

APR 16 2015

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                           |                                  |                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------|
|  <b>DOT Auto Safety Hotline</b><br><b>Vehicle Owner's Questionnaire</b><br><b>To Report Vehicle Safety Defects</b><br><b>1-888-DASH-2-DOT</b><br><b>(1-888-327-4236)</b><br><b>INTERNET: www.nhtsa.dot.gov/hotline</b>                                                                                                                                                                                                                                                                                            |                                                                                                           | FOR AGENCY USE ONLY 100148       |                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                           | Date Received<br><br>12-MAR-2015 | Repository <input type="checkbox"/><br><br>Reference No.<br>10693820 |
| <b>OWNER INFORMATION (Type or Print)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                           |                                  |                                                                      |
| Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                           | Daytime Telephone Number         |                                                                      |
| Address                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                           | Evening Telephone Number         |                                                                      |
| City                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | State                                                                                                     | Zip Code                         |                                                                      |
| MELBOURNE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | FL                                                                                                        |                                  |                                                                      |
| <small>The information you provide will be used to identify potential safety-related defects. We may share your information with the applicable vehicle manufacturer during an investigation or recall in accordance with the routine uses described in the agency's Privacy Act notice. See 49 FR 53971 (Sep. 3, 2004).</small>                                                                                                                                                                                                                                                                   |                                                                                                           |                                  |                                                                      |
| <b>VEHICLE INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                           |                                  |                                                                      |
| 17 digit Vehicle Identification Number Located at bottom of windshield on driver's side<br>2T2BK1BA5EC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                           | Make<br>LEXUS                    | Model<br>RX350                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                           | Model Year<br>2014               |                                                                      |
| Date Purchased<br>11/15/2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Dealer's Name and Telephone Number<br>Kuni Lexus of Colorado Springs 7193850111                           |                                  | Engine: V6<br>No: Cylinders                                          |
| Original Owner<br><input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Dealer's City<br>Colorado Springs                                                                         | State<br>CO                      | Fuel Type:<br>Gas                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                           | Zip Code<br>80905                |                                                                      |
| Transmission Type<br>6SP Automatic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input checked="" type="checkbox"/> Antilock Brakes<br><input checked="" type="checkbox"/> Cruise Control | Powertrain                       | Incident Date(s)<br>27-FEB-2015                                      |
| <b>FAILED COMPONENT(S)/PART(S) INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                           |                                  |                                                                      |
| Vehicle Component Code: 140000 AIR BAGS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                           | Failure Mileage<br>13305         | Failure Speed                                                        |
| <b>ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A TIRE FAILURE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                           |                                  |                                                                      |
| Tire Make                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Tire Model (Name or Number)                                                                               |                                  | Tire Size (Example P215/65R15)                                       |
| DOT No. (Example: DOTM19ABC036)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <input type="checkbox"/> Original Equipment<br><input type="checkbox"/> Prior Repair                      | Failure Location:                |                                                                      |
| Tire Component Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                           | Tire Failure Type:               |                                                                      |
| <b>ADDITIONAL ITEMS TO BE COMPLETED WHEN REPORTING A CHILD SEAT FAILURE</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                           |                                  |                                                                      |
| Make:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Date Manufactured:                                                                                        | Model No./Name:                  |                                                                      |
| Seat Type:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Installation System:                                                                                      |                                  |                                                                      |
| Child Seat Component Code:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Failed Part:                                                                                              |                                  |                                                                      |
| <b>APPLICABLE INCIDENT INFORMATION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                           |                                  |                                                                      |
| <small>(Please describe in detail the incident(s), failure(s), crash(es), and injury(ies).)</small>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                           |                                  |                                                                      |
| Crash<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Fire<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                               | Number of Persons Injured<br>1   | Number of Deaths<br>0                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                           | Reported to Police<br>Y          |                                                                      |
| <b>Narrative Description of Incident(s), Crash(es), and Injury(ies).</b><br>Please describe (1) events leading up to the failure, (2) failure and its consequences, and (3) what was done to correct the failure; i.e., parts repaired or replaced (and if old part is available).                                                                                                                                                                                                                                                                                                                 |                                                                                                           |                                  |                                                                      |
| TL* THE CONTACT OWNS A 2014 LEXUS RX350. WHILE DRIVING AT A LOW SPEED, ANOTHER VEHICLE CRASHED INTO THE DRIVER SIDE OF THE CONTACT'S VEHICLE. THE AIR BAGS FAILED TO DEPLOY. THE CONTACT SUSTAINED HEAD, NECK, BACK, AND SHOULDER INJURIES THAT REQUIRED MEDICAL ATTENTION. A POLICE REPORT WAS FILED. THE VEHICLE WAS TOWED TO AN AUTO BODY REPAIR CENTER. THE VEHICLE WAS NOT REPAIRED. THE MANUFACTURER WAS NOTIFIED OF THE FAILURE. THE FAILURE MILEAGE WAS 13,305.                                                                                                                            |                                                                                                           |                                  |                                                                      |
| Include, if available: Police/Fire Department Report, Photos, and Repair Invoice. <span style="float: right;">ATTACH ADDITIONAL SHEETS IF NECESSARY</span>                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                           |                                  |                                                                      |
| <small>The Privacy Act of 1974-Public Law 93-579 This information is requested pursuant to authority vested in the National Highway Traffic Safety Act and subsequent amendments. You are under no obligation to respond to this questionnaire. Your response may be used to assist the NHTSA in determining whether a manufacturer should take appropriate action to correct a safety defect. If the NHTSA proceeds with administrative enforcement or litigation against a manufacturer, your response, or a statistical summary thereof, may be used in support of the agency's action.</small> |                                                                                                           |                                  |                                                                      |

Narrative Description of Incident(s), Failure(s), Crash(es), and Injury(ies)

Shoulder - contusion

Sprain/Strain - cervical/thoracic/lumbar spine

Abrasions & contusions

Back and Neck Problems

Head Injury

MVC

ATTACH ADDITIONAL SHEETS IF NECESSARY

U.S. Department  
of Transportation

National Highway  
Traffic Safety  
Administration

1200 New Jersey Avenue SE.  
Washington, D.C. 20077-9382

Official Business  
Penalty for Private Use \$300



NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES

**BUSINESS REPLY MAIL**

FIRST-CLASS MAIL

PERMIT NO. 1888

WASHINGTON, DC

POSTAGE WILL BE PAID BY ADDRESSEE

US Department of Transportation  
National Highway Traffic Safety Administration  
Office of Defects Investigation, NVS-210  
1200 New Jersey Avenue SE.  
Washington, D.C. 20077-9382



Think your vehicle  
has a safety defect?

If so:



Use the enclosed  
form to file a report.

or visit:

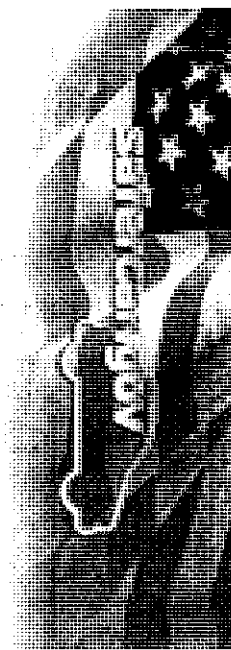
**www.safercar.gov**

or call:

**Vehicle Safety Hotline**  
**888-327-4236**



Vehicle Owner's Questionnaire (VOQ)  
U.S. Department of Transportation  
National Highway Traffic Safety Administration





U.S. Department  
of Transportation  
**National Highway  
Traffic Safety  
Administration**

1200 New Jersey Avenue SE  
Washington, DC 20590

Dear Consumer:

NVS-216rr

As a follow-up to your report to the Vehicle Safety Hotline (VSH), we have recorded your information on the enclosed Vehicle Owner's Questionnaire (VOQ) form. Please review the form and make changes, additions and corrections as necessary. Additionally, please provide a more detailed description of the failure(s) you reported that you believe relevant to safety. Also, if available, include copies of repair invoices, letters to the manufacturer, or any other document related to the problem(s) you reported. If a crash or fire occurred, include a copy of the police or fire department report.

It is helpful to be as thorough as possible in your report so that our ability to use your report will be maximized. If you do not have the information, it is not necessary to complete all the boxes. However, it is very difficult to identify the scope of a vehicle problem unless the vehicle identification number (VIN) is known. The VIN is located inside the vehicle on the dashboard adjacent to the left (driver's side) of the windshield pillar and on the drivers' door or the driver's door jam. It may also be listed on a dealer repair invoice or your insurance or registration cards. When reporting a tire problem, the brand name, tire line and complete tire size should be included. Be certain to provide the DOT tire identification number. It is usually located near the rim flange of the tire on either side of the tire.

We do not make your personal information (name, address, phone numbers, etc.) available to the general public. However, if we open an investigation that involves your vehicle, we will provide the manufacturer of your vehicle with a complete copy of your report. The information you provide may assist the manufacturer and NHTSA in determining if a safety-related defect exists.

Any information provided is entirely voluntary. There is no consequence or penalty of any kind if you do not wish to provide it. We seek this information to develop both statistical and investigative evidence that will help identify potential safety related problems in vehicles or vehicle equipment, e.g., tires, child safety seats, jacks, etc.

When completed, please fold and staple or tape the form so that the pre-addressed portion of the form is on the outside. If a larger envelope is used, tape the VOQ form to the larger envelope so that the pre-addressed portion of the form is showing.

If further assistance is needed, please contact the VSH at their toll-free number, 1-888-327-4236.

Thank you for your cooperation.

Sincerely,

Randy Reid Chief  
Correspondence Research Division  
Office of Defects Investigation  
Enforcement

Enclosure: VOQ





DESCRIPTION 2014 / 9424A RX 350 5-DR SUV  
 COLOR NEBULA GRAY PEARL  
 VIN 2T2BK1BA5EC  
 PORT/PLANT Detroit, MI/TMMC

Dealer Name / Address:  
 KUNI LEXUS-COLORADO SPRGS  
 804 AUTO HEIGHTS  
 COLORADO SPRINGS CO80906

Ship to: (Dealer, unless otherwise indicated)

## STANDARD EQUIPMENT & INSTALLED OPTIONS

### STANDARD FEATURES

- 3.5 Liter 270HP Four Cam 24-Valve V6 Engine with Variable Valve Timing (VVT-i)
- 6-Sp Automatic Transmission w/"Snow Mode"
- Full Time Active Torque Control All-Wheel Drive
- 18" Aluminum Alloy Wheels w/ All-Season Tires
- 10 Airbags: Driver & Front Passenger: Front, Knee & Side (6), Rear Side (2), Side Curtain (2)
- Anti-Lock Braking System (ABS) w/ Electronic Brakeforce Distribution (EBD) & Brake Assist
- Automatic On/Off Headlamps / Integrated Fog Lamps
- LED Daytime Running Lamps (DRL)
- Vehicle Theft-Deterrent Sys w/Engine Immobilizer
- Safety Connect: Automatic Collision Notification, Stolen Vehicle Location, Emergency Assist Button (SOS), and Enhanced Roadside Assistance (1-year trial subscription included)

- Lexus Premium Audio System, Automatic Sound Levelizer (ASL), USB iPod/MP3 Control, SiriusXM Satellite Radio (90-day All Access trial subscription included)
- Auto Dual Zone Climate Control Sys w/Rear Vents
- 10-Way Power Front Seats
- Power Tilt-and-Telescopic Steering Column
- Reclining/Sliding 40/20/40 Split Rear Seat
- Power Back Door
- Rear View Mirror- Auto Dimming, Homelink Garage Door
- SmartAccess Passive Entry System
- Genuine Wood Interior Trim
- Multi-Information Display with Lexus Personalized Settings, Trip Computer & Outside Temp Display
- Tonneau Cover

### MANUFACTURER'S SUGGESTED RETAIL PRICE

|                                                                                                                                                                                               |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Lexus Display Audio Package includes:<br>7-inch Display Screen, HD Radio with iTunes tagging, Advanced Bluetooth technology, Backup Camera, Single CD player, 12-speaker Premium Audio System | \$ 41,160.00 |
| Heated and Ventilated Front Seats                                                                                                                                                             | 860.00       |
| Intuitive Parking Assist                                                                                                                                                                      | 640.00       |
| Premium Package Includes: Leather Trim Interior, One-Touch Open/Close Moonroof, Power-folding Electrochromic Heated Outside Mirrors, Driver's Seat/Steering/Mirror Memory-3 settings          | 500.00       |
| Towing Prep Pkg: Transmission Cooler, Heavy Duty Alternator/Radiator (does not include ball mount)                                                                                            | 2,260.00     |
| Wood & Leather Trimmed Steering Wheel & Shift Knob                                                                                                                                            | 245.00       |
| Cargo Mat, Cargo Net, Wheel Locks & Key Gloves                                                                                                                                                | 330.00       |
| Cross Bars                                                                                                                                                                                    | 255.00       |
|                                                                                                                                                                                               | 259.00       |

## EPA DOT Fuel Economy and Environment

**Fuel Economy**

**20** MPG combined city/hwy

18 city 24 highway

5.0 gallons per 100 miles

**You spend \$ 1,500 more in fuel costs over 5 years compared to the average new vehicle.**

Small SUVs range from 16 to 26 MPG. The best vehicle rates 121 MPG.

**Annual fuel cost \$2,600**

**Fuel Economy & Greenhouse Gas Rating (tailpipe only)**

**5** (Best)

**Smog Rating (tailpipe only)**

**5** (Best)

This vehicle emits 445 grams CO2 per mile. The best emits 0 grams per mile (tailpipe only). Producing and extending life also create emissions. Learn more at [fuelconomy.gov](http://fuelconomy.gov)

Actual results will vary for many reasons, including driving conditions and how you drive and maintain your vehicle. The average new vehicle gets 23 MPG and costs \$11,600 to fuel over 5 years. Cost estimates are based on 15,000 miles per year at \$3.55 per gallon. MPGe is miles per gasoline gallon equivalent. Vehicle emissions are a significant cause of climate change and smog.

**fuelconomy.gov**

Calculate personalized estimates and compare vehicles



Gasoline Vehicle

SUB-TOTAL \$ 46,509.00

DELIVERY, PROCESSING AND HANDLING FEE 910.00

TOTAL \$ 47,419.00

## GOVERNMENT 5-STAR SAFETY RATINGS

**Overall Vehicle Score ★★★★★**

Based on the combined ratings of frontal, side and rollover. Should ONLY be compared to other vehicles of similar size and weight.

**Frontal Crash ★★★★★**

Driver Passenger

Based on the risk of injury in a frontal impact. Should ONLY be compared to other vehicles of similar size and weight.

**Side Crash ★★★★★**

Front seat Rear seat

Based on the risk of injury in a side impact.

**Rollover ★★★★★**

Based on the risk of rollover in a single-vehicle crash.

Star ratings range from 1 to 5 stars (★★★★★) with 5 being the highest.

Source: National Highway Traffic Safety Administration (NHTSA)

[www.safercar.gov](http://www.safercar.gov) or 1-888-327-4236

## APPLICABLE FEDERAL TAXES NOT INCLUDED

Manufacturer's suggested retail price includes manufacturer's recommended pre-delivery service.

Licenses and title fees, state, local and applicable federal taxes, and dealer installed options and accessories are not included in the manufacturer's suggested retail price.

**LEXUS NEW VEHICLE LIMITED WARRANTY**

Limited warranty coverage highlights include:

- 4 YR / 50,000 mile basic coverage
- 4 YR / 70,000 mile powertrain coverage
- 6 YR / Unlimited mile corrosion perforation warranty

See your Warranty and Services Guide for details.

**LEXUS IS PLEASED TO OFFER THE FOLLOWING OWNER SUPPORT PACKAGE WITH EACH NEW LEXUS**

- 24 hour, 365 day/yr. roadside assistance plan
- Complimentary 1st and 2nd scheduled maintenance services
- Lodging for emergency breakdown 100 miles from home

An extended service contract may be available for this vehicle. Ask dealer for details.

131029 744 DE01



**IMPORTANT NOTICE:** Robert Bosch LLC and the manufacturers whose vehicles are accessible using the CDR System urge end users to use the latest production release of the Crash Data Retrieval system software when viewing, printing or exporting any retrieved data from within the CDR program. Using the latest version of the CDR software is the best way to ensure that retrieved data has been translated using the most current information provided by the manufacturers of the vehicles supported by this product.

## CDR File Information

|                               |                                              |
|-------------------------------|----------------------------------------------|
| User Entered VIN/Frame Number | 2T2BK1BA5EC [REDACTED]                       |
| User                          | Cevaldo Torres                               |
| Case Number                   | [REDACTED]                                   |
| EDR Data Imaging Date         | 03/16/2015                                   |
| Crash Date                    | 02/27/2015                                   |
| Filename                      | 2T2BK1BA5EC [REDACTED] 03162015 EDR_ACM.CDRX |
| Saved on                      | Monday, March 16 2015 at 11:33:07            |
| Collected with CDR version    | Crash Data Retrieval Tool 15.0               |
| Reported with CDR version     | Crash Data Retrieval Tool 15.0               |
| EDR Device Type               | Airbag Control Module                        |
| Event(s) recovered            | Front/Rear (1), Side (2), Rollover (1)       |

## Comments

No comments entered.

## Data Limitations

### CDR Record Information:

- Due to limitations of the data recorded by the airbag ECU, such as the resolution, data range, sampling interval, time period of the recording, and the items recorded, the information provided by this data may not be sufficient to capture the entire crash.
- Pre-Crash data is recorded in discrete intervals. Due to different refresh rates within the vehicle's electronics, the data recorded may not be synchronous to each other.
- Airbag ECU data should be used in conjunction with other physical evidence obtained from the vehicle and the surrounding circumstances.
- If any of the front passenger seat airbags, side airbags, or Curtain Shield Airbags have deployed, data will not be overwritten or deleted by the airbag ECU following that event. If none of the airbags have deployed, the data of that event may be overwritten by a following event even if other airbags (pretensioner, rear seat airbag, etc.) have deployed.
- If power supply to the airbag ECU is lost during an event, all or part of the data may not be recorded.
- "Diagnostic Trouble Codes" are information about faults when a recording trigger is established. Various diagnostic trouble codes could be set and recorded due to component or system damage during an accident.
- The airbag ECU records only diagnostic information related to the airbag system. It does not record diagnostic information related to other vehicle systems.
- The TaSCAN, Global TechStream, or Intelligent Tester II devices (or any other Toyota genuine diagnostic tool) can be used to obtain detailed information on the diagnostic trouble codes from the airbag system, as well as diagnostic information from other systems. However, in some cases, the diagnostic trouble codes of the airbag system recorded by the airbag ECU when the event occurred may not match the diagnostic trouble codes read out when the diagnostic tool is used.

### General Information:

- The data recording specifications of Toyota's airbag ECUs are divided into the following seven categories. The specifications for 12EDR or later are designed to be compatible with NHTSA's 49CFR Part 563 rule.
  - 00EDR / 02EDR / 04EDR / 06EDR / 10EDR / 12EDR / 13EDR
- The airbag ECU records data for all or some of the following accident types: frontal crash, rear crash, side crash, and rollover events. Depending on the installed airbag ECU, data for side crash and/or rollover events may not be recorded.
- This airbag ECU records pre-crash data and post-crash data.
  - If a single event occurs independently, the data for that event is recorded on a one-to-one basis.
  - If multiple events occur successively (within a period of approximately 500ms), the establishment of the recording trigger for the first event is defined as the "pre-crash recording trigger". Pre-crash data for the first event and post-crash data for each successive event is then recorded.
- The airbag ECU has two recording pages (memory maps) to store pre-crash data. Additionally, to store post-crash data, the airbag ECU has two recording pages for each accident type: two pages for frontal and rear crash, two pages for a side crash, and two pages for rollover event.
- The data recorded by the airbag ECU includes correlating information between each previously occurring event (i.e., information that clarifies the collision event sequence. This correlation information consists of the following items.
  - Time from Previous Pre-Crash TRG
  - Linked Pre-Crash Page
  - Time from Pre-Crash TRG
  - TRG Count
  - Previous Crash Type

- In frontal and rear collision events, the first point where a longitudinal cumulative delta-V of over 0.8 km/h (0.5 mph) is reached is regarded as time zero for the recorded data. In side impact collision and rollover events, the point in time at which the recording trigger is established is regarded as time zero for the recorded data.
- The recording trigger judgment threshold value differs depending on the collision type (i.e., frontal crash, rear crash, side crash, or rollover event).
- Some of the data recorded by the airbag ECU is transmitted to the airbag ECU from various vehicle control modules by the vehicle's Controller Area Network (CAN).
- In some cases, the airbag ECU part number printed on the ECU label may not match the airbag ECU part number that the CDR tool reports. The part number retrieved by the CDR tool should be considered as the official ECU part number.
- In frontal and rear collision events, the record time varies depending on the period during which a longitudinal cumulative delta-V of over 0.8 km/h (0.5 mph) is reached, and time series data is recorded for up to 250 ms. The record time described above is indicated as "Length of Delta-V". "Delta-V, Longitudinal" outside the record time is indicated by area shaded in the table, and not indicated in the graph.

#### Data Element Sign Convention:

The following table provides an explanation of the sign notation for data elements that may be included in this CDR report.

| Data Element Name                                         | Positive Sign Notation Indicates |
|-----------------------------------------------------------|----------------------------------|
| Max. Longitudinal Delta-V                                 | Forward                          |
| Longitudinal Delta-V                                      | Forward                          |
| Lateral Acceleration for Frontal/Rear Crash, Floor Sensor | Left to Right                    |
| Lateral Acceleration, Side Satellite Sensor 1             | Left to Right                    |
| Lateral Acceleration, Side Satellite Sensor 2             | Left to Right                    |
| Lateral Acceleration, Side Satellite Sensor 3             | Left to Right                    |
| Lateral Acceleration, Side Satellite Sensor 4             | Left to Right                    |
| Lateral Acceleration for Side Crash, Floor Sensor         | Left to Right                    |
| Roll Angle Peak                                           | Clockwise Rotation               |
| Roll Angle at the Time of TRG                             | Clockwise Rotation               |
| Roll Rate                                                 | Clockwise Rotation               |
| Lateral Acceleration for Rollover, Floor Sensor           | Left to Right                    |
| Longitudinal Acceleration, VSC Sensor                     | Forward                          |
| Yaw Rate                                                  | Left Turn                        |
| Steering Input                                            | Left Turn                        |

#### Data Definitions:

- The "ON" setting for the "Freeze Signal" indicates a state in which the non-volatile memory can not be overwritten or deleted by the airbag ECU. After "Freeze Signal" has been turned ON, subsequent events will not be recorded.
  - "Recording Status" indicates a state in which all recorded event data has been written into the non-volatile memory, or a state in which this process was interrupted and not fully written into the non-volatile memory. If "Recording Status" is "Incomplete", recorded event data may not be valid.
  - If the "Occupant Size Classification, Front Passenger" displays "Child" or "Not Occupied", "Side Air Bag Deployment, Time to Deploy" and "Pretensioner Deployment, Time to Fire" may indicate a time even if deployment did not occur on the following part no's:  
- 89170-07280, 35400, 35410, 35470, 42660, 0R120, 0R080, 0R081, 0R150
  - "Engine RPM" indicates the number of engine revolutions, not the number of motor revolutions. The recorded value has an upper limit of 12,800 rpm. Resolution is 100 rpm and the value is rounded down and recorded. For example, if the actual engine speed is 799 rpm, the recorded value will be 700 rpm.
  - If the electric vehicle is using a calculated/virtual engine RPM for drivetrain control, "Engine RPM" may be recorded, but should not be used during data analysis.
  - The upper limit for the recorded "Vehicle Speed" value is 200 km/h (125mph). Resolution is 1km/h (0.6mph) and the value is rounded down and recorded. The accuracy of the "Vehicle Speed" value can be affected by various factors. These include, but not limited to, the following:
    - Significant changes in the tire's rolling radius
    - Wheel lock and wheel slip
  - "Accelerator Pedal" has two recording specifications. Both the recorded value increases as the driver depresses the accelerator.
    - Percentage of accelerator pedal depressed (recorded as 0-100(%)).
    - Output voltage of accelerator pedal module (recorded as 0-5(V)).
  - If M/T transmission vehicle of some limited model, "Shift Position" may display "Drive" regardless of the actual shift position.
  - Depending on the type of occupant sensor installed in the vehicle, one of the following three recording formats for "Occupant Size Classification, Front Passenger" will be utilized.
    - Occupied / Not Occupied
    - AM50 / AF05 / Child / Not Occupied
    - AM50 / AF05 / Child or Not Occupied
  - "Cruise Control Status" indicates whether the cruise control system is actuated or not. OFF indicates that the cruise control system is not actuated, but can also indicate that the vehicle is not equipped with the system.
  - "Air Bag Warning Lamp, On/Off", "Ignition Cycle, Crash", "Seat Track Position Switch, Foremost, Status, Driver", "Occupant Size Classification, Front Passenger", "Safety Belt Status, Driver", "Safety Belt Status, Front Passenger", "Frontal Air Bag Suppression Switch Status, Front Passenger", and "RSCA Disable Switch" indicate the state approximately 1 second before time zero. They may not always indicate the state at the moment of collision.
  - The upper and lower limits for the recorded value of "Motor RPM" is 17,500 rpm and -7,500 rpm respectively. Resolution is 100 rpm and the value is rounded down and recorded.

- "Brake Oil Pressure" has an upper limit of 12.14 Mpa. In the case of the vehicle that has not VSC system, "0 Mpa" or "Invalid" may be displayed.
- "Longitudinal Acceleration , VSC Sensor" has upper and lower limits for the recorded value of 8.973 m/s<sup>2</sup> and -8.973 m/s<sup>2</sup> respectively. This acceleration sensor does not sense collisions.
- "Sequential Shift Range" displaying "Undetermined" indicates the shift range is undetermined or was not being used.
- Some vehicles will not be equipped with all "Drive Mode" types indicated in the "Drive Mode" table. If some or all drive modes are not applicable to vehicle, "OFF" or "Invalid" may be displayed. The item in the "Drive Mode" table may not match the name of switch or indicator that equipped the vehicle.
- The upper and lower limits for the recorded value of "Steering Input" is 375 deg and -375 deg respectively. Resolution is 1.5 deg and the value is rounded down and recorded.
- Resolution of the "Air Bag Warning Lamp ON Time Since DTC was Set" is 15 minutes, and the value is rounded down and recorded.
- "Delta-V, Longitudinal" indicates the change in forward speed after time zero. This does not refer to vehicle speed, and it does not include the change in speed during the period from the start of the actual collision to establishment of the time zero.
- "Location of Side Satellite Sensor" shows the outline of a typical sensor position. Sensory location can be confirmed using the repair manual.
- "Time from Previous Pre-Crash TRG" indicates the time between the establishment of an event's pre-crash recording trigger to the establishment of a more recent event's pre-crash recording trigger. The upper limit for the recorded value is 16,381 milliseconds. In the event of establishment of the first pre-crash recording trigger after the ignition is switched ON, the upper limit value(max value) is recorded.
- "TRG Count" indicates a calculated value of the number of times recording triggers have been established for all crash types. The sequence in which each event occurred can be verified from the "TRG Count". The smaller the "TRG Count" value, the older the data. The upper limit for the recorded value is 65,533 times. When more than one event reaches the upper limit, the actual "TRG Count" may be greater than what is displayed for that event.
- "Linked Pre-Crash Page" is used to link 'paged" pre-crash data with 'paged" post-crash data. When old pre-crash data is overwritten by new pre-crash data, the "Linked Pre-Crash Page" value may record a page number that is not actually linked.
- Resolution of the "Time from Pre-Crash to TRG" is 50 [ms], and the value is rounded up and recorded.
- "Roll Angle at the Time of TRG" and "Roll Angle Peak" do not represent the actual roll angle of the vehicle. These values are used internally by the airbag ECU for sensing a rollover.

05013\_ToyotaS00std\_r023

### System Status at Time of Retrieval

|                                         |                  |
|-----------------------------------------|------------------|
| ECU Part Number                         | 89170-0E170      |
| EDR Generation                          | 13EDR            |
| Complete File Recorded                  | Yes              |
| Freeze Signal                           | OFF              |
| Freeze Signal Factor                    | None             |
| Diagnostic Trouble Codes Exist          | No               |
| Ignition Cycle Download (times)         | 1619             |
| Multi-event, number of events (times)   | 2 or greater     |
| Time from event 1 to 2 (s)              | 0.079            |
| Time from Previous Pre Crash TRG (msec) | 16381 or greater |
| Latest Pre-Crash Page                   | 0                |
| Contains Unlinked Pre-Crash Data        | No               |

### Event Record Summary at Retrieval

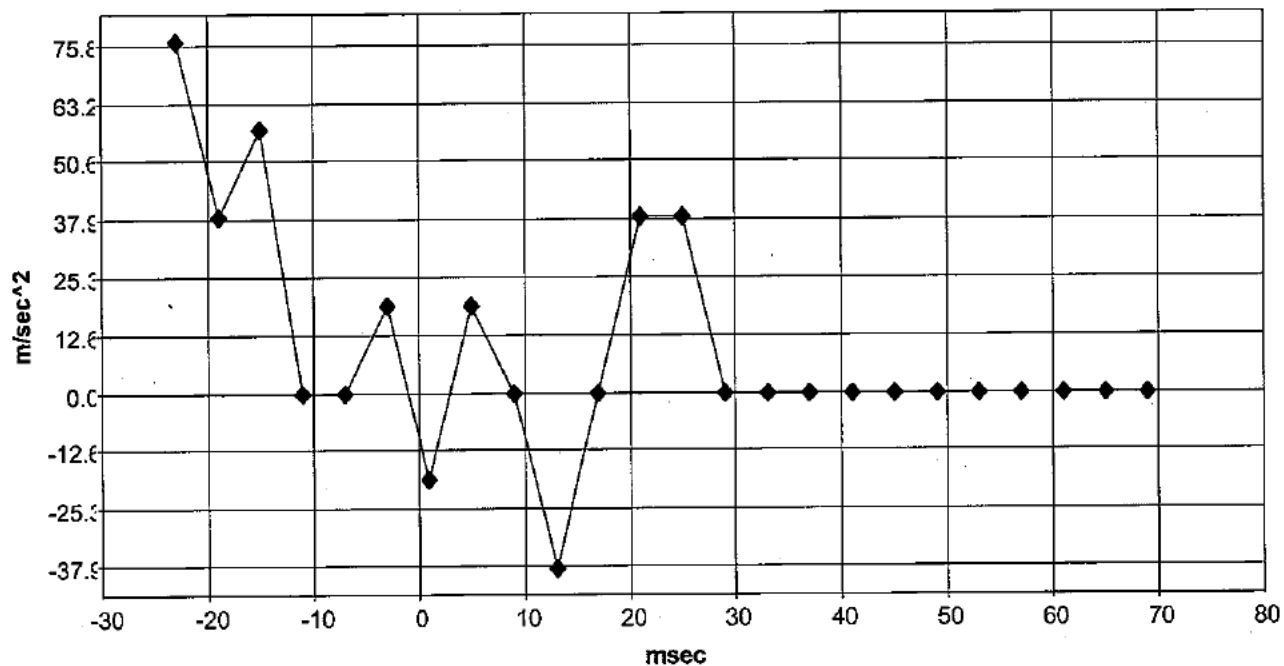
| Events Recorded   | TRG Count | Crash Type       | Time (msec) | Pre-Crash & DTC Data Recording Status | Event & Crash Pulse Data Recording Status |
|-------------------|-----------|------------------|-------------|---------------------------------------|-------------------------------------------|
| Most Recent Event | 4         | Side Crash       | 0           | Complete (Page 0)                     | Complete (Side Page 1)                    |
| 1st Prior Event   | 3         | Front/Rear Crash | -79         | Complete (Page 0)                     | Complete (Front/Rear Page 0)              |
| 2nd Prior Event   | 2         | Rollover         | -55         | Complete (Page 0)                     | Complete (Rollover Page 0)                |
| 3rd Prior Event   | 1         | Side Crash       | -96         | Complete (Page 0)                     | Complete (Side Page 0)                    |

**System Status at Event (Most Recent Event, TRG 4)**

|                                                                     |                  |
|---------------------------------------------------------------------|------------------|
| Recording Status, Side Crash Info.                                  | Complete         |
| Crash Type                                                          | Side Crash       |
| TRG Count (times)                                                   | 4                |
| Previous Crash Type                                                 | Front/Rear Crash |
| Time from Pre-Crash TRG (msec)                                      | 96               |
| Linked Pre-Crash Page                                               | 0                |
| Side Airbag Deployment, Time to Deploy (If Equipped) (msec)         | No               |
| Side Curtain Airbag Deployment, Time to Deploy (If Equipped) (msec) | No               |
| Pretensioner Deployment, Time to Fire (msec)                        | No               |
| Rear Window Airbag Deployment, Time to Deploy (msec)                | SNA              |

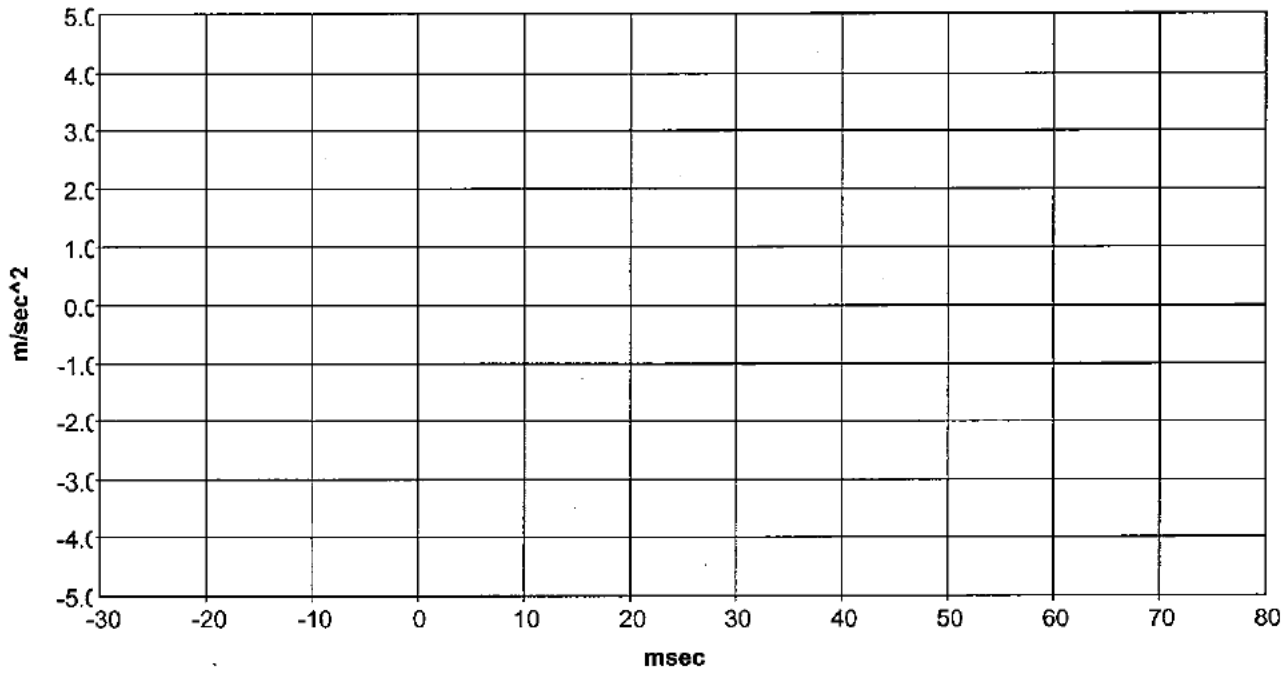
**Lateral Crash Pulse (Most Recent Event, TRG 4 - table 1 of 2)**

|                                                                       |              |
|-----------------------------------------------------------------------|--------------|
| Recording Status, Time Series Data                                    | Complete     |
| Recorded Side                                                         | Left Side    |
| Time from TRG to Next Sample (msec)                                   | 1            |
| Location of Side Satellite Sensor 1                                   | Front Door   |
| Location of Side Satellite Sensor 2                                   | Not Equipped |
| Location of Side Satellite Sensor 3                                   | Not Equipped |
| Location of Side Satellite Sensor 4                                   | C-Pillar     |
| Location of Floor Sensor                                              | Airbag ECU   |
| Clipping Time of Lateral Acceleration, Side Satellite Sensor 1 (msec) | No           |
| Clipping Time of Lateral Acceleration, Side Satellite Sensor 2 (msec) | SNA          |
| Clipping Time of Lateral Acceleration, Side Satellite Sensor 3 (msec) | SNA          |
| Clipping Time of Lateral Acceleration, Side Satellite Sensor 4 (msec) | No           |
| Clipping Time of Lateral Acceleration, Floor Sensor (msec)            | No           |

**Side Satellite Sensor 1**

**Deployment Time Marker Key**

|   |                                    |
|---|------------------------------------|
| 1 | Driver/Passenger Pretensioner      |
| 2 | Side Airbag                        |
| 3 | Rear Window Airbag Deployment Time |

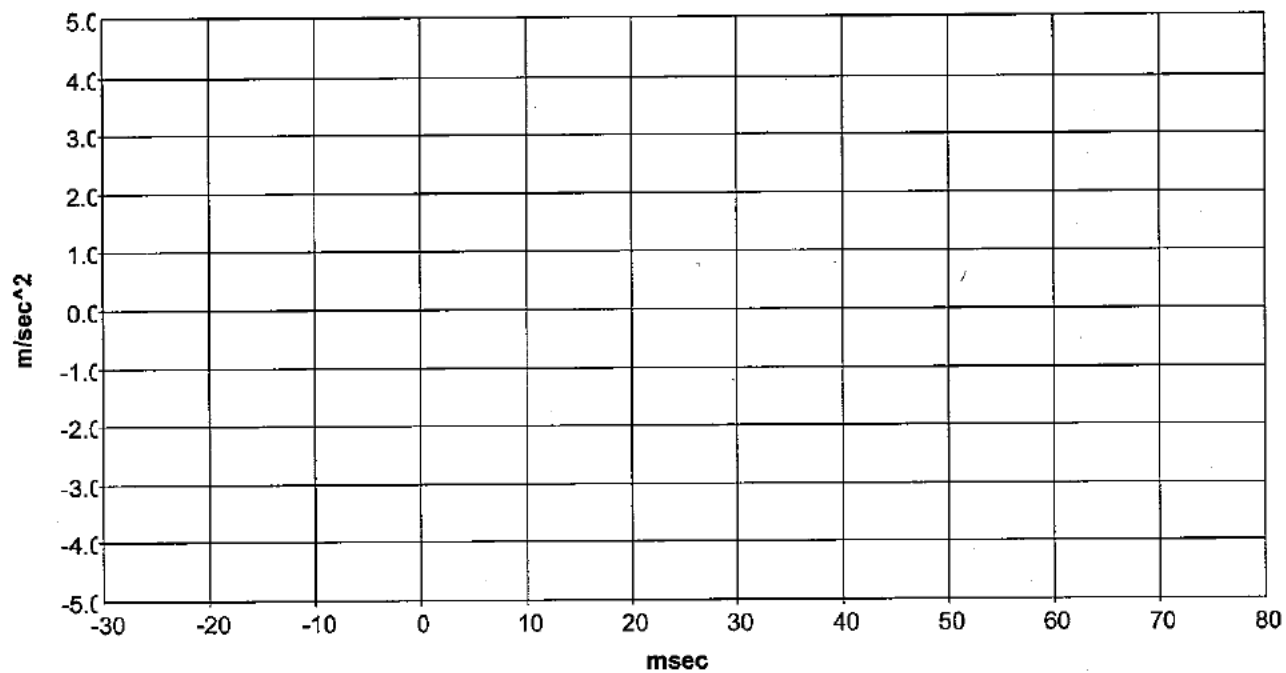
**Side Satellite Sensor 2**



**Deployment Time Marker Key**

|   |                                    |
|---|------------------------------------|
| 1 | Driver/Passenger Pretensioner      |
| 2 | Side Airbag                        |
| 3 | Rear Window Airbag Deployment Time |

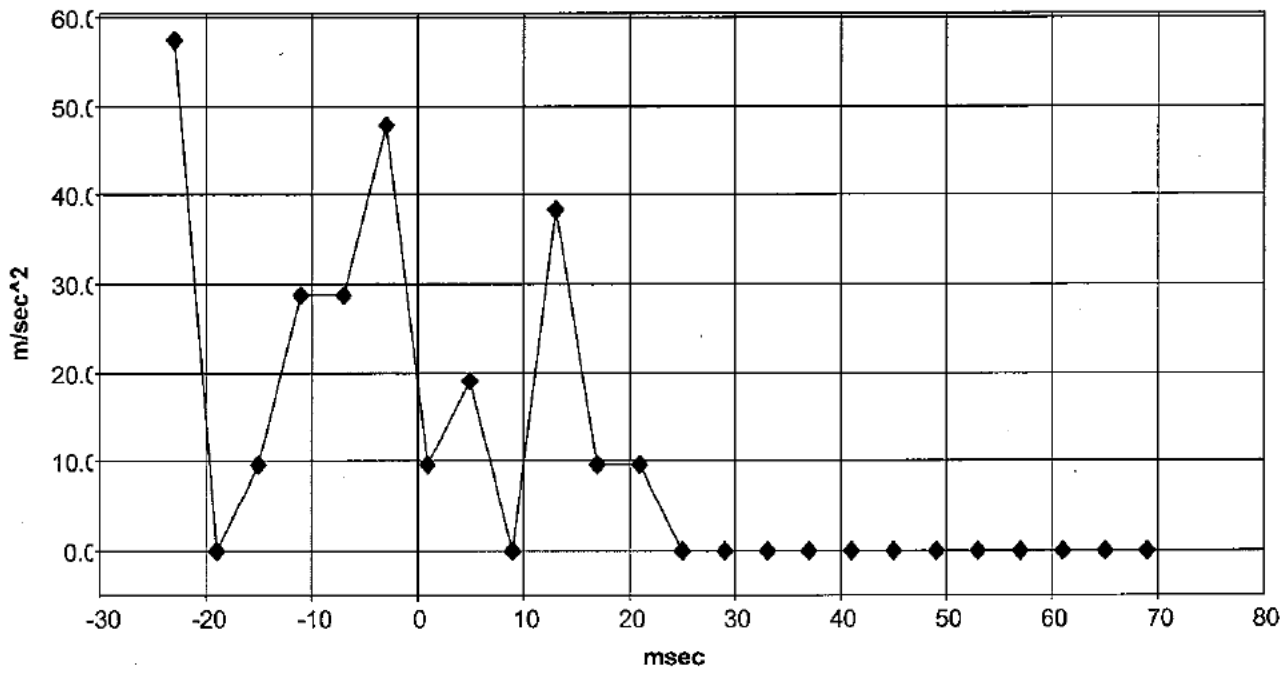
**Side Satellite Sensor 3**



**Deployment Time Marker Key**

|   |                     |
|---|---------------------|
| 1 | Side Curtain Airbag |
|---|---------------------|

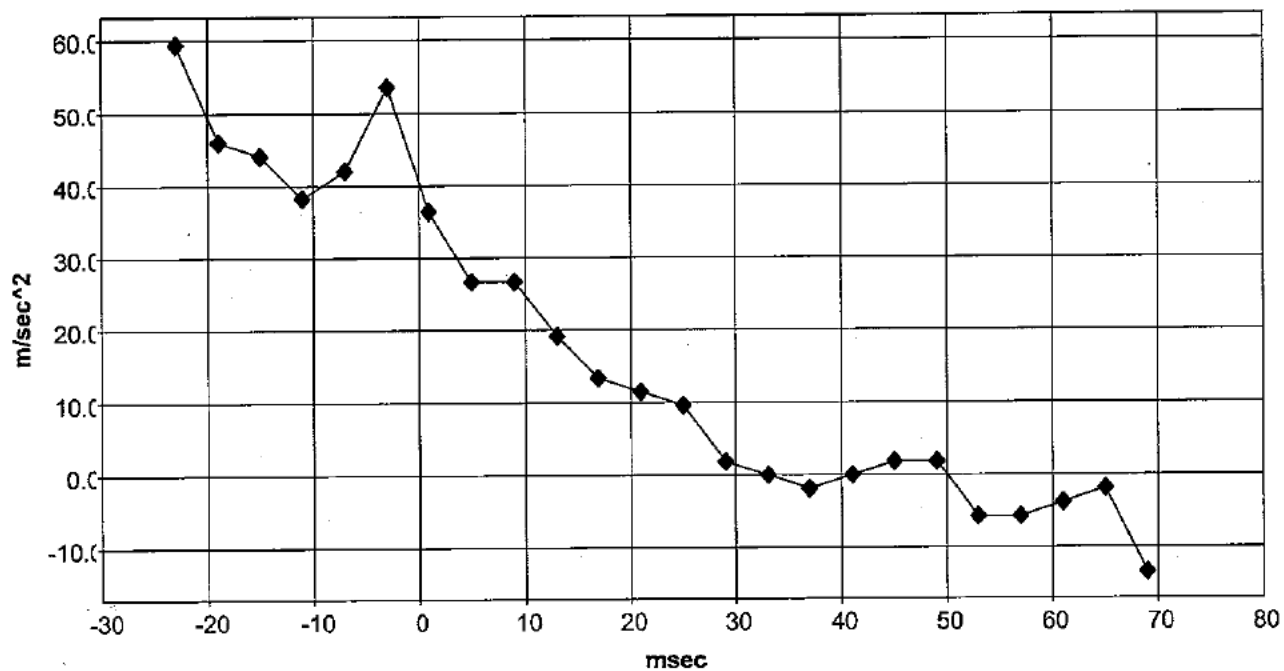
Side Satellite Sensor 4



Deployment Time Marker Key

|   |                     |
|---|---------------------|
| 1 | Side Curtain Airbag |
|---|---------------------|

Floor Sensor



Deployment Time Marker Key

|   |                                    |
|---|------------------------------------|
| 1 | Driver/Passenger Pretensioner      |
| 2 | Side Airbag                        |
| 3 | Rear Window Airbag Deployment Time |
| 4 | Side Curtain Airbag                |

**Lateral Crash Pulse (Most Recent Event, TRG 4 - table 2 of 2)**

| Time (msec) | Lateral<br>Acceleration, Side<br>Satellite Sensor 1<br>(m/sec <sup>2</sup> ) | Lateral<br>Acceleration, Side<br>Satellite Sensor 2<br>(m/sec <sup>2</sup> ) | Lateral<br>Acceleration, Side<br>Satellite Sensor 3<br>(m/sec <sup>2</sup> ) | Lateral<br>Acceleration, Side<br>Satellite Sensor 4<br>(m/sec <sup>2</sup> ) | Lateral<br>Acceleration for<br>Side Crash, Floor<br>Sensor<br>(m/sec <sup>2</sup> ) |
|-------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| -23         | 76.6                                                                         | SNA                                                                          | SNA                                                                          | 57.5                                                                         | 59.4                                                                                |
| -19         | 38.3                                                                         | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 46.0                                                                                |
| -15         | 57.5                                                                         | SNA                                                                          | SNA                                                                          | 9.6                                                                          | 44.1                                                                                |
| -11         | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 28.7                                                                         | 38.3                                                                                |
| -7          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 28.7                                                                         | 42.1                                                                                |
| -3          | 19.2                                                                         | SNA                                                                          | SNA                                                                          | 47.9                                                                         | 53.6                                                                                |
| 1           | -19.2                                                                        | SNA                                                                          | SNA                                                                          | 9.6                                                                          | 36.4                                                                                |
| 5           | 19.2                                                                         | SNA                                                                          | SNA                                                                          | 19.2                                                                         | 26.8                                                                                |
| 9           | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 26.8                                                                                |
| 13          | -38.3                                                                        | SNA                                                                          | SNA                                                                          | 38.3                                                                         | 19.2                                                                                |
| 17          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 9.6                                                                          | 13.4                                                                                |
| 21          | 38.3                                                                         | SNA                                                                          | SNA                                                                          | 9.6                                                                          | 11.5                                                                                |
| 25          | 38.3                                                                         | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 9.6                                                                                 |
| 29          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 1.9                                                                                 |
| 33          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 0.0                                                                                 |
| 37          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | -1.9                                                                                |
| 41          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 0.0                                                                                 |
| 45          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 1.9                                                                                 |
| 49          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 1.9                                                                                 |
| 53          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | -5.7                                                                                |
| 57          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | -5.7                                                                                |
| 61          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | -3.8                                                                                |
| 65          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | -1.9                                                                                |
| 69          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | -13.4                                                                               |

**DTCs Present at Time of Event (Most Recent Event, TRG 4)**

|                                                     |          |
|-----------------------------------------------------|----------|
| Recording Status, Diagnostic                        | Complete |
| Ignition Cycle Since DTC was Set (times)            | 0        |
| Airbag Warning Lamp ON Time Since DTC was Set (min) | 0        |
| Diagnostic Trouble Codes                            | None     |

**Pre-Crash Data, 1 Sample (Most Recent Event, TRG 4)**

|                                                           |              |
|-----------------------------------------------------------|--------------|
| Recording Status, Pre-Crash/Occupant                      | Complete     |
| Time from Pre-Crash to TRG (msec)                         | 400          |
| TRG Count when Pre-crash TRG was Established (times)      | 1            |
| Safety Belt Status, Driver                                | ON           |
| Safety Belt Status, Front Passenger                       | OFF          |
| Occupant Size Classification, Front Passenger             | Not Occupied |
| Frontal Airbag Suppression Switch Status, Front Passenger | SNA          |
| RSCA Disable Switch                                       | SNA          |
| Seat Track Position Switch, Foremost, Status, Driver      | No           |
| Airbag Warning Lamp, On/Off                               | OFF          |
| Ignition Cycle, Crash (times)                             | 1587         |

**Pre-Crash Data, -5 to 0 seconds (Most Recent Event, TRG 4)**

| Time (sec)                    | -4.9         | -4.4         | -3.9         | -3.4         | -2.9         | -2.4         | -1.9         | -1.4         |     |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----|
| Vehicle Speed (MPH [km/h])    | 0 [0]        | 1.2 [2]      | 3.7 [6]      | 5 [8]        | 5.6 [9]      | 8.7 [14]     | 10.6 [17]    | 12.4 [20]    | 1.  |
| Accelerator Pedal, % Full (%) | 16.5         | 17.0         | 15.5         | 10.0         | 24.0         | 24.5         | 24.0         | 24.0         |     |
| Percentage of Engine Throttle | 4.0          | 6.5          | 6.5          | 3.0          | 13.5         | 13.5         | 12.5         | 15.0         |     |
| Engine RPM (RPM)              | 600          | 1,400        | 1,500        | 1,100        | 1,600        | 1,900        | 2,100        | 2,000        |     |
| Motor RPM (RPM)               | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      |     |
| Service Brake, ON/OFF         | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Brake Oil Pressure (Mpa)      | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         |     |
| Longitudinal Acceleration,    | 0.574        | 2.656        | 2.656        | 0.933        | 2.728        | 2.799        | 2.082        | 1.795        |     |
| Yaw Rate (deg/sec)            | 0.00         | 0.00         | 0.49         | 0.00         | -0.98        | -1.95        | -5.86        | -13.18       |     |
| Steering Input (degrees)      | 6.0          | 6.0          | 6.0          | 1.5          | -19.5        | -33.0        | -66.0        | -106.5       |     |
| Shift Position                | D            | D            | D            | D            | D            | D            | D            | D            |     |
| Sequential Shift Range        | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Und |
| Cruise Control Status         | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, PWR               | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, ECO               | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, Sport             | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, Snow              | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, EV                | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | I   |
| Fuel Injection Quantity       | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | I   |

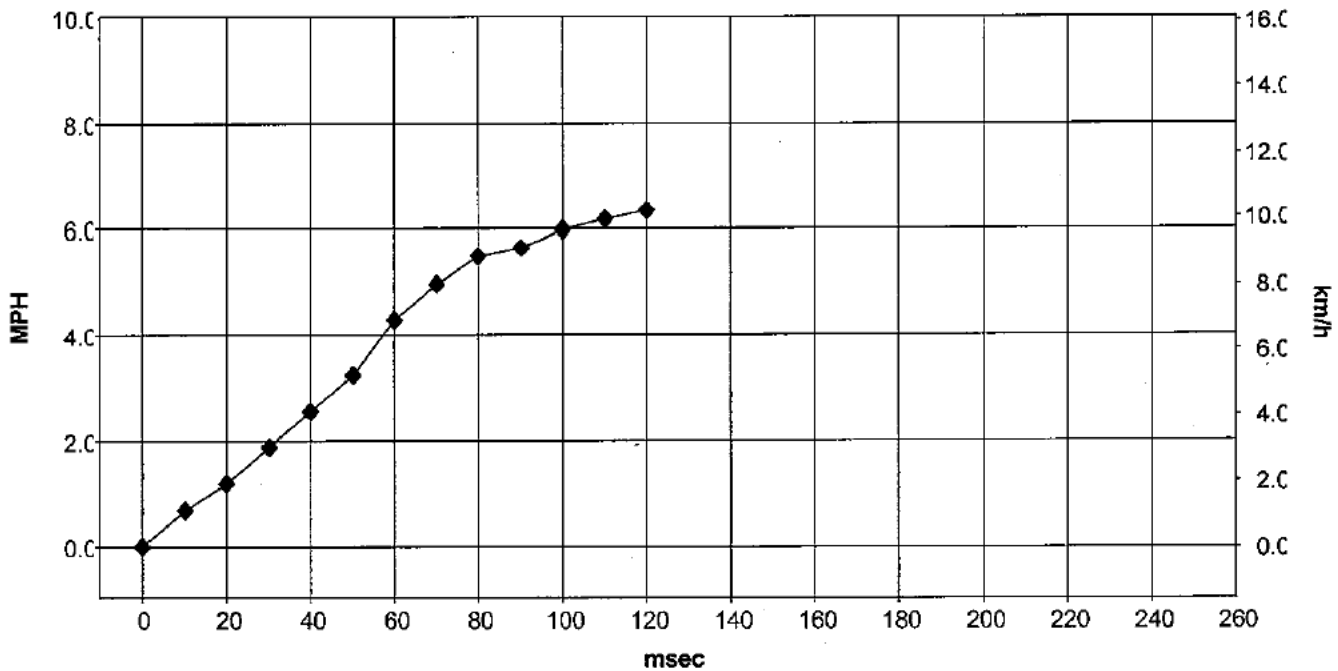
**System Status at Event (1st Prior Event, TRG 3)**

|                                                                                 |                  |
|---------------------------------------------------------------------------------|------------------|
| Recording Status, Front/Rear Crash Info.                                        | Complete         |
| Crash Type                                                                      | Front/Rear Crash |
| TRG Count (times)                                                               | 3                |
| Previous Crash Type                                                             | Rollover         |
| Time from Pre-Crash TRG (msec)                                                  | 91               |
| Linked Pre-Crash Page                                                           | 0                |
| Frontal Airbag Deployment, Time to 1st Stage Deployment, Driver (msec)          | No               |
| Frontal Airbag Deployment, Time to 1st Stage Deployment, Front Passenger (msec) | No               |
| Pretensioner Deployment, Time to Fire, Driver (msec)                            | No               |
| Pretensioner Deployment, Time to Fire, Front Passenger (msec)                   | No               |
| Frontal Airbag Deployment, Time to 2nd Stage, Driver (msec)                     | N/A              |
| Frontal Airbag Deployment, Time to 2nd Stage, Front Passenger (msec)            | N/A              |
| Active Head Restraint, Time to Deploy, Driver (msec)                            | SNA              |
| Active Head Restraint, Time to Deploy, Front Passenger (msec)                   | SNA              |
| Side Curtain Airbag Deployment, Time to Deploy, Driver (msec)                   | SNA              |
| Side Curtain Airbag Deployment, Time to Deploy, Passenger (msec)                | SNA              |
| Side Airbag Deployment, Time to Deploy, Driver (msec)                           | SNA              |
| Side Airbag Deployment, Time to Deploy, Passenger (msec)                        | SNA              |
| Rear Window Airbag Deployment, Time to Deploy (msec)                            | SNA              |

# Longitudinal/Lateral Crash Pulse (1st Prior Event, TRG 3 - table 1 of 2)

|                                                            |            |
|------------------------------------------------------------|------------|
| Recording Status, Time Series Data                         | Complete   |
| Time from Time Zero to TRG (msec)                          | 74.0       |
| Length of Delta-V (msec)                                   | 120        |
| Max. Longitudinal Delta-V (MPH [km/h])                     | 6.3 [10.2] |
| Time, Maximum Delta-V, Longitudinal (msec)                 | 119.5      |
| Power Supply Status at Max. Delta-V                        | ON         |
| Clipping Time of Longitudinal Delta-V (msec)               | No         |
| Clipping Time of Lateral Acceleration, Floor Sensor (msec) | No         |

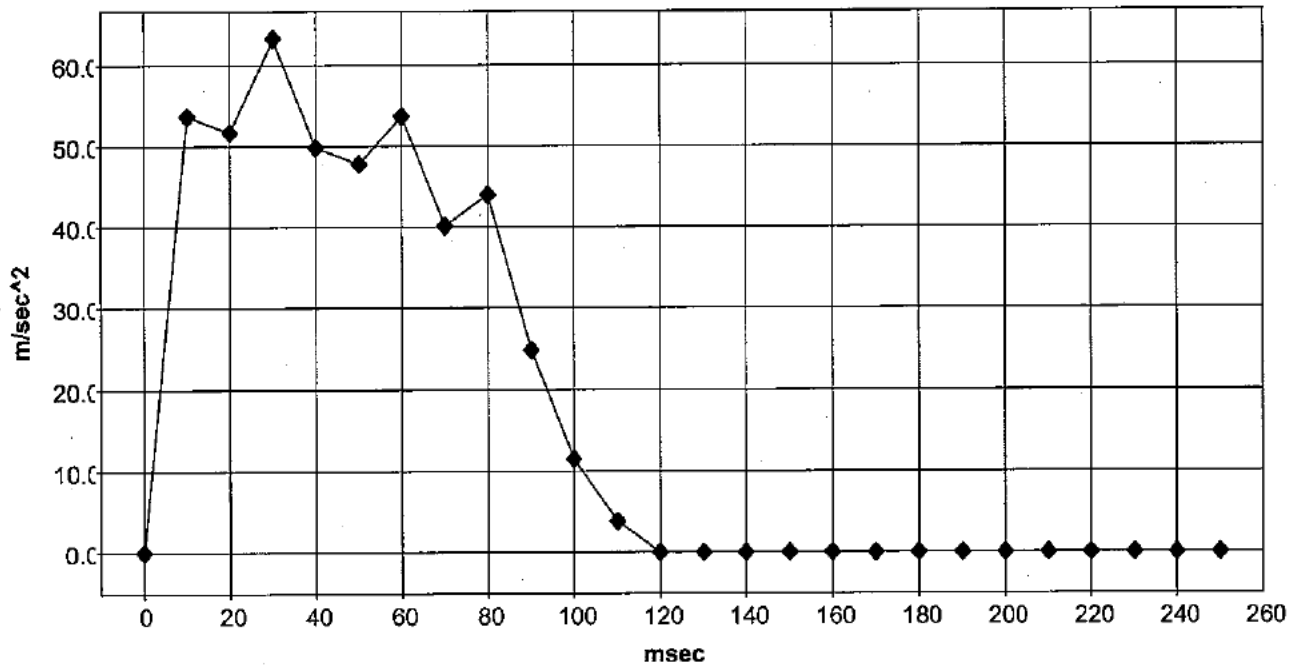
Longitudinal Delta-V



## Deployment Time Marker Key

|    |                                         |
|----|-----------------------------------------|
| 1  | Driver Airbag Deployment Time           |
| 2  | Passenger Airbag Deployment Time        |
| 3  | Driver/Passenger Pretensioner           |
| 4  | Driver 2nd Stage Airbag Deployment Time |
| 5  | Passenger 2nd Stage Airbag Deployment   |
| 6  | Driver/Passenger AHR                    |
| 7  | Driver CSA                              |
| 8  | Passenger CSA                           |
| 9  | Rear Window Airbag Deployment Time      |
| 10 | Driver SAB                              |
| 11 | Passenger SAB                           |

Lateral Acceleration for frontal/rear crash, Floor Sensor



Deployment Time Marker Key

|    |                                         |
|----|-----------------------------------------|
| 1  | Driver Airbag Deployment Time           |
| 2  | Passenger Airbag Deployment Time        |
| 3  | Driver/Passenger Pretensioner           |
| 4  | Driver 2nd Stage Airbag Deployment Time |
| 5  | Passenger 2nd Stage Airbag Deployment   |
| 6  | Driver/Passenger AHR                    |
| 7  | Driver CSA                              |
| 8  | Passenger CSA                           |
| 9  | Rear Window Airbag Deployment Time      |
| 10 | Driver SAB                              |
| 11 | Passenger SAB                           |

**Longitudinal/Lateral Crash Pulse (1st Prior Event, TRG 3 - table 2 of 2)**

| Time (msec) | Longitudinal Delta-V<br>(MPH [km/h]) | Lateral Acceleration for<br>Frontal/Rear Crash,<br>Floor Sensor<br>(m/sec^2) | Power Supply Status |
|-------------|--------------------------------------|------------------------------------------------------------------------------|---------------------|
| 0           | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 10          | 0.7 [1.1]                            | 53.6                                                                         | ON                  |
| 20          | 1.2 [1.9]                            | 51.7                                                                         | ON                  |
| 30          | 1.9 [3.0]                            | 63.2                                                                         | ON                  |
| 40          | 2.6 [4.1]                            | 49.8                                                                         | ON                  |
| 50          | 3.3 [5.2]                            | 47.9                                                                         | ON                  |
| 60          | 4.3 [6.9]                            | 53.6                                                                         | ON                  |
| 70          | 5.0 [8.0]                            | 40.2                                                                         | ON                  |
| 80          | 5.5 [8.8]                            | 44.1                                                                         | ON                  |
| 90          | 5.7 [9.1]                            | 24.9                                                                         | ON                  |
| 100         | 6.0 [9.7]                            | 11.5                                                                         | ON                  |
| 110         | 6.2 [9.9]                            | 3.8                                                                          | ON                  |
| 120         | 6.3 [10.2]                           | 0.0                                                                          | ON                  |
| 130         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 140         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 150         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 160         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 170         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 180         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 190         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 200         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 210         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 220         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 230         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 240         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |
| 250         | 0.0 [0.0]                            | 0.0                                                                          | ON                  |

**DTCs Present at Time of Event (1st Prior Event, TRG 3)**

|                                                     |          |
|-----------------------------------------------------|----------|
| Recording Status, Diagnostic                        | Complete |
| Ignition Cycle Since DTC was Set (times)            | 0        |
| Airbag Warning Lamp ON Time Since DTC was Set (min) | 0        |
| Diagnostic Trouble Codes                            | None     |

**Pre-Crash Data, 1 Sample (1st Prior Event, TRG 3)**

|                                                           |              |
|-----------------------------------------------------------|--------------|
| Recording Status, Pre-Crash/Occupant                      | Complete     |
| Time from Pre-Crash to TRG (msec)                         | 400          |
| TRG Count when Pre-crash TRG was Established (times)      | 1            |
| Safety Belt Status, Driver                                | ON           |
| Safety Belt Status, Front Passenger                       | OFF          |
| Occupant Size Classification, Front Passenger             | Not Occupied |
| Frontal Airbag Suppression Switch Status, Front Passenger | SNA          |
| RSCA Disable Switch                                       | SNA          |
| Seat Track Position Switch, Foremost, Status, Driver      | No           |
| Airbag Warning Lamp, On/Off                               | OFF          |
| Ignition Cycle, Crash (times)                             | 1587         |

### Pre-Crash Data, -5 to 0 seconds (1st Prior Event, TRG 3)

| Time (sec)                    | -4.9         | -4.4         | -3.9         | -3.4         | -2.9         | -2.4         | -1.9         | -1.4         |     |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----|
| Vehicle Speed (MPH [km/h])    | 0 [0]        | 1.2 [2]      | 3.7 [6]      | 5 [8]        | 5.6 [9]      | 8.7 [14]     | 10.6 [17]    | 12.4 [20]    | 1.  |
| Accelerator Pedal, % Full (%) | 16.5         | 17.0         | 15.5         | 10.0         | 24.0         | 24.5         | 24.0         | 24.0         |     |
| Percentage of Engine Throttle | 4.0          | 6.5          | 6.5          | 3.0          | 13.5         | 13.5         | 12.5         | 15.0         |     |
| Engine RPM (RPM)              | 600          | 1,400        | 1,500        | 1,100        | 1,600        | 1,900        | 2,100        | 2,000        |     |
| Motor RPM (RPM)               | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      |     |
| Service Brake, ON/OFF         | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Brake Oil Pressure (Mpa)      | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         |     |
| Longitudinal Acceleration,    | 0.574        | 2.656        | 2.656        | 0.933        | 2.728        | 2.799        | 2.082        | 1.795        |     |
| Yaw Rate (deg/sec)            | 0.00         | 0.00         | 0.49         | 0.00         | -0.98        | -1.95        | -5.86        | -13.18       |     |
| Steering Input (degrees)      | 6.0          | 6.0          | 6.0          | 1.5          | -19.5        | -33.0        | -66.0        | -106.5       |     |
| Shift Position                | D            | D            | D            | D            | D            | D            | D            | D            |     |
| Sequential Shift Range        | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Und |
| Cruise Control Status         | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, PWR               | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, ECO               | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, Sport             | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, Snow              | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, EV                | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      |     |
| Fuel Injection Quantity       | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      |     |

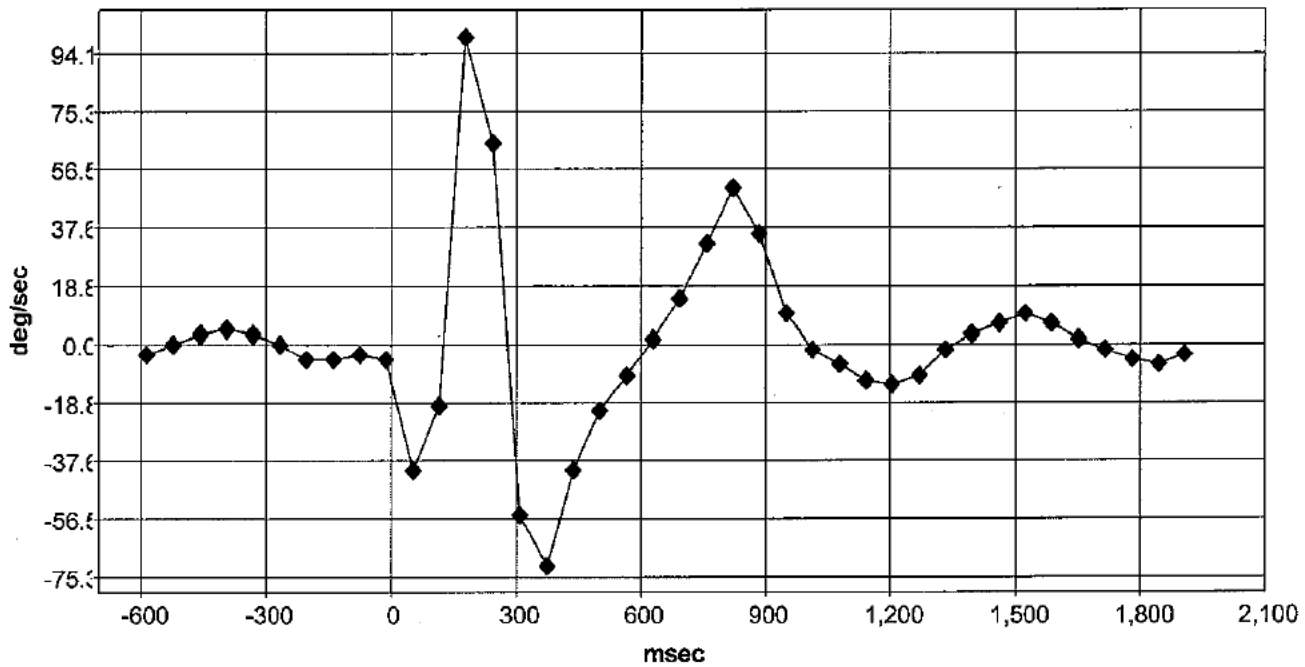
**System Status at Event (2nd Prior Event, TRG 2)**

|                                                               |            |
|---------------------------------------------------------------|------------|
| Recording Status, Rollover Crash Info.                        | Complete   |
| Crash Type                                                    | Rollover   |
| TRG Count (times)                                             | 2          |
| Previous Crash Type                                           | Side Crash |
| Time from Pre-Crash TRG (msec)                                | 41         |
| Linked Pre-Crash Page                                         | 0          |
| Side Curtain Airbag Deployment, Time to Deploy (msec)         | No         |
| Pretensioner Deployment, Time to Fire, Driver (msec)          | No         |
| Pretensioner Deployment, Time to Fire, Front Passenger (msec) | No         |

### Rollover Crash Pulse (2nd Prior Event, TRG 2 - table 1 of 2)

|                                         |          |
|-----------------------------------------|----------|
| Recording Status, Time Series Data      | Complete |
| Time from TRG to Next Sample (msec)     | 53       |
| Roll Angle Peak (degrees)               | -8.9     |
| Roll Angle at the Time of TRG (degrees) | -5.6     |

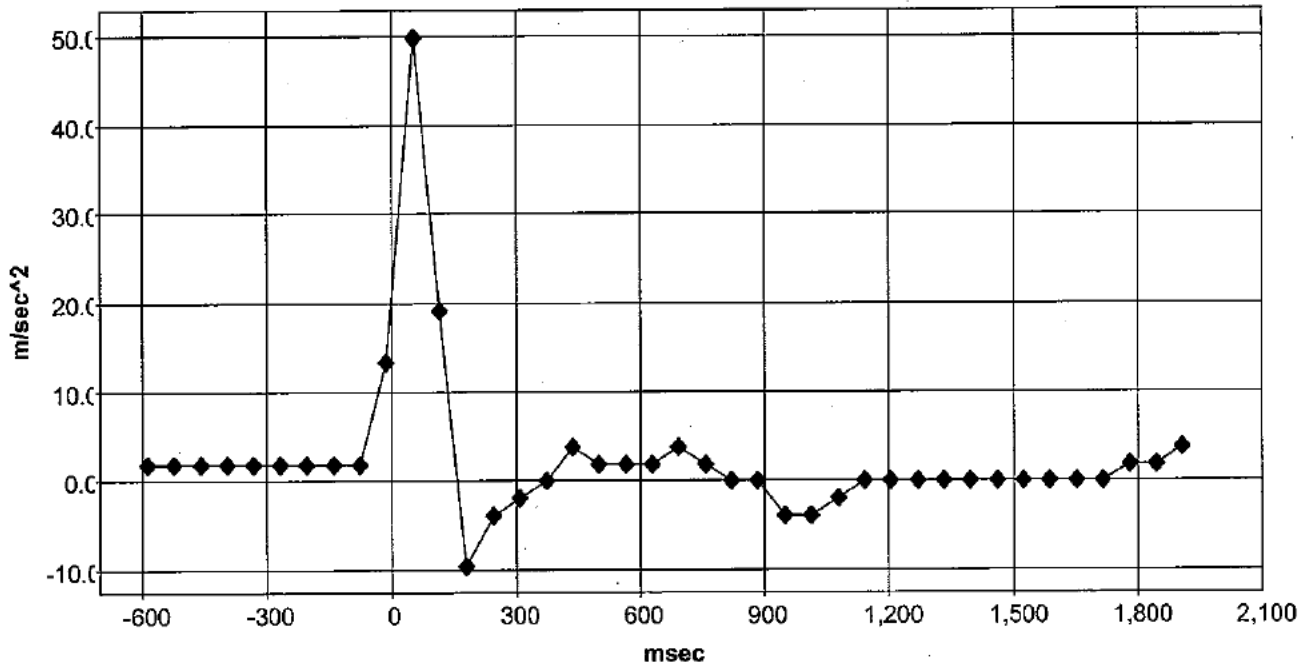
**Roll Rate**



#### Deployment Time Marker Key

|   |                               |
|---|-------------------------------|
| 1 | Driver/Passenger CSA          |
| 2 | Driver/Passenger Pretensioner |

Lateral Acceleration for Rollover, Floor Sensor



Deployment Time Marker Key

|   |                               |
|---|-------------------------------|
| 1 | Driver/Passenger CSA          |
| 2 | Driver/Passenger Pretensioner |

**Rollover Crash Pulse (2nd Prior Event, TRG 2 - table 2 of 2)**

| Time (msec) | Roll Rate<br>(deg/sec) | Lateral Acceleration for<br>Rollover, Floor Sensor<br>(m/sec^2) |
|-------------|------------------------|-----------------------------------------------------------------|
| -587        | -3.3                   | 1.9                                                             |
| -523        | 0.0                    | 1.9                                                             |
| -459        | 3.3                    | 1.9                                                             |
| -395        | 4.9                    | 1.9                                                             |
| -331        | 3.3                    | 1.9                                                             |
| -267        | 0.0                    | 1.9                                                             |
| -203        | -4.9                   | 1.9                                                             |
| -139        | -4.9                   | 1.9                                                             |
| -75         | -3.3                   | 1.9                                                             |
| -11         | -4.9                   | 13.4                                                            |
| 53          | -40.7                  | 49.8                                                            |
| 117         | -19.5                  | 19.2                                                            |
| 181         | 99.4                   | -9.6                                                            |
| 245         | 65.2                   | -3.8                                                            |
| 309         | -55.4                  | -1.9                                                            |
| 373         | -71.7                  | 0.0                                                             |
| 437         | -40.7                  | 3.8                                                             |
| 501         | -21.2                  | 1.9                                                             |
| 565         | -9.8                   | 1.9                                                             |
| 629         | 1.6                    | 1.9                                                             |
| 693         | 14.7                   | 3.8                                                             |
| 757         | 32.6                   | 1.9                                                             |
| 821         | 50.5                   | 0.0                                                             |
| 885         | 35.8                   | 0.0                                                             |
| 949         | 9.8                    | -3.8                                                            |
| 1013        | -1.6                   | -3.8                                                            |
| 1077        | -6.5                   | -1.9                                                            |
| 1141        | -11.4                  | 0.0                                                             |
| 1205        | -13.0                  | 0.0                                                             |
| 1269        | -9.8                   | 0.0                                                             |
| 1333        | -1.6                   | 0.0                                                             |
| 1397        | 3.3                    | 0.0                                                             |
| 1461        | 6.5                    | 0.0                                                             |
| 1525        | 9.8                    | 0.0                                                             |
| 1589        | 6.5                    | 0.0                                                             |
| 1653        | 1.6                    | 0.0                                                             |
| 1717        | -1.6                   | 0.0                                                             |
| 1781        | -4.9                   | 1.9                                                             |
| 1845        | -6.5                   | 1.9                                                             |
| 1909        | -3.3                   | 3.8                                                             |

### DTCs Present at Time of Event (2nd Prior Event, TRG 2)

|                                                     |          |
|-----------------------------------------------------|----------|
| Recording Status, Diagnostic                        | Complete |
| Ignition Cycle Since DTC was Set (times)            | 0        |
| Airbag Warning Lamp ON Time Since DTC was Set (min) | 0        |
| Diagnostic Trouble Codes                            | None     |

### Pre-Crash Data, 1 Sample (2nd Prior Event, TRG 2)

|                                                           |              |
|-----------------------------------------------------------|--------------|
| Recording Status, Pre-Crash/Occupant                      | Complete     |
| Time from Pre-Crash to TRG (msec)                         | 400          |
| TRG Count when Pre-crash TRG was Established (times)      | 1            |
| Safety Belt Status, Driver                                | ON           |
| Safety Belt Status, Front Passenger                       | OFF          |
| Occupant Size Classification, Front Passenger             | Not Occupied |
| Frontal Airbag Suppression Switch Status, Front Passenger | SNA          |
| RSCA Disable Switch                                       | SNA          |
| Seat Track Position Switch, Foremost, Status, Driver      | No           |
| Airbag Warning Lamp, On/Off                               | OFF          |
| Ignition Cycle, Crash (times)                             | 1587         |

### Pre-Crash Data, -5 to 0 seconds (2nd Prior Event, TRG 2)

| Time (sec)                    | -4.9         | -4.4         | -3.9         | -3.4         | -2.9         | -2.4         | -1.9         | -1.4         |     |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----|
| Vehicle Speed (MPH [km/h])    | 0 [0]        | 1.2 [2]      | 3.7 [6]      | 5 [8]        | 5.6 [9]      | 8.7 [14]     | 10.6 [17]    | 12.4 [20]    | 1.  |
| Accelerator Pedal, % Full (%) | 16.5         | 17.0         | 15.5         | 10.0         | 24.0         | 24.5         | 24.0         | 24.0         |     |
| Percentage of Engine Throttle | 4.0          | 6.5          | 6.5          | 3.0          | 13.5         | 13.5         | 12.5         | 15.0         |     |
| Engine RPM (RPM)              | 600          | 1,400        | 1,500        | 1,100        | 1,600        | 1,900        | 2,100        | 2,000        |     |
| Motor RPM (RPM)               | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | I   |
| Service Brake, ON/OFF         | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Brake Oil Pressure (Mpa)      | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         |     |
| Longitudinal Acceleration,    | 0.574        | 2.656        | 2.656        | 0.933        | 2.728        | 2.799        | 2.082        | 1.795        |     |
| Yaw Rate (deg/sec)            | 0.00         | 0.00         | 0.49         | 0.00         | -0.98        | -1.95        | -5.86        | -13.18       | .   |
| Steering Input (degrees)      | 6.0          | 6.0          | 6.0          | 1.5          | -19.5        | -33.0        | -66.0        | -106.5       | .   |
| Shift Position                | D            | D            | D            | D            | D            | D            | D            | D            |     |
| Sequential Shift Range        | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Und |
| Cruise Control Status         | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, PWR               | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, ECO               | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, Sport             | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, Snow              | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, EV                | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | I   |
| Fuel Injection Quantity       | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | I   |

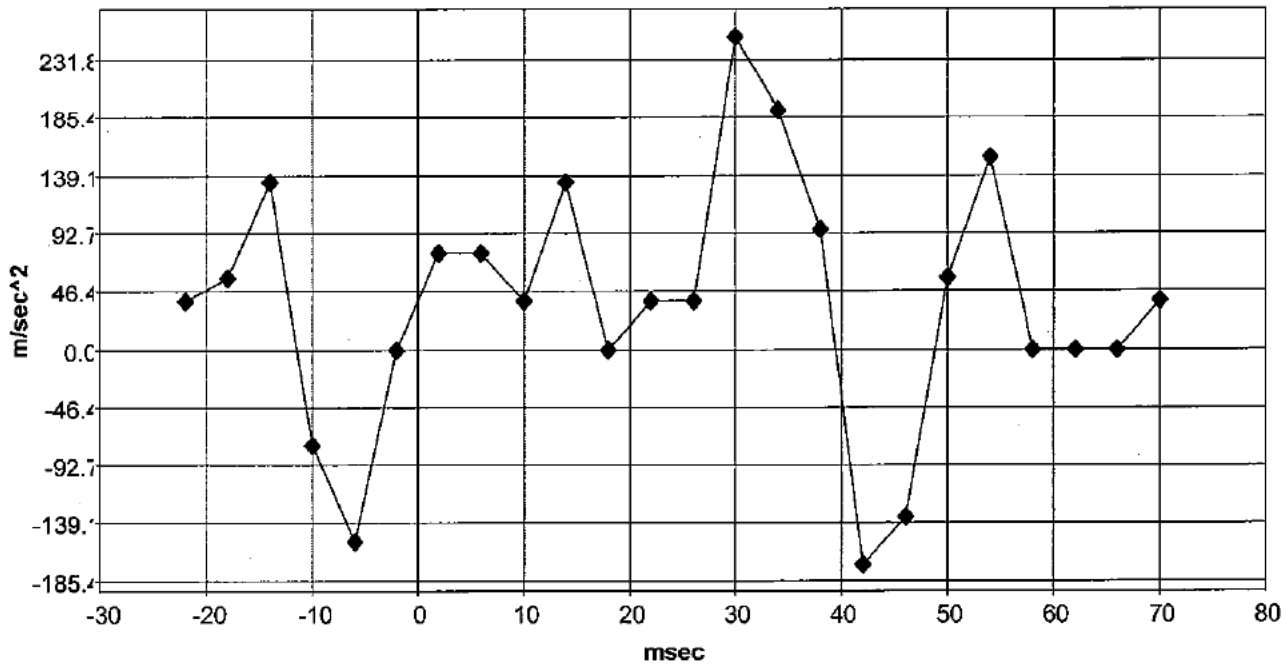
**System Status at Event (3rd Prior Event, TRG 1)**

|                                                                     |            |
|---------------------------------------------------------------------|------------|
| Recording Status, Side Crash Info.                                  | Complete   |
| Crash Type                                                          | Side Crash |
| TRG Count (times)                                                   | 1          |
| Previous Crash Type                                                 | No Event   |
| Time from Pre-Crash TRG (msec)                                      | 0          |
| Linked Pre-Crash Page                                               | 0          |
| Side Airbag Deployment, Time to Deploy (If Equipped) (msec)         | No         |
| Side Curtain Airbag Deployment, Time to Deploy (If Equipped) (msec) | No         |
| Pretensioner Deployment, Time to Fire (msec)                        | No         |
| Rear Window Airbag Deployment, Time to Deploy (msec)                | SNA        |

# Lateral Crash Pulse (3rd Prior Event, TRG 1 - table 1 of 2)

|                                                                       |              |
|-----------------------------------------------------------------------|--------------|
| Recording Status, Time Series Data                                    | Complete     |
| Recorded Side                                                         | Left Side    |
| Time from TRG to Next Sample (msec)                                   | 2            |
| Location of Side Satellite Sensor 1                                   | Front Door   |
| Location of Side Satellite Sensor 2                                   | Not Equipped |
| Location of Side Satellite Sensor 3                                   | Not Equipped |
| Location of Side Satellite Sensor 4                                   | C-Pillar     |
| Location of Floor Sensor                                              | Airbag ECU   |
| Clipping Time of Lateral Acceleration, Side Satellite Sensor 1 (msec) | No           |
| Clipping Time of Lateral Acceleration, Side Satellite Sensor 2 (msec) | SNA          |
| Clipping Time of Lateral Acceleration, Side Satellite Sensor 3 (msec) | SNA          |
| Clipping Time of Lateral Acceleration, Side Satellite Sensor 4 (msec) | No           |
| Clipping Time of Lateral Acceleration, Floor Sensor (msec)            | No           |

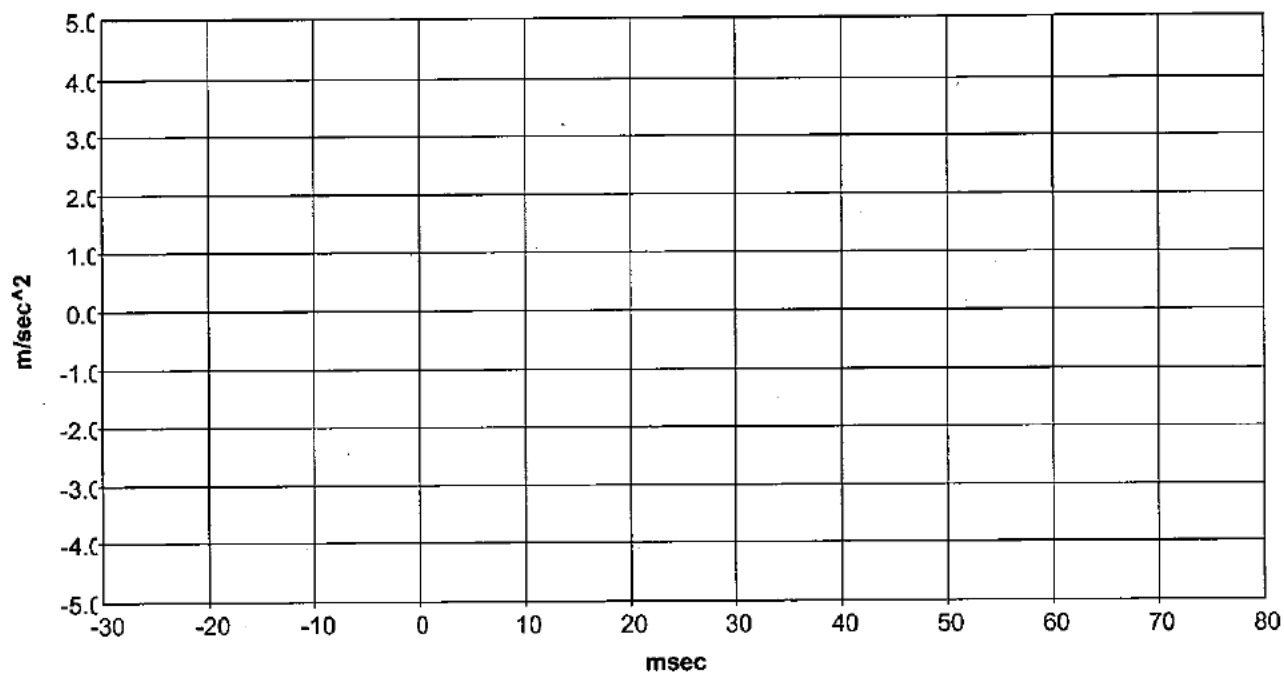
Side Satellite Sensor 1



## Deployment Time Marker Key

|   |                                    |
|---|------------------------------------|
| 1 | Driver/Passenger Pretensioner      |
| 2 | Side Airbag                        |
| 3 | Rear Window Airbag Deployment Time |

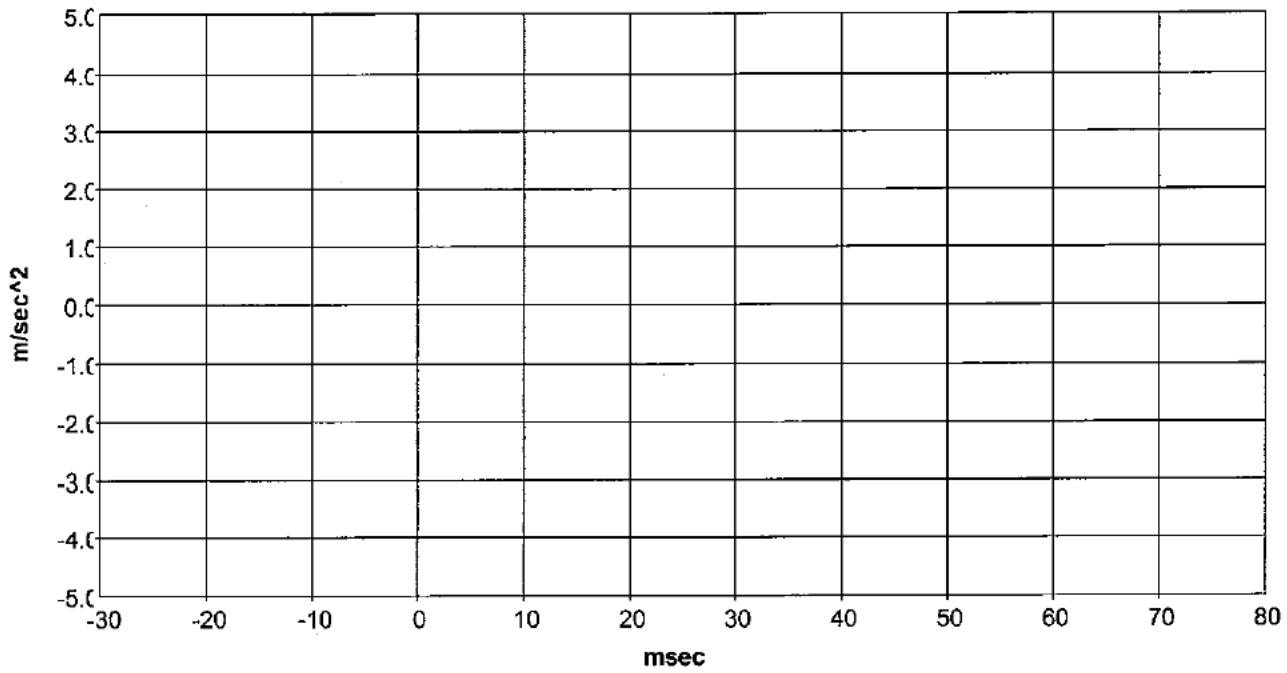
**Side Satellite Sensor 2**



**Deployment Time Marker Key**

|   |                                    |
|---|------------------------------------|
| 1 | Driver/Passenger Pretensioner      |
| 2 | Side Airbag                        |
| 3 | Rear Window Airbag Deployment Time |

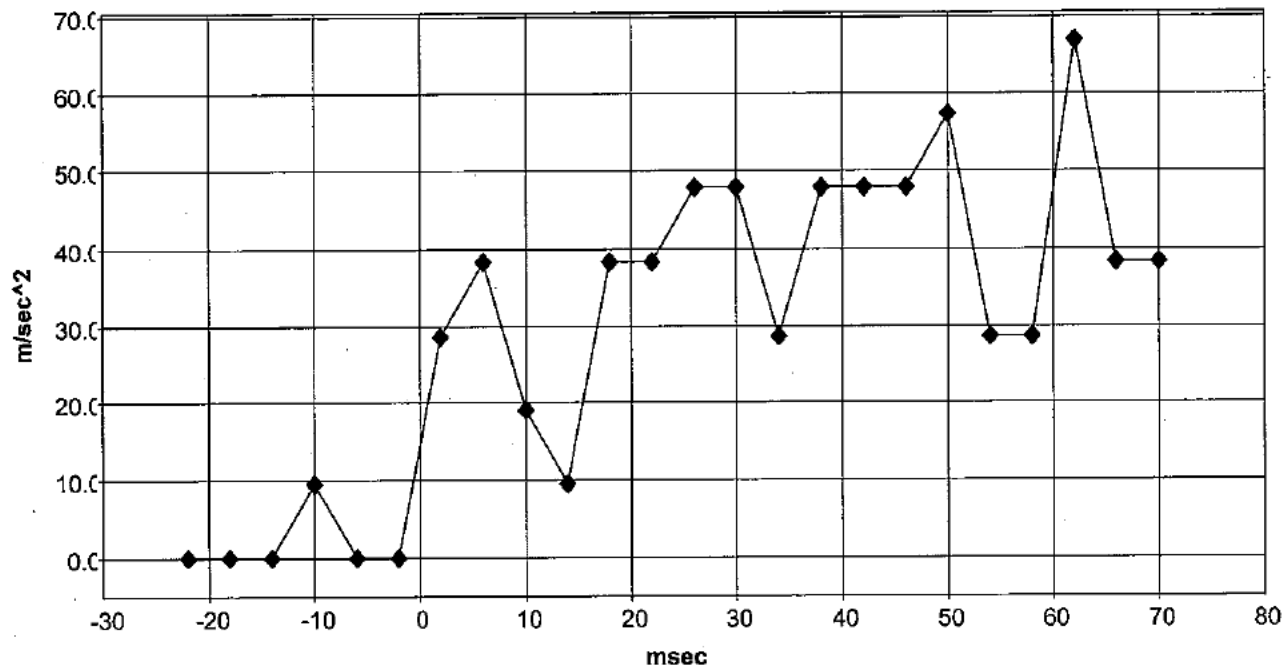
Side Satellite Sensor 3



Deployment Time Marker Key

|   |                     |
|---|---------------------|
| 1 | Side Curtain Airbag |
|---|---------------------|

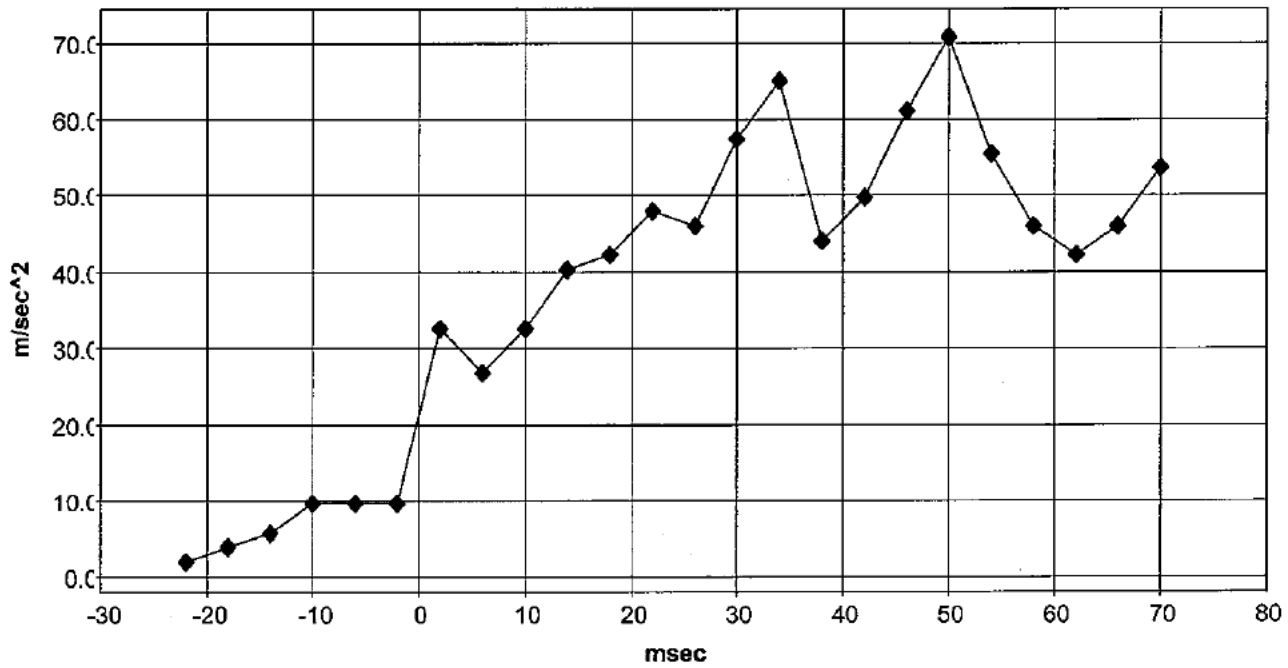
Side Satellite Sensor 4



Deployment Time Marker Key

|   |                     |
|---|---------------------|
| 1 | Side Curtain Airbag |
|---|---------------------|

Floor Sensor



Deployment Time Marker Key

|   |                                    |
|---|------------------------------------|
| 1 | Driver/Passenger Pretensioner      |
| 2 | Side Airbag                        |
| 3 | Rear Window Airbag Deployment Time |
| 4 | Side Curtain Airbag                |

**Lateral Crash Pulse (3rd Prior Event, TRG 1 - table 2 of 2)**

| Time (msec) | Lateral<br>Acceleration, Side<br>Satellite Sensor 1<br>(m/sec <sup>2</sup> ) | Lateral<br>Acceleration, Side<br>Satellite Sensor 2<br>(m/sec <sup>2</sup> ) | Lateral<br>Acceleration, Side<br>Satellite Sensor 3<br>(m/sec <sup>2</sup> ) | Lateral<br>Acceleration, Side<br>Satellite Sensor 4<br>(m/sec <sup>2</sup> ) | Lateral<br>Acceleration for<br>Side Crash, Floor<br>Sensor<br>(m/sec <sup>2</sup> ) |
|-------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| -22         | 38.3                                                                         | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 1.9                                                                                 |
| -18         | 57.5                                                                         | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 3.8                                                                                 |
| -14         | 134.1                                                                        | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 5.7                                                                                 |
| -10         | -76.6                                                                        | SNA                                                                          | SNA                                                                          | 9.6                                                                          | 9.6                                                                                 |
| -6          | -153.2                                                                       | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 9.6                                                                                 |
| -2          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 0.0                                                                          | 9.6                                                                                 |
| 2           | 76.6                                                                         | SNA                                                                          | SNA                                                                          | 28.7                                                                         | 32.6                                                                                |
| 6           | 76.6                                                                         | SNA                                                                          | SNA                                                                          | 38.3                                                                         | 26.8                                                                                |
| 10          | 38.3                                                                         | SNA                                                                          | SNA                                                                          | 19.2                                                                         | 32.6                                                                                |
| 14          | 134.1                                                                        | SNA                                                                          | SNA                                                                          | 9.6                                                                          | 40.2                                                                                |
| 18          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 38.3                                                                         | 42.1                                                                                |
| 22          | 38.3                                                                         | SNA                                                                          | SNA                                                                          | 38.3                                                                         | 47.9                                                                                |
| 26          | 38.3                                                                         | SNA                                                                          | SNA                                                                          | 47.9                                                                         | 46.0                                                                                |
| 30          | 249.0                                                                        | SNA                                                                          | SNA                                                                          | 47.9                                                                         | 57.5                                                                                |
| 34          | 191.5                                                                        | SNA                                                                          | SNA                                                                          | 28.7                                                                         | 65.1                                                                                |
| 38          | 95.8                                                                         | SNA                                                                          | SNA                                                                          | 47.9                                                                         | 44.1                                                                                |
| 42          | -172.4                                                                       | SNA                                                                          | SNA                                                                          | 47.9                                                                         | 49.8                                                                                |
| 46          | -134.1                                                                       | SNA                                                                          | SNA                                                                          | 47.9                                                                         | 61.3                                                                                |
| 50          | 57.5                                                                         | SNA                                                                          | SNA                                                                          | 57.5                                                                         | 70.9                                                                                |
| 54          | 153.2                                                                        | SNA                                                                          | SNA                                                                          | 28.7                                                                         | 55.5                                                                                |
| 58          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 28.7                                                                         | 46.0                                                                                |
| 62          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 67.0                                                                         | 42.1                                                                                |
| 66          | 0.0                                                                          | SNA                                                                          | SNA                                                                          | 38.3                                                                         | 46.0                                                                                |
| 70          | 38.3                                                                         | SNA                                                                          | SNA                                                                          | 38.3                                                                         | 53.6                                                                                |

**DTCs Present at Time of Event (3rd Prior Event, TRG 1)**

|                                                     |          |
|-----------------------------------------------------|----------|
| Recording Status, Diagnostic                        | Complete |
| Ignition Cycle Since DTC was Set (times)            | 0        |
| Airbag Warning Lamp ON Time Since DTC was Set (min) | 0        |
| Diagnostic Trouble Codes                            | None     |

**Pre-Crash Data, 1 Sample (3rd Prior Event, TRG 1)**

|                                                           |              |
|-----------------------------------------------------------|--------------|
| Recording Status, Pre-Crash/Occupant                      | Complete     |
| Time from Pre-Crash to TRG (msec)                         | 400          |
| TRG Count when Pre-crash TRG was Established (times)      | 1            |
| Safety Belt Status, Driver                                | ON           |
| Safety Belt Status, Front Passenger                       | OFF          |
| Occupant Size Classification, Front Passenger             | Not Occupied |
| Frontal Airbag Suppression Switch Status, Front Passenger | SNA          |
| RSCA Disable Switch                                       | SNA          |
| Seat Track Position Switch, Foremost, Status, Driver      | No           |
| Airbag Warning Lamp, On/Off                               | OFF          |
| Ignition Cycle, Crash (times)                             | 1587         |

### Pre-Crash Data, -5 to 0 seconds (3rd Prior Event, TRG 1)

| Time (sec)                    | -4.9         | -4.4         | -3.9         | -3.4         | -2.9         | -2.4         | -1.9         | -1.4         |     |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-----|
| Vehicle Speed (MPH [km/h])    | 0 [0]        | 1.2 [2]      | 3.7 [6]      | 5 [8]        | 5.6 [9]      | 8.7 [14]     | 10.6 [17]    | 12.4 [20]    | 1.  |
| Accelerator Pedal, % Full (%) | 16.5         | 17.0         | 15.5         | 10.0         | 24.0         | 24.5         | 24.0         | 24.0         |     |
| Percentage of Engine Throttle | 4.0          | 6.5          | 6.5          | 3.0          | 13.5         | 13.5         | 12.5         | 15.0         |     |
| Engine RPM (RPM)              | 600          | 1,400        | 1,500        | 1,100        | 1,600        | 1,900        | 2,100        | 2,000        |     |
| Motor RPM (RPM)               | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | I   |
| Service Brake, ON/OFF         | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Brake Oil Pressure (Mpa)      | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         | 0.00         |     |
| Longitudinal Acceleration ,   | 0.574        | 2.656        | 2.656        | 0.933        | 2.728        | 2.799        | 2.082        | 1.795        |     |
| Yaw Rate (deg/sec)            | 0.00         | 0.00         | 0.49         | 0.00         | -0.98        | -1.95        | -5.86        | -13.18       |     |
| Steering Input (degrees)      | 6.0          | 6.0          | 6.0          | 1.5          | -19.5        | -33.0        | -66.0        | -106.5       |     |
| Shift Position                | D            | D            | D            | D            | D            | D            | D            | D            |     |
| Sequential Shift Range        | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Undetermined | Und |
| Cruise Control Status         | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, PWR               | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, ECO               | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, Sport             | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, Snow              | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          | OFF          |     |
| Drive Mode, EV                | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | I   |
| Fuel Injection Quantity       | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | Invalid      | I   |

## Hexadecimal Data

Data that the vehicle manufacturer has specified for data retrieval is shown in the hexadecimal data section of the CDR report. The hexadecimal data section of the CDR report may contain data that is not translated by the CDR program. The control module contains additional data that is not retrievable by the CDR system.

| PIDs | PID | Data                                                                                                                                                                                                     |
|------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | 00  | BC 60 00 01                                                                                                                                                                                              |
|      | 01  | 00                                                                                                                                                                                                       |
|      | 03  | 30 45 31 37 30 30 30 30 45 36 30 30 30 45 36 30 30 30 45 38 30 30<br>30 45 38 30 30 30 45 42 30 30 30 45 42                                                                                              |
|      | 04  | 02 02 01 01                                                                                                                                                                                              |
|      | 05  | 01                                                                                                                                                                                                       |
|      | 06  | 00                                                                                                                                                                                                       |
|      | 0A  | 01                                                                                                                                                                                                       |
|      | 0B  | 00                                                                                                                                                                                                       |
|      | 20  | 80 00 00 01                                                                                                                                                                                              |
|      | 21  | 02 9F                                                                                                                                                                                                    |
|      | 40  | 00 00 00 01                                                                                                                                                                                              |
|      | 60  | FF FF F0 01                                                                                                                                                                                              |
|      | 61  | 02 05 E8 00 C0 E0 05 00 02 80 02 80 00 00 00 00 00 00 00 00 05 00<br>05 00 19 00 29 B1 85 5F 40 00                                                                                                       |
|      | 62  | 00 00 3F FD 06 53 00 00 00 00                                                                                                                                                                            |
|      | 63  | 55 1C 06 33 10 10 00 00 11 11 11 11 10 00 02 06 08 09 0E 11 14<br>17 1A 1C 21 22 1F 14 30 31 30 30 36 34 32 00 00 00 06 0E 0F 0B 10<br>13 15 14 13 14 14 00 00 00 00 00 00 00 00 01                      |
|      | 64  | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00    |
|      | 65  | 55 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00                                                                                                                                           |
|      | 66  | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00                                                                                                                                           |
|      | 67  | 55 20 5B 00 03 FE FE FE FE FE 55 FD FD FF FE FF FE FF FE FF FE 03<br>FE                                                                                                                                  |
|      | 68  | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00                                                                                                                                     |
|      | 69  | 00 94 0D 00 00 3F FC 3F F9 3F F5 3F F1 3F ED 3F E7 3F E3 3F E0 3F<br>DF 3F DD 3F DC 3F DB 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00 00 00 00 00 00 00 00 00 00 00 00 3F DB 00 EF                |
|      | 6A  | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00       |
|      | 6B  | 55 E0 00 00 01 FE FE FE FE 55 02 02 03 07 FC F8 00 04 04 02 07 00<br>02 02 0D 0A 05 F7 F9 03 08 00 00 00 02 00 00 00 00 00 00 00 00 00<br>00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 |
|      | 6C  | 55 00 60 00 04 FE FE FE FE 55 01 04 02 03 00 00 01 FF 01 00 FE 00<br>02 02 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00    |
|      | 6D  | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00 00 00 00 00 01 00 00 03 04 02 01 04 04 05 05 03 05 05 05 06 03<br>03 07 04 04 00 FE 01 FE 01 FE 01 FE 01 FE                         |
|      | 6E  | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00 00 06 00 01 03 03 05 01 02 00 04 01 01 00 00 00 00 00 00 00<br>00 00 00 00 00 FE 01 FE 01 FE 01 FE                                  |
|      | 6F  | 55 FF FE 10 29 00 02 55 F5 FE 00 02 03 02 00 FD FD FE FD E7 F4 3D<br>28 DE D4 E7 F3 FA 01 09 14 1F 16 06 FF FC F9 F8 FA FF 02 04 06 04<br>01 FF FD FC FE FF 95 FF 56                                     |
|      | 70  | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00       |
|      | 71  | FF FF FF FF FF FF FF FF F9 E6 F6 05 02 01 00 FE FF FF FF FE FF<br>00 00 02 02 01 00 00 00 00 00 00 00 00 00 00 00 FF FF FE                                                                               |
|      | 72  | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00                                                                         |
|      | 73  | 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00<br>00 00 01 00 FE FC F4 E5 DD D5 D2 08 25 25 0D 26 27 1D 19 17 17 14<br>08 0D 0D 06 1B 1B 19 1E 21 1E 1C 00 00 00                         |

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74  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
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A0  0C 00 1F 81
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    FE FE FE FE FE FE FE FE FE FE FE 14 1F 20 1C 24 23 23 25 26 25 24
    FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE FE

A6  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
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B4  FF FE FD FB FB FB EF F2 EF EB EA E7 E8 E2 DE E9 E6 E0 DB E3 E8 EA
    E8 E4 01 FE
B5  E1 E8 E9 EC EA E4 ED F2 F2 F6 F9 FA FB FF 00 01 00 FF FF 03 03 02
    01 07 01 FE
B6  00 E4 E5 DF E6 E7 E4 EB E9 F3 FA FE 00 00 00 00 00 00 00 00 00
    00 00 00 00 03 FE
B7  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00
    00 00 00 00 00 00
B8  00 04 00 04 00 04 00 01 03 F3 03 EA 03 D4 03 B9 03 AA 03 A1 03 A1
B9  00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

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### **Disclaimer of Liability**

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# CARSTAR SCHLENKER'S COLLISION CENTER

RELAX WE'LL TAKE IT FROM HERE  
385 BARTON BLVD, ROCKLEDGE, FL 32955  
Phone: (321) 632-5436  
FAX: (321) 632-5002

Workfile ID:  
Federal ID:

592189214

## Estimate of Record

Customer: [REDACTED]

Job Number:

Written By: Kim McCord, 03/11/2015 12:05:02 PM  
Adjuster: Hawking, Brian, (800) 531-8722 Business

Insured: [REDACTED]  
Type of Loss: Collision  
Point of Impact: 09 Left T-Bone

Policy #: [REDACTED]  
Date of Loss: 02/27/2015 12:00:00 PM

Claim #: [REDACTED]  
Days to Repair: 29

Owner: [REDACTED]  
[REDACTED]  
MELBOURNE, FL

Evening  
Cell

Inspection Location:  
UNKNOWN  
Other

Insurance Company:  
USAA  
UNIT 3122  
PO BOX 659461  
Visit us at "USAA.com" or call  
SAN ANTONIO, TX 78265  
(800) 531-8722 Business

## VEHICLE

Year: 2014  
Make: LEXU  
Model: RX350 4X4  
Color: GREY Int:

Body Style: 4D UTV  
Engine: 6-3.5L-FI  
Production Date: 10/2013  
Condition:

VIN: 2T2BK1BA5EC [REDACTED]  
License: [REDACTED]  
State: FL  
Job #:

Mileage In: 13305  
Mileage Out:  
Vehicle Out:

### TRANSMISSION

Automatic Transmission  
4 Wheel Drive

### POWER

Power Steering  
Power Brakes  
Power Windows  
Power Locks  
Power Mirrors  
Heated Mirrors  
Power Driver Seat  
Power Passenger Seat

### DECOR

Dual Mirrors  
Privacy Glass  
Console/Storage  
Overhead Console

### CONVENIENCE

Air Conditioning  
Intermittent Wipers  
Tilt Wheel  
Cruise Control  
Rear Defogger  
Keyless Entry  
Alarm  
Steering Wheel Touch Controls  
Rear Window Wiper  
Telescopic Wheel  
Climate Control  
Home Link

### RADIO

AM Radio  
FM Radio  
Stereo

### Search/Seek

CD Player  
Auxiliary Audio Connection  
Satellite Radio

### SAFETY

Drivers Side Air Bag  
Passenger Air Bag  
Anti-Lock Brakes (4)  
4 Wheel Disc Brakes  
Traction Control  
Stability Control  
Front Side Impact Air Bags  
Head/Curtain Air Bags  
Rear Side Impact Air Bags  
Communications System  
Hands Free Device

### SEATS

Bucket Seats  
Reclining/Lounge Seats  
Leather Seats

### WHEELS

Aluminum/Alloy Wheels

### PAINT

Clear Coat Paint  
Metallic Paint

### OTHER

Fog Lamps  
Rear Spoiler  
Signal Integrated Mirrors

### TRUCK

Rear Step Bumper  
Power Trunk/Gate Release

# Estimate of Record

Customer: [REDACTED]

Job Number:

Vehicle: 2014 LEXU RX350 4X4 4D UTV 6-3.5L-FI GREY

| Line | Oper | Description                                                       | Part Number  | Qty | Extended Price \$ | Labor | Paint |
|------|------|-------------------------------------------------------------------|--------------|-----|-------------------|-------|-------|
| 1    |      | <b>FRONT BUMPER</b>                                               |              |     |                   |       |       |
| 2    |      | O/H front bumper                                                  |              |     |                   | 3.2   |       |
| 3    | Repl | Bumper cover w/o park sensor w/o lamp wash                        | 521190E918   | 1   | 413.50            | Incl. | 2.8   |
| 4    |      | Add for Clear Coat                                                |              |     |                   |       | 1.1   |
| 5    |      | <b>FENDER</b>                                                     |              |     |                   |       |       |
| 6    | *    | Rpr LT Fender assy Japan built                                    |              |     |                   | 4.0   | 2.2   |
| 7    | R&I  | LT Upper seal Japan built                                         |              |     |                   | 0.2   |       |
| 8    | R&I  | LT Reinforcement Japan built                                      |              |     |                   | 0.2   |       |
| 9    | R&I  | LT Fender liner w/o Sport bumper                                  |              |     |                   | 0.5   |       |
| 10   | Repl | LT Fender liner retainer                                          | 5216102020   | 6   | 14.16             |       |       |
| 11   |      | <b>HOOD</b>                                                       |              |     |                   |       |       |
| 12   | Blnd | Hood (HSS)                                                        |              |     |                   |       | 1.4   |
| 13   |      | <b>FRONT DOOR</b>                                                 |              |     |                   |       |       |
| 14   | Repl | LT Door shell                                                     | 670020E070   | 1   | 730.62            | 5.8   | 3.0   |
| 15   |      | Overlap Major Adj. Panel                                          |              |     |                   |       | -0.4  |
| 16   | Repl | LT Belt molding                                                   | 757200E020   | 1   | 109.53            | Incl. |       |
| 17   | Repl | LT Window molding                                                 | 757540E010   | 1   | 75.97             | 0.2   |       |
| 18   | Repl | LT Window molding rivet                                           | 90269A0006   | 6   | 3.30              |       |       |
| 19   | Repl | LT Applique panel                                                 | 757560E020   | 1   | 65.47             | Incl. |       |
| 20   | Repl | LT Mirror assy Japan built, w/o memory, w/o blind spot garnet red | 8794048522D1 | 1   | 405.77            | Incl. | 0.7   |
| 21   |      | Overlap Minor Panel                                               |              |     |                   |       | -0.2  |
| 22   | Repl | LT Door glass Lexus all                                           | 681020E051   | 1   | 428.54            | Incl. |       |
| 23   | Repl | RT Run channel                                                    | 681410E020   | 1   | 96.31             | 0.3   |       |
| 24   | Repl | LT Sash channel                                                   | 674040E021   | 1   | 49.13             | 0.2   |       |
| 25   | Repl | LT Window regulator                                               | 698020E020   | 1   | 198.35            | Incl. |       |
| 26   | Repl | LT Handle, outside Japan built lapis lazuli                       | 692200E010J2 | 1   | 235.40            | Incl. | 0.5   |
| 27   |      | Overlap Minor Panel                                               |              |     |                   |       | -0.2  |
| 28   | Repl | LT Door trim panel Japan built, w/memory package black/saddle     | 6762048A20C6 | 1   | 1,289.54          | 0.6   |       |
| 29   | R&I  | LT Water shield                                                   |              |     |                   | Incl. |       |
| 30   | Repl | LT Door w/strip Japan built                                       | 6786248070   | 1   | 120.37            | Incl. |       |
| 31   | Repl | LT Front molding                                                  | 7575248010   | 1   | 36.02             | 0.2   |       |
| 32   | Repl | LT Front molding rivet                                            | 90269A0006   | 2   | 1.10              |       |       |
| 33   | Repl | LT Window trim Japan built                                        | 6766448031   | 1   | 122.46            | 0.2   |       |
| 34   | Repl | LT Lower molding                                                  | 750720E010   | 1   | 231.22            | 0.3   |       |
| 35   | Repl | LT Lower door trim                                                | 757360E010   | 1   | 140.57            | 0.3   |       |
| 36   | Repl | LT Run channel                                                    | 681510E020   | 1   | 96.31             | Incl. |       |
| 37   |      | <b>REAR DOOR</b>                                                  |              |     |                   |       |       |
| 38   | Repl | LT Door shell                                                     | 670040E090   | 1   | 610.76            | 5.3   | 3.0   |

# Estimate of Record

Customer: [REDACTED]

Job Number:

Vehicle: 2014 LEXU RX350 4X4 4D UTV 6-3.5L-FI GREY

|    |   |                                                        |              |   |          |       |      |
|----|---|--------------------------------------------------------|--------------|---|----------|-------|------|
| 39 |   | Overlap Major Adj. Panel                               |              |   |          |       | -0.4 |
| 40 |   | Repl LT Belt molding                                   | 757400E020   | 1 | 92.33    | Incl. |      |
| 41 |   | Repl LT Window molding                                 | 757640E010   | 1 | 61.26    | 0.2   |      |
| 42 |   | Repl LT Applique panel                                 | 757080E020   | 1 | 52.47    | Incl. |      |
| 43 |   | Repl LT Window trim Japan built                        | 6767448031   | 1 | 122.46   | 0.2   |      |
| 44 | * | Repl LT Handle, outside Canada built lapis lazuli      | 692200E040J1 | 1 | 44.27    | Incl. | 0.0  |
| 45 |   | R&I LT Water shield                                    |              |   |          | Incl. |      |
| 46 |   | Repl LT Door w'strip                                   | 678720E020   | 1 | 120.37   | Incl. |      |
| 47 |   | Repl LT Sash channel                                   | 674080E020   | 1 | 49.13    |       |      |
| 48 |   | Repl LT Lower molding                                  | 750760E010   | 1 | 159.90   | 0.3   |      |
| 49 |   | Repl LT Weatherstrip                                   | 678950E010   | 1 | 26.10    | Incl. |      |
| 50 |   | Repl LT Protector                                      | 678580E010   | 1 | 61.41    | 0.3   |      |
| 51 |   | Repl LT Protector guide                                | 8149650010   | 2 | 3.44     |       |      |
| 52 |   | Repl LT Door glass Lexus                               | 681040E020   | 1 | 316.89   | Incl. |      |
| 53 |   | Repl LT Rear molding                                   | 7576648011   | 1 | 49.92    | 0.2   |      |
| 54 |   | Repl LT Rear molding rivet                             | 90269A0006   | 3 | 1.65     |       |      |
| 55 |   | Repl LT Upper hinge Canada built                       | 6876006010   | 1 | 41.75    | 0.3   | 0.3  |
| 56 |   | Repl LT Lower hinge Canada built                       | 6878002050   | 1 | 46.58    | 0.3   | 0.3  |
| 57 |   | <b>PILLARS, ROCKER &amp; FLOOR</b>                     |              |   |          |       |      |
| 58 |   | Repl LT Center pillar                                  | 613120E040   | 1 | 254.28 s | 10.5  | 2.0  |
| 59 |   | Repl LT Inner center plr Japan built (HSS)             | 613080E020   | 1 | 254.28 s | 1.2   | 0.8  |
| 60 |   | Overlap Minor Panel                                    |              |   |          |       | -0.2 |
| 61 |   | Repl LT Rocker reinf Japan built (HSS)                 | 6140248902   | 1 | 353.54 s | 5.5   | 1.6  |
| 62 | # | Rpr SET-UP & MEASURE                                   |              |   |          | 2.0 F |      |
| 63 | * | Repl LT Fixed glass Lexus                              | 621200E010   | 1 | 65.48    | 0.0   |      |
| 64 | # | Rpr PULL SQUARE & ALIGN                                |              |   |          | 4.0 F |      |
| 65 | # | Subl glass install                                     |              | 1 | 220.00 T |       |      |
|    |   | Note: VENT WINDOW IN FRT AND QT WINDOW FOR QT REFINISH |              |   |          |       |      |
| 66 | * | Rpr LT Hinge pillar Japan built                        |              |   | s        | 3.0   | 1.6  |
| 67 |   | Overlap Major Non-Adj. Panel                           |              |   |          |       | -0.2 |
| 68 |   | Repl RT Lwr ctr plr trim Japan built black             | 624130E020C0 | 1 | 204.88   | 0.2   |      |
| 69 |   | Repl LT Lwr ctr plr trim Japan built black             | 624140E020C0 | 1 | 204.88   | Incl. |      |
| 70 |   | Repl LT Uptr ctr plr trim black Japan built            | 6242048081C0 | 1 | 193.37   | Incl. |      |
| 71 |   | Repl LT Rocker molding                                 | 758600E020   | 1 | 404.97   | 0.8   |      |
| 72 |   | R&I RT Floor cover right side                          |              |   |          | 0.3   |      |
| 73 |   | R&I LT Floor cover left front                          |              |   |          | 0.3   |      |
| 74 |   | R&I LT Floor cover left rear                           |              |   |          | 0.4   |      |
| 75 |   | R&I RT Stay right side Japan built                     |              |   |          | 0.3   |      |
| 76 | * | Rpr Center floor pan Japan built                       |              |   |          | 4.0   | 1.0  |
| 77 |   | Overlap Major Non-Adj. Panel                           |              |   |          |       | -0.2 |
| 78 |   | <b>QUARTER PANEL</b>                                   |              |   |          |       |      |

# Estimate of Record

Customer: [REDACTED]

Job Number:

Vehicle: 2014 LEXU RX350 4X4 4D UTV 6-3.5L-FI GREY

|                                                                              |                           |      |                                                           |            |   |                  |             |             |
|------------------------------------------------------------------------------|---------------------------|------|-----------------------------------------------------------|------------|---|------------------|-------------|-------------|
| 79                                                                           | *                         | Rpr  | LT Quarter panel Japan built                              |            |   |                  | 8.0         | 2.2         |
| 80                                                                           |                           |      | Overlap Major Non-Adj. Panel                              |            |   |                  |             | -0.2        |
| 81                                                                           |                           | R&I  | LT Wheelhouse liner                                       |            |   |                  | 0.3         |             |
| 82                                                                           |                           | R&I  | Fuel door Canada built                                    |            |   |                  | 0.3         |             |
| 83                                                                           | *                         | Rpr  | Fuel door Canada built                                    |            |   |                  | 0.5         | 0.3         |
| 84                                                                           |                           |      | Clear Coat                                                |            |   |                  |             | 2.5         |
| 85                                                                           |                           | Repl | LT Seal strip                                             | 758740E010 | 1 | 37.76            | 0.3         |             |
| 86                                                                           |                           | Repl | LT Seal strip grommet                                     | 9018904231 | 5 | 4.30             |             |             |
| 87                                                                           | <b>REAR LAMPS</b>         |      |                                                           |            |   |                  |             |             |
| 88                                                                           |                           | R&I  | LT Lens & housing                                         |            |   |                  | 0.3         |             |
| 89                                                                           | <b>REAR BUMPER</b>        |      |                                                           |            |   |                  |             |             |
| 90                                                                           |                           | R&I  | R&I bumper cover                                          |            |   |                  | 1.1         |             |
| 91                                                                           | *                         | Rpr  | Bumper cover w/o park sensors                             |            |   |                  | 1.5         | 2.8         |
| 92                                                                           |                           |      | Add for Clear Coat                                        |            |   |                  |             | 1.1         |
| 93                                                                           | <b>RESTRAINT SYSTEMS</b>  |      |                                                           |            |   |                  |             |             |
| 94                                                                           |                           | R&I  | LT Belt & retractor Japan built, w/o precrash black/black |            |   |                  | Incl.       |             |
| 95                                                                           | <b>ELECTRICAL</b>         |      |                                                           |            |   |                  |             |             |
| 96                                                                           |                           | R&I  | TPMS sensor Japan built                                   |            |   | m                | 0.1         |             |
| 97                                                                           | <b>REAR SUSPENSION</b>    |      |                                                           |            |   |                  |             |             |
| 98                                                                           |                           | Repl | LT Knuckle                                                | 423050E020 | 1 | 507.84 m         | 2.0 M       |             |
| 99                                                                           |                           | Repl | LT Hub & bearing                                          | 424100E031 | 1 | 403.98 m         | Incl.       |             |
| 100                                                                          | <b>WHEELS</b>             |      |                                                           |            |   |                  |             |             |
| 101                                                                          |                           | Repl | LT/Rear Wheel, alloy 18" Type A                           | 4261148641 | 1 | 492.94 m         | 0.3         |             |
| 102                                                                          | <b>SEATS &amp; TRACKS</b> |      |                                                           |            |   |                  |             |             |
| 103                                                                          | *                         | R&I  | LT Seat assy w/o leather gray                             |            |   |                  | 0.8         |             |
| 104                                                                          | *                         | R&I  | Seat assy w/o leather gray                                |            |   |                  | 0.8         |             |
| 105                                                                          | #                         | R&I  | rollback carpet                                           |            |   |                  | 1.0         |             |
| 106                                                                          | #                         |      | hazardous waste removal                                   |            | 1 | 3.50             |             |             |
| 107                                                                          | #                         |      | flex additive                                             |            | 1 | 5.00             |             |             |
| 108                                                                          | #                         |      | car cover                                                 |            | 1 | 10.00            |             |             |
| 109                                                                          | #                         | Repl | corrosion protection                                      |            | 1 | 10.00            |             |             |
| 110                                                                          | #                         |      | 4 wheel alignment                                         |            | 1 | 79.95            |             |             |
| 111                                                                          | #                         | Repl | SEAM SEALER (PER QUARTER TUBE)                            |            | 2 | 26.50            |             |             |
| 112                                                                          | #                         |      | TIRE MOUNT & BALANCE                                      |            | 1 | 12.50            |             |             |
| 113                                                                          | #                         | Repl | 3m tape on fender and hood                                |            | 1 | 550.00           | 2.0         |             |
| Note: CLEAR BRA LABOR TIME IS TO REMOVE TO REPAIR AND PAINT EXTISTING PANELS |                           |      |                                                           |            |   |                  |             |             |
| 114                                                                          | #                         | Repl | FACTORY SPECIFIC CLIPS                                    |            | 1 | 12.00            |             |             |
| 115                                                                          | #                         |      | GLASS CLEAN UP                                            |            | 1 |                  | 0.5         |             |
| 116                                                                          | #                         | Repl | SOUND DEADENER                                            |            | 1 | 20.00            | 0.5         |             |
| <b>SUBTOTALS</b>                                                             |                           |      |                                                           |            |   | <b>11,056.28</b> | <b>76.1</b> | <b>29.2</b> |

Prior Damage Notes:

- 1 month after*
- TINTED WINDOWS
  - CLEAR BRA (HOOD, MIRROR, DRS)
  - DETAIL (RAINED ON)
  - REMOTE START
  - BACKUP CAMERA

# Estimate of Record

Customer: [REDACTED]

Job Number:

Vehicle: 2014 LEXU RX350 4X4 4D UTV 6-3.5L-FI GREY

none

## ESTIMATE TOTALS

| Category             | Basis        |   |  | Rate         | Cost \$          |
|----------------------|--------------|---|--|--------------|------------------|
| Parts                |              |   |  |              | 10,836.28        |
| Body Labor           | 68.1 hrs     | @ |  | \$ 44.00 /hr | 2,996.40         |
| Paint Labor          | 29.2 hrs     | @ |  | \$ 44.00 /hr | 1,284.80         |
| Mechanical Labor     | 2.0 hrs      | @ |  | \$ 65.00 /hr | 130.00           |
| Frame Labor          | 6.0 hrs      | @ |  | \$ 44.00 /hr | 264.00           |
| Paint Supplies       |              |   |  |              | 450.00           |
| Miscellaneous        |              |   |  |              | 220.00           |
| Subtotal             |              |   |  |              | 16,181.48        |
| Sales Tax            | \$ 16,181.48 | @ |  | 6.5000 %     | 1,051.80         |
| <b>Grand Total</b>   |              |   |  |              | <b>17,233.28</b> |
| Deductible           |              |   |  |              | 100.00           |
| <b>CUSTOMER PAY</b>  |              |   |  |              | <b>100.00</b>    |
| <b>INSURANCE PAY</b> |              |   |  |              | <b>17,133.28</b> |

Any person who knowingly and with intent to injure, defraud, or deceive any insurer files a statement of claim or application containing any false, incomplete, or misleading information is guilty of a felony of the third degree

A charge for hazardous waste removal will be charged only if indicated as a line item on estimate

INTENDED METHOD OF PAYMENT \_\_\_\_\_ CASH \_\_\_\_\_ CREDIT CARD \_\_\_\_\_ INSURANCE CHECK

PLEASE BE AWARE NO PERSONAL CHECKS ACCEPTED

Please indicate prior to repair if you request old parts from repair

All repairs carry a 12 month 12,000 mile warranty unless otherwise stated

PLEASE READ CAREFULLY, CHECK ONE OF THE STATEMENTS BELOW, AND SIGN:

☐ I UNDERSTAND THAT, UNDER STATE LAW, I AM ENTITLED TO A WRITTEN ESTIMATE IF MY FINAL BILL WILL EXCEED \$100.

\_\_\_\_\_ I REQUEST A WRITTEN ESTIMATE

\_\_\_\_\_ I DO NOT REQUEST A WRITTEN ESTIMATE LONG AS THE REPAIR COSTS DO NOT EXCEED \$\_\_\_\_ THE SHOP MAY NOT EXCEED THIS AMOUNT WITHOUT MY WRITTEN OR ORAL APPROVAL

\_\_\_\_\_ I DO NOT REQUEST A WRITTEN ESTIMATE

SIGNED \_\_\_\_\_ DATE \_\_\_\_\_

## Estimate of Record

Customer: [REDACTED]

Job Number:

Vehicle: 2014 LEXU RX350 4X4 4D UTV 6-3.5L-FI GREY

Please Present A Copy Of This Estimate To A Repair Facility Of Your Choice

\*USAA Subsidiaries include: United Services Automobile Association(USAA), USAA Casualty Insurance Company(CIC), USAA General Indemnity Company(GIC) USAA County Mutual Insurance(CMI) and Garrison Property Casualty Insurance Company. Garrison Property and Casualty Insurance Company, a subsidiary of USAA Casualty Insurance Company, is authorized to use the USAA logo, a registered trademark of United Services Automobile Association.

This is not an authorization to repair. Failing to present this estimate to the repairing garage before repair may result in additional expenses to you. A USAA appraiser must authorize any supplement to this estimate. Repairs to this vehicle may require specific welding equipment as recommended by the manufacturer.

If alternative quality replacement parts have been included in this appraisal, the source for these parts has also been disclosed. If alternative quality replacement parts as listed on the appraisal are ultimately used in the repair of your vehicle, the warranty on such parts will be equal to, or greater than, the parts being replaced, as stated in USAA's limited parts warranty. USAA warrants that the parts used on your vehicle will be of like kind and quality, function, fit, safety and corrosion protection as the part or parts they replace. USAA identifies certified and validated parts for sheet metal replacement parts.

Please Present A Copy Of This Estimate To A Repair Facility of Your Choice \*USAA Subsidiaries Include United Services Automobile Association (USAA) , USAA Casualty Insurance Company (CIC) , USAA General Indemnity Company (GIC) , USAA County Mutual Insurance (CMI) and Garrison Property Casualty Insurance Company. Garrison Property and Casualty Insurance Company, a subsidiary of USAA Casualty Insurance Company, is authorized to use the USAA logo, a registered trademark of United Services Automobile Association.

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## Estimate of Record

Customer: [REDACTED]

Job Number:

Vehicle: 2014 LEXU RX350 4X4 4D UTV 6-3.5L-FI GREY

ANY PERSON WHO KNOWINGLY AND WITH INTENT TO INJURE, DEFRAUD, OR DECEIVE ANY INSURER FILES A STATEMENT OF CLAIM OR AN APPLICATION CONTAINING ANY FALSE, INCOMPLETE, OR MISLEADING INFORMATION IS GUILTY OF A FELONY OF THE THIRD DEGREE (FLORIDA STATUTES TITLE XLVI, CHAPTER 817.234). FAILURE TO USE THE INSURANCE PROCEEDS IN ACCORDANCE WITH THE SECURITY AGREEMENT, IF ANY, COULD BE A VIOLATION OF S. 812.014, FLORIDA STATUTES. IF YOU HAVE ANY QUESTIONS, CONTACT YOUR LENDING INSTITUTION. IF A CHARGE FOR SHOP SUPPLIES OR HAZARDOUS OR OTHER WASTE REMOVAL IS INCLUDED ON THIS ESTIMATE, PLEASE NOTE THE FOLLOWING: "THIS CHARGE REPRESENTS COSTS AND PROFITS TO THE MOTOR VEHICLE REPAIR FACILITY FOR MISCELLANEOUS SHOP SUPPLIES OR WASTE DISPOSAL." IF A CHARGE FOR NEW TIRES OR A NEW OR REMANUFACTURED LEAD-ACID BATTERY IS INCLUDED ON THIS ESTIMATE, PLEASE NOTE THE FOLLOWING: A \$1.00 FEE FOR EACH NEW MOTOR VEHICLE TIRE SOLD AT RETAIL IS IMPOSED ON ANY PERSON ENGAGING IN THE BUSINESS OF MAKING RETAIL SALES OF NEW MOTOR VEHICLE TIRES WITHIN THE STATE OF FLORIDA. FLORIDA STATUTES TITLE XXIX CHAPTER 403.718. A \$1.50 FEE FOR EACH NEW OR REMANUFACTURED LEAD-ACID BATTERY SOLD AT RETAIL IS IMPOSED ON ANY PERSON ENGAGING IN THE BUSINESS OF MAKING RETAIL SALES OF NEW OR REMANUFACTURED LEAD-ACID BATTERIES WITHIN THE STATE OF FLORIDA. FLORIDA STATUTES TITLE XXIX 403.7185.

Estimate calculated using a preset user threshold amount for the paint and material cost.

**Customer:** [REDACTED]

**Job Number:**

Vehicle: 2014 LEXU RX350 4X4 4D UTV 6-3.5L-FI GREY

Estimate based on MOTOR CRASH ESTIMATING GUIDE. Unless otherwise noted all items are derived from the Guide ARB8914, CCC Data Date 03/10/2015, and the parts selected are OEM-parts manufactured by the vehicles Original Equipment Manufacturer. OEM parts are available at OE/Vehicle dealerships. OPT OEM (Optional OEM) or ALT OEM (Alternative OEM) parts are OEM parts that may be provided by or through alternate sources other than the OEM vehicle dealerships. OPT OEM or ALT OEM parts may reflect some specific, special, or unique pricing or discount. OPT OEM or ALT OEM parts may include "Blemished" parts provided by OEM's through OEM vehicle dealerships. Asterisk (\*) or Double Asterisk (\*\*) indicates that the parts and/or labor information provided by MOTOR may have been modified or may have come from an alternate data source. Tilde sign (~) items indicate MOTOR Not-Included Labor operations. The symbol (<>) indicates the refinish operation WILL NOT be performed as a separate procedure from the other panels in the estimate. Non-Original Equipment Manufacturer aftermarket parts are described as Non OEM or A/M. Used parts are described as LKQ, RCY, or USED. Reconditioned parts are described as Recond. Recored parts are described as Recore. NAGS Part Numbers and Benchmark Prices are provided by National Auto Glass Specifications. Labor operation times listed on the line with the NAGS information are MOTOR suggested labor operation times. NAGS labor operation times are not included. Pound sign (#) items indicate manual entries.

Some 2015 vehicles contain minor changes from the previous year. For those vehicles, prior to receiving updated data from the vehicle manufacturer, labor and parts data from the previous year may be used. The CCC ONE estimator has a complete list of applicable vehicles. Parts numbers and prices should be confirmed with the local dealership.

The following is a list of additional abbreviations or symbols that may be used to describe work to be done or parts to be repaired or replaced:

**SYMBOLS FOLLOWING PART PRICE:**

m=MOTOR Mechanical component. s=MOTOR Structural component. T=Miscellaneous Taxed charge category. X=Miscellaneous Non-Taxed charge category.

**SYMBOLS FOLLOWING LABOR:**

D=Diagnostic labor category. E=Electrical labor category. F=Frame labor category. G=Glass labor category. M=Mechanical labor category. S=Structural labor category. (numbers) 1 through 4=User Defined Labor Categories.

**OTHER SYMBOLS AND ABBREVIATIONS:**

Adj.=Adjacent. Algn.=Align. ALU=Aluminum. A/M=Aftermarket part. Blend=Blend. BOR=Boron steel. CAPA=Certified Automotive Parts Association. D&R=Disconnect and Reconnect. HSS=High Strength Steel. HYD=Hydroformed Steel. Incl.=Included. LKQ=Like Kind and Quality. LT=Left. MAG=Magnesium. Non-Adj.=Non Adjacent. NSF=NSF International Certified Part. O/H=Overhaul. Qty=Quantity. Refn=Refinish. Repl=Replace. R&I=Remove and Install. R&R=Remove and Replace. Rpr=Repair. RT=Right. SAS=Sandwiched Steel. Sect=Section. Subl=Sublet. UHS=Ultra High Strength Steel. N=Note(s) associated with the estimate line.

CCC ONE Estimating - A product of CCC Information Services Inc.

The following is a list of abbreviations that may be used in CCC ONE Estimating that are not part of the MOTOR CRASH ESTIMATING GUIDE:

BAR=Bureau of Automotive Repair. EPA=Environmental Protection Agency. NHTSA= National Highway Transportation and Safety Administration. PDR=Paintless Dent Repair. VIN=Vehicle Identification Number.

# Estimate of Record

Customer

Job Number:

Vehicle: 2014 LEXU RX350 4X4 4D UTV 6-3.5L-FI GREY

## ALTERNATE PARTS USAGE

Year: 2014      Body Style: 4D UTV      VIN: 2T2BK1BA5EC      Mileage In: 13305  
Make: LEXU      Engine: 6-3.5L-FI      License:      Mileage Out:  
Model: RX350 4X4      Production Date: 10/2013      State: FL      Vehicle Out:  
Color: GREY Int:      Condition:      Job #:

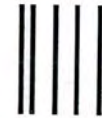
| Alternate Part Type | Selection Method   | # Of Times Notified Of Available Parts | # Of Parts Selected |
|---------------------|--------------------|----------------------------------------|---------------------|
| Aftermarket         | Automatically List | 5                                      | 0                   |
| Optional OEM        | Automatically List | 0                                      | 0                   |
| Reconditioned       | Automatically List | 1                                      | 0                   |
| Recycled            | N/A                | 0                                      | 0                   |

U.S. Department  
of Transportation

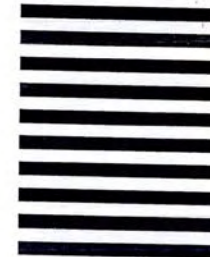
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