

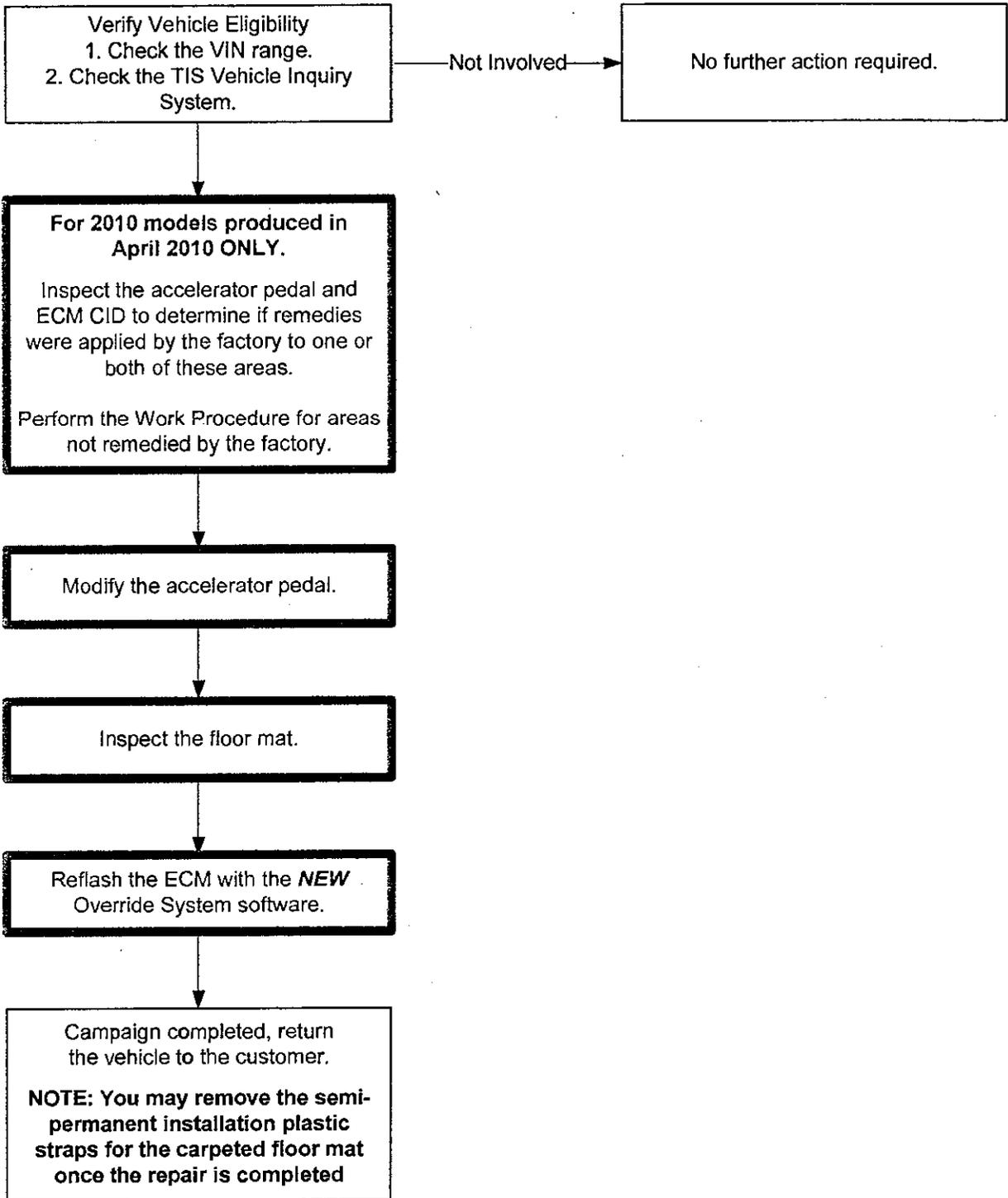
TECHNICAL INSTRUCTIONS
FOR
SAFETY RECALL 90L
ACCELERATOR PEDAL MODIFICATION
2005 – 2010 MODEL YEAR TACOMA
REVISED AUGUST 25, 2010

TECHNICAL INSTRUCTION REVISION NOTICE:

- **July 22, 2010:**
 - The ECM Calibration ID (CID) tables on pages 7, 8, 18, 19, 21 and 22 were updated to include PreRunner models.
 - An AWFM part number in Section B, step 10, "INSPECT THE FLOOR MAT" was corrected.
- **August 25, 2010:**
 - The ECM Calibration ID (CID) tables on pages 8, 19 and 22 were updated to include PreRunner for 2009 and 2010 models equipped with 1GR MT 4WD.

Previous versions of this Technical Instruction should be discarded.

I. OPERATION FLOW CHART



II. IDENTIFICATION OF AFFECTED VEHICLES

A. AFFECTED VIN RANGE

Model	WMI	Year	VIN Range	
			VDS	Range
TACOMA	3TM	2005	JU62N	M001038 – M008091
			KU72N	M001035 – M004841
			LU42N	M001025 – M002890
			MU52N	M001026 – M001900
		2006	JU62N	M007884 – M028771
			KU72N	M004775 – M010145
			LU42N	M002891 – M008847
			MU52N	M001878 – M003617
		2007	JU62N	M028772 – M049700
			KU72N	M010029 – M013697
			LU42N	M008667 – M013600
			MU52N	M003618 – M005093
		2008	JU62N	M049701 – M070800
			KU72N	M013698 – M017962
			LU42N	M013601 – M020109
			MU52N	M005056 – M007830
		2009	JU62N	M070182 – M091906
			KU72N	M017780 – M023467
			LU42N	M020024 – M038092
			MU52N	M007784 – M015694
	2010	JU4GN	M091570 – M106294	
		KU4HN	M023403 – M026364	
		LU4EN	M037788 – M051927	
		MU4FN	M015695 – M021776	
	5TE	2005	JU62N	Z001028 – Z144893
			KU72N	Z001077 – Z144860
			LU42N	Z001003 – Z144901
			MU52N	Z001010 – Z144879
			NX22N	Z001023 – Z144884
			NX62N	Z001659 – Z144755
			PX42N	Z001187 – Z144724
			TU22N	Z001007 – Z144886
TU62N			Z001020 – Z144895	
TX22N			Z001048 – Z144900	
TX62N			Z001181 – Z144873	
UU42N			Z001009 – Z144899	
UX42N	Z001302 – Z144707			

AFFECTED VIN RANGE CONTINUED...

Model	WMI	Year	VIN Range	
			VDS	Range
TACOMA	5TE	2006	JU62N	Z144959 – Z320618
			KU72N	Z145137 – Z320543
			LU42N	Z145030 – Z320397
			MU52N	Z145150 – Z320296
			NX22N	Z145177 – Z320613
			NX62N	Z145547 – Z320176
			PX42N	Z145459 – Z320265
			TU22N	Z144903 – Z320205
			TU62N	Z144902 – Z320213
			TX22N	Z145349 – Z320497
			TX62N	Z145234 – Z320203
			UU42N	Z144920 – Z320427
		UX42N	Z145491 – Z320247	
		2007	JU62N	Z320673 – Z469819
			KU72N	Z320671 – Z469635
			LU42N	Z320621 – Z469698
			MU52N	Z320868 – Z469726
			NX22N	Z320620 – Z469653
			NX62N	Z321207 – Z469255
			PX42N	Z320860 – Z469732
			TU22N	Z320619 – Z469759
			TU62N	Z320771 – Z469786
			TX22N	Z321110 – Z469654
			TX62N	Z321199 – Z469583
			UU42N	Z320622 – Z469869
		UX42N	Z320841 – Z469743	
		2008	JU62N	Z470196 – Z592508
			KU72N	Z470201 – Z592453
			LU42N	Z469991 – Z592675
			MU52N	Z470099 – Z592635
			NX22N	Z469871 – Z592426
			NX62N	Z469873 – Z592203
			PX42N	Z470165 – Z592599
			TU22N	Z470218 – Z592582
			TU62N	Z470195 – Z592581
			TX22N	Z469874 – Z592319
TX62N	Z469875 – Z592204			
UU42N	Z469911 – Z592689			
UX42N	Z470171 – Z592595			

AFFECTED VIN RANGE CONTINUED...

Model	WMI	Year	VIN Range	
			VDS	Range
TACOMA	5TE	2009	JU62N	Z592695 – Z671264
			KU72N	Z592696 – Z668993
			LU42N	Z592756 – Z671368
			MU52N	Z592693 – Z668540
			NX22N	Z592697 – Z671320
			NX62N	Z592974 – Z670223
			PX42N	Z592698 – Z671254
			TU22N	Z592690 – Z671370
			TU62N	Z592694 – Z671356
			TX22N	Z593018 – Z671260
			TX62N	Z592970 – Z671185
			UU42N	Z592691 – Z671420
		UX42N	Z592992 – Z671203	
		2010	JU4GN	Z671670 – Z749018
			KU4HN	Z671655 – Z748760
			LU4EN	Z671445 – Z749000
			MU4FN	Z671727 – Z749004
			NX4CN	Z671597 – Z749058
			NX4GN	Z671782 – Z748524
			PX4EN	Z671812 – Z749106
			TU4CN	Z671426 – Z735120
			TU4GN	Z671422 – Z749014
			TX4CN	Z671424 – Z749091
			TX4GN	Z671425 – Z749126
UU4EN	Z671428 – Z749134			
UX4EN	Z671780 – Z749122			

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

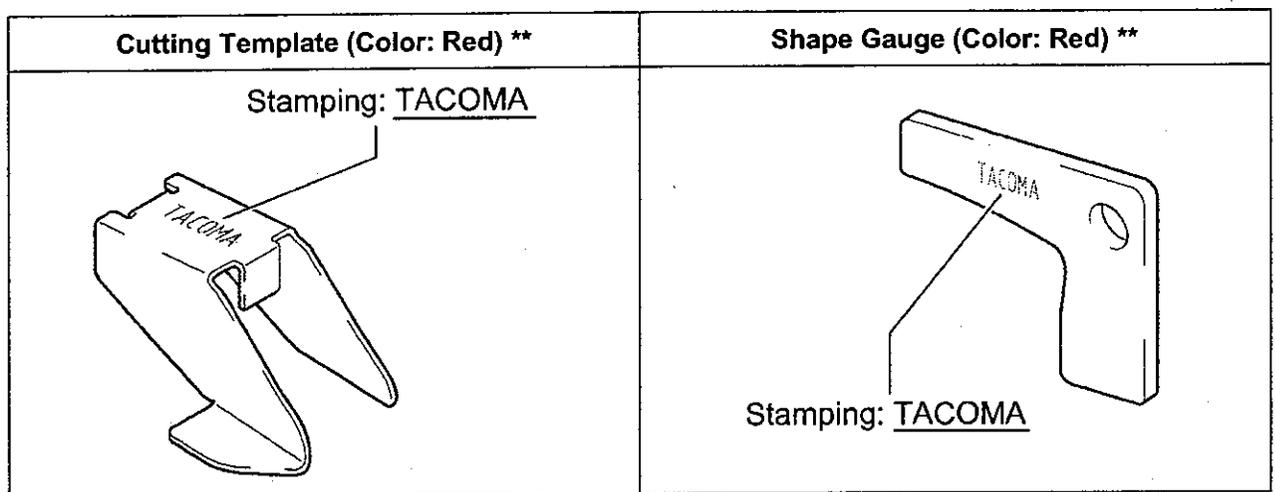
- No parts are required for this activity.

B. TOOLS & EQUIPMENT

- Dust mask
- 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 were provided to each dealership during Phase 1 of this Safety Recall.

C. ACCELERATOR PEDAL TEMPLATE & GAUGE



** One cutting template and one shape gauge will be provided to each dealership.

D. MATERIALS

- Bubble wrap
- 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.

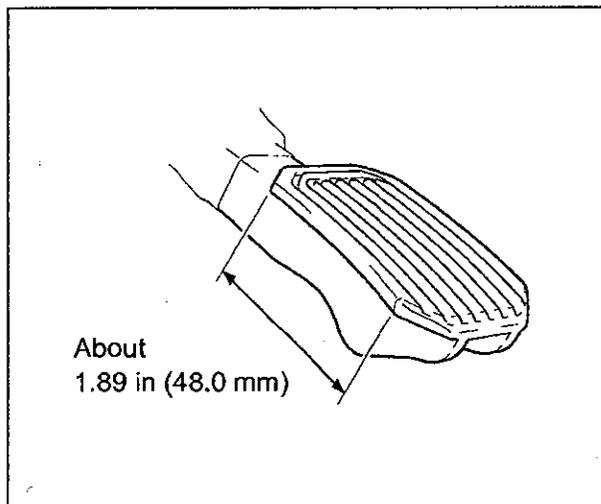
- The accelerator pedal will be modified to reduce the risk of an unsecured or incompatible floor mat from interfering with the accelerator pedal.
- Vehicles equipped with the optional genuine Toyota All Weather Floor Mats (AWFM) will be inspected to determine if the AWFM set is of an older design. If it is, the older design AWFM for the driver and the front passenger will be replaced with newly designed ones.
- Finally, the ECM 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. PRELIMINARY INSPECTION FOR 2010 MODELS ONLY



The following inspection procedure is to determine if some 2010 models produced in April 2010 may have had a remedy applied to the accelerator pedal by the factory.



1. INSPECT THE ACCELERATOR PEDAL ASSEMBLY

- FOR 2010 MODELS PRODUCED IN APRIL 2010 -

- a) Inspect the accelerator pedal length, is it approximately 1.89 in. (48 mm)?

YES

- The accelerator pedal remedy has been applied by the factory, NO modification is required.
- Confirm the vehicle has the correct floor mat following the Work Procedure.

NO

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

2. INSPECT THE ECM CALIBRATION ID (CID)

- a) Verify if the ECM has the **NEW** CID using the table below and on the next page.

Model Year	Engine	Drivetrain	Current CID	New CID
2005	2TR	MT / 2WD	30423000	30423200
			30423100	
		MT / 4WD & PreRunner	30424000	30424200
			30424100	
		AT / 2WD	30425000	30425300
			30425100	
		30425200		
	1GR	AT / 4WD & PreRunner	30426000	30426300
			30426100	
			30426200	
		MT / 2WD	30429000	30429300
			30429100	
30429200				
MT / 4WD & PreRunner	30430000	30430300		
	30430100			
	30430200			
	30441100			
2006	2TR	MT / 2WD	30414000	30414100
		MT / 4WD & PreRunner	30415000	30415100
		AT / 2WD	30416000	30416200
		30416100		
	1GR	AT / 4WD & PreRunner	30433000	30433200
			30433100	
		MT / 2WD	30434000	30434200
			30434100	
		MT / 4WD & PreRunner	30435000	30435200
		30435100		

Verify if the ECM has the **NEW** CID continued...

Model Year	Engine	Drivetrain	Current CID	New CID
2007	2TR	MT / 2WD	30436000	30436100
		MT / 4WD & PreRunner	30437000	30437100
		AT / 2WD	30438000	30448200
	30448000			
	30448100			
	1GR	AT / 4WD & PreRunner	30439000	30439300
			30439100	
			30439200	
		MT / 2WD	30440000	30440200
			30440100	
30441000				
MT / 4WD & PreRunner	30441100	30441200		
2008	2TR	MT / 2WD	30446000	30446100
		MT / 4WD & PreRunner	30447000	30447100
		AT / 2WD	30438000	30448200
			30448000	
	30448100			
	1GR	AT / 4WD & PreRunner	30442000	30442200
			30442100	
		MT / 2WD	30443000	30443100
		MT / 4WD & PreRunner	30444000	30444100
2009	2TR	MT / 2WD	30446000	30446100
		MT / 4WD & PreRunner	30447000	30447100
		AT / 2WD	30438000	30448200
			30448000	
	30448100			
	1GR	AT / 4WD & PreRunner	30449000	30449300
			30449100	
			30449200	
		MT / 2WD	30450000	30450200
			30450100	
30451000				
MT / 4WD & PreRunner	30451100	30451200		
2010	2TR	MT / 2WD	30460000	30460100
		MT / 4WD & PreRunner	30461000	30461100
		AT / 2WD	30462000	30462100
	1GR	AT / 4WD & PreRunner	30457000	30445000
			30457100	
		MT / 2WD	30458000	30453000
		MT / 4WD & PreRunner	30459000	30454000

With NEW ECM CID:

- The ECM CID has been applied by the factory, NO modification is required.

With Current ECM CID:

- The ECM CID requires updating. Make sure to perform the updating process in the Work Procedure.

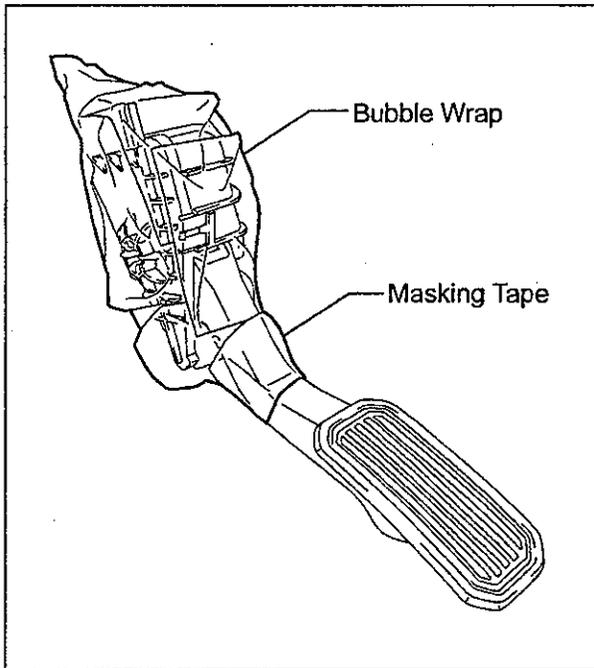
B. ACCELERATOR PEDAL MODIFICATION



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](#)



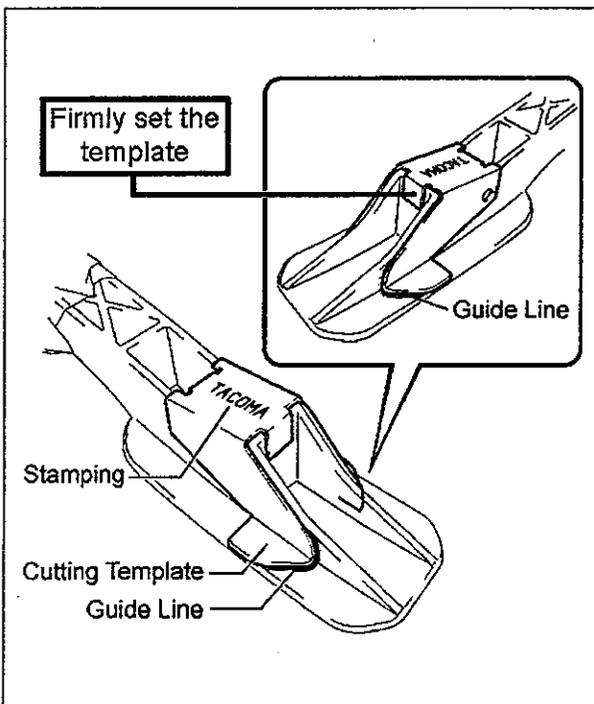
1. REMOVE THE ACCELERATOR PEDAL ASSEMBLY

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

- Record the radio station preset.
- Disconnect the negative battery cable and wait 90 seconds.
- Disconnect the accelerator pedal connector.
- Remove the 2 bolts.
- 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](#)

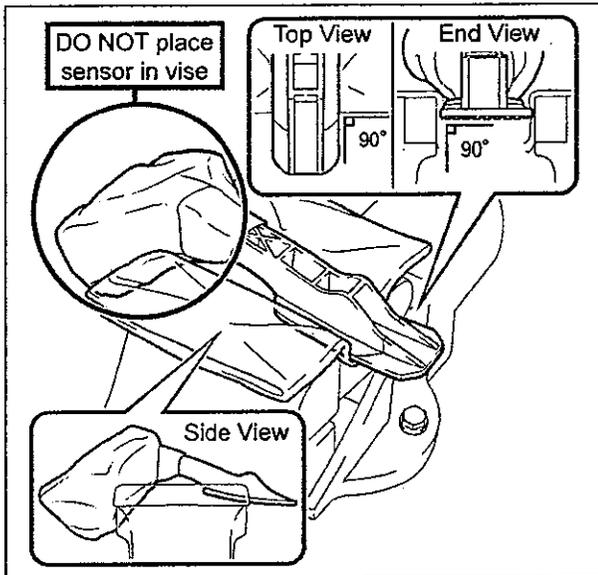
- Firmly set the template to the pedal and scribe guide lines to outline the area to be cut.

Cutting Template:

- Color: Red
- Stamping: TACOMA

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.

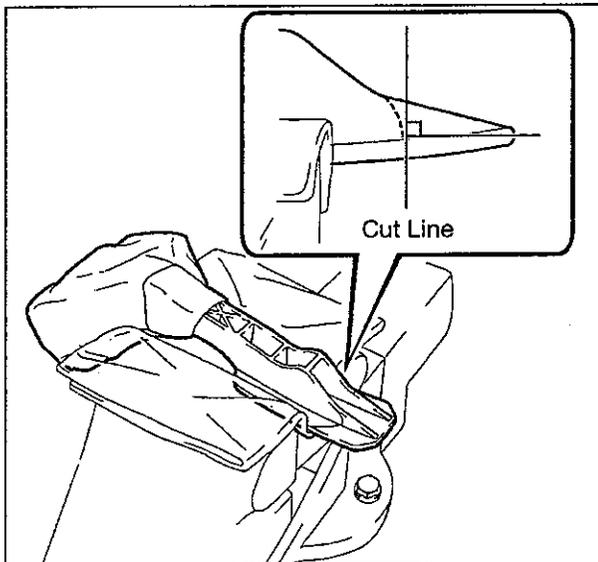


3. SECURE THE ACCELERATOR PEDAL ASSEMBLY

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

NOTE:

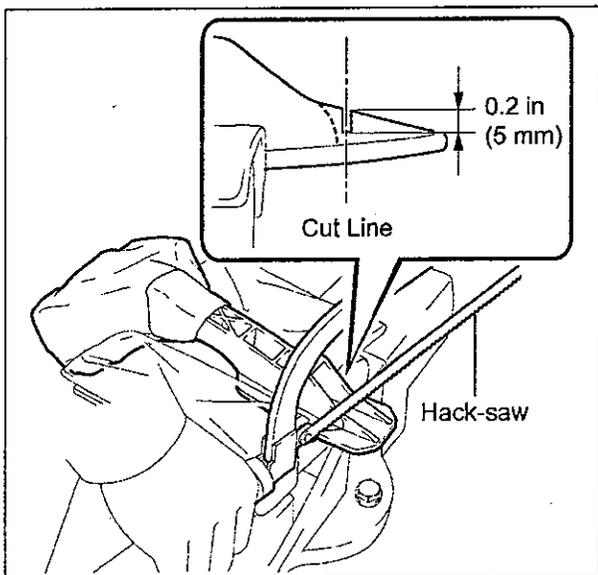
- **DO NOT** place the sensor in the vise to avoid damage.
- **Firmly** secure the pedal to prevent it from moving.
- **DO NOT** over tighten the vise.



4. CUT THE LOWER SECTION OF THE ACCELERATOR PEDAL ASSEMBLY

[Click here to watch the video to supplement steps 4-8](#)

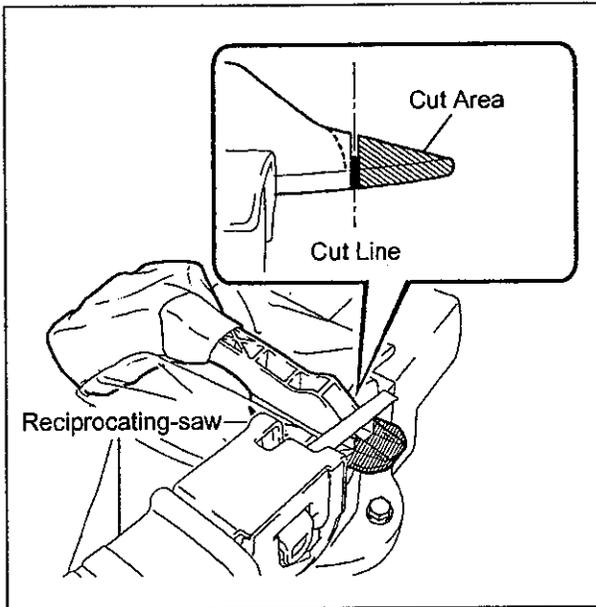
- a) The cut line is slightly outside from the scribed line and its positioned 90 degrees from the pedal foot pad as illustrated.



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

NOTE:

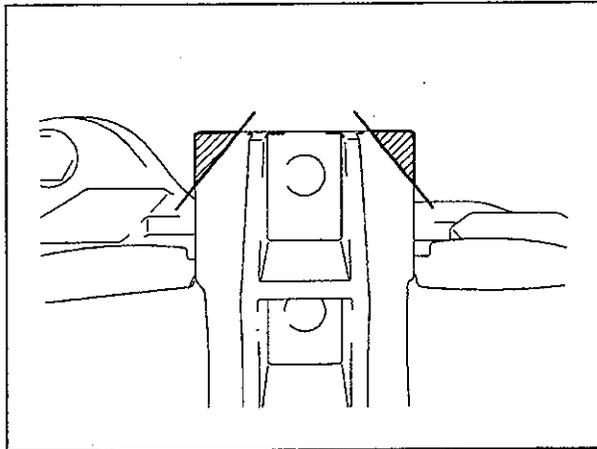
- **Always** wear protective eyewear, gloves, and dusk mask when cutting.
- **Guide** cut must be straight and clean.



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.

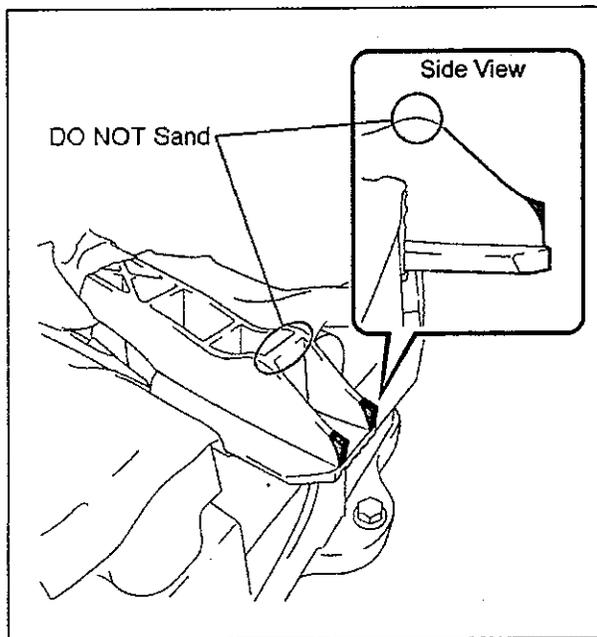


5. CUT THE CORNERS OF THE ACCELERATOR PEDAL ASSEMBLY

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

NOTE:

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

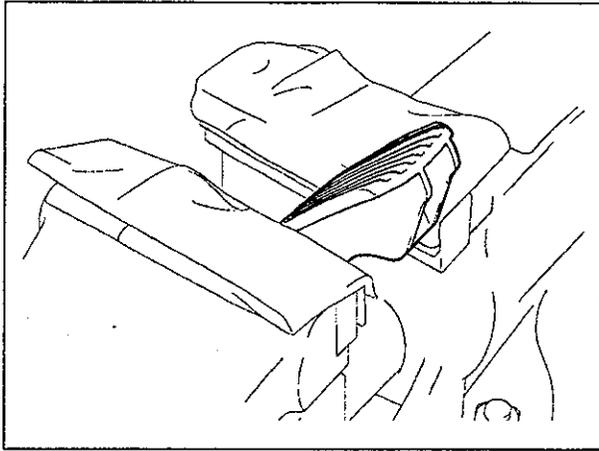


6. SAND THE RADIUS LINE

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

NOTE:

- Always wear protective eyewear, gloves, and dust mask when sanding.
- DO NOT sand the back of the pedal arm as illustrated.

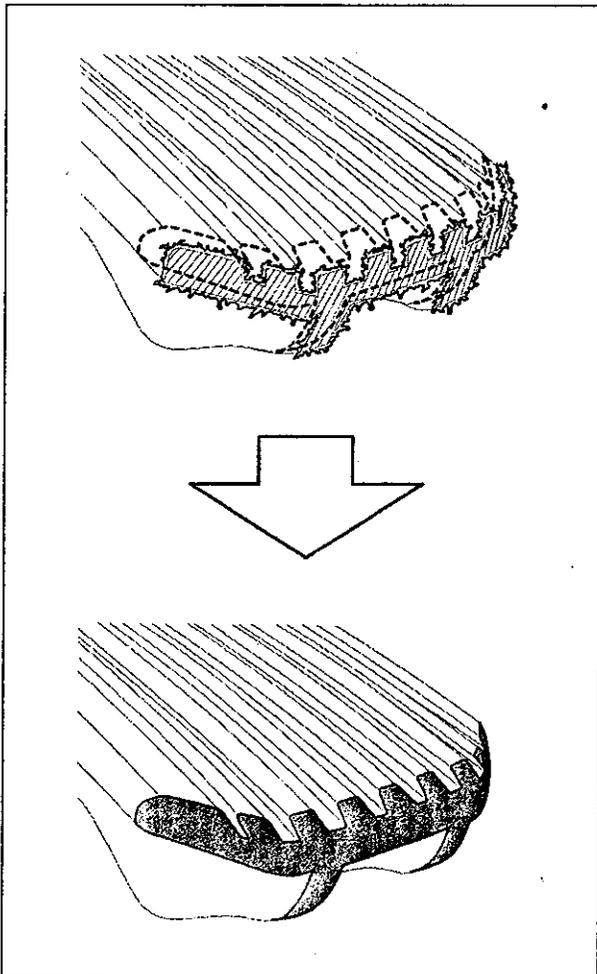


7. REMOVE ALL BURRS FROM THE CUTTING SURFACE

- a) Remove the pedal from the vise.
- b) Turn the pedal over and set it in the vise using a shop cloth while avoiding the sensor.

NOTE:

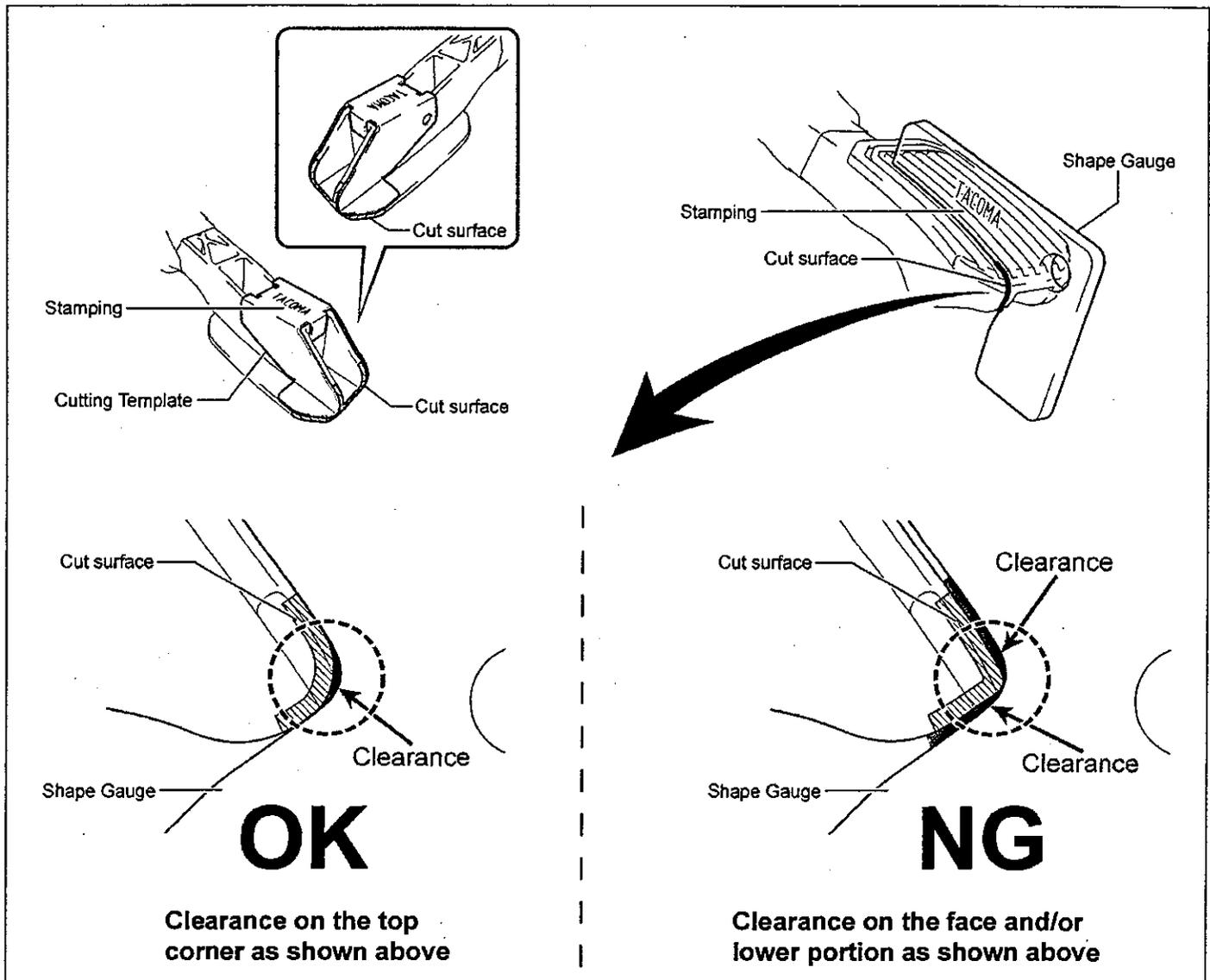
- **DO NOT** place the sensor in the vise to avoid damage.
- **Firmly** secure the pedal to prevent it from moving.
- **DO NOT** over tighten the vise.



- c) Using an orbital sander and file, remove all burrs from the cutting surface. The cut edges along the foot pad should be rounded and not square.
- d) Finish the cut surface and all edges with 400 grit sandpaper.

NOTE:

- **Always** wear protective eyewear, gloves, and dust mask when sanding or filing.



8. CHECK THE SHAPE OF THE PEDAL

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

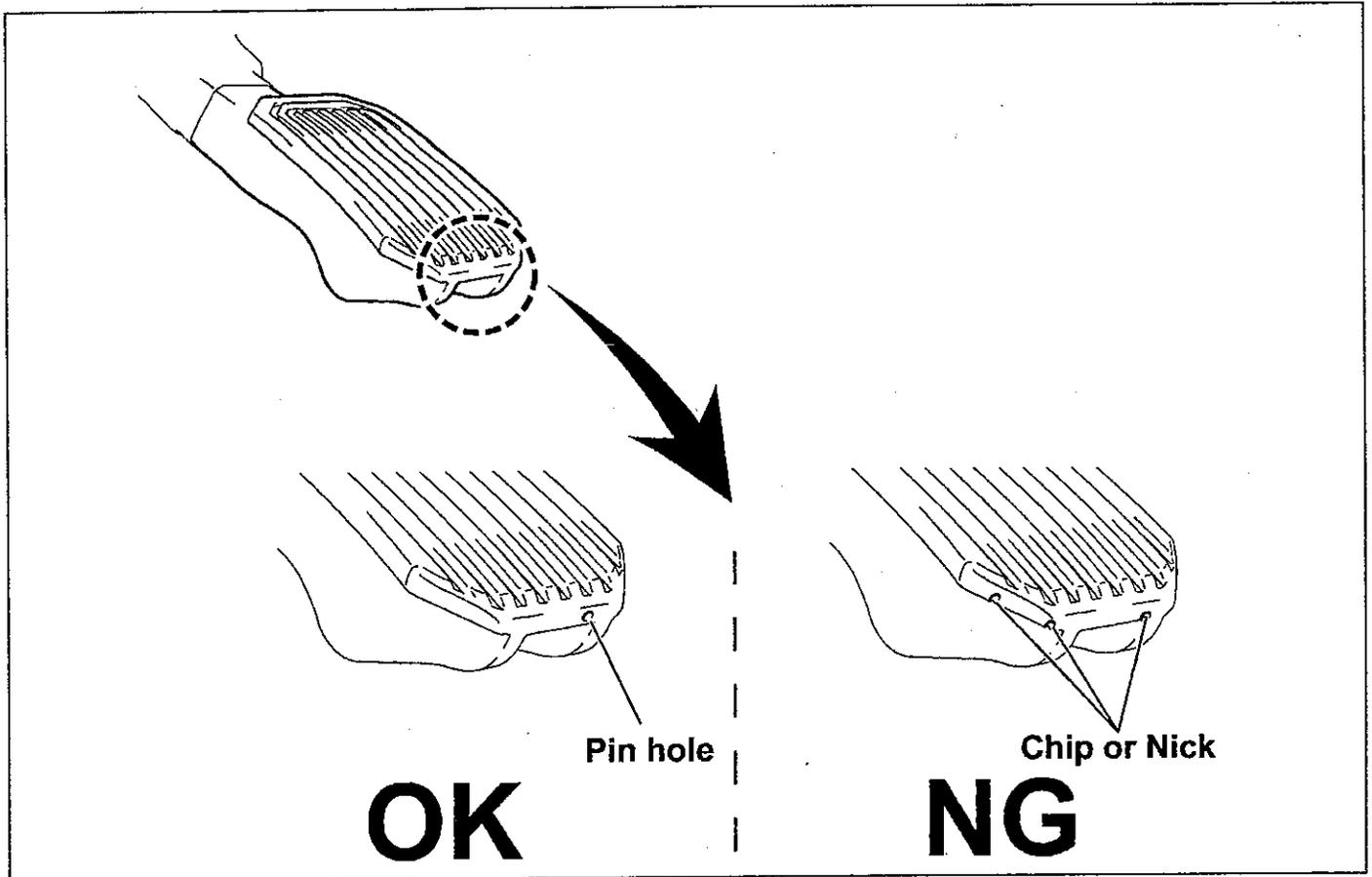
Cutting Template
Color: Red
Stamping: TACOMA

Shape Gauge
Color: Red
Stamping: TACOMA

- 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 any pin holes, 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".

- e) If a "smooth pedal surface" cannot be achieved due to a pinhole / cavity, repair the pedal utilizing the steps below.

Materials Needed:

- KBS Coatings - NuMetal® Epoxy Putty (Black)
Contact: 1-888-531-4527
Website: www.kbs-coatings.com/KBS-NuMetal-Epoxy-Putty_p_9-19.html

OR

- Milliput® Black Epoxy Putty
Website: www.milliput.com/home.htm

Repair Instructions:

- Make sure to follow all manufacturer directions and cautions when using the Epoxy Putty.
- Fill in the pin hole/cavity with the Epoxy Putty, and then smooth it out with a wet finger as outlined in the instructions included with the putty.

Notes:

- Make sure to use black Epoxy Putty, both brands listed above are offered in that color.
- Milliput® Black Epoxy Putty is from a UK supplier, and may be difficult to locate in the US. If you should encounter this, please utilize KBS Coatings - NuMetal® Epoxy Putty (Black) that is locally supplied and easier to locate.

9. REINSTALL THE ACCELERATOR PEDAL ASSEMBLY

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

Torque Specification: 5.0 Nm (51 kgf cm, 44 in. lbf)

- c) Reconnect the accelerator pedal connector.
- d) Reconnect the negative battery cable.
- e) Set the clock and radio station presets.
- f) Reinitialize the vehicle system(s) as outlined in the repair manual on TIS for the vehicle you are working on.

NOTE

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

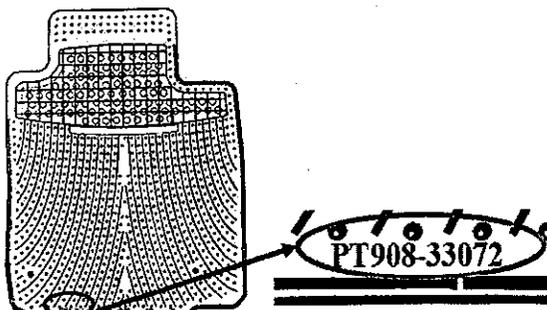
10. INSPECT THE FLOOR MAT

- a) Inspect the carpet and floor mat and clean them as appropriate.
- b) 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	'05	'06	'07	'08	'09	'10	Color
PT206-35050-11	Tacoma - Regular Cab	Carpeted	x	x	x				LI Charcoal
PT206-35050-14	Tacoma - Regular Cab	Carpeted	x	x	x				Oak
PT206-35051-11	Tacoma - Access Cab	Carpeted	x	x	x				LI Charcoal
PT206-35051-14	Tacoma - Access Cab	Carpeted	x	x	x				Oak
PT206-35052-11	Tacoma - Double Cab	Carpeted	x	x	x				LI Charcoal
PT206-35052-14	Tacoma - Double Cab	Carpeted	x	x	x				Oak
PT206-35055-11	Tacoma - Access Cab TRD	Carpeted	x	x	x				Charcoal
PT206-35056-11	Tacoma - Double Cab TRD	Carpeted	x	x	x				Charcoal
PT206-35080-11	Tacoma - Regular Cab	Carpeted				x	x	x	LI Charcoal
PT206-35080-14	Tacoma - Regular Cab	Carpeted				x	x		Oak
PT206-35081-11	Tacoma - Access Cab	Carpeted				x	x	x	LI Charcoal
PT206-35081-14	Tacoma - Access Cab	Carpeted				x	x		Oak
PT206-35082-11	Tacoma - Double Cab	Carpeted				x	x	x	LI Charcoal
PT206-35082-14	Tacoma - Double Cab	Carpeted				x	x		Oak
PT206-35085-11	Tacoma - Acc Cab TRD	Carpeted				x	x	x	Charcoal
PT206-35086-11	Tacoma - Double Cab TRD	Carpeted				x	x	x	Charcoal
PT206-35090-43	Tacoma - Regular Cab	Carpeted				x	x		Sand Beige
PT206-35091-43	Tacoma - Access Cab	Carpeted				x	x		Sand Beige
PT206-35092-43	Tacoma - Double Cab	Carpeted				x	x		Sand Beige
PT206-35100-13	Tacoma - Regular Cab	Carpeted						x	LI Charcoal
PT206-35100-15	Tacoma - Regular Cab	Carpeted						x	Dk Charcoal
PT206-35101-13	Tacoma - Access Cab	Carpeted						x	LI Charcoal
PT206-35101-15	Tacoma - Access Cab	Carpeted						x	Dk Charcoal
PT206-35102-13	Tacoma - Double Cab	Carpeted						x	LI Charcoal
PT206-35102-15	Tacoma - Double Cab	Carpeted						x	Dk Charcoal
PT206-35105-13	Tacoma - Access Cab TRD	Carpeted						x	LI Charcoal
PT206-35106-13	Tacoma - Double Cab TRD	Carpeted						x	LI Charcoal

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	'05	'06	'07	'08	'09	'10	Color
PT908-3500W-02	Tacoma	All Weather	x	x	x				Black
PT908-350RW-02	Tacoma - TRD	All Weather				x			Black
PT908-3510W-02	Tacoma	All Weather					x	x	Black

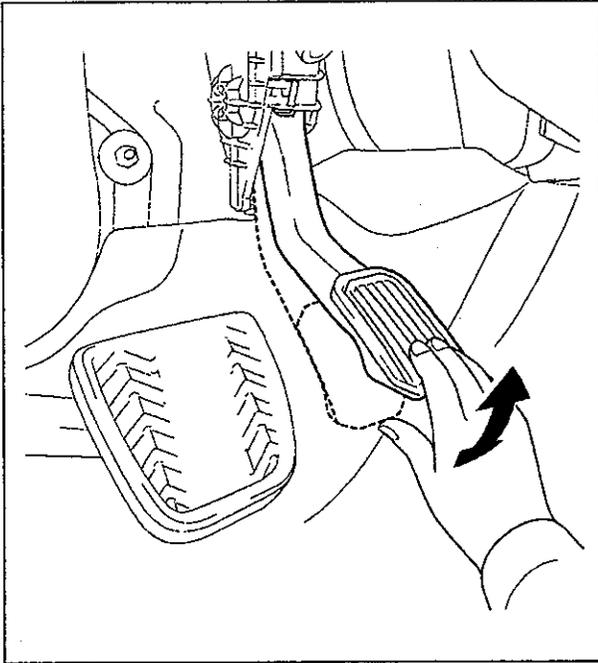
NOTE:

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	'05	'06	'07	'08	'09	'10	Color
PT908-3505B-02	Tacoma - Regular Cab	All Weather	x	x	x	x			Black
PT908-3505C-02	Tacoma - Access Cab	All Weather	x	x	x	x			Black
PT908-3505D-02	Tacoma - Double Cab	All Weather	x	x	x	x			Black
PT908-3507B-02	Tacoma - Regular Cab	All Weather				x	x	x	Black
PT908-3507C-02	Tacoma - Access Cab	All Weather				x	x	x	Black
PT908-3507D-02	Tacoma - Double Cab	All Weather				x	x	x	Black
PT908-3508C-02	Tacoma - SE Access Cab	All Weather					x		Black
PT908-3508D-02	Tacoma - SE Double Cab	All Weather					x		Black

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.

11. INSPECT THE ACCELERATOR PEDAL ASSEMBLY OPERATION

- a) Connect Techstream to the DLC3.
- b) Enter the following menus: Powertrain / Engine and ECT / Data List.
- c) 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 5.0 V	

NOTE:

There are two sets of Accel Sensor Out No. 1 & No. 2 parameters. Select ALL DATA (A to Z) on the pull down menu at the bottom of the screen when searching for the correct parameter set.

12. 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 below and on the next page.

Model Year	Engine	Drivetrain	Current CID	New CID
2005	2TR	MT / 2WD	30423000	<u>30423200</u>
			30423100	
		MT / 4WD & PreRunner	30424000	<u>30424200</u>
			30424100	
		AT / 2WD	30425000	<u>30425300</u>
			30425100	
	30425200			
	1GR	AT / 4WD & PreRunner	30426000	<u>30426300</u>
			30426100	
			30426200	
		MT / 2WD	30429000	<u>30429300</u>
			30429100	
			30429200	
		MT / 4WD & PreRunner	30430000	<u>30430300</u>
30430100				
		30430200		
2006	2TR	MT / 2WD	30414000	<u>30414100</u>
		MT / 4WD & PreRunner	30415000	<u>30415100</u>
		AT / 2WD	30416000	<u>30416200</u>
			30416100	
	1GR	AT / 4WD & PreRunner	30433000	<u>30433200</u>
			30433100	
		MT / 2WD	30434000	<u>30434200</u>
			30434100	
		MT / 4WD & PreRunner	30435000	<u>30435200</u>
			30435100	
2007	2TR	MT / 2WD	30436000	<u>30436100</u>
		MT / 4WD & PreRunner	30437000	<u>30437100</u>
		AT / 2WD	30438000	<u>30448200</u>
			30448000	
			30448100	
	1GR	AT / 4WD & PreRunner	30439000	<u>30439300</u>
			30439100	
			30439200	
		MT / 2WD	30440000	<u>30440200</u>
			30440100	
		MT / 4WD & PreRunner	30441000	<u>30441200</u>
30441100				

Model Year	Engine	Drivetrain	Current CID	New CID	
2008	2TR	MT / 2WD	30446000	<u>30446100</u>	
		MT / 4WD & PreRunner	30447000	<u>30447100</u>	
		AT / 2WD	30438000	<u>30448200</u>	
			30448000		
	1GR	AT / 4WD & PreRunner	30448100	<u>30442200</u>	
			30442000		
		MT / 2WD	30442100	<u>30443100</u>	
		MT / 4WD & PreRunner	30443000	<u>30444100</u>	
2009	2TR	MT / 2WD	30444000	<u>30446100</u>	
		MT / 4WD & PreRunner	30446000	<u>30447100</u>	
		AT / 2WD	30438000	<u>30448200</u>	
			30448000		
	1GR	AT / 4WD & PreRunner	30448100	<u>30449300</u>	
			30449000		
		MT / 2WD	30449100	<u>30450200</u>	
			30449200		
	MT / 4WD & PreRunner	30450000	<u>30451200</u>		
		30450100			
	2010	2TR	30451000	30460000	<u>30460100</u>
			30451100	30461000	<u>30461100</u>
AT / 2WD			30462000	<u>30462100</u>	
1GR		AT / 4WD & PreRunner	30457000	<u>30445000</u>	
			30457100		
		MT / 2WD	30458000	<u>30453000</u>	
		MT / 4WD & PreRunner	30459000	<u>30454000</u>	

13. CHECK FOR DTC CODES

- a) Connect the Techstream to the DLC3.
- b) 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.

14. 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).



2010 Tacoma 1GR-FE
 STETU4CHSAZ275852

2010 Tacoma 1
 File Notes
 Health Check
 Data 1-3/7

Expand >>>

TIS Search
 Print
 Back

3/11/2010 10:12:24 AM Campaign Available: NO

Health Check Results

Health Check does not display live data
 Changes in vehicle condition will not update automatically
 To update Health Check, click the Refresh button

System	Current	Pending	History	Permanent	Monitor Status	Calibration	Update?
Engine and ECT	0	0	0	0	Com	30458000 A0C01000	No
Cruise Control	0	-	-	0	-	-	No
Tire Pressure Monitor	0	-	-	-	-	-	-
ABS/VSC/TRAC	0	-	-	-	-	-	-
Immobiliser	0	-	0	-	-	-	-
Occupant Detection	0	-	0	-	-	-	-
SRS Airbag	0	-	0	-	-	-	-

- 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.

Diagnostic Report

Vehicle Information

Mileage: 7787

Repair Order: 77668

Our systems show the following campaigns are outstanding. Have any of these campaigns been completed? (Check for SSC door label if unsure.)

90L Performed Not Performed

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

		<h1>Diagnostic Report</h1>	
<h2>Vehicle Information</h2>			
Vehicle: 2010 Tacoma Repair Order: 77888	VIN: 5TETU4CN5A2675652	Mileage: 7787	
<h2>Health Check Summary</h2>			
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: 3/11/10, 10:12 AM			

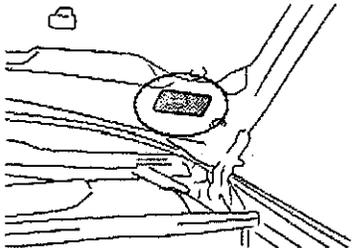
- g) Print Customer Health Check Report from TIS.
 h) Sign and provide to the customer.

15. TEST DRIVE THE VEHICLE AND INSPECT FOR ANY PROBLEMS

16. AFFIX THE AUTHORIZED MODIFICATIONS LABEL

TOYOTA MOTOR CORPORATION	
AUTHORIZED MODIFICATIONS	
THE FOLLOWING MODIFICATIONS HAVE BEEN MADE:	
Replacement ECU Part Number	89661-48470
Calibration ID(s)	34845100, 54813100
THESE MODIFICATIONS HAVE BEEN APPROVED AS APPROPRIATE BY EPA AND CARB	
Dealer Code	DEALER CODE: 31301 DATE: 8/2/06
	CHANGE AUTHORITY: TS1B EG002-05

➔



- 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	Engine	Drivetrain	Replacement ECU P/N	New CID
2005	2TR	MT / 2WD	89661-04A02	30423200
		MT / 4WD & PreRunner	89661-04A12	30424200
		AT / 2WD	89661-04A23	30425300
	1GR	AT / 4WD & PreRunner	89661-04A33	30426300
		MT / 2WD	89661-04A63	30429300
		MT / 4WD & PreRunner	89661-04A73	30430300

Replacement ECU Part Number & Calibration ID(s) Continued...

Model Year	Engine	Drivetrain	Replacement ECU P/N	New CID
2006	2TR	MT / 2WD	89661-04B51	30414100
		MT / 4WD & PreRunner	89661-04B61	30415100
		AT / 2WD	89661-04B72	30416200
	1GR	AT / 4WD & PreRunner	89661-04B82	30433200
		MT / 2WD	89661-04B92	30434200
		MT / 4WD & PreRunner	89661-04C02	30435200
2007	2TR	MT / 2WD	89661-04C11	30436100
		MT / 4WD & PreRunner	89661-04C21	30437100
		AT / 2WD	89661-04D32	30448200
	1GR	AT / 4WD & PreRunner	89661-04C43	30439300
		MT / 2WD	89661-04C52	30440200
		MT / 4WD & PreRunner	89661-04C62	30441200
2008	2TR	MT / 2WD	89661-04D11	30446100
		MT / 4WD & PreRunner	89661-04D21	30447100
		AT / 2WD	89661-04D32	30448200
	1GR	AT / 4WD & PreRunner	89661-04C72	30442200
		MT / 2WD	89661-04C81	30443100
		MT / 4WD & PreRunner	89661-04C91	30444100
2009	2TR	MT / 2WD	89661-04D11	30446100
		MT / 4WD & PreRunner	89661-04D21	30447100
		AT / 2WD	89661-04D32	30448200
	1GR	AT / 4WD & PreRunner	89661-04D43	30449300
		MT / 2WD	89661-04D52	30450200
		MT / 4WD & PreRunner	89661-04D62	30451200
2010	2TR	MT / 2WD	89661-04E71	30460100
		MT / 4WD & PreRunner	89661-04E81	30461100
		AT / 2WD	89661-04E91	30462100
	1GR	AT / 4WD & PreRunner	89661-04D00	30445000
		MT / 2WD	89661-04D80	30453000
		MT / 4WD & PreRunner	89661-04D90	30454000

- 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.***