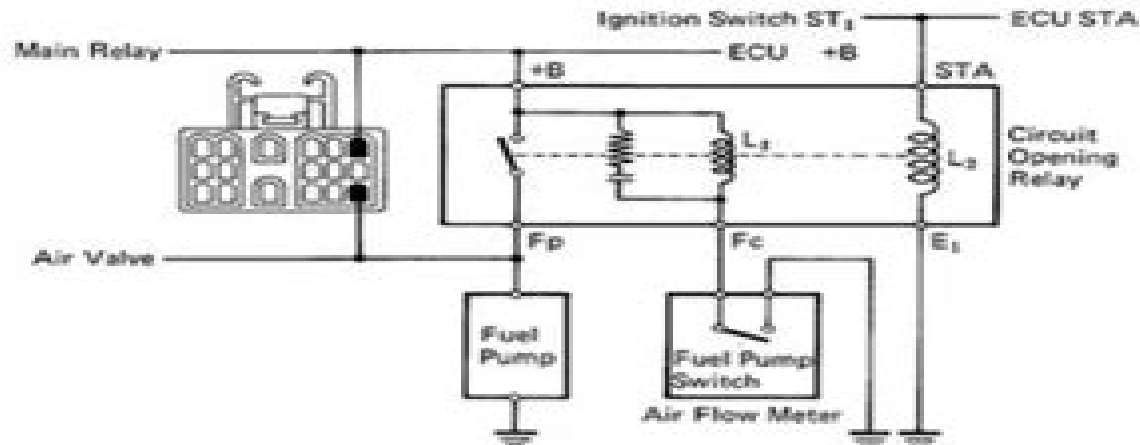
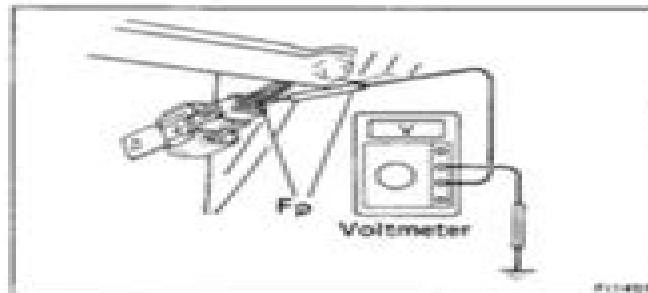


Circuit Opening Relay

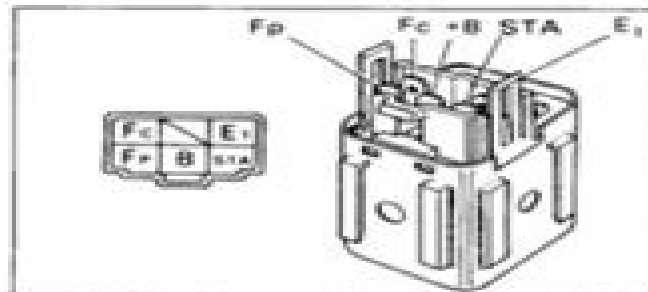


FI-73004



INSPECTION OF CIRCUIT OPENING RELAY

1. CHECK CIRCUIT OPENING RELAY OPERATION
 - (a) Remove the right kick panel, glove box and speaker.
 - (b) Using a voltmeter, check that the meter indicates voltage at Fp terminal during engine cranking and running.
 - (c) Stop the engine.



2. MEASURE RESISTANCE OF CIRCUIT OPENING RELAY

- (a) Disconnect the connector.
- (b) Measure the resistance between each terminal.

Between terminals	Resistance (Ω)
STA — E ₁	17 — 25
+B — Fc	88 — 132
+B — Fp	Infinity

Engine Main Relay Toyota

D Siedentop

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the 'D Siedentop' text.

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Electric and Hybrid-Electric Vehicles Ronald K Jurgen, 2002-02-01 This book chronicles recent advances in electric and hybrid electric vehicles and looks ahead to the future potential of these vehicles Featuring SAE technical papers plus articles from Automotive Engineering International magazine from 1997 2001 Electric and Hybrid Electric Vehicles provides coverage of topics such as Lithium Ion Batteries Regenerative Braking Fuel Economy Transmissions Fuel Cell Technology Hydrogen Fueled Engines And many more Electric and hybrid electric activities at companies such as Nissan Mercedes Benz Ford Dodge and Toyota are also covered

Toyota Celica Service Manual Robert Bentley, inc, 1984 Encyclopedia of Automotive Engineering, 2015-03-23 Erstmals eine umfassende und einheitliche Wissensbasis und Grundlage für weiterführende Studien und Forschung im Bereich der Automobiltechnik Die Encyclopedia of Automotive Engineering ist die erste umfassende und einheitliche Wissensbasis dieses Fachgebiets und legt den Grundstein für weitere Studien und tiefgreifende Forschung Weitreichende Querverweise und Suchfunktionen ermöglichen erstmals den zentralen Zugriff auf Detailinformationen zu bewährten Branchenstandards und verfahren Zusammenhängende Konzepte und Techniken aus Spezialbereichen lassen sich so einfacher verstehen Neben traditionellen Themen des Fachgebiets beschäftigt sich diese Enzyklopädie auch mit neuen Technologien dem Übergang von der Mechanik zur Elektronik und den Möglichkeiten zur Herstellung sicherer effizienterer Fahrzeuge unter weltweit unterschiedlichen wirtschaftlichen Rahmenbedingungen Das Referenzwerk behandelt neun Hauptbereiche 1 Motoren Grundlagen 2 Motoren Design 3 Hybrid und Elektroantriebe 4 Getriebe und Antriebssysteme 5 Chassis Systeme 6 Elektrische und elektronische Systeme 7 Karosserie Design 8 Materialien und Fertigung 9 Telematik Zuverlässige Darstellung einer Vielzahl von Spezialthemen aus dem Bereich der Automobiltechnik Zugängliches Nachschlagewerk für Jungingenieure und Studenten die die technologischen Grundlagen besser verstehen und ihre Kenntnisse erweitern möchten Wertvolle Verweise auf Detailinformationen und Forschungsergebnisse aus der technischen Literatur Entwickelt in Zusammenarbeit mit der FISITA der Dachorganisation nationaler Automobil Ingenieur Verbände aus 37 Ländern und Vertretung von über 185 000 Ingenieuren aus der Branche Erhältlich als stets aktuelle Online Ressource mit umfassenden Suchfunktionen oder als Print Ausgabe in sechs Bänden mit über 4 000 Seiten Ein wichtiges Nachschlagewerk für Bibliotheken und Informationszentren in der Industrie bei Forschungs und Schulungseinrichtungen Fachgesellschaften Regierungsbehörden und allen Ingenieurstudenten Richtet sich an Fachingenieure und Techniker aus der Industrie Studenten höherer Semester und Studienabsolventen Forscher Dozenten und Ausbilder Branchenanalysen und Forscher

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Vehicle Electronic Systems and Fault Diagnosis J. Jones,J. Burdess,J.N. Fawcett,2013-10-18 This book gives a sufficient grounding in mechanics for engineers to tackle a significant range of problems encountered in the design and specification of simple structures and machines It also provides an excellent background for students wishing to progress to more advanced studies in three dimensional mechanics

Toyota Camry 1983-88 Chilton Book Company,1989 You paid a lot for your car Let Chilton help you to maintain its value Complete chapter on owner maintenance Expanded index to help you find whatever you want FAST All charts up to date with every year of coverage Every subject completely covered in one place where you can find it FAST 16 pages of color on fuel economy body repair maintenance and MUCH MORE

Chilton's Toyota Trucks, 1970-88 Repair Manual Chilton Automotive Books,The Nichols/Chilton,Chilton,1994 Covers all models of Pick Up Land Cruiser and 4Runner 2 and 4 wheel drive gasoline and diesel engines

How to Tune and Modify Bosch Fuel Injection Ben Watson,1992

Toyota Pick-ups & 4-runner Automotive Repair Manual John B. Raffa,Larry Warren,John Harold Haynes,1995

Vehicle Electronic Systems and Fault Diagnosis Allan Bonnick,2014-06-11 The average car now contains much more electronic circuitry than would have been the case even five years ago This leaves many technicians struggling to keep up with current developments in the repair and maintenance of these electronic systems Often texts covering vehicle electronics dwell on unnecessary maths and general electronics principles This practical guide discusses electronics only within the context of the vehicle system under consideration and thus keeps theory to a minimum Using numerous diagrams photographs and step by step instructions this book gives a clear description of vehicle electronic systems and fault diagnosos and than continues on to the testing and repair of these systems Regular reviews and summaries help consolidate learning and make this book ideal for workshop and classroom use

Chilton's Guide to Air Conditioning Repair and Service Chilton Book Company,1985 Provides maintenance troubleshooting and repair information for automotive air conditioning and related parts for domestic and import cars built between 1982 85

Toyota Tercel, 1980-1984 ,1984

Chilton's Component Locator Manual, 1982-1989 Chilton Automotive Books,1990-02

1983 Imported Cars & Trucks Tune-up Mechanical Service & Repair Mitchell Manuals, inc,1984

Toyota Celica, 1982-1985 Shop Manual Alan Ahlstrand,1986

Chilton Book Company Repair & Tune-up Guide

Kerry A. Freeman, Richard J. Rivele, John M. Baxter, 1987 *1982 Imported Cars & Trucks Tune-up Mechanical Service & Repair* Mitchell Manuals, inc, 1983 *Advanced Hybrid Vehicle Systems* Mandy Concepcion, 2011-05-13

The role of the modern automotive technician has changed drastically in the past decade. The job of today's vehicle specialist involves a deep knowledge of a wide variety of technical disciplines. Few professions encompass such a diverse understanding of technology. The automotive technician is now expected to know about chemistry, electronics, mechanics, optics, as well as possess a deep analytical mind. The last only comes with time and experience.

Advanced HYBRID Vehicle Systems vol 1 Including Toyota Honda models By Mandy Concepcion

Table of Contents

CHAPTER 1 Hybrid Basics and Safety Procedures

The Need for Hybrid Systems

Hybrid Do's and Don't's

Here are some definite do's

Hybrid basics and safety procedures

Hybrid power down procedure and deactivation

High voltage measurement and equipment

Humidity and high voltage

CHAPTER 2 Hybrid Aerodynamics and Low Friction Tires

Low friction components and non belt driven coolant pump and air conditioning compressor

The AC system

EPS system or electric power steering

Replacement of the actual electric motor

Performing a zero rest procedure

CHAPTER 3 Advanced Electronics for Hybrids

The dangers of amperage and High Current Circuits

Current measurements using an electromagnetic probe clamp on

Voltage measurement on hybrid vehicles

advanced concepts

Measure the high voltage circuit at the orange cables after a power down procedure

The Dropping Resistors

CHAPTER 4 Basic Electric Motor and Power Generation

Principle of Induction

Electric Motors and Electric Alternating Current

The DC Electric Motor

The AC Electric Motor

Important facts about electric hybrid motor generator units

Typical hybrid motor generator

Dangers of Inverter

Internal Capacitors

Motor Commutation Plates

Hybrid Motor Position Sensor

Motor control techniques

Difference between a hybrid vehicle electrical motor and a regular AC motor

The TRIAC and IGBT

Isolated Gate Bipolar Transistor

Hybrid Regenerative Breaking

CHAPTER 5 AC and DC Power Units of Measurements

Frequency measurements

Phase Measurement

Voltage Measurements Using a Clamp On AMP Probe

The 3 Phases of a HYBRID Motor

U V W

The Inverter Unit on the Prius

DC Brushless Motors

CHAPTER 6 basic battery technology

The nickel metal hydride battery

The lithium ion battery

Toyota Prius high Voltage battery

Ultra Capacitors

V R L A or variable regulation

lead acid battery

CHAPTER 7 The 6 Hybrid Modes of Operation

HYBRID Computer System Control

Light Acceleration Mode

Regenerative Breaking Mode

Deceleration Mode

Normal Driving Mode

STOP Mode

M1's Biggest Contribution to the HYBRID Unit

CHAPTER 8 Parallel and Series Hybrid Systems

Series hybrid system

Series parallel and series parallel hybrid

Inverter Power Management

Parallel hybrid system

Parallel Series hybrid system

Toyota motor Co and AISIN

CHAPTER 9 The Prius CVT or continuously variable transmission

THS or hybrid synergy Drive

Transmission Planetary Gears

Key point to understanding the way this transmission works

HONDA CVT Transmission

Honda's Cylinder Deactivation

Honda's Electric Balancing

CHAPTER 10 Toyota specific hybrid system

Specific concepts on the Toyota hybrid

Problems with the Coolant Pump

Gas Tank Rubber Bladder

Car Off AC System

The Scanner and the HYBRID System

High Voltage Battery

MG1 and MG2 Power Output The Toyota auxiliary 12 V battery How to Jump Start a HYBRID A Word About Toyota s Keyless Entry Dangers of Electric Mode Driving CHAPTER 11 Honda specific hybrid system The Honda hybrid system is vastly different than that of Toyota HONDA Hybrid is a Simple Design IMA or integrated motor assist The Motor Generator Unit The 12 volt Starter Honda Electronic Balancing The 1 3L Engine Soft iridium spark plugs Honda Civic Complete Cylinder Deactivation *Official Gazette Philippines,2000* Automotive Engineering International ,2004

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Table of Contents Engine Main Relay Toyota

1. Understanding the eBook Engine Main Relay Toyota
 - The Rise of Digital Reading Engine Main Relay Toyota
 - Advantages of eBooks Over Traditional Books
2. Identifying Engine Main Relay Toyota
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Engine Main Relay Toyota
 - User-Friendly Interface
4. Exploring eBook Recommendations from Engine Main Relay Toyota
 - Personalized Recommendations
 - Engine Main Relay Toyota User Reviews and Ratings
 - Engine Main Relay Toyota and Bestseller Lists
5. Accessing Engine Main Relay Toyota Free and Paid eBooks
 - Engine Main Relay Toyota Public Domain eBooks
 - Engine Main Relay Toyota eBook Subscription Services

- Engine Main Relay Toyota Budget-Friendly Options
- 6. Navigating Engine Main Relay Toyota eBook Formats
 - ePub, PDF, MOBI, and More
 - Engine Main Relay Toyota Compatibility with Devices
 - Engine Main Relay Toyota Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Engine Main Relay Toyota
 - Highlighting and Note-Taking Engine Main Relay Toyota
 - Interactive Elements Engine Main Relay Toyota
- 8. Staying Engaged with Engine Main Relay Toyota
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Engine Main Relay Toyota
- 9. Balancing eBooks and Physical Books Engine Main Relay Toyota
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Engine Main Relay Toyota
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Engine Main Relay Toyota
 - Setting Reading Goals Engine Main Relay Toyota
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Engine Main Relay Toyota
 - Fact-Checking eBook Content of Engine Main Relay Toyota
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends

-
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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