

Operation

Compass

- Push in 'COMP' side of switch to turn compass on/off. Compass is enabled when a direction appears in the mirror display window.
- The compass must be calibrated upon initial installation and recalibrated if the mirror is ever removed from this vehicle.

Calibration

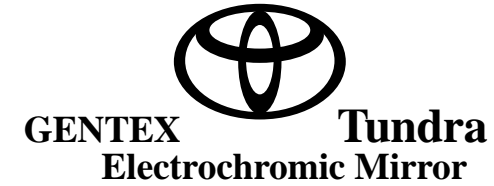
- With the mirror 'on', if a 'C' is not displayed in the compass window, push in the COMP side of switch and hold for 6 seconds until the letter 'C' is displayed.
- The compass can be calibrated by driving the vehicle in 360-degree circles at 5 mph or less until the display reads a direction or by driving the vehicle on your everyday routine. The compass will be calibrated once it has tracked at least a 360-degree circle.

This completes the compass calibration for the vehicle. Recalibration is not required for as long as the mirror is left in the same vehicle.

Temperature

- Push in 'TEMP' side of switch to view temperature reading in display window.
- Push in TEMP side of switch to toggle exterior temperature on/off. Temperature is enabled when a number/direction appears in the mirror display window.
- To alternate between °F or °C, hold TEMP side of switch for 3 seconds until display blinks °F or °C. Toggle TEMP side of switch and display will alternate between °F /°C . After 5 seconds of no switch activity display will return to normal temperature reading.

SOUTHEAST TOYOTA



Parts List

Item	Qty.	Description
1	1	Full Mirror Assembly
2	1	Wire Cover
3	1	Mirror wire harness
4	1	T-Tap, blue 3M
5	5	Cable Ties for mirror wire harness
6	1	Operation instruction card
7	1	Temperature probe wire harness with probe
8	10	Additional wire ties for probe wire harness
9	1	Windshield adapter bracket/button assembly
10	2	1/2" mounting screws
11	1	Replacement spring
12	1	Spring tensioning insert

1.0 Vehicle preparation

1. Inspect electrochromic mirror for damage or defects.
2. Verify with parts list.
3. Place parts on a clean, padded surface.
4. If the vehicle is equipped with an antitheft radio, the security code must be recorded prior to disconnecting the battery cable. The code should be reentered after reconnecting the negative battery terminal.
5. Disconnect battery negative terminal from battery and isolate cable.

2.0 Installation preparation

1. Remove driver's side A-pillar garnish
2. Remove lower dash panel.
3. Remove the driver's cover side trim/fuseblock cover.
4. Store all removed parts on a clean, padded surface.
5. Remove original equipment (OEM) rearview mirror. (Holding mirror around the base, turn mirror in either direction until it disengages from the windshield button. **(Figure 1)**)
6. Discard the OEM Mirror.
7. Remove the existing spring from the OEM windshield button. **(Figure 2)**.
8. Discard the OEM spring.

1999.5 Tundra: 00016-34991 Electrochromic Mirror Installation



Figure 1



Figure 2



Figure 3

3.0 Temperature Probe Installation

1. Install temperature probe on to lower left front bumper.
 - Attach probe behind bumper by sliding s-clip over steel frame.
 - Probe should be 90° from vehicle direction (tip of probe facing passenger side)
2. Route the probe wires from the front bumper area, up through the driver's side of the engine compartment to the main wire harness grommet as shown. (Figure 3).
3. Tie wrap wires in engine compartment on drivers side as shown. (Figures 4 & 5).



Figure 4



Figure 5

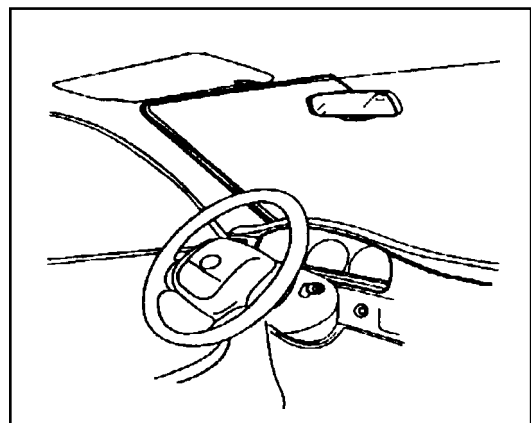


Figure 6

4.0 Interior Mirror Installation

1. Route the mirror wiring harness (Figure 6).
 - Wire harness must allow mirror to experience full range of movement (turn full left and full right) with tension relief.
 - Tuck the remaining wire harness between the headliner and the roof.
2. Mount the Gentex mirror assembly to the windshield.
 - Insert the Gentex spring from your components kit to replace the OEM spring.
 - Using your thumb, push the spring tensioning insert piece under the spring, until it snaps into place. (Figure 7).
 - Place adapter bracket/button assembly over windshield button – lining up holes.
 - Assemble 2-1/2" screws, supplied.
 - By hand, tighten center screw first, then bottom one. (Torque not to exceed 20 inch lbs.)
 - **Re-tighten** center screw, then re-tighten bottom one – repeat until both are tight.
 - Slide the electrochromic mirror onto the mounting button on the bracket.
 - Tighten the screw on the mirror mounting bracket until the mirror is snug on the bracket. **DO NOT OVER TIGHTEN.**
 - Route the mirror wire harness into the groove of the windshield wire cover.
 - Attach the windshield wire cover to the bracket assembly, by sliding the forked end into the headliner and snapping the clip end into the bracket. (Do not attach to mirror mounting bracket. Attach to windshield mounting bracket.)



Figure 7

3. Connect the wire harness to the mirror.
 - Plug the wire harness 7-pin connector into the back of the mirror (Figure 8).
 - Connect terminated wires into the 7-pin mirror connector block – pin locations #6 and #7. Pin designations are located on the rear face of the connector. The harness is not polarity conscious. (Figure 9)

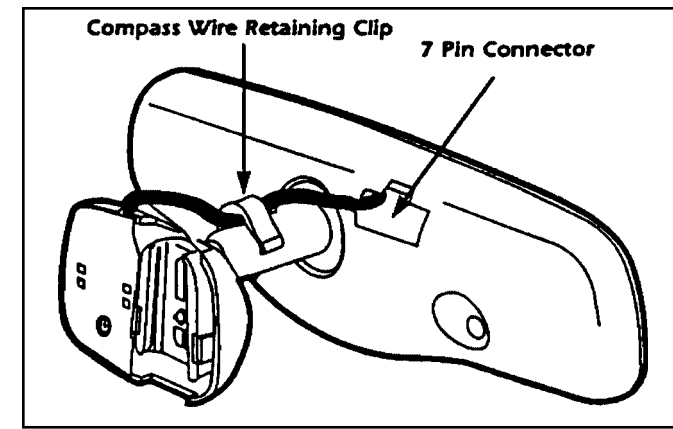


Figure 8

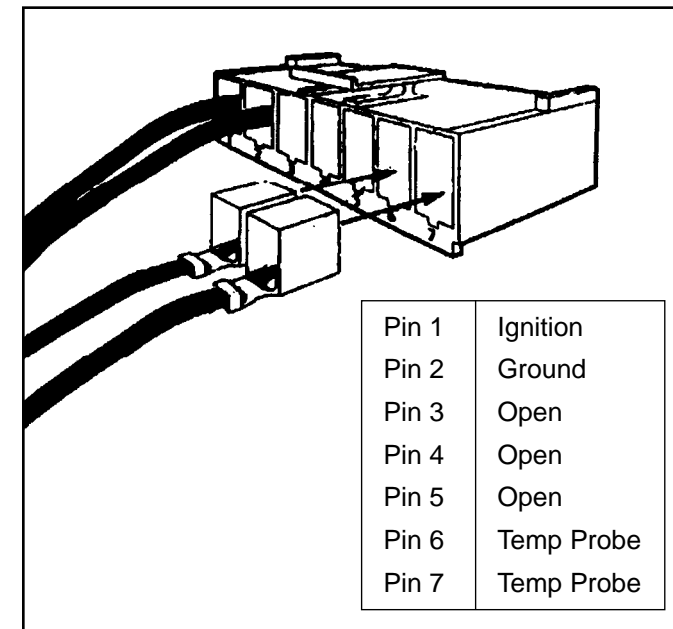


Figure 9

4. Wiring connection (ground)
 - Route the mirror ground wire (spade terminal/ribbed insulation) to the proper ground point. (Figure 10)
5. Wiring connection (12Vdc power)
 - Route the mirror 12 volt wire (spade terminal/smooth insulation) to the power auxiliary (for phone) wire.
 - Locate the light green wire with a black tracer and apply T-tap. (Pin #2 on connector IA4).
 - Connect mirror power wire to T-tap.
 - Secure the loose mirror wire harness with the cable ties.

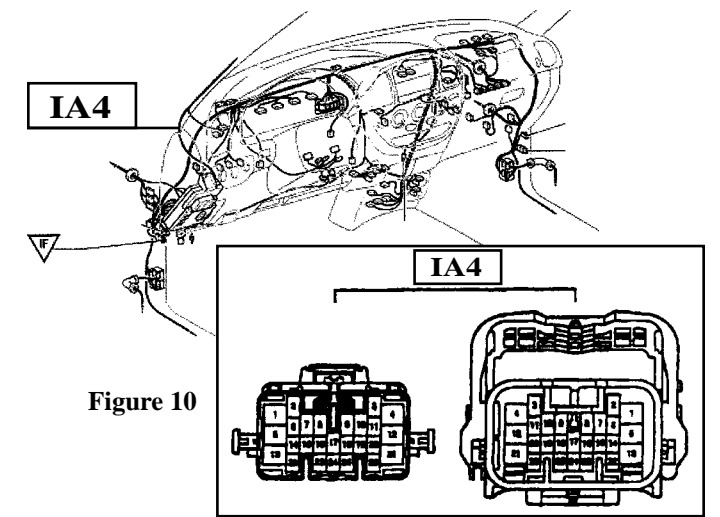


Figure 10

5.0 Testing

1. Re-connect the negative battery cable.
2. Turn the ignition switch to ON.
3. With the vehicle in a fairly well-lit area, perform the following:
 - Cover the forward-looking photocell located below the wire harness connection on the back side of the mirror (a dark cloth or towel will work). (Figure 11).
 - After a few seconds, the mirror will begin to darken. (the time may vary with ambient light levels).
 - Remove the cover from the forward photocell and the mirror will begin to clear.
 - The test is now complete.

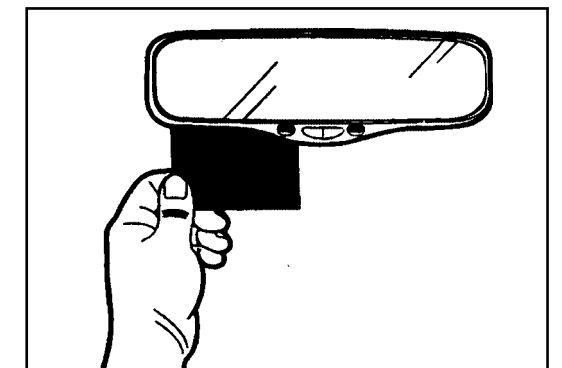


Figure 11

Final assembly

- Reinstall all removed components.
- Reinstall the driver's cover side trim/fuseblock cover
 - Reinstall lower dash panel.
 - Reinstall the driver's side A-pillar garnish.
 - Reenter the security code and customer programmed radio stations,
 - Place the operation instruction card in the vehicle glovebox in the vehicle owner's manual.