TOYOTA / SCION

LED FOG LAMP UPGRADE

Part Number: TAV-913

AUER AUTOMOTIVE

Kit Contents

Item #	Quantity Reqd.	Description
1	2	LED Fog Lamps

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	2	LED Wire Connectors

Conflicts

- Must have Factory Installed Fog Lamps

General Applicability

Avalon, Prius V, Sienna, Tacoma, Scion tC

Recommended Tools

Safety Tools	
Safety Glasses	
Installation Tools	
10mm Wrench	
Phillips Screw Driver	
Pliers	
Side Cutters	
Special Chemicals	

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.

TOOLS & EQUIPMENT: This calls out the specific tools and equipment required for this process

REVISION MARK: This mark highlights a change in installation with respect to previous issue.

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure quality installation.
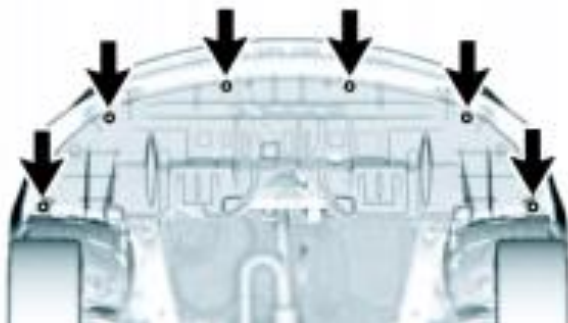
Preparation

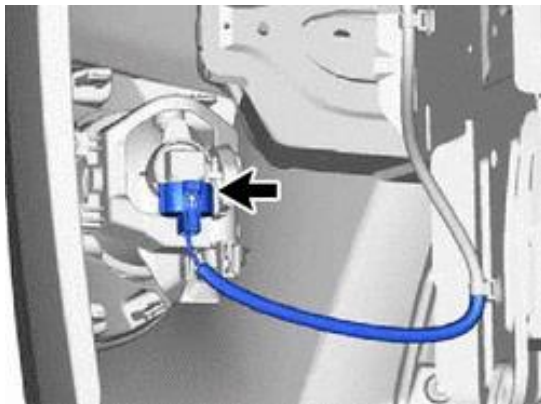🛑 Remove negative battery cable from the battery.

Installation

1. From under the car, remove the lower splash shield (s): screws on the bottom of bumper (picture 1)
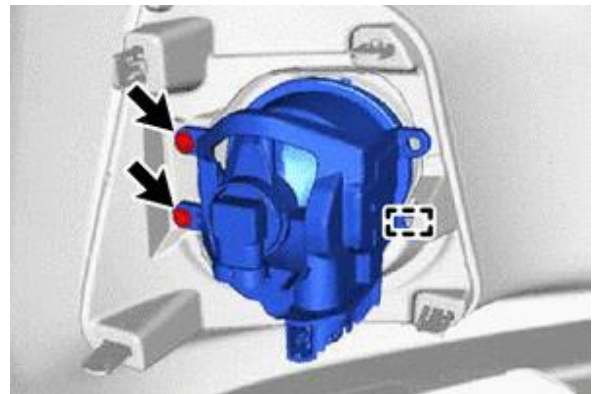

Picture 1

2. Unplug driver side fog lamp (picture 2)

Picture 2

3. Remove driver side fog lamp, by removing the factory screw (s). Note: Factory screws will be used on installation. Do not discard them (picture 3).
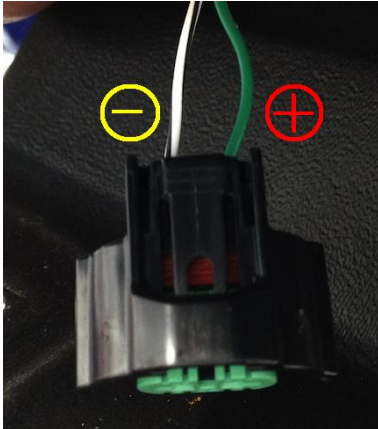

Picture 3

⚠️ **LED Fog Lamps will NOT work if the polarity is reversed. Be sure the red positive wire of the factory wire harness matches the red positive wire from the lamp housing, and the black negative wire from the factory wire harness matches the black negative wire from the lamp housing.**

⚠️ **Factory harness wire colors may vary by vehicle model. (Picture 4)**

Picture 4

Picture 5 LED Fog lamp connector

4. The LED fog lamp housing wires are not inserted into the supplied connectors. Push the negative wire (black or black-white) into the connector. Then, push the positive wire (red or red-white) into the connector. Be sure the polarity is correct.

5. Mount the LED fog lamp using the factory screws.

6. Plug Fog lamp connector into LED fog lamp.

7. Repeat steps 3~5 for right side

8. Reattach the lower splash shields.

9. Reconnect negative battery cable and torque to 48 in-lbs..

Checklist – these points MUST be checked to ensure quality installation

Check System for Operation

Reconnect battery terminals

1. Turn on headlamp low beams, then press fog lamp switch to "ON" position. Fog lamps should be working. Fog lamps will only work when the low beam headlamps are "ON". Fog lamps will NOT work when the high beam headlamps are "ON"
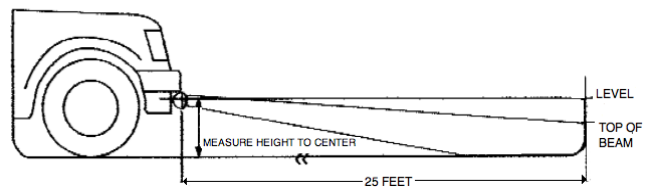
Fog Lamp Aiming

⚠️ **NOTE**: *Use only hand tools to adjust the fog light aiming screw. DO NOT use power assisted tools, as they will damage the fog light.*

Traditional fog lamps are usually mounted in the front bumper about 10-24 inches from the ground. There are two important issues to address when installing fog lamps: the first is to minimize the amount of return glare into the driver's eyes, and the other is to minimize the glare into oncoming eyes. Both of these issues must be accomplished while putting as much lamp as possible on the road.

These fog weather lamp aiming instructions are suggestions taken from common practice and the S.A.E. standard J583. Some modifications to these instructions may be necessary to minimize glare.

Visual aim is made with the top of the beam 4 inches below the lamp center at 25 feet with the lamp facing straight forward (see picture 6)

Picture 6

Check

Accessory Functions Checks

☐ Fog Lights function…………………………..

☐ All Panels snapped into place……………….

☐ Battery Terminal……………………………….

Vehicle Function checks

☐ Check all vehicle functions

Look For:

- Inoperable fog light function

- Loose panels and switches

- Re-torque battery terminals to 48 in-lb