

TOYOTA CUSTOMER SERVICES

Volume: XII
Number: TC05-009
Date: 04/13/2005
 Action
 Retain
 Information

INTEROFFICE MEMORANDUM

TO: ALL REGION/PRIVATE DISTRIBUTOR GENERAL MANAGERS/
VICE PRESIDENTS

FROM: DAVE ZELLERS, *Dave*
VICE PRESIDENT, PRODUCT QUALITY & SERVICE SUPPORT

SUBJECT: SPECIAL SERVICE CAMPAIGN (SSC) – 50E
(CERTAIN 2004 THROUGH EARLY 2005 MODEL YEAR TUNDRA WITH BOTH VSC
AND TRD DUAL EXHAUST SYSTEM)

DEFECTS INVESTIGATION
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Toyota will initiate a Special Service Campaign to replace the TRD Dual Exhaust System, on certain 2004 through early 2005 model year Tundra vehicles equipped with both Vehicle Stability Control (VSC) and a TRD Dual Exhaust System.

The Accessory TRD Dual Exhaust System was added as an available option for all model Tundra's. The TRD Dual Exhaust System met all clearance specifications on models with the standard equipment package. The 2004 through 2005 models offered VSC as an available factory option, which includes an additional brake line which was not previously present. When the TRD Dual Exhaust System was added to vehicles with the VSC option, the driver's side exhaust pipe no longer met the clearance specifications with the additional brake hose. **Vehicles not equipped with VSC do not have this extra brake hose.** The location of the TRD driver's side exhaust pipe placed it in a position where in rare cases contact between the brake line and the exhaust pipe might occur. In this condition, the exhaust pipe flange may rub against the right rear brake hose which could cause brake fluid leakage. This may lead to an increase of vehicle stopping distance and thus raise the possibility of an accident.

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

1. **Dealer Letter Mailing Date**

The attached Dealer Letter will be sent to all Toyota dealers in late April, 2005.

2. **Owner Notification Mailing Date**

The owner notification will commence in late April, 2005.

Although only vehicles equipped with both VSC and the TRD Dual Exhaust System are involved, as the TRD Dual Exhaust System is also available as a Dealer installed option as well as over-the-counter, all owners of 2004 and early 2005 model year Tundra vehicles equipped with VSC will be notified. Customers will be provided with a return postcard so they may indicate that their vehicle is not equipped with the TRD Dual Exhaust System so the SSC can be turned off for that vehicle. Once the customer returns the postcard with the inspection results to TMS, dealers will not be able to file an SSC claim.

Please note that not all vehicles in the VIN range are affected by this SSC. If a dealer is contacted by an owner of an involved 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 inspection and if necessary repairs as outlined in the attached Technical Instructions.

3. **Number of Vehicles Involved**

There are approximately 5,730 Tundra (2004 through early 2005 model year) vehicles with VSC involved in the U.S. However, the vehicle must also be equipped with the port, dealer or customer installed TRD Dual Exhaust System accessory for the replacement to apply. We believe there are approximately 100 vehicles nationwide equipped with both VSC and the TRD Dual Exhaust System that will require replacement of the Exhaust System.

4. **Region/District Summary Reports**

We have enclosed the following SSC 50E Summary Reports in the Region/Private Distributor (PD) Service Manager/Customer Service Operations Manager/Director of Service package:

- Region/PD Summary Report that provides an overview of the entire Region/PD for this SSC.
- A District Summary Report that indicates the number of involved vehicles per dealership in each district for this campaign.

5. **Vehicles in Dealer Stock**

As required by Federal Regulation, dealers are not to deliver any vehicle acquired in their inventory, which is involved in a safety recall, until the necessary inspections/replacements have been performed.

6. **Parts Ordering**

The necessary parts can be ordered through the dealer's facing PDC. Please refer to the table below and the Technical Instructions for part number information.

Part Number.	Part Description	Qty/Vehicle
PT909-35060	TRD DUAL EXHAUST SYSTEM KIT	1
90917-06085	V-BAND CLAMP EXHAUST PIPE GASKET	1

7. **Reimbursement Procedures**

Please refer to the Reimbursement Procedures found in the attached Dealer Letter.

Please note that the replaced parts will be placed on Warranty Parts Recovery and dealers will be required to return the original parts to TMS. Parts that are not returned or incorrect repairs will result in the claim being debited by TMS Warranty.

Please review this entire Special Service Campaign package with the appropriate associates so that they may provide the necessary support to your dealers and maximize our combined customer satisfaction efforts.

Thank you for your cooperation.

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

Enclosures

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

E. Bastien	T. Gartland	D. Pettitt
J. Beseda	J. Hanson	J. Press
R. Broughman	J. Hollis	M. Redding
G. Bryan	J. Kerr	H. Sunakawa
A. Cabito	J. Kobayashi	J. Stempkowski
D. Camden	J. Lang	E. Taira
J. Chernus	J. Lentz	T. Takada
R. Daly	E. Matsuda	J. Tetherow
T. Devany	D. Mercer	M. Tomozoe
B. Ertmann	M. Michels	A. Vaish
D. Esmond	I. Miller	M. Yamaguchi
G. Fogg	T. Nagata	
Y. Funo	D. Ogilvie	

TO: ALL TOYOTA DEALER PRINCIPALS,
SERVICE MANAGERS, PARTS MANAGERS

SUBJECT: SPECIAL SERVICE CAMPAIGN (SSC) – 50E
(CERTAIN 2004 THROUGH EARLY 2005 MODEL YEAR TUNDRA WITH BOTH VSC AND
TRD DUAL EXHAUST SYSTEM)

Toyota will initiate a Special Service Campaign to replace the TRD Dual Exhaust System, on certain 2004 through early 2005 model year Tundra vehicles equipped with both Vehicle Stability Control (VSC) and a TRD Dual Exhaust System.

The Accessory TRD Dual Exhaust System was added as an available option for all model Tundra's. The TRD Dual Exhaust System met all clearance specifications on models with the standard equipment package. The 2004 through 2005 models offered VSC as an available factory option, which includes an additional brake line which was not previously present. When the TRD Dual Exhaust System was added to vehicles with the VSC option, the driver's side exhaust pipe no longer met the clearance specifications with the additional brake hose. **Vehicles not equipped with VSC do not have this extra brake hose.** The location of the TRD driver's side exhaust pipe placed it in a position where in rare cases contact between the brake line and the exhaust pipe might occur. In this condition, the exhaust pipe flange may rub against the right rear brake hose which could cause brake fluid leakage. This may lead to an increase of vehicle stopping distance and thus raise the possibility of an accident.

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

1. **Owner Notification Letter Mailing Date**

The owner notification will commence in late April, 2005.

Although only vehicles equipped with both VSC and the TRD Dual Exhaust System are involved, as the TRD Dual Exhaust System is also available as a Dealer installed option as well as over-the-counter, all owners of 2004 and early 2005 model year Tundra vehicles equipped with VSC will be notified. Customers will be provided with a return postcard so they may indicate that their vehicle is not equipped with the TRD Dual Exhaust System so the SSC can be turned off for that vehicle. Once the customer returns the postcard with the inspection results to TMS, dealers will not be able to file an SSC claim.

Please note that not all vehicles in the VIN range are affected by this SSC. If you are contacted by an owner of an involved vehicle, who has not yet received a notification, please **verify eligibility by confirming through Dealer Daily/TIS prior to performing repairs.** Dealers should perform the inspection and if necessary repairs as outlined in the attached Technical Instructions.

2. **Vehicles in Dealer Stock**

As required by Federal Regulation, dealers are not to deliver any vehicle acquired in their inventory, which is involved in a safety recall, until the necessary inspections/replacements have been performed.

3. Identification of Involved Vehicles

There are approximately 5,730 Tundra (2004 through early 2005 model year) vehicles with VSC involved in the U.S. However, the vehicle must also be equipped with the port, dealer or customer installed TRD Dual Exhaust System accessory for the replacement to apply. We believe there are approximately 100 vehicles nationwide equipped with both VSC and the TRD Dual Exhaust System that will require replacement of the Exhaust System.

Model	Year	VIN Range	
		VDS	Ranges
Tundra	2004	DT441	S439332 – S466377
		DT481	S003283 – S466450
		ET341	S438963 – S462879
		ET381	S438474 – S462758
	2005	BT441	S450912 – S463183
		BT481	S447181 – S463470
		DT441	S458689 – S479776
		DT481	S459342 – S479764
		ET341	S447933 – S474294
		ET381	S463065 – S474158
		KT421	S456152 – S456152
		RT341	S462018 – S462018
		RT381	S450422 – S450422

NOTE:

This SSC only involves certain vehicles equipped with both VSC AND TRD Dual Exhaust System. Not all vehicles in the VIN range are affected. Always consult Dealer Daily or TIS to confirm VIN eligibility and to assure the SSC is applicable. This will verify the vehicle is involved and has not already been completed by another dealer. TMS warranty will not reimburse dealers for repairs conducted on vehicles that are not affected.

4. Dealer/Owner Lists

Affected vehicle VIN lists (VIN only due to changes in Privacy Laws) of Tundra vehicles equipped with VSC for the SSC 50E campaign have been distributed to each dealership's Service and Parts Managers. Please note that only a few vehicles on this list will be equipped with the TRD Dual Exhaust System. These lists are based upon the dealership's Primary Marketing Area (PMA) or selling dealership where applicable. Based upon our records, a dealership which does not have an affected vehicle in their PMA will receive a report indicating so.

5. Repair Procedures

Refer to the attached Technical Instructions.

6. **Parts Ordering**

The necessary parts can be ordered through the dealer's facing PDC. Please refer to the table below and the Technical Instructions for part number information.

Part Number.	Part Description	Qty/Vehicle
PT909-35060	TRD DUAL EXHAUST SYSTEM KIT	1
90917-06085	V-BAND CLAMP EXHAUST PIPE GASKET	1

A UIO by state matrix is listed below to inform dealers of the number of vehicles with both VSC and the TRD Dual Exhaust System equipped as a **Port** installed option in their area.

STATE	UIO	STATE	UIO	STATE	UIO	STATE	UIO	STATE	UIO
AK	0	GA	0	ME	0	NJ	0	SD	0
AL	0	IA	0	MI	0	NM	0	TN	0
AR	0	ID	0	MN	1	NV	3	TX	0
AZ	1	IL	0	MO	0	NY	3	UT	0
CA	1	IN	0	MS	0	OH	0	VA	0
CO	0	KS	0	MT	1	OK	0	VT	0
CT	0	KY	0	NC	0	OR	0	WA	5
DC	0	LA	0	ND	0	PA	0	WI	1
DE	0	MA	1	NE	0	RI	0	WV	0
FL	0	MD	0	NH	0	SC	0	WY	0

The following state matrix shows the total number of TRD Dual Exhaust Systems sold to dealers for either **Dealer** or **Customer** installation. Please note that the TRD Dual Exhaust System must have also had been installed on a 2004 - 2005 Tundra vehicle equipped with VSC for this campaign to apply.

STATE	UIO	STATE	UIO	STATE	UIO	STATE	UIO	STATE	UIO
AK	0	GA	0	ME	7	NJ	5	SD	0
AL	0	IA	1	MI	0	NM	4	TN	2
AR	0	ID	2	MN	0	NV	4	TX	0
AZ	14	IL	1	MO	5	NY	6	UT	0
CA	54	IN	2	MS	0	OH	0	VA	7
CO	4	KS	2	MT	1	OK	0	VT	1
CT	1	KY	0	NC	0	OR	6	WA	17
DC	0	LA	0	ND	0	PA	9	WI	4
DE	3	MA	4	NE	0	RI	2	WV	2
FL	0	MD	4	NH	14	SC	0	WY	3

7. Reimbursement Procedures

Submit Special Service Campaign claims following the procedures described in the Toyota Warranty Policy and Procedures Manual.

Please note that the replaced parts will be placed on Warranty Parts Recovery and dealers will be required to return the original parts to TMS. Parts that are not returned or incorrect repairs will result in the claim being debited by TMS Warranty.

The operation code to be used for this campaign is:

SSC #	Model	Op. Code	Description	Flat Rate Hour
50E	Tundra	5528C1	Vehicle inspection (Determine if the vehicle is equipped, or not, with VSC <u>and</u> TRD Dual Exhaust System.	0.3 hr/vehicle
		5528C2	Vehicle inspection, TRD Dual Exhaust System replacement, and right rear brake hose inspection.	1.1 hr/vehicle
		5528C3	Vehicle inspection, TRD Dual Exhaust System replacement, and right rear brake hose inspection and replacement.	2.6 hr/vehicle

NOTE: The above flat rate times include 0.1 hour in each campaign for administrative cost per unit for the dealership.

- The cost of brake fluid may be claimed using the Toyota Brake Fluid Part Number for Operation Code 5528C3.

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 Special Service Campaign.

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



Special Service Campaign (SSC) Q&A

2004 Through Early 2005 Model Year Tundra With Both VSC and TRD Dual Exhaust System

Q1: What is the condition?

A1: The TRD Dual Exhaust System does not provide adequate clearance to the right rear brake hose, which is installed only on certain 2004 through early 2005 model year Tundra vehicles with the VSC option. **Vehicles not equipped with VSC do not have this extra brake hose.** In this condition, the exhaust pipe flange may rub against the right rear brake hose which could cause brake fluid leakage. This may lead to an increase of vehicle stopping distance and thus raise the possibility of an accident.

Q2: What is the cause of this condition?

A2: The Accessory TRD Dual Exhaust System was added as an available option for all model Tundra's. The TRD Dual Exhaust System met all clearance specifications on models with the standard equipment package. The 2004 through 2005 models offered VSC as an available factory option. When the TRD Dual Exhaust System was added to vehicles with the VSC option, the driver's side exhaust pipe no longer met the clearance specifications. The VSC option added an additional brake line which was not previously present. **Vehicles not equipped with VSC do not have this extra brake hose.** The location of the driver's side exhaust pipe placed it in a position where in rare cases contact between the brake line and the exhaust pipe might occur.

Q3: Are there any warnings that this condition exists?

A3: No, there is no warning that this condition has occurred.

Q4: Which and how many vehicles are involved?

A4: There are approximately 5,730 Tundra (2004 through early 2005 Model Year) vehicles with VSC involved in the U.S. However, only a small percentage of these vehicles are equipped with the TRD Dual Exhaust System. We believe there are approximately 100 vehicles nationwide equipped with both VSC and the TRD Dual Exhaust System that will require replacement of the Exhaust System.

Q5: How do you determine if the vehicle is involved?

A5: Verify that the vehicle is equipped with the VSC option by checking to see if there is a switch labeled "AUTO LSD" below the interior fan switch. If the vehicle is equipped with VSC, verify the presence of a TRD Dual Exhaust System by checking to see if there is a "TRD" label on top of both exhaust tips located behind each rear wheel.

Q6: What is the production period of the affected vehicles?

A6: The affected Toyota Tundra vehicles equipped with VSC were produced from August, 2003 to December 2004. However, the vehicle must also be equipped with the TRD Dual Exhaust System.

Q7: Are there any other Toyota or Lexus vehicles involved?

A7: No, this specific condition only affects certain 2004 through early 2005 Model Year Toyota Tundra vehicles equipped with VSC and a TRD Dual Exhaust System.

Q8: How many incidents of this condition have been reported?

A8: There have been no cases of this condition reported in the affected Tundra vehicles.

Q9: Have there been any accidents reported?

A9: There have been no reported cases of accidents related to this condition.

Q10: What is Toyota going to do?

A10: Owners of the involved vehicles will receive a Special Service Campaign notification by first class mail beginning in late April, 2005, requesting them to determine if their vehicle is involved. Customers whose vehicles are not involved will be requested to indicate so on a return postcard provided to them.

Q11: How long will the repair take?

A11: The repair will take approximately 2 hours. However, depending upon the dealer's work schedule, it may be necessary to make the vehicle available for a longer period of time.

Q12: What should an owner do if they experience the condition?

A12: Owners are requested to contact their local Toyota dealer for diagnosis and repair.

**2004 Through Early 2005 Model Year Tundra
With Both VSC and TRD Dual Exhaust System
SAFETY RECALL NOTICE**

Dear Toyota Customer:

This notice is 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 2004 through early 2005 Model Year Toyota Tundra vehicles with Vehicle Stability Control (VSC) and a TRD Dual Exhaust System.

What is the problem?

Due to a design error, the TRD Dual Exhaust System does not provide adequate clearance to the right rear brake hose when installed on certain 2004 through 2005 model year Tundra vehicles with Vehicle Stability Control (VSC). In this condition, the exhaust pipe flange may rub against the right rear brake hose that could cause brake fluid leakage, which may lead to an increase of vehicle stopping distance and thus increase the possibility of an accident.

What will Toyota do?

Any Toyota dealer will replace the TRD Dual Exhaust System, inspect, and if necessary replace the right rear brake hose at **NO CHARGE**.

What should you do?

Please contact your authorized Toyota dealer to make an appointment to replace the TRD Dual Exhaust System as soon as possible. The actual repair will take approximately 2 hours. However, depending upon the dealer's work schedule, it may be necessary to make your vehicle available for a longer period of time.

We request that you present this notice to the dealer at the time of your service appointment.

If you no longer own the vehicle, please indicate so on the enclosed postage-paid form, providing us with the name and address of the new owner.

What if you have other questions?

Your local Toyota dealer will be more than happy to answer any of your questions and set up an appointment to perform the installation. If you require further assistance, you may contact the Toyota Customer Experience Center at 1-888-270-9371 Monday through Friday, 5:00 am to 9:30 pm, Saturday and Sunday 7:00 am through 3:00 pm Pacific Standard Time.

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, 400 Seventh Street S.W., Washington, D.C. 20590, or call the toll free Auto Safety Hot Line at 1-888-327-4236.

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 lessee within ten days.

We have sent this notice in the interest of your continued satisfaction with our products, and we sincerely regret any inconvenience this condition may have caused you.

Thank you for driving a Toyota.

Sincerely,

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

**2004 Through Early 2005 Model Year Tundra
With Both VSC and TRD Dual Exhaust System
SAFETY RECALL NOTICE**

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This notice is 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 2004 through early 2005 Model Year Toyota Tundra vehicles with Vehicle Stability Control (VSC) and a TRD Dual Exhaust System.

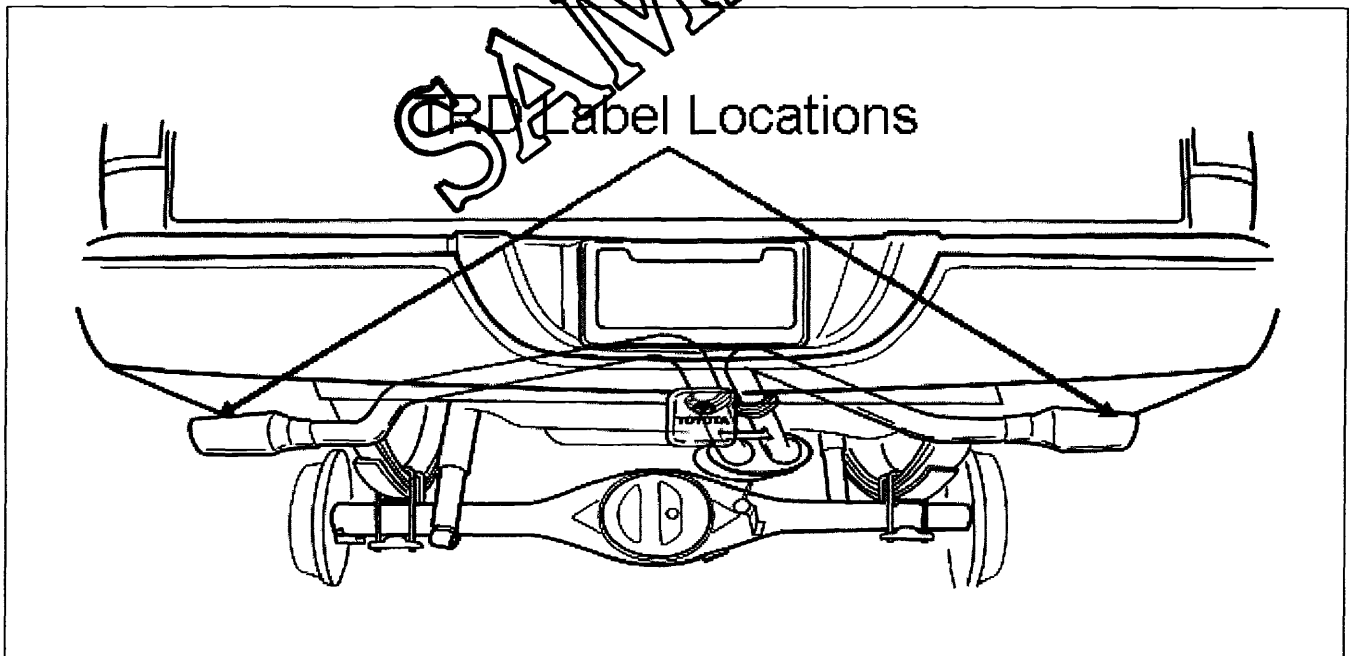
What is the problem?

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How do you determine if your vehicle is involved?

Please perform the following procedure to determine if your vehicle is affected by this condition.

If your vehicle is equipped with a TRD Dual Exhaust System there will be two exhaust outlets (instead of one) and they will have a "TRD" label on top of both exhaust tips located behind each rear wheel.



If your vehicle is equipped with a single exhaust or does not meet the criteria described above, it is **NOT** involved in the SSC. Please fill out the enclosed postage paid form indicating that it is not included in the SSC. If you cannot determine if your vehicle is involved please contact your Toyota dealer for assistance.

What will Toyota do?

If your vehicle is equipped with the TRD Dual Exhaust System, any Toyota dealer will replace the TRD dual exhaust system, inspect, and if necessary replace the right rear brake hose at **NO CHARGE**.

What should you do?

If you have determined that your vehicle is equipped with the TRD Dual Exhaust System or you require dealer assistance to inspect your vehicle, please contact your authorized Toyota dealer to make an appointment as soon as possible. The actual inspection, and if required, repair, will take approximately 2 hours. However, depending upon the dealer's work schedule, it may be necessary to make your vehicle available for a longer period of time.

We request that you present this notice to the dealer at the time of your service appointment.

If you no longer own the vehicle, please indicate so on the enclosed postage-paid form, providing us with the name and address of the new owner.

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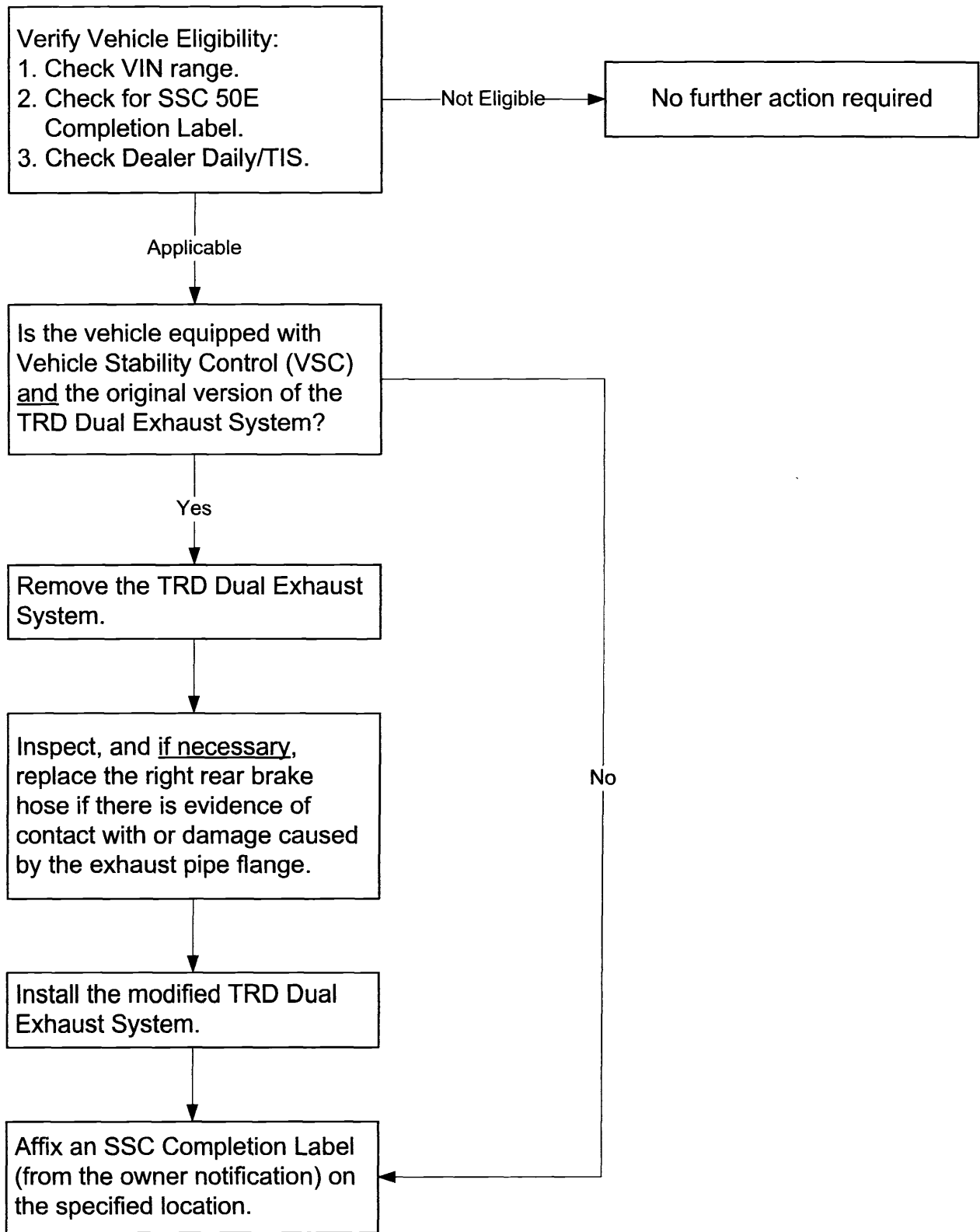
TECHNICAL INSTRUCTIONS

FOR

SPECIAL SERVICE CAMPAIGN 50E

**2004 THROUGH EARLY 2005 MODEL YEAR TUNDRA
WITH BOTH VSC AND TRD DUAL EXHAUST SYSTEM**

I. OPERATION FLOW CHART



NOTE: **DO NOT** throw away the TRD Dual Exhaust System muffler. It will be recovered under the Warranty Parts Recovery Program.

II. IDENTIFICATION OF AFFECTED VEHICLES

A. AFFECTED VIN RANGE

MODEL	YEAR	VIN Range	
		VDS	Range
Tundra	2004	DT441	S439332 – S466377
		DT481	S003283 – S466450
		ET341	S438963 – S462879
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		DT441	S458689 – S479776
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		ET341	S447933 – S474294
		ET381	S463065 – S474158
		KT421	S456152 – S456152
		RT341	S462018 – S462018
		RT381	S450422 – S450422

NOTE:

This SSC only involves certain vehicles with both VSC AND TRD Dual Exhaust System. Not all vehicles in the VIN range are affected. Always consult Dealer Daily or TIS to confirm VIN eligibility and to assure the SSC is applicable. This will verify the vehicle is involved and has not already been completed by another dealer. TMS warranty will not reimburse dealers for repairs conducted on vehicles that are not affected.

III. PREPARATION

A. PARTS

Part No.	Part Name	Qty./Veh
PT909-35060	TRD DUAL EXHAUST SYSTEM KIT	1
90917-06085	V-BAND CLAMP EXHAUST PIPE GASKET	1

The muffler of the replaced TRD Dual Exhaust System must be retained and returned as requested under the terms of the Warranty Parts Recovery policy.

B. TOOLS

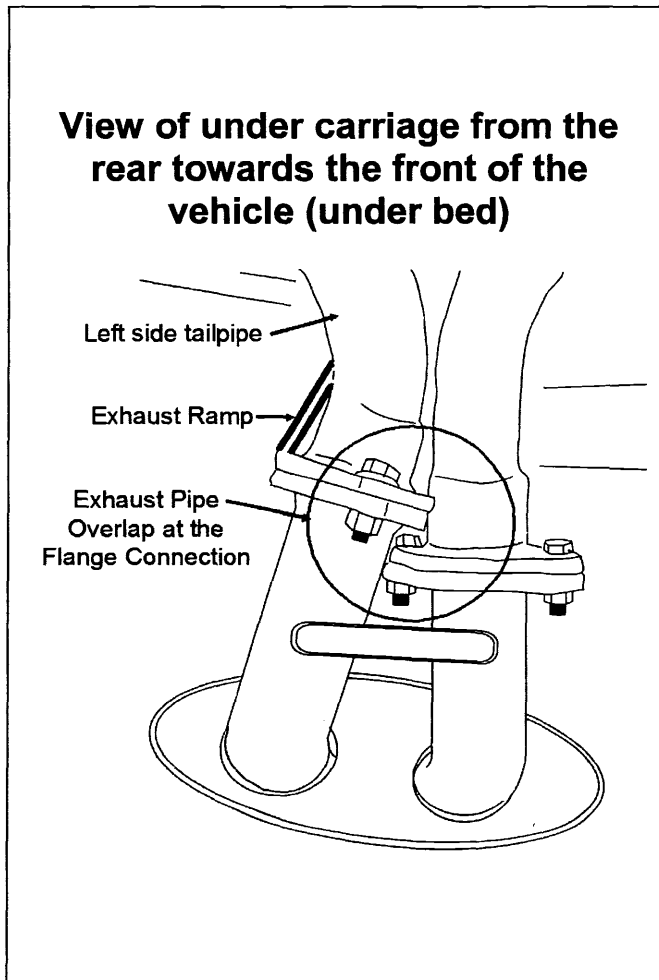
- Standard hand tools
- Standard exhaust hanger removal tool

IV. BACKGROUND

The Accessory TRD Dual Exhaust System was added as an available option for all model Tundra's. The TRD Dual Exhaust System met all clearance specifications on models with the standard equipment package. The 2004 through 2005 models offered VSC as an available factory option, which includes an additional brake line which was not previously present. When the TRD Dual Exhaust System was added to vehicles with the VSC option, the driver's side exhaust pipe no longer met the clearance specifications with the additional brake hose. **Vehicles not equipped with VSC do not have this extra brake hose.** The location of the TRD driver's side exhaust pipe placed it in a position where in rare cases contact between the brake line and the exhaust pipe might occur. In this condition, the exhaust pipe flange may rub against the right rear brake hose which could cause brake fluid leakage. This may lead to an increase of vehicle stopping distance and thus raise the possibility of an accident.

V. WORK PROCEDURE

A. TRD DUAL EXHAUST SYSTEM INSPECTION

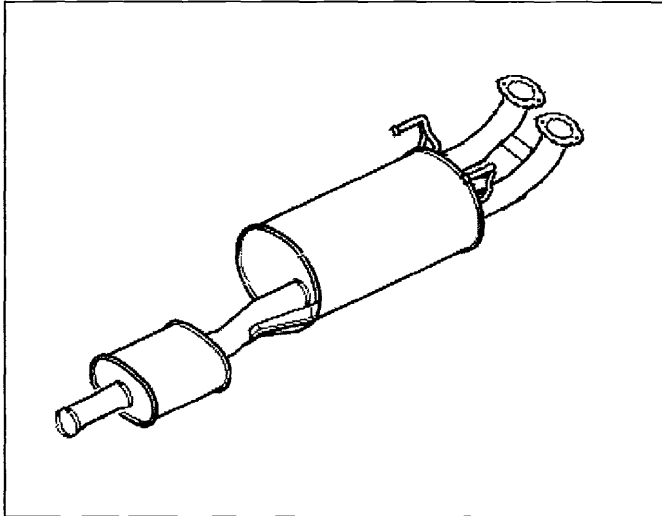


Vehicle must have both VSC and the original version of the TRD Dual Exhaust System for this repair to apply.

1. HOW TO DETERMINE WHICH VERSION OF THE TRD DUAL EXHAUST SYSTEM IS INSTALLED

- (a) Check the left side tailpipe for an exhaust ramp, and that the left and right exhaust pipes overlap at the flange connection, as shown in the illustration.
- (b) If an exhaust ramp is present and the left and right exhaust pipes overlap, the vehicle has the updated TRD Dual Exhaust System installed. **NO** repairs are necessary.
- (c) If an exhaust ramp is **NOT** present and the left and right exhaust pipes **DO NOT** overlap, the vehicle has the affected TRD Dual Exhaust System installed. Continue to the next step for repair procedures

B. DUAL EXHAUST SYSTEM REMOVAL



1. WARRANTY PARTS RECOVERY PREPARATION FOR THE TRD DUAL EXHAUST SYSTEM MUFFLER

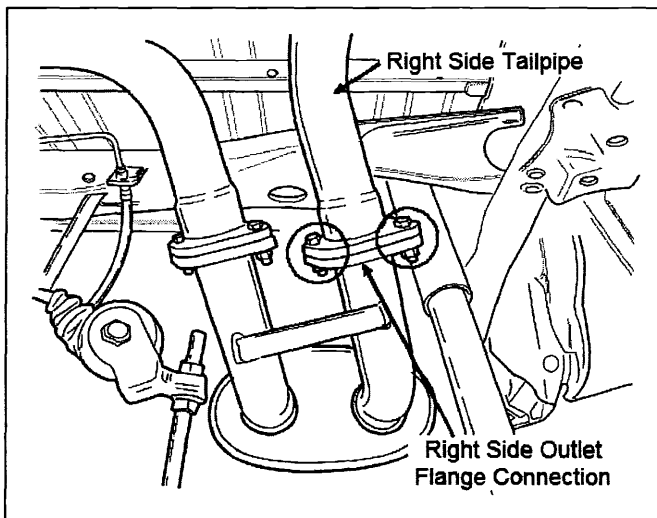
The muffler will be recovered for all TRD Dual Exhaust Systems replaced under SSC 50E.

NOTE:

Do not send the entire exhaust system, **ONLY** the muffler is required for Warranty Parts Recovery.

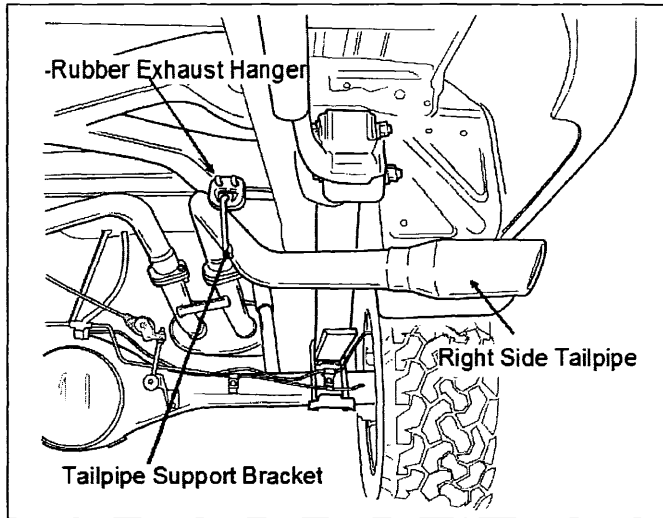
2. TAPE THE RIGHT REAR BRAKE HOSE

- (a) Mark the right rear brake hose with masking tape at its closest point to the exhaust pipe. This taped area will be the focal point of brake hose inspection that will be conducted later.



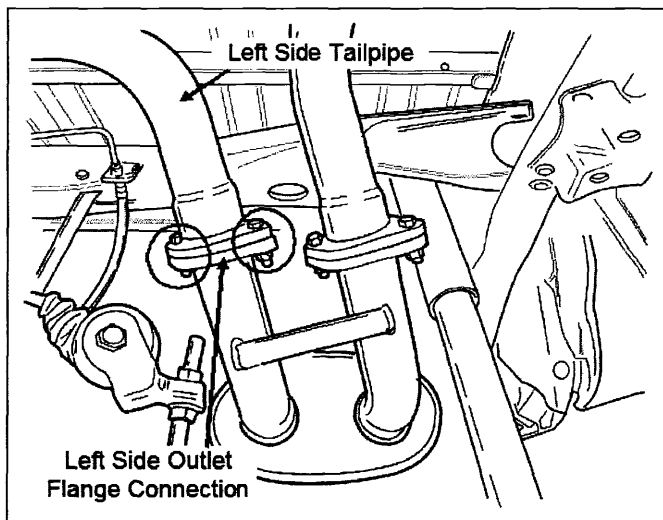
3. REMOVE THE RIGHT SIDE TAILPIPE

- (b) Remove and discard the 2 nuts and 2 bolts indicated in the illustration.
- (c) Separate the right side tailpipe from the right side outlet flange.
- (d) Remove and discard the exhaust gasket.



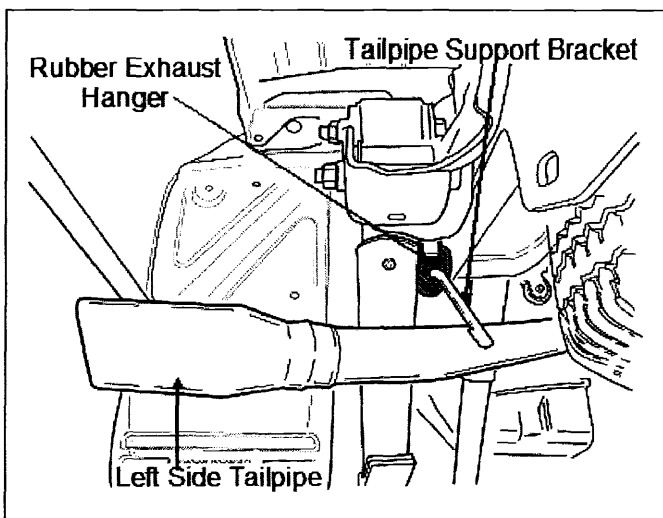
- (e) Remove the tailpipe support bracket from the rubber exhaust hanger, and then remove the right side tailpipe from the vehicle.

NOTE:
Lubricating the rubber exhaust hanger with soap & water can facilitate tailpipe support bracket removal.



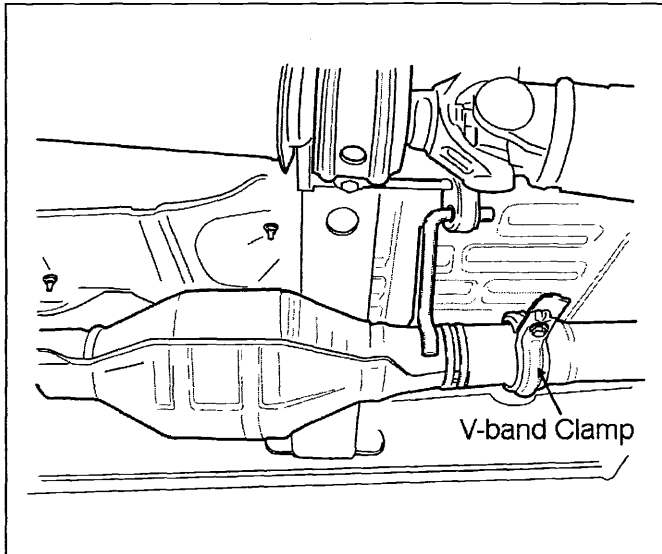
4. REMOVE THE LEFT SIDE TAILPIPE

- (a) Remove and discard the 2 nuts and 2 bolts indicated in the illustration.
- (b) Separate the left side tailpipe from the left side outlet flange.
- (c) Remove and discard the exhaust gasket.



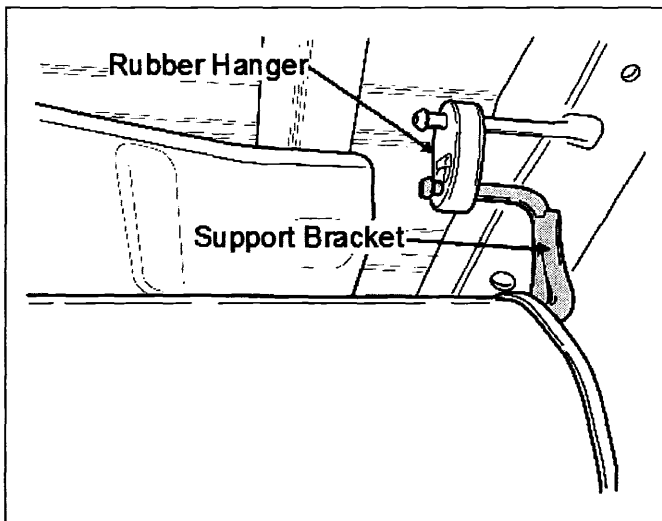
- (d) Remove the tailpipe support bracket from the rubber exhaust hanger, and then remove the left side tailpipe from the vehicle.

NOTE:
Lubricating the rubber exhaust hanger with soap & water can facilitate tailpipe support bracket removal.



5. REMOVE THE MUFFLER

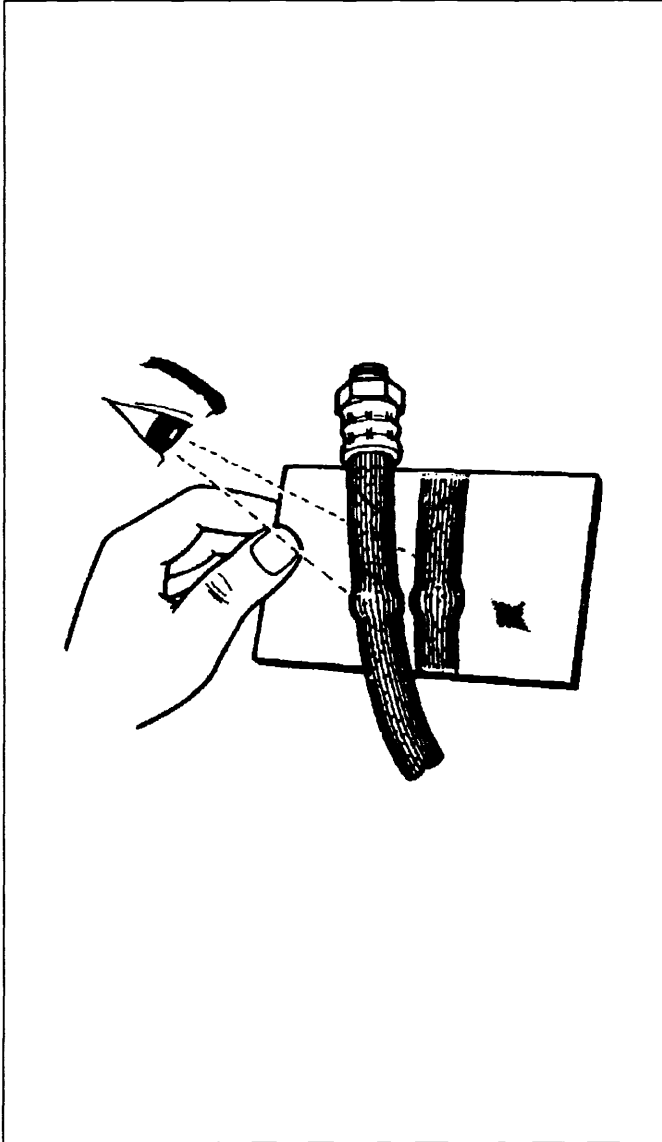
- (a) Locate the V-band clamp found in front of the muffler.
- (b) Remove the V-band clamp bolt and nut.
- (c) Remove the V-band clamp.
- (d) Remove and discard the V-band clamp exhaust pipe gasket.



- (e) Remove the 2 muffler support brackets from the rubber exhaust hangers, and then remove the muffler.

NOTE:
Lubricating the rubber exhaust hangers with soap & water can facilitate muffler support bracket removal.

C. RIGHT REAR BRAKE HOSE INSPECTION



1. INSPECT THE RIGHT REAR BRAKE HOSE

(a) In a well-lighted area, inspect the area of the right rear brake hose marked with the masking tape.

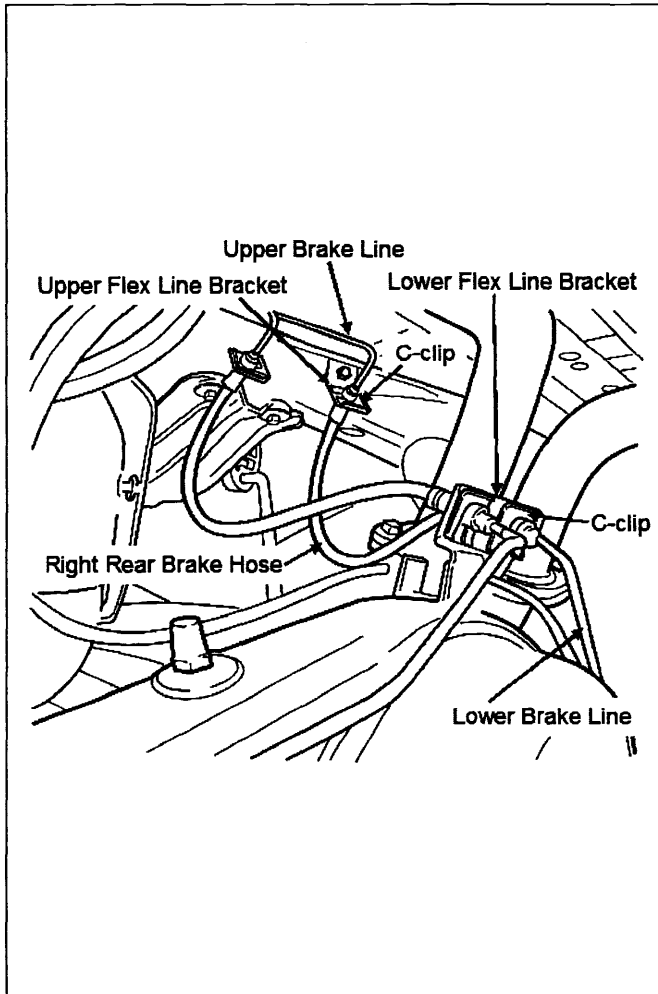
- Check the brake hose to see if it has come in contact with the exhaust pipe flange.
- Check the brake hose for any damage (cuts, scratches, rubbing, discoloration, bubbling, or burn marks) caused by the exhaust pipe flange.

NOTE:

Use a mirror to inspect the areas that are difficult to see.

(b) If the brake hose shows **NO** signs of contact or damage caused by the exhaust pipe flange, brake hose replacement is **NOT** needed, proceed to “**B. UPDATED DUAL EXHAUST SYSTEM INSTALLATION.**”

(c) If the brake hose shows signs of contact or damage caused by the exhaust pipe flange replace the brake hose, proceed to the next step.



2. REPLACE THE RIGHT REAR BRAKE HOSE (ONLY IF NECESSARY)

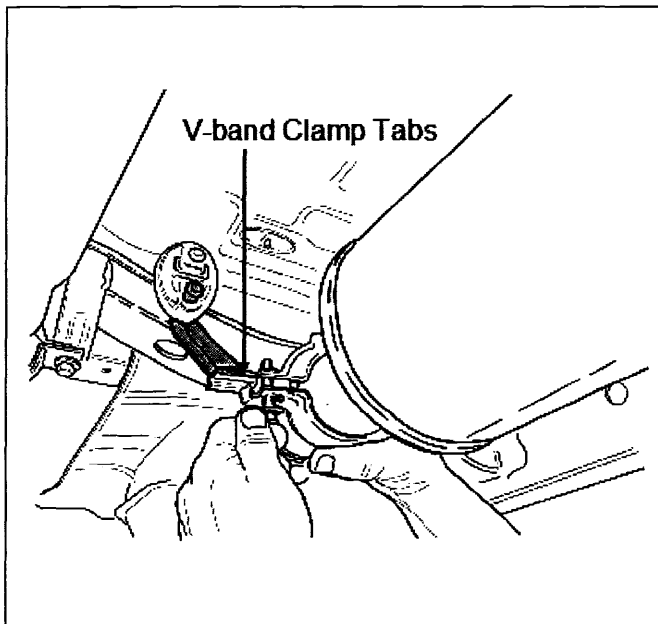
- Disconnect the upper and lower brake lines from the right rear brake hose.
- Remove the upper and lower C-clips located on the flex line brackets.
- Remove the damaged brake hose.
- Install a new brake hose.
- Reinstall the upper and lower C-clips located on the flex line brackets.
- Reconnect the upper and lower brake lines, and torque them to the specification.

Torque Specification:
15 N·m (155 kgf·cm, 11 ft·lbf)

- Bleed the brake system. Refer to the appropriate repair manual section the procedure.

NOTE:
Immediately wash off any brake fluid that may have spilled onto painted surfaces.

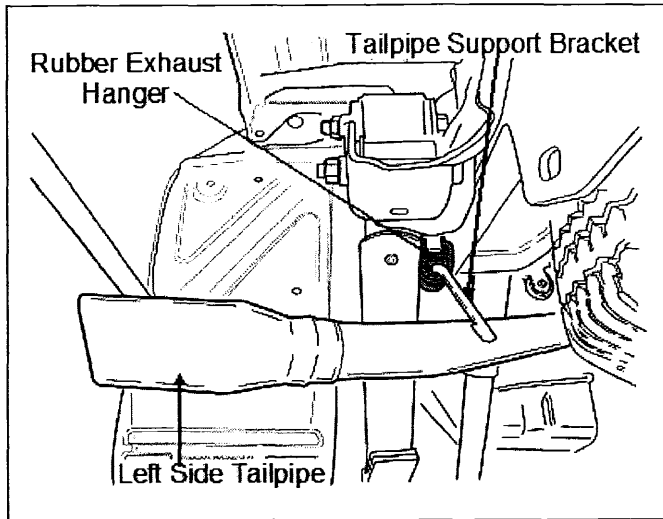
D. UPDATED DUAL EXHAUST SYSTEM INSTALLATION



1. INSTALL THE MUFFLER

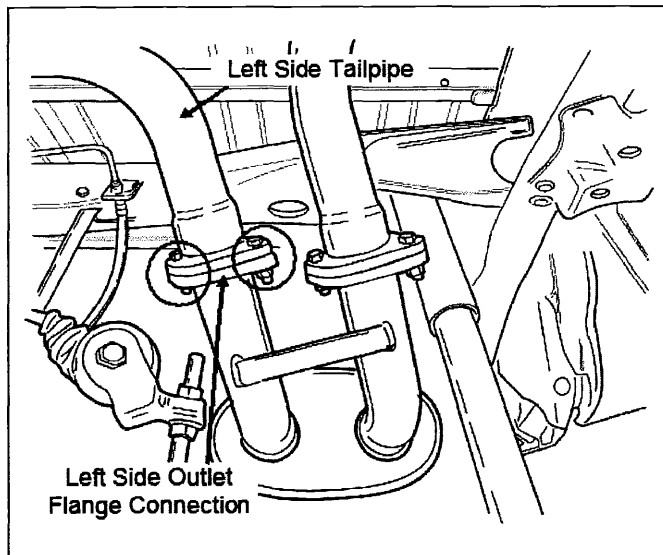
- Install a new V-band clamp exhaust pipe gasket.
- Install the muffler with the rear end first, and then reinsert the muffler support brackets into the rubber exhaust hangers.
- Reinstall the V-band clamp with the tabs in a horizontal position, as shown in the illustration.
- Reinstall the V-band clamp bolt and nut, and torque it to specification.

Torque Specification:
32 N·m (326 kgf·cm, 24 ft·lbf)



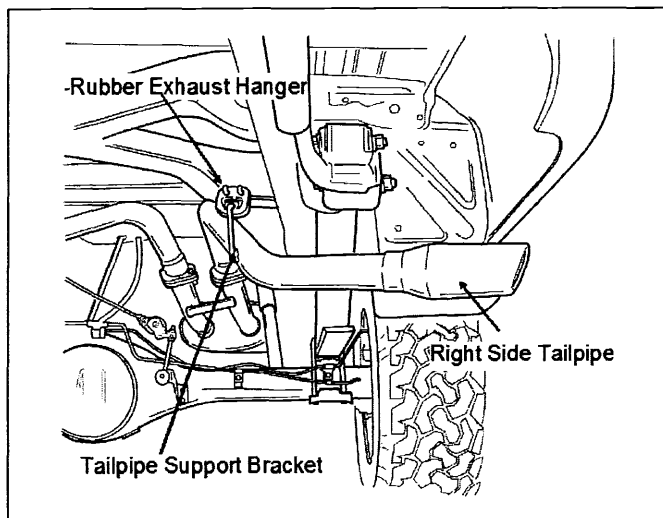
2. INSTALL THE LEFT SIDE TAILPIPE

- (a) Install the left side tailpipe, and then insert the tailpipe support bracket into the rubber exhaust hanger.



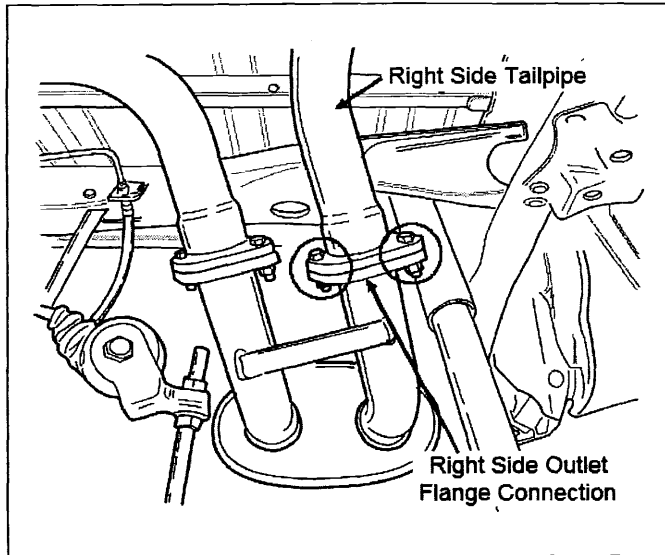
- (b) Install a new exhaust gasket (supplied in the TRD Dual Exhaust System kit) between the left side tailpipe and the left side outlet flange.
- (c) Connect the left side tailpipe to the left side outlet flange using 2 new bolts and 2 new nuts (supplied in the TRD Dual Exhaust System kit), hand-tighten these fasteners only.

NOTE:
Hand-tighten these fasteners only, as clearance adjustments may need to be performed.



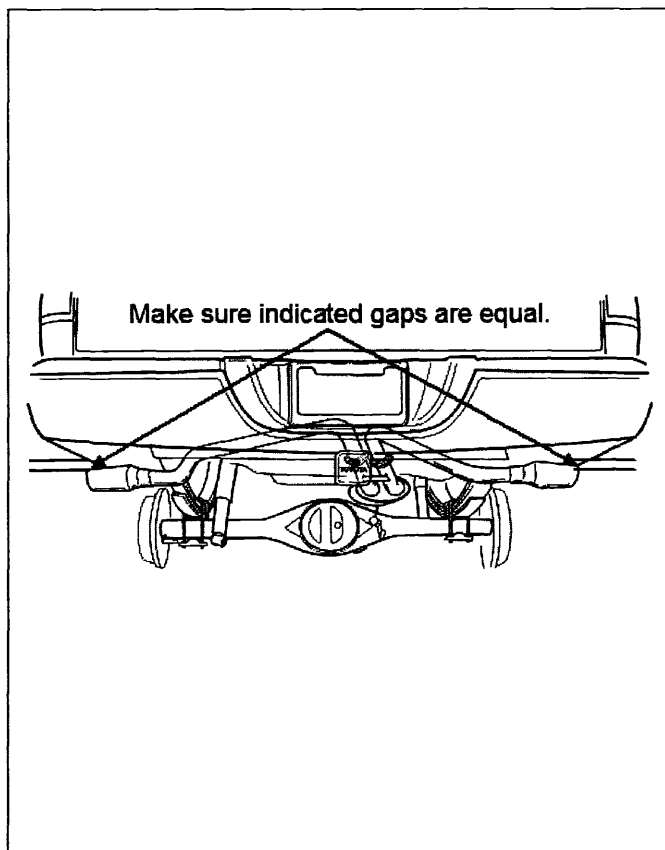
3. INSTALL THE RIGHT SIDE TAILPIPE

- (a) Install the right side tailpipe, and then insert the tailpipe support bracket into the rubber exhaust hanger.



- (b) Install a new exhaust gasket (supplied in the TRD Dual Exhaust System kit) between the right side tailpipe and the right side outlet flange.
- (c) Reinstall the right side tailpipe to the right side outlet flange using 2 new bolts and 2 new nuts (supplied in the TRD Dual Exhaust System kit), hand-tighten these fasteners only.

NOTE:
Hand-tighten these fasteners only, as clearance adjustments may need to be performed.



4. CHECK THE RIGHT SIDE TAILPIPE CLEARANCE

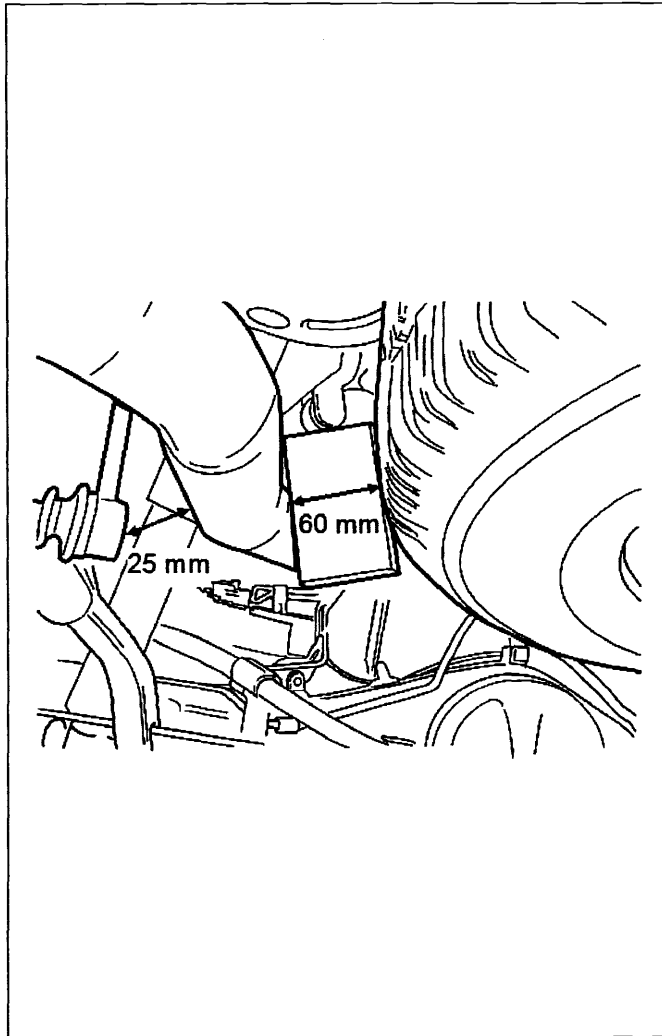
- (a) Check the clearance between the top of the right side tailpipe tip and the bottom edge of the truck bed, as shown in the illustration.

Clearance: 25 mm ± 5 mm

- (b) If the clearance is out of specification, adjust the right side tailpipe at the right side outlet flange.
- (c) Torque the tailpipe fasteners to specification.

Torque Specification:
48 N·m (489 kgf·cm, 35 ft·lbf)

NOTE:
To aid in clearance inspections, make a 25 mm cardboard template.



5. CHECK THE LEFT SIDE TAILPIPE CLEARANCES

(a) Check the following clearances for the left side tailpipe.

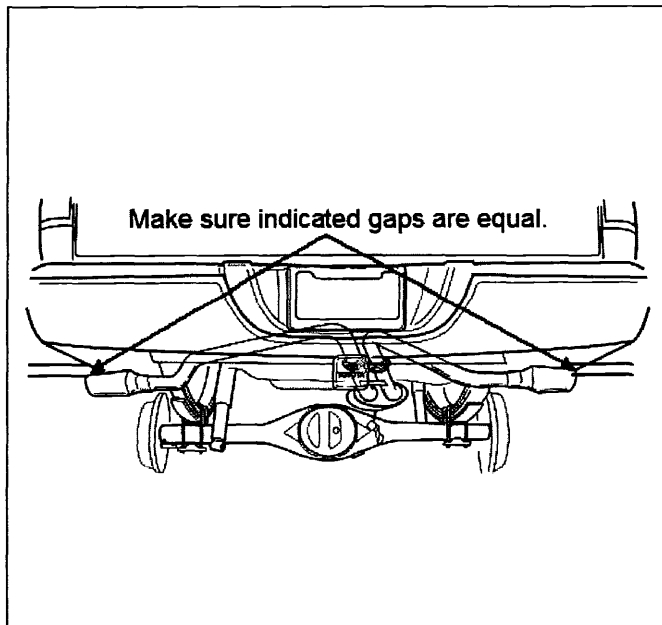
- **Left Side Tailpipe to Spare Tire:**
60 mm ± 5 mm
- **Left Side Tailpipe to Stabilizer Bar (Applies to Sport Models Only):**
25 mm ± 5 mm

(b) If the clearances are out specification, adjust the left side tailpipe at the left side outlet flange. If necessary, the spare tire can be adjusted for added clearance.

(c) Torque the tailpipe fasteners to specification.

Torque Specification:
48 N·m (489 kgf·cm, 35 ft·lbf)

NOTE:
To aid in clearance inspections, make a 60 mm and a 25 mm cardboard template.

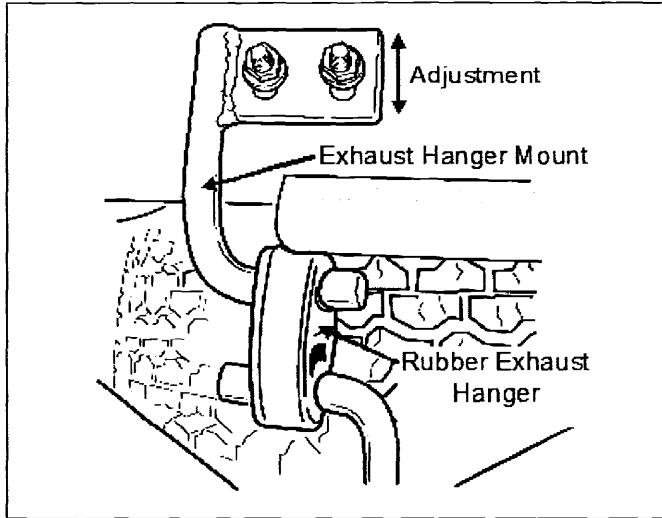


(d) Check the clearance between the top of the left side tailpipe tip and the bottom edge of the truck bed, as shown in the illustration.

Clearance: 25 mm ± 5 mm

(e) Check that the difference between the left and right side tailpipe tip to the bottom edge of the truck bed measurements are within ± 5 mm of each other.

NOTE:
To aid in clearance inspections, make a 25 mm cardboard template.



- (f) If these clearances are out of specification, adjust the exhaust hanger mount for the left side tailpipe.
- (g) Loosen the 2 bolts.
- (h) Move the exhaust hanger up or down to adjust the clearance.
- (i) Tighten the 2 bolts.

6. EXHAUST SYSTEM INSPECTION

- (a) Recheck all clearance measurements.
- (b) Inspect the exhaust system for any leaks.
- (c) Inspect the brake system for proper operation if the brake hose was replaced.

VI. SSC COMPLETION LABEL INSTALLATION

After completing the repair and before returning the vehicle to the owner, an SSC completion label, which is enclosed in the owner's notification letter, must be affixed to the left front door hinge post, near the check strap.

(a) The label is to be filled out as follows:

- Write in SSC 50E.
- Write in date of repair.
- Write in your dealer code.

SSC	Date
DEALER CODE NO.	
00410-01917	

(b) Additional SSC completion labels, in sheets of 50 (P/N 00410-01917), may be ordered through the non-parts system on a 1450 order form or through the TDN system.