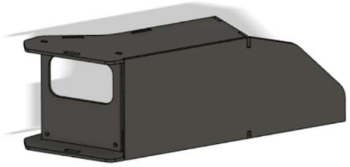
# 2022+ FORD RANGER BLIND SPOT MONITER (BLIS) REMOUNT KIT

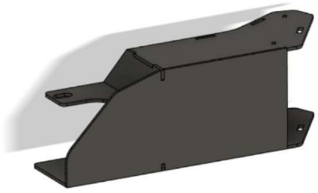
PART NO: BSB041

Design owned by FLUX3D

Information and Instructions

Rev 1





Please read entire guide before attempting fit of this remount system

(Sensor Modules not included)

By fitting this kit, you take all responsibility for use and operation of the BLIS / Active Park System

Any modifications made to this bracket system will fall outside of Flux3D's design intent will not be covered under warranty or supported by Flux3D

For support please contact :-

sales@flux.net.au

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# 2022+ FORD RANGER BLIND SPOT MONITER (BLIS) REMOUNT KIT

This Kit is designed to relocate the Factory Blindspot (BLIS) warning modules from the inside of the rear taillights when fitting a genuine or aftermarket tray.

This kit has been designed so no calibrations should be needed once fitted to the vehicle.

Installation will require the use of a factory towbar or factory mounting brackets used to hold the genuine Ford Ranger rear step.

Current fitment will require the taillights to be opened and subsequently destroyed to retrieve the wiring harness located inside the taillight.

Kit Contents

| | |
|---|---|
| 2x BSB041 Powder Coated Steel brackets<br>2xBSB041P Plastic Sensor Covers<br>2xBSB041P Plastic Sensor Retainers (Slim)<br>2xBSB041P Plastic Sensor Retainers (Wide) | 2xM12 x 30 High tensile bolt<br>2xM12 Nylock Nut<br>2xM12 Washer<br>2xM8 x 25 High tensile bolt<br>2xM8 Nylock Nut<br>2xM8 Washer<br>8x 16G Self Tapping Phillips Screw<br>4xM3x10 Cap Head bolt |

WARNING: Sensors and taillight wiring looms are configured as a Left and Right Set, do not mix them up. If they are installed on the wrong side of the vehicle the system will not operate as intended.

WARNING: Do not drop the BLIS Radar Modules, doing so will damage their internals and will render them inoperable.

WARNING: If you need to extend the wiring harness for the BLIS system do not cut all the wires at the same time. Extend them 1 by 1.

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## Removal of BLIS Module and taillight loom

1. Remove taillight from tub
2. Locate the access panel on the rear of the taillight (Image 1)
3. Remove 3 torx screws holding access panel
4. Unplug BLIS module and store in safe place
5. Split the taillight open or cut open the rear of the taillight. (Image 2)
6. Remove taillight Harness from taillight assembly
7. There will be a number of circuit boards inside the taillight, Ignore these as they driver and LED boards
8. Inspect the removed loom for damage that may have occurred during the removal process
9. Remove BLIS module from factory retaining bracket.

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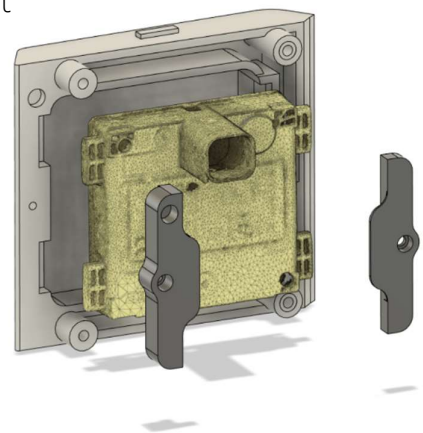
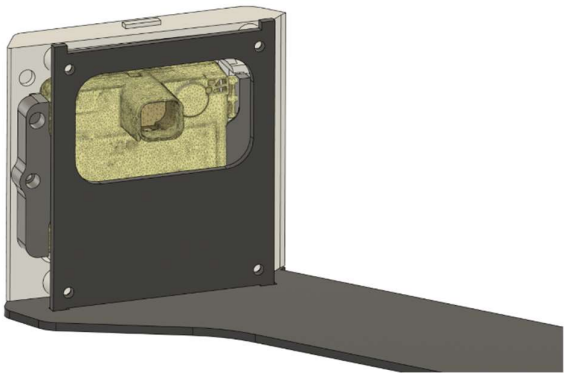
## Fitting BLIS module to BSB041P

(Instructions are for the Drivers Side Module, Mirror Operation for Passenger Side)

There is an identifier circle on the top left of the bracket this faces the outside of the vehicle (rear wheel).



1. Place the BLIS module into the bracket as shown in Image 1
2. The BLIS module is held in using the supplied retaining clamps. Line up the Identifier Circles (Wide Clamp to outside of vehicle)
3. Use the supplied M3x10 to affix the retaining clamps to the Sensor Covers
4. Slide the now completed assembly into the steel bracket Image 2
5. Use 4x 16G self-tapping screws to affix plastic cover to metal bracket.



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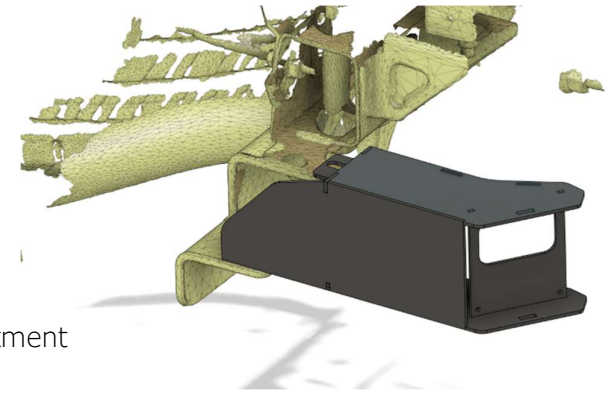
## Fitting Completed BSB041 Assembly to Vehicle

BSB041 mounts to the factory step location, please make sure nothing hangs in front of the assembly such as numberplates or taillight protectors.

Use the provided M12 fasteners to attach the assembly to the lower mount

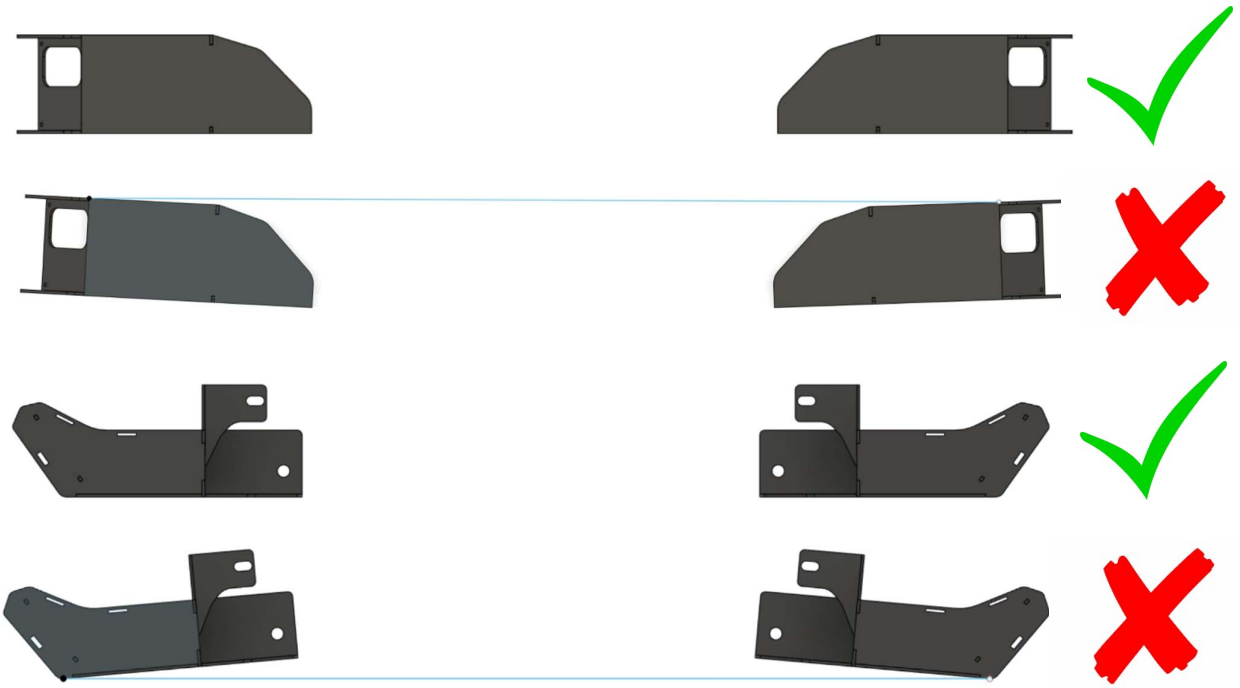
Use the provided M8 fasteners to attach the assembly to the upper mount.



Do not tighten top mount as some adjustment may need to happen.

The BSB041 assemblies need to be aligned with each other, this is achieved with a straight edge run between both units.

Below are examples of correct and incorrect fitment.



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## Wiring Checks and Taillight hook-up

BLIS modules can be sensitive to the taillight hookup as the wiring is shared between the Stop/Tail Circuit and the BLIS sensor.

There are 2 wiring methods currently available.

Our preferred method is to use the high mount taillight circuit and the number plate lights circuit for your stop and taillights, this will eliminate any chance of signal interference from any aftermarket taillight.

The other method is to use the 2 pin JST connector located in the BLIS loom.

The 2 wires in this connector is a shared ground to the BLIS module and a single stop/tail wire.

3 volts is tail circuit
12 volts is stop circuit

Only certain taillights can work with this setup, and some may cause back feeding into the BLIS module causing error codes and failures.

## WARNING: DO NOT FIT LOAD RESISTORS TO THIS CIRCUIT AS IT WILL CAUSE BLIS FAILURE!

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## Finished Installs