

acura emissions system problem

Acura Emissions System Problem: A Growing Concern for the Automotive Industry

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Summary: This article delves into the increasing prevalence of Acura emissions system problems, analyzing their causes, consequences for Acura owners, and the broader implications for the automotive industry, including regulatory pressure and the impact on brand reputation. We explore potential solutions and future trends related to Acura's emissions control systems.

Introduction: The Acura brand, known for its luxury and performance, is facing a growing challenge: a rising number of reported issues related to its emissions systems. This "Acura emissions system problem" encompasses a range of problems, from malfunctioning oxygen sensors and catalytic converters to issues with the exhaust gas recirculation (EGR) system and more complex software glitches in the engine control unit (ECU). These problems not only impact Acura owners directly, through increased repair costs, decreased fuel efficiency, and potential vehicle failure, but also have significant repercussions for Honda (Acura's parent company) and the wider automotive industry.

Understanding the Acura Emissions System Problem:

The Acura emissions system, like those in other vehicles, is designed to reduce harmful pollutants released into the atmosphere. This intricate system involves multiple components working in concert to convert harmful gases like nitrogen oxides (NOx), carbon monoxide (CO), and hydrocarbons (HC) into less harmful substances. When any part of this system malfunctions, it can lead to a failure to meet emission standards, resulting in a check engine light, decreased performance, and potentially, legal repercussions.

Several factors contribute to the Acura emissions system problem. These include:

Age and Mileage: Older Acura vehicles are more prone to emissions system failures due to the natural wear and tear of components. High mileage exacerbates this issue.

Driving Conditions: Harsh driving conditions, such as frequent stop-and-go traffic or towing heavy loads, can put extra stress on the emissions system, leading to premature failure.

Poor Maintenance: Neglecting regular maintenance, such as failing to replace worn-out oxygen sensors or failing to address warning lights promptly, can lead to cascading failures within the

emissions system.

Manufacturing Defects: In some cases, the Acura emissions system problem may stem from manufacturing defects in specific components or design flaws in the overall system. This is a significant concern as it impacts newer vehicles as well.

Software Glitches: Modern vehicles rely heavily on sophisticated software to control various systems, including the emissions system. Software glitches can lead to inaccurate fuel delivery, improper operation of emissions control components, and ultimately, emissions system failures. This is particularly relevant with the increasing complexity of hybrid and electric vehicle technologies integrated into some Acura models. Dealing with an Acura emissions system problem related to software often requires expensive ECU updates or replacements.

Implications for the Automotive Industry:

The Acura emissions system problem underscores several important trends within the automotive industry:

Increased Regulatory Scrutiny: Governments worldwide are tightening emission regulations, imposing stricter penalties for vehicles that fail to meet standards. Manufacturers, including Acura, face immense pressure to ensure the reliability and longevity of their emissions systems. Failure to do so can result in substantial fines and reputational damage.

Rising Repair Costs: Repairing a faulty Acura emissions system can be expensive, placing a significant financial burden on consumers. This, in turn, can lead to customer dissatisfaction and damage brand loyalty.

Impact on Brand Reputation: The Acura emissions system problem directly impacts the brand's reputation for quality and reliability. Negative reviews and media coverage can deter potential customers and affect sales.

Technological Advancements: The increasing complexity of emissions control systems necessitates significant investment in research and development to improve their reliability and durability. The challenge lies in balancing cost, efficiency, and environmental responsibility.

Potential Solutions and Future Trends:

Addressing the Acura emissions system problem requires a multi-pronged approach:

Improved Manufacturing Quality Control: Stricter quality control measures during manufacturing can minimize the occurrence of defects.

Enhanced Software Development: Thorough software testing and validation are critical to prevent glitches that can affect emissions control.

Advanced Diagnostics: Development of more sophisticated diagnostic tools can allow for earlier detection of potential problems, preventing major failures.

Improved Maintenance Practices: Educating consumers about the importance of regular maintenance and addressing warning lights promptly can help prevent costly repairs.

Sustainable Materials: Using more durable and sustainable materials in the construction of emissions system components can prolong their lifespan.

Conclusion: The Acura emissions system problem is a serious issue with wide-ranging consequences for Acura owners, Honda, and the automotive industry as a whole. Addressing this challenge requires a concerted effort from manufacturers, regulators, and consumers to improve the reliability of

emissions systems, enhance maintenance practices, and embrace sustainable technological advancements. The future of the automotive industry depends on the successful resolution of such critical issues.

FAQs:

1. How much does it cost to repair an Acura emissions system problem? Repair costs vary significantly depending on the specific problem, the model of the Acura, and the labor rates in your area. Costs can range from a few hundred dollars for a simple sensor replacement to several thousand dollars for major repairs.
1. How can I tell if my Acura has an emissions system problem? Common signs include a check engine light, decreased fuel efficiency, unusual exhaust smells, or a noticeable loss of engine power.
1. Will my Acura fail its emissions test due to an emissions system problem? Yes, a malfunctioning emissions system will likely cause your Acura to fail an emissions test.
1. Is my Acura's warranty likely to cover emissions system repairs? The extent of warranty coverage depends on the age and mileage of your Acura, as well as the specific cause of the problem.
1. Can I fix an Acura emissions system problem myself? Repairing a complex emissions system often requires specialized tools and expertise, making it advisable to seek professional help from a qualified mechanic.
1. What are the environmental consequences of an Acura emissions system problem? A malfunctioning emissions system releases excessive pollutants into the atmosphere, contributing to air pollution and potentially harming human health.
1. How often should I have my Acura's emissions system inspected? Regular inspections as part of routine maintenance are crucial. Consult your owner's manual for recommended service intervals.

1. What are the legal implications of driving a vehicle with an Acura emissions system problem? Driving a vehicle that fails to meet emission standards can result in fines and penalties.

1. Where can I find a qualified mechanic to repair my Acura's emissions system? Consult your Acura dealership or find a reputable independent mechanic specializing in Acura vehicles.

Related Articles:

1. "Acura TLX Emissions System Issues: A Comprehensive Guide": This article focuses specifically on emissions problems affecting the Acura TLX model, detailing common issues and repair solutions.
1. "Understanding Check Engine Lights in Acura Vehicles: Causes and Solutions": This provides a general overview of check engine light issues, with a focus on those related to Acura's emissions control systems.
1. "The Cost of Acura Emissions System Repairs: A Detailed Breakdown": This dives into the financial aspects of repairing emissions system problems on Acura vehicles, providing cost estimates for different scenarios.
1. "Acura MDX Catalytic Converter Problems: Diagnosis and Repair": This article specifically examines issues related to catalytic converter malfunctions in Acura MDX models.
1. "Oxygen Sensor Failures in Acura Vehicles: Symptoms and Troubleshooting": This focuses on oxygen sensor issues, a common component failure that contributes to Acura emissions system problems.
1. "EGR Valve Problems in Acura Vehicles: Causes and Repair Solutions": This details problems with the Exhaust Gas Recirculation valve, a critical component in emissions control.

1. "How to Prevent Acura Emissions System Problems: Maintenance Tips and Tricks": This focuses on preventative maintenance strategies to minimize the risk of emissions system failures.

1. "The Impact of Driving Habits on Acura Emissions Systems": This article explores how driving behaviors affect the lifespan and performance of Acura emissions systems.

1. "Legal Ramifications of Failing an Emissions Test Due to Acura Emissions System Problems": This discusses the legal consequences of driving a vehicle with a faulty emissions system.

acura emissions system problem: Lemon-Aid New Cars and Trucks 2010 Phil Edmonston, 2009-11-01 This compendium of everything that's new in cars and trucks is packed with feedback from Canadian drivers, insider tips, internal service bulletins, and confidential memos to help the consumer select what's safe, reliable, and fuel-frugal.

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acura emissions system problem: **How to Use Automotive Diagnostic Scanners** Tracy Martin, From hand-held, dedicated units to software that turns PCs and Palm Pilots into powerful diagnostic scanners, auto enthusiasts today have a variety of methods available to make use of on-board diagnostic systems. And not only can they be used to diagnose operational faults, they can be used as low-budget data acquisition systems and dynamometers, so you can maximize your vehicle's performance. Beginning with why scanners are needed to work effectively on modern cars, this book teaches you how to choose the right scanner for your application, how to use the tool, and what each code means. How To Use Automotive Diagnostic Scanners is illustrated with photos and diagrams to help you understand OBD-I and OBD-II systems (including CAN) and the scanners that read the information they record. Also included is a comprehensive list of codes and what they mean. From catalytic converters and O2 sensors to emissions and automotive detective work, this is the complete reference for keeping your vehicle EPA-compliant and on the road!

acura emissions system problem: *Lemon-Aid New Cars and Trucks 2011* Phil Edmonston, 2010-11-11 As U.S. and Canadian automakers and dealers face bankruptcy and Toyota battles unprecedented quality-control problems, Lemon-Aid guides steer the confused and anxious buyer through the economic meltdown unlike any other car-and-truck books on the market. Phil Edmonston, Canada's automotive Dr. Phil for more than 40 years, pulls no punches. In this all-new guide he says: Chrysler's days are numbered with the dubious help of Fiat. Electric cars and ethanol power are PR gimmicks. Diesel and natural gas are the future. Be wary of zombie vehicles: Jaguar, Land Rover, Saab, and Volvo. Mercedes-Benz – rich cars, poor quality. There's only one Saturn you should buy. Toyota – enough apologies: when you mess up, 'fess up.

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acura emissions system problem: *Kiplinger's Personal Finance* , 2009

acura emissions system problem: *Lemon-Aid Used Cars and Trucks 2009-2010* Phil Edmonston, 2009-02-16 For the first time in one volume, Phil Edmonston, Canada's automotive "Dr. Phil," covers all used vehicles, packing this guide with insider tips to help the consumer make the safest and cheapest choice possible from cars and trucks of the past 25 years.

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acura emissions system problem: *The Car Hacker's Handbook* Craig Smith, 2016-03-01 Modern cars are more computerized than ever. Infotainment and navigation systems, Wi-Fi, automatic software updates, and other innovations aim to make driving more convenient. But vehicle technologies haven't kept pace with today's more hostile security environment, leaving millions vulnerable to attack. The Car Hacker's Handbook will give you a deeper understanding of the computer systems and embedded software in modern vehicles. It begins by examining vulnerabilities and providing detailed explanations of communications over the CAN bus and between devices and systems. Then, once you have an understanding of a vehicle's communication network, you'll learn how to intercept data and perform specific hacks to track vehicles, unlock doors, glitch engines, flood communication, and more. With a focus on low-cost, open source hacking tools such as Metasploit, Wireshark, Kayak, can-utils, and ChipWhisperer, The Car Hacker's Handbook will show you how to: -Build an accurate threat model for your vehicle -Reverse engineer the CAN bus to fake engine signals -Exploit vulnerabilities in diagnostic and data-logging systems -Hack the ECU and other firmware and embedded systems -Feed exploits through infotainment and vehicle-to-vehicle communication systems -Override factory settings with performance-tuning techniques -Build physical and virtual test benches to try out exploits safely If you're curious about automotive security and have the urge to hack a two-ton computer, make The Car Hacker's Handbook your first stop.

acura emissions system problem: *Honda/Acura Performance of Sport Compact Car* Editors, 1999 The first in a series of books compiled by Sport Compact Car magazine, this authoritative handbook takes on the hot rod trend of import performance. This specialized guide includes the latest how-to advice on every facet of modifying Honda Civics and Accords and Acura Integras.

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acura emissions system problem: Lemon-aid Car Guide 2001 Phil Edmonston, 2001 A guide to buying a used car or minivan features information on the strengths and weaknesses of each model, a safety summary, recalls, warranties, and service tips.

acura emissions system problem: User Car Buying Guide 1994 Consumer Reports, 1994 With the average price of a new car now exceeding \$16,000, this guide, fully updated and revised annually, provides consumers with the kinds of information needed to make the best choices, evaluating a used car's fuel economy and performance level, as well as its overall quality and repair record.

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acura emissions system problem: Road & Track , 2006

acura emissions system problem: The Toyota Way Jeffrey K. Liker, 2003-12-22 How to speed up business processes, improve quality, and cut costs in any industry In factories around the world, Toyota consistently makes the highest-quality cars with the fewest defects of any competing manufacturer, while using fewer man-hours, less on-hand inventory, and half the floor space of its competitors. The Toyota Way is the first book for a general audience that explains the management principles and business philosophy behind Toyota's worldwide reputation for quality and reliability. Complete with profiles of organizations that have successfully adopted Toyota's principles, this book shows managers in every industry how to improve business processes by: Eliminating wasted time and resources Building quality into workplace systems Finding low-cost but reliable alternatives to expensive new technology Producing in small quantities Turning every employee into a qualitycontrol inspector

acura emissions system problem: Consumers Index to Product Evaluations and Information Sources , 1989

acura emissions system problem: This is What I Did: Ann Dee Ellis, 2009-02-01 Imagine if you had witnessed something horrific. Imagine if it had happened to your friend. And imagine if you hadn't done anything to help. That's what it's like to be Logan, an utterly frank, slightly awkward, and extremely loveable outcast enmeshed in a mysterious psychological drama. This story allows readers to piece together the sequence of events that has changed his life and changed his

perspective on what it means to be a good friend and what it means to be a good person. This is *What I Did*: is a powerful read with clever touches, such as palindrome notes, strewn throughout the story and incorporated into the unique design of the book.

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acura emissions system problem: AI 2041 Kai-Fu Lee, Chen Qiufan, 2024-03-05 How will AI change our world within twenty years? A pioneering technologist and acclaimed writer team up for a "dazzling" (The New York Times) look at the future that "brims with intriguing insights" (Financial Times). This edition includes a new foreword by Kai-Fu Lee. A BEST BOOK OF THE YEAR: The Wall Street Journal, The Washington Post, Financial Times Long before the advent of ChatGPT, Kai-Fu Lee and Chen Qiufan understood the enormous potential of artificial intelligence to transform our daily lives. But even as the world wakes up to the power of AI, many of us still fail to grasp the big picture. Chatbots and large language models are only the beginning. In this "inspired collaboration" (The Wall Street Journal), Lee and Chen join forces to imagine our world in 2041 and how it will be shaped by AI. In ten gripping, globe-spanning short stories and accompanying commentary, their

book introduces readers to an array of eye-opening settings and characters grappling with the new abundance and potential harms of AI technologies like deep learning, mixed reality, robotics, artificial general intelligence, and autonomous weapons.

acura emissions system problem: To Stem this Tide Charles Spurgeon Johnson, 1943

acura emissions system problem: Engineering Fundamentals: An Introduction to Engineering, SI Edition Saeed Moaveni, 2011-01-01 Specifically designed as an introduction to the exciting world of engineering, ENGINEERING FUNDAMENTALS: AN INTRODUCTION TO ENGINEERING encourages students to become engineers and prepares them with a solid foundation in the fundamental principles and physical laws. The book begins with a discovery of what engineers do as well as an inside look into the various areas of specialization. An explanation on good study habits and what it takes to succeed is included as well as an introduction to design and problem solving, communication, and ethics. Once this foundation is established, the book moves on to the basic physical concepts and laws that students will encounter regularly. The framework of this text teaches students that engineers apply physical and chemical laws and principles as well as mathematics to design, test, and supervise the production of millions of parts, products, and services that people use every day. By gaining problem solving skills and an understanding of fundamental principles, students are on their way to becoming analytical, detail-oriented, and creative engineers. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

acura emissions system problem: *Driving Honda* Jeffrey Rothfeder, 2014-07-10 For decades there have been two iconic Japanese auto companies. One has been endlessly studied and written about. The other has been generally underappreciated and misunderstood. Until now. Since its birth as a motorcycle company in 1949, Honda has steadily grown into the world's fifth largest automaker and top engine manufacturer, as well as one of the most beloved, most profitable, and most consistently innovative multinational corporations. What drives the company that keeps creating and improving award-winning and bestselling models like the Civic, Accord, Odyssey, CR-V, and Pilot? According to Jeffrey Rothfeder - the first journalist allowed behind Honda's infamously private doors - what truly distinguishes Honda from its competitors, especially archrival Toyota, is a deep commitment to a set of unorthodox management tenets. The Honda Way, as insiders call it, is notable for decentralization over corporate control, simplicity over complexity and unyielding cynicism toward the status quo and whatever is assumed to be the truth - ideas embedded in the DNA of the company by its colourful founder Soichiro Honda, sixty-five years ago. With dozens of interviews of Honda executives, engineers, and frontline employees, Rothfeder shows how the company has developed and maintained its unmatched culture of innovation, resilience, and flexibility - and how it exported that culture to other countries that are strikingly different from Japan, establishing locally controlled operations in each region where it lays down roots. For instance, Rothfeder reports on life at a Honda factory in the tiny town of Lincoln, Alabama. When the American workers were trained to follow the Honda Way as a self-sufficient outpost of the global company, their plant pioneered a new model for manufacturing in America. As Soichiro Honda himself liked to say, Success can be achieved only through repeated failure and introspection. In fact, success represents one percent of your work, which results only from the ninety-nine percent that is called failure.

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Louis-Philippe Edmonston, *Lemon-Aid*, 2002-12 REFERENCE USE ONLY 2003 New cars and Minivans.

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do when the Check Engine light comes on, from reading the code to diagnosing and fixing the problem. Includes a comprehensive list of computer codes. Computer-controlled car repair made easy! For all car and light truck models manufactured since 1996. Understand your vehicle's On-Board Diagnostic system How to deal with that Check Engine light--from reading the code to diagnosing and fixing the problem Comprehensive computer codes list Diagnostic tools: Powertrain management fundamentals OBD-II monitors explained Generic trouble codes that cover all models! Manufacturer-specific trouble codes for GM, Ford, Chrysler, Toyota/Lexus and Honda/Acura vehicles Let your car's computer help you find the problem! Component replacement procedures Glossary and acronym list Fully illustrated with over 250 photographs and drawings

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Additional Resources

Emission Controls

To prevent crankcase emissions, your car is equipped with a Positive Crankcase Ventilation (PCV) System which routes blow by gases from the crankcase, through the PCV valve and intake

Summary of Coverages For details, refer to the listed page.

If you feel your new Acura qualifies for consideration under the lemon law in your area, we suggest you check the laws in your state. We want you to be satisfied with your Acura automobile. If you ...

Acura Emissions System Problem - x-plane.com

This "Acura emissions system problem" encompasses a range of problems, from malfunctioning oxygen sensors and catalytic converters to issues with the exhaust gas recirculation (EGR) ...

Dear FIRSTNAME LASTNAME - National Highway Traffic ...

If you have any questions about this notice, or need assistance with locating an Acura dealer, please call American Honda's Customer Support & Campaign Center at 1-888-234-2138. You can also ...

In the United States - Acura Owners

The Emissions Control Systems Defects and Performance Warranties cover Acura vehicles registered and operated in California or in other States that have adopted California emissions ...

[Federal and California Emissions Parts List - Honda](#)

Contact an authorized Acura automobile dealer or the Acura Client Services Office (see inside front cover) for further information. All parts on this list are covered for a minimum of 4 years or ...

Next Unread Message View Message - National Highway ...

Today, September 15, 2020, Acura is announcing a stop sale and emissions recall for certain 2017-2020 MDX Sport Hybrid and 2014, 2016-2020 RLX Sport Hybrid vehicles that may not properly ...

[Acura Emissions System Problem - x-plane.com](#)

Acura Emissions System Problem: A Technician's Guide to Advanced Automotive Emissions Systems Rick Escalambre,1995 This reference is ideal for anyone from students to professionals ...

2015 Acura TLX Dashboard Details - Acura Owners

Learn about the indicators, gauges, and displays related to driving the vehicle. Indicators briefly appear with each engine start and then go out. Red and amber indicators are most critical. Blue ...

Acura Mdx Emissions System Problem (2024) - x-plane.com

Acura MDX Emissions System Problem: Diagnosis, Repair, and Prevention Author: Dr. Emily Carter, Automotive Engineer with 15 years of experience specializing in emission control systems and ...

INSTRUMENT PANEL - Acura Owners

Open the hood and check the oil level, and add oil if necessary. If the indicator does not turn off, have your vehicle repaired immediately. The emissions control system may have a problem. ...

Service Bulletin 23-001 - National Highway Traffic Safety ...

California residents only: Fill out a Vehicle Emissions Recall – Proof of Correction certificate and use the code specified below as the recall number. Have the service consultant give the certificate to ...

Acura Emissions System Problem (PDF) - x-plane.com

Acura Emissions System Problem: A Technician's Guide to Advanced Automotive Emissions Systems Rick Escalambre,1995 This reference is ideal for anyone from students to professionals ...

Document - Acura Owners

Acura will repair or replace any body panel on your vehicle that rusts from the inside out. This coverage extends for 5 years with no mileage limit. A Quick Reference to Warranty Coverages

2015 Acura TLX Emissions System Problem - x-plane.com

Repairing a 2015 Acura TLX emissions system problem involves replacing or repairing the faulty component. This might include replacing a catalytic converter, oxygen sensor, EVAP system ...

24162-ISPM (Acura CO-21914 6FE) - National Highway Traffic ...

Our records indicate that a Safety Recall has not been completed on this vehicle (Vehicle Identification Number [VIN NUMBER]). Due to a manufacturing issue, the fuel pump module may ...

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Acura ILX Owner's Guide - Acura Owners

Comes on if there is a problem with the emissions control system. Blinks when a misfire in the engine's cylinders is detected. Readiness codes are part of the on board diagnostics for the ...

If the Brake System Indicator (Red) Comes On - Acura Owners

Comes on if there is a problem with the EPS system. What to do when the indicator comes on. Stop the vehicle in a safe place and turn on the power system again. If the indicator comes on and ...

Display HomeLink Navigation System (see HomeLink (see ...

Supplemental restraint system (SRS) indicator: Airbag system malfunction. Seat belt reminder light: Fasten seat belts. Parking BRAKE and BRAKE system indicator: Parking brake on ...

In the United States - Honda Owners

In the United States: American Honda Motor Co., Inc. Honda Automobile Customer Service Mail Stop 100-5E-8A 1919 Torrance Boulevard Torrance, CA 90501-2746

Dashboard Details - Acura Owners

system; have a dealer inspect the vehicle. If it flashes, the rear differential fluid temperature is too high. Collision mitigation braking system (CMBS) indicator: Indicates there is a problem with ...

In the United States - Honda Owners

In the United States: American Honda Motor Co., Inc. Acura Client Relations Mail Stop 100-5E-8F 1919 Torrance Boulevard Torrance, CA 90501-2746

2016 Acura Mdx Emissions System Problem [PDF]

The 2016 Acura MDX emissions system problem can stem from several interconnected components: Catalytic Converter Failure: The catalytic converter is a crucial component ...

Next Unread Message View Message - National Highway ...

Emissions Recall: 2014, 2016-20 RLX Sport Hybrid Odd Gear Monitor Software Update, have been posted to the Service Information System (SIS) as of September 15, 2020. They include ...

In the United States - Honda Owners

Federal Emissions System Coverage ... If your vehicle develops a problem you feel should be repaired by Acura at no cost, discuss it with your dealer. If you are not satisfied with your ...

In the United States: American Honda Motor Co., Inc.

In the United States: American Honda Motor Co., Inc. Acura Client Relations Mail Stop CHI-4 1919 Torrance Blvd. Torrance, CA 90501-2746 1 (800) 382-2238

EVAP SYSTEM MONITOR DRIVE CYCLE INSTRUCTIONS

Sep 10, 2010 · 4. Check the status of the Readiness code for the EGR System Monitor. It should change to YES. If it does, perform any additional driving under the conditions required to run ...

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• Any authorized Acura dealer will perform the recall service for FREE. • If you have any questions about this notice, or need assistance with locating an Acura dealership, please visit us at ...

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Keyless Access system There is a problem with the keyless access system. Vehicle Stability ...

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Keyless Access System There is a problem with the system. Have your vehicle checked by a dealer.
Lane Keeping Assist System (LKAS) There is a problem with the system. Have your ...

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Supplemental Restraint System (SRS) There is a problem with one of the airbag systems or seat belt
tensioners. Keyless Access System There is a problem with the system. Lane Keeping ...

For details, refer to the listed page. Customer Satisfaction

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Brake System Warning Light Is On and Warning Message ...

Clients are reporting the brake warning lights are on and a brake warning message that says "BRAKE
SYSTEM Brake system problem. Brake performance may be reduced. See your ...

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each visit to an authorized Acura automobile dealership; • Any non-Acura dealership repair service for
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full, there may be a problem with the pump's fuel vapor recovery system. Try filling at another pump. If this does not fix the problem, consult an authorized Acura NSX dealer. If you ...

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causing the problem. However, at times the code may be a result of a secondary issue affecting that code so additional diagnosis by the technician will generally be needed to isolate the ...

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