

#### Parts needed

2x Aharon Mini D25 projectors 2x Aharon H7 high beam splitter cables 2x E46-r shrouds 2x Bi-xenon stickers (optional) 1x Drill template

### Tools needed

Drill bit 3 / 3,5 mm Torx 20 screwdriver / bit Hex / Alan 6 bit Coffee and a bit of patience

#### Instructions

### STEP 1 Remove the original projector

After removing the headlights from the car, unclip the rubber lip, front headlight lens and insert. Remove the D25 bulb and disconnect the Bi-xenon solenoid wiring. Disconnect the H7 high beam wiring.



Turn the height adjustment to the lowest position.





Unclip the top hinge. Remove the frame from the housing. Rotate it further downwards and slide it over the ball hinge Remove the projector bowl by removing all the Torx screws. Unclip and remove the shroud and lens frame. Also remove the rubber rings inside the mounting holes.





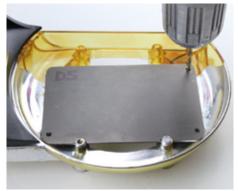




### STEP2 Mounting the new projector

Place the drill template/bracket on the plastic frame. The template must be centered, and placed directly against the two silver rounds on the bottom side. Drill 3 or 3,5 mm holes.







Mount the projector using the 3 rubber rings, and Torx screws. The rings need to be placed between the projector and the plastic frame.

Make sure the solenoid (magnetic coil) is facing to the bottom of the plastic frame.

Plug-in the solenoid cables into the female connector at the front of the projector. Make sure the solenoid cable is guided to the back of the reflector.

Place the frame back in the housing, following the opposite steps of the removal procedure.





[optionally] There is also - a specially designed - Bi-Xenon sticker supplied. If you want you can mount this sticker by removing the white backing paper. Align the letters around the inner opening of the new E46 shroud.





Remove the clips from the inside of the shroud.

Fixate the shroud using glue or epoxy. Before mounting, make sure the solenoid wires are plugged in.







## STEPS Mounting the D25 bulb - ECE projector

Mount the bulb holder parts onto the D2S xenon bulb, like shown in the pictures. Insert the bulb into the shaft of the projector (with the bulb tube facing down) and twist the bulb clockwise until the little pins on the bulb align horizontally.







# STEP3 Mounting the D25 bulb - DOT projector

Mount the bulb holder onto the back of the projector using the 4 supplied screws. Make sure the pivot point is facing the bottom of the projector. Insert the bulb into the shaft of the projector (with the bulb tube facing down).

Tighten the clip and check if the lamp is securely in place.







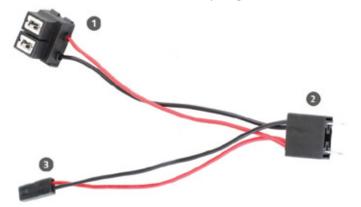


## Connect the solenoid cable

Connect the solenoid wiring. The solenoid is activated with 12 Volts on the brown and white wires. How you should connect it depends on your location.

### 1. EUROPE: A H7 SPLITTER IS SUPPLIED.

Simply connect the H7 splitter between the headlights H7 high beam plug and the H7 halogen bulb. The other small connectors plugs on to the solenoid wire.



1. connect to H7 halogen high beam bulb

2.connect to H7 high beam feed from headlight

3.connect to solenoid cable of the projector.

**2. US AND CANADA:** Connect the brown and white solenoid wires to the solenoid wiring in your headlight that was also connected to the ZKW projector.

Use the supplied crimp connectors, or solder the wires. The solenoid has no polarity, so there's no specific color coding.



# STEPS Done :)





### More info?



For more info about retrofitting and wire connections please scan the QR-code or visit https://www.retrofitlab.com/diy