



LBCD Static Tests
(Dynamic Tests on Page 2)

NOTICE

Static tests may not diagnose all LBCD failures. Dynamic testing should also be performed. See Page 2.

Before testing unit:

Remove all cables from top terminals and control harness from side of unit.

TABLE 1 Pin-to-Pin Tests (See Figures 1 and 2)

METER SCALE & SYMBOL	METER (+) LEAD CONNECTION	METER (-) LEAD CONNECTION	TESTED CIRCUIT	EXPECTED READING
Diode Test \rightarrow	24V LOAD terminal	24V BATTERY terminal	24V battery circuit	OL (blocking)
Diode Test \rightarrow	24V BATTERY terminal	24V LOAD terminal	24V battery circuit	.3-.7V (flow)
Diode Test \rightarrow	12V LOAD terminal	12V BATTERY terminal	12V battery circuit	OL (blocking)
Diode Test \rightarrow	12V BATTERY terminal	12V LOAD terminal	12V battery circuit	.3-.7V (flow)
Diode Test \rightarrow	Socket A*	Socket B*	internal circuit	.3-.7V (flow)
Diode Test \rightarrow	Socket B*	Socket A*	internal circuit	OL (blocking)
Ohms Ω	Socket A*	Socket C*	internal circuit	>25 K ohms
Ohms Ω	Socket A*	Socket D*	internal circuit	300-350 ohms
Ohms Ω	Socket A*	Socket E*	internal circuit	>25 K ohms

* Socket in LBCD control harness receptacle

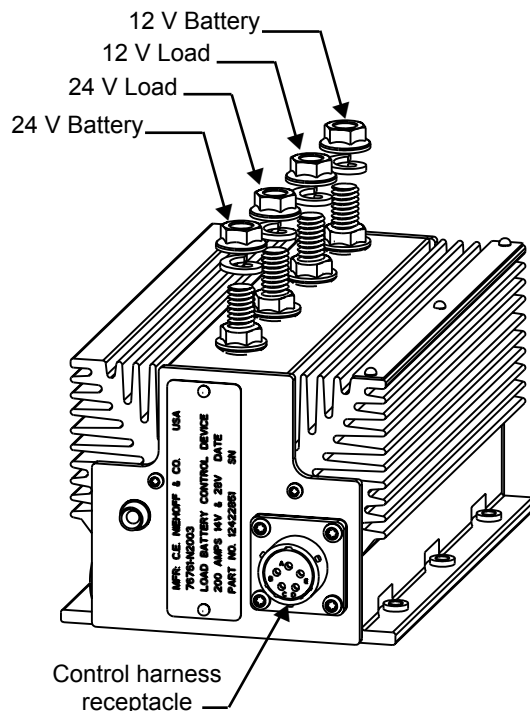


Figure 1 – N2003 Load & Battery Control Device

Pin	Function
A	Battery Ground
B	Chg. System Indicator Ground Signal
C	Battery Disconnect Ground Signal
D	AC In from Regulator AC Terminal
E	Battery Voltage Sense/Trickle Charge

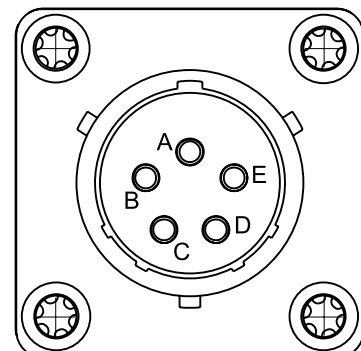


Figure 2 – N2003 Control Harness Receptacle

LBCD DYNAMIC Tests

(Static Tests on Page 1)

MASTER SWITCH ON, KEY ON, ENGINE ON

