



“Luminator” Low-Rise Headlight system
for C5 Corvette

Stiffening Kit Fix

Function

Bump stops –

The factory bump stops help to lock the headlight into position when in the full-up position. With the low-rise kit, these headlights are not pushed high enough to engage the factory stops. This kit includes adjustable bump-stop extensions that engage at the lower rise full-up position.

Upper hinge lock.

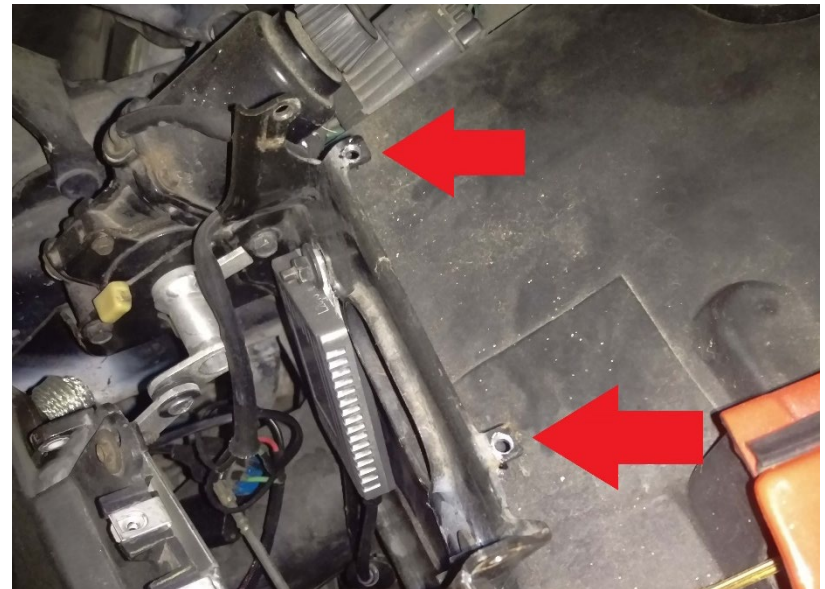
The upper headlight hinge has a small amount of built-in tolerance. The movement of the lifting arm of the upper hinge to outside of the traditional location results in a slight increase in angle from the arm resulting in additional slack. The kit uses an eye bolt around the replacement hinge bolt to remove this slack.

Tools Required

- Drill with drill bits
- 3/16" drill bit
- Phillips head screwdriver
- T15, T20 screwdriver or bits
- Socket wrenches or open-end wrench set.

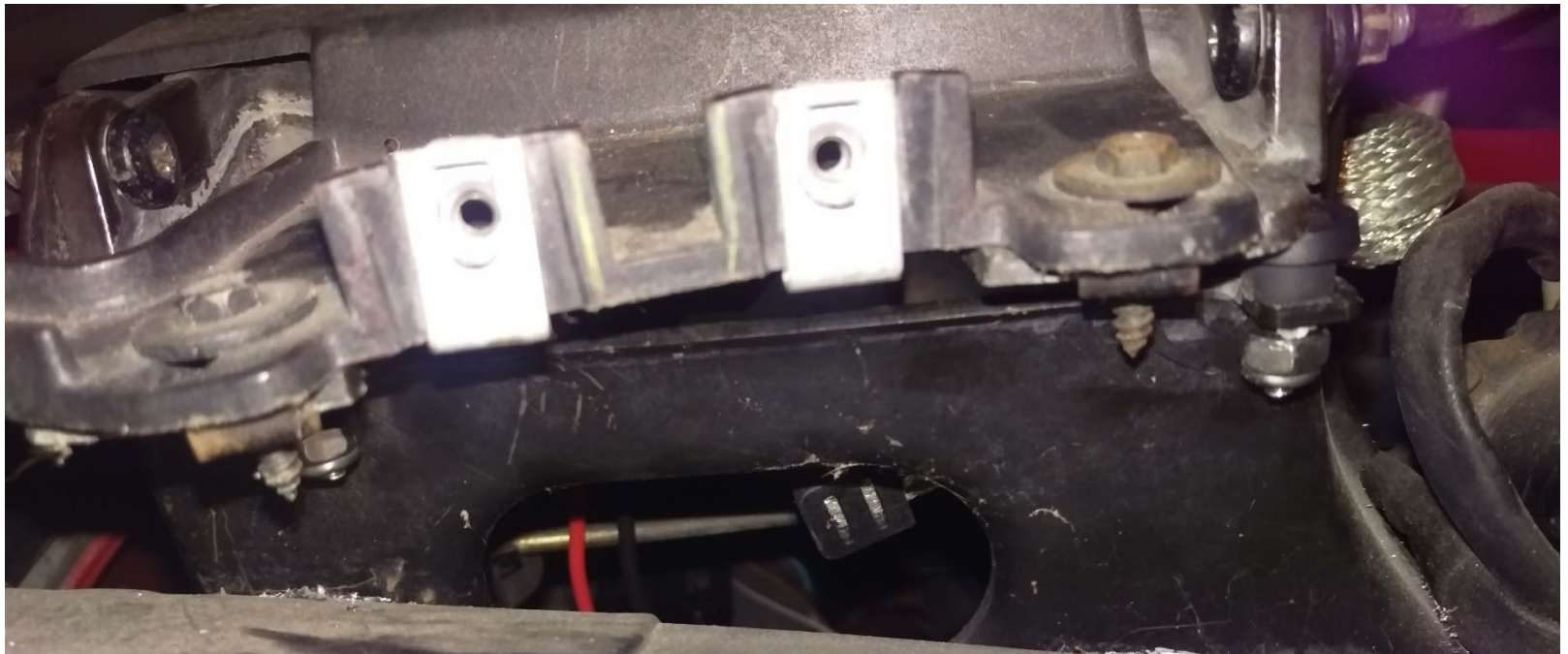
Bump stop

1. Remove the headlight shroud (if your kit came with one)
2. Remove the painted headlight cover.
3. Identify the factory bump stops
4. Remove the nylon bump stops
5. Drill a hole in the center of each tab



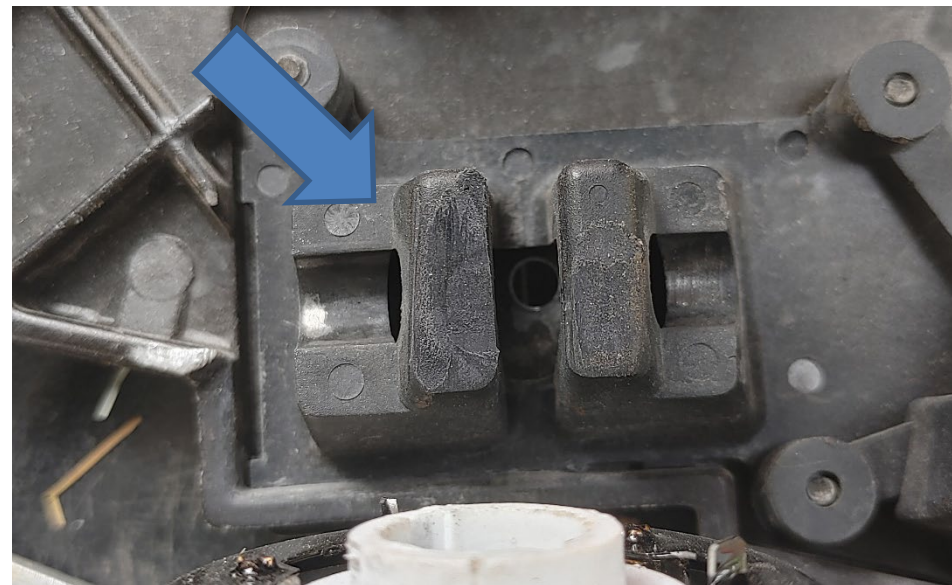
6. Install the Bolt, finishing washer, rubber bushing and locking nut as shown.

7. Manually raise the headlight and adjust the bump stop to make sure they firmly contact with the headlight frame when the headlight is fully raised.

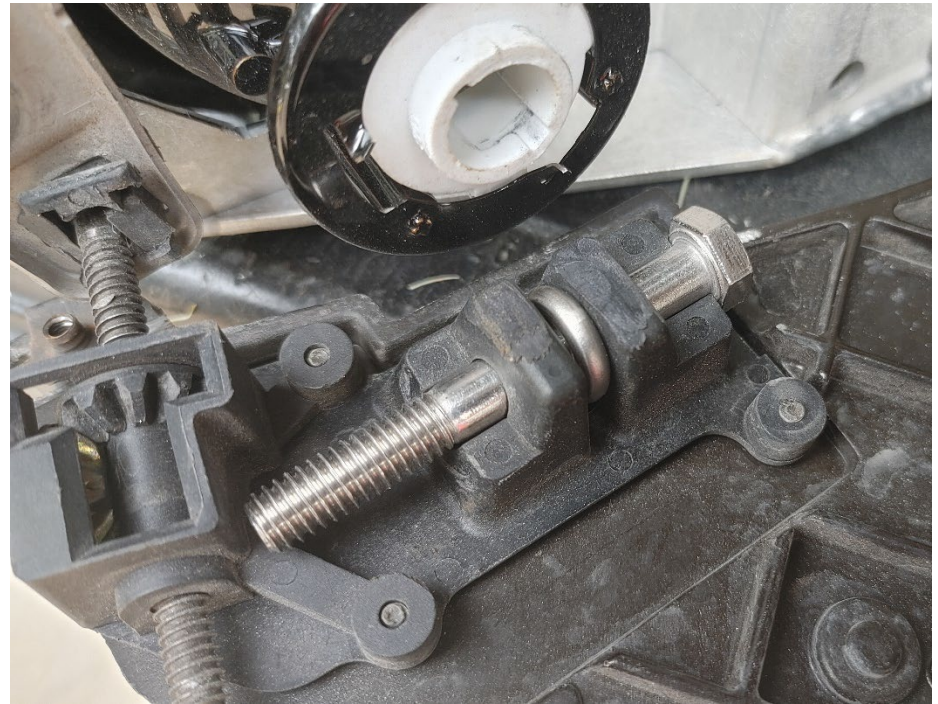


Upper hinge lock

1. Remove the four t15 screws holding the headlight adjuster plate. (note the position using a pencil to trace the washer)
2. Remove the T20 headlight hinge bolts and unbolt the lifting arm from the headlight motor. Disconnect low and high beams and remove the headlight.
3. Identify and remove the hinge bolt
4. Drill a hole in the center of the upper hinge pin



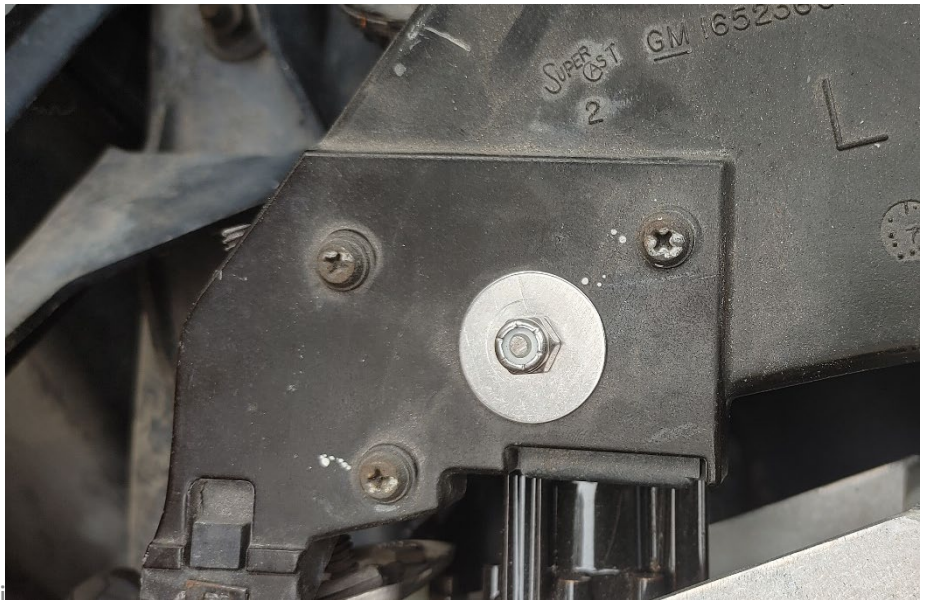
5. Insert the eye bolt into the drilled hole, then install the bolt (make sure to install the lifting arm on the bolt) This picture is shown without the arm. Install the lock nut on the bolt and tighten to where there is only just barely free movement of the lifting arm.



6. Install the fender washer on the eye bolt and locking nut as shown and tighten.

7. Secure the lifting arm to the motor and headlight to the t20 hinge bolts. Re-connect low and high beams. Check light function.

8. Re-install the headlight lid adjuster plate noting the circles you drew on it earlier



7. Re-install the lid and shroud.