

Frequently asked Questions Mercedes Superpumps.  
4,5,6cyl pumps, built with 6mm 7,5mm or 8mm elements.

### **What does it cost?**

If you send in a mechanical pump to us for overhaul and upgrade, the price is 11500SEK including VAT. (9200SEK ex VAT for customers outside of the EU)

If you dont have a mechancial pump to send in, then we can offer to sell you a complete pump. Price for complete pump from today is 17500SEK inc VAT. (14000SEK ex VAT for customers outside of the EU)

Shippingcost back to you will be extra.

For overhaul and upgrade of EDC pumps, the price if you send us a pump to build on is 10000SEK inc VAT. (8000SEK for non EU customers)

And for complete EDC pump, its 13000SEK inc VAT. (10400SEK ex VAT for non EU customers.)

### **How do i send in my pump?**

To send in your pump you have to make sure you empty it from oil and fuel.

Package the pump well in a box, make sure to put the pump in plastic bag to catch eventual oil that is still in the pump.

Also make sure to use good packing material so that the pump does not break in the shipping.

The shippingcompanys is hard to the packages and they do not cover any damages on parts that has not been packaged enough.

Inside the box with the pump you should also place the "Work order Form". Fully filled in.

The "Work order Form" you get by email, just email [dieselmeken@msn.com](mailto:dieselmeken@msn.com) and ask for "the form to send in mercedes injectionpump"

Our address to ship the pump to:

**Dieselmeken i Aneby AB**

**Torggatan 7**

**57833 Aneby**

**Sweden**

**Phone: +46705176566**

### **Have the pump i sent arrived at Dieselmeken?**

The fastest and best way to see if your parcel have been delivered to us is to check the trackingnumber you got from the shippingcompany you sent the pump with.

Do not ask if we have recived the parcel before you have checked your trackingnumber.

**How do i order a complete pump?**

To place an order for a complete pump, you send us an email to [Dieselmeken@msn.com](mailto:Dieselmeken@msn.com)

In the email we will need to have the following information from you.

**Full name:**

**Street Adress:**

**Zip and Town:**

**Country:**

**Telephonenumber:**

We will also need to know abit more about your project and how much power you want.

For example:

**Do you want mechanical or EDC pump?**

**For what engine?**

**How much power do you want?**

**What turbo are you going to use?**

**Manual or Auto transmission?**

**How long does it take?**

At the moment the waitingtime is about 4-6 weeks from the time we receive your pump until its done.

Its the same with orders on complete pumps, but then the waitingtime is from the time we get the order for the complete pump.

**What payment options do you offer?**

Payment is done when we have made your pump and its ready to be shipped out.

As soon as we have the pump ready, we will make an invocie and send to you by email.

In the email you will also find our bankinformation for payments.

The best option for payment for customers outside of Sweden is:

International banktransfer through your bank. Using IBAN & BIC numbers.

Or you can also use [www.wise.com](http://www.wise.com)

For swedish customers you can pay through bank-giro or by swish.

### **When and how do you send me my pump?**

We will ship your pump to you as soon as full payment have been made.

When we have received full payment we will book and make sure the shippingcompany pick up your package. You will also receive an email with a trackinglink from TKL Logistics.

Shippingcompanys we use is:

TNT, DHL and UPS

If you want us to use a specific courier of these 3. you have to specify which in the workorder form.

Otherwise we will use the one with the best deliverytime to price ratio.

### **What options do you offer?**

For the mechanical pumps we offer the following Overhaul/upgrades.

**Stock overhaul** for stock or max 5% over stock power. (price for this depends on the condition of the pump you send in)

**6mm upgrade.** The 6mm upgrade is good for stock power up to about 50hp per cylinder maximum.

(with a 6mm pump on a om606 for example, the max power is about 300hp)

comes with outside aldaakit for easy adjustments of max power and to reduce smoke.

This is a good choice if you just want abit more power, but will not change to a bigger turbo turbocharger. Or if you are going to use the stock 722.3/4 auto transmission controlled by Vacuum.

### **7.5mm upgrade.**

The 7.5mm upgrades is the most common choice. Gives about max 170cc of fuel.

comes with outside aldaakit for easy adjustments of max power and to reduce smoke.

Its good from about 40hp to 90hp/cylinder. (from 250hp up to about 550hp in an om606)

If you want good power but still wants to use the car for other activities than just on the racetrack or burnout competition. Then this is the choice for you.

### **8mm upgrade.**

This is our Race pump, it's made and setup to be used on the racetrack for maximum fuel output and power. Gives about max 200-230cc of fuel maximum.

This is the choice for you who have a built engine with stronger rods, valvesprings, big turbo or compund setup and uses your car on the racetrack for the most part.

Good for power between 65 to 120hp/cyl.

If your intentions is anything other than max power and trackdays. Then choose the 7.5mm instead.

**I only have The EDC pump from the om605 or om606 engine. Can you make it mechanical?**

Sorry, no. Its not possible to make the EDC pump to be fully mecahncail.

If you want a mechanical superpump, then we will need to start build on a mechanical pump.

You can either find one yourself and send to us for overhaul and upgrade. Or you can buy one complete without you needing to supply us with a mechanical pump core.

For the om606 we use the om603 mechanical pumps. Or the mechanical pump from the non turbo om606 fitted in the w124 chassie.

For the om605 we use the om602 mechanical pumps or the mechanical pump from the non turbo om605. Please see the (Which pump do i need for my om605?)

**Which pump do i need for my om605?**

Unlike the om606 where its possible to use any of the om603 pumps. The om605 needs the mechanical pump from a om605 non turbo OR om602 pump from an automatic transmission car.

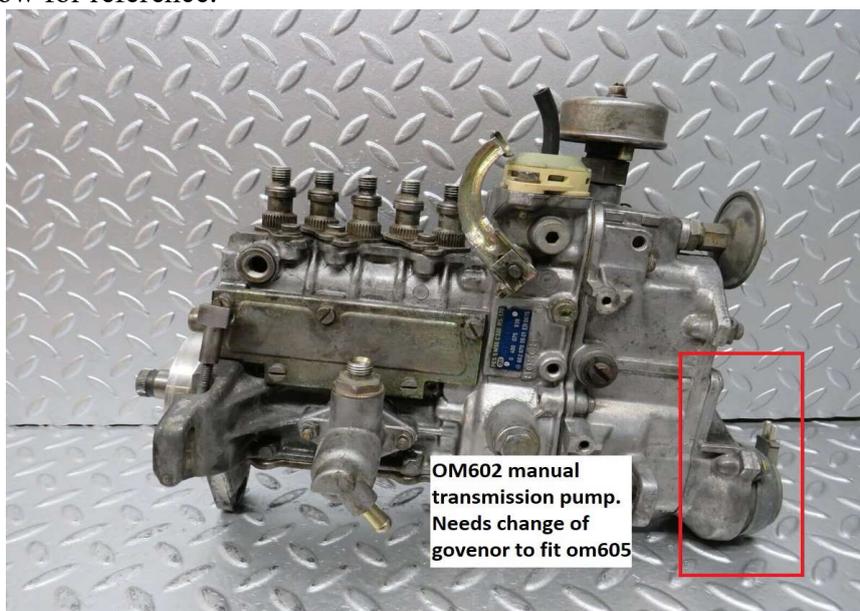
The om602 pump from the automatic car has a shorter govonor. Where the om602 pump from a manual car have an extension for the ARA magnet. This extension will interfere with the water to oil cooler on the om605.

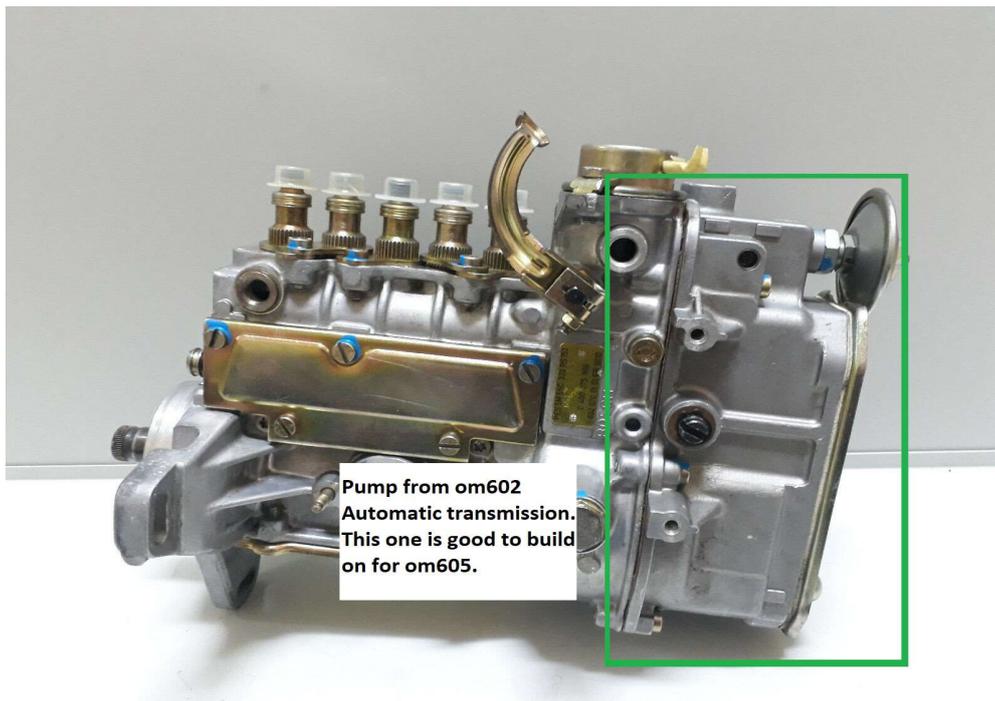
If you have a om602 pump with this extension that you want to send in for us to overhaul and upgrade for your om605, then we can do it but we will need to change the govonor to the automatic one.

Price extra for this will be 1500SEK inc VAT, (1200SEK ex VAT).

When you order a complete pump for a OM605 from us we will make sure you get a pump with the short govonor that fits your engine.

See pictures below for reference:





### **How many "CC" do i need?**

"CC" is Cubic Centimeters of fuel per 1000 strokes of the plunger in the injection pump.

The max "CC", often specified is the amount of fuel the pump have put out during 1000strokes with the throttle lever set at its max position.

When you send in a pump to us for overhaul and upgrade, and you specify for example "400hp, 7.5mm om606".

Then we will build your pump with out 7.5mm elements, the pump will be giving max about 170cc. But the aldakit will be limiting the max fuel output to about 48cc of fuel without boostpressure and about 130cc of fuel with full boostpressure.

This is because, for the om606 to produce about 400hp it will only need around 120-130cc of fuel and about 2.2-2.4 bar of boostpressure.

With the 170cc 7.5mm pump you will then be able to adjust up the max fuel on the outside aldakit to the pumps max at 170cc.

170cc in a om606 is with enough boostpressure around 550hp..

**How do i adjust my outside aldakit on the DM pump?**

The adjustment on the outside aldakit is very simple.

The adjustment screw marked with blue is max fuel without boostpressure.

This is the "smoke screw."

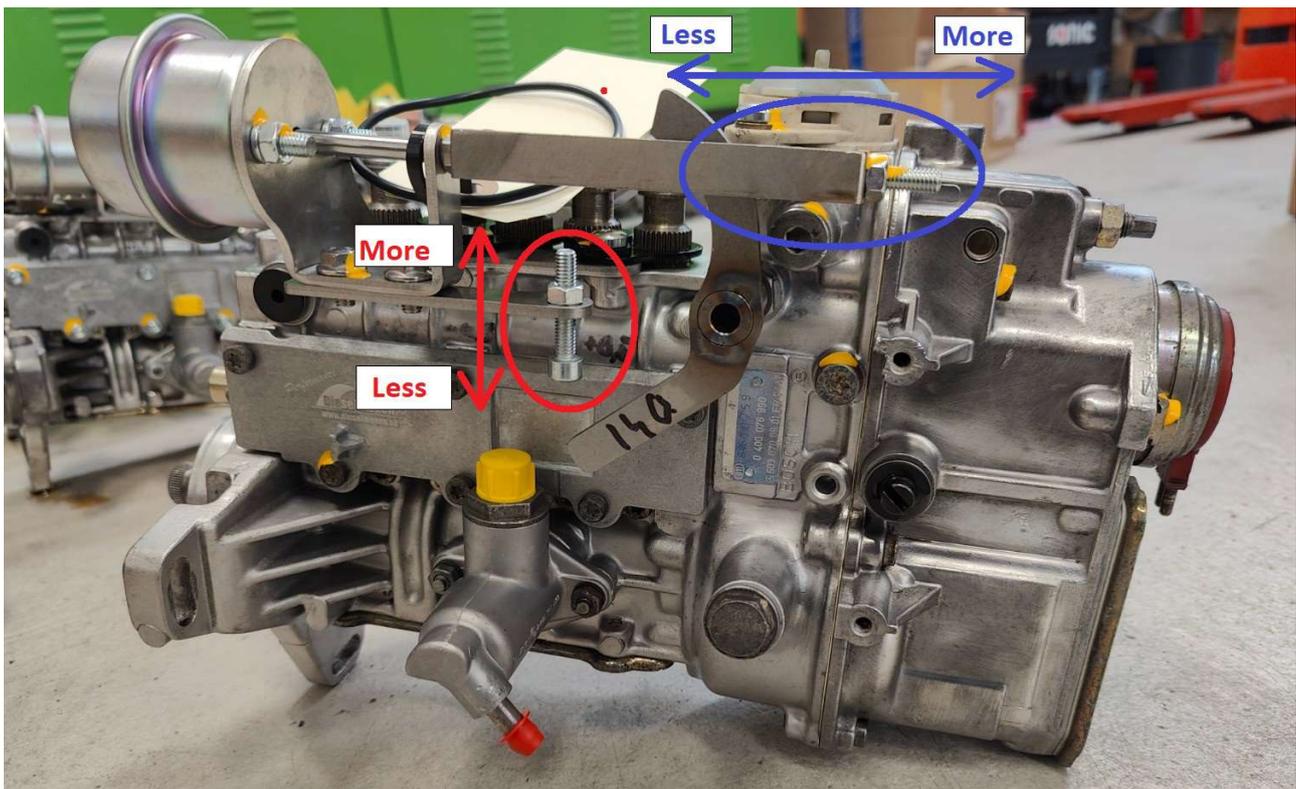
to adjust this, only do small adjustments at the time and do a testdrive between adjustments.

The settings on this one is most sensitive so no adjustments of more than 1/2 turn at the time is recommended.

The adjustment screw marked with red is the max fuel with boostpressure adjustment.

This is your max power screw.

If you adjust it up then you get more fuel with full boostpressure, which makes the engine produce more power.



*Picture of adjustments on outside aldakit.*

**My car is a standard om606 turbo and I want more power. How do i get more power?**

When your car from factory have the om606.96x turbo engine, then you have to decide if you want to mechanical swap it or if you want to have the EDC pump upgraded. OR maybe you will be okey with just a ECU reflash.

If your max powergoal is around 250-300hp, then you will probably be okey with just having the ECU reflashed and a slight turbo upgrade.

The ECU reflash is nothing that Dieselmeken offers. For ECU reflash we would recommend that you take contact with Sean Treacy located Ireland, or your local tuner.

If you want more power for lets say 300 to 500hp, then a reflash and an upgraded EDC pump will be a good alternative. With the reflash and the upgraded 7.5mm EDC pump you will still have all functions working, like stock TCU, cruise-control and no warning messages in the dash. About the reflash its the same story here, take contact with Sean Treacy or your local tuner.

If you like electrical work and tuning yourself you also have the possibility to change the Stock ECU for a Baldur Controls DSL1 unit. This is a standalone ECU, designed to run the EDC pumps on the om60x engines. For more info about this controller, have a look at [www.controls.is](http://www.controls.is)

For a mechanical swap you will have to do some fabrication to get a throttle linkage fitted, aswell as some electrical and vacuum work to get the stop and start functioning. You will also need to fit an aftermarket controller for the gearbox as the stock TCU will stop working when you remove the EDC pump. The mechanical swap is therefor only for the more extreme projects.

**This document will be completed with more and more FAQ.**

**If your question is not answered by the answers in this document, of if you got more questions. Please dont hesitate to send us an email with your question.**

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