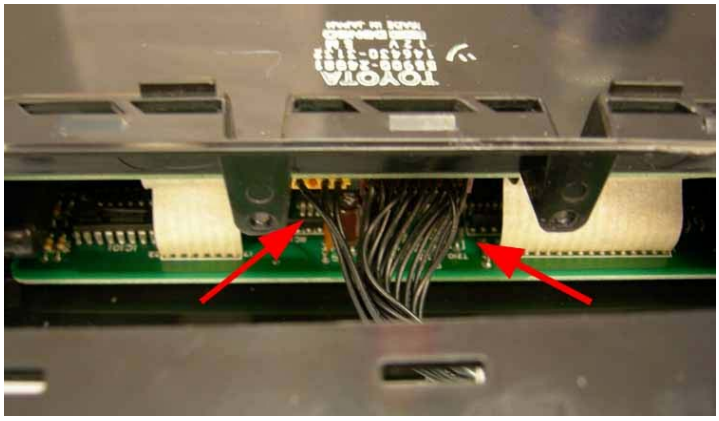
The following instructions are for replacement of Climate Control LCD module for Lexus SC300/SC400 1992 through 1996

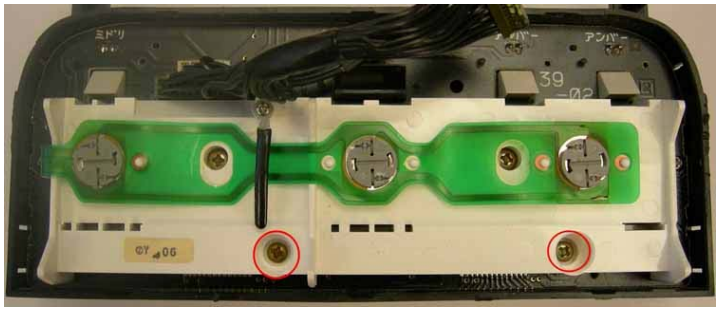
1. Tools require
   - Solder Iron
   - Solder sucker
   - Solder Wik
   - Solder
   - Phillips screwdriver
   - Flat head screwdriver
   - Tweezers
   - Cutter

2. Remove 2 screws and lift the latches tab to separate the main assembly and the display assembly.

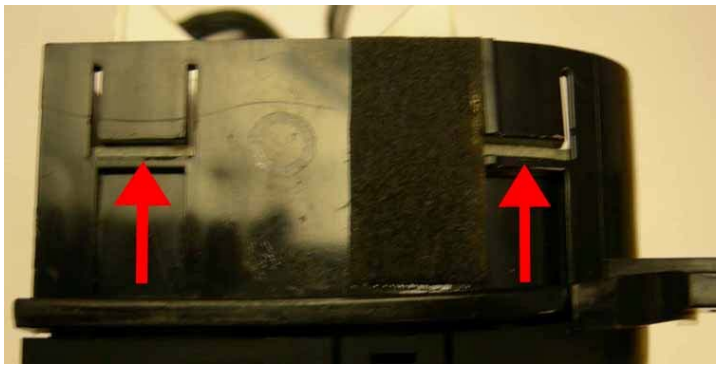
3. Disconnect the 2 cables harness from the main assembly board.



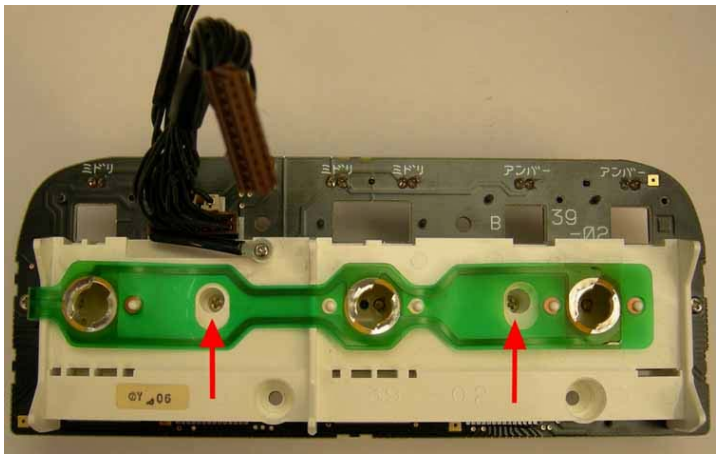
4. Remove 2 screws (circle in red) that secure the white plastic to the display assembly.



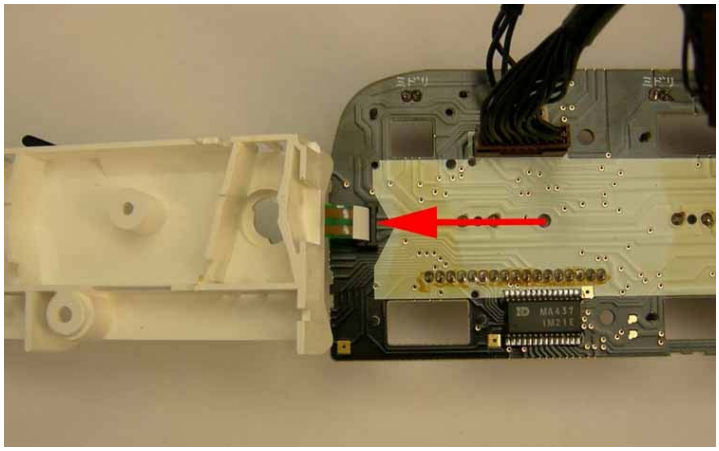
5. Using the flat head screwdriver to remove the PCB-LCD from the display assembly plastic. Push out 4 latches on both side of the plastic to pull out the board.



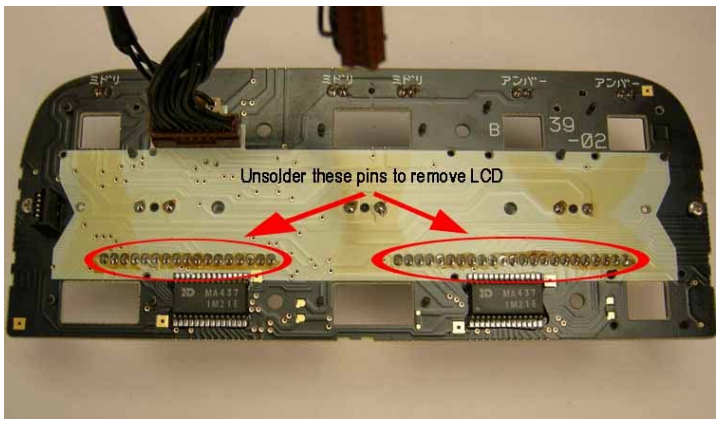
6. Unscrew the 2 screws that hold the white plastic that contain the green flex cable. The three button backlighting can be replaced at this time or at Step 13. (See Appendix C for instructions)



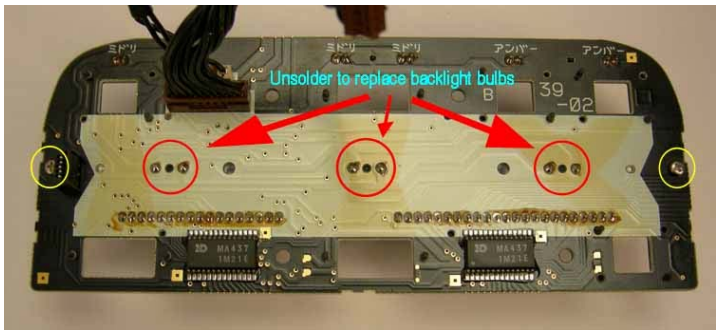
7. Turn the plastic vertically and firmly hold the end of the flex cable and disconnect it from the connector.



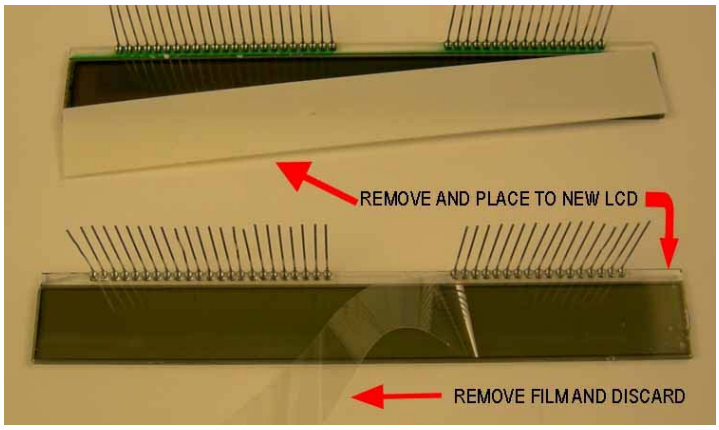
8. Using a solder sucker and remove as much as possible all solder from all pins of the defective LCD then using solder wik to remove the left over solder so that all pins are loose. Slowly remove the LCD from the plastic housing.



9. Unscrew the 2 silver screws (circle in yellow) to remove the LCD plastic housing. Unsolder the 3 backlight bulbs (circle in red) to remove and replace with new bulbs. Once done, place back the LCD housing and secure with 2 silver screws. (See Appendix A or Appendix B)



10. Remove the protective film at the back of new LCD. Remove the white thin backend from the old LCD and place to the back side of new LCD

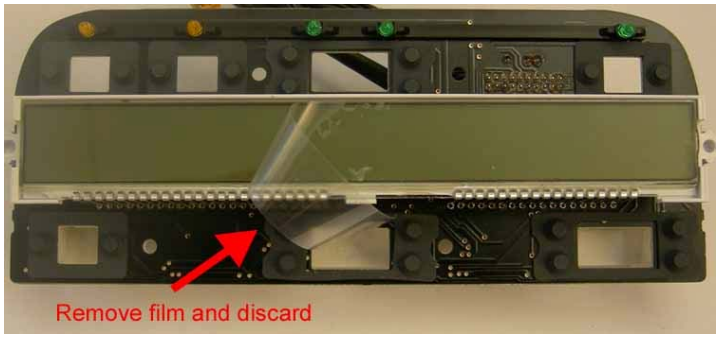


11. Insert the new LCD into the display PCB. Make sure it property sit inside the plastic housing and all LCD's leg go through its hole. Then solder the pins and make sure there are enough solder flow through to the top of the board.

12. Insert the end of the flex cable back into the PCB connector and lay the plastic piece back to its original place. Secure with the 2 screws.

13. Unscrew the 3 button backlight and replace with new bulbs. Once done install back the bulbs. (See Appendix C for instructions)

14. Remove and discard the front protective film of the LCD.



15. Put back the PCB-LCD assembly back into the front display plastic

16. Connect the 2 cables harness from the display assembly to the main assembly and snap back the main and display plastics together.

17. Screw back the 2 top screws

18. Install the unit back into car

APPENDIX A

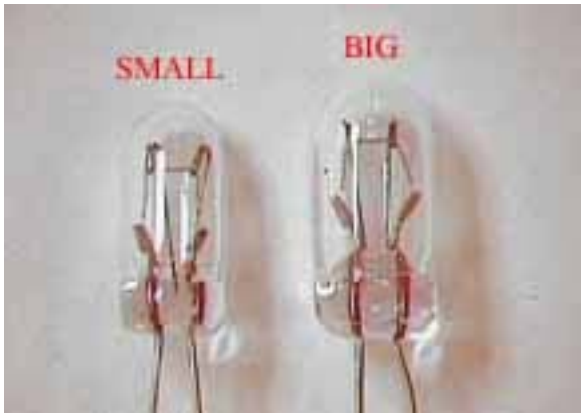
The following instructions illustrate how to replace Lexus SC LCD backlighting bulbs

1. Remove bulb from the PCB

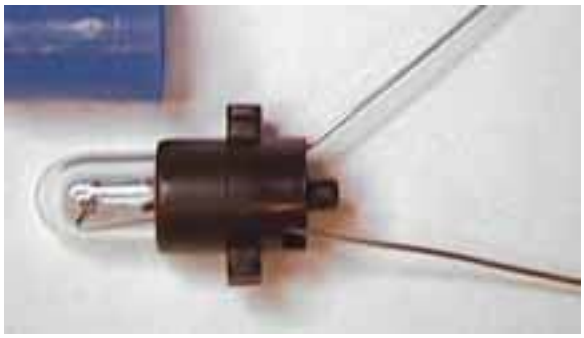
2. Remove color filter boot

3. Un-loop wire from both side

4. Remove old bulb from plastic holder



5. Select small size bulb for backlighting



6. Insert new bulb into plastic holder

7. Loop wire into center notch of plastic

8. A closer look at the wire loop

9. Loop wire to other side and insert back the color filter boot

11. Cut off wire at top of solder joint

10. Insert bulb into PCB and apply solder

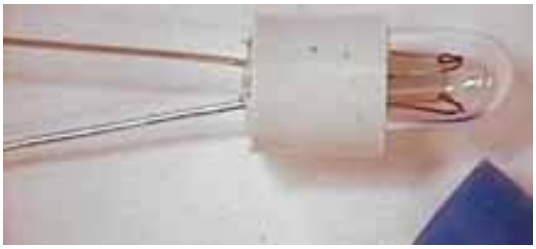
APPENDIX B

Here is another type of LCD backlight bulbs used by Lexus. Below are the brief instructions of how to replace those bulbs. These bulbs are the same type as in Appendix A

1. Remove light bulb from PCB.

2. Remove color filter boot from bulb

3. Remove bulb from plastic holder



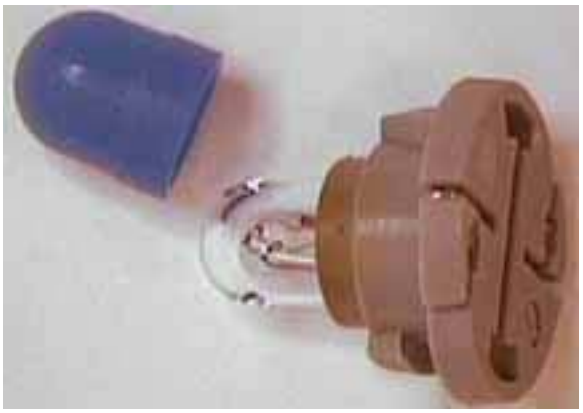
4. Insert new bulb into plastic holder

5. Insert back the color filter boot
6. The bulb is ready to solder back into board.

APPENDIX C

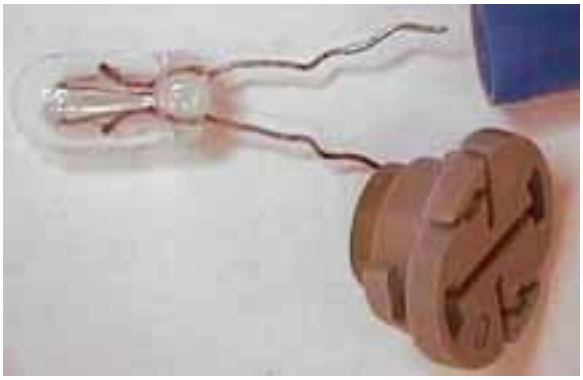
The following instructions illustrate how to replace Lexus SC button backlighting bulbs

1. Remove light bulb from unit

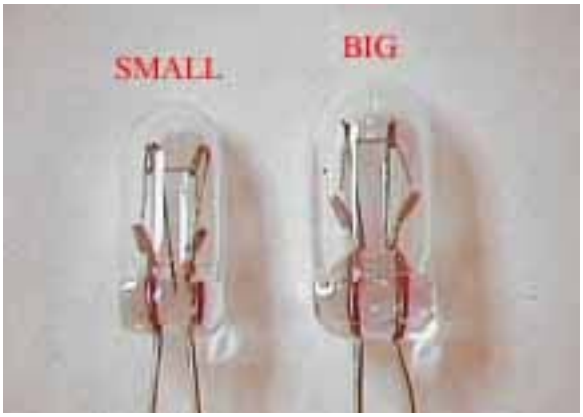


2. Remove color filter boot from bulb

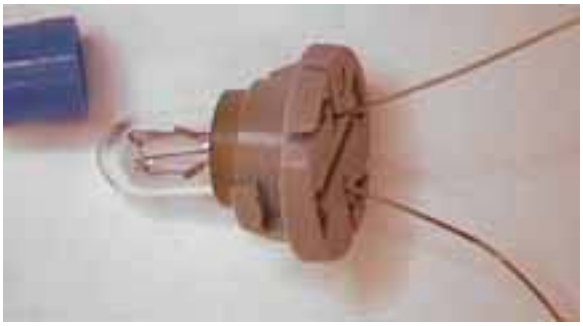
3. Using a tweezers to un-loop wire



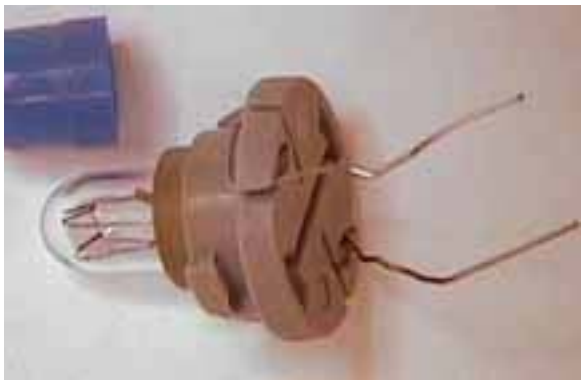
4. Separated bulb from plastic holder



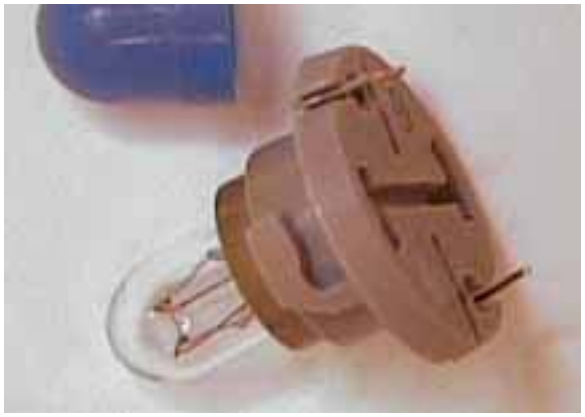
5. Select big bulb for this replacement



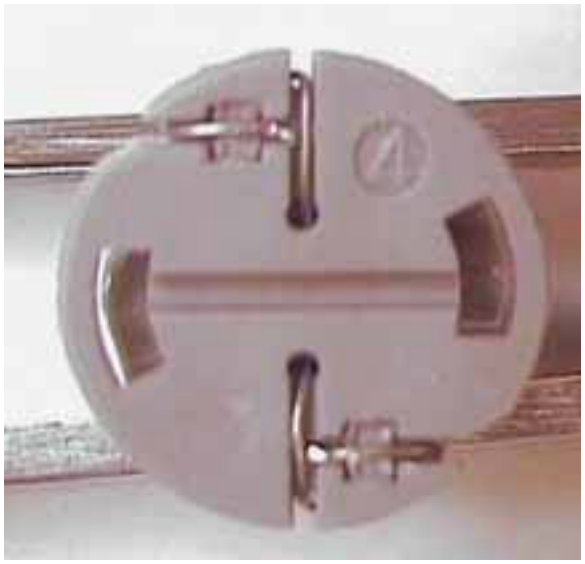
6. Insert new bulb into plastic holder



7. Loop wire onto the plastic holder



8. Cut wire but leave about 1/16 inch of wire from base and push wire into the base channel
9. Insert back the color filter boot onto bulb
10. The bulb is ready to put back into unit.



Bottom view

Top View