

TOYOTA CUSTOMER SERVICES

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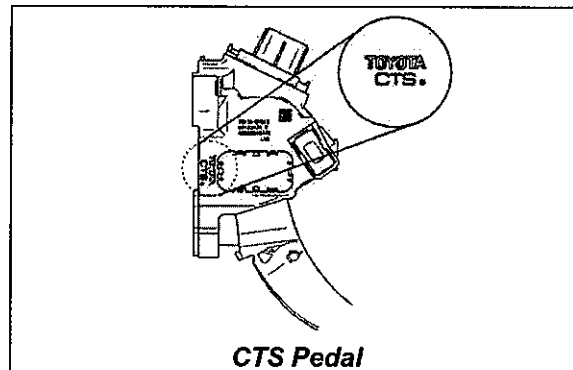
INTEROFFICE MEMORANDUM

To: All Region/Private Distributor General Managers/Vice Presidents

From: Bob Waltz,
Vice President, Product Quality and Service Support

Subject: Safety Recall – 90L Phase 3
Certain 2005 – 2010 Model Year Avalon Vehicles
Potential Floor Mat Interference with Accelerator Pedal (February, 2010)

Toyota is now launching Phase 3 of Safety Recall 90L on certain 2005 - 2010 Avalon vehicles for potential floor mat interference with the accelerator pedal. All Avalon vehicles are equipped with a CTS pedal. The same templates and gauges provided to dealers for the Camry (Phase 2) will be utilized.



Note:

- The name of the pedal manufacturer is embossed (CTS) on the upper sensor housing on the brake pedal side.
- This condition is separate from the Defect Information Report (DIR) filed on 1/21/2010 in reference to the possibility that certain CTS accelerator pedal mechanisms may, in rare instances, mechanically stick in a partially depressed position or return slowly to the idle position.

The following vital information is provided to inform you and your staff of the dealer and owner notification phase of the Safety Recall and your degree of involvement.

Background

As communicated last Fall, the defect is the potential for an unsecured or incompatible driver's floor mat to interfere with the accelerator pedal and cause it to get stuck in the wide open 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. **Toyota has determined that this defect does not exist in vehicles in which the driver's side floor mat is compatible with the vehicle and properly secured.**

90L – Potential Floor Mat Interference with Accelerator Pedal (Remedy Launch Date)

Safety Recall No.	Phase	Model	Dealer	Owner Letter Start
90L	1	2007 – 2010 Camry/Camry HV (Denso)	02/02/2010	02/16/2010
	2	2007 – 2010 Camry (CTS)	02/04/2010	02/16/2010
	3	2005 – 2010 Avalon (CTS)	02/23/2010	Late February
	TBD	2009 - 2010 Corolla, 2008 - 2010 Highlander/Highlander HV, 2009 - 2010 Matrix, 2004 – 2009 Prius, 2005 – 2010 Tacoma, 2007 – 2010 Tundra, 2009 - 2010 Venza	TBD	TBD

A0A – Accelerator Pedal Reinforcement Bar Installation

Safety Recall No.	Model	Dealer	Owner Letter Start
A0A	2005 – 2010 Avalon, 2007 – 2010 Camry, 2009 – 2010 Corolla, 2010 Highlander, 2009 – 2010 Matrix, 2009 – 2010 RAV4, 2008 – 2010 Sequoia, 2007 – 2010 Tundra	02/02/2010	02/05/2010

Safety Recall Remedy for Vehicles Equipped with CTS Pedals

To make it less likely that an unsecured or incompatible driver's floor mat can interfere with the accelerator pedal, dealerships are requested to do the following:

- Modify both the rigid plastic accelerator pedal and the floor surface in the driver's foot-well.
- If the vehicle is equipped with a set of optional genuine Toyota All Weather Floor Mats (AWFM), it must be inspected to determine if the AWFM set is of an older design. If it is, the older design AWFM's for the driver and the front seat passenger positions will be replaced with newly designed mats.
- Before the vehicle is returned to the customer, inspect the front carpet and floor mat and clean them as appropriate.

As an additional measure independent of the vehicle-based recall remedy, dealerships are requested to install a newly designed override system on **Avalon** vehicles to provide an extra measure of confidence. This system will cut engine power in case of simultaneous application of both accelerator and brake pedals at certain speeds and driving conditions.

1. Dealer Letter Mailing Date

The attached Dealer Letter will be sent to all Toyota dealers in late February, 2010.

2. Owner Notification Mailing Date

The owner notification will commence approximately one week after the dealer notification.

If a dealer is contacted by an owner of a Avalon vehicle who has not yet received a notification, please instruct them to **verify eligibility by confirming through Dealer Daily/TIS prior to performing repairs**. Dealers should perform the repair as outlined in the Technical Instructions found on TIS.

3. Number of Vehicles Involved

There are approximately 330,000 Avalon (2005 through 2010 model year) vehicles involved.

4. Region/District Summary Reports

The following Safety Recall 90L Summary Reports will be provided shortly:

- Region/PD Summary Report that provides an overview of the entire Region/PD for this Safety Recall.
- A District Summary Report that indicates the number of involved vehicles registered in each dealership's primary marketing area for this Safety Recall.
- **Dealer Reports will no longer contain a VIN list.** However, they will contain the number of involved vehicles registered in each dealership's primary marketing area and initial suggested parts order quantities, where applicable.

5. Parts Ordering

The necessary parts can be ordered through the dealership's facing PDC. Please refer to the table below and the Technical Instructions (located on TIS) for part number information.

To ensure that each Toyota Dealer has an adequate supply of service parts to complete customer vehicle repairs based on initial 90L mailing quantities and support repairs on new, pre-owned and TRAC vehicles in dealer inventory, NAPO and CAD have placed Manual Allocation codes on each of the following part numbers. Maximum quantity percentages will be increased as additional mailers are released. NAPO will release dealer orders as shown in the matrix below until further notice:

Floor Surface Modification

Part Number	Description	Dlr QUP	Max Qty released
58569-07010	Tibia, Pad Kit	1	Up to 50 % of Dealer UIO
78118-41010	Stopper	10	Up to 50 % of Dealer UIO

To support customers that have Genuine Toyota Avalon All Weather Floor Mats, Toyota will be replacing the customer's existing driver and passenger side front floor mats using the correct color 2-piece mat set below:

All Weather Floor Mat (AWFM) Replacement

Part Number	Description	Color	Dlr MaxOrder Qty
*PT908-0710W-02	2PC AWFM BLK AVALON	Black	4
*PT908-0710W-14	2PC AWFM BRN AVALON	Brown	1

Dealer Maximum Order quantities for these new All Weather Floor Mat part numbers are consistent with our historical sales. Manual Allocation Codes are on these two part numbers and dealer orders will be reviewed and released based on availability and dealer order history.

If you have any questions or if a dealer in your region has a specific request / concern regarding the parameters established above, please contact Sal Berardesco in Toyota Dealer Operations at (310) 468-9060. Sal will coordinate all field requests with NAPO Procurement or CAD Accessory Supply.

*AWFM's replaced under this Safety Recall will be placed on Warranty Parts Recovery.

- To assure the AWFM's are rendered unusable, they should be cut prior to return.
- Floor mats that are not returned will result in the claim being debited.
- If a customer has disposed of their older design Toyota genuine AWFM, he/she may receive the replacement AWFM's for the driver and front passenger seating positions upon proof-of-purchase of the original set. Please return a copy of the proof-of-purchase stapled to the repair order in an envelope in lieu of the actual AWFM for warranty parts recovery.

In the event the grommet area requires repair, a new repair part is available. Please refer to T-SB-0397-09 for additional information on grommet repair.

Part No.	Part Name	Qty/Unit
58297-50020	Retainer, Floor Clamp	Depending Upon Need

Enclosed:

cc: Region/Private Distributor Assistant General Managers
Region/Private Distributor Customer Service Operations Managers
Region/Private Distributor Service Managers/Directors/VPs
Region/Private Distributor Parts Managers/Directors/VPs
Region/Private Distributor Customer Services Field Managers
Region/Private Distributor Technical Services and Training Managers
Region/Private Distributor District Service and/or Parts Managers
Region/Private Distributor Customer Relations Managers
Region/Private Distributor PDC Managers
Region/Private Distributor Field Technical Specialists
Region/Private Distributor Service Training Specialists
Region/Private Distributor Vehicle Operations Managers
All NAPC General Managers
All TMS Sales Administration Managers
All TMS Product Quality & Service Support Managers
All Field Product Engineers

J. Beseda	W. Fay	K. Kusakawa	J. Stempkowski
G. Borst	N. Fein	M. Michels	S. Sugawara
R. Broughman	F. Fontanella	T. Morrison	M. Templin
G. Bryan	H. Fukui	T. Nakagami	J. Tetherow
W. Burns	S. Haag	D. Pettitt	P. Uribe
D. Camden	J. Hanson	R. Pflughaupt	K. Ura
B. Carter	K. Higgins	C. Reynolds	A. Vaish
G. Christoff	M. Hosoe	C. Roberts	R. Waltz
J. Colon	C. Hostetter	R. Sakai	S. Yamaguchi
B. Cooper	Y. Inaba	D. Sakakibara	M. Yamanami
R. Daly	M. King	M. Setta	N. Yamamoto
F. Davidson	J. Lang	A. Smith	H. Yoshihashi
T. Doi	J. Lentz	R. Specht	D. Zellers
D. Esmond	E. Matsuda		

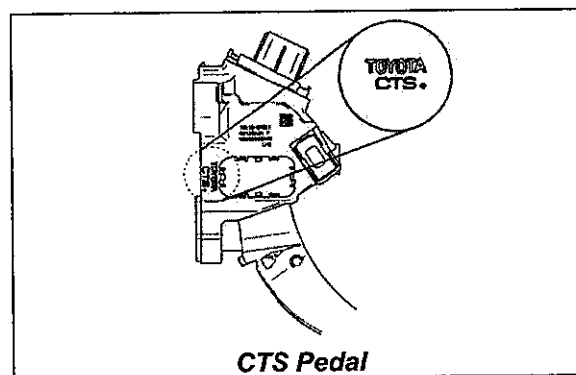
TOYOTA

Toyota Motor Sales, U.S.A., Inc.
19001 South Western Avenue
Torrance, CA 90501
(310) 468-4000

To: All Toyota Dealer Principals, Service Managers, Parts Managers

Subject: Safety Recall – 90L Phase 3
Certain 2005 – 2010 Model Year Avalon Vehicles
Potential Floor Mat Interference with Accelerator Pedal (February, 2010)

Toyota is now launching Phase 3 of Safety Recall 90L on certain 2005 - 2010 Avalon vehicles for potential floor mat interference with the accelerator pedal. All Avalon vehicles are equipped with a CTS pedal. The same templates and gauges provided to dealers for the Camry (Phase 2) will be utilized.



Note:

- The name of the pedal manufacturer is embossed (CTS) on the upper sensor housing on the brake pedal side.
- This condition is separate from the Defect Information Report (DIR) filed on 1/21/2010 in reference to the possibility that certain CTS accelerator pedal mechanisms may, in rare instances, mechanically stick in a partially depressed position or return slowly to the idle position.

The following vital information is provided to inform you and your staff of the owner notification phase of the Safety Recall and your degree of involvement.

Background

As communicated last Fall, the defect is the potential for an unsecured or incompatible driver's floor mat to interfere with the accelerator pedal and cause it to get stuck in the wide open 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. **Toyota has determined that this defect does not exist in vehicles in which the driver's side floor mat is compatible with the vehicle and properly secured.**

90L – Potential Floor Mat Interference with Accelerator Pedal (Remedy Launch Date)

Safety Recall No.	Phase	Model	Dealer	Owner Letter Start
90L	1	2007 – 2010 Camry/Camry HV (Denso)	02/02/2010	02/16/2010
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A0A – Accelerator Pedal Reinforcement Bar Installation

Safety Recall No.	Model	Dealer	Owner Letter Start
A0A	2005 – 2010 Avalon, 2007 – 2010 Camry, 2009 – 2010 Corolla, 2010 Highlander, 2009 – 2010 Matrix, 2009 – 2010 RAV4, 2008 – 2010 Sequoia, 2007 – 2010 Tundra	02/02/2010	02/05/2010

Safety Recall Remedy for Vehicles Equipped with CTS Pedals

To make it less likely that an unsecured or incompatible driver's floor mat can interfere with the accelerator pedal, dealerships are requested to do the following:

- Modify both the rigid plastic accelerator pedal and the floor surface in the driver's foot-well.
- If the vehicle is equipped with a set of optional genuine Toyota All Weather Floor Mats (AWFM), it must be inspected to determine if the AWFM set is of an older design. If it is, the older design AWFMs for the driver and the front seat passenger positions will be replaced with newly designed mats.
- Before the vehicle is returned to the customer, inspect the front carpet and floor mat and clean them as appropriate.

As an additional measure independent of the vehicle-based recall remedy, dealerships are requested to install a newly designed override system on **Avalon** vehicles to provide an extra measure of confidence. This system will cut engine power in case of simultaneous application of both accelerator and brake pedals at certain speeds and driving conditions.

1. Owner Notification Letter Mailing Date

The owner notification will commence in late February, approximately one week after your dealership has been notified.

This Safety Recall will be launched in phases.

- Information on additional phases related to Corolla, Highlander, Matrix, Prius, Tacoma, Tundra and Venza will be provided prior to the launch of these phases.

If your dealership is contacted by an owner of an Avalon who has not yet received a notification, please **verify eligibility by confirming through Dealer Daily/TIS prior to performing repairs**. Dealers should perform the repair as outlined in the attached Technical Instructions.

2. Vehicles in Dealer Stock

- As required by Federal law, dealers are not to deliver any new vehicles in their inventory which are involved in a safety recall unless the defect has been remedied. However, because this defect does not exist in vehicles in which the driver's side floor mat is compatible with the vehicle and properly secured, **if you have remedied the accelerator pedal defect covered by safety recall A0A (or if the vehicle was not covered by that recall)**, you may sell new vehicles that have not received the full remedy if you assure the driver's position floor mat is semi-permanently secured or place the front driver's and passenger's floor mats in the trunk on any vehicles in stock prior to sale or lease. Vehicle safety recall completion can be verified through TIS.
- *In order to assure established customers receive priority for the safety recall, we request that this Safety Recall remedy be performed on in-stock Avalon vehicles just prior to vehicle delivery where possible.*
- **A VIN list containing vehicles in dealer stock will be provided shortly.**

3. Dealer Summary Reports

For your reference, the following summary reports will be provided shortly:

- **The number of involved vehicles in your dealership's primary marketing area for this phase**
- **A VIN list containing vehicles in dealer stock**
- **The suggested initial parts order quantities for this phase**

4. **Number and Identification of Involved Vehicles**

There are approximately 330,000 Avalon vehicles (2005 through 2010 model year), equipped with CTS pedals.

Model	WMI	Year	VIN Range	
			VDS	Range
AVALON	4T1	2005	BK36B	U001003 – U062426
		2006	BK36B	U042154 – U167717
		2007	BK36B	U149048 – U253880
		2008	BK36B	U209130 – U324241
		2009	BK36B	U305357 – U351925
		2010	BK3DB	U351302 – TBD

NOTE:

- Not all vehicles in the VIN range are affected by this Safety Recall.
- If your dealership is contacted by an owner of an Avalon who has not yet received a notification, please ***verify eligibility by confirming through Dealer Daily/TIS prior to performing repairs.***
- Dealers should perform the repair as outlined in the Technical Instructions found on TIS.

5. Parts Ordering

The necessary parts can be ordered through your dealership's facing PDC. Please refer to the table below and the Technical Instructions (located on TIS) for part number information.

To ensure that each Toyota Dealer has an adequate supply of service parts to complete customer vehicle repairs based on initial 90L mailing quantities and support repairs on new, pre-owned and TRAC vehicles in dealer inventory, NAPO and CAD have placed Manual Allocation codes on each of the following part numbers. Maximum quantity percentages will be increased as additional mailers are released. NAPO will release dealer orders as shown in the matrix below until further notice:

Floor Surface Modification

Part Number	Description	Dir QUP	Max Qty released
58569-07010	Tibia, Pad Kit	1	Up to 50 % of Dealer UIO
78118-41010	Stopper	10	Up to 50 % of Dealer UIO

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All Weather Floor Mat (AWFM) Replacement

Part Number	Description	Color	Dir MaxOrder Qty
*PT908-0710W-02	2PC AWFM BLK AVALON	Black	4
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Dealer Maximum Order quantities for these new All Weather Floor Mat part numbers are consistent with our historical sales. Manual Allocation Codes are on these two part numbers and dealer orders will be reviewed and released based on availability and dealer order history.

Any questions, request or concerns regarding the parameters established above should be directed to your regional representative.

*AWFM's replaced under this Safety Recall will be placed on Warranty Parts Recovery.

- To assure the AWFM's are rendered unusable, they should be cut prior to return.
- Floor mats that are not returned will result in the claim being debited.
- If a customer has disposed of their older design Toyota genuine AWFM, he/she may receive the replacement AWFM's for the driver and front passenger seating positions upon proof-of-purchase of the original set. Please return a copy of the proof-of-purchase stapled to the repair order in an envelope in lieu of the actual AWFM for warranty parts recovery.

IMPORTANT PARTS ORDERING REMINDER

Effective March 1, 2009, Safety Recall, Service Campaign (SSC/LSC) and Customer Support Program (CSP) parts do not earn Parts Return Credit Accrual and are not returnable under the Monthly Return Program.

It is recommended that you order these parts based on appointments or immediate customer needs using a "Sell One-Buy One" ordering pattern. Please refer to PANT Bulletin 09-12 for additional details.

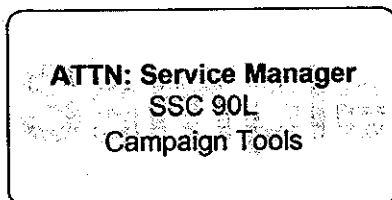
In the event the grommet area requires repair, a new repair part is available. Please refer to T-SB-0397-09 for additional information on grommet repair.

Part No.	Part Name	Qty/Unit
58297-50020	Retainer, Floor Clamp	Depending Upon Need

6. Tools and Equipment and Materials

In separate shipments in early February 2010, your dealership was sent a Safety Recall tool kit and CTS pedal template. These shipments included the required accelerator pedal template and gauge, an orbital sander and a reciprocating saw.

When received, the Safety Recall tool kit package would have had fluorescent (green, orange, yellow or pink) label like the sample seen below for easy identification.

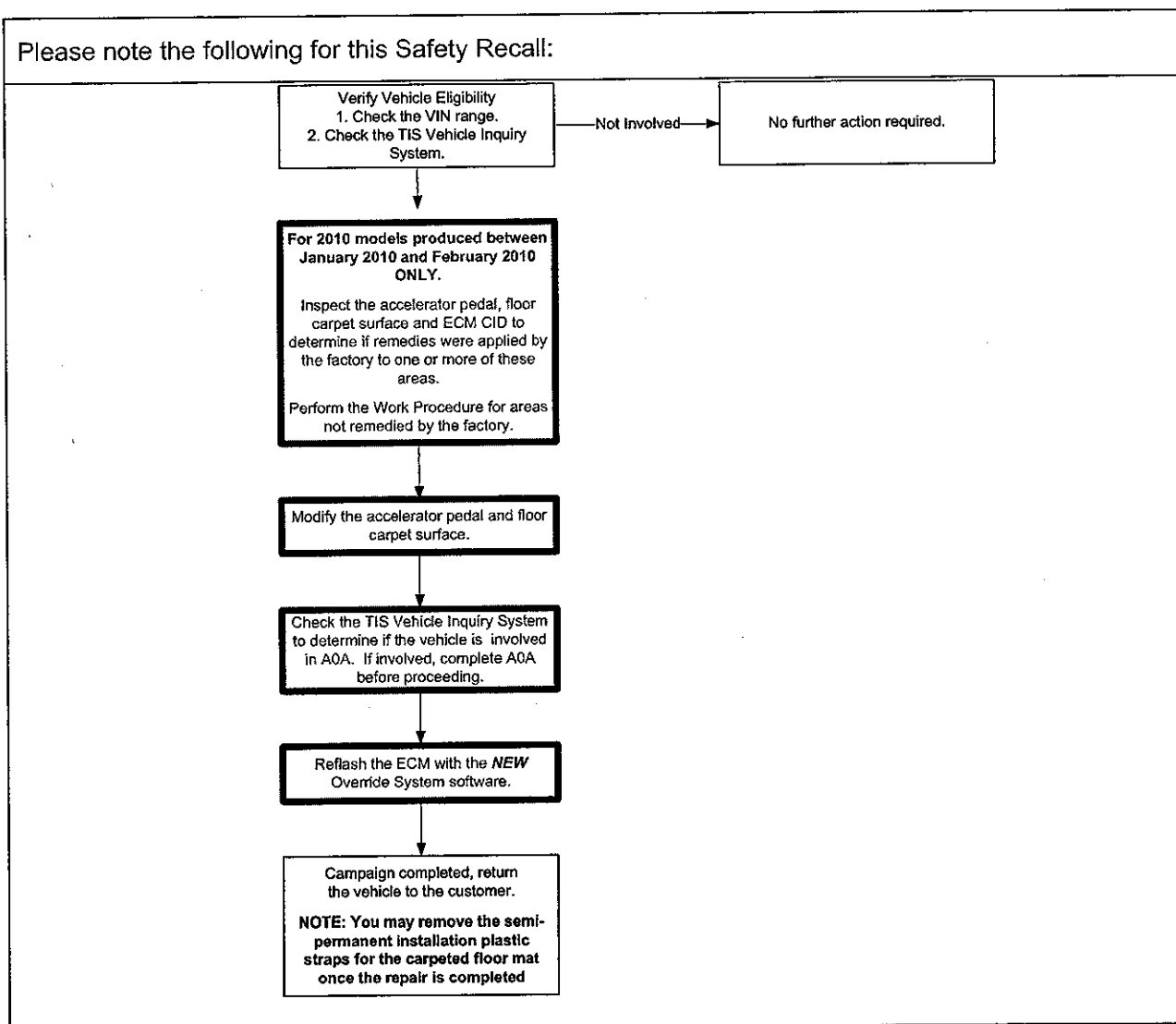


The additional required tools and equipment are listed in the technical instructions found on TIS.

7. Repair Procedures

Refer to TIS for the appropriate Technical Instructions. ***Vehicles involved in this Safety Recall may also be involved in Safety Recall A0A and LSC 90K. Please verify all applicable Safety Recalls and campaigns have been preformed prior to returning the vehicle to the customer.***

8. Warranty Processor Instructions



(Warranty Processor Instructions Continued. . .)

The operation codes to be used for this Safety Recall are:

Safety Recall #	Op. Code	Description	Flat Rate Hour
90L Avalon	9911M5	1. Accelerator Pedal and Floor Surface Modification 2. Override System (reflash) installation 3. <i>Remove the sound deadening material</i> 4. <i>Replacement of the All Weather Floor Mat</i> 5. Inspect the front carpet and floor mat and clean them as appropriate.	2.0 hr/vehicle
	9911M6	1. Accelerator Pedal and Floor Surface Modification 2. Override System (reflash) installation 3. <i>Remove the sound deadening material</i> 4. Inspect the front carpet and floor mat and clean them as appropriate.	2.0 hr/vehicle
	9911M7	1. Accelerator Pedal and Floor Surface Modification 2. Override System (reflash) installation 3. <i>Replacement of the All Weather Floor Mat</i> 4. Inspect the front carpet and floor mat and clean them as appropriate.	1.9 hr/vehicle
	9911M8	1. Accelerator Pedal and Floor Surface Modification 2. Override System (reflash) installation 3. Inspect the front carpet and floor mat and clean them as appropriate.	1.9 hr/vehicle

- The above flat rate time includes 0.1 hour for administrative cost per unit.
- Additional materials used for repairing each vehicle (i.e., industrial tape, double-stick tape, replacement saw blades (amortized over several repairs), replacement sanding disks (amortized over several repairs), etc.) can be claimed as a sublet type "ZZ" at a rate of \$1.00 per vehicle.
- AWFM's replaced under this Safety Recall will be placed on Warranty Parts Recovery.
- The above flat rate time includes the necessary time to repair the floor carpet grommets on an as needed basis. Please refer to TSB 0397-09. If necessary, please provide replacement floor mat clips to the customer.
- If the vehicle is installed with an accessory accelerator pedal cover, the cost of the accessories accelerator pedal will be reimbursed under the sublet cost column. Utilize sublet type "PC" at a maximum of \$80.00 per vehicle.

9. **Customer Handling**

Please consider this Safety Recall a great opportunity to focus on assuring customers that their safety remains Toyota's highest priority. Customers who receive the owner letter may contact your dealership with questions regarding the letter and/or Safety Recall remedy. Please ensure that all customer contact personnel are aware of this Safety Recall and know how to accurately answer customer's questions or how to direct the customer to someone that can. Please welcome them to your dealership and answer any questions that they may have. A Q&A is provided to assure a consistent message is communicated. In addition, please:

- Encourage owners of 2005 through 2010 Avalon vehicles who have not yet received the Safety Recall remedy letter to take out any removable driver's floor mat and NOT replace it with any other floor mat until the safety recall (campaign) remedy has been completed on the vehicle.
- If a customer chooses not to remove the floor mat currently installed in his/her vehicle, they must make sure the floor mats are compatible for their model and model year. Also, they need to be sure they are properly secured using the appropriate retention device (clips). Driver's floor mats should never be stacked. Consumers should never place any floor mat (aftermarket or not) on top of another driver's floor mat. Mats should also not be flipped over with the bottom-side up. Information on proper floor mat installation can be found in the January 2010 Sales Hot Sheet and on <http://www.toyota.com/floormats>.
- Assist any customer who asks to verify correct floor mat application and secure installation.

- Advise owners of affected Corolla, Highlander, Matrix, Prius, Tacoma, Tundra and Venza vehicles that Toyota is currently developing a Safety Recall remedy. Customers should retain the all weather and/or carpeted driver's floor mat until the Safety Recall remedy is available.
- The majority of the Avalon vehicles subject to Safety Recall 90L (Potential Floor Mat Interference with Accelerator Pedal) are also subject to Safety Recall A0A (Reinforcement Bar) and some maybe involved in LSC 90K (VVT-i Oil Hose Replacement). It is important that your dealership perform all applicable Safety Recalls, SSC and LSC repairs in a single service visit and correctly submit the associated warranty claims.
- Customers with additional questions or concerns are asked to please contact the Toyota Customer Experience Center (1-888-270-9371).
- If an owner has previously paid for their vehicle's accelerator pedal and/or floor surface to be modified to address this specific condition, they are requested to mail a copy of the repair order, proof-of-payment, and proof-of-ownership to the following address for reimbursement consideration

Toyota Motor Sales, U.S.A., Inc
Toyota Customer Experience Center, WC10
19001 South Western Avenue
Torrance, CA 90509

Service Department:

Since some customers may have misconceptions in relation to this Safety Recall, a Job Aid has been provided. Please use this document when answering customer questions and explaining the appearance of the modified accelerator pedal. Two key elements of customer satisfaction and retention are to ensure you have time during the reception and write-up process to accurately address all of the customer's questions and concerns. Next, and most important, is a quality service delivery.

Make sure your delivery process includes:

- Assemble the paperwork and store it in a location that is easy to access
- The customer keys are organized and stored in a secure location
- Staffing allows you to have extra time to review the details of repairs
- Review the work completed
 - Pedal modification
 - Floor surface modification
 - Override system installation
- Review any approved customer pay maintenance or repair work performed outside the scope of the recall
- Review the "Customer Health Check" that was performed on their vehicle
- Review any multipoint inspection that was performed with the customer's approval
- Present and explain the "Toyota Owner Card" to the customer
- Review proper floor mat installation utilizing the January 2010 Sales Hot Sheet
- Ask the customer if they have any questions or concerns. If necessary, direct them to the Toyota Customer Experience Center or <http://www.toyota.com/floormats>
- Offer to set the next appointment for scheduled maintenance for customer
- Request the customer's vehicle to be staged for delivery
- Provide the keys to the customer and thank them for their business

Sales Department:

- Please refer to the Toyota Hot Sheet when answering questions and communicating floor mat installation and maintenance. Customers with other questions should be directed to a knowledgeable person in the service department.

Please review this entire package with your Service and Parts staff to familiarize them with the proper step-by-step procedures required to implement this Safety Recall.

Thank you for your cooperation.
TOYOTA MOTOR SALES, U.S.A., INC.

**Certain 2005 through 2010 Model Year Avalon Vehicles
Potential Floor Mat Interference with Accelerator Pedal
Safety Recall Campaign**

Please make an appointment with your local Toyota Dealer to have this important remedy completed.

[VIN]

Dear Toyota Owner:

This notice is being sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Toyota has decided that a defect which relates to motor vehicle safety exists in certain 2005 through certain 2010 model year Avalon vehicles.

What is the Condition?

- As we notified you earlier this past fall, the defect is the potential for an unsecured or incompatible driver's floor mat to interfere with the accelerator pedal and cause it to get stuck in the wide open 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. Toyota has determined that this defect does not exist in vehicles in which the driver side floor mat is compatible with the vehicle and properly secured.

What will Toyota do?

- To make it less likely that an unsecured or incompatible driver's floor mat can interfere with the accelerator pedal on your vehicle, any Toyota dealer will remedy your vehicle at **NO CHARGE** to you. The remedy will entail modification to both the accelerator pedal and the floor surface in the driver's foot-well.
- If your vehicle is equipped with a set of optional genuine Toyota All Weather Floor Mats (AWFM), it will be inspected to determine if the AWFM set is of an older design. If it is, the older design AWFM's for the driver and the front seat passenger will be replaced with newly designed ones at **NO CHARGE** to you.
- Before the vehicle is returned to you, Toyota will inspect the driver's carpet and will clean it if necessary at **NO CHARGE** to you.

As an additional measure independent of the vehicle-based recall remedy, Toyota will install a newly designed override system in your vehicle to provide an extra measure of confidence. This system will cut engine power in case of simultaneous application of both accelerator and brake pedals at certain speeds and driving conditions. This installation will also be conducted at **NO CHARGE** to you.

What should you do?

This is an important Safety Recall

Please contact your authorized Toyota dealer to make an appointment to have these important remedies performed on your vehicle as soon as possible.

The remedy will take approximately two hours. However, depending upon the dealer's work schedule, it may be necessary to make your vehicle available for a longer period of time.

Until these important remedies are completed, we request that you take out any removable driver's floor mat, place it in the trunk, and NOT replace it with any other floor mat until the campaign remedy has been implemented on your vehicle. ***If you have an optional genuine Toyota All Weather Floor Mat, please bring it to the dealership at the time of your remedy.***

In the event you choose not to take out your removable floor mat, Toyota strongly recommends that you ensure that the correct floor mat is being used, that it is properly installed and secured, that it is not flipped over with the bottom-side up, and that one floor mat is not stacked over another. Please visit <http://www.toyota.com/floormats> for additional information.

What should you do if you experience accelerator pedal interference?

Should the vehicle continue to accelerate rapidly after releasing the accelerator pedal, this could be an indication of floor mat interference. If this occurs, Toyota recommends you take the following actions:

First, if it is possible and safe to do so, pull back the floor mat and dislodge it from the accelerator pedal; then pull over and stop the vehicle.

If the floor mat cannot be dislodged, then firmly and steadily step on the brake pedal with both feet. Do NOT pump the brake pedal repeatedly as this will increase the effort required to slow the vehicle.

Shift the transmission gear selector to the Neutral (N) position and use the brakes to make a controlled stop at the side of the road and turn off the engine.

If unable to put the vehicle in Neutral, turn the engine OFF, or to ACC. This will not cause loss of steering or braking control, but the power assist to these systems will be lost.

-If the vehicle is equipped with an Engine Start/Stop button, firmly and steadily push the button for at least three seconds to turn off the engine. Do NOT tap the Engine Start/Stop button.

-If the vehicle is equipped with a conventional key-ignition, turn the ignition key to the ACC position to turn off the engine. Do NOT remove the key from the ignition as this will lock the steering wheel.

What if you have other questions?

Please visit <http://www.toyota.com/floormats> for further information. Your local Toyota dealer will be more than happy to answer any of your questions as well. If you require further assistance, you may contact the **Toyota Customer Experience Center at 1-888-270-9371** Monday through Friday, 8:00 am to 6:00 pm, or Saturday 7:00 am through 4:00 pm Pacific Standard Time. Your satisfaction is extremely important to us. In the event you are not satisfied with the modification of your accelerator pedal after it is completed, a replacement accelerator pedal will be offered beginning around April 2010. Customers who have had the remedy completed will have the opportunity to receive a new pedal at no charge if desired.

If you believe that the dealer or Toyota has failed or is unable to remedy the defect within a reasonable time, you may submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, S.E., Washington, D.C. 20590; or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153) or go to <http://www.safercar.gov>.

What if you have previously paid for your vehicle's accelerator pedal or floor surface to be modified to address the same condition described above?

If you have previously paid for your vehicle's accelerator pedal or floor surface to be modified to address the same condition described above, please mail a copy of your repair order, proof-of-payment, and proof-of-ownership to the following address for reimbursement consideration

Toyota Motor Sales, U.S.A., Inc
Toyota Customer Experience, WC10
19001 South Western Avenue
Torrance, CA 90509

If you are a vehicle lessor, Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the vehicle lessee within ten days of your receipt of this letter.

We have sent this notice in the interest of your continued satisfaction with our products.

Thank you for driving a Toyota.

Sincerely,

TOYOTA MOTOR SALES, U.S.A., INC.



Safety Recall 90L – Phase 3
Certain 2005 – 2010 Model Year Toyota Avalon Vehicles
Potential Floor Mat Interference with Accelerator Pedal Q&A
February, 2010

*Toyota is now launching **Phase 3** of Safety Recall 90L on certain 2005 - 2010 Avalon vehicles for potential floor mat interference with the accelerator pedal. The same templates and gauges provided to dealers for the Camry (Phase 2) will be utilized.*

Q1: What is the condition?

A1: As communicated last Fall, the defect is the potential for an unsecured or incompatible driver's floor mat to interfere with the accelerator pedal and cause it to get stuck in the wide open 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. ***Toyota has determined that this defect does not exist in vehicles in which the driver side floor mat is compatible with the vehicle and properly secured.***

Note: This Safety Recall will include Avalon vehicles equipped with accelerator pedals which are involved in Safety Recall A0A. Please refer to TIS for vehicle eligibility and for additional information.

Q2: What is Toyota going to do for vehicles affected by Safety Recall 90L?

A2: To make it less likely that an unsecured or incompatible driver's floor mat can interfere with the accelerator pedal, dealerships are requested to do the following:

- Modify both the rigid plastic accelerator pedal and the floor surface in the driver's foot-well.
- If the vehicle is equipped with a set of optional genuine Toyota All Weather Floor Mats (AWFM), it must be inspected to determine if the AWFM set is of an older design. If it is, the older design AWFMs for the driver and the front seat passenger positions will be replaced with newly designed mats.
- Before the vehicle is returned to the customer, inspect the front carpet and floor mat and clean them as appropriate.

As an additional measure independent of the vehicle-based recall remedy, Toyota will install a newly designed override system on Avalon vehicles to provide an extra measure of confidence. This system will cut engine power in case of simultaneous application of both accelerator and brake pedals at certain speeds and driving conditions.

While this Safety Recall is performed, dealerships will also verify if the vehicle is eligible for other Safety Recalls and Service Campaigns. Dealerships will make every effort to assure all applicable remedies are performed on the vehicle during the service appointment.

Q2a: Are Avalon Vehicles affected by this Safety Recall also affected by Safety Recall A0A?

A2a: Avalon vehicles affected by this Safety Recall are also involved in Safety Recall A0A. Safety Recall A0A was launched in early February, 2010. Owners will receive notifications for both Safety Recalls, simultaneously, beginning in late February, 2010.

Q3: What if a vehicle is equipped with a metallic sports pedal cover? Will the repair be performed on my vehicle?

A3: Toyota will need to remove the metallic sports pedal cover. Once the remedy is completed, due to the nature of the repair, we will not be able to reinstall the sports pedal cover. Please contact the Customer Experience Center (1-800-331-4331) for additional details and reimbursement consideration.

Q4: Can you provide me with additional information regarding the override system?

A4: As an additional measure independent of the vehicle-based recall remedy, Toyota will install a newly designed override system on the Toyota Avalon to provide an extra measure of confidence. This system will cut engine power in case of simultaneous application of both accelerator and brake pedals at certain speeds and driving conditions.

Q5: What should owners do until they have the recall remedy performed?

A5: Toyota has determined that the pedal entrapment can only occur in vehicles where the driver's side floor mat is not compatible with the vehicle and/or not properly secured.

To help reduce the risk of incorrect floor mat installation and/or application, we request that customers take out any **removable** driver's floor mat and NOT replace it with any other floor mat until the safety recall (campaign) remedy has been completed on the vehicle. After the campaign remedy has been completed, only floor mats designed specifically for the vehicle and which are properly secured should be installed on the driver's floor.

Q6: What if a customer chooses not to remove the floor mat currently installed in his/her vehicle, but would like to verify the installation and applicability?

A6: To help reduce the risk of incorrect floor mat installation and/or application, we request that customers take out any **removable** driver's floor mat and NOT replace it with any other floor mat until the safety recall (campaign) remedy has been completed on the vehicle. If the customer chooses not to take out the floor mat, please direct the customer to his/her local Toyota dealership's Parts or Service Department to verify whether the Toyota floor mat is designed specifically for the vehicle and to ensure that it is correctly installed. The floor mat should be removed before driving to the dealership. The dealership will ensure that the vehicle is equipped with the proper floor mat and that it is properly installed. After the campaign remedy has been completed, only floor mats designed specifically for the vehicle and which are properly secured should be installed on the driver's floor.

Q6a: What if a customer disposed of his/her Toyota genuine All Weather Floor Mat (AWFM)? Will he/she still receive a newly designed one?

A6a: If a customer has disposed of an older design Toyota genuine All Weather Floor Mat (AWFM), he/she may receive the replacement AWFM for the driver and front passenger seating positions upon proof-of-purchase of the original set.

Q7: What if a floor mat is an aftermarket rubberized floor mat?

A7: Driver's floor mat interference is possible if the floor mat is incompatible or incorrectly installed. Therefore, consumers need to make sure the floor mats are compatible for his/her model and model year. Also, they need to be sure they are properly secured using the appropriate retention device (clips). Driver's floor mats should never be stacked. Consumers should never place any floor mat – aftermarket or not on top of another driver's floor mat. Floor mats should also not be flipped over with the bottom-side up.

Q7a: When will Toyota genuine All Weather Floor Mats (AWFM) be available for purchase?

A7a: The newly designed Toyota genuine All Weather Floor Mats (AWFM) will become available for purchase again in a few months. Please check with your Toyota dealership regularly for specific availability dates.

Q8: What if a driver experiences accelerator pedal interference. What should they do?

A8: Should the vehicle continue to accelerate rapidly after releasing the accelerator pedal, this could be an indication of floor mat interference. If this occurs, Toyota recommends the driver take the following actions:

- First, if it is possible and safe to do so, pull-back the floor mat and dislodge it from the accelerator pedal; then pull over and stop the vehicle.
- If the floor mat cannot be dislodged, then firmly and steadily step on the brake pedal with both feet. Do not pump the brake pedal repeatedly as this will increase the effort required to slow the vehicle.
- Shift the transmission gear selector to the Neutral (N) position and use the brakes to make a controlled stop at the side of the road and turn off the engine.
- If unable to put the vehicle in Neutral, turn the engine OFF. This will not cause loss of steering or braking control, but the power assist to these systems will be lost.
 - If the vehicle is equipped with an Engine Start/Stop button, firmly and steadily push the button for at least three seconds to turn off the engine. Do NOT tap the Engine Start/Stop button.
 - If the vehicle is equipped with a conventional key-ignition, turn the ignition key to the ACC position to turn off the engine. Do NOT remove the key from the ignition as this will lock the steering wheel.

Q9: Are there any other Toyota or Lexus vehicles involved?

A9: As outlined in the Consumer Advisory issued by NHTSA and Toyota, the following vehicles are involved:

Lexus

2007 – 2010 ES

2006 – 2010 IS

Toyota

2005 – 2010 Avalon

2007 – 2010 Camry & Camry Hybrid

2004 – 2009 Prius

2005 – 2010 Tacoma

2007 – 2010 Tundra

2009 - 2010 Corolla

2009 - 2010 Matrix

2009 - 2010 Venza

2008 - 2010 Highlander & Highlander Hybrid

Q9a Will the other Toyota and Lexus vehicles listed in the Consumer Advisory receive the same safety recall remedy?

A9a: We are currently in the process of developing the remedies for the remaining vehicles. We will notify owners as soon as the remedy for their vehicle is available.

Q9b: When will the remedy for the remaining vehicles be completed?

A9b: We are currently in the process of developing the remedies for the remaining models. We anticipate it will take several months to develop all of those remedies.

Q9c: What is Toyota's timing for announcing the remedy on the affected vehicles?

A9c: Toyota's Timing is as follows: (Additional details will be provided as they become available)

Safety Recall No.	Phase	Model	Dealer	Owner Letter Start
90L	1	2007 – 2010 Camry/Camry HV (For Camry vehicles not involved in A0A)	02/02/2010	02/16/2010
	2	2007 – 2010 Camry (For Camry vehicles involved in A0A)	02/04/2010	02/16/2010
	3	2005 – 2010 Avalon (Avalon vehicles also involved in A0A)	02/23/2010	Late February
	TBD	2009 - 2010 Corolla, 2008 - 2010 Highlander/Highlander HV, 2009 - 2010 Matrix, 2004 – 2009 Prius, 2005 – 2010 Tacoma, 2007 – 2010 Tundra, 2009 - 2010 Venza	TBD	TBD

Q9d: What should customers do if his/her vehicle is involved in this phase of the Safety Recall, but they haven't received his/her owner letter?

A9d: Toyota will begin mailing Safety Recall Notices by first class mail to certain '05 - '10 Avalon owners starting in late February, 2010. The owner letters will be spread over several months consistent with parts supply and repair capacity. We ask customers for their patience as we mail the letters.

Until these important remedies are completed, to help reduce the risk of incorrect floor mat installation and/or application, we request that customers take out any **removable** driver's floor mat and NOT replace it with any other floor mat until the safety recall (campaign) remedy has been completed on the vehicle. After the campaign remedy has been completed, only floor mats designed specifically for the vehicle and which are properly secured should be installed on the driver's floor.

In the event a customer chooses not to take out the removable floor mat, Toyota strongly recommends that the customer ensure that the correct floor mat is being used, that it is properly installed and secured, that it is not flipped over with the bottom-side up, and that one floor mat is not stacked over another. Please visit <http://www.toyota.com/floormats> for additional information.

Q9e: Do customers need the owner letter to set-up an appointment with his/her Toyota dealership?

A9e: If the safety recall remedy has been launched for the specific model and accelerator pedal, customers will not need the owner letter to set up an appointment with his/her Toyota dealership.

Q10: What if an owner has additional questions or concerns?

A10: Owners with questions or concerns are asked to please contact the Toyota Customer Experience Center at 1-888-270-9371 Monday through Friday, 5:00 am to 6:00 pm, or Saturday 7:00 am through 4:00 pm Pacific Standard Time. They may also consult the information posted at <http://www.toyota.com/floormats>.

Q10a: What if an owner has previously paid for repairs to modify the vehicle's accelerator pedal and/or floor surface to address this condition?

A10a: Owners that have previously paid for their vehicle's accelerator pedal and/or floor surface to be modified to address this specific condition are requested to mail a copy of the repair order, proof-of-payment, and proof-of-ownership to the following address for reimbursement consideration

Toyota Motor Sales, U.S.A., Inc
Toyota Customer Experience Center, WC10
19001 South Western Avenue, Torrance, CA 90509

Q10b: What if an owner has experienced unintended acceleration and his/her vehicle is not involved in either of these safety recalls?

A10b: If an owner of a Toyota vehicle that is not covered by these recalls believes that he/she has experienced unintended acceleration with their vehicle, they are requested to immediately contact an authorized Toyota dealer. The Toyota dealer will evaluate the consumer's complaint.

Q10c: Why aren't other models included in this safety recall?

A10c: Other models are not involved in this safety recall. Toyota does not have reason to believe that the vehicle's accelerator pedal or floor is configured in a way that creates an unreasonable risk of pedal entrapment. Nevertheless, there is a risk of accelerator pedal entrapment in any vehicle if inappropriate or unsecured floor mats are in use. Please check the driver's side floor area and remove any improperly installed floor mat. Never use an all weather floor mat on top of a removable carpeted mat, never install an all weather floor mat upside down, and never use an all weather floor mat that is incompatible with your vehicle.

Note: Please reference the specific Q&A for models requiring the reinforcement bar (included in the separate Safety Recall).

Q11: Will a rental (TRAC) vehicle be made available for customers by Toyota for this Safety Recall?

A11: The safety recall remedy will take approximately two hours to complete. Therefore a rental vehicle will not be provided.

Q12: What will the modified accelerator pedal look like?

A12: The accelerator pedal will be modified to slightly decrease the overall foot pad and pedal arm length. Any local Toyota dealer will be more than happy to go over the entire repair with the customer. We ask that they make an appointment as soon as possible.

Q12a: What if a customer is not satisfied with the appearance of the modified accelerator pedal?

A12a: The change in appearance to the pedal is not noticeable once it is installed in a vehicle. However, in the event a customer is not satisfied, a replacement accelerator pedal will be offered beginning around April, 2010. Customers who have had the remedy completed will have the opportunity to receive a replacement pedal at no charge if desired.

Q12b: Can I wait to have the accelerator pedal replaced with a newly designed one rather than have my current accelerator pedal modified?

A12b: Customer safety is important to Toyota. We ask that customers have the pedal modified as soon as possible to make the vehicle more resistant to an unsecured or incompatible driver's floor mat interfering with the accelerator pedal. Once a newly designed accelerator pedal is available, if the customer is not satisfied with the appearance of the modified pedal, they may request the pedal to be replaced.

Q12c: Will Toyota send another owner letter when the newly designed accelerator pedal becomes available?

A12c: There will not be another owner letter sent when the newly designed accelerator pedal is available. If customers are not satisfied with the appearance of the modified accelerator pedal, we ask that they check with his/her dealership in a few months and to see if the newly designed pedal is available.

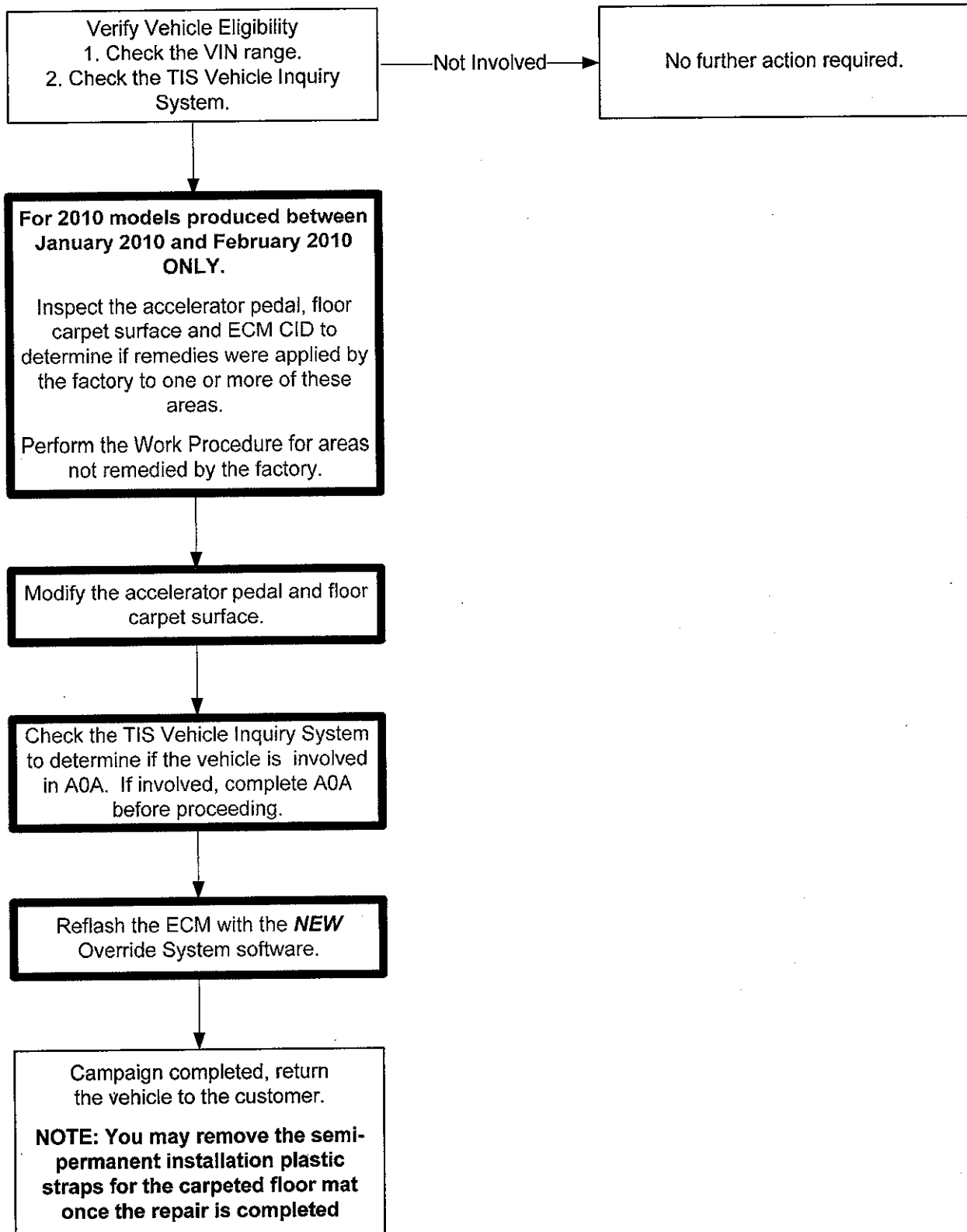
Q13: Will Toyota clean the vehicle carpet for those owners that followed the Consumer Safety Advisory and removed his/her floor mats?

A13: Your local Toyota dealership will inspect and clean the driver's carpet and floor mat as appropriate.

TECHNICAL INSTRUCTIONS
FOR
SAFETY RECALL 90L
ACCELERATOR PEDAL MODIFICATION
2005 – 2010 MODEL YEAR AVALON

See page 19 for important information regarding vehicles involved in this recall and Safety Recall A0A "Accelerator Pedal reinforcement Bar Installation".

I. OPERATION FLOW CHART



II. IDENTIFICATION OF AFFECTED VEHICLES

A. AFFECTED VIN RANGE

Model	WMI	Year	VIN Range	
			VDS	Range
AVALON	4T1	2005	BK36B	U001003 – U062426
		2006	BK36B	U042154 – U167717
		2007	BK36B	U149048 – U253880
		2008	BK36B	U209130 – U324241
		2009	BK36B	U305357 – U351925
		2010	BK3DB	U351302 – U368701

NOTE:

- Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this Safety Recall, and that the campaign has not already been completed prior to dealer shipment or by another dealer.
- TMS warranty will not reimburse dealers for repairs conducted on vehicles that are not affected or were completed by another dealer.

III. PREPARATION

A. PARTS

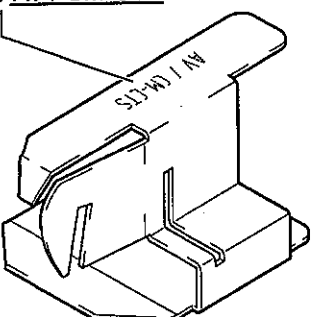
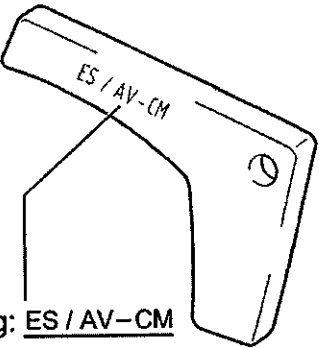
Part Number	Part Description	Quantity
58569-07010	Tibia Pad	1
78118-41010	Rubber Pad	1

B. TOOLS & EQUIPMENT

- Dust mask
- Hair dryer or Low temperature heat gun
- Hack saw
- Hand file
- Orbital sander *
- Protective eyewear
- Protective work gloves
- Reciprocating Saw *
- Scribe
- Standard hand tools
- Techstream
- Torque wrench
- Workbench with vise

* One orbital sander and one reciprocating saw was provided to each dealership during phase 1 of this Safety Recall.

C. ACCELERATOR PEDAL TEMPLATE & GAUGE

Cutting Template (Color: White) **	Shape Gauge (Color: Silver) **
<p>Stamping: <u>AV / CM-CTS</u></p> 	 <p>Stamping: <u>ES / AV-CM</u></p>

** One cutting template and one shape gauge was provided to each dealership during phase 2 of this Safety Recall.

D. MATERIALS

- Bubble wrap
- Double sided tape – (¾" wide Scotch ® Heavy Duty Mounting Tape 110-Long)
- Industrial tape – (2" wide Gorilla Tape ®)
- Masking tape
- Sandpaper 400 grit
- Shop cloth

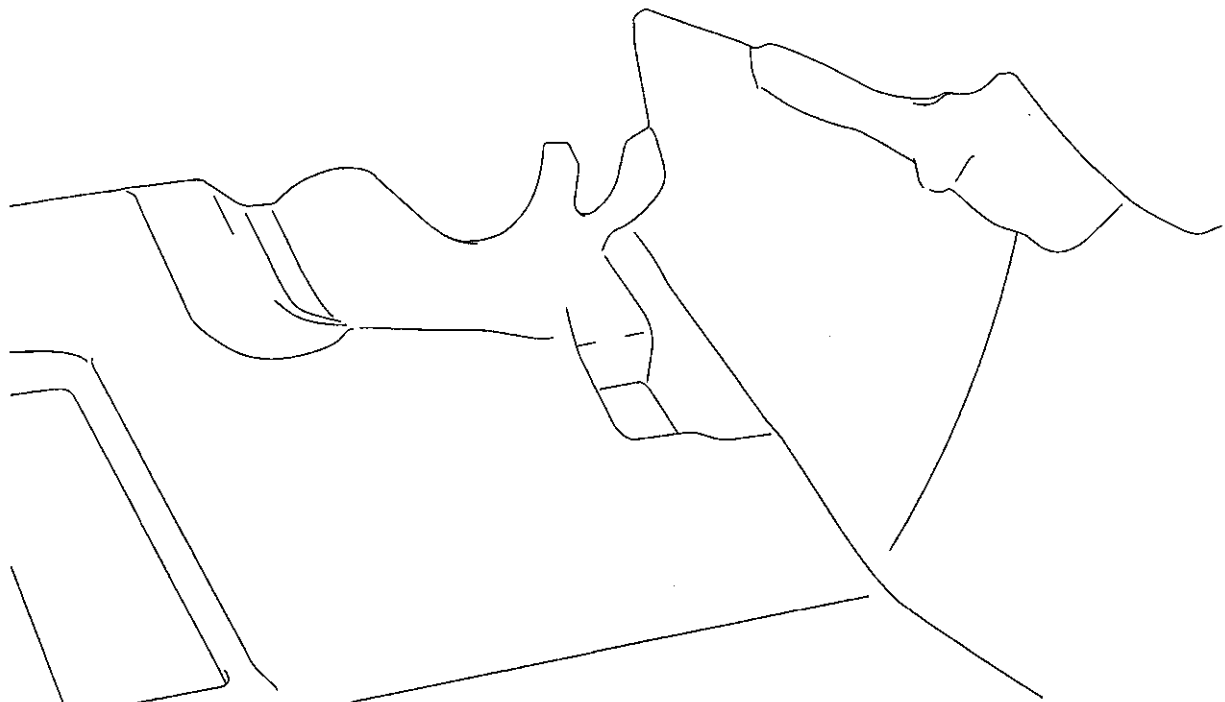
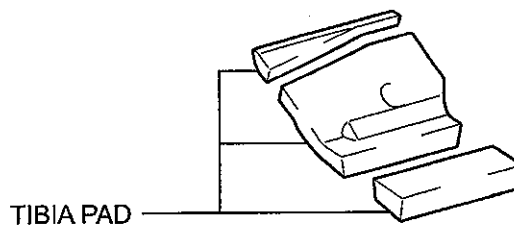
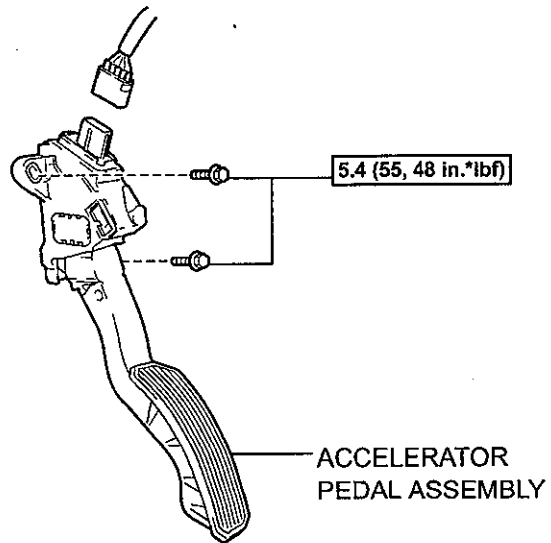
IV. BACKGROUND

In early October, Toyota announced it will initiate a Safety Recall Campaign (Special Service Campaign) for potential floor mat interference with the accelerator pedal. The condition involves the potential for an unsecured or incompatible driver's floor mat to interfere with the accelerator pedal and cause it to get stuck in the wide open position.

- The accelerator pedal will be modified to reduce the risk of an unsecured or incompatible floor mat from interfering with the accelerator pedal.
- Foam pads underneath the carpet in the accelerator pedal area will also be removed and/or replaced to modify the shape of the floor.
- Vehicles equipped with the optional genuine Toyota All Weather Floor Mats (AWFM) will be inspected to determine if the AWFM set is of an older design. If it is, the older design AWFM for the driver and the front passenger will be replaced with newly designed ones.
- Finally, the ECU will be reflashed with newly designed software to provide customers an extra measure of confidence. This reflash will allow the system to cut engine power in case of simultaneous application of both the accelerator and brake pedals during certain driving speeds.

V. WORK PROCEDURE

A. COMPONENTS



N*m (kgf*cm, ft.*lbf): Specified torque



SHIFT LEVER KNOB
SUB-ASSEMBLY



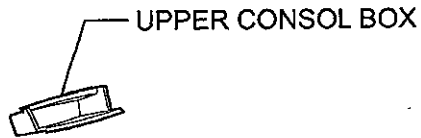
POSITION INDICATOR
HOUSING ASSEMBLY

w/ Seat Heater System:

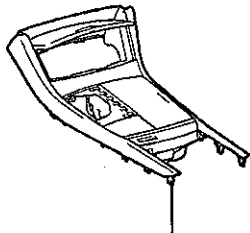


SEAT HEATER SWITCH

w/ Box:

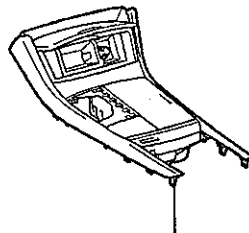


UPPER CONSOL BOX



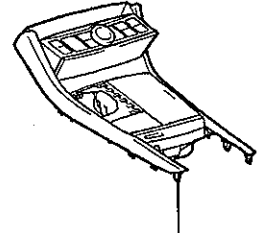
UPPER CONSOLE
PANEL SUB-ASSEMBLY

w/ Ash Receptacle:

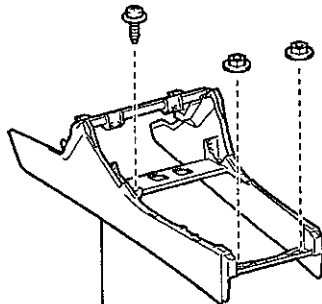


UPPER CONSOLE
PANEL SUB-ASSEMBLY

w/ Navigation:

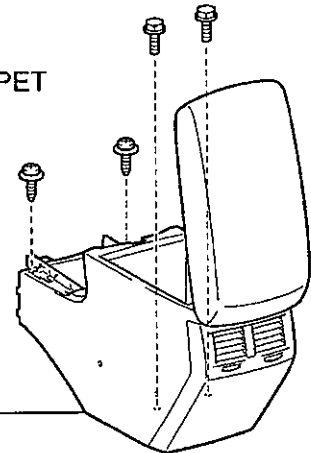


UPPER CONSOLE
PANEL SUB-ASSEMBLY



CONSOLE BOX FRONT

CONSOLE BOX CARPET

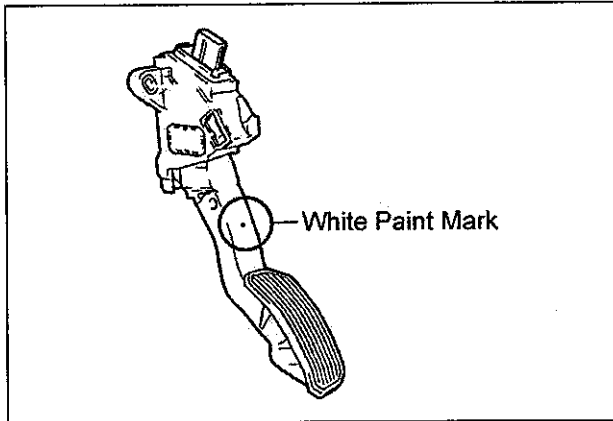


CONSOLE BOX ASSEMBLY

B. PRELIMINARY INSPECTION FOR 2010 MODELS ONLY



- The following inspection procedure is to determine if some 2010 models produced between January 2010 and February 2010 may have had remedies applied to the accelerator pedal, floor carpet or ECU CID by the factory.
- If applicable, perform the Work Procedure **ONLY** for areas **NOT** remedied by the factory.



1. INSPECT THE ACCELERATOR PEDAL ASSEMBLY

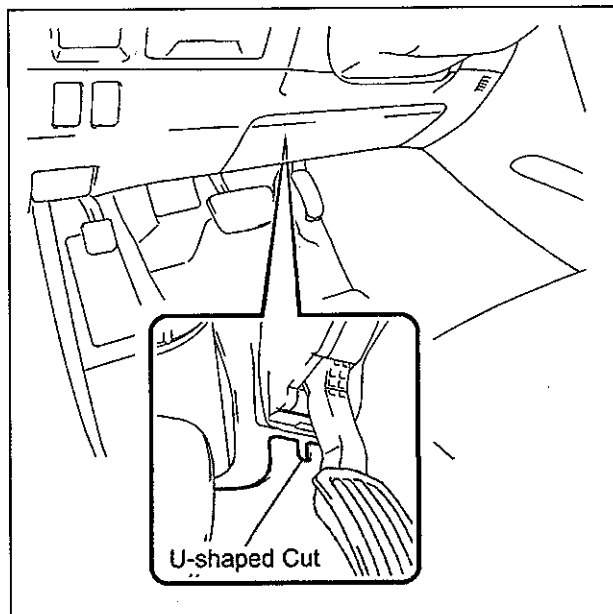
- a) Verify if the accelerator pedal assembly has a white paint mark in the location shown.

With White Paint Mark:

- The accelerator pedal remedy has been applied by the factory, NO modification is required.

NO Paint Mark:

- The accelerator pedal requires modification. Make sure to perform the modification process during the Work Procedure.



2. INSPECT THE FLOOR CARPET

- a) Verify if the floor carpet has a "U" shaped cut in the location shown.

With "U" Shaped Cut:

- The floor carpet remedy has been applied by the factory, NO modification is required.

NO "U" Shaped Cut:

- The floor carpet requires modification. Make sure to perform the modification process during the Work Procedure.

3. INSPECT THE ECU CALIBRATION ID (CID)

- a) Verify if the ECU has the **NEW** CID.

With **NEW** ECU CID:

- The ECU CID has been applied by the factory, NO modification is required.
- Confirm the vehicle has the correct floor mat following the instructions on page 21.

With Current ECU CID:

- The ECU CID requires updating. Make sure to perform the updating process during the Work Procedure.

ECU CID

Model Year	Current CID	New CID
2010	30710000	30710100

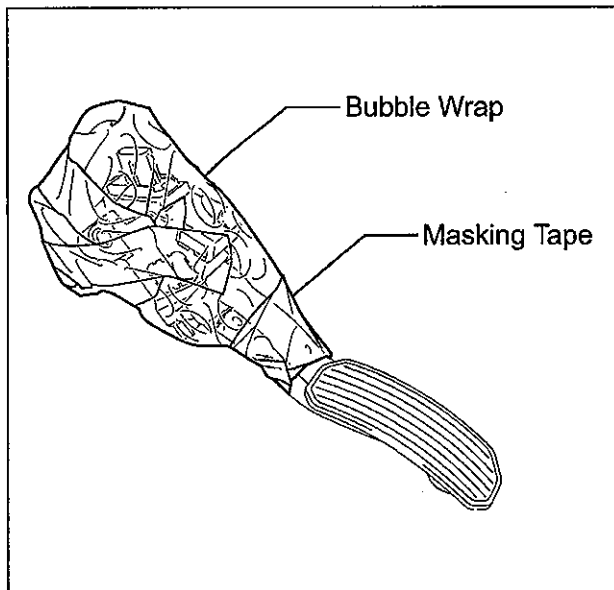
C. REMOVE AND CUT THE ACCELERATOR PEDAL



ACCELERATOR PEDAL HANDLING NOTES:

- DO NOT drop
- DO NOT reuse an accelerator pedal that has been dropped
- 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

[CLICK HERE TO WATCH THE VIDEO BEFORE BEGINNING THE WORK PROCEDURE](#)



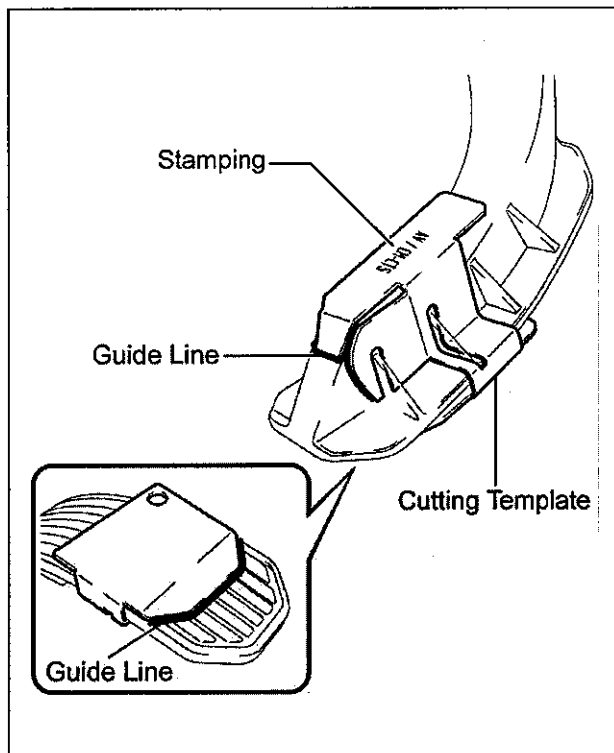
1. REMOVE THE ACCELERATOR PEDAL ASSEMBLY

[Click here to watch the video to supplement this step](#)

- a) Disconnect the accelerator pedal connector.
- b) Remove the 2 bolts.
- c) While still inside the vehicle, use bubble wrap and masking tape to cover and protect the sensor.

NOTE:

- For additional information on accelerator pedal removal, please refer to TIS.
- 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.



2. MARK THE AREA TO BE CUT

[Click here to watch the video to supplement steps 2-3](#)

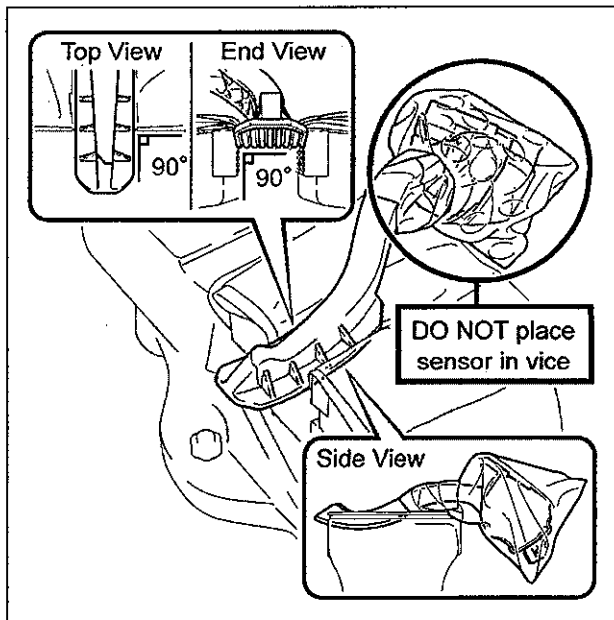
- a) Firmly set the template to the pedal and scribe guide lines to outline the area to be cut.

Cutting Template:

- Color: White
- Stamping: AV / CM-CTS

NOTE:

- DO NOT mark the area beyond the template.
- Use a flat tip screwdriver if a scribe is not available.
- Make sure to use the correct cutting template by verifying the color and stamping.
- Never cut or sand the pedal while the template is on the pedal.

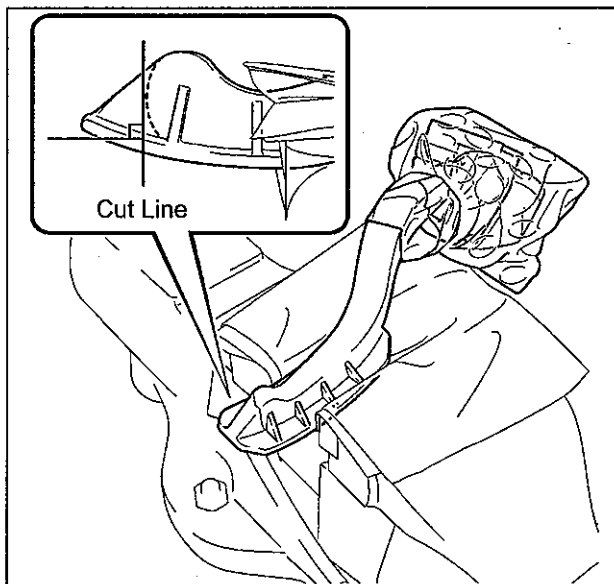


3. SECURE THE ACCELERATOR PEDAL ASSEMBLY

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

NOTE:

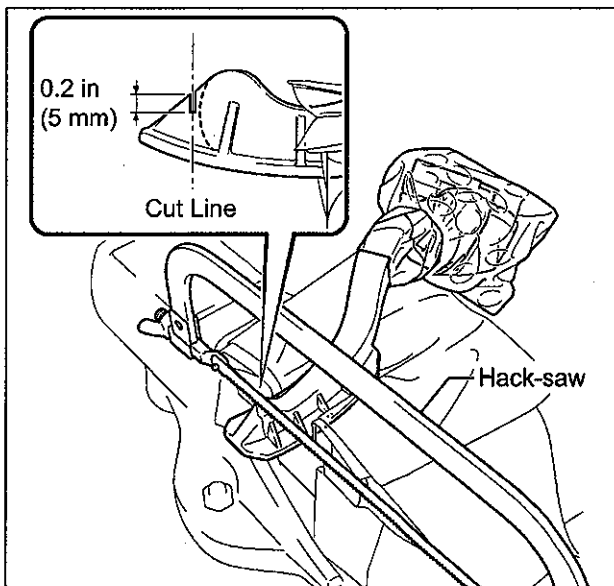
- **DO NOT** place the sensor in the vise to avoid damage.
- **Firmly** secure the pedal to prevent it from moving.
- **DO NOT** over tighten the vise.



4. CUT THE LOWER SECTION OF THE ACCELERATOR PEDAL ASSEMBLY

[Click here to watch the video to supplement steps 4-11](#)

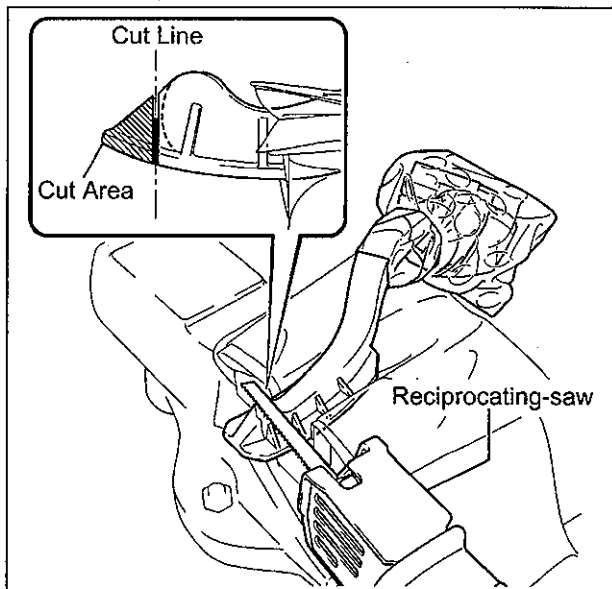
- a) The cut line is slightly outside from the scribed line and its positioned 90 degrees from the pedal foot pad as illustrated.



- b) Using a hack-saw, cut the pedal 0.2 in (5 mm) to create a guide cut for the reciprocating-saw.

NOTE:

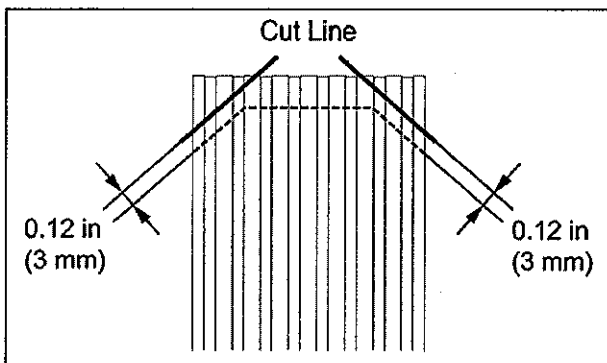
- **Always** wear protective eyewear, gloves, and dusk mask when cutting.
- **Guide** cut must be straight and clean.



- c) Using the reciprocating-saw, cut off the lower section of the pedal as illustrated.

NOTE:

- Always wear protective eyewear, gloves and dust mask when cutting.
- The cut must be straight and clean.
- Apply consistent pressure during cutting.
- Do not stop while cutting.

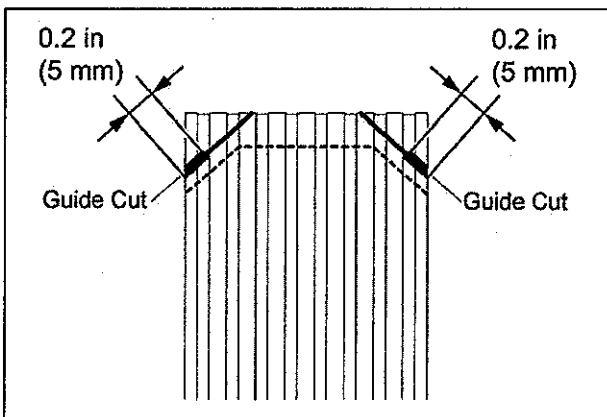


5. CUT THE CORNERS OF THE ACCELERATOR PEDAL ASSEMBLY

- a) Turn the pedal over in the vise so the top of the pedal is facing up; do not clamp the sensor portion of the pedal.
b) The cut line is 0.12 in (3 mm) outside from the scribed line as illustrated.

NOTE:

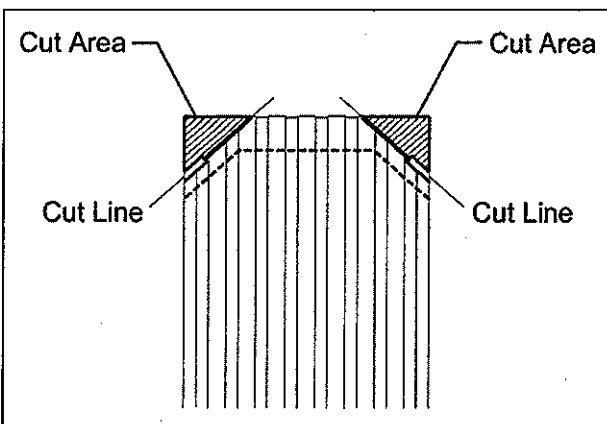
Do not cut at the scribed line. This area will be sanded later.



- c) Using a hack-saw, cut the pedal 0.2 in (5 mm) to create a guide cut for the reciprocating-saw.

NOTE:

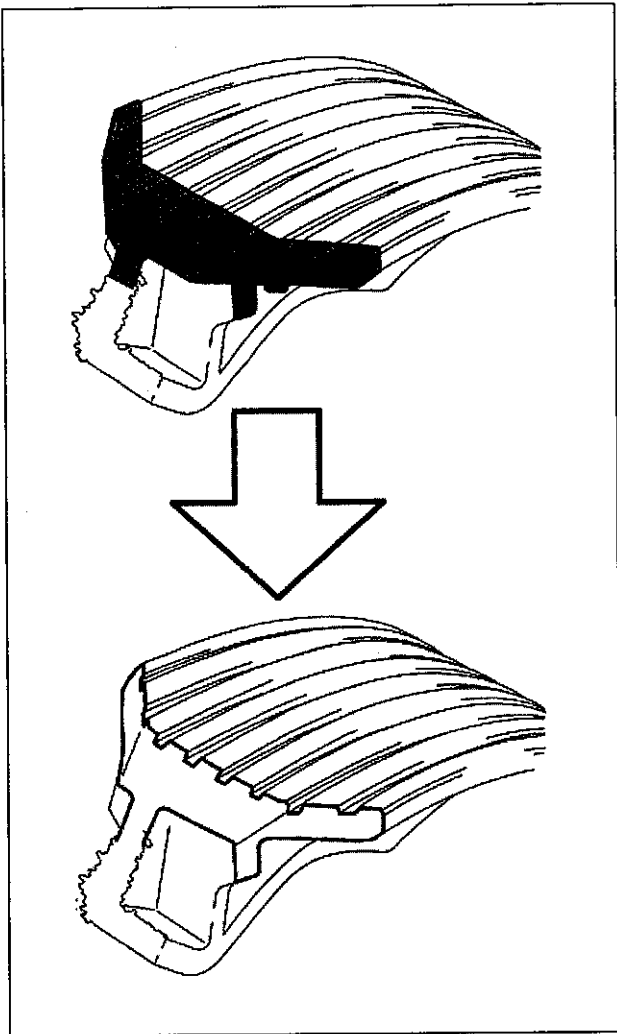
- Always wear protective eyewear, gloves, and dust mask when cutting.
- Guide cut must be straight and clean.



- d) Using the reciprocating-saw, cut off the pedal corners as illustrated.

NOTE:

- Always wear protective eyewear, gloves, and dust mask when cutting.
- Each cut must be straight and clean.
- Apply consistent pressure during cutting.
- Do not stop while cutting.

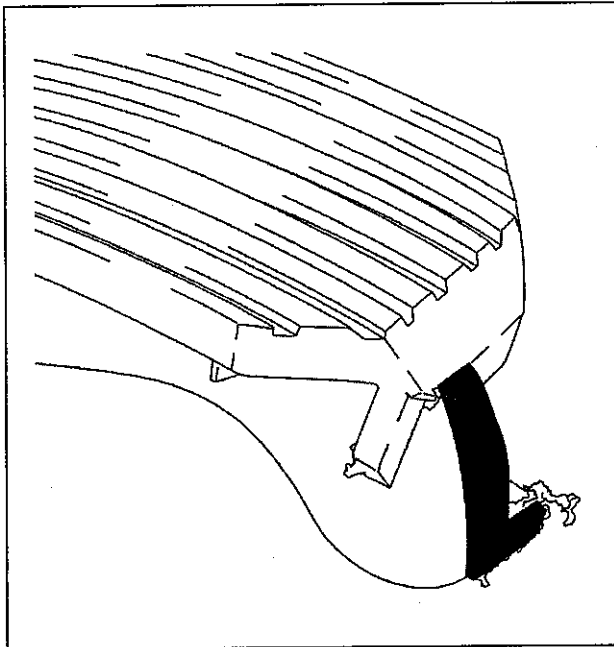


6. SAND THE TOP SURFACE

- a) Using an orbital sander, sand the top surface until you reach the scribed line and remove the edges and burrs. (remove the section of the pedal indicated in red)

NOTE:

Always wear protective eyewear, gloves, and dusk mask when sanding.

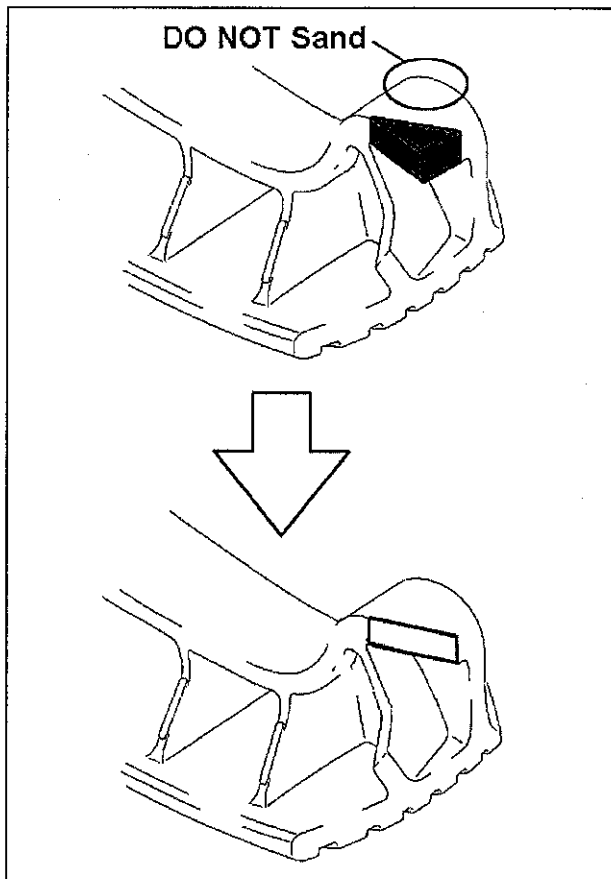


7. SAND THE RADIUS LINE

- a) Using an orbital sander, sand the scribed radius line and remove the edges and burrs.

NOTE:

Always wear protective eyewear, gloves, and dusk mask when sanding.

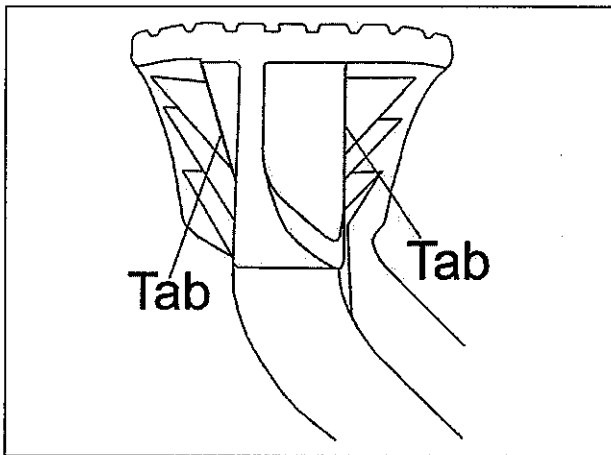


8. SAND THE LOWER CORNER NEAR THE PEDAL STOPPER

- Turn the pedal over in the vise so the bottom of the pedal is facing up; do not clamp the sensor portion of the pedal.
- Using an orbital sander and hand file, sand the lower corner near the pedal stopper.

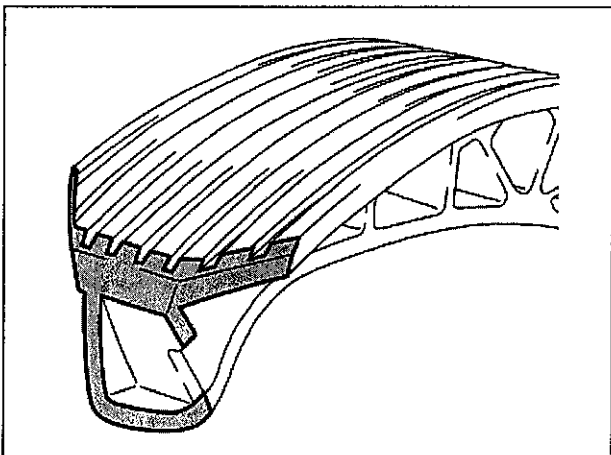
NOTE:

- Always wear protective eyewear, gloves, and dusk mask when sanding.
- Always use a shop cloth to protect the pedal when clamping it in a vise.
- DO NOT sand the pedal stopper area



9. FILE THE PEDAL ARM TABS

- File the tabs on both sides of the pedal arm; file until the tabs do not extend beyond the foot pad and no longer have sharp edges.

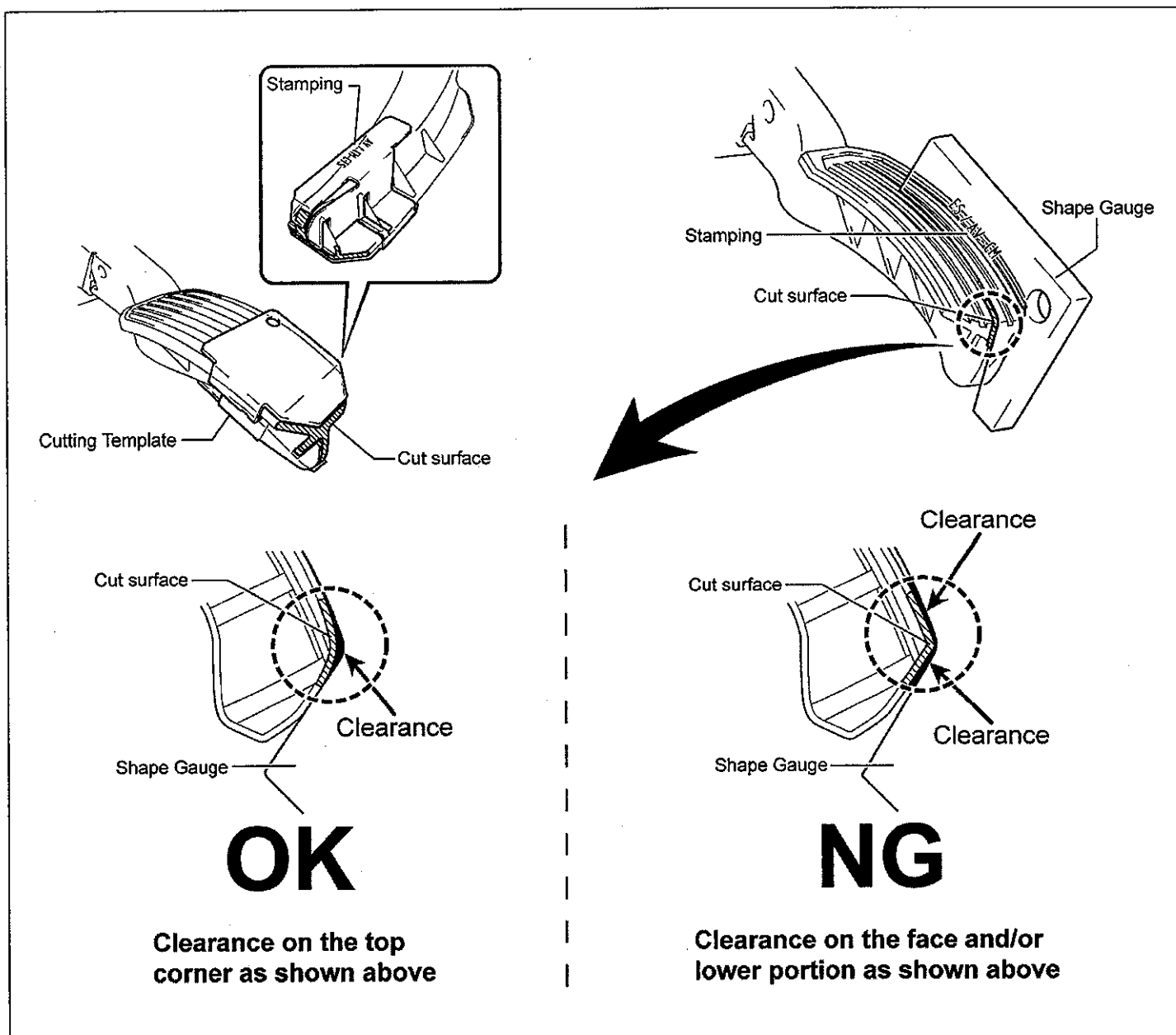


10. REMOVE ALL BURRS FROM THE CUTTING SURFACE

- Finish removing all burrs from the cutting surface. The cut surface along the foot pad should be rounded and not square.
- Finish the cut surface and all edges with 400 grit sandpaper.

NOTE:

Always wear protective eyewear, gloves, and dusk mask when sanding.



11. CHECK THE SHAPE OF THE PEDAL

- a) Using the correct cutting template and shape gauge, check the shape of the pedal.

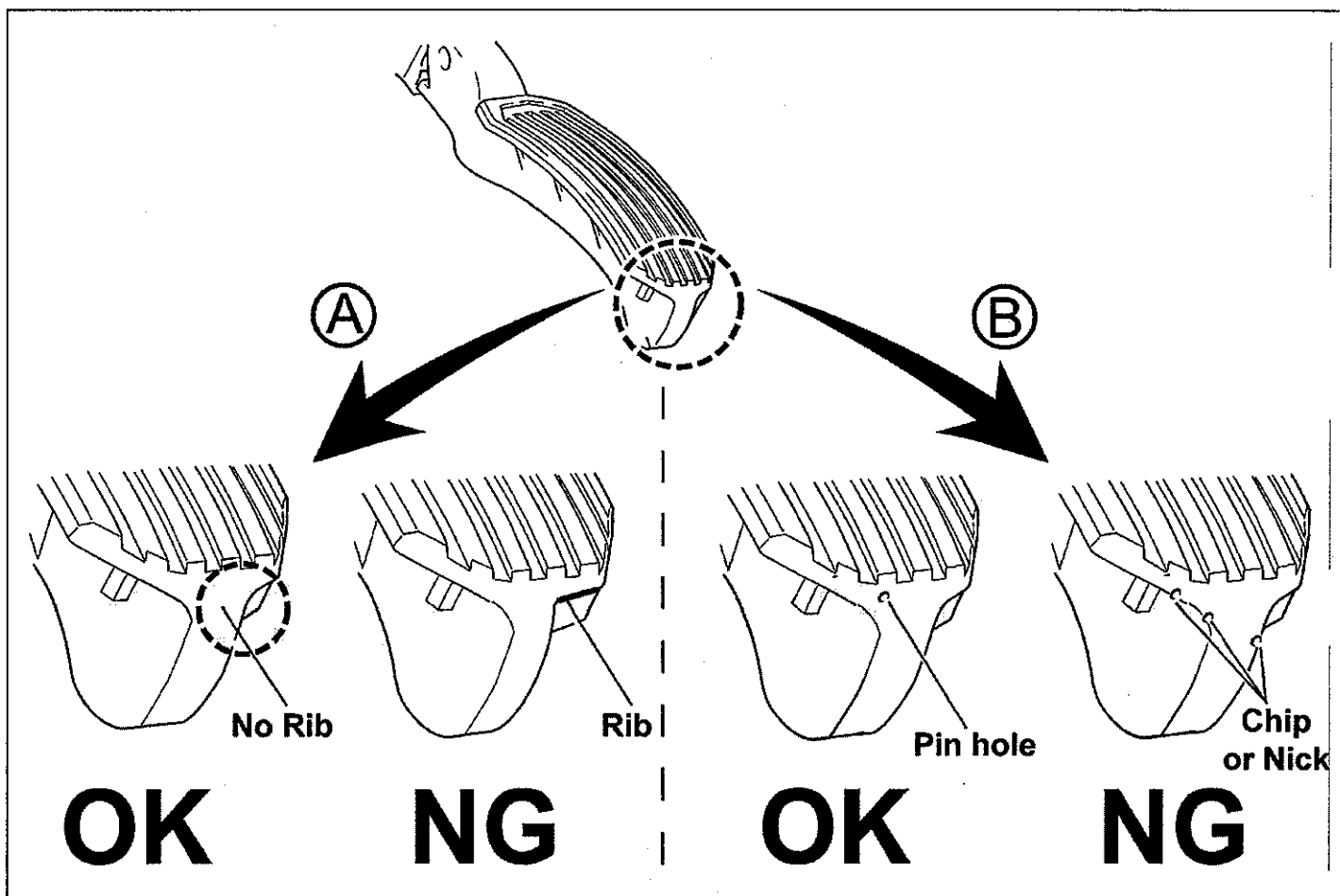
Cutting Template
Color: White
Stamping: AM / CM-CTS

Shape Gauge
Color: Silver
Stamping: ES / AV-CM

- b) If the shape does NOT match the template and/or gauge, continue filing.
c) If the shape matches the template and gauge, touch the cut surface with your hand to verify it is smooth and free of burrs.

NOTE:

- Always wear protective eyewear, gloves and dusk mask when sanding or filing.
- A tolerance of -1.0 mm is permissible between the final cut surface and the template.

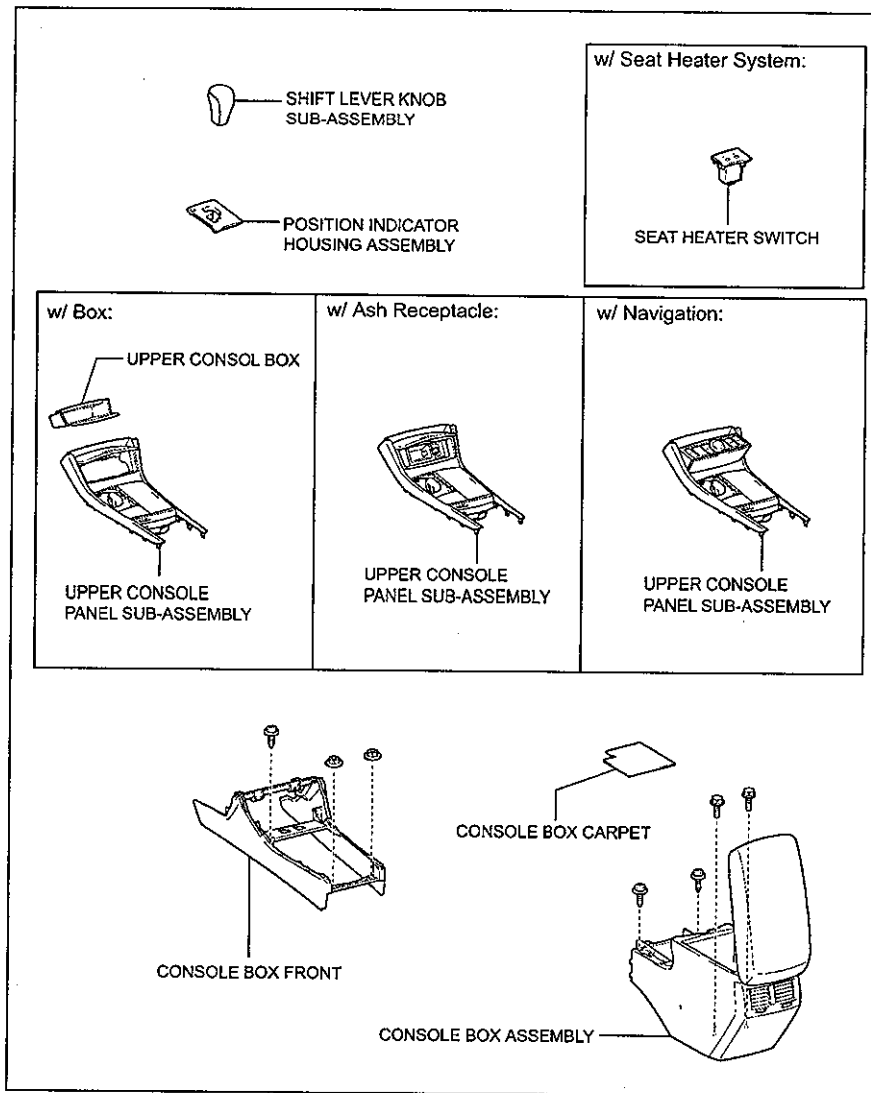


- d) Check for a rib as shown. If there is a rib, file it until it is gone.
- e) Check for any chips, nicks or sharp edges on the finished surface edge. If there are any chips, nicks or sharp edges file them to make them smooth.

NOTE:

The key point of judgment is a "smooth pedal surface".

D. FLOOR CARPET MODIFICATION



1. REMOVE THE FOLLOWING COMPONENTS

Click here to watch the video to supplement steps 1-6

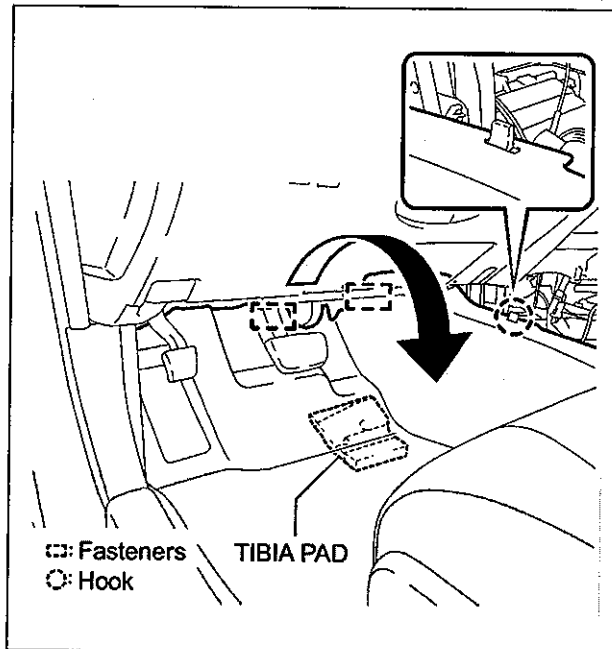
- Shift lever knob sub-assembly
- Position indicator housing assembly
- Seat heater switch (*if equipped*)
- Upper console panel sub-assembly
- Console box carpet
- Console box assembly
- Front console box

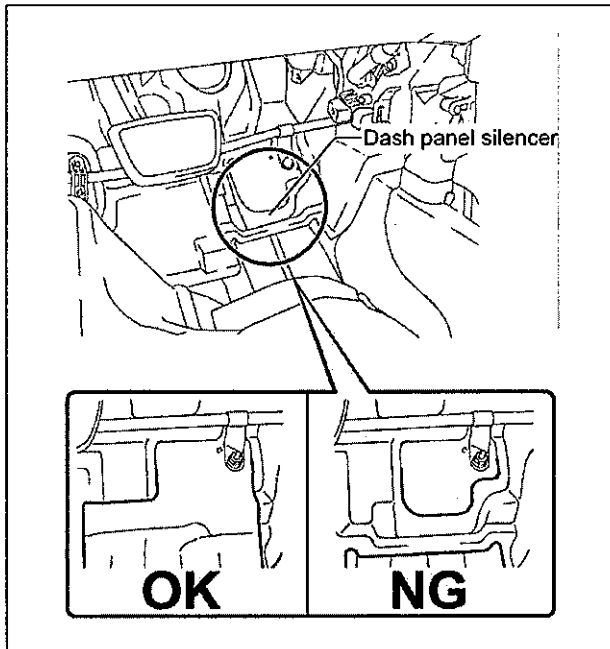
NOTE

For additional information on removal of the components above, please refer to TIS.

2. PULL BACK THE FLOOR CARPET

- Disengage the 2 fasteners.
- Disengage the floor carpet from the hook and pull it back as illustrated.





3. INSPECT THE LOWER PORTION OF THE FABRIC FLOOR SILENCING MATERIAL

- a) Inspect the lower portion of the fabric floor silencing material.
 - If OK, proceed to step 4 "RUBBER PAD APPLICATION" below.
 - If NG, please refer to APPENDIX "B" for "CUT THE FLOOR SILENCING MATERIAL"

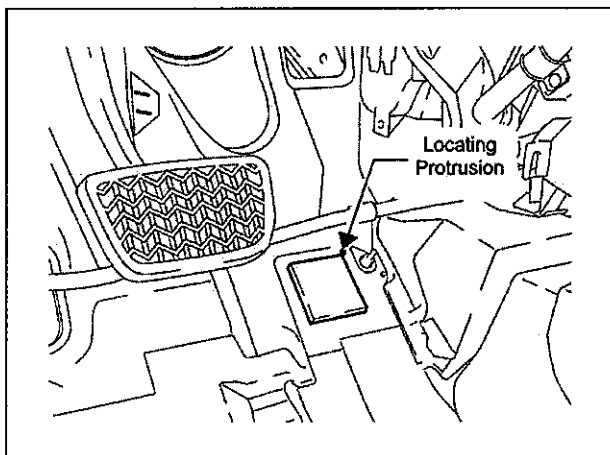
NOTE:

The fabric floor silencing material is a soft, gray, paper-like material beneath the carpet.

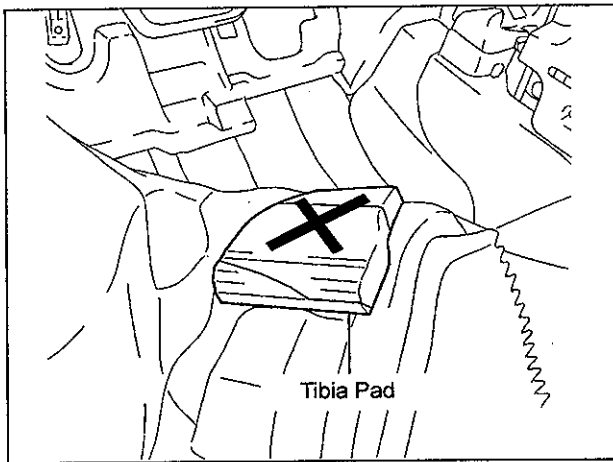


4. RUBBER PAD APPLICATION

- a) Inspect the rubber pad application area for sound deadening material.
 - If OK (no sound deadening material in pad application area), proceed to step "b" below.
 - If NG (sound deadening material found in application area), please refer to APPENDIX "C" for "REMOVE THE SOUND DEADENING MATERIAL".



- b) Clean and degrease the rubber pad application area.
- c) Peel the double sided tape cover off the **NEW** rubber pad.
- d) Apply the rubber pad to the floor pan. The upper right corner of the rubber pad needs to be positioned next to the locating protrusion.

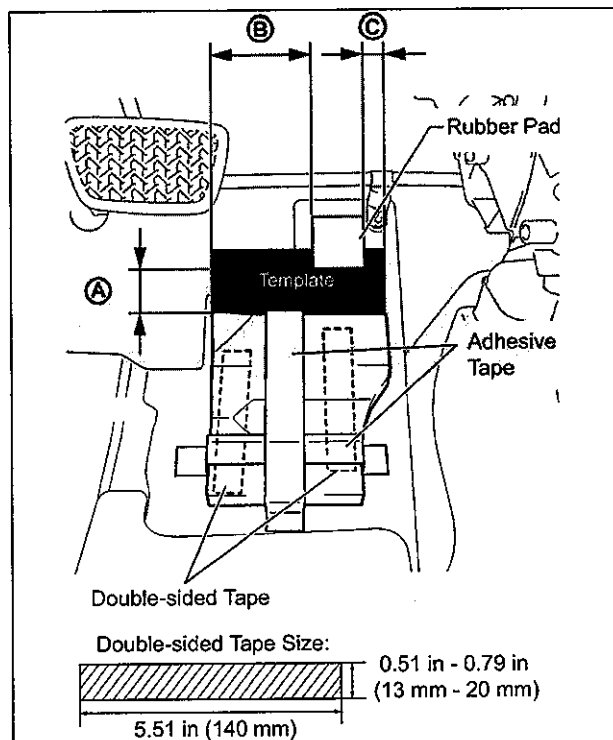


5. REMOVE THE TIBIA PADS

- Place an "X" mark on the tibia pads before removing. This will prevent them from being mixed up with the new pads.
- Using a hair dryer or a low temperature heat gun, warm up the carpet side of the tibia pads until the adhesive is loose. This will make it easier to remove the tibia pads from the carpet. **Pay close attention when using the hair dryer or low temperature heat gun to prevent damage to the carpet.**
- Remove the tibia pads. **CAUTION: DO NOT** forcefully pull the pads. Doing so may damage the carpet. If necessary, re-heat the carpet to make the adhesive more pliable.



Carefully take the time to understand Step 6 (Next step). It is necessary to correctly complete this procedure to prevent the tibia pads from slipping.



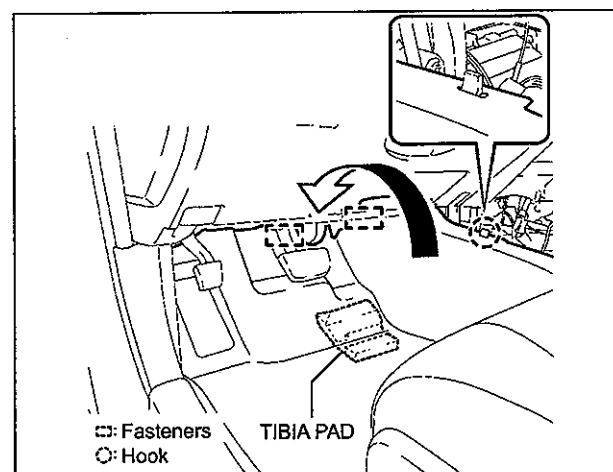
6. INSTALL THE NEW TIBIA PADS

- Use the Tibia Pad Placement Template (Template is located in the Appendix) to identify the location of the **NEW** Tibia pad on the floor pan.
- Apply double sided tape to the bottom (floor pan side) of the tibia pads and position the **NEW** Tibia pad to the floor pan as illustrated.
- Remove template.
- Apply a piece of industrial adhesive tape from the top to the bottom of the tibia pads.
- Apply a second piece of industrial adhesive tape from the left to the right side of the tibia pads.

NOTE:

Both pieces of industrial adhesive tape should have a good contact surface to the floor pan.

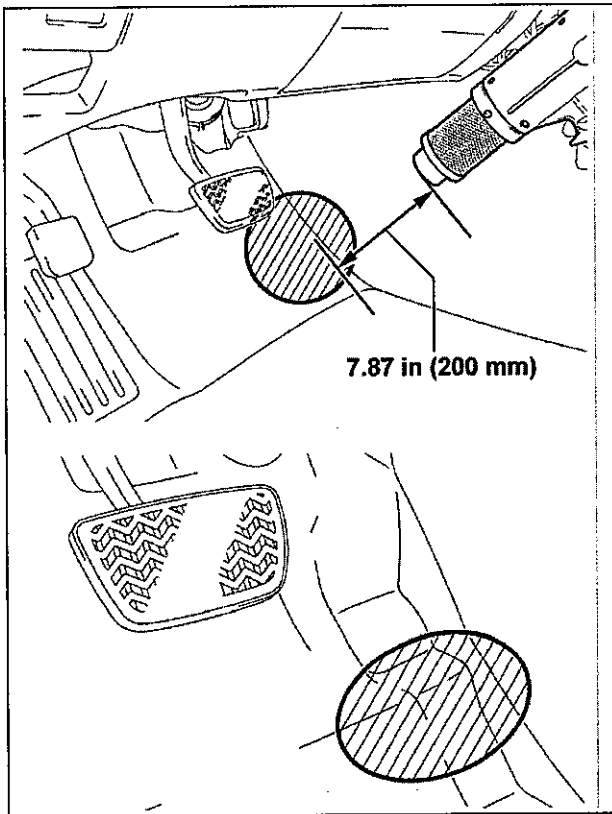
Part	Length	
A	1.96 in	49.9 mm
B	3.25 in	82.6 mm
C	0.61 in	15.4 mm



- Place the floor carpet back into position and engage the hook as shown in the illustration.
- Engage the 2 fasteners.

NOTE:

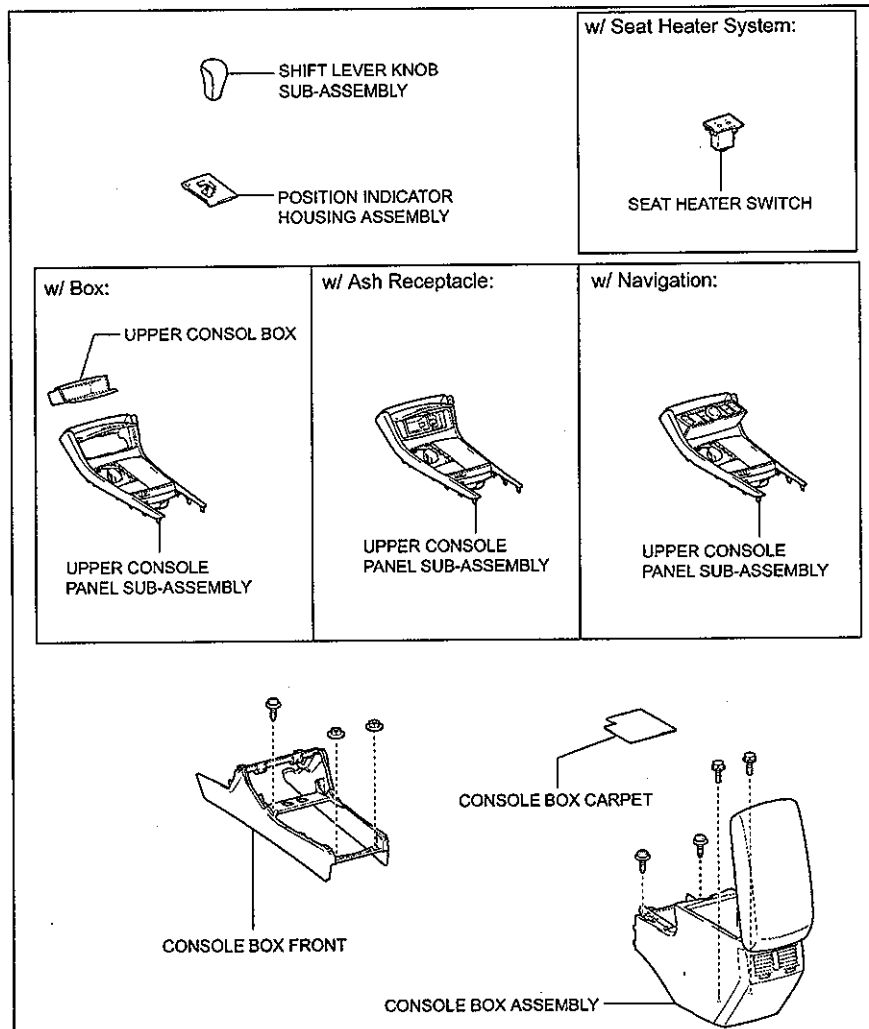
Be careful not to detach the tibia pads when placing the carpet back into position.



- g) Heat the floor carpet area for 2 minutes as shown and smooth it out by pushing it with your hand. Heat the same area again for another minute, and smooth the carpet firmly.

NOTE:

- Always wear protective gloves when heating the floor carpet.
- Keep the hair dryer/ low temperature heat gun more than 8 inches (20 cm) away from the floor carpet, and stop after 1 or 2 minute intervals. Continuous heating of the floor carpet may cause damage.
- DO NOT leave hair drier or low temperature heat gun inside the vehicle when it is hot, to prevent unintended heat damage to interior parts.

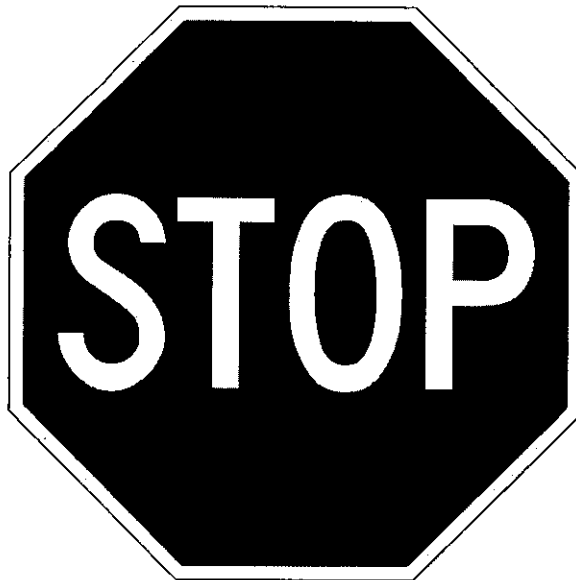


7. REINSTALL THE FOLLOWING COMPONENTS

- Front console box
- Console box assembly
- Console box carpet
- Upper console panel sub-assembly
- Seat heater switch (*if equipped*)
- Position indicator housing assembly
- Shift lever knob sub-assembly

NOTE

For additional information on installation of the components above, please refer to TIS.



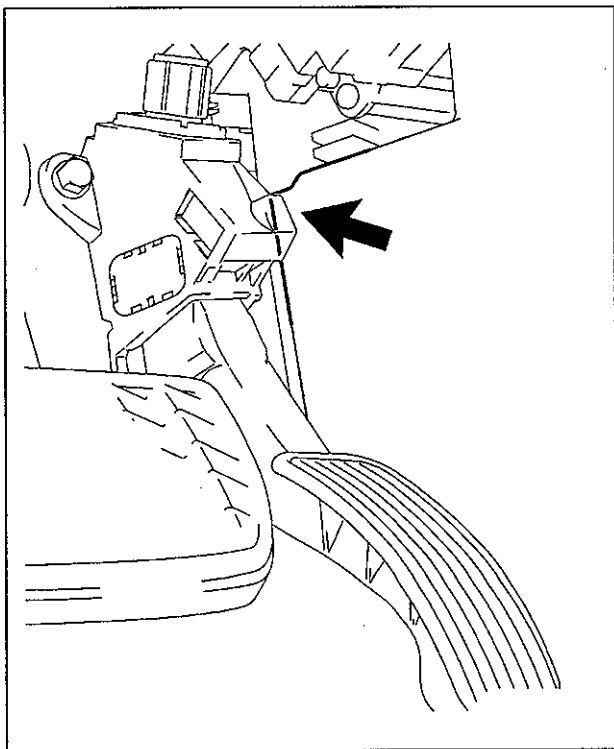
Important Note:
For vehicles involved in A0A
“CTS Accelerator Pedal Reinforcement Bar Installation”

1. Verify TIS / Vehicle Inquiry to confirm if the vehicle you are repairing is also involved in A0A.
2. If the vehicle is involved, complete Safety Recall A0A “CTS Accelerator Pedal Reinforcement Bar Installation” at this point.
3. Install the Reinforcement Bar only after cutting the accelerator pedal, if not previously completed.

Click here for a link to A0A

4. Resume these instructions after completing A0A.

E. REINSTALL THE ACCELERATOR PEDAL ASSEMBLY



1. REINSTALL THE ACCELERATOR PEDAL ASSEMBLY

Click here to watch the video to supplement steps 1-8

- Remove and discard the masking tape and bubble wrap from the accelerator pedal assembly, while it is inside the vehicle.
- Reinstall the pedal with the 2 bolts and torque to specification.

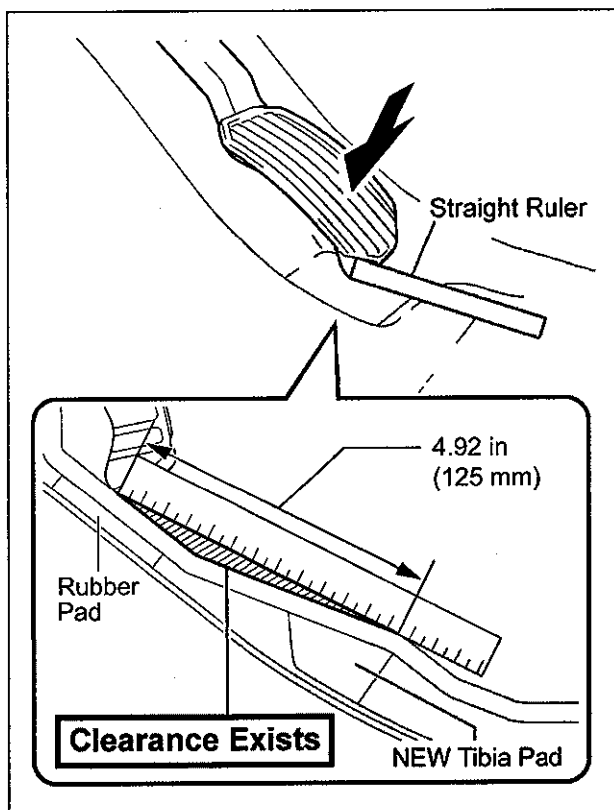
Torque Specification:

5.4 Nm (55 kgf cm, 48 in. lbf)

- Reconnect the accelerator pedal connector.
- Confirm the corner of the carpet is behind the accelerator pedal assembly as shown.

NOTE

- DO NOT** reuse the bubble wrap.
- For additional information on accelerator pedal installation, please refer to TIS.



2. INSPECT THE FLOOR CARPET

- With the accelerator pedal fully depressed, confirm clearance exists between the floor carpet and the straight ruler as shown.
- If no clearance exists, reshape the carpet again.
- Confirm the claw and all fasteners of the floor carpet are securely attached.

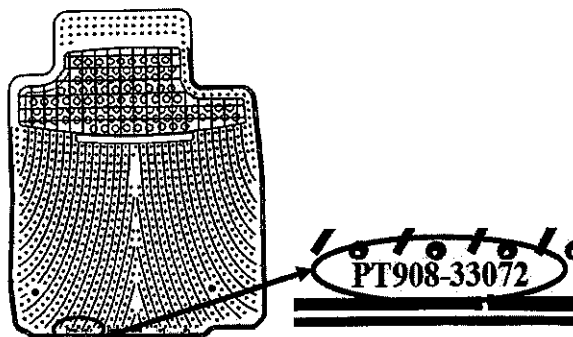
3. INSPECT THE FLOOR MAT

- Inspect the carpet and floor mat and clean them as appropriate.
- Confirm the correct floor mat for this model is secured with the retaining hooks (clips).
 - If the grommets in the floor for the vehicle are in poor condition, refer to the appropriate TSB and repair the grommets.

NOTE:

- If a Recalled All Weather Floor Mat (AWFM) has been identified, remove the AWFM from the vehicle and **CUT THE RECALLED AWFM SO THAT IT CANNOT BE REUSED.**
- You may remove the semi-permanent installation plastic straps for the carpeted floor mat once the repair is completed.

Locate the ten digit floor mat part number on the bottom of the back side of the mat as illustrated below. PLEASE NOTE, the floor mat part numbers are 12 digits but only the first ten are shown.



For Carpeted Floor Mats:

Utilizing the ten digit part number and the chart below, confirm the vehicle has the correct carpeted floor mat.

Part Number	Model	Type	03	04	07	08	09	10	Color
PT206-07090-02	Avalon	Carpeted					x	x	Ivory
PT206-07090-16	Avalon	Carpeted					x	x	Graphite
PT206-07090-17	Avalon	Carpeted					x	x	Lt Gray
PT206-07090-18	Avalon	Carpeted					x	x	Dk Charcoal
PT548-07050-10	Avalon	Carpeted	x	x	x	x	x	x	Ivory
PT548-07050-11	Avalon	Carpeted	x	x	x	x	x	x	Lt Gray
PT548-07050-12	Avalon	Carpeted	x	x	x	x	x	x	Dk Charcoal
PT548-07050-22	Avalon	Carpeted	x	x	x	x	x	x	Graphite
PT548-07070-10	Avalon	Carpeted			x	x	x	x	Ivory
PT548-07070-11	Avalon	Carpeted			x	x	x	x	Lt Gray
PT548-07070-12	Avalon	Carpeted			x	x	x	x	Dk Charcoal
PT548-07070-22	Avalon	Carpeted			x	x	x	x	Graphite

For All Weather Floor Mats (AWFM):

Utilizing the ten digit part number and the chart below, confirm the vehicle has the newly designed AWFM.

Part Number	Model	Type	03	04	07	08	09	10	Color
PT908-0710W-02	Avalon	All Weather	x	x	x	x	x	x	Black
PT908-0710W-14	Avalon	All Weather	x	x	x	x	x	x	Brown

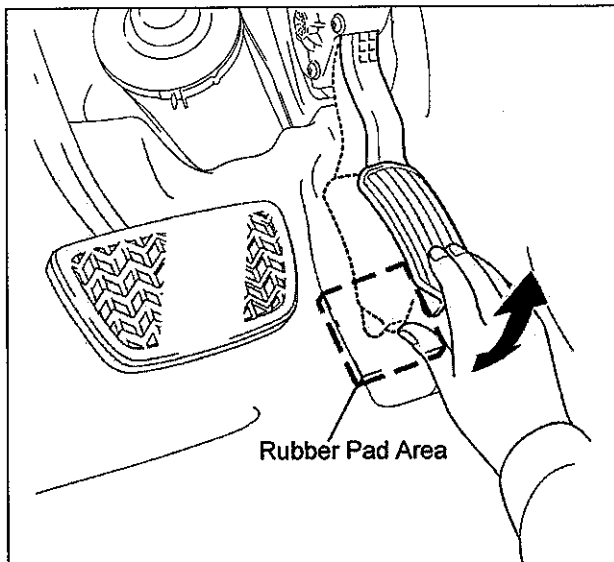
NOTE:

The part numbers listed above are for the 2 piece (driver & front passenger) campaign set ONLY.

DO NOT use the recalled AWFM listed below. These AWFM must be removed from the vehicle and recovered by the dealer.

Part Number	Model	Type	03	04	07	08	09	10	Color
PT908-07050-02	Avalon - Do not use	All Weather	x	x	x	x	x	x	Black
PT908-07050-14	Avalon - Do not use	All Weather	x	x	x	x	x	x	Brown

All recalled AWFM will be placed on Warranty Parts Recovery, and dealers will be required to return them to TMS. AWFM that are not returned will result in the claim being debited.



- c) Confirm the pedal does not get caught on the floor or floor mat during operation.
- d) Confirm the pedal operates properly.
- e) Confirm that the bottom of the pedal contacts the rubber pad area when the accelerator pedal is fully depressed.

4. INSPECT THE ACCELERATOR PEDAL ASSEMBLY OPERATION

- a) Connect Techstream to the DLC3.
- b) Enter the following menus: Chassis / ABS-VSC-TRAC / Data List.
- c) Check the values by referring to the table below.

Tester Display	Measurement:	Normal Condition
Accelerator Opening Angle (Accelerator %)	Accelerator Opening Angle Min: 0%, Max: 100%	Accelerator Pedal Released: 0% Accelerator Pedal Fully Depressed: 100%

Model Year	Current CID	New CID
2005	30701000	30701200
	30701100	
	30707200*	
2006 - 2007	30705000	30707300
	30705100	
	30707000	
	30707100	
	30707200	
2008 - 2009	30708000	30708200
	30708100	
2010	30710000	30710100

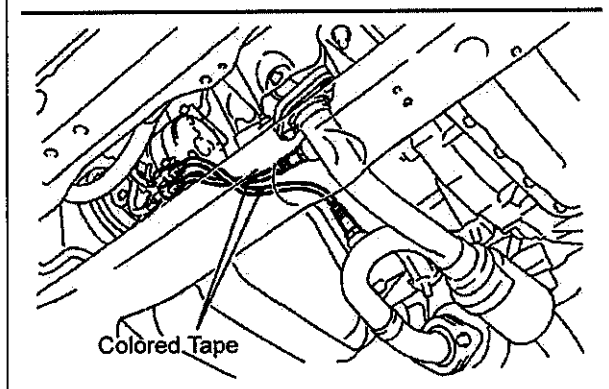
5. REFLASH THE ECU

- a) Reflash the ECU with the **NEW** Override System software following T-SB-0064-10.
- b) For Calibration ID, please refer to the table on the left.

*NOTE:

If the CID for a 2005 model year Avalon is 30707200, please perform the following inspection...

- Check the tape color of the oxygen sensors.
 - If the colors are gold and purple (P/N 89465-07070 and 89465-07080) proceed with the ECU reflash.
 - If the colors are silver and yellow (P/N 89465-07060 and 89465-07050) perform TSB EG033-07 prior to the ECU reflash.



6. CHECK FOR DTC CODES

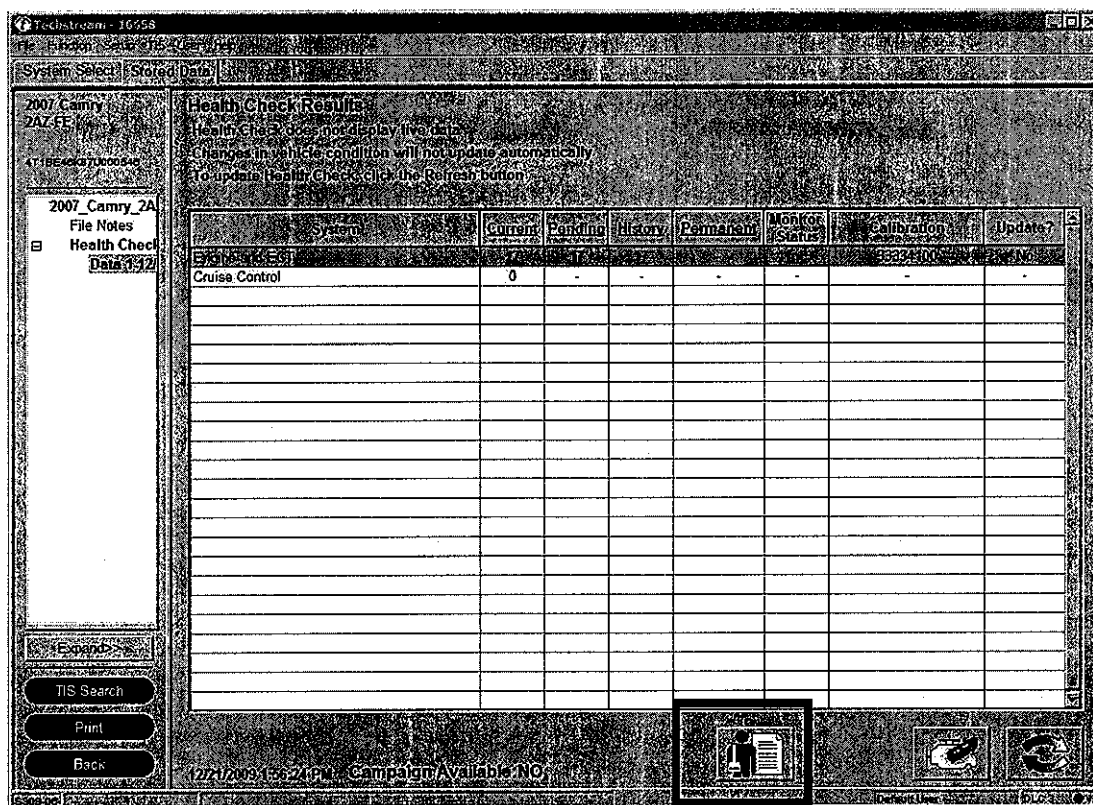
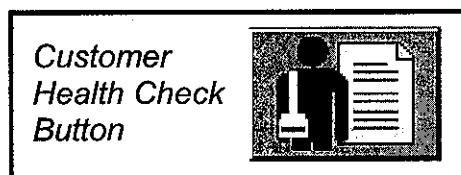
- Connect the Techstream to the DLC3.
- Check for DTC codes.

NOTE:



- A U0101 DTC may set during reprogramming. This is normal and should be cleared.
- For 2010 MY, a U0101 Permanent DTC may remain after DTCs are cleared. This is normal. A Permanent DTC does not illuminate the MIL and will not be cleared by a scantool. If the DTCs are cleared using Techstream but a U0101 Permanent DTC remains, there is no need to troubleshoot. The permanent DTC will clear during customer driving after completing the Universal Trip Drive Pattern.
- If any Pending, Current, and/or History DTCs are set, troubleshoot according to the repair manual.

7. PRINT CUSTOMER HEALTH CHECK REPORT



- a) From the Health Check Results screen select the Customer Health Check Report button (TIS will launch when button is pressed).



- b) Log in to TIS.
- c) Input Vehicle Mileage and Repair Order number.
- d) Check the "Performed" radio button for the 90L campaign and any other campaigns completed during this service event.
- e) Select the Report button.

 	<h2 style="margin: 0;">Diagnostic Report</h2>
<h3 style="margin: 0;">Vehicle Information</h3>	
<p>Mileage: <input style="width: 100px;" type="text" value="7787"/></p> <p>Repair Order: <input style="width: 100px;" type="text" value="77888"/></p> <p>Our systems show the following campaigns are outstanding. Have any of these campaigns been completed? (Check for SSC door label if unsure.)</p> <p style="text-align: center;">90L <input checked="" type="radio"/> Performed <input type="radio"/> Not Performed</p> <p style="text-align: center;"><input type="button" value="Report"/></p>	

- f) Confirm Customer Health Check Report information is correct.

 	<h2 style="margin: 0;">Diagnostic Report</h2>	
<h3 style="margin: 0;">Vehicle Information</h3>		
<p>Vehicle: 2007 Camry VIN: 4T1BE46K07A123678 Mileage: 7787</p> <p>Repair Order: 77888</p>		
<h3 style="margin: 0;">Health Check Summary</h3>		
Checkpoints	Status	Comments
Powertrain Systems	All systems OK	
Chassis Systems	All systems OK	
Electrical Systems	All systems OK	
Network Systems	All systems OK	
Service Campaigns	No Action Required	90L Performed
Performed: 12/21/09, 3:49 PM		

- g) Print Customer Health Check Report from TIS.
- h) Sign and provide to the customer.

8. TEST DRIVE THE VEHICLE AND INSPECT FOR ANY PROBLEMS

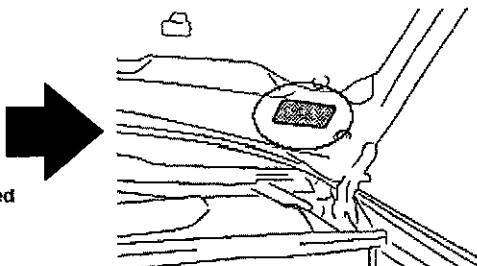
9. AFFIX THE AUTHORIZED MODIFICATIONS LABEL

Replacement ECU Part Number → 89661-48470
Calibration ID(s) → 34845100, 54813100
Dealer Code → 31301 DATE: 8/2/06
CHANGE AUTHORITY: TSIB EG002-05

THE FOLLOWING MODIFICATIONS HAVE BEEN MADE:
THESE MODIFICATIONS HAVE BEEN APPROVED AS APPROPRIATE BY EPA AND CARB

TSIB or Campaign Number

Date Completed



- a) Using a permanent marker or ball point pen, complete the Authorized Modifications Label and attach it to the underside of the hood in front of the driver as shown.

• Replacement ECU Part Number & Calibration ID(s)

Model Year	Replacement ECU Part Number	New Calibration ID
2005	89661-07412	30701200
	89661-07473*	30707300*
2006 – 2007	89661-07473	30707300
2008 – 2009	89661-07482	30708200
2010	89661-07511	30710100

* ONLY for 2005 model year Avalon vehicles requiring TSB EG033-07.

- Dealer Code
- Date Completed
- Campaign Number

NOTE:

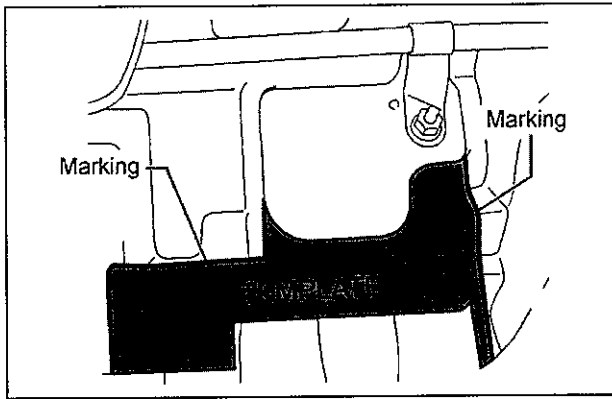
Authorized Modifications Label (in packages of 25) can be ordered through the Material Distribution Center (MDC), P/N 00451-00001-LBL.

VI. APPENDIX

A. RECALLED PARTS DISPOSAL

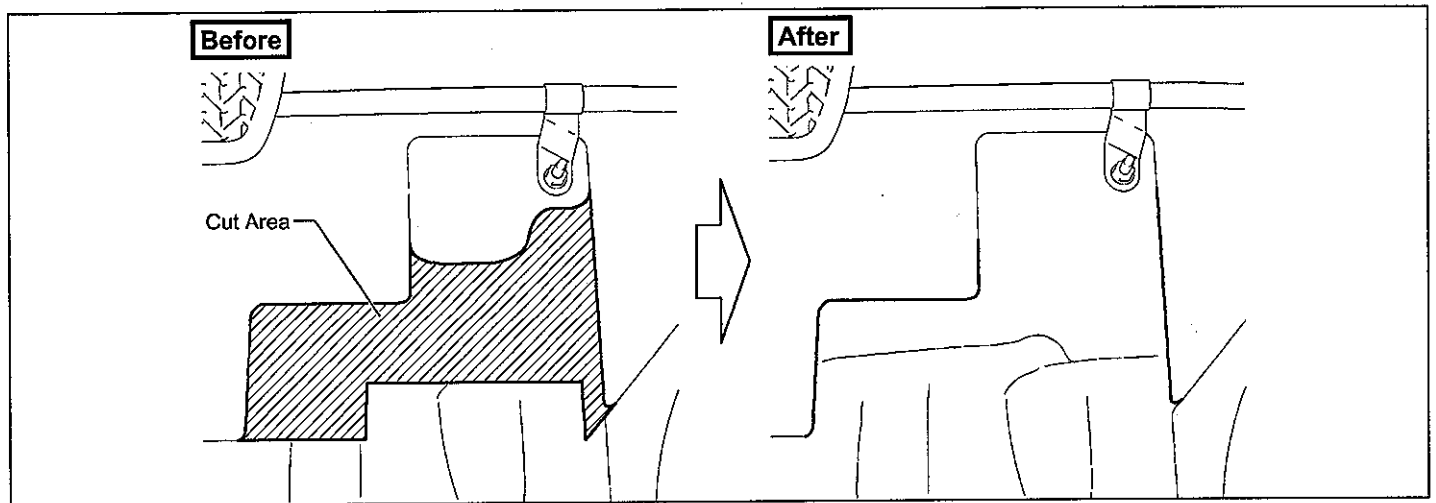
As required by Federal Regulations, please make sure all recalled parts (original parts) removed from the vehicle are disposed of in a manner in which they will not be reused, ***unless requested for parts recovery return.***

B. CUT THE FABRIC FLOOR SILENCING MATERIAL

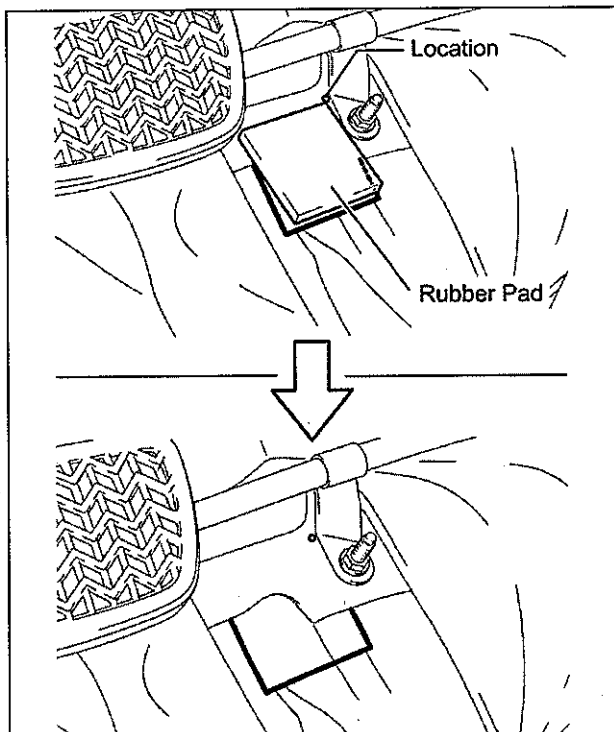


- a) Photocopy and cut out the template located at the end of the appendix.

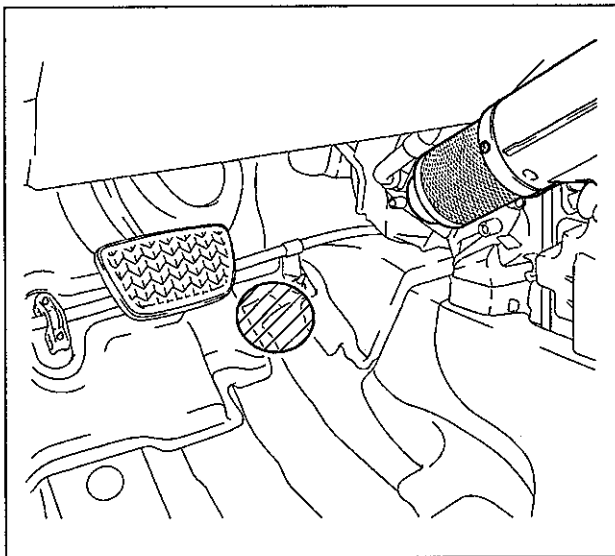
- b) Hold the template against the dash panel silencer and mark the template outline with a pen.



C. REMOVE THE SOUND DEADENING MATERIAL



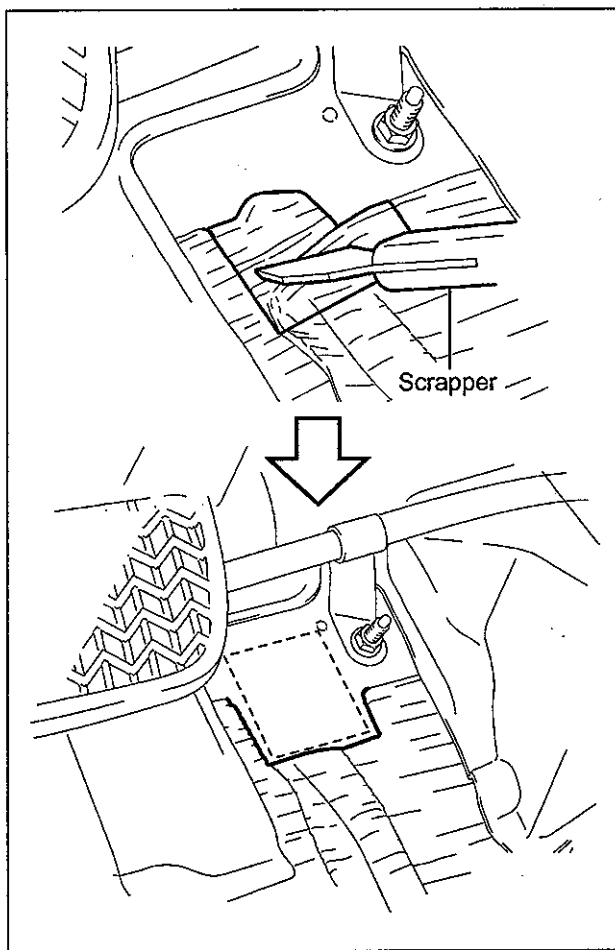
- a) Temporarily place the rubber pad on the floor panel as shown, and outline the pad on the sound deadening material with a ball point pen.



- b) Using a hair dryer or low temperature heat gun, warm up the sound deadening material until it becomes soft.

NOTE:

- Make sure not to damage the fabric floor silencing material.
- Pay close attention when using the hair dryer or low temperature heat gun to prevent damage to the carpet.

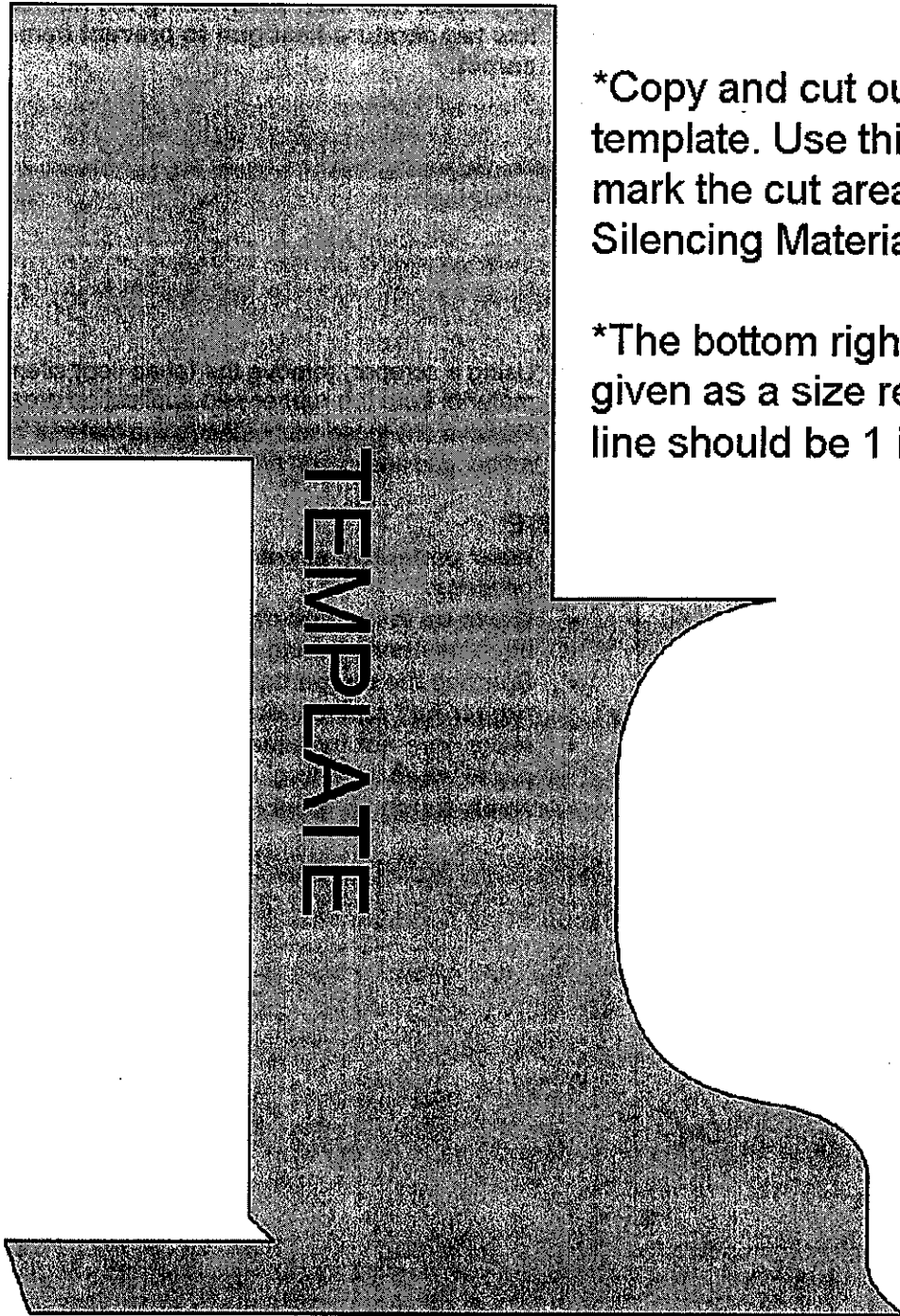


- c) Using a scraper, remove the fabric floor silencing material from the rubber pad application area.
- d) Remove any loose sound deadening material from the rubber pad application area.

NOTE:

- Wear protective gloves during the scraping process.
- Warm up the sound deadening material again, if it becomes hard during removal.
- Remove the sound deadening material until the rubber pad application surface is smooth.
- Make sure not to damage the paint film on the floor panel when scraping.
- Apply touch up paint if the paint film was damaged.

Floor Silencing Material Template



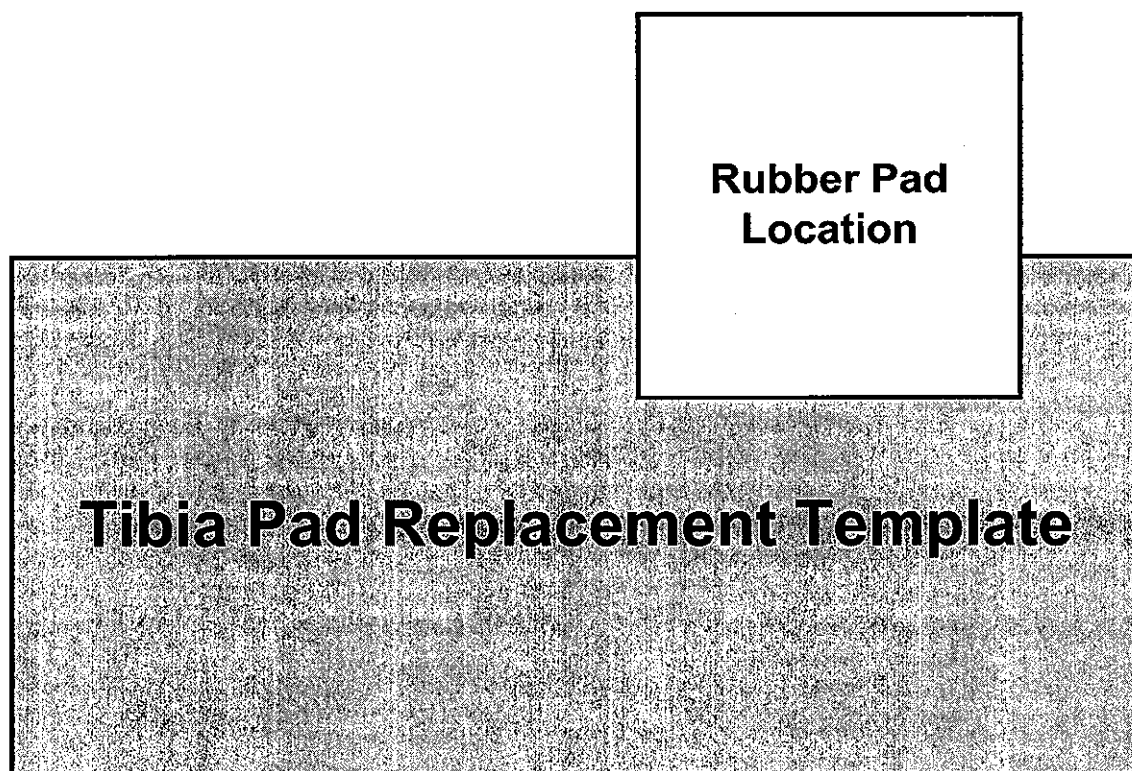
*Copy and cut out this template. Use this template to mark the cut area on the Floor Silencing Material.

*The bottom right guide line is given as a size reference. This line should be 1 inch in size.

1 inch
(25.4 mm)

1 inch
(25.4 mm)

Tibia Pad Placement Template



*Copy and cut out this template.
Use this template to correctly
position the tibia pad assembly.

*The bottom right guide line is
given as a size reference. This
line should be 1 inch in size.

