



LARGE LENS SWAP-OUT GUIDE

There is nothing like new lenses from Koromo Heritage to make the appearance of your classic Toyota really pop.

BEFORE YOU START – MUST READ

- Please note – These instructions are generic, to be used as a guide only, for the removal and replacement of larger lenses that are adhered in a frame/housing (ie not held in with screws).
- This is a guide for swapping out large lenses such as those found in SW20 MR2 and similar. Photos below show this procedure with SW20 rear indicator lenses but the steps are equally applicable to many other Toyota models and lenses sold by Koromo Heritage.
- Craft skill level required – Your purchase has been made as an automotive enthusiast and as such you either have trade or craft skills to perform this procedure.
- If you feel that for any reason you will not be able to get a satisfactory result, please contact a local automotive body work professional for assistance or even installation.
- Our reproduction lenses are a non-returnable item for any error made in installation or once they are marked in any way whatsoever.
- The following is a sequence of ten (10) pictures explaining the removal and replacement of lenses. The procedure is not presented in steps as it is a continual process which requires no stopping once commenced.
- Buyers of this product must understand the instructions, warning and conditions before commencing.

WARNINGS and CONDITIONS

1. Koromo Heritage accepts no responsibility if you damage the purchased lens or your existing taillight backing body ('unit') in using this procedure. Koromo Heritage accepts no liability whatsoever for any injuries or fatalities arising from this procedure.
2. This is a customisation product and Koromo Heritage does not warrant or guarantee regulatory compliance in any jurisdiction whatsoever.
3. Do not at any time use mild or excessive force for the removal of original lenses from the tail light backing body. This is a gradual process which requires softening of the existing adhesive.
4. Do not use a hot air gun for this procedure as it will damage the purchased lens or your existing unit to which you are installing the new lenses too.
5. Gas ovens must not be used due to the risk of fire or ignition or combustion due to the bare flames.
6. Ensure that your electric oven's thermostat is working and showing the correct temperature before commencing.



INSTALATION GUIDE

Your existing units are to be put in an electric fan oven pre heated to approximately 100-120 degrees Celsius for about 10 minutes.

Place the unit on an oven glove or similar. Prevent the unit from touching the sides of the oven or directly touching any metal within the oven.

After approximately 10 minutes, carefully remove the unit with a cloth or other hand protection such as oven mitts – it will be quite hot to the touch, but not too hot to handle.

Slowly start prying under the lower edge of the red lens. It may help if you cut off the little tab on the casing (see below tip of knife). You could also try using a plastic ruler instead of a knife. If the lens snaps, it's not hot enough to be removed.



After prying the lens up a little from the unit, then insert a couple of halves of wooden clothes pegs. Wooden pegs being softer reduce the risk of damage to the lens or unit casing than when using metal instruments such as screwdrivers or similar.





Gradually work the pegs between the existing red lens and the casing unit until they can be turned through 90 degrees. Work a 3rd peg around the edge of red lenses and over the amber lens. You may need to put the unit back in the oven at this stage to reheat it to keep the original mastic adhesive pliable; you may have to do this several times.

The most important thing to remember is not to use too much force – if the lens won't budge, the units aren't hot enough. You may need to put them in and out the oven several times to get it just right.



Before working in the peg (refer next picture), prise the tab on the amber lens free of the tail light backing body. It needs to lift a little to be able to free the lip of the amber over the red lens.





At this stage, you should be able to work the edge of the amber lens out of the recess next to where the amber (or red) triangle section sits.



You may need to put the unit back in the oven at this stage for a few minutes to be able to lift the amber enough to free it from the channel in which it sits as the channel is deeper than you think.

Here you can see just how far you need to lift both red and amber lenses to be able to separate them. You will need to keep them wedged apart like this in order to reinsert the new clear (or smoke) lens you have purchased.



After removing the amber lens, you should find that most of the original mastic adhesive should be left in the seating. If needed, any mastic adhesive on the rear edge of the lens can be warmed, pulled off, rolled into a thin sausage and pressed back into the casing. At this stage it is important to ensure you get a watertight seal on the new clear (or smoke) lens you are fitting. Using a flat blade screwdriver, carefully press the original mastic back into the recess whilst it's still warm. If the mastic is too hot it will stick to the screwdriver. You can help prevent this by dipping the screwdriver in water as you work the mastic.



With the casing nice and warm, you can use White Spirit and a clean cloth to wipe away mastic that's got on the edge of the casing, and also bend the edge of the backing in case it needs a slight re-profiling to regain its original shape after having the pegs wedged in it.

After having done this, place the unit back in the oven for just a couple of minutes to get the mastic fully soft again, then remove and insert your new clear (or smoke) lenses and press fully down into the correct position. At the same time, press the red lens back into place, ensuring the lip of your new clear (or smoke) lens is correctly seated over the red lens.

Immediately, clip the triangle into place, and whilst the mastic is still warm, you can slightly adjust the way the 3 parts sit together to ensure a perfect fit and alignment.

Once your new clear (or smoke) indicator lens is in place, do not subsequently put the unit back in the oven, as the clear lens will warp and distort.

