

FITTING INSTRUCTIONS



Document Title:
FI-SA190FLK-A (LED Fog Light)

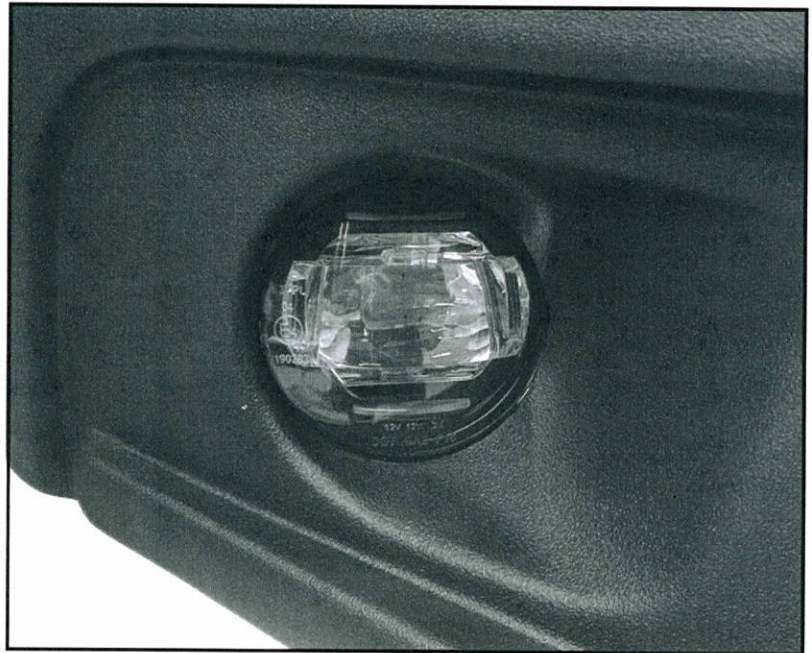
Application:
Toyota HiLux (2015+)

SA190BL190
SA190BL191
SA274BL190
SA274BL191

Model Number:
SA190-FLK


Fitting Time:
15 min

Revision:
A (11 April 2022)




SA200ALK Packing List			
Code	Description	Qty	OK
MM81160	190-FL1	2	✓
MM81105	200-FL2	2	✓
BP80557	LED FOG/DRL LIGHT KIT	2	✓
BP1145	8-15 X 15 Button Stitch Screw	8	✓
Packed By	<i>Kerrie</i>	Date	<i>17/6</i>

Tools Required

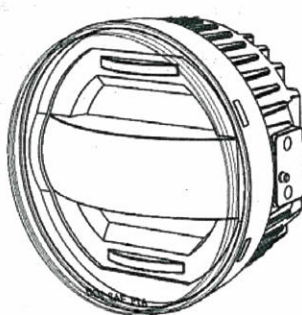


Drill, Impact Driver

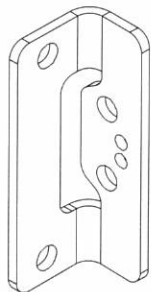


Phillips Head Drill Bit

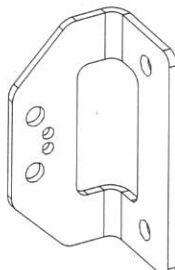
SA200FLK Overview



BP80557



190-FL1



200-FL2

Step 1: Light Installation

1.0 Mount the 200-FL2 bracket to the light using the hardware included in the fog light box - as shown.

Repeat on the other light on the opposite side.

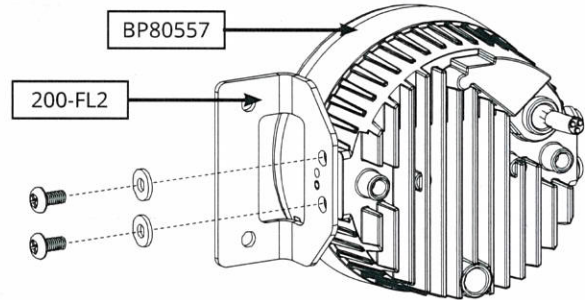
1.1 Mount the 190-FL1 bracket to the light, using the hardware provided with the fog lights.

Repeat on the other light on the opposite side.

1.2 Mount the fog lights to the bar using the hardware shown.

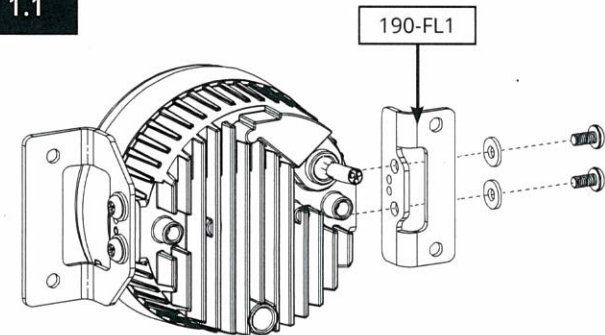
Repeat on the LHS light.

1.0



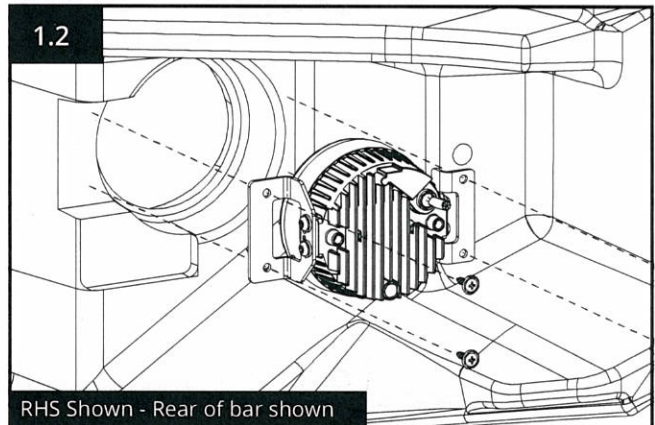
RHS Light Shown

1.1



RHS Light Shown

1.2



RHS Shown - Rear of bar shown

Fog Light Wiring Kit Installation

The set of wiring kit is only applying to the fog light sets which packed together with the wiring kit. To attach different fog lights and different vehicle, the fog light wiring kit will be different. Before starting installation, you are expected to carefully read the instructions.

1. Right tools are required to ensure proper execution of the work. Such as wrench, nippers, flat-tip screwdriver, phillips screwdriver, clip remover, shop towel, cardboard or blanket and the so on.
 2. Bind all harnesses together so that they do not move around loosely, otherwise the harnesses may break or short circuit, and accidents, electric shocks or fire may occur.
 3. When connecting the harnesses or plugs, insert the connectors firmly until they lock securely into place.
 4. Disconnect the negative \ominus terminal of the battery before installation. Make sure that lamps, air conditioner and other devices are switched off.
- NOTE:** The memories of the radio presets, clocks, etc. can be erased by disconnecting the battery cable. Write down these presets before disconnecting the battery cable.
5. Then open the hood and remove the front bumper if necessary, then install fog lights to the proper positions.
 6. Turn the steering wheel clockwise or counterclockwise. Left-hand-drive vehicle turn clockwise, right-hand-drive vehicle turn counterclockwise. Then remove the front inner fender of the driver side.
 7. Route the main wiring harness (A) through the engine room to the lamp and connect with bulb (B). Attach relay to relay connector (C) then attach black wire (Negative \ominus) of main wiring harness to frame metal parts to create a ground circuit (D). Attach red wire (Positive \oplus) of main wiring harness to Positive \oplus of the battery (E).
 8. Route the main wiring harness (A-1) through the cut grommet (F) and connect with main switch wiring harness (G).
- NOTE:** Some vehicle models may be pre-wired, then find out the correct circuit and plug it together.
9. Find an appropriate location to mount the switch. It's usually on the dashboard but some vehicle's switch position is near the hand brake.
 10. Remove the driver's dashboard lower cover if necessary, then find the power line of the parking lamp (Small lamp) (H-1) and connect with the red wire (Positive \oplus) of the main switch harness (H). Attach the black wire (Negative \ominus) of main switch wiring harness to metal frame to create a ground circuit (I). Then connect the switch (J) with switch connector (K) and put the switch to the right position.
 11. Push the fog light switch to the "ON" position. (Indicator \Rightarrow in switch light up.)
 12. The fog lights operate only in the low-beam position. Adjust the light aiming according to local laws and regulations.
 13. If the fog lights don't turn on, check the fuse (Most vehicle's fuse box is located in driver's dashboard lower cover) and all wire connectors, including the ground cable.
 14. The fog lights lenses may cloud when the outside temperature is cold. It is normal and would go away in warm weather.
 15. Do not touch the bulb with bare hand. The bulb becomes very hot during operation or just after use. Stains or greasy substances will shorten the service life of the bulb.

Illustration of Fog Light Wiring Kit Installation On Vehicle

