

Section I – Installation Preparation

Part Number: 08590-52840

Section I – Installation Preparation

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Fog Light Assembly, RH
2	1	Fog Light Assembly, LH
3	1	Switch, Fog Light
4	1	Relay, Fog Light
5	2	Bracket, Fog Light
6	1	Installation Instructions

Hardware Bag Contents

Item #	Quantity Req'd.	Description

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Conflicts

Note:

Recommended Tools

Safety Tools	
Vehicle Protection	Blanket/tape
Special Tools	
None	
Installation Tools	
Socket	10 mm
Wrench	10 mm
Ratchet	
Ratchet Extension	
Torque Wrench	
Screwdriver	Phillips #2
Screwdriver	Flat Blade, Small
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST # 00002-06001-01
Special Chemicals	
None	

Color Applicability/Trim Level

Accessory Color																			
Vehicle/Trim Color																			

General Applicability


Note:-


Recommended Sequence of Application


Item #	Accessory	
1	TVIP	
2	Satellite Receiver	
3	Audio	
4	Subwoofer (SB)	
2	Fog Light	


*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. These points will be audited on a completed vehicle installation.

 **GENERAL PROCESS:** This highlights specific processes to ensure a quality installation. These points will be audited during the accessory installation.

 **TOOLS & EQUIPMENT:** Calls out the specific tools and equipment recommended for this process.

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

Section II – Installation Procedure

NOTES

Removed Parts:-



Place all removed parts on a protected surface.

Connectors:-



When disconnecting connectors, do not pull on the wires; pull on the connectors.

Wire Ties:-



When using wire ties to secure harness, clip the wire ties after securing them.

A. Remove Battery Cable.

1. Remove the negative battery cable. (Fig. A1)



i. Protect the fender before starting.



ii. Do not touch the positive terminal with any tool when removing cable.

B. Install Fog Lights.

1. Starting installation on passenger side.

2. Remove fog lamp knock out cover by reaching under the front bumper cover. (Fig. B1)

3. Remove the 2P connector secured with vehicle wire harness as shown in (Fig. B2). Pull the 2P connector harness through opening.



4. Attach bracket (in kit) onto fog light assembly RH.



5. Connect the 2P connector to fog light assembly RH. (Fig. B3)

6. Be sure adjuster is backed out far enough to engage properly in bumper. (Fig B3)

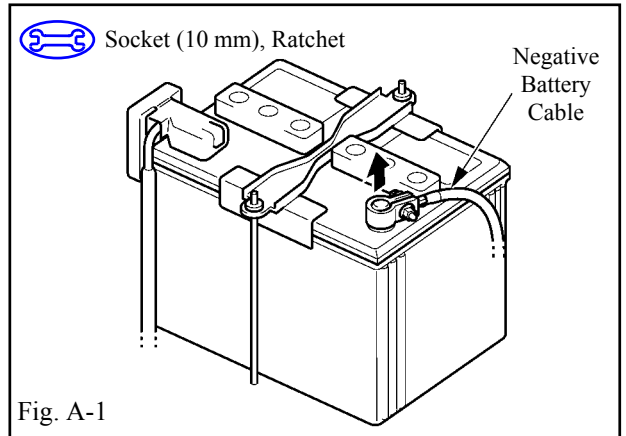


Fig. A-1

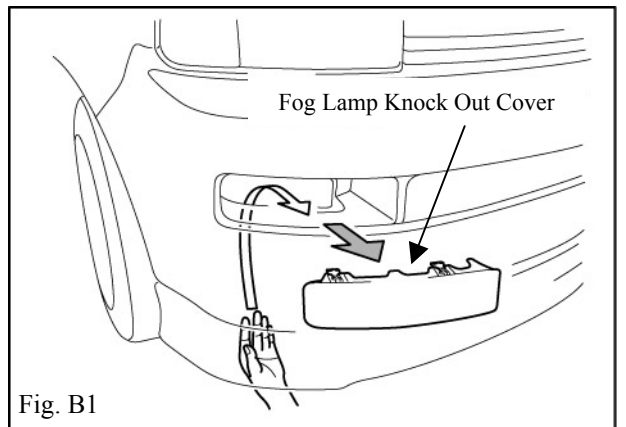


Fig. B1

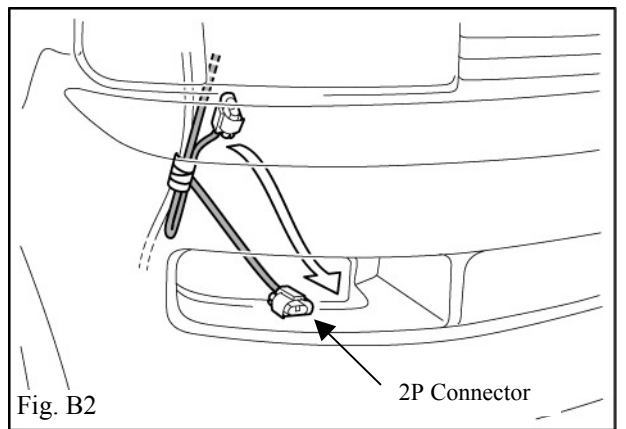


Fig. B2

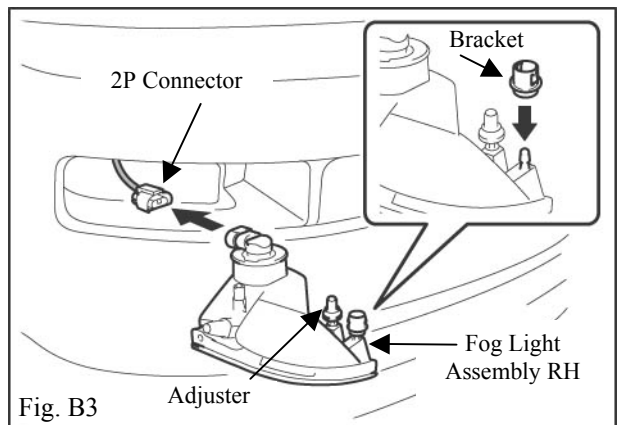


Fig. B3

Section II – Installation Procedure

7. Install the fog light assembly RH to opening. (Fig. B4)
8. Repeat Steps B. 2. to B. 7. for driver side.
- ➔ 9. Make sure that both fog light assemblies are secure and locked in place.

C. Install Fog Light Switch.

- ➔ 1. Remove the glove compartment door. (Fig. C1)
2. Determine proper switch location. (Fig. C2)
- ➔ 3. Remove knock out cover from switch position shown. (Fig. C2)
4. Access the 2P connector through glove box opening. (Fig. C3)
- ➔ 5. Remove the 2P connector secured with vehicle wire harness as shown. (Fig. C3) Pull the 2P connector through opening.
- ➔ 6. Connect the 2P connector to the fog light switch.
- ➔ 7. Correctly orientate switch in hole. (Fig. C3)

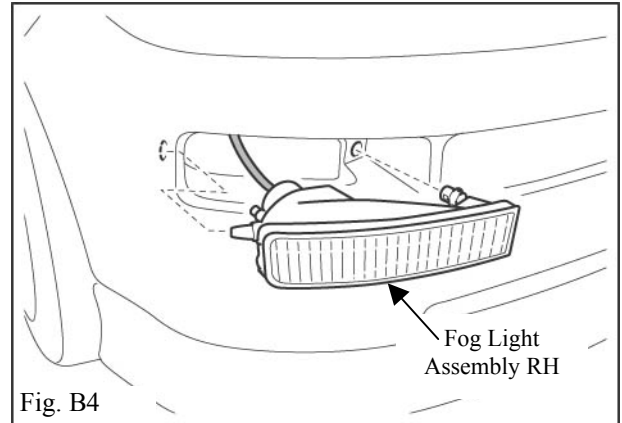


Fig. B4

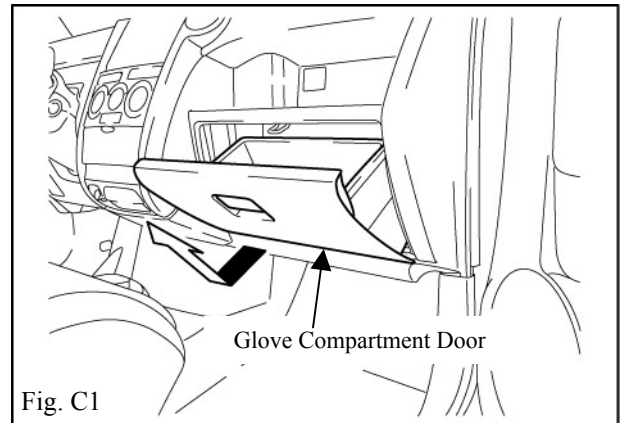


Fig. C1

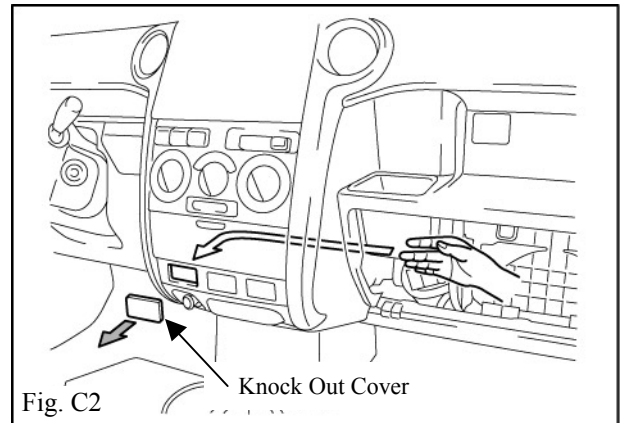


Fig. C2

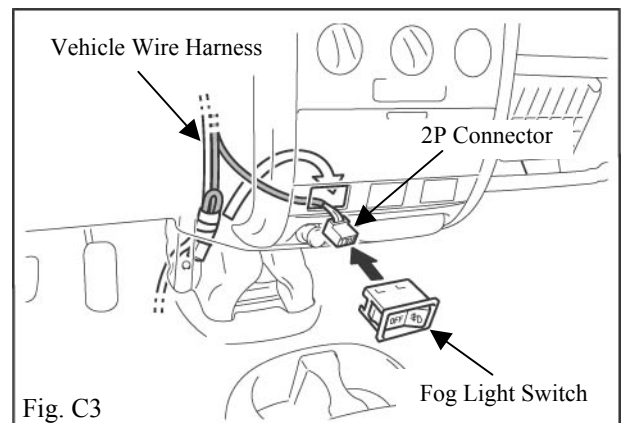


Fig. C3

Section II – Installation Procedure

- 8. Remove the instrument panel box. (Fig. C4)
- 9. Determine proper relay location.
- 10. Remove the relay block using a small flat bladed screwdriver as shown in (Fig C5, Steps ①, ②, & ③).
- ➔ 11. Install relay (in kit) into the relay block. (Fig. C6)

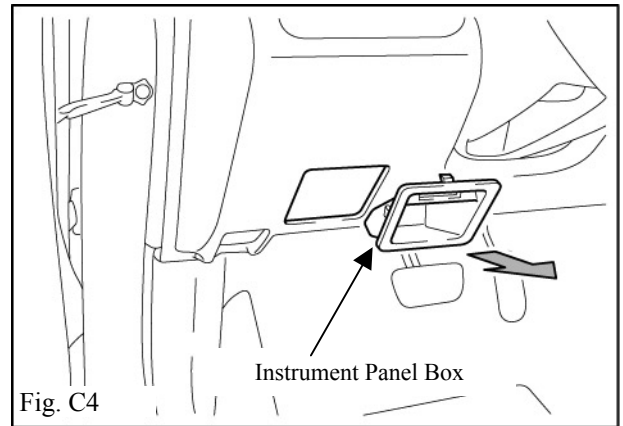


Fig. C4

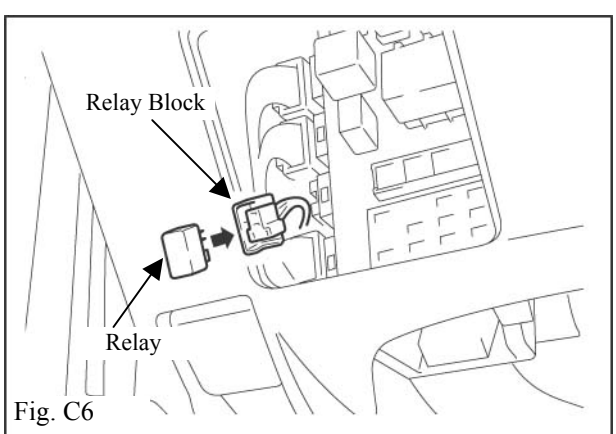
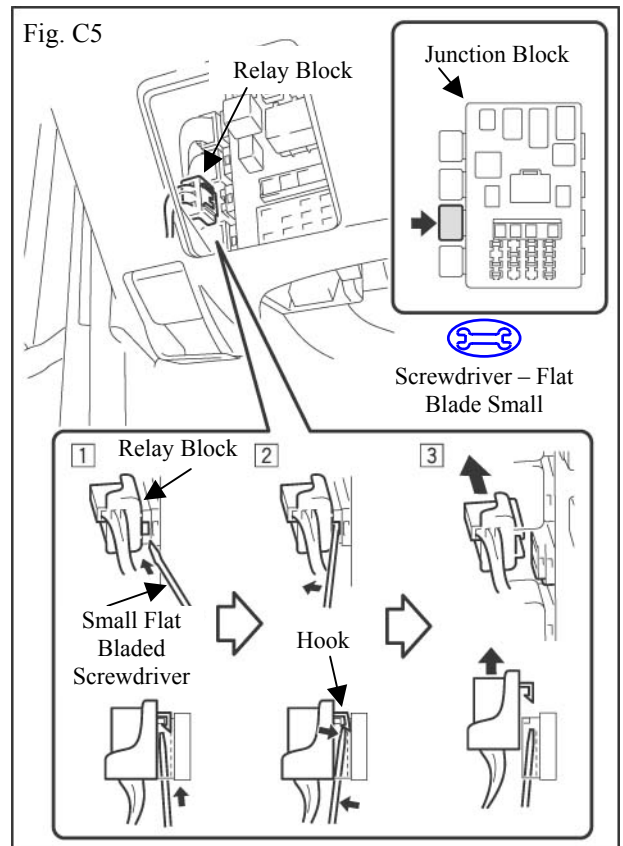





Fig. C6



12. Replace the relay block to junction block.
(Fig. C7).

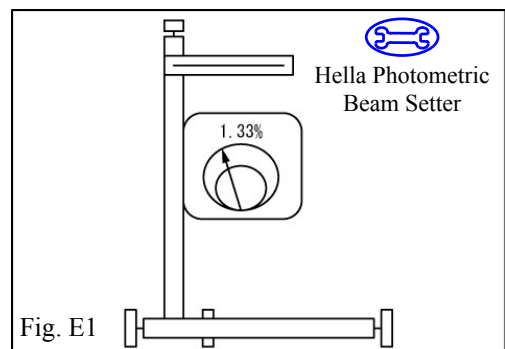
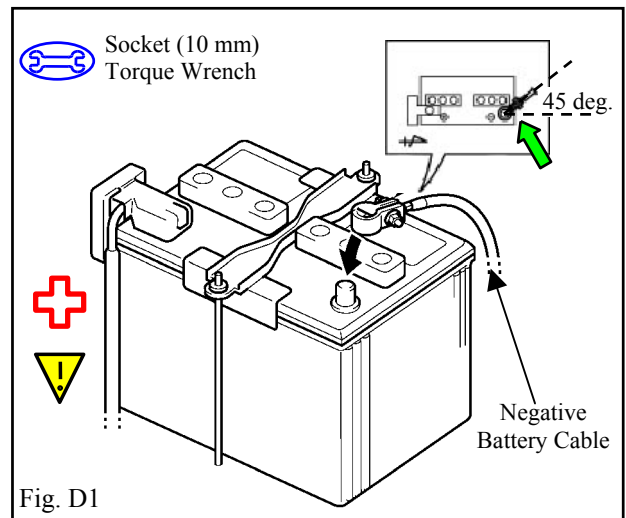
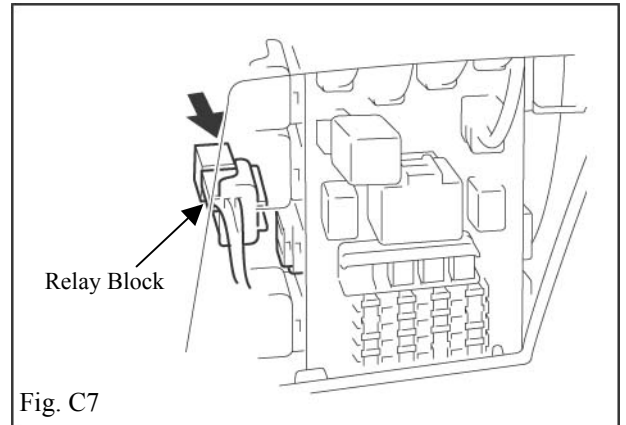
D. Reconnect Negative Battery Cable.

1. Reconnect the vehicle's negative battery cable.
(Fig. D1)

-  i. Position the negative terminal to the battery as shown (~45 deg.).
-  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.

E. Aiming Instructions.

-  1. Use Hella Photometric Beam Setter or equivalent) to correctly align fog light beam.
(Fig. E1)
 -  i. Adjustment of the fog light is done by turning the adjustment screw using a Phillips screwdriver.
2. Repeat for other side.





Section III – Functional Verifications

Check: _____

Accessory Function Checks

- Turn on headlights.
- Turn on fog lights.
- Turn off headlights.

- Check fog light switch orientation.
- Switch on high beams.
- Dashboard lights and dimmer function.

Vehicle Function Checks

- Check taillights.
- Turn off headlights.
- Check brake lights.
- Check turn signals.
- Check reverse lights.
- Check emergency flashers.
- Check clutch switch, push and hold switch and start vehicle (MT models only).



- Check battery terminals for tightness.

Look For: _____

- Headlights “ON”.
- Fog lights “ON”.
- Fog lights **NOT** “ON” with headlights “OFF”.
- Lamp symbol facing left.
- High beams “ON”/Fog lights “OFF”.
- Low beams “ON”/Fog lights “ON”.

- Taillights “ON”.
- Headlights “OFF”.
- Brake lights “ON”.
- Turn signals “ON”.
- Reverse lights “ON”.
- Emergency flashers “ON”.
- Vehicle starts.

- Terminals are tight

Section IV: Process / Audit Criteria

Process   

Audited during accessory installation

Paragraph numbers refer to paragraph numbers in Section II

Audit 

Audited on completed vehicle installation

|| Part Number: 08590-52840

A. Remove Battery Cable.

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



B. Install Fog Lights.

4. Attach bracket (in kit) onto fog light assembly RH.
5. Connect the 2P connector to fog light assembly RH.
9. Make sure that both fog light assemblies are secure and locked in place.



C. Install Fog Light Switch.

1. Remove the glove compartment door.
3. Remove knock out cover from switch position shown.
5. Remove the 2P connector secured with vehicle wire harness. Pull the 2P connector through opening.
6. Connect the 2P connector to the fog light switch.
7. Correctly orientate switch in hole.
11. Install relay (in kit) into the relay block.



D. Reconnect Negative Battery Cable.

1. Reconnect the vehicle's negative battery cable.
 - i. Position the negative terminal to the battery as shown (~45 deg.).



E. Aiming Instructions.

1. Use Hella Photometric Beam Setter or equivalent) to correctly align fog light beam.
 - i. Adjustment of the fog light is done by turning the adjustment screw using a Phillips screwdriver.



D. Reconnect Negative Battery Cable.

- ii. Tighten the nut to 4.1 N•m (36 lbf•in).

