



I.L. MOTORSPORT

# Installation Instruction

## MX-5 NA LED Headlights

NA0-301323

02.2020

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### Preparing to install your new LED lights:

Open the headlights using the alternate opening switch in the middle console of your MX 5 or Miata. Remove the positive pole of your battery in the trunk to avoid shorts. Open the bonnet and remove the plastic shroud covers of your headlights by removing the eight (8) screws on the sides. (pic1) Take care not to loose any of the four(4) left and right screws and washers into the engine compartments when removing as it may be hard to find them back. The same applies for the 4 rivet nuts in the opening mechanism where the screws are attached, they also like to disappear in the depth of the fenders



pic 1



pic 2

### Removal of the old lamp assemblies:

**CAUTION:** Do not touch or even loosen the 3 direct visible screws of the beam adjustment from the front !!! Instead gently push the lamp against the spring resistance and slightly turn the assembly counterclockwise off the cabinet latch, take the assemble out and then remove the electrical socket in the back. Now remove the lamp retaining ring with the 3 screws visible from behind.

### Installation of the new LED lights:

If you intend to use the white outer lighting ring as a parking or day driving light, you need to remove the 2 turn signal light housings which also house the parking light at this stage by removing their two (2) each screws and gently push them forward out of the bumper. Now you need to connect the light blue wire of your LED lamp assembly with the red wire of the white parking light just removed. This is done by cutting the red wire behind the socket and inline-connecting the red with the light blue using standard car wire clamps. Don't forget to use insulation tape to protect your newly connected cable against creating a short with the car chassis. Also observe the light blue wire routing at this stage to protect it from getting caught by the open and close mechanism of your MX 5 lamp assembly by securing it safely at the lower chassis as the existing wires are.

### Important:

The existing rubber covers, wiping the lamps glas on open and closing, attached to the chassis in front of the headlights, should be removed at this stage or cut out by using the provided template in order to prevent the new LED light assemblies from getting scratches while open and closing.

After checking the still removed lights with the light switch for parking and high and low beam you can reinstall the turn signal light assemblies while taking particular care not to squeeze or bend the light blue cable.

After connecting and reinstalling the new LED lights with the provided new screws and clamps pay particular attention to the socket extension when inserting the lamp and frame back into the housing. The socket must stay clear from the up and down stop not to be caught in between the lamp cover and the stop. Use tie wraps to secure the wire to stay clear.

Align the new light in its frame with the three screws and push it gently against the spring load while turing it about 5 mm clockwise to secure it in the housing. Done !

### Check:

Reconnect the plus pole of the main battery in the trunk. Test the open and closing of the lamps at this time and reinstall the plastic covers afterwards if all moves satisfactory without interfering parts. Listen to strange nosies and watch the cables to stay clear of the open and close mechanism.

Enjoy the great view at night and the improved safety with your new LED lights on your MX 5 or Miata.



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## Template

