

2005 - 2012 Corvette: Service Bulletin: #PIC5558: Additional Diagnosis For Folding Top Temperature Messages Displayed On The DIC - (Oct 3, 2011)

#PIC5558: Additional Diagnosis For Folding Top Temperature Messages Displayed On The DIC - (Oct 3, 2011)

Subject:	Additional Diagnosis For Folding Top Temperature Messages Displayed On The DIC
Models:	2004 - 2009 Cadillac XLR
	2005 - 2012 Chevrolet Corvette with Power Folding Top (RPO CM7)

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

Condition/Concern:

On some occasions it may be found that the folding top is inoperative. A message on the Drivers Information Center (DIC) may read "Top Too Cold To Move" or "Top Motor Over Temp". You may also notice a DTC B3670 that is set in the Folding Top Control Module.

Recommendation/Instructions:

If normal diagnosis leads to replacing the folding top pump assembly, disconnect the white dock-and-lock connector on the side of the pump. Using an ohm meter, check resistance across terminals B9 and B10 (Cadillac XLR) or terminals B7 and B8 (Chevrolet Corvette) on the pump side of the harness connector C431 (X431). Then record the resistance reading and compare to the chart below.

Celsius	Fahrenheit	Resistance (ohms)
-40	-32	5.32M
-30	-22	2.966M
-20	-4	1.74M

0	32	750000
20	68	263000
25	77	220000
30	86	179500
40	104	121300
50	122	83630
60	140	58710
70	158	41920
80	176	30410
85	185	26400
90	194	22390
95	203	19555
100	212	16720
110	230	12630
120	248	9663
130	266	7478
140	284	5851
150	302	4625
160	320	3691
170	338	2973
180	356	2415
190	374	1978
200	392	1632
210	410	1355
220	428	1132
230	446	952
240	464	806
250	482	686
260	500	587
270	518	506
280	536	437

290	554	380
300	572	332

If the top has only been operated one time, a message is displayed, and the thermistor is reading outside the normal range, the folding top pump will need to be replaced because the thermistor is not available separately.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.

Online URL: <https://www.corvetteactioncenter.com/tech/knowledgebase/article.php?id=1348>