Reference material 41 | MoT St31391 seatbelt anchorage specifications

LAND Transport Waka Whenua

Vehicle Standards
Safety through Quality

MoT St31391 SEATBELT ANCHORAGE SPECIFICATION

1. Preamble.

   It has been necessary to produce this document because some imported vehicles from other countries do not meet the New Zealand requirements for seatbelt and seatbelt anchorages. The primary concern is with used vehicles imported from Japan. Since these currently form the bulk of imports. However, the provisions of this specification are to be applied to vehicles from other sources, as appropriate.

   The Japanese domestic requirements for seatbelts are three-point (lap-and-diagonal) in front outside seating positions, and two-point (lap) belts in other seating positions; and there are corresponding requirements for the strength of anchorage for these belts. For seating positions where the requirements for seatbelts correspond with the New Zealand requirements, the anchorage strength is deemed acceptable on cars first registered in Japan during or after 1983 provided that these positions do not share common anchorage points with other seating positions where the requirements do not correspond.

   This specification must be read in conjunction with the Transport (Vehicle Standards) Regulations 1990.

2. Disclaimer

   International performance standards form the technical basis for this specification, which is issued by the Ministry of Transport Vehicle Standards Section. However, the Ministry does not thereby assume any responsibility for the actual performance of anchorages certified in accordance with this specification.

3. Definitions

   'The Regulations' means the Transport (Vehicle Standards) Regulations 1990; and reference to any regulation by number, means one of those regulations.

   'Certifier' means a person approved to certify compliance of vehicles with the regulations.

   'Registered' means registered in New Zealand, and 'first registered' has a corresponding meaning.

   'Model Type identification' means a code, or model number, or description, which uniquely identifies that model type and variant, and which may be used for identification purposes solely by inspection of the vehicle. This shall include the model code designation contained on the identification plate which is permanently attached to the vehicle, but is not limited to that information.

4. Scope and Application

   a) All Class MA vehicles first registered on or after 1 January 1991, and all Class MB and MC vehicles first registered on or after 1 January 1992, must comply with the Regulations; unless they were first registered overseas before 1 January 1961.

   b) Seatbelt anchorages must comply with the Regulations by complying with one of the standards listed at Reference Number 19 in the Second Schedule to the Regulations, except as described in sub-clause (c) below.

   c) This specification has been prescribed by the Notice in The New Zealand Gazette, under the provisions of

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Regulation 6, as an alternative standard for seatbelt anchorages. Therefore compliance with this specification is equivalent to compliance as described in sub-clause (b) above.

5. Compliance Criteria

Every anchorage, which does not comply with one of the standards listed in the Second Schedule to the Regulations, shall comply with either:

a) Clauses 6 to 10 inclusive, or

b) Clauses 6, 10, and the requirements of Appendix XX, for vehicles first registered on or before 30 April 1991, or

c) Clauses 6, 10, and the requirements of Appendix YY, until further notice.

6. Mounting

All mounting bolts and corresponding anchorage thread sizes shall be compatible in any installation; and shall be 7/16" – 20 UNF – 2B. The hole in the vehicle panel, and holes in any other components, must all be a close clearance fit, and of the same nominal size.

7. Certification

For each vehicle which contains anchorages claimed to comply with Clauses 6, 8, 9 and 10, the Certifier must complete a certificate in the form set out in Appendix A. All parts of the certificate must be completed. The original certificate must be retained by the certifier, and stored with the other documents required to demonstrate that the vehicle complies with the Regulations.

Every anchorage certified in accordance with this clause, shall conform to a type which has been tested in accordance with clause 8. 'Conform to a type' means being identical in construction and with respect to position in the vehicle; and shall include all details such as size and shape of components, component materials, and assembly methods.

8. Test requirements

a) The technical requirements for testing under this specification shall be in accordance with ECE 14, or any other standard for seatbelt anchorages specified in the Second Schedule of the Regulations.

b) All tests referred to in this specification shall be carried out by DSIR or by a laboratory which is either registered with Telarc for the type of tests described, or has been specifically approved by the Controller Vehicle Standards for such tests.

c) Test results may only be used for certification purposes for the vehicles of the same 'model type identification'; unless the Controller Vehicle Standards has agreed in writing that another 'model type' is structurally identical, and that the results are applicable.

9. Other requirements

a) Retention of components making up the anchorage and its reinforcement shall not depend solely on the seatbelt mounting bolt. All parts of the anchorage shall remain in place if the bolt is withdrawn.

b) No holes shall be cut or drilled in any part of the vehicle body, nor shall any welding be carried out; except as otherwise explicitly instructed in the technical notification issued by the funding organisation, as described in clause 10.

c) Seatbelts shall be fitted to all seating positions required by Regulation 29, and the anchorages for those belts shall comply with this specification. In determining the number of seating positions, the guidelines set out in Vehicle Standards Policy Statement No. 16 shall be used.

10. Documentation

a) A report on each test shall be sent by the funding organisation to the Controller Vehicle Standards, Land Transport Division, Ministry of Transport, PO BOX 27459 Wellington. This report shall include the vehicle model type identification; and the details of the location and reinforcement of anchorages, by way of drawings or specifications sufficient for identification and verification or conformity.

b) If the funding organisation notified its members, or other parties, of the test results by way of model specification sheets, or any other form; then a copy of each such notification shall also be sent to the Controller Vehicle Standards.

c) Other documents in place of those specified in sub-clauses (a) and (b) may be submitted to the Controller of Vehicle standards, provided that they include all of the information described; in a clear, unambiguous manner.

d) Reports or Certification documents that are submitted in accordance with this clause, will be treated confidentially, and details will not be released without the approval of the person or organisation that submitted them.

11. Disposal of tested vehicles

a) Except as provided in sub-clause (b), body shells, which have been subjected to a seatbelt anchorage loading test as set out in this specification, shall be rendered unserviceable after the test.

b) A body shell which has been used for seatbelt anchorage testing may be subsequently examined with regard to its strength and integrity by an examiner approved by the Controller Vehicle Standards for that purpose. The examiner shall be satisfied that;

(i) the integral strength of the body has not been adversely affected,

(ii) any necessary repairs have restored the body and/or is components to their original state.

The examiner may then authorise in writing its further use as part of a road vehicle. Such authorisation will be deemed equivalent to compliance with this specification, provided that the certifier retains the original authorisation.

Postscript: Advisory only; these notes do not form part of the specification. The certifier may establish a contractual relationship with an installer (possibly including the requirement that the installer clearly acknowledges his/her obligations), and may therefore have an avenue for redress in the event of a problem. This does NOT relieve the certifier of any responsibility for compliance under Regulation 8. The installer has an important responsibility for the safety of the installation, and is recommended to keep a record of vehicles and installations.

R L Reynolds
Controller Vehicle Standards

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Seatbelt anchorage specification – Appendix A – Anchorage certificate

I hereby certify that the seatbelt anchorages in the vehicle described below comply with MoT Specification for Seatbelt Anchorages St31391, in that the vehicle in question:

Make: _____ Year: _____

Model type identification: _____

Type *(delete three)* Saloon Hatch-back Wagon Other

Chassis No/VIN | | | | | | | | | | | | | | | | |

Reg. No *(May be entered at a later date):* _____

is structurally identical with a vehicle fitted with anchorage reinforcement as described in Test Report issued by

(Lab) _____ report No. _____ dated _____

Details of Reinforcement;

*a) as installed by the manufacturer in the following locations;

_____

_____

*b) comprising; ____ *(No.)* plate(s) of ____ mm x ____ mm x ____ mm, and ____ mm x ____ mm x ____ mm, which is/are the size(s) of reinforcing plate used in the above-mentioned test, in the following locations;

_____

_____

*c) alternative methods as described in the test report, specify

_____

_____

*Delete two of the above options as appropriate. If more than one option is specified, the reasons must be given below;

_____

_____

_____

Signed: _____

(having been approved as a certifier in accordance with Regulation 8 of the Transport (Vehicle Standards) Regulations 1990)

Certifier's name: _____ Approval stamp

Address: _____

Phone: _____ Date: _____

MoT St31391 – Seatbelt anchorage specification

Appendix XX

A. This appendix is applicable only until 30 April 1991.

B. This specification for Seatbelt Anchorages succeeds the Transition Specification, which had an explicit expiry date of 31 March 1991. The time taken to disseminate technical data for anchorages, based on tests already carried out, makes it difficult to enforce an abrupt change from one specification to another.

C. Therefore this Appendix may be used for vehicle models for which successful type tests on seatbelt anchorages have been carried out before 31 March 1991; where 'successful' means that the test complied with the requirements of clause 8 of the specification.

D. Any vehicle which cannot be certified in accordance with clause 7 of the specification, may be certified as complying with the specification provided that the following conditions are met:

   1) The vehicle is registered before 30 April 1991.

   2) The vehicle is of a model type as described in Clause XXC; as shown on the list in Table 1.

   3) Technical data for the anchorage requirements have not been notified to the certifier at the time of registration. NB. The date of dispatch of this information will be recorded by the LMVDIA, and will be deemed prima facie evidence of notification to Certifiers not more than seven days later.

   4) Every anchorage is either

      a) one that was installed by the vehicle manufacturer, or

      b) reinforced with a steel plate not less than 50 mm x 40 mm x 2 mm, with corners radiuses 6 mm and all sharp edges removed.

   5) A certificate in the form attached is completed for every vehicle, and is retained with the other compliance documentation.

   6) After the Certifier is notified of the technical data for the anchorage requirements, every vehicle which has reinforcement less than specified in the technical data, is recalled and rectified in accordance with the notified technical data.

   7) The recall must be carried out as soon as possible, and in any case not later than 31 May 1991.

Reference material 41 | MoT St31391 seatbelt anchorage specifications (cont.)

Seatbelt anchorage specification – Appendix XX – Certificate

I hereby certify that the seatbelt anchorages in the vehicle described below are reinforced with a plate measuring not less than

_____ mm x _____ mm x _____ mm with corners radiused at _____ mm

Make: _____ Year: _____

Model type identification: _____

Type *(delete three)* Saloon Hatch-back Wagon Other

Chassis No/VIN | | | | | | | | | | | | | | | | |

Reg. No *(May be entered at a later date):* _____

Where there is a combination of anchorages, ie those fitted at the time of the vehicle manufacture and those fitted retrospectively in NZ identify the location of these anchorages below.

Manufacturer anchorage location/s

_____

NZ retrospectively fitted with location/s

_____

_____

On receipt of notification of technical requirements for locally installed anchorages, I undertake, if necessary, to recall and rectify the above vehicle as soon as possible, and in any case not later than 31 May 1991.

Signed: _____

(having been approved as a certifier in accordance with Regulation 8 of the Transport (Vehicle Standards) Regulations 1990)

Certifier's name: _____ Approval stamp

Address: _____

_____

Phone: _____ Date: _____

Seatbelt anchorage specification – Appendix YY – Inspection report

A. This Appendix may be used until further notice, by MoT Automotive Surveyors for the inspection of privately imported vehicles in accordance with instructions VSInf11902 dated November 1990.

B. This Appendix is only applicable to those vehicle types listed in Table 2, which will be amended as further information becomes available, as described below.

C. It is expected that one or more systems will be established during 1991, to apply the technical data for anchorages, based on tests, to privately imported cars. These systems are not yet operational.

D. Therefore this Appendix may be used for vehicles which have been imported privately according to the criteria set out in VSInf11902 until such time as the appropriate test result data can be applied to them.

E. Any vehicle which cannot be certified in accordance with clause 7 of the specification, may be certified as complying with the specification provided that the following conditions are met:

   1) The vehicle is a genuine private import.

   2) The vehicle is of a model type listed in the current edition of Table 2.

   3) Details of the imported and vehicle are recorded.

   4) Every anchorage is either

      a) One that was installed by the vehicle manufacturer, or

      b) Reinforced with a steel plate not less than 50 mm x 40 mm x 2 mm, with corners radiused at not less than 6 mm, and all sharp edges removed.

   5) A report in the form attached is completed for every vehicle. The original is to be delivered to the vehicle owner, and a countersigned copy retained at the testing station.

Reference material 41 | MoT St31391 seatbelt anchorage specifications (cont.)

Seatbelt anchorage specification – Appendix YY – Inspection report

Name of Vehicle Owner and Importer: _____
(must be the same person)

Address : _____

_____

_____ Phone: _____

I have satisfied myself that the seatbelt anchorages in the vehicle described below are reinforced with a plate measuring not less than

_____ mm x _____ mm x _____ mm with corners radiused at _____ mm

Make: _____ Year: _____

Model type identification: _____

Type *(delete three)* Saloon Hatch-back Wagon Other

Chassis No/VIN | | | | | | | | | | | | | | | | |

Reg. No *(May be entered at a later date):* _____

Where there is a combination of anchorages, ie those fitted at the time of the vehicle manufacture and those fitted retrospectively in NZ identify the location of these anchorages below.

Manufacturer anchorage location/s

_____

_____

NZ retrospectively fitted with location/s

_____

_____

When technical requirements for locally installed anchorages become available, I undertake to take all reasonable steps to notify you, if you are required to make any changes to the vehicle. Please note that the cost of any such changes must be borne by yourself

Signed: _____ Acknowledged: _____
for Station Manager *owner*

Certifier's name: _____ Approval stamp: _____

VTS: _____ Date: _____

Table 1 – Vehicles which have been successfully tested

The testing programme has been carried out by DSIR, Auckland, for the LMVDIA; with Transport Specifications Ltd (TSL) acting as project managers. They are in the process of collating and distributing the results of those tests, but have not yet been able to compile a summary list; this will done as soon as possible.

When the summary is made available to the Ministry, it will be issued as a amendment to this table; and subsequent amendments may be necessary. Information distributed in advance by the LMVDIA, TSL or the MVDI, may be used on the same basis.

Reference material 41 MoT St31391 seatbelt anchorage specifications (cont.)

Table 2 – Privately imported used cars which may be certified by MoT Vehicle Testing Station Managers

This table is current at 31 March 1991. It may be superseded without prior warning, but in any case must not be used beyond 31 December 1991.

Country of origin	Models which may be certified
Japan	Any model which is not listed in Table 1 of Appendix XX
Other countries	Any model

Table 4 – Rear Upper Original Equipment (OE) Anchorages In Class MA Vehicles

Note

1. This table only relates to Class MA vehicles as defined in the First Schedule of the Transport (Vehicle Standards) Regulations 1990.
2. This table does not include rear lower anchorages.
3. Rear upper anchorages, in MA Class vehicles not included in this table and vehicles of other classes, must be anchorage tested to one of the approved standards.
4. This amendment to Table 4 takes effect from 1 July 1993. Until this cut-off date (1 July 1993) certifiers holding the appropriate vehicle class and category authority can certify vehicles to the incorrect interpretation of Table 4 (ie for the vehicle makes listed as complying with regulation 30 of the VSR's, applying the table to classes MB and MC in addition to class MA). However it must be clearly understood that any vehicle that has been or is certified to the incorrect interpretation of Table 4 prior to 1 July 1993 is subject to recall for rectification at the certifier's expense should subsequent anchorage testing of the vehicle type reveal that the OE anchorages do not meet one of the approved standards.

   Certification using the incorrect interpretation of table 4 after 1 July 1993 must be supported by authentic documentation to prove the vehicle was in NZ before 1 July 1993. the recall provision above applies equally to vehicles certified after 1 July 1993.

Confirmation has been received from some, but NOT all, vehicle manufacturers that rear upper anchorages in MA Class vehicles built for the domestic Japanese market, comply with Regulation 30 of the Transport (Vehicle Standards) Regulations 1990. The Ministry of Transport would like to thank the New Zealand and Japanese manufacturers for their assistance.

DISCLAIMER

The information contained in this table has been supplied by the vehicle manufacturers and in turn released to the industry in good faith. This table may be superseded without prior warning, as the accuracy of the information is beyond the control of the Ministry of Transport.

A. Confirmation has NOT been received for the following:

   Daihatsu – Rear upper anchorages are not fitted in Japanese domestic model vehicles.

   Suzuki – Possibly some models. To be notified.

B. The vehicle models listed below may be certified as complying with Regulation 30 of the Transport (Vehicle Standards) Regulations 1990, provided that:

   1. Certifiers ensure that the threaded 7/16" mounting is original and has not been retrospectively fitted overseas or in New Zealand.
   2. Certifiers fit the type of seatbelt for which the anchorages have been designed.
      For instance: 3-point lap and diagonal static, or 4-point lap and diagonal retractor seatbelts.

Reference material 41 — MoT St31391 seatbelt anchorage specifications (cont.)

Make	Models
Ford	All models (within Class MA only)
Honda	All models (within Class MA only)
Mazda	All models (within Class MA only)
Mitsubishi	All models (within Class MA only)
Nissan	All models (within Class MA only)
Subaru	All models (within Class MA only)
Toyota	As listed on pages 20 to 30 dated '17 May 1991'. Where Toyota has included other than Class MA vehicles in their list of complying models, these can be accepted as well notwithstanding notes 1, 3 and 4 at the beginning of this table.

Toyota models with confirmed complying rear upper anchorages

Model	Regulation	Comments
SV21-JEMGK	FVMSS, ADR, ECE, JAPAN	AUGUST 1988 TO JULY 1990 PRODUCTION
SV21-JEPGK	FVMSS, ADR, ECE, JAPAN	AUGUST 1988 TO JULY 1990 PRODUCTION
SV21-UEMGK	FVMSS, ADR, ECE, JAPAN	AUGUST 1988 TO JULY 1990 PRODUCTION
SV21-UEPGK	FVMSS, ADR, ECE, JAPAN	AUGUST 1988 TO JULY 1990 PRODUCTION
SV21-JEMVF	FVMSS, ADR, ECE, JAPAN	AUGUST 1988 TO JULY 1990 PRODUCTION
VZV20-JEMQK	FVMSS, ADR, ECE, JAPAN	AUGUST 1988 TO JULY 1990 PRODUCTION
VZV20-JEPQK	FVMSS, ADR, ECE, JAPAN	AUGUST 1988 TO JULY 1990 PRODUCTION
SV30-	JAPAN	AFTER JULY 1990 PRODUCTION
SV32-	JAPAN	AFTER JULY 1990 PRODUCTION
SV33-	JAPAN	AFTER JULY 1990 PRODUCTION
SV35-	JAPAN	AFTER JULY 1990 PRODUCTION
CV30-	JAPAN	AFTER JULY 1990 PRODUCTION
VZV30-	JAPAN	AFTER JULY 1990 PRODUCTION
VZV31	JAPAN	AFTER JULY 1990 PRODUCTION
SV30-	JAPAN	
CV30-	JAPAN	
VZV30-	JAPAN	
SA60-BCMFS	ECE, ADR, FMVSS	
SA60-BCMSS	ECE, ADR, FMVSS	
SA60- BCPSS	ECE, ADR, FMVSS	
SA60-BCMZS	ECE, ADR, FMVSS	
SA60- BCPZS	ECE, ADR, FMVSS	
SA60-BLMFS	ECE, ADR, FMVSS	
SA60- BLMSS	ECE, ADR, FMVSS	
SA60- BLPSS	ECE, ADR, FMVSS	
SA60-BLMZS	ECE, ADR, FMVSS	
SA60-BLPZS	ECE, ADR, FMVSS	
AA63-BCMQF	ECE, ADR, FMVSS	
AA63-BLMQF	ECE, ADR, FMVSS	
TA63-BCMQZ	ECE, ADR, FMVSS	
TA63-BCPQZ	ECE, ADR, FMVSS	
TA63-BLMQZ	ECE, ADR, FMVSS	
TA63-BLPQZ	ECE, ADR, FMVSS	
GA61-BLMSE	ECE, ADR, FMVSS	
GA61- BLPSE	ECE, ADR, FMVSS	
GA61-BLMQE	ECE, ADR, FMVSS	
GA61-BLPQE	ECE, ADR, FMVSS	
GA61-BLMQF	ECE, ADR, FMVSS	
MA63-BLPST	ECE, ADR, FMVSS	
MA63-BLPQT	ECE, ADR, FMVSS	

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Model	Regulation	Comments
MA61-BLMQF	ECE, ADR, FMVSS	
MA61-BLPQF	ECE, ADR, FMVSS	
GA61-BLMQZ	ECE, ADR, FMVSS	
GA61-BLPQZ	ECE, ADR, FMVSS	
ST160-BLMNL	ECE, ADR	
ST160-BLMSL	ECE, ADR	
ST160-BLPSL	ECE, ADR	
STI60-BLMEL	ECE, ADR	
STI60-BLPEL	ECE, ADR	
STI60-TCMNL	ECE	
ST160-TCPNL	ECE	
STI60-TCMEL	ECE	
STI60-TCPEL	ECE	
AT160-BLMZF	ECE, ADR	
AT160-BLPZF	ECE, ADR	
AT160-TCMZF	ECE	
AT160-TCPZF	ECE	
ST162-BLMVF	ECE, ADR	
ST162-BLPVF	ECE, ADR	
ST165-BLMVZ	ECE	
ST162-TCMVF	ECE	
ST162-TCPVF	ECE	
ST162-BLMGK	ECE, ADR	
ST162-BLPGK	ECE	
STI62-TCMGK	ECE	
ST162-TCPGK	ECE	
STI63-BLMSM	ECE, ADR	
ST163-BLPSM	ECE, ADR	
ST163-BLMEM	ECE, ADR	
ST163-TCMNM	ECE	
ST163-TCPNM	ECE	
STI63-TCMGM	ECE	
ST163-TCPGM	ECE	
ST163-BLPEM	ECE, ADR	
ST 180-CTMNK	JAPAN	
ST180-CTPNK	JAPAN	
ST180-CTMEK	JAPAN	
ST180-CTPEK	JAPAN	
ST180-CTMSK	JAPAN	
ST180-CTPSK	JAPAN	
STI80-CTMGK	JAPAN	

Model	Regulation	Comments
STI80-CTPGK	JAPAN	
ST181-CTMSK	JAPAN	
ST181-CTPSK	JAPAN	
STI81-CTMGK	JAPAN	
STI81-CTPGK	JAPAN	
ST182-CTMSK	JAPAN	
ST182-CTPSK	JAPAN	
STI82-CTMGK	JAPAN	
STI82-CTPGK	JAPAN	
ST183-CTMSK	JAPAN	
ST183-CTPSK	JAPAN	
STI83-CTMGK	JAPAN	
ST183-CTPGK	JAPAN	
ST182-CTMVF	JAPAN	
ST182-CTPVF	JAPAN	
ST183-CTMVF	JAPAN	
ST183-CTPVF	JAPAN	
ST182-BLMSK	JAPAN, FMVSS	
STI82-BLPSK		
STI82-BLMGK	JAPAN, FMVSS	
STI82-BLPGK	JAPAN, FMVSS	
ST183-BLMSK	JAPAN, FMVSS	
ST183-BLPSK	JAPAN, FMVSS	
ST183-BLMGK	JAPAN, FMVSS	
STI83-BLPGK	JAPAN, FMVSS	
ST182-BLMVF	JAPAN, FMVSS	
ST182-BLPVF	JAPAN, FMVSS	
ST183-BLMVF	JAPAN, FMVSS	
ST183-BLPVF	JAPAN, FMVSS	
ST183-BLMZF	JAPAN, FMVSS	
ST185-BLMVZ	JAPAN	
ST185H-BLMVZ	JAPAN, FMVSS	
AT150-TLMNS	JAPAN, ECE	
AT150-TLPNS	JAPAN, ECE	
AT150-TLMES	JAPAN, ECE	
AT150-TLPES	JAPAN, ECE	
ST150-TLMNL	JAPAN, ECE	
ST150-TLPNL	JAPAN, ECE	
ST150-TLMEL	JAPAN, ECE	
ST150-TLPEL	JAPAN, ECE	
ST150-TLMSE	JAPAN, ECE	

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Model	Regulation	Comments
ST150-TLPSE	JAPAN, ECE	
ST150-TLMGE	JAPAN, ECE	
ST150-TLPGE	JAPAN, ECE	
CT150-TEMNS	JAPAN, ECE	
CT150-TEPNS	JAPAN, ECE	
CT150-TEMES	JAPAN, ECE	
CT150-TEPES	JAPAN, ECE	
ST170-ALMMM	JAPAN, ECE	
ST170-ALPMM	JAPAN, ECE	
ST170-ALMEM	JAPAN, ECE	
ST170-ALPEM	JAPAN, ECE	
ST171-ALMGK	JAPAN, ECE	
ST171-ALPGK	JAPAN, ECE	
ST171-ALMVF	JAPAN, ECE	
ST171-ALPVF	JAPAN, ECE	
ST170-AEKDK	JAPAN, ECE	
ST170-AEKNK	JAPAN, ECE	
ST170-AEMNK	JAPAN, ECE	
ST170-AEPNK	JAPAN, ECE	
ST170-AEMMK	JAPAN, ECE	
ST170-AEPMK	JAPAN, ECE	
ST170-AEMEK	JAPAN, ECE	
ST170-AEPEK	JAPAN, ECE	
ST170-AEMNK	JAPAN, ECE	
ST170-AEPNK	JAPAN, ECE	
ST170-AEMMK	JAPAN, ECE	
ST170-AEPMK	JAPAN, ECE	
ST170-AEMEK	JAPAN, ECE	
ST170-AEPEK	JAPAN, ECE	
ST170-ALMMK	JAPAN, ECE	
ST170-ALPMK	JAPAN, ECE	
ST170-ALMEK	JAPAN, ECE	
ST170-ALPEK	JAPAN, ECE	
ST171-AEMSK	JAPAN, ECE	
ST171-AEPSK	JAPAN, ECE	
ST171-ALMGK	JAPAN, ECE	
ST171-ALPGK	JAPAN, ECE	
ST171-AEMGK	JAPAN, ECE	
ST171-AEPGK		
STI71-ALMVK	JAPAN, ECE	
STI71-ALPVK	JAPAN, ECE	

Model	Regulation	Comments
STI71-AEMVF	JAPAN, ECE	
STI71-AEPVF	JAPAN, ECE	
CTI70-AEMNS	JAPAN, ECE	
CTI70-AEPNS	JAPAN, ECE	
CTI70-AEMMS	JAPAN, ECE	
CTI70-AEPMS	JAPAN, ECE	
CTI70-AEMES	JAPAN, ECE	
CTI70-AEPES	JAPAN, ECE	
GA61-BLMNE	ECE	FROM JUNE 1981 TO JULY 1983
GA61-BLMSE	ECE	FROM JUNE 1981 TO DECEMBER 1985
GA61-BLPSE	ECE	FROM JUNE 1981 TO DECEMBER 1985
GA61-BLMQE	ECE	FROM JUNE 1981 TO DECEMBER 1985
GA61-BLPQE	ECE	FROM JUNE 1981 TO DECEMBER 1985
GA61-BLMQF	ECE	FROM JUNE 1981 TO DECEMBER 1985
MA61-BLMQF	ECE	FROM JUNE 1981 TO DECEMBER 1985
MA61-BLPQF	ECE	FROM JUNE 1981 TO DECEMBER 1985
MA63-BLPST	ECE	FROM FEBRUARY 1982 TO DECEMBER 1982
MA63-BLPQT	ECE	FROM FEBRUARY 1982 TO DECEMBER 1982
GA70-BLMSE	ECE	FROM JANUARY 1986 TO JULY 1988
GA70-BJMSE	ECE	FROM JUNE 1986 TO JULY 1988
GA70-BLPSE	ECE	FROM JANUARY 1986 TO JULY 1988
GA70-BJPSE	ECE	FROM JUNE 1986 TO JULY 1988
GA70-BLMGE	ECE	FROM JANUARY 1986 TO JULY 1988
GA70-BJMGE	ECE	FROM JUNE 1986 TO JULY 1988
GA70-BLPGE	ECE	FROM JANUARY 1986 TO JULY 1988
GA70-BJPGE	ECE	FROM JUNE 1986 TO JULY 1988
GA70-BLMGK	ECE	FROM AUGUST 1988 TO AUGUST 1990
GA70-BLPGK	ECE	FROM AUGUST 1988 TO AUGUST 1990
GA70-BLMVF	ECE	AFTER JANUARY 1986
GA70-BJMVF	ECE	AFTER JUNE 1986
GA70-BLPVF	ECE	AFTER JANUARY 1986
GA70-BJPVF	ECE	AFTER JUNE 1986
GA70-BLMVZ	ECE	AFTER JANUARY 1986
GA70-BJMVZ	ECE	AFTER JUNE 1986
GA70-BLPVZ	ECE	AFTER JANUARY 1986
GA70-BJPVZ	ECE	AFTER JUNE 1986
GA70H-BLMVZ	ECE	AFTER AUGUST 1989
GA70H-BJMVZ	ECE	AFTER AUGUST 1989
GA70H-BLPVZ	ECE	AFTER AUGUST 1989
GA70H-BJPVZ	ECE	AFTER AUGUST 1989
MA70-BLMVZ	ECE	FROM JANUARY 1986 TO JULY 1990

Reference material 41 — MoT St31391 seatbelt anchorage specifications (cont.)

Model	Regulation	Comments
MA70-BJMVZ	ECE	FROM JUNE 1986 TO JULY 1990
MA70-BLPVZ	ECE	FROM JANUARY 1986 TO JULY 1990
MA70-BJPVJ	ECE	FROM JUNE 1986 TO JULY 1990
MA70-BLMZZ	ECE	FROM JANUARY 1986 TO JULY 1990
MA70-BJMZZ	ECE	FROM JUNE 1986 TO JULY 1990
MA70-BLPZZ	ECE	FROM JANUARY 1986 TO JULY 1990
MA70-BJPZZ	ECE	FROM JANUARY 1986 TO JULY 1990
MA70-BLMXZ	ECE	AFTER AUGUST 1988 (LTD TO 500 VEHICLES)
JZA70-BLMVZ	ECE	AFTER AUGUST 1990
JZA70-BJMVZ	ECE	AFTER AUGUST 1990
JZA70-BLPVZ	ECE	AFTER AUGUST 1990
JZA70-BJPVZ	ECE	AFTER AUGUST 1990
JZA70-BLMZZ	ECE	AFTER AUGUST 1990
JZA70-BJMZZ	ECE	AFTER AUGUST 1990
JZA70-BLPZZ	ECE	AFTER AUGUST 1990
JZA70-BJPZZ	ECE	AFTER AUGUST 1990
JZA70-BLMQZ	ECE	AFTER AUGUST 1990
JZA70-BLPQZ	ECE	AFTER AUGUST 1990
EP82-	JAPAN, ECE	AFTER SEPTEMBER 1990 PRODUCTION
SX60-DEMES	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
SX60-DEPES	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
GX61-XEMQE	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
GX61-XEMQP	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
GX61-XESQE	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
GX61-XEPQE	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
GX61-XEPQF	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
GX61-DEMGE	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
GX61-DEMGF	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
GX61-DEPGE	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
GX61-DEPGF	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
MX61-XEPQT	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
MX61-DEPGT	JAPAN	ONLY XG EXTRA GRADE HAS UPPER ANCHORAGES
		*NOTE: UPPER REPRESENTS SHOULDER
GX71-XEMGF	JAPAN	
GX71-XEPGF	JAPAN	
GX71-XEMGE	JAPAN	
GX71-YEPGE	JAPAN	
MX71-XEPGT	JAPAN	
GX71-YEMGF	JAPAN	
GX71-YEPGF	JAPAN	
GX71-YEMGE	JAPAN	

Model	Regulation	Comments
GX71-YEPGE	JAPAN	
MX71-YEPGE	JAPAN	
GX71-YEMME	JAPAN	
GX71-YEPME	JAPAN	
GX71-YEPME	JAPAN	
SX70-YEMES	JAPAN	
SX70-YEPES	JAPAN	
LX70-YEMEX	JAPAN	
LX70-YEPEX	JAPAN	
LX70-YEMES	JAPAN	
SX70Y-YEMRS	JAPAN	
LX70Y-YEMRS	JAPAN	
GX71-YEMZZ	JAPAN	
GX71-YEPZZ	JAPAN	
GX81-AEPZR	JAPAN	
GX81-AEMQF	JAPAN	
GX81-AEPQF	JAPAN	
GX81-AEMQK	JAPAN	
GX81-AEPQK	JAPAN	
GX81-AEMGK	JAPAN	
GX81-AEPGK	JAPAN	
SX80-AEMEM	JAPAN	
SX80-AEPEM	JAPAN	
SX80-AEMNM	JAPAN	
SX80-AEPNM	JAPAN	
SX80-AEMRM	JAPAN	
LX80-AEMEX	JAPAN	
LX80-AEPEX	JAPAN	
LX80-AEMNX	JAPAN	
LX80-AEPNX	JAPAN	
LX80-AEMNS	JAPAN	
YX80-AEMNP	JAPAN	
YX80-AEHNP	JAPAN	
SX80Y-AEMRM	JAPAN	
SX80Y-AEPRM	JAPAN	
LX80Y-AEPRX	JAPAN	
LX80Y-AEPRS	JAPAN	
YX80Y-AEMRP	JAPAN	
YX80Y-AEHRP	JAPAN	
GX80Z-AEMDK	JAPAN	
MX83-AEPZF	JAPAN	

Reference material 41 — MoT St31391 seatbelt anchorage specifications (cont.)

Model	Regulation	Comments
JZX81-AEPZF	JAPAN	
JZX81-AEPQF	JAPAN	
SX80-AEMEK	JAPAN	
SX80-AEPEK	JAPAN	
SX80-AEMNK	JAPAN	
SX80-AEPNK	JAPAN	
SX80-AEMRK	JAPAN	
SX80Y-AEMRK	JAPAN	
SX80Y-AEPRK	JAPAN	
GX81-ATMVZ	JAPAN	
GX81-ATPVZ	JAPAN	
GX81-ATPZR	JAPAN	
GX81-ATMQF	JAPAN	
GX81-ATPQF	JAPAN	
GX81-ATMQK	JAPAN	
GX81-ATPQK	JAPAN	
GX81-ATMGK	JAPAN	
GX81-ATPGK	JAPAN	
MX83-ATPZF	JAPAN	
LX80-ATMEX	JAPAN	
LX80-ATPEX	JAPAN	
JZX81-ATPVZ	JAPAN	
JZX81-ATPZF	JAPAN	
JZX81-ATPQF	JAPAN	
GX81-BTMVZ	JAPAN	
GX81-BTPVZ	JAPAN	
GX81-BTPZR	JAPAN	
GX81-BTMQF	JAPAN	
GX81-BTPQF	JAPAN	
GX81-BTMQK	JAPAN	
GX81-BTPQK	JAPAN	
GX81-BTMGK	JAPAN	
GX81-BTPGK	JAPAN	
SX80-BTMEM	JAPAN	
SX80-BTPEM	JAPAN	
SX80-BTMNM	JAPAN	
SX80-BTPNM	JAPAN	
	JAPAN	
	JAPAN	
LX80-BTMEX	JAPAN	
LX80-BTPEX	JAPAN	

Model	Regulation	Comments
LX80-BTMNX	JAPAN	
LX80-BTSNX	JAPAN	
LX80-BTMNS	JAPAN	
SX80Y-BTMRM	JAPAN	
SX80Y-BTPRM	JAPAN	
LX80Y-BTMRS	JAPAN	
LX80Y-BTPRX	JAPAN	
YX80Y-BTMRP	JAPAN	
YX80Y-BTHRP	JAPAN	
MX83-BTPZF	JAPAN	
JZX81-BTPVZ	JAPAN	
JZX81-BTPZF	JAPAN	
JZX81-BTPQF	JAPAN	
SX80-BTMEK	JAPAN	
SX80-BTPEK	JAPAN	
SX80-BTMNK	JAPAN	
SX80-BTPNK	JAPAN	
SX80Y-BTMRK	JAPAN	
SX80Y-BTPRK	JAPAN	
GX81-CEMVZ	JAPAN	
GX81-CEPVZ	JAPAN	
GX81-CEPZR	JAPAN	
GX81-CEMQF	JAPAN	
GX81-CEPQF	JAPAN	
GX81-CEMQK	JAPAN	
GX81-CEPQK	JAPAN	
GX81-CEMGK	JAPAN	
GX81-CEPGK	JAPAN	
SX80-CEMEM	JAPAN	
SX80-CEPEM	JAPAN	
LX80-CEMEX	JAPAN	
LX80-CEPEX	JAPAN	
LX80-CEMES	JAPAN	
SX80Y-CEMRM	JAPAN	
SX80Y-CEPRM	JAPAN	
LX80Y-CEPRX	JAPAN	
LX80Y-CEMRS	JAPAN	
YX80Y-CEMRP	JAPAN	
YX80Y-CEHRP	JAPAN	
MX83-CEPZF	JAPAN	
JZX81-CEPVZ	JAPAN	

Reference material 41 — MoT St31391 seatbelt anchorage specifications (cont.)

Model	Regulation	Comments
JZX81-CEPZF	JAPAN	
JZX81-CEPQF	JAPAN	
SX80-CEMEK	JAPAN	
SX80-CEPEK	JAPAN	
SX80Y-CEMRK	JAPAN	
SX80Y-CEPRK	JAPAN	
GX70G-XWMMK	JAPAN	AFTER AUGUST 1990 PRODUCTION
GX70G-XWPMK	JAPAN	AFTER AUGUST 1990 PRODUCTION
GX60-62G	JAPAN	NO REFERENCE STANDARD
GX80-	JAPAN	
GX70G-	JAPAN	AFTER AUGUST 1990 PRODUCTION
GX76V-	JAPAN	AFTER AUGUST 1990 PRODUCTION
GSI20-SEMGE	JAPAN	
GS120-SEPGE	JAPAN	
GS120-SESGE	JAPAN	
GS120-STMGE	JAPAN	
GS120-STPGE	JAPAN	
GS120-STSGE	JAPAN	
GS121-SEPQF	JAPAN	
GS121-SESQF	JAPAN	
GS121-STMQF	JAPAN	
GS121-STPQF	JAPAN	
GS121-STSQF	JAPAN	
LS120-SEPGJ	JAPAN	
LS120-SEPGT	JAPAN	
LS120-STMGX	JAPAN	
LS120-STPGJ	JAPAN	
LS120-STPGT	JAPAN	
MS120-SEPGT	JAPAN	
MS120-SEPQT	JAPAN	
MS120-STPGT	JAPAN	
MS120-STPQT	JAPAN	
MS123-SEPQF	JAPAN	
MS123-SESQF	JAPAN	
MS123-STPQF	JAPAN	
MS123-STSQF	JAPAN	
MS125-SEPQF	JAPAN	
MS125-SESQF	JAPAN	
MS125-STPQF	JAPAN	
MS125-STSQF	JAPAN	
GS121-SEPQR	JAPAN	

Model	Regulation	Comments
GS121-SESQR	JAPAN	
GS121-STPQR	JAPAN	
GS121-STSQR	JAPAN	
LS130-AEJRS	JAPAN	
LS130-AEMRS	JAPAN	
LS130-AEJDS	JAPAN	
LS130-AEMDS	JAPAN	
LS130-AEMFS	JAPAN	
LS130-AEMFX	JAPAN	
LS130-AEPFJ	JAPAN	
LS130-AEPJJ	JAPAN	
YS130-AEJRP	JAPAN	
YS130-AEMRP	JAPAN	
YS130-AESRP	JAPAN	
YSI30-AEJDP	JAPAN	
YS130-AESDP	JAPAN	
MS130-AEJDP	JAPAN	
MS130-AESDP	JAPAN	
MS130-AEPDP	JAPAN	
MS130-AEJFP	JAPAN	
MS130-AESFP	JAPAN	
MS130-AEPFP	JAPAN	
GS130-AEJRE	JAPAN	
GS130-AEMRE	JAPAN	
	JAPAN	
GS130-AEJDE	JAPAN	
GS130-AEMDE	JAPAN	
GS130-AESDE	JAPAN	
GS130-AEPDE	JAPAN	
GS130-AEMFE	JAPAN	
GS130-AESFE	JAPAN	
GS130-AEPFE	JAPAN	
GS130-AEMGE	JAPAN	
GS130-AESGE	JAPAN	
GS130-AEPGE	JAPAN	
GS130-AEMJE	JAPAN	
GS130-AESJE	JAPAN	
GS130-AEPJE	JAPAN	
GS131-AEPQF	JAPAN	
GS131-AESQR	JAPAN	
GS131-AEPQR	JAPAN	

Reference material 41 — MoT St31391 seatbelt anchorage specifications (cont.)

Model	Regulation	Comments
MS135-AESQF	JAPAN	
MS135-AEPQF	JAPAN	
MS137-AESUF	JAPAN	
MS137-AEPUF	JAPAN	
LS130-ATMES	JAPAN	
LS130-ATMEX	JAPAN	
LS130-ATMSX	JAPAN	
LS130-ATPEJ	JAPAN	
LS130-ATPSJ	JAPAN	
LS130-ATPJJ	JAPAN	
GS130-ATMEE	JAPAN	
GS130-ATPEE	JAPAN	
GS131-ATMSE	JAPAN	
GS131-ATPSE	JAPAN	
GS131-ATMJE	JAPAN	
GS131-ATSJE	JAPAN	
GS131-ATPJE	JAPAN	
GS131-ATMQF	JAPAN	
GS131-ATPQF	JAPAN	
GS131-ATPSR	JAPAN	
GS131-ATSQR	JAPAN	
GS131-ATPQR	JAPAN	
GS131-ATSQF	JAPAN	
GS131-ATPQF	JAPAN	
GS131-ATSUF	JAPAN	
GS131-ATPUF	JAPAN	
GS131-ATJRK	JAPAN	
GS130-AEMRK	JAPAN	
GS130-AEJDK	JAPAN	
GS130-AEMDK	JAPAN	
GS130-AESDK	JAPAN	
GS130-AEPDK	JAPAN	
GS130-AEMFK	JAPAN	
GS 130-AESFK	JAPAN	
GS130-AEPFK	JAPAN	
GS130-AEMGK	JAPAN	
GS130-AESGK	JAPAN	
GS130-AEPGK	JAPAN	
GS130-AEMJK	JAPAN	
GSI30-AESJK	JAPAN	
GS130-AEPJK	JAPAN	

Model	Regulation	Comments
GS130-ATMEK	JAPAN	
GS130-ATPEK	JAPAN	
GSI31-ATMSK	JAPAN	
GSI31-ATPSK	JAPAN	
GSI31-ATMJK	JAPAN	
GSI31-ATSJK	JAPAN	
GSI31-ATPJK	JAPAN	
LSI31-AEPJJ	JAPAN	
YSI30-AEJRN	JAPAN	
YS130-AEMRN	JAPAN	
YS130-AESRN	JAPAN	
YSI30-AEJDN	JAPAN	
YSI30-AESDN	JAPAN	
GSI30-AEJDD	JAPAN	
GSI30-AESDD	JAPAN	
GSI30-AEPDD	JAPAN	
GS130-AEJFD	JAPAN	
GS130-AESFD	JAPAN	
GSI30-AEPFD	JAPAN	
GS130-AEJRK	JAPAN	
GSI30-AEMRK	JAPAN	
GSI30-AEJDK	JAPAN	
GSI30-AEMDK	JAPAN	
GSI30-AESDK	JAPAN	
GSI30-AEPDK	JAPAN	
GSI30-AEMFK	JAPAN	
GS130-AESFK	JAPAN	
GS130-AEPFK	JAPAN	
GSI31-AEMGK	JAPAN	
GSI31-AESGK	JAPAN	
GSI31-AEPGK	JAPAN	
GSI31-AEMJK	JAPAN	
GSI31-AESJK	JAPAN	
GSI31-AEPJK	JAPAN	
VZSI31-AESUK	JAPAN	
VZSI31-AEPUK	JAPAN	
LSI31-ATMEX	JAPAN	
LSI31-ATMSX	JAPAN	
LSI31-ATPEJ	JAPAN	
LSI31-ATPSJ	JAPAN	
LSI31-ATPJJ	JAPAN	

Reference material 41 — MoT St31391 seatbelt anchorage specifications (cont.)

Model	Regulation	Comments
GSI31-ATMEK	JAPAN	
GSI31-ATPEK	JAPAN	
UZSI31-ATSUK	JAPAN	
UZSI31-ATPUK	JAPAN	
GS131H-ATPSR	JAPAN	
GSI31H-ATPQR	JAPAN	
MS135-ATPJF	JAPAN	
JZSI31-ATPQF	JAPAN	
JZSI31-ATSQF	JAPAN	
JZSI31-ATPJF	JAPAN	
JZS131-AEPSF	JAPAN	
JZS131-AESPQF	JAPAN	
JZS131-AESQF	JAPAN	
ATI70-CEMEK	JAPAN	AFTER MAY 1990 PRODUCTION
AT170-CEPEK	JAPAN	AFTER MAY 1990 PRODUCTION
ST170-CEMEK	JAPAN	AFTER MAY 1990 PRODUCTION
ST170-CEPEK	JAPAN	AFTER MAY 1990 PRODUCTION
AT171-CEMVF	JAPAN	AFTER MAY 1990 PRODUCTION
AT171-CEPVF	JAPAN	AFTER MAY 1990 PRODUCTION
CTI70-CEMES	JAPAN	AFTER MAY 1990 PRODUCTION
CTI70-CEPES	JAPAN	AFTER MAY 1990 PRODUCTION
STI70G-CWMXK	JAPAN	AFTER MAY 1990 PRODUCTION SX LTD ONLY
STI70G-CWPXK	JAPAN	AFTER MAY 1990 PRODUCTION SX LTD ONLY
TCR11W-RFSGK	ECE, ADR, JAPAN	EXCEPT SWIVEL SEAT
TCR21W-RFSGK	ECE, ADR, JAPAN	EXCEPT SWIVEL SEAT
FJ62V-MRC	ECE, ADR	ONLY NON-RETRACTOR BELTS CAN BE FITTED
FJ62V-MNC	ECE, ADR	ONLY NON-RETRACTOR BELTS CAN BE FITTED
FJ62V-MC	ECE, ADR	ONLY NON-RETRACTOR BELTS CAN BE FITTED
FJ61V-KC	ECE, ADR	ONLY NON-RETRACTOR BELTS CAN BE FITTED
HJ60V-MRC	ECE, ADR	ONLY NON-RETRACTOR BELTS CAN BE FITTED
HJ60V-MC	ECE, ADR	ONLY NON-RETRACTOR BELTS CAN BE FITTED
BJ61V-KC	ECE, ADR	ONLY NON-RETRACTOR BELTS CAN BE FITTED
BJ61V-MM	ECE, ADR	ONLY NON-RETRACTOR BELTS CAN BE FITTED
BJ61V-MMZ	ECE, ADR	ONLY NON-RETRACTOR BELTS CAN BE FITTED
EE80-EGKDS	ECE	
EE80-EGKNS	ECE	
AE91-AGMXK	ECE	
AE91-AHKNK	ECE	
EL41,43,44,45	JIS, FMVSS	
NL40-	ADR, FMVSS	