

Toyota Solara Convertible Defroster Replacement

A failed defroster in a Toyota Solara convertible can mean a very expensive replacement as the top and rear window must be replaced together. Clear View II defrosters can be installed to avoid replacement.

The Solara rear window measures approximately 14 inches in height and 36 1/2 inches in width. The defroster has twelve grid lines or elements. The Clear View II defroster that best fits this window is shown at right and while smaller than the original it fits the Solara.

This defroster has five grid lines and should be centered in the most exposed area on the Solara's oval rear window. The technical data for this defroster is shown at right.

There are several things to know before installing the defroster.

Stick Kit

Clear View II defrosters can be connected directly to the existing Solara defroster wiring and connectors. When replacing an existing defroster the connectors on the vehicle may not match up with the tabs on the replacement defroster.

Tab adaptor wire harness

This handy wire harness extends power and ground wires to match up with the Clear View defroster tabs. The kit's two wire adaptors include spade terminals which plug into the vehicle's defroster connectors and the tabs on the Clear View.



2745 Tab Adaptor Harness.
Handy when replacing defrosters with the Clear View defrosters.

Wires can be trimmed to size using the extra terminations supplied with the kit. Extra wire can be concealed along the edge of the window under the flashing.

If the original connector is secured behind window flashing, tape the connector and

spade with electrical tape.

Add a new ground wire

Clear View defrosters can be installed so the connector which supplies power to the defroster can be directly plugged to the Clear View defroster tab. A separate grounding wire can be run from the other tab to a known good ground on the vehicle. This eliminates the need to use the existing ground connector on the vehicle.

IT MAKES NO DIFFERENCE WHICH DEFROSTER TAB IS POWER AND WHICH IS GROUND

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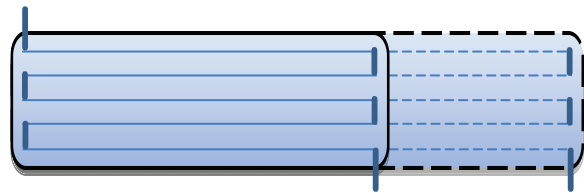
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Tech 105 - Solara Defroster Ver3



Clear View II Defroster 1205-2740-STK

- Maximum Height: 6.25 in (15.8 cm)
- Minimum Width: 27 in (69 cm)
- Maximum Width: 40 in (101 cm)
- Voltage: 12
- Amperage: 5.1 (short), 3.4 (long)
- Heating Elements: 5
- Modulation: 100%
- Tabs: Upper left/ Lower right
- Stick Kit: Includes the defroster only.
- Drawing:



The PipeKnife Company

13301 W. 43rd. Drive, #11 • Golden, CO 80403
 Tel: 303-682-0274 • Fax: 303-232-8789
 email: info@frostfighter.com
www.frostfighter.com • www.pipeknife.com

Technical Bulletin

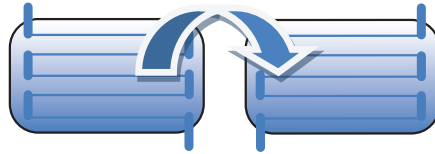
World leader in after market vehicle defroster solutions

Reuse existing connectors

It is of course possible to extend and/or reposition the vehicle's existing connectors by splicing. Defrosters draw considerable power so use wire 14 awg or larger when splicing.

Defrosters can be rotated

Clear View defrosters can be reversed (rotated) as needed for installation. All that is needed is power and ground for operation.



Elements and placement

While it is true the Clear View II defroster has fewer grid lines or elements than the Solara's defroster the heating performance is nearly identical.

Before placing the Clear View elements on the window there are a few things to do.

Glass preparation

Clean off the old defroster elements using a razor blade. The side main power bars (wide and vertical buss bars) do not need to be removed. The replacement defroster can be put over the existing defroster material and is fully insulated from the old defroster.



Clean with GAP

Clean the glass with a glass cleaner and then use the GAP-1 adhesion promoter to clean the glass. Be sure to wet the entire defroster area.

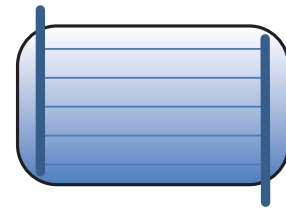
Still there?

Even when the defroster material is removed there will very likely be a faint line still on the window. This is caused by the defroster ink leeching into the glass when the defroster is cured at the factory. Not much can be done about these faint lines.

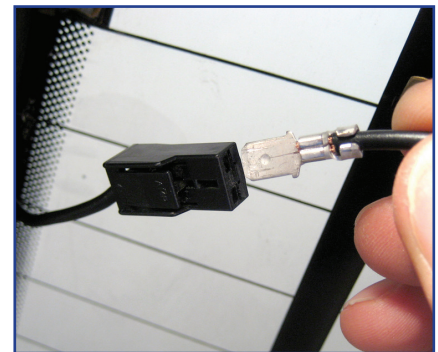
If an exact match with the old defroster elements is desired then each element should be cut out individually in long strips and hand placed.

CAUTION...

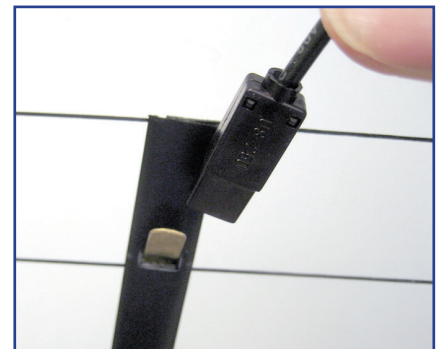
If the elements are hand spaced the layout of the elements on the Clear View side buss bars **MUST** be maintained as per the instructions. This may mean modifying the buss bar lengths to maintain this layout shown on page five of Attachment 2.



Power and Ground on left/right



Tab Adaptor connects to vehicle plug...



...then to Clear View defroster tab



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