### Kit Contents

<table>
<thead>
<tr>
<th>Item #</th>
<th>Quantity Req'd.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>LED Harness</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Main Harness</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Sub Harness</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>Controller</td>
</tr>
</tbody>
</table>

### Hardware Bag Contents

<table>
<thead>
<tr>
<th>Item #</th>
<th>Quantity Req'd.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Switch</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Switch Spacer</td>
</tr>
<tr>
<td>3</td>
<td>2</td>
<td>Wire Tie Clamp</td>
</tr>
<tr>
<td>4</td>
<td>2</td>
<td>Wire Tie</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>Film</td>
</tr>
<tr>
<td>6</td>
<td>1</td>
<td>Adhesive (Black) Sheet</td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>Foam Tape</td>
</tr>
<tr>
<td>8</td>
<td>1</td>
<td>Installation Manual</td>
</tr>
<tr>
<td>9</td>
<td>1</td>
<td>Programming Guide</td>
</tr>
</tbody>
</table>

### Additional Items Required For Installation

<table>
<thead>
<tr>
<th>Item #</th>
<th>Quantity Req'd.</th>
<th>Description</th>
</tr>
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</table>

### Conflicts

Note:

### Special Chemicals

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive Remover</td>
<td>3M™ Citrus Based Industrial Cleaner or equivalent</td>
</tr>
<tr>
<td>Cleaner</td>
<td>3M™ Prep Solvent-70</td>
</tr>
</tbody>
</table>

### General Applicability

Scion xA and xB vehicles.

### Recommended Sequence of Application

<table>
<thead>
<tr>
<th>Item #</th>
<th>Accessory</th>
</tr>
</thead>
</table>

*Mandatory

### Legend

- **STOP**: Damage to the vehicle may occur. Do not proceed until process has been complied with.
- **OPERATOR SAFETY**: Use caution to avoid risk of injury.
- **CRITICAL PROCESS**: Proceed with caution to ensure a quality installation.
- **GENERAL PROCESS**: This highlights specific processes to ensure a quality installation.
- **TOOLS & EQUIPMENT**: Calls out the specific tools and equipment recommended for this process.
A. Remove Battery Cable.

1. Remove the negative battery cable.
   (Figs. A-1 & A-2)
   i. Protect the fender before starting.
   ii. Do not touch the positive terminal with any tool when removing cable.

B. Remove the Center Console Box

FOR VEHICLES AUTOMATIC TRANSMISSION. (Steps B. 1. to B. 3.)

1. Remove the parking brake cover. (Fig. B1)

2. Unfasten the screw and two clips fastening the center console box to remove it.

3. Remove the center console box with great care so as not to damage it.

FOR VEHICLES MANUAL TRANSMISSION. (Steps B. 4. to B. 6.)

4. Remove the shift knob. (Fig. B2)

5. Remove the parking brake cover.

6. Remove the screw and two clips, and then remove the center console box.
C. Remove the Insulator Padding

NOTE: Damage to the center console box may result when installing the Cup Holder Illumination. Perform the following operations on a protective sheet.

1. Follow Steps C. 2. to C. 5. to remove the insulator padding (in the three (3) hatched areas) from the center console box. (Fig. C1)

2. Using a cutter or scissors, cut the insulator padding (located toward the rear) from the back of the side of the cup holder. (Fig. C2)

3. Using adhesive remover, remove the remaining insulators in the hatched areas.
   i. Apply adhesive remover to clean cloth.
   ii. Do not spray adhesive remover (or any other chemical) directly onto either the vehicle surface or vehicle components.
   iii. Remove all adhesive residues.

4. Carefully remove the insulator padding (40 mm from the reference rib in the forward direction) from the back of the side of the center console box. (Fig. C3).

5. Using adhesive remover, remove the remaining insulators in the hatching areas.

6. Use caution when cleaning all the hatched areas shown. (Fig. C1)

D. Drilling the Cup Holder

1. Mark the center of the mark-off lines (molded into the console panel, in two positions) on the back of the side of the cup holder with a scribe. (Fig. D1)

NOTE: Exercise extreme care not to damage other interior parts with the scribe or drill.
2. After the insulator padding is removed, it may be difficult to identify where the center is. Follow the procedure described below to mark the center of the mark-off lines.
   i. Connect the "Convex Points," and mark the Center. (Fig. D2)

3. Set a drill stop at 10 mm to the tip of the 3 mm bit and 7 mm drill bits. (Fig. D2)

4. Drill the two marked center positions with 3 mm pilot drill.

5. Open the pilot holes prepared holes with 7 mm drill.

6. Remove burrs and edges.

E. Mounting the Switch

1. Referring to the dimensions shown in Fig. E1, position the switch spacer on the underside of the center console box.

2. Scribe a line along the inside of the spacer.
   i. It is not necessary to cut out the forward notches.

3. Remove the spacer.

4. Follow the procedure shown in Fig. E2, remove the scribed area for the switch.
   i. Drill 12 (3 mm) holes inside the scribed area.
   ii. Cut out center portion.
   iii. File hole to rectangle (with notches) as shown.

5. Clean plastic debris from drilling/cutting.
6. Set the spacer under the switch. (Fig. E3)

7. Mount the switch on the center console box.

F. Attaching the Films

1. Degrease the two (2) hatched areas on the surface of the side of the cup holder with 3M™ Prep Solvent-70. (Fig. F1)
   
   i. When cleaning with 3M™ Prep Solvent-70 follow the manufacturer’s directions. Do not allow cleaner to air dry.

2. Align each film with the center of the 7 mm holes, and attach them over the degreased areas.
   
   i. Remove the backing sheet.
   
   ii. Position film over center of hole.

3. If the temperature is 60°F or below, warm the double-sided tape or film attaching position with a heat gun or other means before attaching the films.

4. Apply pressure over the films so that the double-sided tape is securely attached to the cup holder.

   NOTE: Attachment of film is made easier with the use of tweezers.

G. Mounting the LED Harness

1. Degrease the five (5) hatch areas on the back of the cup holder with 3M™ Prep Solvent-70. (Fig. G1)
   
   i. When cleaning with 3M™ Prep Solvent-70 follow the manufacturer’s directions. Do not allow cleaner to air dry.

2. Remove the backing film from the two (2) LED harnesses.
3. Mount the two (2) LED harnesses over the 7 mm holes in the back of the side of the cup holder. (Fig. G2)

4. If the temperature is 60°F or below, warm the double-sided tape or film attaching position with a heat gun or other means before attaching the films.

5. Apply pressure over the LED so that the double-sided tape is securely attached to the cup holder.

H. Cutting the Adhesive (Black) Sheet
   1. Cut the black adhesive sheet into eight equal pieces (strips) as shown. (Fig. H1)

I. Securing the LED Harness
   1. Fold the excess wire of the LED harness and wrap it with vinyl tape.
   2. Secure the LED harness in four (4) places with the black adhesive strips. (Fig. I1)

J. Mounting the Controller
   1. Connect the white 4-pin connector of the sub harness and the white 6-pin connector of the main harness to the controller. (Fig. J1)
   2. Push in the connectors until they are securely locked.
3. Degrease the four (4) hatched areas on the back of the center console box with 3M™ Prep Solvent-70. (Fig. J2)
   i. When cleaning with 3M™ Prep Solvent-70 follow the manufacturer’s directions. Do not allow cleaner to air dry.

4. Connect the black 4-pin connector of the sub-harness and the black 4-pin connector of the LED harness to the controller.

5. Remove the backing sheet from the controller.

6. Attach the controller according in the position shown. (Fig. J3)
   i. Attach the controller with the white 6-pin connector (main harness) facing the front.

7. If the temperature is 60°F or below, warm the double-sided tape or film attaching position with a heat gun or other means before attaching the films.

8. Apply pressure over the controller so that the double-sided tape will securely attach to the cup holder.

**K. Securing the Sub-harness and Main Harness**

1. Attach the clamp to the mounting position on the center console box. (Fig. K1)

2. Secure the main harness and the fuse to the clamp with a wire tie.

   *FOR VEHICLES MANUAL TRANSMISSION. (Step K. 3.)*

   3. In the case of the Manual Transmission model, fold the excess wire of the main harness and fuse, and wrap them with vinyl tape.

   4. Connect the white 5-pin connector of the main harness to the switch.
5. Secure the black 4-pin connector with a piece of the black adhesive strips. (Fig. K2)

6. Route the sub-harness and the main harness, and secure them with black adhesive strips. (Fig. K2)

7. Wrap the main harness and switch harness with vinyl tape and secure them with a black adhesive strip. (Fig. K2)

8. Secure the excess portion of the sub-harness and main harness on the rear side (controller) of the vehicle.

9. Degrease with 3M™ Prep Solvent-70 the mounting position (on the controller) where the clamp will be attached, and attach the clamp. (Fig. K3)
   i. When cleaning with 3M™ Prep Solvent-70 follow the manufacturer’s directions. Do not allow cleaner to air dry.

10. Fold the excess portion of the sub-harness and main harness, and wrap them with vinyl tape.

11. Secure the excess portion to the clamp with a wire tie.

L. Reassembling the Center Console Box

1. Disconnect the blue 4-pin connector located under the shift lever. (Fig. L1)
FOR VEHICLES AUTOMATIC TRANSMISSION. (Steps L. 2. to L. 4.)

2. Connect the blue 4-pin connector (male) of the main harness to the blue 4-pin connector (female) of the vehicle harness. (Fig. L2)

3. Connect the blue 4-pin connector (female) of the main harness to the vehicle connector.

4. Wrap the connected blue 4-pin connectors, main harness and vehicle harness with a piece of the foam tape.

FOR VEHICLES MANUAL TRANSMISSION. (Steps L. 5. to L. 6.)

5. Connect the blue 4-pin connector (male) of the main harness to the blue 4-pin connector (female) of the vehicle harness. (Fig. L2)

NOTE: The female blue 4-pin connector of the main harness is not used for the manual transmission model.

6. Wrap the connected blue 4-pin connectors, main harness and vehicle harness with a piece of the foam tape.

7. Reassemble the center console box.

M. Complete the Installation

1. Reconnect the vehicle's negative battery cable. (Fig. M1)
   i. Position the negative terminal to the battery as shown.
   ii. Tighten the nut to 4.1 N-m (36 lbf-in).
   iii. Do not touch the positive terminal with any tool when replacing the cable.

2. Place Programming Guide in glove box.
Section III – Functional Verifications

Check:__________________________________________

☐ Switch on taillights
☐ Check cup holder illumination (switch = ON)
☐ Push switch to change colors
☐ Switch off taillights

☐ Check battery terminals for tightness with 10mm sockets
☐ Inspect vehicle for damage, dirt or trash
☐ Programming Guide

Look For:_______________________________________

Taillights “ON”
Cupholder illuminated
Check that all eight (8) colors are available
Taillights and cup holder illumination "OFF"
Terminals are tight
No damage, dirt, or trash
Placed in glove box