TOYOTA

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

DATE: 2009

RE: Information Packet for LSC 90D

LSC 90D - LIMITED SERVICE CAMPAIGN FOR 2001 - 2004 MODEL YEAR TACOMAS

WEST VIRGINIA DEALER INFORMATION PACKET

This bound volume contains two parts of the West Virginia Dealer Information Packet—the **Getting Started Guide** and the **Federal, State and Local Requirements Guide**. The third part—the **Technical Instructions**—is bound separately.

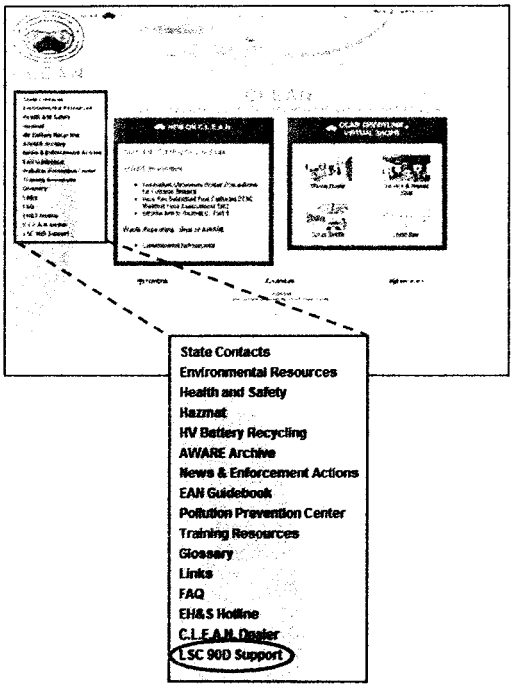
IMPORTANT – PLEASE READ

TOYOTA

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

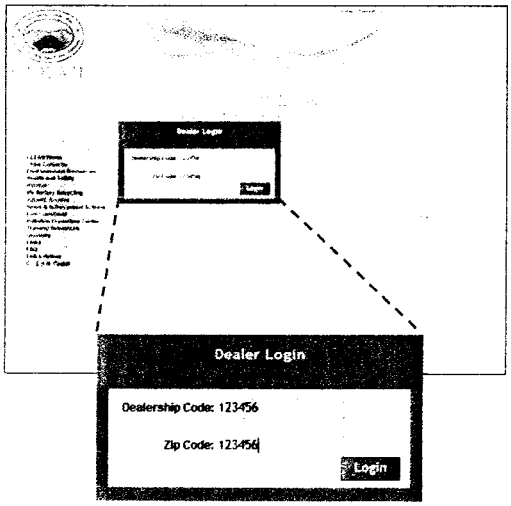
Important Information – LSC 90D
Dealer Readiness Tool

A web-based LSC readiness tool is now available for your use at http://cleandealer.com. You cannot begin LSC services until your *"Readiness Status"* as reflected by your *"Readiness Dashboard"* shows 100% completion in all preparation areas. KPA will help you get started with this process when they call to conduct your readiness survey. It is your responsibility to complete your preparations for the LSC and update your *"Readiness Dashboard"*. **Special Equipment Kits (spray gun kits) will be automatically shipped when your "*Readiness Status*" reflected by your "*Readiness Dashboard*" shows 100%.**



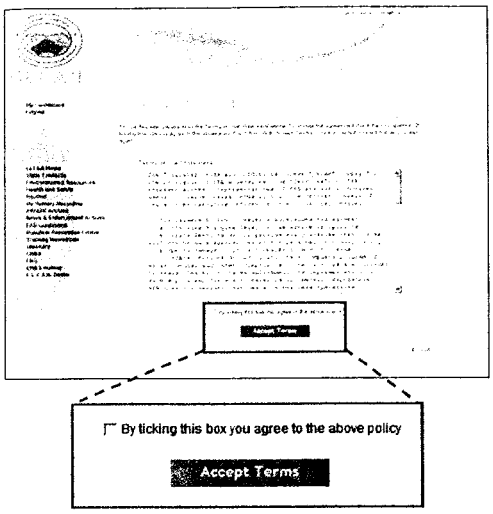
1. GO TO THE C.L.E.A.N. DEALER WEBSITE & OPEN THE LSC 90D SUPPORT PAGE

a) Enter http://cleandealer.com into the URL.
b) Click on the *"LSC 90D Support"* link located on the lower left corner of the webpage.



2. LOG INTO THE LSC 90D SUPPORT WEBSITE

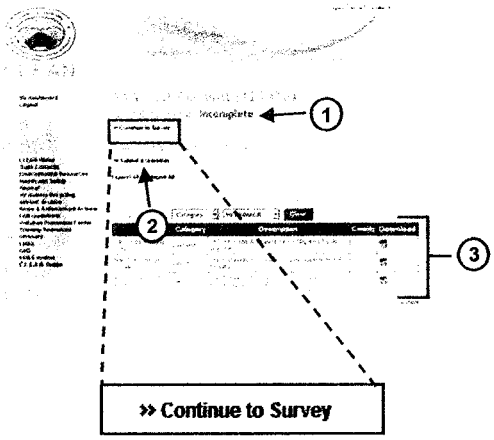
a) Enter your Dealership Code and Zip Code.
b) Click on the "*Login*" button.



3. READ AND ACCEPT THE TERMS AND CONDITIONS FOR USING THIS DATABASE

a) Read the Terms and Conditions.
b) *Accept the Terms and Conditions by clicking on the box labeled, "*By ticking this box you agree to above policy*".
c) After marking the box, click the "*Accept Terms*" button.

***If you have questions or concerns about accepting these terms and conditions, please call the LSC 90D support hotline at 877-KPA4EHS (877-572-4347). In most cases the Terms and Conditions will only need to be accepted during the initial sign in.**



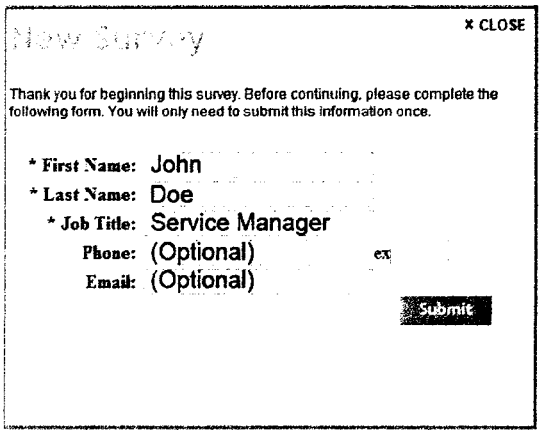
4. COMPLETE THE *READINESS* SURVEY

a) Click on the "*Continue to Survey*" link located on the "*Readiness Dashboard*" page.

Note:

- **Additional information can be obtained by using the links outlined below:**

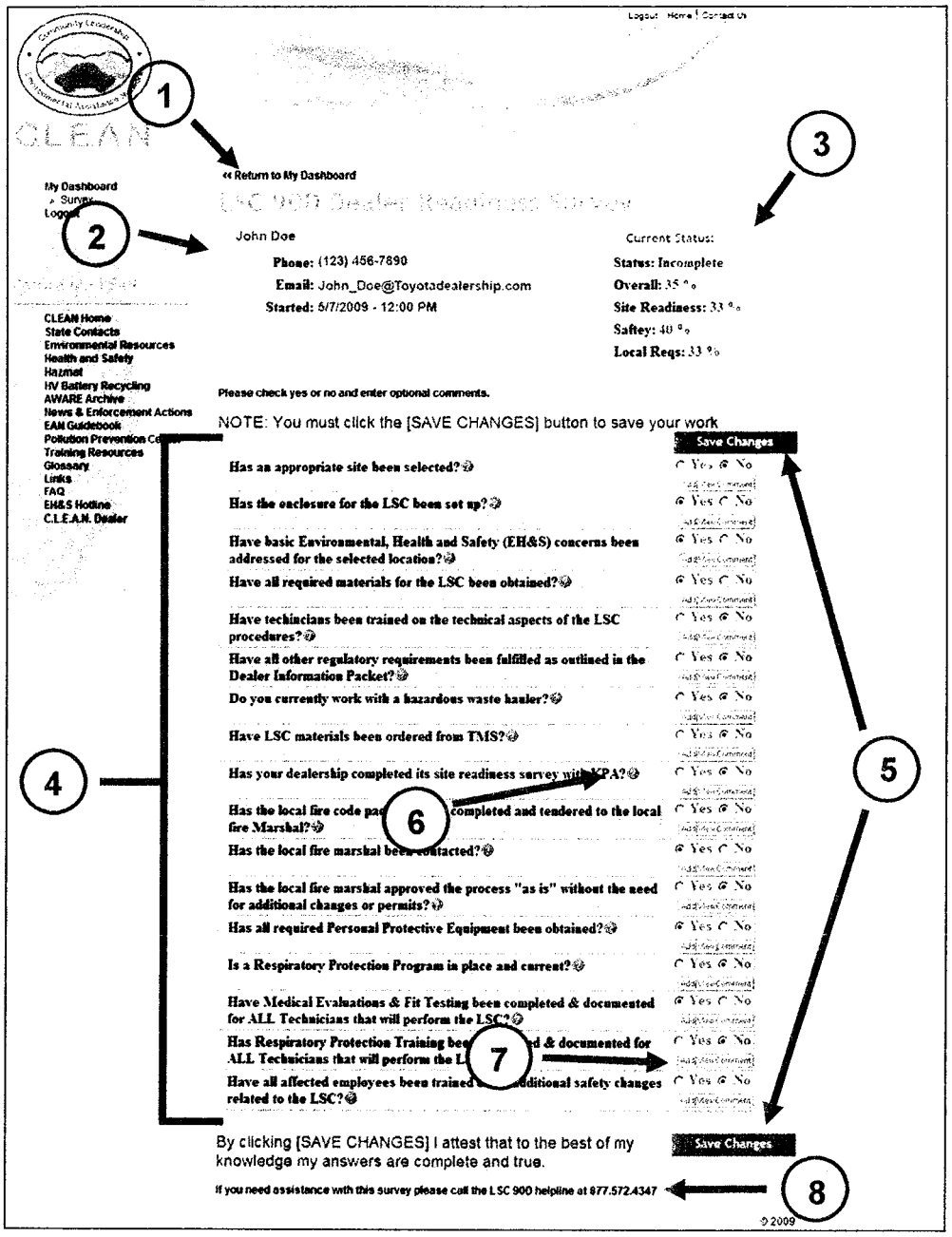
1	View your "*Readiness Status*". **Special Equipment Kits (spray gun kits) will be automatically shipped when your "*Readiness Status*" shows "*Complete 100%*".**
2	Submit questions relating to the 90D Readiness Survey. These questions are reviewed and answered by LSC 90D Specialists. You can generally expect a response within one business day.
3	Review posted documents. Some of these documents may include: • The Dealer Information Packet • Model Fire Official Letter • MSDS for both the 712AM and the X128T • Website instructions • Other useful documents needed to perform this LSC.



b) When you first begin the survey a box will appear in the lower right corner of the screen. Before proceeding you will need to provide the **LSC Program Manager's information:
   - First Name
   - Last Name
   - Job Title
   - Phone Number and Extension (Optional)
   - Email address (Optional)

****The LSC Program Manager is the dealership associate coordinating preparations for this Limited Service Campaign. In most cases this will be the Service Manager. This information will only need to be submitted during the initial sign in.**

c) Fill in the survey. ***Each time your dealership's status changes make sure to update the survey and click "Save Changes".***



1	"*Return to My Dashboard Link*" – This link returns the user to the "*Readiness Dashboard*".
2	"*User Information Box*" – This box populates with the data that was entered in step 4b. It also inserts a timestamp for when the 90D Readiness Survey was first started.
3	"*Current Status Box*" – This box indicates the preparation completed by the dealership. **Special Equipment Kits (spray gun kits) will be <u>automatically</u> shipped when this box indicates all the overall preparations are complete.**
4	"*Survey Questionnaire*" – The information provided in this section indicates the preparation level for each dealership.
5	"*Save Changes*" – When finished updating the information on the survey, click the Save Changes button before exiting the screen or the updated information will be lost.
6	"*Help Bubble*" – This help tool provides additional clarification for each question on the 90D Readiness Survey.
7	"*Add/View Comments*" – By clicking on this button comments/notes can be added and reviewed.
8	"*Service Help Number*" – If you need additional information please call the number shown here.

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

To: West Virginia Dealer Principals and Service Managers
Date: June 2009
RE: Limited Service Campaign (LSC) 90D

Enclosed, please find information required to initiate LSC 90D in your geographic area:

- ***State Specific*** Dealer Information Packet (***Please follow these instructions prior to starting the LSC***).
- LSC 90D Technical Instructions

In addition to the above, the ***Service Manager Package*** also includes the following:

- Dealership Specific VIN List
- Laminated Corrosion-Preventative Compound Operation Summary
- LSC 90D Dealership Readiness Tool Guidelines (see note on page 2 for Spray Gun order instructions)
- LSC 90D Binder Tab
- Customer Information Card, MDC #00411-09001 (200 pieces*) to leave with vehicle following application of the Corrosion-Prevention Compound
  **Additional Cards are available through the MDC*

Your Parts Manager will receive only the following:

- Technical Instructions; this includes ordering information for the Corrosion-Prevention Compound Kit (P/N 00289-00KIT-DS). Please note that these kits will take four business days for delivery.
- Dealership Specific VIN List
- LSC 90D Binder Tab

IMPORTANT: Your dealership will be contacted by an EH&S Specialist from KPA, LLC to conduct an LSC readiness survey and help guide you through facility preparations. To avoid unnecessary delays, please do the following:

- Prepare for your KPA readiness survey: review the readiness questionnaire at http://cleandealer.com (follow the link to LSC 90D) and conduct advance research as necessary. The Service Manager and/or dealership EH&S Coordinator should be prepared to respond to survey questions when the KPA Specialist calls.
- Read the detailed dealer package immediately: read the entire package carefully paying special note to permitting requirements and associated forms.
- Complete all required forms: DO NOT contact any agency regarding the LSC until you have done this.

Please give the KPA EH&S Specialist the same courtesy you give your TMS Region representatives. If you have any questions, please contact your Region or the LSC EH&S hotline at (877) 572 4347.

Thank you for your cooperation in this important Limited Service Campaign.

Toyota Motor Sales, U.S.A., Inc.

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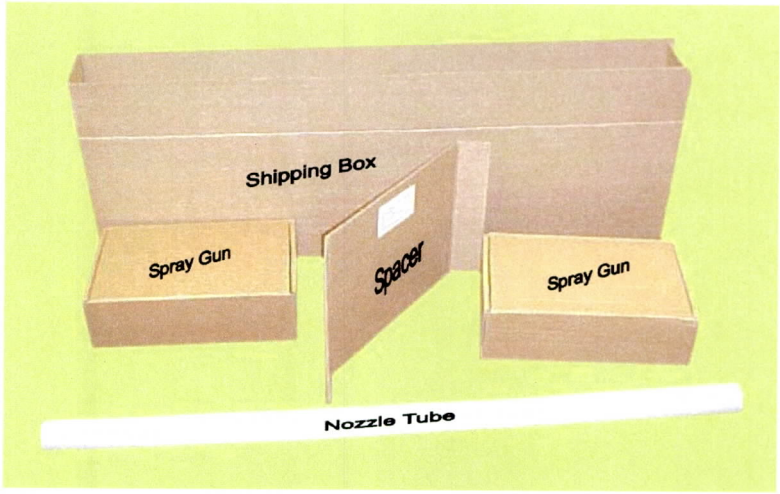
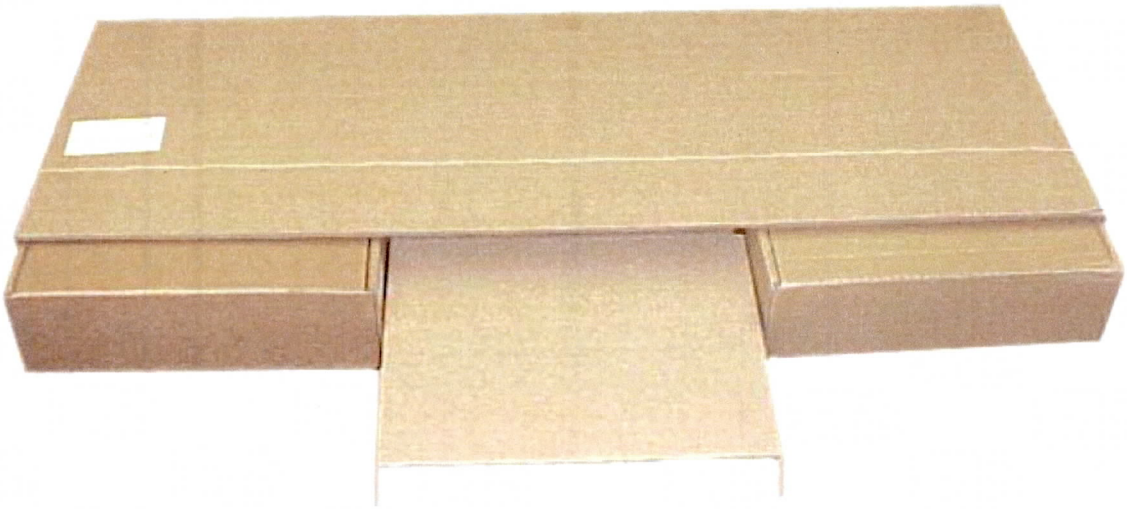
NOTE: A web-based LSC 90D Dealership Readiness Tool is now available for your use at http://cleandealer.com (follow the LSC 90D link). Special Equipment (Spray Gun) Kits will ship automatically as soon as your *"Readiness Status"* as reflected by your *"Readiness Dashboard"* shows 100% completion in all preparation areas. **Special Equipment (Spray Gun) Kits will not be shipped until your "*Readiness Status*" reflected by your "*Readiness Dashboard*" shows 100%. Please see attached instructions.**

When received, the Special Equipment (Spray Gun) Kit package will have a fluorescent (green, yellow or pink) label as seen below for easy identification.





TOYOTA

LSC 90D - LIMITED SERVICE CAMPAIGN
2001 - 2004 MODEL YEAR TACOMA FRAME CORROSION-PREVENTATIVE COMPOUND
TECHNICAL INSTRUCTIONS

Please review this entire information packet with your Service and Parts staff. This will familiarize them with the proper step-by-step procedures required to implement this LSC.

INTRODUCTION

Toyota will initiate a Limited Service Campaign (LSC) 90D to inspect and apply a Corrosion-Preventative Compound (specialized protective sealant) to the frames of certain 2001 through 2004 model year Tacoma vehicles WITHOUT RUST CORROSION PERFORATION that are registered in the following states and the District of Columbia:

CT, DE, IL, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, VA, VT, WI, and WV

Toyota has received reports that a small number of 2001 through 2004 model year Tacoma vehicles operated in severe cold climate areas with high road salt use exhibited excessive rust corrosion to the frame, causing perforation of the metal. Toyota investigated these reports and determined that the frames in this small number of vehicles may not have adequate corrosion-resistant protection for use in this environment. This combined with prolonged exposure to road salts and other environmental factors may contribute to the development of excessive rust corrosion in the frames of some vehicles. This condition is unrelated to and separate from normal surface rust which is commonly found on metallic surfaces after some years of usage and/or exposure to the environment.

If the customer's vehicle is registered in AK, AL, AR, AZ, CA, CO, FL, GA, HI, IA, ID, KS, MT, LA, MO, MS, NC, ND, NE, NM, NV, OK, OR, SC, SD, TN, TX, UT, WA, WY and the U.S. Territories, the customer will ***not*** need to do anything at this time. If the customer moves to an area in which the vehicle may experience prolonged exposure to road salts and other environmental factors, they will need to contact any Toyota dealer and make arrangements to have the vehicle inspected and, if appropriate, the specialized protective sealant applied.

OWNER NOTIFICATION

The owner notification will commence as soon as the LSC 90D Readiness website indicates dealers in a given area are prepared to perform the LSC. Each dealer will be contacted and provided a packet outlining the individual regulatory requirements in their state prior to starting the Corrosion-Preventative Compound application.

Dealers should apply the specialized protective sealant as outlined in the Technical Instructions section. ***The application should only be performed for vehicles that are registered in the states affected by the LSC and have no signs of rust corrosion perforation.***

Please note that only owners of the affected vehicles will be notified. If a dealer is contacted by an owner of an affected vehicle, who has not yet received a notification, please ***verify eligibility for the LSC by confirming through Dealer Daily/TIS***.

DEALER/OWNER LISTS

Affected vehicle VIN lists (VIN only, due to changes in Privacy Laws) for the LSC have been distributed to each dealership's Service and Parts Managers. 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.

APPLICABILITY PERIOD

This LSC will be available at no cost to the vehicle owners until ***October 31, 2010.*** All terms of the affected vehicle's Toyota Basic Warranty will remain intact regardless of whether or not the customer takes advantage of the LSC.

AFFECTED VEHICLES

There are approximately ***145,000*** Tacoma (2001 through 2004 model year) vehicles covered by this LSC. For the affected VIN range, reference the Technical Instructions (TI) section.

Please note that as the regulatory challenges are addressed only owners of the affected vehicles registered in that specific state will be notified. VINs for that specific state will be loaded simultaneously. If a dealer is contacted by an owner of an affected vehicle, who has not yet received a notification, please ***verify eligibility for the LSC by confirming through Dealer Daily/TIS***.

A UIO State Matrix is listed to inform dealers of the number of vehicles in their state by model year.

STATE	2001	2002	2003	2004	TOTAL
CT	1,411	1,411	1,378	1,390	5,590
DC	62	73	78	69	282
DE	252	296	298	318	1,164
IL	1,643	1,537	1,385	1,481	6,046
IN	1,142	991	938	887	3,958
KY	2,242	2,124	1,875	1,559	7,800
MA	3,131	3,279	3,496	3,708	13,614
MD	2,543	2,812	2,795	2,869	11,019
ME	881	925	878	1,032	3,716
MI	861	853	798	689	3,201
MN	899	839	707	699	3,144
NH	1,232	1,373	1,331	1,328	5,264
NJ	2,174	2,180	2,259	2,089	8,702
NY	2,960	3,012	3,079	3,249	12,300
OH	2,483	2,339	2,188	2,296	9,306
PA	3,588	3,991	3,751	3,985	15,315
RI	579	596	585	597	2,357
VA	4,750	5,216	5,329	5,489	20,784
VT	772	854	849	952	3,427
WI	1,175	917	858	880	3,830
WV	1,596	1,345	1,225	1,243	5,409
Total	36,376	36,963	36,080	36,809	146,228

MATERIAL ORDERING

Since not all states are included in the LSC, the Corrosion-Preventative Compound materials will be placed on Manual Allocation Control (MAC).

While the materials are on MAC, a representative from TMS Quality Compliance will review each order and contact the dealership's Parts Manager to verify the necessity of the order. This will ensure an adequate and balanced material inventory.

If there are ***special*** circumstances where a dealer is having difficulty receiving its materials, dealership associates may contact (310) 468-5516 to research their order. The associate should have the following information ready to expedite research of the order status:

- Dealer Information (Dealer Code, Contact Name, Telephone Number)
- Order Reference Number
- Customer Name and Vehicle 17-digit VIN

The necessary materials can be ordered through the parts system on Dealer Tire. They will be shipped directly from AMREP. Please refer to the Technical Instructions section for part number information. Please note that only dealers in the Severe Cold Climate States will be able to order Corrosion-Preventative Compound materials once the regulatory challenges in the state are addressed.

- Do not order more than your immediate needs. THESE MATERIALS ARE NOT FOR RETAIL SALE AND ARE ONLY INTENDED FOR USE AS PART OF THE LSC. Ensure that the Corrosion-Preventative Compound is stored at room temperature (please refer to the MSDS located in the Appendix).
- The material part number will be drop-shipped from AMREP to your dealer. Please note that deliveries are only scheduled on business days. Saturday deliveries are not available. Allow 5 business days for order processing and shipping of the material to your dealership.

The Corrosion-Preventative Compound will entail sealing the frame with two different Nox-Rust® products. The Nox-Rust® 712AM, a paraffin wax based product, will be applied inside the frame. The Nox-Rust® X-128T, a mineral spirits based wax product, will be applied to the external surfaces. (Do not use the Nox-Rust® name and trademarks without the prior written consent of Daubert Chemicals Company Inc. and Toyota Motor Sales, U.S.A., Inc.)

BEFORE YOU START

Three types of legal requirements apply to the LSC: (1) air pollution control laws; (2) building, zoning and fire codes; and (3) regulated waste requirements. The Getting Started Guide and the Federal, State and Local Requirements Guide review these legal requirements, provide step-by-step instructions for how to comply, and include forms to create and maintain compliance records. These Guides assume that you will conduct the LSC in the vehicle service area of your dealership. If you plan to conduct the LSC in another area (such as in an offsite auto body shop) or in another state, different legal requirements likely will apply; so, please refer to the Getting Started Guide and the Guide to Federal, State and Local Requirements that accompany these Technical Instructions for information about how to conduct the LSC consistent with these different legal requirements.

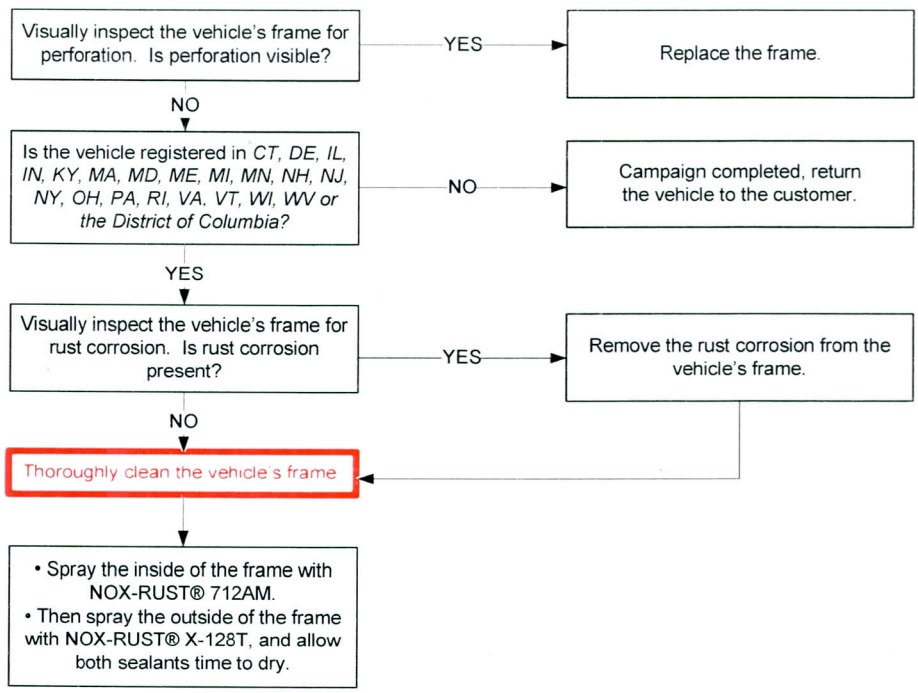
Most dealerships should be able to meet the necessary requirements within two weeks of receiving this package. An LSC 90D Readiness Survey (http://cleandealer.com*) has been created to help track each dealership's preparation. Toyota's business partner, KPA, will be contacting each dealership to provide additional assistance. ***Once the LSC 90D Readiness Survey indicates a dealership has met all the necessary requirements, a Special Equipment Kit (spray gun kit) will be mailed to that facility at no charge.***

*Follow the LSC 90D Support link located in the left bottom corner of the webpage.

WARRANTY PROCESSOR INSTRUCTIONS

Please note the following for this LSC:

- This LSC expires on ***October 31, 2010***.
- Only vehicles registered in CT, DE, IL, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, VA, VT, WI, WV or the District of Columbia are eligible for the application of the Corrosion-Preventative Compound.



Operation Codes:

This activity represents a unique combination of a CSP and a LSC. Therefore a ***CSP claim and a LSC claim*** will need to be filed for each Corrosion-Preventative Compound Application. Use the correct LSC or CSP designation when filing Operation Codes (see left hand side of table below):

CSP	Op. Code	Description	Flat Rate Hour
ZTH	8630J1	Inspect Frame For Rust Perforation (No Perforation Found)	0.6 Hr/Veh
Note: The flat rate time for Operation Code 8630J1 includes 0.1 hour for campaign administrative cost per unit for the dealership.			

And one of the following Op. Codes (based upon your application location)

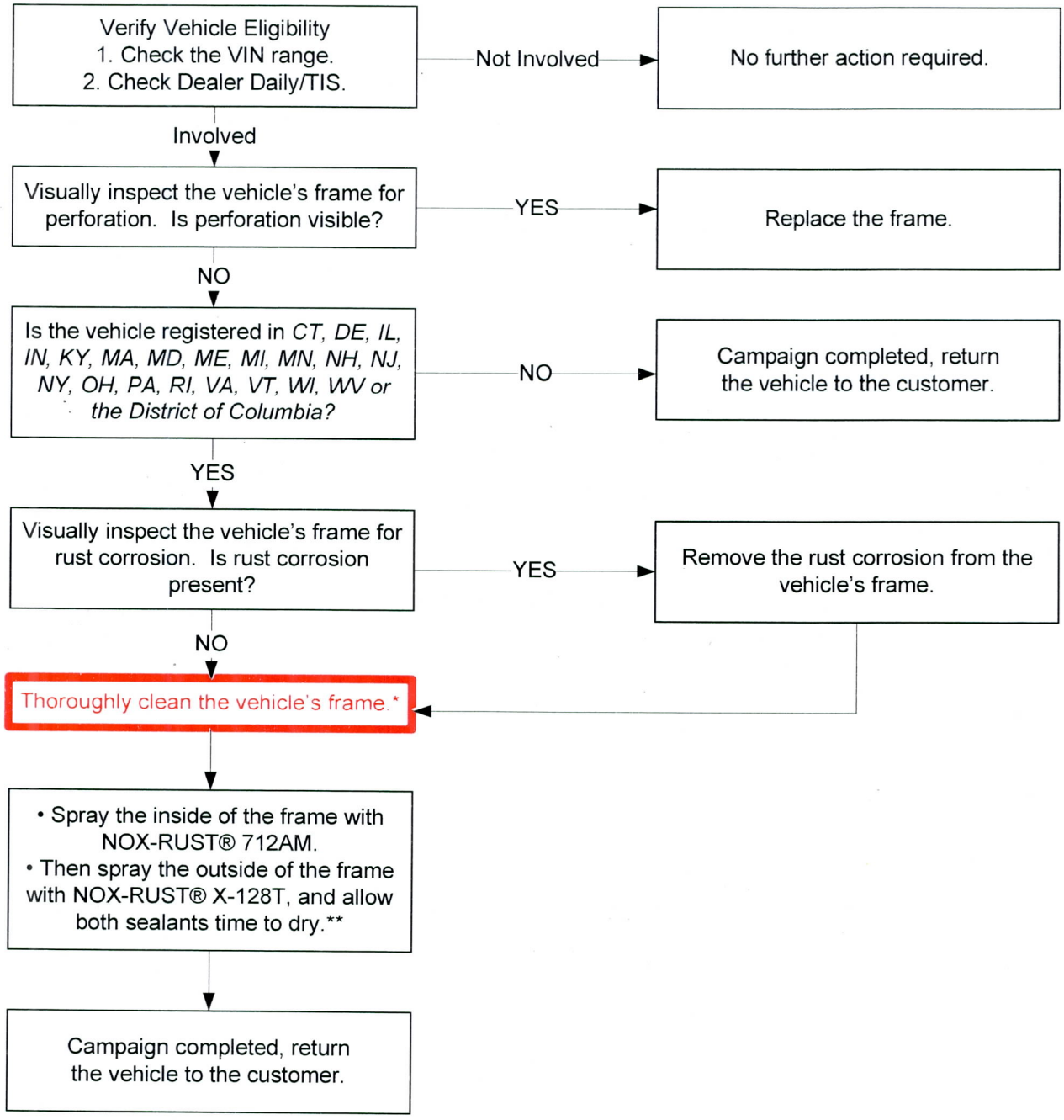
LSC	Op. Code	Description	Flat Rate Hour
90D	8630JM	Apply Corrosion-Preventative Compound By Dealer	3.6 Hr/Veh
		or	
90D	8630JN	Apply Corrosion-Preventative Compound By Outside Repair Shop (outside repair shop cost will be included in sublet)	0.0 Hr/Veh (Use Sublet YE)

Allowable Sublets for LSC 90D Claims:

- **Rental Car:** Use "RT" sublet type for Op. Code 8630JM or 8630JN. During the Corrosion-Preventative Compound application, customer rental car through the Toyota Rent-A-Car (TRAC) Program is available for a maximum of 3 days. Follow the Toyota Transportation Assistance Program (TTAP) guidelines.
- **Materials/Supplies:** Use "YA" sublet type for Op. Code 8630JM or 8630JN. A max. $36/vehicle cost for LSC prep and application materials/supplies (fire-retardant poly sheeting (tarp), masks, tape, gloves, partition, waste disposal, etc.) will be accepted.
- **Outside Repair Shop:** Use "YE" sublet type for Op. Code 8630JN ***if using an outside repair shop***. A maximum of 3.6 Hr/Veh x Dlr Labor Rate will apply. State: "Apply Corrosion-Preventative Compound by outside repair shop" in the sublet description. A copy of the outside repair shop order must be stapled to the copy of the Toyota dealer repair order and kept for future reference.

TECHNICAL INSTRUCTIONS

I. OPERATION FLOW CHART



***Note:**
Due to the flash point of the NOX-RUST® materials, allow sufficient time for the vehicle (i.e., the exhaust system) to cool down before beginning the chemical application. By following the FRAME APPLICATION WORK PROCEDURE the vehicle will have additional time to cool before the NOX-RUST® is applied. Please refer to the MSDS for flash point temperatures.

****Note:**

- **Keep records to comply with Federal/State/Local regulations and requirements. See the Federal, State and Local Requirements Guide that accompanied these instructions.**

II. IDENTIFICATION OF AFFECTED VEHICLES

A. AFFECTED VIN RANGE

NOTE:
Vehicles registered in following states are affected: *CT, DE, IL, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, VA, VT, WI, WV or the District of Columbia*

Model	WMI	Year	VIN Range	
			VDS	Range
TACOMA	5TE	2001	GM92N	Z727245 – Z880431
			GN92N	Z726201 – Z880433
			HN72N	Z726498 – Z880444
			NL42N	Z718168 – Z880440
			NM92N	Z718261 – Z880427
			PM62N	Z718416 – Z880351
			SM92N	Z718295 – Z880439
			SN92N	Z718166 – Z880436
			VL52N	Z718280 – Z880441
			VN52N	Z718355 – Z879914
			WM72N	Z718164 – Z880443
			WN72N	Z718395 – Z880438
		2002	GM92N	Z000001 – Z899998
			GN92N	Z000190 – Z899894
			HN72N	Z000002 – Z899999
			NL42N	Z000006 – Z899978
			NM92N	Z000233 – Z899936
			PM62N	Z000022 – Z899995
			SM92N	Z000245 – Z899972
			SN92N	Z000012 – Z899646
			VL52N	Z000013 – Z899990
			VN52N	Z000017 – Z898219
			WM72N	Z000058 – Z899904
			WN72N	Z000019 – Z899885
		2003	GM92N	Z145585 – Z305459
			GN92N	Z145318 – Z305507
			HN72N	Z145460 – Z305500
			NL42N	Z145319 – Z305504
			NM92N	Z145535 – Z305379
			PM62N	Z145471 – Z305481
			SM92N	Z145555 – Z305506
			SN92N	Z145622 – Z305491
			VL52N	Z145395 – Z305505
			VN52N	Z145797 – Z304523
			WM72N	Z145487 – Z305493
			WN72N	Z145316 – Z305501

AFFECTED VIN RANGE CONTINUED...

NOTE:
Vehicles registered in following states are affected: *CT, DE, IL, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, VA, VT, WI, WV or the District of Columbia*

Model	WMI	Year	VIN Range	
			VDS	Range
TACOMA	5TE	2004	GM92N	Z305895 – Z466734
			GN92N	Z305509 – Z466774
			HN72N	Z305686 – Z466778
			NL42N	Z305510 – Z466783
			NM92N	Z305853 – Z466785
			PM62N	Z305763 – Z466764
			SM92N	Z305863 – Z466748
			SN92N	Z305944 – Z466746
			VL52N	Z305639 – Z466782
			VN52N	Z306177 – Z454172
			WM72N	Z305789 – Z466757
			WN72N	Z305508 – Z466784

NOTE:

- Check Dealer Daily/TIS to confirm the VIN is involved in this LSC. This will verify the vehicle is affected and 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

Please be aware that only dealers in CT, DE, IL, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, VA, VT, WI, WV, or the District of Columbia will be allowed to order kits for the Corrosion-Preventative Compound.

The necessary kits can be ordered through the Complete Maintenance Care. They will be shipped directly from AMREP. Please refer to the table below and the Technical Instructions for part number information. Dealers should not order chemicals if they do not have any vehicles listed on their dealer reports, or until they have confirmed owner appointment. However, please keep in mind it will take at least 4 business days for kit delivery.

Part Number	Part Description	Quantity
00289-00KIT-DS	Corrosion-Preventative Compound Kit	1
The kit listed above includes the following parts: • NOX-RUST® 712AM = Internal Frame Application = Qty 2 Liters • NOX-RUST® X-128T = External Frame Application = Qty 3 Liters • These materials are intended for use at dealerships and body shops only. They are not for resale		

1. **When Ordering the Corrosion-Preventative Compound kit please note:**
- **Refer to the Appendix for the Material Safety Data Sheet (MSDS).**
- **The Corrosion-Preventative Compound Kit listed will be drop-shipped from AMREP, not your local PDC. Do not order more than your immediate needs, as these materials are non-returnable and non-refundable.**
- **Orders for this kit should be placed separately from orders of other drop ship chemicals.**

2. **When Storing the Corrosion-Preventative Compound kits please note:**
- **Please follow local, state and federal regulations for hazardous materials storage and disposal that are explained in the Regulated Waste Management Section of the Federal, State and Local Requirements Guide.**
- **Ensure that the materials are stored at room temperature (refer to the MSDS for detailed instructions).**

The plugs for the frame holes can be ordered through the dealer's facing PDC. Please refer to the table below for part number information. Dealers should not order parts if they do not have any vehicles listed on their dealer reports, or until they have confirmed owner appointment.

Part Number	Part Description	Quantity
90950-01539	Hole Plug	2
00411-09001	Corrosion-Preventative Compound Information Hang Tag (A quantity of 200 are included in each Service Manager Package)*	1

* Additional Corrosion-Preventative Compound Customer Information Hang Tags can be ordered in packages of 50 through the MDC.

B. SUPPORT MATERIALS

Part Number	Part Description	Quantity per Dealer
00411-08001	LSC 90D Laminated Flowchart (Included in each Service Manager Package)**	1

** Additional LSC 90D Laminated Flowcharts can be ordered through the MDC.

C. STANDARD TOOLS & EQUIPMENT

- Standard hand tools
- Flat chisel
- Scraper
- Wire brush
- Air nozzle
- Thermometer
- Air coupler (quantity 2)

SPECIAL EQUIPMENT KIT*

The items below have been pre-packaged as a kit, and will be provided at no charge ONLY to dealers in the affected states who are involved in this activity and whose 90D Readiness Survey indicates all the necessary requirements have been met. This pre-packaged kit includes a 6 mm internal spray nozzle that will not be used at this time; please **DO NOT** discard it.

- Spray Gun with pressure regulator (quantity = 2) (Each spray gun is the same; please dedicate one for internal and the other for external frame application.)
- External spray nozzle (to be used on the outside of the frame)
- 8 mm internal spray nozzle (to be used on the inside of the frame)
- 6 mm internal spray nozzle (not used at this time; please **DO NOT** discard)

*Once the LSC 90D Readiness Survey (http://cleandealer.com**) indicates a dealership has met all the necessary requirements, a Special Equipment Kit will be sent to that facility.

**Follow the LSC 90D Support link located in the left bottom corner of the webpage

D. MATERIALS & SUPPLIES

- Protective eyewear
- Dust mask
- NIOSH-approved respirator for organic vapors and mist control*** (Follow all Federal, state and local environmental, health and safety requirements such as OSHA. Please refer to the MSDS for details on each material.)
- Protective gloves
- Chemical Resistant Gloves (Viton, PVOH, etc.)
- Masking tape
- Fire-retardant poly sheeting (tarp) or covering (if you can not purchase from a local supplier, contact A Plus Environmental at 562-483-1060.)
- Plastic (Saran Wrap) sheet (for spray gun storage)
- 7ft rain gutters (quantity = 2)
- Rain gutter end caps (quantity = 4)
- Wire
- Partitions (The type, size and number of partitions used will depend on each dealer's facility.)
- Shop cloth/paper towels
- Bucket (quantity = 8)
- Funnel (quantity = 2)

Example of a NIOSH-approved respirator

***NOTE:

- **The MSDS for both 712AM and X-128T located in the Appendix instruct applicators to use a "NIOSH-approved respirator for organic vapor and mist to control exposure where ventilation is inadequate."**
- **It is up to the individual dealership to ensure compliance with OSHA regulations.**
- **If you require further assistance in regards to NIOSH approved respirators, we have found 3M® to be a useful reference/source.**

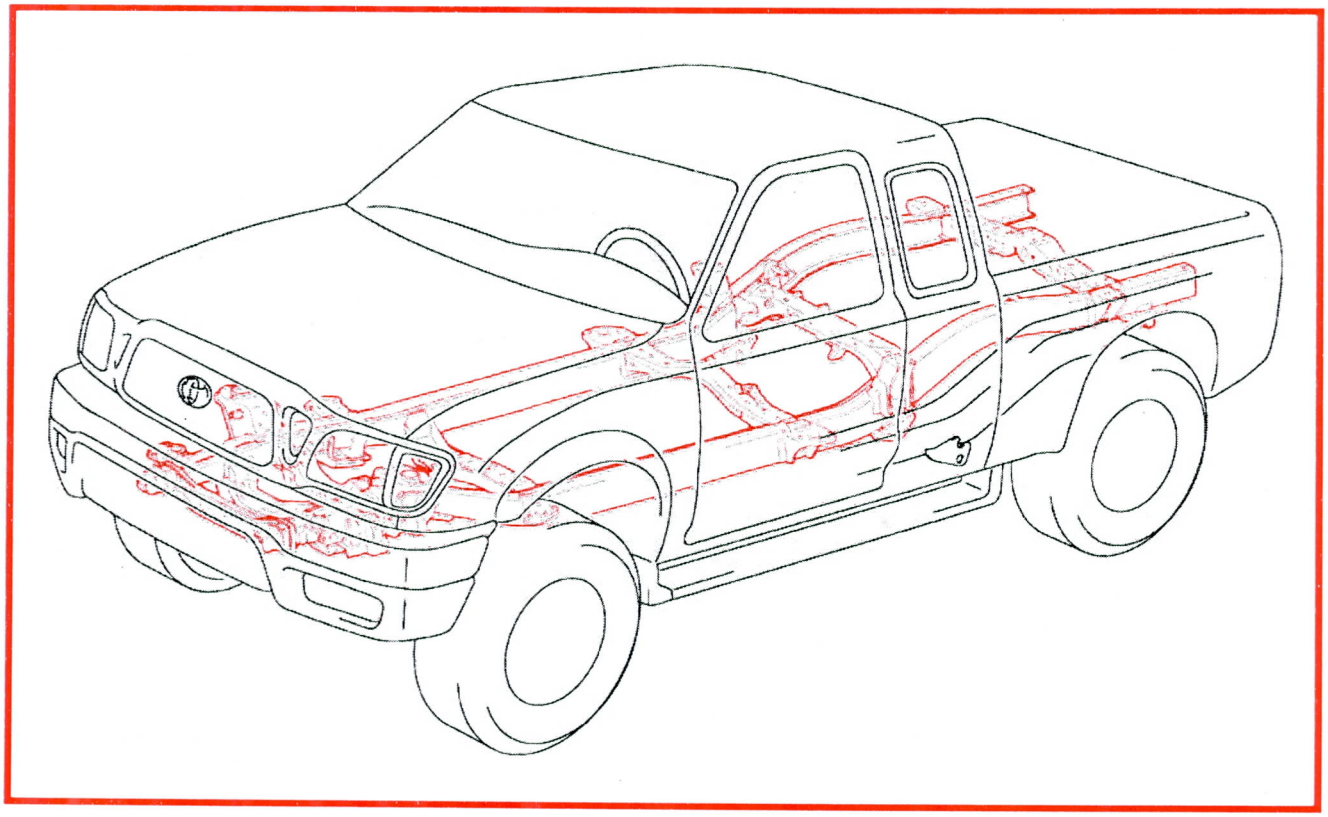
3M® Technical Assistance:	**1-800-243-4630**
3M® Customer Service:	**1-800-328-1667**
3M® Web Site:	**www.3m.com/occsafety**

IV. BACKGROUND AND COMPONENTS

Toyota received reports that a small number of 2001 through 2004 model year Tacoma vehicles operated in severe cold climate areas with high road salt use exhibited excessive rust corrosion to the frame, causing perforation of the metal. Toyota investigated these reports and determined that the frames in this small number of vehicles may not have adequate corrosion-resistant protection for use in this environment. This combined with prolonged exposure to road salts and other environmental factors may contribute to the development of excessive rust corrosion in the frames of some vehicles. This condition is unrelated to and separate from normal surface rust which is commonly found on metallic surfaces after some years of usage and/or exposure to the environment.

- The Corrosion-Preventative Compound application process involves spraying the internal and external surfaces of the Tacoma's frame with a specialized protective sealant material. Please follow all instructions provided to the dealership in the Getting Started Guide and the Federal, State and Local Requirements Guide.

Important Reminder: Because of variations in State laws, dealerships conducting the LSC in certain States may require government approvals prior to starting the LSC. Depending upon the state, dealerships also may be subject to restrictions on the number of vehicles to which the LSC materials can be applied in any single day, week or month. Please refer to the Getting Started Guide and the Federal, State and Local Requirements Guide that accompany these Technical Instructions for important information about any such approvals or restrictions that may apply to your dealership. Your dealership must adhere strictly to these requirements.



V. VEHICLE INSPECTION WORK PROCEDURE

A. FRAME RUST CORROSION PERFORATION INSPECTION

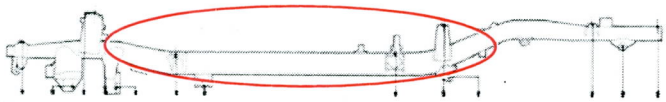
Before raising the vehicle on an alignment rack (or lift), visually inspect the **entire** frame assembly (top, side and bottom surfaces of the frame rails) for visible signs of perforation.

- Visually inspect the frame assembly for rust/corrosion, and follow the steps provided.
- **CAUTION:** Use protective eyewear and gloves when performing the under vehicle inspection as rusted metal may flake off.

Is perforation present?

- NO → Perforation is NOT visible, and there is NO rust corrosion present on **any** portion of the frame.
- NO → Perforation is NOT visible, and rust corrosion is present on the frame.
- YES → Perforation is visible on the frame.

1. Raise the vehicle on an alignment (drive-on) rack.
2. Using a 12 to 16 oz. (340 to 450 gr.) hammer, strike the side (inboard and outboard) and bottom surfaces of the frame rails using a 10 – 12 inch swing with light to moderate force.
3. Repeat this process at points every 2" along the frame rails ensuring that the entire area especially within the circle shown below is checked.



Does perforation of the metal occur at **ANY** of the points checked?

- YES → Replace the frame.
- NO → Is the vehicle registered in *CT, DE, IL, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, VA, VT, WI, WV or the District of Columbia?*

- NO → Campaign completed, return the vehicle to the customer.
- YES → Remove the rust corrosion from the vehicle's frame.
- YES → Thoroughly clean the vehicle's frame.
  - Spray the inside of the frame with NOX-RUST® 712AM.
  - Then spray the outside of the frame with NOX-RUST® X-128T, and allow both sealants time to dry.

NOTE: Please reference the laminated flowchart for more details, and for pictures illustrating the frame's condition used in the judgment process.

VI. FRAME APPLICATION WORK PROCEDURE

Important Reminder: Because of variations in State laws, dealerships conducting the LSC in certain States may require government approvals prior to starting the LSC. Depending upon the state, dealerships also may be subject to restrictions on the number of vehicles to which the LSC materials can be applied in any single day, week or month. Please refer to the Getting Started Guide and the Federal, State and Local Requirements Guide that accompany these Technical Instructions for important information about any such approvals or restrictions that may apply to your dealership. Your dealership must adhere strictly to these requirements.

Due to the flash point of the NOX-RUST® materials, allow sufficient time for the vehicle (i.e., the exhaust system) to cool down before beginning the application process. By following the FRAME APPLICATION WORK PROCEDURE the vehicle will have additional time to cool before the NOX-RUST® is applied. Please refer to the MSDS for flash point temperatures.

A. WORK AREA SETUP (SUGGESTED)

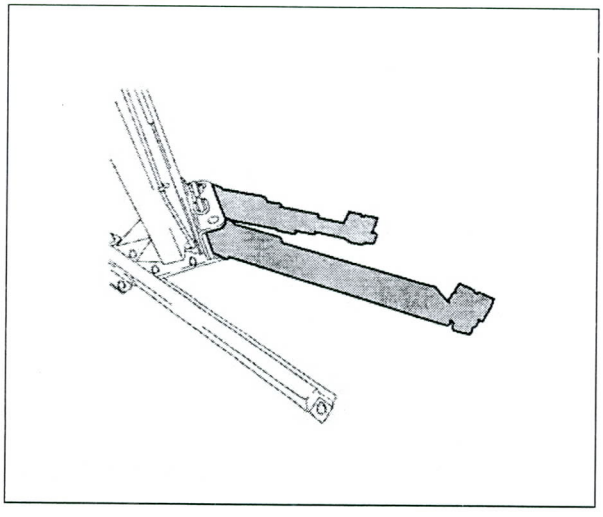
1. INITIAL SETUP CONSIDERATIONS & GUIDELINES

a) Work with your Service Manager to locate a dedicated work area and lift with the following requirements.

i. In well ventilated area.
ii. Away from other vehicles to minimize the possibility of overspray.
iii. In a location that can be sectioned off by partitions.
iv. In an area that provides sufficient distance from neighboring stalls*

Please note area set up may vary depending on dealership layout. The following information is just one example of how an area might be set up for frame Corrosion-Preventative Compound application. Be sure to work with your Service Manager when locating a dedicated work area. If more assistance is needed, please contact your regional representative.

*The X-128T has a vanilla scent added that may be noticeable by others working around the spray area. Toyota is currently working to remove the vanilla scent in the near future.

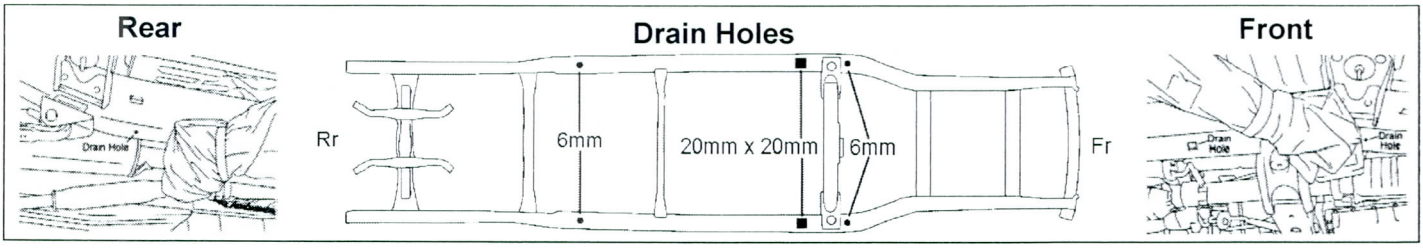


2. MASK THE LIFT SWING ARMS

a) Cover the lift swing arms with fire-retardant poly sheeting (tarp).
b) Secure the tarp with masking tape.

NOTE:

- **A two post lift swing arm is shown for reference purposes.**
- **Inspect the tarp on a daily basis for damage (cuts, tears, etc.) and replace as necessary.**
- **Dispose of old tarps in the same manner as other regulated waste at your dealership. Refer to the Dealer Information Packet for more info.**



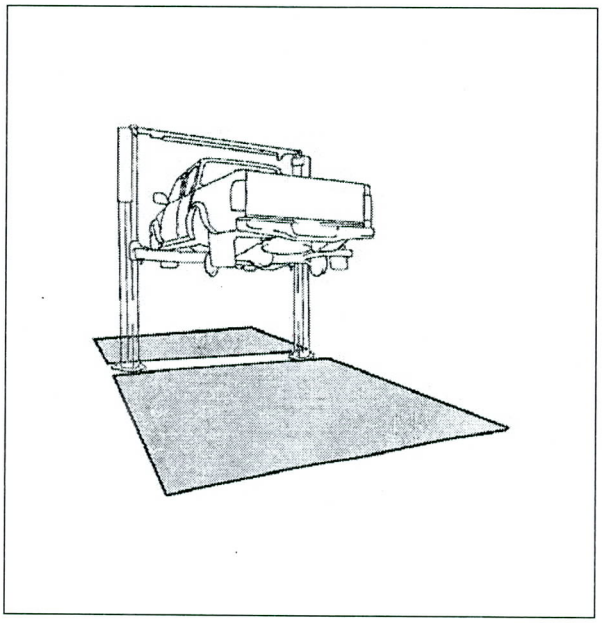
3. PREPARE THE VEHICLE

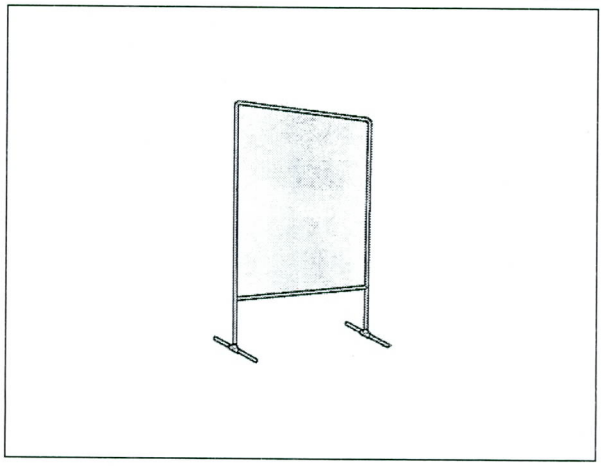
a) It may be necessary to pressure wash the vehicle's frame, depending on its cleanliness. **Please note that time has been allotted to pressure wash the frame in the flat rate time.**
b) Place the vehicle on the lift and raise it up.

NOTE:
DO NOT cover the frame's drain holes when positioning the swing arms (see illustration above).

c) Remove the rear wheels.
d) Remove the spare tire.
e) Remove the engine under cover.
f) Cover any identifying label (i.e., VIN label, etc.) on the frame with tape.
g) Cover the driveshaft(s) with fire-retardant poly sheeting (tarp) and secure with masking tape.

NOTE:
Overspray onto the driveshaft may cause vehicle vibration.





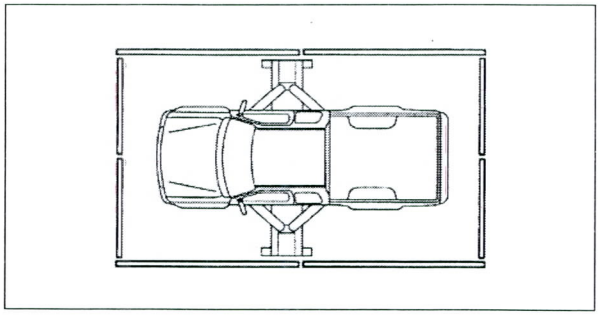
4. WORK AREA SETUP

a) Cover any exposed section(s) of the lift with fire-retardant poly sheeting (tarp), and secure with masking tape.
b) Place the tarp(s) beneath the vehicle as shown in the illustration to protect the floor.

NOTE:
- **When laying out the tarp on the floor, be sure it is secure and does not create a slipping hazard when walked upon.**
- **Inspect the tarp on a daily basis for damage (cuts, tears, etc.) and replace as necessary.**
- **Dispose of old tarps in the same manner as other regulated waste at your dealership. Refer to the Dealer Information Packet for more info.**
- **A two post lift swing arm is shown for reference purposes.**

c) Setup partitions according to the facility needs of your dealership.

NOTE:
- **The type, size and number of partitions used will depend on each dealer's facility.**
- **Partitions should minimize any overspray to nearby stalls, while ensuring adequate ventilation.**
- **Inspect the partition(s) on a daily basis for damage (cuts, tears, etc.) and repair/replace as necessary.**
- **Dispose of used partitions in the same manner as other regulated waste at your dealership. Refer to the Dealer Information Packet for more info.**

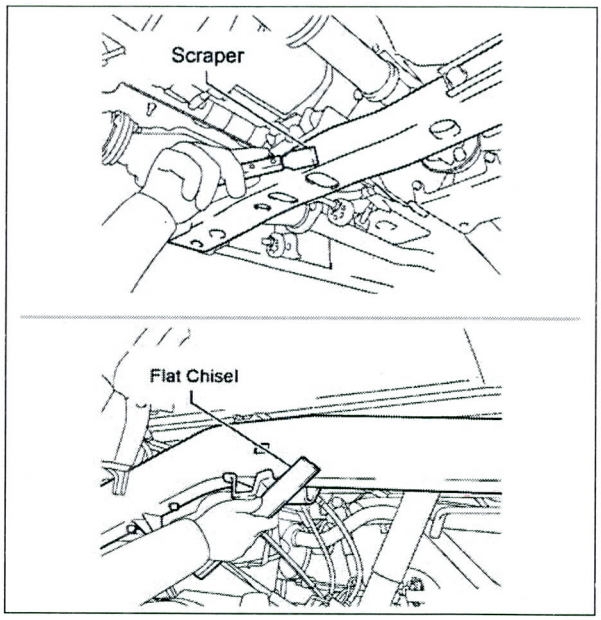


d) Position the partitions around the vehicle to prevent overspray, as shown in the illustration.

NOTE:

- **The partitions shown are just an example of what can be used.**
- **A two post swing arm lift is shown for reference purposes.**

B. RUST REMOVAL PROCESS



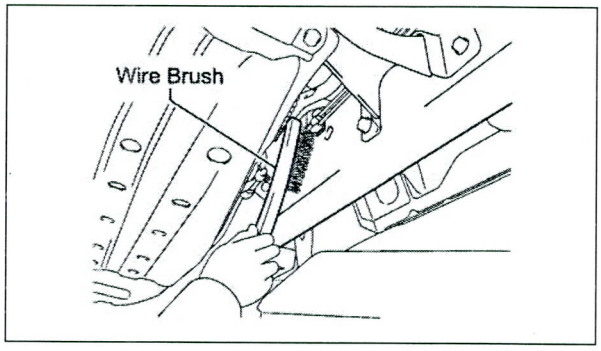
1. REMOVE THE FRAME RUST

a) Remove the rust from the frame using a scraper and/or flat chisel.

NOTE:

- **DO NOT scratch or remove the identifying labels (i.e., VIN label, etc.) from the frame.**
- **Make sure to wear protective eyewear, gloves and a dust mask when performing this step.**
- Please reference the laminated flowchart for pictures illustrating the frame's appearance before and after the rust removal process.

C. CLEANING THE FRAME

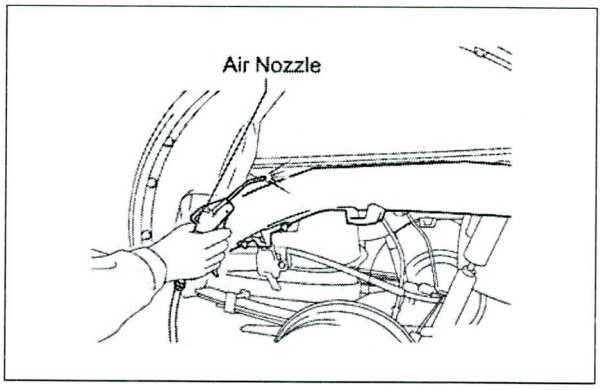


1. CLEANING THE FRAME

a) Using a wire brush, remove any debris and/or rust from the frame.

NOTE:

- **DO NOT scratch or remove the identifying labels (i.e., VIN label, etc.) from the frame.**
- **Make sure to wear protective eyewear, gloves and a dust mask when performing this step.**

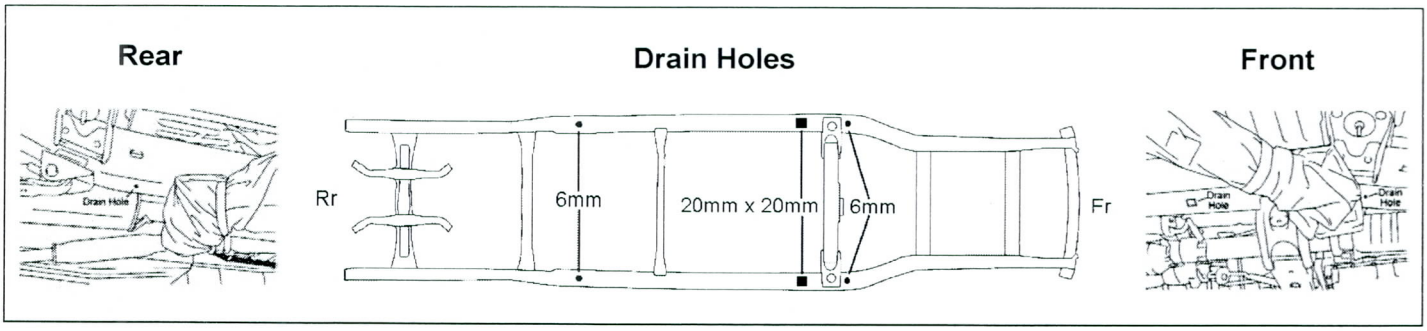


b) Using an air nozzle, remove any dirt, debris, rust flakes and water residue from the frame.

NOTE:

- **Make sure to wear protective eyewear when performing this step.**
- **A slightly wet frame surface is acceptable when applying the frame Corrosion-Preventative Compound.**

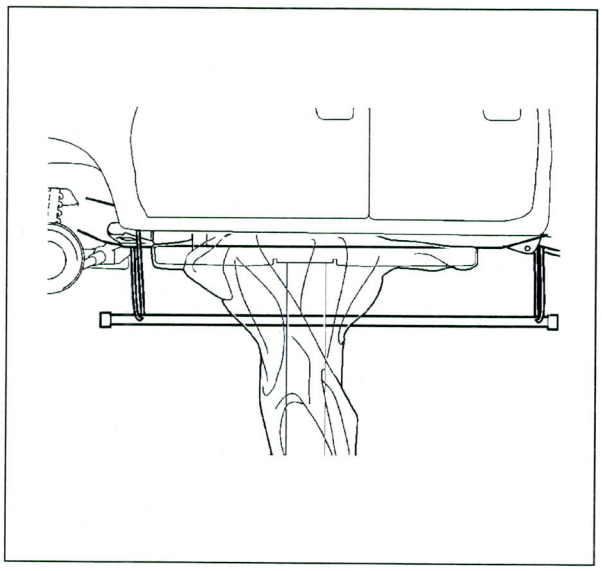
D. SPRAYING FRAME CORROSION-PREVENTATIVE COMPOUND



1. CLEAN OUT, THEN PLUG THE DRAIN HOLES

a) Using a pick or small screwdriver poke the 20 mm x 20 mm square opening and the two 6 mm drain holes located on the left and right sides of the frame to remove any dirt or debris that may be lodged in the holes.

b) Plug the 20 mm x 20 mm square opening and the two 6 mm drain holes located on the left and right sides of the frame with shop cloths/paper towels.



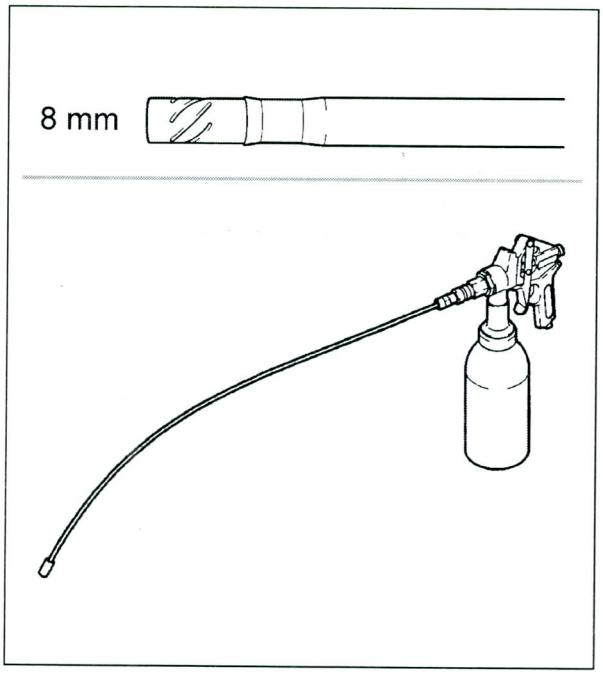
2. SETTING UP THE RAIN GUTTER (IF USED)

a) Using the rain gutters and 4 end caps, create two 7 ft assemblies that will catch the frame Corrosion-Preventative Compound as it drips from the frame rails.

b) Using wire, hang the 2 rain gutters beneath the drainage holes (3 per frame rail) on the left and right frame rails as shown in the illustration.

NOTE:

- **DO NOT hang the rain gutters from the frame.**
- **If rain gutters are not used, please place buckets under the drainage holes (3 per frame rail).**
- **Locate any other location(s) on the frame rails where dripping may occur. Place a bucket under these locations.**



3. SETTING UP THE SPRAY GUN FOR NOX-RUST® 712AM INTERNAL FRAME APPLICATION

NOTE:
Use a dedicated spray gun for the NOX-RUST® 712AM (712AM) internal frame application.

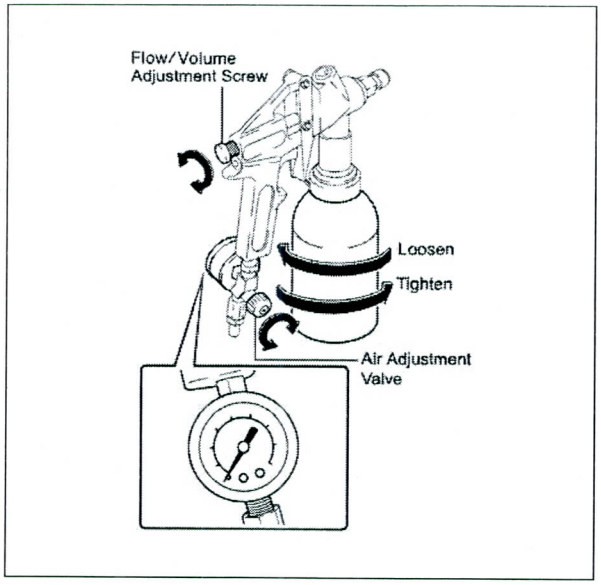
a) Check the temperature of the 712AM. If the 712AM is below 72° F, place the 712AM container in a bucket of hot water (<104° F) for 15 minutes and allow it to warm so the proper viscosity is achieved. *Then shake the 712AM container well so that the contents are mixed thoroughly, as settling may occur as it sits.*

b) Fill the dedicated bottle with 712AM, and attach the spray gun.

c) Connect the spray gun to the air hose.

d) Connect the 8 mm spray nozzle, as shown in the illustration.

NOTE:
DO NOT use the 6 mm spray nozzle.

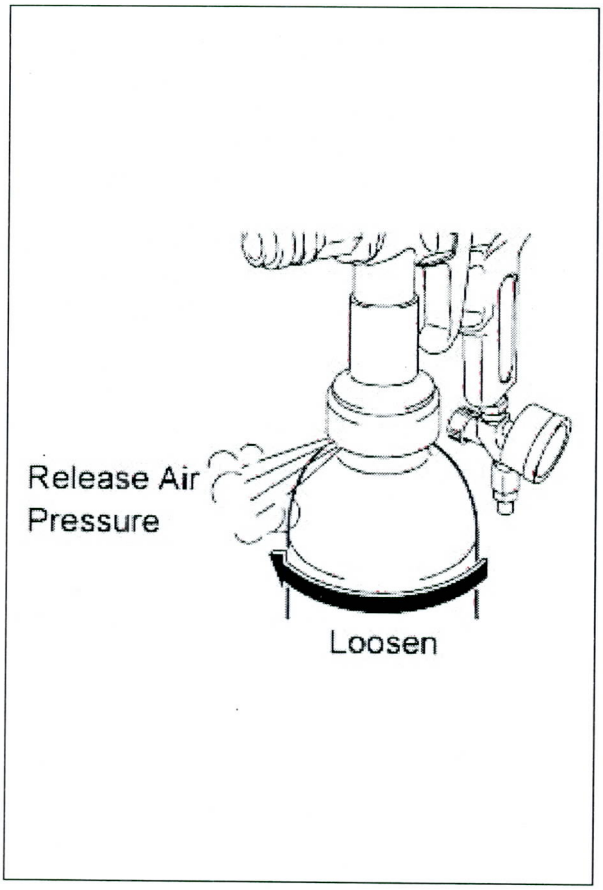


e) Adjust the spray gun nozzle flow/volume. Turn the adjustment screw to the fully closed position (clockwise). Then loosen the adjustment screw 4 complete turns.

f) Adjust the air pressure regulator. Place the nozzle in a clean empty box or pail and fully press the spray gun trigger, and adjust the air pressure to 72.5 psi. Recycle the amount sprayed out and use it during the application process.

NOTE:

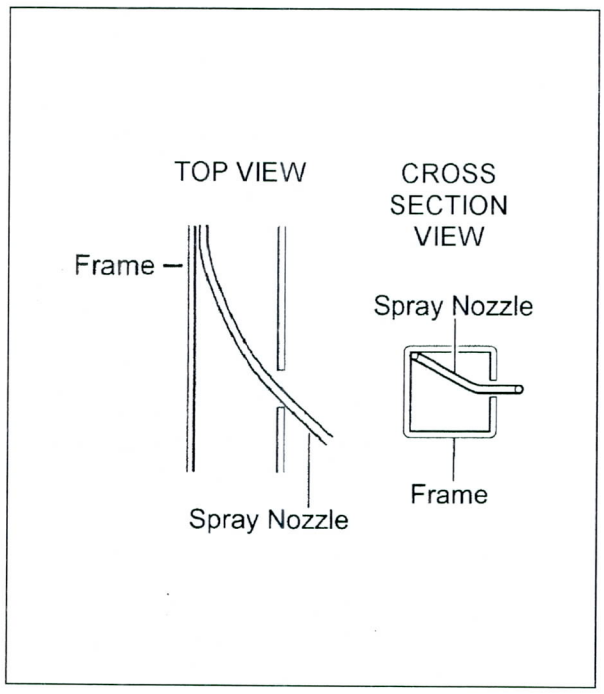
- **DO NOT bend the spray nozzle.**
- **Make sure to wear protective eyewear, impervious gloves (Viton, PVOH, etc.) and refer to the MSDS located in the Appendix when performing this step.**



g) During the 712AM internal frame application process it will be necessary to refill the spray gun after completing each frame rail. To do this, disconnect the air hose and slowly loosen the spray gun bottle until the internal air pressure is released out of the threads on the bottle's neck. Once the pressure has been released the bottle can be removed from the spray gun.

NOTE:

- **DO NOT remove the spray gun bottle until the pressure has been released.**
- **DO NOT pull the spray gun trigger when the pressure has not been released, as doing so will cause the 712AM to backflow out of the air inlet.**
- **Just prior to filling the spray gun bottle with the 712AM, thoroughly shake the one liter kit container(s).**
- **Each frame rail requires one liter of 712AM. Make sure to use the entire first liter on the first frame rail, and the entire second liter on the second rail.**
- **Make sure to pour and use all residual 712AM that may remain in the one liter kit containers.**



4. NOX-RUST® 712AM INTERNAL FRAME APPLICATION

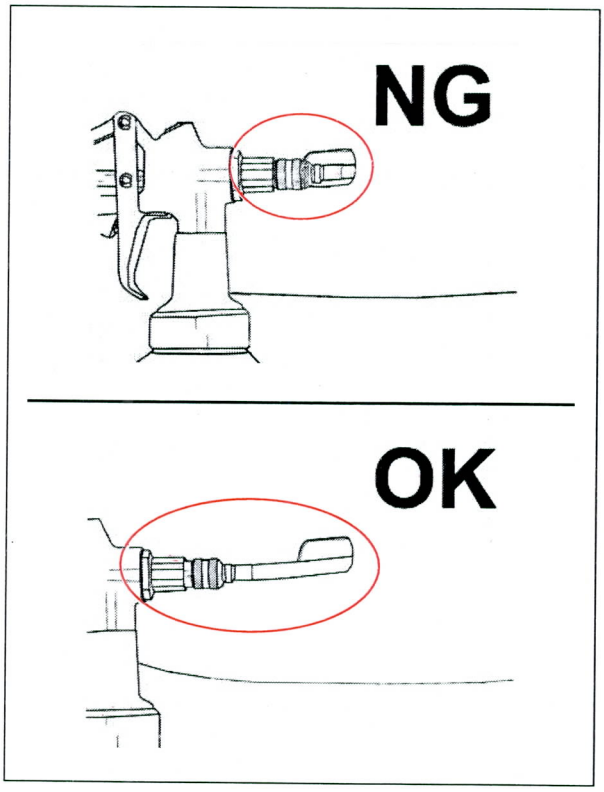
a) Insert the spray nozzle into the selected holes located throughout the frame. Begin at the front of the vehicle on the right frame rail. Reference the next two pages for the locations of each hole.

b) Insert the nozzle so it contacts the upper edge of the opposite side (see illustration), and push it in a specified distance as shown on the next two pages.

c) Start applying the 712AM inside the frame rail, and slowly pull the nozzle out at 0.3 to 0.5 m/sec (depending on location) while spraying. For 712AM internal frame insertion point & depth, and application speed, reference the next two pages.

NOTE:

- **DO NOT bend (i.e., kink) the spray nozzle.**
- **Make sure to wear protective eyewear, chemical resistant gloves (Viton, PVOH, etc.) and refer to the MSDS located in the Appendix when performing this step.**



NOTE:

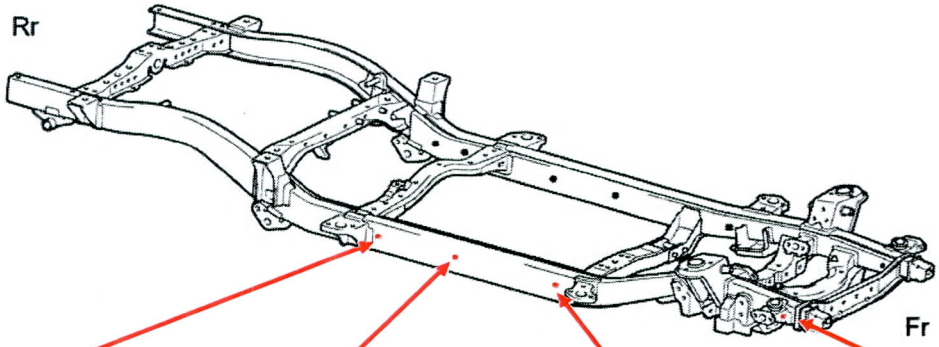
- **Make sure the quick coupler on the spray gun does not come into contact with the frame when applying the 712AM. Contacting the frame with the quick coupler may lead to a hose disconnection.**

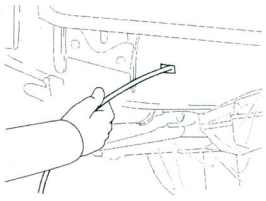
NOX-RUST® 712AM INTERNAL FRAME APPLICATION (CONTINUED...)

OUTBOARD FRAME RAIL NOZZLE INSERTION POINT & DEPTH, AND 712AM APPLICATION SPEED

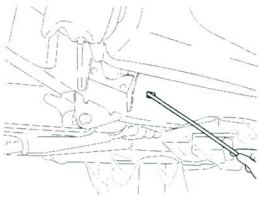
NOTE:

- Follow all MSDS guidelines for the 712AM which can be found in the Appendix.
- Only outboard rail nozzle insertion points are shown. See following page for inboard rail nozzle insertion points.
- Only one side is shown. Outside frame rail nozzle insertion points are the same on both sides.
- Make sure to repeat the 712AM application on the opposite frame rail so that both frame rails are sealed.
- Follow the application speed directions to apply the sealant to the inside of the frame rail.
- Make sure to wear protective eyewear, chemical resistant gloves (Viton, PVOH, etc.) and refer to the MSDS located in the Appendix when performing this procedure.
- The exact insertion point locations may vary depending on the cab configuration.
- Tape can be placed on the spray nozzle to reference correct insertion depth.

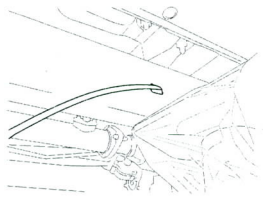




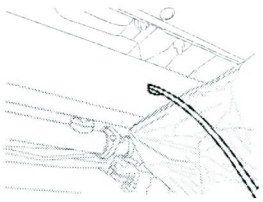
- Insert nozzle as far as it will go towards the front of the frame.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)



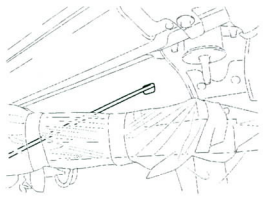
- Insert nozzle as far as it will go towards the rear of the frame.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)



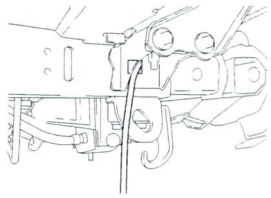
- Insert nozzle as far as it will go towards the front of the frame.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)



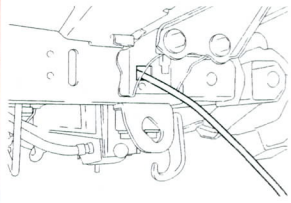
- Insert nozzle as far as it will go towards the rear of the frame.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)



- Insert nozzle as far as it will go towards the front of the frame.
- Slowly pull out the nozzle at an application speed of 0.5 m/sec (20 in/sec)



- Insert nozzle 5 cm (2 in.) towards the front of the frame.
- Slowly pull out the nozzle at an application speed of 0.5 m/sec (20 in/sec)



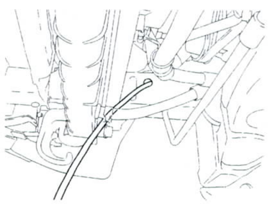
- Insert nozzle as far as it will go towards the rear of the frame.
- Slowly pull out the nozzle at an application speed of 0.5 m/sec (20 in/sec)

Note: m/sec = meters/second

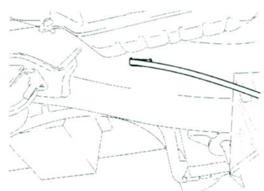
NOX-RUST® 712AM INTERNAL FRAME APPLICATION (CONTINUED...)
INBOARD FRAME RAIL NOZZLE INSERTION POINT & DEPTH, AND 712AM APPLICATION SPEED

NOTE:

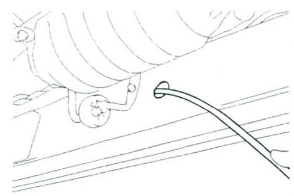
- Follow all MSDS guidelines for the 712AM which can be found in the Appendix.
- Only inboard rail nozzle insertion points are shown. See the previous page for the outboard rail insertion points.
- Only one side is shown. Inside frame rail nozzle insertion points are the same on both sides.
- Make sure to repeat the 712AM application on the opposite frame rail so that both frame rails are sealed.
- Follow the application speed directions to apply the sealant to the internal surface of the frame rail.
- Make sure to wear protective eyewear, chemical resistant gloves (Viton, PVOH, etc.) and refer to the MSDS located in the Appendix when performing this procedure.
- The exact insertion point locations may vary depending on the cab configuration.
- Tape can be placed on the spray nozzle to reference correct insertion depth.



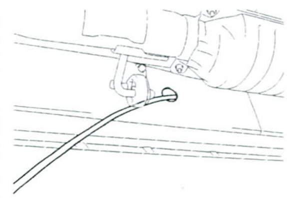
- Insert nozzle as far as it will go towards the rear of the frame.
- Slowly pull out the nozzle at an application speed of 0.5 m/sec (20 in/sec) to seal internal surfaces



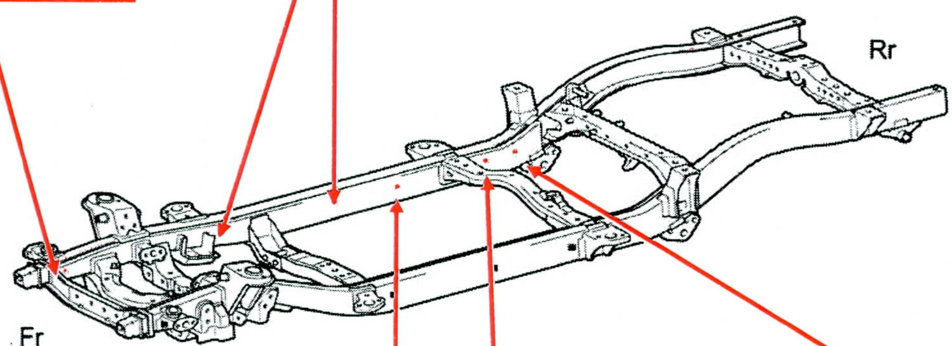
- Insert nozzle as far as it will go towards the front of the frame.
- Slowly pull out the nozzle at an application speed of 0.5 m/sec (20 in/sec)

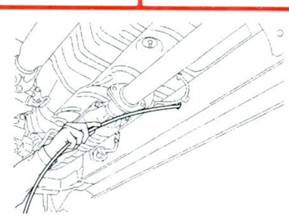


- Insert nozzle as far as it will go towards the front of the frame.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)

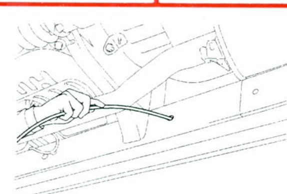


- Insert nozzle as far as it will go towards the rear of the frame.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)

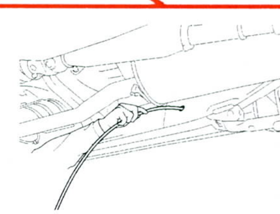




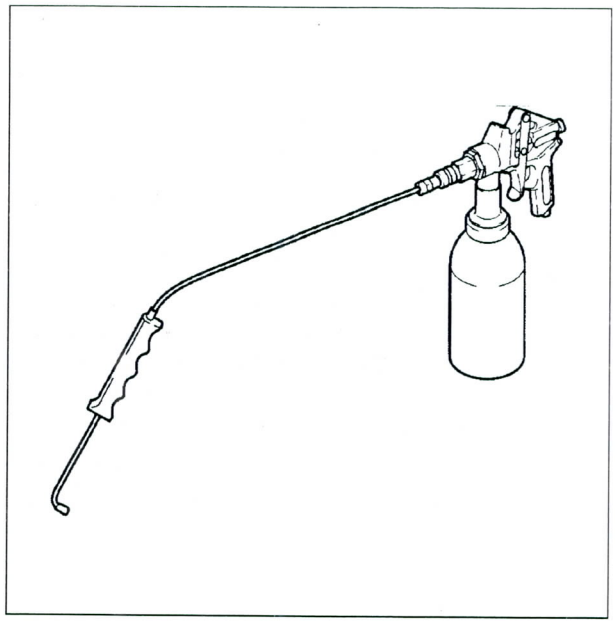
- Insert nozzle 5 cm (2 in.) into the frame.
- Apply the 712AM while turning the nozzle in a circular motion.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)

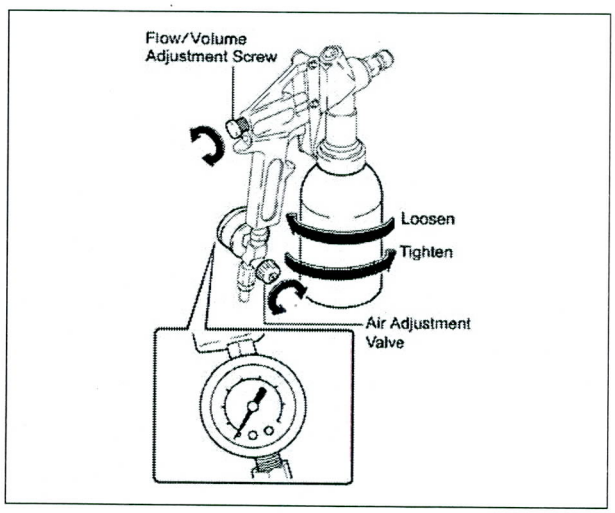


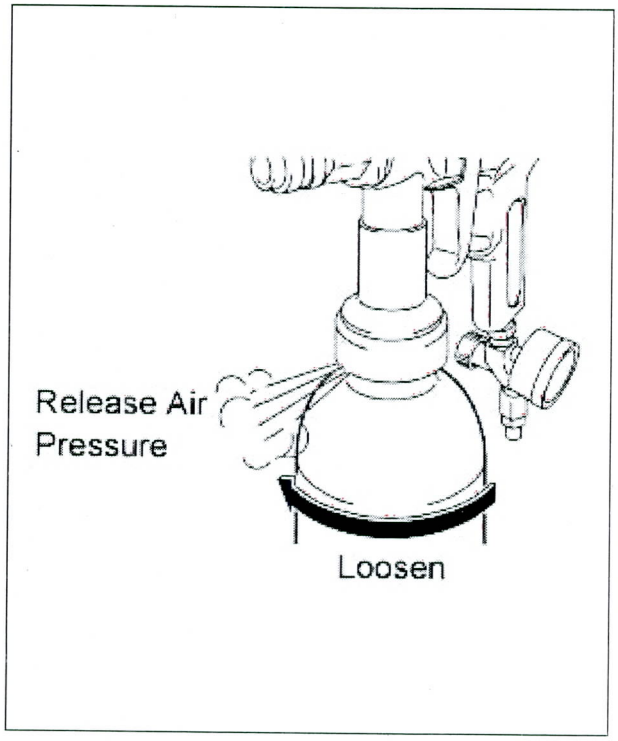
- Insert nozzle 5 cm (2 in.) into the frame.
- Apply the 712AM while turning the nozzle in a circular motion.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)



- Insert nozzle 5 cm (2 in.) into the frame.
- Apply the 712AM while turning the nozzle in a circular motion.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)
- This area may be very tight.







5. SETTING UP THE SPRAY GUN FOR NOX-RUST® X-128T EXTERNAL FRAME APPLICATION

NOTE:
Use a dedicated spray gun for the NOX-RUST® X-128T (X-128T) external frame application.

a) Check the temperature of the X-128T. If the X-128T is below 72° F, place the X-128T container in a bucket of hot water (<104° F) for 15 minutes and allow it to warm so the proper viscosity is achieved. *Shake the X-128T container well so that the contents are mixed thoroughly, as settling may occur as it sits.*

b) Fill the dedicated bottle with NOX-RUST® X-128T, and attach the spray gun.

c) Connect the spray gun to the air hose.

d) Connect the external frame rail spray nozzle, as shown in the illustration.

e) Adjust the spray gun nozzle flow/volume. Turn the adjustment screw to the fully closed position (clockwise). Then loosen the screw 4 full turns.

f) Adjust the air pressure regulator. Place the nozzle in a clean empty box or pail and fully press the spray gun trigger, and adjust the air pressure to 50 psi. Recycle the amount sprayed out and use it during the application process.

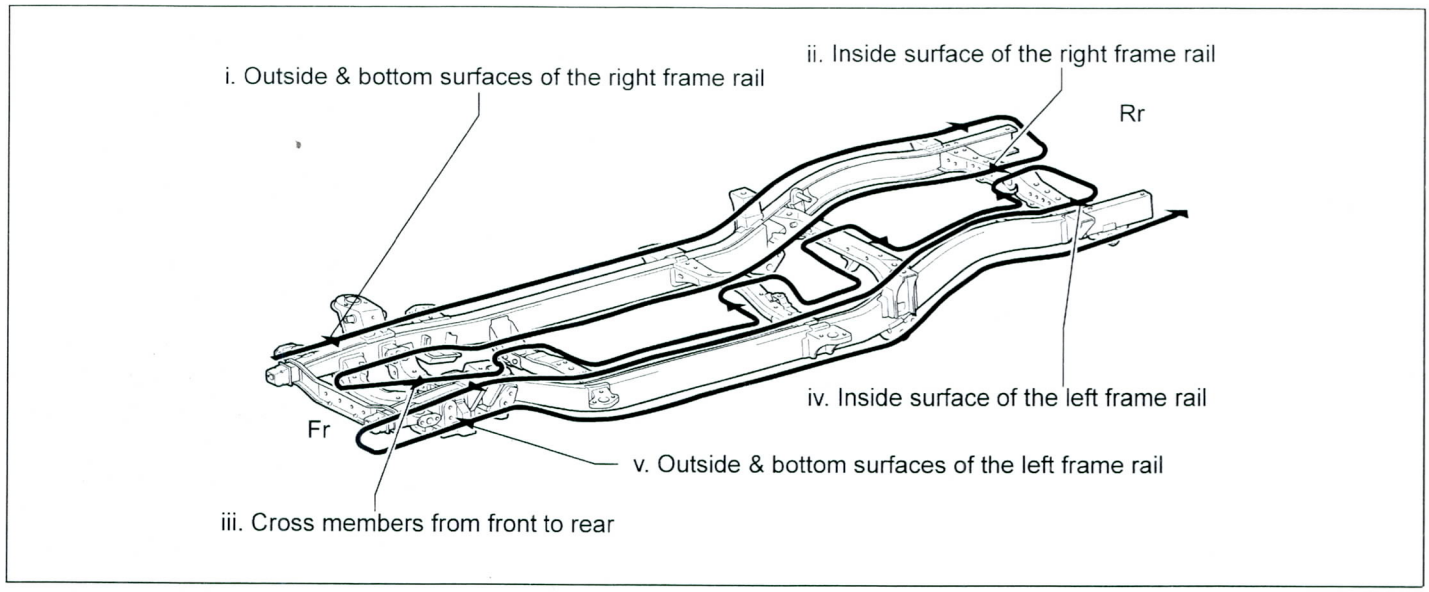
NOTE:

- **Make sure to wear protective eyewear, chemical resistant gloves (Viton, PVOH, etc.) and refer to the MSDS located in the Appendix when performing this step.**

g) During the X-128T external frame application process it will be necessary to refill the spray gun. To do this, disconnect the air hose and slowly loosen the spray gun bottle until the internal air pressure is released out of the threads on the bottle's neck. Once the pressure has been released the bottle can be removed from the spray gun.

NOTE:

- **DO NOT remove the spray gun bottle until the pressure has been released.**
- **DO NOT pull the spray gun trigger if the pressure has not been released, as doing so will cause the X-128T to backflow out of the air inlet.**
- **Just prior to filling the spray gun bottle with the X-128T, thoroughly shake the one liter kit containers.**
- **Apply all 3 liters of X-128T. If any X-128T is remaining it may be necessary to re-spray some sections of the frame.**
- **Make sure to pour and use any residual X-128T that may remain in the one liter kit container.**

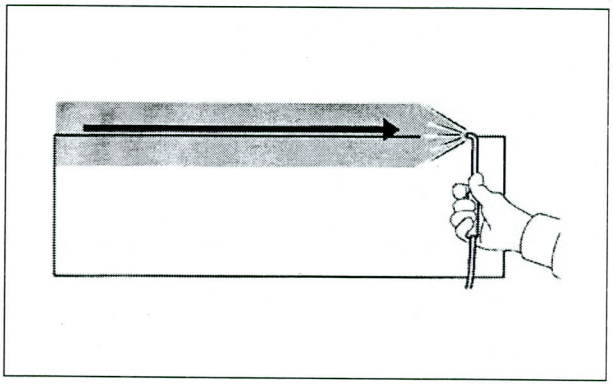


6. NOX-RUST® X-128T EXTERNAL FRAME APPLICATION

NOTE: Make sure to wear protective eyewear, chemical resistant gloves and refer to the MSDS located in the appendix when performing this procedure.

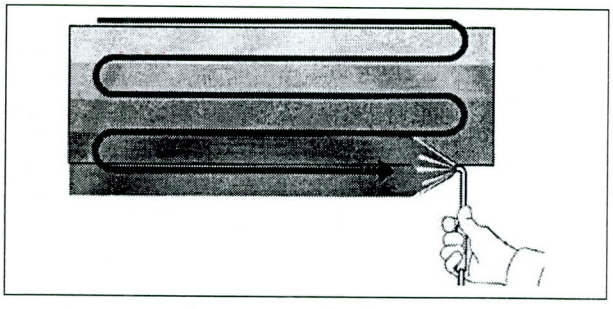
a) Using a shop cloth, wipe off any 712AM that may be on external frame surfaces. If this is not done the X-128T may have difficulty adhering to these areas.
b) Before beginning, please review the X-128T external frame application flow/order, as shown in the illustration above and as listed below. Follow the application speed directions to apply the sealant to the exterior of the frame rail.

i. Outside & bottom surfaces of the right frame rail (starting at the front of the vehicle)
ii. Inside surface of the right frame rail (starting with the rear of the vehicle)
iii. Cross members from front to rear (starting from the front of the vehicle)
iv. Inside surface of the left frame rail (starting with the rear of the vehicle)
v. Outside & bottom surfaces of the left frame rail (starting at the front of the vehicle)

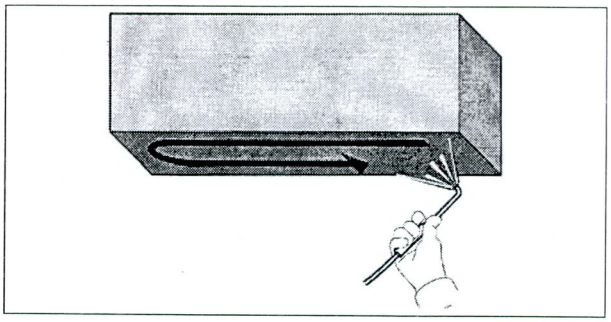


c) Start in the top left corner of the section you are spraying. Position the spray nozzle 20 to 25 cm (8 to 10 in.) away from the frame surface. Then apply the X-128T to the outside frame rail moving the nozzle at a constant speed of 0.1 m/sec (4 in/sec).

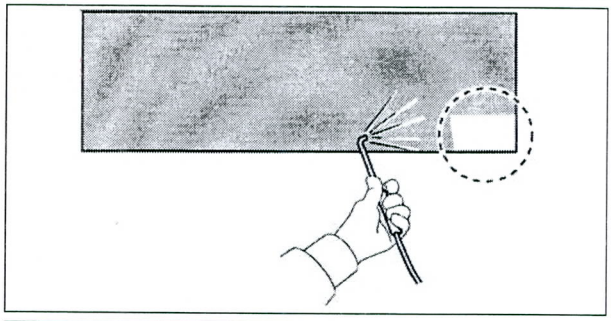
NOTE:
Make sure to wear protective eyewear, chemical resistant gloves (Viton, PVOH, etc.) and refer to the MSDS located in the Appendix when performing this step.



d) Without stopping, move down and reverse direction as shown in the illustration until the section is completed. Slightly overlap each pass by 1.3 cm (0.5 in.) so no gaps appear.



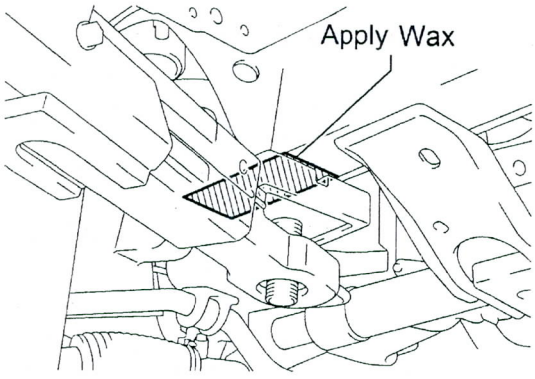
e) Once the outside surface of the frame rail section you are working on has been completed, without stopping, spray the bottom side as shown in the illustration.
f) Spray the remaining frame and cross member surfaces in the same manner.

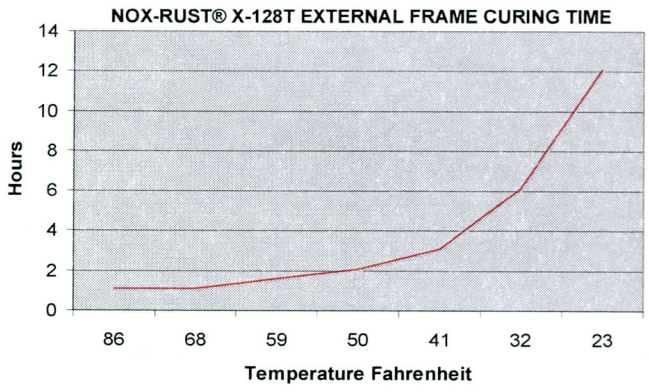


g) After the entire frame has been completed, inspect and spray any areas that may have been missed.

NOTE:

- **Wipe off any X-128T overspray from the exhaust components.**





h) Unplug the 3 drain holes (20 mm x 20 mm & two 6 mm), allowing the 712AM to drip out of the frame and onto the rain gutter assembly (if used), bucket or other container.
i) Remove the tarp from the driveshaft.
j) Reinstall the engine under cover.
k) Reinstall the rear tires and torque to specification as outlined in the appropriate repair manual.
l) Reinstall the spare tire.
m) Remove the rain gutter assemblies (if used), bucket or other container.
n) Lower the vehicle to the ground.

o) Remove any rust from the area of the frame that was covered by the lift points. Clean this area and apply the X-128T.
p) Make sure that both liters of the 712AM and all 3 liters of the X-128T have been applied. If any remains it may be necessary to re-spray some sections of the frame.

NOTE:
Make sure to wear protective eyewear, chemical resistant gloves (Viton, PVOH, etc.) and refer to the MSDS located in the Appendix when performing this step.

q) Remove the tape covering the identifying labels (i.e.,VIN label, etc.) on the frame.
r) Allow the vehicle to cure for the specified time based on the ambient temp. (Refer to chart above).
s) After the vehicle has cured for the correct amount of time and before the customer picks up the vehicle, insert a plug (P/N 90950-01539) into each of the 20 mm x 20 mm hole.
t) Place a Corrosion-Preventative Compound Information Hang Tag on the rearview mirror.

7. **STORING THE SPRAY GUN (Spray Guns do not require cleaning if they are properly stored)**

a) Spray Gun Storage (when the spray guns are not in use follow the procedure outlined below)

- 712AM Internal Frame Application Spray Gun:
  - Remove the air hose from the spray gun.
  - Loosen the spray gun from the canister to release the air pressure. To minimize exposure to the air, once the air pressure is released retighten the spray gun to the canister.
  - Leave the spray nozzle on the spray gun and place the originally equipped nozzle cap on the tip.

- X-128T External Frame Application Spray Gun:
  - Remove the air hose from the spray gun.
  - Loosen the spray gun from the canister to release the air pressure. To minimize exposure to the air, once the air pressure is released retighten the spray gun to the canister.
  - Leave the spray nozzle on the spray gun and wrap the nozzle end in a plastic sheet. Fasten the plastic (Saran Wrap) sheet with a rubber band.

8. RECORD-KEEPING AND OTHER REQUIREMENTS

a) IMPORTANT: Most states have specific record-keeping requirements that apply to the LSC. Please refer to the Air Regulation, Air Recordkeeping Sections of the Federal, State and Local Requirements Guide for additional information and to make sure that your dealership can satisfy these legal requirements before starting the LSC.

b) Some states and/or localities impose additional requirements, such as fire code permitting obligations. Please refer to the Federal, State and Local Requirements Guide for additional information and to make sure that your dealership can satisfy these legal requirements before starting the LSC.

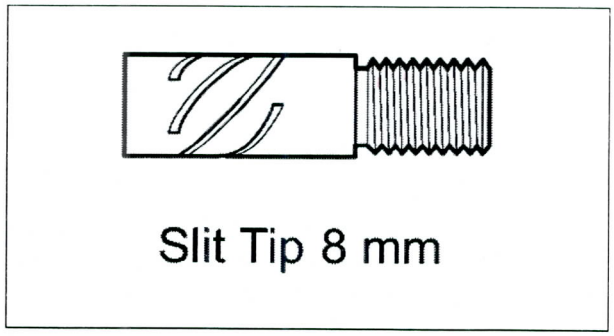
VII. APPENDIX

A. NOX-RUST® 712AM & NOX-RUST® X-128T DISPOSAL

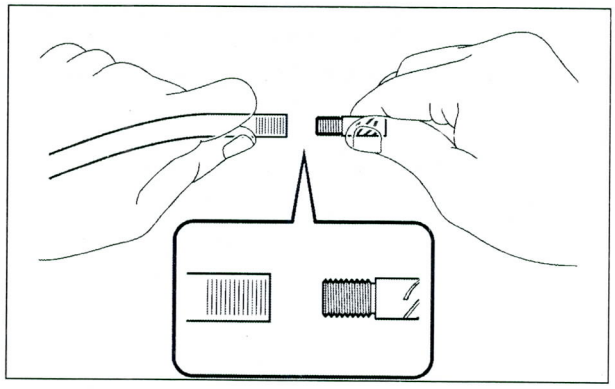
The NOX-RUST® 712AM & NOX-RUST® X-128T used in the application of the frame Corrosion-Preventative Compound as well as any materials, such as tarps with residue, must be disposed of in the same manner as other regulated hazardous waste at your dealership and in accordance with all applicable local, state, and federal regulations. Please refer to the Dealer Information Packet for additional information.

B. REPLACEMENT OF 712AM APPLICATOR NOZZLE

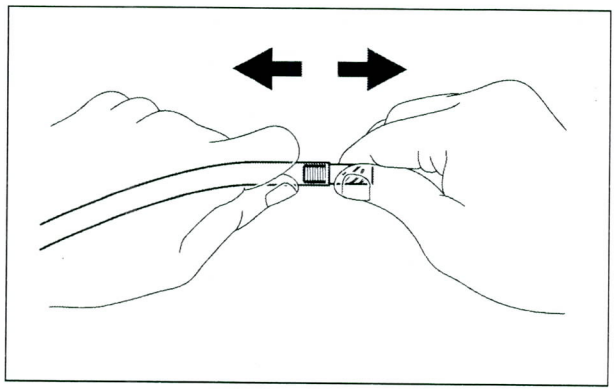
1. REMOVE AND INSTALL SLIT TIP



In the event the tip separates from the hose, follow these procedures for repair.

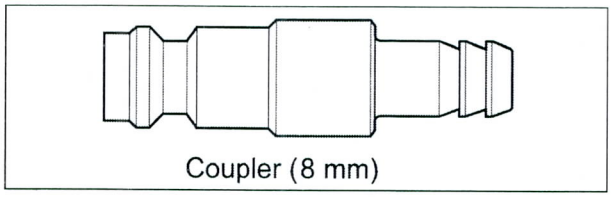


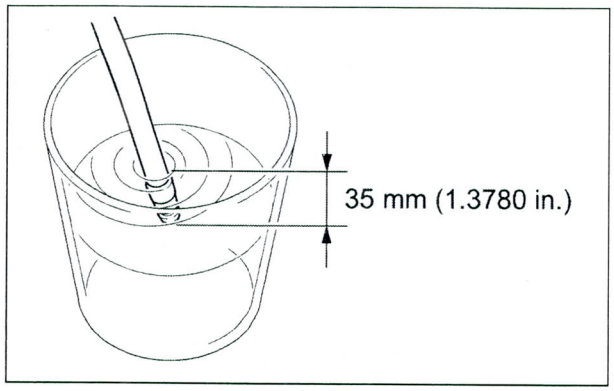
a) Twist and remove the slit tip from the nozzle hose.
b) Screw the slit tip onto a **NEW** nozzle hose at the slit tip connection



c) Holding both the slit tip and the nozzle hose pull to ensure the tip is securely attached.

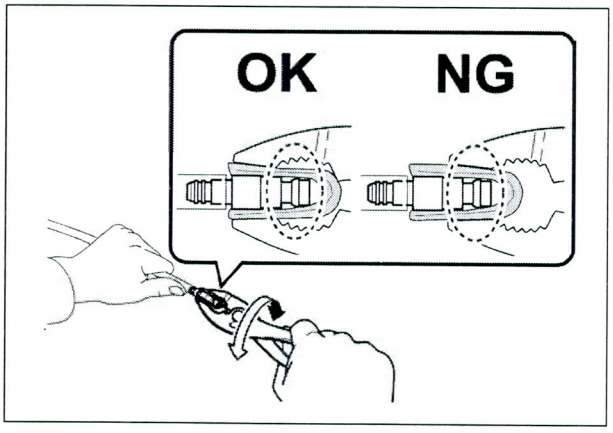
2. REMOVE AND INSTALL COUPLER (for 8mm)





a) Immerse the entire coupler in 70°C (158° F) or hotter water for 10 seconds. This will loosen the coupler and allow it to be removed more easily.

WARNING: Wear insulated gloves, as the water is hot.

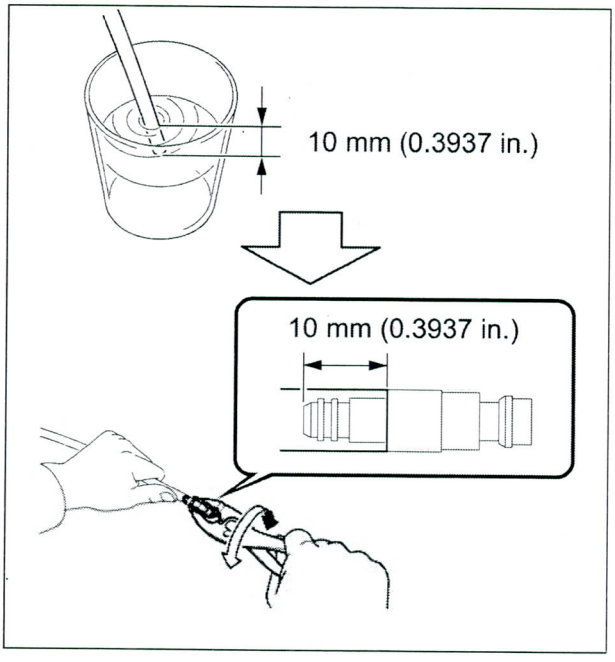


b) Immediately after removing the coupler from the hot water, twist and remove the coupler from the nozzle hose using pliers and a paper towel.

Note:

- **Place the paper towel between the pliers and the coupler to avoid damaging the coupler.**
- **Be careful to place the pliers so as to not damage the connection joint for the spray guns.**
- **The coupler and nozzle hose may be hot.**

c) Hold and remove coupler.



d) Immerse approximately 10mm (0.3937 in.) of the coupler connection (non-threaded) end on a NEW nozzle hose in 70°C (158°F) or above hot water for 10 seconds.

e) Immediately after removing the nozzle hose from the hot water, rotate and insert the coupler into the nozzle hose.

NOTE:

- **The coupler should be inserted all the way into the nozzle hose to ensure it will not detach.**
- **Re-immerse the nozzle hose into hot water if the nozzle hose cools and the coupler cannot be inserted.**
- **The coupler and nozzle hose may be hot.**

f) Once the nozzle hose has cooled to room temperature, hold both the coupler and nozzle hose and pull to ensure that the coupler does not detach.

C. MSDS SHEETS

MATERIAL SAFETY DATA SHEET

MANUFACTURED BY
PARKER INDUSTRIES

Nox-Rust® is a registered trademark of Daubert Chemical Company and is used pursuant to license.

DAUBERT CHEMICAL COMPANY
4700 SOUTH CENTRAL AVENUE
CHICAGO, ILLINOIS 60638
TELEPHONE: (708) 496-7350
FAX: (708) 496-7367

EMERGENCY CONTACT:
CHEMTREC (800) 424-9300

HMIS HAZARD RATING

HEALTH	1
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	B

Date of Review:	Revised: March 11, 2009
Date of Preparation: November 14, 2007	By: R. Lauterbach

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **Nox-Rust® 712AM**
Chemical Family: Petroleum oil/additive blend
Material Usage: Corrosion Preventive Compound

EMERGENCY OVERVIEW: Petroleum oil-based product. When product burns it releases typical hydrocarbon products of combustion. Refer to Section 3 for health effects and to Section 5 for fire hazard data.

SECTION 2: HAZARDOUS INGREDIENTS

Component	Wt%	Recommended Exposure Limits (TWA)
Microcrystalline wax CAS #64742-42-3	5-10	ACGIH TLV: 2 mg/m^3 OSHA PEL: 2 mg/m^3
Petroleum distillates, solvent dewaxed heavy paraffinic CAS #64742-65-0	5-15	ACGIH TLV: 5 mg/m^3 OSHA PEL: 5 mg/m^3
Sulfonic acids, petroleum, Calcium salts, overbased CAS #68783-96-0	5-15	ACGIH TLV: 5 mg/m^3 (oil mist) OSHA PEL: 5 mg/m^3 (oil mist)
White mineral oil, petroleum CAS #8042-47-5	50-60	ACGIH TLV: 5 mg/m^3 (oil mist) OSHA PEL: 5 mg/m^3 (oil mist)
Bentonite, quaternary ammonium compound modified CAS# 68953-58-2	0.3-1.0	Not established

Soybean oil polymer with isophthalic acid and pentaerythritol CAS# 66071-86-1	0.4-4	Not established
Castor oil, dehydrated, polymerized CAS# 68038-02-8	5-15	Not established
Calcium Carbonate CAS #471-34-1	5-10	OSHA PEL: 5 mg/m^3 (respirable fraction) OSHA PEL: 15 mg/m^3 (total dust) ACGIH TLV: 10 mg/m^3 ([2] nuisance dust)

[2] This component poses a hazard only if a dust is formed, i.e., by sawing, sanding, drilling, etc.

SECTION 3: HEALTH HAZARD INFORMATION

Primary Routes of Entry: Skin absorption, eyes (splashing).
Acute Effects: May cause eye irritation and reversible skin irritation. Prolonged skin exposure may cause dermatitis or oil acne. Breathing mists may cause dizziness or pulmonary irritation.
Chronic Overexposure:
Carcinogenicity: None of the components of this product are listed as carcinogens by NTP, IARC, or OSHA 1910(Z).
Pre-Existing Medical Conditions Aggravated by Exposure: Exposure may aggravate pre-existing respiratory or skin problems.

SECTION 4: FIRST AID PROCEDURES

Inhalation (mist): Move victim to fresh air and call emergency medical care. If not breathing, give artificial respiration; if breathing is difficult, give oxygen.
Eyes: In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention.
Skin: Wash skin with soap and water. Remove and isolate contaminated clothing and shoes at the site.
Ingestion: DO NOT INDUCE VOMITING. Consult a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point: >200°C (TCC)
Explosive Limits: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Small Fires: Dry chemical, CO_2, water spray, or regular foam. Large Fires: Water spray, fog, or regular foam. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks. For massive fire in cargo area, use unmanned hose holder or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.
Special Firefighting Protection/Emergency Action: Fire may produce irritating or poisonous gases. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Isolate for 1/2 mile in all directions if tank, rail car or tank truck is involved in fire. If runoff from fire control occurs, notify the appropriate authorities.
Unusual Fire/Explosion Hazards: Combustible material; may be ignited by flames. Container may explode in heat of fire.
Products of Combustion: Carbon monoxide, carbon dioxide, oxides of sulfur, miscellaneous hydrocarbons.

SECTION 6: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case Material is Released or Spilled: Shut off ignition sources; no flares, smoking or flames in hazard area. Stop leak if you can do it without risk.
Small Spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal.
Large Spills: Dike far ahead of liquid spill for later disposal.

SECTION 7: SAFE HANDLING INFORMATION

Precautions To Be Taken In Handling/Storage: Store in cool, well-ventilated area. Keep away from flames. Never use a torch to cut or weld on or near container.
Other Precautions: Never wear contaminated clothing. Launder or dry clean before wearing. Discard oil-soaked shoes. Wash thoroughly with soap and water (waterless hand cleaner may be helpful in removing residues) after use and before smoking or eating. Avoid excessive skin contact.

SECTION 8: EXPOSURE CONTROLS

Respiratory Protection: NIOSH-approved respirator for organic vapor and mist to control exposure where ventilation is inadequate.
Ventilation: General and local exhaust.
Personal Protective Equipment: Protective Gloves: Impervious gloves (Viton, PVOH, etc.) Eye Protection: Safety glasses with sideshields or chemical goggles. Other Protective Clothing or Equipment: If splashing is anticipated, wear rubber apron and boots or other protective equipment to minimize contact.

SECTION 9: REACTIVITY HAZARD DATA

Stability: Stable
Incompatibility: Strong acids, oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of sulfur, miscellaneous hydrocarbons.
Hazardous Polymerization: Will not occur.

SECTION 10: PHYSICAL AND CHEMICAL PROPERTIES

Color:	Tan
Appearance:	Viscous Liquid
Odor:	Oil
Boiling Point (initial):	NA
Evaporation Rate (n-Butyl Acetate=1):	<<1
Vapor Pressure (mmHg @ 20°C):	3.4
Vapor Density (air=1):	NA
Solubility in Water:	Not Determined
Specific Gravity:	.9-1.0
pH:	Not Applicable
Percent Volatile by Volume:	0

SECTION 11: DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with state, local and federal regulations. Materials may become a hazardous waste through use. If permitted, incineration may be practiced. Consider recycling solvent.

SECTION 12: REGULATORY INFORMATION

Volatile Organic Content: (EPA Method 24)
VOC per gallon: 0.165 lbs/gal

EPA Hazardous Waste Number(s) (40CFR Part 261): D001
EPA Hazard Category (40CFR Part 370): DELAYED (CHRONIC)

SARA TITLE III
This product contains the following TOXIC CHEMICALS subject to the *Reporting Requirements of Sec. 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and of 40CFR Part 372:*

CHEMICAL	CAS NO.	WT %
NONE		

This product contains the following EXTREMELY HAZARDOUS SUBSTANCE(S) subject to the *Emergency Planning Requirements under Sec. 301-303 (40CFR Parts 300 and 355) and Emergency Release Notification Requirements under Sec. 304:*

CHEMICAL	CAS NO.	WT %	RQ/TPQ Lbs
NONE			

(CERCLA LIST) This product contains the following HAZARDOUS SUBSTANCE(S) subject to *Emergency Release Notification Requirements under Sec. 304 (40 CFR Part 302)*:

CHEMICAL	CAS NO.	WT %	Final RQ Lbs
NONE			

CALIFORNIA PROPOSITION 65
This product may contain trace quantities of the following chemicals that are identified by the State of California under the Safe Drinking Water and Toxic Reinforcement Act of 1986 ("Proposition 65") as either a carcinogenic or reproductive hazard:

CHEMICAL	CAS NO.	Estimated Concentration %
NONE		

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.

MATERIAL SAFETY DATA SHEET

DAUBERT CHEMICAL COMPANY

4700 SOUTH CENTRAL AVENUE
CHICAGO, ILLINOIS 60638
TELEPHONE: (708) 496-7350
FAX: (708) 496-7367

EMERGENCY CONTACT:
CHEMTREC (800) 424-9300

HMIS HAZARD RATING	
HEALTH	1
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	D

Date of Review:
Date of Preparation: August 1, 2008

Revised: December 4, 2008
By: M. Longo

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **NOX-RUST® X128T**
Chemical Family: Petroleum Solvent/Additive Blend
Material Usage: Corrosion Preventive Compound

EMERGENCY OVERVIEW: Petroleum solvent-based product with solvent odor. Combustible liquid; when product burns it releases typical hydrocarbon products of combustion. Refer to Section 3 for health effects and to Section 5 for fire hazard data.

SECTION 2: HAZARDOUS INGREDIENTS

Component	Wt%	Recommended Exposure Limits (TWA)
Aliphatic Petroleum Solvent CAS #64742-88-7 and/or #64742-47-8 and/or #8052-41-3	40-50	OSHA PEL: 100 ppm ACGIH TLV: 100 ppm ACGIH STEL: 200 ppm
Petroleum Hydrocarbon (Petrolatum) CAS #8009-03-8	20-25	OSHA PEL: 2 mg/m^3 ACGIH TLV: 2 mg/m^3 (for fumes)
Petroleum Wax CAS #64742-42-3	6-10	OSHA PEL: Not Established ACGIH TLV: 2 mg/m^3(fumes)
[1]Calcium Carbonate CAS #1317-65-3 and/or CAS #471-34-1	2-4	OSHA PEL:5 mg/m^3(respirable fraction) OSHA PEL: 15 mg/m^3(total dust) ACGIH TLV:10 mg/m^3 ([2]nuisance dust)
[1]Carbon Black CAS #1333-86-4	<1	OSHA:PEL: 3.5 mg/m^3 ([2]nuisance dust) ACGIH TLV: None Established

[1]See Section 3.
[2]This component poses a hazard only if the liquid dries and a dust is formed.

SECTION 3: HEALTH HAZARD INFORMATION

Primary Routes of Entry: Inhalation, skin absorption.
Acute Effects: Excessive inhalation may produce dizziness, nausea, headache, and incoordination. May cause severe eye irritation and reversible skin irritation. Prolonged skin exposure may cause dermatitis or oil acne. Breathing mists may cause dizziness or pulmonary irritation.
Carcinogenicity: Calcium carbonate, the product itself, is not listed by NTP, IARC, or OSHA as a carcinogen. There are no reported health effects associated with prolonged exposure to pure calcium carbonate. This product contains variable quantities of crystalline silica (quartz), which is considered a hazard by inhalation. IARC has classified crystalline silica as probably carcinogenic for humans (2A). This classification is based on the findings of laboratory animal studies that were considered to provide sufficient evidence and data from human epidemiological studies that were considered to provide limited evidence for carcinogenicity. Crystalline silica is also a known cause of silicosis, a noncancerous lung disease. NTP and OSHA have not classified crystalline silica as a carcinogen.
Carbon black has been classified by IRAC as a Category 2B (known animal carcinogen, possible human carcinogen) material. This was based on the results of rat inhalation studies of carbon black, despite the lack of parallel evidence on humans or other animal species.
Pre-Existing Medical Conditions Aggravated by Exposure: Exposure may aggravate pre-existing respiratory or skin problems.

SECTION 4: FIRST AID PROCEDURES

Inhalation: Move victim to fresh air and call emergency medical care. If not breathing, give artificial respiration; if breathing is difficult, give oxygen.
Eyes: In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention.
Skin: Wash skin with soap and water. Remove and isolate contaminated clothing and shoes at the site.
Ingestion: DO NOT INDUCE VOMITING. Consult a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point: 105°F. (TCC)
Explosive Limits: LEL: 0.6 UEL: 7.0

EXTINGUISHING MEDIA: Small Fires: Dry chemical, CO_2, water spray, or regular foam. Large Fires: Water spray, fog, or regular foam. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks. For massive fire in cargo area, use unmanned hose holder or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.
Special Firefighting Protection/Emergency Action: Fire may produce irritating or poisonous gases. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Isolate for 1/2 mile in all directions if tank, rail car or tank truck is involved in fire. If runoff from fire control occurs, notify the appropriate authorities.
Unusual Fire/Explosion Hazards: Flammable/combustible material; may be ignited by heat, sparks or flames. Vapors may travel to a source of ignition and flash back. Container may explode in heat of fire. Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.
Products of Combustion: Carbon monoxide, carbon dioxide, oxides of sulfur, miscellaneous hydrocarbons.

SECTION 6: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case Material is Released or Spilled: Shut off ignition sources; no flares, smoking or flames in hazard area. Stop leak if you can do it without risk.
Small Spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal.
Large Spills: Dike far ahead of liquid spill for later disposal.

SECTION 7: SAFE HANDLING INFORMATION

Precautions To Be Taken In Handling/Storage: Store in cool, well-ventilated area. Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty containers can contain explosive vapors.
Other Precautions: Never wear contaminated clothing. Launder or dry clean before wearing. Discard oil-soaked shoes. Wash thoroughly with soap and water (waterless hand cleaner may be helpful in removing residues) after use and before smoking or eating. Avoid excessive skin contact.

SECTION 8: EXPOSURE CONTROLS

Respiratory Protection: NIOSH-approved respirator for organic vapor and mist to control exposure where ventilation is inadequate.
Ventilation: General and local exhaust.
Personal Protective Equipment: Protective Gloves: Impervious gloves (Viton, PVOH, etc.) Eye Protection: Safety glasses with sideshields or chemical goggles. Other Protective Clothing or Equipment: If splashing is anticipated, wear rubber apron and boots or other protective equipment to minimize contact.

SECTION 9: REACTIVITY HAZARD DATA

Stability: Stable
Incompatibility: Strong acids, oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of sulfur, miscellaneous hydrocarbons.
Hazardous Polymerization: Will not occur.

SECTION 10: PHYSICAL AND CHEMICAL PROPERTIES

Color:	Black
Appearance:	Viscous Liquid
Odor:	Petroleum Solvent
Boiling Point (initial):	>300°F
Evaporation Rate (n-Butyl Acetate= 1) :	<1
Vapor Pressure (mmHg @ 20°C):	3.4
Vapor Density (air= 1) :	>1
Solubility in Water:	Negligible
Specific Gravity:	0.88
pH:	Not Applicable
Percent Volatile by Volume:	53

SECTION 11: DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with state, local and federal regulations. Materials may become a hazardous waste through use. If permitted, incineration may be practiced. Consider recycling solvent.

SECTION 12: REGULATORY INFORMATION

Volatile Organic Content: (Calculated Values)

VOC per gallon:	3.5 lbs/gal
VOC per gallon minus exempt solvents and water:	3.5 lbs/gal
EPA Hazardous Waste Number(s) (40CFR Part 261):	D001
EPA Hazard Category (40CFR Part 370):	DELAYED (CHRONIC) FIRE HAZARD (COMBUSTIBLE)

SARA TITLE III

This product contains the following TOXIC CHEMICALS subject to the *Reporting Requirements of Sec. 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and of 40CFR Part 372:*

CHEMICAL	CAS NO.	WT %
NONE		

This product contains the following EXTREMELY HAZARDOUS SUBSTANCE(S) subject to the *Emergency Planning Requirements under Sec. 301-303 (40CFR Parts 300 and 355) and Emergency Release Notification Requirements under Sec. 304:*

CHEMICAL	CAS NO.	WT %	RQ/TPQ Lbs
NONE			

(CERCLA LIST) This product contains the following HAZARDOUS SUBSTANCE(S) subject to *Emergency Release Notification Requirements under Sec. 304 (40 CFR Part 302):*

CHEMICAL	CAS NO.	WT %	Final RQ Lbs
Aliphatic Petroleum Solvent	64742-88-7, 64742-47-8, 8052-41-3	40-50	100

CALIFORNIA PROPOSITION 65

This product may contain trace quantities of chemicals that are identified by the State of California under the Safe Drinking Water and Toxic Reinforcement Act of 1986 ("Proposition 65") as either a carcinogenic or reproductive hazard:

CHEMICAL	CAS NO.	Estimated Concentration %
Crystalline Silica *(Naturally occurring in mined calcium carbonate)*	14808-60-7	.03 max
Carbon Black *(Crystalline Silica and carbon black only present hazards as respirable particles of 10 microns or less. Both are bound in the coating and will not be released as respirable particles.)*	1333-86-4	<1

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.

2001 through 2004 Model Year Tacoma Frame Rust Perforation
Warranty Enhancement Notification

[VIN]

Dear Toyota Owner:

At Toyota, we are dedicated to providing vehicles of outstanding quality and value. As part of our continual efforts to meet your product expectations, Toyota will offer an extension to portions of your vehicle's (VIN noted above) New Vehicle Limited Warranty as it applies to your vehicle's frame.

What is the condition?

Toyota has received reports that a small number of 2001 through 2004 model year Tacomas operated in severe cold climate areas with high road salt use exhibited excessive rust to the frame, causing perforation of the metal. Toyota investigated these reports and determined that the frames in these vehicles may not have adequate corrosion-resistant protection for use in this environment. This combined with prolonged exposure to road salts and other environmental factors may contribute to the development of excessive rust in the frames of some vehicles. This condition is unrelated to and separate from normal surface rust which is commonly found on metallic surfaces after some years of usage and/or exposure to the environment.

What will Toyota do?

Although the vehicle's frame is covered by Toyota's New Vehicle Limited Warranty for 3 years or 36,000 miles (whichever comes first), we at Toyota care about your overall experience with and confidence in your vehicle. To assure you that we stand behind our product, we will extend the warranty coverage, to a total of fifteen years/unlimited mileage, on your vehicle's frame for this specific condition, subject to the terms and conditions of this Letter. Please see the "What Should I Do?" and "Warranty Enhancement Details" section of this letter for limitations and details.

What should I do?

If your vehicle is registered in the following states or the District of Columbia:

- CT, DE, IL, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, VA, VT, WI, WV

Toyota will inspect the condition of your vehicle's frame and apply a corrosion-resistant treatment. This treatment will enhance the corrosion protection of your Tacoma's frame against severe cold climate conditions and high road salt exposure. Any Toyota dealer located in the states listed above will be happy to conduct this inspection and treatment at **no charge** until ***10/31/2010***. Please note that completion of this service before the expiration date is a condition of maintaining the extended warranty if your vehicle is registered in one of these states.

Please contact the Toyota dealer and make an appointment to have your Tacoma's frame inspected and a corrosion-resistant treatment applied before ***10/31/2010***. Please present this Letter to the Toyota dealer at your appointment. The treatment may take one or two days. During the corrosion-resistant treatment process, your Toyota dealer will arrange for a complimentary loaner vehicle (upon proof of adequate insurance) for your use at no charge while the vehicle is being treated.

Because the extended warranty is for a total of fifteen years, it may be necessary to re-inspect and re-treat vehicles operated in areas where such prolonged exposure to road salts and other applicable environmental factors exist. Toyota will notify you if this is necessary.

If your vehicle is registered in the following states:

- AK, AL, AR, AZ, CA, CO, FL, GA, HI, IA, ID, KS, MT, LA, MO, MS, NC, ND, NE, NM, NV, OK, OR, SC, SD, TN, TX, UT, WA, WY and U.S. Territories

You do not need to do anything at this time. Please insert this Letter into your Toyota Owner's Manual Supplement or Owner's Warranty Information booklet or in the vehicle's glove box for future reference.

If you move to an area in which your vehicle may experience prolonged exposure to road salts and other environmental factors, please contact any Toyota dealer and make arrangements to have your vehicle inspected and, if appropriate, treated.

What if perforation of the vehicle's frame caused by rust exists on my vehicle?

If your Tacoma's frame is perforated by rust, contact any Toyota dealer and make arrangements to have your vehicle inspected. Please present this Letter to the Toyota dealer when you bring the vehicle in for your appointment.

After inspection and confirmation of the perforation condition, Toyota will repair the frame according to the perforation level and, if necessary, apply the corrosion-resistant treatment to prevent rust advancement.

Based upon the condition of your specific vehicle and replacement parts/frame availability, Toyota may determine to repurchase your vehicle rather than to repair it. If we decide to repurchase your vehicle, we will offer the following:

- Toyota will repurchase the vehicle ***at the lower*** of the original MSRP when the vehicle was first offered for sale by Toyota or the total amount of 1.5 times the Kelley Blue Book® Suggested Retail Value. If KBB valuation is used, the subject vehicle will be assessed, based on the actual mileage and zip code at the time of inspection, as a vehicle in excellent condition regardless of the vehicle's actual condition, subject to the terms and conditions set forth below. The offer will be based on the terms and conditions stated in the Warranty Enhancement Details. In the event of a repurchase, your Toyota dealer will arrange a complimentary loaner vehicle (upon proof of adequate insurance) for your use at no charge for up to 30 days.

Warranty Enhancement Details

The warranty extension is offered for a period of 15 years with no mileage limitations from the vehicle's in service date, for perforation of the vehicle's frame caused by rust, provided that you adhere to the terms and limitations specified in this letter.

This offer is limited to your specific vehicle whose Vehicle Identification Number (VIN) is printed in this letter and is subject to the same conditions set forth in the New Vehicle Limited Warranty section of your Owner's Manual Supplement or Owner's Warranty Information booklet, with the exception of the extended warranty coverage on the vehicle's frame. Eligibility notes: (1) Damage incurred from abuse, misuse, tampering, a crash, vandalism, flood-damage and/or other impact is not covered by this offer. (2) This offer does not apply to scrapped, salvaged, dismantled, flood-damaged, rebuilt or other branded/salvage title vehicles (excluding lemon law branded vehicles). (3) You must demonstrate that your vehicle is operable, has been operated regularly over the preceding twelve months and has a valid and current registration or you must demonstrate that you were unable to register the vehicle due to the perforation condition in order for this extended warranty coverage to be applied; (4) Vehicles with moderate, or more, accident damage must be driveable and, in any event, are not eligible for the full frame repair or repurchase consideration. (In these cases, any frame repair or repurchase consideration will take into account the cost to repair any accident damage as well as any insurance recovery); and (5) If your vehicle is registered in the states of CT, DE, IL, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, WI, WV, VA, VT or the District of Columbia a Toyota dealer must inspect and apply appropriate corrosion-resistant treatment to a vehicle with a non-perforated frame prior to October 31, 2010.

This program is intended for individual customer support and only applies to warranty work performed at an authorized Toyota dealership.

What if I have previously paid for the repair of the vehicle's frame for this specific condition as it applies to my 2001 through 2004 model year vehicle?

If you have previously paid for repair of the frame on your vehicle (VIN noted in this letter) for this specific condition before receiving this Letter, please contact Toyota at 1-888-270-9371.

If you no longer own this vehicle or would like to update your vehicle ownership/contact information, please go to www.toyota.com/ownersupdate. You will need your full 17-digit Vehicle Identification Number (VIN) to input the new information.

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

LSC 90D – 2001-2004 MODEL YEAR TACOMA FRAME PERFORATION INSPECTION AND OPERATION FLOWCHART

Before raising the vehicle on an alignment rack (or lift), visually inspect the **entire** frame assembly (top, side and bottom surfaces of the frame rails) for visible signs of perforation.

* Visually inspect the frame assembly for rust/corrosion, and follow the steps provided.

*** CAUTION:** Use protective eyewear and gloves when performing the under vehicle inspection as rusted metal may flake off.

Is perforation present?

NO

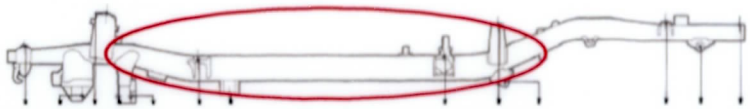
Perforation is NOT visible, and there is NO rust corrosion present on **any** portion of the frame.

Perforation is NOT visible, and rust corrosion is present on the frame.

YES

Perforation is visible on the frame.

1. Raise the vehicle on an alignment (drive-on) rack.
2. Using a 12 to 16 oz. (340 to 450 gr.) hammer, strike the side (inboard and outboard) and bottom surfaces of the frame rails using a 10 – 12 inch swing with light to moderate force.
3. Repeat this process at points every 2" along the frame rails ensuring that the entire area especially within the circle shown below is checked.



Does perforation of the metal occur at **ANY** of the points checked?

YES

NO

Is the vehicle registered in *CT, DC, DE, IL, IN, KY, MA, MD, ME, MI, MN, NH, NJ, NY, OH, PA, RI, VA, VT, WI, or WV?*

Campaign completed, return the vehicle to the customer.

YES

YES

Remove the rust corrosion flakes, etc. from the vehicle's frame.

BEFORE

AFTER

Thoroughly clean the vehicle's frame.

- First apply NOX-RUST® 712AM to the inside of the frame.
- Second apply NOX-RUST® X-128T to the outside surface of the frame. Allow time for the chemicals to dry.

Warning: Make sure the temperature of the vehicle components do not exceed the flashpoint of the chemicals. (See MSDS located in the appendix of the TI)

Replace the frame.

WORK PROCEDURE CHECKLIST

WORK AREA

- ☐ Did you inspect the fire resistant coverings on the lift's swing arms for damage (cuts, tears, etc.) and replace as needed?
- ☐ Did you inspect the fire resistant covering on the floor for damage (cuts, tears, etc.) and replace as needed?
- ☐ Did you make sure the fire resistant covering on the floor was secure and does not create a slipping hazard?
- ☐ Did you inspect the partition(s) for damage (cuts, tears, etc.) and replace/repair as needed?

SPRAY GUN STORAGE

- ☐ Did you remove the air hose from the spray gun?
- ☐ Did you loosen the spray gun from the canister to release the air pressure, and retighten the spray gun to the canister once the air pressure has been released.?
- ☐ Did you cap the 712AM nozzle with the originally equipped nozzle cap and wrap the X128T nozzle with a plastic sheet secured by a rubber band?

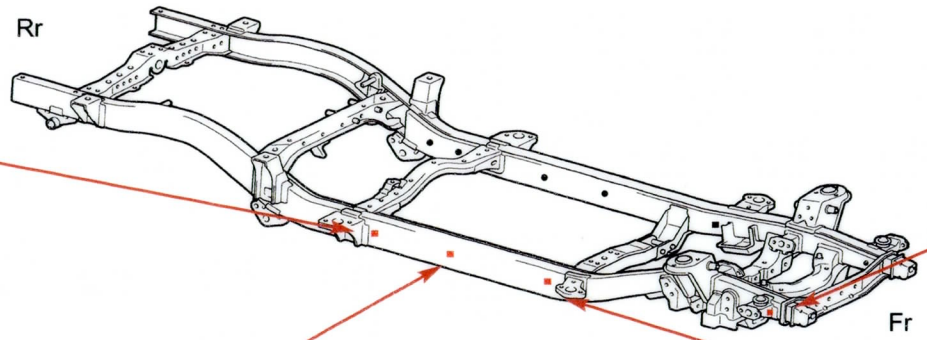
VEHICLE PREPARATION & FRAME CORROSION-RESISTANCE TREATMENT

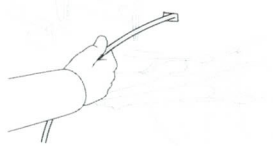
- ☐ Did you check to make sure that the frame's drain holes are not covered by the lift's swing arms?
- ☐ Did you cover the identifying labels (i.e. VIN label, etc.) on the frame with tape?
- ☐ Did you plug the 20 mm x 20 mm square opening and the two 6 mm drain holes located on the left and right sides of the frame with shop cloths/paper towels?
- ☐ Did you wipe off any NOX-RUST® 712AM that may be on the external frame surfaces? If this is not done the X-128T may have difficulty adhering to these areas.
- ☐ Did you apply the NOX-RUST® X-128T external frame treatment to sections of the frame that were covered by the lift points?
- ☐ Did you remove the shop cloths/paper towels from the 20 mm x 20 mm square opening and the two 6 mm drain holes located on the left and right sides of the frame?
- ☐ Did you remove the tape covering the identifying labels (i.e. VIN label, etc.) on the frame?

OUTSIDE FRAME RAIL NOZZLE INSERTION POINT & DEPTH, & NOX-RUST® 712AM INTERNAL FRAME APPLICATION SPEED

NOTE:

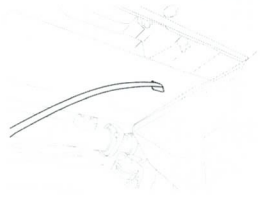
- Follow all MSDS guidelines for the 712AM corrosion preventive compound (sealant) which can be found in the technical instructions (TI).
- Only the outside frame rail nozzle insertion points are shown, see below for inside frame rail nozzle insertion locations.
- The exact insertion point locations may vary depending on the cab configuration.
- Follow the application speed directions to apply the sealant inside of the frame rail.
- Make sure to wear protective eyewear, chemical resistant gloves and refer to the MSDS located in the appendix of the TI when performing this procedure.
- Only one side is shown. Outside frame rail nozzle locations are the same on both sides.
- Make sure to repeat the 712AM application on the opposite frame rail so that both frame rails are sealed.
- Tape can be placed on the spray nozzle to reference insertion depth.



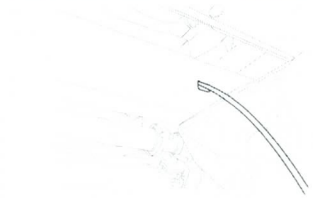


- Insert nozzle as far as it will go towards the front of the frame.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)

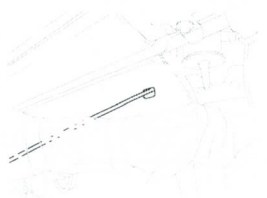
- Insert nozzle as far as it will go towards the rear of the frame.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)



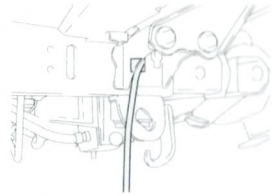
- Insert nozzle as far as it will go towards the front of the frame.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)



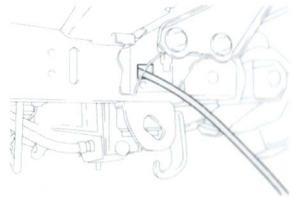
- Insert nozzle as far as it will go towards the rear of the frame.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)



- Insert nozzle as far as it will go towards the front of the frame.
- Slowly pull out the nozzle at an application speed of 0.5 m/sec (20 in/sec)



- Insert nozzle 5 cm (2 in.) towards the front of the frame.
- Slowly pull out the nozzle at an application speed of 0.5 m/sec (20 in/sec)

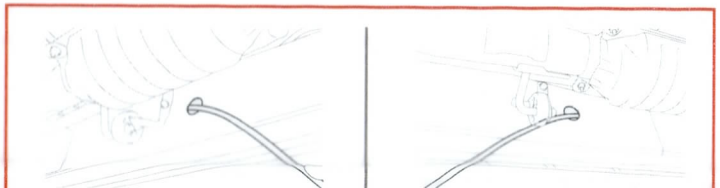


- Insert nozzle as far as it will go towards the rear of the frame.
- Slowly pull out the nozzle at an application speed of 0.5 m/sec (20 in/sec)

INSIDE FRAME RAIL NOZZLE INSERTION POINT & DEPTH, & NOX-RUST® 712AM INTERNAL FRAME APPLICATION SPEED

NOTE:

- Follow all MSDS guidelines for the 712AM which can be found in the technical instructions.
- Only the inside frame rail nozzle insertion points are shown, see the previous section for outside frame rail nozzle insertion locations.
- The exact insertion point locations may vary depending on the cab configuration.
- Only one side is shown. Inside frame rail nozzle locations are the same on both sides.
- Make sure to wear protective eyewear, chemical resistant gloves and refer to the MSDS located in the appendix of the TI when performing this procedure.
- Make sure to repeat the 712AM application on the opposite frame rail so both frame rails have sealant applied.
- Tape can be placed on the spray nozzle to reference insertion depth.



- Insert nozzle as far as it will go towards the front of the frame.
- Slowly pull out the nozzle at an application speed of 0.5 m/sec (20 in/sec) to seal internal surfaces.

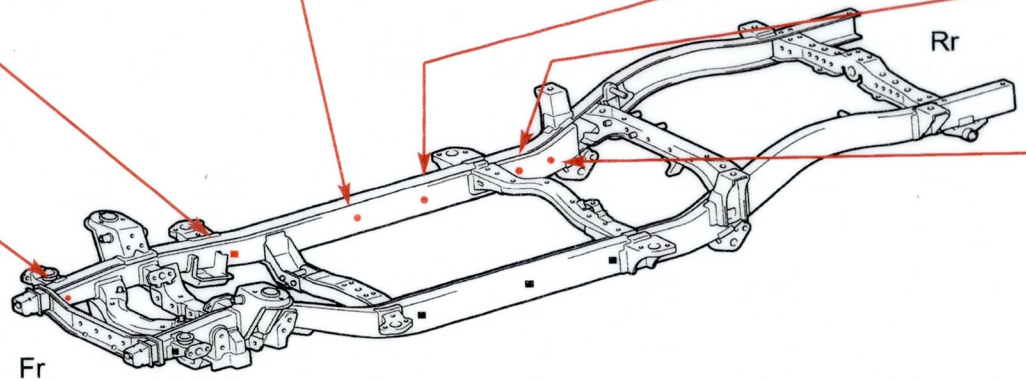
- Insert nozzle as far as it will go towards the front of the frame.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)

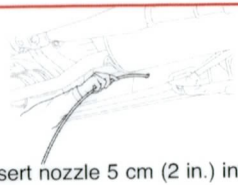
- Insert nozzle as far as it will go towards the rear of the frame.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)

- Insert nozzle as far as it will go towards the rear of the frame.
- Apply the 712AM while turning the nozzle in a circular motion.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)

- Insert nozzle as far as it will go towards the front of the frame.
- Apply the 712AM while turning the nozzle in a circular motion.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)

- Insert nozzle as far as it will go towards the rear of the frame.
- Slowly pull out the nozzle at an application speed of 0.5 m/sec (20 in/sec)





- Insert nozzle 5 cm (2 in.) into the frame.
- Apply the 712AM while turning the nozzle in a circular motion.
- Slowly pull out the nozzle at an application speed of 0.3 m/sec (12 in/sec)
- Please note this area maybe very tight.

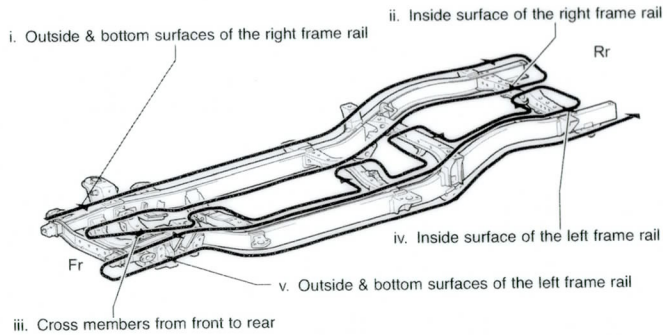
NOX-RUST® X-128T EXTERNAL FRAME APPLICATION SPEED

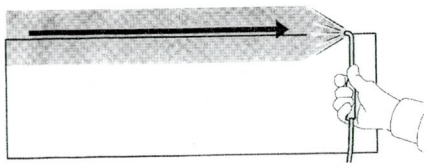
NOTE:

Make sure to wear protective eyewear, chemical resistant gloves and refer to the MSDS located in the appendix of the TI when performing this procedure.

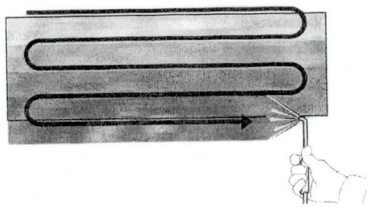
Before beginning, please review the flow/order of the applications of the X-128T corrosion preventive compound (sealant) to the external frame, as shown in the illustration and as listed below. Follow the application speed directions to apply the sealant to the exterior of the frame rail.

i. Outside & bottom surfaces of the right frame rail (starting at the front of the vehicle)
ii. Inside surface of the right frame rail (starting with the rear of the vehicle)
iii. Cross members from front to rear (starting from the front of the vehicle)
iv. Inside surface of the left frame rail (starting with the rear of the vehicle)
v. Outside & bottom surfaces of the left frame rail (starting at the front of the vehicle)

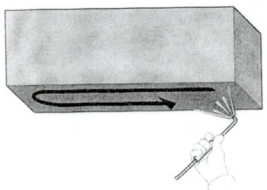




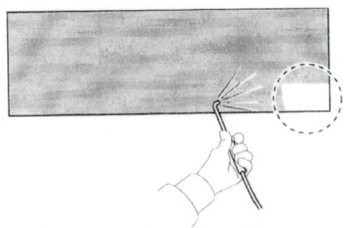
1. Starting in the top left corner of the section you are spraying, position the spray nozzle 20 to 25 cm (8 to10 in.) away from the frame surface.
2. Apply the X-128T to the outside frame rail at a constant speed of 0.1 m/sec (4 in/sec).



3. Without stopping, move down, reverse direction as shown in the illustration until the section is completed. Slightly overlap each pass by 0.5 in. so no gaps appear.



4. Once the outside surface of the frame rail section you are working on has been completed, without stopping, spray the bottom side as shown.
5. Spray the remaining frame and cross member surfaces in the same manner.



6. After the entire frame has been sealed, inspect and spray any areas that may have been missed.

NOTE: After the vehicle has been removed from the lift, clean and spray the lift points.

TABLE OF CONTENTS

TOYOTA

TO: West Virginia STATE DEALER PRINCIPALS, SERVICE AND PARTS MANAGERS

DATE: 2009

RE: Information Packet for LSC 90D

LSC 90D - LIMITED SERVICE CAMPAIGN FOR 2001 - 2004 MODEL YEAR TACOMAS

WEST VIRGINIA DEALER INFORMATION PACKET

In December 2008, Toyota announced a Customer Support Program (CSP) for certain '01-'04 Model Year (MY) Tacomas. In conjunction with the CSP, a Limited Service Campaign (LSC) 90D is being launched to apply anti-corrosion (protective sealant) materials to vehicles registered in the Severe Cold Climate States.

This Packet contains information to help you prepare to apply these materials to affected Tacomas. The LSC anti-corrosion materials contain Volatile Organic Compounds (VOCs) and other substances that are subject to federal, state and/or local laws related to ***air emissions, fire code approval, waste generation and recordkeeping***. Your dealership will be able to ***comply with these laws without significant burdens on your business*** as long as you follow the steps discussed in this Packet; therefore, please review this entire Information Packet with your service and parts staff ***BEFORE*** you begin conducting the LSC.

This Packet consists of three parts, contained in two bound booklets:

1. *"Getting Started Guide"*: ***Gets you started by reviewing the steps your dealership should take to comply with federal, state and local laws.***

2. *"Federal, State and Local Requirements Guide"*: ***Reviews in more detail relevant federal, state and local laws. Also provides compliance tools.***

3. *"Technical Instructions"*: ***Contains detailed technical instructions that you should follow at all times.***

Assumptions for this Packet: You will conduct the LSC at your dealership. For more information and dealer support, please **go to the C.L.E.A.N. Dealer website at http://cleandealer.com and select the LSC-90D link. You may also call the C.L.E.A.N. Dealer EH&S Hotline at (877) 572-4347.**

IMPORTANT – PLEASE READ

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HOW TO IMPLEMENT THE LSC

Step 1: ***Select an Appropriate Spraying Space,***

To ensure that the LSC is conducted in compliance with all applicable regulatory requirements, you need to select a spray space that meets certain minimum requirements. Go to the Spraying Space Selection Section for more information.

Step 2: ***Confirm That You Can Conduct the LSC and Stay Exempt from Air Permitting Requirements.***

The West Virginia Department of Environmental Protection (Div. Of Air Quality) has confirmed that your dealership is exempt from permitting requirements for the LSC ***as long as you will conduct the LSC at your dealership.***

Can you conduct the LSC in an existing service area?

NO → **Please go to C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).**

YES

Step 3: ***Contact Your Local Fire Official To Obtain A Fire Code Permit (Or Confirm That You Do Not Need One) And Confirm Your Compliance With Building And Zoning Code Requirements.***

See Fire, Building and Zoning Codes Section of **Federal, State and Local Requirements Guide** for compliance and contact information.

AFTER COMPLETING STEPS 1, 2 & 3 *YOU CAN START APPLYING LSC MATERIALS*

But, you must complete the **LSC 90D Readiness Survey (to receive the spray equipment)**, and follow the Technical Instructions and Step 4 below.

COMPLETE THE LSC 90D READINESS SURVEY

Please complete the **LSC 90D Readiness Survey** available at the C.L.E.A.N. Dealer website (http://cleandealer.com) to confirm your readiness to start the LSC. ***Toyota will automatically ship the LSC Spray Guns*** to you at no charge once the survey reflects you have completed all LSC preparation steps.

Step 4: ***Keep Air Permitting Exemption Records***.

Use forms in Air Recordkeeping Section of **Federal, State and Local Requirements Guide**.

IMPORTANT – PLEASE READ

LSC 90D - LIMITED SERVICE CAMPAIGN FOR
2001 - 2004 MODEL YEAR TACOMAS

WEST VIRGINIA DEALER INFORMATION PACKET

GETTING STARTED GUIDE

Where Will You Conduct The LSC? *This Guide assumes your dealership will conduct the Limited Service Campaign (LSC) in an existing area at your dealership. If this assumption is incorrect, or if you plan to conduct the LSC in another area or state, please go to C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).*

PLEASE READ THIS GUIDE CAREFULLY SO THAT YOU UNDERSTAND THE STEPS YOUR DEALERSHIP SHOULD TAKE TO COMPLY WITH THE APPLICABLE LEGAL REQUIREMENTS:

- **BEFORE** beginning the LSC (see **Steps 1, 2 and 3** below); and
- **WHILE** conducting the LSC (see **Step 4** below).

STEP 1 – BEFORE YOU BEGIN APPLYING LSC MATERIALS, PLEASE SELECT AN APPROPRIATE SPRAYING SPACE

To ensure that the LSC is conducted in compliance with all applicable regulatory requirements, you need to select an LSC work area that meets certain minimum requirements. Go to the Site Selection Section for more information.

STEP 2 – BEFORE YOU BEGIN THE LSC CONFIRM YOUR DEALERSHIP CAN STAY EXEMPT FROM AIR PERMITTING REQUIREMENTS

The LSC anti-corrosion materials contain Volatile Organic Compounds (VOCs) and other substances subject to federal and state air quality laws. Generally, these laws allow emissions up to a certain level and require a facility, if it wishes to exceed that level, to obtain an air permit from the state.

Toyota Motor Sales, U.S.A., Inc. has contacted the West Virginia Department of Environmental Protection, Division of Air Quality (WVDAQ) and explained the LSC and its air emissions. WVDAQ has issued a formal determination that the LSC does not require a permit if it is conducted at Toyota's West Virginia Dealerships.

IMPORTANT – PLEASE READ

IMPORTANT – PLEASE READ

IMPORTANT REGULATORY NOTE: *If you do not plan on conducting the LSC in an existing area at your dealership, please go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347)* ***before you can begin LSC operations****.*

How Can I Learn More? Go to Air Regulations and Air Recordkeeping Sections of **Federal, State and Local Requirements Guide** for more information.

STEP 3 – BEFORE YOU BEGIN APPLYING LSC MATERIALS, CONTACT YOUR LOCAL FIRE OFFICIAL FOR APPROVAL OF LSC ACTIVITIES AND MAKE SURE THAT YOUR DEALERSHIP CAN CONDUCT THE LSC IN COMPLIANCE WITH FIRE, BUILDING AND ZONING CODES

The LSC materials are combustible and subject to requirements under State and local fire codes. Building and zoning codes also can apply. The Fire, Building and Zoning Codes Section of the **Federal, State and Local Requirements Guide** reviews these important requirements, but in summary, **prior to starting the LSC, you must**:

1. ***CONTACT YOUR LOCAL FIRE OFFICIAL IN WRITING IN ORDER TO: (A) PROVIDE INFORMATION ABOUT THE LSC; AND (B) OBTAIN A PERMIT IF REQUIRED, OR CONFIRM THAT A PERMIT IS NOT REQUIRED.***

What Do I Need To Give My Local Fire Official? *Information about the LSC and where your dealership will conduct it. We recommend calling your local fire official to alert them that you will be sending these materials. However, to avoid confusion, make sure to send the letter and attachments to your fire official to ensure that the fire official has more than a verbal description of the LSC.*

Appendix A of the Fire, Building and Zoning Codes Section contain everything you need to provide to your local fire official.

2. ***CONFIRM THAT YOU CAN CONDUCT THE LSC IN COMPLIANCE WITH BUILDING, ZONING AND FIRE CODE REQUIREMENTS.***

How Do I Confirm Compliance With Building, Zoning and Fire Code Requirements? *Go to the Fire, Building and Zoning Codes Section for the information you need to confirm about your dealership operations. Remember to use Table 1 in that Section to look up whether your location is subject to any special additional requirements.*

After We Complete Steps 1, 2 and 3, Can We Start The LSC?

Yes, if you have completed the ***LSC 90D Readiness Survey*** *(available at the C.L.E.A.N. Dealer website - http://cleandealer.com) and received the LSC spray guns.*

BUT *make sure to follow both (1) the detailed* ***Technical Instructions,*** *and (2) Step 4. You should also review the* ***Federal, State and Local Requirements Guide*** *to better understand the legal requirements for Steps 1, 2, 3 and 4.*

STEP 4 – KEEP AIR PERMITTING EXEMPTION RECORDS

The WVDAQ has confirmed that your dealership is exempt from air permitting requirements for the LSC, so long as you conduct at your dealership. However, this determination by WVDAQ requires you to maintain certain records in your files. Go to the Air Recordkeeping Section of the **Federal, State and Local Requirements Guide** for more information and the necessary documentation.

* * * * *

COMPLIANCE NOTE REGARDING REGULATED WASTE: *The LSC spray guns do not need to be cleaned and therefore the LSC spray operations will not generate regulated hazardous waste. As a result, it should not impact your dealership's waste generator status (e.g., whether you are a Small Quantity Generator or a Conditionally Exempt Small Quantity Generator of regulated waste). However, this assumes that you reuse the tarps (floor coverings) and any materials used to set up the partitions for the LSC operations described in the Technical Instructions. If you frequently dispose of the tarps and/or the partition materials you will generate a larger quantity of waste, which may impact your generator status. If you have any questions, please go to the C.L.E.A.N. Dealer website – (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).*

Additionally, you should handle any excess quantities of the LSC materials and/or rags used to clean up any LSC materials in the same manner as other regulated hazardous waste at your dealership. See the Regulated Waste Management Section of the ***Federal State and Local Requirements Guide*** *for more information.*

* * * * *

The steps outlined above should help you ensure that your dealership conducts the LSC in compliance with the relevant federal, state and local legal requirements. You should use this **Getting Started Guide** along with the other parts of the LSC Dealer Information Packet – the **Federal, State and Local Requirements Guide** and the **Technical Instructions**.

This Information Packet is not intended to cover other air, waste management, hazardous material, water or other environmental laws and regulations that might apply to non-LSC operations at your dealership. We assume that you already comply with these requirements.

IMPORTANT – PLEASE READ

LSC 90D - LIMITED SERVICE CAMPAIGN FOR 2001 - 2004 MODEL YEAR TACOMAS

WEST VIRGINIA DEALER INFORMATION PACKET

GETTING STARTED GUIDE

Where Will You Conduct The LSC? *This Guide assumes your dealership will conduct the Limited Service Campaign (LSC) in an existing area at your dealership. If this assumption is incorrect, or if you plan to conduct the LSC in another area or state, please go to C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).*

PLEASE READ THIS GUIDE CAREFULLY SO THAT YOU UNDERSTAND THE STEPS YOUR DEALERSHIP SHOULD TAKE TO COMPLY WITH THE APPLICABLE LEGAL REQUIREMENTS:

- **BEFORE** beginning the LSC (see **Steps 1, 2 and 3** below); and
- **WHILE** conducting the LSC (see **Step 4** below).

STEP 1 – BEFORE YOU BEGIN APPLYING LSC MATERIALS, PLEASE SELECT AN APPROPRIATE SPRAYING SPACE

To ensure that the LSC is conducted in compliance with all applicable regulatory requirements, you need to select an LSC work area that meets certain minimum requirements. Go to the Site Selection Section for more information.

STEP 2 – BEFORE YOU BEGIN THE LSC CONFIRM YOUR DEALERSHIP CAN STAY EXEMPT FROM AIR PERMITTING REQUIREMENTS

The LSC anti-corrosion materials contain Volatile Organic Compounds (VOCs) and other substances subject to federal and state air quality laws. Generally, these laws allow emissions up to a certain level and require a facility, if it wishes to exceed that level, to obtain an air permit from the state.

Toyota Motor Sales, U.S.A., Inc. has contacted the West Virginia Department of Environmental Protection, Division of Air Quality (WVDAQ) and explained the LSC and its air emissions. WVDAQ has issued a formal determination that the LSC does not require a permit if it is conducted at Toyota's West Virginia Dealerships.

IMPORTANT – PLEASE READ

IMPORTANT – PLEASE READ

IMPORTANT REGULATORY NOTE: *If you do not plan on conducting the LSC in an existing area at your dealership, please go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347)* ***before you can begin LSC operations****.*

How Can I Learn More? Go to Air Regulations and Air Recordkeeping Sections of **Federal, State and Local Requirements Guide** for more information.

STEP 3 – BEFORE YOU BEGIN APPLYING LSC MATERIALS, CONTACT YOUR LOCAL FIRE OFFICIAL FOR APPROVAL OF LSC ACTIVITIES AND MAKE SURE THAT YOUR DEALERSHIP CAN CONDUCT THE LSC IN COMPLIANCE WITH FIRE, BUILDING AND ZONING CODES

The LSC materials are combustible and subject to requirements under State and local fire codes. Building and zoning codes also can apply. The Fire, Building and Zoning Codes Section of the **Federal, State and Local Requirements Guide** reviews these important requirements, but in summary, **prior to starting the LSC, you must**:

1. ***CONTACT YOUR LOCAL FIRE OFFICIAL IN WRITING IN ORDER TO: (A) PROVIDE INFORMATION ABOUT THE LSC; AND (B) OBTAIN A PERMIT IF REQUIRED, OR CONFIRM THAT A PERMIT IS NOT REQUIRED.***

   What Do I Need To Give My Local Fire Official? *Information about the LSC and where your dealership will conduct it. We recommend calling your local fire official to alert them that you will be sending these materials. However, to avoid confusion, make sure to send the letter and attachments to your fire official to ensure that the fire official has more than a verbal description of the LSC.*

   Appendix A of the Fire, Building and Zoning Codes Section contain everything you need to provide to your local fire official.

2. ***CONFIRM THAT YOU CAN CONDUCT THE LSC IN COMPLIANCE WITH BUILDING, ZONING AND FIRE CODE REQUIREMENTS.***

   How Do I Confirm Compliance With Building, Zoning and Fire Code Requirements? *Go to the Fire, Building and Zoning Codes Section for the information you need to confirm about your dealership operations. Remember to use Table 1 in that Section to look up whether your location is subject to any special additional requirements.*

After We Complete Steps 1, 2 and 3, Can We Start The LSC?

Yes, if you have completed the ***LSC 90D Readiness Survey*** *(available at the C.L.E.A.N. Dealer website - http://cleandealer.com) and received the LSC spray guns.*

BUT *make sure to follow both (1) the detailed* ***Technical Instructions,*** *and (2) Step 4. You should also review the* ***Federal, State and Local Requirements Guide*** *to better understand the legal requirements for Steps 1, 2, 3 and 4.*

STEP 4 – KEEP AIR PERMITTING EXEMPTION RECORDS

The WVDAQ has confirmed that your dealership is exempt from air permitting requirements for the LSC, so long as you conduct at your dealership. However, this determination by WVDAQ requires you to maintain certain records in your files. Go to the Air Recordkeeping Section of the **Federal, State and Local Requirements Guide** for more information and the necessary documentation.

* * * * *

COMPLIANCE NOTE REGARDING REGULATED WASTE: *The LSC spray guns do not need to be cleaned and therefore the LSC spray operations will not generate regulated hazardous waste. As a result, it should not impact your dealership's waste generator status (e.g., whether you are a Small Quantity Generator or a Conditionally Exempt Small Quantity Generator of regulated waste). However, this assumes that you reuse the tarps (floor coverings) and any materials used to set up the partitions for the LSC operations described in the Technical Instructions. If you frequently dispose of the tarps and/or the partition materials you will generate a larger quantity of waste, which may impact your generator status. If you have any questions, please go to the C.L.E.A.N. Dealer website – (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).*

Additionally, you should handle any excess quantities of the LSC materials and/or rags used to clean up any LSC materials in the same manner as other regulated hazardous waste at your dealership. See the Regulated Waste Management Section of the ***Federal State and Local Requirements Guide*** *for more information.*

* * * * *

The steps outlined above should help you ensure that your dealership conducts the LSC in compliance with the relevant federal, state and local legal requirements. You should use this **Getting Started Guide** along with the other parts of the LSC Dealer Information Packet – the **Federal, State and Local Requirements Guide** and the **Technical Instructions**.

This Information Packet is not intended to cover other air, waste management, hazardous material, water or other environmental laws and regulations that might apply to non-LSC operations at your dealership. We assume that you already comply with these requirements.

IMPORTANT – PLEASE READ

For more information and support, please go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).

Thank you for your participation and cooperation in the 2001-2004 Tacoma Limited Service Campaign.

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

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LSC 90D - LIMITED SERVICE CAMPAIGN FOR 2001 - 2004 MODEL YEAR TACOMAS

DEALER INFORMATION PACKET

SITE SELECTION SECTION

Please carefully review the entire Dealer Information Packet – including this Site Selection Section – with your Service and Parts Staff.

As explained in other Sections, the LSC is subject to various legal requirements that impose certain operational limitations on it, including requirements related to the location where it will be conducted. Therefore, careful selection of your LSC work area is important to ensure your compliance with those requirements and to help expedite regulatory approvals (e.g., from your local fire official). ***The purpose of this Section is to help you select an LSC work area.***

<table>
<tr><th colspan="2">SITE SELECTION CONSIDERATIONS</th></tr>
<tr><td colspan="2">1) LSC WORK AREA MUST COMPLY WITH BUILDING, MECHANICAL AND ZONING REQUIREMENTS (e.g., has a certificate of occupancy).

Your LSC work area should be located in an existing building/service area that complies with building/zoning/mechanical requirements. The LSC <u>may not</u> take place outdoors.</td></tr>
<tr><td colspan="2">2) YOUR LSC WORK AREA <u>MUST</u> HAVE ALL OF THE FOLLOWING:</td></tr>
<tr><td colspan="2">a) Adequate ventilation (whether natural or mechanical);

Consideration should be given to: (1) locations/stalls near bay doors, other natural ventilation and/or areas with approved mechanical ventilation, and (2) where possible, locations at the end of a row of service bays and not in the middle.</td></tr>
<tr><td>b) <u>Be at least 20 feet from:</u> (1) open flames and/or spark-producing equipment and appliances; and (2) any drying, curing, and/or fusion apparatus;</td><td>c) The LSC should be the only spraying operation conducted in the LSC work area and it must be located away from pits or other below-ground areas;</td></tr>
<tr><td>d) The LSC work area must have: (1) a suitable lift that allows clear access to the vehicle's frame rails, and (2) a non-combustible floor (e.g., concrete) (if the floor is combustible</td><td>e) A Type 1-4-A rated or a 2-2.5 gallon water-type fire extinguisher located within 75' of LSC operations;[2]</td></tr>
</table>

[1] <u>If the LSC work area has a non-combustible floor (e.g., concrete)</u>, standard thin plastic sheeting may be used for clean up purposes on the floor in the LSC work area.

<u>If the LSC work area has a combustible floor (e.g., wood)</u>, it must be covered with fire retardant sheeting (e.g., TRM 'WEATHER-ALL' Flame Retardant Film).

IMPORTANT – PLEASE READ

IMPORTANT – PLEASE READ

see footnote 1 below);[1]	
f) **Compressed air**;	g) **Eyewash stations**;
h) **Drop lights appropriate for** use during the spraying of **combustible materials**; and	i) **Any other equipment**, operational and/or building features **required by applicable law** or indicated in the **Material Safety Data Sheets (MSDSs)** for the LSC materials.

3) **ALL LSC WORK SHOULD BE CONDUCTED IN A PARTITION ENCLOSURE** such as those depicted in the **Technical Instructions,** which separates the LSC from other vehicles and work areas/stalls.

*To prevent the possible accumulation of combustible vapors, the partition enclosures depicted in the **Technical Instructions** should have sufficient open space (at least one foot) at the bottom of the partition to allow for ventilation. In certain spraying spaces, such as an end bay space, it may be appropriate to use a partition enclosure with only three sides and to leave the fourth open, thereby increasing ventilation in the work area.*

OTHER REQUIREMENTS TO CONSIDER

Other Legal Requirements

The LSC is subject to other federal, state and/or local laws and codes related to air emissions, fire code approval, waste generation and recordkeeping that impose other operational limitations on it. **Therefore, in addition to this Section you should carefully review the Technical Instructions and the rest of this Guide** (e.g., the Air Regulations, Fire, Building and Zoning, and Regulated Waste Management Sections).

LSC Material Storage

You **may not** store more than 25 gallons of combustible materials (including the LSC materials) in any fire area at your dealership. A fire area is any area in your dealership separated from the remainder of the building by construction and openings that have fire resistance ratings of at least 1 hour.

You may only exceed this 25 gallon limit if the materials are stored in a fire cabinet. If you are using a fire cabinet you may store up to 120 gallons in any one cabinet and have up to 3 cabinets in any one fire area at your dealership.

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[2] A fire extinguisher should be in the vicinity even if the LSC work area has an automatic fire protection system (e.g., sprinklers).

TOYOTA

LSC 90D - LIMITED SERVICE CAMPAIGN FOR
2001 - 2004 MODEL YEAR TACOMAS

WEST VIRGINIA DEALER INFORMATION PACKET
FEDERAL, STATE AND LOCAL REQUIREMENTS GUIDE

Please review the entire Dealer Information Packet
-- including this Federal, State and Local Requirements Guide --
with your Service and Parts staff.

For the Limited Service Campaign (LSC), your dealership will use separate Vaupel HSDR 3300 spray gun to apply two different anti-corrosion sealant materials known as "NOX-RUST® X128T" and "NOX-RUST® 712AM", both of which are combustible and contain Volatile Organic Compounds (VOCs). The application of these materials will result in air emissions. As a result, your dealership will need to conduct the LSC in compliance with legal requirements for:

- Air Quality under West Virginia Department of Air Quality (WVDAQ) regulations; and
- Spraying & Storage of Combustible Liquids under State and Local Building, Zoning and Fire Codes.

This **Guide** reviews these requirements and provides forms and other compliance materials. It has been organized with separate sections labeled by topic so that you can easily review the information now and also later find the information should questions arise. ***To assist with your review, important pages/documents have been marked with a red line on the edge of the page.***

1. "AIR REGULATIONS" SECTION

(a) The Air Regulations Section reviews the federal and state laws that regulate air emissions from the LSC at your dealership.

(b) TMS has also obtained a determination from WVDAQ that LSC activities conducted at your dealership do not require an air permit. If you do not plan to conduct the LSC at your dealership please go to the C.L.E.A.N. Dealer website at http://cleandealer.com and select the LSC-90D link. You may also call the C.L.E.A.N. Dealer EH&S Hotline at (877-572-4347) for more information and support.

IMPORTANT – PLEASE READ

IMPORTANT – PLEASE READ

2. **"AIR RECORDKEEPING" SECTION**

(a) The Air Recordkeeping Section contains the documents that your dealership will need to retain regarding the air emissions from the LSC. ***These records are necessary to ensure that your dealership can conduct the LSC and stay exempt from air permitting, and also can be used as records to demonstrate your dealership's compliance with the applicable requirements.***

(b) **As explained in the Air Regulations Section, we recommend that you maintain these documents for two (2) years after completion of the LSC.**

3. **"FIRE, BUILDING, AND ZONING CODES" SECTION**

(a) The Fire, Building, and Zoning Codes Section reviews the applicable state and local fire, building, and zoning codes. In general, these codes apply due to the combustibility of the two LSC anti-corrosion materials. Review all of the information carefully to ensure that your dealership can conduct the LSC in compliance with these codes.

(b) **IMPORTANT:** As explained at the Fire, Building, and Zoning Codes Section, prior to implementing the LSC, **your dealership will need to contact your local fire official in order to**:

(i) Provide information about the LSC; and

(ii) Obtain a fire permit *OR* confirm, in writing, that a permit is not required.

(c) Appendix A to the *Fire, Building, and Zoning Codes Section* contains a model letter and all of the technical information necessary to provide your local fire official, except you will need to add some descriptive information about the location where you will conduct the LSC. Appendix A also includes a determination from the West Virginia State Fire Marshal that the LSC is compliant with the State Fire Code, which should also be provided to your local fire official. For more information and support, please go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).

(d) Prior to conducting the LSC, your dealership will also need to confirm that it can conduct the LSC in compliance with other building and zone code requirements. Go to Table 1 in the Fire Building and Zoning Codes Section for additional information.

4. "REGULATED WASTE MANAGEMENT" SECTION

(a) The Regulated Waste Management Section reviews the requirements that apply to regulated hazardous wastes generated by your dealership generally. If you are already familiar with these requirements you can skip this section.

(b) The LSC spray guns do not need to be cleaned and therefore the LSC spray operations should not generate additional regulated waste. However, because this assumes that you reuse the tarps (floor coverings) and any materials used to set up the partitions for the LSC operations described in the **Technical Instructions.** If you dispose of the tarps and/or partition materials you will generate a larger quantity of waste, which may impact your generator status.

(c) Additionally, because the LSC materials are combustible, the EPA and WVDAQ consider them "hazardous" if they are disposed of as waste. Therefore, if your dealership has any excess LSC materials or other materials used to clean up the LSC materials (e.g., rags), then those materials should be handled in a similar manner to other regulated wastes generated at your dealership.

(d) If you have any questions, please go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).

* * * * *

This **Federal, State and Local Requirements Guide** is not intended to cover air, waste management, hazardous material, water or other environmental laws and regulations that might apply to non-LSC operations at your dealership. We assume that you already have systems in place to comply with any other environmental, health and safety requirements that apply to your dealership.

If you have any questions after reviewing this information or as you proceed, please go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).

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LSC 90D - LIMITED SERVICE CAMPAIGN FOR
2001 - 2004 MODEL YEAR TACOMAS

WEST VIRGINIA DEALER INFORMATION PACKET
FEDERAL, STATE AND LOCAL REQUIREMENTS GUIDE
AIR REGULATIONS SECTION

I. AIR PERMITTING REQUIREMENTS: ARE YOU EXEMPT?

The LSC activities result in emissions of Volatile Organic Compounds (VOCs) and Particulate Matter (PM). Federal and state laws allow emissions of these substances up to certain levels and require a facility wishing to exceed those levels to obtain an air permit from the state.

> ***Important: Air Emission Limits Apply To Your Entire Dealership.*** *The air permitting laws apply based on total emissions from an entire facility and not just from a particular building or location. For example, if your dealership's physical plant is distributed across multiple buildings, land parcels or physical locations, then the air emissions from all of those buildings and locations would have to be combined to determine whether the dealership's total air emissions are below air permitting levels. In some cases, even emissions from offsite locations that are not physically adjacent to a dealership (such as an offsite body shop) must be combined with the dealership's emissions to make this air permitting determination.*

Toyota Motor Sales, U.S.A., Inc. has contacted the West Virginia Division of Air Quality (WVDAQ) and explained the LSC and its air emissions. WVDAQ has issued a formal determination that the LSC does not require a permit if it is conducted at Toyota's West Virginia Dealerships and the LSC air emissions do not exceed the limits discussed with WVDAQ. Therefore, we assume that your dealership is currently exempt from air permitting requirements, and will be able to conduct the LSC and stay exempt from air permitting requirements **IF you satisfy criteria A AND B** on Page 16.

> *If you do not think your dealership can comply with the requirements below, or for more information and support, please go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).*

IMPORTANT – PLEASE READ

IMPORTANT – PLEASE READ

YOUR DEALERSHIP DOES NOT NEED AN AIR PERMIT IF:

A. YOUR DEALERSHIP WILL CONDUCT THE LSC IN AN EXISTING AREA AT YOUR DEALERSHIP.

Do I Have To Conduct The LSC In An Existing Area At Your Dealership? *No, but if you plan to conduct the LSC in another area (such as in an offsite body shop) or in another state, then you may not be able to stay exempt from air permitting and/or you may be subject to different requirements. Please contact go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347) for more information.*

B. YOU KEEP CERTAIN RECORDS IN YOU FILES FOR A PERIOD OF 2 YEARS AFTER COMPLETION OF THE LSC.

Why do I have to keep the records? *To demonstrate compliance and support WVDAQ's determination that the LSC operations at your dealership when conducted in an existing area at Toyota's West Virginia Dealerships are exempt from air permitting. Please see Subsection II below and the Air Recordkeeping Section for more information.*

II. AIR PERMITTING REQUIREMENTS: UNDERSTANDING HOW THEY WILL APPLY TO YOUR DEALERSHIP

a) We assume that your dealership is currently exempt from air permitting requirements. Potential VOC emissions from LSC activities must be less than 6 lbs/hour or 10 tons per year ("tpy") to stay exempt from air permitting. The LSC's potential VOC emissions are 2.96 lbs/hour and 3.19 tpy.

b) TMS has obtained a Permit Determination from the WVDAQ confirming that no permit is required for LSC operations at your dealership, if they are conducted in an existing area at Toyota's West Virginia Dealerships. A copy of this Permit Determination has been included in the Air Recordkeeping Section of this Guide.

c) If your dealership currently has an air permit, a permit modification would generally be required if actual VOC emissions from the LSC exceed 6 lbs/hour and 10 tpy. As already mentioned above, however, the LSC's emissions will be under these thresholds, and therefore, no permit modification will be required.

d) For more information and support, please go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).

III. AIR PERMITTING REQUIREMENTS: YOUR RECORDKEEPING OBLIGATIONS

The Air Recordkeeping Section contains documents that you can use to demonstrate that you are exempt from air permitting requirements, in the event any questions are raised. **You must keep the following records on file at your dealership for a period of two years from the completion of the LSC, including**:

a) **Recordkeeping Obligations:** The Permit Determination from WVDAQ indicating that the LSC is exempt from air permitting requires your dealership to keep certain records in your files to confirm that you are exempt from air permitting. **These records include**

(1) A brief overview of the LSC process;

(2) Memorandum Documenting LSC's Potential to Emit;

(3) LSC Equipment Manufacturer's Specifications; and

(4) Letter from WVDAQ confirming the LSC**'s** eligibility for an exemption from Air Permitting Requirements under 45CSR13, dated April 29, 2009; and

(5) Material Safety Data Sheets for the LSC materials (NOTE: These should also be maintained with your other MSDSs, in compliance with OSHA requirements).

b) **You should keep these records at your dealership for two (2) years from the completion of the LSC. You will not need to do anything with these items (which are included in this *Guide*) except keep them in your files, unless the information is requested by WVDAQ.**

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LSC 90D - LIMITED SERVICE CAMPAIGN FOR
2001 - 2004 MODEL YEAR TACOMAS

WEST VIRGINIA DEALER INFORMATION PACKET
FEDERAL, STATE AND LOCAL REQUIREMENTS GUIDE

AIR RECORDKEEPING SECTION

IMPORTANT*: Please maintain these documents in your dealership's records for a period of 2 years after completion of the LSC*.

Your dealership must maintain the documents and records listed below to comply with the record retention and availability requirements required by West Virginia Division of Air Quality (WVDAQ) in its letter determining that the LSC is exempt from permitting requirements. The WVDAQ letter requires the owner or operator of an exempt air contaminant source or device to maintain the following records for two (2) years from the completion of the LSC:

(1) A brief overview of the LSC process; and

(2) Memorandum Documenting LSC's Potential to Emit; and

(3) LSC Equipment Manufacturer's Specifications; and

(4) Letter from WVDAQ confirming the LSC's eligibility for an exemption from Air Permitting Requirements under 45CSR13, dated April 29, 2009; and

(5) Material Safety Data Sheets for the LSC materials (NOTE: These should also be maintained with your other MSDSs, in compliance with OSHA requirements).

Notes:

I. You do not need to do anything with items (1) through (5) above. You should simply keep these documents in your files. You may need to provide them if requested by a government agency.

IMPORTANT – PLEASE READ

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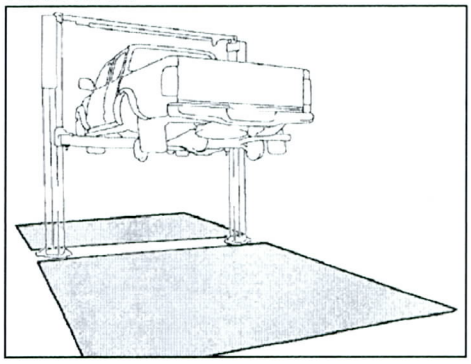
LSC PROCESS OVERVIEW:

All LSC activities will occur indoors at existing dealership service areas that comply with fire, zoning and building codes. The LSC will not require physical alterations to service areas and will consist of the two primary steps discussed below.

Truck on lift

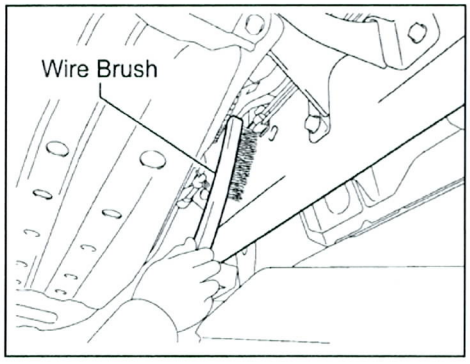


Step 1: Vehicle Preparation. *Dealers will employ the following procedures to prepare their service areas and vehicles for spraying.*

Initial setup of workspace. Locate dedicated work area in dealership's garage with a vehicle lift that is well ventilated, away from other vehicles, and can be sectioned off with temporary partitions. No physical alteration of the workspace or installation of new equipment is required for the LSC.

- *Place vehicle on lift*. Raise the vehicle using the vehicle lift; remove certain vehicle components (e.g., rear and spare tires); mask areas not to be sprayed.
- *Work area setup*. Place tarp beneath vehicle and set up temporary partitions around vehicle. Tarps are intended to capture limited overspray and to facilitate clean-up.
- *Clean frame*. Manually remove rust from frame using scraper, brush, and/or compressed air (steam clean if necessary). No chemicals or solvents will be used to clean the frames.

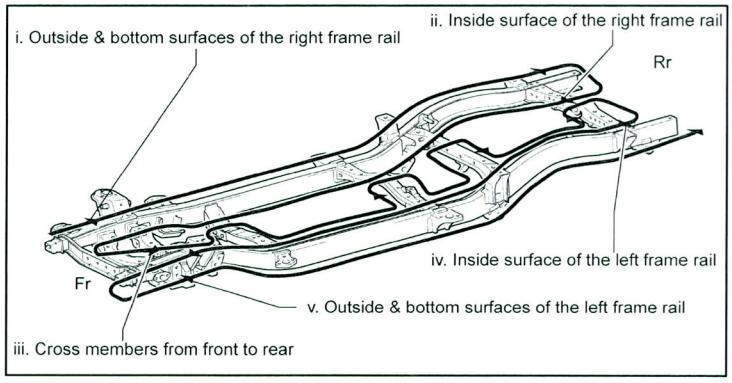
Frame being cleaned



Step 2: Material Application. *Dealers will apply the LSC anti-corrosion materials as follows:*

- *Apply 712AM*. Set up Vaupel spray gun and insert spray nozzle a specified distance into selected holes in the frame. Press spray gun trigger and pull out nozzle at fixed speed while spraying interior surface of frame. Refill spray gun with 712AM as needed until all two liters of material have been applied.
- *Apply X128T*. Set up spray gun and locate spray nozzle a specified distance from frame surface. Press spray gun trigger and spray X128T on external surface of frame by moving spray nozzle at fixed speed across frame. Refill spray gun with X128T as needed until all three liters of material are used.

External frame surfaces where X128T is applied



- *Final steps*. Reinstall components of vehicle, remove truck from lift, and spray X128T on areas of frame previously covered by lift. Allow 712AM and X128T to cure before returning vehicle to customer. Comply with any recordkeeping and material handling requirements.

EXPLANATION OF PTE & VOC/PM EMISSION FACTORS

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

DATE: 2009

SUBJECT: LIMITED SERVICE CAMPAIGN POTENTIAL-TO-EMIT – WEST VIRGINIA

As noted above, you can conduct the LSC and continue to stay exempt from air permitting as long as you conduct it in an existing area at your dealership. The West Virginia Division of Air Quality (WVDAQ) has determined that the LSC conducted at your dealership is exempt from air permitting requirements (*see* the letter from WVDAQ attached to the Air Recordkeeping Section). However, as a condition of its determination that the LSC is exempt, WVDAQ has required your dealership to maintain various records, including records documenting the LSC's potential to emit (PTE). This memo documents the LSC's PTE in West Virginia.

It has been determined that the LSC PTE at dealerships implementing the LSC in West Virginia for the duration of the program will be:

- Volatile Organic Compounds (VOCS) – 3.19 tons
  - Stoddard Solvent – 3.09 tons
- PM (including heavy petroleum compounds and other oils) – 0.074 tons
  - Calcium Carbonate – 0.0060 tons
  - Carbon Black – 0.00121 tons

In addition to the PTE for the contaminants above, it should be noted that the LSC materials do not result in the emission of any federally listed hazardous air pollutants (HAPs), SO_X, NO_X or lead, and therefore the PTE for those contaminants is zero.

If there are any questions regarding the LSC's PTE or if you would like additional information, please go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).

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OPERATING INSTRUCTIONS

CAVITY PRESSURE CONTAINER GUN 3300 HSDR

This gun may only be used for pressure containers which threads have a slot

Use as intended

- The CAVITY PRESSURE CONTAINER GUN is used for applying cavity spray products in conjunction with cavity spray tubes 3900 / 3901.

For your safety

- Hazard-free work with the device is only possible if you read the operating instructions and safety instructions through in full and strictly follow the instructions contained therein.
- Arrange to have practical instruction before your first use.
- Check the device before each use.
- Allow only a specialist to make repairs.
- Alteration or modification of the device is forbidden.
- Use only original accessories.
- Use the device only with the prescribed pressure.
- Do not spray into flames or onto glowing bodies.
- Working areas must be brightly lit, well ventilated and must conform to applicable health and work safety regulations.
- Do not inhale spray mist.
- Store the device and its accessories out of reach of children.

Device Characteristics

Max. Press. 8 bar ***Working Press. 2–6 bar***
Capacity 1 liter

Safety Instructions

- Check the gun for correct operation before use.
- The nozzle head **(19)** and ascending tube **(31)** must allow free flow.
- Check the gun for visible damage.
- When dealing with chemical materials, observe the
- appropriate guidelines and safety rules.

Start up

- Check line pressure in the compressed-air distribution system and adjust if necessary.
- For optimal operation of the compressed-air tool, clean, dry air is absolutely necessary.
  This can be provided by a water and oil separator integrated into the compressed-air system, which also considerably improves the spray behaviour.

Working Instructions / Application

- Fill the pressure container **(32)** with spray product.
- Immerse the pistol body with ascending tube into the spray product and screw the container to the underside of the gun.
- Insert cavity spray tube with round spray nozzle or cavity spray tube with angle nozzle and nipple into the quick coupling **(20)**.
- Connect the gun to the compressed-air supply.
  Depress the trigger to the first step and check whether spray air issues from the nozzle opening.
- Material flow rate is adjusted using the stop screw **(7)**.
  An optimal spray pattern for each material can be obtained with this adjustment.
- Insert the spray tube with round nozzle into the cavity and slowly withdraw it, while at the same time depressing the trigger. Release the trigger before the round nozzle leaves the cavity (this will interrupt material flow).
- When the spray tube with angle nozzle is inserted, surfaces can be sprayed.
- Make absolutely certain that the spray tubes are not bent.

When finished working

- Blow the cavity spray tube clear with air; for this, depress the trigger to the first step.
- Remove cavity spray tube; disconnect the device from the air supply.
- Release pressure from the gun; for this purpose, turn the pressure container to the left until air escapes.
- Store the device and its accessories out of reach of children.
- Store the gun only upright if material remains in the pressure tank.

Cleaning

- Clean the gun after each use with cleaning agent. (If the gun is to remain unused for an extended period of about 4 weeks).

Attention

- Store the spray tubes only when they are clean; otherwise the spray slits may become clogged due to drying of the material.

Faults

- Valve bolt **(8)** is stuck or does not close:
  Put oil on the valve bolt or into the air intake port of the gun. Depress the trigger **(2)** several times.
- Gun does not spray properly:
  Spray nozzle **(19)**, ascending tube **(31)**, cavity spray tube round spray or angle nozzle or gun **(1)** partly clogged.
  Remove deposits with cleaning agent.

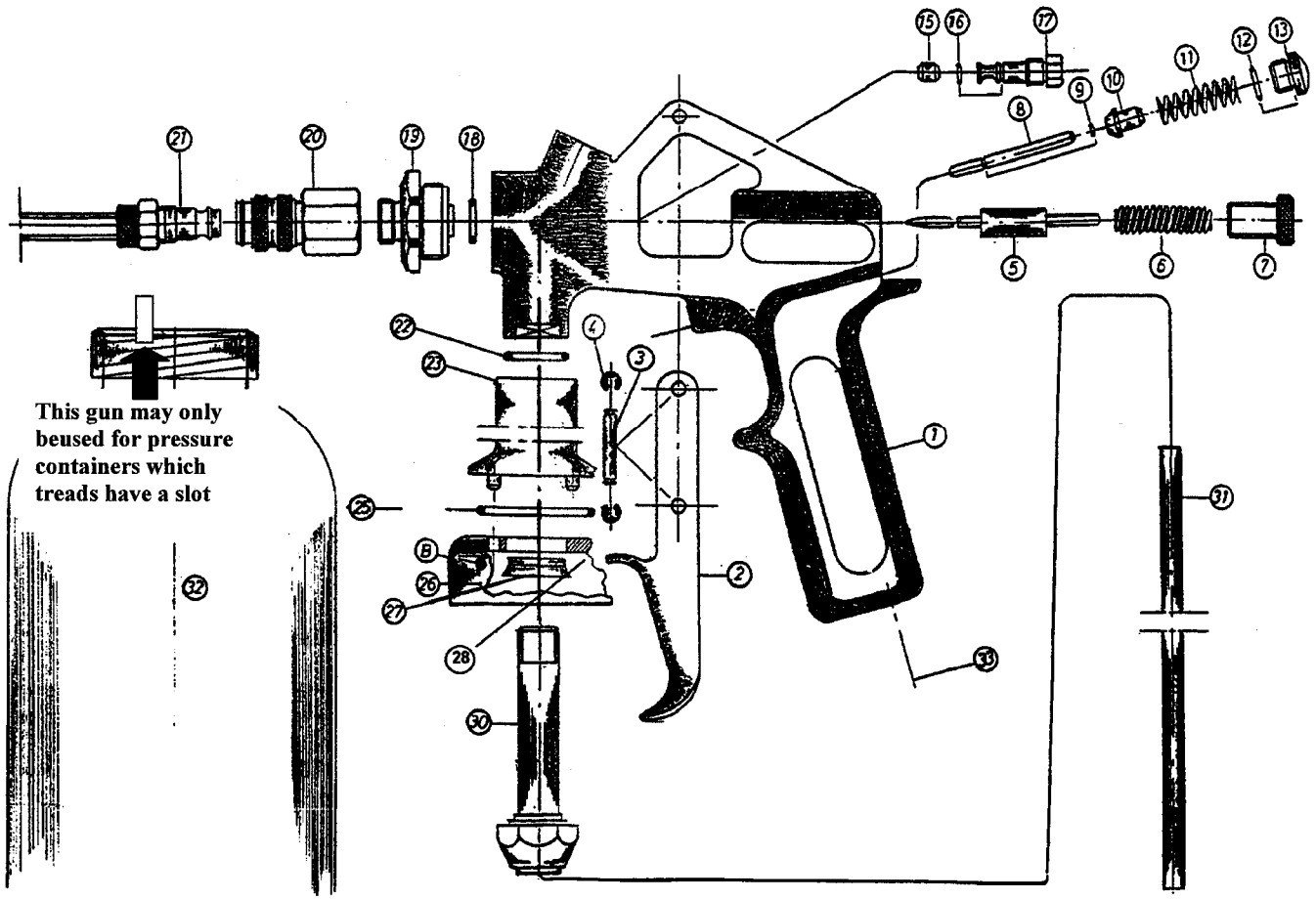
Environmental Protection

- The device, its accessories and packing material should be recycled in an environmentally correct manner.

Druckbehälterpistole
pressure container gun

3300 HSDR

1	10 2919 001	gun body
2	50 3909 005	trigger
3	30 1102 006	trigger axle
4	60 3100 029	clamping ring
5	S 83010	nozzle needle, cpl.
6	60 3104 007	spring f. nozzle needle
7	30 1122 005	stop screw
8	30 1104 008	valve bolt
9	60 4100 027	o-ring 1.5x0.75
10	40 4101 011	valve seal
11	60 3103 003	spring f. valve
12	60 4100 062	o-ring 8x1
13	30 1120 002	locking screw
14	----------	
15	40 4100 003	needle seal, teflon
16	60 4100 064	o-ring 5x1
17	30 1422 016	needle stuffing box
18	60 4100 066	o-ring 8x2.5
19	30 2122 005	spray nozzle
20	20 1413 001	quick coupling
21		Capity hose spray-set
22	60 4100 071	o-ring 15x2
23	40 4104 014	adaptor 3000
25	60 4100 072	o-ring 33x2
26	10 2111 014	pressure tank filler cap
27	60 4100 044	V-packing
28	60 4100 087	o-ring 35x4
29	----------	
30	S 83302	assembly screw
31	60 3129 014	ascending tube
32	S 83305	pressure tank
	S 83303	seal-set
	S 80151	flat-nozzle – plug cconnection



west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone 304/926-0475 • FAX: 304/926-0479

Joe Manchin, III, Governor
Randy C. Huffman, Cabinet Secretary
www.wvdep.org

April 29, 2009

Mr. Daniel E. Monette
National Manager, Environmental, Health and Safety
Toyota Motor Sales, U.S.A., Inc.
19001 South Western Ave.
Torrance, California 90501

RE: Permit Applicability Determination
Toyota Motor Sales, U.S.A., Inc.
Various Locations (See Below)
Determination No. PD09-027

Dear Mr. Monette:

It has been determined that a permit will not be required under 45CSR13 for your proposed "Limited Service Campaign" (LSC) to be potentially undertaken at all WV Toyota Dealerships. This determination covers only the implementation of the (LSC) at the list of dealerships included as Attachment 3 to your permit determination form (PDF) and a copy of which is included with this letter. Further, this determination is based on information included with your PDF dated April 16, 2009 and received on April 17, 2009, which indicates that the increase in emissions will not exceed two (2) lbs/hr OR five (5) tons/year of total Hazardous Air Pollutants (HAPs); six (6) lbs/hour AND ten (10) TPY of any regulated pollutant; or, trigger a substantive requirement of any State or Federal air quality regulation. The DAQ strongly suggests sending a copy of this determination to each of the dealerships on the Attachment 3 list with instructions to keep for the duration of the project.

Please bear in mind, however, that any changes to the proposed project that have the potential to increase emissions may invalidate this determination. Furthermore, pursuant to 45CSR13-5.14, records briefly describing the project, the pollutants involved, the potential to emit for each pollutant increased or added shall be maintained by the owner or operator for at least two years and made available to the Director upon request. Should you have any questions, please contact the undersigned engineer at (304) 926-0499 ext. 1219.

Sincerely,

Joe Kessler, PE
Engineer

c: Mr. Skip Kropp (via e-mail)
Jackson Kelly

MATERIAL SAFETY DATA SHEET

DAUBERT CHEMICAL COMPANY

4700 SOUTH CENTRAL AVENUE
CHICAGO, ILLINOIS 60638
TELEPHONE: (708) 496-7350
FAX: (708) 496-7367

EMERGENCY CONTACT:
CHEMTREC (800) 424-9300

HMIS HAZARD RATING	
HEALTH	1
FIRE	2
REACTIVITY	0
PERSONAL PROTECTION	D

Date of Review:
Date of Preparation: August 1, 2008

Revised: December 4, 2008
By: M. Longo

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **NOX-RUST® X128T**
Chemical Family: Petroleum Solvent/Additive Blend
Material Usage: Corrosion Preventive Compound

EMERGENCY OVERVIEW: Petroleum solvent-based product with solvent odor. Combustible liquid; when product burns it releases typical hydrocarbon products of combustion. Refer to Section 3 for health effects and to Section 5 for fire hazard data.

SECTION 2: HAZARDOUS INGREDIENTS

Component	Wt%	Recommended Exposure Limits (TWA)
Aliphatic Petroleum Solvent CAS #64742-88-7 and/or #64742-47-8 and/or #8052-41-3	40-50	OSHA PEL: 100 ppm ACGIH TLV: 100 ppm ACGIH STEL: 200 ppm
Petroleum Hydrocarbon (Petrolatum) CAS #8009-03-8	20-25	OSHA PEL: 2 mg/m^3 ACGIH TLV: 2 mg/m^3 (for fumes)
Petroleum Wax CAS #64742-42-3	6-10	OSHA PEL: Not Established ACGIH TLV: 2 mg/m^3(fumes)
[1]Calcium Carbonate CAS #1317-65-3 and/or CAS #471-34-1	2-4	OSHA PEL:5 mg/m^3(respirable fraction) OSHA PEL: 15 mg/m^3(total dust) ACGIH TLV:10 mg/m^3 ([2]nuisance dust)
[1]Carbon Black CAS #1333-86-4	<1	OSHA:PEL: 3.5 mg/m^3 ([2]nuisance dust) ACGIH TLV: None Established

[1]See Section 3.
[2]This component poses a hazard only if the liquid dries and a dust is formed.

SECTION 3: HEALTH HAZARD INFORMATION

Primary Routes of Entry: Inhalation, skin absorption.
Acute Effects: Excessive inhalation may produce dizziness, nausea, headache, and incoordination. May cause severe eye irritation and reversible skin irritation. Prolonged skin exposure may cause dermatitis or oil acne. Breathing mists may cause dizziness or pulmonary irritation.
Carcinogenicity: Calcium carbonate, the product itself, is not listed by NTP, IARC, or OSHA as a carcinogen. There are no reported health effects associated with prolonged exposure to pure calcium carbonate. This product contains variable quantities of crystalline silica (quartz), which is considered a hazard by inhalation. IARC has classified crystalline silica as probably carcinogenic for humans (2A). This classification is based on the findings of laboratory animal studies that were considered to provide sufficient evidence and data from human epidemiological studies that were considered to provide limited evidence for carcinogenicity. Crystalline silica is also a known cause of silicosis, a noncancerous lung disease. NTP and OSHA have not classified crystalline silica as a carcinogen.
Carbon black has been classified by IRAC as a Category 2B (known animal carcinogen, possible human carcinogen) material. This was based on the results of rat inhalation studies of carbon black, despite the lack of parallel evidence on humans or other animal species.
Pre-Existing Medical Conditions Aggravated by Exposure: Exposure may aggravate pre-existing respiratory or skin problems.

SECTION 4: FIRST AID PROCEDURES

Inhalation: Move victim to fresh air and call emergency medical care. If not breathing, give artificial respiration; if breathing is difficult, give oxygen.
Eyes: In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention.
Skin: Wash skin with soap and water. Remove and isolate contaminated clothing and shoes at the site.
Ingestion: DO NOT INDUCE VOMITING. Consult a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point: 105°F. (TCC)
Explosive Limits: LEL: 0.6 UEL: 7.0

EXTINGUISHING MEDIA: Small Fires: Dry chemical, CO_2, water spray, or regular foam. Large Fires: Water spray, fog, or regular foam. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks. For massive fire in cargo area, use unmanned hose holder or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.
Special Firefighting Protection/Emergency Action: Fire may produce irritating or poisonous gases. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Isolate for 1/2 mile in all directions if tank, rail car or tank truck is involved in fire. If runoff from fire control occurs, notify the appropriate authorities.
Unusual Fire/Explosion Hazards: Flammable/combustible material; may be ignited by heat, sparks or flames. Vapors may travel to a source of ignition and flash back. Container may explode in heat of fire. Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.
Products of Combustion: Carbon monoxide, carbon dioxide, oxides of sulfur, miscellaneous hydrocarbons.

SECTION 6: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case Material is Released or Spilled: Shut off ignition sources; no flares, smoking or flames in hazard area. Stop leak if you can do it without risk.
Small Spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal.
Large Spills: Dike far ahead of liquid spill for later disposal.

SECTION 7: SAFE HANDLING INFORMATION

Precautions To Be Taken In Handling/Storage: Store in cool, well-ventilated area. Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty containers can contain explosive vapors.
Other Precautions: Never wear contaminated clothing. Launder or dry clean before wearing. Discard oil-soaked shoes. Wash thoroughly with soap and water (waterless hand cleaner may be helpful in removing residues) after use and before smoking or eating. Avoid excessive skin contact.

SECTION 8: EXPOSURE CONTROLS

Respiratory Protection: NIOSH-approved respirator for organic vapor and mist to control exposure where ventilation is inadequate.
Ventilation: General and local exhaust.
Personal Protective Equipment: Protective Gloves: Impervious gloves (Viton, PVOH, etc.) Eye Protection: Safety glasses with sideshields or chemical goggles. Other Protective Clothing or Equipment: If splashing is anticipated, wear rubber apron and boots or other protective equipment to minimize contact.

SECTION 9: REACTIVITY HAZARD DATA

Stability: Stable
Incompatibility: Strong acids, oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of sulfur, miscellaneous hydrocarbons.
Hazardous Polymerization: Will not occur.

SECTION 10: PHYSICAL AND CHEMICAL PROPERTIES

Color:	Black
Appearance:	Viscous Liquid
Odor:	Petroleum Solvent
Boiling Point (initial):	>300°F
Evaporation Rate (n-Butyl Acetate= 1) :	<1
Vapor Pressure (mmHg @ 20°C):	3.4
Vapor Density (air= 1) :	>1
Solubility in Water:	Negligible
Specific Gravity:	0.88
pH:	Not Applicable
Percent Volatile by Volume:	53

SECTION 11: DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with state, local and federal regulations. Materials may become a hazardous waste through use. If permitted, incineration may be practiced. Consider recycling solvent.

SECTION 12: REGULATORY INFORMATION

Volatile Organic Content: (Calculated Values)

VOC per gallon:	3.5 lbs/gal
VOC per gallon minus exempt solvents and water:	3.5 lbs/gal
EPA Hazardous Waste Number(s) (40CFR Part 261):	D001
EPA Hazard Category (40CFR Part 370):	DELAYED (CHRONIC) FIRE HAZARD (COMBUSTIBLE)

SARA TITLE III

This product contains the following TOXIC CHEMICALS subject to the *Reporting Requirements of Sec. 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and of 40CFR Part 372:*

CHEMICAL	CAS NO.	WT %
NONE		

This product contains the following EXTREMELY HAZARDOUS SUBSTANCE(S) subject to the *Emergency Planning Requirements under Sec. 301-303 (40CFR Parts 300 and 355) and Emergency Release Notification Requirements under Sec. 304:*

CHEMICAL	CAS NO.	WT %	RQ/TPQ Lbs
NONE			

(CERCLA LIST) This product contains the following HAZARDOUS SUBSTANCE(S) subject to *Emergency Release Notification Requirements under Sec. 304 (40 CFR Part 302)*:

CHEMICAL	CAS NO.	WT %	Final RQ Lbs
Aliphatic Petroleum Solvent	64742-88-7, 64742-47-8, 8052-41-3	40-50	100

CALIFORNIA PROPOSITION 65

This product may contain trace quantities of chemicals that are identified by the State of California under the Safe Drinking Water and Toxic Reinforcement Act of 1986 ("Proposition 65") as either a carcinogenic or reproductive hazard:

CHEMICAL	CAS NO.	Estimated Concentration %
Crystalline Silica *(Naturally occurring in mined calcium carbonate)*	14808-60-7	.03 max
Carbon Black *(Crystalline Silica and carbon black only present hazards as respirable particles of 10 microns or less. Both are bound in the coating and will not be released as respirable particles.)*	1333-86-4	<1

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.

MATERIAL SAFETY DATA SHEET

MANUFACTURED BY
PARKER INDUSTRIES

Nox-Rust® is a registered trademark of Daubert Chemical Company and is used pursuant to license.

DAUBERT CHEMICAL COMPANY
4700 SOUTH CENTRAL AVENUE
CHICAGO, ILLINOIS 60638
TELEPHONE: (708) 496-7350
FAX: (708) 496-7367

EMERGENCY CONTACT:
CHEMTREC (800) 424-9300

HMIS HAZARD RATING

HEALTH	1
FIRE	1
REACTIVITY	0
PERSONAL PROTECTION	B

Date of Review:	Revised: March 11, 2009
Date of Preparation: November 14, 2007	By: R. Lauterbach

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **Nox-Rust® 712AM**
Chemical Family: Petroleum oil/additive blend
Material Usage: Corrosion Preventive Compound

EMERGENCY OVERVIEW: Petroleum oil-based product. When product burns it releases typical hydrocarbon products of combustion. Refer to Section 3 for health effects and to Section 5 for fire hazard data.

SECTION 2: HAZARDOUS INGREDIENTS

Component	Wt%	Recommended Exposure Limits (TWA)
Microcrystalline wax CAS #64742-42-3	5-10	ACGIH TLV: 2 mg/m^3 OSHA PEL: 2 mg/m^3
Petroleum distillates, solvent dewaxed heavy paraffinic CAS #64742-65-0	5-15	ACGIH TLV: 5 mg/m^3 OSHA PEL: 5 mg/m^3
Sulfonic acids, petroleum, Calcium salts, overbased CAS #68783-96-0	5-15	ACGIH TLV: 5 mg/m^3 (oil mist) OSHA PEL: 5 mg/m^3 (oil mist)
White mineral oil, petroleum CAS #8042-47-5	50-60	ACGIH TLV: 5 mg/m^3 (oil mist) OSHA PEL: 5 mg/m^3 (oil mist)
Bentonite, quaternary ammonium compound modified CAS# 68953-58-2	0.3-1.0	Not established

Soybean oil polymer with isophthalic acid and pentaerythritol CAS# 66071-86-1	0.4-4	Not established
Castor oil, dehydrated, polymerized CAS# 68038-02-8	5-15	Not established
Calcium Carbonate CAS #471-34-1	5-10	OSHA PEL: 5 mg/m^3 (respirable fraction) OSHA PEL: 15 mg/m^3 (total dust) ACGIH TLV: 10 mg/m^3 ([2] nuisance dust)

[2] This component poses a hazard only if a dust is formed, i.e., by sawing, sanding, drilling, etc.

SECTION 3: HEALTH HAZARD INFORMATION

Primary Routes of Entry: Skin absorption, eyes (splashing).
Acute Effects: May cause eye irritation and reversible skin irritation. Prolonged skin exposure may cause dermatitis or oil acne. Breathing mists may cause dizziness or pulmonary irritation.
Chronic Overexposure:
Carcinogenicity: None of the components of this product are listed as carcinogens by NTP, IARC, or OSHA 1910(Z).
Pre-Existing Medical Conditions Aggravated by Exposure: Exposure may aggravate pre-existing respiratory or skin problems.

SECTION 4: FIRST AID PROCEDURES

Inhalation (mist): Move victim to fresh air and call emergency medical care. If not breathing, give artificial respiration; if breathing is difficult, give oxygen.
Eyes: In case of contact with material, immediately flush eyes with running water for at least 15 minutes. Seek immediate medical attention.
Skin: Wash skin with soap and water. Remove and isolate contaminated clothing and shoes at the site.
Ingestion: DO NOT INDUCE VOMITING. Consult a physician. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point: >200°C (TCC)
Explosive Limits: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Small Fires: Dry chemical, CO_2, water spray, or regular foam. Large Fires: Water spray, fog, or regular foam. Move container from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Stay away from ends of tanks. For massive fire in cargo area, use unmanned hose holder or monitor nozzles. If this is impossible, withdraw from area and let fire burn. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tank due to fire.
Special Firefighting Protection/Emergency Action: Fire may produce irritating or poisonous gases. Positive pressure self-contained breathing apparatus (SCBA) and structural firefighters' protective clothing will provide limited protection. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas. Isolate for 1/2 mile in all directions if tank, rail car or tank truck is involved in fire. If runoff from fire control occurs, notify the appropriate authorities.
Unusual Fire/Explosion Hazards: Combustible material; may be ignited by flames. Container may explode in heat of fire.
Products of Combustion: Carbon monoxide, carbon dioxide, oxides of sulfur, miscellaneous hydrocarbons.

SECTION 6: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Steps to be taken in case Material is Released or Spilled: Shut off ignition sources; no flares, smoking or flames in hazard area. Stop leak if you can do it without risk.
Small Spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal.
Large Spills: Dike far ahead of liquid spill for later disposal.

SECTION 7: SAFE HANDLING INFORMATION

Precautions To Be Taken In Handling/Storage: Store in cool, well-ventilated area. Keep away from flames. Never use a torch to cut or weld on or near container.
Other Precautions: Never wear contaminated clothing. Launder or dry clean before wearing. Discard oil-soaked shoes. Wash thoroughly with soap and water (waterless hand cleaner may be helpful in removing residues) after use and before smoking or eating. Avoid excessive skin contact.

SECTION 8: EXPOSURE CONTROLS

Respiratory Protection: NIOSH-approved respirator for organic vapor and mist to control exposure where ventilation is inadequate.
Ventilation: General and local exhaust.
Personal Protective Equipment: Protective Gloves: Impervious gloves (Viton, PVOH, etc.) Eye Protection: Safety glasses with sideshields or chemical goggles. Other Protective Clothing or Equipment: If splashing is anticipated, wear rubber apron and boots or other protective equipment to minimize contact.

SECTION 9: REACTIVITY HAZARD DATA

Stability: Stable
Incompatibility: Strong acids, oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, oxides of sulfur, miscellaneous hydrocarbons.
Hazardous Polymerization: Will not occur.

SECTION 10: PHYSICAL AND CHEMICAL PROPERTIES

Color:	Tan
Appearance:	Viscous Liquid
Odor:	Oil
Boiling Point (initial):	NA
Evaporation Rate (n-Butyl Acetate=1):	<<1
Vapor Pressure (mmHg @ 20°C):	3.4
Vapor Density (air=1):	NA
Solubility in Water:	Not Determined
Specific Gravity:	.9-1.0
pH:	Not Applicable
Percent Volatile by Volume:	0

SECTION 11: DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with state, local and federal regulations. Materials may become a hazardous waste through use. If permitted, incineration may be practiced. Consider recycling solvent.

SECTION 12: REGULATORY INFORMATION

Volatile Organic Content: (EPA Method 24)
VOC per gallon: 0.165 lbs/gal

EPA Hazardous Waste Number(s) (40CFR Part 261): D001
EPA Hazard Category (40CFR Part 370): DELAYED (CHRONIC)

SARA TITLE III
This product contains the following TOXIC CHEMICALS subject to the *Reporting Requirements of Sec. 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986, and of 40CFR Part 372:*

CHEMICAL	CAS NO.	WT %
NONE		

This product contains the following EXTREMELY HAZARDOUS SUBSTANCE(S) subject to the *Emergency Planning Requirements under Sec. 301-303 (40CFR Parts 300 and 355) and Emergency Release Notification Requirements under Sec. 304:*

CHEMICAL	CAS NO.	WT %	RQ/TPQ Lbs
NONE			

(CERCLA LIST) This product contains the following HAZARDOUS SUBSTANCE(S) subject to *Emergency Release Notification Requirements under Sec. 304 (40 CFR Part 302)*:

CHEMICAL	CAS NO.	WT %	Final RQ Lbs
NONE			

CALIFORNIA PROPOSITION 65
This product may contain trace quantities of the following chemicals that are identified by the State of California under the Safe Drinking Water and Toxic Reinforcement Act of 1986 ("Proposition 65") as either a carcinogenic or reproductive hazard:

CHEMICAL	CAS NO.	Estimated Concentration %
NONE		

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.

LSC 90D - LIMITED SERVICE CAMPAIGN FOR
2001 - 2004 MODEL YEAR TACOMAS

WEST VIRGINIA DEALER INFORMATION PACKET
FEDERAL, STATE AND LOCAL REQUIREMENTS GUIDE
FIRE, BUILDING AND ZONING CODES SECTION

Please review the entire Information Packet – including this Fire, Building and Zoning Codes Section – with your Service and Parts staff.

In addition to the requirements identified in other Sections, your dealership must comply with any applicable state and local fire code, building and zoning requirements. This Section discusses how to comply with these requirements.

Where Will You Conduct The LSC? *This Section assumes that you will conduct the LSC in an existing area at your dealership. If you plan to conduct the LSC elsewhere*, please discontinue reading this Section and go to the C.L.E.A.N. Dealer website at http://cleandealer.com and select the LSC-90D link or call the C.L.E.A.N. Dealer EH&S Hotline at *877-572-4347*.

BEFORE you begin applying LSC materials, you must do BOTH of the following:

1. **Contact your local fire official in order to: (A) provide information about the LSC; and (B) confirm, in writing, that a permit is not required, or obtain a permit if one is required.**

   Appendix A to this Section contains a model letter and all of the technical information you will need to provide to your local fire official, except you will need to add some descriptive information about the location where you will conduct the LSC. Appendix A also includes a Determination of Compliance with the West Virginia State Fire Code prepared by Commercial Construction Consulting, Inc. ("C3"), a professional consulting firm retained by TMS. TMS has already given this determination to the West Virginia State Fire Marshal who concurred with C3's determination that the LSC complies with the West Virginia State Fire Code. A copy of the State Fire Marshal's concurrence is attached as well.

   You should include **all of these materials** with the model letter you send to your local fire official. To identify your local fire official go to Table 1 (starting at page 45).

2. **Confirm that you can conduct the LSC in compliance with applicable fire code, building, and zoning requirements.**

   Locate your city/town/county on Table 1 (starting at page 45) to see whether it has any additional building or zoning requirements applicable to the LSC and contract your local officials as indicated.

SUMMARY OF APPLICABLE STATE REQUIREMENTS

A. **Fire Code**[3]

1. The LSC does not require a state fire permit under the state fire code. Appendix A contains a concurrence from the West Virginia State Fire Marshal that the LSC complies with the State Fire Code. **However, the LSC may trigger procedures for review and permitting by your local fire official.**

Regulatory Note: Your dealership is assumed to comply already with existing fire code requirements (e.g., sprinkler systems, ventilation, etc.) applicable to your dealership.

IMPORTANT! – FIRE CODE INFORMATION

In addition to permitting requirements, you must also comply with items 2 and 3 below as part of your implementation of the LSC.

2. The LSC must be conducted consistent with state laws regarding ventilation and fire suppression controls, which require:

   a. Adequate ventilation in the service area that meets fire and building code requirements where the LSC is conducted; **and**

   b. No open flames or spark-producing equipment or appliances are permitted within 20 ft of the LSC operations; **and**

   c. No drying, curing, or fusion apparatus is permitted within 20 ft of the LSC operations; **and**

   d. No material with a flash point less than 37.8˚C (100˚F) (**Note**: Each of the LSC's anti-corrosion materials that you are being provided – interior and exterior – satisfy this requirement); **and**

   e. No solvents with a flash point less than 37.8˚C (100˚F); **and**

   f. LSC materials should be sufficiently dry and cool before the vehicle engine is started.

Technical Note: *If you have a question about whether your plans for conducting the LSC will satisfy any of these requirements, please go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).*

[3] West Virginia has adopted the National Fire Protection Association's Uniform Fire Code – NFPA 1 (2004/2005 ed.).

3. Both LSC materials are combustible;[4] therefore:

   a. **DO NOT store more than 25 gallons of the LSC materials and any other regulated flammable or combustible materials in any one fire area**; otherwise you will be subject to additional requirements; or

   b. **If you store more than 25 gallons** of regulated flammable or combustible materials in any one fire area, then **you must** use a fire cabinet.

      (1) A single fire cabinet may hold up to 120 gallons.

      (2) Your dealership may only have up to three fire cabinets in each fire area, each of which may hold up to 120 gallons. If you store at these levels (3 X 120 gals = 360 gals) you should confirm with your local fire official that such storage at these level does not require an operational permit in your locality.

Technical Note: If you are planning on conducting the LSC in an area with a non-combustible floor (e.g., made of concrete), you may use standard plastic sheeting as described in the ***Technical Instructions****. However, if the area where the LSC will be conducted has a floor made of combustible materials (e.g., wood), then the area must be covered by an approved, noncombustible, nonsparking, fire retardant materia****l.***

(Go to Next Page for Building Code Discussion)

[4] As defined by NFPA 1 adopted by West Virginia. The Nox-Rust® 712AM is a Class IIIB combustible (Flash point >200° F) and has an HMIS fire hazard rating 1. The Nox-Rust® X128T is a Class II combustible (Flash point 105° F) and has HMIS fire hazard rating 2.

B. **Building Code**[5]

1. The LSC should not require a building permit under the state building code **because adding the LSC would not "construct, enlarge, alter, repair, move, demolish, or change the occupancy of [your] building," nor does it "erect, install, enlarge, alter, repair, remove, convert or replace any electrical, gas, mechanical or plumbing system." (NOTE: Local codes might impose building permit requirements, as noted below.)**[6]

Regulatory Note: *It is assumed that your dealership:*

(i) complies already with building code requirements (for example, it is assumed that your dealership has a valid certificate of occupancy, meets the requirements for fire protection specified for repair garages and meets the mechanical ventilation requirements specified for repair garages); and

(ii) does not require any building, electrical, gas, plumbing or mechanical system modifications for the LSC.

If these assumptions do not apply, please go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (877-572-4347).

[5] West Virginia has adopted the following codes: International Building Code (2003); International Plumbing Code (2003)*; International Mechanical Code (2003); International Energy Conservation Code (2006)*; the Fire/Life Safety Code (NFPA 2004/2005) and the National Electric Code (NEC) and NFPA 70*. West Virginia's building code, by definition, does not adopt any other national or model code solely by virtue of a cross-reference in the codes listed above, unless such cross referenced codes are expressly adopted by the State code. (**Code likely does not contain requirements applicable to LSC*).

[6] In particular, the application of the anti-corrosion material being used for the LSC should not trigger any requirements for changes or modifications to the electrical wiring. These materials are not flammable and will not create a flammable vapor area, and the overspray will be controlled with a temporary barrier. Moreover, the characteristics of the materials and the application process will generate limited overspray.

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II. SUMMARY OF APPLICABLE LOCAL REQUIREMENTS

Table 1 below identifies the local requirements applicable to the LSC (if any). It is organized by the city/local jurisdiction where your dealership is located. ***IF THE LOCALITY WHERE YOU PLAN TO CONDUCT THE LSC IS NOT LISTED IN TABLE 1 (STARTING AT PAGE 45), PLEASE GO TO THE C.L.E.A.N. DEALER WEBSITE (HTTP://CLEANDEALER.COM) OR CALL THE EH&S HOTLINE (877-572-4347).*** The sections below briefly review these requirements.

IMPORTANT REMINDER: You must contact your local fire official and provide information about the LSC prior to commencing LSC activities. BEFORE contacting your local fire official, your dealership should determine that it complies with the ventilation, storage, and spray space requirements for your jurisdiction. You should use the materials in Appendix A to contact your local fire official.

Regulatory Note – Regarding Conditional Use Permits: If your dealership operates pursuant to a conditional use permit, special exception, or other special use permit, you must determine whether that permit prohibits the LSC process or considers it a "change in use" because, if so, then you may need a permit amendment. If you have any questions about zoning requirements, please go to the C.L.E.A.N. Dealer website (http://cleandealer.com) or call the EH&S Hotline (*877-572-4347*).

Regulatory Note – Other Generally Applicable Local Laws And Regulations: This Guide does not address other local laws and regulations that may apply generally to your dealership's operations. Such laws and regulations may impose, among other requirements, general housekeeping and/or performance standards that require you to safeguard against improper release of materials that may pose health or environmental risks and to clean up (and report to appropriate authorities) any such improper release.

Unless noted in Table 1, your dealership is likely not subject to additional requirements under local zoning and building codes as a result of the LSC. However, should the need arise to discuss the LSC with your local authorities (in addition to the fire official), the information assembled in Appendix A can be used for that purpose as well.

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Table 1: Code Summary for West Virginia Locations

Location	Local Fire Code Official and Fire Code Jurisdiction	Other Local Requirements
West Virginia (State)	**Note: West Virginia State Fire Code=NFPA Jurisdiction**	West Virginia adopts the entire series of NFPA codes including NFPA-1 and NFPA 33.
Village of Barboursville	**Phil Kincaid,** **Fire Chief** Barboursville Volunteer Fire Dept, Inc 721 Central Avenue PO Box 325 Barboursville, WV 25504 (304) 736-7420 **NFPA Jurisdiction -** Materials to contact local fire official are found in **Appendix A**.	
City of Beckley	**Kevin Price** **Captain, Fire Prevention Officer** Beckley Fire Department PO Box 2514, Beckley WV 25802 (304) 256-1780 (main) **NFPA Jurisdiction -** Materials to contact local fire official are found in **Appendix A**	You should verify that the LSC will not constitute a change in use or impermissible use under your dealership's zoning permit or other land use approvals, if applicable. **Contact** City of Beckley Code Enforcement City Hall, Beckley, WV 25801 304-256-1737
City of Charleston	**Carl Beaver** **Captain, Fire Prevention** 808 Virginia St West Charleston, WV 25302 (304) 348-8098	You should verify that the LSC will not constitute a change in use or impermissible use under your dealership's zoning permit or other land use approvals, if applicable. **Contact** Dan Vriendt, Planning Director

Table 1: Code Summary for West Virginia Locations

Location	Local Fire Code Official and Fire Code Jurisdiction	Other Local Requirements
West Virginia (State)	**Note: West Virginia State Fire Code=NFPA Jurisdiction**	West Virginia adopts the entire series of NFPA codes including NFPA-1 and NFPA 33.
Village of Barboursville	**Phil Kincaid,** **Fire Chief** Barboursville Volunteer Fire Dept, Inc 721 Central Avenue PO Box 325 Barboursville, WV 25504 (304) 736-7420 **NFPA Jurisdiction -** Materials to contact local fire official are found in **Appendix A**.	
City of Beckley	**Kevin Price** **Captain, Fire Prevention Officer** Beckley Fire Department PO Box 2514, Beckley WV 25802 (304) 256-1780 (main) **NFPA Jurisdiction -** Materials to contact local fire official are found in **Appendix A**	You should verify that the LSC will not constitute a change in use or impermissible use under your dealership's zoning permit or other land use approvals, if applicable. **Contact** City of Beckley Code Enforcement City Hall, Beckley, WV 25801 304-256-1737
City of Charleston	**Carl Beaver** **Captain, Fire Prevention** 808 Virginia St West Charleston, WV 25302 (304) 348-8098	You should verify that the LSC will not constitute a change in use or impermissible use under your dealership's zoning permit or other land use approvals, if applicable. **Contact** Dan Vriendt, Planning Director

Location	Local Fire Code Official and Fire Code Jurisdiction	Other Local Requirements
Mercer County	**Norman Fetterman, Assistant State Fire Marshal** Plans & Review Section 1207 Quarrier St., 2nd Floor Charleston, WV 25301 (304) 558-2191 ext 53218 **NFPA Jurisdiction (under State Fire Marshal) -** Materials to contact fire official are found in **Appendix A**.	You should verify that the LSC will not constitute a change in use or impermissible use under your dealership's zoning permit or other land use approvals, if applicable. **Contact** Vicky Reed Mercer County Commissioner's Office 304-487-8306
Monongalia County	**Ryan Thorne Emergency Management Coordinator** 74 Vandervort Dr, Morgantown WV 26505 (304) 598-0301 **NFPA Jurisdiction -** Materials to contact local fire official are found in **Appendix A**	You should verify that the LSC will not constitute a change in use or impermissible use under your dealership's zoning permit or other land use approvals, if applicable. **Contact** Monongalia County Planning Office 180 Hart Field Road Morgantown , WV 26505 Phone: 304-291-9572 Fax: 304-291-9573
City of Parkersburg WV	**Mike Beckett Inspector, Fire Prevention** 1 Government Square, P.O. Box 1627, Parkersburg, WV 26102 (304) 424-8522	You should verify that the LSC will not constitute a change in use or impermissible use under your dealership's zoning permit or other land use approvals, if applicable. **Contact** Planning and Zoning Information 1 Government Sq

Location	Local Fire Code Official and Fire Code Jurisdiction	Other Local Requirements
	NFPA Jurisdiction - Materials to contact local fire official are found in **Appendix A**.	Parkersburg, WV 26101 (304) 424-8477
City of St. Albans	**Stephen Parsons** **Fire Chief** Saint Albans Fire Department 51 Sixth Ave St Albans WV 25177 (304) 727-2253 **NFPA Jurisdiction -** Materials to contact local fire official are found in **Appendix A**.	You should verify that the LSC will not constitute a change in use or impermissible use under your dealership's zoning permit or other land use approvals, if applicable. **Contact** St. Albans Building Department 1499 MacCorkle Avenue, St. Albans, WV 25177 304- 727-2962
Upshur County	**Norman Fetterman,** **Assistant State Fire Marshal** Plans & Review Section 1207 Quarrier St., 2nd Floor Charleston, WV 25301 (304) 558-2191 ext 53218 **NFPA Jurisdiction (under State Fire Marshal) -** Materials to contact fire official are found in **Appendix A**.	You should verify that the LSC will not constitute a change in use or impermissible use under your dealership's zoning permit or other land use approvals, if applicable. **Contact** Upshur County Courthouse - 40 West Main Street Annex - 38 West Main Street Buckhannon, West Virginia 26201
City of Wheeling	**Larry Helms,** **Fire Chief** Wheeling Fire Department 1500 Chapline Street Wheeling, WV 26003	You should verify that the LSC will not constitute a change in use or impermissible use under your dealership's zoning permit or other land use approvals, if applicable. **Contact** Planning and Zoning

IMPORTANT – PLEASE READ

Location	Local Fire Code Official and Fire Code Jurisdiction	Other Local Requirements
	(304) 234-3727 **NFPA Jurisdiction** Materials to contact local fire official are found in **Appendix A**.	City-County Building 1500 Chapline Street — Room 305 Wheeling, WV 26003 Phone: (304) 234-3701
White Hall	**Norman Fetterman, Assistant State Fire Marshal** Plans & Review Section 1207 Quarrier St., 2nd Floor Charleston, WV 25301 (304) 558-2191 ext 53218 **NFPA Jurisdiction (under State Fire Marshal) -** Materials to contact fire official are found in **Appendix A**.	

IMPORTANT – PLEASE READ

APPENDIX A

Materials to Demonstrate Compliance with the West Virginia State Fire Code Requirements

Compliance Information

&

Model Letter, C3 Determination of Compliance with West Virginia State Fire, Building, and Mechanical Codes, LSC Operation Description, and Concurrence from West Virginia State Fire Marshal to be submitted to Local Fire Official

(Electronic copies or available on the C.L.E.A.N. Dealer website - http://cleandealer.com)

Appendix A1: West Virginia State Fire Code-Summary of Fire Code Requirements

Your local jurisdiction is subject to the West Virginia State Fire Code (based on NFPA 1).

- **Before you begin conducting the LSC, you will need to confirm in writing with the local fire official that a permit is not required or, if one is required, obtain it.** Under the West Virginia State Fire Code, your local fire official generally makes the initial determination of compliance with the fire code and has the authority to require plans and specifications to ensure compliance with applicable codes and standards, and may require an operating permit for LSC spraying and storing operations.
- **To assist you with contacting your local fire official, Appendix A2 contains (1) a model cover letter, (2) a "Determination of Compliance" letter prepared by C^3, (3) a letter from the West Virginia State Fire Marshal confirming C3's determination that the LSC is compliant with State Fire Code requirements, and (4) a background information sheet that explains the LSC.** (Note: Electronic copies of these materials can found on the C.L.E.A.N. Dealer website - *http://cleandealer.com*.)
- **You should do the following:**
    - Address the model letter to your local fire official and put it on your dealership's letterhead. (See Table 1 beginning at page 45.)
    - Review the background information sheet and complete it by adding facility-specific information, including descriptions of the:
        - Service area where the LSC will be conducted;
        - Storage area to be used for LSC materials; and
        - Ventilation system in the area where the LSC will be conducted.
    - **Remember - Enclose the following with the cover letter to the fire official:**
        - The **Determination of Compliance letter prepared by C^3**;
        - The **State Fire Marshal's Letter confirming the LSC's compliance with the West Virginia Fire Code;**
        - The **completed dealership information sheet** from Appendix A2.
        - **Copies of the Material Safety Data Sheets (MSDSs)** for the NOX-Rust® 712AM and NOX-Rust® X128T materials (provided in the Air Recordkeeping Section of this Guide and on the C.L.E.A.N. Dealer website - *http://cleandealer.com*).
    - Make a copy of the letter and attachments for your records before submitting to the local fire official.
    - You may wish to consider calling your local fire code official before submitting the letter and attachments to let them know you will be making the submission.

IMPORTANT: To avoid confusion, make sure to send the letter and attachments to ensure that the fire official has more than a verbal description of the LSC.

APPENDIX A2: Model Letter for NFPA Jurisdictions and LSC Process Information to be included with Letter

Electronic Copy of Letter and Attachments are available on the on the C.L.E.A.N. Dealer website - http://cleandealer.com.

[DEALER LETTERHEAD]

[Insert Local Fire Official Contact Information from Table 1 (pg 45)]

Re: **REQUEST FOR APPROVAL TO ENGAGE IN A LIMITED SPRAY OPERATION IN THE EXISTING SERVICE BAY OF [LOCAL DEALERSHIP]**

Dear _____:

As you may know, Toyota is implementing a limited service campaign ("LSC") for the frames of a select number of Toyota vehicles. Toyota has asked our dealership to take part in this LSC. We are writing to provide you with information about the LSC process and to request your approval for us to proceed.

The LSC will involve the spray application of two materials, neither of which is a flammable material as defined by the West Virginia State Fire Code. The attached materials describe the LSC process, as well as descriptions of the materials that will be used, the material safety data sheets ("MSDSs"), the method of transferring those materials, and an explanation of the facilities where the LSC will take place.

We believe this information demonstrates that the LSC will be conducted in accordance with all applicable laws, regulations, and other codes. In particular, Toyota has engaged a professional code consultant, Commercial Construction Consulting, Inc. ("C^3"), who has confirmed that the LSC complies with applicable fire code requirements. Toyota has provided C^3's compliance determination to the West Virginia State Fire Marshal who has concurred with C^3's conclusion that the LSC complies with the West Virginia State Fire Code. Copies of C3's Determination of Compliance letter and the State Fire Marshal's response are attached in additional to technical information regarding the LSC. With this information, we respectfully request that you grant any required approvals for the LSC so that we can proceed as soon as possible.

If you have any questions or require any additional information, please do not hesitate to contact [Dealership] or [Number]. Thank you for your time and consideration.

Best regards,
[Dealer]

[Dealership]

Attachments:
- C^3 Determination of Compliance, with description of LSC Process and MSDSs
- State Fire Marshal's Response to C^3 Determination of Compliance
- Dealership information sheet

ATTACHMENT 1: DETERMINATION OF COMPLIANCE AND DESCRIPTION OF THE LSC PROCESS FROM COMMERCIAL CONSTRUCTION CONSULTING, INC.

TOYOTA

Sandra H. Waddell, Esq.
Managing Counsel
Environmental, Health & Safety

Toyota Motor Sales, U.S.A., Inc.
19001 South Western Avenue – HQ12
Torrance, CA 90501
(310) 468-4830
(310) 381-4645 Fax

May 29, 2009

Via Federal Express and email:

Norman R. Fetterman
Assistant State Fire Marshal
Office of State Fire Marshal
1207 Quarrier Street
2nd Floor
Charleston, WV 25301

Norman.r.fetterman@wv.gov

Re: **Toyota Limited Service Campaign ("LSC")**
Submittal of Fire Code Expert's Review and Opinion regarding Consistency of LSC with West Virginia State Fire Code

Dear Assistant Fire Marshal Fetterman,

Thank you for your time this morning. As I mentioned briefly by phone, Toyota is in the process of implementing a Limited Service Campaign ("LSC") involving the application of two corrosion-resistant sealant materials to the frame rails of certain Toyota vehicles, on the underside of the vehicles. The LSC will be implemented by Toyota dealers in a number of midwest and eastern states, including West Virginia. The LSC involves a discrete group of vehicles covered by a customer support program. The LSC is already underway in certain other states; it is expected to begin in West Virginia in June 2009 and it will conclude by October of 2010.

We will be providing our dealers (12 in West Virginia) with specific instructions and technical support on how to set up the LSC work area, apply the materials properly and conduct the LSC in compliance with applicable laws and regulations, including environmental and fire code requirements. We met with the West Virginia Department of Environmental Protection and they have given their approval for the LSC to proceed in West Virginia. We are otherwise ready to proceed and we would like our dealers to be able to inform their local Fire Marshals that the State Fire Marshal has approved the LSC as consistent with West Virginia law.

To facilitate your review of this matter, Toyota has asked an independent fire code expert from Commercial Construction Consulting, Inc. ("C³") to review the LSC for consistency with the West Virginia State Fire Code. As you will see from their letter (which includes an overview of the LSC and the Material Safety Data Sheets ("MSDSs")), C³ has determined that the LSC will apply non-flammable materials to vehicles in a manner consistent with West Virginia law.

Toyota is committed to supporting its dealers so that they conduct the LSC in a responsible manner consistent with applicable laws; we trust that the attached letter demonstrates this commitment. Our dealers are eager to begin implementing the LSC and servicing our customers' vehicles as soon as possible.

Therefore, we would appreciate hearing from you at your earliest convenience, confirming that Toyota dealers in West Virginia may proceed with the LSC.

As you requested, I will also forward a hard copy of this letter, by FedEx, when I return to the office on Monday. If you have any questions or concerns, or require any additional information, please do not hesitate to contact me at (310) 468-4830 (direct) or (424) 201-9335 (cell).

Thank you for your time and consideration,

Sandra H. Woodall

Managing Counsel - Environmental, Health & Safety
Toyota Motor Sales, U.S.A., Inc.

Attachments

cc: Douglas R. Anderson – C³ Code Advisory Group
Courtney Schultz, PE – C³ Code Advisory Group

Commercial
Construction
Consulting. Inc.

May 29, 2009

Toyota Motor Sales, U.S.A., Inc.
19001 South Western Avenue, HQ 12
Torrance, CA 90501

Attn: Sandra H. Waddell, Esq.

Re: Toyota Limited Service Campaign
Compliance with the West Virginia State Fire Code

This letter outlines Toyota's pending Limited Service Campaign, and describes how it complies with the West Virginia State Fire Code.

I. Project Overview

Toyota is in the process of implementing a Limited Service Campaign ("LSC") involving the application of two anti-corrosion materials to the frame rails of certain Toyota vehicles, on the underside of the vehicles. The LSC will be implemented by Toyota dealers in a number of midwest and eastern states, including West Virginia. The LSC involves a discrete group of vehicles covered by a customer support program. The LSC is already underway in certain other states; it is expected to begin in West Virginia in June 2009 and it will conclude by October of 2010.

Following this letter are the following attachments: (1) an overview of the LSC; and (2) the Material Safety Data Sheet (MSDS) for each of the LSC materials.

II. Executive Summary

- **The material is sprayed on the vehicle frame in two separate, sequential operations;**
- **The materials are classified as Class II and Class IIIB Combustibles, respectively;**
- **The materials have flash points in excess of 100 degrees F and are thus exempt from the provisions for spray painting;**
- **The material will be applied in regular vehicle service bays provided with adequate natural ventilation, and not in a spray room or spray booth;**
- **The materials will be installed while the vehicles are up on lifts, thus reducing the chances of vapor concentration at the floor level;**
- **The partitions around the spray space will have a 12" gap at the bottom to prevent the accumulation of vapors;**
- **There will be no open flames or open sparks within 20 feet of the spray space;**
- **No mechanical ventilation or automatic sprinklers are required for the application of these materials; and**
- **As discussed below, the LSC program is in compliance with the West Virginia State Fire Code, NFPA-1 (2003).**

TOYOTA

Sandra H. Waddell, Esq.
Managing Counsel
Environmental, Health & Safety

Toyota Motor Sales, U.S.A., Inc.
19001 South Western Avenue – HQ12
Torrance, CA 90501
(310) 468-4830
(310) 381-4645 Fax

May 29, 2009

Via Federal Express and email:

Norman R. Fetterman
Assistant State Fire Marshal
Office of State Fire Marshal
1207 Quarrier Street
2nd Floor
Charleston, WV 25301

Norman.r.fetterman@wv.gov

Re: **Toyota Limited Service Campaign ("LSC")**
Submittal of Fire Code Expert's Review and Opinion regarding Consistency of LSC with West Virginia State Fire Code

Dear Assistant Fire Marshal Fetterman,

Thank you for your time this morning. As I mentioned briefly by phone, Toyota is in the process of implementing a Limited Service Campaign ("LSC") involving the application of two corrosion-resistant sealant materials to the frame rails of certain Toyota vehicles, on the underside of the vehicles. The LSC will be implemented by Toyota dealers in a number of midwest and eastern states, including West Virginia. The LSC involves a discrete group of vehicles covered by a customer support program. The LSC is already underway in certain other states; it is expected to begin in West Virginia in June 2009 and it will conclude by October of 2010.

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Sandra H. Wadd

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May 29, 2009

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- **No mechanical ventilation or automatic sprinklers are required for the application of these materials; and**
- **As discussed below, the LSC program is in compliance with the West Virginia State Fire Code, NFPA-1 (2003).**

III. Applicable Codes and Regulations

The West Virginia State Fire Code, Title 87 of Code of State Regulations, refers to the 2004/2005 edition of the "National Fire Codes" as published by the National Fire Protection Association (NFPA).

The West Virginia State Fire Code references NFPA 1, Uniform Fire Code™ (2003); this standard in turn references NFPA 33 (2000) for spraying of flammable and combustible materials. These are the two standards used in this analysis.

West Virginia State Fire Code, referencing: NFPA 1 (2003), Uniform Fire Code™ NFPA 33 (2000), Standard for Spray Application Using Flammable or Combustible Materials

IV. NFPA-1 (2003), Uniform Fire Code™

Regulation: *Section 43.1.1: Operations involving the spray application of flammable and combustible materials shall comply with NFPA 33, Standard for Spray Application Using Flammable or Combustible Materials, and Section 43.1.*

Analysis: This provision requires installations and operations to be in compliance with Section 43.1, Spraying, Dipping, and Coating Using Flammable or Combustible Materials, and NFPA 33 (2000). The 2000 edition of NFPA 33 was the edition in effect at the time NFPA 1 (2003) was published.

Regulation: *Section 43.1.4.1.3: Vehicle undercoating and body lining operations shall also meet the requirements of Section 12.1 of NFPA 33, Standard for Spray Application Using Flammable or Combustible Materials.*

Analysis: This provision requires installations and operations to be in compliance with Section 12.1, Vehicle Undercoating and Body Lining, of NFPA 33 (2000).

V. NFPA-33 (2000), Standard for Spray Application Using Flammable or Combustible Materials

Regulation: *1.6.4 Combustible Liquid. A combustible liquid shall be defined as any liquid that has a closed-cup flash point at or above 100°F (37.8°C), as determined by the test procedures and apparatus set forth in NFPA 30, Flammable and Combustible Liquids Code, 1.7.4. Combustible liquids shall be classified as Class II or Class III as follows:*

Class II Liquid. Any liquid that has a flash point at or above 100°F (37.8°C) and below 140°F (60°C).
Class IIIA. Any liquid that has a flash point at or above 140°F (60°C), but below 200°F (93°C).
Class IIIB. Any liquid that has a flash point at or above 200°F (93°C).

Analysis: The material Nox-Rust® 712AM has a flash point of greater than 200°C (392°F), and is classified as a Class IIIB combustible liquid (see attached MSDS).

Analysis: The material Nox-Rust® X128T has a flash point of 105°F, and is classified as a Class II combustible liquid (see attached MSDS).

Regulation: *Section 6.2.1 (Storage in Process Areas): There shall be not more than three approved flammable liquid storage cabinets in any single process area without the approval of the authority having jurisdiction. Storage cabinets shall be listed or shall be designed and constructed to meet the requirements of NFPA 30, Flammable and Combustible Liquids Code. Any single cabinet shall contain not more than 120 gal (454 L) of Class I, Class II, or Class IIIA liquids, of which not more than 60 gal (227 L) shall be Class I and Class II liquids.*

Regulation: *Section 6.2.2: The quantity of liquid located in the vicinity of spraying operations, but outside of a storage cabinet, an inside storage room, a cut-off room or attached building, or other specific process area that is cut off by at least a 2-hour fire-rated separation from the spraying operations, shall not exceed the quantity given in either (1) or (2), whichever is greater:*

(1) A supply for one day

(2) 25 gal (95 L) of Class IA liquids in containers, plus 120 gal (454 L) of Class IB, IC, II, or III liquids in containers, plus 2 portable tanks each not exceeding 660 gal (2498 L) of Class IB, IC, Class II, or Class IIIA liquids, plus 20 portable tanks each not exceeding 660 gal (2498 L) of Class IIIB liquids

Analysis: The material will be shipped to the dealers and stored in individual 1L containers, similar in appearance to one quart engine oil bottles, and will be packaged in kits of five 1L bottles per kit, two of the Class IIIB material and three of the Class II material (one such kit for each vehicle). This material will be stored with other flammable and combustible materials within the garages in accordance with NFPA 30. The quantities stored in the vicinity of the spraying operations will be in accordance with this standard.

Regulation: *Section 12.1 (Automobile Undercoating and Body Lining):*

12.1.1: Spray undercoating or spray body lining of vehicles that is conducted in an area that has adequate natural or mechanical ventilation shall be exempt from the provisions of this standard, if all of the requirements of 12.1.1.1 through 12.1.1.4 are met.

12.1.1.1: There shall be no open flames or spark-producing equipment within 20 ft (6100 mm) of the spray operation while the spray operation is being conducted.

12.1.1.2: There shall be no drying, curing, or fusion apparatus in use within 20 ft (6100 mm) of the spray operation while the spray operation is being conducted.

12.1.1.3: Any solvent used for cleaning procedures shall have a flash point not less than 100°F (37.8°C).

12.1.1.4: The coating or lining materials used shall meet one of the following criteria:

(1) Be no more hazardous than UL Class 30-40, when tested in accordance with UL 340, Test for Comparative Flammability of Liquids

(2) Not contain any solvent or component that has a flash point below 100°F (37.8°C)

(3) Consist only of Class IIIB liquids and not include any organic peroxide catalyst

Analysis: The materials used for undercoating both have flash points greater than 100°F, and are compliant with paragraph 12.1.1.4 (2) above (compliance with paragraph 12.1.1.4 (1) or 12.1.1.4 (3) is not required). During spraying operation no open flames or drying apparatus will be within 20 feet. Application of these materials does not require a spray booth, nor are automatic sprinklers required.

NFPA 33 Edition Note: The West Virginia State Fire Code references NFPA 33 (2003) directly from Appendix A. The 2000 edition of NFPA 33 was used in this analysis because it is the standard that NFPA 1 (2003) refers to as it was the edition of NFPA 33 in effect at the time NFPA 1 (2003) was published. The 2003 and 2000 editions of NFPA 33 have the same requirements for Vehicle Undercoating and Body Lining operations; however, the section numbers are different. Section 12.1 in NFPA 33 (2000) was changed to section 14.1 in NFPA 33 (2003).

VI. CONCLUSION

The LSC program is in compliance with the West Virginia State Fire Code, NFPA-1 (2003). NFPA-33, as referenced by NFPA-1, exempts spray coating operations using materials with a flash point over 100°F from the requirements of NFPA 33 pertaining to spray coating operations, provided specific operational conditions are met. Each of the LSC materials has a flash point over 100°F, and the relevant operational conditions will be met. Therefore, since the requirements of NFPA 33 do not apply to the LSC, mechanical ventilation and automatic sprinklers are also not required. The LSC program will be in compliance with the installation provisions of NFPA-33, and therefore will be in compliance with the provisions of NFPA-1.

If you have any questions please do not hesitate to call.

Very truly yours,

Courtney Schultz

Courtney Schultz, PE
Senior Fire Protection Engineer

Douglas R. Anderson

Douglas R. Anderson
Manager, Code Advisory Group

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Limited Service Campaign ("LSC") Overview

LSC PROCESS STEP 1 - VEHICLE PREPARATION

- **Preparing the Vehicle Frame:**
  - Vehicle preparation requires no chemicals, solvents, or oils
  - Steam clean or pressure wash frame (if necessary)
  - Place vehicle on lift (Exhibit A)
  - If vehicle work area is within 20 feet of an adjacent bay, set up partition (with at least 12" opening at bottom) around the LSC work area;
  - Remove rear wheels, spare tire, and engine under-cover
  - Mask areas where LSC materials will not be applied
  - Where necessary, place non-combustible coverings on floor
  - Manually scrape/scrub underside of vehicle to remove any debris or rust (Exhibit B)
  - Place small buckets or attach gutter to vehicle to catch any drips from frame drain holes (3 small holes per frame rail)

These steps take approximately 1¼ hour to complete, which allows time for the vehicle to cool sufficiently.

LSC PROCESS STEP 2 - MATERIALS AND THEIR APPLICATION

- **Applying Materials to the Vehicle Frame**
  - Application of the materials will begin after the vehicle preparation step (Exhibit C). With that cool-down time, surfaces will be adequately cool before the application step begins.
  - Materials are supplied as part of a dealer's LSC kit (1 kit per vehicle) – a kit contains five 1L plastic bottles (shaped like standard engine oil bottles).
  - Two liters of the first of the materials – Nox-Rust® 712AM – are applied to the frame of each vehicle. Nox-Rust® 712AM: Flash Point >200° C (392° F) (Class IIIB combustible; HMIS fire hazard rating of 1).
  - Three liters of the second material – Nox-Rust® X128T – are applied to the frame of each vehicle. Nox-Rust® X128T: Flash Point 105° F (Class II combustible; HMIS fire hazard rating of 2). Given that application of this second Class II combustible material does not occur until after application of the first Class IIIB combustible material, sufficient vehicle engine cool down is further assured before application of the Nox-Rust® X128T.
  - Both materials are viscous and the LSC spray guns have a very high transfer efficiency which limits both overspray and the formation of airborne small particles.

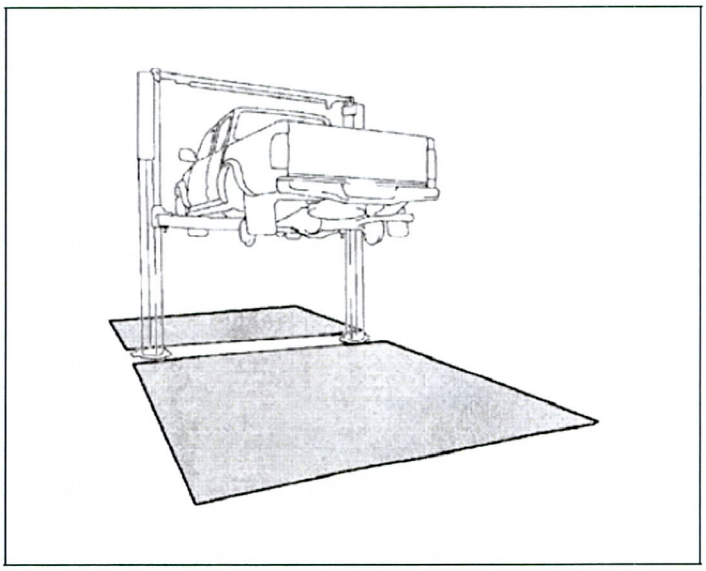
LCS PROCESS OPERATIONS

- **The LSC will be conducted consistent with NFPA 33 requirements:**
  - There will be adequate ventilation in the service area where the LSC will be conducted
  - The materials are nonflammable
  - There will be no open flames or spark-producing equipment or appliances within 20 feet of the LSC operation
  - There will be no drying, curing, or fusion apparatus within 20 feet of the LSC operation

- **Furthermore, the dealer will take *additional* precautions including:**
  - Fire extinguishers will be provided in the vicinity of the LSC operation
  - Any combustible floor construction in the spraying area will be covered with Fire Retardant Poly Sheeting (e.g., TRM 'WEATHER-ALL' Flame Retardant Film)

All LSC materials will be stored within the total quantity limits allowed by NFPA-30 and NFPA-33 for all Class II and Class IIIB materials.

Exhibit A: Vehicle Setup



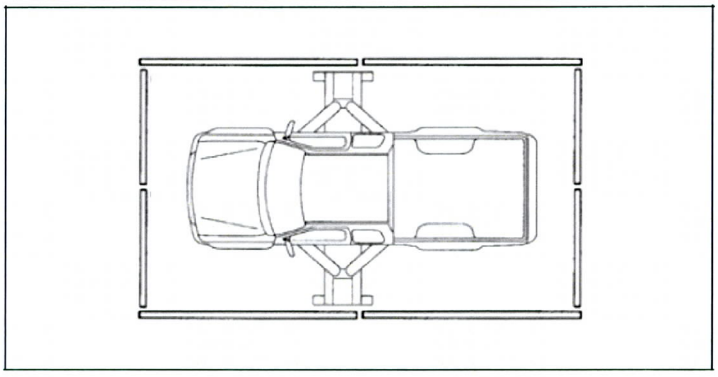
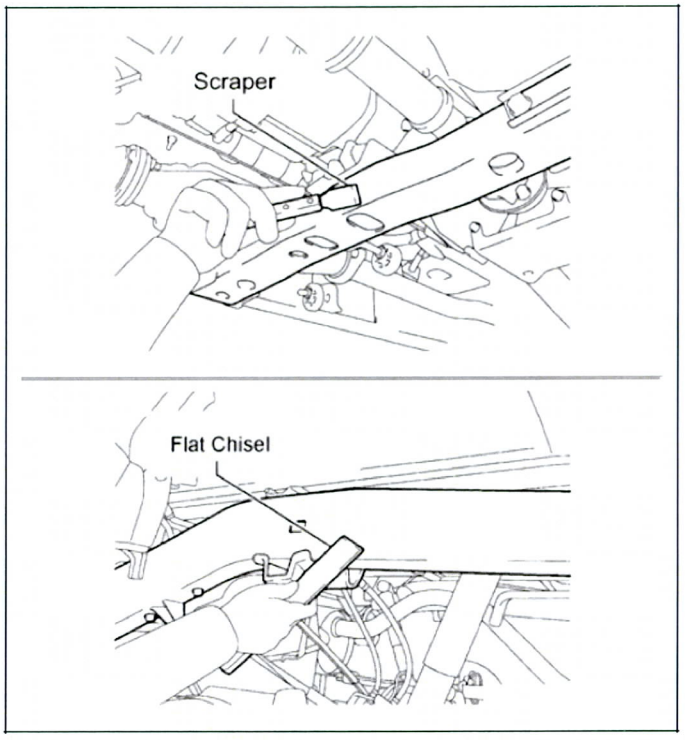
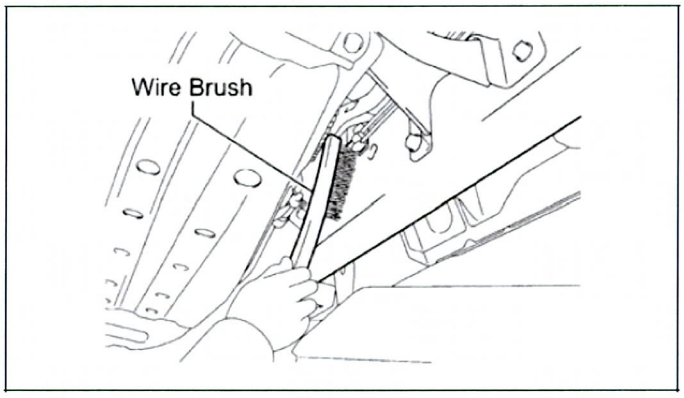


Exhibit B: Vehicle Preparation





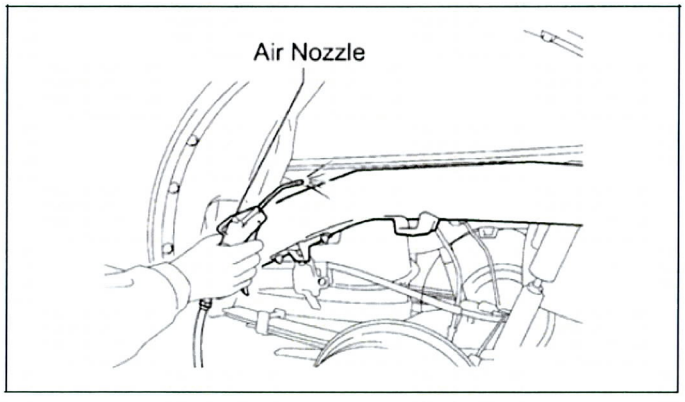
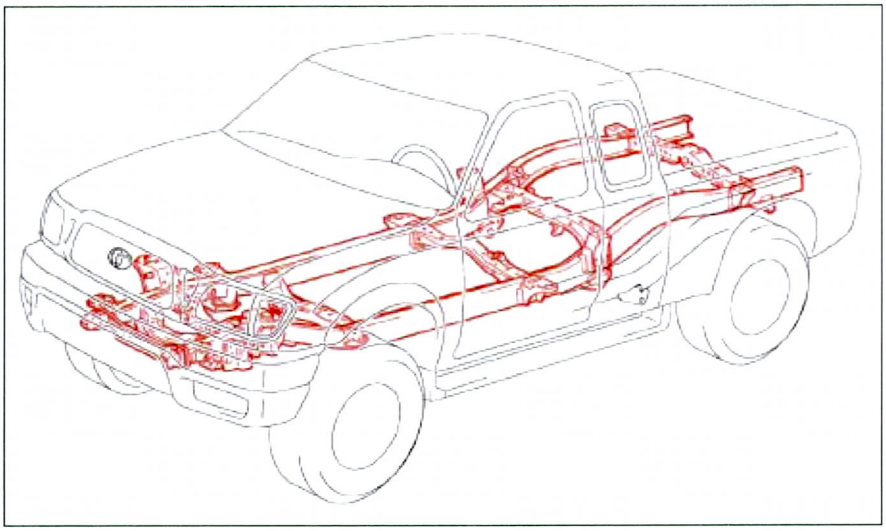
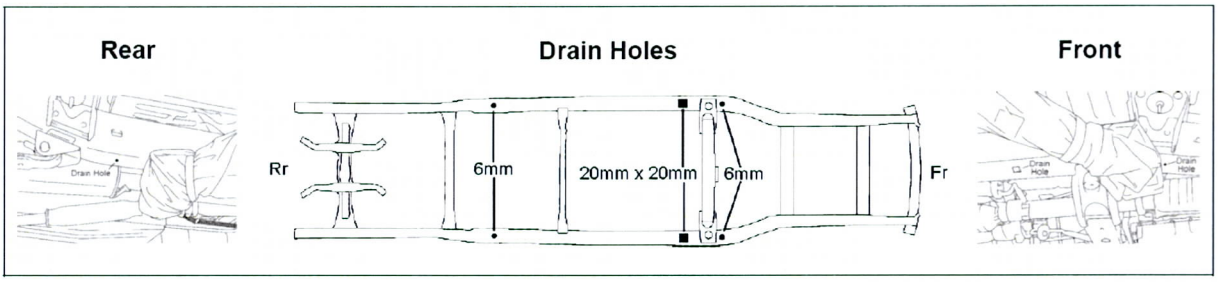


Exhibit C: Application Locations





ATTACHMENT 2: RESPONSE OF WEST VIRGINIA STATE FIRE MARSHAL TO DETERMINATION OF COMPLIANCE FROM COMMERCIAL CONSTRUCTION CONSULTING, INC.

State of West Virginia
Department of Military Affairs and Public Safety
Joe Manchin III, Governor

Sterling Lewis, Jr.
State Fire Marshal

Phone: (304) 558-2191
Fax: (304) 558-2537

STATE FIRE MARSHAL'S OFFICE
1207 Quarrier St, 2nd Floor
Charleston, WV 25301

June 1, 2009

Toyota Motor Sales USA, Inc.
Attn: Sandra Waddell
19001 South Western Ave.-HQ12
Torrance, CA 90501

Re: Toyota Limited Service Campaign-WV Dealers

Dear Ms. Waddell,

In reference to your request of spray application of corrosion resistant sealant materials to frame rails on Toyota trucks; it appears that the application process meets the intent of the WV State Fire Code. The WV dealers may proceed with the LSC process.

Should you have any further questions about this or other projects that would be serviced by this office, contact me at 304-558-2191, ext. 53218.

Yours for better fire protection,

Norman Fetterman

Norman R. Fetterman
Assistant State Fire Marshal

NRF/sl
Cc: File, Inspection

ATTACHMENT 3: DESCRIPTION OF LOCATION WHERE LSC WILL TAKE PLACE AT [INSERT NAME OF DEALERSHIP]

- We will conduct the LSC in our existing dealership service area located at [Insert Dealer Address]. Our dealership has a valid certificate of occupancy for vehicle service and is compliant with existing fire, building, mechanical, and zoning codes for vehicle service/repair garages.

Insert description of the service area at your dealership where the LSC will be conducted.

- We will store LSC materials in accordance with applicable codes governing the storage of combustible liquids.

Insert a description of the storage area to be used for LSC materials.

- We will ensure that the LSC is conducted in an area that has adequate ventilation.

Insert a description of the method of ventilation in the vehicle service area where the LSC will be conducted.

ATTACHMENT 4: LSC MATERIAL MSDSs

[INSERT MSDSs]

REGULATED
WASTE MGMT

Corrosion-Resistant Treatment

Dear Toyota Customer:

We appreciate your time and patience while we applied the Corrosion-Resistant Treatment to your Tacoma's frame. We apologize for any inconvenience you may have experienced.

The Corrosion-Resistant Treatment has been applied to both the internal and external surfaces of your vehicle's frame. Please note the following:

External Surface Corrosion-Resistant Treatment
The temperature of the frame will affect the drying time. Please do not touch the external surfaces of the frame as the treated surfaces may remain tacky to the touch for a period of time. You may also note a petroleum product based odor, therefore, you may wish to park your vehicle outside for two or three days.

Internal Surface Corrosion-Resistant Treatment
The internal surface treatment consists of mainly paraffin wax. You may notice a small amount of whitish-colored droplets from the internal application. If dripping occurs on concrete:

1. Wipe up the spot as soon as possible with a paper towel.
2. Apply Simple Green® to any remaining wax.
3. Agitate the wax spot with a stiff scrub brush.
4. Wipe up the Simple Green®.
5. If the spot is still visible after 24 hours, repeat steps 1-4.

Some spots may require multiple treatments to no longer be visible.

Wash your hands immediately if you come into direct contact with either treatment material.

Thank you for driving a Toyota.

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

The LSC spray guns do not need to be cleaned and therefore the LSC spray operations should not generate additional regulated waste. However, because this assumes that you reuse the tarps (floor coverings) and any materials used to set up the partitions for the LSC operations described in the **Technical Instructions**, if you dispose of the tarps and/or partition materials frequently you will generate a larger quantity of waste, which may impact your generator status. Additionally, because the LSC materials are combustible (i.e., they are assumed to qualify as regulated "hazardous" waste), you should handle them in the same manner as other regulated wastes at your dealership if you need to dispose of any excess materials and/or items used to clean them during the LSC process (e.g., rags, tarps and partitions). This section provides a brief overview of the regulated waste requirements applicable to dealerships generally.

Regulatory Note Regarding LSC Tarps and Partitions: *The tarps/partitions used during the LSC process should be handled like other regulated waste when you dispose of them. The weight of these tarps count against the monthly regulated waste management limits noted in Section 3 below. Given their size and weight, the tarps/partitions could represent a large quantity of waste if disposed of frequently and could impact your compliance with the limits noted below. Therefore, we recommend that you reuse the tarps and other materials used to create the partitions described in the* ***Technical Instructions***.

1. ***IF YOU ARE ALREADY A REGISTERED SMALL QUANTITY GENERATOR (SQG) (I.E., BECAUSE YOU GENERATE MORE THAN 220 POUNDS OF REGULATED WASTE PER MONTH), YOU MAY STOP READING AS YOU ARE LIKELY ALREADY FAMILIAR WITH THE REQUIREMENTS NOTED BELOW. THE LSC WILL NOT IMPACT YOUR GENERATOR STATUS.***
2. ***FOR ALL OTHER DEALERSHIPS, IF YOU GENERATE REGULATED WASTE, YOU MUST HAVE NOTIFIED THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AND HAVE AN EPA IDENTIFICATION NUMBER (EPA ID NUMBER). THE EPA ID NUMBER REQUIREMENT DOES NOT APPLY ACROSS YOUR ENTIRE DEALERSHIP, BUT TO EACH LOCATION AT YOUR DEALERSHIP WITH A SEPARATE MAILING ADDRESS.***
3. ***IF YOU ARE NOT A SMALL QUANTITY GENERATOR, DO NOT GENERATE MORE THAN 220 POUNDS OF REGULATED WASTE PER MONTH, OR ACCUMULATE MORE THAN 2,200 POUNDS OF REGULATED WASTE AT ANY TIME. THE LSC WILL NOT IMPACT YOUR GENERATOR STATUS.***

a. Your dealership will not have to become a registered SQG (and thereby be subject to additional requirements) if you stay below the two registered SQG triggers:

(1) Generate no more than 220 pounds of regulated waste in a calendar month; and

(2) Accumulate no more than 2,200 pounds of regulated waste at any one time.

Important Compliance Note. *The 220 pounds per month waste generation level and the 2,200 pounds accumulation level apply separately to each part of your dealership that has its own address and its own EPA ID Number.*

4. ***STORE ALL REGULATED WASTES IN PROPER CONTAINERS WITH PROPER LABELS, AND MAINTAIN REQUIRED RECORDS.***
5. ***DISPOSE OF ALL REGULATED WASTE ONLY AT FACILITIES AUTHORIZED TO RECEIVE "HAZARDOUS" WASTE USING A COMPANY LICENSED TO TRANSPORT SUCH WASTE TO THE DISPOSAL FACILITY.***
6. ***REMEMBER TO COUNT USED OIL AGAINST YOUR MONTHLY REGULATED WASTE LIMIT IF YOU DETERMINE IT TO BE HAZARDOUS.***

b. In West Virginia, used oil generally must be managed as hazardous waste if it is:

(1) mixed with hazardous waste; and

(2) either (a) exhibits a hazardous waste characteristic or (b) contains a listed hazardous waste (Note: Used oil containing more than 1,000 ppm of total halogens shall be presumed to be a hazardous waste, though this presumption can be rebutted.)

c. However, if you generate less than 220 pounds of hazardous waste in a calendar month, and non-halogenated hazardous waste is mixed with used oil, the hazardous waste/used oil mixture is regulated as used oil rather than as hazardous waste.

d. Such material regulated as used oil should be recycled in accordance with the used oil regulations. We assume that your dealership generates used oil, and therefore, is already familiar with the special regulated waste recycling requirements for used oil.