

J - PIN VOLTAGE CHARTS

Article Text

1991 Volkswagen Vanagon
For Volkswagen Technical Site
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Saturday, March 18, 2000 09:18PM

ARTICLE BEGINNING

1991 ENGINE PERFORMANCE
Volkswagen Pin Voltage Charts

Vanagon

INTRODUCTION

Pin voltage charts are supplied to reduce diagnostic time. Checking pin voltages at ECU determines whether ECU is receiving and transmitting proper voltage signals. Charts may also help determine if ECU harness has an electrical short or open.

NOTE: Unless stated otherwise in testing procedures, perform all voltage tests using a Digital Volt-Ohmmeter (DVOM) with a minimum 10-megohm input impedance. Voltage readings may vary slightly due to battery condition or charging rate.

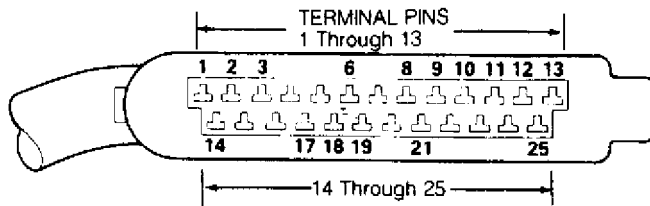


Fig. 1: Identifying ECU Connector Terminals (Typical)
Courtesy of Volkswagen United States, Inc.

ECU CONNECTOR PIN VOLTAGE TABLE

Terminals	Component To Be Tested & Condition (1)	Specified Value or Result
13 & 14	Voltage Supply (Control Unit), Ignition ON	Battery Voltage
14 & 19	Voltage Supply (Control Unit), Ignition ON	Battery Voltage
3 & 13 (Jumper)	Wires To Fuel Pump Relay, Ignition ON	Pumps Must Run Audibly
13 & 25	Wire From Coil Term. 1, Ignition ON	Battery Voltage
1 & 7	AEG Hall Control Unit, Ignition ON	Battery Voltage Or Less
1 & 15	FAIRCHILD Hall Control Unit, Ground Center	1.5 Volts Or Less
1 & 13	From Starter Term. 50 & From Adapter For Idle Stabilizer Control Unit Terminal 50, Disconnect Connector From Injectors.	8 Volts Minimum

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3 3 Operate Starter, Select "P" Then "N" .3 3
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END OF ARTICLE