

Technical Bulletin No: 20 - version 2

Subject: HMV Lighting:- End-Outline and Non-Specified (Cosmetic) Lamps
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This bulletin has been updated due to an amendment to the lighting rule and supersedes the previous version dated 1 May 2007. It has been collated to make it easier to understand and identify the difference between end-outline marker lamps and non-specified (cosmetic) lamps, and what is and is not permitted to be fitted. The requirements outlined in this bulletin are to be implemented as of 1 March 2008 for entry certification and 1 September for all vehicles in-service.

End-outline marker lamps are position lamps that are designed to be fitted near the extremity of a vehicle, and include cab roof lamps. Any that are fitted to the front or rear at the top corners may be defined as 'top-mounted forward-facing (or rearward-facing) position lamps'.

Non-specified (cosmetic) lamps are lamps that are not specified in Table 4-15-1, page 4-15-1 of the in-service VIRM. These lamps must be mounted no closer than 250mm to a mandatory lamp, and when viewed from the front, rear and sides, the light emitting surfaces (lenses) must not be visible as illustrated in Figure 4-15-1, page 4-15-2 of the in-service VIRM.

The following picture illustrates some of these types of lamps.



Top-mounted forward facing position lamps (not end-outline marker lamps)

Forward-facing end-outline marker lamps (include cab roof lamps)

Forward facing non-specified (cosmetic) lamps or daytime running lamps – **see Note 1**

Forward facing position lamps below 1.5m (incorporated in headlamps)

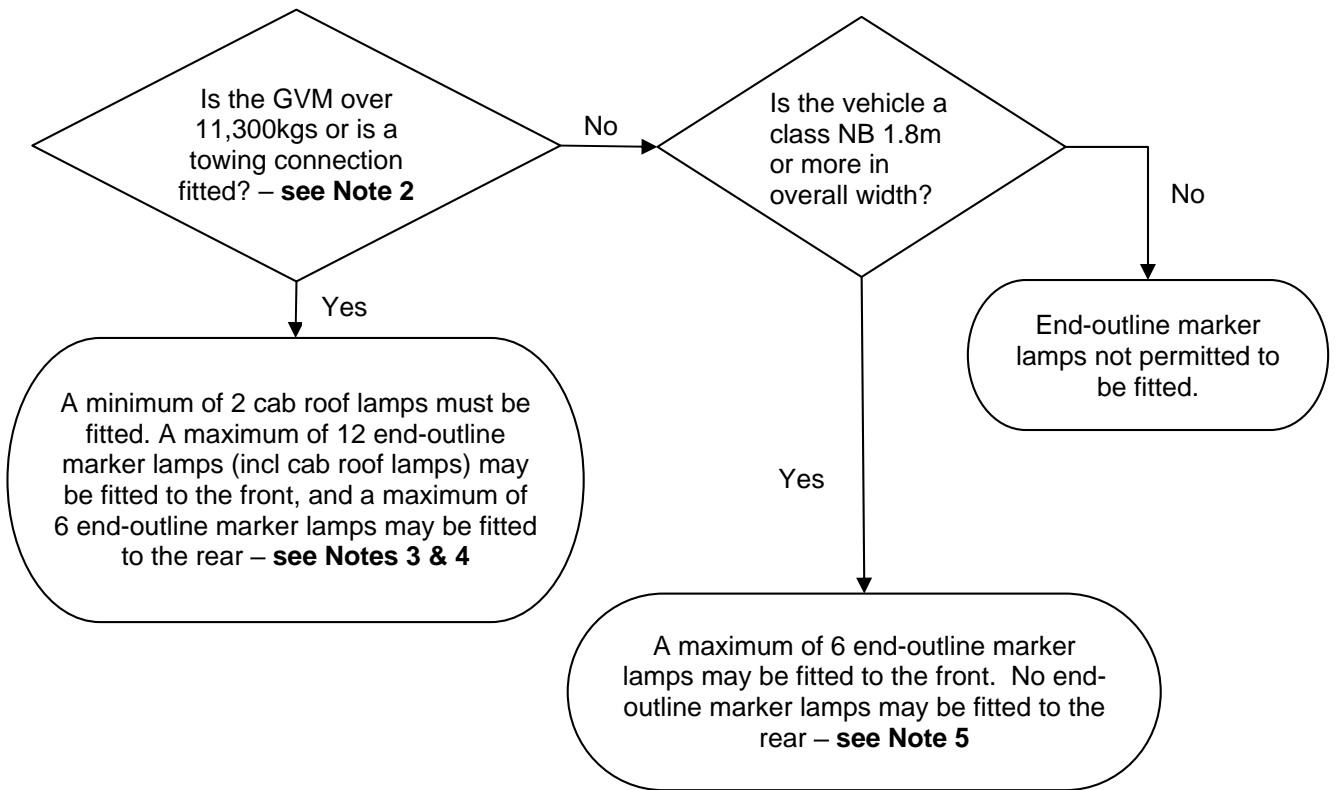
Forward facing end-outline marker lamps

Note 1: These lamps are acceptable as daytime running lamps providing they are mounted as far towards each side as practical. Daytime running lamps must be checked for approved standards when inspected at entry.

END-OUTLINE MARKER LAMPS

After having identified the lamps, the question now is are all of the end-outline marker lamps allowed to remain fitted?

Follow the flowchart below:



Note 2: This applies to vehicles of class MD3, MD4, ME, NB, NC, TC or TD.

Note 3: The maximum number of forward facing end-outline marker lamps has been increased from 6 to 12. The maximum number of rearward facing end-outline marker lamps has been increased from 4 to 6.

Note 4: The vehicle depicted on page 1 has 16 lamps which can be regarded as forward-facing end-outline marker lamps. This number has to be reduced to 12. Excess lamps (e.g those on the front bumper or mirrors) can be either forward-facing end-outline marker lamps or non-specified (cosmetic) lamps. They must be:

- Shielded and treated as non-specified (cosmetic) lamps – refer In-Service VIRM, p 4-15-2, or
- Removed, or
- Disabled if the vehicle is a class NC and first registered in NZ before 27/02/2005.

Excess rearward-facing end-outline marker lamps fitted to the rear may be disabled.

Note 5: This is a new requirement for those class NB vehicles 1.8 metres or more in overall width and not fitted with a towing connection. However if the class NB vehicle has a GVM over 11,300 kgs or is fitted with a towing connection, it may be fitted with up to 12 forward facing end-outline marker lamps, regardless of the width of the vehicle. If fitted with excess forward facing end-outline marker lamps, note 4 a) above applies, or they must be removed, regardless of the first registered date in NZ.

NON-SPECIFIED (COSMETIC) LAMPS

Now we come to non-specified (cosmetic) lamps. The picture on page 1 shows a possible 6 non-specified (cosmetic) lamps fitted, 4 around the outside of the vehicle and 2 fitted between the bumper and the grill (these 2 lamps cannot be considered as daytime running lamps if they are not mounted as far towards each side as practical). The owner of this truck will have the following options.

- a) Shield and treat as non-specified (cosmetic) lamps – refer In-Service VIRM, p 4-15-2, or
- b) Remove, or
- c) Disable if the vehicle is a class NC and first registered in NZ before 27/02/2005.

Any rear or side non-specified (cosmetic) lamp may be disabled if it cannot be made to comply.

Can a side mounted non-specified (cosmetic) lamp be designated a side-marker lamp?

Yes it may providing it meets all condition and performance requirements for side-marker lamps as set out on page 4-8-1 of the in-service VIRM.



Side-marker lamps or non-specified (cosmetic) lamps?