

Disconnect battery before installing:

Both headlight sides install in the same manner but the supplied billet brackets are side specific and marked "P" for passenger side and "D" for driver side.

Remove your black plastic grille piece in front of the vacuum actuator. Each grille piece is mounted with two bolts on top of the nose section and with two Z-shaped lower steel brackets.

Remove the vacuum hoses from the vacuum actuators. Make sure you plug these hoses to prevent poor engine performance from the resulting vacuum leak.

Remove the following:

- Vacuum canister, mounted with two nuts on the vacuum canister bracket.
- C-clip
- Large coil spring
- Small flat steel bracket on door crank attached with one sheet metal bolt (aka overcenter bracket)
- Small square plastic bushing

Slip the black urethane rubber bumper over the door stop bolt shown highlighted in the next picture. The factory original rubber may still be covering the door stop bolt but must be removed with a very sharp Exacto knife or similar tool before the supplied bumper can be installed. The supplied bumpers must be installed with the curve facing forward and the bumper opening facing the radiator. This conversion system will not work properly without the supplied bumpers in place.

The original black "clam-shell" plastic bushing holding the door crank (see photo below) is often missing, partially broken or about to disintegrate. We have included this easily installed bushing along with other door bushings that may have deteriorated over the years. In most cases only the clam-shell bushing needs to be replaced.

Install the movable (top) actuator bracket (driver or passenger side specific) using the supplied 10/24 lock nut and flat-head allen screw. The bracket should fit perfectly in the square hole of the headlight door crank but may need to be squeezed in place with a pair of pliers.

The fixed (lower) actuator bracket mounts to the original using the two original vacuum canister mounting holes and supplied ¼" allen bolts. Mount the rear bracket with the actuator fork facing the radiator.

Mount the electric actuator to the actuator brackets using the supplied stainless shoulder bolts. Fine tune the actuator length to fit the actuator brackets by unscrewing the door actuator ram. The door should be tightly closed by hand while installing the actuator. The actuator ram can be fine tuned up to 8 full turns from screwed all in. If additional door adjustment is needed the two original bolts holding the door crank to the door assembly can be adjusted.

Connect the actuator plug to the control box plug. The control box should be installed in an area protected from high pressure water spray and must be installed with the mounting ears facing down. A good spot to mount the control box is the bottom lip of the endure bumper right below the removed grille piece. The control box can be mounted using screws, industrial Velcro, 3M Car Accessory tape, silicone glue or epoxy.

WARNING!: The battery **MUST** be disconnected before installing control boxes

WARNING!: Wires **MUST** be installed in the following order or damage may occur

Black wire - Is ground. Connect to any ground source (i.e. the headlamp housing).

Red wire - Is the power supply to the motor and must be connected to a permanent non-switched (always on) power source. Connecting directly to the battery or battery junction is recommended for the passenger side, while the horn relay works well for the driver side. The included 4 amp inline fuse must be used.

Yellow wire - Must be spliced to any low beam wire (tan wire on GM headlight plug).

White wire - Must be spliced to any high beam wire (green wire on GM headlight plug).

Re-connect the battery, install the headlamp assembly and enjoy your hideaway headlights.

Notes:

Once the headlight doors are in motion, the headlight switch should not be operated until the headlight doors have completed their operation.

The headlight door closing is delayed a couple seconds to allow flashing the headlights (to alert oncoming traffic) without the headlight doors shuddering.

To leave the headlight doors in the open position (i.e. for cleaning or lamp change) turn the headlights on and disconnect the power to the headlight system (i.e. pull fuse) or disconnect the grey plug between actuator and control box, then turn headlight switch off.