

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	SYSTEM COVERAGE	1
1.2	SIX-STEP TROUBLESHOOTING PROCEDURE	1
2.0	IDENTIFICATION OF SYSTEM	1
3.0	SYSTEM DESCRIPTION AND FUNCTIONAL OPERATION	1
3.1	TEVES MARK 20I SYSTEM DESCRIPTION	1
3.1.1	PEDAL FEEL/VEHICLE CHARACTERISTICS	2
3.1.2	SYSTEM COMPONENTS	2
3.1.3	ABS AND BRAKE WARNING INDICATORS	2
3.1.4	CONTROLLER ANTILOCK BRAKE (CAB)	2
3.1.5	HYDRAULIC CONTROL UNIT	3
3.1.6	RELAYS/SWITCHES	3
3.1.7	SENSORS	3
3.2	DIAGNOSTIC TROUBLE CODES	4
3.2.1	SYSTEM INITIALIZATION	4
3.2.2	DIAGNOSTIC MODE	4
3.2.3	INTERMITTENT DIAGNOSTIC TROUBLE CODES	4
3.3	AXLE LOCK	4
3.3.1	GENERAL	4
3.3.2	DESCRIPTION	4
3.4	USING THE DRBIII®	5
3.5	DRBIII® ERROR MESSAGES	5
3.5.1	DRBIII® DOES NOT POWER UP (BLANK SCREEN)	5
3.5.2	DISPLAY IS NOT VISIBLE	5
4.0	DISCLAIMERS, SAFETY WARNINGS	5
4.1	DISCLAIMERS	5
4.2	SAFETY	6
4.2.1	TECHNICIAN SAFETY INFORMATION	6
4.2.2	VEHICLE PREPARATION FOR TESTING	6
4.2.3	SERVICING SUB-ASSEMBLIES	6
4.2.4	DRBIII® SAFETY INFORMATION	6
4.3	WARNING	6
4.3.1	VEHICLE DAMAGE WARNINGS	6
4.3.2	ROAD TESTING A COMPLAINT VEHICLE	7
4.4	DIAGNOSIS	7
5.0	REQUIRED TOOLS AND EQUIPMENT	7
6.0	GLOSSARY OF TERMS	8
7.0	DIAGNOSTIC INFORMATION AND PROCEDURES	9
	BRAKES (CAB)	
	CAB POWER FEED CIRCUIT	10
	CONTROLLER FAILURE	13
	G-SWITCH NOT PROCESSABLE	15
	LEFT FRONT SENSOR CIRCUIT FAILURE	19
	LEFT REAR SENSOR CIRCUIT FAILURE	19

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

GENERAL INFORMATION

6.0 GLOSSARY OF TERMS

ABS	antilock brake system	JBLK	junction block
AC	alternating current	JTEC	Jeep and Truck Engine Controller
BCM	Body Control Module	LF	left front
CAB	controller antilock brake	LR	left rear
CCD	Chrysler Collision Detection	PCM	Powertrain Control Module
DC	direct current	PDC	power distribution center
DLC	data link connector	P/M	pump motor
DRBIII®	diagnostic read-out box	RF	right front
DTC	diagnostic trouble code	RR	right rear
HCU	hydraulic control unit	SCI	Serial Communication Interface
HZ	Hertz	SOL	Solenoid
		WSS	wheel speed sensor

Symptom List:

LEFT FRONT SENSOR CIRCUIT FAILURE
LEFT REAR SENSOR CIRCUIT FAILURE
RIGHT FRONT SENSOR CIRCUIT FAILURE
RIGHT REAR SENSOR CIRCUIT FAILURE

Test Note: All symptoms listed above are diagnosed using the same tests. The title for the tests will be LEFT FRONT SENSOR CIRCUIT FAILURE.

When Monitored and Set Condition:**LEFT FRONT SENSOR CIRCUIT FAILURE**

When Monitored: Ignition on. The CAB monitors the Wheel Speed Sensor circuits continuously.

Set Condition: If the CAB detects an open or shorted wheel speed sensor circuit, the Diagnostic Trouble Code (DTC) will set.

LEFT REAR SENSOR CIRCUIT FAILURE

When Monitored: Ignition on. The CAB monitors the Wheel Speed Sensor circuits continuously.

Set Condition: If the CAB detects an open or shorted wheel speed sensor circuit, the Diagnostic Trouble Code (DTC) will set.

RIGHT FRONT SENSOR CIRCUIT FAILURE

When Monitored: Ignition on. The CAB monitors the Wheel Speed Sensor circuits continuously.

Set Condition: If the CAB detects an open or shorted wheel speed sensor circuit, the Diagnostic Trouble Code (DTC) will set.

RIGHT REAR SENSOR CIRCUIT FAILURE

When Monitored: Ignition on. The CAB monitors the Wheel Speed Sensor circuits continuously.

Set Condition: If the CAB detects an open or shorted Wheel speed sensor circuit, the Diagnostic Trouble Code (DTC) will set.

POSSIBLE CAUSES

SENSOR OR CONNECTOR DAMAGE

INTERMITTENT DTC

WHEEL SPEED SENSOR OPEN OR SHORTED TO GROUND

WHEEL SPEED SENSOR (+) OR (-) CIRCUIT SHORTED TO VOLTAGE

SYSTEM OVER VOLTAGE — Continued

TEST	ACTION	APPLICABILITY
3	Turn the ignition off. Disconnect the CAB connector. Note: Check connector - Clean/repair as necessary. Start the engine. Raise engine RPM's above 1,800. Measure the battery voltage. Is the voltage above 16.5 volts ? Yes → Refer to appropriate service information for charging system testing and repair. Perform ABS VERIFICATION TEST - VER 1. No → Go To 4	All
4	Turn the ignition off. Disconnect the CAB connector. Note: Check connector - Clean/repair as necessary. Measure the resistance of the ground circuits. Is the resistance below 1.0 ohm? Yes → Go To 5 No → Repair the Ground circuit for an open. Perform ABS VERIFICATION TEST - VER 1.	All
5	If there are no potential causes remaining, view repair. Repair Replace the Controller Antilock Brake. Perform ABS VERIFICATION TEST - VER 1.	All
6	Turn the ignition off. Visually inspect the related wiring harness. Look for any chafed, pierced, pinched, or partially broken wires. Visually inspect the related wire harness connectors. Look for broken, bent, pushed out, or corroded terminals. Refer to any Hotline letters or Technical Service Bulletins that may apply. Were any problems found? Yes → Repair as necessary. Perform ABS VERIFICATION TEST - VER 1. No → Test Complete.	All

***NO RESPONSE FROM CONTROLLER ANTILOCK BRAKE — Continued**

TEST	ACTION	APPLICABILITY
5	Turn the ignition off. Disconnect the CAB harness connector. Measure the resistance of the SCI Transmit circuit between the CAB connector and the DLC. Is the resistance below 5.0 ohms? Yes → Go To 6 No → Repair the SCI Transmit circuit for an open. Perform ABS VERIFICATION TEST - VER 1.	All
6	If there are no possible causes remaining, view repair. Repair Replace the Controller Antilock Brake in accordance with the Service Information. Perform ABS VERIFICATION TEST - VER 1.	All

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL

- Thank you very much for reading the preview of the manual.
- You can download the complete manual from: www.heydownloads.com by clicking the link below



- Please note: If there is no response to CLICKING the link, please download this PDF first and then click on it.

CLICK HERE TO **DOWNLOAD** THE COMPLETE MANUAL