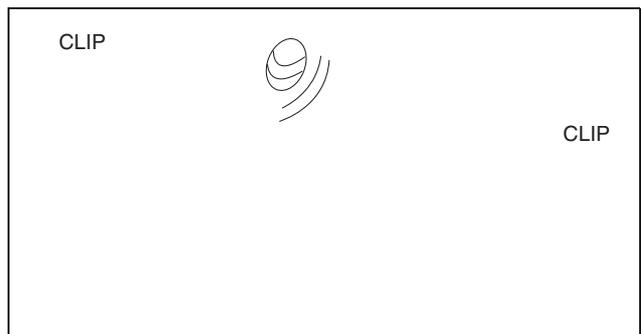
L.H.D.



am2zzw0000444

R.H.D.

4. Install in the reverse order of removal.



am2zzw0000444

LOWER PANEL REMOVAL/INSTALLATION [3HB]

id0917004539z3

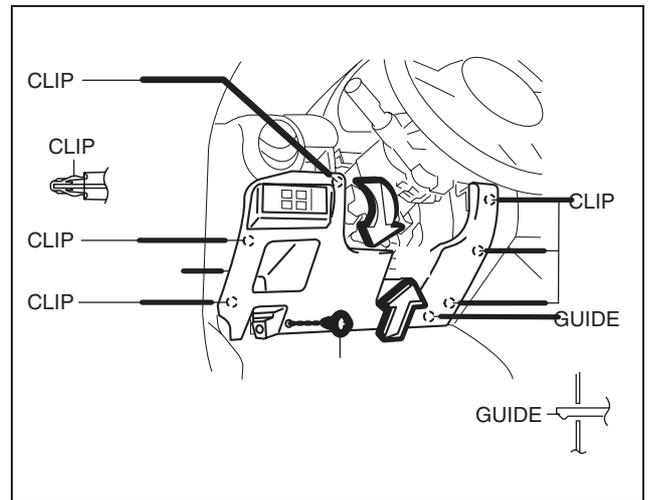
Driver's Side

1. Disconnect the negative battery cable.
2. Remove the following parts:
 - (1) Front scuff plate (See 09-17-57 FRONT SCUFF PLATE REMOVAL/INSTALLATION [3HB])
 - (2) Front side trim (See 09-17-55 FRONT SIDE TRIM REMOVAL/INSTALLATION [3HB])
 - (3) Shift lever knob (MTX) (See 05-16A-1 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [F35M-R].) (See 05-16B-2 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [B65M-R].)
 - (4) Side wall (See 09-17-33 SIDE WALL REMOVAL/INSTALLATION)
 - (5) Front console component (See 09-17-36 FRONT CONSOLE COMPONENT REMOVAL/INSTALLATION.)

INTERIOR TRIM

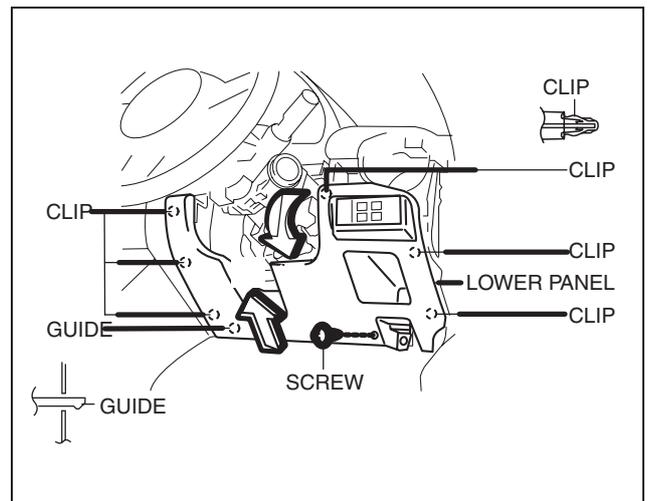
- (6) Bonnet release lever (See 09-14-28 BONNET LATCH AND RELEASE LEVER REMOVAL/INSTALLATION)
3. Remove the screw, pull the lower panel in the direction of the arrow in the order of (1) and (2), and remove the lower panel while detaching the clips.

L.H.D.



R.H.D.

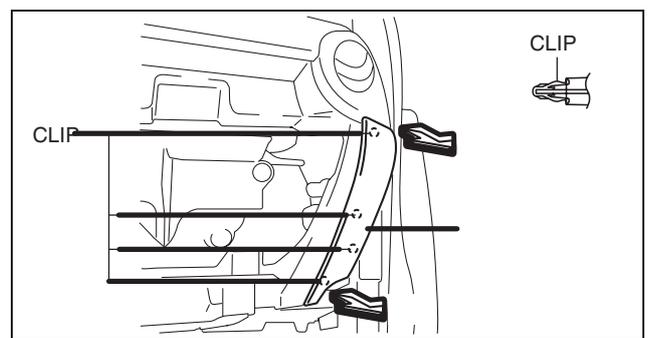
4. Disconnect the switch connector.
5. Install in the reverse order of removal.



Passenger's Side

1. Remove the front scuff plate. (See 09-17-57 FRONT SCUFF PLATE REMOVAL/INSTALLATION [3HB])
2. Remove the front side trim. (See 09-17-55 FRONT SIDE TRIM REMOVAL/INSTALLATION [3HB])
3. Pull the lower panel in the direction of the arrow in the order of (1) and (2), then remove it while detaching the clips.

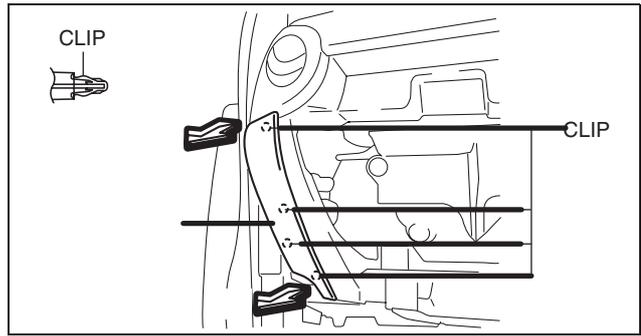
L.H.D.



INTERIOR TRIM

R.H.D.

4. Install in the reverse order of removal.



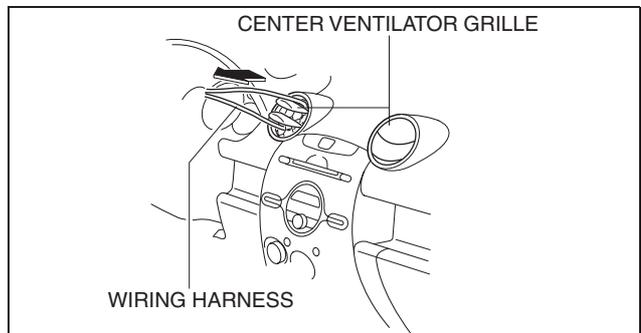
am2zzw0000180

CENTER VENTILATOR GRILLE REMOVAL/INSTALLATION

id091700454800

1. Route the wiring harness as shown in the figure and pull on the center ventilator grille in the direction of the arrow to remove it.

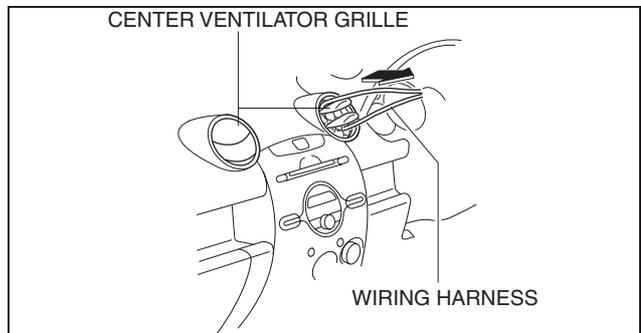
L.H.D.



am2zzw0000151

R.H.D.

2. When installing the center ventilator grille, press it in the dashboard.



am2zzw0000151

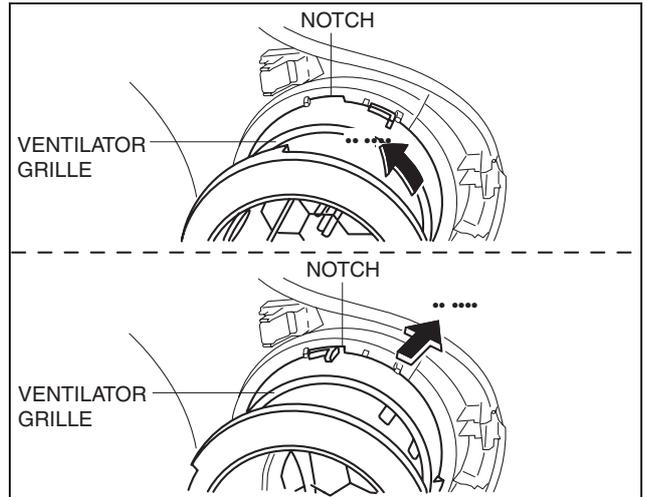
VENTILATOR GRILLE REMOVAL/INSTALLATION

id091700454100

1. Remove the side panel. (See 09-17-34 SIDE PANEL REMOVAL/INSTALLATION)

INTERIOR TRIM

2. Rotate the ventilator grille to the notch in the direction of the arrow (1) shown in the figure and pull it in the direction of the arrow (2) to remove it.
3. Install in the reverse order of removal.



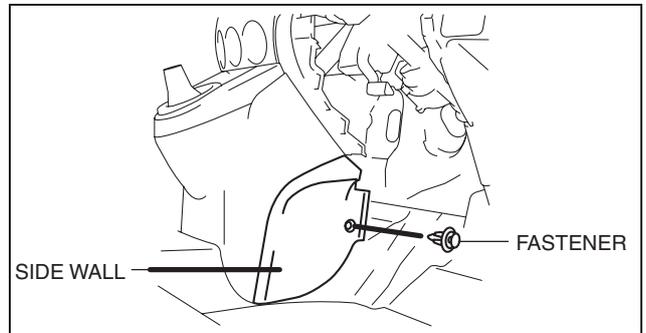
am2zzw0000151

SIDE WALL REMOVAL/INSTALLATION

id091700454400

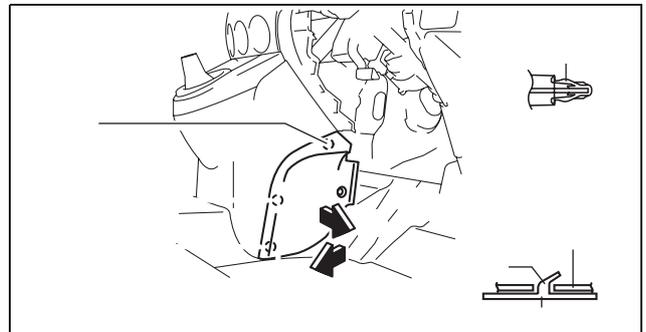
Right-side

1. Remove the fastener.



adejiw00003381

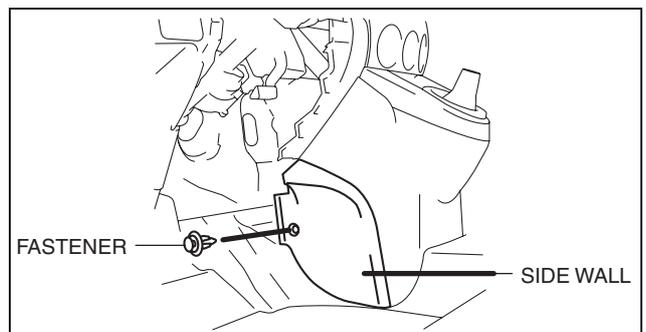
2. Pull the side wall in the direction of the arrow in the order of (1) and (2), then remove it while detaching clips A and tab B.
3. Install in the reverse order of removal.



am2zzw0000151

Left-side

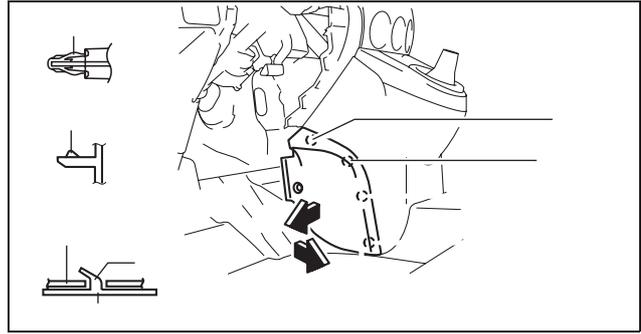
1. Remove the fastener.



am2zzw0000151

INTERIOR TRIM

2. Pull the side wall in the direction of the arrow in the order of (1) and (2), then remove it while detaching clips A and B and tab C.
3. Install in the reverse order of removal.

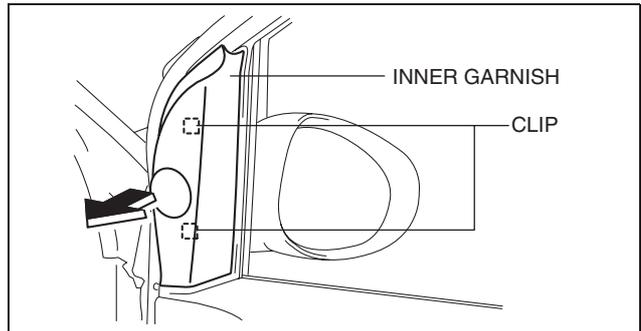


am2zzw0000151

INNER GARNISH REMOVAL/INSTALLATION

id091700460500

1. Disconnect the negative battery cable (vehicles with tweeter).
2. Pull the inner garnish in the direction of the arrow shown in the figure and remove it while detaching the clips.
3. Disconnect the tweeter connector (vehicles with tweeter).
4. Install in the reverse order of removal.



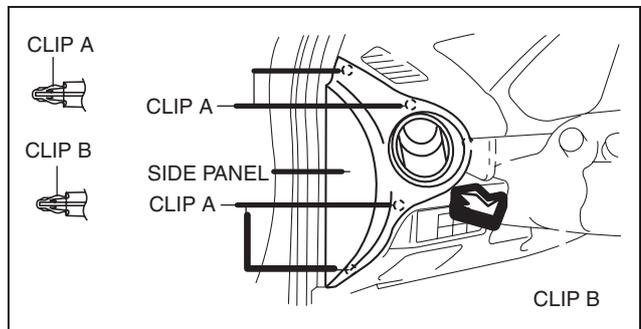
adejjw00002979

SIDE PANEL REMOVAL/INSTALLATION

id091700454000

1. Partially peel back the seaming welt.
2. Remove the following parts:
 - (1) Front scuff plate (See 09-17-56 FRONT SCUFF PLATE REMOVAL/INSTALLATION.) (See 09-17-57 FRONT SCUFF PLATE REMOVAL/INSTALLATION [3HB].)
 - (2) Front side trim (See 09-17-53 FRONT SIDE TRIM REMOVAL/INSTALLATION.) (See 09-17-55 FRONT SIDE TRIM REMOVAL/INSTALLATION [3HB].)
 - (3) Shift lever knob (MTX) (See 05-16A-1 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [F35M-R].) (See 05-16B-2 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [B65M-R].)
 - (4) Side wall (See 09-17-33 SIDE WALL REMOVAL/INSTALLATION.)
 - (5) Front console component (See 09-17-36 FRONT CONSOLE COMPONENT REMOVAL/INSTALLATION.)
 - (6) Bonnet release lever (See 09-14-28 BONNET LATCH AND RELEASE LEVER REMOVAL/INSTALLATION.)
 - (7) Lower panel (See 09-17-29 LOWER PANEL REMOVAL/INSTALLATION)
3. Pull the side panel in the direction of the arrow shown in the figure and remove it while detaching clips A and B.

L.H.D.

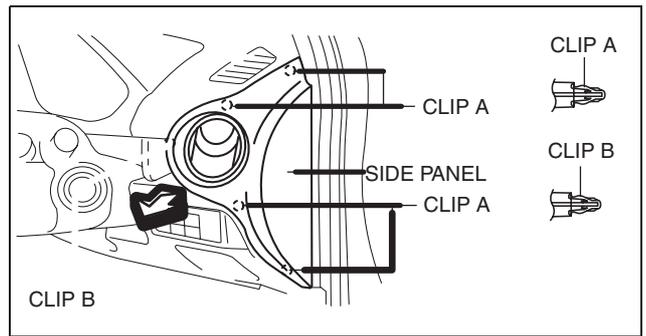


am2zzw0000180

INTERIOR TRIM

R.H.D.

4. Install in the reverse order of removal.



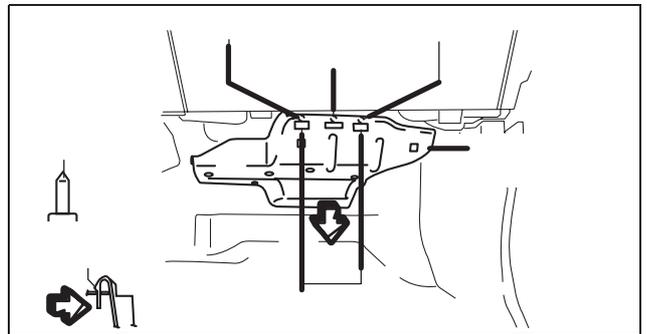
am2zzw0000180

DASHBOARD UNDER COVER REMOVAL/INSTALLATION

id091700470000

1. While pressing the hook inside the service hole in the direction of the arrow (1) shown in the figure, pull the dashboard under cover in the direction of the arrow (2), and then remove the hook and the guide pin.

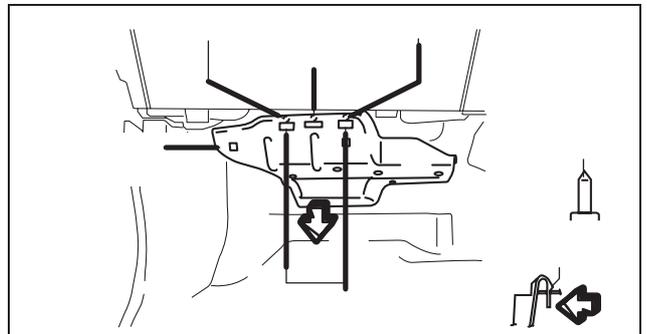
L.H.D.



am2zzw0000151

R.H.D.

2. Remove the dashboard under cover.
3. Install in the reverse order of removal.



am2zzw0000151

CENTER PANEL REMOVAL/INSTALLATION

id091700455200

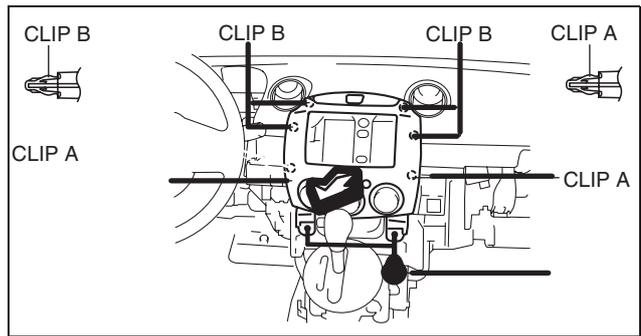
Note

- For vehicles with the audio unit, refer to the CENTER PANEL UNIT REMOVAL/INSTALLATION. (See 09-20-3 CENTER PANEL UNIT REMOVAL/INSTALLATION)

1. Disconnect the negative battery cable.
2. Remove the shift lever knob. (MTX) (See 05-16A-1 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [F35M-R].) (See 05-16B-2 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [B65M-R])
3. Remove the side wall. (See 09-17-33 SIDE WALL REMOVAL/INSTALLATION)
4. Remove the front console component. (See 09-17-36 FRONT CONSOLE COMPONENT REMOVAL/INSTALLATION.)
5. Remove the screw, pull the center panel in the direction of the arrow shown in the figure, and remove the center panel while detaching the clips A and B. (See 09-17-36 Center Panel Removal Note)

INTERIOR TRIM

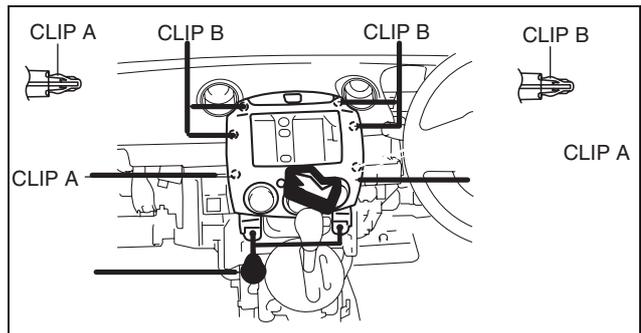
L.H.D.



am2zzw0000374

R.H.D.

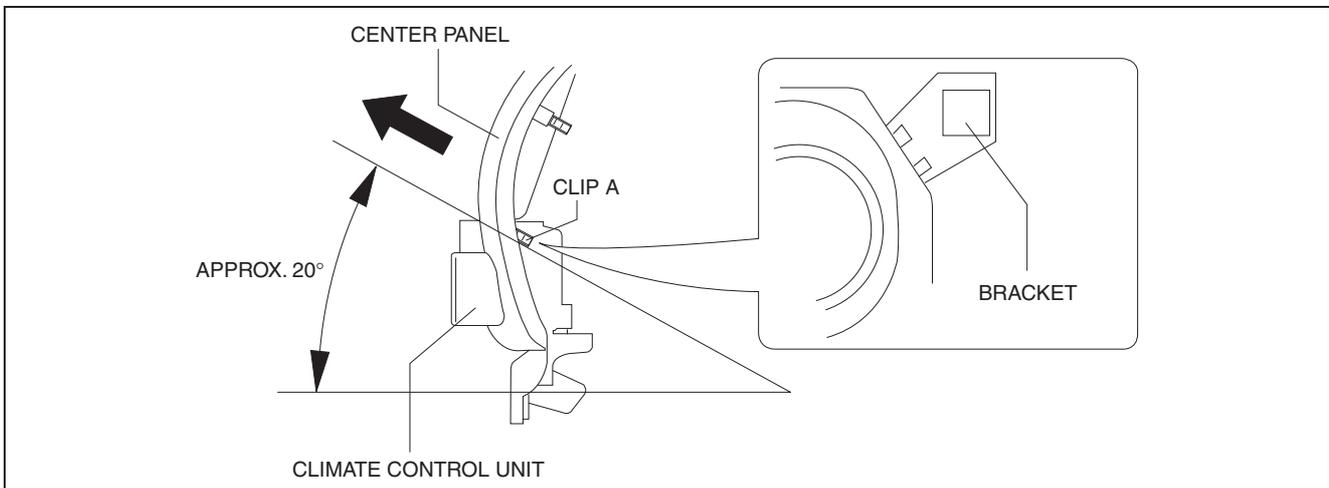
6. Disconnect the hazard warning switch connector.
7. Disconnect the passenger-side seat belt reminder indicator connector. (vehicles with passenger-side seat belt reminder indicator)
8. Install in the reverse order of removal.



am2zzw0000374

Center Panel Removal Note

1. When the center panel is removed, clips A could interfere with the climate control unit bracket and cause damage. Pull the center panel in the direction of the arrow shown in the figure (upward at a **approx. 20°** angle) when removing it.



am2zzw0000326

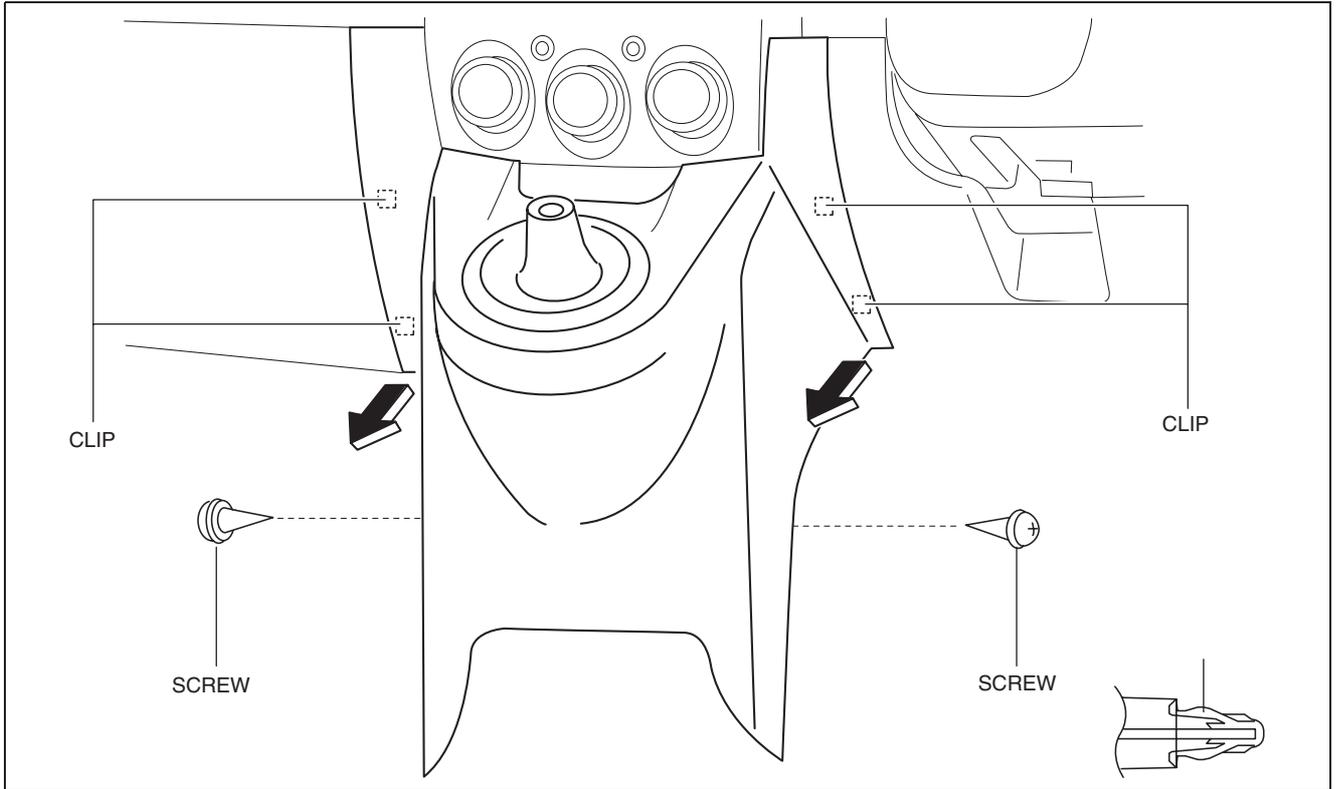
FRONT CONSOLE COMPONENT REMOVAL/INSTALLATION

id091700458500

1. Shift lever to neutral position.
2. Remove the following parts:
 - (1) Side wall (See 09-17-33 SIDE WALL REMOVAL/INSTALLATION.)
 - (2) Shift lever knob (MTX) (See 05-16A-1 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [F35M-R].) (See 05-16B-2 MANUAL TRANSAXLE SHIFT MECHANISM REMOVAL/INSTALLATION [B65M-R].)

INTERIOR TRIM

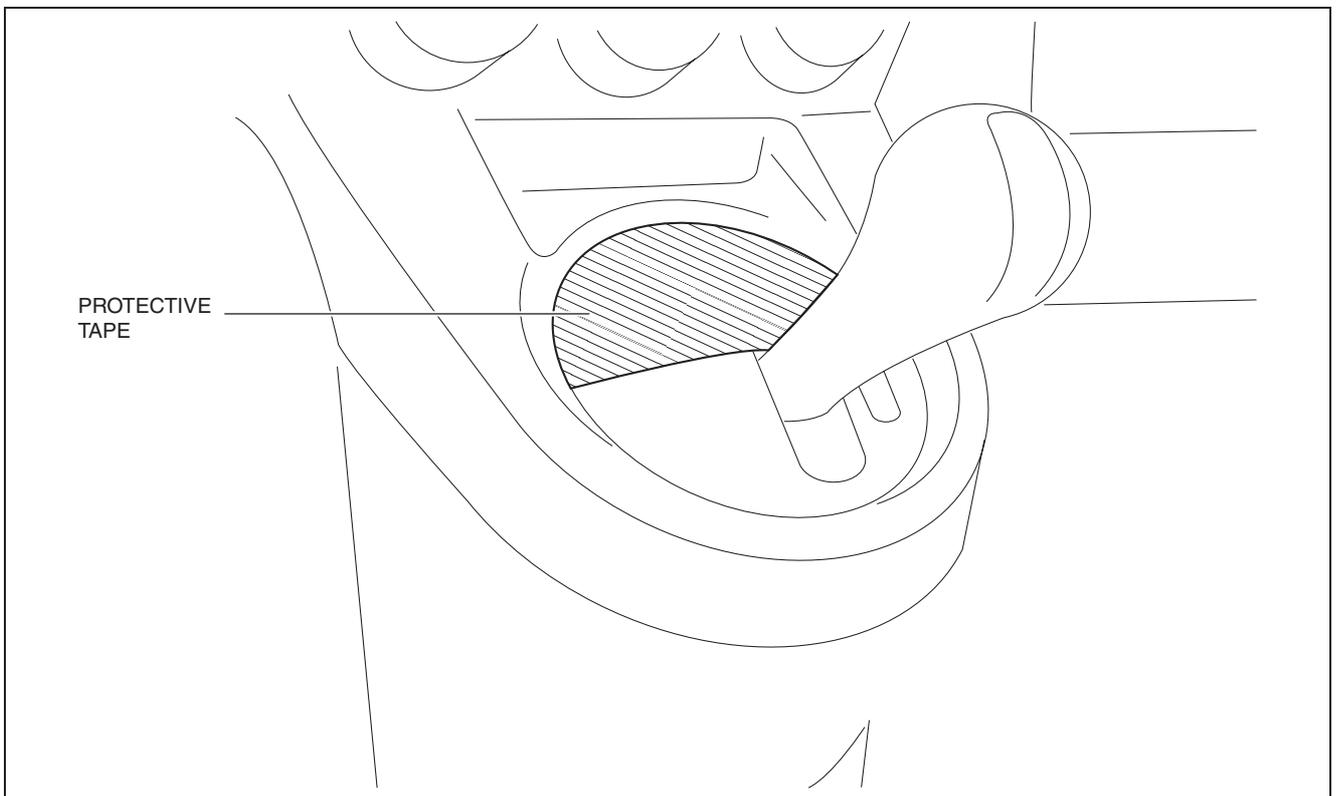
3. Remove the screws, pull the lower side of the front console component in the direction of the arrow, and remove the clips.



am2zzw0000500

Caution

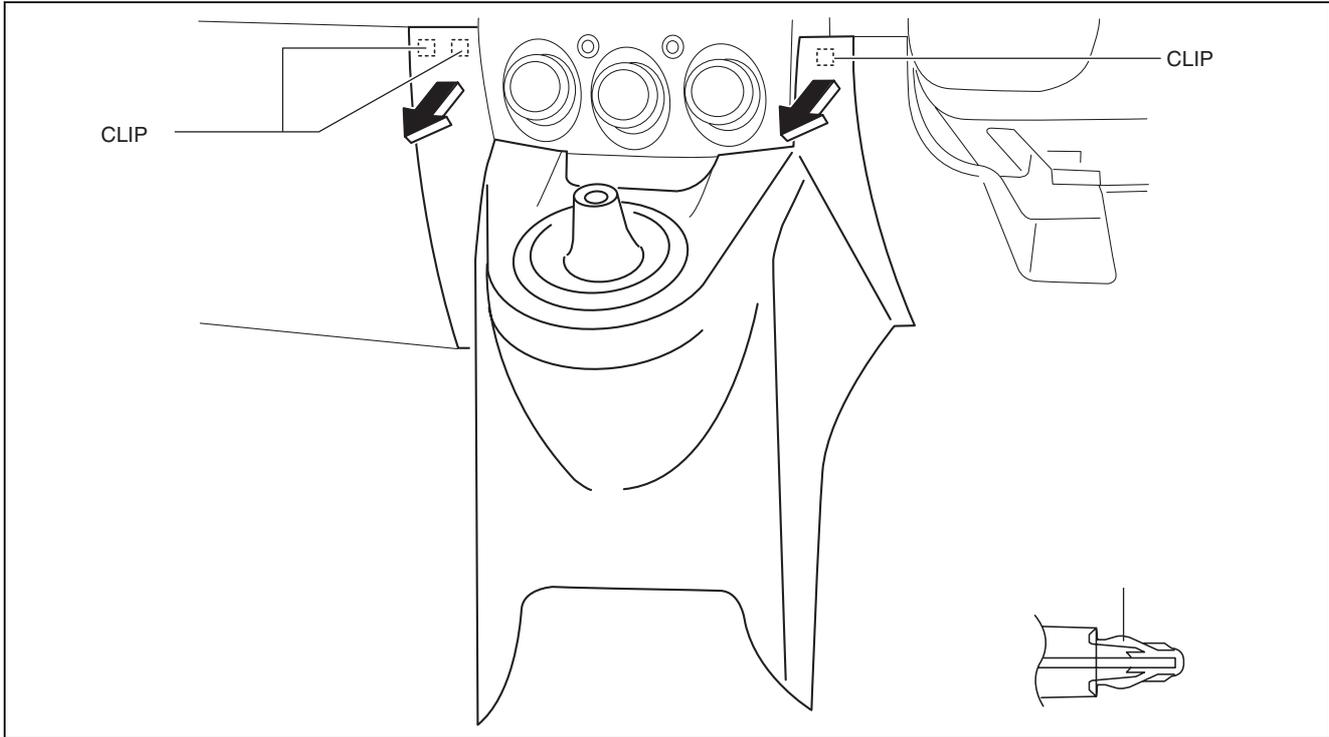
- Affix protective tape to the ATX/CVT shift panel to prevent scratches or damage. (ATX/CVT)



am2zzw0000265

INTERIOR TRIM

4. Pull the front console assembly in the direction of the arrow in the figure and remove it while detaching the clips.



am2zzw0000500

5. Install the boot panel and front console as a single unit.
6. Install in the reverse order of removal.

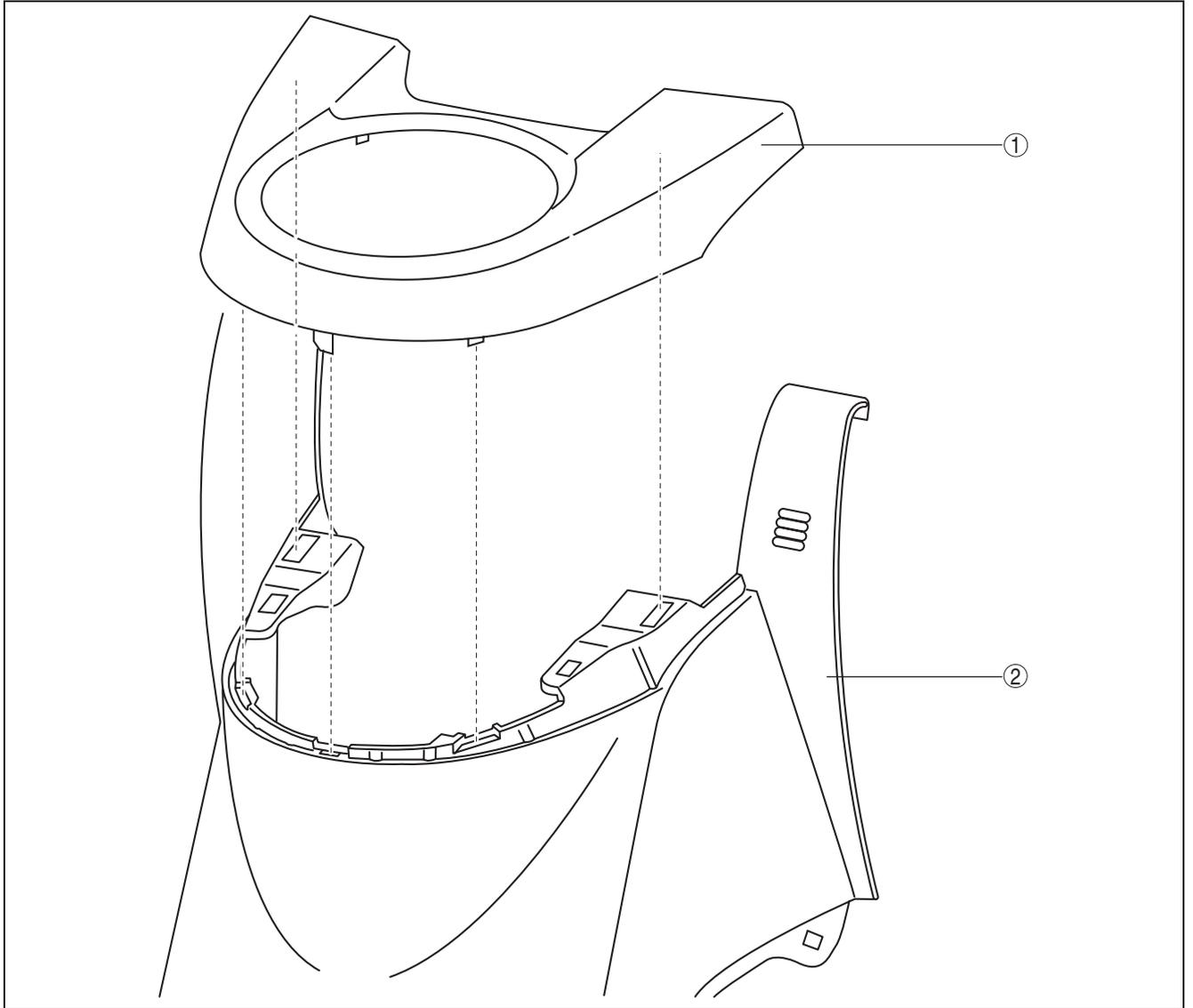
FRONT CONSOLE COMPONENT DISASSEMBLY/ASSEMBLY

id091700458600

ATX/CVT

1. Disassemble in the order indicated in the table.

INTERIOR TRIM



am2zzw0000265

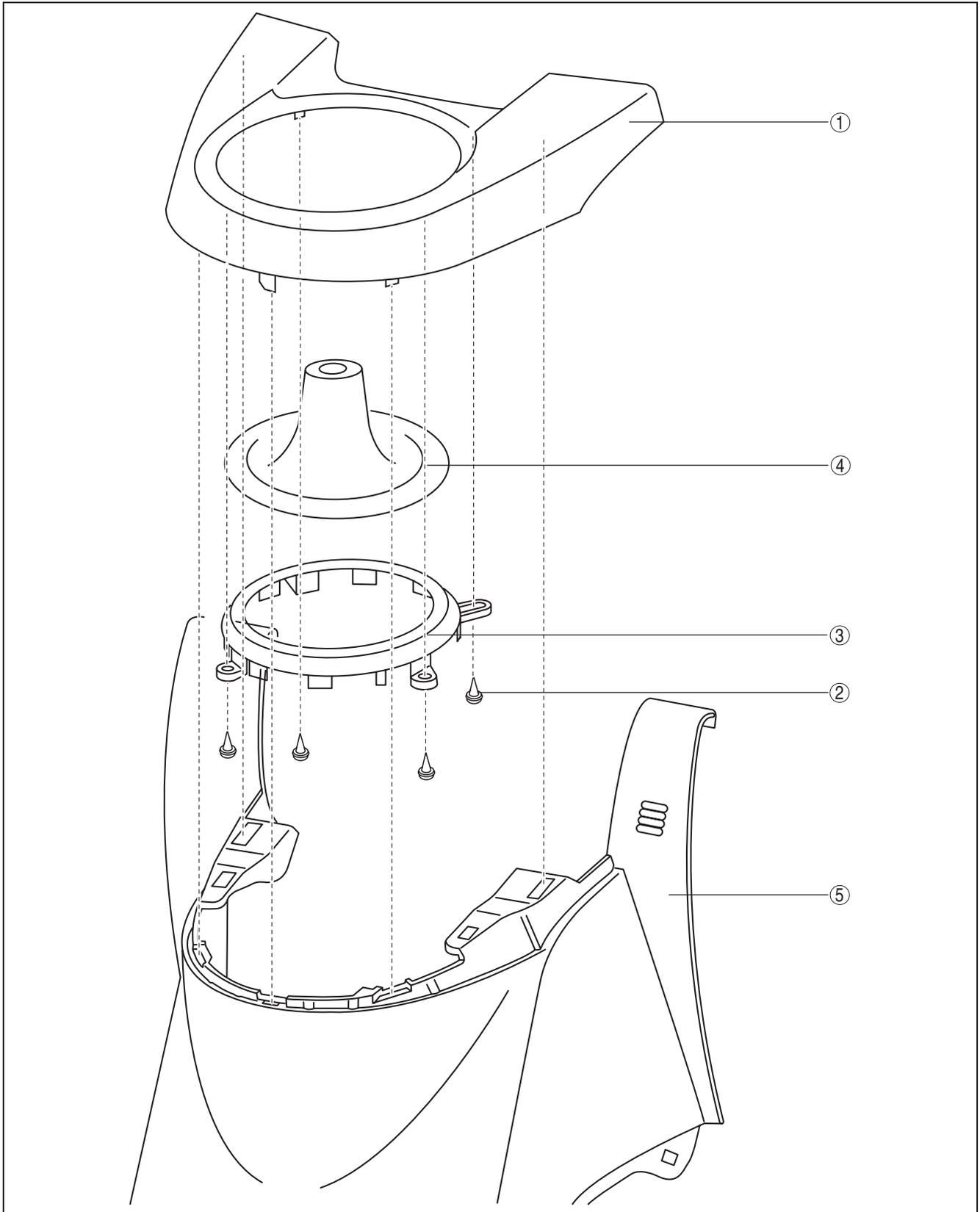
1	Boot panel
2	Front console

2. Assemble in the reverse order of disassembly.

MTX

1. Disassemble in the order indicated in the table.

INTERIOR TRIM



am2zzw0000502

1	Boot panel
2	Screw
3	Set panel

4	Boot
5	Front console

INTERIOR TRIM

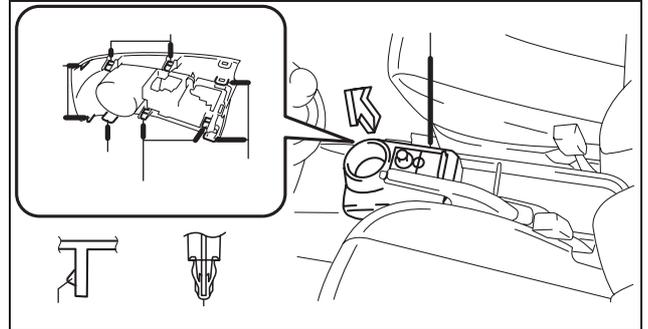
2. Assemble in the reverse order of disassembly.

REAR CONSOLE REMOVAL/INSTALLATION

id091700457500

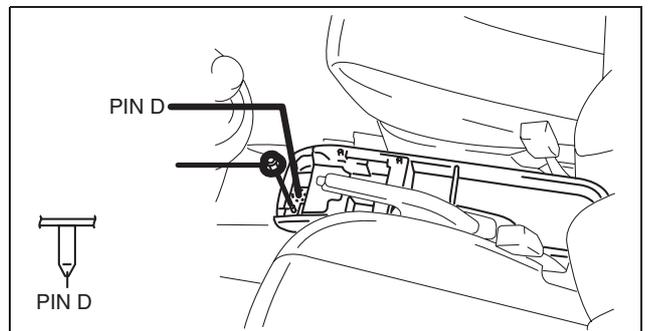
L.H.D.

1. Disconnect the negative battery cable.
2. Pull the console in the direction of the arrow shown in the figure and remove it while detaching clips A, hooks B, and the tab.
3. Disconnect the cigarette lighter connector and auxiliary jack connector (vehicles with auxiliary jack).



adejiw00003123

4. Remove nut C.



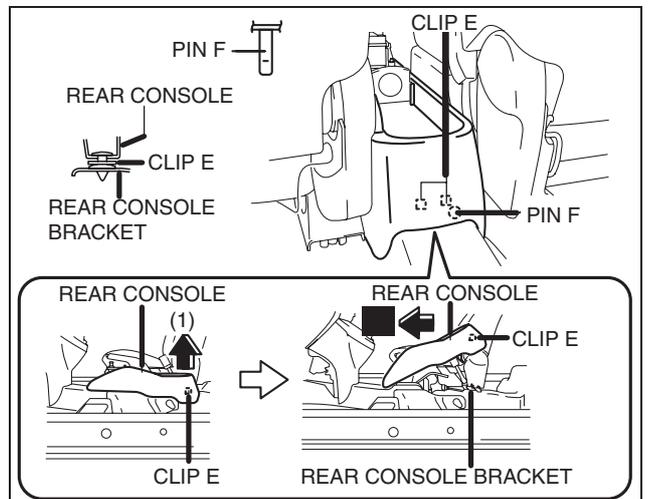
am2zzw0000245

5. Pull up the rear console in the direction of the arrow (1) shown in the figure, remove clips E, move the rear console in the direction of the arrow (2), and remove it avoiding the parking brake lever.

Caution

- When moving the rear console in the direction of the arrow (2), be careful not to damage pins D and F.

6. Install in the reverse order of removal.



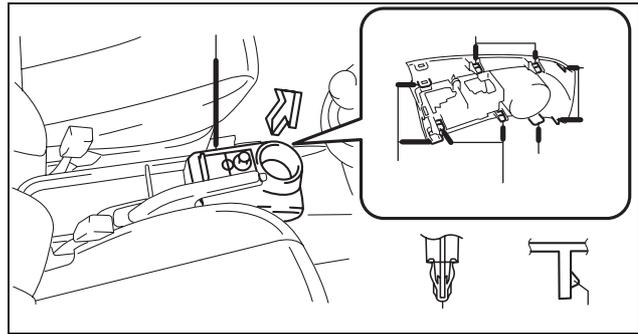
adejiw00003125

R.H.D.

1. Disconnect the negative battery cable.

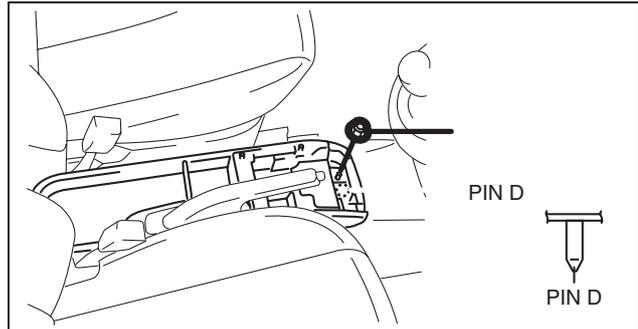
INTERIOR TRIM

2. Pull the console in the direction of the arrow shown in the figure and remove it while detaching clips A, hooks B, and the tab.
3. Disconnect the cigarette lighter connector and auxiliary jack connector (vehicles with auxiliary jack).



adejjw00003120

4. Remove nut C.



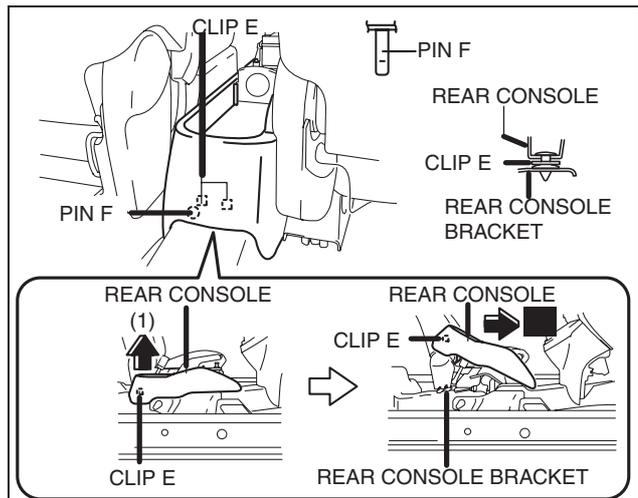
am2zzw0000181

5. Pull up the rear console in the direction of the arrow (1) shown in the figure, remove clips E, move the rear console in the direction of the arrow (2), and remove it avoiding the parking brake lever.

Caution

- When moving the rear console in the direction of the arrow (2), be careful not to damage pins D and F.

6. Install in the reverse order of removal.



adejjw00003122

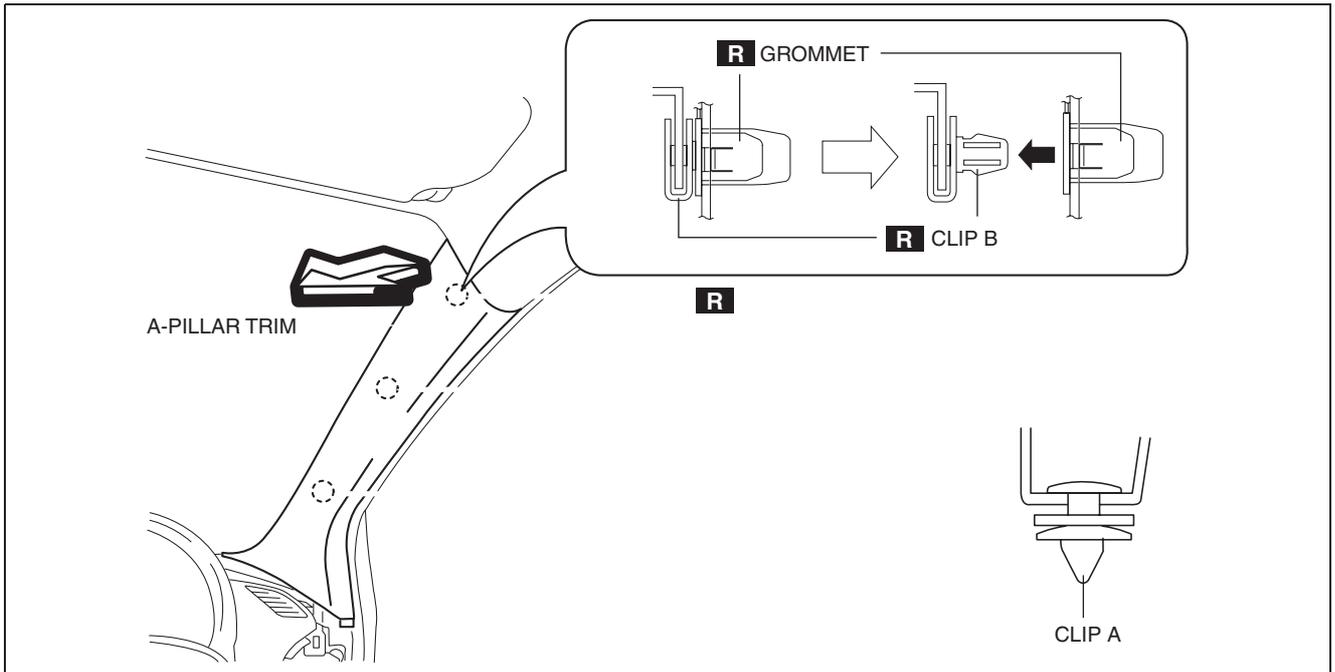
A-PILLAR TRIM REMOVAL/INSTALLATION

id091700458700

1. Partially peel back the seaming welt.

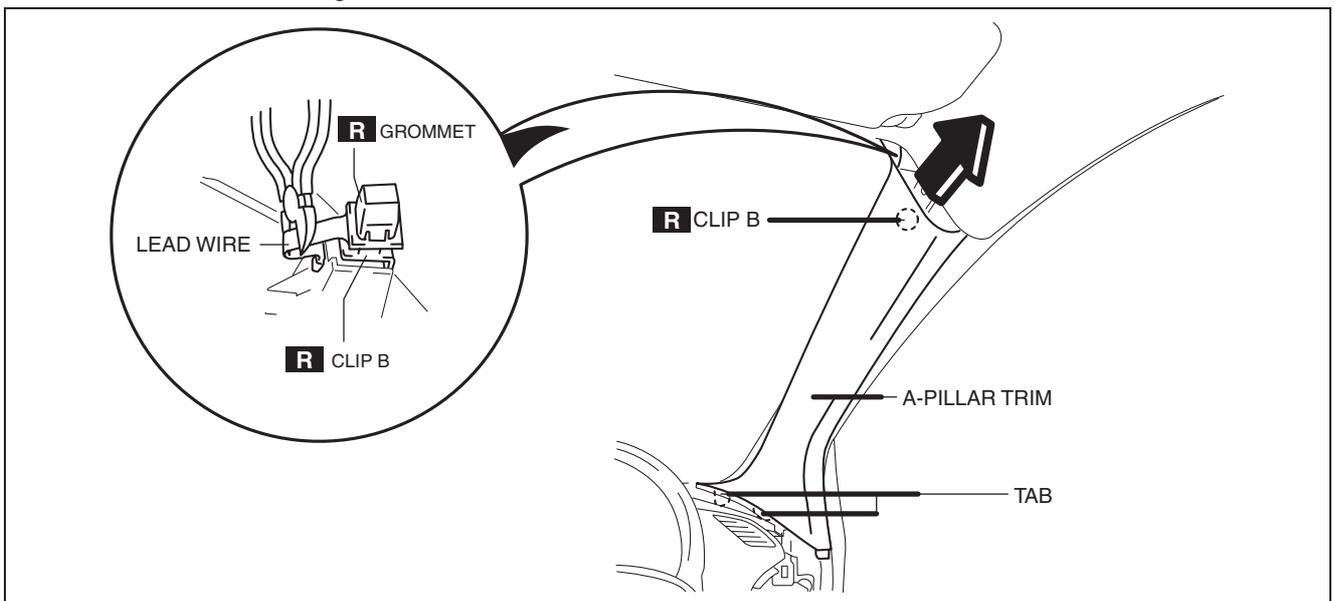
INTERIOR TRIM

2. Pull the upper end of the A-pillar trim in the direction of the arrow shown in the figure and remove clips A and B.



am2zzw0000181

3. Cut the lead wire connecting clip B and grommet using a nipper and pull out the A-pillar trim in the direction of the arrow shown in the figure.



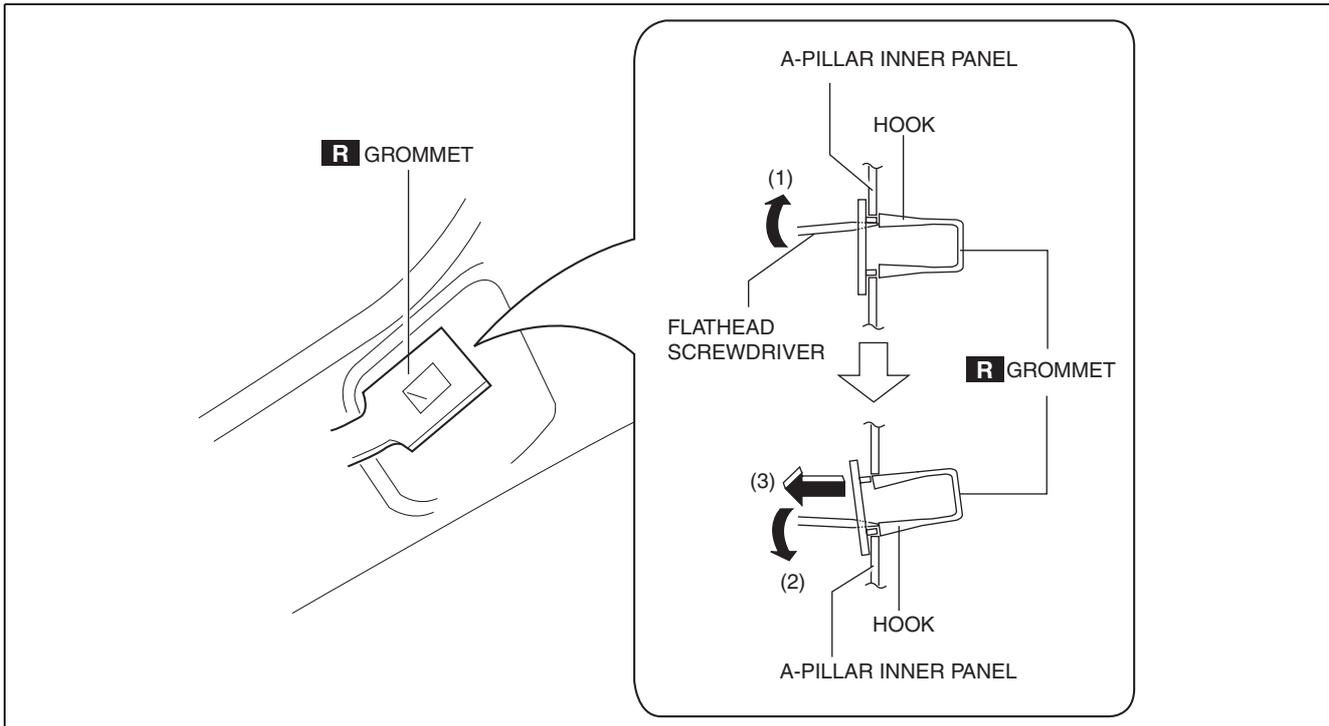
am2zzw0000181

Caution

- When pulling out the A-pillar trim, be careful not to damage the tabs.

INTERIOR TRIM

4. Move the hook in the direction of arrows (1) and (2) shown in the figure using a flathead screwdriver and detach it from the A-pillar inner panel.



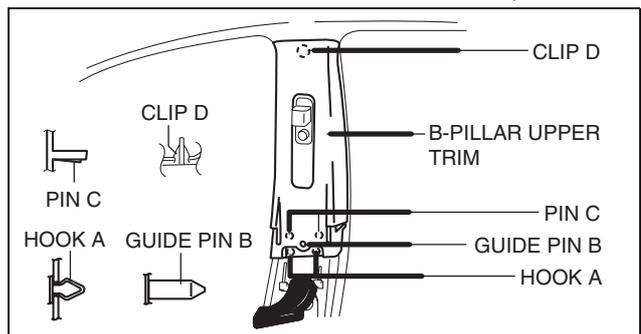
am2zzw0000231

5. Remove the grommet in the direction of the arrow (3) shown in the figure.
6. When installing the A-pillar trim, install the new clip B and grommet to the A-pillar trim in advance.
7. Install in the reverse order of removal.

B-PILLAR UPPER TRIM REMOVAL/INSTALLATION

id091700459000

1. Remove the adjuster anchor cover.
2. Remove the upper anchor installation bolts of the front seat belt.
3. Remove the front scuff plate. (See 09-17-56 FRONT SCUFF PLATE REMOVAL/INSTALLATION)
4. Remove the rear scuff plate. (See 09-17-58 REAR SCUFF PLATE REMOVAL/INSTALLATION)
5. Partially peel back the seaming welt.
6. Remove the B-pillar lower trim. (See 09-17-46 B-PILLAR LOWER TRIM REMOVAL/INSTALLATION)
7. Grasp the lower end of the B-pillar upper trim, pull it in the direction of the arrow shown in the figure, and remove hook A, guide pin B, pin C, and clip D.



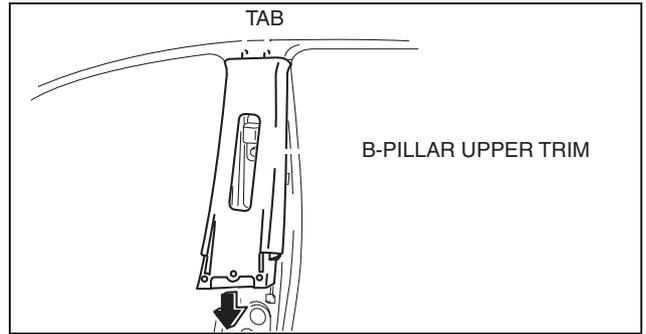
am2zzw0000181

INTERIOR TRIM

8. Remove the B-pillar upper trim in the direction of the arrow shown in the figure.

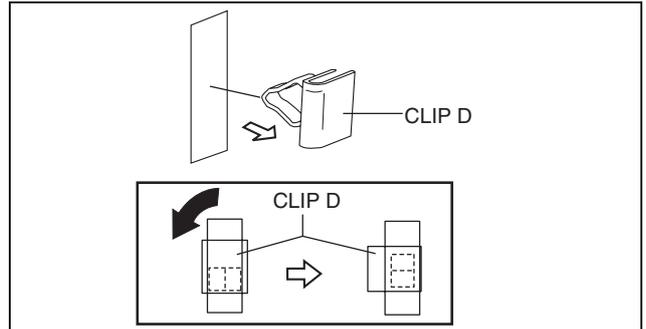
Caution

- When removing the B-pillar upper trim, be careful not to damage the tabs.



adejiw00003390

9. If there is a remaining clip D, rotate it 90° in the direction of the arrow shown in the figure and remove it.
10. Remove clip D and install it to the B-pillar upper trim.
11. Install in the reverse order of removal.

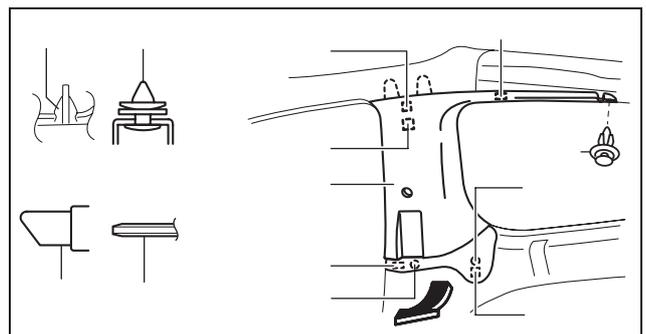


am2zzw0000182

B-PILLAR UPPER TRIM REMOVAL/INSTALLATION [3HB]

id0917004590z3

1. Remove the following parts:
 - (1) Front seat belt adjuster anchor cover
 - (2) Front seat belt upper anchor installation bolt
 - (3) Front scuff plate (See 09-17-57 FRONT SCUFF PLATE REMOVAL/INSTALLATION [3HB].)
 - (4) Rear seat cushion (See 09-13-31 REAR SEAT CUSHION REMOVAL/INSTALLATION.)
 - (5) Rear seat back (See 09-13-27 REAR SEAT BACK REMOVAL/INSTALLATION [Except AutoAlliance (AAT) Thailand manufactured vehicles].)
 - (6) Trunk end trim (See 09-17-75 TRUNK END TRIM REMOVAL/INSTALLATION.)
2. Partially peel back the seaming welt.
3. Remove the trunk side trim. (See 09-17-73 TRUNK SIDE TRIM REMOVAL/INSTALLATION [3HB].)
4. Remove the C-pillar trim. (See 09-17-52 C-PILLAR TRIM REMOVAL/INSTALLATION [3HB].)
5. Remove the fastener.
6. Grasp the lower end of the B-pillar upper trim, pull it in the direction of the arrow shown in the figure, and remove clip A, clip B, tab C, and pin D.

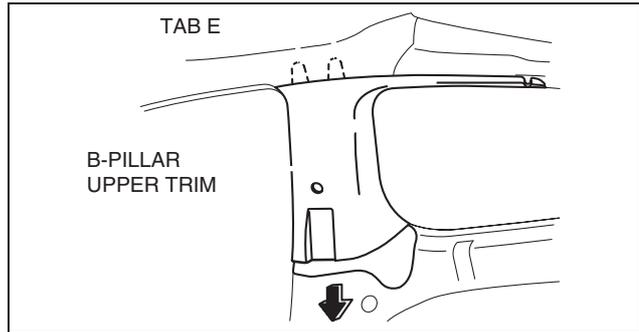


INTERIOR TRIM

- Remove the B-pillar upper trim in the direction of the arrow shown in the figure.

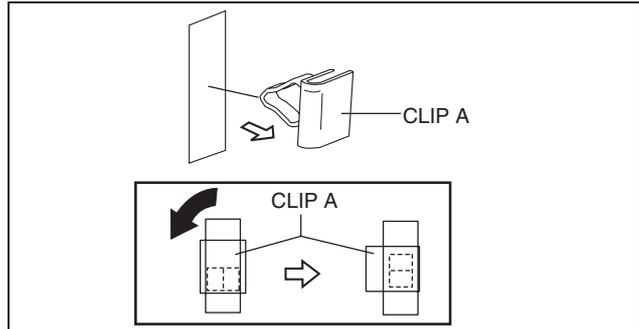
Caution

- When removing the B-pillar upper trim, be careful not to damage the tabs E.



am2zzw0000341

- If there is a remaining clip A, rotate it 90° in the direction of the arrow shown in the figure and remove it.
- Remove clip A and install it to the B-pillar upper trim.
- Install in the reverse order of removal.

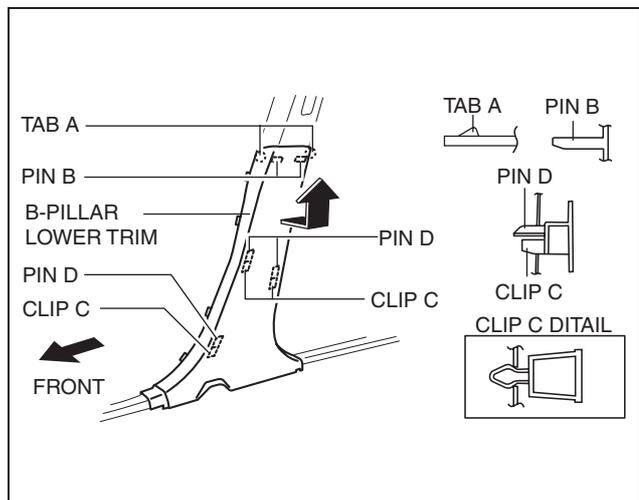


am2zzw0000341

B-PILLAR LOWER TRIM REMOVAL/INSTALLATION

id091700458900

- Remove the front scuff plate. (See 09-17-56 FRONT SCUFF PLATE REMOVAL/INSTALLATION)
- Remove the rear scuff plate. (See 09-17-58 REAR SCUFF PLATE REMOVAL/INSTALLATION)
- Partially peel back the seaming welt.
- Pull the B-pillar lower trim in the direction of the arrow shown in the figure, detach tab A, pin B, clip C, pin D, then remove the B-pillar lower trim.
- Install in the reverse order of removal.



am2zzw0000182

C-PILLAR TRIM REMOVAL/INSTALLATION

id091700459100

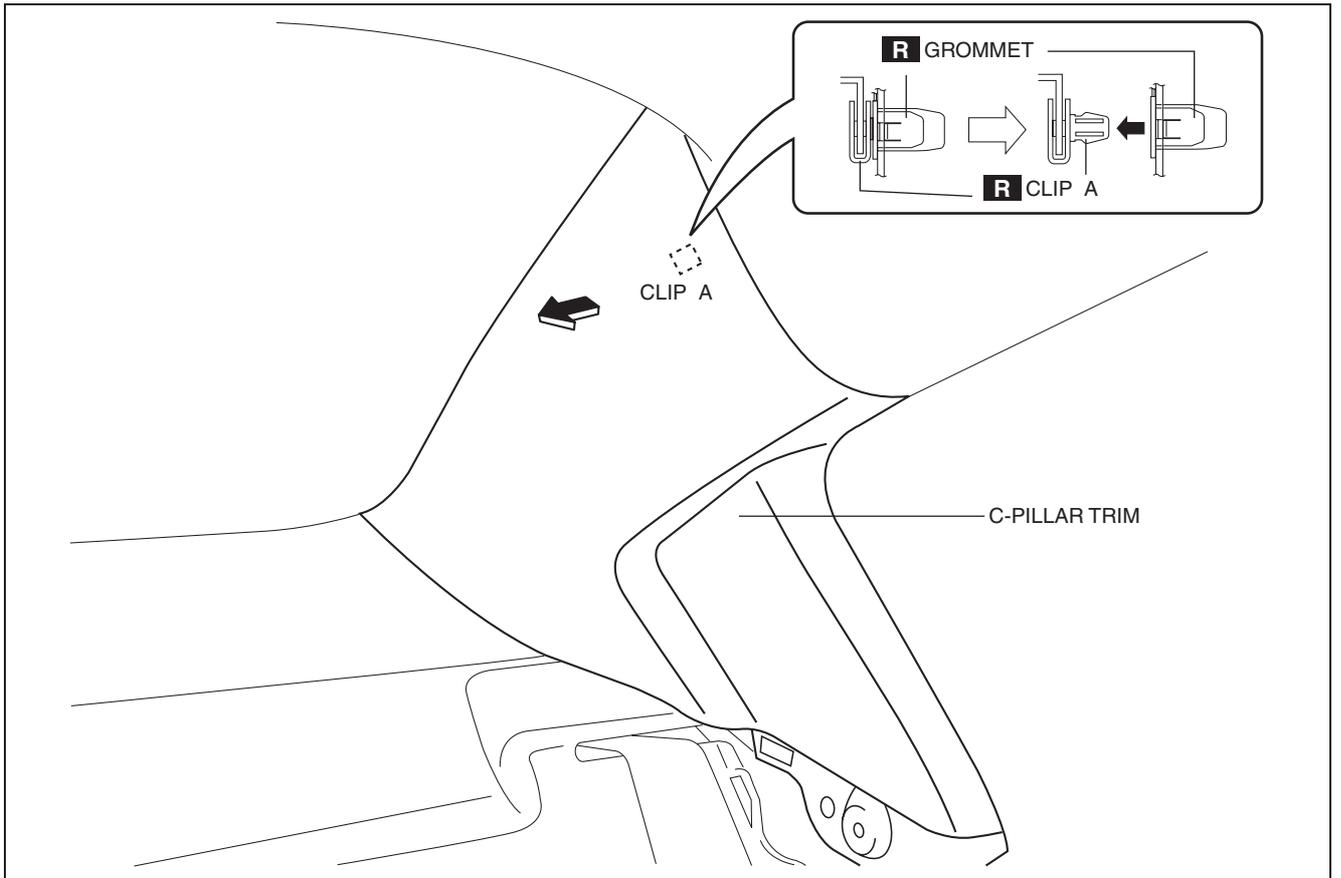
4SD

Removal

- Remove the rear scuff plate. (See 09-17-58 REAR SCUFF PLATE REMOVAL/INSTALLATION)
- Remove the rear seat cushion. (See 09-13-31 REAR SEAT CUSHION REMOVAL/INSTALLATION)
- Remove the tire house trim. (See 09-17-66 TIRE HOUSE TRIM REMOVAL/INSTALLATION [4SD])
- Partially peel back the seaming welt.

INTERIOR TRIM

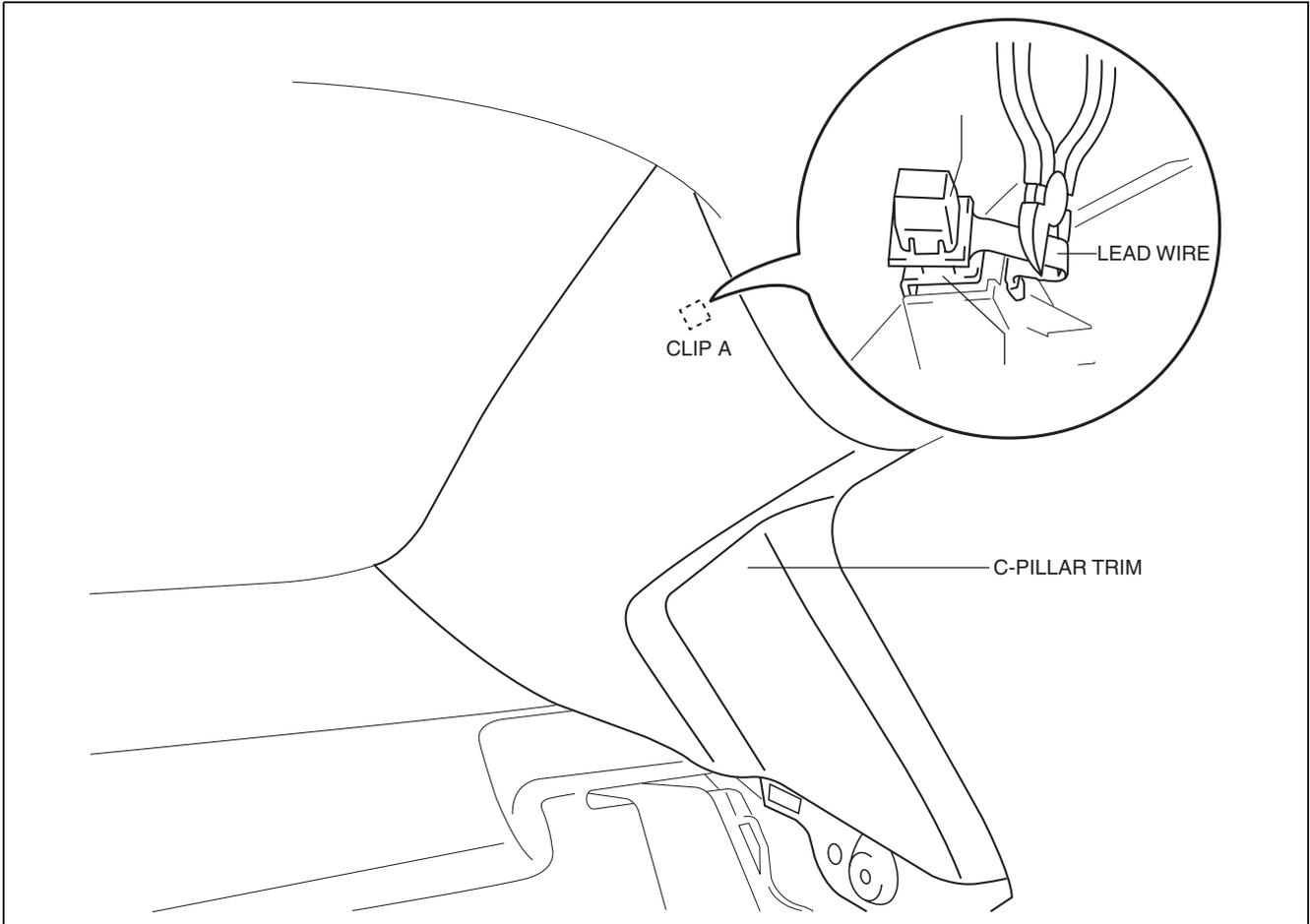
5. Pull the C-pillar trim in the direction of the arrow shown in the figure and remove clip A.



am2ccw000010

INTERIOR TRIM

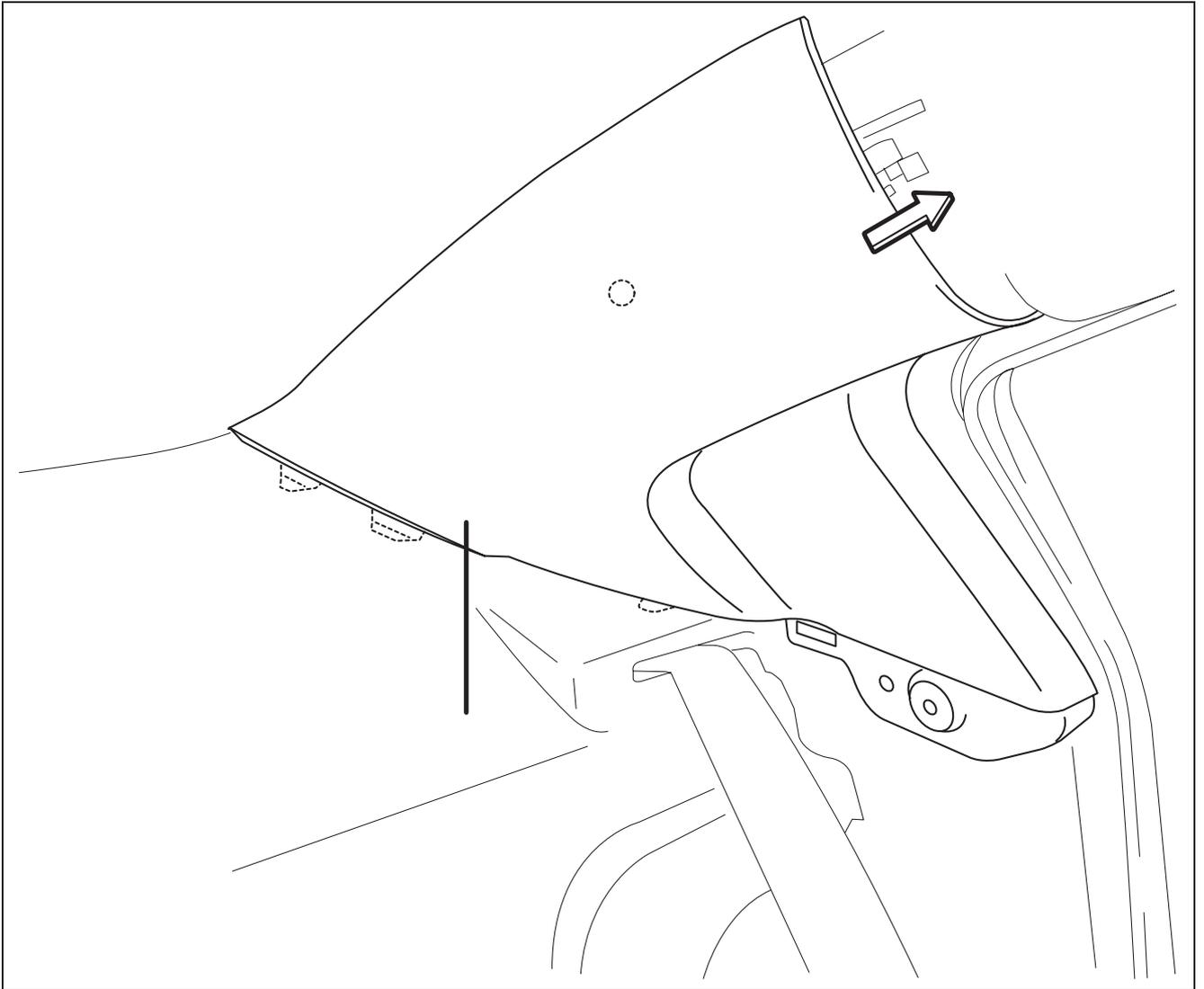
6. Cut the lead wire connecting clip A and grommet using a nipper.



am2ccw000016

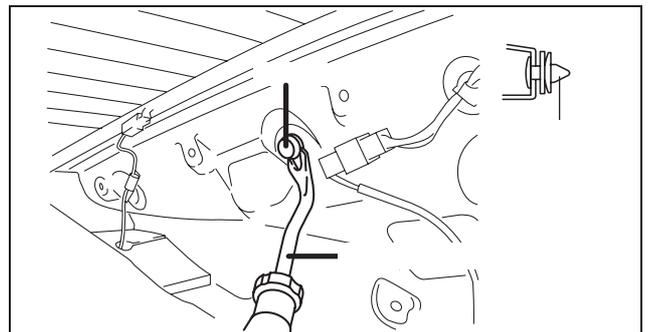
INTERIOR TRIM

7. Slide the C-pillar trim in the direction shown by the arrow in the figure and remove the C-pillar trim from clip B.



am2ccw0000010

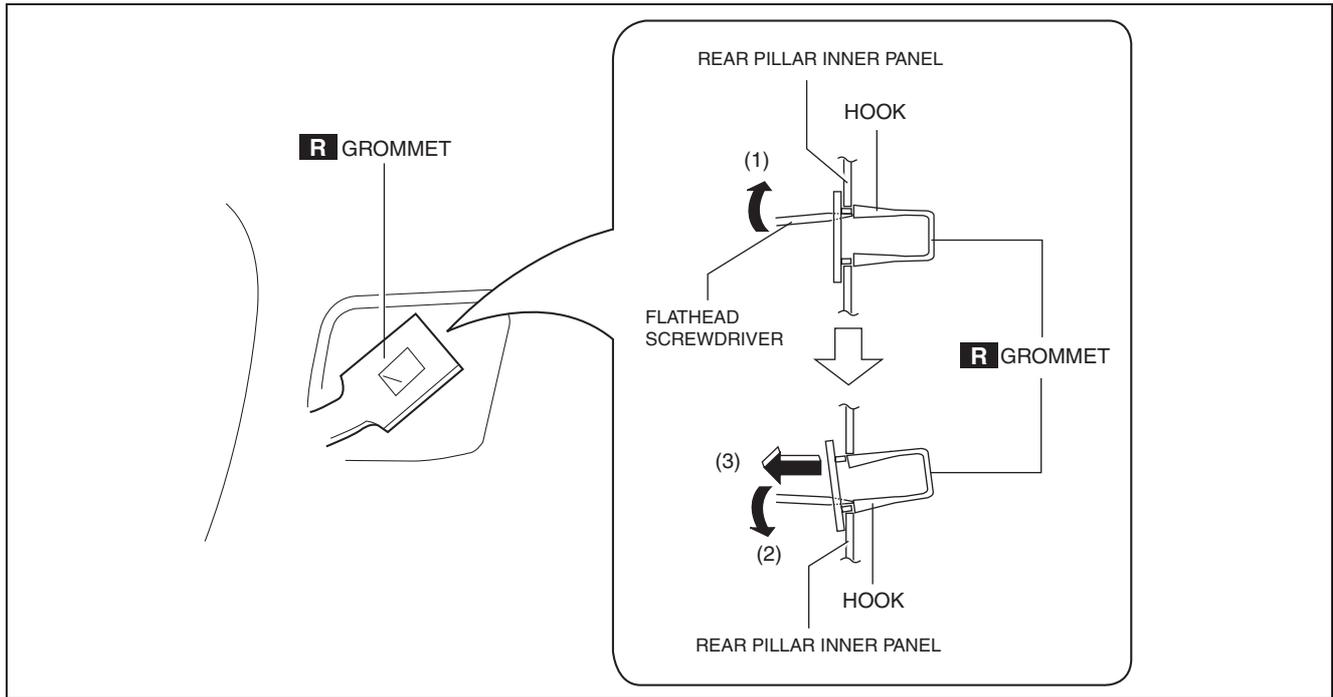
8. Remove the C-pillar trim.
9. Remove clip B from the positions shown in the figure using a fastener remover and install the C-pillar trim.



am2zzw0000503

INTERIOR TRIM

10. Move the hook in the direction of arrows (1) and (2) shown in the figure using a flathead screwdriver and detach it from the rear pillar inner panel.



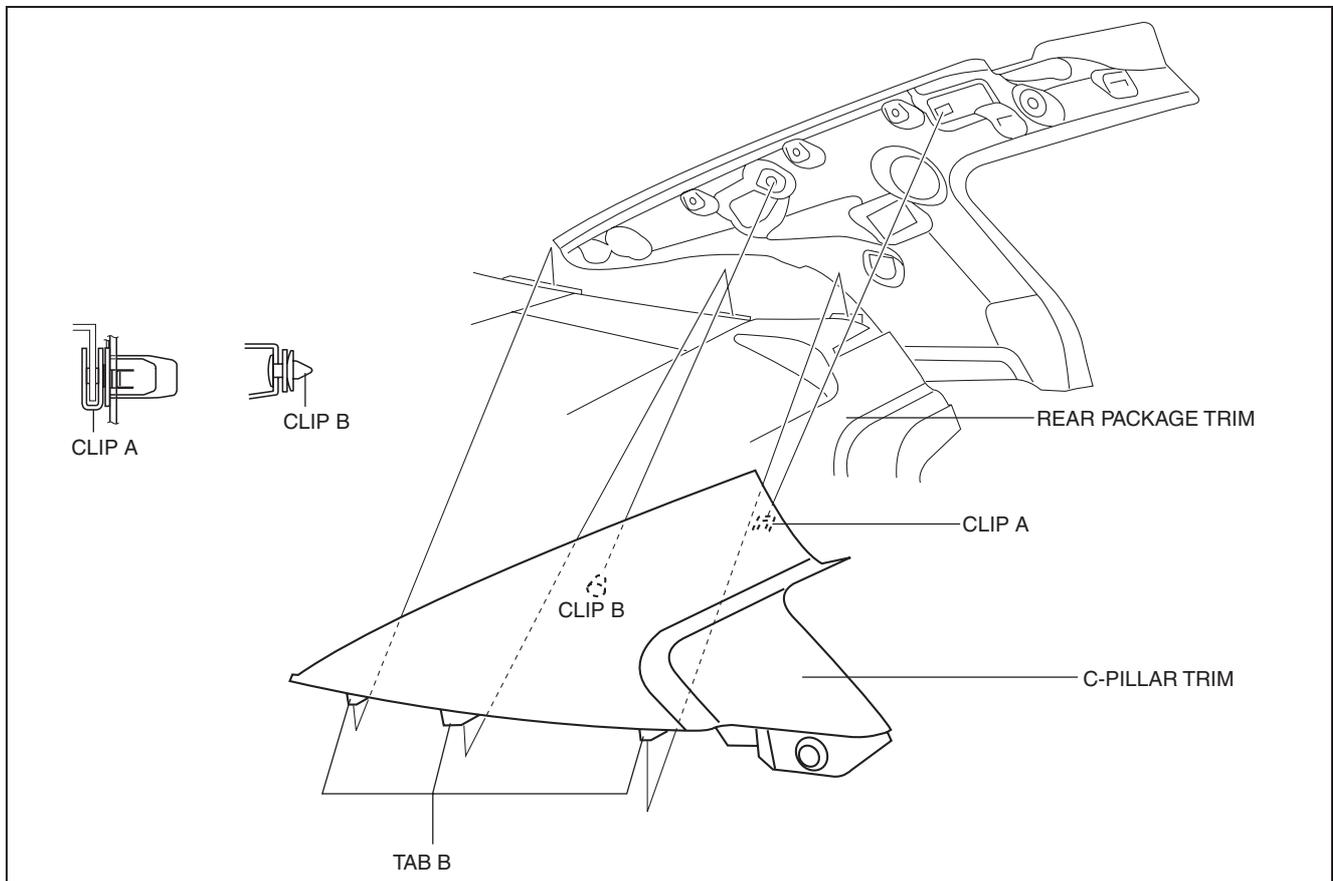
am2ccw000016

11. Remove the grommet in the direction of the arrow (3) shown in the figure.

12. When installing the C-pillar trim, install the new clip and new grommet to the C-pillar trim in advance.

Installation

1. Insert the tabs into the rear package trim in the positions shown in the figure.



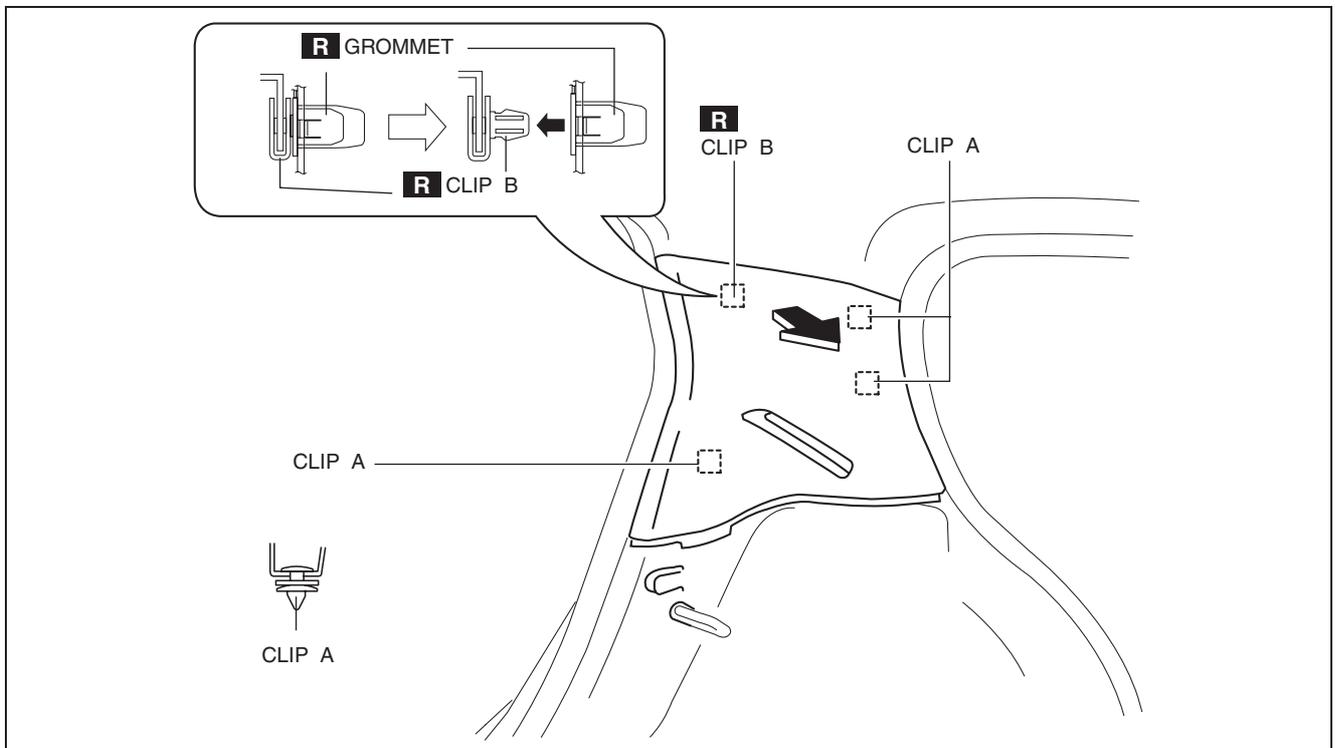
am2zzw0000503

INTERIOR TRIM

2. Install clip A and B to the body.
3. Install the tire house trim. (See 09-17-66 TIRE HOUSE TRIM REMOVAL/INSTALLATION [4SD].)
4. Install the rear seat cushion. (See 09-13-31 REAR SEAT CUSHION REMOVAL/INSTALLATION)
5. Install the rear scuff plate. (See 09-17-58 REAR SCUFF PLATE REMOVAL/INSTALLATION)

5HB

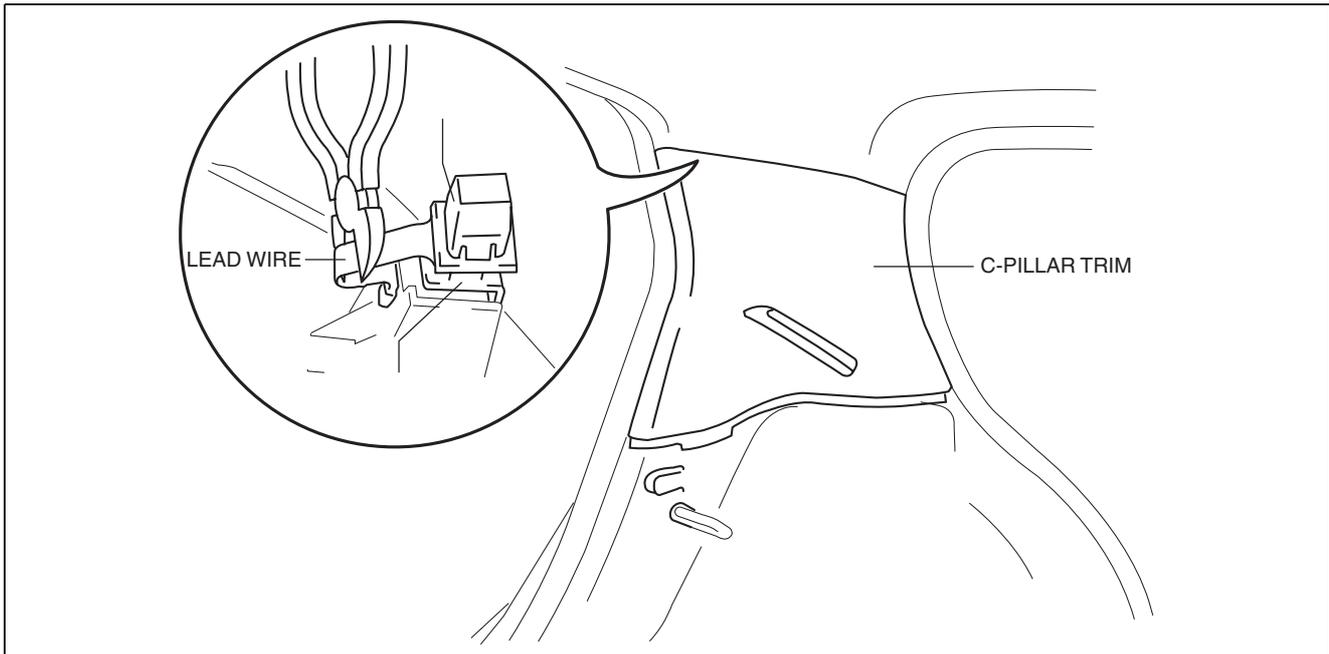
1. Remove the following parts:
 - (1) Rear scuff plate (See 09-17-58 REAR SCUFF PLATE REMOVAL/INSTALLATION)
 - (2) Rear seat back (See 09-13-26 REAR SEAT BACK REMOVAL/INSTALLATION [AutoAlliance (AAT) Thailand manufactured vehicles].) (See 09-13-27 REAR SEAT BACK REMOVAL/INSTALLATION [Except AutoAlliance (AAT) Thailand manufactured vehicles].)
 - (3) Rear seat cushion (See 09-13-31 REAR SEAT CUSHION REMOVAL/INSTALLATION)
 - (4) Lower anchor installation bolts of the rear seat belt (See 08-11-5 REAR SEAT BELT REMOVAL/INSTALLATION)
 - (5) Trunk end trim (See 09-17-75 TRUNK END TRIM REMOVAL/INSTALLATION)
2. Partially peel back the seaming welt.
3. Remove the trunk side trim. (See 09-17-70 TRUNK SIDE TRIM REMOVAL/INSTALLATION)
4. Pull the C-pillar trim in the direction of the arrow shown in the figure and remove it while detaching clips A and B.



am2zzw0000182

INTERIOR TRIM

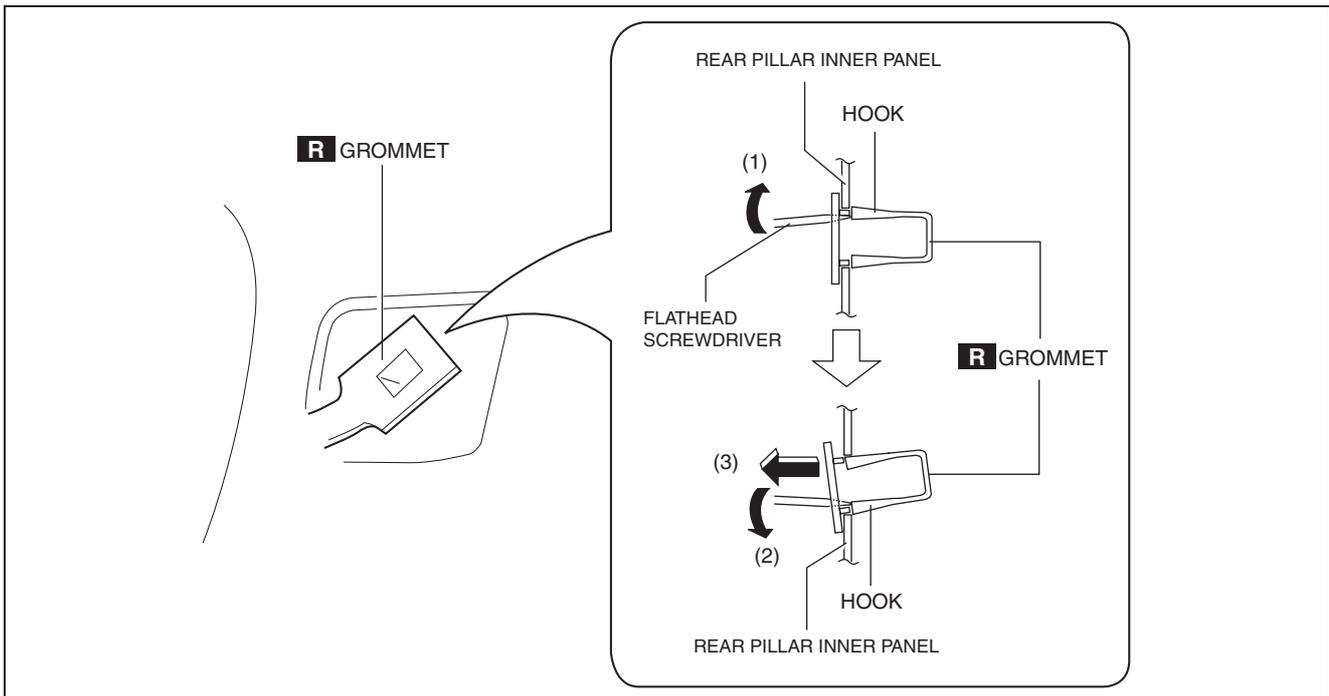
5. Cut the lead wire connecting clip B and grommet using a nipper.



am2zzw0000374

6. Pull out the rear seat belt lower anchor and remove the C-pillar trim.

7. Move the hook in the direction of arrows (1) and (2) shown in the figure using a flathead screwdriver and detach it from the rear pillar inner panel.



am2zzw0000181

8. Remove the grommet in the direction of the arrow (3) shown in the figure.

9. When installing the C-pillar trim, install the new clip and new grommet to the C-pillar trim in advance.

10. Install in the reverse order of removal.

C-PILLAR TRIM REMOVAL/INSTALLATION [3HB]

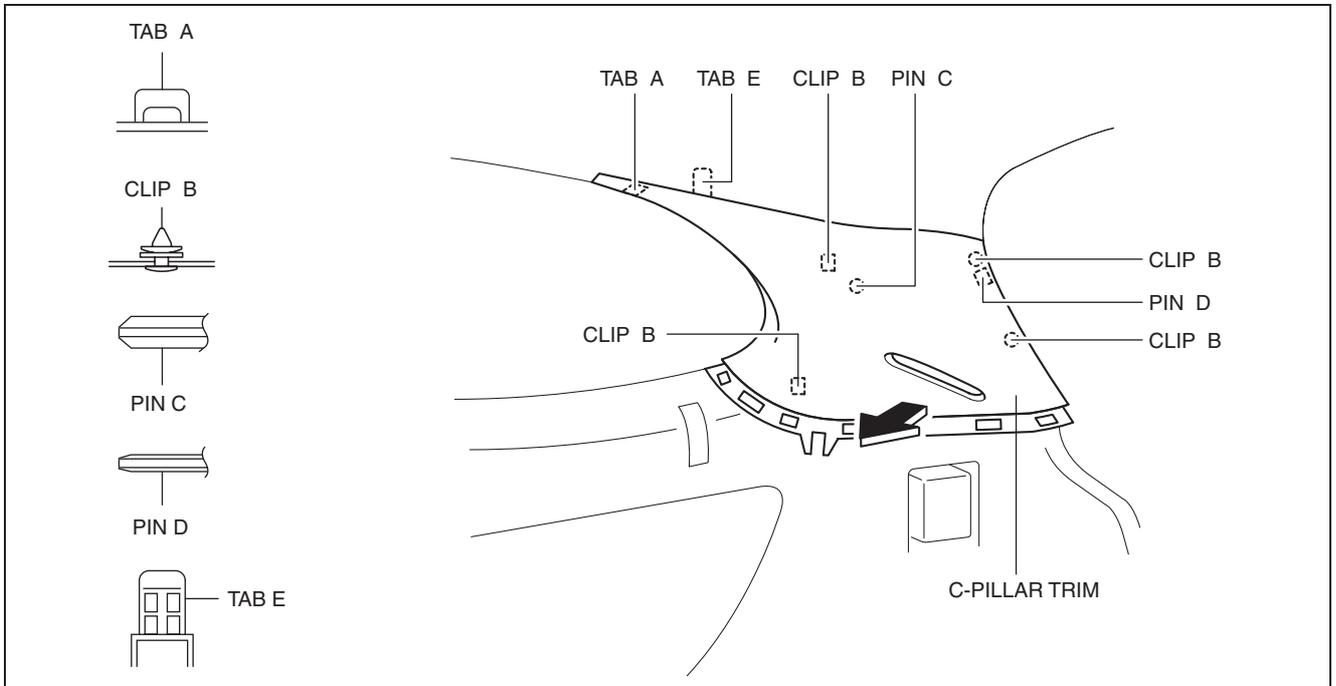
id0917004591z3

1. Remove the following parts:

- (1) Rear seat cushion (See 09-13-31 REAR SEAT CUSHION REMOVAL/INSTALLATION)
- (2) Rear seat back (See 09-13-26 REAR SEAT BACK REMOVAL/INSTALLATION [AutoAlliance (AAT) Thailand manufactured vehicles].) (See 09-13-27 REAR SEAT BACK REMOVAL/INSTALLATION [Except AutoAlliance (AAT) Thailand manufactured vehicles].)

INTERIOR TRIM

- (3) Lower anchor installation bolts of the rear seat belt (See 08-11-5 REAR SEAT BELT REMOVAL/INSTALLATION)
- (4) Trunk end trim (See 09-17-75 TRUNK END TRIM REMOVAL/INSTALLATION)
2. Partially peel back the seaming welt.
3. Remove the trunk side trim. (See 09-17-73 TRUNK SIDE TRIM REMOVAL/INSTALLATION [3HB])
4. Pull the C-pillar trim in the direction of the arrow shown in the figure and remove it while detaching tab A, clips B, pin C, pin D and tab E.



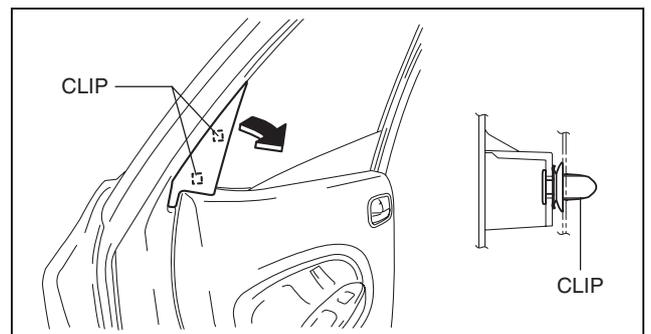
am2zzw0000341

5. Pull out the rear seat belt lower anchor and remove the C-pillar trim.
6. Install in the reverse order of removal.

SAIL INNER GARNISH REMOVAL/INSTALLATION

1. Grasp the upper end of the sail inner garnish, pull the sail inner garnish in the direction of the arrow shown in the figure, and remove it while detaching the clips.
2. Install in the reverse order of removal.

id091700467100



am2zzw0000184

FRONT SIDE TRIM REMOVAL/INSTALLATION

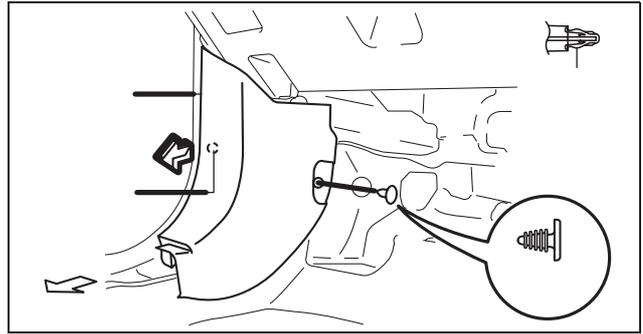
id091700459600

Driver-side

1. Remove the front scuff plate. (See 09-17-56 FRONT SCUFF PLATE REMOVAL/INSTALLATION)
2. Partially peel back the seaming welt.
3. Remove the fastener.

INTERIOR TRIM

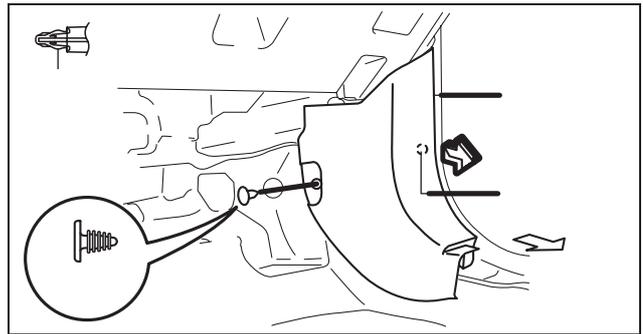
L.H.D.



am2zzw0000459

R.H.D.

4. Pull the front side trim in the direction of the arrow shown in the figure and remove it while detaching the clips.
5. Install in the reverse order of removal.



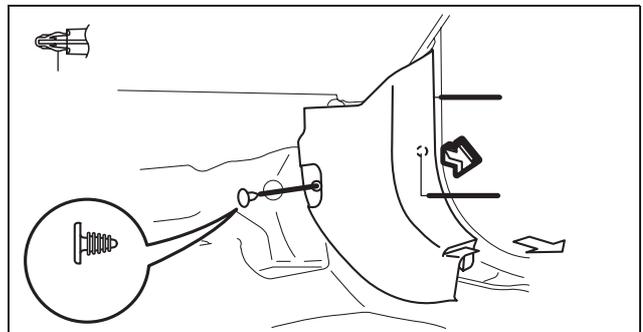
am2zzw0000459

Passenger-side

Vehicles without CVT

1. Remove the front scuff plate. (See 09-17-56 FRONT SCUFF PLATE REMOVAL/INSTALLATION)
2. Partially peel back the seaming welt.
3. Remove the fastener.

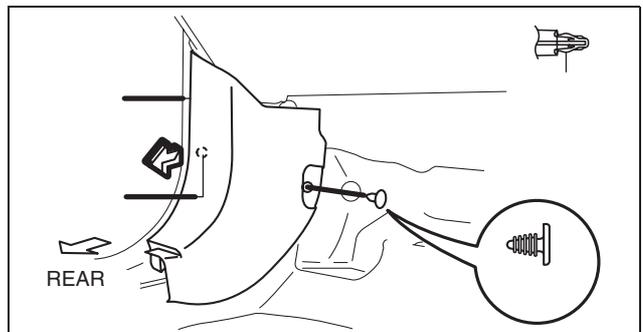
L.H.D.



adejjw00001828

R.H.D.

4. Pull the front side trim in the direction of the arrow shown in the figure and remove it while detaching the clips.
5. Install in the reverse order of removal.



adejjw00001829

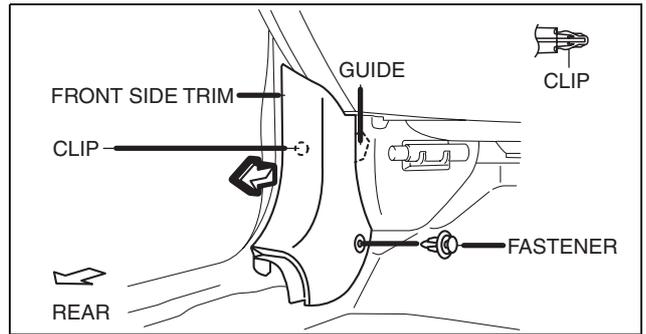
Vehicles with CVT

1. Remove the front scuff plate. (See 09-17-56 FRONT SCUFF PLATE REMOVAL/INSTALLATION)

09-17-54

INTERIOR TRIM

2. Partially peel back the seaming welt.
3. Remove the fastener.
4. Pull the front side trim in the direction of the arrow shown in the figure and remove it while detaching the clips.
5. Install in the reverse order of removal.



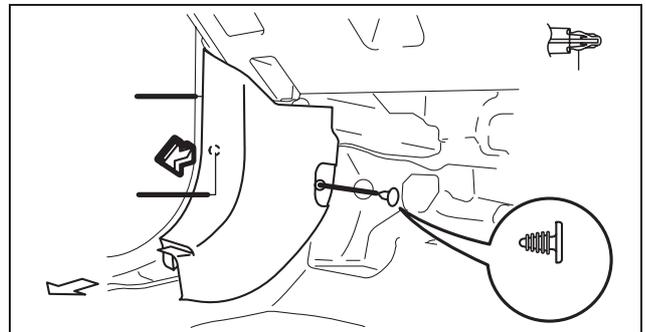
am2zzw0000446

FRONT SIDE TRIM REMOVAL/INSTALLATION [3HB]

id0917004596z3

1. Remove the front scuff plate. (See 09-17-57 FRONT SCUFF PLATE REMOVAL/INSTALLATION [3HB])
2. Partially peel back the seaming welt.
3. Remove the fastener.

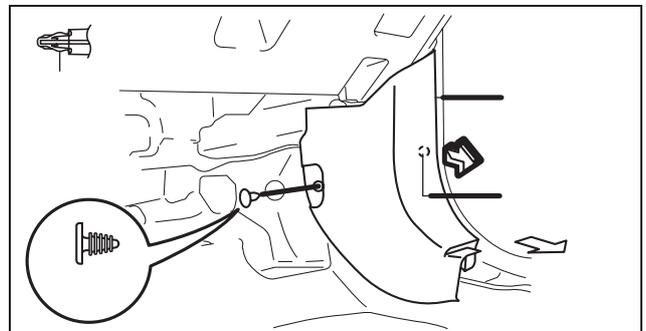
L.H.D.



am2zzw0000459

R.H.D.

4. Pull the front side trim in the direction of the arrow shown in the figure and remove it while detaching the clips.
5. Install in the reverse order of removal.

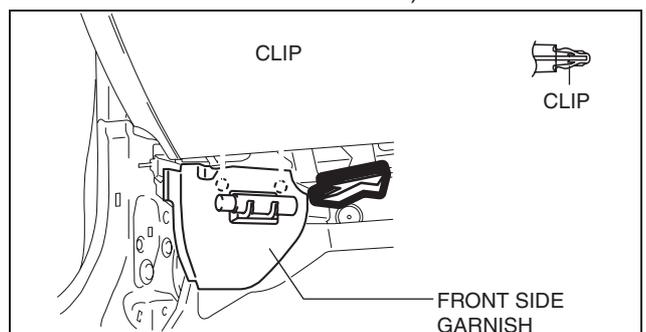


am2zzw0000460

FRONT SIDE GARNISH REMOVAL/INSTALLATION

id091700467400

1. Remove the front scuff plate. (See 09-17-56 FRONT SCUFF PLATE REMOVAL/INSTALLATION)
2. Remove the front side trim. (See 09-17-53 FRONT SIDE TRIM REMOVAL/INSTALLATION)
3. Pull the front side garnish in the direction of the arrow shown in the figure while remove the clips
4. Remove the front side garnish.
5. Install in the reverse order of removal.



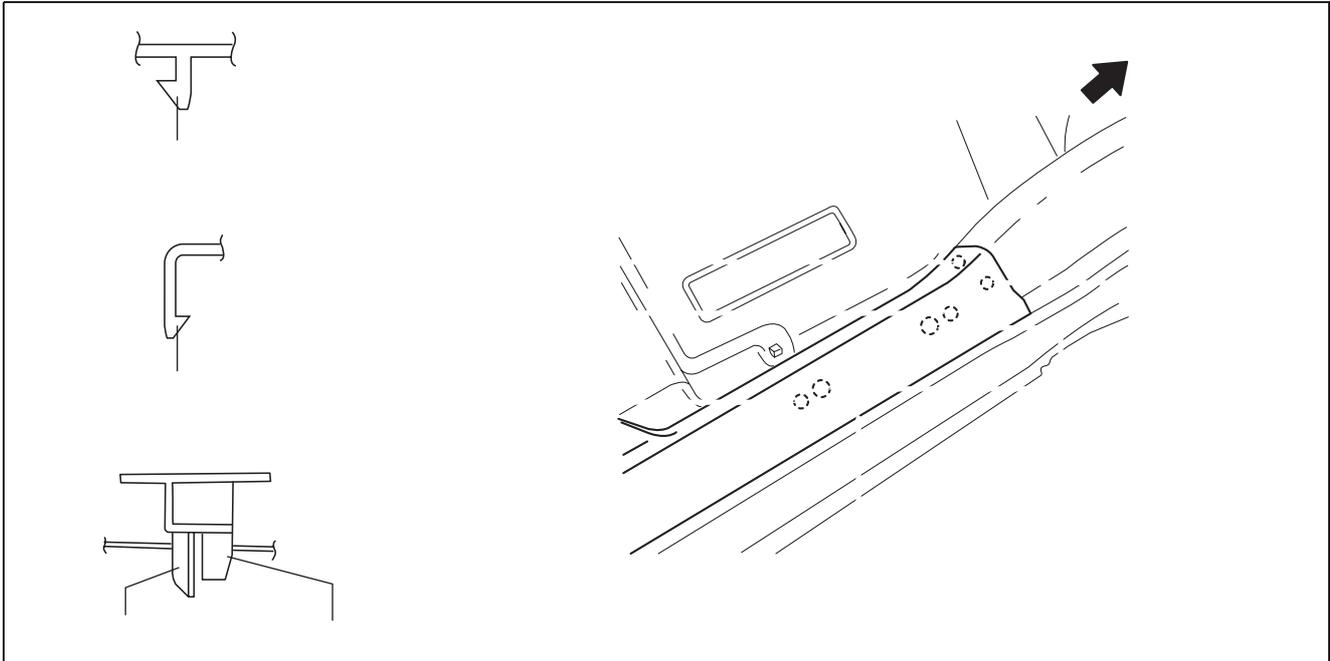
am2zzw0000442

INTERIOR TRIM

FRONT SCUFF PLATE REMOVAL/INSTALLATION

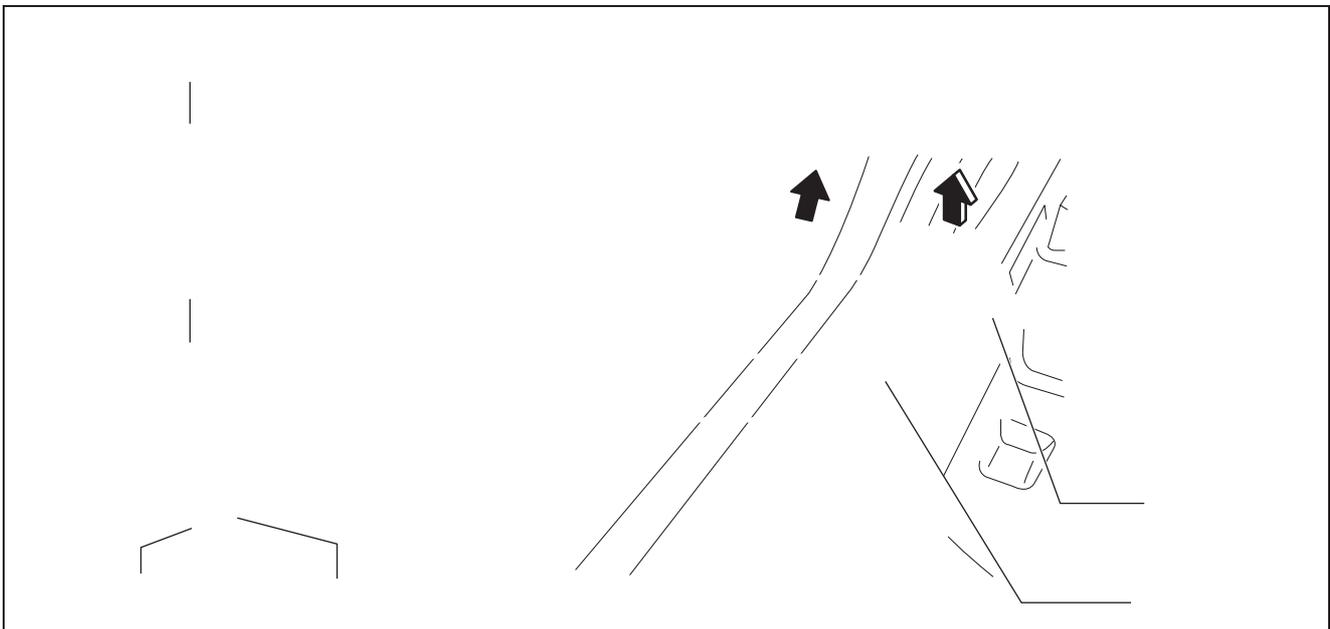
id091700457900

1. Detach tab A while pulling the front scuff plate in the direction of the arrow (1) shown in the figure, then detach tab B, pin C, and clip D while pulling in the direction of the arrow (2).



am2zzw0000460

2. Detach tab A while pulling the front scuff plate in the direction of the arrow (3) shown in the figure, pull the front scuff plate in the direction of the arrow (4), and remove it while detaching tab B, pin C, and clip D.



am2zzw0000460

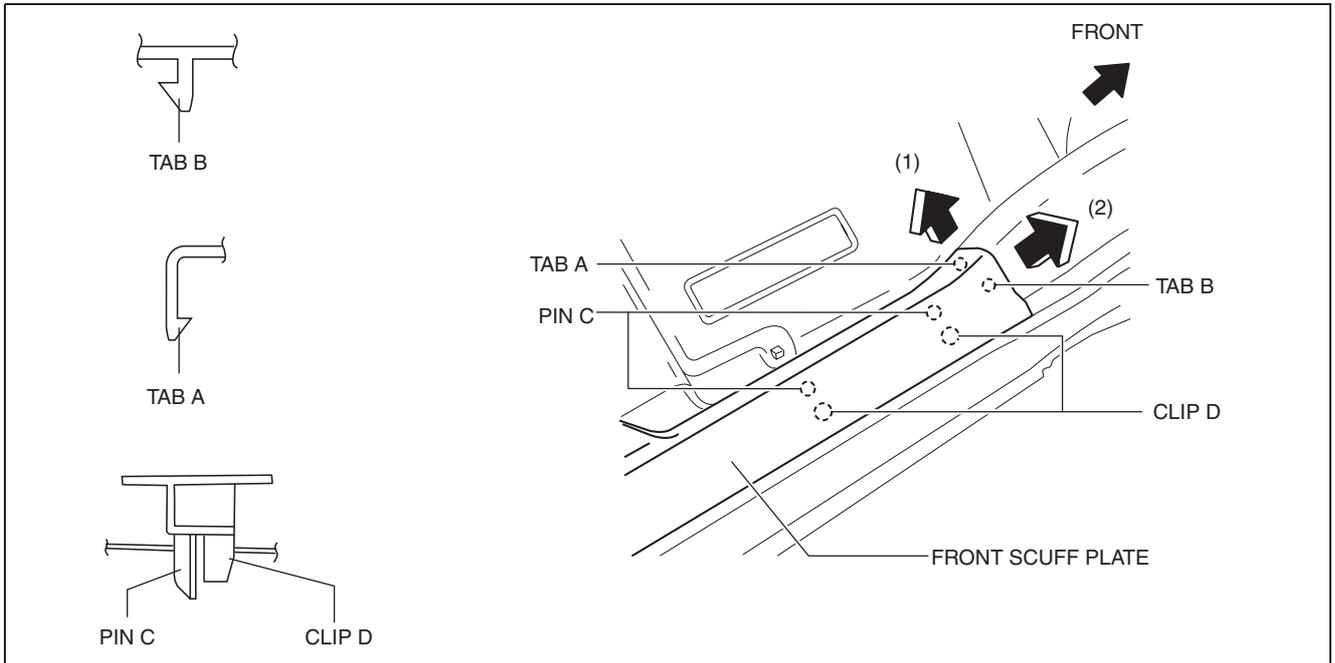
3. Install in the reverse order of removal.

INTERIOR TRIM

FRONT SCUFF PLATE REMOVAL/INSTALLATION [3HB]

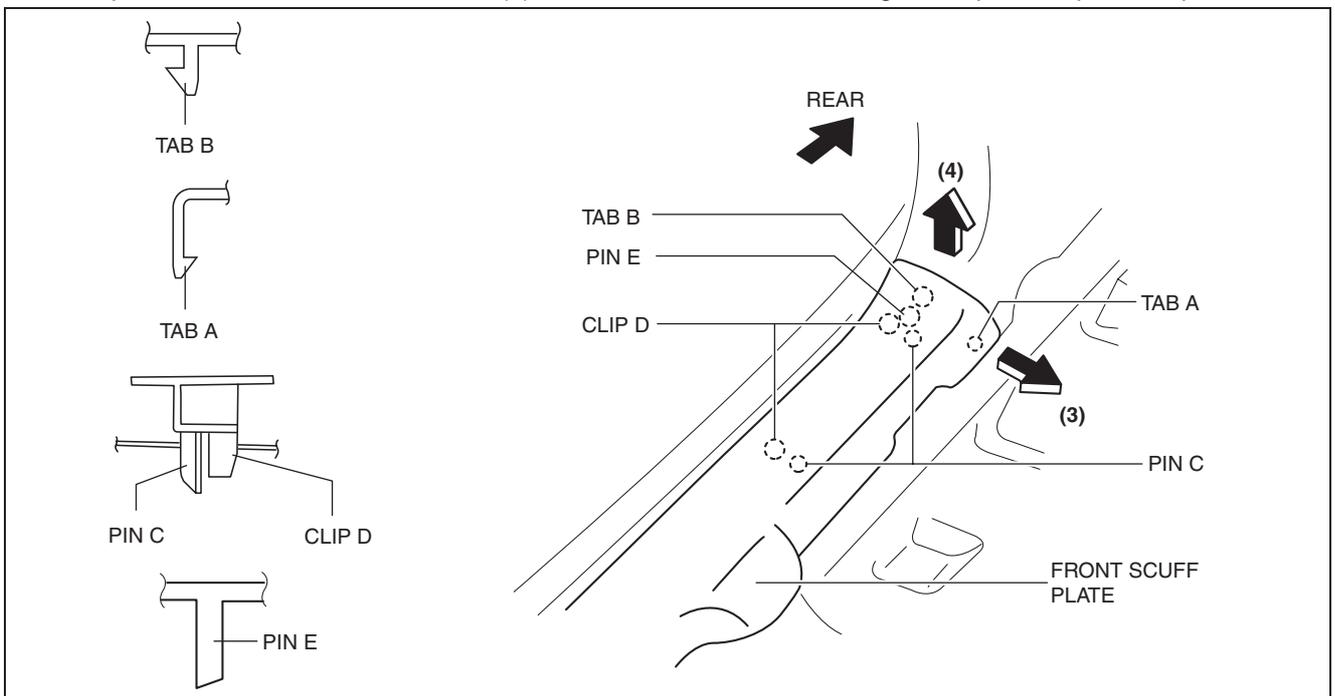
id0917004579z3

1. Detach tab A while pulling the front scuff plate in the direction of the arrow (1) shown in the figure, then detach tab B, pin C, and clip D while pulling in the direction of the arrow (2).



am2zzw0000460

2. Detach tab A while pulling the front scuff plate in the direction of the arrow (3) shown in the figure, pull the front scuff plate in the direction of the arrow (4), and remove it while detaching tab B, pin C, clip D, and pin E.



am2zzw0000460

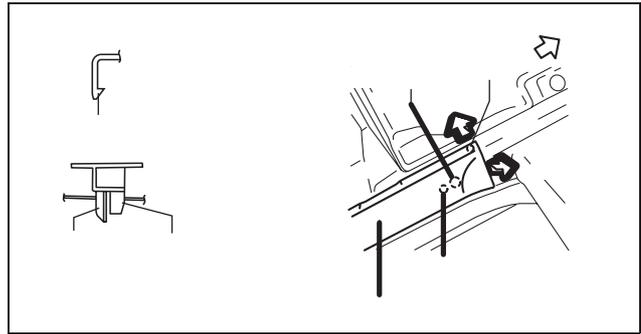
3. Install in the reverse order of removal.

INTERIOR TRIM

REAR SCUFF PLATE REMOVAL/INSTALLATION

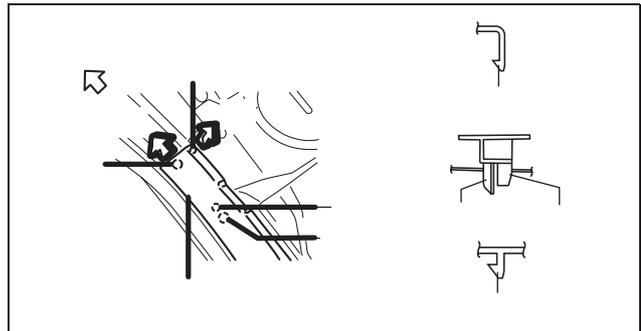
id091700458000

1. Detach tab A while pulling the rear scuff plate in the direction of the arrow (1) shown in the figure, then detach clip B, and pin C while pulling in the direction of the arrow (2).



am2zzw0000460

2. Detach tab A while pulling the rear scuff plate in the direction of the arrow (3) shown in the figure, pull the rear scuff plate in the direction of the arrow (4), and remove it while detaching clip B, pin C and tab D.
3. Install in the reverse order of removal.

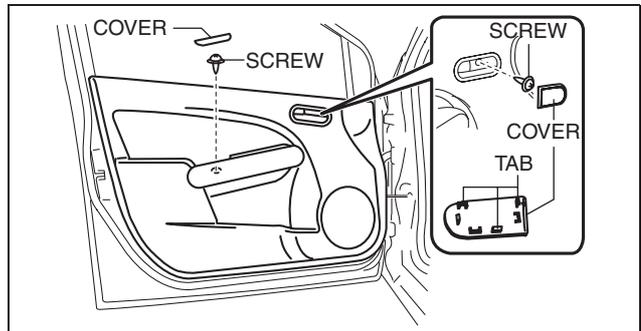


am2zzw0000460

FRONT DOOR TRIM REMOVAL/INSTALLATION

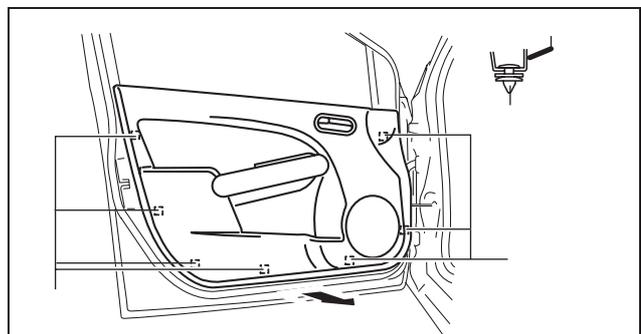
id091700459700

1. Disconnect the negative battery cable.
2. Remove the inner garnish. (See 09-17-34 INNER GARNISH REMOVAL/INSTALLATION)
3. Pull the cover of inner handle while remove the tabs.
4. Remove the cover.
5. Remove the screw.



am2zzw0000261

6. Pull in the direction of the arrow shown in the figure and remove clips A from the door inner panel using a fastener remover.



adejjw00003404