

Fuel And Vacuum Hose Routing Record

Draw your own routing before you take it apart. There is no single correct diagram for these machines, and the only one that matters is yours.

BEFORE YOU START

Petrol vapour ignites, batteries produce hydrogen, and a machine on a stand can fall. Work outdoors or with the door open, keep ignition sources away from the fuel system, disconnect the battery before touching wiring, and never run an engine in a closed space. This sheet helps you observe and record. It is not a repair manual and it does not know your machine.

WHY THIS SHEET HAS NO DIAGRAM ON IT

We could draw one. It would look authoritative, it would be right for some machines, and it would be wrong for others — and a reader has no way of telling which. Carburettor variants, vacuum and gravity fuel taps, and emissions plumbing all differ across these machines, sometimes within one badge and one year. What is always correct is the routing that is on your machine right now, so this sheet helps you capture that before it is gone.

PHOTOGRAPH FIRST

- ☐ Carburettor from above, showing every hose leaving it
- ☐ Carburettor from the left and from the right
- ☐ The fuel tap and everything connected to it
- ☐ Where each hose disappears to, including any that go to the frame or the airbox
- ☐ Any hose that is simply open to the air
Some are meant to be — record which
- ☐ Every hose numbered with tape before disconnection

COMPONENTS ON YOUR MACHINE

- ☐ Fuel tank, and whether the cap breathes
- ☐ Fuel tap — manual, or vacuum-operated?
A vacuum tap has an extra small hose to the inlet
- ☐ In-line fuel filter
- ☐ Fuel pump, if fitted separately
- ☐ Carburettor float bowl drain
- ☐ Carburettor overflow / vent hose
- ☐ Auto choke or enrichener, electrical
- ☐ Charcoal canister or emissions plumbing
- ☐ Crankcase breather to the airbox

DRAW YOUR ROUTING

YOUR MACHINE'S ROUTING — DRAW IT BEFORE YOU TOUCH ANYTHING

Sketch the tank, tap, filter, carburettor and airbox, then draw and number every hose

HOSE BY HOSE

NO.	FROM	TO	INSIDE DIA MM	LENGTH MM	CONDITION

LEAK AND BLOCKAGE CHECKS

- ☐ Every hose soft and pliable, not hard and shiny
 - ☐ No cracks at the ends where hoses stretch over spigots
 - ☐ Clips present and actually gripping
 - ☐ Fuel filter not clogged, and fitted the right way round if it is marked
 - ☐ Vacuum hose to the tap is intact along its whole length
 - ☐ Float bowl drains clean fuel, not water or sediment
 - ☐ Tank vent clear — a blocked cap vent starves the engine after a few minutes of running
-

Need to work out what you actually own?

The Scooter Parts Registry is a free public record of the Chinese factories behind US-market scooters, ATVs and go-karts — brand, engine family, VIN prefix, factory and related machines. No account, no email.

thescooterparts.com/identify