

# Installation Instructions For The Derwankel RX-8 Rear Rotary Lamp

Installation of the Rear Rotary Lamp should take approximately 45 minutes to complete following these simple instructions. Allow yourself plenty of time. There is no need to rush and potentially make mistakes that could lead to additional work or worse, damage to your new lamp. Please read through these instructions entirely before beginning the installation so you are familiar with the installation steps.

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We strongly recommend you place a towel on the floor immediately under the area on the rear bumper where you will install this lamp. If you accidentally drop an item, it is less likely to be damaged if it falls on the towel.

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List of packing materials that shipped with your Rear Rotary Lamp order. If any item is missing, please contact us immediately for replacement.

No.	Description	Quantity
1	Rear Rotary Lamp housing and lens	1
2	Wiring assembly including lamp socket and lamp	1
3	Wire taps	2

Tools you will need to complete the installation:

1. Drill with large bit
2. Dremel with small sanding drum (or a large round file)
3. 10mm socket wrench
4. A large clean towel
5. A small clean shop rag

NOTE: Prepare an area where you can place various panels and parts to be removed from the trunk. This makes it easier to keep track of the parts the whole process much easier.

1. Locate the recessed rotary shaped area in the lower rear bumper fascia where the Rear Rotary Lamp will be mounted.



2. Drill a large (3/8") hole in the center of the recess so that the drum sander or file can be used to enlarge the hole to accept the lamp housing.



3. Use a small drum sander on a tool like a Dremel to enlarge the opening for the housing. A Dremel makes quick work of this, but a round file with an aggressive pattern will work as well. A template of this hole is provided, but you may need to adjust slightly for your particular assembly.



4. Check for fit of the lamp housing in the recess and hole you have cut. If more material needs to be removed, take your time ... you're almost there.



5. The lamp housing should slip easily into the recess once the hole is large enough. Do not force the lamp housing into the recess, as you may damage the housing. It is a very simple form fit and requires no pressure to seat the housing.

Behind the lens and at the back of the bumper fascia, install the friction retaining ring over the lamp bulb housing with a twisting motion until it is flush with the back of the bumper. Optional super glue is included in the kit to permanently attach the retaining ring should you so choose. See the included addendum for details.



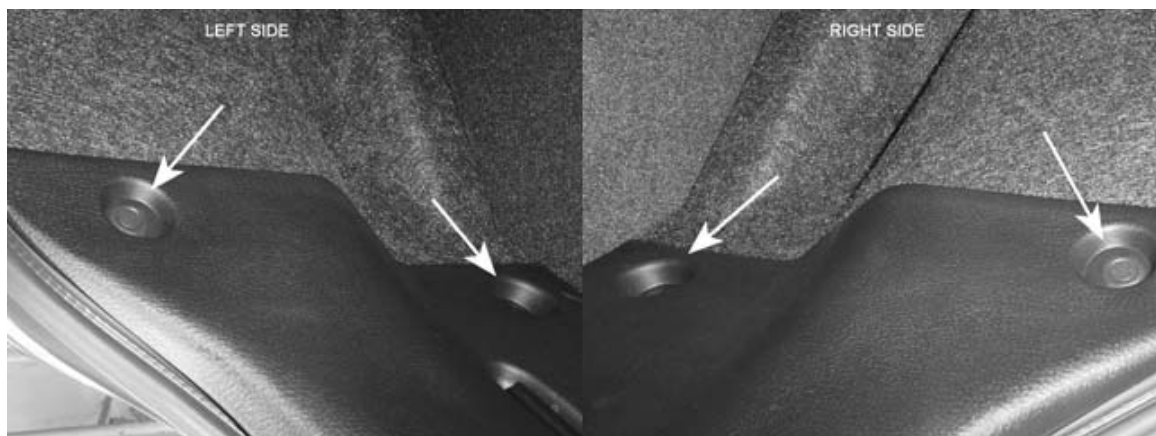
6. Next, if you are installing the unit on a car with the OEM rear accent, carefully install that rear accent around the rotary lamp housing per the OEM instructions. Be careful not to scratch the lens assembly. Use firm but gentle pressure to mount the rear accent. If not, go to step 7.



7. Once the lamp assembly is secure in the recess, it's time to run and attach the wiring. Open the trunk. You'll need to remove the black back inside trunk panel and the jack/tow hook locker at the back bottom of the trunk.



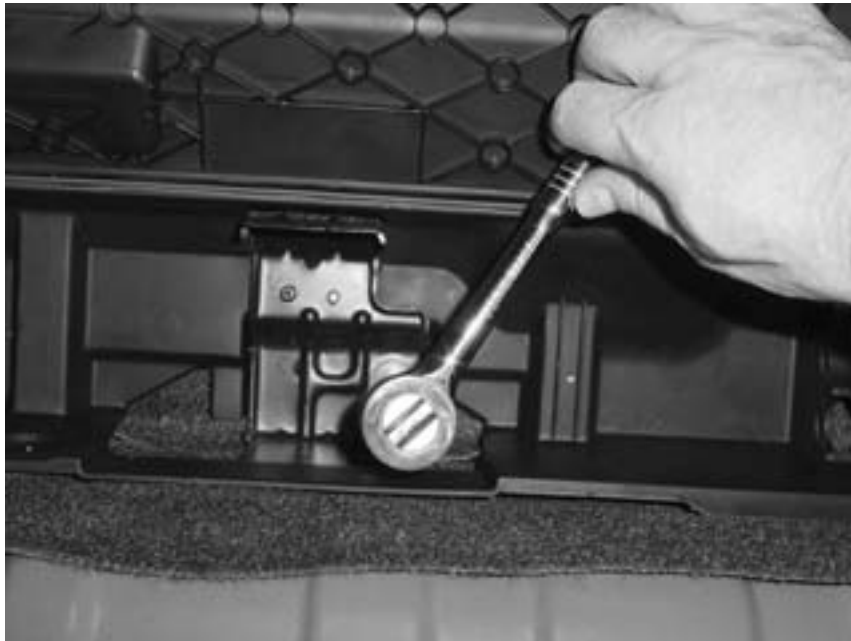
8. There are 4 retaining pins (2 per side) that hold the rear trunk panel in place. Remove those pins by popping the center of the pin out to release it, then you can remove the entire pin. Once the pins are out, the panel lifts up and out.



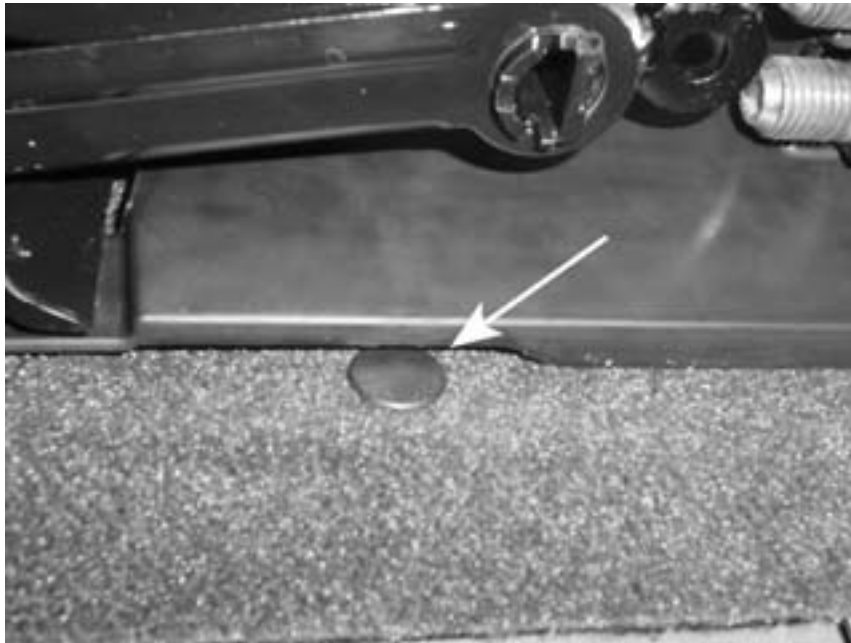
9. Once the rear panel is removed, open the jack locker and remove the jack, lug wrench and tow bars.



10. Underneath the jack is a 10mm bolt that needs to be removed. In the picture above you can see clips similar to those used to retain the rear trunk panel. These clips (one per side in the jack locker) also need to be removed. Once the bolt and clips are removed the jack locker can be removed.



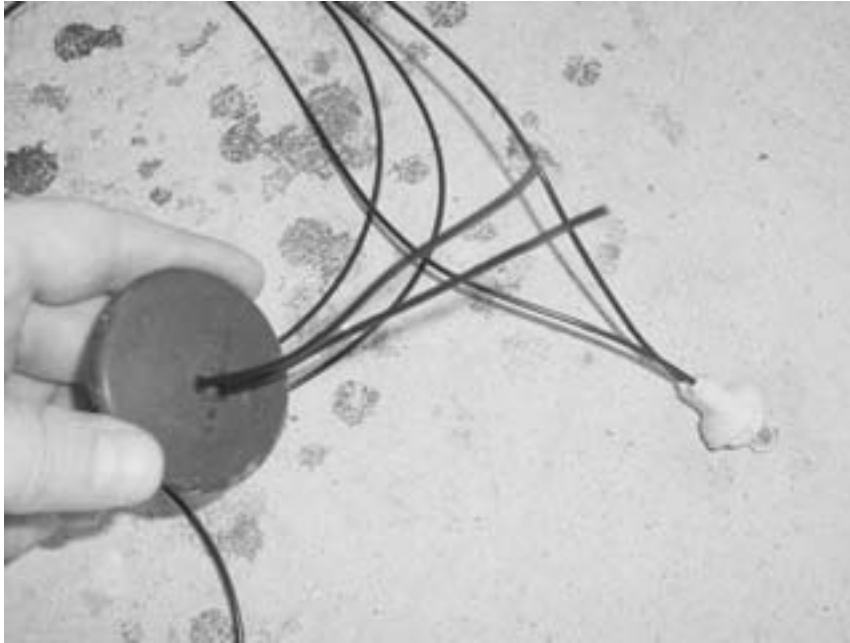
11. Once the jack locker is removed a final clip used to hold the trunk carpet to the rear wall needs to be removed. The clip is seen here in the middle between the jack locker and rear trunk wall.



12. Once the above clip is removed you can pull back the carpet to reveal a rubber plug that sits under the jack locker. Remove this plug to run the wires through to the trunk from the lamp assembly.



13. Poke two small holes in the rubber plug and insert the two wires from the lamp assembly through the bottom of the plug and out the top.

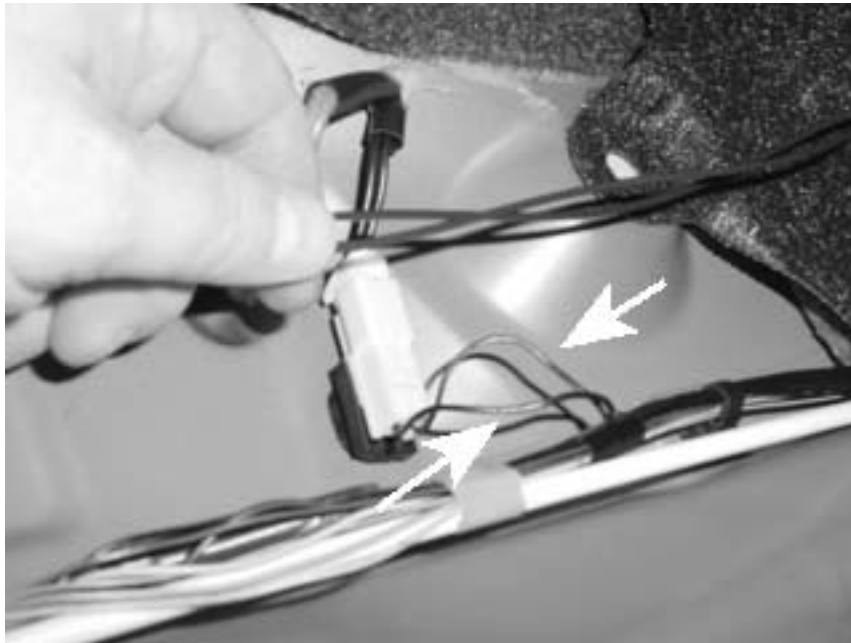


14. Re-install the plug and pull the bulk of the two wires up into the trunk. Leave enough wire to allow the lamp assembly to be plugged into the lamp housing.





15. Locate the connector where the wire leading to the license plate lamp is plugged in. There are two wires coming out of the top of that connector that will be used to supply power to the rear rotary lamp.



16. Using the two wire tap clips provided, tap into the two wires identified above. You'll probably want to trim any excess wire before making the tap. **CAUTION:** double-check to make sure there is enough wire under the bumper to allow the lamp assembly to plug into the lamp housing **BEFORE** making any final cuts.



17. OK ... you've got it wired now. Replace all of the panels and clips in the trunk and put it back the way you found it.



18. Only two things left to do now. You need to plug in the lamp assembly into the lamp housing. No need to press hard. It should go in fairly easily. Once the cross pattern is mated to the lamp housing, turn the plug just a  $1/8^{\text{th}}$  of a turn to lock in place. There is only a very small turn needed. Don't over do it, as you may potentially damage something.



19. The last thing to do is test it. Turn on your headlights and you should see your new Rear Rotary Lamp come to life.

