

**APPROVED TACHOGRAPH CENTRE SPECIAL NOTICE**  
**SN – 3-2009**  
**Issued July 2009**

Designated Managers (DMs) must read and understand the content of this Special Notice (SN) and sign to that effect in the box below.

DMs must also ensure all Nominated Technicians (NTs) are issued with this Special Notice, read and understand its contents and sign to confirm they have read and understood its contents.

DMs are required to keep the signed Special Notices in the rear of the Approved Tachograph Centre Manual which should always be available for reference.

All NTs must sign in the boxes below to confirm that they have read and understood the contents of this Special Notice.

These Special Notices may be requested by VOSA staff for inspection during routine visits.

DM	NT	NT	NT
NT	NT	NT	NT
NT	NT	NT	NT

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To all Designated Managers and Nominated Technicians in Analogue and Digital approved centres.

The last Special Notice was: 2-2009

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## **Item 1: Digital Tachograph fitment in M1 / N1 vehicles**

A number of light vehicles registered on or after the 1<sup>st</sup> May 2006 that require a digital tachograph have not been able to be fitted with a digital tachograph due to the design of the vehicle which prevents a motion sensor being fitted to the gearbox.

VOSA has supported vehicle operators through approving “mechanical adaptor” installations for a number of vehicles. These adaptors require the motion sensor to be located either in the differential housing or utilise an intermediate adaptor device between the gearbox and the motion sensor. (See table of VOSA approved mechanical adaptors below). **If a mechanical adaptor solution has been approved for a type of vehicle, an electronic adaptor as described in this notice must not be used.**

On 23<sup>rd</sup> January 2009 the European Commission published EC Regulation 68-2009. This allows the use of **type approved electronic adaptors** to be fitted to M1 and N1 category vehicles put into service for the first time (i.e. registered) between 1<sup>st</sup> May 2006 and 31<sup>st</sup> December 2013. The regulation will come into effect from the 24<sup>th</sup> July 2009 across Europe.

The Regulation requires that the electronic adaptors are:

- Type approved
- Sold to Approved Tachograph Centres only (the manufacturers will provide VOSA with a list of devices sold)
- Are fitted by Approved Tachograph Centres
- Have additional plaque information added containing the following information:
  1. The part of the vehicle where the electronic adaptor, if any, is installed,
  2. The part of the vehicle where the motion sensor is installed, if not connected to the gearbox or an adaptor is not being used,
  3. A description of the colour of the cable between the electronic adaptor and that part of the vehicle providing its incoming impulses,
  4. The serial number of the embedded motion sensor of the electronic adaptor.
- The descriptive plaque attached to the adaptor, that the following information is hand written onto the plaque at time of installation in the area provided:
  1. Date on which the adaptor has been installed.
  2. The vehicle identification number of the vehicle on which it has been installed.

Note: The additional plaque may be printed or hand written. In both instances the plaque **MUST** contain the details of the Centre carrying out the installation. In addition to the details shown above, it **MUST** be located in close proximity to the calibration plaque and be protected with a laminated cover if it is not of an approved tamperproof design. **The GV212 is to be annotated to record the adaptor installation through the manual addition of the word “ADAPTOR”.**

**NOTE: The additional plaque information will be required to be fitted retrospectively from July 24<sup>th</sup>, to the vehicles that have already had mechanical**

adaptors fitted. This will be required at the first periodic inspection since the original installation took place.

**Type approved electronic adaptors available**

Stoneridge Electronic Adaptor  
Continental Electronic adaptor

**What are M1 and N1 vehicles?**

M1 and N1 vehicles are defined in the Framework Directive 70/156/EEC:

Category M: Motor vehicles having at least four wheels, or having three wheels when the maximum weight exceeds 1 metric ton, and used for the carriage of passengers. -

**Category M1: Vehicles used for the carriage of passengers and comprising no more than eight seats in addition to the driver's seat.**

Category N: Motor vehicles having at least four wheels, or having three wheels when the maximum weight exceeds 1 metric ton, and used for the carriage of goods. –

**Category N1: Vehicles used for the carriage of goods and having a maximum weight not exceeding 3.5 metric tons**

**Table of mechanical adaptor solutions that have been approved by VOSA**

<b>Manufacturer</b>	<b>Model</b>	<b>Year</b>	<b>Engine type</b>	<b>Transmission</b>	<b>Supplier Details</b>
Ford	MK 6 Transit FWD	2000 – early 2006	85T260, 100T260, 100T280	Man 5 speed	Stoneridge
Ford	Ranger	2007 on	Duratorq	Mazda	Stoneridge
Mitsubishi	Shogun / Pajero / Montero	2007 on	3.2 DI-DC	5 speed manual	Stoneridge
Mazda	BT-50 (with radio kit)	2007 on	Duratorq	Mazda 4X4 5 speed manual	Stoneridge
Ssangyong	Rexton S TOD	2006 on	Diesel	Manual / Auto	Continental
Ssangyong	Kyron TOD	2006 on	Diesel	Manual / Auto	Continental
Landrover	Defender	1998 on	Diesel	Manual	Continental
Mitsubishi / Isuzu	Rodeo – L200	2006 on	Diesel	Manual / Auto	Continental
Nissan	Navara	2006 on			Nissan GB (note 3)
Hummer	H2			Rear wheel drive	Limo Engineering (note 1)
Hummer	H2	2005 on	6.0L Petrol		Chester (note 2)
JCB	Fastrac				JCB
Ford	Excursion	2006 on			See note 1
Ford	F250 – F550 series	2006 on			See note 1

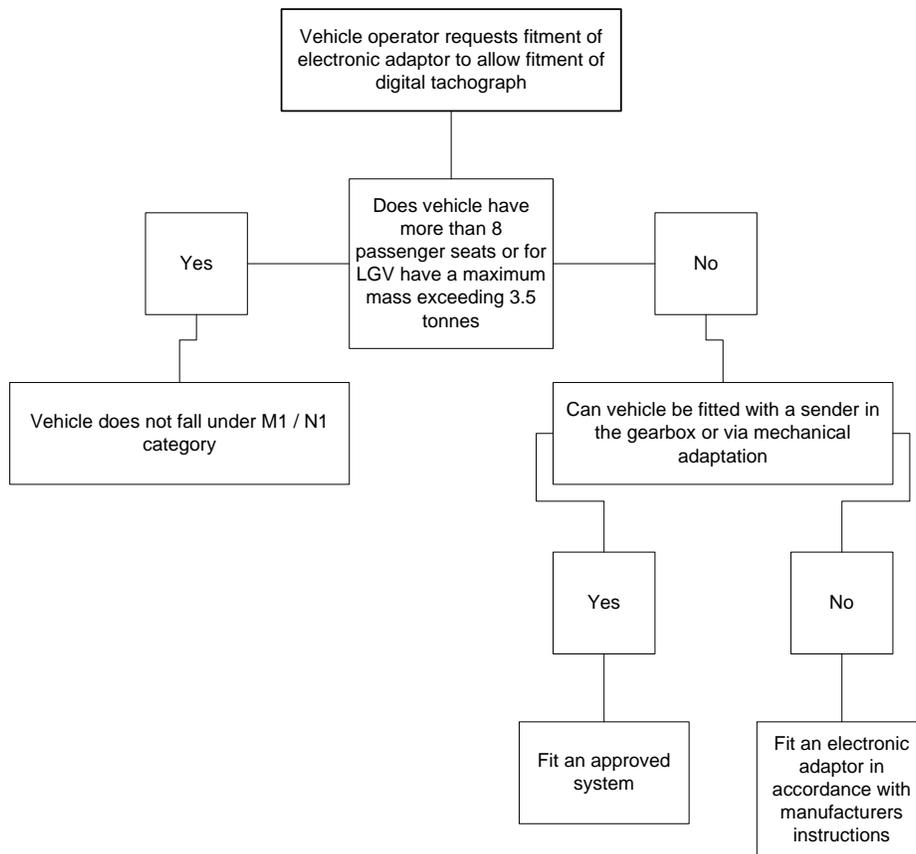
Note 1 - Limo Engineering UK Ltd, Unit 9, Fulcrum 1, Solent Way, Whitely, Hampshire, PO15 7FE

Note 2 – Chester Automatic Transmission Centre, Factory RD, Sandy Croft, Deeside, Flintshire, CH5 2QJ  
Note 3 – Contact Steve Mates @ Nissan Motors GB on 01923 899108

**Important Note: This is a list of vehicles for which a mechanical adaptor has been approved by VOSA for the fitment of a digital tachograph to a declared engine / transmission configuration. If a vehicle is not on the list, it does not mean that a digital tachograph cannot be fitted to that vehicle as the vehicle may already have been developed to have a digital tachograph fitted without the need for a mechanical adaptor.**

**Full installation instructions can be obtained by contacting the relevant supplier.**

Below is a flow chart that can be used to assist in deciding if the vehicle presented is suitable for the installation of an electronic adaptor to be used to fit a digital tachograph.



Issued by Colin Morris

**Colin Morris**

Tachograph Calibration Scheme Project Engineer

On behalf of

**Chris Dormand**

Tachograph and Road Speed Limiter Schemes Manager