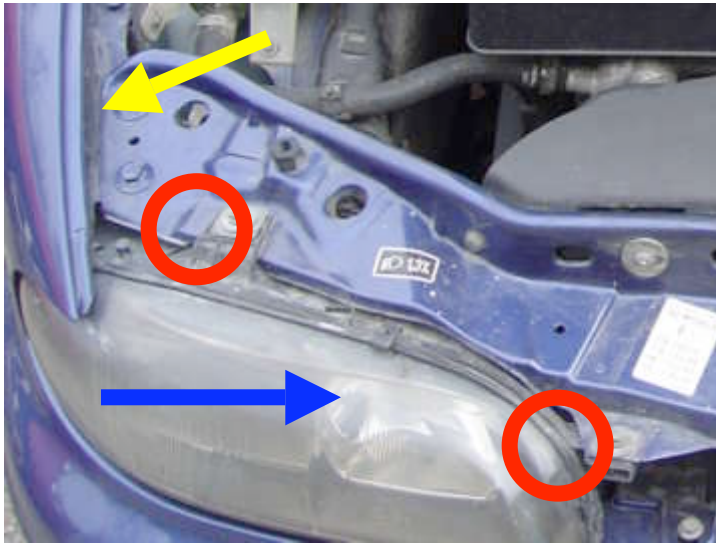


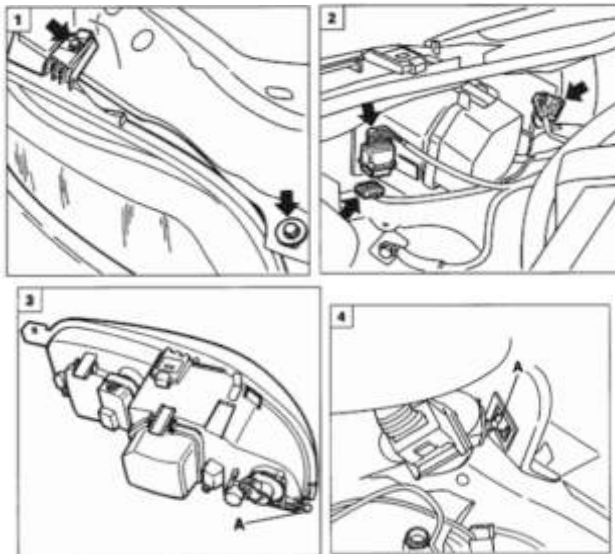
## Marea headlights change – with pics and instructions on how to install the headlight motor

First you need to remove the old headlights. You do it like so.



Take out the two screws circled red, they are the only thing that holds the lights in place. Now when you have removed the screws, you need to push the light in the blue arrow direction (opposite direction on the other headlight) so you can pull out a ball head screw out of its holder. If it doesn't go out easy, take a look where the yellow arrow points (in the corner of the wing) and you will see the ball head screw. Spray it with a bit of WD40 or some silicone spray so it can come out easily. Now push/hit the head light out of it.

After you have done that, disconnect all connectors that are attached to the headlight. Now take the headlight off.

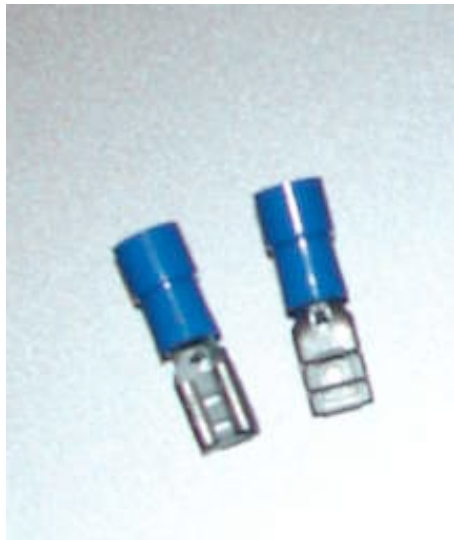


Here is the procedure shown using graphics.

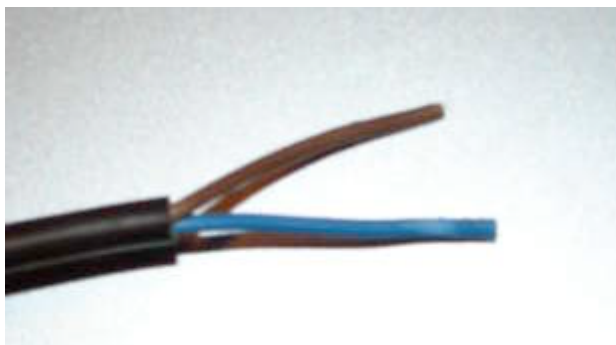
After you have done that you will need two connectors or do something similar / same as what I have written to connect the position lights of the marea lights.



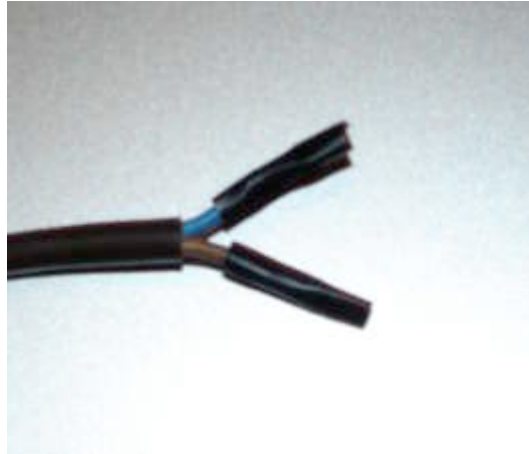
This is the connector you need.



Or you can use female speaker clamps like these.



The next step is to get a wire, it must have two conducts that are in different colors or speaker wires with the red line on one of the cables. So you can distinguish the wires. Required length: ca. 40/50 cm, or use more if you want.



Connect the wire in the connector or the speaker clamps on one end.

On the picture are the speaker clamps.

After you have connected the speaker clamps to the wires. You need to insulate them, so they look like this.

If you have the connectors, you wont need to do the following.



The bulb holder on the pictures isn't the marea light bulb holder, but a side repeaters one, so you can see the process !!!!

After that, take out the bulb holder and attach the clamps on the pins in the bulb holder like this.



The next step is to insulate the bulb holder. Here a hot glue gun was used, but you can use silicone or duck tape, or electrical tape.

The first pic is the hot glue gun method and the second the duck tape method.

If you have lights with no adjusting motors on them and need to switch them from your Bravo lights, do the following.



This is the motor.

To release it, turn it in the direction of the long beam bulb opening.

If you turn it other way around, it wont go due to the light casings.



After you have turned it, gently pull out the motor out (pic) and then push it in the arrow direction.



It will get out of a slit in which it was. And it will look like this.

Pic1-motor

Pic2-slit



Now you have to do the same, but opposite on the marea light.

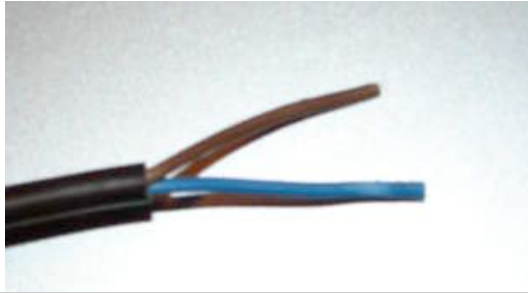
**NOTE:** try holding the inner part of the headlight with your finger while inserting the motor pin in. So the inner part wont move. Like so.

Or use the screw on the motor to completely extrude the yellow ball screw on the motor, so it can fit easy.

**WARNING !!!!**

**Do not forget the spring that goes on the motor.**

The following is for all, connectors included.



If you have used a wire that has a outdoor insulation, you will need to cut off the outer insulation so it looks like this.

**NOTE:** before you take the marea headlight to the car, change the bulbs you want. It is easier to change them while the lights are not mounted on the car.

After you have done the above, you need to find the wires you need to use (on the car wiring loom), so the light would work.

The wires are in the plastic tube that goes to the biggest connector on the headlight. It's the one that is under the motor for adjusting the headlights.

*Wires:*

(the wires are stated left and right looking from the drivers seat to the front of the car)

**Left side:**

Positive: **yellow** – black (GN)

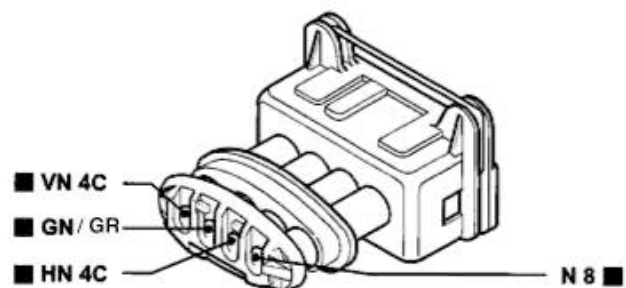
Negative/earth: **black** (N)

**1** Front left lights cluster

**Right side:**

Positive: **yellow** – **red** (GR)

Negative/earth: **black**



**WARNING:**

**Some differences on the above connectors may exist, it is better to check if the wires are correct BEFORE you start cutting them.**

The above stated wires are positive (+) and negative (-). One wire you have will be the (+) positive and the other one will be used as a (-) negative/earth for the connection. You can pick the color you want for the positive and negative on your cable. (I used the blue as the (-) and brown as (+))

The negative (-) wire you can connect where you like on the car chassis, or on the wire stated above. But if you are not using the “stealers“ like me, be sure that you leave the earth/negative wire connected to the big connector of the headlight also.

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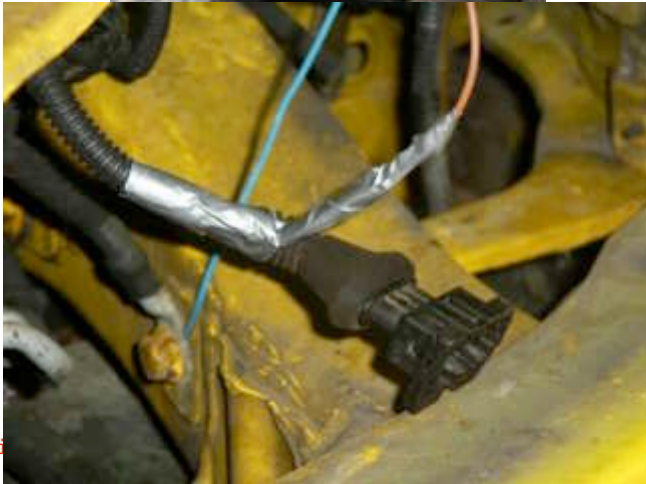
property of  BOO-flat bravo/a owners organization and SvenJTD



To do the connection:

You can cut the wires and then insulate them with electrical tape or you can use “stealers“ like me. To connect your wire to the existing ones.

The stealers are on the pic.



The first 4 pics is how I did it using stealers. And then insulated them.

The second one is how it may/can look using duck/electrical tape and connecting the earth on the chassis of the car (blue wire).

After you have connected the wires, connect all of the connectors on the headlight, but don't put the headlight in yet.  
This way you can make sure all is connected like its supposed to be.

If all works, put the headlight in, adjust it and your done. ☺

