



Scottoil : Triumph 1050cc Speed Triple



Fitting the Scottoil system first entails finding the vacuum connection. All engines will have a vacuum, and most have a vacuum connection on or near the inlet tracts to balance the fuel injection system. The Scottoil uses this vacuum to move 3cc of air. It's used once, when you initially start the engine, lifting a valve inside the oiler. It will not affect the running of the bike if installed correctly as the vacuum side is separated from oil side of oiler by a diaphragm. With the valve in the open position, oil falls down the delivery tubing due to gravity – it's not a pump. Heat, the height of the RMV from the final dispenser, and any air bubbles in the delivery tubing will all affect flow rates.

Once the vacuum connection is made, fit the RMV in a location away from engine and exhaust components. The more vertical the RMV the better. Finally, fit the dispenser assembly or dual injector. Scottoil do not recommend fitting the HCR Touring Kit to this bike, but if you require additional capacity, it is possible to fit a Lube Tube instead, which will contain enough oil for between 2000 and 3000 miles (set to deliver between 1-2 drops per minute) before requiring refilling. The dispenser assembly/dual injector should deliver oil onto the rear sprocket at between the '6 and 7 o'clock' position, at a rate of between 1-2 drops per minute, once the system is filled and primed, as per our Fitting Instructions in the kits.



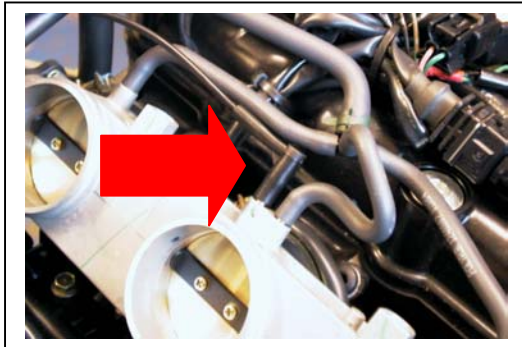
Triumph Speed Triple 1050 engine, 2005 model, shown on the left.

To fit a Scottoil to this model, you will have to lift the tank and airbox. The picture below right, shows the tank lifted. There are 4 connections, which you need to separate. The fuel hose, 2 rubber hoses, and an electrical connector. They are all highlighted.



Once the tank is off, remove the top of the airbox, disconnecting the narrow rubber tube from the vacuum sensor first. Remove the air filter. Once this is done, it is then possible to remove the bottom of the airbox. This is shown in the picture above, and on the left. To remove the airbox base, you need to unscrew the bolts at the rear, and unclip the side at the front.





You will see pipes coming from each of the three throttle bodies. The middle throttle body also has a brass spigot with a rubber bung on it. Remove this rubber bung and replace it with part number 4, the vacuum damper elbow, from the Scotttoiler kit. Then, push the Scotttoiler nylon vacuum tubing into the slim end of the damper elbow, as shown on the left.



Run the vacuum tubing along the bike neatly, avoiding any mechanisms in which it could jam – especially the throttle mechanism. The vacuum tubing is then pushed into the top of the RMV (reservoir metering valve.) The RMV can be sited in a number of locations – we have shown our preferred install on the left, with the preferred position of the lube tube below left.



The Lube Tube must be positioned no more than 20cm higher or lower than the reservoir. It is helpful if the breather end (the end which doesn't connect to the RMV) is uppermost. It would be possible to mount the RMV under the pillion seat, in the small recess behind the battery, or inside the side panel. If inside the side panel, the Lube Tube, if connected, must still be within 20cm.



To fit the dispenser assembly, you will require an adapter kit (free of charge) from Scotttoiler. It allows the Dispenser Plate & Mounting Plate to be bolted together. (These are both standard parts contained in the kit.) Please contact Scotttoiler to receive the adapter kit. The dispenser assembly, is shown mounted to a Triumph Sprint on the left, but is the same for the Speed Triple 1050.



The dual injector is very easy to fit on this bike – simply drill a hole in the chain guard plate, as shown on the left. The dual injector can then be bolted to this plate – you must ensure that the body of the injector lies in line with the chain, and use the correct spacer assembly to achieve this. If you've any further comments or queries please contact us.

