

Technical bulletins

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Technical bulletin 1**Noise Quick Check test procedure****Reference**

General vehicles, 11-1 Exhaust system

Motorcycles, 11-1 Exhaust system

What is the purpose of the Noise Quick Check?

The purpose of this test procedure is to enable vehicle inspectors to carry out an exhaust noise check with an acceptable noise meter to ensure that vehicle exhaust systems that have been modified to be noisier than OE remain well below the maximum noise levels specified in law (ie be below the noise limits specified in the VIRM). Any vehicle that fails the Noise Quick Check needs to be made quieter and reinspected and/or referred to an LVV certifier for an Objective Noise Test (ONT).

This quick check test procedure is therefore a simplified version of the ONT to ensure results are comparable to the ONT.

What type of vehicle can be tested?

The quick check may be applied only to a vehicle of class LC, LD, LE, MA, MB, MC, MD1, MD2 or NA that is louder than when it was manufactured with its original exhaust system.

Test site specification

The test environment must be such that exhaust noise readings can be achieved as accurately as possible with as little interference from other noise sources as possible.

To achieve this, the test site must, within at least a 3 m radius from the noise meter microphone:

1. be an open outdoor site (if this is not practicable, a canopied site may be used provided the canopy is at least 3 m above the microphone)
2. be predominantly flat
3. be free from large sound-reflecting surfaces, including buildings, walls, billboards, vehicles, canopy/roof supports, trees or shrubs
4. have a solid surface, such as concrete or asphalt, that is free of any loose or sound-absorbing material.

It is important that a noisy background, eg due to road traffic or wind, is avoided. If in doubt, use the noise meter to measure the background noise either before or after the Noise Quick Check. The background noise must be at least 10 dBA lower than the relevant exhaust noise limit specified in the VIRM. Sharp noise interference such as car doors slamming or loud footsteps must also be avoided to prevent false readings.

Which noise meters are acceptable for this test?

The noise meter must be of 'Type 1' or 'Type 2' (Class 1 or 2) standard to ensure accuracy. The noise meter specifications and a list of other equipment required for noise testing is available on the NZTA website: www.landtransport.govt.nz/certifiers.

The noise meter must be in good operating condition and be maintained within manufacturer's specifications. Regular calibration is required. Make sure you know how to use it correctly by following the manufacturer's instructions.

Technical bulletin 1 Noise Quick Check test procedure (cont.)

Note 1 The NZTA does not currently intend to make it mandatory for inspecting organisations to obtain a noise meter. However, if you are often presented with noisy vehicles, we strongly recommend that you have one available.

Vehicle preparation prior to testing

Before the noise test can be carried out, the vehicle must:

- have its engine at normal operating temperature
- be stationary with park the brake applied
- have the gear selector positioned in neutral (manual) or park (automatic)
- have the air-conditioning system turned off
- have the engine bonnet closed.

Setting up the microphone for testing

1. Ensure the microphone is fitted with the foam wind shield.
2. Height of microphone
 - Mount the noise meter to the tripod. Place it on the ground with the centre of the microphone at about the same height as the centre of the exhaust outlet, but no lower than 200 mm from the ground (see Figure 1). Make sure the microphone is level, regardless of the angle of the exhaust outlet.

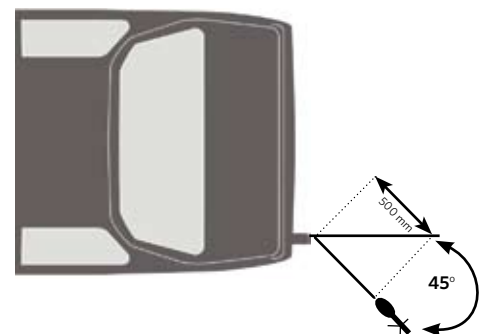


Figure 1: Height of microphone

3. Distance of microphone from exhaust outlet

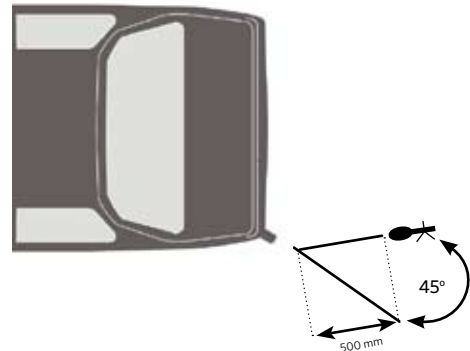
Distance of microphone from exhaust (outlet to the rear)

- Position the noise meter 500 mm from the exhaust outlet at 45 degrees outboard to the longitudinal centreline of the exhaust outlet.



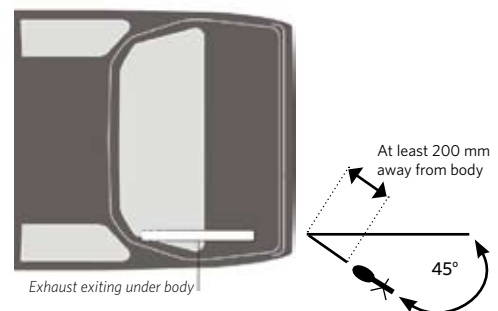
Distance of microphone from exhaust (outlet to the side)

- If the exhaust outlet is at the side of the vehicle, position the noise meter 500 mm/45 degrees where it is the furthest from the engine.



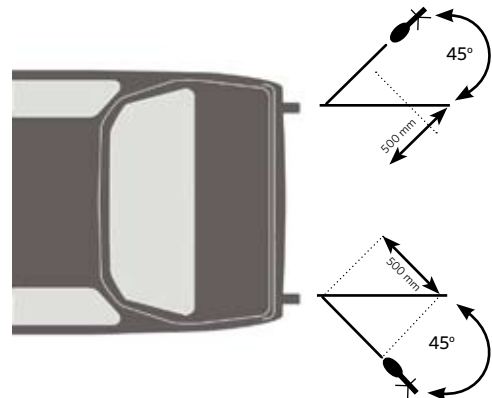
Distance of microphone from exhaust (outlet underneath vehicle)

- For exhaust outlets terminating underneath the vehicle body, fit as close as practicable, but no closer than 200 mm to the vehicle body. The 45 degree angle may be reduced to ensure a clear path between the microphone and the exhaust outlet.



Distance of microphone from exhaust (two outlets)

- If the vehicle has two exhaust outlets less than 300 mm apart, treat them as one outlet with the microphone positioned at the outside outlet. If the two exhaust outlets are more than 300 mm apart, measure each one, with the higher of the two taken as the noise level for the vehicle.



Select the test engine speed

Select the appropriate test engine speed from the table on the next page. Use the vehicle's tachometer when doing the test (if no tachometer is fitted, use your judgement).

Technical bulletin 1 Noise Quick Check test procedure (cont.)

Motorcycle engines

Type of engine	Required test speed
2-stroke single cylinder	6000 rpm
2-stroke multi-cylinder	5000 rpm
4-stroke single cylinder	3000 rpm
4-stroke twin-cylinder with 2 valves per cylinder	2500 rpm
4-stroke twin-cylinder with 3 or more valves per cylinder	4000 rpm
4-stroke with 3 or more cylinders	4500 rpm

Engines other than motorcycle engines

Type of engine	Required test speed
Rotary engine	4500 rpm
Up to 5 cylinders	4000 rpm
Up to 5 cylinders with DOHC and variable valve timing	4800 rpm
6 cylinders	3200 rpm
8 cylinders	3000 rpm
More than 8 cylinders	4000 rpm
Diesel (any type)	2500 rpm

Testing the noise output

1. Make sure that you (the tester) and one assistant (if you require one) are the only persons in the test area.
2. Position and prepare the meter: switch on – warm-up – calibrate (**Note**)– set to A-weighting – set to fast response – select the correct noise level range (usually 'High') – press the Peak-hold or Max-hold button when ready to measure the noise output.

Note To calibrate before testing the vehicle, insert the meter into the calibrator. If the reading on the noise meter differs from the calibrator there is no need to adjust the meter, but the difference needs to be taken into account when determining the final noise reading for the vehicle. For example, if the meter reads 2dBa higher than the calibrator, take off 2dBa from the noise test reading to get the final reading.

3. Measure the noise output by increasing the engine speed from idle to the required test speed, holding it there for at least one second, then taking the foot off the accelerator and letting the engine speed return to idle.
4. Make sure that no other noise sources have interfered with the test result, such as planes flying overhead, doors slamming (take care when getting in and out of the test vehicle), dogs barking and so on. Rattling number plates can also be a source of noise interference. If interference occurred, repeat the test (press the Max/hold button first).
5. The noise meter will show the maximum noise output. Record this reading on your checksheet.
6. Measure the background noise level (this can be done before or after the noise test). The microphone must be in the same position and the vehicle's engine switched off. The background noise level must be at least 10 dBA below the relevant exhaust noise limit as specified in the *VIRM*.

If you come across a vehicle you are not sure how to test, then refer it to an LVV certifier who is approved to carry out an Objective Noise Test.



Passing and failing the vehicle

PASS: The noise reading does not exceed the relevant maximum noise limit specified in the *VIRM: In-service certification*, Section 11-1 Exhaust system and silencer.

FAIL: The noise reading exceeds the relevant maximum noise limit in the *VIRM*. Give the operator the 'Noisy Vehicles' pamphlet.

Technical bulletin 2

Inspection for corrosion in Nissan Terrano and Mistral rear floorpan assemblies

Reference

General vehicles:

- 3-1 Structure
- 7-1 Seats and seat anchorages
- 7-5 Seatbelt and seatbelt anchorages

Safety concern

There is concern about corrosion that can occur in Nissan Terrano or Nissan Mistral vehicles of the type whose rear floorpan assembly consists of a two-layer (double-skin) panel. If moisture gets trapped between the two layers of the floorpan, corrosion can occur around the seat or seatbelt anchorages, affecting their integrity. Corrosion can also occur where the under-floor reinforcing panel overlaps the top floor skin.

Clarification

The rear floorpan assembly consists of a two-layer (double-skin) panel. The lower layer is a reinforcing panel spot-welded to the upper layer floor section.

The Terrano has a rear seat with three seating positions. Situated in the rear floor, beneath the seat, are four seatbelt anchorages and two seat anchorages.

The Mistral has a stressed bench seat in the rear (the seatbelts are attached to the seat) with two seat anchorages in the floor and two seatbelt anchorages in the wheel well at the sides of the seat.

Inspection

The inspector must lift the rear seat to examine this area effectively. Any carpet and sound insulating material covering the panel that the seats are mounted on must be pulled back far enough to expose the rear seam of the panel (the area most commonly affected by corrosion). It is important to note that damage may be more extensive than can be detected during this inspection.

The vehicle must fail if any signs of corrosion are detected during the inspection, such as:

- bubbling of the paint or surface irregularities in the top floor skin or paint
- a patch repair that has rust around it
- separation of the reinforcement panel and the top skin
- discolouration or rust stains at the edges of the reinforcement panel
- rust holes, or
- the floorpan on a Nissan Terrano has been 'patch' repaired after 8 January 1997, or
- the floorpan on a Nissan Mistral has been 'patch' repaired after 10 November 2003.

A vehicle that has been 'patch' repaired before 8 January 1997 (Nissan Terrano) or 10 November 2003 (Nissan Mistral) may pass the inspection provided that:

- no signs of corrosion are apparent, and

Technical bulletin 2

Inspection for corrosion in Nissan Terrano and Mistral rear floorpan assemblies (cont.)

- there is evidence that the repairs were carried out before the above dates, and
- the vehicle inspector considers, or there is evidence provided by a qualified panel beater, that the repair is effective and in sound condition.

Repair options

If any corrosion is detected and the vehicle failed, the floorpan must be replaced.

However, for the following models the Low Volume Vehicle Technical Association (LVVTA) has provided an alternative option to floorpan replacement.

Nissan Terrano Model D21

- installation of the LVVTA rear floor load-bar seatbelt anchorage reinforcement system together with a Low Volume Vehicle certification plate containing the following words in the Body/chassis field: LVVTA 'Rear floor load-bar seatbelt anchorage reinforcement system'.

Nissan Mistral Model R20 5-door

- installation of the LVVTA rear floor load-bar seatbelt anchorage reinforcement system together with a Low Volume Vehicle certification plate containing the following words in the Body/chassis field: 'LVVTA Rear floor load-bar seatbelt anchorage reinforcement system'.

For information about these seatbelt anchorage modifications, and for a list of the LVV certifiers who can certify them, see www.lvvta.org.nz.

Technical bulletin 3

Detecting wear in spring-loaded ball joints

Reference

General vehicles, 9-1 Steering and suspension systems

Motorcycles, 9-1 Steering and suspension systems

Trailers, 6-1 Steering and suspension systems

Safety concern

Wear in the ball joint increases axial play (along the axis of the joint). Spring-loaded ball joints are designed to be self-adjusting in order to compensate for the wear that occurs between the ball and the socket. As a result, the traditional method of rocking the steering to check for ball joint wear may not indicate how much axial play there is and therefore how worn the joint is. An excessively worn joint may be at risk of coming apart and causing steering failure.

Inspection

1. Know the correct test method for checking axial wear in ball joints. This is often specified by the vehicle manufacturer. Some manufacturers do not recommend axial testing at all and test instead for radial wear.
2. Know the manufacturer's maximum permitted wear tolerances. These may vary from as little as 2 mm up to 6 mm.

Figure 1 on the next page shows three examples of common types of spring-loaded ball joints and how to check them for axial wear. If you are not sure of the correct test method or the maximum permitted wear limits, you should seek the information in the vehicle manual or from an authorised dealer for that vehicle (there may be a charge for this). This will ensure that the vehicle is correctly passed or failed during a WoF or CoF inspection.

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Detecting wear in spring-loaded ball joints (cont.)

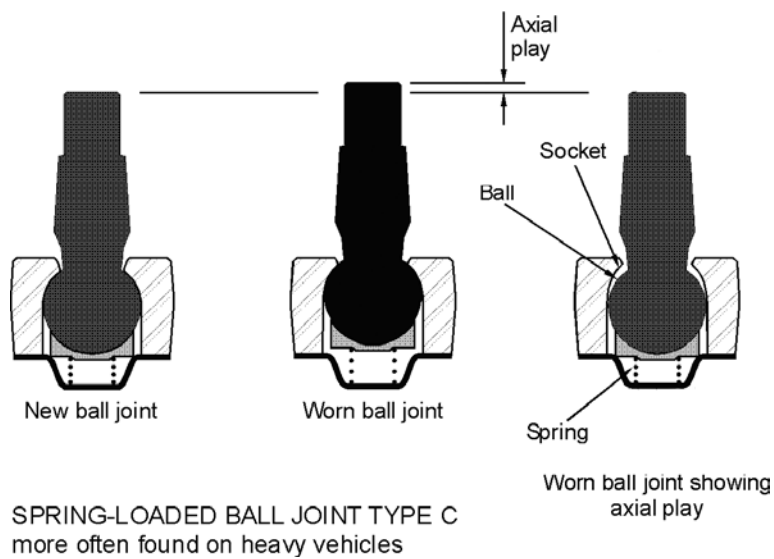
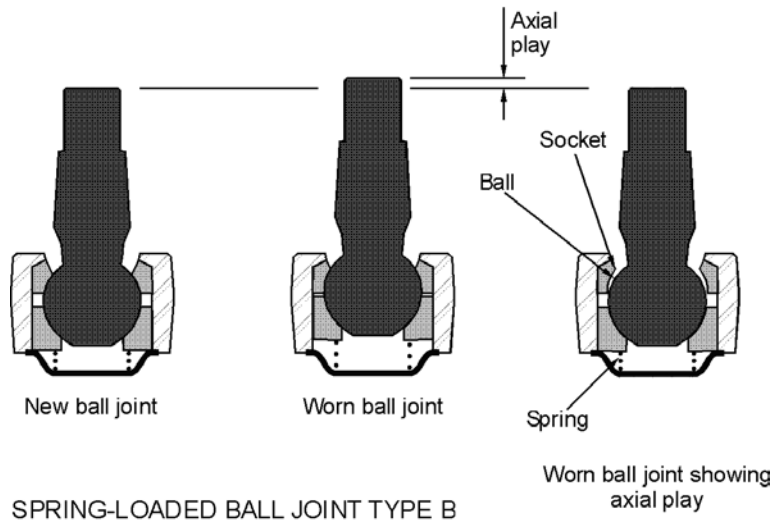
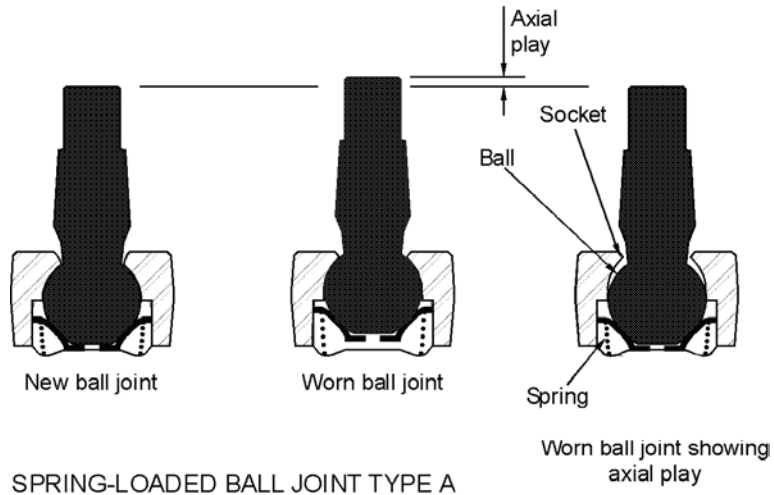


Figure 1. Examples of wear in spring-loaded ball joints

Technical bulletin 4

Jacking points for common suspension types

Reference

General vehicles, 9-1 Steering and suspension systems

Motorcycles, 9-1 Steering and suspension systems

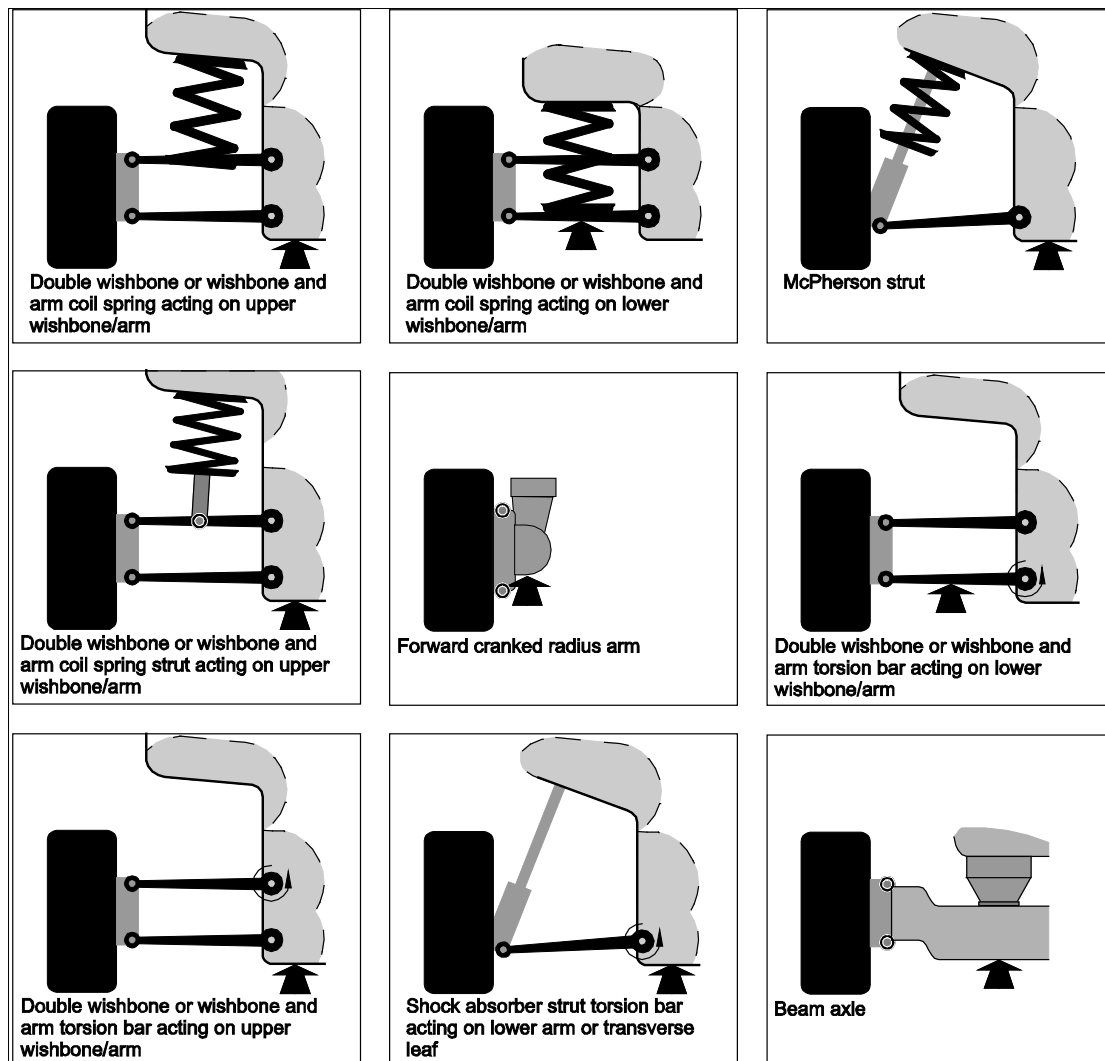
Trailers, 6-1 Steering and suspension systems

Safety concern

Excessive wear in and subsequent failure of suspension ball joints can seriously affect the safe handling of the vehicle.

Inspection

To ensure that ball joint wear can be correctly detected, it is important that the vehicle is jacked up correctly, depending on which type of suspension the vehicle is fitted with. The jacking points for common types of suspension are illustrated below.



Technical bulletin 5

Webbing clamp seatbelts in class MA vehicles

Reference

General vehicles, 7-5 Seatbelts and seatbelt anchorages

Application

This bulletin applies to class MA vehicles fitted with a single- (R1) or dual- (R2) sensitive retractor seatbelt in a front outer seating position where that seatbelt has failed a WoF or CoF inspection.

This bulletin does not apply to vehicles:

- fitted with airbags as original equipment
- not listed in **Table 1** below (ie where the fitting of webbing clamp seatbelts has not been approved by the vehicle manufacturer)
- that are required to comply with an approved frontal impact standard, ie vehicles with a GVM of 2500 kg or less that were:
 - manufactured on or after 1 March 1999
 - first registered in New Zealand on or after 1 April 2002 that were less than 20 years old at the time of first registration in New Zealand
- with OE specification seatbelts that have features specifically designed to operate in conjunction with other parts of an integrated occupant protection system
- in which the fitting of a webbing clamp seatbelt would require modifications to the vehicle structure.

Safety concern

The seatbelts commonly referred to as 'webbing clamp' or 'webbing grabber' seatbelts have features that minimise uncontrolled webbing payout after the locking mechanism has been activated. This ensures that vehicle occupants are kept firmly in their seats in a crash. When installing a new seatbelt after the previous one has failed during a WoF or CoF inspection, a webbing clamp seatbelt is the safest option for many vehicles.

Inspection

A failed type R1 or R2 retractor seatbelt in a front outer seating position must be replaced with a webbing clamp seatbelt (see **Figure 1**) unless a webbing clamp seatbelt is not readily available (see **Note** below), or the vehicle inspector has confirmation that the vehicle is one to which this bulletin does not apply.

Note A seatbelt is considered not readily available where, eg, an automotive parts retailer normally able to supply webbing clamp seatbelts does not currently have the correct webbing clamp seatbelt in stock and cannot supply one within two working days by courier from the parts supplier. The vehicle operator must supply proof that the webbing clamp seatbelt was not readily available, eg an invoice from the seatbelt installer or retailer.



Figure 1. Example of a webbing clamp seatbelt label

Technical bulletin 5 Webbing clamp seatbelts in class MA vehicles (cont.)

Vehicle inspectors must enter the inspection result as outlined in the flowchart below.

Webbing grabber seatbelt inspection process

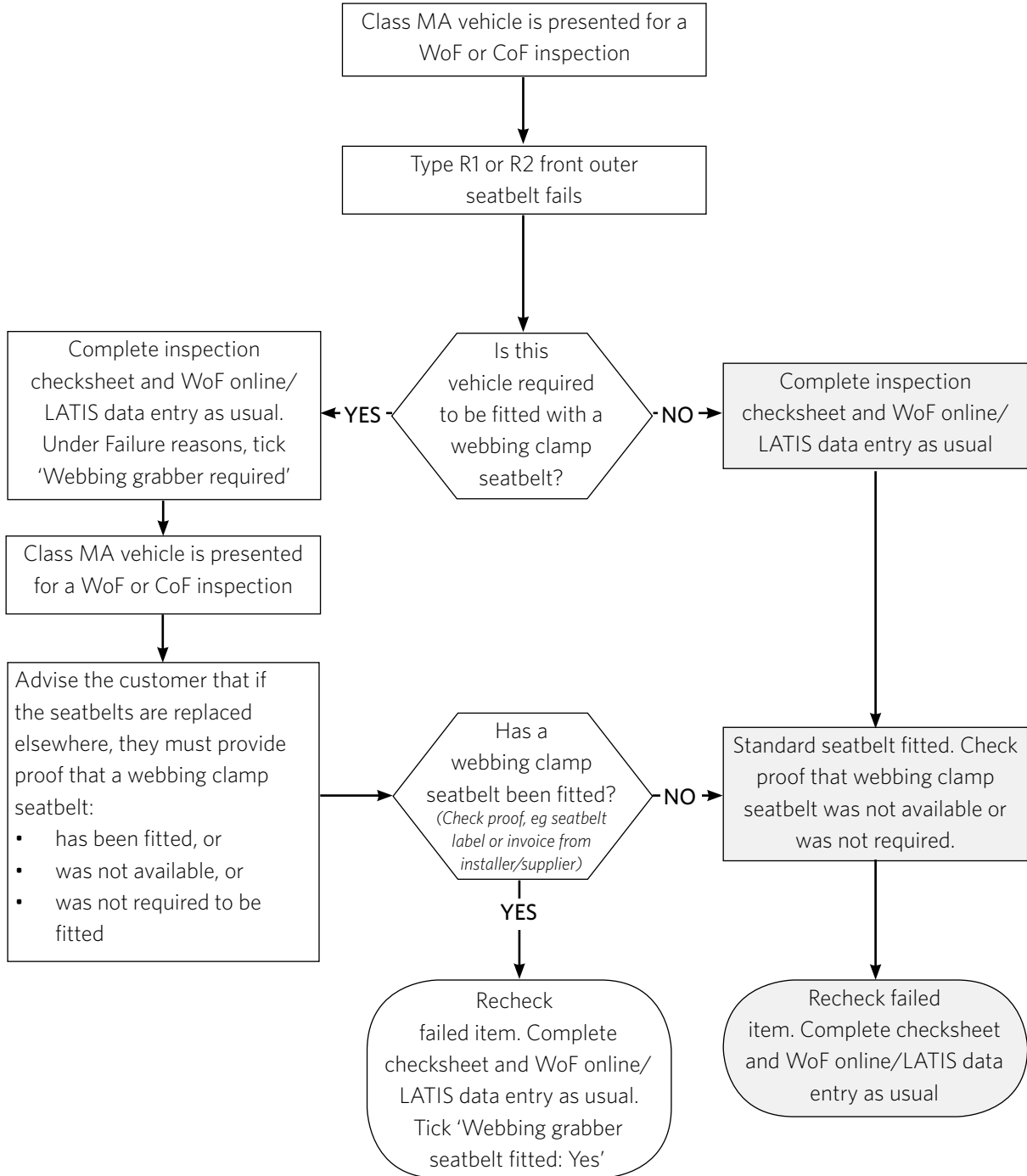




Table 1. Vehicles generally approved for the fitment of webbing clamp seatbelts

Brand	Model	Variant	Model Code	Configuration	Year
Audi	100	2.2L Quattro		4 Door Sedan	1985-1989
Audi	100	Avant, Quattro		4 Door S/Wagon	1985-1991
Audi	100	CD Avant		4 Door S/Wagon	1985-1991
Audi	100	CD, CC, CS, E, EE	WAUZZ	4 Door Sedan	1983-1991
Audi	200	CD, CC, CS, E, EE	WAUZZ	4 Door Sedan	1983-1991
BMW	318		E30	4 Door Sedan	1983-1991
BMW	518		E34	4 Door Sedan	1988-1992
BMW	520		E34	4 Door S/Wagon	1992-1996
BMW	520		E34	4 Door Sedan	1988-1999
BMW	525		E34	4 Door S/Wagon	1992-1996
BMW	525		E34	4 Door Sedan	1988-1999
BMW	535		E34	4 Door Sedan	1988-1992
BMW	540		E34	4 Door S/Wagon	1992-1996
BMW	540		E34	4 Door Sedan	1993-1999
BMW	730		E32	4 Door Sedan	1985-1994
BMW	735		E32	4 Door Sedan	1985-1994
BMW	740		E32	4 Door Sedan	1985-1994
BMW	750		E32	4 Door Sedan	1988-1994
Daihatsu	Charade			2 Door Hatch	1983-1987
Daihatsu	Charade	CS	G11	4 Door Hatch	1983-1988
Daihatsu	Charade	CS, CX Turbo, TS	E-G112S	2 Door Hatch	1987-1993
Daihatsu	Charade	CS, CX Turbo, TS	E-G100	2 Door Hatch	1987-1993
Daihatsu	Charade	CS, CX Turbo, TS	E-G102	2 Door Hatch	1987-1993
Daihatsu	Charade	CX, TL, CS, Turbo	E-G100	4 Door Sedan	1983-1987
Daihatsu	Charade	LS, LX, EX	E-G200	4 Door Hatch	1993-1998
Daihatsu	Charade	LS, LX, EX	E-G203	4 Door Hatch	1993-1998
Daihatsu	Charade	LS, LX, EX	E-G213	4 Door Hatch	1993-1998
Daihatsu	Charade	SEI	E-G203S	4 Door Sedan	1995-1997
Daihatsu	Charade	SEI	E-G200S	4 Door Sedan	1995-1997
Daihatsu	Charade	TS (white only)		2 Door Hatch	1991-1991
Daihatsu	Mira	850 4WD	L201	2 Door Sedan	1990-1993
Daihatsu	Mira	LS, LX	L201	4 Door Sedan	1990-1998
Daihatsu	Mira	LS, LX	L500	4 Door Sedan	1990-1998
Daihatsu	Mira	LS	L8ORS	4 Door Hatch	1986-1990
Fiat	Punto	55 SX	ZFA176	4 Door Liftback	1994-1995
Fiat	Punto	55, GT	ZFA176	2 Door Hatch	1994-1995
Ford	Autozam			4 Door Sedan	1991-1997
Ford	Autozam	AZ-3		2 Door Coupe	1991-1997
Ford	Capri	XRS, Barchetta		2 Door Convert	1990-1994

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Webbing clamp seatbelts in class MA vehicles (cont.)

Brand	Model	Variant	Model Code	Configuration	Year
Ford	Clef			4 Door Sedan	1991-1997
Ford	Fairlane		EA	4 Door Sedan	1988-1993
Ford	Falcon	S	EF	4 Door S/Wagon	1989-1993
Ford	Falcon	S	EB	4 Door Sedan	1989-1993
Ford	Falcon	S	EB	4 Door S/Wagon	1989-1993
Ford	Falcon	S	ED	4 Door S/Wagon	1989-1993
Ford	Falcon	S	ED	4 Door Sedan	1989-1993
Ford	Falcon	S	EF	4 Door Sedan	1989-1993
Ford	Falcon		EA	4 Door S/Wagon	1988-1990
Ford	Falcon		XG	4 Door S/Wagon	1985-1993
Ford	Falcon		XG	4 Door Sedan	1985-1993
Ford	Falcon		EA	4 Door Sedan	1988-1990
Ford	Festiva	S, Trio, GLXi	E-D23	2 Door Hatch	1993-2001
Ford	Festiva	S, Trio, GLXi	E-D25PF	2 Door Hatch	1993-2001
Ford	Festiva	Trio, GLXi	DAFP3	2 Door Hatch	1995-1998
Ford	Festiva	Trio, GLXi	DAFP3	4 Door Hatch	1995-1998
Ford	Festiva		E-DA3PF	4 Door Hatch	1985-1993
Ford	Festiva		E-DA3PF	2 Door Hatch	1985-1993
Ford	Laser	1.3C	LO3	2 Door Hatch	1987-1990
Ford	Laser	1.5 Sport		2 Door Hatch	1983-1987
Ford	Laser	GL	L04	4 Door Liftback	1992-1994
Ford	Laser	L	L05	2 Door Hatch	1986
Ford	Laser	Sport		2 Door Hatch	1981-1984
Ford	Laser	TX3	KF	2 Door Hatch	1990-1994
Ford	Laser		BF5PF	4 Door S/Wagon	1990-1994
Ford	Laser		BG8PF	4 Door Sedan	1990-1995
Ford	Laser		KH	4 Door Sedan	1990-1995
Ford	Laser		BG6PF	4 Door Sedan	1992-1994
Ford	Laser		KF	4 Door Sedan	1990-1995
Ford	Laser		BG5PF	4 Door Sedan	1990-1993
Ford	Laser			2 Door Hatch	1987-1989
Ford	Ltd		XE	4 Door Sedan	1981-1988
Ford	Ltd		XF	4 Door Sedan	1981-1988
Ford	Ltd		EB	4 Door Sedan	1991-1993
Ford	Ltd		EA	4 Door Sedan	1988-1993
Ford	Mondeo		WFOX	4 Door Sedan	1993-1994
Ford	Mondeo		WFOX	4 Door S/Wagon	1993-1994
Ford	Sierra			4 Door Sedan	1985-1992
Ford	Sierra	Cosworth	S15/88B	4 Door Liftback	1988-1992
Ford	Sierra	GLX	S15/90BB	4 Door S/Wagon	1988-1992
Ford	Sierra	XR 4X4	S15/85BB	4 Door Liftback	1985-1992



Brand	Model	Variant	Model Code	Configuration	Year
Ford	Sierra			4 Door S/Wagon	1984-1988
Ford	Taurus			4 Door Sedan	1992-1994
Ford	Telstar	GL	E-GEFPF	4 Door S/Wagon	1993-1997
Ford	Telstar	GLi, GLEi, Ghia	C-HIAVE	4 Door Sedan	1992-1997
Ford	Telstar	V6 XRi	GEEPF, T77	4 Door Liftback	1991-1994
Ford	Zodiac	MK3		4 Door Sedan	1963-1965
Holden	Astra			4 Door Hatch	1990-1995
Holden	Astra			4 Door Sedan	1990-1995
Holden	Caprice		US 97MD VS11	4 Door Sedan	1990-1998
Holden	Commodore		VP	4 Door S/Wagon	1991-1993
Holden	Commodore		VP	4 Door Sedan	1991-1993
Holden	Gemini		JT 150 MTHZ	4 Door Sedan	1986-1989
Holden	Vectra			4 Door Hatch	1990-1996
Holden	Vectra			4 Door Sedan	1990-1996
Honda	Accord	EX	CB1	2 Door Hatch	1984-1986
Honda	Accord	LX	CB2	2 Door Hatch	1986-1989
Honda	Accord	EX		2 Door Hatch	1984-1986
Honda	Accord	LXi	CB3	4 Door Sedan	1989-1995
Honda	Accord		E-CB9	4 Door S/Wagon	1991-1993
Honda	Ascot		CC4	4 Door Sedan	1992-1996
Honda	Ascot			4 Door Sedan	1986-1992
Honda	Ascot		CC5	4 Door Sedan	1992-1996
Honda	City	Auto	GA2	2 Door Hatch	1990-1992
Honda	City		FA	2 Door Hatch	1982-1984
Honda	City		FF	2 Door Hatch	1982-1984
Honda	City		FC	2 Door Hatch	1982-1984
Honda	City		FG	2 Door Hatch	1982-1984
Honda	City		GA1	2 Door Hatch	1984-1988
Honda	City		FD	2 Door Hatch	1982-1984
Honda	City		FH	2 Door Hatch	1982-1984
Honda	Civic		EG8, SR4	4 Door Sedan	1991-1995
Honda	Civic	AH		2 Door Hatch	1980-1984
Honda	Civic	ETI	E-EG4	4 Door Sedan	1990-1997
Honda	Civic	LX	CG	2 Door Hatch	1988-1992
Honda	Civic	LX	CS	2 Door Hatch	1988-1992
Honda	Civic	LX	CC	2 Door Hatch	1988-1992
Honda	Civic	LX	CL	2 Door Hatch	1988-1992
Honda	Civic	LXi, EXi	EG5	2 Door Hatch	1992-1996
Honda	Civic		EN1	2 Door Hatch	1973-1980
Honda	Civic			2 Door Hatch	1984-1988

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Technical bulletin 5

Webbing clamp seatbelts in class MA vehicles (cont.)

Brand	Model	Variant	Model Code	Configuration	Year
Honda	Civic		EG3	2 Door Hatch	1991-1995
Honda	Civic		WC	2 Door Hatch	1980-1984
Honda	Civic		SS	2 Door Hatch	1980-1984
Honda	Civic		SL	2 Door Hatch	1980-1984
Honda	Civic			4 Door Hatch	1993-1996
Honda	CRX	del Sol	EG1	2 Door Hatch	1992-1997
Honda	CRX	Si	E-F7	2 Door Coupe	1988-1991
Honda	CRX	X		2 Door Hatch	1988-1991
Honda	Ferio		EG8, SR4	4 Door Sedan	1991-1995
Honda	Innova		CC4	4 Door Sedan	1992-1996
Honda	Innova		CC5	4 Door Sedan	1992-1996
Honda	Inspire		E-CC2	4 Door Sedan	1990-1995
Honda	Inspire		E-CC3	4 Door Sedan	1990-1995
Honda	Integra	GSi, VTi-R	E-DC1	2 Door Coupe	1993-1999
Honda	Integra	GSi, VTi-R	E-DC2	2 Door Coupe	1993-1999
Honda	Integra		E-DB8	4 Door Sedan	1993-1995
Honda	Integra		DB6	4 Door Sedan	1993-1997
Honda	Integra		DA6	2 Door Liftback	1989-1993
Honda	Integra		E-DB7	4 Door Sedan	1993-1995
Honda	Integra		DA5	2 Door Hatch	1988-1993
Honda	Integra		DB8	2 Door Liftback	1993-1997
Honda	Jazz	Hard top		2 Door RV	1992-1996
Honda	Jazz	Soft top	KD-UCS69DWH	2 Door RV	1992-1996
Honda	Legend		E-KA7	2 Door Coupe	1991-1994
Honda	Legend		KA2	2 Door Coupe	1986-1991
Honda	Logo		GA2	2 Door Hatch	1990-1992
Honda	NSX		E-NA1	2 Door Coupe	1991-1997
Honda	Prelude	EX & Si 4WS	BB4	2 Door Coupe	1987-1992
Honda	Prelude	EX & Si 4WS	BA8	2 Door Coupe	1987-1992
Honda	Prelude	EX & Si 4WS	BA9	2 Door Coupe	1987-1992
Honda	Prelude	EX & Si 4WS	BB1	2 Door Coupe	1987-1992
Honda	Prelude	EX, 2.0L - 16V	AB	2 Door Coupe	1983-1987
Honda	Prelude	XX		2 Door Coupe	1982-1987
Honda	Prelude			2 Door Coupe	1981-1982
Honda	Prelude			2 Door Coupe	1992-1996
Honda	Vigor		E-CC2	4 Door Sedan	1990-1995
Honda	Vigor		E-CC3	4 Door Sedan	1990-1995
Hyundai	Excel	1.2 & 1.5	KMHHF31	4 Door Sedan	1986-1990
Hyundai	Excel	1.2 & 1.5		4 Door Hatch	1990-1995
Hyundai	Excel	1.2 & 1.5, 1.3		4 Door Sedan	1990-1995
Hyundai	Excel	GL	KMHHA21JPGU08G338	4 Door Hatch	1986-1990



Brand	Model	Variant	Model Code	Configuration	Year
Hyundai	Lantra		KMHKW21RPWU099142	4 Door S/Wagon	1991-1999
Hyundai	Lantra	1.60	JRF	4 Door S/Wagon	1991-1993
Hyundai	Lantra	1.6, 1.8	J1-J2	4 Door Sedan	1993-1999
Hyundai	Lantra		KF31U	4 Door S/Wagon	1991-1999
Hyundai	Lantra		KF31U	4 Door Sedan	1991-1999
Hyundai	Prima	1.6 GSL	KMHT31	4 Door Sedan	1984-1990
Hyundai	Scoupe		KMHUE31NPPU141625	2 Door Coupe	1990-1995
Hyundai	Sonata	1.8, 2.0, 2.4	YRF	4 Door Sedan	1989-1991
Hyundai	Sonata	2.0 & 3.0 V6	Y3	4 Door Sedan	1993-1996
Hyundai	Sonata	GLS - 2.0 & 3.0		4 Door Sedan	1991-1993
Hyundai	Stellar	1.6 GSL	KMHT31	4 Door Sedan	1984-1990
Isuzu	Aska		JJ120	4 Door Sedan	1983-1989
Isuzu	Aska		E-CJ1	4 Door Sedan	1993-1996
Isuzu	Gemini	C/C	JTD69	4 Door Sedan	1989-1992
Isuzu	Gemini		MJ 1	4 Door Sedan	1994-1997
Isuzu	MU	Metal top	KD-UCS69DWM	2 Door RV	1982-1990
Isuzu	MU		UCS69	2 Door Ute	1993-1997
Jaguar/Daimler	XJ6	3.2, 4.0		4 Door Sedan	1990-1994
Lexus	ES300		VCV10R-BTPGKQ	4 Door Sedan	1994
Mazda	323	Astina		4 Door Liftback	1990-1998
Mazda	323	LX	BT4831L	4 Door Hatch	1981-1990
Mazda	323	Turbo 4WD/2WD	BM39	2 Door Hatch	1987-1988
Mazda	323		E-BD1051	2 Door Hatch	1981-1990
Mazda	323		BT7J	4 Door S/Wagon	1988-1992
Mazda	323		BW6P	4 Door S/Wagon	1988-1992
Mazda	323		BG6R.Z	4 Door Sedan	1989-1993
Mazda	323		BG7P	4 Door Sedan	1989-1993
Mazda	323		BG6P.S	2 Door Hatch	1989-1994
Mazda	323		BG3S	4 Door Sedan	1989-1994
Mazda	323		BF3P	2 Door Hatch	1984-1988
Mazda	323		BW3W	2 Door S/Wagon	1985-1989
Mazda	323		BF3V	2 Door S/Wagon	1985-1989
Mazda	323		BF5.W, BT	2 Door S/Wagon	1985-1993
Mazda	323		BV89	2 Door S/Wagon	1981-1990
Mazda	323		BG3P	4 Door Sedan	1989-1994
Mazda	323		BG6P.S	4 Door Hatch	1989-1994
Mazda	323		BG6P.S	4 Door Sedan	1989-1994
Mazda	323		BG8P.S	4 Door Liftback	1989-1994
Mazda Anniversary	626		81-83	Sedan, 4 Door Sedan	

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Webbing clamp seatbelts in class MA vehicles (cont.)

Brand	Model	Variant	Model Code	Configuration	Year
Mazda	626		GESR	4 Door Liftback	1992-1997
Mazda	626		GT5FMN2	4 Door S/Wagon	1992-1997
Mazda	626		GT5FMN1	4 Door S/Wagon	1992-1997
Mazda	626		GW72	4 Door S/Wagon	1993-1997
Mazda	929	Hard top	HCFS	4 Door Sedan	1988-1991
Mazda	929	XGX 2.0i	EBES	4 Door Sedan	1982-1987
Mazda	929	XGX 2000 Egi	EBESHE	2 Door Coupe	1982-87
Mazda	929		E-GECP	4 Door Sedan	1991-1996
Mazda	929		HDES	4 Door Sedan	1991-1996
Mazda	929		HDEP	4 Door Sedan	1991-1996
Mazda	929		HD5S	4 Door Sedan	1991-1996
Mazda	929		HD5P	4 Door Sedan	1991-1996
Mazda	929			4 Door S/Wagon	1982-1987
Mazda	Astina	GLX		4 Door Liftback	1991-1997
Mazda	Astina		BG5P	4 Door Hatch	1989-1994
Mazda	Astina		BG5P	4 Door Liftback	1989-1994
Mazda	Astina		BG5P	2 Door Hatch	1989-1994
Mazda	Astina		BG8P	4 Door Sedan	1989-1994
Mazda	AZ3		EC5S	4 Door Sedan	1991-1995
Mazda	AZ3		ECPSA	4 Door Sedan	1991-1995
Mazda	Capella	Mark 1		2 Door Sedan	1981-1990
Mazda	Capella	Mark 4	E-CG2PP	4 Door Sedan	1992-1998
Mazda	Clef		E-GE5PA	4 Door Sedan	1992-1994
Mazda	Clef		GESRA	4 Door Sedan	1992-1994
Mazda	Clef		GEEPA	4 Door Sedan	1992-1994
Mazda	Cosmo			2 Door Coupe	1992-1997
Mazda	Cronos		E-GE5P	4 Door Sedan	1991-1994
Mazda	Cronos		GEEP	4 Door Sedan	1991-1994
Mazda	Cronos		E-GEFP	4 Door Sedan	1991-1994
Mazda	Cronos		E-GESR	4 Door Sedan	1991-1994
Mazda	Cronos		E-GE8P	4 Door Sedan	1991-1994
Mazda	Efini	MS-6	E-GE8P	4 Door Sedan	1991-1994
Mazda	Efini	MS-6	E-GEEP	4 Door Sedan	1991-1994
Mazda	Efini	MS-6	E-GESR	4 Door Sedan	1991-1994
Mazda	Efini	MS-8	EMBEP	4 Door Sedan	< 1992
Mazda	Efini	MS-8	EMB5A	4 Door Sedan	< 1992
Mazda	Efini	MS-8	EMB5P	4 Door Sedan	< 1992
Mazda	Etude			2 Door Hatch	1988-1997
Mazda	Etude			2 Door Hatch	1986-1987
Mazda	Eunos	500.00	E-CAEPE	4 Door Sedan	1992-1997
Mazda	Eunos	500.00	E-CA8P	4 Door Sedan	1992-1997



Brand	Model	Variant	Model Code	Configuration	Year
Mazda	Eunos	500.00	E-CA8PE	4 Door Sedan	1992-1997
Mazda	Eunos	500.00	E-CAEP	4 Door Sedan	1992-1997
Mazda	Eunos	500.00	E-CAPP	4 Door Sedan	1992-1997
Mazda	Eunos	MX3	E-EC5S	2 Door Hatch	1990-1995
Mazda	Eunos	MX3	E-EC5SA	2 Door Hatch	1990-1995
Mazda	Eunos	MX3	E-EC8SE	2 Door Hatch	1990-1995
Mazda	Eunos	MX5 Roadster	E-NA8C	2 Door Convert	1989-1997
Mazda	Eunos	MX5 Roadster	E-NA6CE	2 Door Convert	1989-1997
Mazda	Eunos	MX6	GEEB	2 Door Coupe	1988-1990
Mazda	Eunos	MX6	GEES	2 Door Coupe	1988-1990
Mazda	Eunos	MX6	GA9VAAB	2 Door Coupe	1992-1996
Mazda	Eunos	MX6	4WS 2.2 TURBO/GS52	2 Door Coupe	1990-1992
Mazda	Eunos	MX6	GA9WAAB	2 Door Coupe	1992-1996
Mazda	Eunos	MX6	GE5B	2 Door Coupe	1988-1990
Mazda	Eunos	MX6	GE5S	2 Door Coupe	1988-1990
Mazda	Eunos	Presso	E-EC5S	2 Door Hatch	1990-1995
Mazda	Eunos	Presso	E-EC8S	2 Door Hatch	1990-1995
Mazda	Familia	Interplay	E-BG5P	4 Door Sedan	1988-1997
Mazda	Familia		BG5P.S	4 Door Hatch	1989-1993
Mazda	Familia		BG5P.S	4 Door Liftback	1989-1993
Mazda	Familia		E-BFTP	2 Door Hatch	1988-1997
Mazda	Familia		E-BFM--	4 Door S/Wagon	1988-1997
Mazda	Familia		E-CBAEP	4 Door Hatch	1988-1997
Mazda	Familia		BG5P.S	2 Door Hatch	1989-1993
Mazda	Familia		BG5P.S	4 Door Sedan	1989-1993
Mazda	Luce	Limited V6	E-HCPS	4 Door Sedan	1981-1989
Mazda	Luce	Limited V6	HCFS	4 Door Sedan	1986-1991
Mazda	Luce			4 Door S/Wagon	1981-1987
Mazda	Luce		HBEP	4 Door Sedan	1983-1986
Mazda	MPV		LVEW	4 Door S/Wagon	1991-1995
Mazda	MS6		GE8P	2 Door Coupe	1991-1995
Mazda	MS8	Pillarless 2.0L	MBEP	4 Door Sedan	1992-1995
Mazda	MS8	Pillarless 2.5L	MB5A.P	4 Door Sedan	1992-1995
Mazda	MX5		NA6CE	2 Door Convert	1989-1993
Mazda	MX5		NA29	2 Door Convert	1990-1993
Mazda	MX5		NA14	2 Door Convert	1990-1993
Mazda	MX6		GEEB	2 Door Coupe	1991-1997
Mazda	RX7		E-FC3S	2 Door Coupe	1989-1995
Mazda	RX7 Savanna			2 Door Coupe	1987-1997
Mazda	Sentia		E-HD5S	4 Door Sedan	1991-1995

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Webbing clamp seatbelts in class MA vehicles (cont.)

Brand	Model	Variant	Model Code	Configuration	Year
Mazda	Sentia		E-HD5P	4 Door Sedan	1991-1995
Mazda	Sentia		E-HDES	4 Door Sedan	1991-1995
Mazda	Sentia		E-HDEP	4 Door Sedan	1991-1995
Mercedes Benz	190	190E, 1.8, 2.0, 2.3 & 2.6	W201	4 Door Sedan	1984-1993
Mercedes Benz	190	E 2.5-16		4 Door Sedan	1989-1990
Mercedes Benz	190	E, 1.8, 2, 2.3, 2.6		4 Door Sedan	1984-1993
Mitsubishi	Asti		E-CA3	2 Door Coupe	1992-1996
Mitsubishi	Asti		E-CA1	2 Door Coupe	1992-1996
Mitsubishi	Asti		E-CA4	2 Door Coupe	1992-1996
Mitsubishi	Chariot	4WD Diesel	D09W	4 Door S/Wagon	1984-1986
Mitsubishi	Chariot	4WD Wagon	N12W	4 Door S/Wagon	1991-1995
Mitsubishi	Chariot	GLXi	DK3H45	4 Door RV	1991-1998
Mitsubishi	Chariot	GLXi	DK4H35	4 Door RV	1991-1998
Mitsubishi	Chariot	GLXi	DL5H45	4 Door RV	1991-1998
Mitsubishi	Chariot	MF	D02W	4 Door S/Wagon	1984-1989
Mitsubishi	Chariot		N34W	4 Door S/Wagon	1991-1995
Mitsubishi	Chariot		N43W	4 Door S/Wagon	1991-1995
Mitsubishi	Chariot		N48W	4 Door S/Wagon	1991-1995
Mitsubishi	Chariot		N44W	4 Door S/Wagon	1991-1995
Mitsubishi	Chariot		N38W	4 Door S/Wagon	1991-1995
Mitsubishi	Chariot		N33W	4 Door S/Wagon	1991-1995
Mitsubishi	Chariot		DX3	4 Door S/Wagon	1984-1991
Mitsubishi	Chariot		D05W	4 Door S/Wagon	1984-1991
Mitsubishi	Chariot		DX4	4 Door S/Wagon	1984-1991
Mitsubishi	Colt			2 Door Hatch	1981-1983
Mitsubishi	Colt			4 Door Hatch	1981-1983
Mitsubishi	Colt			2 Door Hatch	1984-1987
Mitsubishi	Colt			4 Door Hatch	1984-1987
Mitsubishi	Colt			2 Door Hatch	1987-1988
Mitsubishi	Cordia	GSL	GX5H24	2 Door Liftback	1983-1986
Mitsubishi	Cordia	GSR		2 Door Coupe	1983-1987
Mitsubishi	Cordia	Turbo 2 DR	CYZZ	2 Door Hatch	1983-1987
Mitsubishi	Cyborg	1.60		2 Door Hatch	1988-1997
Mitsubishi	Debonair		S12ASRHER	4 Door Sedan	1987-1990
Mitsubishi	Debonair		S22A	4 Door Sedan	1990-1993
Mitsubishi	Debonair		S26A	4 Door Sedan	1990-1995
Mitsubishi	Diamante		E-F15	4 Door Sedan	1990-1997
Mitsubishi	Diamante		E-F25	4 Door Sedan	1990-1997
Mitsubishi	Diamante		E-F27	4 Door Sedan	1990-1997
Mitsubishi	Diamante		E-F17	4 Door Sedan	1990-1997



Brand	Model	Variant	Model Code	Configuration	Year
Mitsubishi	Diamante		E-F13A	4 Door Sedan	1990-1997
Mitsubishi	Diamante		E-F12	4 Door Sedan	1990-1997
Mitsubishi	Diamante		E-F11	4 Door Sedan	1990-1997
Mitsubishi	Diamante		E-F07A	4 Door Sedan	1990-1997
Mitsubishi	Eclipse		D22A	2 Door Hatch	1989
Mitsubishi	Emeraude		E-84	4 Door Sedan	1992-1997
Mitsubishi	Emeraude		E-53	4 Door Sedan	1992-1997
Mitsubishi	Emeraude		E-54	4 Door Sedan	1992-1997
Mitsubishi	Emeraude		E-52A	4 Door Sedan	1992-1997
Mitsubishi	Eterna		E15A	4 Door Sedan	1983-1987
Mitsubishi	Eterna		E-X57A	4 Door Sedan	1992-1997
Mitsubishi	Eterna		E12A	4 Door Sedan	1983-1985
Mitsubishi	Eterna		E-E52A	4 Door Sedan	1992-1997
Mitsubishi	Eterna		E-E53	4 Door Sedan	1992-1997
Mitsubishi	Eterna		E-E54	4 Door Sedan	1992-1997
Mitsubishi	Eterna		E-E72	4 Door Sedan	1992-1997
Mitsubishi	Eterna		EE84	4 Door Sedan	1992-1997
Mitsubishi	Eterna			4 Door Liftback	1992-1997
Mitsubishi	Fabio			2 Door Hatch	1988-1997
Mitsubishi	Galant	E SL MCA Jet	E-E12A	4 Door Sedan	1983-1988
Mitsubishi	Galant	GSL Astron 80		2 Door Coupe	1988-1993
Mitsubishi	Galant	Liftback GTi	E33A	4 Door Liftback	1988-1993
Mitsubishi	Galant	Liftback V6 GTi	SH SERIES	4 Door Liftback	1993-1996
Mitsubishi	Galant		E-E35A	4 Door Sedan	1988-1993
Mitsubishi	Galant	GL	SJ3M41	4 Door Sedan	1993-1996
Mitsubishi	Galant	GLXi	SK5H4	4 Door Sedan	1993-1997
Mitsubishi	Galant	GTi 16V	SD744G	4 Door Liftback	1989-1991
Mitsubishi	Galant		E15A	4 Door Sedan	1984-1986
Mitsubishi	Galant		SB1M41G	4 Door Sedan	1988-1993
Mitsubishi	Galant		SC3H41D	4 Door Sedan	1988-1993
Mitsubishi	Galant		SB3H41G	4 Door Sedan	1988-1993
Mitsubishi	Galant		E77A	4 Door Sedan	1992-1996
Mitsubishi	Galant		E52A	4 Door Sedan	1992-1996
Mitsubishi	Galant		E72A	4 Door Sedan	1992-1996
Mitsubishi	Galant		E74A	4 Door Sedan	1992-1996
Mitsubishi	Galant		E78A	4 Door Sedan	1992-1996
Mitsubishi	Galant		E53A	4 Door Sedan	1992-1996
Mitsubishi	Galant		E54A	4 Door Sedan	1992-1996
Mitsubishi	Galant		E57A	4 Door Sedan	1992-1996
Mitsubishi	Galant		E32A	4 Door Sedan	1988-1991

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Webbing clamp seatbelts in class MA vehicles (cont.)

Brand	Model	Variant	Model Code	Configuration	Year
Mitsubishi	Galant		E84A	4 Door Sedan	1992-1996
Mitsubishi	Geneva		MW3541	4 Door Sedan	1979-1988
Mitsubishi	Geneva		MX4544	4 Door Hatch	1979-1988
Mitsubishi	GTO		E-Z15A	2 Door Coupe	1991-1993
Mitsubishi	GTO		E-Z16A	2 Door Coupe	1991-1993
Mitsubishi	Lancer	GSR Coupe A	7A1LM	2 Door Coupe	1989-1999
Mitsubishi	Lancer		C63A	4 Door Liftback	1988-1992
Mitsubishi	Lancer	4WD	LJ8H44	4 Door S/Wagon	1987-1992
Mitsubishi	Lancer	CG	C12V	4 Door S/Wagon	1987
Mitsubishi	Lancer	GL	LJ3L41	4 Door Sedan	1993-1997
Mitsubishi	Lancer	GL, GLX, GLXi	E-CB6	4 Door Sedan	1992-1996
Mitsubishi	Lancer	GL, GLX, GLXi	E-CD8	4 Door Sedan	1992-1996
Mitsubishi	Lancer	GL, GLX, GLXi	E-CB1	4 Door Sedan	1992-1996
Mitsubishi	Lancer	GL, GLX, GLXi	E-CB3	4 Door Sedan	1992-1996
Mitsubishi	Lancer	GL, GLX, GLXi	E-CD5	4 Door Sedan	1992-1996
Mitsubishi	Lancer	GL, GLXi	LJ7H45, LJ1L45	4 Door S/Wagon	1993-1999
Mitsubishi	Lancer	GL, GLXi, GSR, SEi	LJ3L44	4 Door Liftback	1989-1996
Mitsubishi	Lancer	GL, GLXi, GSR, SEi	LJ7S44	4 Door Liftback	1989-1996
Mitsubishi	Lancer	GL, GLXi, GSR, SEi	LJ8H44	4 Door Liftback	1989-1996
Mitsubishi	Lancer	GLS	LJ1L41	4 Door Sedan	1993-1997
Mitsubishi	Lancer	GLX, GL, GSR	E-C73A	4 Door Sedan	1989-1992
Mitsubishi	Lancer	GLXi	LJ7H41	4 Door Sedan	1993-1997
Mitsubishi	Lancer	GLXi	LJ8H41	4 Door Sedan	1993-1997
Mitsubishi	Lancer	GTi		4 Door Sedan	1993-1997
Mitsubishi	Lancer	SEi	LJ8X41	4 Door Sedan	1993-1997
Mitsubishi	Lancer		E-DCB8	4 Door S/Wagon	1992-1993
Mitsubishi	Lancer		E-DCD5	4 Door S/Wagon	1992-1993
Mitsubishi	Lancer		E-DCD8	4 Door S/Wagon	1992-1993
Mitsubishi	Lancer		LK1L4	4 Door Sedan	1993-1997
Mitsubishi	Lancer		LB3M41	4 Door Sedan	1989-1992
Mitsubishi	Lancer		LC7H44	4 Door Liftback	1989-1992
Mitsubishi	Lancer		E-DCB5	4 Door S/Wagon	1992-1993
Mitsubishi	Libero		E-DCB8	4 Door S/Wagon	1992-1996
Mitsubishi	Libero		E-DCD8	4 Door S/Wagon	1992-1996
Mitsubishi	Libero		E-DCB5	4 Door S/Wagon	1992-1996
Mitsubishi	Libero		E-DCD5	4 Door S/Wagon	1992-1996
Mitsubishi	Magna	GLX, SE	T58P41	4 Door S/Wagon	1985-1991
Mitsubishi	Magna	GLX, SE	TS7D41	4 Door S/Wagon	1985-1991
Mitsubishi	Magna	GLX, Super Saloon	TS8D41	4 Door Sedan	1993-1996



Brand	Model	Variant	Model Code	Configuration	Year
Mitsubishi	Magna	GLX, Super Saloon	TS7D41	4 Door Sedan	1993-1996
Mitsubishi	Magna		TM, TN	4 Door Sedan	1985-1991
Mitsubishi	Magna		6MMTS	4 Door S/Wagon	1992-1996
Mitsubishi	Mirage		E-CA1	2 Door Coupe	1992-1996
Mitsubishi	Mirage		E-CA4	2 Door Coupe	1992-1996
Mitsubishi	Mirage		MW3541	4 Door Sedan	1979-1988
Mitsubishi	Mirage		MX4544	4 Door Hatch	1979-1988
Mitsubishi	Mirage		MX,MY 5S41	4 Door Sedan	1985-1989
Mitsubishi	Mirage		E-CA3	2 Door Coupe	1992-1996
Mitsubishi	Mirage	Spacewagon	MA3L45	4 Door S/Wagon	1988-1990
Mitsubishi	Mirage	1.3 & 1.5		4 Door S/Wagon	1985-1993
Mitsubishi	Mirage	GL	MY3L41	4 Door Sedan	1984-1988
Mitsubishi	Mirage	GL, GLXi, GSR	MJ7H24	2 Door Hatch	1992-1996
Mitsubishi	Mirage	GL, GLXi, GSR	MJ3L24	2 Door Hatch	1992-1996
Mitsubishi	Mirage	GL, GLXi, GSR	MJ8H24	2 Door Hatch	1992-1996
Mitsubishi	Mirage	GLX	MP to MV	4 Door Hatch	1979-1984
Mitsubishi	Mirage	GLX	M75H24	2 Door Hatch	1989-1992
Mitsubishi	Mirage	GLX	MX3M24	2 Door Hatch	1985
Mitsubishi	Mirage	GLX	MA5M45	4 Door S/Wagon	1987
Mitsubishi	Mirage	II GL	MV3L24	2 Door Hatch	1982
Mitsubishi	Mirage	Spacewagon	MB5M45	4 Door S/Wagon	1979-1985
Mitsubishi	Mirage	Super F	CA1A	2 Door Hatch	1991-1995
Mitsubishi	Mirage	Swift	C52A	2 Door Hatch	1987-1990
Mitsubishi	Mirage	SX Saloon	C62A	4 Door Liftback	1987-1990
Mitsubishi	Mirage	VIE-2 SDN	C62A	4 Door Sedan	1987-1990
Mitsubishi	Mirage		C12A	2 Door Hatch	1982-1990
Mitsubishi	Mirage		E-CB1	4 Door Sedan	1992-1996
Mitsubishi	Mirage		E-CB3	4 Door Sedan	1992-1996
Mitsubishi	Mirage		E-A152A/MT3 L24-NZ ASS.	2 Door Hatch	1979-1988
Mitsubishi	Mirage		E-CB4	4 Door Sedan	1992-1996
Mitsubishi	Mirage		E-CB6	4 Door Sedan	1992-1996
Mitsubishi	Mirage		E-CD8	4 Door Sedan	1992-1996
Mitsubishi	Mirage		CA	2 Door Hatch	1991-1995
Mitsubishi	Mirage		CA4A	2 Door Hatch	1992-1996
Mitsubishi	Mirage II	GL	MV3L24	4 Door Sedan	1994-1996
Mitsubishi	RVR	Sportsgear	N13W	4 Door RV	1993-1997
Mitsubishi	RVR	Sportsgear	N28W	4 Door RV	1993-1997
Mitsubishi	RVR	Sportsgear	N11W	4 Door RV	1993-1997

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Webbing clamp seatbelts in class MA vehicles (cont.)

Brand	Model	Variant	Model Code	Configuration	Year
Mitsubishi	RVR	Sportsgear	N21W	4 Door RV	1993-1997
Mitsubishi	RVR	Sportsgear	N23W	4 Door RV	1993-1997
Mitsubishi	Ramada	GSR-X Turbo	E-E15A	4 Door Sedan	1985
Mitsubishi	Sigma	Super Saloon/ GLX/SE	E-E15A	4 Door Sedan	1984-1988
Mitsubishi	Sigma		E58	4 Door S/Wagon	1984-1988
Mitsubishi	Sigma		E-F13A	4 Door Sedan	1991-1995
Mitsubishi	Sigma		E-F27	4 Door Sedan	1991-1995
Mitsubishi	Sigma		E-F17	4 Door Sedan	1991-1995
Mitsubishi	Sigma		E-F15	4 Door Sedan	1991-1995
Mitsubishi	Sigma		E-F11	4 Door Sedan	1991-1995
Mitsubishi	Swift			2 Door Hatch	1988-1997
Mitsubishi	Tredia	SE 1.8 Auto		4 Door Sedan	1985-1987
Mitsubishi	V3000	Exec, SEi, Super Saloon	KS6P41	4 Door Sedan	1991-1996
Mitsubishi	V3000	Exec, SEi, Super Saloon	KS5D41	4 Door Sedan	1991-1996
Mitsubishi	V3000	Exec, SEi, Super Saloon	KS6D41	4 Door Sedan	1991-1996
Mitsubishi	V3000	Exec, SEi, Super Saloon		4 Door S/Wagon	1992-1996
Mitsubishi	V3000	GLX, Exec, SE		4 Door Sedan	1988-1991
Mitsubishi	Viento		E-E35A	4 Door Sedan	1988-1993
Mitsubishi	Viento		E54A	4 Door Sedan	1992-1996
Mitsubishi	Visage			4 Door Sedan	1992-1997
Nissan	Avenir	Diesel	WIORW	4 Door S/Wagon	1990-1994
Nissan	Avenir	Diesel	WIORZ	4 Door S/Wagon	1990-1994
Nissan	Avenir	Van	KB-VSW10	4 Door S/Wagon	< 1996
Nissan	Avenir	Van	R/T-VEW10	4 Door S/Wagon	< 1996
Nissan	Avenir	Van	R-VENW10	4 Door S/Wagon	< 1996
Nissan	Bluebird	ARX	U13 & NU	4 Door Liftback	1991-1995
Nissan	Bluebird	Bluebird 1.8L 2WD/4WD	RU12	4 Door S/Wagon	1987-1991
Nissan	Bluebird	Bluebird 1.8L 4WD	RNU12	4 Door S/Wagon	1987-1991
Nissan	Bluebird	FE Saloon	EU12	4 Door Sedan	1989-1991
Nissan	Bluebird	GF	PJ910	4 Door Sedan	1980-1984
Nissan	Bluebird	S, ARX-L	EU13	4 Door Sedan	1989-1994
Nissan	Bluebird	SE, SES, SEL	U13	4 Door Sedan	1991-1996
Nissan	Bluebird	SG Widetrack	RU11	4 Door Sedan	1985-1987
Nissan	Bluebird	SGS	WUCU12 AUST ASSY	4 Door S/Wagon	1991-1992
Nissan	Bluebird	SU13	U13 & NU	4 Door Sedan	1992-1997



Brand	Model	Variant	Model Code	Configuration	Year
Nissan	Bluebird	Widetrack	YU11	4 Door S/Wagon	1984-1992
Nissan	Bluebird	ZX	WFCU12AZX	4 Door S/Wagon	1984-1992
Nissan	Bluebird	ZX	N910	4 Door Sedan	1980-1984
Nissan	Bluebird	ZXE	UU12LFEU	4 Door Sedan	1984-1992
Nissan	Bluebird		WU11	4 Door S/Wagon	1985-1987
Nissan	Bluebird		UU12	4 Door Sedan	1989-1991
Nissan	Bluebird		U11	4 Door Sedan	1983-1988
Nissan	Bluebird		SNU13,SU13	4 Door Sedan	1991-1996
Nissan	California		E-WFNY10	4 Door S/Wagon	1991-1995
Nissan	Cefiro		E-PA32	4 Door Sedan	1994-1998
Nissan	Cefiro	Turbo	CA31	4 Door Sedan	1992-1996
Nissan	Cefiro		E-EA/LA31	4 Door Sedan	1990-1994
Nissan	EXA		E-KEN	2 Door Liftback	1986-1990
Nissan	Excimo		E-PA32	4 Door Sedan	1994-1999
Nissan	Infiniti	Q45		4 Door Sedan	1993-1997
Nissan	Langley	Type X	HN12	4 Door Hatch	1984-1986
Nissan	Laurel		UJC31	4 Door Sedan	1981-1985
Nissan	Leopard		EPF30	4 Door Sedan	1980-1987
Nissan	Lucino		E-FB14	2 Door Coupe	< 1994
Nissan	Maxima	3.0, S, SL, SE, SEL	J30	4 Door Sedan	1988-1995
Nissan	Maxima	30i V6	HJ30	4 Door Sedan	1991-1993
Nissan	Maxima	S	J30K	4 Door Sedan	1993
Nissan	Milano		EHN12	4 Door Hatch	1983-1987
Nissan	NX	2.00	B13	2 Door Liftback	1993-1995
Nissan	NX Coupe		E-B13	2 Door Liftback	1990-1993
Nissan	Pintara			4 Door Sedan	1988-1992
Nissan	Presea		E-HR/PR/R10	4 Door Sedan	1991-1995
Nissan	Primera		E-HP10,P10	4 Door Sedan	1990-1997
Nissan	Primera		E-FHP10	4 Door Liftback	1990-1997
Nissan	Pulsar	SG 1.3	RPN12	2 Door Hatch	1983-1987
Nissan	Pulsar		E-FN14	4 Door Sedan	1990-1996
Nissan	Pulsar		EHN12	4 Door Hatch	1983-1987
Nissan	Pulsar	GTi	E-FN/EN/HN14	2 Door Hatch	1991-1996
Nissan	Pulsar	Mi		4 Door Sedan	1987-1990
Nissan	Pulsar		N12	2 Door Hatch	1983-1988
Nissan	Pulsar		N13	4 Door Hatch	1986-1988
Nissan	Pulsar		EN13	4 Door Hatch	1988-1990
Nissan	Sentra	S	FUN-13	4 Door Hatch	1987-1992
Nissan	Sentra	SG	UN13DFU	4 Door Sedan	1989-1993
Nissan	Sentra	SG	FAN14	4 Door Hatch	1992-1996

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Brand	Model	Variant	Model Code	Configuration	Year
Nissan	Sentra	SG, SGS, ZXE	N13	4 Door Sedan	1987-1992
Nissan	Sentra	SG, SGS, ZXE, L, S, SL	Y10	4 Door S/Wagon	1992-1997
Nissan	Sentra	SG, ZXE, Q, SGS	N14 SERIES	4 Door Sedan	1992-1996
Nissan	Sentra	SGS	UN13DFU	4 Door Hatch	1989-1993
Nissan	Sentra	SGS	WHB11	4 Door S/Wagon	1988
Nissan	Sentra	Sports hatch	WPB12	4 Door Liftback	1987-1992
Nissan	Sentra	SSS	N14 SERIES	4 Door Liftback	1992-1996
Nissan	Sentra	SW	N13	4 Door S/Wagon	1987-1992
Nissan	Sentra	ZXE	FPN13HFU	4 Door Hatch	1987-1991
Nissan	Sentra		RBN13	2 Door Hatch	1985-1991
Nissan	Sentra		PN13HAU	4 Door Sedan	1987-1991
Nissan	Sentra		PN13HFU	4 Door Sedan	1987-1991
Nissan	Sentra		PN13A	4 Door Sedan	1987-1991
Nissan	Sentra		WCB12FU	4 Door Liftback	1989-1993
Nissan	Sentra		UN13DFU	4 Door Liftback	1989-1993
Nissan	Silvia	RXE	EJS12	2 Door Liftback	1984-1986
Nissan	Silvia		S13	2 Door Coupe	1988-1992
Nissan	Skyline	Excel	WFJR31	4 Door S/Wagon	1980-1989
Nissan	Skyline	RXE Turbo	E-JS12	2 Door Coupe	1980-1989
Nissan	Skyline		E-HCR/ECR/HR32	4 Door Sedan	1989-1993
Nissan	Skyline		EHR31	4 Door Sedan	1980-1989
Nissan	Skyline			4 Door Hatch	1982
Nissan	Skyline	GT EX	HR30	4 Door Sedan	1981
Nissan	Skyline		JR31	4 Door S/Wagon	1987-1991
Nissan	Skyline		BCNR33	2 Door Coupe	1994-1999
Nissan	Sunny	1.30		4 Door Sedan	1983-1985
Nissan	Sunny	GX	B310	4 Door Sedan	1980-1983
Nissan	Sunny	Le Prix Turbo	EHB11	2 Door Hatch	1982-1987
Nissan	Sunny	SGS	WHB11	4 Door S/Wagon	1984-1987
Nissan	Sunny	SGX	HB11FU	4 Door Sedan	1982-1985
Nissan	Sunny		WHB12	4 Door Sedan	1985-1990
Nissan	Sunny		B13	4 Door Sedan	1990-1994
Nissan	Sunny		B14	4 Door Sedan	1990-1994
Nissan	Sunny		VB310	4 Door S/Wagon	1978-1982
Nissan	Terrano		Q-WBYD21	2 Door 4wd	1988-1995
Nissan	Vector	SSS		4 Door Sedan	1990-1994
Opel	Kadett	GSi	WOL 00053F	4 Door Hatch	1985-1989
Opel	Kadett		WOL-000 53F	2 Door Hatch	1985-1989
Peugeot	205	CJ	VF320DK 12/1	2 Door Convert	1989-1992
Peugeot	205	CTi	741B66	2 Door Convert	1986-1992



Brand	Model	Variant	Model Code	Configuration	Year
Peugeot	205	GR	VF320AK 12/1	4 Door Hatch	1989-1993
Peugeot	205	GTi, GT	VF20DK22	2 Door Hatch	1986-1993
Peugeot	205	GTi, GT	VF320CD62	2 Door Hatch	1986-1993
Peugeot	405	GR		4 Door Sedan	1990-1997
Peugeot	405	GR, SRDT	5ED22	4 Door S/Wagon	1990-1997
Peugeot	505			4 Door Sedan	1985-1986
Pontiac	Le Mans	GLE, GSE	K01	4 Door Sedan	1988-1992
Pontiac	Le Mans	GLE, GSE	K02	4 Door Sedan	1988-1992
Pontiac	Le Mans	GLE, GSE	K03	4 Door Liftback	1988-1992
Pontiac	Le Mans	GLE, GSE	K04	4 Door Liftback	1988-1992
Proton	Proton Saga	Aeroback		4 Door S/Wagon	1987-1994
Proton	Proton Saga	L, GL, GLX		4 Door Sedan	1987-1994
Seat	Ibiza	Crono		4 Door Hatch	1989-1990
Seat	Ibiza		VSS021A	2 Door Hatch	1987-1990
Suzuki	Cultus		AB33S	4 Door Hatch	1987
Suzuki	Swift		EAA355	2 Door Hatch	< 1994
Suzuki	Swift	GLX	SF 413	4 Door Hatch	1986-1989
Toyota	Aristo		E-UZS145	4 Door Sedan	1992-1996
Toyota	Aristo		E-JZS147	4 Door Sedan	1992-1996
Toyota	Caldina		ST190	4 Door S/Wagon	1992-1996
Toyota	Caldina		ST191	4 Door S/Wagon	1992-1996
Toyota	Caldina		ST195	4 Door S/Wagon	1992-1996
Toyota	Caldina		CT190.196	4 Door S/Wagon	1992-1996
Toyota	Camry	CS-X	SV21RG	4 Door S/Wagon	1989-1993
Toyota	Camry	GL, GX, GLX	VCV11	4 Door Sedan	1991-1996
Toyota	Camry	GL, GX, GLX	VCV10	4 Door Sedan	1991-1996
Toyota	Camry	GS	SV10	4 Door S/Wagon	1993-1997
Toyota	Camry	GS	SXV10	4 Door S/Wagon	1993-1997
Toyota	Camry	SE Saloon	SV10	4 Door Sedan	1982-1984
Toyota	Camry	SX	SV12	4 Door Sedan	1988
Toyota	Camry	V6 GX	TT153	4 Door Sedan	1993-1997
Toyota	Camry	V6 GX	CV10R	4 Door Sedan	1993-1997
Toyota	Camry	V6 Prominent	VZV20	4 Door Sedan	1987-1990
Toyota	Camry	ZE	CV30	4 Door Sedan	1990-1994
Toyota	Camry		SV40	4 Door Sedan	1992-1996
Toyota	Camry		VDV10R	4 Door Sedan	1993-1997
Toyota	Camry		SXV15	4 Door S/Wagon	1993-1996
Toyota	Camry		VCV10L	4 Door Sedan	1993-1997
Toyota	Camry			4 Door Sedan	1987-1995
Toyota	Carib		AE91	4 Door S/Wagon	1987-1989

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Webbing clamp seatbelts in class MA vehicles (cont.)

Brand	Model	Variant	Model Code	Configuration	Year
Toyota	Carib		E-AE95G	4 Door S/Wagon	1988-1995
Toyota	Carib			2 Door Hatch	1982-1988
Toyota	Carib			4 Door S/Wagon	1982-1988
Toyota	Carina		E-ST183	4 Door Sedan	1988-1992
Toyota	Carina		E-ST180	4 Door Sedan	1988-1992
Toyota	Carina		E-ST182	4 Door Sedan	1988-1992
Toyota	Carina	1800 SE Extra		4 Door S/Wagon	1990-1997
Toyota	Carina	ST	E-AA60	2 Door Liftback	1984-1988
Toyota	Carina	Surf 1800 SX, 1800 Ltd		4 Door Sedan	1990-1996
Toyota	Carina		AT150	4 Door Sedan	1984-1988
Toyota	Carina			4 Door S/Wagon	1984-1988
Toyota	Ceres		AE101	4 Door Sedan	1991-1994
Toyota	Ceres		AE91	4 Door Sedan	1987-1989
Toyota	Ceres		E-AE95G	4 Door Sedan	1988-1995
Toyota	Ceres		E-AE101	4 Door Sedan	1993-1996
Toyota	Ceres		E-AE100	4 Door Sedan	1993-1997
Toyota	Ciglo Sprinter			4 Door Liftback	1987
Toyota	Corolla		AE91	4 Door Sedan	1987-1989
Toyota	Corolla			2 Door Hatch	1979-1988
Toyota	Corolla	1.3XL, 1.6GL, 1.6GLX	EE100	4 Door Sedan	1993-1997
Toyota	Corolla	1.3XL, 1.6GL, 1.6GLX	AE101	4 Door Sedan	1993-1997
Toyota	Corolla	Diesel XE	CE90	4 Door Sedan	1987-1990
Toyota	Corolla	GL	AE101R	4 Door S/Wagon	1993-1997
Toyota	Corolla	GLX	AE92	4 Door Liftback	1987-1992
Toyota	Corolla	GS	AE101R (NZ ASS)	4 Door Liftback	1995
Toyota	Corolla	GTi 1.6	AE92R AGMVF	2 Door Hatch	1988-1992
Toyota	Corolla	GX, GLX, GS, - 1.6 & 1.8	AE101	4 Door Liftback	1992-1997
Toyota	Corolla	GX, GLX, GS, - 1.6 & 1.8	AE102	4 Door Liftback	1992-1997
Toyota	Corolla	L	EE103	4 Door S/Wagon	1994-1998
Toyota	Corolla	L	EE104	4 Door S/Wagon	1994-1998
Toyota	Corolla	L-Touring	AE100	4 Door S/Wagon	1991-1997
Toyota	Corolla	Sprinter		2 Door Coupe	1984-1988
Toyota	Corolla	Van	EE90	2 Door Hatch	1988-1992
Toyota	Corolla	Van	EE100	2 Door Hatch	1993-1997
Toyota	Corolla	XL		4 Door Liftback	1979-1988
Toyota	Corolla	XL		4 Door Sedan	1979-1988
Toyota	Corolla	XL	EE90	4 Door Liftback	1987-1991



Brand	Model	Variant	Model Code	Configuration	Year
Toyota	Corolla	XL	EE90	4 Door S/Wagon	1987-1991
Toyota	Corolla	XL	EE90	4 Door Sedan	1987-1991
Toyota	Corolla	XL	EE90R	4 Door Hatch	1987-1991
Toyota	Corolla	XL, GL, - 1.3 & 1.6	AE100	4 Door Hatch	1992-1997
Toyota	Corolla	XL, GL, - 1.3 & 1.6	AE101	4 Door Hatch	1992-1997
Toyota	Corolla	XL, GL, - 1.3 & 1.6	AE100	2 Door Hatch	1992-1997
Toyota	Corolla	XL, GL, - 1.3 & 1.6	AE101	2 Door Hatch	1992-1997
Toyota	Corolla	XL, GL, - 1.3 & 1.6	EE100	4 Door Hatch	1992-1997
Toyota	Corolla	XL, GL, - 1.3 & 1.6	EE100	2 Door Hatch	1992-1997
Toyota	Corolla		KE70	2 Door S/Wagon	1979-1988
Toyota	Corolla		KE70	4 Door S/Wagon	1979-1988
Toyota	Corolla		AE92	4 Door Sedan	1987-1992
Toyota	Corolla		AE90	4 Door Sedan	1988-1993
Toyota	Corolla		AE80	4 Door Sedan	1983-1988
Toyota	Corolla		AE101R (NZ ASS)	4 Door Sedan	1994
Toyota	Corolla		AE101R (NZ ASS)	4 Door Hatch	1997
Toyota	Corolla		AE82	4 Door Liftback	1983-1987
Toyota	Corolla		E-AL21	4 Door Hatch	1984-1988
Toyota	Corolla		E-EL31	2 Door Liftback	1984-1988
Toyota	Corolla			4 Door S/Wagon	1988-1993
Toyota	Corolla FX		E-AE95G	4 Door Hatch	1988-1995
Toyota	Corolla FX		AE91	4 Door Hatch	1987-1989
Toyota	Corolla II	Windy	EL51	2 Door Hatch	1994-1998
Toyota	Corolla II		EL34	4 Door Sedan	1988-1991
Toyota	Corolla II		AL21	4 Door Hatch	1990-1994
Toyota	Corolla II		EL41	4 Door Sedan	1988-1991
Toyota	Corolla II		EL45	4 Door Sedan	1988-1991
Toyota	Corolla II		EL51	4 Door Sedan	1994-1998
Toyota	Corona	1800.00	ST170	4 Door Liftback	1988-1990
Toyota	Corona		CT176	4 Door S/Wagon	1988-1992
Toyota	Corona		ST170	4 Door S/Wagon	1988-1992
Toyota	Corona	1.8 Ex Saloon AD	ST150	4 Door Sedan	1983
Toyota	Corona	Amon	ST151R	4 Door Sedan	1986-1988
Toyota	Corona	CX	TT141	4 Door Sedan	1979-1987
Toyota	Corona	Diesel	CT170	4 Door Sedan	1987-1992
Toyota	Corona	Excimo		2 Door Coupe	1987-1995
Toyota	Corona	GL	ST191	4 Door Sedan	1990-1996
Toyota	Corona	GL, GLX, GLXi	ST171	4 Door Liftback	1987-1992
Toyota	Corona	GL, GX, GLX	ST190	4 Door Sedan	1992-1996
Toyota	Corona	GL, GX, GLX	CT190	4 Door Sedan	1992-1996

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Webbing clamp seatbelts in class MA vehicles (cont.)

Brand	Model	Variant	Model Code	Configuration	Year
Toyota	Corona	GT-R	ST162	2 Door Coupe	1985-1990
Toyota	Corona	GX, GLX, GSX	ST190	4 Door Liftback	1992-1996
Toyota	Corona	ST	ST150	4 Door Liftback	1985-1987
Toyota	Corona		TT141	4 Door S/Wagon	1984-1988
Toyota	Corona		ST150	4 Door Sedan	1983-1985
Toyota	Corona		ST160	2 Door Coupe	1983-1985
Toyota	Corona		ST150R	4 Door Sedan	1984-1988
Toyota	Corona		ST170	4 Door Sedan	1987-1992
Toyota	Corsa	4D 1500 VIT-S	EL44	4 Door Sedan	1990-1996
Toyota	Corsa		E-EL43	2 Door Hatch	1990-1994
Toyota	Corsa		E-EL41	2 Door Hatch	1990-1994
Toyota	Crown	Super Saloon	MS135	4 Door Sedan	1990
Toyota	Curren		ST207	4 Door Sedan	1994-1996
Toyota	Curren		ST206	4 Door Sedan	1994-1996
Toyota	Emina		TRC10	2 Door Van	1992-1994
Toyota	Estima	Emina X	TCR10	4/Door Van	1992-1996
Toyota	Estima	T/Diesel	CXR21	4/Door Van	1992-1996
Toyota	Estima	T/Diesel	CXR20	4/Door Van	1992-1996
Toyota	Estima	T/Diesel	CXR10	4/Door Van	1992-1996
Toyota	Estima	T/Diesel	CXR11	4/Door Van	1992-1996
Toyota	Estima	X Emina	TRC10	2 Door Van	1992-1994
Toyota	Gracia		VCV11	4 Door Sedan	1991-1996
Toyota	Gracia		VCV10	4 Door Sedan	1991-1996
Toyota	Grande		GX61	4 Door Sedan	1981-1984
Toyota	Grande			4 Door Sedan	1986-1990
Toyota	Levin		AE91	4 Door Sedan	1987-1989
Toyota	Levin		E-AE95G	4 Door Sedan	1988-1995
Toyota	Levin		E-AE101	4 Door Sedan	1993-1996
Toyota	Marino		AE101-BTMER	4 Door Sedan	1992-1993
Toyota	Marino		AE91	4 Door Sedan	1987-1989
Toyota	Marino		E-AE95G	4 Door Sedan	1988-1995
Toyota	Marino		EA-E100	4 Door Sedan	1993-1997
Toyota	Mark II	LE	CX60	4 Door Sedan	1981-1983
Toyota	Rav4		E-SXA10G	2 Door RV	1994-1999
Toyota	Scepter		E-SVX/VCV15W	4 Door S/Wagon	1993-1996
Toyota	Scepter		VCV15W	2 Door Coupe	1994-1997
Toyota	Scepter		VCV15	2 Door Coupe	1994-1997
Toyota	Scepter		VCV10	2 Door Coupe	1994-1997
Toyota	Scepter		E-SXV-15	2 Door Coupe	1994-1997
Toyota	Scepter		E-SXV-10	2 Door Coupe	1994-1997
Toyota	Spacio		AE91	4 Door S/Wagon	1987-1989



Brand	Model	Variant	Model Code	Configuration	Year
Toyota	Spacio		E-AE95G	4 Door S/Wagon	1988-1995
Toyota	Sprinter	1.5 XL	AE81	4 Door Sedan	1983-1986
Toyota	Sprinter	SE Limited	AE100	4 Door Sedan	1991-1996
Toyota	Sprinter	XL Diesel	CE80	4 Door Liftback	1982-1984
Toyota	Sprinter		AE81	4 Door Liftback	1983-1987
Toyota	Starlet		KP60R	2 Door Hatch	1979-1983
Toyota	Supra		E-GA70H	2 Door Sedan	1986-1992
Toyota	Supra		MA70	2 Door Sedan	1986-1992
Toyota	Supra		E-JZA70	2 Door Sedan	1986-1992
Toyota	Tercel			4 Door S/Wagon	1985-1988
Toyota	Tercel		EL44	4 Door Sedan	1991-1997
Toyota	Tercel		E-EL43	2 Door Hatch	1992-1994
Toyota	Tercel		E-EL41	2 Door Hatch	1992-1994
Toyota	Trueno		E-AE101	4 Door Sedan	1993-1996
Toyota	Trueno		AE91	4 Door Sedan	1987-1989
Toyota	Trueno		E-AE95G	4 Door Sedan	1988-1995
Toyota	Vista		CV30	4 Door Sedan	1995-1998
Toyota	Vista		VZV30	4 Door Sedan	1990-1996
Toyota	Vista		VZV32	4 Door Sedan	1990-1996
Toyota	Vista		E-SV33	4 Door Sedan	1989-1995
Toyota	Vista		E-SV32	4 Door Sedan	1989-1995
Toyota	Vista		VZV33	4 Door Sedan	1990-1996
Toyota	Vista		E-SV25	4 Door Sedan	1988-1995
Toyota	Vista		VZV31	4 Door Sedan	1990-1996
Toyota	Vista		SV30	4 Door Sedan	1990-1996
Toyota	Windom	3.3, 2.5	E-VCV10	4 Door Sedan	1991-1995
Toyota	Windom	3.3, 2.5	E-VCV11	4 Door Sedan	1991-1995
Triumph	2000	MK 2		4 Door Sedan	1965-1979
Triumph	Stag			2 Door Convert	1970-1979
Volkswagen	Beetle	1500.00		2 Door Sedan	1968-1976
Volkswagen	Golf	CL, GL		4 Door Hatch	1984-1991
Volkswagen	Golf	GTi	WVWZZZ19ZHW	2 Door Hatch	1984-1991
Volkswagen	Polo		WVWZZ	2 Door Hatch	1992-1995

Technical bulletin 6

Inspection requirements for temporary vehicle imports

Application

This bulletin specifies the in-service inspection requirements for vehicles that have been imported temporarily from overseas. A temporary import vehicle is brought into the country by a resident of another country, usually for a maximum period of 18 months, while the vehicle remains registered in its country of origin. The vehicle must be exported from New Zealand within that period.

Inspecting a temporary import vehicle for WoF or CoF

Before inspecting a temporary import vehicle for WoF or CoF, the vehicle inspector must check that the following requirements have been met:

1. The vehicle must have the overseas registration plates attached.
2. The registration plate number must be the same as on the licence label.

Note Where the plate number has more than six digits, only the first six digits of the plate number are on the label. Where those digits already exist in the system, the six digits on the label will start with a 'V', followed by the first five digits of the plate number.

3. The label correctly describes the vehicle to which the plates are attached.
4. The licence label must be current or have expired no more than 12 months ago.
5. The label indicates that the vehicle has been 'first registered' in New Zealand less than 18 months ago.

If the above requirements are not met, or the vehicle inspector finds that the vehicle is not on the system, a WoF or CoF must not be issued. Please refer the vehicle to the nearest TSD agent.

Vehicle inspection requirements

Temporary import vehicles do not require entry or specialist certification, but are required to comply with the basic safety requirements listed in the provisions of the Geneva Convention on Road Traffic. These provisions are outlined below. For WoF/CoF inspection purposes, they apply to all temporary import vehicles, including cars, trucks and trailers, but not including mopeds and other vehicles that don't require a WoF or CoF in New Zealand. The vehicle inspector may use the main parts of the VIRM for further guidance.

Note Temporarily imported vehicles do not have to meet requirements for modification. Therefore, low volume vehicle (LVV) or heavy vehicle specialist (HVS) certification is not required. However, if a vehicle inspector feels that a vehicle is unsafe to operate, he/she may seek advice from a low volume vehicle or heavy vehicle specialist certifier.

Technical bulletin 6

Inspection requirements for temporary vehicle imports (cont.)

Group M and N vehicles

<p>General safety requirements</p>	<ol style="list-style-type: none"> 1. The vehicle must be in good working order and safe mechanical condition so as not to endanger the driver or vehicle occupants or other road users, or cause damage to public or private property. 2. The construction of the vehicle must not obstruct the driver's vision to the front, right or left of the vehicle. 3. As far as possible, the machinery or equipment of the vehicle must not: <ol style="list-style-type: none"> a) be at risk of fire or explosion, or b) cause the emission of noxious gases or offensive fumes, or c) produce excessive or disturbing noise, or d) increase the risk of a collision and/or damage caused in a collision.
<p>Brakes</p>	<ol style="list-style-type: none"> 1. The vehicle must be fitted with a service brake capable of slowing the vehicle and bringing it to a controlled stop under any conditions of loading, on any gradient that the vehicle may be operated on, in an efficient, safe and rapid way. 2. The vehicle must be fitted with a parking brake capable of bringing the vehicle to a controlled stop if the service brake fails. 3. The brakes fitted to a vehicle must be capable of acting on at least half the wheels, and brake performance must be balanced on each side of an axle. 4. At least half the braking devices must act on braking surfaces directly attached to the wheels (or through parts not liable to fail). 5. Braking surfaces must be in good condition, and must always be connected with the wheels of the vehicle in such a way that it is not possible to disconnect them, other than momentarily by means of clutch, gearbox or free wheel. 6. The parking brake must be readily applicable and capable of remaining applied for an indefinite period even in the absence of the driver.
<p>Headlamps</p>	<ol style="list-style-type: none"> 1. A vehicle must be fitted with main-beam headlamps bright enough to illuminate the road ahead for 100 m in normal darkness. 2. A vehicle must be fitted with two white or yellow dipped-beam headlamps bright enough to illuminate the road ahead for 30 m in normal darkness without causing significant dazzle to other road users. <p>Note On vehicles from left-hand drive countries the headlamps dip to the right. To avoid blinding on-coming traffic, the headlamps must be adjusted so they do not dip to the right. Generally, asymmetric beam headlamps will also need to be modified to remove the right-hand flick-up, eg by applying some form of masking, such as plastic overlay, or fitting different bulbs.</p>



<p>Other lamps</p>	<ol style="list-style-type: none"> 1. A vehicle must be fitted with two white forward-facing position lamps visible from 150 m in normal darkness without causing significant dazzle to other road users. These lamps must be mounted as far towards each side of the vehicle as is practicable, no further than 400 mm from the extreme outer edges of the vehicle. 2. A vehicle must be fitted with at least one red rearward-facing position lamp, visible from 150 m from the rear of the vehicle in normal darkness. 3. A vehicle must be fitted with a rear-registration-plate illumination lamp that illuminates the figures and letters of the plate so that they are visible from 20 m from the rear of the vehicle in normal darkness. 4. A vehicle must be fitted with two red rear reflectors symmetrically mounted as far towards each side of the vehicle as practicable, no further than 400 mm from the extreme outer edges of the vehicle. Rear reflectors must be visible from 100 m in normal darkness when illuminated by means of two main-beam headlamps. 5. A vehicle must be fitted with at least one red or amber stop lamp mounted at the rear of the vehicle. A stop lamp must operate when the service brake is applied. If the stop light is red, the light intensity must be greater than that of the rearward-facing position lamps. 6. Where the vehicle is fitted with direction indicator lamps, they must have one of the following: <ol style="list-style-type: none"> a) a moveable arm protruding beyond each side of the vehicle and illuminated by a steady amber light when the arm is in the horizontal position, or b) a constantly blinking or flashing amber light mounted on each side of the vehicle, or c) a constantly blinking or flashing light at each side of the front and rear of the vehicle. These lights must be white or orange towards the front of the vehicle, and red or orange towards the rear of the vehicle.
<p>Other components</p>	<ol style="list-style-type: none"> 1. A vehicle must be equipped with a strong steering system that allows the vehicle to be turned easily, quickly and with certainty. 2. A vehicle must be equipped with at least one driving mirror of adequate size and location to provide the driver with a clear view to the rear of the vehicle. 3. A vehicle must be fitted with at least one audible warning device (horn) that is not: <ol style="list-style-type: none"> a) a bell, or b) a gong, or c) a siren, or d) any other loud-toned device. 4. A windscreen, where fitted, must be made of a stable, transparent material that is not likely to produce sharp splinters if broken. Objects must not appear distorted when viewed through this material. 5. Where a vehicle is fitted with a windscreen, it must have at least one efficient windscreen wiper that operates without the constant control of the driver. 6. A vehicle must be fitted with an exhaust silencer system that operates constantly and cannot be interrupted by the driver while on the road. 7. A vehicle must be fitted with pneumatic tyres.

Technical bulletin 6

Inspection requirements for temporary vehicle imports (cont.)

Group L vehicles

<p>General safety requirements</p>	<ol style="list-style-type: none"> 1. The vehicle must be in good working order and safe mechanical condition so as not to endanger the driver or vehicle occupants or other road users, or cause damage to public or private property. 2. The construction of the vehicle must not obstruct the driver's vision to the front, right or left of the vehicle. 3. As far as possible, the machinery or equipment of the vehicle must not: <ol style="list-style-type: none"> a) be at risk of fire or explosion, or b) cause the emission of noxious gases or offensive fumes, or c) produce excessive or disturbing noise, or d) increase the risk of a collision and/or damage caused in a collision.
<p>Brakes</p>	<ol style="list-style-type: none"> 1. The vehicle must be fitted with two braking devices operated by hand or foot, capable of slowing the vehicle and bringing it to a controlled stop in an efficient, safe and rapid way.
<p>Headlamps</p>	<ol style="list-style-type: none"> 1. The vehicle must be fitted with at least one main-beam headlamp bright enough to illuminate the road ahead for 100 m in normal darkness. 2. The vehicle must be fitted with at least one dipped-beam headlamp bright enough to illuminate the road ahead for 30 m in normal darkness without causing significant dazzle to other road users.
<p>Other lamps</p>	<ol style="list-style-type: none"> 1. A class LD vehicle must be fitted with two white forward-facing position lamps visible from 150 m in normal darkness without causing significant dazzle to other road users. These lamps must be mounted as far towards each side of the vehicle as is practicable, no further than 400 mm from the extreme outer edges of the vehicle. 2. The vehicle must be fitted with at least one red rearward-facing position lamp, visible from 150 m from the rear of the vehicle in normal darkness. 3. The vehicle must be fitted with a rear-registration-plate illumination lamp that illuminates the figures and letters of the plate so that they are visible from 20 m to the rear of the vehicle in normal darkness. 4. Rear reflectors must be fitted to the following vehicles: <ol style="list-style-type: none"> a) A class LD vehicle must be fitted with two red rear reflectors symmetrically mounted as far towards each side of the vehicle as is practicable, no further than 400 mm from the extreme outer edges of the vehicle. b) A class LC, LE1 or LE2 vehicle must be fitted with one red rear reflector symmetrically mounted as far towards each side of the vehicle as practicable, no further than 400 mm from the extreme outer edges of the vehicle. Rear reflectors must be visible from 100 m in normal darkness when illuminated by means of two main-beam headlamps. 5. Where the vehicle is fitted with direction indicator lamps, they must have one of the following: <ol style="list-style-type: none"> a) a moveable arm protruding beyond each side of the vehicle and illuminated by a steady amber light when the arm is in the horizontal position, or b) a constantly blinking or flashing amber light mounted on each side of the vehicle, or c) a constantly blinking or flashing light at each side of the front and rear of the vehicle. These lights must be white or orange towards the front of the vehicle, and red or orange towards the rear of the vehicle.



<p>Other components</p>	<ol style="list-style-type: none"> 1. The vehicle must be equipped with a strong steering system that allows the vehicle to be turned easily, quickly and with certainty. 2. The vehicle must be equipped with at least one driving mirror of adequate size and location to provide the driver with a clear view to the rear of the vehicle. 3. A vehicle must be fitted with at least one audible warning device (horn) that is not: <ol style="list-style-type: none"> a) a bell, or b) a gong, or c) a siren, or d) any other loud-toned device. 4. A windscreen, where fitted, must be made of a stable, transparent material that is not likely to produce sharp splinters if broken. Objects must not appear distorted when viewed through this material. 5. A vehicle fitted with a windscreen must have at least one efficient windscreen wiper that operates without the constant control of the driver. 6. The vehicle must be fitted with an exhaust silencer system that operates constantly and cannot be interrupted by the driver while on the road. 7. The vehicle must be fitted with pneumatic tyres.
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Trailers

<p>General safety requirements</p>	<ol style="list-style-type: none"> 1. The trailer must be in good working order and safe mechanical condition so as not to endanger the driver or vehicle occupants or other road users, or cause damage to public or private property. 2. As far as possible, the machinery or equipment of the trailer must not: <ol style="list-style-type: none"> a) be at risk of fire or explosion, or b) cause the emission of noxious gases or offensive fumes, or c) produce excessive or disturbing noise, or d) increase the risk of a collision and/or damage caused in a collision.
<p>Lamps</p>	<ol style="list-style-type: none"> 1. The trailer at the end of a combination of vehicles must be fitted with at least one red rearward-facing position lamp, visible from 150 m from the rear of the vehicle in normal darkness. 2. The trailer must be fitted with a rear-registration-plate illumination lamp that illuminates the figures and letters of the plate so that they are visible from 20 m to the rear of the vehicle in normal darkness. 3. The trailer must be fitted with two red rear reflectors visible from 100 m in normal darkness when illuminated by means of two main-beam headlamps. 4. The trailer at the end of a combination of vehicles must be fitted with a least one red or amber stop lamp mounted at the rear of the vehicle, unless the stop light of the towing vehicle is visible from the rear. A stop light must operate when the service brake is applied. If the stop light is red, the intensity of the light output must be greater than that of the rearward-facing position lamps. 5. Where a trailer is fitted with direction indicator lamps, they must have one of the following: <ol style="list-style-type: none"> a) a moveable arm protruding beyond each side of the vehicle and illuminated by a steady amber light when the arm is in the horizontal position, or b) a constantly blinking or flashing amber light mounted on each side of the vehicle, or c) a constantly blinking or flashing light at each side of the front and rear of the vehicle. These lights must be white or amber towards the front of the vehicle, and red or amber towards the rear of the vehicle.
<p>Other components</p>	<ol style="list-style-type: none"> 1. A full trailer must be equipped with a strong steering system that allows the vehicle to be turned easily, quickly and with certainty. 2. A trailer must be fitted with pneumatic tyres.

Technical bulletin 7

Guidance for vehicle inspectors when checking tyre tread depth

Reference

General vehicles, 10-1 Tyres and wheels

Motorcycles, 10-1 Tyres and wheels

Trailers, 7-1 Tyres and wheels

Land Transport Rule: Tyres and Wheels 2001 has been amended to include new tyre tread depth requirements. These requirements became law on 1 November 2007. They take into account new tyre tread designs and allow for more consistent checking of tread depth during vehicle inspections.

Below is some guidance to help vehicle inspectors measure tyre tread depth to the new requirements for different kinds of tread patterns.

What is the new requirement for tyre tread depth?

The rule now states that a tyre must have a tread pattern depth of at least 1.5 mm (excluding any tie-bar or tread depth indicator strip) within all principal grooves that contain moulded tread depth indicators and around the whole circumference of the tyre.

Virtually all tyres have moulded tread-depth indicators. However, a small number of tyres, such as some retreaded or vintage tyres, may not have moulded tread-depth indicators. For these, the NZTA has retained the old requirement of at least 1.5 mm tread depth across $\frac{3}{4}$ of the tread width and around the whole circumference of the tyre.

What are principal grooves and tread depth indicators, and how do I find these?

Principal grooves are the wide grooves in the tyre tread which have the tread-depth indicators located inside them. Any other grooves are secondary grooves which may wear out during the service life of the tyre. Tread-depth indicators (also known as tread wear indicators or TWIs) are the projections within the principal grooves that let you know how far the tread has worn and are usually about 1.6-2.2 mm thick. If you find it difficult to find tread-depth indicators, just look along the side wall for a small '△' or 'TWI' mark (see images below).

The marks and tread-depth indicators are usually in about six places around the tyre. It is important that these are not mistaken for any shallow sections that are part of the tread pattern.



Figure 1. "△" mark



Figure 2. "TWI" mark

Technical bulletin 7 **Guidance for vehicle inspectors when checking tyre tread depth (cont.)**

Where do I measure the tread depth?

The tread depth is measured in the principal grooves that contain the tread-depth indicators. However, there are tread patterns where the principal grooves cover different widths of tyre tread. This means that in order to pass a WoF or CoF some tyres must have 1.5 mm tread depth across a greater tread width than other tyres. This is especially the case for tyres that have lateral grooves (those that end at the tyre edges), as shown in **Figure 3**. Vehicle inspectors may disregard the outer end of a lateral groove where it normally tapers off over the shoulder. Note that the tread is only that part of the tyre that is in contact with the ground.

The figures below show different tread patterns with tread-depth indicators (and therefore principal grooves) and the approximate measuring width marked.

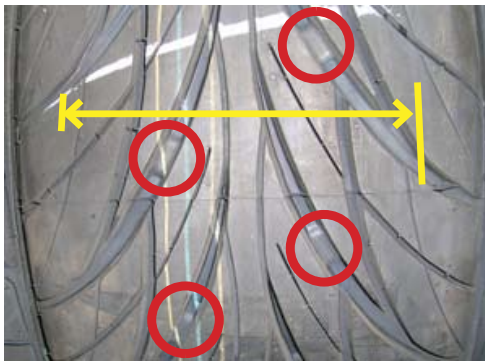


Figure 3



Figure 4



Figure 5

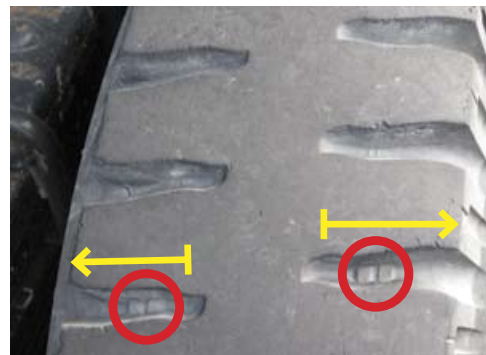


Figure 6



Figure 7



Figure 8

Technical bulletin 8

Guidance for vehicle inspectors when inspecting vehicles for clearly visible smoke

Reference

General vehicles, 11-2 Visible exhaust smoke

Motorcycles, 11-2 Visible exhaust smoke

The requirement is based on Land Transport Rule: Vehicle Exhaust Emissions 2006. The aim of this rule is to check that vehicles are not gross polluters. A Ministry of Transport study in 2006 estimated that 1–2% of petrol-powered vehicles may be affected by this test. The number of diesel vehicles affected may be higher.

Below is some guidance on how to conduct the test as well as assistance in assessing whether any smoke emissions will cause the vehicle to pass or fail.

The test for clearly visible smoke

The following test may be performed with the engine below normal operating temperature. If the vehicle fails the test, it must be repeated with the engine at normal operating temperature and purged.

The test consists of a *five-second idling test* and a *rapid acceleration test* from idle to 2500 rpm, or half the maximum engine speed if this is lower.

Five second idling test

With the engine idling, observe the tailpipe emissions for five seconds.

Rapid acceleration test

While the engine is accelerated quickly from idle to 2500 rpm (or half the maximum engine speed if this is lower), observe the tailpipe emissions. The vehicle inspector may require an assistant to accelerate the engine. The assistant must be appropriately instructed to avoid engine damage by over-accelerating the engine.

Passing or failing a vehicle

A vehicle will pass if during both tests:

- there are no visible emissions, or
- the emissions are largely water vapour, or
- the smoke is barely visible (see **Figure 1**), or
- the engine produces some visible smoke because of its design and does not emit much more smoke from the tailpipe than it would have done when the vehicle was manufactured and running on the correct fuel. The inspector may require documentary evidence that the engine produces some visible smoke because of its design.

A vehicle will fail if during either test:

- there is clearly visible smoke (see **Figures 2-5**), and
- (only in the case where the engine produces some visible smoke because of its design) there is noticeably and significantly more smoke from the tailpipe than there would have been when the vehicle was manufactured and running on the correct fuel.

Technical bulletin 8

Guidance for vehicle inspectors when inspecting vehicles for clearly visible smoke (cont.)

Pass



**Figure 1. Barely visible smoke.
This vehicle would pass.**

Fail



**Figure 2. Clearly visible smoke.
This vehicle would fail.**



**Figure 3. Clearly visible smoke.
This vehicle would fail.**



**Figure 4. Clearly visible smoke.
This vehicle would fail.**



**Figure 5. Clearly visible smoke.
This vehicle would fail.**