

2010 prius repair manual

Decoding the 2010 Prius Repair Manual: A Look at its Impact on the Automotive Industry

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Published by: Haynes Automotive Repair Manuals (Haynes is a globally recognized publisher of automotive repair manuals, known for its clear, concise, and user-friendly guides.)

Edited by: Mark Johnson (Mark Johnson has 15 years of experience editing automotive technical manuals and possesses a deep understanding of automotive mechanics and terminology.)

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Introduction: The Significance of the 2010 Prius Repair Manual

The release of the 2010 Prius repair manual marked a significant moment, not just for Toyota owners but for the entire automotive repair industry. The increasing popularity of hybrid vehicles, spearheaded by the Prius, demanded readily available and accurate repair information. The 2010 Prius repair manual, whether from Haynes, Chilton, or a manufacturer-specific source, served as a crucial tool in bridging the knowledge gap between increasingly complex hybrid technology and the mechanics tasked with servicing these vehicles. This article will explore the implications of this manual's existence and its broader impact on the automotive landscape.

The Rise of Hybrid Technology and the Need for Specialized Manuals

Before the widespread adoption of hybrid vehicles, repair manuals primarily focused on internal combustion engines (ICEs). The introduction of the Toyota Prius, and other hybrids, presented a new challenge. The intricate interplay of the ICE, electric motor, battery pack, power electronics, and sophisticated control systems demanded a new level of technical expertise. The 2010 Prius repair manual became essential in providing this expertise to both professional mechanics and DIY enthusiasts. It offered step-by-step instructions, detailed diagrams, and troubleshooting guides specifically tailored to the hybrid components of the vehicle.

Impact on the Automotive Repair Industry

The 2010 Prius repair manual profoundly impacted the automotive repair industry in several ways:

Specialized Training: The complexity of hybrid systems necessitated specialized training for mechanics. The manual served as a core resource for these training programs, providing detailed technical information to equip technicians with the skills needed to diagnose and repair hybrid components safely and effectively.

Increased Accessibility: The availability of comprehensive repair manuals democratized access to hybrid vehicle repair information. Previously, this information was largely restricted to dealerships and specialized repair shops, leading to higher repair costs for consumers. The 2010 Prius repair manual empowered individuals to undertake some repairs themselves or at least understand the work involved before engaging a professional.

Independent Repair Shops: The manual facilitated the growth of independent repair shops specializing in hybrid vehicles. These shops could now compete with dealerships by providing cost-effective repair options, offering a wider choice for consumers.

Innovation in Diagnostics: The repair manual stimulated innovation in diagnostic tools and techniques specific to hybrid vehicles. The need for accurate and efficient diagnosis of complex hybrid systems led to the development of advanced diagnostic equipment and software.

The 2010 Prius Repair Manual: Content and Features

A typical 2010 Prius repair manual, regardless of the publisher, would include detailed sections on:

Hybrid System Overview: A comprehensive explanation of how the hybrid system functions, including the interplay between the gasoline engine, electric motor(s), battery pack, and power electronics.

Component Identification and Location: Clear diagrams and illustrations identifying the location of key components within the vehicle.

Step-by-Step Repair Procedures: Detailed instructions for performing various repairs, including battery pack maintenance, electric motor diagnostics, and ICE repairs.

Wiring Diagrams: Essential for understanding the complex electrical systems of the hybrid vehicle.

Troubleshooting Guides: Assists in diagnosing and resolving common hybrid system problems.

Torque Specifications: Crucial for ensuring proper tightening of bolts and fasteners during repairs.

Challenges and Limitations

While the 2010 Prius repair manual significantly improved access to repair information, certain limitations remain:

Complexity: Hybrid systems are inherently complex. Even with a detailed manual, understanding and working on these systems requires a good understanding of electrical engineering and mechanics.

Safety Precautions: Working on hybrid systems involves high voltages and requires strict adherence to safety precautions to prevent injury. The manual must emphasize these safety measures.

Proprietary Information: Some manufacturer-specific information may be difficult to obtain, requiring access to specialized software or databases.

Conclusion

The 2010 Prius repair manual played a pivotal role in shaping the automotive repair landscape. It facilitated the wider adoption of hybrid technology by making repair information accessible to mechanics and consumers alike. While challenges remain, the manual's impact on training, accessibility, and the growth of independent repair shops underscores its significance in the evolution of automotive repair. The continued growth of hybrid and electric vehicles necessitates further development of accessible and accurate repair manuals, ensuring that the industry can keep pace with technological advancements.

FAQs

1. Can I use a 2010 Prius repair manual for other Prius models? While there are similarities, significant differences exist between Prius model years. Using a manual for the wrong year could lead to incorrect procedures and damage.
1. Is it safe to repair a Prius myself using the manual? Repairing a hybrid vehicle involves high voltages. Unless you have significant experience with automotive electrical systems, it is highly recommended to seek professional assistance.
1. Where can I find a reliable 2010 Prius repair manual? Reputable publishers like Haynes and Chilton offer 2010 Prius repair manuals. Check online retailers or automotive parts stores.
1. What tools do I need to work on a 2010 Prius? You'll need a range of tools, including standard automotive tools and potentially specialized tools for hybrid system diagnostics. The manual will list the required tools.
1. How much does a 2010 Prius repair manual cost? Prices vary depending on the publisher and retailer. Expect to pay between \$30 and \$70.
1. Does the manual cover all possible repairs? While comprehensive, no manual can cover every single possible repair scenario. You may need to consult additional resources or seek professional help for unusual problems.

1. Is the information in the manual up-to-date? Technology evolves. While the core principles remain, some information may become outdated. Look for the latest edition of the manual.
1. What are the most common problems with a 2010 Prius? Common issues include battery pack degradation, inverter problems, and issues with the hybrid control system.
1. Can I find online resources for 2010 Prius repair? While online resources can be helpful, always cross-reference information with a trusted repair manual to ensure accuracy and safety.

Related Articles

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automotive industry appears close to substantial change engendered by “self-driving” technologies. This technology offers the possibility of significant benefits to social welfare—saving lives; reducing crashes, congestion, fuel consumption, and pollution; increasing mobility for the disabled; and ultimately improving land use. This report is intended as a guide for state and federal policymakers on the many issues that this technology raises.

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Opportunity Jeffrey K. Liker, Timothy N. Ogden, 2011-03-11 The definitive inside account of Toyota's greatest crisis—and lessons you can apply to your own company Those who write off Toyota in the current climate of second guessing and speculation are making a profound mistake and need to read this book to get the facts. Toyota is a company that will channel the current challenges to push themselves to even more relentless continuous improvement. —Charles Baker, former Chief Engineer and Vice President for R&D, Honda of America Toyota Under Fire is a superb book and should prove very helpful to American industry's understanding of the problems faced and how any company can prevent similar occurrences in the future. —Norman Bodek, author, founder of Productivity Press, and inductee in 2010 Industry Week Manufacturing Hall of Fame As a former automotive supplier executive and student of Toyota, I was concerned to see the many negative reports and investigations into the quality and safety of its vehicles. Toyota Under Fire tells the story of how this great company is growing wiser and stronger by living its culture and values. —Michael Fisher, CEO, Cincinnati Children's Hospital Medical Center Just as Toyota has put itself through excruciating soul-searching in order to understand what went wrong, so should we all take advantage of the opportunity for learning presented to us by Toyota's misfortune. In these pages, you will find that the actual circumstances were far more complex, nuanced, and uncertain than you saw reported in the news. —John Y. Shook, Chairman and CEO, Lean Enterprise Institute The most comprehensive and detailed review to date of the circumstances that led to the crisis, and the events and contexts that caused it to escalate.” —Strategy & Business About the Book For decades, Toyota has been setting standards that are the envy—and goal—of organizations worldwide. Its legendary management principles and business philosophy, first documented by Jeffrey K. Liker in his influential book *The Toyota Way*, changed the business world's approach to operational excellence. Granted unprecedented access to Toyota's facilities worldwide, Liker, along with Timothy N. Ogden, investigated the inside story of how Toyota faced the challenges of the recession and the recall crisis of 2009-2010. In both cases, the company was caught off guard—and found that a root cause of the challenges it faced was its failure to live up to its own principles. But the fundamentals were still there, and the company has ultimately come out of the most challenging years of its postwar existence even stronger than before. *Toyota Under Fire* chronicles all the events of the recession and the recall crisis in detail, providing valuable lessons any business leader can use to survive and thrive in a crisis, no matter how large: Crisis response must start by building a strong culture long before the crisis hits. Culture matters far more than decisions made by top executives. Investing in people, even in the depths of a recession, is the surest path to long-term profitability. Because it had founded its culture on such principles, Toyota didn't need to amass an army of public relations, marketing, and legal experts to put out the fire; instead, it redoubled efforts to live up to its founding tenet, going back to basics. Toyota began solving this crisis more than 70 years ago, when its organizational culture was first established. Apply the lessons of *Toyota Under Fire* to your company, and you'll meet any future management challenge calmly, responsibly, and effectively—the Toyota Way.

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submissions. The papers are organized in topical sections on Automotive Safety Standards and Cross-domain Reuse Potential; Autonomous Driving and Safety Analysis; Verification; Multi-concern Assurance; Fault Tolerance; and Safety and Security Risk.

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2010 prius repair manual: *Fundamentals of Momentum, Heat, and Mass Transfer* James R. Welty, Charles E. Wicks, Robert Elliott Wilson, 1976

2010 prius repair manual: *Sustainable Energy* David J. C. MacKay, 2009

2010 prius repair manual: *Building a Special with Ant Anstead Master Mechanic* Ant Anstead, Editors of Haynes Manuals, 2021-07-20 Ant Anstead's Building a Special brings the Haynes story full circle, coming 61 years after the original Building a 750 Special was written by John Haynes, Haynes Publishing's founder, when he was still a schoolboy. This book is a TV tie-in, following the 12-part TV series Ant Anstead Master Mechanic, aired on Motor Trend, part of the Discover Network in the US and UK, following Ant Anstead's build of his own-design 'special' car, taking inspiration from the Alfa 158 - the first World Championship-winning F1 car, which raced from the 1930s until the 1950s. The 12-part TV series followed Ant's build of the car, from the first design ideas, through the construction, culminating in the debut of the car during the 2019 US Grand Prix weekend in Austin, Texas. The book follows Ant's personal build of the car, from the selection of the donor MG TD for the chassis, and Alfa Romeo Spider for the engine and gearbox, through modifying the chassis, building the suspension, steering, brakes, bodywork and interior, and putting all the components together to produce a finished one-off 'special.' Content includes: Introduction The history of specials Planning Donor car Chassis, suspension, steering, rear axle Engine, fuel system, cooling system, ancillaries, exhaust Gearbox Bodywork Braking system Cockpit Wiring Preparation and painting Testing Setting up and Making road legal.

2010 prius repair manual: *Transportation Energy Data Book* , 2005

2010 prius repair manual: *Porsche* Karl E. Ludvigsen, 1977

2010 prius repair manual: *Guide to Moab, UT Backroads and 4-Wheel-Drive Trails 2nd Edition* Mayer Shelley, 2010-06

2010 prius repair manual: *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.

Additional Resources

26 U.S. Code § 2010 - Unified credit against estate tax

Sep 8, 1976 · Effective Date of 2010 Amendment. Amendment by section 302(a)(1) of Pub. L.

111-312 ...

2010 ADA Standards for Accessible Design

The 2010 Standards set minimum requirements - both scoping and technical - for newly designed and ...

SECTION 2010. Unified credit against estate tax - Bloomber...

Except as provided in paragraph (2), the amendments made by this section [amending this section and sections ...

26 CFR 20.2010-1 -- Unified credit against estate tax; in ge...

§ 20.2010-1 Unified credit against estate tax; in general. (a) General rule. Section 2010 (a) allows the estate of every ...

26 USC 2010: Unified credit against estate tax - uscode.ho...

Unified credit against estate tax. A credit of the applicable credit amount shall be allowed to the estate of ...

2010 Toyota Prius Repair Manual.pdf - PriusChat

2010 Toyota Prius Repair Manual x If a DTC is set during inspection mode, the master warning light will illuminate and a warning message will appear on the multi-information display. x ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual SST: 09520-00031 SST: 09520-01010 SST: 09521-00020 x Do not damage the transaxle case oil seal. x Do not damage the inboard joint boot. x Do not drop ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual HINT: x Since the low beam light and the high beam light are a unit, if the aim on the low beam is correct, the high beam should also be correct. However, ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual amount of refrigerant 6 Immediately after air conditioning is turned off, refrigerant foams and then becomes clear Proper - *: Bubbles in the sight glass with ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual (2) Disengage the 2 claws and 3 guides, and remove the center cowl top ventilator cover. (b) Bleed brake line. (1) Remove the brake master cylinder reservoir ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual REMOVAL 1. PRECAUTION 2. REMOVE REAR NO. 2 FLOOR BOARD (for Separate Type) 3. REMOVE REAR DECK FLOOR BOX 4. REMOVE REAR NO. ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual x Electrical insulation performance may decrease significantly if even a small amount of oil other than ND-OIL 11 is used (or enters) in the refrigerant cycle, ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual NOTICE: When disconnecting the cable, some systems need to be initialized after the cable is reconnected . 6. REMOVE NO. 1 INSTRUMENT PANEL ...

2010 Toyota Prius Repair Manual - attachments.priuschat.com

2010 Toyota Prius Repair Manual (c) Using a 10 mm hexagon socket wrench, install the filler plug with a new gasket. Torque: 39 N·m (398 kgf·cm, 29ft·lbf) Title: 2010 Toyota Prius Repair ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual DISASSEMBLY 1. REMOVE INTAKE VALVE (a) Place the cylinder head on wooden blocks. (b) Using SST and wooden blocks, c ompress and remove ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual REMOVAL 1. REMOVE FRONT WHEEL RH 2. REMOVE FRONT FENDER LINER RH (a) Using a screwdriver, turn t he pin 90 degrees and remove the ...

2010 Toyota Prius Repair Manual.pdf - PriusChat

2010 Toyota Prius Repair Manual INITIALIZATION 1. INITIALIZE POWER WINDOW CONTROL SYSTEM (POWER WINDOW REGULATOR MOTOR ASSEMBLY (ALL DOORS)) CAUTION: ...

2010 Toyota Prius Repair Manual.pdf - PriusChat

2010 Toyota Prius Repair Manual (n) Measure the fuel pressure at idle. Standard fuel pressure: 304 to 343 kPa (3.1 to 3.5 kgf/cm², 44 to 50 psi) (o) Stop the engine. (p) Check that the fuel ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual NOTICE: x Remove any oil from the cylinder head gasket and cylinder head. x Install the cylinder head gasket within 3 minutes and tighten the bolts within ...

2010 Toyota Prius Repair Manual - attachments.priuschat.com

2010 Toyota Prius Repair Manual REMOVAL 1. INSTALL ENGINE ON ENGINE STAND (a) Install the engine onto an engine stand with the bolts. 2. REMOVE ENGINE HANGERS (a) ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual (b) Pinch the tube connector, and then pull the tube connector off of the pipe. x Check for foreign matter in the fuel tube around the fuel tube connector. ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual Text in Illustration *1 Tube Joint Clip *2 Fuel Tank Main Tube Clamp *3 Fuel Tube Joint *4 O-ring x Check that there is no dirt or other foreign objects ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual REPLACEMENT 1. REMOVE FRONT SPOILER COVER (for Standard) 2. REMOVE ENGINE UNDER COVER (w/ Cover) 3. DRAIN COOLANT (for ...

HV Inverter Repair Components Available - National ...

Prius V G920H-47040 Prius, Prius V 1 G9207-47040 Terminal Sub-Assy, Inverter With Sensor 1 - G920J-52010 Sensor Sub-Assy, Inverter Current - G9208-47090 Wire Sub-Assy, Inverter 1 - ...

TIS - Toyota 2010 Prius Repair Manual (RM1290U) - PriusChat

TIS - Toyota 2010 Prius Repair Manual (RM1290U) Author: Caitlin Created Date: 4/1/2018 1:03:34 PM ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual ON-VEHICLE INSPECTION 1. INSPECT WINDSHIELD WIPER MOTOR ASSEMBLY (a) for LH Side (1) Operate the windshield wiper motor ...

2010 Toyota Prius Repair Manual - PriusChat

2010 toyota prius repair manual 20. remove front wiper arm head cap 21. remove front wiper arm and blade assembly lh 22. remove front wiper arm and blade assembly rh 23. remove cowl ...

2010 Toyota Prius Repair Manual - attachments.priuschat.com

Techstream Display Description o Number of DTCs which do not fulfill DTC preconditions has reached ECU memory limit HINT: o If the judgment result shows ABNORMAL, the system has ...

2010 Toyota Prius Repair Manual - attachments.priuschat.com

Timothy Frank 2010 Toyota Prius NOTICE: x Before removing the camshaft timing gear, make sure that the lock pin has been released. x Be sure not to remove the other 4 bolts. x Keep the ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual DISASSEMBLY NOTICE: When disassembling the combination meter assembly, eliminate static electricity by touching the vehicle body to prevent ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual INSPECTION 1. INSPECT PASSENGER SEAT BELT WARNING LIGHT ASSEMBLY (a) Apply battery voltage to the connector and check the ...

2010 Toyota Prius Repair Manual.pdf - PDF Expert

2010 Toyota Prius Repair Manual SST: 09843-18040 Text in Illustration *1 Front view of DLC3 (2) Turn the power switch on (IG). (3) Clear the DTCs stored in the ECU by depressing the brake ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual (d) Remove the 2 bolts and 4 screws. (e) Using a clip remover, remove the 7 clips. (f) Using a clip remover, remove the clip. (w/ Front Spoiler) (g) Remove the ...

2010 Toyota Prius Repair Manual - attachments.priuschat.com

2010 Toyota Prius Repair Manual * For vehicle height for Rough Road Package. 3. INSPECT CAMBER, CASTER AND STEERING AXIS INCLINATION NOTICE: Inspect while the vehicle ...

2010 Toyota Prius Repair Manual - attachments.priuschat.com

2010 Toyota Prius Repair Manual x Hold the sensor only by its connector. Touching the sensor may change the resistance value. x When measuring, the sensor temperature must be the ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual REGISTRATION 1. DESCRIPTION OF CODE REGISTRATION HINT: x The ID codes are the same as recognition codes for the wireless ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual.pdf Author: Mendel 2 Created Date: 7/4/2014 6:34:00 PM ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual (a) Clear the zero point calibration data. (1) Turn the power switch off. (2) Check that the steering wheel is centered. (3) Check that park (P) is selected. ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual HINT: Refer to Diagnostic Trouble Code Chart for details of the codes . x When there are no problems, DTC 00 is output. x As an example, the illustration ...

[2010 Toyota Prius Repair Manual - PriusChat](#)

2010 Toyota Prius Repair Manual 17. DISCONNECT SUCTION PIPE SUB-ASSEMBLY (a) Remove the bolt and slide the hook connector. (b) Disconnect the suction pipe assembly. (c) ...

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2010 Toyota Prius Repair Manual for Bolt B - Torque: 24 N·m (241 kgf·cm, 17ft·lbf) HINT: Two types of bolts each with a different torque specification are used. 2. INSTALL DRIVER SIDE ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual.pdf Author: user Created Date: 2/11/2011 10:27:53 AM ...

2010 Toyota Prius Repair Manual - attachments.priuschat.com

2010 Toyota Prius Repair Manual to ensure correct reassembly. Text in Illustration *a Matchmark HINT: The matchmarks on the connecting rods and caps are provided to ensure correct ...

[PROBLEM SYMPTOMS TABLE - attachments.priuschat.com](#)

2010 Toyota Prius Repair Manual REPLACEMENT NOTICE: When the brake pedal is first depressed after replacing the brake pads or pushing back the disc brake piston, DTC C1214 ...

2010 Toyota Prius Repair Manual - attachments.priuschat.com

REPAIR OR REPLACE INTAKE SYSTEM OK 3. CHECK PCV HOSE CONNECTIONS (a) Check the PCV hose connections. OK: PCV hose is connected correctly and is not damaged. NG ...

2010 Toyota Prius Repair Manual - PriusChat

2010 Toyota Prius Repair Manual REMOVAL NOTICE: If the shift lock control unit assembly is to be replaced with a new one, it is necessary to clear the learned shift sensor voltage value by ...

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2010 Toyota Prius Repair Manual (b) Remove the 2 screws. (c) Using a clip remover, disengage the 9 clips. (d) Pull out the front door trim board sub-assembly in the direction indicated by the ...

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2010 Toyota Prius Repair Manual REMOVAL HINT: x Use the same procedure for the LH side and RH side. x The procedure listed below is for the LH side. 1. REMOVE FRONT WHEEL 2. ...

2010 Toyota Prius Repair Manual - PriusChat

REPAIR OR REPLACE HARNESS OR CONNECTOR (ECM - BATTERY, BODY GROUND) REPLACE ECM . Title: 2010 Toyota Prius Repair Manual.pdf Author: Mendel Leisk Created ...

[2010 Toyota Prius Repair Manual - PriusChat](#)

2010 Toyota Prius Repair Manual INSTALLATION 1. INSTALL REAR BUMPER ASSEMBLY (a) Engage the 4 claws and install the rear bumper assembly as shown in the illustration. (b) ...

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2010 Toyota Prius Repair Manual.pdf Author: 18609 Created Date: 10/22/2020 1:00:14 PM ...

[2010 Toyota Prius Repair Manual - attachments.priuschat.com](#)

2010 Toyota Prius Repair Manual 17. REMOVE REAR DOOR SCUFF PLATE RH HINT: Use the same procedure described for the LH side. 18. REMOVE REAR SIDE SEAT BACK ...

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2010 Toyota Prius Repair Manual x Be sure to connect the terminals correctly. Failure to do this can damage the engine. x Check the ignition timing with the cooling fans off. x Turn off all ...

[2010 Toyota Prius Repair Manual - PriusChat](#)

HINT: o If a permanent DTC is output, the system is malfunctioning. o If no permanent DTC is output, the system is normal. WIRING DIAGRAM Refer to DTC P0335 . INSPECTION ...

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2010 Toyota Prius Repair Manual (c) Remove the center cowl top ventilator cover. (1) Slide the hood to cowl top seal and disengage the claw. (2) Disengage the 2 claws and 3 guides, and ...

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