



1984 – 1996 C4 & 1997 - 2004 C5 CORVETTE HEADLIGHT MOTORS COMMON ISSUES & SOLUTIONS

HM1004 – HM1005 – HM1006 – HM1007

Before installing new headlight motors, it is very important to check for any possible factors that may have caused failure and/or lead to your headlight motors wearing out quickly or not operating properly.

DEAD MOTOR

Malfunctioning motors may be the issue. Check if voltage is going to the motors, a good reading of the meter will pinpoint the issue. Directly connect the motor with the 12 volts from the battery, if it moves then the problem is not the motor.

HEADLIGHT BUCKET ALIGNMENT

A mis-aligned headlight bucket will cause motor failure. After removing your motors check the complete rotation of both headlight buckets from the close position to the fully opened position for any friction or hard spots where there may be problems in the rotation. Many Corvettes have been hit before causing abnormal friction in the rotation of the assembly. They should feel completely smooth where you can easily open and close the buckets. If you feel any friction or hard spots it is most likely to body interference.

BAD HEADLIGHT SWITCH CONTROL MODULE

Listen for the gears spinning. Turning the twilight function in DIC settings will usually work if the switch is the problem. If the computer does not flip up the lights look elsewhere as it may not be the switch. Test the ground and power circuit of the pop-up control for an open or poor connection.

A GEAR ISSUE

Listen if the motor is spinning, if the motor keeps running you are dealing with a stripped gear failure. Replace the motor with a new one.