

REAL

August 2023

Torque

Traffic Management Attenuators

Contact maintenance for any questions on 0800 80 80 69

Put simply, an attenuator is an energy absorption device that is designed to cushion the impact of a vehicle crashing into the back of it.

There are several different designs, but the basic concept is that the attenuator has a mechanical component designed to collapse, fold up, or be cut into, in order to absorb the energy.

Attenuators are used to save the lives of not only those unlucky enough to crash into them, but also to protect the workers carrying out roadside tasks and traffic management.



TR Group have truck-mounted attenuators (TMA) on our level 2 and 3 traffic management trucks.

They are sourced from multiple manufacturers ranging from Alpha, UMAD, Scorpion, and Verdegro.

The most common attenuators we use in our fleet are the Scorpion and Verdegro Blade.

The **Scorpion**, available in TL-2 and TL-3 configurations, has aluminium boxes filled with honeycomb-style absorption material and aluminium tubular hoops mounted on the sides. Together these provide the cushioning action to minimise the impact of the vehicle.



The **Verdegro Blade** is of a different construction and has a set of blades that are designed to cut through the aluminium structure H-beams and collapse as the vehicle crashes into the rear. This particular unit has the ability to go from TL-2 to TL-3 by simply extending out to its full length.



Routine maintenance and rental de-hire check-ins.

Since these units are tasked with saving lives, ensuring they are maintained and kept in tip-top shape is extremely important.

Daily and weekly tasks and checks range from checking the operation of the units right up to ensuring there are no damages or premature wear and tear. At TR Group, our maintenance program includes regular three monthly inspections and an annual service that involves a more thorough going over. An attenuator is a critical piece of equipment and requires a level of care and maintenance, so the below areas are key



Cracked/damaged H-beam.



Worn nylon gear track on the H-beam.



Damaged guide roller due to the unit not being correctly adjusted.



Damage to the rear outer skin.

Some key areas for rental check-ins are:

- ▶ Damage to outer structure, support rollers, cracking and gear tracks (Blade).
- ▶ Debris inside the H-beams, such as birds' nests, etc (Blade).
- ▶ Sagging or bending of the unit (not sitting at a specified height).
- ▶ Checking if the service history is up to date.

These units can be very sensitive to damage, and regular maintenance is our way of keeping constant eyes on the products and keeping them at a required standard.



Tips and Tricks

- ▶ Complete a daily visual inspection of the unit.
- ▶ Check and make sure the unit raises and lowers correctly.
- ▶ Look out for damage, cracks, leaks and loose items.
- ▶ Ensure servicing is up to date.
- ▶ Use the correct suppliers when carrying out servicing and repairs.
- ▶ Complete a good handover when handing over the unit.



TR Tips

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