650 Twins (2018 - on)

Product Compatibility



- vSystem
- xSystem
- eSystem
- Traveller Expansion Bag
- Scorpion Dual Injector

- Magnum HCR

We are always looking for photos of your installation to improve our guides, if you would like to share the setup on your bike please send your installation pics to technical@scottoiler.com.

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1. Go to vSystem Installation
2. Go to xSystem Installation
3. Go to eSystem Installation

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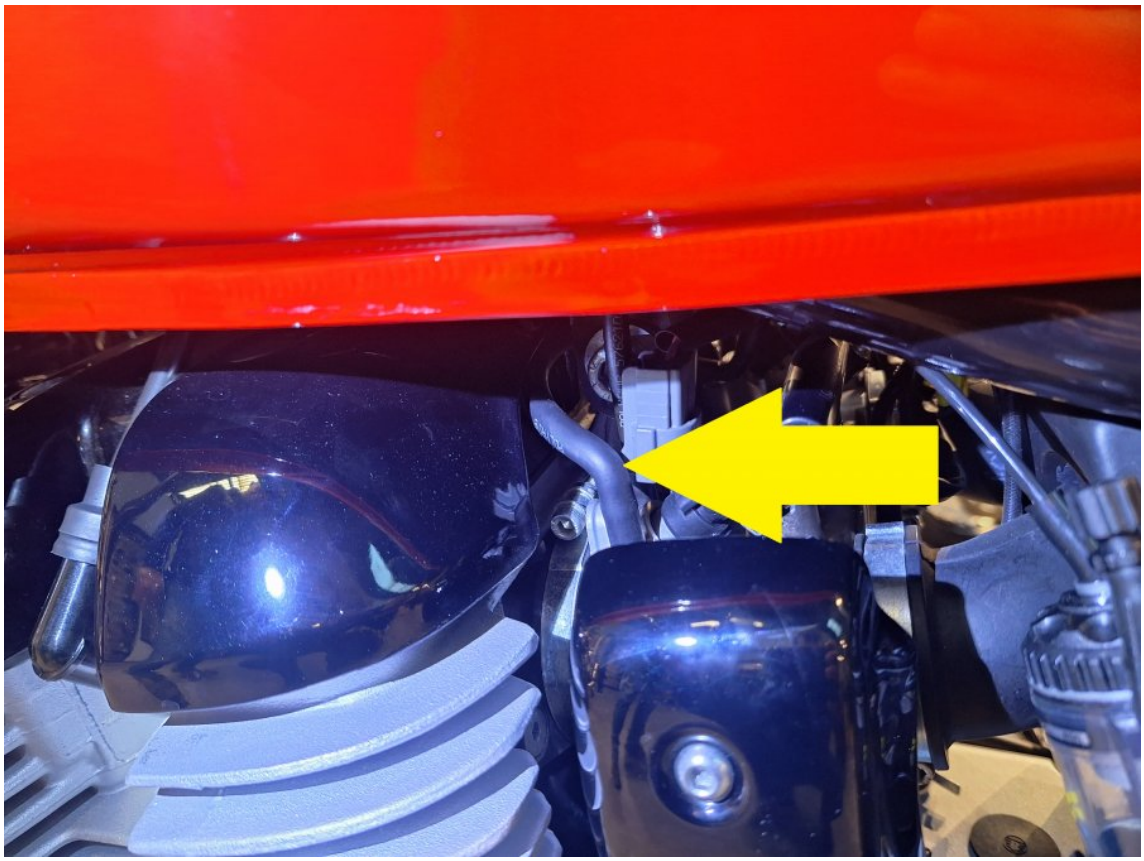
vSystem Installation

Step 1 - Find a vacuum source

There is a vacuum pipe from the throttle body 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 4mm Tee connector, and push the vacuum damper elbow onto the third leg of the tee.



Vacuum feed pipe arrowed. (View from Left side)

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.



vSystem RMV location suggestion.

Step 3 - Mount the dispenser and connect the system

The Dispenser Assembly can be secured to the paddock stand bobbin mount using the small Dispenser Plate & Clip. The delivery tubing can be routed along the swing arm using self- adhesive cable clips. For further information see our easy step installation guide - Dispenser Positioning. The nib should feed the rear sprocket with the cut face facing outwards.



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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xSystem Installation

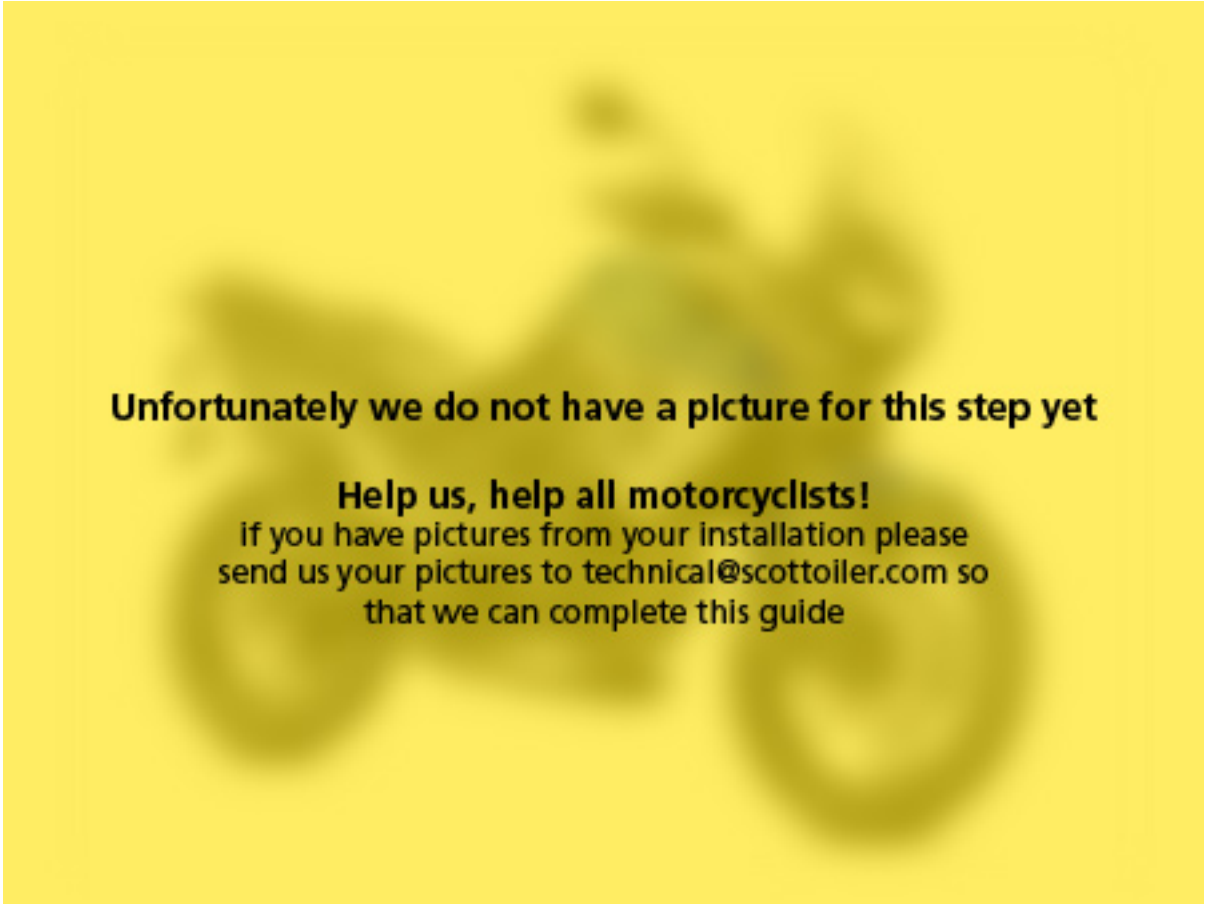
The xSystem reservoir unit can be mounted in various locations on your motorcycle such as frame tubes or under the seat. The reservoir must be at least at a a slight angle with the outlet facing downwards.



Step 2 - Connect the system to the battery

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

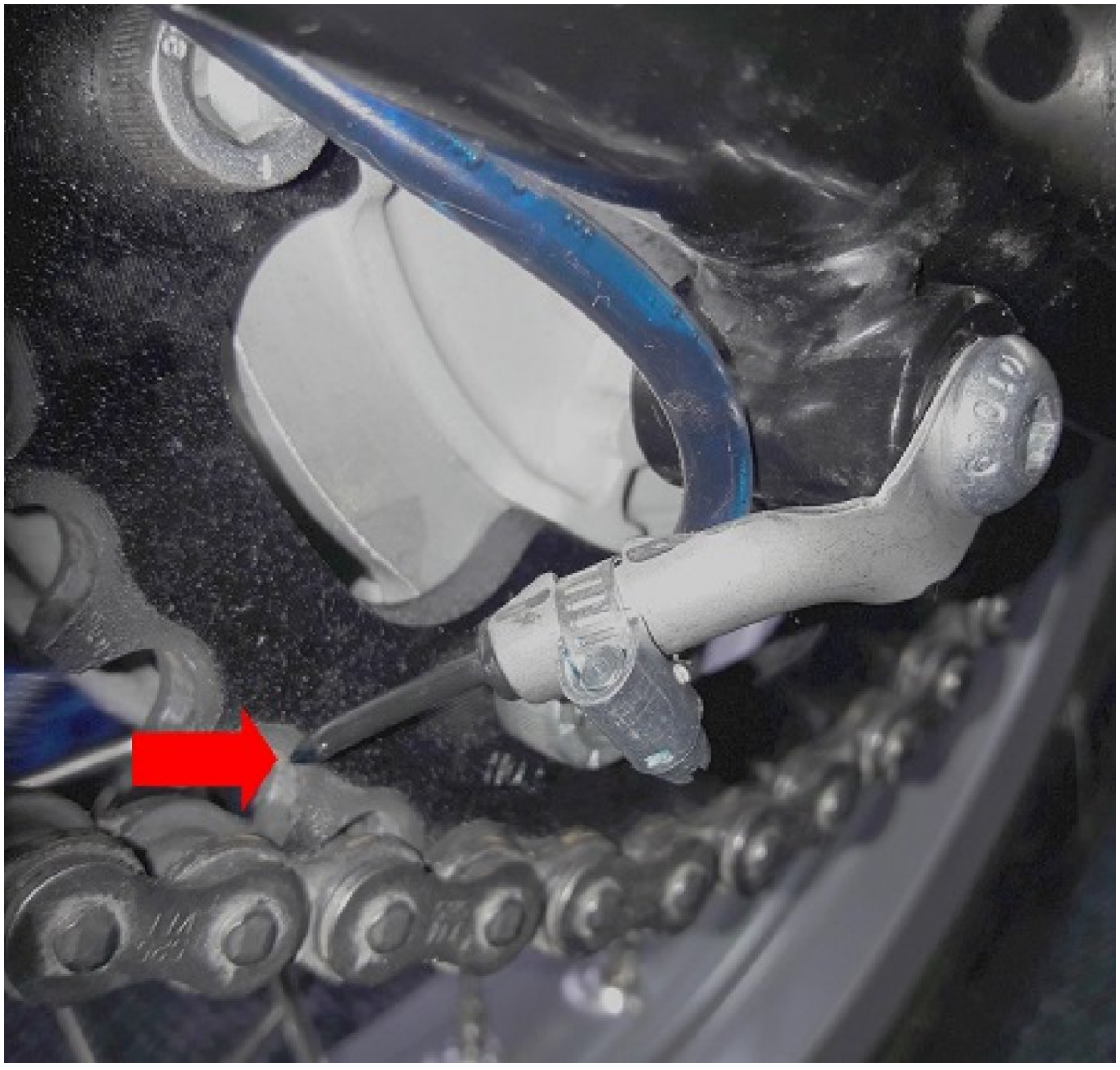
Slightly loosen the battery terminal screws to slip in the spade connectors.



Step 3 - Mount dispenser on the swing arm

The Dispenser Assembly can be secured to the paddock stand bobbin mount using the small Dispenser Plate & Clip. The delivery tubing can be routed

along the swing arm using self- adhesive cable clips. For further information see our easy step installation guide - Dispenser Positioning. The nib should feed the rear sprocket with the cut face facing outwards.



Identify a desired location for the check valve in the delivery line. The location of the check valve can be anywhere along the delivery line and should be protected from outside elements. Fill the reservoir and prime the pump until oil reaches your desired check valve location. Cut and insert the check valve with the arrow facing in the direction of the oil flow. Repeat priming the pump until oil reaches the sprocket.

To turn the system on, press and hold the on/off button (at the bottom) until the LEDs light from the bottom , upwards. It will settle on the chosen flow rate.

To turn off, again, hold the on/off button and the LEDs will light up and turn off, one by one, downwards.

To increase the flow rate, make sure it's switched on and press the upwards pointing arrow and the LED will move one position higher.

To reduce the flow rate, press the downward pointing arrow.

Set the flow rate on the middle section and adjust if required up/down depending on your riding conditions.

The xSystem will automatically switch on/off and no manual activation is necessary. You can manually turn the system on/off if you transport the motorcycle on a ferry or trailer.

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eSystem Installation

Step 1 - Mount the display unit

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 location for the reservoir

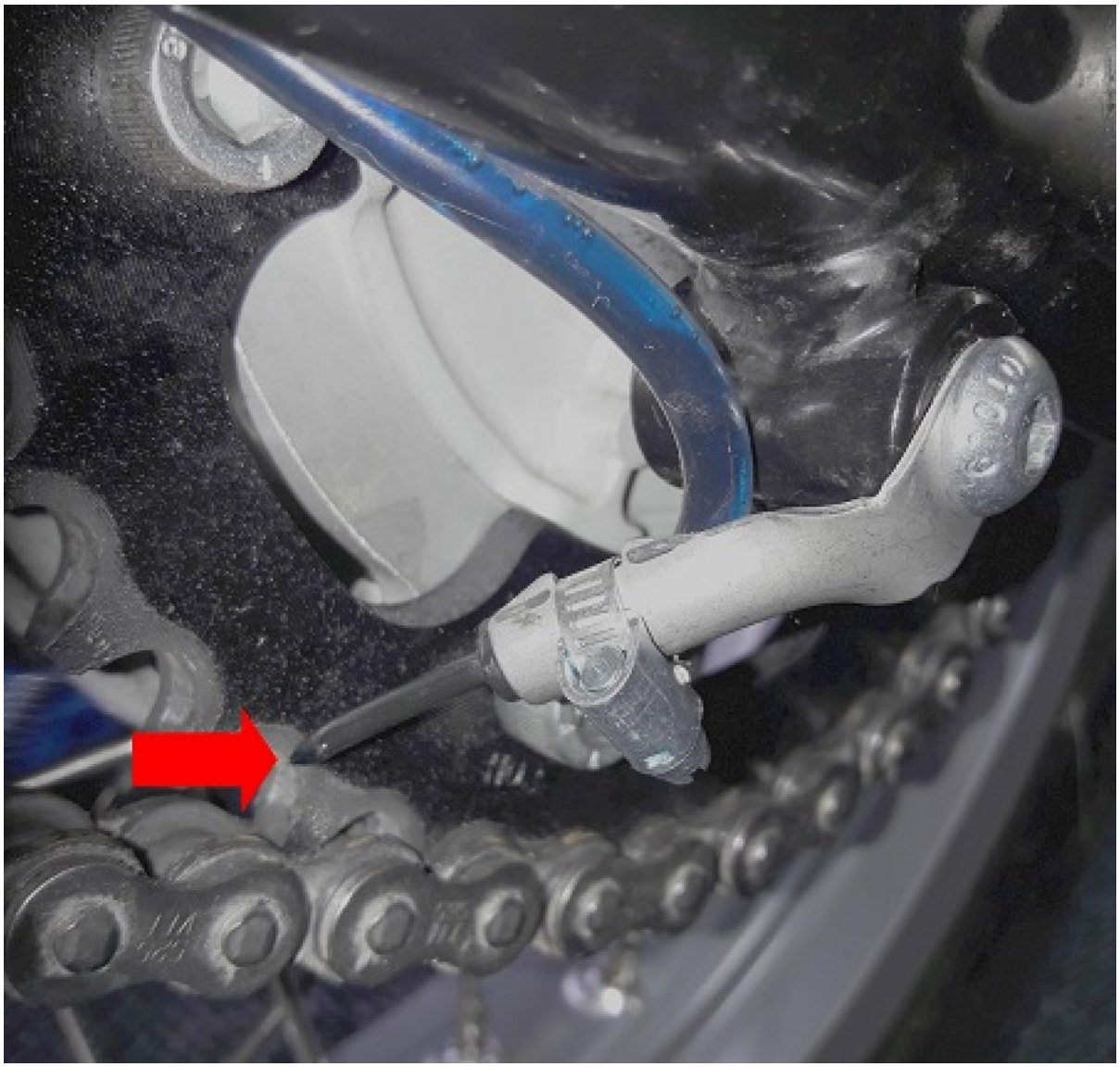
The reservoir can be mounted to the frame. The more vertical the reservoir is mounted the better. Avoid positioning the reservoir completely horizontally, as this will limit the available range. Remember to avoid exhaust and engine components. For further information, see our easy step installation guide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

Reservoir Positions.



Step 3 - Mount the dispenser on the swing arm

The Dispenser Assembly can be secured to the paddock stand bobbin mount using the small Dispenser Plate & Clip. The delivery tubing can be routed along the swing arm using self- adhesive cable clips. For further information see our easy step installation guide - Dispenser Positioning. The nib should feed the rear sprocket with the cut face facing outwards.



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.

Online URL:
https://marketingengineer.de/article/650-twins-2018-on-524.html