



# ROSSWULF

Thank you for purchasing AN fittings, Hose, Adapters, Banjos or Quick Brake Light Switch Conversion from Ross Wulf. The following are basic instructions on how to properly install pipe thread fittings (NPT) and metric straight/tapered fittings.

## NPT

Any fitting with a "Pipe Thread" or "NPT" designation from Ross Wulf is a tapered thread that requires sealant to create a sealed joint. The taper on the fitting will progressively get tighter as the fitting is threaded in – it's important to note that over tightening an NPT fitting will likely cause damage to female side of the joint. NPT fittings do not generally bottom out or flush mount. Please take note of the following procedures when installing any NPT fitting:

1. Clean the male and female threads and make sure that there are no burrs or nicks
2. Verify that the male and female threads are match using a thread standard gauge
3. Screw in the fitting until it is hand tight and count the remaining visible threads
4. Remove the fitting and apply a thin coating of Loctite 592 sealant to the threads
5. Screw in the fitting back to the original hand tight position noting the same number of exposed threads as the dry fit
6. Use appropriate wrench to tighten the fitting. This should be 1.5 turns minimum, and 3 turns maximum.

## Ross Wulf Metric Male Fittings

These fittings thread flush to the surface and use a crush washer or o-ring seal on the male end to assist in sealing the joint. Sealant is not required on these fittings, but Ross Wulf recommends using a small amount of Loctite 545 on these connections to ensure a total seal. It's important to note that not all metric joints are straight and there wasn't a specific standard for the taper to be on the male or female side – special care must be taken if there is a metric tapered thread involved. Please note the following procedures when installing Ross Wulf metric fittings

1. Clean the male and female threads and make sure that there are no burrs or nicks
2. Verify that the male and female threads are match using a thread standard gauge
3. Thread in the fitting to make sure the fitting threads completely. If the thread catches before it threads completely there is likely a taper involved, and you will have to refer to the NPT instructions above.
4. Install o-ring or crush washer and a small amount of Loctite 545. Thread fitting until the o-ring or washer is engaged (sometimes fitting require a double up of crush washers to seat properly)

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