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Ram hood from Donaldson Filtration improves engine air intakes

MAN trucks & buses for Africa



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Donaldson's total air intake system

Donaldson's Intake Systems enhance performance and reduces fuel consumption while minimising the amount of service parts on transport vehicles.

Donaldson's Intake Systems Technology features a total systems approach to engine air intake design. The advantages of the approach include improved filtration, simplified design, and the benefit of fewer service parts for transport vehicle owners.

Donaldson sales director Rob Simpson explains: "Donaldson's technology addresses the engine air intake system as a whole, including intake plenum, dirty air ducting, air cleaner, intake accessories, clean air ducting to the turbo-charger, as well as extras such as pre-cleaners and moisture eliminators."

Intake accessories

"They may be called accessories, but these add-ons are more than just for show - most are designed

to solve specific problems such as moisture ingestion, leaves or debris clogging the air inlet, air intake noise and water problems, and so on," explains Simpson.

Mounting bands, filter service indicators, inlet hoods, stack pipes, pre-cleaners, rubber sleeves and connectors, replacement dust cups – a wide variety of performance-enhancing accessories are available for the intake system, finished in durable chrome, black rust-resistant paint, or black polymer.

Intake system piping & attachments

Piping features and attachments for the intake system comprise mounting bands, clamps, straight pipe, rubber elbows and reducers, rubber humps hoses and reducers, as well as charge air connectors.



TYPICAL SYSTEM LAYOUT: The ram hood is located at the top, with the rubber bellow vertically below it. The moisture skimmer is located in the centre to the left of the filter assembly, which includes hoses, clamps and an indicator. To the left of the moisture skimmer is the vacuum valve.

