

DIAGNOSIS AND TESTING (Continued)

ANTI-LOCK QUICK CHECK SHEET USING 60-PIN  
EEC-IV BREAKOUT BOX, TOOL T83L-50-EEC-IV<sup>①</sup>

NOTE: Before performing tests below, the Pre-Test Checks must be performed as outlined.

NOTE: If fault is intermittent the tests listed below will NOT find the fault. Use controller service code or call Hot-Line if this situation occurs.

Item to be Tested	Ignition Mode	Measure Between Pin Numbers	Tester Scale/Range	Specification	Test Step
Battery Check	ON	60 + 53	VOLTS	10 Minimum	A1
Main Relay Coil	OFF	53 + 34	OHMS	45 to 90 ohms	A6
<b>Jumper pins 60 and 34</b>					
Power from Main Relay	ON	19 + 33	VOLTS	10 minimum	A5
<b>Remove jumper from pins 60 and 34</b>					
Main Relay Circuit	OFF	60 + 33	CONTINUITY	continuity	A9
Sensor Resistance (RR)	OFF	27 + 45	K OHMS	0.8-1.4K ohms	C5
Sensor Resistance (LF)	OFF	30 + 48	K OHMS	0.8-1.4K ohms	C1
Sensor Resistance (LR)	OFF	28 + 46	K OHMS	0.8-1.4K ohms	C7
Sensor Resistance (RF)	OFF	29 + 47	K OHMS	0.8-1.4K ohms	C3
Valve Resistance (IFL)	OFF	3 + 20	OHMS	5-8 ohms	BB2
Valve Resistance (IFR)	OFF	3 + 38	OHMS	5-8 ohms	BB6
Valve Resistance (IRL)	OFF	3 + 54	OHMS	5-8 ohms	BB14
Valve Resistance (IRR)	OFF	3 + 55	OHMS	5-8 ohms	BB10
Valve Resistance (OFL)	OFF	3 + 2	OHMS	3-6 ohms	BB4
Valve Resistance (OFF)	OFF	3 + 21	OHMS	3-6 ohms	BB8
Valve Resistance (ORR)	OFF	3 + 18	OHMS	3-6 ohms	BB12
Valve Resistance (ORL)	OFF	3 + 36	OHMS	3-6 ohms	BB16
Pump Motor Speed Sensor Resistance	OFF	31 + 49	OHMS	5-100 ohms	EE8
Reservoir Warning (FLS #2)	OFF	8 + 26	OHMS	LESS THAN 5 OHMS	A14
Pedal Travel Switch: Pedal NOT Applied	OFF	5 + 26	CONTINUITY	continuity	D2
With Minimum 3 Inch Apply	OFF	5 + 26	CONTINUITY	no continuity	D4
Sensor Cable Continuity Wiring to Ground					
(RR)	OFF	27 + 60	CONTINUITY	no continuity	B3
(LF)	OFF	30 + 60	CONTINUITY	no continuity	B7
(LR)	OFF	28 + 60	CONTINUITY	no continuity	B1
(RF)	OFF	29 + 60	CONTINUITY	no continuity	B5
Sensor Voltage: Rotate wheels @ 1 revolution per second.					
(RR)	OFF	27 + 45	AC MVOLTS	100-1400 mvolts	C19
(LF)	OFF	30 + 48	AC MVOLTS	100-1400 mvolts	C17
(LR)	OFF	28 + 46	AC MVOLTS	100-1400 mvolts	C20
(RF)	OFF	29 + 47	AC MVOLTS	100-1400 mvolts	C18

① If Quick Test does not isolate symptom, refer to Diagnostic Indicator Symptom Chart.

CH7908-B