Intellitronix DP6005R

Intellitronix DP6005R Digital Dash Replacement Panel User Manual

For 1988-1991 Chevrolet Trucks

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Intellitronix DP6005R Digital Dash Replacement Panel. This product is designed specifically for 1988-1991 Chevrolet Trucks, offering a modern digital display solution. Please read this manual thoroughly before attempting installation or operation to ensure proper functionality and safety.

Important: The original housing/bezel for your vehicle's dashboard is not included with this product and must be reused or acquired separately.

2. PACKAGE CONTENTS

Upon unpacking your Intellitronix DP6005R Digital Dash Replacement Panel, please verify that all the following components are present:

- Direct fit printed circuit boards
- Custom fit "smoked" Plexiglas faceplate
- Universal temperature sending unit (S8013)
- Oil pressure sending unit
- Speedometer sending unit (S9013) for vehicles without electronic transmission or cruise control
- Installation instructions

Figure 2.1: Included components of the Intellitronix DP6005R Digital Dash Replacement Panel.

3. SETUP AND INSTALLATION

Installation of the Intellitronix DP6005R Digital Dash Replacement Panel requires careful attention to electrical connections and sensor placement. It is recommended that installation be performed by a qualified automotive technician if you are not familiar with automotive electrical systems.

3.1. General Installation Steps

1. Disconnect the vehicle's battery before beginning any electrical work.
2. Carefully remove the existing dashboard cluster from your 1988-1991 Chevy Truck.
3. Transfer the original housing/bezel to the new Intellitronix digital dash panel.
4. Connect the wiring harness from the vehicle to the new digital dash panel according to the provided wiring diagram (refer to the separate installation instructions included in the package).
5. Install the necessary sending units as described below.
6. Mount the new digital dash panel into the vehicle's dashboard opening.
7. Reconnect the vehicle's battery and test all functions.

3.2. Sending Unit Installation

- **Temperature Sending Unit (S8013):** Install the included S8013 temperature sender into the engine's coolant system. The standard bushing size provided is 1/2 inch. If a 3/8 inch bushing is required, it must be specified at the time of purchase or acquired separately.
- **Oil Pressure Sending Unit:** Install the included oil pressure sender into the engine's oil system.
- **Speedometer Sending Unit (S9013):** If your vehicle is not equipped with a functional electronic cruise control or electronic transmission, install the included S9013 universal speedometer sending unit. If your vehicle has an electronic cruise control sender, it can be utilized.
- **Fuel Level Sending Unit:** The Intellitronix DP6005R is designed to work with the existing GM fuel level sending unit already present in your vehicle. No new fuel level sender is required.

4. OPERATION

The Intellitronix DP6005R Digital Dash provides clear, precise readings for various vehicle parameters. Once installed and powered, the display will illuminate, showing the following information:

Figure 4.1: The Intellitronix DP6005R Digital Dash in operation, showing various gauge readings.

- **Speedometer:** Displays vehicle speed up to 255 MPH. Includes odometer, trip meter, 0-60 time, 1/4 mile ET, and high speed recall functions, accessible via a single button.
- **Tachometer:** Shows engine revolutions per minute (RPM) from 0 to 9,900 RPM, in 100 RPM increments.
- **Water Temperature:** Indicates engine coolant temperature within a range of 100-300°F.
- **Oil Pressure:** Displays engine oil pressure from 0-100 PSI.
- **Voltmeter:** Monitors the vehicle's electrical system voltage, ranging from 7.0-25.5 volts.
- **Fuel Level:** Shows fuel tank level from 0-99% in 1% increments.
- **Indicators:** Integrated turn signal and high beam indicators are also present on the panel.

5. CALIBRATION

The Intellitronix DP6005R Digital Dash features a simplified calibration process for the speedometer.

- **Speedometer Calibration:** The speedometer can be calibrated with a single button press. This calibration method is designed to be effective regardless of changes to tire size, gear ratio, or transmission type. Refer to the specific calibration instructions provided with your product for the exact procedure.

6. MAINTENANCE

To ensure the longevity and clear visibility of your digital dash panel, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, damp cloth to gently wipe the Plexiglas faceplate. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the surface.
- **Inspection:** Periodically check all wiring connections to ensure they remain secure.

7. TROUBLESHOOTING

If you encounter issues with your Intellitronix DP6005R Digital Dash, consider the following basic troubleshooting steps:

- **No Power/Display:** Verify that the vehicle's battery is properly connected and charged. Check all power and ground connections to the digital dash panel. Inspect fuses related to the dashboard and electrical system.
- **Incorrect Readings:** Ensure all sending units (temperature, oil pressure, speedometer) are correctly installed and securely connected. Check for any loose or damaged wiring to the sensors.
- **Speedometer Inaccuracy:** Perform the speedometer calibration procedure as outlined in the specific installation instructions.
- **Intermittent Operation:** Check for loose connections or potential electrical interference.

For persistent issues or complex problems, it is recommended to consult a professional automotive electrician or contact Intellitronix customer support.
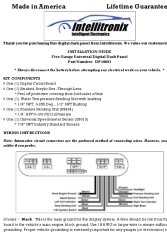
8. SPECIFICATIONS

Model Number	DP6005R
Brand	Intellitronix
Material	Copper, Fiberglass, Acrylic
Speedometer Range	0-255 MPH
Tachometer Range	0-9,900 RPM (in 100 RPM increments)
Water Temperature Range	100-300°F
Oil Pressure Range	0-100 PSI
Voltmeter Range	7.0-25.5 Volts
Fuel Level Range	0-99% (in 1% increments)
Item Weight	3 Pounds

9. WARRANTY AND SUPPORT

Intellitronix stands behind the quality of its products.

- **Lifetime Warranty:** This Intellitronix Digital Dash Replacement Panel is backed by a Lifetime Warranty. Please refer to the warranty documentation included with your product for full terms and conditions.
- **Manufacturing:** This product is 100% American Made.

For technical assistance, warranty claims, or further inquiries, please contact Intellitronix customer support through their official website or the contact information provided in your product packaging.

Related Documents - DP6005R

[Intellitronix DP10001 Five Gauge Universal Digital Dash Panel Installation Guide](#)
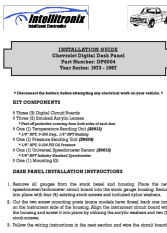Comprehensive installation guide for the Intellitronix DP10001 Five Gauge Universal Digital Dash Panel, covering kit components, wiring instructions, calibration, trip distance, odometer setting, and performance data recording.

[Intellitronix DP1101 Chevrolet Bel Air Dash Panel Installation Guide](#)
Detailed installation guide for the Intellitronix DP1101 Digital Dash Panel designed for 1955-1956 Chevrolet Bel Air vehicles. Covers kit components, dashboard disassembly and installation, comprehensive wiring instructions for all gauges, tachometer and speedometer calibration, trip distance, odometer setting, and performance data recording. Includes technical support contact information and warranty details.

[Intellitronix DP 8001 Chevrolet Nova Digital Dash Panel Installation Guide](#)
Comprehensive installation, wiring, and calibration guide for the Intellitronix DP 8001 Digital Dash Panel for 1963-1965 Chevrolet Nova models. Includes kit components, wiring diagrams, and setup instructions for optimal performance.

[Intellitronix DP6004 Chevrolet Digital Dash Panel Installation Guide](#)
Comprehensive installation guide for the Intellitronix DP6004 Chevrolet Digital Dash Panel, covering kit components, wiring instructions, and calibration procedures for classic Chevrolet vehicles (1973-1987).

[Intellitronix DP6004 Digital Dash Panel Installation Guide for 1973-1987 Chevrolet-GMC](#)
Comprehensive installation guide for the Intellitronix DP6004 Digital Dash Panel, compatible with 1973-1987 Chevrolet and GMC vehicles. Details kit components and installation procedures.

[Intellitronix DP6004 Digital Dash Panel Installation Guide](#)
Comprehensive installation guide for the Intellitronix DP6004 Digital Dash Panel, designed for Chevrolet and GMC vehicles from 1973-1987. Covers kit components, wiring, calibration, and support.

Documents - Intellitronix – DP6005R

[pdf] Installation Guide Instructions Guide

Jim Made in America Li jegs 3 DP6005 Intellitronix rev 06 23 2020 intellitronix Ground Black This is the main ground for display system A wire should be run from this board to vehicle engine block best Use 18 AWG or larger 556 dp6005b InstallationInstructions 500 Please Click here Instructions FilePlease click instructions fileInstallation GuideIntellitronix DP6005W LED Digital Dash 1988 1991 Chevy Truck White Speedometer 255 MPH Tachometer 9 900 RPM Water Temperature 100 300 Degrees F Oil Pressure PSI Voltmeter 7 25 5 V JEGS High PerformanceIntellitronix DP6005R Red JEGS3 toGUIDES556 dp6005w556 dp6005rjegs dp6005wjegs dp6005bintellitronixgauges content ||| ||| Made in America Lifetime Guarantee Thank you for purchasing this instrument from Intellitronix. We value our customers INSTALLATION GUIDE Chevrolet Digital Dash Panel Part Number:

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