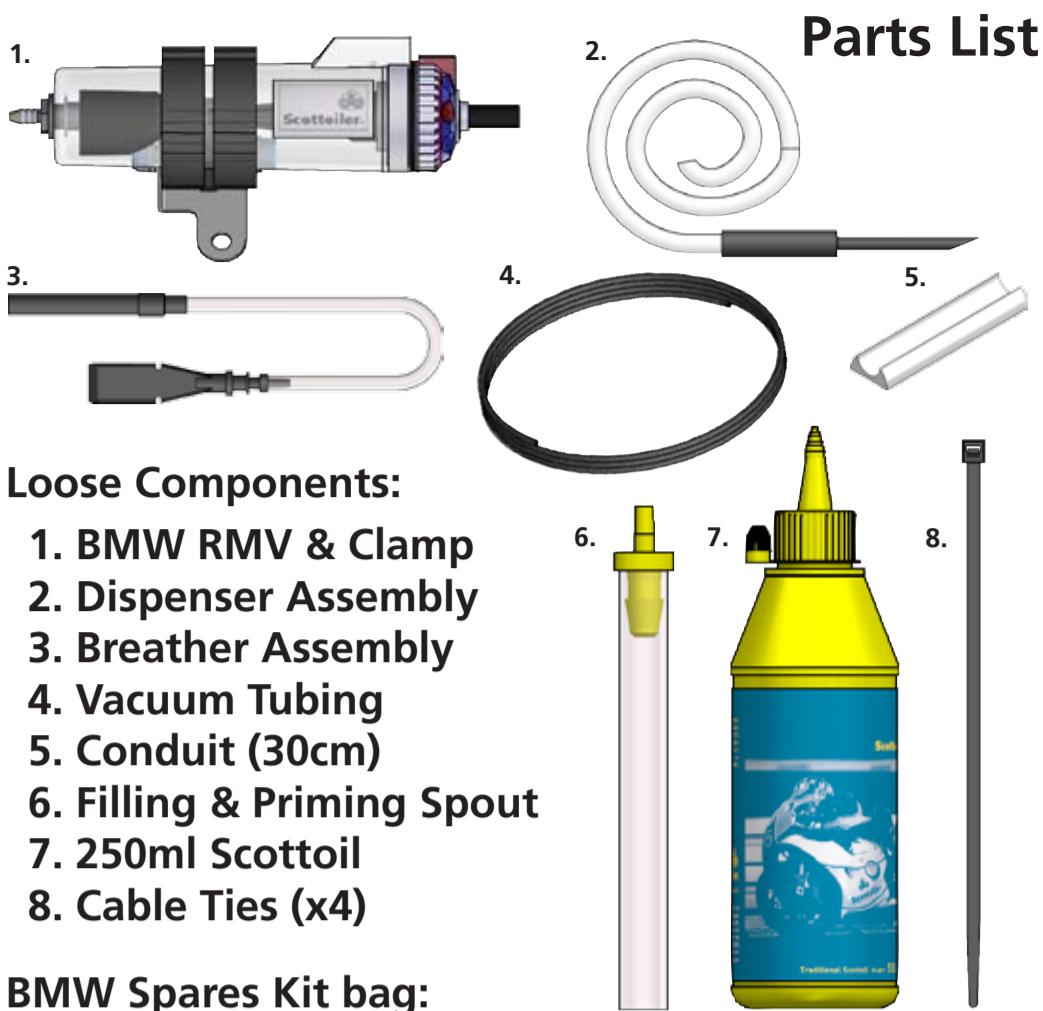


## Parts List



**Loose Components:**

1. BMW RMV & Clamp
2. Dispenser Assembly
3. Breather Assembly
4. Vacuum Tubing
5. Conduit (30cm)
6. Filling & Priming Spout
7. 250ml Scottoil
8. Cable Ties (x4)

### BMW Spares Kit bag:

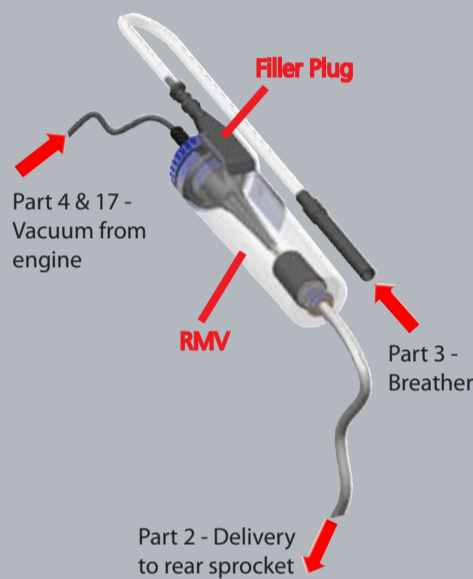
9. M6 Nyloc Nut
10. Dispenser Plate
11. Dispenser Plate Clip
12. M6 washer (x2)
13. M6 Socket Screw
14. Sandpaper
15. Instant Adhesive
16. Spare Nibs (x2)
17. BMW Vacuum Damper



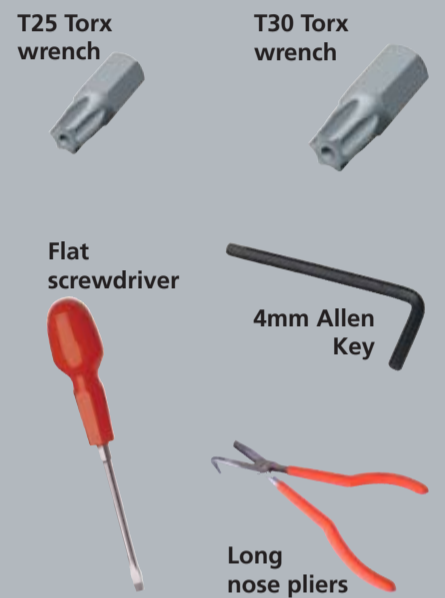
## Locations



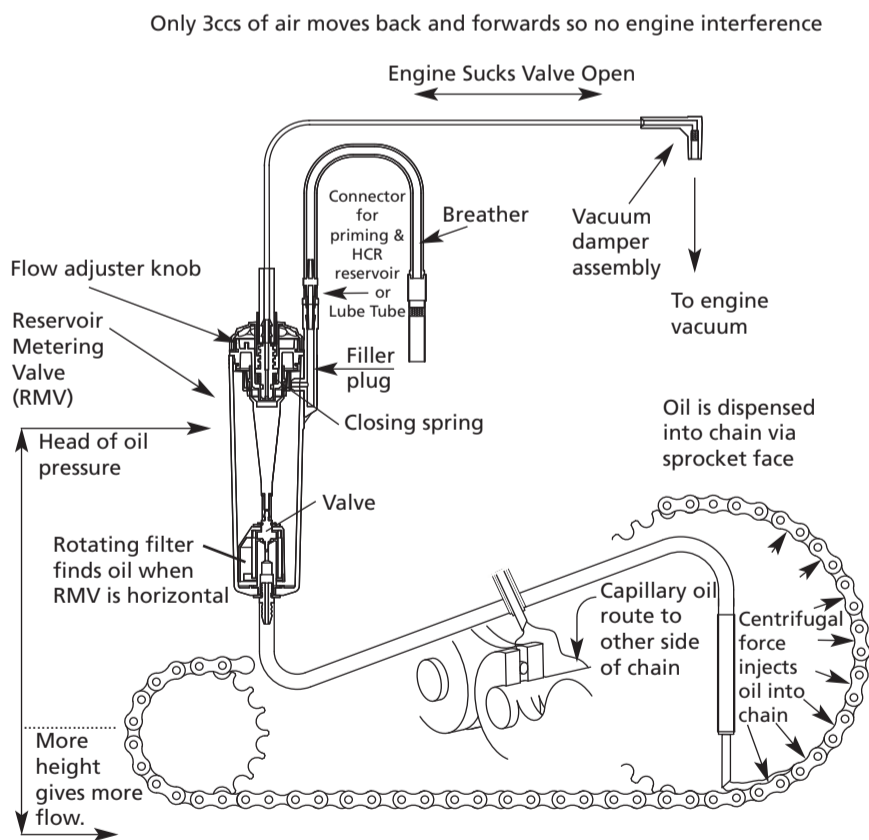
## Connections



## Tools Required



## How It Works



**How does the Scottailer work?** The Scottailer vSystem is vacuum operated. When the motorcycle engine is running vacuum is generated, this lifts a diaphragm which in turn opens the valve. Whilst open the valve allows oil to drip feed under gravity down the delivery tube to the chain via the rear sprocket. There is metering built into the valve to provide adjustment to control the rate at which oil is dispensed. It is not a pump.

**How does this affect the engine?** It doesn't. The Scottailer's output is not affected by engine speed, throttle opening and so on. The vacuum chamber is a sealed unit and does not affect the running of the bike. Upon starting the engine the valve will open, this requires 3cc of air to be moved in order to lift the diaphragm, which stays up until the engine is switched off. It is not unusual to see the diaphragm pulsating with very low revs, particularly on singles and twins, don't confuse this for a pumping action, it is not a pump.

## Frequently Asked Questions (FAQ's)

- 1. Which products are suitable for my bike?** Visit our website [www.scottoiler.com](http://www.scottoiler.com) and select your bike 'Manufacturer' and 'Model'. Select the kit you want and download the installation guide PDF.
- 2. What oil should I use to refill my Scottoil?** In ambient temperatures between 0 and 20 degrees Celcius we recommend Scottoil Traditional - Blue and in ambient temperature between 20 and 40 degrees Celcius we recommend Scottoil High Temperature - Red. Scottoil features a very low tack additive thus not attracting dirt. Scottoil cannot guarantee the compatibility of our systems using any other manufacturers oils as the materials used are tested for compatibility with Scottoil only.
- 3. When should I refill my RMV (Reservoir Metering Valve)?** If you refill the oiler before it runs dry you won't have to prime the dispenser tube. The Reservoir Metering Valve takes around ten seconds to top up with 50ml of oil which should last approximately 1500 miles.
- 4. Can I increase the capacity?** Yes, the Magnum High Capacity Reservoir increases capacity by up to eight times. The HCR is fitted behind the number plate and the combined increased capacity will give 10000 miles between refills. Alternatively, the Lube Tube flexible high capacity reservoir increases combined capacity by up to four times. The Lube Tube can be fitted into any dead space on the bike and will mean 6000 miles between refills.
- 5. Will the Scottailer only oil one side of my chain?** No. The oil is fed to the chain via the sprocket face where it splits over the inner side plates. Some of the oil is diverted onto the o-rings and the remainder feeds under the roller onto the bushing. Capillary action will then draw the oil across the chain. For best results load the chain with oil from the bottle or a rag after cleaning and then apply approx 1 drop per minute to maintain this film of oil.
- 6. Will I get oil on my tyre?** No, A flow rate of approximately one drop per minute applied via the sprocket face will provide an oil-film which will not pollute the running surface of the tyre and will give a dramatic improvement in chain life. In conditions where high levels of dust, sand or heavy rain are present more oil flow will be necessary to extend chain life.
- 7. Do Scottailer offer a fitting service?** No. If you have a new bike and are local to Glasgow give us a call, we might be looking for your bike. If you aren't confident about fitting the system, having looked at the model specific installation guide for your bike, it is recommended to use a local motorcycle dealer experienced in fitting Scottailer products.
- 8. I want to move my Scottailer onto my new bike, are the spare parts available separately?** Yes, the full range of spare parts, fittings and accessories are available online at [www.scottoiler.com](http://www.scottoiler.com) or by telephoning Sales on +44 (0)141 955 1100. Alternatively, contact your local Scottailer dealer, who can order the parts on your behalf.



# BMW F800 / F650 GS (2008-)



www



e-mail



www.scottoiler.com   technical@scottoiler.com   +44(0)141 955 1100

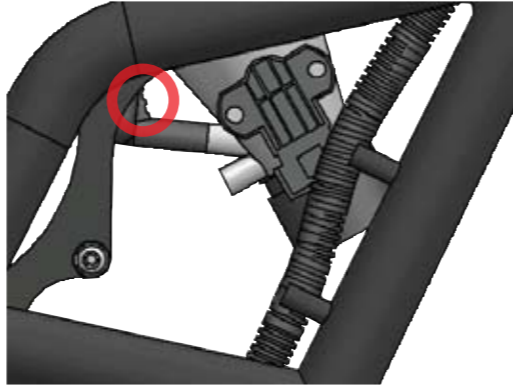
## Vacuum Connection

1. Remove the side panel from the RHS of the bike using a T25 Torx wrench.

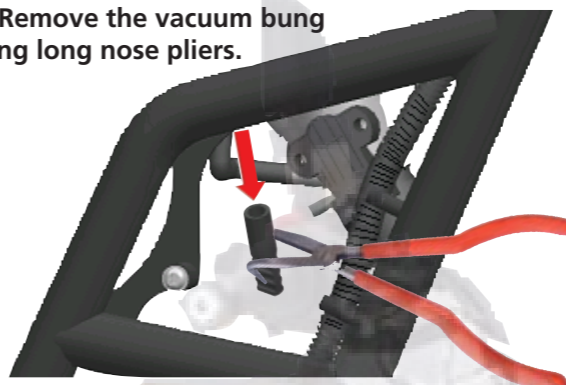


2. Locate the vacuum bung on the bottom of the airbox, it is in the middle of the bike.

The end of the bung can just be seen behind the vacuum pipe from the throttle body to the airbox.

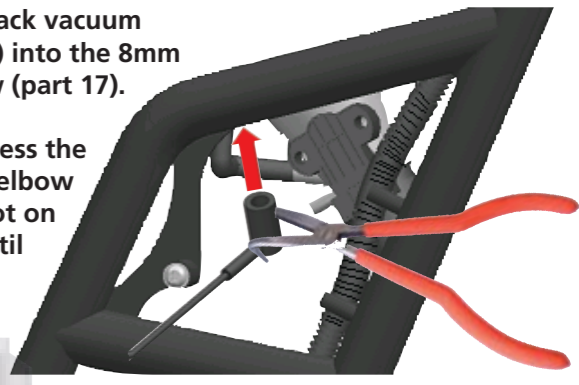


3. Remove the vacuum bung using long nose pliers.



4. Press the black vacuum tubing (part 4) into the 8mm damper elbow (part 17).

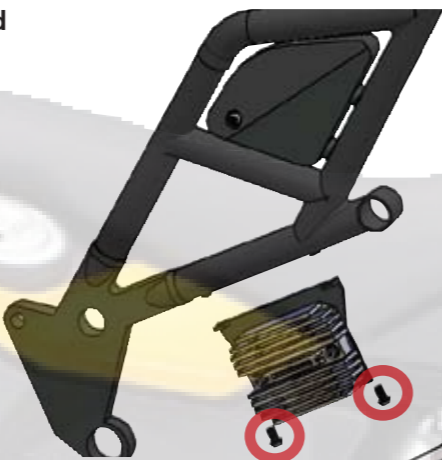
Then firmly press the 8mm damper elbow onto the spigot on the airbox, until it can go no further.



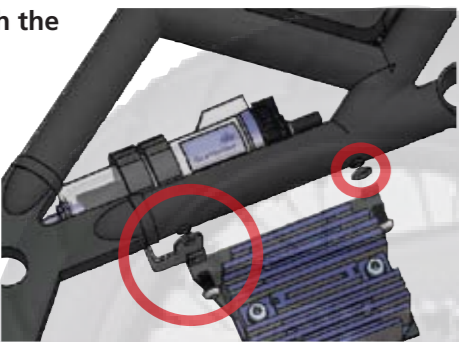
**⚠️ Incorrect installation can result in excessive oil fling**

## Reservoir Metering Valve (RMV)

1. Unbolt and remove the regulator rectifier from the frame using a T30 Torx wrench.

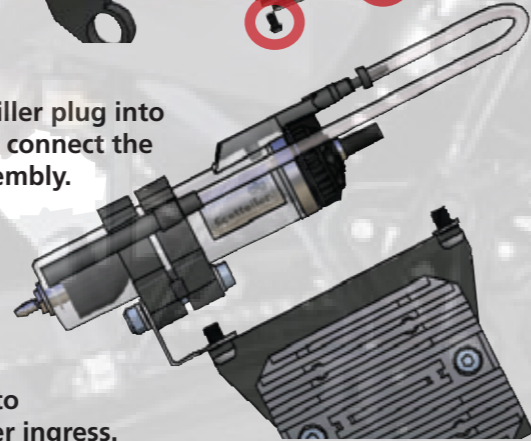


2. Re-attach the regulator rectifier including the clamp assembly (part 1) & washer (part 12).



3. Press the filler plug into the RMV and connect the breather assembly.

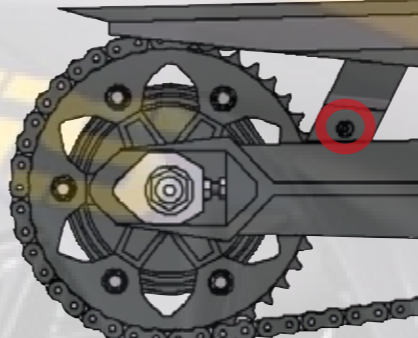
Secure the breather assembly (part 3) pointing downwards to prevent water ingress.



## Dispenser Assembly

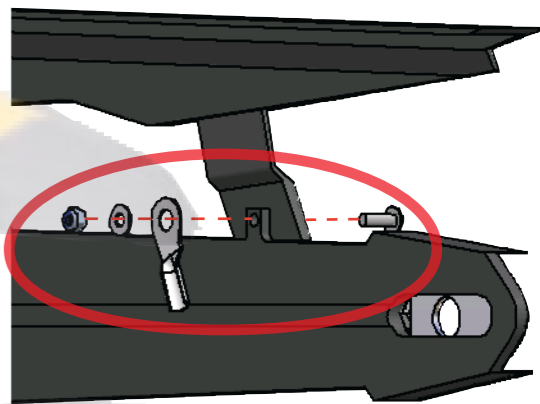
**⚠️ Avoid routing against moving parts**

1. Remove the rear chain guard mounting bolt using T30 Torx wrench.

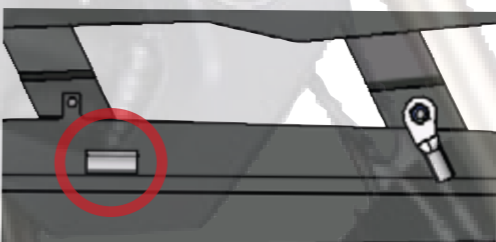


2. Using the M6 bolt (part 13), washer (part 12) and nyloc nut (part 9) - fix the dispenser plate (part 10) to the inside face of the swingarm through the chain guard mount.

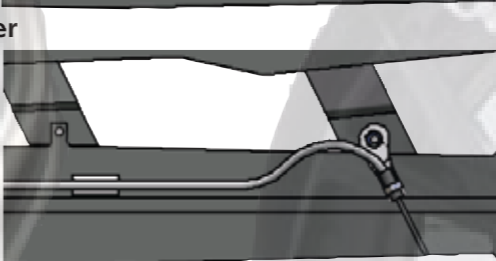
**Hint:** The delivery tubing can be routed beside and secured to the rear brake pipe.



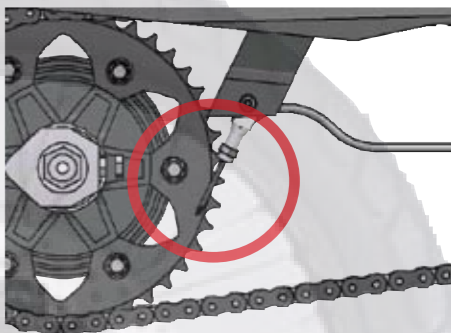
3. Degrease & prepare a small area of paint half way along the back of the swingarm using the sandpaper (part 14) and instant adhesive (part 15) a piece of conduit (part 5) in place



4. Secure the dispenser assembly (part 2) to the dispenser plate by clamping around the black nylon sleeve using the jubilee clip (part 11). Use instant adhesive to secure the delivery tubing to the conduit and route the delivery tubing to the RMV taking care to avoid the chain.



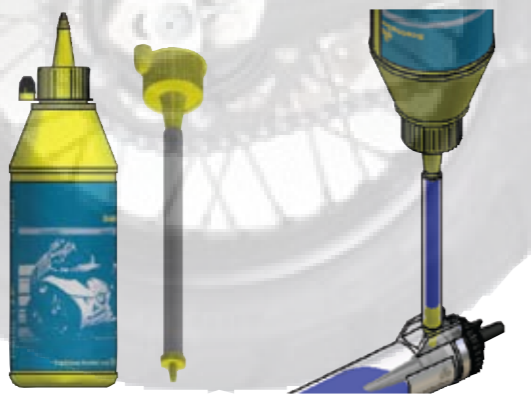
5. Position the nib between 3 & 4 o'clock on the outside face of the rear sprocket with the slash cut facing away from the sprocket, taking care to avoid the sprocket bolts.



**Note:** swingarm not shown for clarity

## RMV Filling

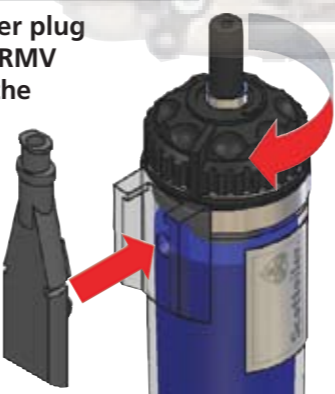
Bottle & Spout (parts 6 & 7)



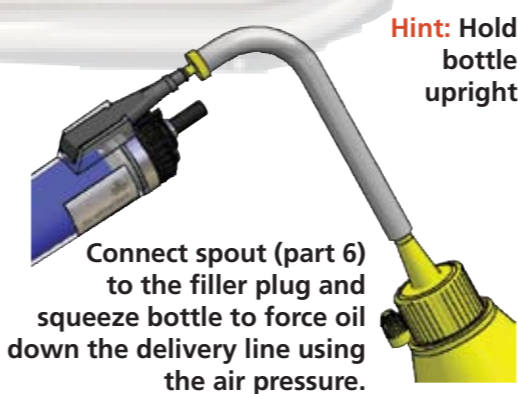
**Hint:** Always remove filler plug and breather before filling

## System Priming

Press Filler plug into the RMV and set the RMV to prime.



**Hint:** Hold bottle upright



Connect spout (part 6) to the filler plug and squeeze bottle to force oil down the delivery line using the air pressure.

## Set Flow Rate

Adjust the flow until approximately 1 drop per minute is achieved.



**Hint:** 1 drop per minute provides the optimum flow rate

