

# LAZER

H I G H P E R F O R M A N C E L I G H T I N G



## **VOLVO XC90**

### **ROOF MOUNTING KIT FOR VEHICLES WITH ROOF RAILS (LINEAR-42)**

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**FITTING INSTRUCTIONS**

**ANLEITUNG**

**INSTRUCTIONS**

**INSTRUCCIONES**

## TECHNICAL SUPPORT

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## WHAT'S INCLUDED

- 2x STAINLESS STEEL MOUNTING BRACKET (LH/RH)
- 1x ANTI-THEFT FASTENER SET (VARIOUS SIZES)
- 1x SPACER SET (VARIOUS SIZES)
- 4x RIVETS
- 2x CABLE GROMMET
- 1x VHB CLEANING SACHET
- 2x BUTT CONNECTORS

## DIFFICULTY LEVEL



## TOOLS REQUIRED



DRILL BIT  
6MM / 9MM



METRIC  
SOCKET SET



WIRE STRIPPERS  
AND RATCHET CRIMPERS



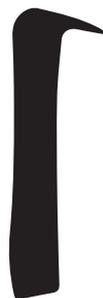
WIRE CUTTERS



ALLEN KEY  
SIZE: 5



PHILLIPS / T-25 TORX  
SCREWDRIVER



PLASTIC  
TRIM TOOLS



RIVET GUN

## PRE-INSTALLATION CHECKS

Ensure battery is disconnected.

## HEADLINING REMOVAL



### STEP 1



Remove 'A' pillar bolt cover and undo 8mm bolt.



### STEP 2

Remove 'A' pillar covers on both sides of the vehicle.



### STEP 3

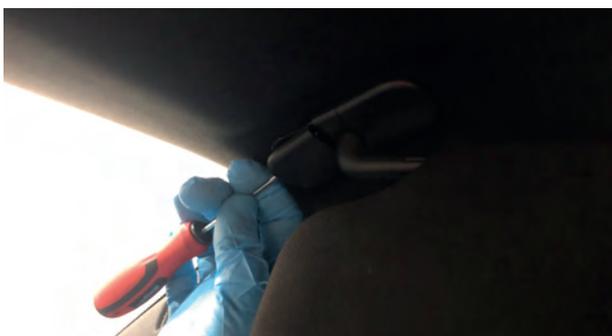
Un-clip sun visors.



### STEP 4



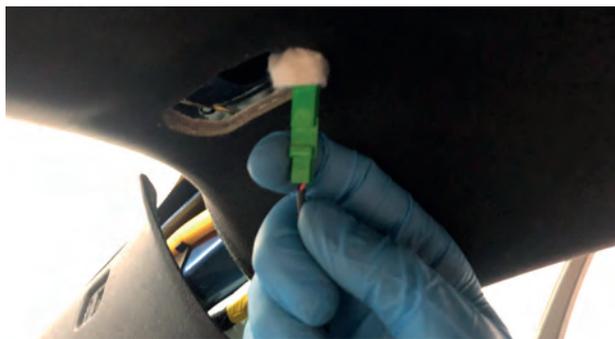
On both sides of the vehicle, remove the retaining clip and then remove the sun visor hook.



### STEP 5

Remove the cover from the sun visor swing arm.

## HEADLINING REMOVAL CONTINUED



### STEP 6



Undo the 2x 7mm bolts and unplug the sunvisors.



### STEP 7

At the rear view mirror, remove the smaller centre trim first.



### STEP 8

Remove the larger trim behind the mirror.



### STEP 9

Pull the front of the interior light panel down first.



### STEP 10



Pull the centre of the interior light panel down and unplug and remove.

## HEADLINING REMOVAL CONTINUED



### STEP 11

Remove the 3x T25 screws above the rear view mirror going into the roof.



### STEP 12



Using a small flat blade screwdriver, pull down the bolt cover and undo the 2x 8mm bolts.

Remove both front and rear grab handles.



### STEP 13

Remove the coat hooks on both sides in the rear seat area.



### STEP 14

Pull the headlining forward of the 'B' pillar trim.



### STEP 15

In the boot, remove the bolt cover and the 8mm bolt holding in the C-Pillar.

## HEADLINING REMOVAL CONTINUED



### STEP 16

Pull the 'C' pillar trim from the bottom and slide down to remove.



### STEP 17



Pull and remove the rear plastic hook trim.



### STEP 18

Pull down the rear of the headlining which is retained by velcro.



### STEP 19

Pull down the front of the headlining which is also retained by velcro.

## MOUNTING YOUR LIGHT



### STEP 1



You can now access the 5x 10mm bolts (per roof rail) to remove the roof rails, remove the bolts:  
 2x Front, 1x Middle, 2x Rear



### STEP 2

Measure 150mm from the front of the roof rail.



### STEP 3

Drill the front 5mm rivet pilot hole only and fix the bracket to the roof rail using a rivet gun.



### STEP 4

Temporarily re-fit the roof rails and mount the light to establish where to mark the rear bracket mounting hole.



### STEP 5

Brackets will be able to swing up and down to get the desired height, depending on what light is being mounted to the vehicle.

10mm is the optimum clearance.

## MOUNTING YOUR LIGHT CONTINUED



### STEP 6

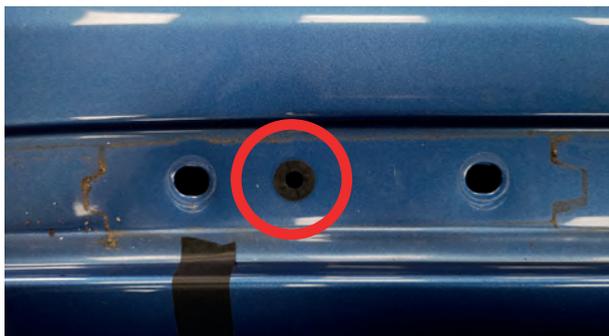
Once desired height is reached, drill the rear rivet 5mm pilot hole through the bracket and roof rail.



### STEP 7

Using a rivet gun, secure the roof mounting brackets in place.

## WIRING (PART 1)



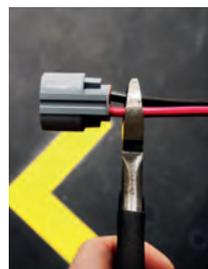
### STEP 1

Drill a 9mm hole through the vehicle roof and the left roof rail, 45mm from the front left roof rail mounting hole.

Insert grommet in drilled hole.



### STEP 2



Remove the connector from the lamp, and feed the cable through the roof rail and down into the vehicles headlining, utilising the supplied cable grommets. It is recommended to use the VHB wipes to prepare the surface around the cable entry/grommets, before applying sealant to further prevent any water ingress.

**WIRING (PART 2) - WITH SWITCH, NON E-MARKED LAMPS (TRIPLE-R 24)**



**STEP 1**

Install the relay close to the battery and connect the live and earth to the battery.



**STEP 2**

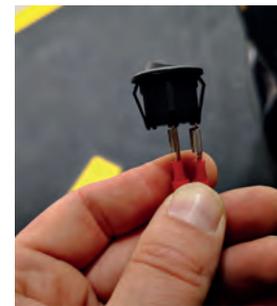


Remove Switch from the crimp terminals and cut of the lamp connector from the wiring harness.

Then route these wires through the cable grommet (we reccommend sealing with sealant).



**STEP 3**



Reconnect switch to crimp terminals and locate a suitable place for mounting the switch, you will need to drill a 20mm hole to facilitate the switch. Suggested location shown (side of the steering wheel).

**For next steps please see - Wiring (Part 3)**

**WIRING (PART 2) - WITH SPLICE, E-MARKED LAMPS (LINEAR-42)**

For vehicles that do not produce a constant 12v signal from the back of the headlight will require a CanM8 High Beam interface to control the signals.

Please see our youtube channel, or scan the QR code for more information regarding install of the CanM8 interface.



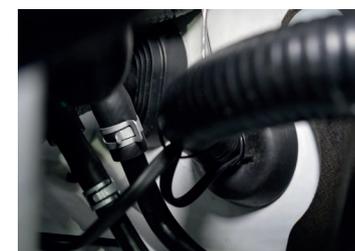
**STEP 1**



Install the relay and connect the live and earth to the battery, the high beam trigger is taken from the back of the headlight.



**STEP 2**



Route the lamp wiring through the factory grommet, make sure a drip loop is made with the cable to prevent water ingress. The cable will fall into the left footwell.

**WIRING (PART 3)****STEP 1**

Route the harness lamp cable up the A-pillar while securing with cable ties.

**STEP 2**

Connect the the wiring harness to the lamps harness using the supplied heat-shrink butt splices.

**INSTALLATION CHECKS**

Test light bar is working fully before re-assembling vehicle.

**LAZER**  
HIGH PERFORMANCE LIGHTING

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**Merci pour choisir un produit de Lazer Lamps.**  
**Gracias por la seleccion de productos de Lazer Lamps.**