

## Instruction Manual

### Please Read Before Installing

Machina products are engineered for precision and durability, and we strongly recommend installation by a qualified motorcycle technician.

If you are unsure of your ability to correctly install this product, please have it fitted by an authorized motorcycle service center or professional mechanic.

Machina is not responsible for any damage or malfunction resulting from improper installation.

#### ⚠ Important Installation Notice (Electronics & Wiring):

When installing electrical components, special care must be taken with wire routing—especially when mounting products near the front fender, front forks, handlebars, or fairing.

Before finalizing installation:

- Turn the handlebars fully left and fully right
- Fully compress the front suspension
- Ensure all wires have adequate slack
- Confirm that no wires are pinched, stretched, or binding

Proper routing is essential to ensure safe operation, long-term reliability, and optimal performance of your Machina product.

### Light Mounting Kit BMW R1300GS 2024+

LAH.07.11600

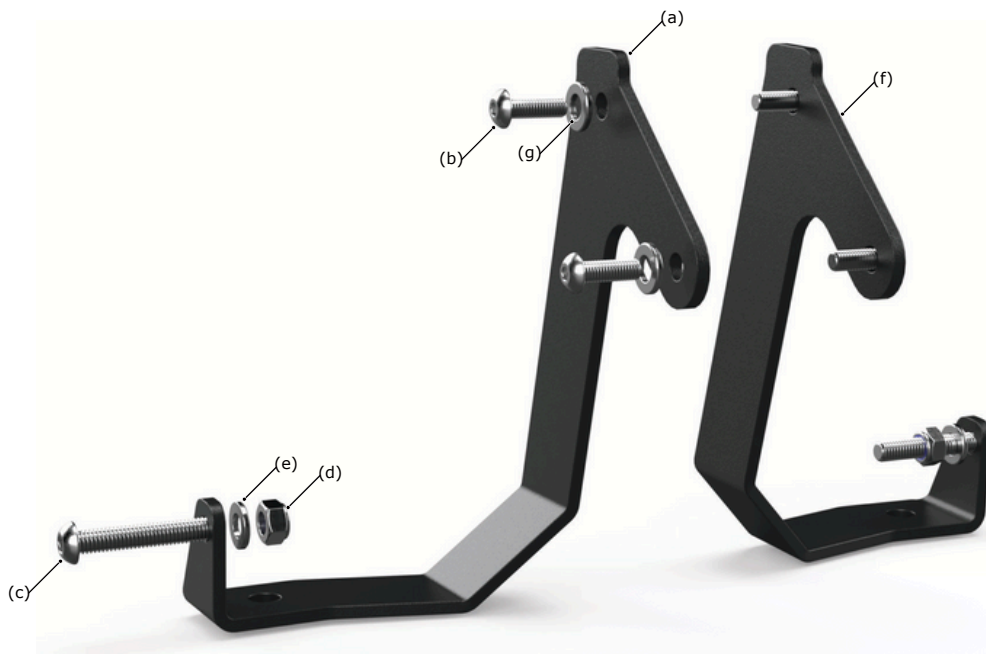
#### Installation Tips

We strongly recommend using medium strength liquid thread locker on all screws,

nuts, and bolts. It is also important to ensure that all hardware is tightened to the proper torque specifications as listed in your owner's manual. For included accessory hardware please refer to the default torque specifications provided below. Inspect all hardware after the first 30 miles to ensure proper torque specifications are maintained.

BoltSize	in-lbs	ft-lbs	Nm
M3	10.0 in-lbs 23.0 in-lbs	-	1.0 Nm
M5	44.5 in-lbs	3.5 ft-lbs	5.0 Nm
M6	78.0 in-lbs	6.5 ft-lbs	9.0 Nm
M8	-	13.5 ft-lbs	18.0 Nm
M10	-	30.0 ft-lbs	41.0 Nm
M12	-	52.0 ft-lbs	71.0 Nm

## What's In The Box?

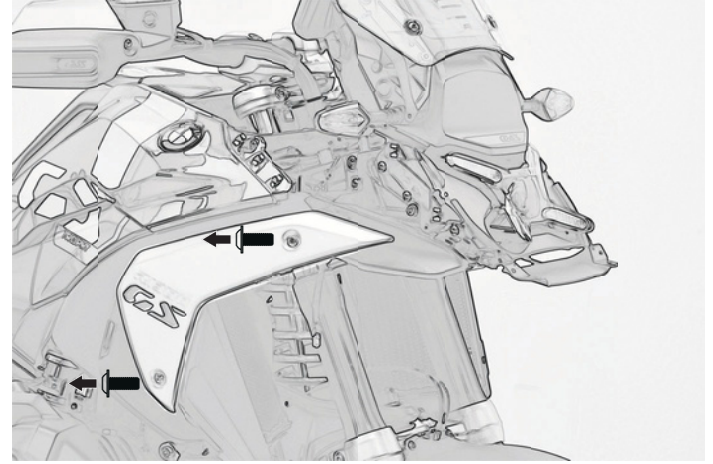
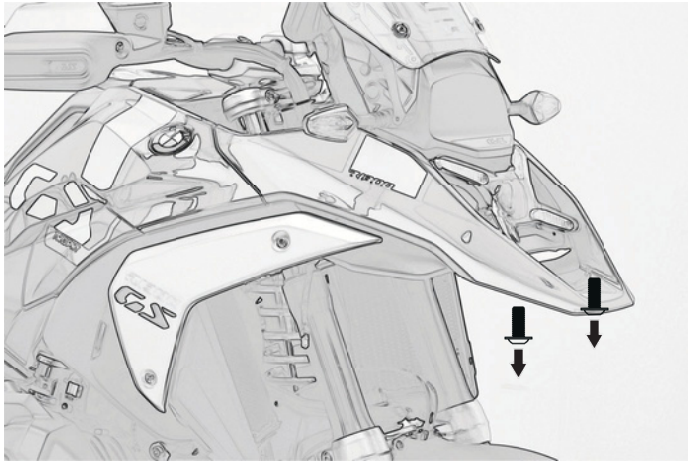


### Kit Contents

- (a) RHS Mounting Bracket.....(LAH.07.11600-02).....Qty 1
- (b) M5 x 16MM Bolt.....Qty 4
- (c) M6 x 35MM Bolt.....Qty 2
- (d) M6 Nylon locking Nut.....Qty 2

- (e) M6 Washer.....Qty 2
- (f) LHS Mounting Bracket.....(LAH.07.11600-01).....Qty 1
- (g) M5 Washer.....Qty 4

**Tools:** 4mm Hex Drive, T25 Torx Drive.....

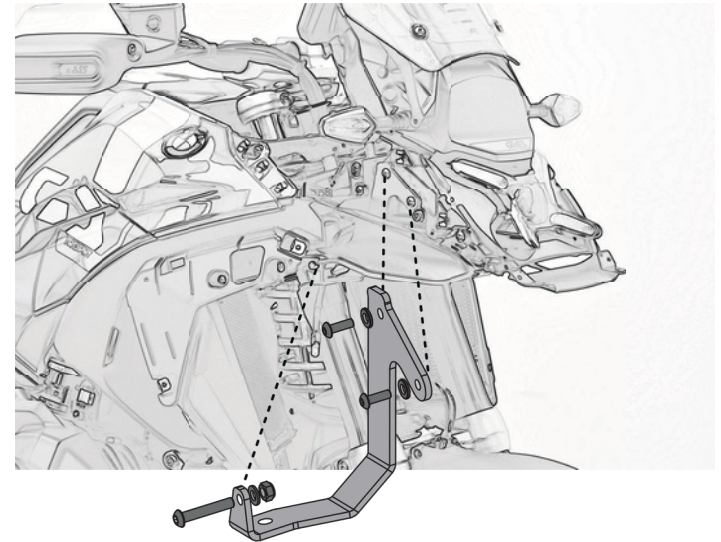
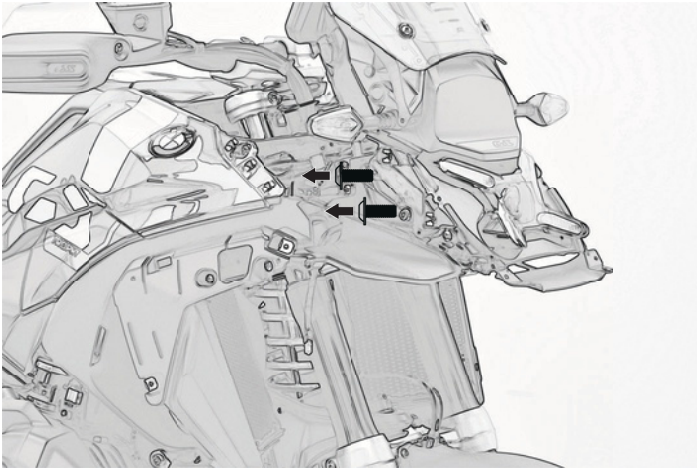


## 1.1 - Removing the Front Fairing

**Step One:** the front nose fairing of the bike must be removed. To do this, gently pull outwards on each side of the fairing to pop it from its retaining clips. It helps to pull right where the front fairing meets the side fairings. **Step Two:** Once the sides of the fairings are popped free, there are two pop-clips at the very front of the bike under the fairing that will need to be removed. **Step Three:** once these clips are removed, the front fairing is can be pulled forward off the bike to be removed.

## 1.2 - Removing the Lower Side Fairings

**Step Four:** The lower side Fairings will also need to be removed, to do this, remove two T-25 TORX drive screws on each fairing, and pull outward to pop them off.



## 1.3 - Relocating OEM Harness

**Note:** Once the side fairings are removed, all mounting points for the brackets can now be accessed. **Note:** On the throttle side of the bike, the bike's ambient temp sensor is mounted under the headlight. The wiring harness for this will be in the way of mounting the light brackets. **Step Five:** To move the wiring harness out of the way, simply pop the wire clip off its mount, and move it to the opposite side. **Note:** If the bike is equipped with the OEM fog light package, perform step five on both the throttle side and clutch side.

## 1.4 - Installing the Light Brackets

**Step Six:** To install the light brackets, remove the two T25 Torx drivescrews on each side from the headlight shroud.

**Step Seven:** Slide the brackets up between the headlight housing and the air intake and fasten bracket to the headlight housing using the included M5 hardware. **Step Eight:** Use the included M6 hardware to fasten the bottom of the mount to the OEM fog light mount.