

# CM-1 Case Mount Installation Instructions

Revised 11.20.2012

## OFF-ROAD USE ONLY

*Note: If you purchased the CM-2 License Adapter, install it first.*

### Tools required:

- 13mm open/box end wrench
- 13mm deep socket & socket wrench
- 3/8" or 10mm socket or box end wrench
- Torque wrench (optional)
- Flat blade screwdriver
- #2 Phillips screwdriver
- M8x1.25 tap (optional)
- Medium strength thread locking compound (Blue)

### Included with your CM-1 will be a small package of hardware:

- (1) Lanyard with safety pin, attached to a key ring
- (2) M8 mounting studs, long
- (2) M8 mounting studs, short
- (2) M8 nylock nuts
- (2) small aluminum shim washers
- (8) 1" (25mm) long screws, washers, & locknuts

1. Clean off the dirt that should be under the tail of any proper Avventurosa Multistrada, and locate two threaded bosses in the bottom of the frame, directly above the passenger footpegs. If you have access to a M8x1.25 tap, run it up through the bosses to clean up the threads. Thread the SHORTER M8 mounting studs up into the bosses, then snug them with the 13mm wrench. *Do not use locking compound or torque them at this time.*

2. Put the LONGER M8 mounting studs through the horizontal holes in the rear lower frame, and snug them in place with the M8 locknuts, using both your 13mm wrenches. Note the orientation of the hole in the end of the stud, it should be roughly parallel with the main frame tubes. Torque the M8 nut to a maximum of 20Nm (15 ft/lbs).



3. Take the left hand case mount (leaving the crossbar latched for now) and slide it onto the rear stud first, then hinge it up so the forward mount stud goes through the hole in the case mount. Note that there are two 'bow tie' cotter pins on different-length lanyards; put the longer one through the rear mount, and the shorter through the front. Repeat the same process for the right side.

4. Now, you need to check the orientation of the forward mounting stud's holes. If you can put the 'bow tie' cotter pin in each one (especially without touching the exhaust pipe), you're good to go. If not, remove the stud, slip one of the small aluminum shims on and re-install the stud. If it still doesn't orient properly, try switching the studs side-to-side and mixing the shims. Remove, apply locking compound to the threads, and re-install. Torque to a maximum of 20Nm (15 ft/lbs).



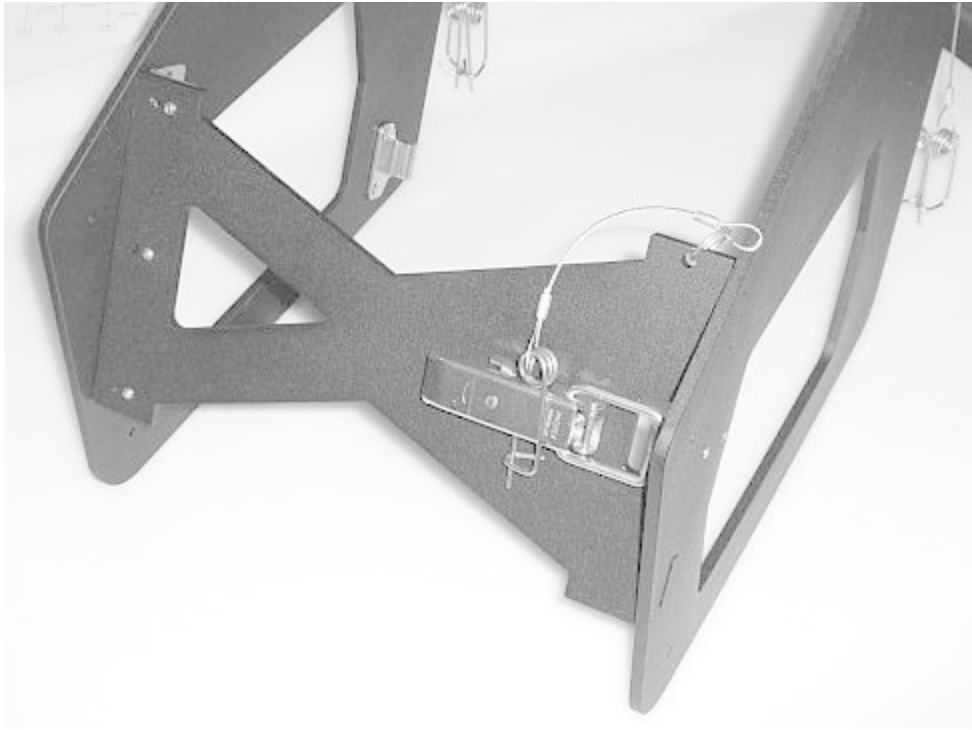
*The safety pins in the above photo have been superseded by 'bow tie' cotter pins, which are far easier to use, very secure, and more robust.*

5. Remove all the 'bow tie' cotter pins, and remove the case mounts. Note that the main latch has a safety catch on it to prevent accidental opening. Press the catch, release the latch, and swing the X-brace open. Re-install the left case mount onto the bike, holding the x brace open, letting it rest on the rear tire while you install the safety pins. Install the right side case mount & pins. Swing the X-brace up to the right side case mount and slide the tabs into the corresponding slots. Loop the latch ring over the stainless tab, then snap the latch closed.

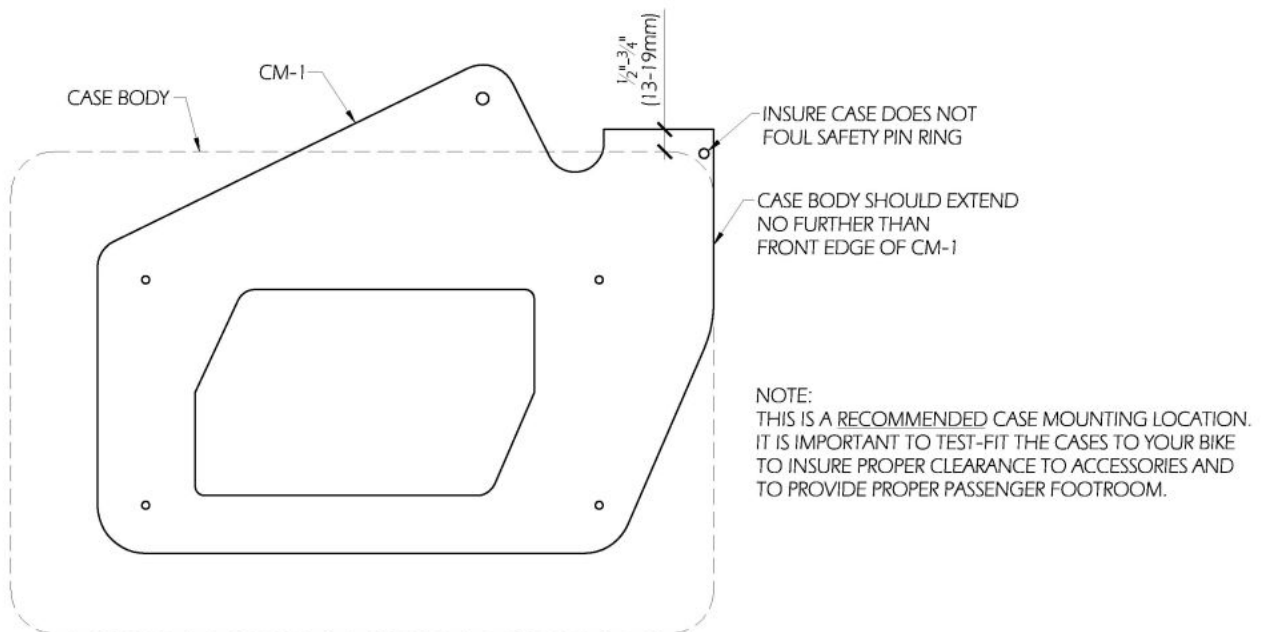
6. The latch is adjustable, and is shipped loose. Move it to the middle of its travel, snug the nuts, and see if it pulls everything tight when latched. Adjust either looser or tighter as needed. Note that there is some tension when closing the latch; this is a design feature to eliminate any rattle while on the bike.

**It is absolutely necessary that when on the bike, you verify that the latch is fully closed and the catch is engaged. Pull up on the latch every time you close it to check!!!**

For this reason, I've provided an optional lanyard and safety pin. Using a flat blade screwdriver, pry one end of the key ring open, and loop it through the hole provided in the top of the X brace. If the latch is properly secured, you should be able to put the safety pin through the holes in the catch like so:



7. The eight 1" (25mm) long screws, washers, & locknuts are provided to mount the case of your choice to your CM-1. Put the screws and washers on the *inside* of your case, and the locknuts on the CM-1 side (*except you'll need to reverse them at the hole nearest the catch.*) There are four holes already provided in each side of the CM-1 which can be used as a pattern for holes into your cases. When deciding a case mounting position, I strongly recommend that you keep the case a minimum of 6-7" behind the passenger pegs so you don't impede their footroom. Here is a recommended case mounting position:



I welcome feedback... if you have a problem or suggestion, please e-mail me at [sailwa66@gmail.com](mailto:sailwa66@gmail.com)

Thanks again, and enjoy the ride, TD Graham