

Wednesday, August 25, 1999 08:50PM

[illegible]

J - PIN VOLTAGE CHARTS

Article Text (p. 2)

1991 Volkswagen Passat

For Volkswagen Technical Site

Copyright © 1998 Mitchell Repair Information Company, LLC

Wednesday, August 25, 1999 08:50PM

| 3 | 3 | 3 | Specified | 3 |
|---|--|---|---|---|
| 3 | Terminals | 3 | Component To Be Tested & Condition (1) | 3 |
| 3 | Value or Result | 3 | | 3 |
| 3 | 18 & 19 | 3 | Voltage Supply, Ignition Off | 3 |
| 3 | 14 & 35 | 3 | Voltage Supply, Ignition ON | 3 |
| 3 | 17 & 35 | 3 | Idle Stabilizer Valve, Ignition ON | 3 |
| 3 | 33 & 19 | 3 | A/C Compressor On, (2) | 3 |
| 3 | | 3 | Click From | 3 |
| 3 | | 3 | Comp Clutch | 3 |
| 3 | 19 & 34 | 3 | Ground To Pin No. 1, Ignition Off | 3 |
| 3 | (M/T) | 3 | | 3 |
| 3 | 34 & 35 | 3 | Wiring To Starter Lockout Relay, | 3 |
| 3 | | 3 | Select "P", Operate Starter | 3 |
| 3 | 21 & 35 | 3 | Hall Sender Voltage Supply, Ignition ON | 3 |
| 3 | 2 & 35 | 3 | Signal From Speed Sender (3) | 3 |
| 3 | 3 & 35 | 3 | Coolant Temp. Curve (4) | 3 |
| 3 | | 3 | Voltage Must | 3 |
| 3 | | 3 | Lower Uniformly | 3 |
| 3 | 30 & 35 | 3 | Signal From Hall Sender, Ignition Off, | 3 |
| 3 | | 3 | Operate Starter | 3 |
| 3 | | 3 | (5) Tester | 3 |
| 3 | | 3 | Must Flicker | 3 |
| 3 | (1) - TESTING CONDITIONS: Disconnect ECU Connector with ignition | 3 | | 3 |
| 3 | off. Remove and ground high tension lead (from coil) at | 3 | | 3 |
| 3 | distributor cap. Set multimeter to 20-volt DC scale. | 3 | | 3 |
| 3 | (2) - Jump terminals with jumper wire. DO NOT use multimeter. | 3 | | 3 |
| 3 | (3) - With Ignition ON and L/F wheel rolled very slowly, | 3 | | 3 |
| 3 | approximately every 10-degrees of rotation, voltage will | 3 | | 3 |
| 3 | switch from near zero to roughly 10 volts. This is an on-off | 3 | | 3 |
| 3 | signal; exact voltages are not critical. | 3 | | 3 |
| 3 | (4) - Start engine cold and allow to warm up while observing | 3 | | 3 |
| 3 | multimeter. | 3 | | 3 |
| 3 | (5) - With ignition off, disconnect multimeter and adapters from | 3 | | 3 |
| 3 | test box. Disconnect power output stage of ignition coil. | 3 | | 3 |
| 3 | Connect LED Tester (US 1115 or VAG 1527B) to test box | 3 | | 3 |
| 3 | terminals No. 30 and 35 using Adapter Kit (VW 1594). | 3 | | 3 |
| 3 | | 3 | | 3 |

END OF ARTICLE