CDI ELECTRONICS

(DVA) PEAK READING VOLTAGE AND RESISTANCE CHARTS

NOTICE: These charts were compiled using the CDI 511-9773 Peak Adapter with a shielded Digital Multimeter.

NOTE: The resistance readings are given for a room temperature of 68°F. Higher temperatures will cause a slightly higher resistance reading.
DVA readings should always be taken with everything hooked up with the exception of the kill circuit.

The CDI peak reading voltage adapter is specifically designed to work with shielded Digital Multimeters. This adapter will simplify the testing of electronic ignition systems, stators, sensors and charging systems. The DVA readings will be approximately the same as any other DVA meter and the specifications listed in the service manuals can be followed without problems (Hopefully a little easier to you).

The CDI piercing probe set (511-9770) and the pack load resister (511-9775) are highly recommended for use with this adapter.

INSTRUCTIONS

1. Plug the adapter into the shielded Digital Multimeter with the (+) rib side pin in the (V, Ohms) jack and the other pin in the (COM) jack.
2. Set the digital voltmeter to DC Volts (the purpose of the adapter is to convert and *store* the voltage so that it can be read by a meter).
3. Connect the probes to the component to be measured.

*NOTE: The adapter will **automatically compensate for polarity** and all readings will be peak voltage.*

See the following pages for readings of Chrysler, Force, Mercury, OMC (Johnson/Evinrude), OMC Sea Drive and Yamaha engines. Other ignitions can be tested using test results given by the manufacturer of the equipment or by comparing a known good system to a suspect one. Please forward any additional readings you would like to have included in future printings.

Johnson & Evinrude Outboard

DVA (Peak Voltage) and Resistance Chart

HP	Year	Ignition	Stator						Trigger		
		Part	Chg	Power	Chg	Power	Chg	Power		DVA	Reading
		Number	Ohms Reading		DVA Output		Read	Color	Ohm	Out	Colors
4-55	1971-1977	Power Pack 2	450-600	N/A	150V+	N/A	Brown to Engine Gnd	N/A	10-20	0.5V+	White/Black to Black/White
4-60	1978-1988	CD2	450-600	N/A	150V+	N/A	Brown to Brown/Yellow	N/A	35-55	0.5V+	White/Black to Black/White
4-55	1989-1993	CD2 - USL	450-950	N/A	150V+	N/A	Brown to Brown/Yellow	N/A	N/A	N/A	N/A
4-55	1989-1993	CDI Elect-USL Repl*	450-600	N/A	150V+	N/A	Brown to Brown/Yellow	N/A	35-55	0.5V+	White/Black to Black/White
5-60	1992-2000	CD2 W/SLOW	450-600	N/A	150V+	N/A	Brown to Brown/Yellow	N/A	35-55	0.5V+	White/Black to Black/White
5-60	1992-2005	CD2 SL	500-700	450-600	150V+	12-24V	Brown to Brown/Yellow	Org to Org/Blk	35-55	0.5V+	White/Black to Black/White
25-35 Elect Start	1995-1997	CD3 OPTICAL	720-880	52-62	150V+	12V+	Brown to Brown/Yellow	Org to Org/Blk	N/A	N/A	N/A
25-35 Man Start	1995-1997	CD3 OPTICAL	1010-1230	76-92	150V+	12V+	Brown to Brown/Yellow	Org to Org/Blk	N/A	N/A	N/A
60	1986-1989	CD3	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	35-45	0.5V+	Wht to Blue/Pur/Grn
60	1989-1992	CD3 W/SLOW	450-600	90-100 40-50*	150V+	12V+	Brown to Brown/yellow	Org to Org/Blk	35-45	0.5V+	Wht to Blue/Pur/Grn
60	1993-2000	CD3 Looper	500-700	450-600 40-50*	150V+	12V+	Brown to Brown/yellow	Org to Org/Blk	Open	0.5V+	Wht to Bl/Pur/Grn
65 - 70	1972-1978	Power Pack 3	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	10-20	0.5V+	Black/White to White/Blacks
65	1989	CD3 W/SLOW	450-600	90-100 40-50*	150V+	12V+	Brown to Brown/yellow	Org to Org/Blk	35-45	0.5V+	Wht to Blue/Pur/Grn
65	1992-1995	CD4	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	35-45	0.5V+	Wht to Bl/Pur/Grn/Pk
65 COMM	1984-1988	CD3	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	35-45	0.5V+	Wht to Bl/Pur/Grn
65 COM Elect Start	1989-1992	CD3	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	35-45	0.5V+	Wht to Bl/Pur/Grn
65 COM Man Start	1989-1992	CD3 W/SLOW	500-700	450-600 40-50*	150V+	12V+	Brown to Brown/yellow	Org to Org/Blk	35-45	0.5V+	Wht to Bl/Pur/Grn
65 COM	1992-1995	CD3 W/SLOW	500-700	450-600 40-50*	150V+	12V+	Brown to Brown/yellow	Org to Org/Blk	35-45	0.5V+	Wht to Bl/Pur/Grn
70	1979-1988	CD3	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	35-45	0.5V+	Wht to Bl/Pur/Grn
70	1989-1997	CD3 W/SLOW	450-700	450-600 40-50*	150V+	12V+	Brown to Brown/yellow	Org to Org/Blk	35-45	0.5V+	Wht to Bl/Pur/Grn
80	1992-1996	CD4	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	35-45	0.5V+	Wht to Bl/Pur/Grn/Pk
85 - 140	1973-1977	Power Pack 4	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	10 - 20	0.5V+	#1 to #3 and #2 to #4
85	1979-1983	CD4	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	35-45	0.5V+	Wht to Bl/Pur/Grn/Pk
85	1991-1995	CD4	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	35-45	0.5V+	Wht to Bl/Pur/Grn/Pk
88	1987-1996	CD4	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	35-45	0.5V+	Wht to Bl/Pur/Grn/Pk
90	1984-1997	CD4	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	35-45	0.5V+	Wht to Bl/Pur/Grn/Pk
90 - 115 OPTICAL	1995-2006	CD4AL	450-600	50-60	150V+	12V+	Brown to Brown/yellow	Org to Org/Blk	N/A	N/A	N/A
100	1990-1994	CD4	450-600	N/A	150V+	N/A	Brown to Brown/yellow	N/A	35-45	0.5V+	Wht to Bl/Pur/Grn/Pk

N/A = Not Applicable — Sec = Secondary — Org/Blk = Orange/Black Stripe — Pk = Pink

*Part Manufactured by CDI Electronics — Pri = Primary — Blk = Black — Pur = Purple

COMM = Commercial — Gnd = Ground — Bl = Blue

NOTE: Ignition Coils will read 0.2 to 1.0 ohms on the Primary and 200-400 ohms on the secondary windings

NOTICE: ALL DVA READINGS ARE TO BE TAKEN WITH ALL WIRING CONNECTED EXCEPT THE STOP CIRCUIT.