

Pin Out Test: CAN BUS +ve voltage			
-Modules All modules connected -Battery connected 12.49 V			
Test Description	Date	Result should be:	Result is:
-Key On -Meter setting: 20 V scale -Measure voltage between DLC pin 6 (CAN BUS high) and and DLC pin 4 (Chassis Ground)	04/13/22	< 5 V	2.26 V
-Key Off -Meter setting: 20 V scale -Measure voltage between DLC pin 6 (CAN BUS high) and and DLC pin 4 (Chassis Ground)	04/13/22	< 5 V	1.38 V
04/13/22 Conclusion: CAN BUS +ve Voltage reading is good.			

Pin Out Test: CAN BUS +ve short to ground			
-Modules -All modules connected -Battery disconnected			
	Date	Result should be:	Result is:
-Meter setting: M scale -Measure resistance between DLC pin 6 (CAN BUS high) and and DLC pin 4 (Chassis Ground)	04/13/22	> 10,000 ohms	1.004 (ie 10,040 ohms)
-Meter setting: 200k scale -Measure resistance between DLC pin 6 (CAN BUS high) and and DLC pin 4 (Chassis Ground)	04/13/22	> 10,000 ohms	4.8
-Meter setting: 20k scale -Measure resistance between DLC pin 6 (CAN BUS high) and and DLC pin 4 (Chassis Ground)	04/13/22	> 10,000 ohms	4.87
-Meter setting: 2k scale -Measure resistance between DLC pin 6 (CAN BUS high) and and DLC pin 4 (Chassis Ground)	04/13/22	> 10,000 ohms	1.763
Conclusion: Retest needed with new meter, recommendation from post 97 'due to Ohm scales are not working properly.			
<ul style="list-style-type: none"> <li>-On meg Ohms you would get your reading of 1.004 M Ohms, which would be high but still very good.</li> </ul>			

- However on the next two scales you are showing 4.8 which would be 4.8 K Ohms.
- and finally only 1.76 on the 2K scale.
- The only ones that relate are the 4.8 K readings, which are probably right with the problems you are having.
- The 2K scale should read OL and the M Ohm should read 0.005 M.'

	Date	Result should be:	Result is:
-Meter setting: Ohms and select Automatic -Measure resistance between DLC pin 6 (CAN BUS high) and and DLC pin 4 (Chassis Ground)	05/01/22	> 10,000 Ohms	4.92 k Ohms
05/01/22 Conclusion: Rested with new digital multimeter. Not > 10,000 Ohms.			

Pin Out Test: CAN BUS +ve short to ground			
-Modules -ICM disconnected -J-gate (JCM) disconnected -Battery disconnected			
	Date	Result should be:	Result is:
-Meter setting: Ohms and then select Automatic -Measure resistance between DLC pin 6 (CAN BUS high) and and DLC pin 4 (Chassis Ground)	05/01/22	> 10,000 ohms	OL M Ohms
05/01/22 Conclusion:			

Pin Out Test: CAN BUS +ve short to ground			
-Modules -ICM disconnected -Battery disconnected			
	Date	Result should be:	Result is:
-Meter setting: Automatic -Measure resistance between DLC pin 6 (CAN BUS high) and and DLC pin 4 (Chassis Ground)	05/01/22	> 10,000 ohms	4.93 k Ohms
04/30/22 Conclusion: Ohms are not > 10,000 Ohms			

Pin Out Test: CAN BUS +ve short to ground			
-Modules -J-gate (JCM) disconnected -Battery disconnected			

	Date	Result should be:	Result is:
-Meter setting: Automatic -Measure resistance between DLC pin 6 (CAN BUS high) and and DLC pin 4 (Chassis Ground)	05/01/22	> 10,000 ohms	5.39M Ohms
04/30/22 Conclusion: over 10,000 Ohms			

Pin Out Test: CAN BUS -ve voltage			
-Modules -All modules connected -Battery connected 12.49 V			
Test Description	Date	Result should be:	Result is:
-Key On -Meter setting: 20 V scale -Measure resistance between DLC pin 14 (CAN BUS low) and and DLC pin 4(Chassis Ground)	04/13/22	< 5 V	1.94 V
-Key Off -Meter setting: 20 V scale -Measure resistance between DLC pin 14 (CAN BUS low) and and DLC pin 4 (Chassis Ground)	04/13/22	< 5 V	1.38
04/13/22 Conclusion: CAN BUS -ve Voltage reading is good.			

Pin Out Test: CAN BUS -ve short to ground			
-Modules: -J-gate module (JCM) disconnected -ICM disconnected -ASM disconnected -Battery disconnected			
Description	Date	Result should be:	Result is:
-Modules: J-gate (JCM) disconnected -ICM disconnected -ASM disconnected -Battery disconnected -Pin Out Test Description -Resistance between DLC pin 14 (CAN BUS Low) and DLC pin 4 (Chassis Ground)	05/01/22	0 Ohms	-with setting on Ohms: meter reads OL Ohms -with setting on Ohms and select Automatic: meter reads 0.L M Ohms

05/01/22 conclusion:			
-Modules: -J-gate (JCM) disconnected -ICM disconnected -ASM disconnected -Battery disconnected -Meter setting: 200 ohm scale -Measure resistance between DLC pin 14 (CAN BUS Low) and DLC pin 5 (Signal Ground)	05/01/22	> 10,000 ohms	-on Ohms: meter reads OL Ohms - on automatic: meter reads 0.L M Ohms
05/01/22 conclusion:			

Pin Out Test: CAN BUS -ve short to ground			
-Modules -ICM disconnected -J-gate (JCM) disconnected -Battery disconnected			
	Date	Result should be:	Result is:
-Modules -ICM disconnected -J-gate (JCM) disconnected -Battery disconnected -Meter setting: Automatic -Measure resistance between DLC pin 14 (CAN BUS low) and and DLC pin 4 (Chassis Ground)	05/01/22	> 10,000 ohms	OL M Ohms
05/01/22 Conclusion:			

Pin Out Test: CAN BUS -ve short to ground			
-All modules connected -Battery disconnected			
Test Description	Date	Result should be:	Result is:
-Meter setting: M scale -Measure resistance between DLC pin 14 (CAN BUS low) and and DLC pin4 (Chassis Ground)	04/13/22	> 10,000 ohms	1.004
-Meter setting: 200k scale -Measure resistance between DLC pin 14 (CAN BUS low) and and DLC pin 4 (Chassis Ground)	04/13/22	> 10,000 ohms	4.8
-Meter setting: 20k scale -Measure resistance between DLC pin 14 (CAN BUS low) and	04/13/22	> 10,000 ohms	4.87

and DLC pin 4 (Chassis Ground)			
-Meter setting: 2k scale -Measure resistance between DLC pin 14 (CAN BUS low) and and DLC pin 4 (Chassis Ground)	04/13/22	> 10,000 ohms	1.187
-Meter setting: "Automatic Meter" -Measure resistance between DLC pin 14(CAN BUS low) and and DLC pin 4 (Chassis Ground)	05/01/22 Do again to be sure	>10,000 ohms	OL
04/13/22 Conclusion:			

Pin Out Test: CAN BUS -ve short to ground			
-Modules -All modules connected -Battery disconnected			
Test Description	Date	Result should be:	Result is:
-Meter setting: M scale -Measure resistance between DLC pin 14 (CAN BUS low) and DLC pin 4 (Chassis Ground)	04/13/22	> 10,000 ohms	.OL
04/13/22 Conclusion: Retest with a new digital multimeter			
-Modules -J-gate (JCM) disconnected -Battery disconnected			
Test Description	Date	Result should be:	Result is:
-Meter setting: Ohms and select automatic -Measure resistance between DLC pin 14 (CAN BUS low) and DLC pin 4 (Chassis Ground)	05/01/22	> 10,000 ohms	5.46M Ohms
05/01/22 Conclusion:			

Pin Out Test: CAN BUS -ve to ground			
Test Description	Date	Result should be:	Result is:
CAN BUS -ve to ground: -ABS module connector disconnected - battery disconnected -measure resistance between DLC pin 14 (CAN BUS low), to DLC	05/01/22	> 10,000 ohms	-with setting on Ohm: OL -with setting on Ohm and select automatic: 4.54 M Ohms

pin 4( Chassis Ground).			
Modules: -ABS module connector disconnected - battery disconnected -measure resistance between DLC pin 14 (CAN BUS low), to DLC pin 5( ( Signal Ground).	05/01/22	> 10,000 ohms	-with setting on Ohm: OL -with setting on Ohm and select automatic: 4.64 M Ohms
Modules: -ABS module connector disconnected - battery disconnected -measure resistance between DLC pin 14 (CAN BUS low), to negative battery terminal	05/01/22	> 10,000 ohms	-with setting on Ohm: OL -with setting on Ohm and select automatic: 0.L M Ohms