

TRD SHIFT LIGHT KIT

Part Number: 00602-83400-005

Section I – Installation Preparation

Kit Contents

Item#	Quantity	Description
1	1	Shift Light Computer
2	1	LED Display
3	1	Main Wire Harness
4	1	LED Display Wire
5	5	T-Tap
6	1	Male Crimp Terminal
7	1	Female Crimp Terminal
8	6	Wire Tie
9	2	3M Adhesion Promoter



General Applicability

Scion tC, Scion xA, Scion xB

Notes and Recommendations

- 1. Be sure to read all instructions first as the sequence of procedures is very important.
- 2. The instructions are vehicle specific. Make sure to follow the correct section for the correct vehicle.

CAUTION: The Shift Light LEDs are VERY bright. DO NOT look directly at them while driving, as you may be distracted. The intent is for the display to be in peripheral view to give engine speed feedback without looking at the tachometer. Note that the display may be tilted for desired intensity.



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Section II - Removal Procedure

- 1. Disconnect the negative cable from the battery.
- 2. Open the glove compartment and disconnect the damper from the right side (Figure 1).

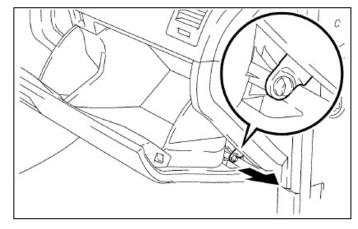


Figure 1

- 3. Press in on the upper sides of the glove compartment door assembly to release the two stoppers (Figure 2).
- 4. Pull the glove box up and out to disengage the hinges at the bottom (Figure 2).
- 5. Tilt the steering column to the lowest position. Leave the column loose during the installation.

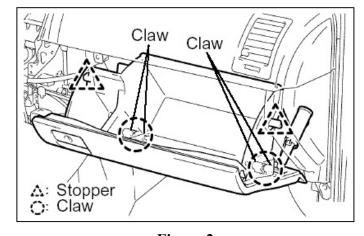


Figure 2

6. Remove the combination meter hood assembly by disengaging the 9 claws (Figure 3).

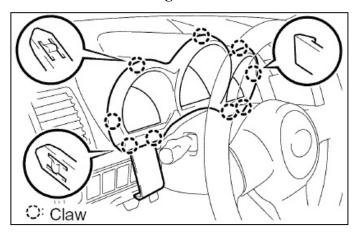


Figure 3

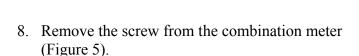


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7. Lightly pull up on the center pod and remove the hood assembly (Figure 4).

NOTE: Protect the steering column upper cover with masking tape to prevent damage.



- 9. Disconnect the 2 claws (Figure 5) and pull the combination meter from the instrument panel.
- 10. As the combination meter is removed, disconnect the electrical connector from the upper left corner. Set the meter aside.
- 11. Peel back the wire harness wrap about 3 inches from the electrical connector.

Section III - Installation Procedure

- 1. Attach T-taps to the wires terminating in the pins shown in Figure 6.
 - Pin 1: Brown wire (GND)
 - Pin 3: Violet wire (B+)
 - Pin 4: Light green wire (IGN PWR)
 - Pin 6: Red wire (TAIL LAMP)

NOTE: Connect the T-tap at least 2" away from the connector.

- 2. About 2" from the connector, cut the black tachometer wire that terminates in Pin 26 (Figure 7). Strip the insulation \(^1/4\)" to 3/8."
- 3. Attach the TRD-supplied female receptacle to the instrument panel connector end of the tachometer wire just cut.

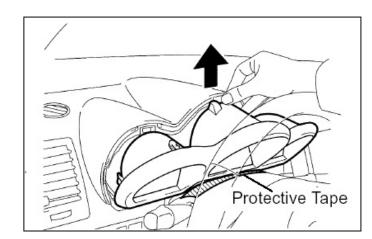


Figure 4

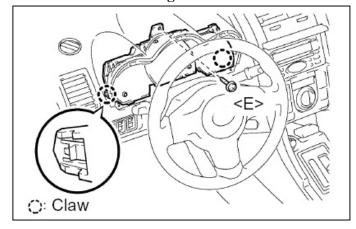


Figure 5

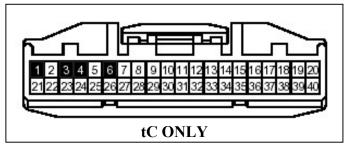


Figure 6

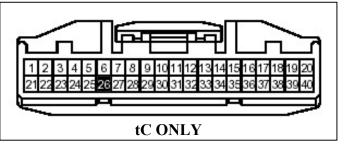


Figure 7



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- 4. Attach the TRD-supplied male receptacle to the vehicle wire harness end of the tachometer wire cut in Step 2 on Page 3.
- 5. Attach a T-tap to the black wire terminating in E7, Pin 29 of the ECM (Figure 8).

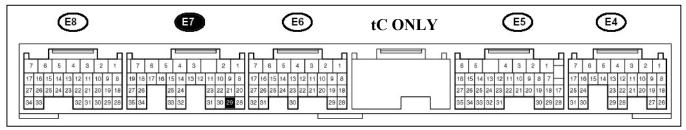


Figure 8

6. Route the main harness down the left side of the instrument panel (Figure 9) so it exits near the OBDII port (Figure 10).

NOTE: Be sure to route the harness away from the tilt mechanism or any other sharp metal surfaces.

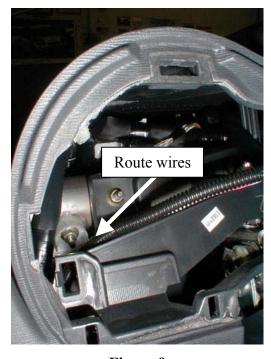


Figure 9

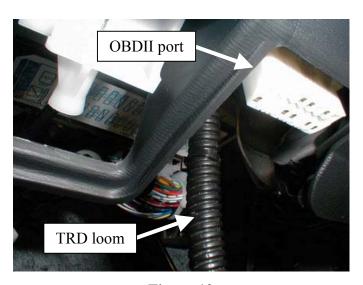


Figure 10



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7. Route the yellow wire behind the instrument panel to the ECM (Engine Control Module, Figure 11). Use the TRD-supplied wire ties as necessary.

NOTE: A heavy wire may be needed to feed the yellow wire behind the instrument panel.

NOTE: Be sure to route the wire away from the steering wheel tilt mechanism or any other sharp metal surfaces.

8. Follow Table 1 and plug the corresponding wires from the TRD harness into the T-taps added to the vehicle harness.

NOTE: Be sure the spade terminals engage in the center of the slots on the T-taps and female terminal connectors.

Table 1 (tC ONLY)

Rev: A © TRD 9/17/04

TDD W	Vehicle	00-1	NI - 4 -
TRD Wire	Terminal	Car Color	Note
Red	C6-6	Red	Tail Lamp Pwr
Green	C6-26	Black	To Meter
Brown	C6-1	Brown	Ground
Light Blue	Unused	N/A	
Blue	Unused	N/A	
Black	C6-26	Black	From Harness
Gray	Unused	N/A	
Violet	C6-3	Violet	B+
Orange	Unused	N/A	
White	Unused	N/A	
Yellow	ECM E7-29	Black	O2 Sensor
Pink	Unused	N/A	
Light Green	C6-4	Light Green	IGN PWR

NOTE: For proper tachometer function, attach the black TRD wire to the vehicle wire harness side of the cut wire. Attach the green TRD wire to the meter side of the cut wire.

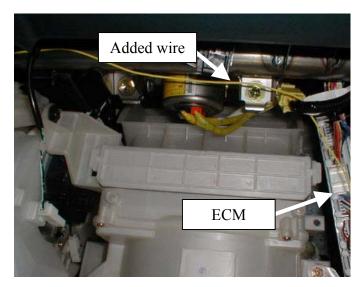


Figure 11



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9. Plug the factory connector into the combination meter.

NOTE: Place a towel or other protective item on the dashboard so the combination meter does not scratch it.

Section IV – Operational Check Procedure

- 1. Select 2000 RPM on the shift light computer (Figure 12). Set the left switch to "2" for the thousands digit and the right switch to "0" for the hundreds digit.
- 2. Set the Mode switch to "2" (Figure 12).
- 3. Plug the TRD wire harness into the shift light computer.
- 4. Plug the black TRD cable into the LED display housing and the shift light computer.
- 5. Temporarily attach the negative battery cable to the battery.
- 6. Start the vehicle. The LEDs should light up from left to right at the low brightness level, and then go off.
- 7. Rev the engine slowly to 2000 RPM. As the engine speed approaches 2000 RPM, the LEDs should light up. At 2000 RPM, they should blink.
- 8. Tap the Function button on the shift light computer to change to lambda mode. One LED should be lit. If the vehicle is cold, the left LED will be lit. If it is at operating temperature, most likely a middle LED will be lit. When the vehicle is being accelerated, the right LED will be lit.
- 9. Verify that the combination meter functions properly.
- If any of the above tests failed, check all of the connections and refer to the FAQs in Section XV on Page 30.

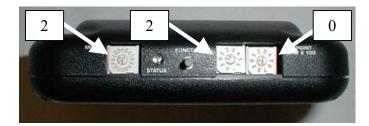


Figure 12



TRD SHIFT LIGHT KIT

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- 11. Turn the vehicle off.
- 12. Disconnect the negative battery cable from the battery.
- 13. Unplug both connectors from the shift light computer.
- 14. Unplug the black cable from the LED display.

Section V – Installation Procedure

1. Replace the combination meter into the instrument panel (Figure 13). Replace the screw removed in Step 8 on Page 3.

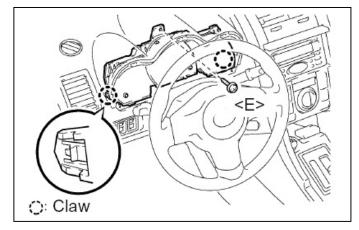


Figure 13

2. Replace the combination meter hood assembly removed in Step 7 on Page 3 (Figure 14).

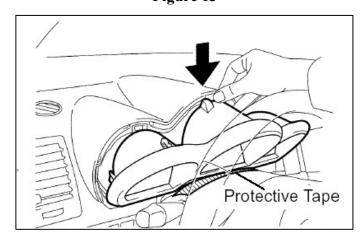


Figure14



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3. Peel the backing off of the adhesive and place the LED display in a visible location, such as the top of the steering column (Figure 15).

NOTE: The LED display may be mounted anywhere in the vehicle where the display will be visible. Bend the LED display mounting bracket to match the contour of the mounting surface (if necessary). Be sure not to place it where an airbag may deploy.

NOTE: Do not look directly into the LEDs, as they are very bright. The shift light is intended for peripheral viewing. The display may be tilted for reduced direct intensity.

4. Route the LED display wire between the steering column and instrument panel, then plug it into the LED display (Figure 16).

NOTE: Be sure the routing does not interfere with the tilt function of the steering column and that the wire does not get pinched.

- 5. Tighten the steering column height adjuster.
- 6. Remove the fuse box cover to the left of the steering column.
- 7. Pull the wire harness and shift light wire from behind the instrument panel to exit the fuse panel opening.
- 8. Bundle the excess wire with a wire tie.
- 9. Route the wire connectors through the handle of the fuse panel cover and replace the cover.
- 10. Apply the 3M Adhesion Promoter to the panel. Wait a minute or so to allow the substance to tack. Do not apply it to a visible area as it may dry with a hazy finish.

NOTE: Use a glove, as the adhesion promoter will leave a tacky residue.



Figure 15



Figure 16



TRD SHIFT LIGHT KIT

tC (Pages 2-10)

11. Peel the tape backing from the shift light computer and attach it to the fuse panel cover (Figure 17).

NOTE: Be sure the shift light computer does not block any portion of the knee air bag or the hood release handle.

NOTE: The shift light computer can be mounted anywhere in the vehicle where the controls will be accessible.

- 12. Remove the fuse panel cover with the ECU attached. Press the adhesive strips firmly into the texture of the cover for proper adhesion. Let the part sit with the computer on top of the cover for a few minutes before replacing it in the vehicle.
- 13. Plug the 2 wire connectors into the shift light computer (Figure 18).



Figure 17



Figure 18

- 14. Press the glove compartment hinges into place (Figure 19).
- 15. Press in on the upper sides of the glove compartment door assembly to replace the two stoppers (Figure 19).

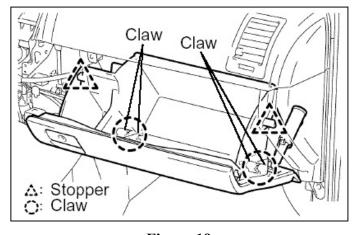


Figure 19



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- 16. Replace the stopper mechanism (Figure 20).
- 17. Replace the negative battery terminal.
- 18. Reset the auto up/down window function.
 - Turn the ignition switch on.
 - Open the window half way (must be performed at each door, the master switch on driver's door will not operate passenger side window).
 - Close the window and hold the switch up for at least 1 second after the window is in the closed position.
 - Verify that the auto up and down feature functions properly on both windows.
- 19. Reset the sliding roof function.
 - Turn the ignition switch on.
 - Open the roof half way.

- Press the close switch and continue to press it for 2 seconds after the roof is fully closed. When the initialization is finished, the roof will automatically open and stop a few millimeters from the fully open position.
- Verify that the auto feature functions properly.
- 20. Go to Section XIV on Page 29 for use instructions and Section XV on Page 30 for FAQs.

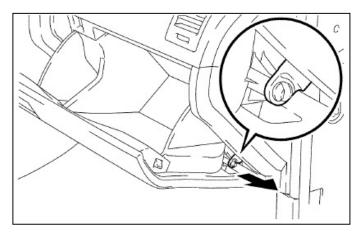


Figure 20



TRD SHIFT LIGHT KIT

xA (Pages 11-19)

Section VI - Removal Procedure

- 1. Disconnect the negative cable from the battery.
- 2. Press in on the upper sides of the glove compartment door assembly to release the two stoppers (Figure 21).
- 3. Pull the glove compartment door assembly rearward to remove it (Figure 21).

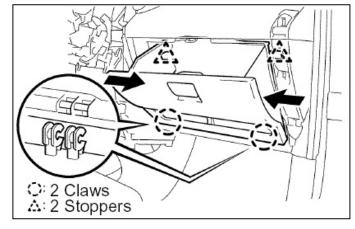


Figure 21

- 4. Remove the ECM cover (below the glove compartment opening, Figure 22).
- 5. Tilt the steering column to the lowest position. Leave the column loose during the installation.



Figure 22



TRD SHIFT LIGHT KIT

xA (Pages 11-19)

- 6. Remove the 2 clips from the top of the instrument cluster finish panel (Figure 23).
- 7. Disengage the 6 claws and remove the instrument cluster finish panel (Figure 23).

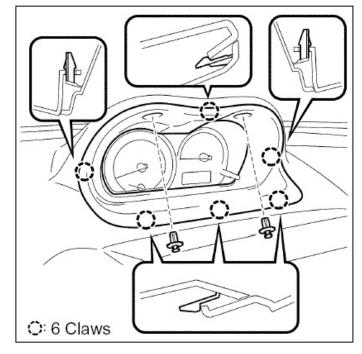


Figure 23

- 8. Remove the 3 screws from the combination meter assembly (Figure 24).
- 9. Pull the combination meter from the instrument panel. As the combination meter is removed, disconnect the electrical connectors. Set the meter aside.
- 10. Peel back the wire harness wrap about 3 inches from the small (12-pin) electrical connector.

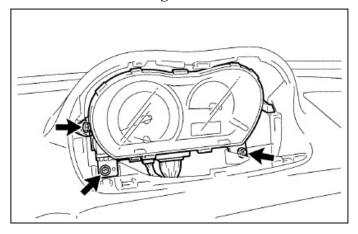


Figure 24



TRD SHIFT LIGHT KIT

xA (Pages 11-19)

Section VII – Installation Procedure

- 1. Attach T-taps to the wires terminating in the pins shown in Figure 25.
 - Pin 1: Red wire with black stripe (IGP)
 - Pin 3: White wire with black stripe (GND)
 - Pin 7: Blue wire with black stripe (B+)
 - Pin 12: Green wire (TAIL LAMP)

NOTE: Connect the T-tap at least 2" away from the connector.

- 2. About 2" from the connector, cut the black tachometer wire that terminates in Pin 11 (Figure 26). Strip the insulation \(^1/4\)" to 3/8."
- 3. Attach the TRD-supplied female receptacle to the instrument panel connector end of the tachometer wire just cut
- 4. Attach the TRD-supplied male receptacle to the vehicle wire harness end of the tachometer wire cut in Step 2.
- 5. Attach a T-tap to the black wire terminating in E4, Pin 23 of the ECM (Figure 27).





Figure 25

xA ONLY



Figure 26

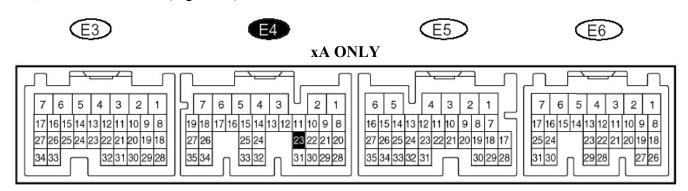


Figure 27



TRD SHIFT LIGHT KIT

xA (Pages 11-19)

6. Route the main harness down the center-right of the instrument panel so it exits to the left of the glove compartment opening (Figure 28).

NOTE: Be sure to route the harness away from the tilt mechanism or any other sharp metal surfaces.

7. Run the yellow wire to the ECM (Engine Control Module). Use the TRD-supplied wire ties as necessary.

NOTE: Be sure to route the wire away from any sharp metal surfaces.

8. Follow Table 2 and plug the corresponding wires from the TRD harness into the T-taps added to the vehicle harness.

NOTE: Be sure the spade terminals engage in the center of the slots on the T-taps and female terminal connectors.

Table 2 (xA ONLY)

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Vahiala				
TRD Wire	Vehicle Terminal	Car Color	Note	
Red	C10-12	Green	Tail Lamp Pwr	
Green	C10-11	Black	To Meter	
Brown	C10-3	White/black	Ground	
Light Blue	Unused	N/A		
Blue	Unused	N/A		
Black	C10-11	Black	From Harness	
Gray	Unused	N/A		
Violet	C10-7	Blue/black	B+	
Orange	Unused	N/A		
White	Unused	N/A		
Yellow	ECM E4-23	White	O2 Sensor	
Pink	Unused	N/A		
Light Green	C10-1	Red/black	IGP	

NOTE: For proper tachometer function, attach the black TRD wire to the vehicle wire harness side of the cut wire. Attach the green TRD wire to the meter side of the cut wire.



Figure 28



TRD SHIFT LIGHT KIT

xA (Pages 11-19)

9. Plug the factory connectors into the combination meter.

NOTE: Place a towel or other protective item on the dashboard so the combination meter does not scratch it.

Section VIII – Operational Check Procedure

- 1. Select 2000 RPM on the shift light computer (Figure 29). Set the left switch to "2" for the thousands digit and the right switch to "0" for the hundreds digit.
- 2. Set the Mode switch to "2" (Figure 29).
- 3. Plug the TRD wire harness into the shift light computer.
- 4. Plug the black TRD cable into the LED display housing and the shift light computer.
- 5. Temporarily attach the negative battery cable to the battery.
- 6. Start the vehicle. The LEDs should light up from left to right at the low brightness level, and then go off.
- 7. Rev the engine slowly to 2000 RPM. As the engine speed approaches 2000 RPM, the LEDs should light up. At 2000 RPM, they should blink.
- 8. Tap the button on the shift light computer to change to lambda mode. One LED should be lit. If the vehicle is cold, the left LED will be lit. If it is at operating temperature, most likely a middle LED will be lit. When the vehicle is being accelerated, the right LED will be lit.
- 9. Verify that the combination meter functions properly.

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10. If any of the above tests failed, check all of the connections and refer to the FAQs in Section XV on Page 30.

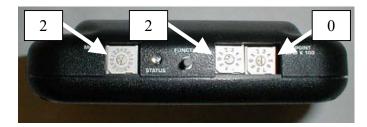


Figure 29



TRD SHIFT LIGHT KIT

xA (Pages 11-19)

- 11. Turn the vehicle off.
- 12. Disconnect the negative battery cable from the battery.
- 13. Unplug both connectors from the shift light computer.
- 14. Unplug the black cable from the LED display.

Section IX – Installation Procedure

1. Replace the combination meter into the instrument panel (Figure 30). Replace the 3 screws removed in Step 8 on Page 12.

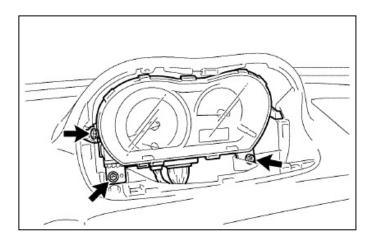


Figure 30

- 2. Replace the instrument cluster finish panel removed in Step 7 on Page 12 (Figure 31).
- 3. Replace the 2 pin clips into the top of the instrument cluster finish panel removed in Step 6 on Page 12 (Figure 31).

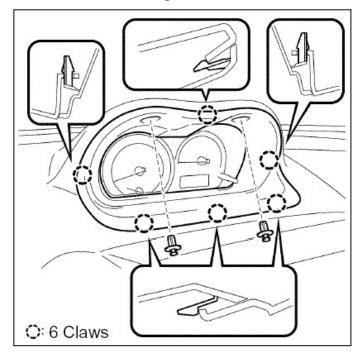


Figure 31



TRD SHIFT LIGHT KIT

xA (Pages 11-19)

4. Peel the backing off of the LED display adhesive and place it in a visible location, such as the top of the steering column (Figure 32).

NOTE: The LED display may be mounted anywhere in the vehicle where the display will be visible. Bend the LED display mounting bracket to match the contour of the mounting surface (if necessary). Be sure not to place it where an airbag may deploy.

NOTE: Do not look directly into the LEDs, as they are very bright. The shift light is intended for peripheral viewing. The display may be tilted for reduced direct intensity.

5. Route the LED display wire behind the instrument panel between the steering column and the glove compartment area (Figure 33).



Figure 32

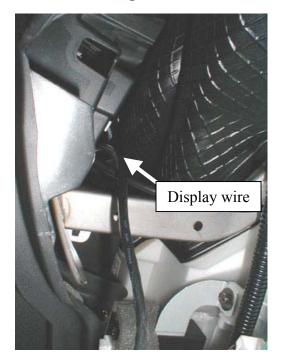


Figure 33



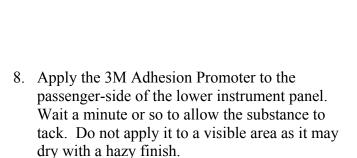
TRD SHIFT LIGHT KIT

xA (Pages 11-19)

6. Route the LED display wire between the steering column and instrument panel, then plug it into the LED display (Figure 34).

NOTE: Be sure the routing does not interfere with the tilt function of the steering column and that the wire does not get pinched.

7. Tighten the steering column height adjuster.



NOTE: Use a glove, as the adhesion promoter will leave a tacky residue.

9. Peel the tape backing from the shift light computer and attach it to the passenger-side of the lower instrument panel (Figure 35). Press and hold the computer for a few minutes to ensure a good bond.

NOTE: The shift light computer can be mounted anywhere in the vehicle where the controls will be accessible. Be sure it does not block any airbag or controls.

- 10. Bundle the excess wire with a wire tie and secure it out of sight under the glove compartment.
- 11. Plug the 2 wire connectors into the shift light computer.



Figure 34



Figure 35



TRD SHIFT LIGHT KIT

xA (Pages 11-19)

12. Replace the ECM cover removed in Step 4 on Page 11 (Figure 36).

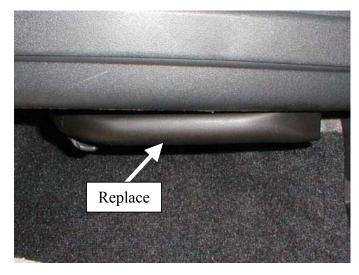


Figure 36

- 13. Press the glove compartment hinges into place (Figure 37).
- 14. Press in on the upper sides of the glove compartment door assembly to replace the two stoppers (Figure 37).
- 15. Go to Section XIV on Page 29 for use instructions and Section XV on Page 30 for FAQs.

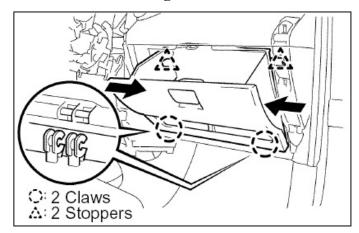


Figure 37



TRD SHIFT LIGHT KIT

xB (Pages 20-28)

Section X – Removal Procedure

- 1. Disconnect the negative cable from the battery.
- 2. Press in on the upper sides of the glove compartment door assembly to release the two stoppers (Figure 38).

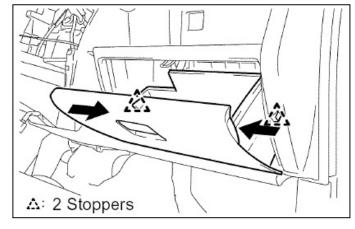


Figure 38

3. Pull the glove compartment door assembly rearward to remove it (Figure 39).

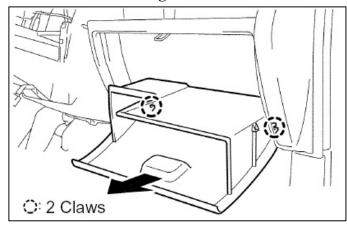


Figure 39

- 4. Remove the ECM cover (below the glove compartment opening, Figure 40).
- 5. Tilt the steering column to the lowest position. Leave the column loose during the installation.



Figure 40



TRD SHIFT LIGHT KIT

xB (Pages 20-28)

- 6. Remove the pin clip from the top-center of the instrument cluster finish panel (Figure 41).
- 7. Disengage the 7 claws and 2 clips and remove the instrument cluster finish panel (Figure 41).

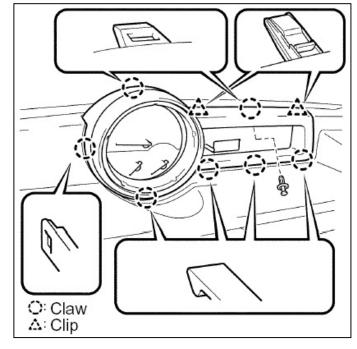


Figure 41

- 8. Remove the 3 screws from the combination meter assembly (Figure 42).
- 9. Pull the combination meter from the instrument panel. As the combination meter is removed, disconnect the electrical connector. Set the meter aside.
- 10. Peel back the wire harness wrap about 3 inches from the electrical connector.

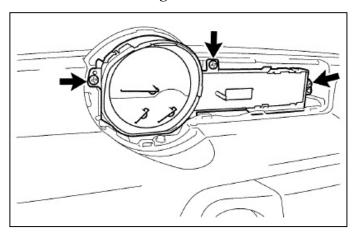


Figure 42



TRD SHIFT LIGHT KIT

xB (Pages 20-28)

Section XI – Installation Procedure

- 1. Attach T-taps to the wires terminating in the pins shown in Figure 43.
 - Pin 1: Blue wire with yellow stripe (B+)
 - Pin 21: Brown wire (GND)
 - Pin 23: Red wire with black stripe (IGP)
 - Pin 26: Green wire (TAIL LAMP)

NOTE: Connect the T-tap at least 2" away from the connector.

- 2. About 2" from the connector, cut the black tachometer wire that terminates in Pin 30 (Figure 44). Strip the insulation \(^1/4\)" to 3/8."
- 3. Attach the TRD-supplied female receptacles to both ends of the tachometer wire just cut.

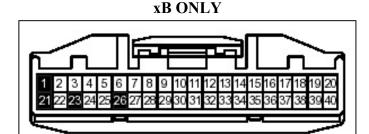


Figure 43

xB ONLY

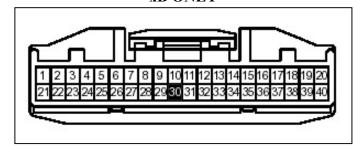


Figure 44

4. Attach a T-tap to the white wire terminating in E6, Pin 23 of the ECM (Figure 45).

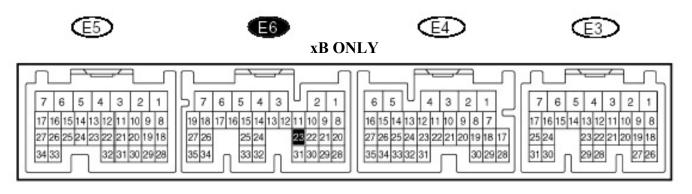


Figure 45



TRD SHIFT LIGHT KIT

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5. Route the main harness down the center-right of the instrument panel so it exits to the left of the glove compartment opening (Figure 46).

NOTE: Be sure to route the harness away from the tilt mechanism or any other sharp metal surfaces.

6. Run the yellow wire to the ECM (Engine Control Module). Use the TRD-supplied wire ties as necessary.

NOTE: Be sure to route the wire away any sharp metal surfaces.

7. Follow Table 3 and plug the corresponding wires from the TRD harness into the T-taps added to the vehicle harness.

NOTE: Be sure the spade terminals engage in the center of the slots on the T-taps and female terminal connectors.

Table 3 (xB ONLY)

Rev: A © TRD 9/17/04

	Vehicle		
TRD Wire	Terminal	Car Color	Note
Red	C6-26	Green	Tail Lamp Pwr
Green	C6-30	Black	To Meter
Brown	C6-21	Brown	Ground
Light Blue	Unused	N/A	
Blue	Unused	N/A	
Black	C6-30	Black	From Harness
Gray	Unused	N/A	
Violet	C6-1	Blue/yellow	B+
Orange	Unused	N/A	
White	Unused	N/A	
Yellow	ECM E6-23	White	O2 Sensor
Pink	Unused	N/A	
Light Green	C6-23	Red/black	IGP

NOTE: For proper tachometer function, attach the black TRD wire to the vehicle wire harness side of the cut wire. Attach the green TRD wire to the meter side of the cut wire.

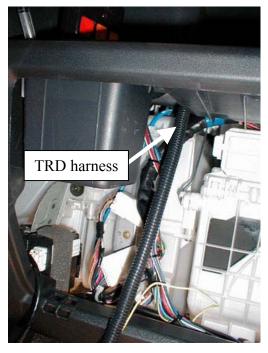


Figure 46



TRD SHIFT LIGHT KIT

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8. Plug the factory connector into the combination meter.

NOTE: Place a towel or other protective item on the dashboard so the combination meter does not scratch it.

Section XII – Operational Check Procedure

- 1. Select 2000 RPM on the shift light computer (Figure 47). Set the left switch to "2" for the thousands digit and the right switch to "0" for the hundreds digit.
- 2. Set the Mode switch to "2" (Figure 46).
- 3. Plug the TRD wire harness into the shift light computer.
- 4. Plug the black TRD cable into the LED display housing and the shift light computer.
- 5. Temporarily attach the negative battery cable to the battery.
- 6. Start the vehicle. The LEDs should light up from left to right at the low brightness level, and then go off.
- 7. Rev the engine slowly to 2000 RPM. As the engine speed approaches 2000 RPM, the LEDs should light up. At 2000 RPM, they should blink.
- 8. Tap the button on the shift light computer to change to lambda mode. One LED should be lit. If the vehicle is cold, the left LED will be lit. If it is at operating temperature, most likely a middle LED will be lit. When the vehicle is being accelerated, the right LED will be lit.
- 9. Verify that the combination meter functions properly.
- 10. If any of the above tests failed, check all of the connections and refer to the FAQs in Section XV on Page 30.

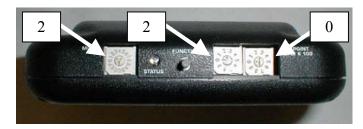


Figure 47



TRD SHIFT LIGHT KIT

xB (Pages 20-28)

- 11. Turn the vehicle off.
- 12. Disconnect the negative battery cable from the battery.
- 13. Unplug both connectors from the shift light computer.
- 14. Unplug the black cable from the LED display.

Section XIII - Installation Procedure

1. Replace the combination meter into the instrument panel (Figure 48). Replace the 3 screws removed in Step 8 on Page 21.

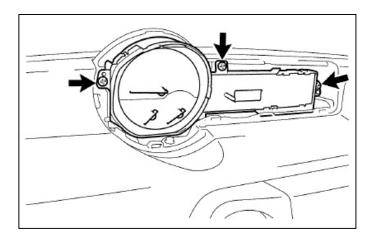


Figure 48

- 2. Replace the instrument cluster finish panel removed in Step 7 on Page 21 (Figure 49).
- 3. Replace the pin clip into the top-center of the instrument cluster finish panel removed in Step 6 on Page 21.

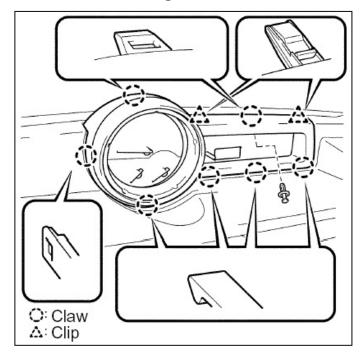


Figure 49



TRD SHIFT LIGHT KIT

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4. Peel the backing off of the adhesive and place the LED display in a visible location, such as the top of the steering column (Figure 50).

NOTE: The LED display may be mounted anywhere in the vehicle where the display will be visible. Bend the LED display mounting bracket to match the contour of the mounting surface (if necessary). Be sure not to place it where an airbag may deploy.

NOTE: Do not look directly into the LEDs, as they are very bright. The shift light is intended for peripheral viewing. The display may be tilted for reduced direct intensity.

- 5. Route the LED display wire behind the instrument panel between the steering column and the glove compartment area.
- 6. Route the LED display wire between the steering column and instrument panel, then plug it into the LED display (Figure 51).

NOTE: Be sure the routing does not interfere with the tilt function of the steering column and that the wire does not get pinched.

7. Tighten the steering column height adjuster.



Figure 50



Figure 51



TRD SHIFT LIGHT KIT

xB (Pages 20-28)

8. Apply the 3M Adhesion Promoter to the lower instrument panel (Refer to Figure 52). Wait a minute or so to allow the substance to tack. Do not apply it to a visible area as it may dry with a hazy finish.

NOTE: Use a glove, as the adhesion promoter will leave a tacky residue.

9. Peel the tape backing from the shift light computer and attach it to the lower instrument panel (Figure 52). Press and hold the computer for a few minutes to ensure a good bond.

NOTE: The shift light computer can be mounted anywhere in the vehicle where the controls will be accessible. Be sure it does not block an airbag or any controls.



Figure 52

- 10. Bundle the excess wire with a wire tie and secure it out of sight behind the lower instrument panel (Figure 53).
- 11. Plug the 2 wire connectors into the shift light computer (Figure 53).



Figure 53



TRD SHIFT LIGHT KIT

xB (Pages 20-28)

12. Replace the ECM cover removed in Step 4 on Page 20 (Figure 54).



Figure 54

13. Press the glove compartment hinges into place (Figure 55).

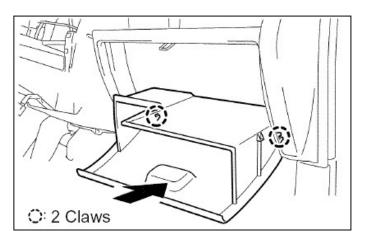


Figure 55

14. Press in on the upper sides of the glove compartment door assembly to replace the two stoppers (Figure 56).

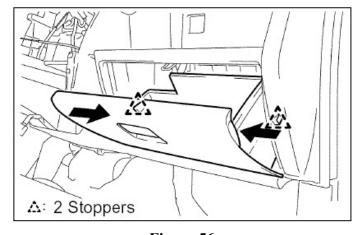


Figure 56



TRD SHIFT LIGHT KIT

All Platforms

Section XIV – Shift Light Use

- 1. Set the desired shift RPM using the switches on the shift light computer (Figure 57).
- 2. Set the shift light pattern using the mode switch. Refer to Table 4 below and Figure 57.

Table 4

Mode	Function	
0	300 RPM steps, no lambda display	
1	200 RPM steps, no lambda display	
2	300 RPM steps, with lambda display	
3	200 RPM steps, with lambda display	
5-F	Not used on tC, xA or xB	

- 3. To switch between shift light mode and lambda mode, tap the Function button on the shift light computer with the engine running.
- 4. To use the record feature, press the Function button on the shift light computer for 3 seconds with the engine running. The unit will record approximately 45 seconds of RPM, shift lights and lambda data. During recording, the status light will flash.
- 5. To use the playback feature, turn the engine off, but have the key in the ignition "On" position. Press the Function button on the shift light computer for 3 seconds. During playback, the status light will flash.

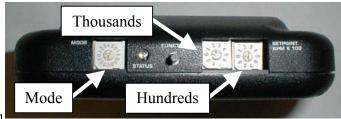


Figure 57



TRD SHIFT LIGHT KIT

Section XV - FAQs

- 1. Q. How do I dim the lights?
 - A. If this is a night check, the display should auto dim when the running (amber) lights are switched on. If not, the connections need to be checked. If this feature is functioning properly, then the display may be tilted, as the LEDs are very directional.
- 2. Q. The left LED comes on with the ignition on but without the engine running, why?
 - A. The computer is in lambda display mode. This is the air/fuel ratio without the engine running.
- 3. Q. Does the shift light operate in lambda mode?
 - A. The shift lights will override the air/fuel display in lambda mode.
- 4. Q. Can I use the air/fuel mode to tune my car?
 - A. No, the lambda display is not an engineering tool; it merely displays the approximate air/fuel ratio.
- 5. Q. The shift lights come on at half/twice the rpm I set, why?
 - A. Check that the mode switch is in the correct position (0-3).
- 6. Q. The display does not dim when the lights are turned on, why?
 - A. Check the red wire connection.
- 7. Q. The lamp test works but the tachometer does not function on engine start up, why?
 - A. Check the green wire connection.
- 8. Q. The lamp test fails and the tachometer does not function on engine start up, why?
 - A. Check the black wire connection.

- 9. Q. What is the proper display in the lambda mode?
 - A. During engine startup, the left-hand side LED will come on (Figure 58a).



Figure 58a

As the engine warms and is accelerated, the display will show the following:

1. The right-hand side LEDs will display under hard acceleration (Figure 58b).



Figure 58b

2. The middle LEDs will display during cruise or part-throttle conditions (Figure 58c).



Figure 58c

3. The left-hand side LED displays when the throttle pedal is released (Figure 58a).