

# MKI Replacement window gear Installation Instructions

**Note: While this is a relatively simple task, it does involve some mechanical ability and patience. Diligence is required when working inside the sheet metal of the door as it has sharp edges and care should be taken to avoid serious injury when working around them.**

These instructions were written using a 1986 MR2 for reference purposes. 1987-89 models may differ slightly and we apologize for any inconvenience this may cause.

## **Tools required:**

Thin straight blade screwdriver  
Phillips head screwdriver  
10mm socket or open end wrench  
Torx wrench (T25)  
Hammer

## **Procedure:**

1. Remove door panel.
  - a. 1987-89 models, pry up on the front of the power window switch assembly with a taped screwdriver and unplug switch.
  - b. Remove single phillips head screw from door handle surround. (fig 1)
  - c. Pull door handle out about half way and remove the surround by pulling the front towards you, then slipping the surround over the handle. (fig 2)
  - d. Use the thin straight blade screwdriver to remove the plastic caps covering door panel mount screws. On the early cars, there are three of these. Place the screwdriver under the plug and pry outward. (fig. 3)
  - e. Remove the screws located under the plastic caps you just removed. (fig. 4)
  - f. Gently pull the lower part of the door panel away from the door. It is held in place with a series of snap-in plastic pegs that will pop as they come free. Work your hand around the lower three sides of the door panel until it is hanging from the window opening. (fig. 5)
  - g. Pull the door panel up and away from the door. (fig. 6) If you have a 1985 or 1986 model, you will need to unplug the master window switch assembly at this time.
2. If replacing the gear on the driver's door, remove the door control relay. This box is held in place by two phillips head/10mm screws. (fig. 7)
3. Directly to the side of the opening that was covered by the control relay are 3 gold 10mm bolt heads. These hold the window regulator in place. Remove them. (figures 8 and 9)
4. The window motor is held in place by three screws. These screws have both a straight blade screwdriver slot and Torx head on them. We have found that the Torx

fitting allows more torque to be applied and recommend using a Torx wrench to remove them. You will have to move the regulator around behind the door to gain access to these three screws through various holes in the door. (figures 10 and 11) Be careful not to lose these screws inside the door.

5. Once the three screws are removed, the window motor should drop off of the regulator. Remove the motor through the opening in the door, unplug it and get ready to change gears.
6. The stock gear may be stuck to the motor, if it is, pry it free with a straight blade screwdriver from behind. Once the gear is off (fig. 13), place 3 pennies on the motor around the drive gear (fig 14).
7. Place the new gear on the motor (fig. 15) and gently tap it down onto the shaft with a hammer (fig 16). Some material will be shaved off of the inside of the gear when you do this, and this ensures a tight press fit.
8. Coat the gear teeth liberally with general purpose grease and re-install the motor in the regulator housing. The gear may need to be rotated slightly before the screw holes will line up.
9. Installation is the reverse of disassembly.

If there are any problems or questions, please feel free to contact us.  
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Figure 1



Figure 2

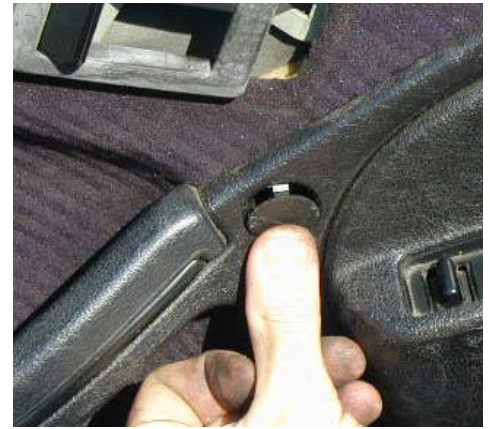


Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8



Figure 9



Figure 10



Figure 11



Figure 12



Figure 13



Figure 14



Figure 15



Figure 16

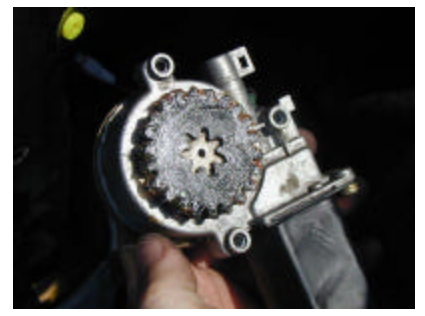


Figure 17