

## headlamp motor fix

The electric headlamp adjusters on my car had a tendency to hunt up and down when the normal position (Posn 0) on the switch was selected, This is how I solved the problem.



First, remove the motor from the headlamp. This is done with a quarter turn anti-clockwise of the motor unit and then sliding the yellow ball out of it's groove.



Next, prise the motor unit open. This is done by inserting a small screwdriver between the two halves and working around the groove. The part on the left contains the manual height adjuster mechanism. The part on the right is the motor and control circuits.



Next, use a small sharp knife to remove the head of each plastic securing rivet (arrowed) that secure the board to the assembly. This doesn't cause any problems later on.



This picture shows the unit after the board has been lifted off. The contact points arrowed are the position feedback for the motor. These get covered in grease from the gears and fail to make a good contact. Carefully clean these

points with a good quality switch cleaner.

The motor can be seen on the left with it's two power contacts sticking up.



This is the reverse of the circuit board when removed. The feedback contacts run along the circular track on the left. This also gets covered in grease from the drive gears and needs cleaning to remove and grease.

Once this and the feedback contacts are cleaned, the assembly can be fixed together again. The motor now drives the lights to the correct position without overshooting or hunting. Job done!

#### **Latest news 21/May/2001 -**

I read your article about the headlights after i came back from Kayjey with this problem.

It was very helpful, but just to late for me. When i came home the IC (TY93059p) was already burned out from 200km off hunting.

So, if someone has this problem, let him immediately remove the connector from the unit.

At work i contacted Motorola if they can send a "sample" of the IC. It isn't available from any supplier because it's a special for Valeo. If you have to replace the complete unit, it will cost about €100,- at my local dealer. I hope somebody else can use this info.

**Sander Habets**

**Berghem, The Netherlands**

**'98 coupe 20V scotts green metallic**