



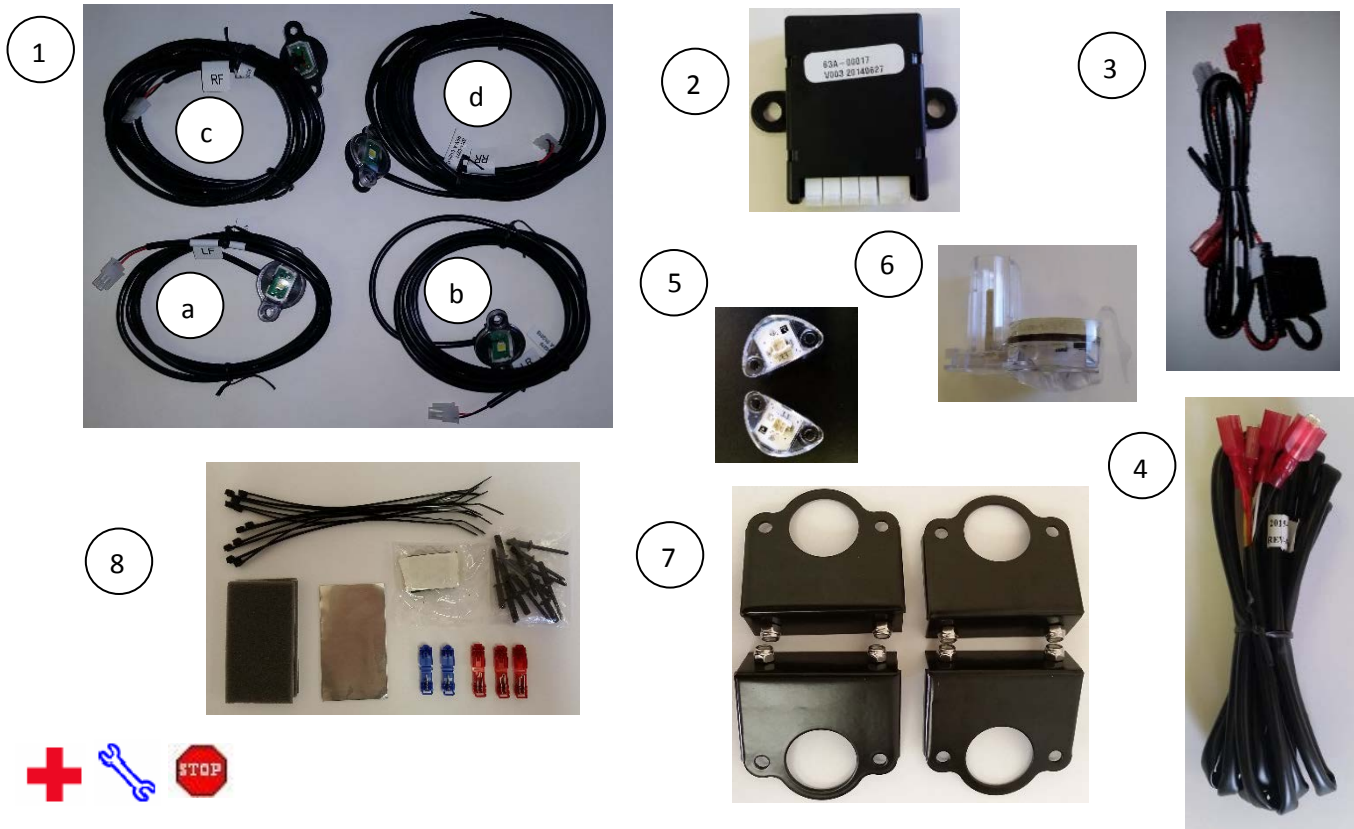
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

This document covers such items as:

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, re-checking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Item	Quantity	Description	Part Number
1.	4	Puddle Lights and Harnesses	
(a)	1	LF (4.9') Puddle Light	00016-00064-05
(b)	1	LR (7.8') Puddle Light	00016-00064-06
(c)	1	RF (10.8') Puddle Light	00016-00064-07
(d)	1	RR (13.8') Puddle Light	00016-00064-08
2.	1	Control Module	00016-00064-04
3.	1	Power Harness	00016-00064-01
4.	1	Foot-well Harness	00016-00064-02
5.	2	Foot-well Lights	00016-00064-03
6.	1	Trunk Light	00016-00064-09
7.	4	Puddle Light Mounting Brackets	00016-00069-01
8.	1	Hardware Bag	



**CAUTION:** It is advisable to disconnect the negative battery cable for 90 seconds before beginning installation, to avoid unintended air bag deployment. Note and record any anti-theft radio codes prior to disconnecting.



## VEHICLE PREPERATION:

1. Measure and drill locations for the rear light pod brackets using 11/64" drill bit. These should be approximately 7 1/2" forward of the forward most rear jack point (centered below the 4<sup>th</sup> grommet from the rear) Figure 1.
2. Measure and drill locations for the front light pod brackets using 11/64" drill bit. They should be centered approximately 12" back from the rear most front jack point (Figure 2).
3. Install all 4 mounting brackets using included bracket hardware. Brackets should be in-board of pinch weld, with bolts being fed through the pinch weld then the bracket (Figure 3).

**NOTE: Appy VPC sealant to all pinch weld holes before mounting brackets.**

4. Mount appropriate light in corresponding bracket, securing in place with plastic rivets (Figure 3).

**NOTE: Arrow on puddle light lens must face out, away from bracket tabs.**

5. If vehicle is fitted with undercarriage skid plates, remove both sides using 10mm and 12mm sockets.
6. Remove Drain plugs from both left and right front floor pans (Figure 4).



Figure 1



Figure 2



Figure 3



Figure 4

## Remove Door Scuff Plates and Cowl Side Trim

7. Disengage the 8 claws and 2 guides to remove the front door scuff plate, LH (Figure 5).

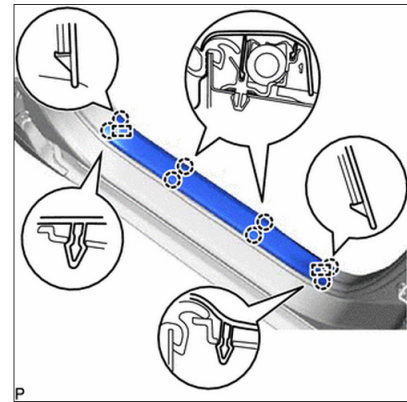


Figure 5

8. Remove the clip. Disengage the clip and remove the cowl side trim sub-assembly, LH (Figure 6).

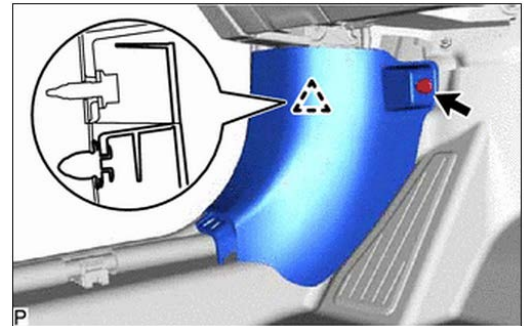


Figure 6

9. Disengage the 5 claws and guide to remove the rear door scuff plate, LH (Figure 7).

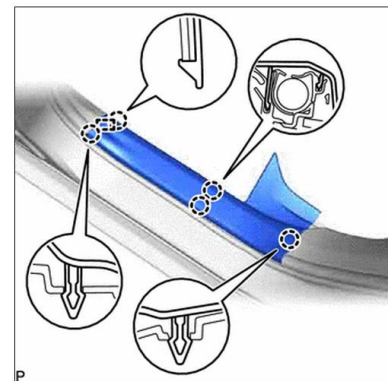


Figure 7

10. Repeat for RH side.



11. Using a sharp blade, cut an 'X' in the middle of each drain plug, in order to route the front harnesses through and into the vehicle.

12. Lift front carpet to gain access to the drain holes and route front puddle light harnesses up and into the vehicle.

13. Re-install drain plugs, with the front harnesses threaded through the plugs, foam tape in place as shown (Figure 8).



Figure 8

14. Lift rear carpet and remove drain plugs found near the base of the seat belts (Figure 9).

15. Cut rear plugs similar to front ones. Thread rear puddle light harnesses through and reinstall plugs.



Figure 9

16. Seal harnesses to front and rear drain plugs using half of included sealing putty per side. Make sure to work putty completely around wires for a water tight seal (Figure 10).

**NOTE: The use of VPC approved sealant can be used for sealing grommets and plugs.**

17. Route rear harnesses toward the threshold and tape to threshold using foam tape. Wire tie to factory harness as shown (Figure 10).



Figure 10

18. Wire tie harnesses forward along the factory harness and route along the upper side of the floor silencer pad on the passenger side (Figure 11).



Figure 11

19. Route driver side harnesses in the same fashion to the driver side kick panel.

20. Disconnect the front door opening trim weather strip LH.

21. Remove Instrument Side Panel LH (Figure 12).

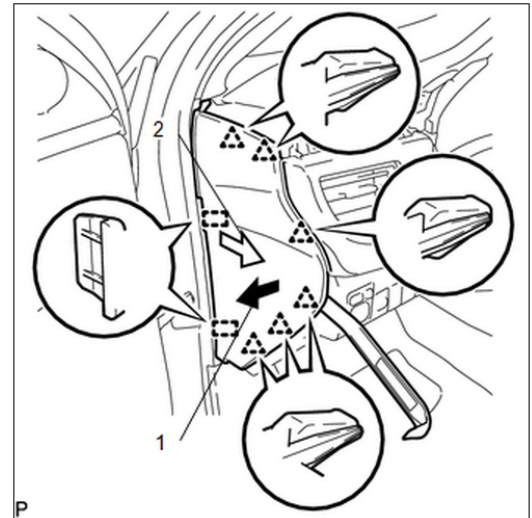


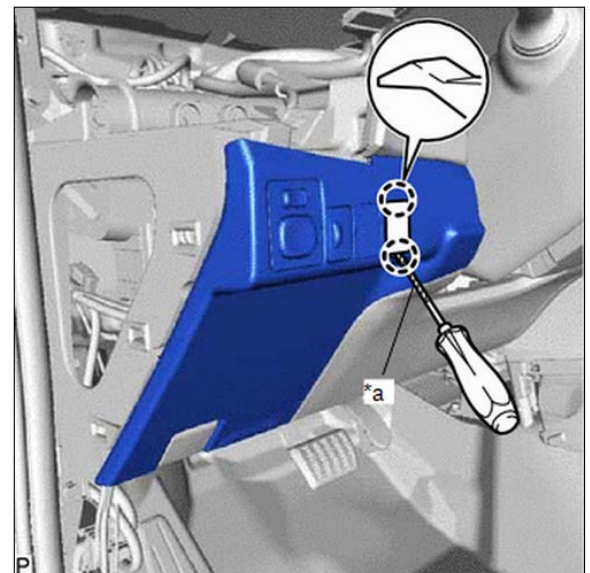
Figure 12

- (a) Using a plastic trim tool disengage the 6 clips in the direction indicated by the arrow (1) as shown in the illustration.
- (b) Pull the instrument side panel LH in the direction indicated by the arrow (2) as shown in the illustration to disengage the 2 guides and remove the instrument side panel LH.



22. Remove Fuse Box Opening Cover (Figure 13).

- (a) Using a screwdriver, disengage the 2 claws and remove the cover.



\*a Protective Tape

Figure 13

**HINT:**

Tape the screwdriver tip before use.

- (b) Remove screw (Figure 14).

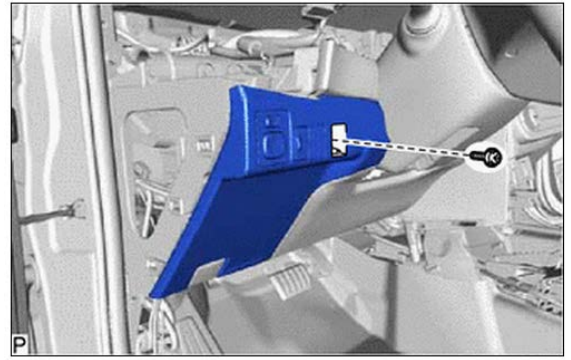


Figure 14

- (c) Disengage the 8 clips (Figure 15).

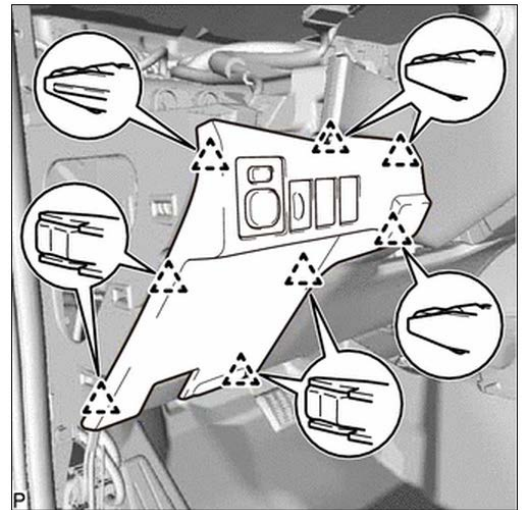


Figure 15

- (d) Disconnect each connector and remove fuse box opening cover.



### 23. Remove Lower No. 1 Instrument Panel Under Cover Sub-assembly

- (a) Remove 2 screws (Figure 16).

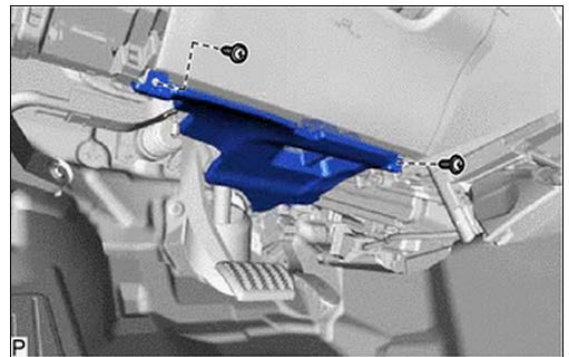


Figure 16

- (b) Disengage the claw and guide, and remove the No.1 instrument panel under cover sub-assembly (Figure 17).

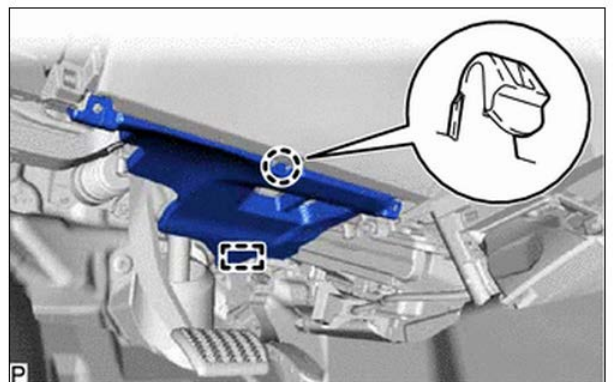


Figure 17



24. Drill a 5/8" hole in the injection release point shown in Figure 18.

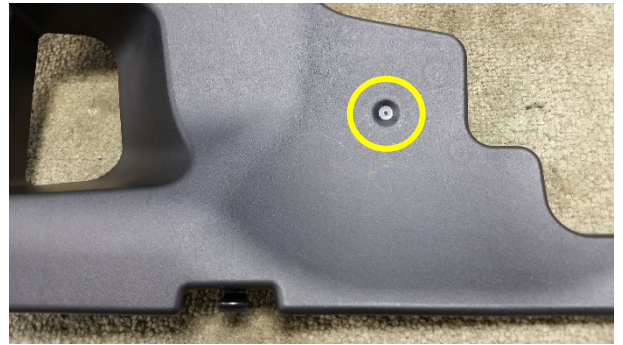


Figure 18

25. Align foot-well light with connector in hole and flat side facing seats. Using a 5/32" drill bit, drill mounting holes. Attach using included rivets.

26. Remove lower No. 2 Instrument panel under cover sub-assembly.

(a) Disengage the 3 claws and remove the No. 2 instrument panel under cover sub-assembly (Figure 19).

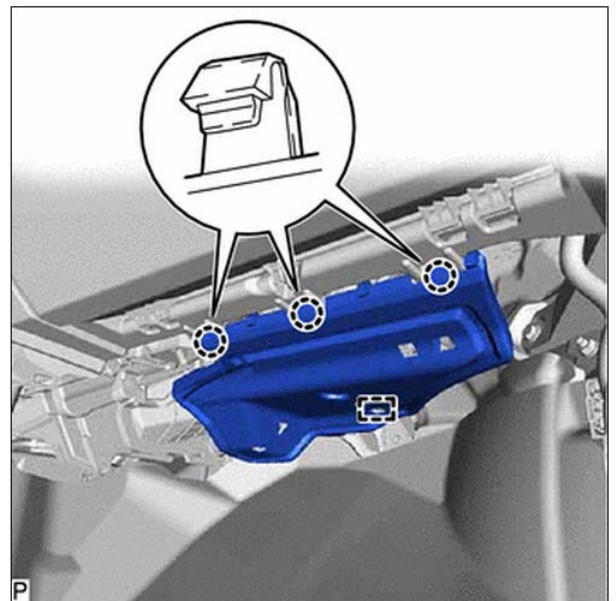


Figure 19

27. Mark location for passenger side light 4 1/2" from the back edge of the No. 2 panel and 1" from the rib, as shown in Figure 20.

28. Drill a 5/8" hole where the connector will fit and align with flat side of light facing the seat.

29. Using a 5/32" drill bit, drill mounting holes. Attach using included rivets.

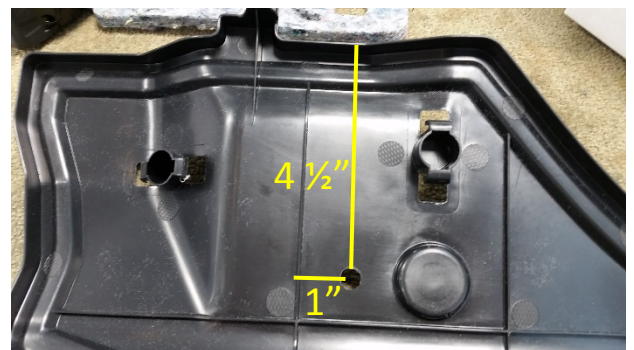


Figure 20



30. Using a Red T-tap, connect the **Red** wire from the puddle light power harness to the **Red** wire in **Pin 42** of the 3C connector at the JB (Figure 21).

31. Using a Red T-tap, connect the **Black** wire of the puddle light power harness to the **Blue** wire in **Pin 54** of the 3C connector at the JB (Figure 21).

32. Connect the **Red** wire from the foot-well harness to the red wire from the puddle light power harness. Connect the **White** wire from the foot-well harness to the white wire from the puddle light harness.

33. Using a Red T-tap, connect the **Yellow** wire to the Sky Blue wire in **Pin 38** of the 3C connector at the JB (Figure 21).

34. Using a Blue T-tap, connect the **Black** wire to the White/Black wire in **Pin 9** of the 3C connector at the JB (Figure 21).

**NOTE:** All Connectors are pin side view

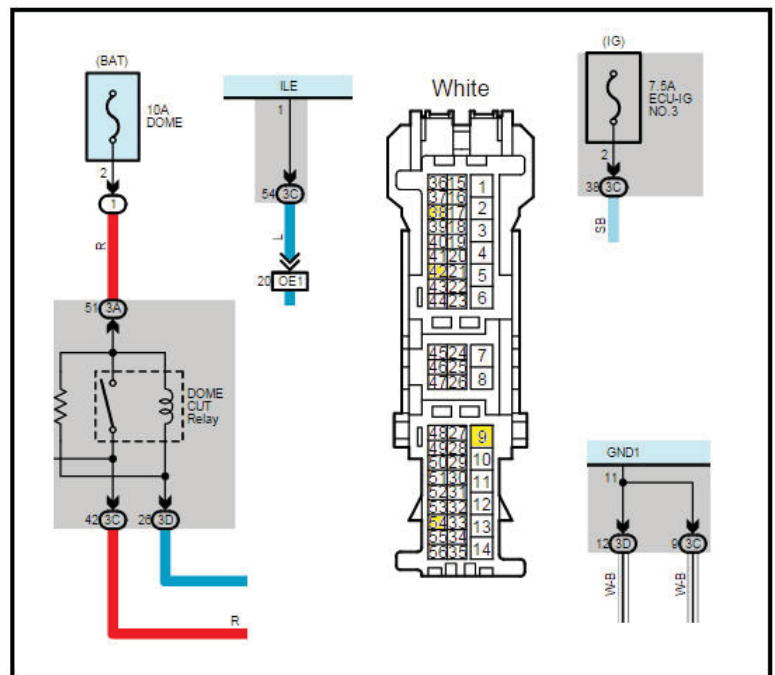
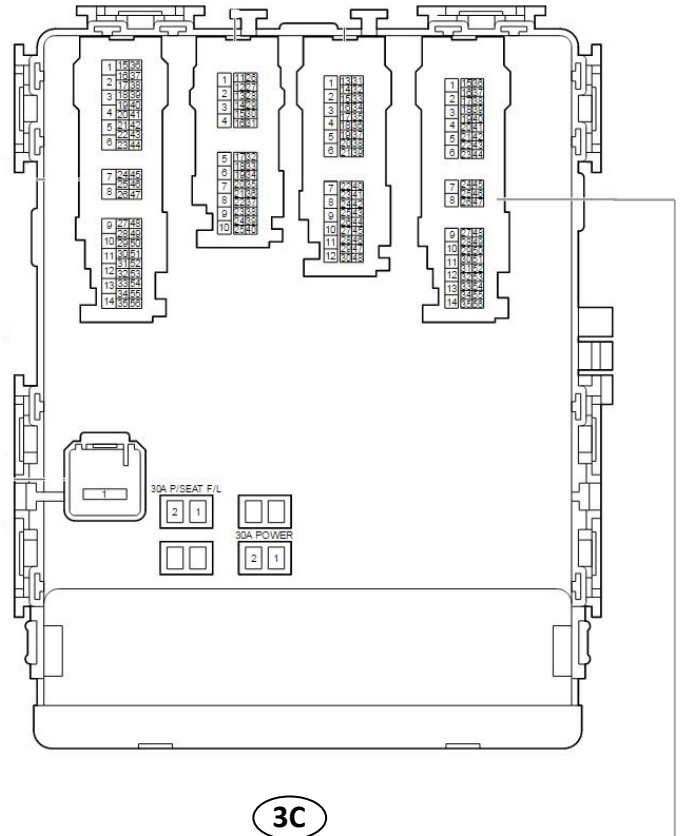


Figure 21

35. Route the long side of foot-well harness, above pedals and secure to factory wiring harness against firewall. Fish over to passenger side foot-well and connect to corresponding light. Reinstall lower garnish with attached light (Figure 23).



Figure 23

36. Route additional connector to driver side foot-well light. Connect and wire tie in place. Reinstall lower garnish with attached light.



Figure 24

37. Connect all harnesses to the control module and mount it to the factory harnesses behind Instrument Side Panel with 2 wire ties (Figure 24).

## Trunk Light Replacement Part # 00016-00064-09

### **REMOVAL**

1. REMOVE NO.1 LUGGAGE COMPARTMENT LIGHT ASSEMBLY (Figure 25).

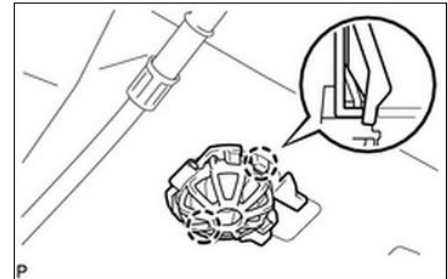


Figure 25

- (a) Disengage the 2 claws.
- (b) Disconnect the connector and remove the No. 1 luggage compartment light assembly.

2. INSTALL LED REPLACEMENT HOUSING (Figure 26).

- (a) Connect the connector to trunk light.
- (b) Insert tab end and click into place.



Figure 26



## TESTING AND REASSEMBLY



1. REINSTALL ALL TRIM PANELS IN THE ORDER OF REMOVAL TAKING SPECIAL CARE TO MAKE SURE ALL HARNESSSES AND WIRING ARE PROPERLY SECURED. MAKE SURE HARNESSSES ARE NOT PINCHED OR BOUND BY TRIM PIECES.



2. RECONNECT NEGATIVE BATTERY CABLE AND TORQUE TO 48 IN/LBS.

CHECKLIST - THESE POINTS MUST BE CHECKED TO ENSURE A QUALITY INSTALLATION

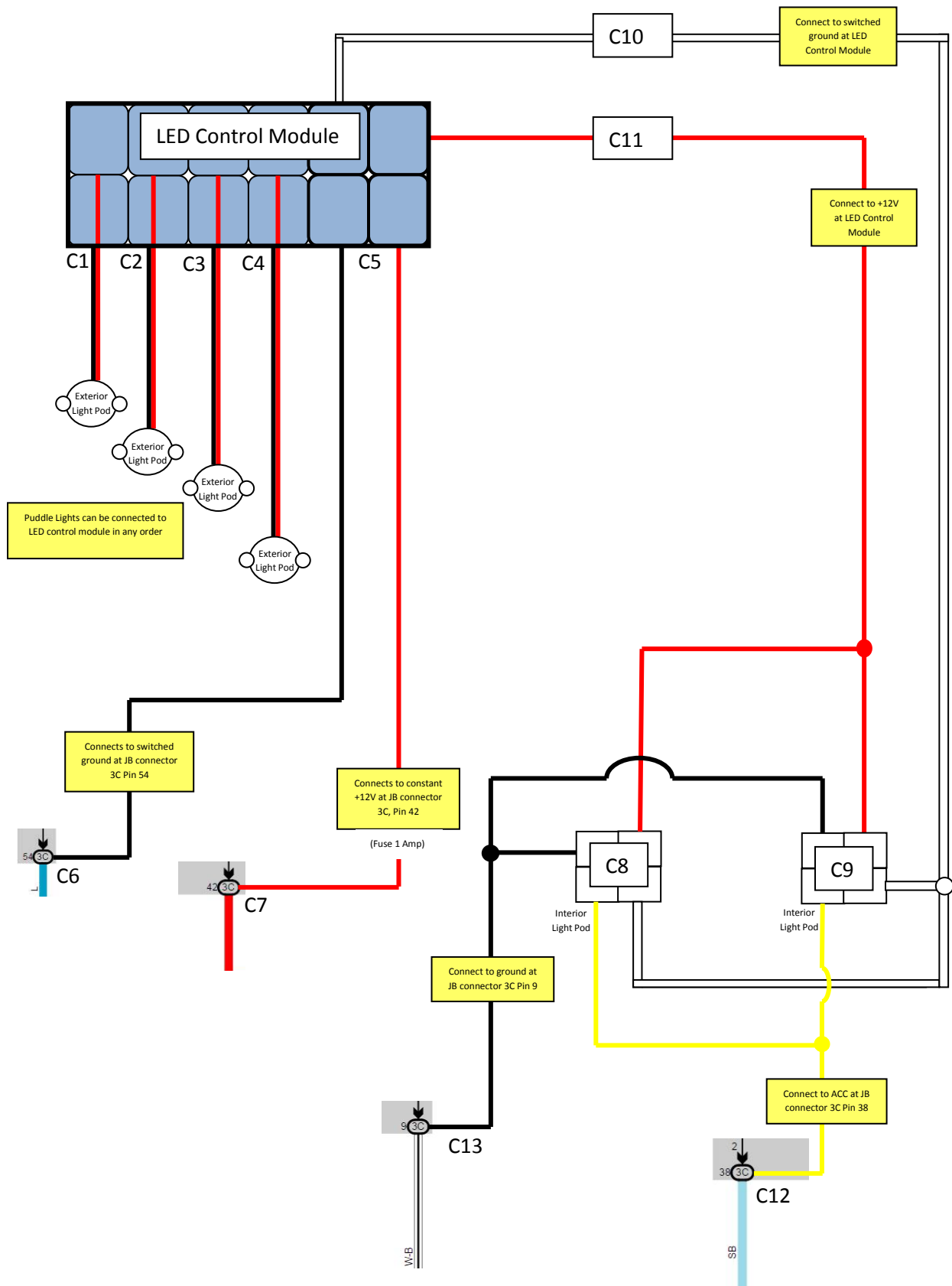
### ACCESSORY FUNCTION CHECK

	CHECK:		LOOK FOR:
	Test for Full Light condition		Close all doors and lock vehicle, do foot-well and puddle lights go out? Unlock vehicle, do foot-well lights come on full brightness? Do puddle lights come on?
	Test for Low Light condition		Start vehicle, do puddle lights go out? Do the foot-well lights dim to low level?

### VEHICLE FUNCTION CHECK

	VEHICLE FUNCTION:		VEHICLE FUNCTION DETAIL:
	IGNITION		VERIFY THAT THE VEHICLE WILL CRANK.
	SRS WARNING LIGHT		CONFIRM SRS WARNING LIGHT ILLUMINATES FOR APPROXIMATELY 6 SECONDS WITH THE IGNITION ON, AND THEN GOES OUT.

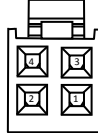
# Block Diagram Corolla Lighting Package





#### Connector C-1 thru C-4

Pin	Wire Color	Test Reference	Proper Orientation
1	Black	Pin 1 to Ground	Exterior LEDs (-)
2	Red	Pin 2 to Ground	Exterior LED (+)



#### Connector C5

Pin	Wire Color	Test Reference	Proper Operation
1	Black	Pin 1 to Ground	Approximately 0 VDC
2	Red	Pin 2 to Ground	Approximately 0 VDC when Dome Light is ON +12 VDC when Dome Light is OFF
3	White	Pin 3 to Ground	Approximately 0 VDC (when disconnected from control module)
4	Red	Pin 4 to Ground	Approximately 0 VDC (when disconnected from control module)

#### Connector C6



Pin	Wire Color	Test Reference	Proper Operation
1		Pin 1 to Ground	Approximately 0 VDC when Dome Light is ON +12 VDC when Dome Light is OFF

#### Connector C7



Pin	Wire Color	Test Reference	Proper Operation
1			+12 VDC

#### Connector C8 & C9



Pin	Wire Color	Test Reference	Proper Operation
1	Red	Pin 1 to Ground	+12 VDC
2	Black	Pin 2 to Ground	Approximately 0 VDC
3	White	Pin 3 to Ground	Approximately 0 VDC when Dome Light is ON +12 VDC when Dome Light is OFF
4	Yellow	Pin 4 to Ground	Approximately 0 VDC ignition switch OFF +12 VDC when ignition ON



**Connector C10**



Pin	Wire Color	Test Reference	Proper Operation
1	White	Pin 1 to Ground	Approximately 0 VDC when Dome Light is ON +12 VDC when Dome Light is OFF

**Connector C11**



Pin	Wire Color	Test Reference	Proper Operation
1	Red	Pin 1 to Ground	+12 VDC

**Connector C12**



Pin	Wire Color	Test Reference	Proper Operation
1	Yellow	Pin 1 to Ground	Approximately 0 VDC ignition switch OFF +12 VDC when ignition ON

**Connector C13**



Pin	Wire Color	Test Reference	Proper Operation
1	Black	Pin 1 to Ground	Approximately 0 VDC