



Recall Bulletin



PRODUCT SAFETY RECALL

SUBJECT: Potential Floor Mat Interference with the Accelerator Pedal

MODELS: 2009-2010 Pontiac Vibe

CONDITION

Toyota has decided that a defect, which relates to motor vehicle safety, exists in **all** 2009 and 2010 model year Pontiac Vibe vehicles. The Pontiac Vibe was manufactured by New United Motor Manufacturing (NUMMI), a joint venture between Toyota and GM.

In these vehicles, there is the potential for an unsecured or incompatible driver's floor mat to interfere with the accelerator pedal and cause it to stick in the wide open (depressed) position. A stuck open accelerator pedal may result in very high vehicle speeds and make it difficult to stop the vehicle, which could cause a crash, serious injury, or death. This condition does not exist in vehicles in which the carpeted or original equipment driver side floor mat is compatible with the vehicle and properly secured.

CORRECTION

Dealers are to modify the accelerator pedal and the floor surface in the driver's foot-well. On vehicles equipped with Pontiac Vibe All Weather Floor Mats, the driver's floor mat will be replaced.

VEHICLES INVOLVED

Involved are **all** 2009-2010 model year Pontiac Vibe vehicles built within these VIN breakpoints:

Year	Division	Model	From	Through
2009	Pontiac	Vibe	9Z400001	9Z478598
2010	Pontiac	Vibe	AZ400001	AZ420785

Important: Dealers are to confirm vehicle eligibility prior to beginning repairs by using the Investigate Vehicle History link. Not all vehicles within the above breakpoints may be involved.

For dealers with involved vehicles, a listing with involved vehicles containing the complete vehicle identification number, customer name, and address information has been prepared and

will be provided to US and Canadian dealers through the GM GlobalConnect Recall Reports. Dealers will not have a report available if they have no involved vehicles currently assigned.

The listing may contain customer names and addresses obtained from Motor Vehicle Registration Records. The use of such motor vehicle registration data for any purpose other than follow-up necessary to complete this recall is a violation of law in several states/provinces/countries. Accordingly, you are urged to limit the use of this report to the follow-up necessary to complete this recall.

PARTS INFORMATION

This recall will require parts obtained from General Motors Customer Care and Aftersales, and three special tools that will be shipped to dealers at no-charge. See detailed information below.

Three special tools (cutting template, shape gauge, and tibia marking gauge) are required to complete this recall. Dealers who performed repairs on Pontiac Vibe vehicles under recall 10018 were shipped two sets of these tools from the Warranty Parts Center (WPC) at no charge via UPS Ground Delivery – Attention: Parts Manager, beginning May 25, 2010. If needed, additional special tools sets can be obtained by faxing a request to the WPC at 248-371-0192. Include your physical shipping address and a contact person's name and telephone number on the request. Be sure to ask for Part Number WPC 537.

Other parts required to complete this recall that are to be obtained from General Motors Customer Care and Aftersales (GMCC&A) are listed below. Please refer to your “involved vehicles listing” before ordering parts. Normal orders should be placed on a DRO = Daily Replenishment Order. In an emergency situation, parts should be ordered on a CSO = Customer Special Order.

Dealers should order PN 22745618, All-Weather Floor Mat, as normal through General Motors Customer Care and Aftersales (GMCC&A). ADI's will not be allowed to order this part, so they will not have it in their stock. The mat will be shipped direct to the ordering dealer from the supplier.

Parts required for this recall will not be eligible for RIM.

Part Number	Description	Quantity/Vehicle
19205346*	Pedal, Accel (w/Posn Sen) (New Design)	1 (If Req'd)
19205347	Insulator, Da Pnl	1 (If Req'd)
89027403	Protector, F/Flr Pnl Cpt	1
22745618 (not available until 8/16/10)	Driver-Side All-Weather Floor Mat	1 (If Req'd)

* This pedal is not to be installed unless the pedal modification in this bulletin has been performed and the customer returns requesting a new pedal. This pedal is NOT to be modified. Refer to SI for the appropriate accelerator pedal assembly replacement procedure.

SERVICE PROCEDURE

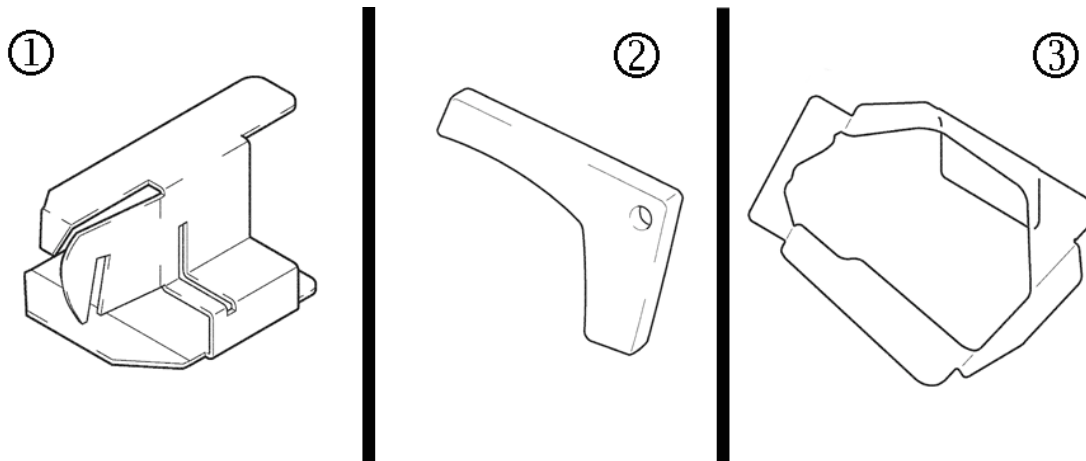
Tools, Equipment, and Materials

- Dust Mask
- Hair Dryer or Heat Gun
- Hand File
- Orbital Sander*
- Hack-Saw
- Protective Eyewear
- Protective Work Gloves
- Bubble Wrap
- Shop Cloth
- Masking Tape
- Sandpaper – 400 Grit
- Reciprocating Saw*
- Scribe
- Air Saw
- Standard Hand Tools
- Tech 2®
- Torque Wrench
- Workbench with Vise

* Dealers will be allowed to purchase one orbital sander and one reciprocating saw. Refer to the tool information below.

<u>Reciprocating Saw</u>	<u>Orbital Sander</u>
Manufacturer — Dewalt	Manufacturer — Dewalt
Model: DW304D	Model: D26451
Single Blade: 127 mm (5 in) 18 TPI	Disk Pack: 127 mm (5 in) Hook and Loop

Gas Pedal Template & Gauges (shipped from the WPC)



(1) Cutting Template (2) Shape Gauge (3) Tibia Marking Gauge

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All-Weather Floor Mat Inspection

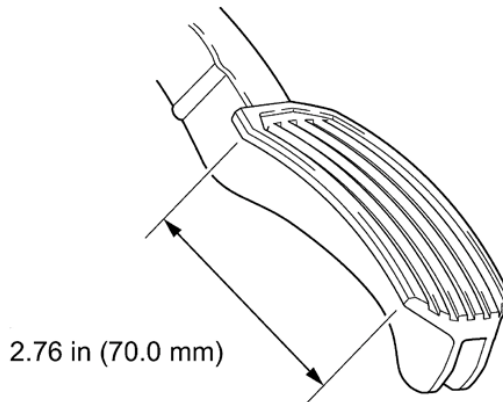


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1. Determine if the vehicle is equipped with GM All-Weather Floor Mats (AWFM).
 - If the vehicle is equipped with Pontiac Vibe AWFM, remove the driver-side floor mat and install the new design driver's floor mat. The new design mat will be available August 16, 2010. If this recall is performed before the new design mat is available, place the driver-side floor mat in the trunk of the vehicle. Inform the customer to leave the floor mat in the trunk of the vehicle and to contact the dealership on or after August 16, 2010, to exchange the old design floor mat for a new design floor mat. Proceed to the *Remove and Cut the Accelerator Pedal* procedure below.
 - If the vehicle is not equipped with Pontiac Vibe AWFM, proceed to the *Remove and Cut the Accelerator Pedal* procedure below.

Remove and Cut the Accelerator Pedal

Note: There are service repair videos available at GMTraining.com (US), gmprocanada.com under the "resources" menu (Canada). These videos will demonstrate the key service repair steps in this bulletin. It is advised that all technicians review these videos before performing this repair.



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Note: Do NOT modify the second design accelerator pedal, P/N 19205346. Second design pedals do NOT require the pedal modifications provided in safety recall bulletins 10018 and 10038. To determine if the vehicle is equipped with a second design accelerator pedal, measure the length of the accelerator pedal in the area indicated in the arrow span. Refer to the illustration.

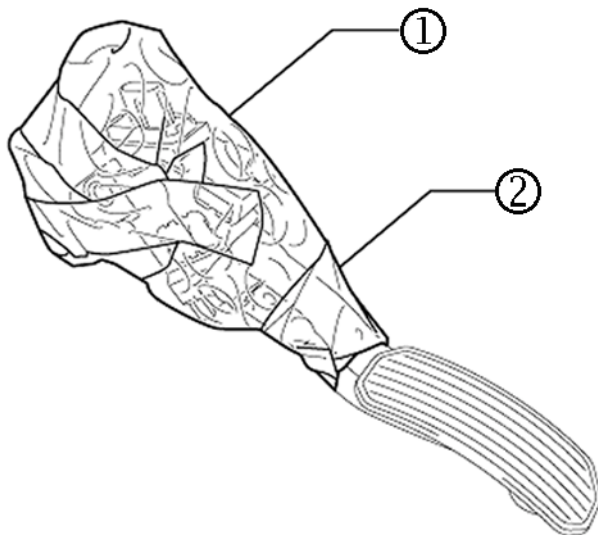
- If the length of the accelerator pedal in the arrow span area is 70 mm (2.76 in), the accelerator pedal has been modified or is a second design pedal. Do NOT modify the accelerator pedal. Proceed to the *Floor Carpet Modification* procedure in this bulletin
- If the length of the accelerator pedal in the arrow span area is longer than 70 mm (2.76 in), the accelerator pedal has NOT been modified and is a first design accelerator pedal. Proceed to the next step.

Caution: Accelerator Pedal Handling Notes:

- **DO NOT drop**
- **Avoid vibration and shock**
- **DO NOT place sensor in vise.**
- **Cover and uncover the sensor while in the vehicle to prevent damage and debris from entering**
- **DO NOT reuse an accelerator pedal that has been dropped**

Note:

- For additional information on accelerator pedal removal, please refer to SI.
- Be sure to use bubble wrap to protect the sensor.
- Be sure to seal the bubble wrap with masking tape to prevent damage to the sensor, and cutting debris from entering the pedal's movable lock.
- DO NOT reuse the bubble wrap.

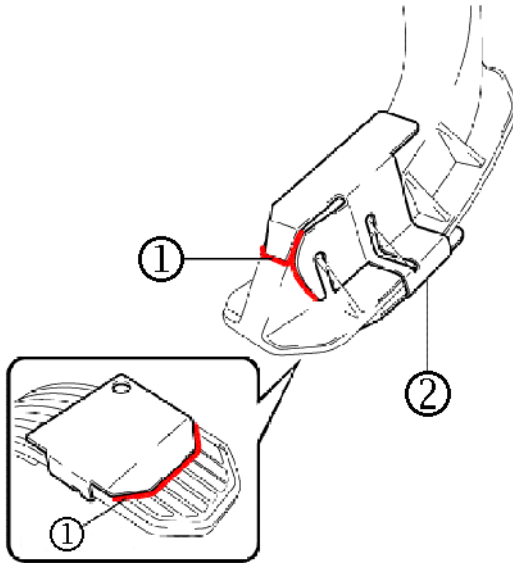


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1. Remove the accelerator pedal assembly.
 - 1.1. Disconnect the accelerator pedal connector.
 - 1.2. Remove the 2 bolts.
 - 1.3. While still inside the vehicle, use bubble wrap (1) and masking tape (2) to cover and protect the sensor.

Note:

- DO NOT mark the area beyond the template.
- Use a flat tip screwdriver or marker if a scribe is not available.
- Never cut or sand the pedal while the template is on the pedal.

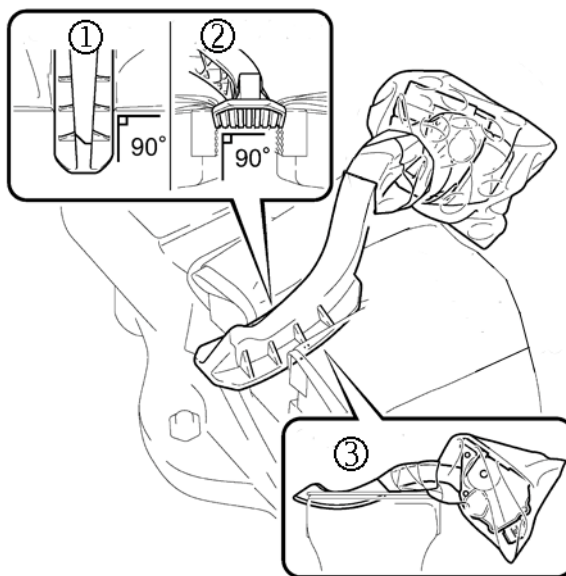


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2. Mark the area to be cut. Firmly set the template (2) to the pedal and scribe guidelines (1) to outline the area to be cut.

Note:

- DO NOT place the sensor in the vise to avoid damage.
- Firmly secure the pedal to prevent it from moving.
- DO NOT over tighten the vise.



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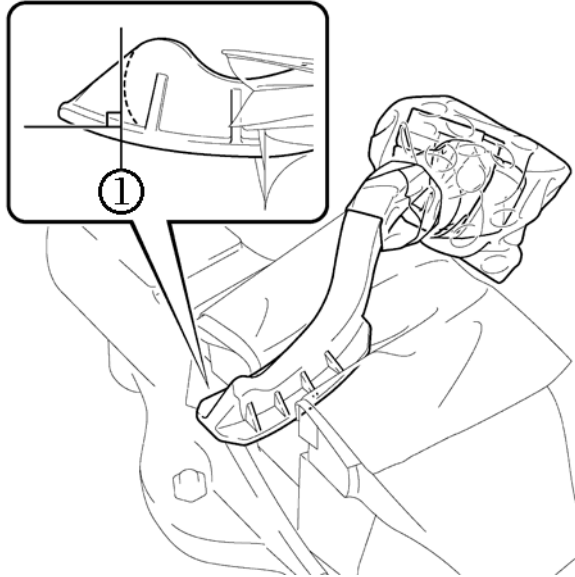
(1) Upper View (2) Tip Side View (3) Side View

3. Set the pedal in the vise at a right angle using a shop cloth while avoiding the sensor.

Note:

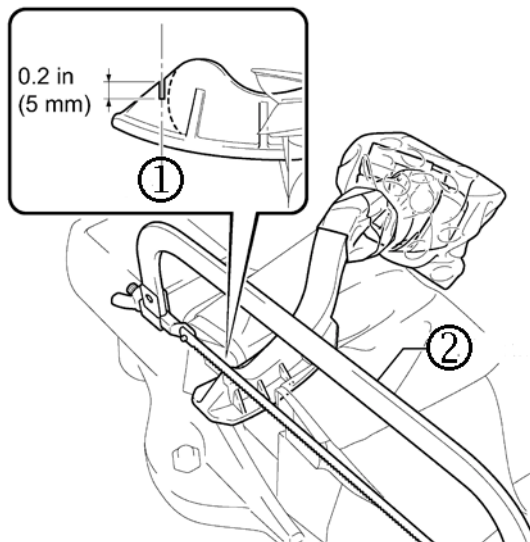
- Always wear protective eyewear and gloves when cutting and sanding.
- Guide cut must be straight and clean.

4. Cut lower section accelerator pedal assembly.



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- 4.1. The cut line (1) is slightly outside from the scribed line and it makes 90 degree to the pedal foot pad as shown in the illustration.



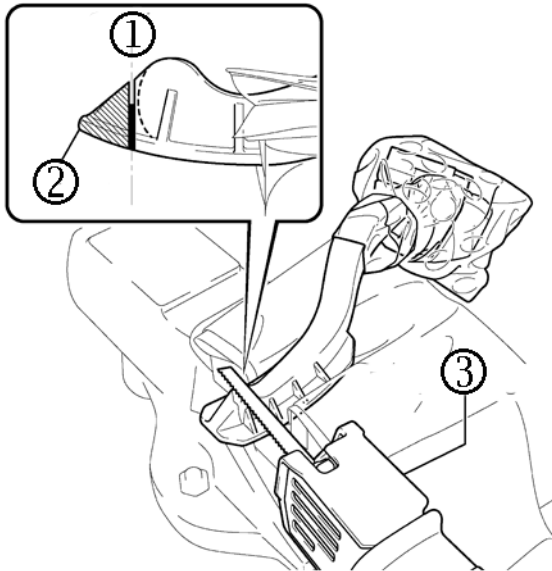
2443081

- 4.2. Use a hack-saw (2) and cut the pedal 5 mm (0.2 in) deep (1) as guide groove for reciprocating saw.

Note:

- Always wear protective eyewear and gloves when cutting and sanding.
- The cut must be straight and clean.
- Apply consistent pressure during cutting.
- Do not stop during the cutting process.

4.3. Use a reciprocating saw and cut off the lower section of the pedal as shown in the illustration.

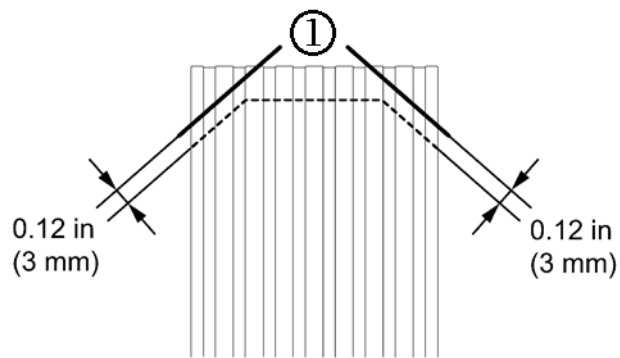


2443082

(1) Cut Line (2) Cut Area (3) Reciprocating Saw

Note: Do not cut at the scribed line. This area will be sanded later.

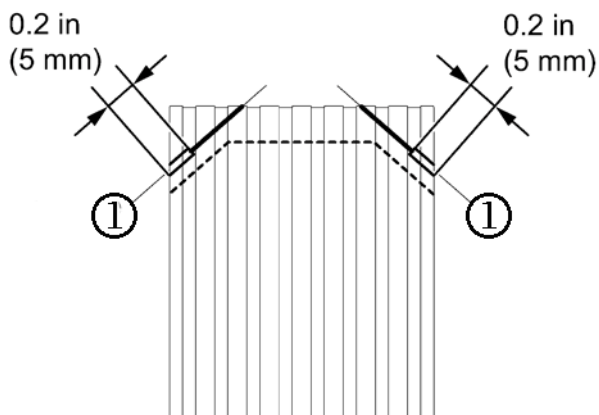
5. Cut corners of accelerator pedal assembly.



2443083

Note:

- Always wear protective eyewear and gloves when cutting and sanding.
- Guide cut must be straight and clean.

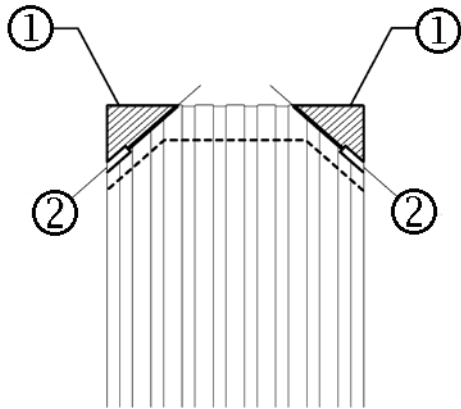


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- 5.1. Turn the pedal over in the vise with the foot pad facing up.
- 5.2. The cut line (1) is 3 mm (0.12 in) outside from the scribed line as shown in the illustration.
- 5.3. Use a hack-saw and cut the pedal 5 mm (0.2 in) deep as a guide groove (1) for the reciprocating saw.

Note:

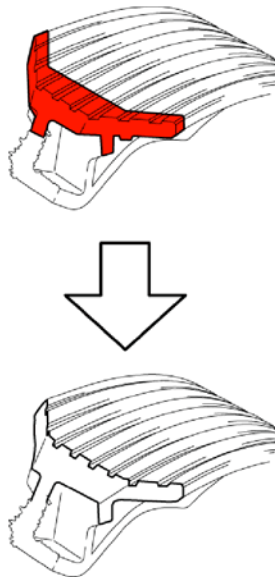
- Always wear protective eyewear and gloves when cutting and sanding.
- The cut must be straight and clean.
- Apply consistent pressure during cutting.
- Do not stop during the cutting process.



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(1) Cut Area (2) Cut Line

5.4. Use a reciprocating saw and cut off the accelerator pedal's corners as shown in the illustration.



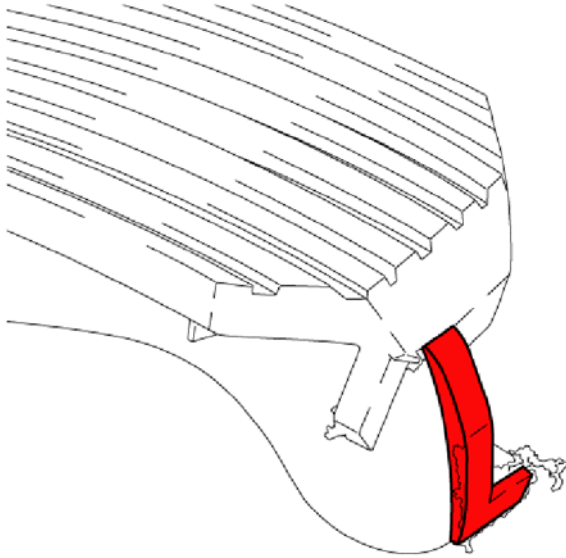
2443087

6. Sand the top surface.

Note:

- Always wear protective eyewear and gloves when cutting and sanding.
- Guide cut must be straight and clean.

6.1. Using orbital sander, sand to the scribed line on the top surface and remove any sharp edges and burrs. Be sure to sand the foot pad round and not flat.



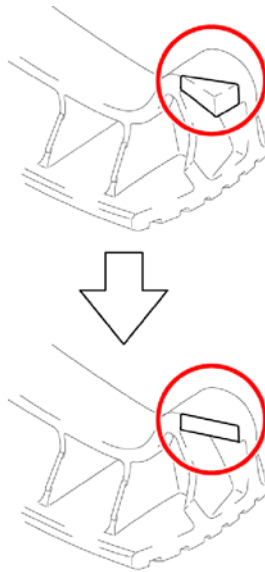
2443089

7. Sand the radius line.

Note:

- Always wear protective eyewear and gloves when cutting and sanding.
- Guide cut must be straight and clean.

7.1. Using orbital sander, sand to the scribed radius line and remove any sharp edges and burrs.



2443090

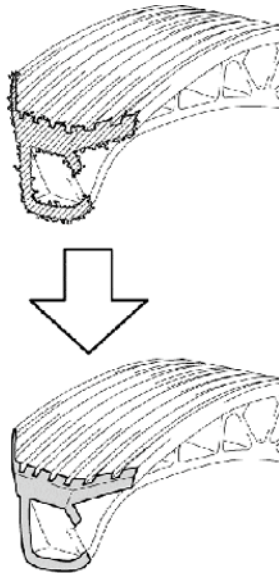
Caution: DO NOT sand pedal stopper area (circled) as shown in illustration.

8. Sand the lower corner near pedal stopper.

8.1. Remove the pedal from the vise. Turn the pedal over with the foot pad facing down and set pedal in the vise using a shop cloth while avoiding the sensor.

Note: Always wear protective eyewear and gloves when sanding.

8.2. Using an orbital sander and hand file, sand the lower corner near pedal stopper.



2443091

9. Remove all burrs from the cut surfaces.

Note:

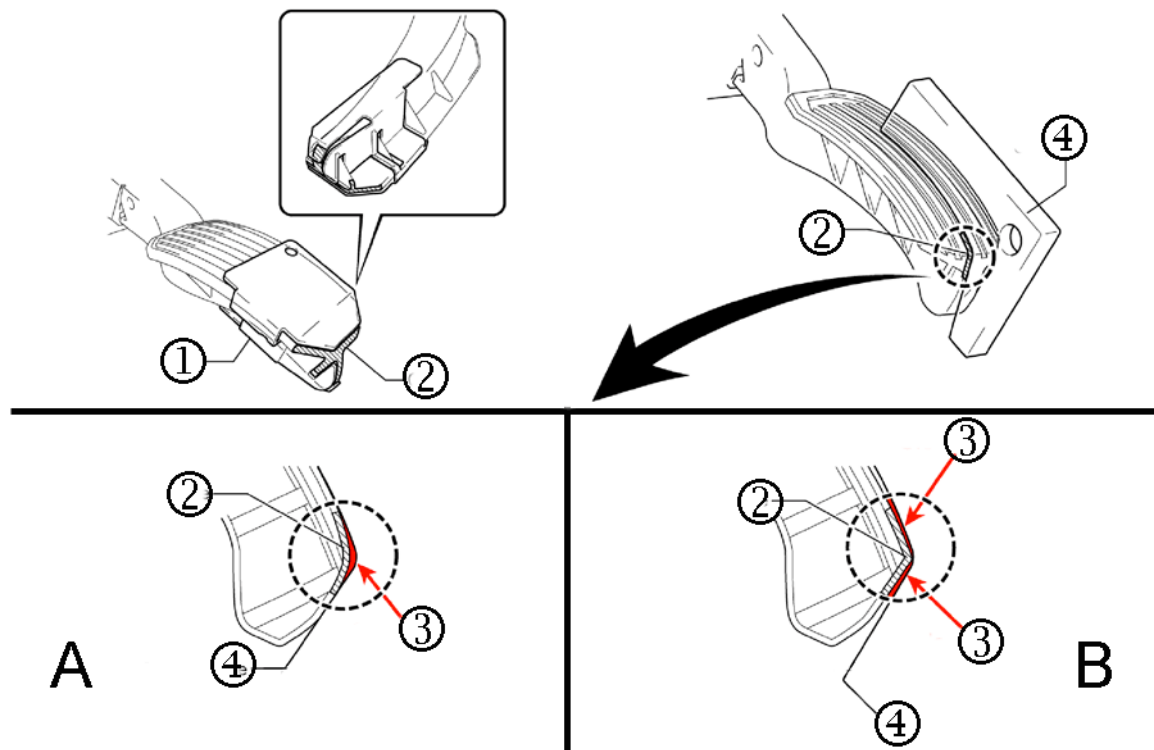
- Always wear protective eyewear and gloves when sanding or filing.
- DO NOT place the sensor in the vise to avoid damage.
- Firmly secure the pedal to prevent it from moving.
- DO NOT over tighten the vise.

9.1. Remove the pedal from the vise.

9.2. Turn the pedal over with the foot pad facing up and set the pedal in the vise using a shop cloth while avoiding the sensor.

9.3. Using an orbital sander and file, remove all burrs from the cut surfaces. The cut edges along the foot pad should be rounded and not square.

9.4. Finish the cut surface and all edges with 400 grit sandpaper.



2443922

(A) OK (B) No Good (1) Cutting Template (2) Cutting Surface (3) Clearance (4) Shape Gauge

10. Check the shape of the pedal.

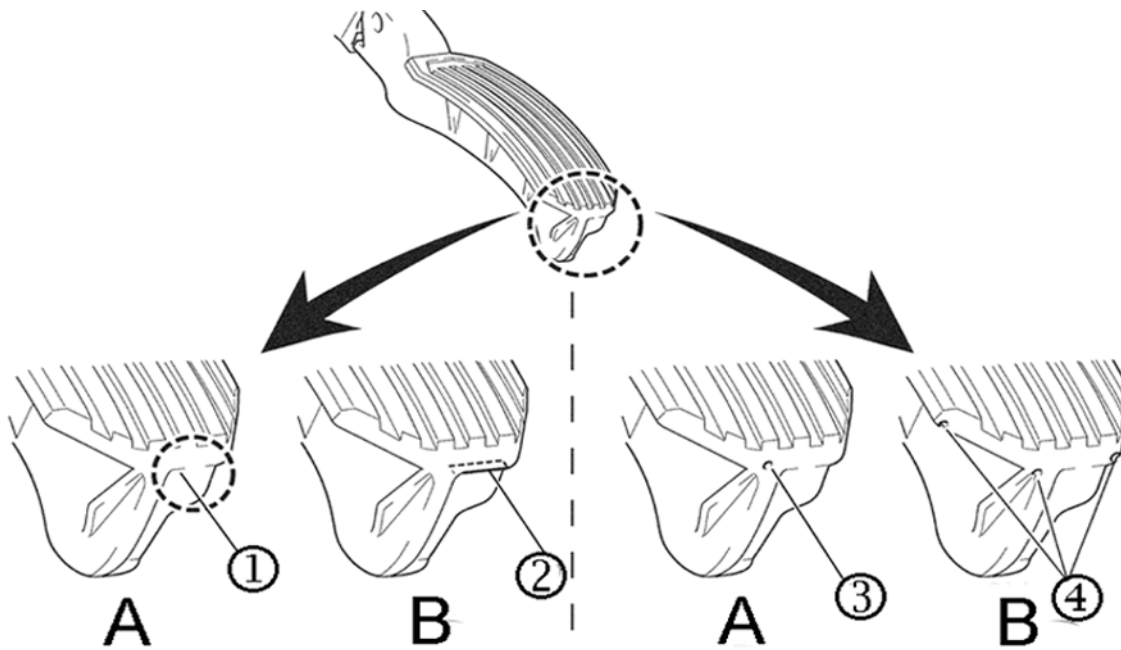
Note:

- Always wear protective eyewear and gloves when sanding or filing.
- A tolerance of -1.0 mm is permissible between the final cut surface and the template.
- Regarding the pin hole, the key point of judgment is a "smooth pedal surface".

10.1. Using the correct cutting template and shape gauge, check the shape of the pedal.

10.2. If the shape does NOT match the template and/or gauge, continue filing.

10.3. If the shape matches the template and gauge, touch the cut surface with your hand to verify it is smooth and free of burrs.



2443918

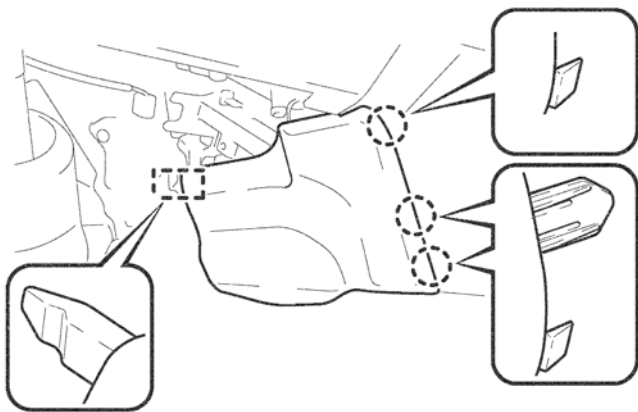
(A) OK (B) No Good (1) No Rib (2) Rib (3) Pin Hole (4) Chip or Nick

10.4. Check for a rib as shown. If there is a rib, file it until it is gone.

10.5. Check for any chips or nicks on the finished surface edge. If there are any chips or nicks, file the edge to make them smooth.

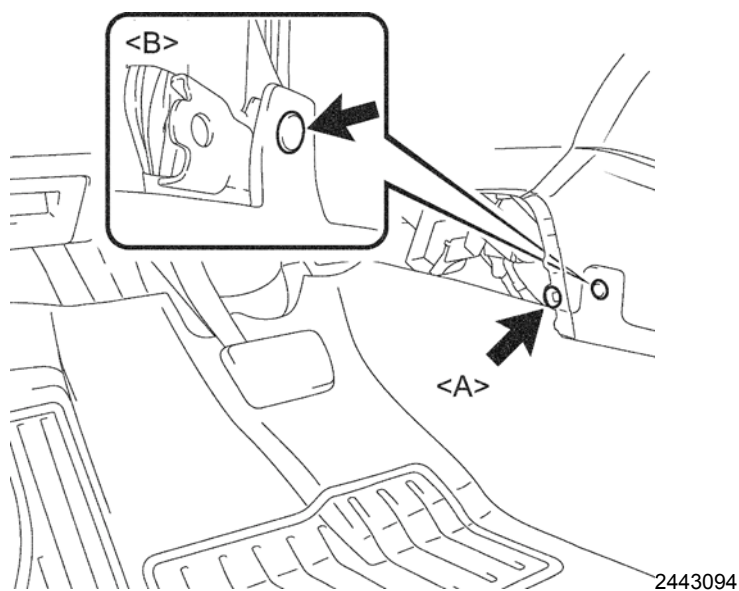
10.6. Accelerator pedal modification is now complete.

FLOOR CARPET MODIFICATION

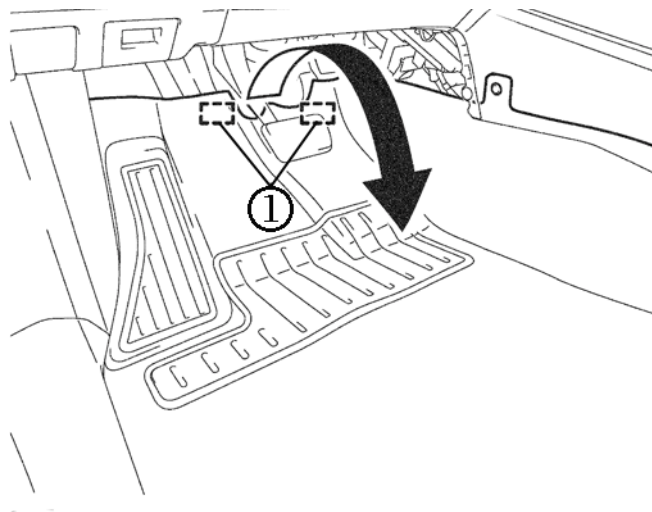


2443093

1. Remove the front No. 1 console box insert.
 - 1.1. Disengage the 3 claws.
 - 1.2. Disengage the guide and remove the front No. 1 console box insert.

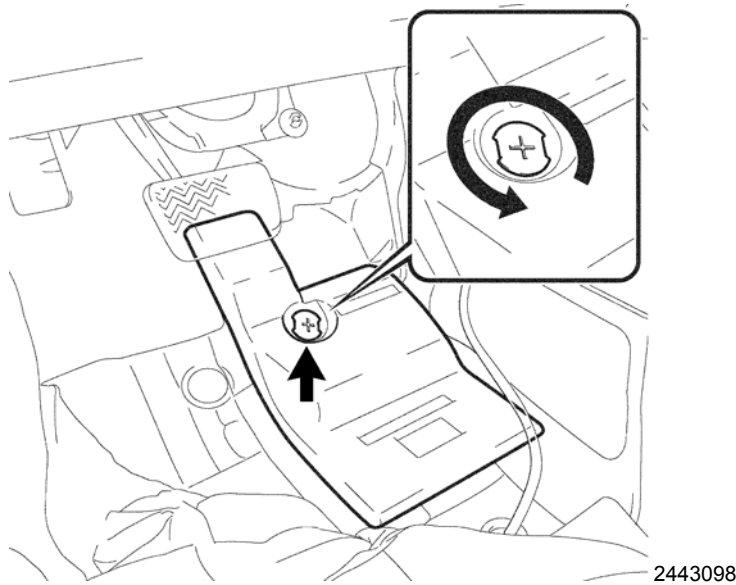


2. Pull back the floor carpet.
 - 2.1. Remove the clip <A>.
 - 2.2. Remove the clip .



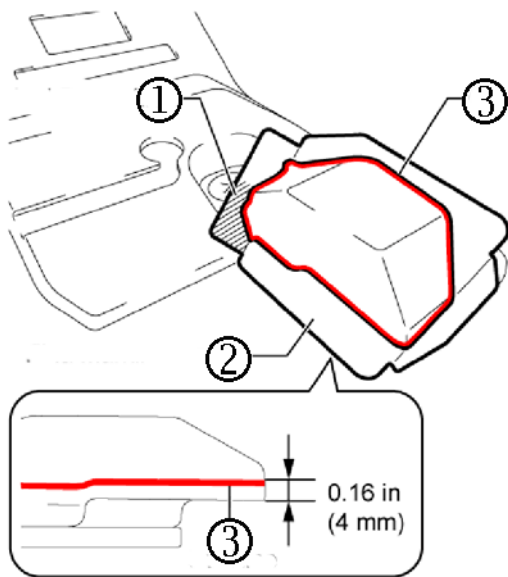
2443095

- 2.3. Disengage the 2 fasteners (1).
 - 2.4. Pull back the floor carpet as shown in the illustration.



Note: It may be difficult to remove the tibia pad. Pull on the tibia pad while turning the clip.

3. Turn the clip and remove the tibia pad.



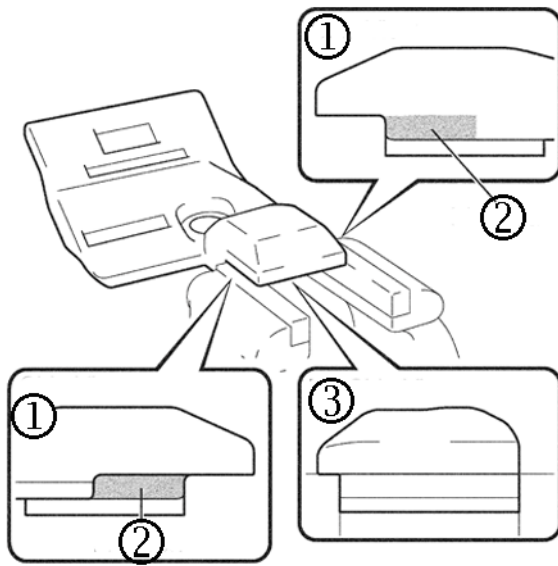
(1) Hold Down Area (2) Tibia Marking Gauge (3) Cut Line

4. Reshape the tibia pad.

Note:

- Hold down the area shown and draw with a colored pen.
- Verify the cut line was drawn 4 mm (.16 in) from the edge as shown.

- 4.1. Place the gauge and draw cut lines onto the tibia pad along the tibia marking gauge.

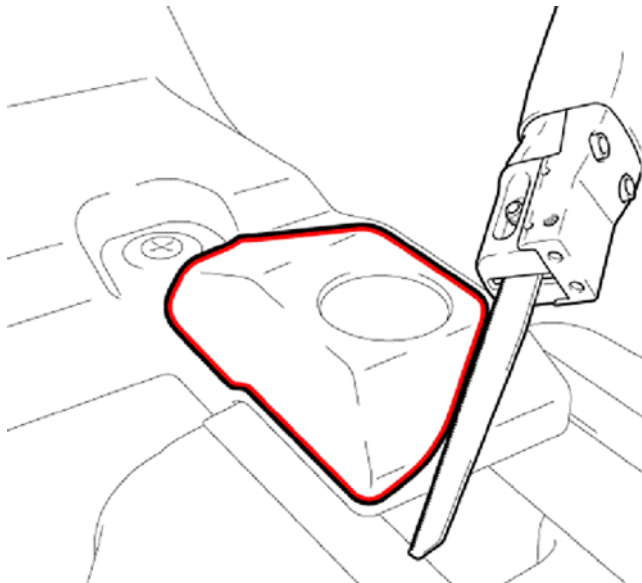


2443101

(1) Side View (2) Fix Area (3) Tip Side View

Note: Do not over tighten; the tibia pad may be damaged.

4.2. Secure the tibia pad in a vise at the contact areas shown.

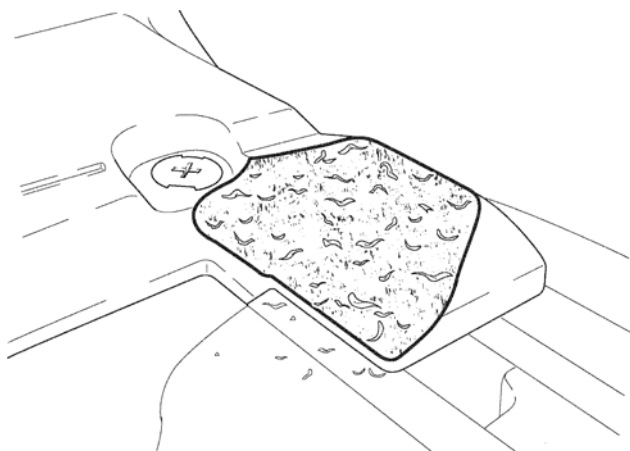


2443102

Note:

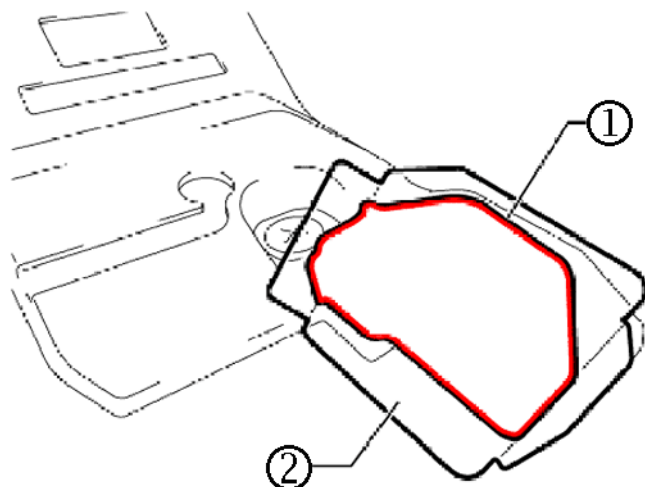
- Always wear protective gloves and glasses.
- Use blades with full lengths of more than 100 mm (3.94 in).
- Be careful not to contact the blade with the vise.
- Do not stop during the cutting process.

4.3. Cut the tibia pad with an air saw until all of the cut line has been cut away.



2443103

4.4. Remove burrs.

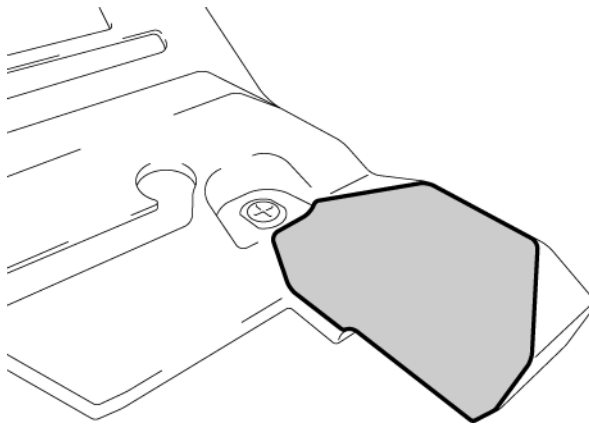


2443106

(1) Cut Line (2) Tibia Marking Gauge

Note: Use an orbital sander and file and trim exactly along the cut line.

4.5. Place the gauge to the reshaped tibia pad and check if it fits the tibia marking gauge.

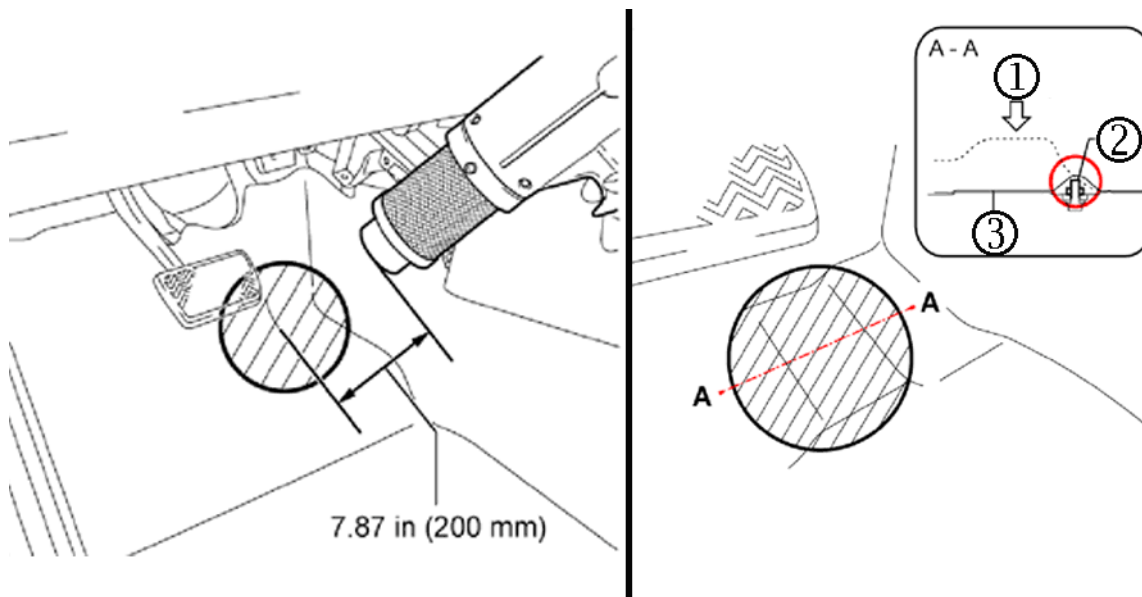


2443108

Note: Remove all debris and burrs. This is in preparation for when installing the rubber seat.

4.6. Clean the cut surface.

5. Reshape the floor carpet.



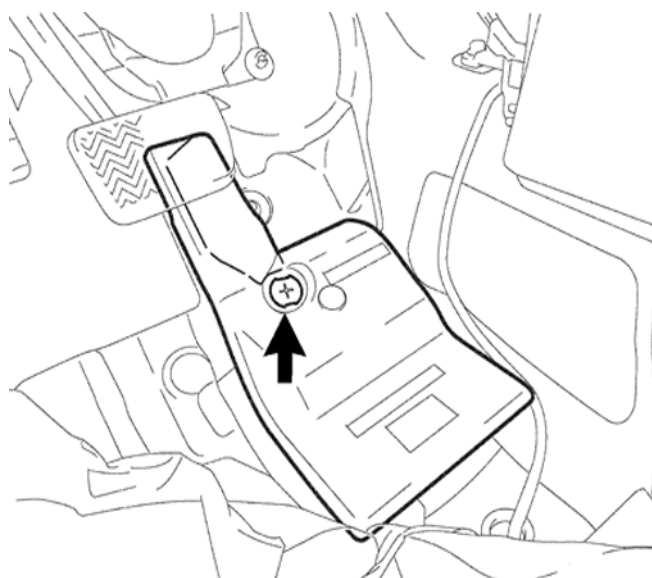
2443905

Caution:

- A bolt extends from the floor under the floor carpet. Be careful not to bore a hole in the floor carpet when reshaping.
- Keep the hair dryer/heat gun more than 200 mm (7.87 in) away from the floor carpet, and stop after 2 or 3 minute intervals. Continuous heating of the floor carpet may cause damage.
- DO NOT leave hair dryer or heat gun inside of the vehicle when it is hot to prevent unintended heat damage on interior parts.

Note: Always wear protective gloves when heating the floor carpet.

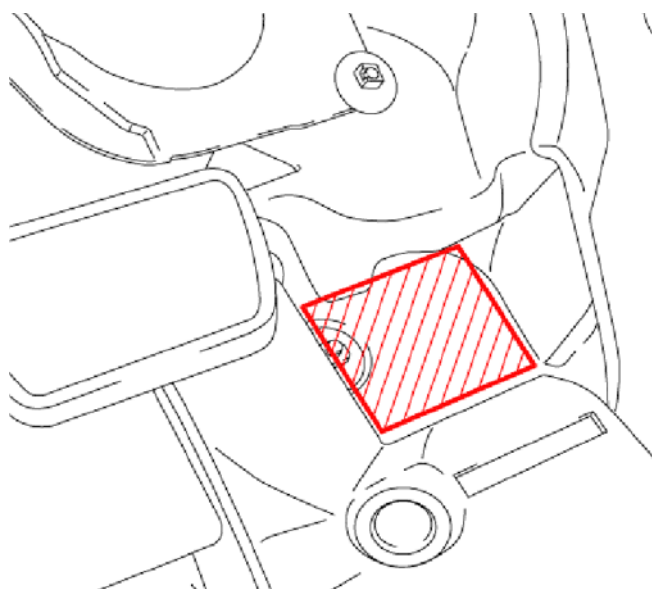
- 5.1. Heat the floor carpet area as shown in the illustration for 3 minutes with the tibia pad removed and reshape the carpet.



2443110

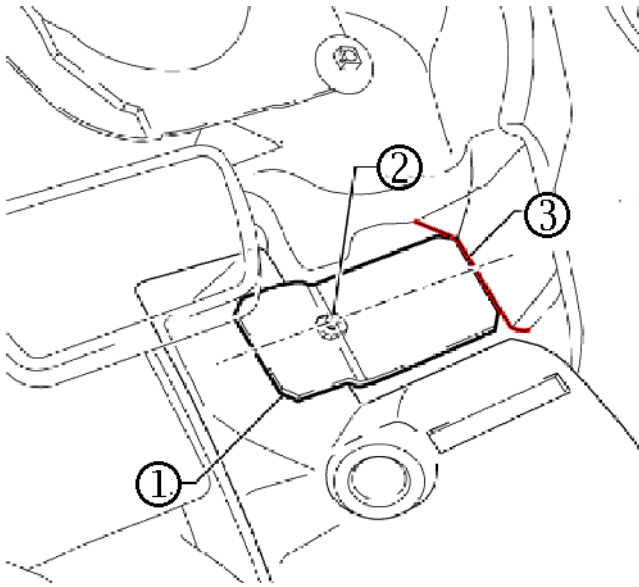
Note: Be sure to install the reshaped tibia pad.

6. Install the tibia pad by engaging the clip to the tibia pad.



2443112

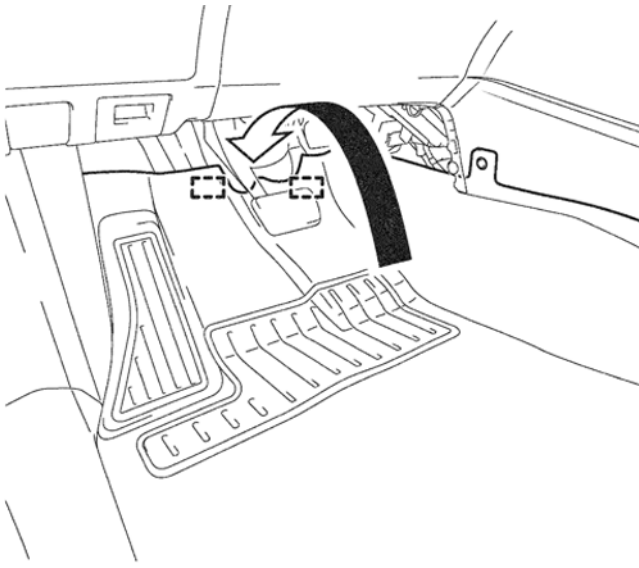
7. Install rubber seat.



2443113

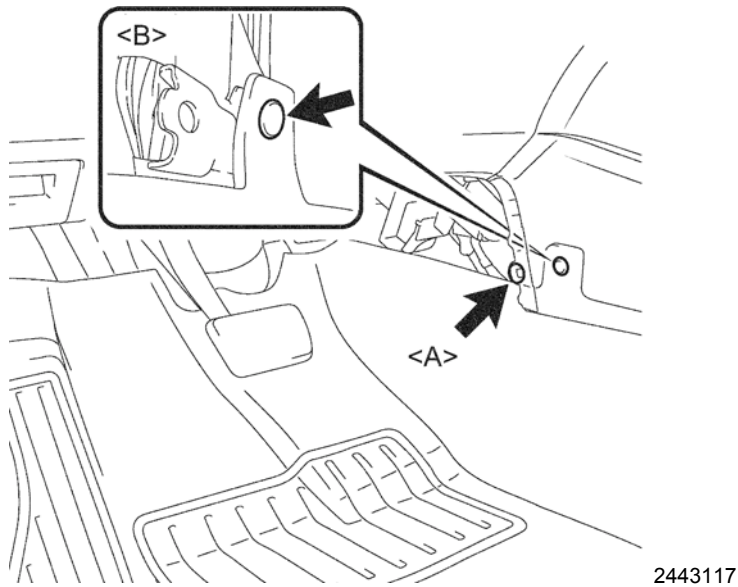
Note: Place the rubber seat (1) so that the bolt (2) aligns with its vertical center.

- 7.1. Clean and degrease the rubber seat application area.
- 7.2. Peel the double sided tape cover off the NEW rubber seat.
- 7.3. Attach the rubber seat (1) along the floor press line (3).



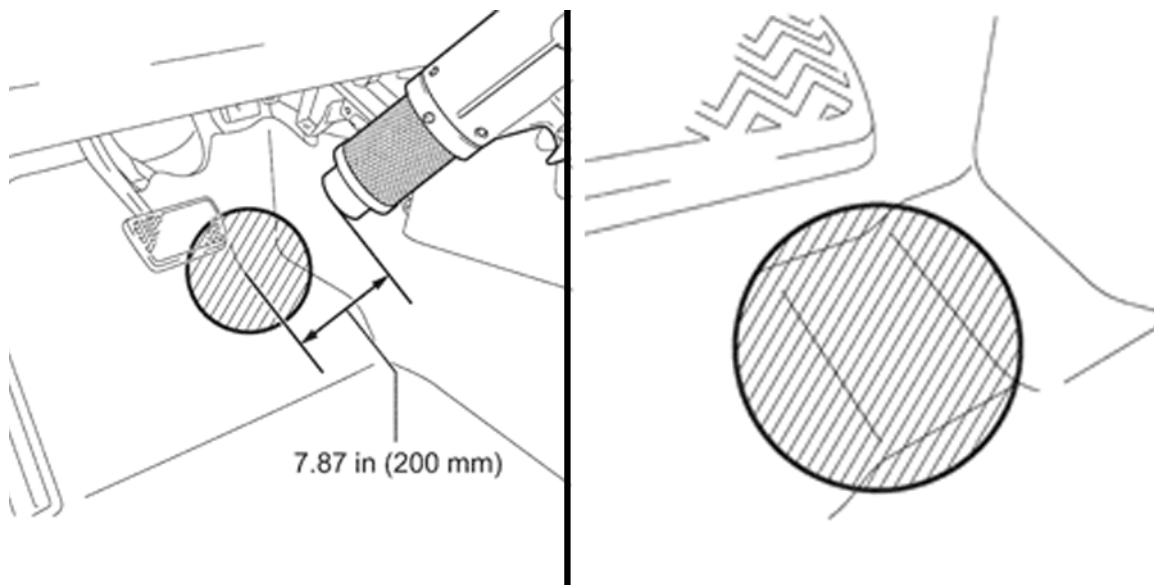
2443114

8. Place back the floor carpet.
 - 8.1. Place the floor carpet back into position as shown in the illustration.
 - 8.2. Engage the 2 fasteners.



8.3. Install the clip B.

8.4. Install the clip A.

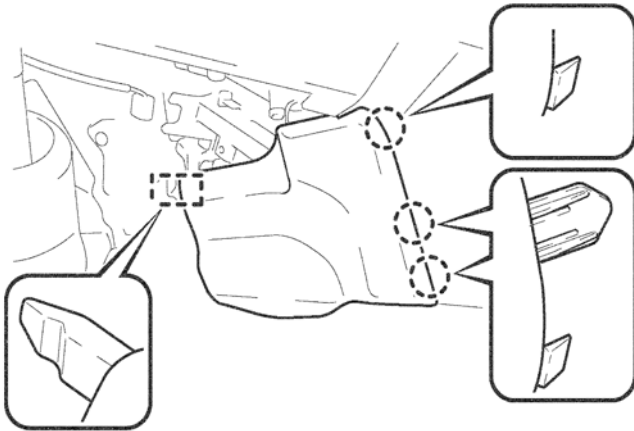


9. Smooth the floor carpet.

Note:

- Always wear protective gloves when heating the floor carpet.
- Keep the hair dryer/heat gun more than 200 mm (7.98 in) away from the floor carpet, and stop after 1-2 minute intervals. Continuous heating of the floor carpet may cause damage.
- DO NOT leave the hair dryer/heat gun inside of the vehicle when it is hot to prevent unintended heat damage on interior parts.

9.1. Heat the floor carpet as shown in the illustration for 2 minutes, and smooth it out by pushing it with your hand. Heat the same area again for 1 minute, and smooth the carpet firmly.



2443124

10. Install the front No. 1 console box insert.

10.1. Engage the guide.

10.2. Engage the 3 claws and install the front No. 1 console box insert.

Reinstall the Accelerator Pedal Assembly

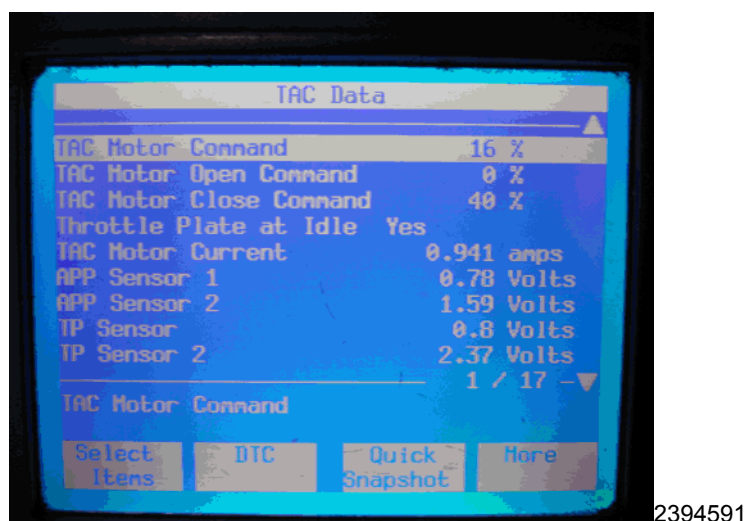
1. Reinstall the accelerator pedal assembly.

Note:

- DO NOT reuse the bubble wrap.
 - For additional information on accelerator pedal installation, refer to SI.
- 1.1. Remove and discard the masking tape and bubble wrap from the accelerator pedal assembly while it is inside the vehicle.
 - 1.2. Reinstall the pedal with the 2 bolts and torque to specification.

Torque Specification:
5.5 N·m (49 in lb)

1.3. Reconnect the accelerator pedal connector.



2394591

4.2. From the Main Menu of the Tech 2®, select Diagnostics>Year>Passenger Car>Division>Model>Powertrain>Transmission Selection>Engine Selection>ECM>Data Display> TAC Data. The TAC Data screen provides voltage information for the Accel Sensor Out No.1 and Accel Sensor Out No.2.

4.3. Check the values by referring to the table below.

Tester Display	Measurement: Range (Display)	Normal Condition	Diagnostic Note
Accel Sensor Out No. 1	APP Sensor No. 1 Voltage	Accelerator Pedal Released: 0.5 to 1.1 V	Read value with ignition switch to ON (Do not start engine)
		Accelerator Pedal Fully Depressed: 2.6 to 4.5 V	
Accel Sensor Out No. 2	APP Sensor No. 2 Voltage	Accelerator Pedal Released: 1.2 to 2.0 V	Read value with ignition switch to ON (Do not start engine)
		Accelerator Pedal Fully Depressed: 3.4 to 5.0V	

5. Check for diagnostic trouble codes (DTCs). If DTCs are displayed, verify the code(s) and record the freeze frame data, and then perform repairs as necessary.
6. Test drive the vehicle and inspect it for any problems

COURTESY TRANSPORTATION

The General Motors Courtesy Transportation program is intended to minimize customer inconvenience when a vehicle requires a repair that is covered by the New Vehicle Limited Warranties. The availability of courtesy transportation to customers whose vehicles are within the warranty coverage period and involved in a product program is very important in maintaining customer satisfaction. Dealers are to ensure that these customers understand that shuttle service or some other form of courtesy transportation is available and will be provided at no charge. Dealers should refer to the General Motors Service Policies and Procedures Manual for Courtesy Transportation guidelines.

CLAIM INFORMATION

1. Submit a claim using the table below.
2. Courtesy Transportation - submit as Net Item under the repair labor code.

Labor Code	Description	Labor Time	Net Item
V2276	Pedal Asm & Floor Modification (inc. floor mat exchange if applicable)	1.5	N/A
V2277	Floor & Tibia Pad Modification Only (inc. floor mat exchange if applicable)	0.7	N/A
T5772*	Install Second Design Pedal Asm	0.2	N/A
V2278	Cost of Saw and Sander (only 1 claim per dealership allowed)	N/A	**

* The Second Design pedal is not to be installed unless the pedal modification in this bulletin has been performed and the customer returns requesting a new pedal.

** Submit the actual cost of the orbital sander and sanding disc, and reciprocating saw and blades, not to exceed \$225.00 USD, \$238.00 CAD.

CUSTOMER NOTIFICATION

General Motors will notify customers of this recall on their vehicle (see copy of customer letter included with this bulletin).

DEALER RECALL RESPONSIBILITY – For US (US States, Territories, and Possessions)

The US National Traffic and Motor Vehicle Safety Act provides that each vehicle that is subject to a recall of this type must be adequately repaired within a reasonable time after the customer has tendered it for repair. A failure to repair within sixty days after tender of a vehicle is prima facie evidence of failure to repair within a reasonable time. If the condition is not adequately repaired within a reasonable time, the customer may be entitled to an identical or reasonably equivalent vehicle at no charge or to a refund of the purchase price less a reasonable allowance for depreciation. To avoid having to provide these burdensome remedies, every effort must be made to promptly schedule an appointment with each customer and to repair their vehicle as soon as possible. In the recall notification letters, customers are told how to contact the US National Highway Traffic Safety Administration if the recall is not completed within a reasonable time.

DEALER RECALL RESPONSIBILITY – All

All unsold new vehicles in dealers' possession and subject to this recall must be held and inspected/repaired per the service procedure of this recall bulletin before customers take possession of these vehicles.

Dealers are to service all vehicles subject to this recall at no charge to customers, regardless of mileage, age of vehicle, or ownership, from this time forward.

Customers who have recently purchased vehicles sold from your vehicle inventory, and for which there is no customer information indicated on the dealer listing, are to be contacted by the dealer. Arrangements are to be made to make the required correction according to the instructions contained in this bulletin. A copy of the customer letter is provided in this bulletin

for your use in contacting customers. Recall follow-up cards should not be used for this purpose, since the customer may not as yet have received the notification letter.

In summary, whenever a vehicle subject to this recall enters your vehicle inventory, or is in your dealership for service in the future, you must take the steps necessary to be sure the recall correction has been made before selling or releasing the vehicle.

