## ■ Fault symptom

The rear mirror cannot be folded sometime in cold weather.

## Fault diagnosis process

1. Confirmed the problem.



- 2. Drove the car to the workshop, the problem didn't occur.
- 3. At first, we thought the rearview mirror may has some water inside, then it froze in cold weather. However, after opened it and checked the wiring harness, everything is good. We tried to replace a new outside rearview mirror, the problem still occurred sometimes. And we also found that not just in snowy weather, but in cold weather (temperature more than  $0^{\circ}$ C).
- 4. We took a video of the problem and then discovered some details: the problem was not "cannot be folded", but "cannot be folded completely". One side just folded a little and then stopped, the other side folded completely.



5. Since the part is good, we thought that the cause maybe the software and confirmed with R&D. The reason is that, if the running current is greater than 70% of the starting current and the duration is greater than 300ms, the module will determine the stop position and then power off. The fault mainly occurs in winter. Due to the increase in motor operating current at low temperatures, the

folding process of the rearview mirror triggers a stop condition, and the control module loses power in advance, causing the folding to not be in place.

## Fault solution

Upgrade the software of PDM and DDM on GLDS.

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	AUD	Audio Control Mo	Use 855 software in fail.	1362.9							
	Desveta	Driver Information	Use BSS scheere in fail.	347.4							
	C50	Climate control di	Use BSS software in full.	235.9							
	585	Supplemental Re-	Use RSS software in fail.	731.6	6	Turban Room	Caroli				
	POM	Penerger Door	Use RSS scheare in fail.	279.3	0						
	PAS1400	Parking Assist Sy	Use 855 software in fail.	20248-1	0.6						
	E Colora	Destruction Course II	Use 855 software	141.0							

## Quality inspection & repair confirmation

Recheck again and confirm problem is solved.