# F650/700/800GS - (2008 - 2016)



## Product Compatibility

- vSystem + SA-0097BL
- vSystem for USA models (No Adapter required)
- xSystem
- eSystem
- REP Connect + Hex ezCAN F800/Denali CANsmart
- Traveller Expansion Bag
- Scorpion Dual Injector

- Magnum HCR

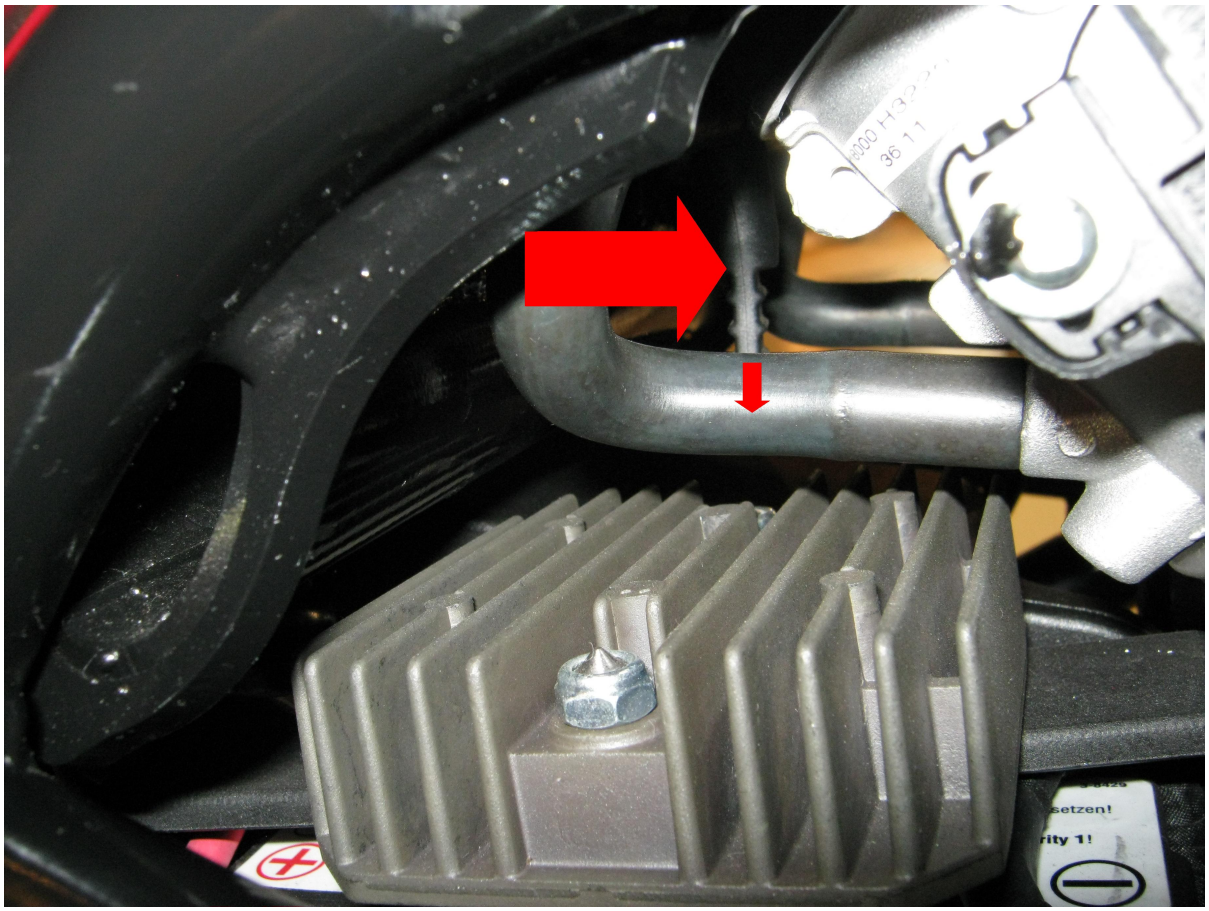
1. Go to vSystem Installation
2. Go to vSystem Installation for USA models
3. Go to eSystem Installation

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# vSystem Installation

## Step 1 - Find a vacuum source

Looking from the right side, there is a spigot at the bottom of the air box with a rubber cap. Pull the tab on the rubber cap downwards to remove the cap. Push the Vacuum Adapter Assembly (**SA-0097**) onto the spigot as far as it will go. Push the thin, black vacuum tubing into the vacuum damper elbow, and then push the vacuum damper firmly onto the barb of the vacuum adapter.



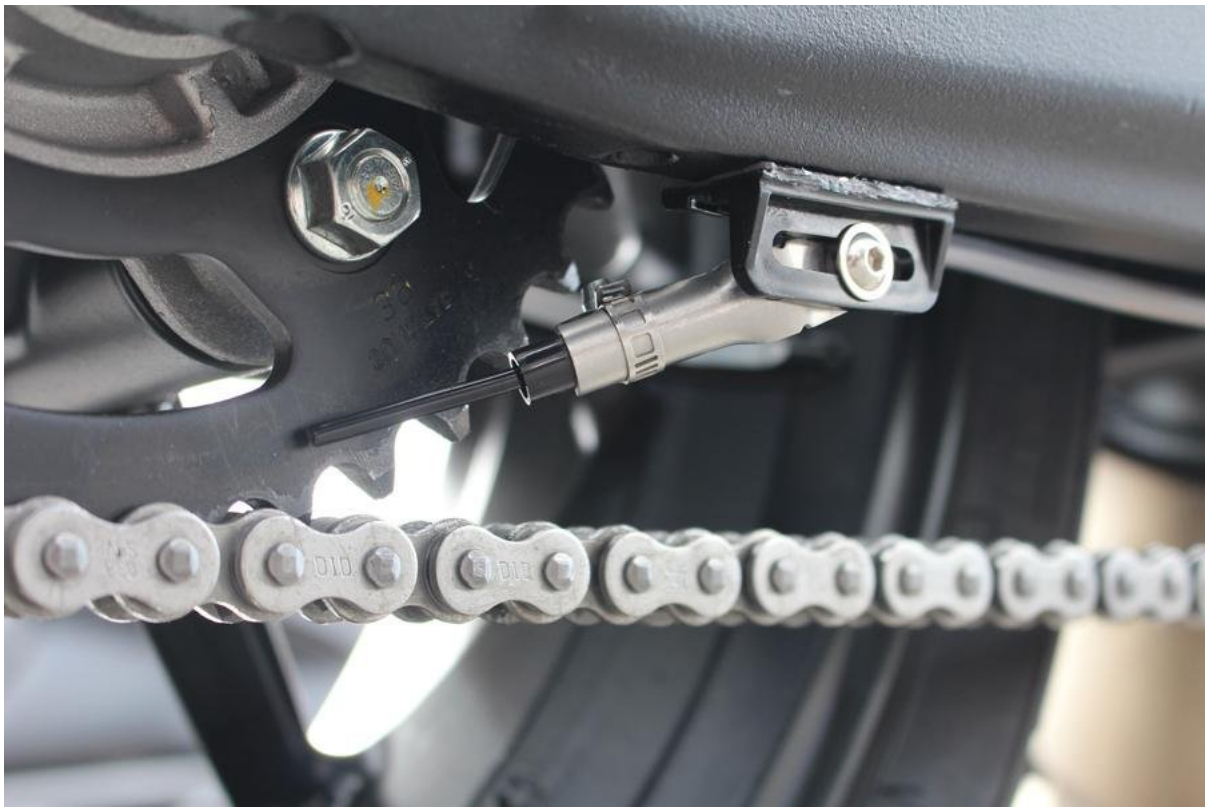
## Step 2 - Find a place for the reservoir

The reservoir can be mounted to the frame. The more vertical the reservoir is mounted the better. Avoid positioning the reservoir completely horizontally, as this will limit the available range. Remember to avoid exhaust and engine components. For further information, see our easy step installation guide – Reservoir Positions.




## Step 3 - Mount the dispenser and connect the system

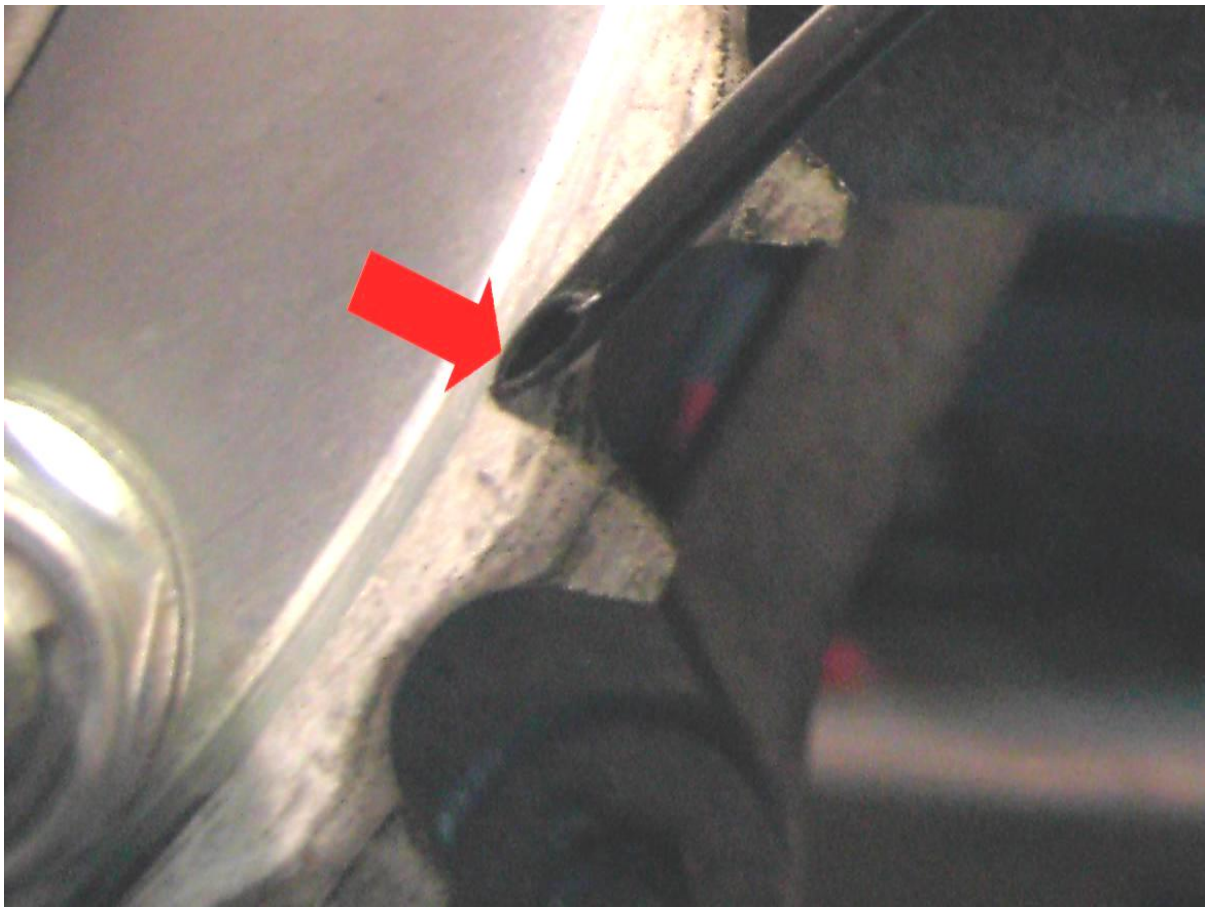
Assemble the dispenser mounting block and bolt the dispenser plate to the mounting block. Secure the dispenser on the dispenser plate using the dispenser clip. Clean the underside of the swing arm thoroughly, and prepare the area by wiping in one direction with the alcohol wipe and then firmly press the block on - with pressure, for 5 seconds. Ensure that the tip of the Injector touches the sprocket face, with the slash cut facing outwards.







**Dispenser fitted using** F800 dispenser adapter (SA-0615BL)



**Note: Position tip of injector accurately - avoiding sprocket nuts and teeth.**

## Step 4 - Fill, prime and set up your vSystem

Once fitted, fill and prime the system and set the adjuster knob to 'prime'. Start the engine and turn the adjuster knob until a flow of between 1 and 2 drops per minute is achieved. Check the condition of your chain after a ride, and then adjust as required.

For best results clean your chain before fitting the Scottoiler using paraffin or similar. Then lightly oil the chain from the bottle using a rag or a brush, this allows the oil from the Scottoiler to reach both sides of the chain. 1 to 2 drops

per minute will maintain this film of oil on the chain.

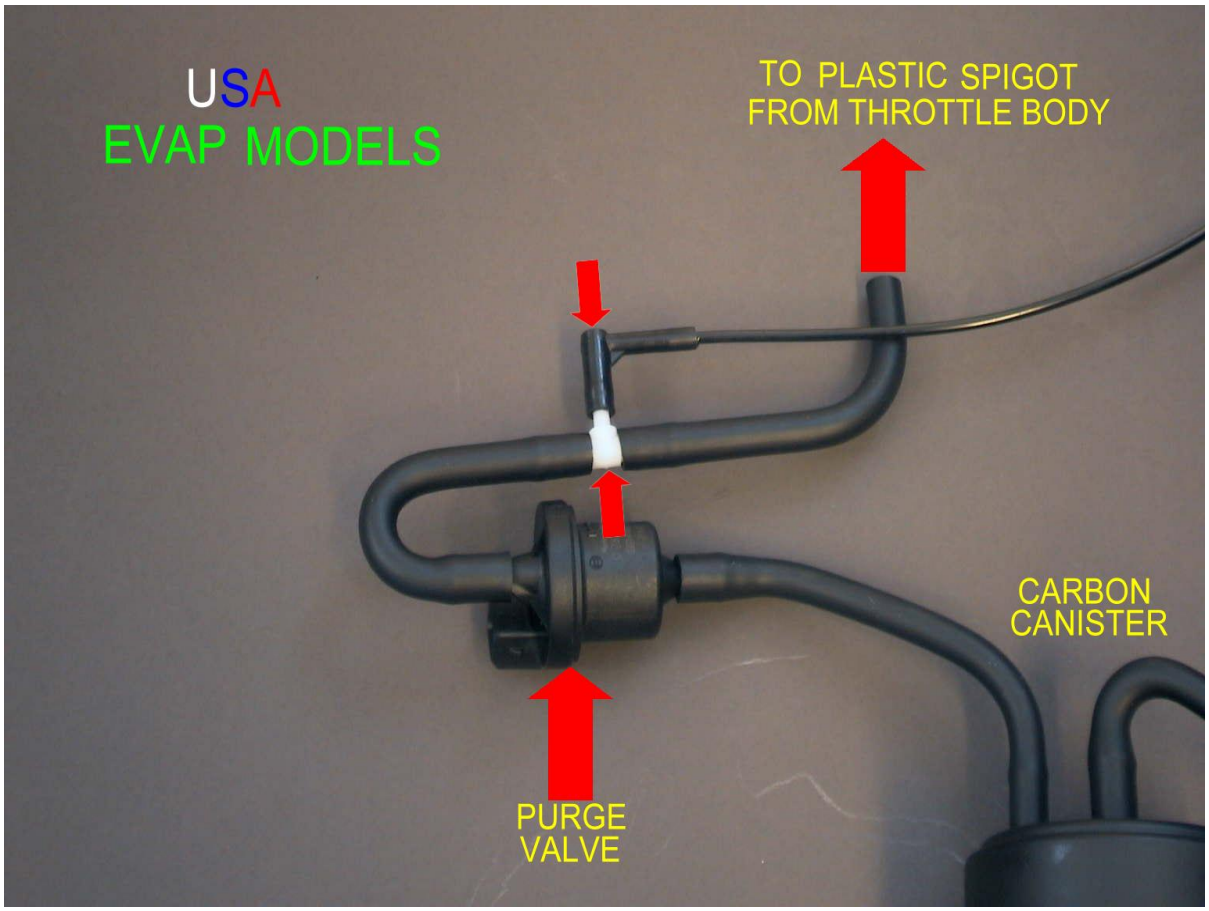
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## vSystem Installation for USA models

**Please Note: This vSystem guide is for BMW F650GS / F700GS models fitted with evaporative emissons control (EVAP) only. These models were only available in the USA until 2016.**

### Step 1 - Find a vacuum source

There is a vacuum pipe from the inlet tract, leading to the EVAP "PURGE" valve. You can read more about the EVAP System and how to identify the correct vacuum pipe here. Cut this pipe and insert the 6mm Tee Connector. Push the thin black vacuum tubing into the Vacuum Damper elbow and push the elbow firmly onto the third leg of the Tee Connector.



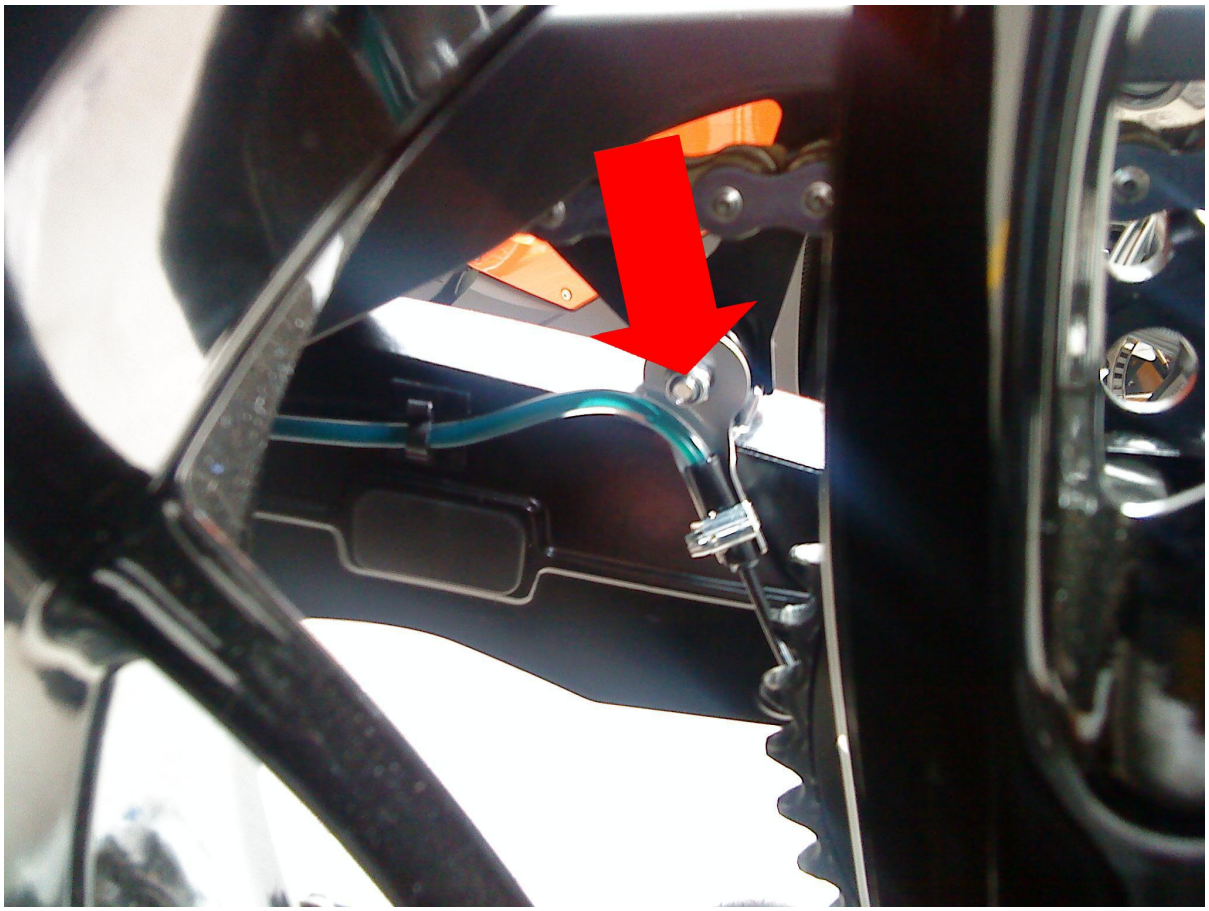

## Step 2 - Find a place for the reservoir

The reservoir can be mounted to the frame. The more vertical the reservoir is mounted the better. Avoid positioning the reservoir completely horizontally, as this will limit the available range. Remember to avoid exhaust and engine components. For further information, see our easy step installation guide – Reservoir Positions.

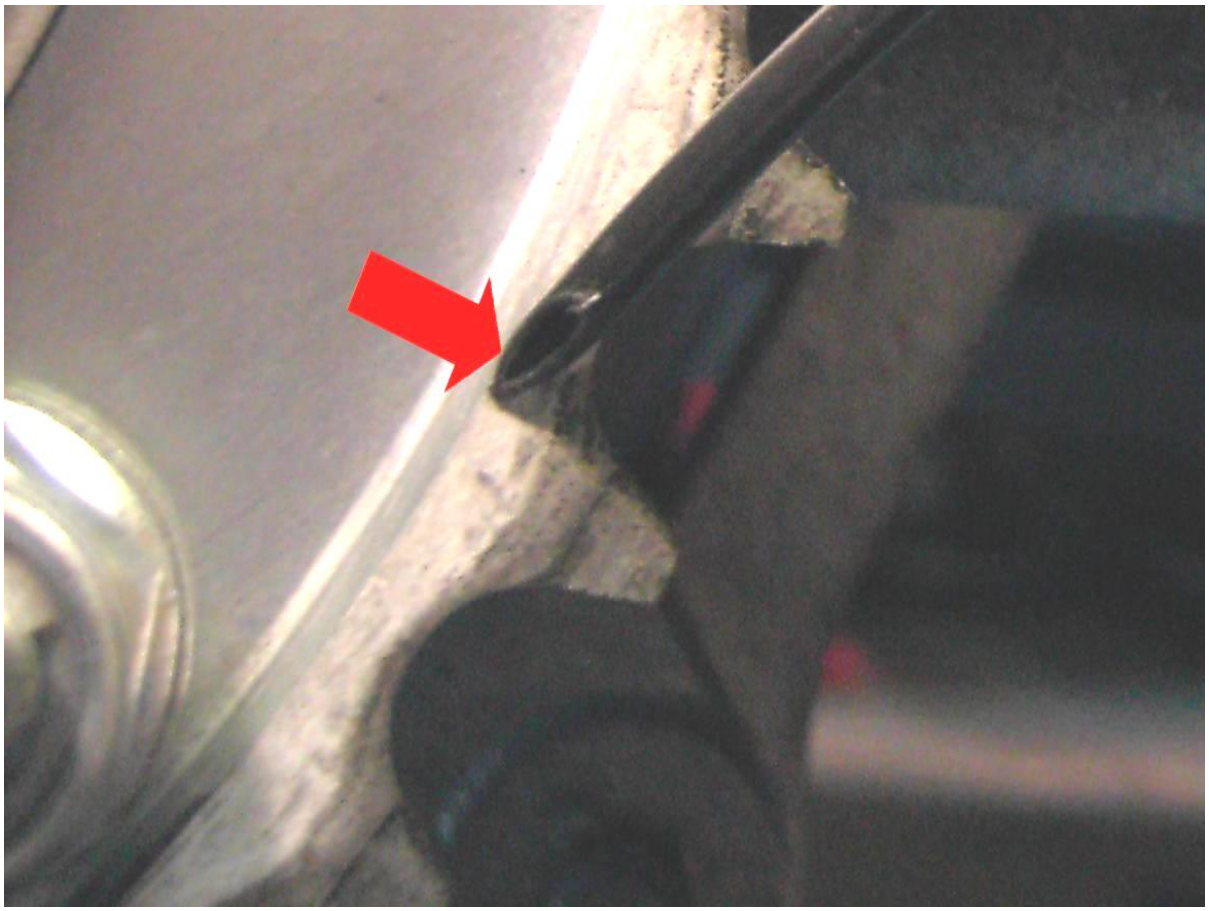


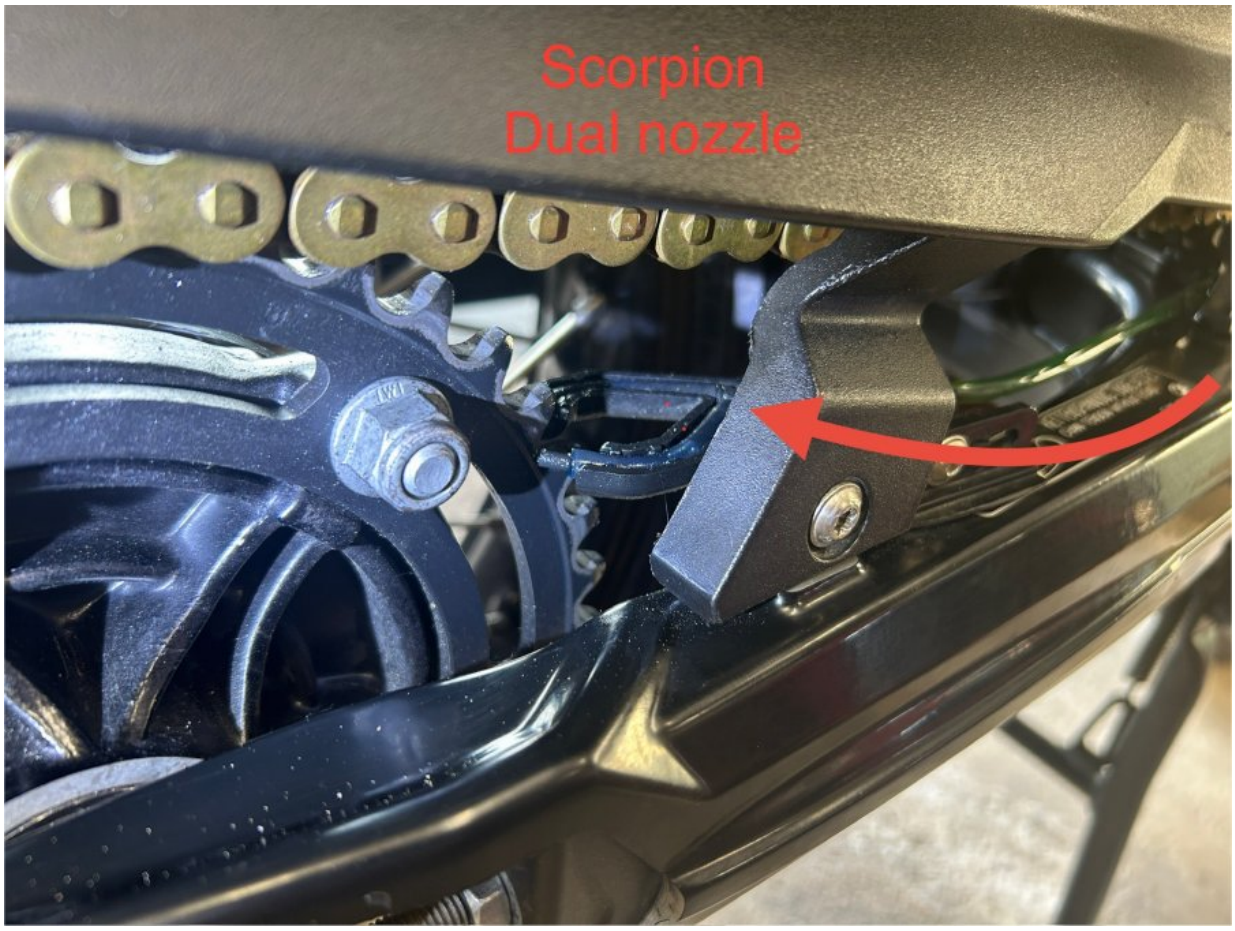

## Step 3 - Mount the dispenser and connect the system

The Dispenser assembly can be secured on the chain guard bolt using the small dispenser plate and clip. The delivery tubing can be routed along the swing arm using self - adhesive cable clips. See our easy step installation guide - Dispenser Positioning. The nib should lightly touch the face of the rear sprocket, with the slash cut facing outwards.



**Single feed.**




Scorpion
Dual nozzle



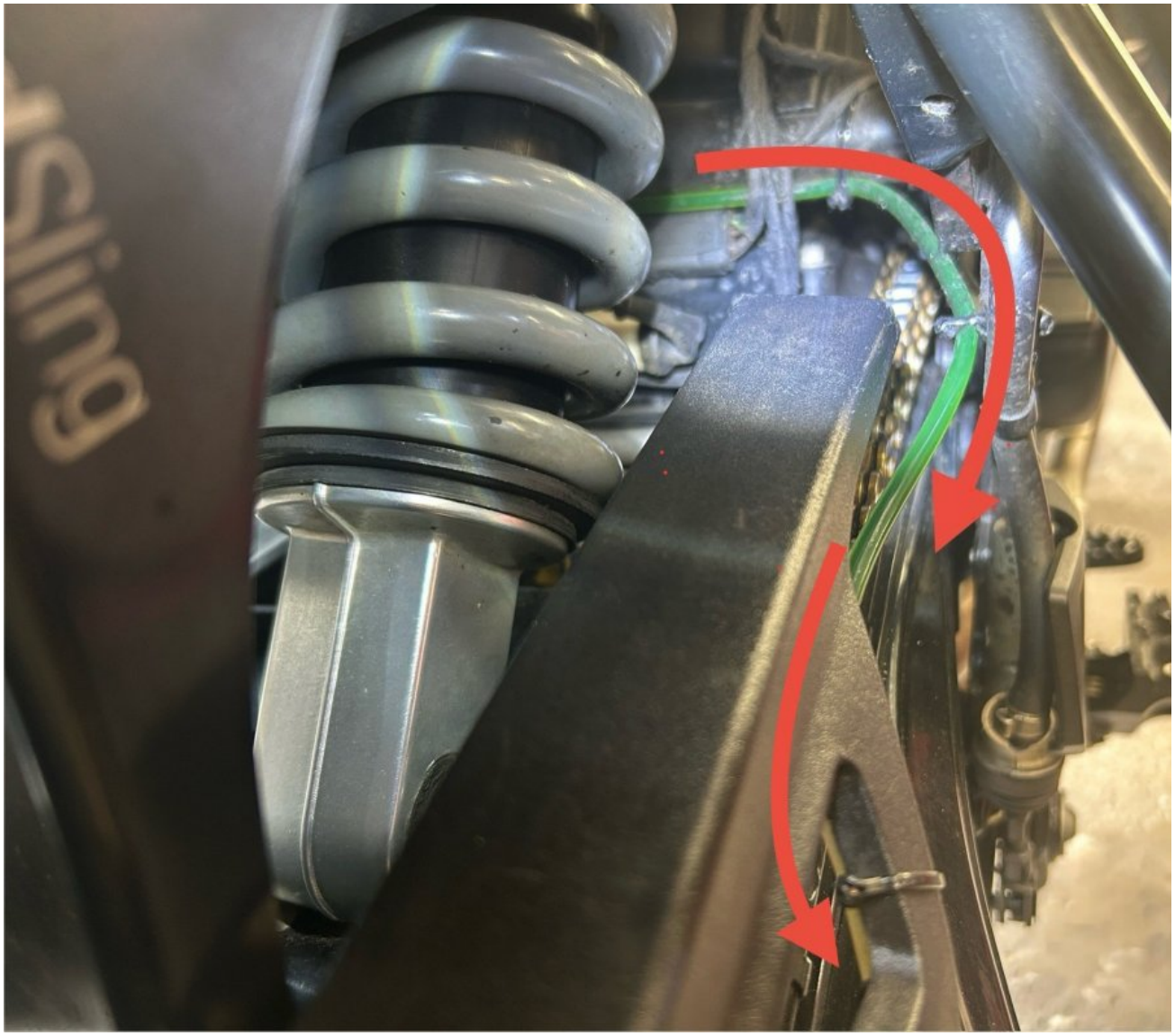

**Scorpion Dual Injector shown.**

## Step 4 - Fill, prime and set up your vSystem

Once fitted, fill and prime the system and set the adjuster knob to 'prime'. Start the engine and turn the adjuster knob until a flow of between 1 and 2 drops per minute is achieved. Check the condition of your chain after a ride, and then adjust as required.

For best results clean your chain before fitting the Scottoiler using paraffin or similar. Then lightly oil the chain from the bottle using a rag or a brush, this

allows the oil from the Scottoiler to reach both sides of the chain. 1 to 2 drops per minute will maintain this film of oil on the chain.



## General xSystem guide

The xSystem chain oiler is really easy to install and can be mounted on your bike is less than 1 hour. The installation consists of three simple steps:

- Find a place for the reservoir, either on the frame or under the seat
- Connect the reservoir to your battery
- Route the dispenser to your rear sprocket

For an example of the installation see our xSystem Installation Video .

If you have our System installed on this specific motorcycle model, we would appreciate if you could send us pictures. With more pictures we can make the installation even easier for all motorcyclists. Please send us your feedback and photos to technical@scottoiler.com.



**xSystem location suggestion.**

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## General eSystem guide

The eSystem chain oiler is really easy to install and can be mounted on your bike in less than 1 hour. The installation consists of the three simple steps:

- Mount the display on your handlebars
- Connect the display and reservoir to your battery
- Attach the dispenser and route the delivery tubing to the reservoir

For an example of the installation see our eSystem Installation guide.

If you have our system installed on this specific motorcycle model, we would appreciate if you could send us pictures. With more pictures we can make the Installation even easier for all motorcyclists. Please send us your feedback and photos to technical@scottoiler.com.

## Step 1 - Find a place for the display

The Display Bracket (Part 5) can be rotated through 360° to give 4 mounting options and can also be flipped to provide 4 further options. The bracket can be secured to any M5/M6 bolt e.g. brake or clutch lever, brake cylinder or fairing mountings, in some cases you might need to trim the supplied bolt. It is possible to bend the bracket to shape, do so before fitting the Display Unit, part 1, to prevent damage to the unit. Alternatively, the sticky fasteners (Part 4) can be used to securely fasten the Display Unit to any flat surface e.g. the fork yokes.



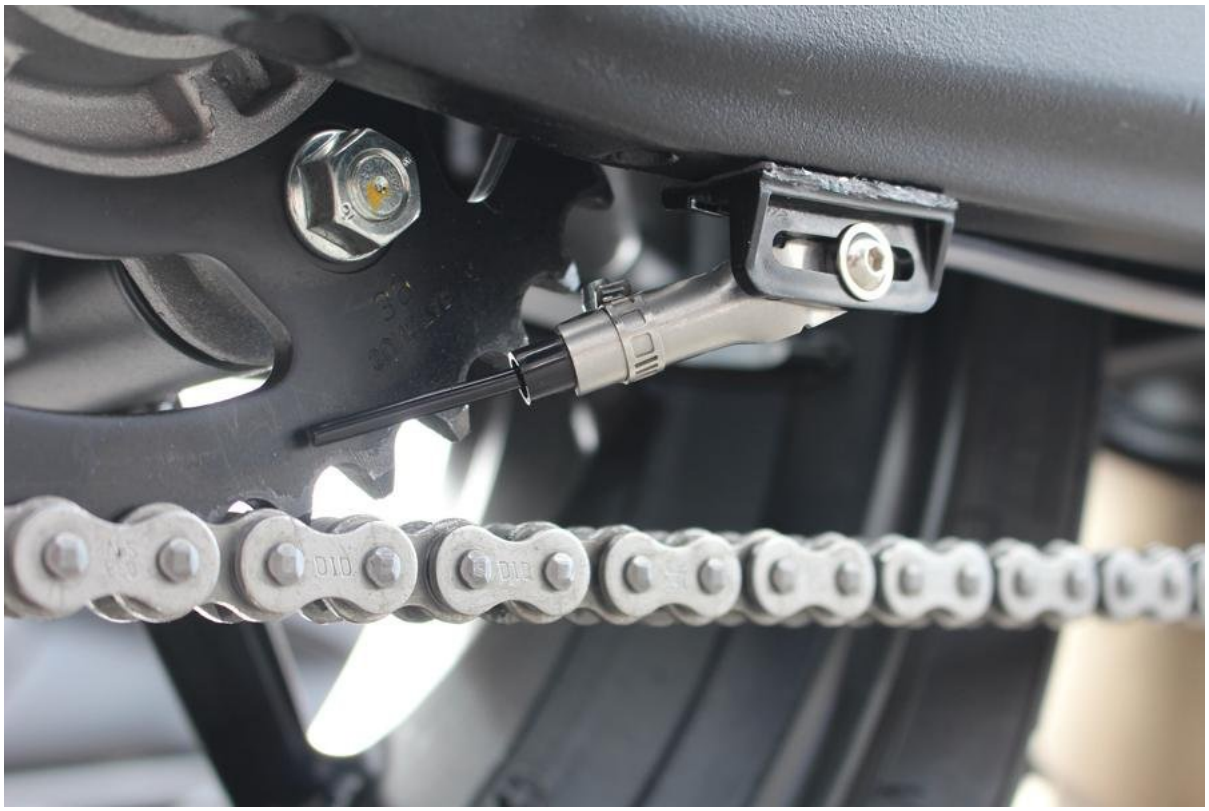

## Step 2 - Find a space for the reservoir

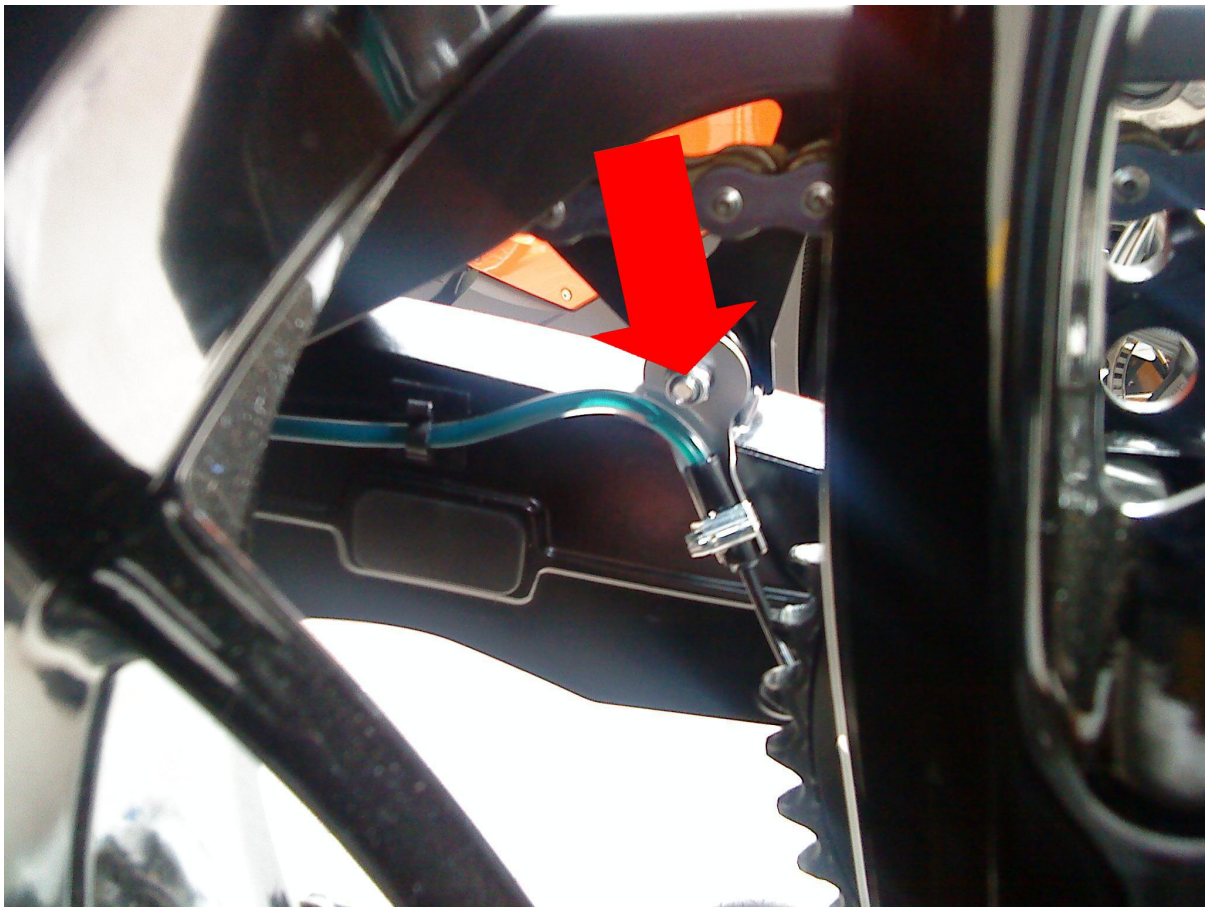
The reservoir can be mounted to the frame. The more vertical the reservoir is mounted the better. Avoid positioning the reservoir completely horizontally, as this will limit the available range. Remember to avoid exhaust and engine components. For further information, see our easy step installation guide – Reservoir Positions.

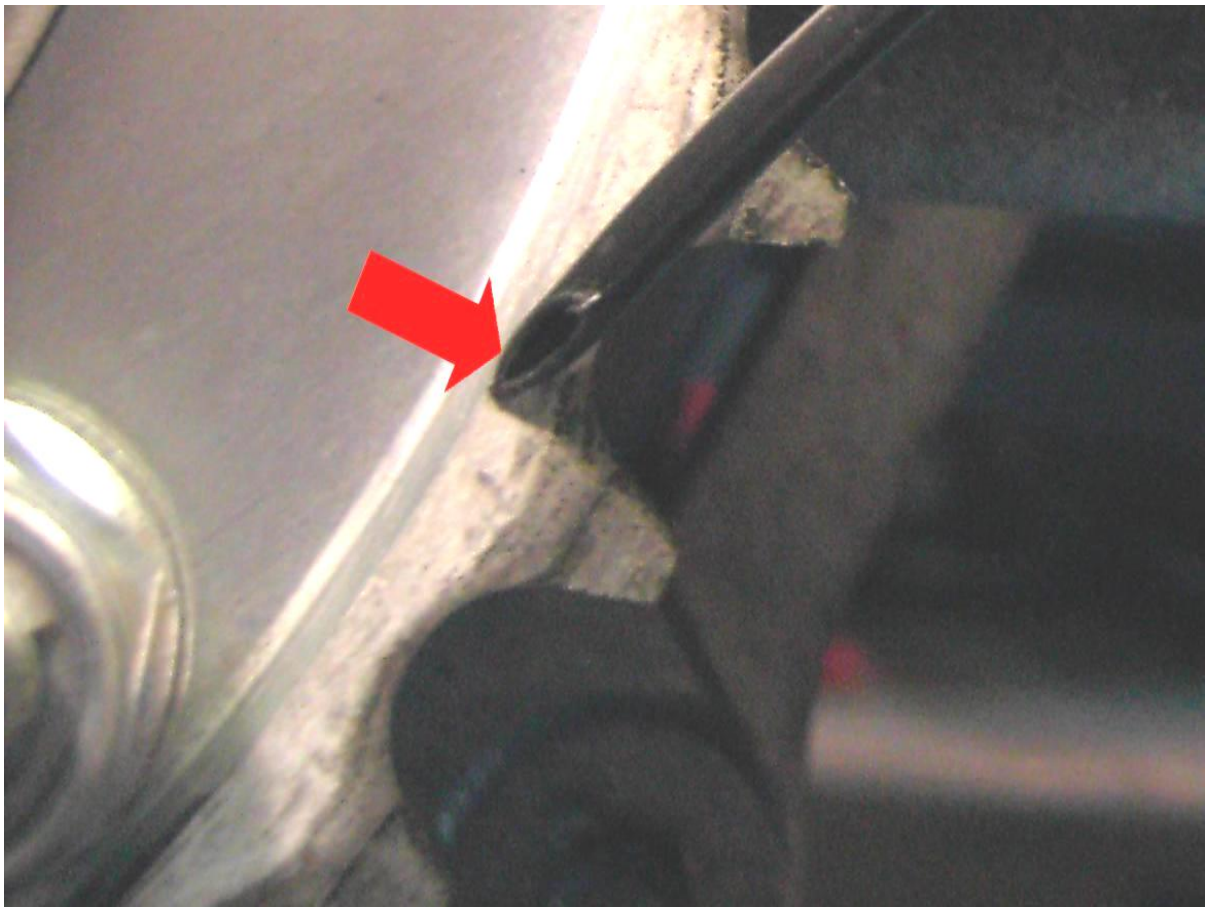



## Step 3 - Mount dispenser on your rear sprocket

Assemble the dispenser mounting block and bolt the dispenser plate to the mounting block. Secure the dispenser on the dispenser plate using the dispenser clip. Clean the underside of the swing arm thoroughly, and prepare the area by wiping in one direction with the alcohol wipe and then firmly press the block on - with pressure, for 5 seconds. Ensure that the tip of the Injector touches the sprocket face, with the slash cut facing outwards.







## Step 4 - Connect system to your battery

The eSystem must be wired directly to the battery. Attach the red wire to the +ve terminal and attach the black wire to the -ve terminal.

If you want to learn more about the eSystem Battery Connection and Power Consumption please click here.

## Step 5 - Fill, prime, and set up your new eSystem

Once fitted, fill the REP and prime the pump. Attach the delivery tubing and

prime until the oil reaches the point where you want to install the check valve. Stop the priming process and cut and insert the check valve at the chosen position. Continue priming the system until oil reaches the sprocket.

For further information you can also watch our installation video that shows the setup steps. How to fill and prime my eSystem?

Set the flow rate, using the 'Driving Screen' on the Display Unit, to 60-70 seconds per drop (s/dp), check the condition of your chain after a ride, and adjust as required.

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Online URL:
https://marketingengineer.de/article/f650-700-800gs-2008-2016-361.html