

POWER ENGINEERING LTD



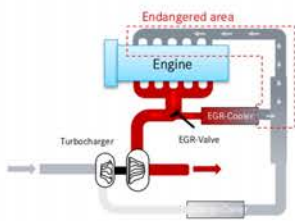
WHY BUY MP4-AS AS OPPOSED TO UK SPECIFICATION

You will find that there are many MP4 units being shipped from the UK with no additional work carried out on them and customers are being advised that the Adblue is being switched off. This does not work and the consequences are poor fuel consumption and engine damage can occur in the long run. Additionally at present the Actros 2543 cannot be down rated as Mercedes at present have not developed a de-rate kit to Euro 0 or 3, due to the fact that the vehicle has a small engine only 10677cc compared to 12807cc on an Actros 2542. The overall package available for the African market with the MP4-AS is proving to be a big success on it's overall saving on fuel and reduces maintenance costs.

BELOW IS AN EXTRACT FROM MERCEDES MB

Downgrade Retrofit – New Actros Euro 5 / Euro 6

Consequential damages from high sulphur Diesel (>500 ppm)



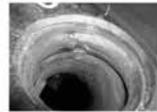
EGR concept is not suitable for high sulphur Diesel

- Formation of aggressive acids from the condensation causing damage to the engine components



Intake valves and valve seat rings

- Damaged intake valve
- Corroded/damaged intake valve seat ring



- Deposits due to high amount of blow-by gases, wear metals and acids.

- Damage to the EGR components.
 - Corrosion in EGR charge air parts.
 - Plugged venturi sensor bores

- Contamination of engine oil from the wear metals (iron, aluminium) and acids.



Cylinder liners, pistons, piston rings

- Corrosion/wear
- High oil consumption
- Risk of scuffing



Mercedes-Benz



UK SPEC STANDARD MP4 V AFRICA SPEC MP4-AS BY POWER ENGINEERING

CONS

PRO'S & CON'S

PRO'S

The new Actros has a lower ground clearance in the UK compared to previous models and so this could become an issue in poor terrain.



The suspension has been raised and stiffened to increase ground clearance and reduce excessive leaning, while the vehicle is manoeuvred on uneven ground.

Radiator

Due to the position of the radiator being lower than the front bumper, this can cause an issue for damage in certain road conditions



Radiator Guard

A special high tensile 6mm re-inforced plate is specifically manufactured to protect the radiator from hazards

Front Bumper

As with all modern vehicles plastics are used more and more in production but can be vulnerable to damage



Front Bumper

This model has had a heavy duty front bumper guard added to protect the plastics and radiator from damage

Fuel System

The new 471 engines are very durable and excellent on fuel but are vulnerable to any ingress of water



Fuel System

The vehicle is de-rated from Euro 5 so no Adblue is required and an additional fuel filter with water separator is fitted