I'm not a robot

0 ratings0% found this document useful (0 votes)1K viewsSaveSave cen-tech_obd2_eobd_abs_manual For Later0%0% found this document useful, undefined Page 1 Owner’s Manual & Safety Instructions Save This Manual Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures• Write the product’s serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number)• Keep this manual and the receipt in a safe and dry place for future reference•... Page 2 Indicates a hazardous situation which, if not avoided, could result in death or serious injury• Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury• Addresses practices not related to personal injury• Page 2 For technical questions, please call 1-888-866-5797. Item 64981... Page 3 Water entering the Code Reader 2• Avoid body contact with grounded increases the risk of electric shock. surfaces such as pipes, radiators, ranges and refrigerators• Item 64981 For technical questions, please call 1-888-866-5797. Page 3... Page 4 Service There are no user serviceable parts• Code Reader service must be performed only by qualified repair personnel• Page 4 For technical questions, please call 1-888-866-5797. Item 64981... Page 5 CAN bus• Emissions Control Information label, which is located in the engine compartment• OBD II was installed in some 1994 and 1995 model year gasoline vehicles• Item 64981 For technical questions, please call 1-888-866-5797. Page 5... Page 6 FUEL - Fuel System NCAT - NOx Aftertreatment CCM - Comprehensive Components BP - Boost Pressure System EGS - Exhaust Gas Sensor PM - PM Filter EGR - EGR System Page 6 For technical questions, please call 1-888-866-5797. Item 64981... Page 7 7 - Transmission Controls 8 - Transmission Controls 03 - Cylinder 3 *The Code Reader supports the following Code Types: Generic (SAE): Manufacturer Specific: P0, P2, P3, U0 P1, P3, U0 Figure A Item 64981 For technical questions, please call 1-888-866-5797. Page 7... Page 8 Red Light cable is a 16-pin connector (not shown)• When lit, indicates there is a fault condition in one or more of the vehicle’s systems and stored DTCs are present• Page 8 For technical questions, please call 1-888-866-5797. Item 64981... Page 9 Reader’s Main Menu should be available• Press SCROLL to move through each selection: 1• DTC 2• ERASE 3• I/M Figure B: Connecting Code 4• VIN Reader to Vehicle 5• RESCAN Item 64981 For technical questions, please call 1-888-866-5797. Page 9... Page 10 If no Diagnostic Trouble Codes were vehicle’s detected protocol: detected the green light will illuminate and the display will indicate: SCAN ISO9141 CODES Figure F: Example of Vehicle’s Detected Protocol Figure I: No DTCs detected Page 10 For technical questions, please call 1-888-866-5797. Item 64981... Page 11 165 to interpret data• b• The example below indicates “PO108” is first DTC in a sequence of nine stored DTCs• P0108 01/09 Figure K: Example of a stored DTC Item 64981 For technical questions, please call 1-888-866-5797. Page 11... Page 12 If yes, press ENTER/Exit• clear the error code. b• If no, press SCROLL to exit• 4• When the DTCs are successfully erased the message below will appear: ERASE FINISH Figure O: Erase Complete Page 12 For technical questions, please call 1-888-866-5797. Item 64981... Page 13 Note: A Drive Cycle will need to be completed before performing an I/M Readiness test if the battery has been disconnected or DTCs have been erased• Item 64981 For technical questions, please call 1-888-866-5797. Page 13... Page 14 Code Reader to the vehicle if the communication is 5. RESCAN disrupted/disconnected• Figure V: Rescan 2• Press ENTER/Exit to perform a Rescan/relink or SCROLL to abort and return to the Main Menu• ® Page 14 For technical questions, please call 1-888-866-5797. Item 64981... Page 15 ® Item 64981 For technical questions, please call 1-888-866-5797. Page 15... Page 16 Turbocharger/Supercharger Boost Control Solenoid A Circuit/Open P0046 Turbocharger/Supercharger Boost Control Solenoid A Circuit P0047 Turbocharger/Supercharger Boost Control Solenoid A Circuit Low P0048 Turbocharger/Supercharger Boost Control Solenoid A Circuit High P0049 Turbocharger/Supercharger Turbine Overspeed Page 16 For technical questions, please call 1-888-866-5797. Item 64981... Page 17 Intake Air Temperature Sensor 2 Circuit Low P0098 Intake Air Temperature Sensor 2 Circuit High P0099 Intake Air Temperature Sensor 2 Circuit Intermittent/Erratic P009A Intake Air Temperature / Ambient Air Temperature Correlation Item 64981 For technical questions, please call 1-888-866-5797. Page 17... Page 18 P0143 O2 Sensor Circuit Low Voltage Bank 1 Sensor 3 P0144 O2 Sensor Circuit High Voltage Bank 1 Sensor 3 P0145 O2 Sensor Circuit Slow Response Bank 1 Sensor 3 Page 18 For technical questions, please call 1-888-866-5797. Item 64981... Page 19 Fuel Rail Pressure Sensor A Circuit Intermittent/Erratic P0195 Engine Oil Temperature Sensor P0196 Engine Oil Temperature Sensor Range/Performance P0197 Engine Oil Temperature Sensor Low P0198 Engine Oil Temperature Sensor High P0199 Engine Oil Temperature Sensor Intermittent Item 64981 For technical questions, please call 1-888-866-5797. Page 19... Page 20 Turbocharger/Supercharger Boost Sensor A Circuit P0236 Turbocharger/Supercharger Boost Sensor A Circuit Range/Performance P0237 Turbocharger/Supercharger Boost Sensor A Circuit Low P0238 Turbocharger/Supercharger Boost Sensor A Circuit High P0239 Turbocharger/Supercharger Boost Sensor B Circuit Page 20 For technical questions, please call 1-888-866-5797. Item 64981... Page 21 Cylinder 7 Injector Circuit Low P0280 Cylinder 7 Injector Circuit High P0281 Cylinder 7 Contribution/Balance P0282 Cylinder 8 Injector Circuit Low P0283 Cylinder 8 Injector Circuit High P0284 Cylinder 8 Contribution/Balance Item 64981 For technical questions, please call 1-888-866-5797. Page 21... Page 22 Cylinder 11 Contribution/Balance P0294 Cylinder 12 Injector Circuit Low P0295 Cylinder 12 Injector Circuit High P0296 Cylinder 12 Contribution/Balance P0297 Vehicle Over Speed Condition P0298 Engine Oil Over Temperature P0299 Turbocharger/Supercharger Underboost Page 22 For technical questions, please call 1-888-866-5797. Item 64981... Page 23 P0355 Ignition Coil E Primary/Secondary Circuit P0356 Ignition Coil F Primary/Secondary Circuit P0357 Ignition Coil G Primary/Secondary Circuit P0358 Ignition Coil H Primary/Secondary Circuit P0359 Ignition Coil I Primary/Secondary Circuit Item 64981 For technical questions, please call 1-888-866-5797. Page 23... Page 24 Camshaft Position Sensor B Circuit Range/Performance Bank 2 P0392 Camshaft Position Sensor B Circuit Low Bank 2 P0393 Camshaft Position Sensor B Circuit High Bank 2 P0394 Camshaft Position Sensor B Circuit Intermittent Bank 2 Page 24 For technical questions, please call 1-888-866-5797. Item 64981... Page 25 Catalyst Temperature Sensor Circuit High Bank 2 Sensor 2 P043E Evaporative Emission System Leak Detection Reference Orifice Low Flow P043F Evaporative Emission System Leak Detection Reference Orifice High Flow P0440 Evaporative Emission System Item 64981 For technical questions, please call 1-888-866-5797. Page 25... Page 26 Evaporative Emission System High Purge Flow P0497 Evaporative Emission System Low Purge Flow P0498 Evaporative Emission System Vent Valve Control Circuit Low P0499 Evaporative Emission System Vent Valve Control Circuit High Page 26 For technical questions, please call 1-888-866-5797. Item 64981... Page 27 Power Steering Pressure Sensor/Switch Circuit P0551 Power Steering Pressure Sensor/Switch Circuit Range/Performance P0552 Power Steering Pressure Sensor/Switch Circuit Low P0553 Power Steering Pressure Sensor/Switch Circuit High P0554 Power Steering Pressure Sensor/Switch Circuit Intermittent Item 64981 For technical questions, please call 1-888-866-5797. Page 27... Page 28 Cruise Control Servo Control Circuit Low P0596 Cruise Control Servo Control Circuit High P0597 Thermostat Heater Control Circuit/Open P0598 Thermostat Heater Control Circuit Low P0599 Thermostat Heater Control Circuit High Page 28 For technical questions, please call 1-888-866-5797. Item 64981... Page 29 Power Steering Control Circuit P0636 Power Steering Control Circuit Low P0637 Power Steering Control Circuit High P0638 Throttle Actuator Control Range/Performance Bank 1 P0639 Throttle Actuator Control Range/Performance Bank 2 Item 64981 For technical questions, please call 1-888-866-5797. Page 29... Page 30 Glow Plug 4 Control Circuit High P067C Glow Plug 5 Control Circuit Low P067D Glow Plug 5 Control Circuit High P067E Glow Plug 6 Control Circuit Low P067F Glow Plug 6 Control Circuit High Page 30 For technical questions, please call 1-888-866-5797. Item 64981... Page 31 Sensor Reference Voltage C Circuit High P069A Glow Plug 9 Control Circuit Low P069B Glow Plug 9 Control Circuit High P069C Glow Plug 10 Control Circuit Low P069D Glow Plug 10 Control Circuit High Item 64981 For technical questions, please call 1-888-866-5797. Page 31... Page 32 Pressure Control Solenoid A P0746 Pressure Control Solenoid A Performance/Stuck Off P0747 Pressure Control Solenoid A Stuck On P0748 Pressure Control Solenoid A Electrical P0749 Pressure Control Solenoid A Intermittent Page 32 For technical questions, please call 1-888-866-5797. Item 64981... Page 33 Pressure Control Solenoid C P0796 Pressure Control Solenoid C Performance/Stuck Off P0797 Pressure Control Solenoid C Stuck On P0798 Pressure Control Solenoid C Electrical P0799 Pressure Control Solenoid C Intermittent Item 64981 For technical questions, please call 1-888-866-5797. Page 33... Page 34 Transmission Fluid Pressure Sensor/Switch A Circuit Low P0843 Transmission Fluid Pressure Sensor/Switch A Circuit High P0844 Transmission Fluid Pressure Sensor/Switch A Circuit Intermittent P0845 Transmission Fluid Pressure Sensor/Switch B Circuit Page 34 For technical questions, please call 1-888-866-5797. Item 64981... Page 35 P0895 Shift Time Too Short P0896 Shift Time Too Long P0897 Transmission Fluid Deteriorated P0898 Transmission Control System MIL Request Circuit Low P0899 Transmission Control System MIL Request Circuit High Item 64981 For technical questions, please call 1-888-866-5797. Page 35... Page 36 Auto Shift Manual Mode Circuit P0956 Auto Shift Manual Mode Circuit Range/Performance P0957 Auto Shift Manual Mode Circuit Low P0958 Auto Shift Manual Mode Circuit High P0959 Auto Shift Manual Mode Circuit Intermittent Page 36 For technical questions, please call 1-888-866-5797. Item 64981... Page 37 Transmission Fluid Pressure Sensor/Switch F Circuit High P0996 Transmission Fluid Pressure Sensor/Switch F Circuit Intermittent P0997 Shift Solenoid F Control Circuit Range/Performance P0998 Shift Solenoid F Control Circuit Low P0999 Shift Solenoid F Control Circuit High Item 64981 For technical questions, please call 1-888-866-5797. Page 37... Page 38 3• Try Rescan function or reset Code Reader by turning off ignition, wait 10 seconds, and turn ignition to ACC• Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service. Page 38 For technical questions, please call 1-888-866-5797. Item 64981... Page 39 - Consult the dealer or an experienced radio/TV technician for help• Record Serial Number Here: Note: If product has no serial number, record month and year of purchase instead• Note: Replacement parts are not available for this item• Item 64981 For technical questions, please call 1-888-866-5797. Page 39... Page 40 Limited 90 Day Warranty Harbor Freight Tools Co• makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase• This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance•... In the realm of automotive diagnostics, OBD II code readers have become essential tools for mechanics and car enthusiasts alike. The Scantech OBD II Code Reader 64981 stands out as a reliable device for troubleshooting and diagnosing vehicle issues. This article provides an in-depth look at the features, functionality, and operational guidance for the Scantech OBD II Code Reader 64981, empowering users to make the most of this diagnostic tool. Understanding OBD II Technology The On-Board Diagnostics II (OBD II) system is a standardized vehicle diagnostic system that provides real-time data on a vehicle’s performance and emissions. This technology allows users to monitor engine performance, identify faults, and ensure compliance with emissions regulations. OBD II systems are equipped in most vehicles manufactured after 1996, making OBD II code readers like the Scantech 64981 invaluable for both professional mechanics and DIY enthusiasts. Features of the Scantech OBD II Code Reader 64981 The Scantech OBD II Code Reader 64981 offers an array of features designed to facilitate effective vehicle diagnostics. One of its standout attributes is its user-friendly interface, which allows users to navigate easily through various menus and options. The device is compact and portable, making it convenient for on-the-go diagnostics. Additionally, it provides real-time data streaming, which is crucial for observing live vehicle performance metrics during testing. Furthermore, the Scantech 64981 can read and erase diagnostic trouble codes (DTCs), providing users with the capability to not only identify issues but also clear them once they have been addressed. This feature is particularly useful for resetting the check engine light after repairs. The device also supports multiple vehicle protocols, ensuring compatibility with a wide range of makes and models, thus expanding its usability. How to Operate the Scantech OBD II Code Reader 64981 Operating the Scantech OBD II Code Reader 64981 is straightforward, even for those who may not have prior experience with automotive diagnostic tools. To begin, users should locate the OBD II port in their vehicle, which is typically found under the dashboard near the driver’s seat. Once the port is identified, the next step is to connect the OBD II code reader to the port securely. After connecting the device, users will need to turn on the vehicle’s ignition without starting the engine. This action powers the OBD II code reader, allowing it to establish communication with the vehicle’s onboard computer. Once connected, the code reader’s display will prompt users to select from various options, including reading DTCs, viewing live data, or erasing trouble codes. To read diagnostic trouble codes, users can select the appropriate menu option, and the device will display any stored codes along with a brief description. If users wish to erase the codes, they can navigate to the erase option and confirm their choice. This feature ensures that users can easily manage their vehicle’s diagnostic information. Interpreting Diagnostic Trouble Codes Understanding the diagnostic trouble codes retrieved from the Scantech OBD II Code Reader 64981 is crucial for effective troubleshooting. Each code consists of a letter followed by four digits, with the letter indicating the system affected, such as P for powertrain, B for body, C for chassis, and U for network issues. The digits provide further insight into the specific problem. For example, a code starting with P0301 would indicate a misfire detected in cylinder one. Once the codes are understood, users can refer to the vehicle’s service manual or online resources to diagnose the underlying issues. By using the codes as a guide, users can pinpoint problems accurately and determine the necessary repairs or maintenance. Best Practices for Using the Scantech OBD II Code Reader 64981 To maximize the effectiveness of the Scantech OBD II Code Reader 64981, users should adhere to several best practices. Firstly, it is advisable to familiarize oneself with the user manual, which provides detailed instructions and troubleshooting tips specific to the device. Regularly updating the code reader’s software, if applicable, ensures that it remains compatible with the latest vehicle protocols and codes. Additionally, users should perform diagnostics periodically, even when the check engine light is not illuminated. This proactive approach can help identify potential issues before they escalate into major problems. When interpreting trouble codes, it is essential to consider the vehicle’s overall performance and conduct thorough inspections to confirm diagnoses. The Scantech OBD II Code Reader 64981 is a valuable tool for anyone looking to enhance their automotive diagnostic capabilities. With its user-friendly design, real-time data streaming, and compatibility with multiple vehicle protocols, it serves as an essential device for both professional mechanics and DIY car enthusiasts. By understanding how to operate the device effectively and interpret the diagnostic trouble codes, users can troubleshoot vehicle issues efficiently, ensuring optimal performance and longevity of their vehicles. For more information on specific features and troubleshooting, users are encouraged to refer to the product manual or visit the official Scantech website.