

COMMUNICATION

Symptom:

***NO RESPONSE FROM CAB**

| POSSIBLE CAUSES |
|---|
| FUSED IGNITION SWITCH OUTPUT CIRCUIT OPEN |
| GROUND CIRCUIT OPEN |
| CCD BUS (+) CIRCUIT OPEN |
| CCD BUS (-) CIRCUIT OPEN |
| FUSED IGNITION SWITCH OUTPUT CIRCUIT INTERMITTENTLY SHORTED TO GROUND |
| FUSED IGNITION SWITCH OUTPUT CIRCUIT SHORTED TO GROUND |
| CAB DEFECTIVE - FUSED IGNITION SWITCH OUTPUT SHORTED TO GROUND |
| CAB DEFECTIVE - NO RESPONSE |

| TEST | ACTION | APPLICABILITY |
|------|---|---------------|
| 1 | Turn the ignition on. Note: As soon as one or more module communicates with the DRBIII®, answer the question. With the DRBIII®, select BODY, then select Mechanical Instrument Cluster (MIC). With the DRBIII®, select ENGINE. Were you able to establish communication with any of the modules? Yes → Go To 2 No → Refer to symptom *BUS (+) OPEN in the COMMUNICATION category. Refer to symptom *BUS(+) AND BUS(-) SHORTED TOGETHER in the COMMUNICATION category. | All |
| 2 | Turn the ignition off. Remove and Inspect ABS RWAL Fuse #3 in the Junction Block. Is the Fuse blown? Yes → Go To 3 No → Go To 7 | All |
| 3 | Turn the ignition off. Visually inspect the Fused Ignition Switch Output Circuit in the wiring harness from the Junction Block to the CAB. Look for any sign of an intermittent short to ground. Is the wiring harness OK? Yes → Go To 4 No → Repair the Fused Ignition Switch Output Circuit for a short to ground Perform the ABS Verification Test - Ver 1. | All |

***NO RESPONSE FROM CAB — Continued**

| TEST | ACTION | APPLICABILITY |
|------|--|---------------|
| 4 | Turn the ignition off. Disconnect the ABS RWAL Fuse #3 from the Junction Block. Disconnect the CAB connector. Note: Check connector - Clean/repair as necessary. Measure the resistance between ground and the fused ignition switch output circuit. Is the resistance below 5.0 ohms? Yes → Repair Fused Ignition Switch Output Circuit Shorted to Ground. Check all the components on the circuit for a short to ground. Perform the ABS Verification Test - Ver 1. No → Go To 5 | All |
| 5 | Turn the ignition off. Install a new ABS RWAL Fuse #3 in the Junction Block. The CAB must be connected for the results of this test to be valid. Disconnect all other components that are on this fused ignition switch output circuit. Turn the ignition on. With the DRBIII®, actuate the pump motor. Inspect the ABS RWAL #3 Fuse in the Junction Block. Is the fuse blown? Yes → Replace the CAB. Perform the ABS Verification Test - Ver 1. No → Go To 6 | All |
| 6 | Turn the ignition off. If there are no potential causes remaining, replace the Fuse. View repair options. Repair Test Complete. | All |
| 7 | Turn the ignition off. Disconnect the ABS RWAL Fuse #3 in the Junction Block. Disconnect the CAB connector. Note: Check connector - Clean/repair as necessary. Measure the resistance of the Fused Ignition Switch Output circuit between the Fuse terminal and the CAB connector. Is the resistance below 5 ohms? Yes → Go To 8 No → Repair Fused Ignition Switch Output Circuit Open Perform the ABS Verification Test - Ver 1. | All |
| 8 | 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 9 No → Repair Ground Circuit Open. Perform the ABS Verification Test - Ver 1. | All |

***NO RESPONSE FROM CAB — Continued**

| TEST | ACTION | APPLICABILITY |
|------|---|---------------|
| 9 | Turn the ignition off. Disconnect the CAB connector. Note: Check connector - Clean/repair as necessary. Connect a jumper wire between the CCD Bus (+) circuit and the CCD Bus (-) circuit. Turn the ignition on. Using the DRBIII®, perform the CCD Bus Test Does the DRBIII® display "Bus Shorted Together"? Yes → Refer to symptom *REPLACING THE CAB in the BRAKES (CAB) category. No → Go To 10 | All |
| 10 | Turn the ignition off. Disconnect the CAB connector. Note: Check connector - Clean/repair as necessary. Connect a jumper wire between the CCD Bus (+) circuit and ground. Turn the ignition on. Using the DRBIII®, perform the CCD Bus Test Does the DRBIII® display "Bus Shorted to Ground"? Yes → Go To 11 No → Repair the CCD Bus (+) Circuit open. Perform the ABS Verification Test - Ver 1. | All |
| 11 | Turn the ignition off. Disconnect the CAB connector. Note: Check connector - Clean/repair as necessary. Connect a jumper wire between the CCD Bus (-) circuit and ground. Turn the ignition on. Using the DRBIII®, perform the CCD Bus Test Does the DRBIII® display "Bus Shorted to Ground"? Yes → Go To 12 No → Repair the CCD Bus (-) Circuit open. Perform the ABS Verification Test - Ver 1. | All |
| 12 | If there are no potential causes remaining, replace the CAB. View repair options. Repair Replace the CAB. Perform the ABS Verification Test - Ver 1. | All |