



TAYLOR AUTOMOTIVE ENGINEERING

UNIT 3 WILLOW FARM
SCRAPERS HILL CHIDDINGLY
EAST SUSSEX BN8 6HJ
TELEPHONE 01825 873578
Geoff@taylor-automotive.co.uk

Vacuum Pump Frequently Asked Questions

How much vacuum does the pump generate?

90% (under ambient pressure)

Can the pump be mounted in any position?

The pump can be mounted either vertically or horizontally using our own design pump mounting bracket which is included in our 'Gold', Silver' and 'Bronze' kits and also sold separately.

Does the pump have a built-in switch?

No. Unlike some smaller models (like the UP28), UP5 units require you to wire in an external vacuum switch and a relay so the pump turns on and off automatically based on system pressure. A vacuum switch is included in our 'Gold' and 'Silver' pump kits and is also sold separately.

Does the pump have a built-in one-way valve?

No. You will need a one-way valve between the pump and the brake booster

Will the pump work with a positive earth vehicle?

Yes it will, we have a positive earth wiring diagram we can send with your order, just let us know and we can include this in the box

After installation, the pump switches on and builds vacuum, but when it reaches the set vacuum level, it does not switch off properly. Instead, it keeps turning on and off continuously

First off make sure you don't have any vacuum leaks in the system. It's a good idea to plumb a vacuum gauge in the circuit to check how long it holds vacuum.

If that test ok then this problem is caused by the hysteresis between the one-way valve, relay and vacuum switch.

If there are long runs of vacuum pipe between components this can cause this. Sometimes changing distances from components can help this problem. The last option is creating a time delay in the electrical circuit which allows the system to settle and switch off cleanly. We sell a Hella timer relay which is suitable for this.