

Bulletin No. 072
Date: 01 July 2003
Subject: Front Under-run Protection (FUP)

Under new legislation on Front Under-run Protection, all vehicles exceeding 7.5t GVW, registered on or after 10.08.03, will have to be fitted with FUP unless the vehicle meets the 'off-road' criteria.

26.285DFRK

The MAN 26.285 DFK 6x4 chassis with steel front bumper and either 12R22.5 or 315/80R22.5 tyres on the front axle, meets the 'off-road' criteria for exemption from Front Under-run Protection.

This 'off-road' status is achieved by the vehicle complying with the following conditions:

- Approach angle > 25 degrees
- Departure angle > 25 degrees
- Minimum height of chassis components between axle 1 & 2 > 300mm
- Minimum height beneath front axle > 250mm

It is essential that these values are maintained in order for the chassis to keep its 'off-road' status.

Please note:

Therefore, careful consideration must be given to any equipment or bodywork that is to be fitted to ensure that this is the case.

For example;

1. skip loaders or roll-on-off have rear stabilisers that will eliminate the departure angle
2. long body overhangs could also eliminate the departure angle
3. drawbar couplings will do the same
4. sideguards will eliminate the 300mm between axle measurement.
5. smaller tyres than standard could also affect minimum heights

For these examples, a plastic front bumper with FUP **must** be the only option.

18.225/285LRK

Again, tests carried out have concluded that this chassis type when fitted with steel bumper, 200 litre fuel tank and either 12R22.5 or 315/80R22.5 tyres on the front axle, also meet the 'off-road' criteria and will be exempt from FUP.

This 'off-road' status is achieved by the vehicle complying with the following conditions:

- Approach angle > 25 degrees
- Departure angle > 25 degrees
- Minimum ramp angle > 25 degrees
- Minimum height beneath front axle > 250mm
- Minimum height of chassis components between axle 1 & 2 > 300mm

Please note:

As the law requires that the vehicle only has to achieve 4 of the above criteria, it is possible for most types of bodies to be fitted to this chassis. However, if more than one of these is compromised by the bodywork, the vehicle **must** be fitted with plastic bumper and FUP.

Yours sincerely



Keith Mulhall
Engineering Manager

Yours sincerely



David Burke
Marketing Director