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> Dakota Digital VHX Series Analog Dash Gauge System for 1947-1953 Chevy/GMC Trucks (Model VHX-47C-PU-S-W)

Dakota Digital VHX-47C-PU-S-W

Dakota Digital VHX Series Analog Dash Gauge System

Model: VHX-47C-PU-S-W for 1947-1953 Chevy/GMC Trucks

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Dakota Digital VHX Series Analog Dash Gauge System, model VHX-47C-PU-S-W. This system is specifically designed for 1947-1953 Chevrolet and GMC trucks, offering a modern instrumentation solution while retaining a classic aesthetic. The VHX Series integrates six analog instruments and two LCD message centers within custom-machined bezels that fit directly into the vehicle's stock gauge openings.

2. KEY FEATURES

- **Analog Instruments:** Speedometer, Tachometer, Oil Pressure, Water Temperature, Voltmeter, Fuel Level.
- **Digital Message Centers:** Two integrated LCD displays provide additional data.
- **Display Information:** Odometer, Trip Odometer, Resettable Service Odometer, Clock, Hour Meter, 0-60 MPH Timer.
- **Integrated Indicators:** Turn Signals, High Beam, Check Engine, Parking Brake, Cruise Control.
- **Illumination:** Fully lit needles and backlit faces for enhanced visibility.
- **Precision:** Micro-controlled precision stepper motors and solid-state sensors ensure accuracy.
- **Customization:** User-customizable display feedback.

3. INSTALLATION GUIDE

The Dakota Digital VHX Series gauge system is designed for direct fitment into the stock gauge openings of 1947-1953 Chevy and GMC trucks. Professional installation is recommended to ensure proper function and vehicle integration.

3.1 Components Overview

The system includes the main gauge cluster, custom-machined bezels, and necessary sensors.



Image 1: Front view of the Dakota Digital VHX Series Analog Dash Gauge System. The left gauge displays Speedometer, Fuel Level, Volts, and Odometer. The right gauge displays Tachometer, Water Temperature, Oil Pressure, and a digital clock.

3.2 Sensor Installation

The following sensors are included and must be correctly installed for accurate readings:

- **Oil Pressure Sensor:** 1/8" NPT fitting.
- **Water Temperature Sensor:** 1/8" NPT fitting, with included bushings for 1/4", 3/8", 1/2" NPT, as well as 12mm and 16mm for GM & LS applications.
- **Speedometer Pulse Generator:** Connects to the vehicle's transmission or driveshaft to provide speed input.



Image 2: Rear view of the Dakota Digital VHX Series Analog Dash Gauges. This image shows the robust construction and the various ports for electrical connections and sensor inputs.

3.3 Wiring and Power

Connect the gauge system to the vehicle's electrical system according to the detailed wiring diagram provided in the

complete installation manual (not included in this overview). Ensure proper grounding and fused power connections.

4. OPERATING INSTRUCTIONS

Once installed and powered, the VHX Series gauges will display real-time vehicle information. The analog needles provide immediate readings, while the digital message centers offer additional data and customization options.

4.1 Reading the Gauges

- **Speedometer:** Displays vehicle speed in MPH.
- **Tachometer:** Displays engine RPM.
- **Oil Pressure:** Indicates engine oil pressure.
- **Water Temperature:** Shows engine coolant temperature.
- **Voltmeter:** Displays vehicle electrical system voltage.
- **Fuel Level:** Indicates the amount of fuel in the tank.



Image 3: The Dakota Digital VHX Series Analog Dash Gauges illuminated in a low-light environment. The needles glow red, and the gauge faces are backlit in white, enhancing readability.

4.2 Digital Message Centers

The two LCD message centers cycle through various data points. Users can typically configure which information is displayed and in what order using control buttons (refer to the full product manual for specific button functions).

Commonly displayed information includes:

- Odometer (total mileage)
- Trip Odometer (resettable mileage for a single trip)
- Resettable Service Odometer
- Clock
- Hour Meter
- 0-60 MPH Timer

4.3 Indicator Lights

The integrated indicator lights provide visual alerts for various vehicle functions, such as turn signals, high beam activation, check engine warnings, parking brake engagement, and cruise control status.

5. MAINTENANCE

The Dakota Digital VHX Series gauge system requires minimal maintenance. Keep the gauge faces clean using a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the display or bezels. Ensure all electrical connections remain secure.

6. TROUBLESHOOTING

If you experience issues with your gauge system, consider the following basic troubleshooting steps:

- **No Power/Display:** Check all power and ground connections. Verify fuses are intact.
- **Inaccurate Readings:** Ensure all sensors are correctly installed and securely connected. Check sensor wiring for damage.
- **Flickering Display:** Verify stable power supply and proper grounding.

For persistent issues or complex diagnostics, consult the comprehensive Dakota Digital VHX Series manual or contact Dakota Digital technical support.

7. SPECIFICATIONS

Specification	Detail
Manufacturer	Dakota Digital
Brand	Restoration Performance (Dakota Digital Product)
Model Number	VHX-47C-PU-S-W
Compatibility	1947-1953 Chevy and GMC Trucks
Material	Metal (Bezels)
Item Weight	9 pounds
Package Dimensions	24 x 14 x 6 inches

8. WARRANTY AND SUPPORT

The Dakota Digital VHX Series Analog Dash Gauge System is backed by an unrivaled limited lifetime warranty. For warranty claims, technical assistance, or detailed installation instructions, please refer to the official Dakota Digital website or contact their customer support directly.

