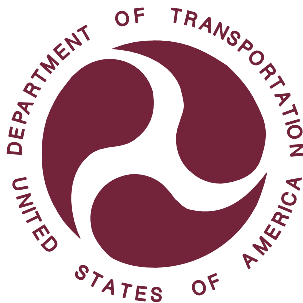


REPORT NUMBER 225-GTL-07-004

**SAFETY COMPLIANCE TESTING FOR  
FMVSS NO. 225  
CHILD RESTRAINT ANCHORAGE SYSTEMS  
LOWER AND TETHER ANCHORAGES**

**SUZUKI MOTOR CORPORATION, JAPAN  
2007 SUZUKI AERIO, PASSENGER CAR  
NHTSA NO. C70503**

**GENERAL TESTING LABORATORIES, INC.  
1623 LEEDSTOWN ROAD  
COLONIAL BEACH, VIRGINIA 22443**



APRIL 18, 2008

FINAL REPORT

PREPARED FOR

**U. S. DEPARTMENT OF TRANSPORTATION  
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION  
ENFORCEMENT  
OFFICE OF VEHICLE SAFETY COMPLIANCE  
1200 NEW JERSEY AVE., SE  
WASHINGTON, D.C. 20590**

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Prepared By: Debbie Messick  
Approved By: [Signature]  
Approval Date: 4/18/08

**FINAL REPORT ACCEPTANCE BY OVSC:**

Accepted By: [Signature]  
Acceptance Date: 4/18/08

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## SECTION 1

### PURPOSE OF COMPLIANCE TEST

#### 1.0 PURPOSE OF COMPLIANCE TEST

A 2007 Suzuki Aerio Passenger Car was subjected to Federal Motor Vehicle Safety Standard (FMVSS) No. 225 testing to determine if the vehicle was in compliance with the requirements of the standard. The purpose of this standard is to establish requirements for child restraint anchorage systems to ensure their proper location and strength for the effective securing of child restraints, to reduce the likelihood of the anchorage systems' failure and to increase the likelihood that child restraints are properly secured and thus more fully achieve their potential effectiveness in motor vehicles.

1.1 The test vehicle was a 2007 Suzuki Aerio Passenger Car. Nomenclature applicable to the test vehicle are:

A. Vehicle Identification Number: JS2RA62S675353819

B. NHTSA No.: C70503

C. Manufacturer: SUZUKI MOTOR CORPORATION, JAPAN

D. Manufacture Date: 12/06

#### 1.2 TEST DATE

The test vehicle was subjected to FMVSS No. 225 testing on November 5, 2007 through April 1, 2008.

## SECTION 2

### COMPLIANCE TEST RESULTS

#### 2.0 TEST RESULTS

All tests were conducted in accordance with NHTSA, Office of Vehicle Safety Compliance (OVSC) Laboratory Procedures, TP-225-01 dated 11 April 2005.

Based on the test performed, the 2007 SUZUKI AERIO PASSENGER CAR appears to meet the requirements of FMVSS 225 testing.

## SECTION 3

## COMPLIANCE TEST DATA

3.0 TEST DATA

The following data sheets document the results of testing on the 2007 Suzuki Aerio Passenger Car.



DATA SHEET 1  
SUMMARY OF RESULTS

VEH. MOD YR/MAKE/MODEL/BODY: 2007 SUZUKI AERIO PASSENGER CAR  
 VEH. NHTSA NO: C70503; VIN: JS2RA62S675353819  
 VEH. BUILD DATE: 12/06; TEST DATE: NOVEMBER 5, 2007-APRIL 1, 2008  
 TEST LABORATORY: GENERAL TESTING LABORATORIES  
 OBSERVERS: GRANT FARRAND, JIMMY LATANE

**A. VISUAL INSPECTION OF TEST VEHICLE**

Upon receipt for completeness, function, and discrepancies or damage which might influence the testing.

RESULTS: OK FOR TEST

**B. REQUIREMENTS FOR CHILD RESTRAINT SYSTEMS AND TETHER ANCHORAGES**

	PASS	FAIL
DSP a	<u>  X  </u>	<u>      </u>
DSP b	<u>  X  </u>	<u>      </u>
DSP c	<u>  X  </u>	<u>      </u>

**C. LOCATION OF TETHER ANCHORAGES**

	PASS	FAIL
DSP a	<u>  X  </u>	<u>      </u>
DSP b	<u>  X  </u>	<u>      </u>
DSP c	<u>  X  </u>	<u>      </u>

**D. LOWER ANCHORAGE DIMENSIONS**

	PASS	FAIL
DSP a	<u>  X  </u>	<u>      </u>
DSP b	<u>  N/A  </u>	<u>  N/A  </u>
DSP c	<u>  X  </u>	<u>      </u>

DATA SHEET 1 CONTINUED  
SUMMARY OF RESULTS

**E. CONSPICUITY AND MARKING OF LOWER ANCHORAGES**

	PASS	FAIL
DSP a	<u>  X  </u>	<u>      </u>
DSP b	<u>  N/A  </u>	<u>  N/A  </u>
DSP c	<u>  X  </u>	<u>      </u>

**F. STRENGTH OF TETHER ANCHORAGES**

	PASS	FAIL
DSP a	<u>  X  </u>	<u>      </u>
DSP b	<u>  X  </u>	<u>      </u>
DSP c	<u>  N/A  </u>	<u>  N/A  </u>

**G. STRENGTH OF LOWER ANCHORAGES (Forward Force)**

	PASS	FAIL
DSP a	<u>  N/A  </u>	<u>  N/A  </u>
DSP b	<u>  N/A  </u>	<u>  N/A  </u>
DSP c	<u>  X  </u>	<u>      </u>

**H. STRENGTH OF LOWER ANCHORAGE (Lateral Force)**

	PASS	FAIL
DSP a	<u>  N/A  </u>	<u>  N/A  </u>
DSP b	<u>  N/A  </u>	<u>  N/A  </u>
DSP c	<u>  N/A  </u>	<u>  N/A  </u>

**I. OWNER'S MANUAL**

	PASS	FAIL
	<u>  X  </u>	<u>      </u>

REMARKS: DSP a = Left Rear Outboard, DSP b = Center, DSP c = Right Rear Outboard

RECORDED BY:   G. Farrand  

DATE:   04/01/08  

APPROVED BY:   D. Messick

DATA SHEET 2  
 REQUIREMENTS FOR CHILD RESTRAINT ANCHORAGE SYSTEMS  
 AND TETHER ANCHORAGES

VEH. MOD YR/MAKE/MODEL/BODY: 2007 SUZUKI AERIO PASSENGER CAR  
 VEH. NHTSA NO: C70503; VIN: JS2RA62S675353819  
 VEH. BUILD DATE: 12/06; TEST DATE: NOVEMBER 5, 2007  
 TEST LABORATORY: GENERAL TESTING LABORATORIES  
 OBSERVERS: GRANT FARRAND, JIMMY LATANE

Number of rows of seats: 2  
 Number of rear, forward-facing designated seating positions: 3  
 Number of required CRAS (lower anchorages only, for convertibles/school buses): 2  
 Number of required tether anchorages (can be additional CRAS): 3  
 Is the vehicle a convertible? NO  
 Is the vehicle a school bus? NO

Does the vehicle have a CRAS (lower anchorage only, for convertibles/school buses) installed at a front passenger seating position? NO

If NO, skip to next question.

If YES, does the vehicle have rear designated seating positions? \_\_\_\_\_

If NO, does the vehicle have an air bag on-off switch or a special exemption for no passenger air bag?

If NO = FAIL      If YES = PASS

If Yes, does the vehicle meet the requirements of S4.5.4.1 (b) of S208 and have and air bag on-off switch or a special exemption for no passenger air bag? \_\_\_\_\_

Record the distance between the front and rear seat back: \_\_\_\_\_

If Distance < 720 mm and vehicle has an air bag on-off switch or special exemption = PASS

If Distance ≥ 720 mm or no air bag on-off switch or no special exemption = FAIL

Does the vehicle have rear designated seating position(s) where the lower bars of a CRAS are prevented from being located because of transmission and/or suspension component interference? NO

If NO, skip to next question.

If YES, does the vehicle have a tether anchorage at a front passenger seating position? \_\_\_\_\_

YES = PASS      NO = FAIL (S5(e))

Number of provided CRAS (lower anchorage only, for convertibles/school buses), indicate if a built-in child restraint is counted as a CRAS: 2

Is the number of provided CRAS (lower anchorages only, for convertible/school buses) greater than or equal to the number of required CRAS (lower anchorages only, for convertibles/school buses)? YES

YES = PASS      NO = FAIL (S4.4(a) or (b) or (c))

DATA SHEET 2 CONTINUED

If the vehicle has 3 or more rows of seats is a CRAS (lower anchorage only for convertibles/school buses) provided in the second row:           N/A            
 YES = PASS                      NO = FAIL (S4.4(a)(1))

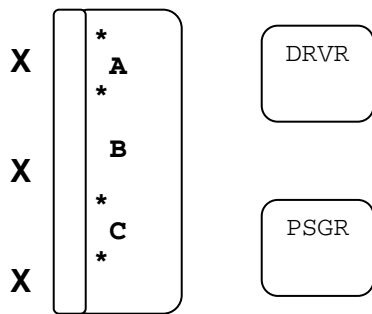
Number of provided tether anchorages (can be additional CRAS) indicate if a built-in child restraint is counted as tether anchorage (NOTE: a built-in child restraint can only be counted toward either the required number of CRAS or tether anchorages, not both):           3          

Is the number of provided tether anchorages greater than or equal to the number of required tether anchorages?           YES            
 YES = PASS                      NO = FAIL (S4.4 (a) or (b) or (c))

If the vehicle has 3 or more rear dsps and a non-outboard dsp, is a tether anchorage or CRAS provided at a non-outboard dsp?           YES            
 YES = PASS                      NO = FAIL (S4.4 (a)(2))

Are all tether and lower anchorages available for use at all times when the seat is configured for passenger use?           YES            
 YES = PASS                      NO = FAIL (S4.6 (b))

Provide a diagram showing the location of lower anchorages and/or tether anchorages.



X = Top Tether  
 \* = Lower Anchors

RECORDED BY:           G. Farrand          

DATE:           11/05/07          

APPROVED BY:           D. Messick

DATA SHEET 3  
LOCATION OF TETHER ANCHORAGES

VEH. MOD YR/MAKE/MODEL/BODY: 2007 SUZUKI AERIO PASSENGER CAR  
 VEH. NHTSA NO: C70503; VIN: JS2RA62S675353819  
 VEH. BUILD DATE: 12/06; TEST DATE: NOVEMBER 5, 2007  
 TEST LABORATORY: GENERAL TESTING LABORATORIES  
 OBSERVERS: GRANT FARRAND, JIMMY LATANE

DESIGNATED SEATING POSITION: ROW 2 LEFT SIDE (DSP A)

Detailed description of the location of the tether anchorage:  
 Located on hat shelf behind rear seat.

Based on visual inspection, is the tether anchorage within the shaded zone? YES

If YES = PASS, skip to next section

If NO, After constructing the shaded zone, is the tether anchorage within the shaded zone? \_\_\_\_\_

If YES = PASS, skip to next section

If NO, Is it possible to locate a tether anchorage within the shaded zone without removing a seating component?

If YES = FAIL (S6.2.1)

If NO, Is a tether routing device provided?

If YES = PASS

IF NO = FAIL (S6.2.1.2)

Is the tether anchorage recessed? NO

If NO, skip to next question

If YES, is it outside of the tether strap wraparound area? YES

YES = PASS NO = FAIL (S6.2.1)

Does the tether anchorage permit attachment of a tether hook? YES

YES = PASS NO = FAIL (S6.1(a))

Is the tether anchorage accessible without the need for any tools other than a screwdriver or coin? YES

YES = PASS NO = FAIL (S6.1(b))

After the tether anchorage is accessed, is it ready for use without the need for tools? YES

YES = PASS NO = FAIL (S6.1(c))

Is the tether anchorage sealed to prevent the entry of exhaust fumes into the passenger compartment? YES

YES = PASS NO = FAIL (S6.1(d))

If the DSP has a tether routing device, is it flexible or rigid? N/A

## DATA SHEET 3 CONTINUED

DESIGNATED SEATING POSITION: ROW 2 LEFT SIDE (DSP A)

If the DSP has a flexible tether routing device, after installing SFAD2 record the tether strap tension: N/A (Must be 60 N  $\pm$  5 N)

If the DSP has a flexible tether routing device, record the horizontal distance between the torso reference plane and the routing device: N/A  
 Greater than or equal to 65mm = PASS      Less than 65mm = FAIL

If the DSP has a rigid tether routing device, record the horizontal distance between the torso reference plane and the routing device: N/A  
 Greater than or equal to 100mm = PASS      Less than 100mm = FAIL

COMMENTS:

RECORDED BY: G. FarrandDATE: 11/05/07APPROVED BY: D. Messick

DATA SHEET 3A  
LOCATION OF TETHER ANCHORAGES

VEH. MOD YR/MAKE/MODEL/BODY: 2007 SUZUKI AERIO PASSENGER CAR  
 VEH. NHTSA NO: C70503; VIN: JS2RA62S675353819  
 VEH. BUILD DATE: 12/06; TEST DATE: NOVEMBER 5, 2007  
 TEST LABORATORY: GENERAL TESTING LABORATORIES  
 OBSERVERS: GRANT FARRAND, JIMMY LATANE

DESIGNATED SEATING POSITION: ROW 2 CENTER POSITION (DSP B)

Detailed description of the location of the tether anchorage:  
 Located on hat shelf behind rear seat.

Based on visual inspection, is the tether anchorage within the shaded zone? YES

If YES = PASS, skip to next section

If NO, After constructing the shaded zone, is the tether anchorage within the shaded zone? \_\_\_\_\_

If YES = PASS, skip to next section

If NO, Is it possible to locate a tether anchorage within the shaded zone without removing a seating component?

If YES = FAIL (S6.2.1)

If NO, Is a tether routing device provided?

If YES = PASS

IF NO = FAIL (S6.2.1.2)

Is the tether anchorage recessed? NO

If NO, skip to next question

If YES, is it outside of the tether strap wraparound area? YES

YES = PASS NO = FAIL (S6.2.1)

Does the tether anchorage permit attachment of a tether hook? YES

YES = PASS NO = FAIL (S6.1(a))

Is the tether anchorage accessible without the need for any tools other than a screwdriver or coin? YES

YES = PASS NO = FAIL (S6.1(b))

After the tether anchorage is accessed, is it ready for use without the need for tools? YES

YES = PASS NO = FAIL (S6.1(c))

Is the tether anchorage sealed to prevent the entry of exhaust fumes into the passenger compartment? YES

YES = PASS NO = FAIL (S6.1(d))

If the DSP has a tether routing device, is it flexible or rigid? N/A

## DATA SHEET 3A CONTINUED

DESIGNATED SEATING POSITION: ROW 2 CENTER POSITION (DSP B)

If the DSP has a flexible tether routing device, after installing SFAD2 record the tether strap tension: N/A (Must be 60 N  $\pm$  5 N)

If the DSP has a flexible tether routing device, record the horizontal distance between the torso reference plane and the routing device: N/A  
 Greater than or equal to 65mm = PASS      Less than 65mm = FAIL

If the DSP has a rigid tether routing device, record the horizontal distance between the torso reference plane and the routing device: N/A  
 Greater than or equal to 100mm = PASS      Less than 100mm = FAIL

COMMENTS:

RECORDED BY: G. FarrandDATE: 11/05/07APPROVED BY: D. Messick



DATA SHEET 3B  
LOCATION OF TETHER ANCHORAGES

VEH. MOD YR/MAKE/MODEL/BODY: 2007 SUZUKI AERIO PASSENGER CAR  
 VEH. NHTSA NO: C70503; VIN: JS2RA62S675353819  
 VEH. BUILD DATE: 12/06; TEST DATE: NOVEMBER 5, 2007  
 TEST LABORATORY: GENERAL TESTING LABORATORIES  
 OBSERVERS: GRANT FARRAND, JIMMY LATANE

DESIGNATED SEATING POSITION: ROW 2 RIGHT SIDE (DSP C)

Detailed description of the location of the tether anchorage:  
 Located on hat shelf behind rear seat.

Based on visual inspection, is the tether anchorage within the shaded zone? YES

If YES = PASS, skip to next section

If NO, After constructing the shaded zone, is the tether anchorage within the shaded zone? \_\_\_\_\_

If YES = PASS, skip to next section

If NO, Is it possible to locate a tether anchorage within the shaded zone without removing a seating component?

If YES = FAIL (S6.2.1)

If NO, Is a tether routing device provided?

If YES = PASS

IF NO = FAIL (S6.2.1.2)

Is the tether anchorage recessed? NO

If NO, skip to next question

If YES, is it outside of the tether strap wraparound area? YES

YES = PASS NO = FAIL (S6.2.1)

Does the tether anchorage permit attachment of a tether hook? YES

YES = PASS NO = FAIL (S6.1(a))

Is the tether anchorage accessible without the need for any tools other than a screwdriver or coin? YES

YES = PASS NO = FAIL (S6.1(b))

After the tether anchorage is accessed, is it ready for use without the need for tools? YES

YES = PASS NO = FAIL (S6.1(c))

Is the tether anchorage sealed to prevent the entry of exhaust fumes into the passenger compartment? YES

YES = PASS NO = FAIL (S6.1(d))

If the DSP has a tether routing device, is it flexible or rigid? N/A

## DATA SHEET 3B CONTINUED

DESIGNATED SEATING POSITION: ROW 2 RIGHT SIDE (DSP C)

If the DSP has a flexible tether routing device, after installing SFAD2 record the tether strap tension: N/A (Must be 60 N  $\pm$  5 N)

If the DSP has a flexible tether routing device, record the horizontal distance between the torso reference plane and the routing device: N/A  
 Greater than or equal to 65mm = PASS      Less than 65mm = FAIL

If the DSP has a rigid tether routing device, record the horizontal distance between the torso reference plane and the routing device: N/A  
 Greater than or equal to 100mm = PASS      Less than 100mm = FAIL

COMMENTS:

RECORDED BY: G. FarrandDATE: 11/05/07APPROVED BY: D. Messick

DATA SHEET 4  
LOWER ANCHORAGE DIMENSIONS

VEH. MOD YR/MAKE/MODEL/BODY: 2007 SUZUKI AERIO PASSENGER CAR  
 VEH. NHTSA NO: C70503; VIN: JS2RA62S675353819  
 VEH. BUILD DATE: 12/06; TEST DATE: NOVEMBER 5, 2007  
 TEST LABORATORY: GENERAL TESTING LABORATORIES  
 OBSERVERS: GRANT FARRAND, JIMMY LATANE

DESIGNATED SEATING POSITION: ROW 2 LEFT SIDE (DSP A)

Outboard Lower Anchorage bar diameter: 6.06 mm  
 $6\text{mm} \pm 0.1\text{ mm} = \text{PASS}$  Other size = FAIL (S9.1.1(a))

Inboard Lower Anchorage bar diameter: 6.03 mm  
 $6\text{mm} \pm 0.1\text{mm} = \text{PASS}$  Other size = FAIL (S9.1.1(a))

Are the bars straight, horizontal and transverse? YES  
 YES = PASS NO = FAIL

Length of the straight portion of the bar (outboard lower anchorage): 33 mm  
 Length  $\geq 25\text{mm}$  = PASS Length  $< 25\text{mm}$  = FAIL(S9.1.1(c) (i))

Length of the straight portion of the bar (inboard lower anchorage): 32 mm  
 Length  $\geq 25\text{mm}$  = PASS Length  $< 25\text{mm}$  = FAIL(S9.1.1(c) (i))

Length between the anchor bar supports (outboard lower anchorage): 44 mm  
 Length  $\leq 60\text{mm}$  = PASS Length  $> 60\text{mm}$  = FAIL(S9.1.1(c) (ii))

Length between the anchor bar supports (inboard lower anchorage): 44 mm  
 Length  $\leq 60\text{mm}$  = PASS Length  $> 60\text{mm}$  = FAIL(S9.1.1(c) (ii))

CRF Pitch angle: 14.0  
 Angle =  $15^\circ \pm 10^\circ$  = PASS Angle  $\neq 15^\circ \pm 10^\circ$  = FAIL (S9.2.1)

CRF Roll angle: 0.0  
 Angle =  $0^\circ \pm 5^\circ$  = PASS Angle  $\neq 0^\circ \pm 5^\circ$  = FAIL (S9.2.1)

CRF Yaw angle: 0.0  
 Angle =  $0^\circ \pm 10^\circ$  = PASS Angle  $\neq 0^\circ \pm 10^\circ$  = FAIL (S9.2.1)

Distance between point Z on the CRF and the front surface of outboard anchor bar: 48  
 Distance  $\leq 70\text{mm}$  = PASS Distance  $> 70\text{mm}$  = FAIL

Distance between point Z on the CRF and the front surface of inboard anchor bar: 48  
 Distance  $\leq 70\text{mm}$  = PASS Distance  $> 70\text{mm}$  = FAIL

## DATA SHEET 4 CONTINUED

DESIGNATED SEATING POSITION: ROW 2 LEFT SIDE (DSP A)Distance between SgRP and the front surface of outboard anchor bar: 153 mm  
Distance  $\geq$  120mm = PASS      Distance < 120mm = FAILDistance between SgRP and the front surface of inboard anchor bar: 156 mm  
Distance  $\geq$  120mm = PASS      Distance < 120mm = FAILBased on visual observation, would a 100 N load cause the anchor bar to deform more than 5 mm? NO

If NO = PASS

If YES = FAIL (S9.1.1(g)), Provide further description of the attachment of the anchor bar:

COMMENTS:

RECORDED BY: G. FarrandDATE: 11/06/07APPROVED BY: D. Messick

DATA SHEET 4A  
LOWER ANCHORAGE DIMENSIONS

VEH. MOD YR/MAKE/MODEL/BODY: 2007 SUZUKI AERIO PASSENGER CAR  
 VEH. NHTSA NO: C70503; VIN: JS2RA62S675353819  
 VEH. BUILD DATE: 12/06; TEST DATE: NOVEMBER 5, 2007  
 TEST LABORATORY: GENERAL TESTING LABORATORIES  
 OBSERVERS: GRANT FARRAND, JIMMY LATANE

DESIGNATED SEATING POSITION: ROW 2 RIGHT SIDE (DSP C)

Outboard Lower Anchorage bar diameter: 6.00 mm  
 6mm  $\pm$  0.1 mm = PASS Other size = FAIL (S9.1.1(a))

Inboard Lower Anchorage bar diameter: 6.02 mm  
 6mm  $\pm$  0.1mm = PASS Other size = FAIL (S9.1.1(a))

Are the bars straight, horizontal and transverse? YES  
 YES = PASS NO = FAIL

Length of the straight portion of the bar (outboard lower anchorage): 34 mm  
 Length  $\geq$ 25mm = PASS Length <25mm = FAIL(S9.1.1(c) (i))

Length of the straight portion of the bar (inboard lower anchorage): 33 mm  
 Length  $\geq$ 25mm = PASS Length <25mm = FAIL(S9.1.1(c) (i))

Length between the anchor bar supports (outboard lower anchorage): 44 mm  
 Length  $\leq$ 60mm = PASS Length >60mm = FAIL(S9.1.1(c) (ii))

Length between the anchor bar supports (inboard lower anchorage): 44 mm  
 Length  $\leq$ 60mm = PASS Length >60mm = FAIL(S9.1.1(c) (ii))

CRF Pitch angle: 13.3  
 Angle =  $15^{\circ} \pm 10^{\circ}$  = PASS Angle  $\neq 15^{\circ} \pm 10^{\circ}$  = FAIL (S9.2.1)

CRF Roll angle: 0.0  
 Angle =  $0^{\circ} \pm 5^{\circ}$  = PASS Angle  $\neq 0^{\circ} \pm 5^{\circ}$  = FAIL (S9.2.1)

CRF Yaw angle: 0.0  
 Angle =  $0^{\circ} \pm 10^{\circ}$  = PASS Angle  $\neq 0^{\circ} \pm 10^{\circ}$  = FAIL (S9.2.1)

Distance between point Z on the CRF and the front surface of outboard anchor bar: 48  
 Distance  $\leq$ 70mm = PASS Distance > 70mm = FAIL

Distance between point Z on the CRF and the front surface of inboard anchor bar: 48  
 Distance  $\leq$ 70mm = PASS Distance > 70mm = FAIL

## DATA SHEET 4A CONTINUED

DESIGNATED SEATING POSITION: ROW 2 RIGHT SIDE (DSP C)Distance between SgRP and the front surface of outboard anchor bar: 156 mm  
Distance  $\geq$  120mm = PASS      Distance < 120mm = FAILDistance between SgRP and the front surface of inboard anchor bar: 156 mm  
Distance  $\geq$  120mm = PASS      Distance < 120mm = FAILBased on visual observation, would a 100 N load cause the anchor bar to deform more than 5 mm? NO

If NO = PASS

If YES = FAIL (S9.1.1(g)), Provide further description of the attachment of the anchor bar:

COMMENTS:

RECORDED BY: G. FarrandDATE: 11/06/07APPROVED BY: D. Messick

DATA SHEET 5  
CONSPICUITY AND MARKING OF LOWER ANCHORAGES

VEH. MOD YR/MAKE/MODEL/BODY: 2007 SUZUKI AERIO PASSENGER CAR  
 VEH. NHTSA NO: C70503; VIN: JS2RA62S675353819  
 VEH. BUILD DATE: 12/06; TEST DATE: NOVEMBER 6, 2007  
 TEST LABORATORY: GENERAL TESTING LABORATORIES  
 OBSERVERS: GRANT FARRAND, JIMMY LATANE

DESIGNATED SEATING POSITION: ROW 2 LEFT AND RIGHT SIDE (DSP A & C)

MARKING (Circles)

Diameter of the circle: 16.7 mm  
 Diameter  $\geq 13\text{mm}$  = PASS      Diameter  $< 13\text{mm}$  = FAIL (S9.5(a)(1))

Does the circle have words, symbols or pictograms? PICTOGRAPH  
 NO skip to next question  
 YES, are the meaning of the words, symbols or pictograms explained in the owner's manual? YES  
 YES = PASS      NO = FAIL (S9.5(a)(2))

Where is the circle located? Seat back or seat Cushion: Seat Back

For circles on seat backs, vertical distance from the center of the circle to the center of the anchor bar: 51 mm  
 Distance between 50&100mm = PASS    Other Distance=FAIL (S9.5(a)(3))

For circles on seat cushions, horizontal distance from the center of the circle to the center of the bar: N/A  
 Distance between 75&125mm= PASS    Other Distance=FAIL (S9.5(a)(3))

Lateral distance from the center of the circle to the center of the anchor bar: 5  
 Distance  $\leq 25\text{mm}$  = PASS      Distance  $> 25\text{mm}$  = FAIL (S9.5(a)(3))

CONSPICUITY (No Circles)

Is the anchor bar or guide visible when viewed from a point 30° above the horizontal in a vertical longitudinal plane bisecting the anchor bar or guide? N/A  
 YES = PASS      NO = FAIL (S9.5(b))

If there is a guide, is it permanently attached? N/A  
 YES = PASS      NO = FAIL (S9.5(b))

## DATA SHEET 5 CONTINUED

DESIGNATED SEATING POSITION: ROW 2 LEFT SIDE AND RIGHT SIDE (DSP A & C)Is there a cap or cover over the anchor bar? N/A

If YES, Is the cap or cover marked with words, symbols or pictograms? \_\_\_\_\_

If NO = FAIL (S9.5(b))

If YES, is the meaning of the words, symbols or pictograms explained in the owner's manual?

YES = PASS            NO = FAIL (S9.5(b))

If NO, there are no requirements for having a cover.

RECORDED BY: G. FarrandDATE: 11/06/07APPROVED BY: D. Messick



DATA SHEET 6  
STRENGTH OF TETHER ANCHORAGES

VEH. MOD YR/MAKE/MODEL/BODY: 2007 SUZUKI AERIO PASSENGER CAR  
 VEH. NHTSA NO: C70503; VIN: JS2RA62S675353819  
 VEH. BUILD DATE: 12/06; TEST DATE: MARCH 31, 2008  
 TEST LABORATORY: GENERAL TESTING LABORATORIES  
 OBSERVERS: GRANT FARRAND, JIMMY LATANE  
 TEST NO: 5981

DESIGNATED SEATING POSITION: ROW 2 LEFT SIDE (DSP A)

SFAD: 2

Seat Back Angle: 24° FIXED

Location of seat back angle measurement: 2D Template

Head Restraint Position: UP

D-ring Position: N/A

Force at Point X (lower front crossmember for SFAD2) while securing belts and tether: 135 N

Lap belt tension: N/A (SFAD 1 only)

Tether strap tension: 65 N

Angle (measured above the horizontal at 500 N): 10°

Separation of tether anchorage at 500 N: NO  
 NO = PASS YES = FAIL (S6.3.1)

Force application rate: 575 N/S

Time to reach maximum force (24-30 s): 26 sec.

Maximum force (14,950 N ± 50 N): 14,959 N

Tested simultaneously with another DSP? NO

COMMENTS: Displacement at maximum load 42 mm.

RECORDED BY: G. FARRAND

DATE: 03/31/08

APPROVED BY: D. MESSICK

DATA SHEET 7  
STRENGTH OF TETHER ANCHORAGES

VEH. MOD YR/MAKE/MODEL/BODY: 2007 SUZUKI AERIO PASSENGER CAR  
 VEH. NHTSA NO: C70503; VIN: JS2RA62S675353819  
 VEH. BUILD DATE: 12/06; TEST DATE: APRIL 1, 2008  
 TEST LABORATORY: GENERAL TESTING LABORATORIES  
 OBSERVERS: GRANT FARRAND, JIMMY LATANE  
 TEST NO: 5983

DESIGNATED SEATING POSITION: ROW 2 CENTER (DSP B)

SFAD: 1

Seat Back Angle: 18° FIXED

Location of seat back angle measurement: 2D Template

Head Restraint Position: UP

D-ring Position: N/A

Force at Point X (lower front crossmember for SFAD2) while securing belts and tether: 135 N

Lap belt tension: 65 N (SFAD 1 only)

Tether strap tension: 65 N

Angle (measured above the horizontal at 500 N): 10°

Separation of tether anchorage at 500 N: NO  
 NO = PASS YES = FAIL (S6.3.1)

Force application rate: 575 N/S

Time to reach maximum force (24-30 s): 26 sec.

Maximum force (14,950 N ± 50 N): 14,923 N

Tested simultaneously with another DSP? NO

COMMENTS:

RECORDED BY: G. FARRAND

DATE: 04/01/08

APPROVED BY: D. MESSICK

DATA SHEET 8  
STRENGTH OF LOWER ANCHORAGES (Forward Force)

VEH. MOD YR/MAKE/MODEL/BODY: 2007 SUZUKI AERIO PASSENGER CAR  
 VEH. NHTSA NO: C70503; VIN: JS2RA62S675353819  
 VEH. BUILD DATE: 12/06; TEST DATE: APRIL 1, 2008  
 TEST LABORATORY: GENERAL TESTING LABORATORIES  
 OBSERVERS: GRANT FARRAND, JIMMY LATANE  
 TEST NO: 5982

DESIGNATED SEATING POSITION: ROW 2 RIGHT SIDE (DSP C)

Seat Back Angle: 24° FIXED

Location of seat back angle measurement: 2D Template

Head Restraint Position: N/A

Force at lower front crossmember for SFAD2 while tightening rearward extensions: 135 N

Angle (measured above the horizontal at 500 N): 10°

Force application rate: 423 N/S

Time to reach maximum force (24-30 s): 26 sec.

Maximum force (10,950 N ± 50 N): 10,947 N

Displacement, H1 (at 500 N): 0.0

Displacement, H2 (at maximum load): 55 mm

Displacement of Point X: 55 mm (H2-H1)  
 Displacement > 175 mm = FAIL (S9.4.1(a))

Tested simultaneously with another DSP? NO

Distance between adjacent DSP's: 368 mm

COMMENTS:

RECORDED BY: G. FARRAND

DATE: 04/01/08

APPROVED BY: D. MESSICK

DATA SHEET 9  
OWNER'S MANUAL

VEH. MOD YR/MAKE/MODEL/BODY: 2007 SUZUKI AERIO PASSENGER CAR  
 VEH. NHTSA NO: C70503; VIN: JS2RA62S675353819  
 VEH. BUILD DATE: 12/06; TEST DATE: NOVEMBER 5, 2007  
 TEST LABORATORY: GENERAL TESTING LABORATORIES  
 OBSERVERS: GRANT FARRAND, JIMMY LATANE

Description of which DSP's are equipped with tether anchorages and child restraint anchorage systems: YES

PASS X FAIL \_\_\_\_\_

Step-by-step instructions for properly attaching a child restraint system's tether strap to the tether anchorage. Diagrams are required. YES

PASS X FAIL \_\_\_\_\_

Description of how to properly use the tether anchorage and lower anchor bars: YES

PASS X FAIL \_\_\_\_\_

If the lower anchor bars are marked with a circle, an explanation of what the circle indicates as well as any words or pictograms: YES

PASS X FAIL \_\_\_\_\_

COMMENTS:

RECORDED BY: G. Farrand

DATE: 11/05/07

APPROVED BY: D. Messick

SECTION 4  
INSTRUMENTATION AND EQUIPMENT LIST

TABLE 1 - INSTRUMENTATION & EQUIPMENT LIST

EQUIPMENT	DESCRIPTION	MODEL/ SERIAL NO.	CAL. DATE	NEXT CAL. DATE
COMPUTER	AT&T	486DX266	BEFORE USE	BEFORE USE
LOAD CELL	INTERFACE	496	03/07	03/08
LINEAR TRANSDUCER	SERVO SYSTEMS	20	BEFORE USE	BEFORE USE
SEAT BELT LOAD CELL	TRANSDUCER	135	BEFORE USE	BEFORE USE
SEAT BELT LOAD CELL	TRANSDUCER	137	BEFORE USE	BEFORE USE
LEVEL	STANLEY	42-449	BEFORE USE	BEFORE USE
FORCE GAUGE	CHATILLON	8761	BEFORE USE	BEFORE USE
CALIPER	N/A	Q9322365	BEFORE USE	BEFORE USE
CRF	MEASUREMENT FIXTURE	GTL CRF	BEFORE USE	BEFORE USE
SFAD 1	FORCE APPLICATION DEVICE	GTL SFAD 1	BEFORE USE	BEFORE USE
SFAD 2	FORCE APPLICATION DEVICE	GLT SFAD 2	BEFORE USE	BEFORE USE

SECTION 5  
PHOTOGRAPHS



2007 SUZUKI AERIO  
NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.1  
3/4 FRONTAL RIGHT SIDE VIEW OF VEHICLE



2007 SUZUKI AERIO  
NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.2  
¾ REARWARD LEFT SIDE VIEW OF VEHICLE



MFD BY SUZUKI MOTOR CORPORATION JAPAN

DATE	GVWR	GAWR FRT	GAWR RR
12 / 06	3726LB	1918LB	1940LB
	1690KG	870KG	880KG

THIS VEHICLE CONFORMS TO ALL APPLICABLE FEDERAL MOTOR VEHICLE SAFETY, BUMPER AND THEFT PREVENTION STANDARDS IN EFFECT ON THE DATE OF MANUFACTURE SHOWN ABOVE.

JS2RA62S675353819

PASS CAR  
2.3L 2WD US

2007 SUZUKI AERIO  
NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.3  
CLOSE-UP VIEW OF VEHICLE CERTIFICATION LABEL



## TIRE AND LOADING INFORMATION

SEATING CAPACITY, TOTAL 5, FRONT 2, REAR 3

The combined weight of occupants and cargo should never exceed 440kg or 968 lbs.

TIRE	ORIGINAL TIRE SIZE	COLD TIRE PRESSURE
FRONT	P185/65R14	210KPA, 30PSI
REAR	P185/65R14	210KPA, 30PSI
SPARE	T125/70D15	420KPA, 60PSI

**SEE OWNER'S  
MANUAL FOR  
ADDITIONAL  
INFORMATION**

79161-59J1



2007 SUZUKI AERIO  
NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.5  
VISIBILITY OF LOWER ANCHORS



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FMVSS NO. 225

FIGURE 5.6  
ROW 2, LEFT SIDE, OUTBOARD LOWER ANCHOR,  
PRE-TEST



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FIGURE 5.7  
ROW 2, LEFT SIDE, INBOARD LOWER ANCHOR,  
PRE-TEST



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FIGURE 5.8  
ROW 2, LEFT SIDE, TOP TETHER ANCHOR,  
PRE-TEST



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FMVSS NO. 225

FIGURE 5.9  
ROW 2, CENTER, TOP TETHER ANCHOR,  
PRE-TEST



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FIGURE 5.10  
ROW 2, RIGHT SIDE, INBOARD LOWER ANCHOR,  
PRE-TEST





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FIGURE 5.11  
ROW 2, RIGHT SIDE, OUTBOARD LOWER ANCHOR,  
PRE-TEST



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FIGURE 5.12  
ROW 2, RIGHT SIDE, TOP TETHER ANCHOR,  
PRE-TEST



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FMVSS NO. 225

FIGURE 5.13  
OVERALL VIEW OF ROW 2 SEATING POSITIONS,  
PRE-TEST



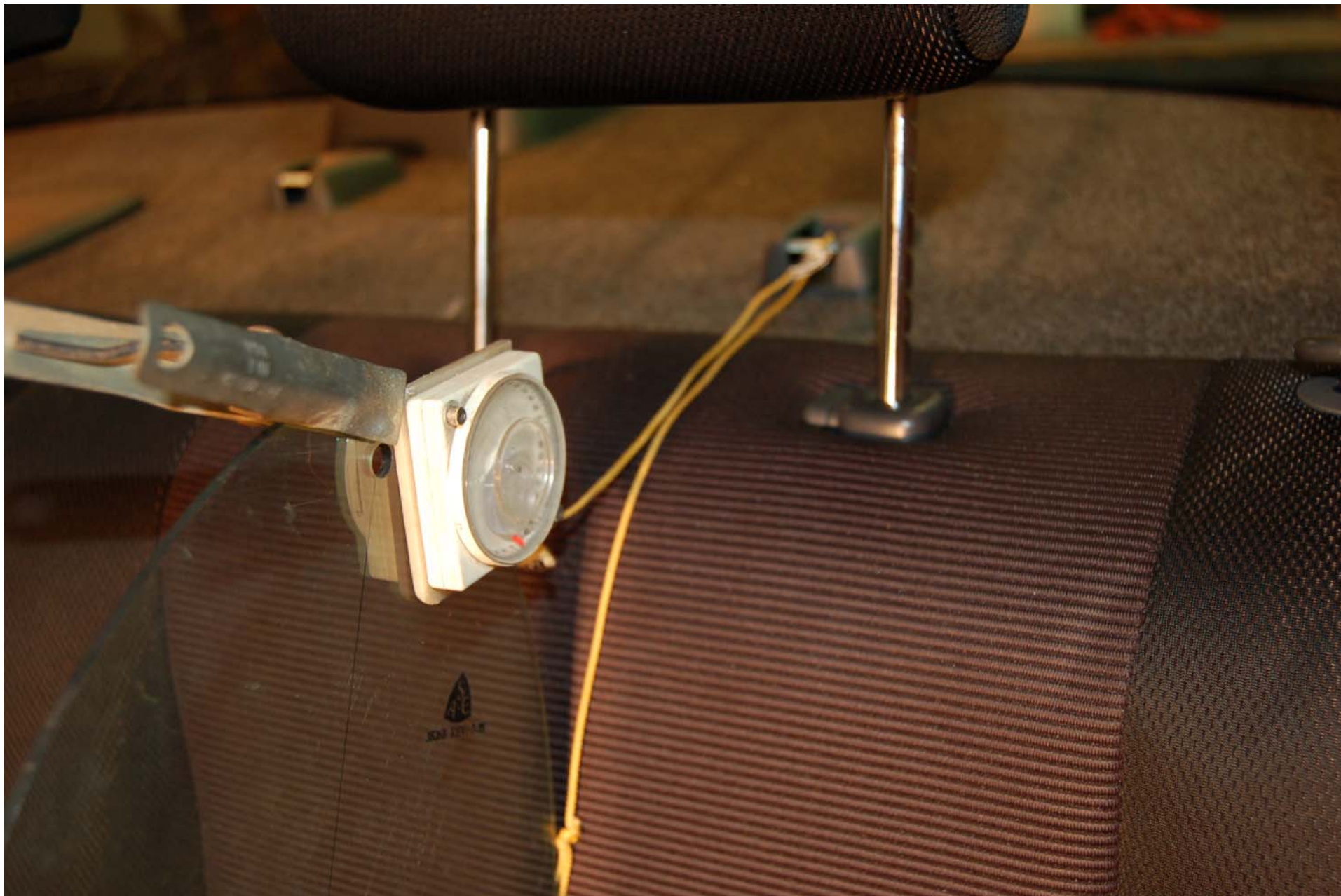
2007 SUZUKI AERIO  
NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.14  
ROW 2, LEFT SIDE WITH CRF



2007 SUZUKI AERIO  
NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.15  
ROW 2, LEFT SIDE WITH 2-D TEMPLATE



2007 SUZUKI AERIO  
NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.16  
ROW 2, LEFT SIDE TOP TETHER ROUTING



2007 SUZUKI AERIO  
NHTSA NO. C70503  
FMVSS NO. 225

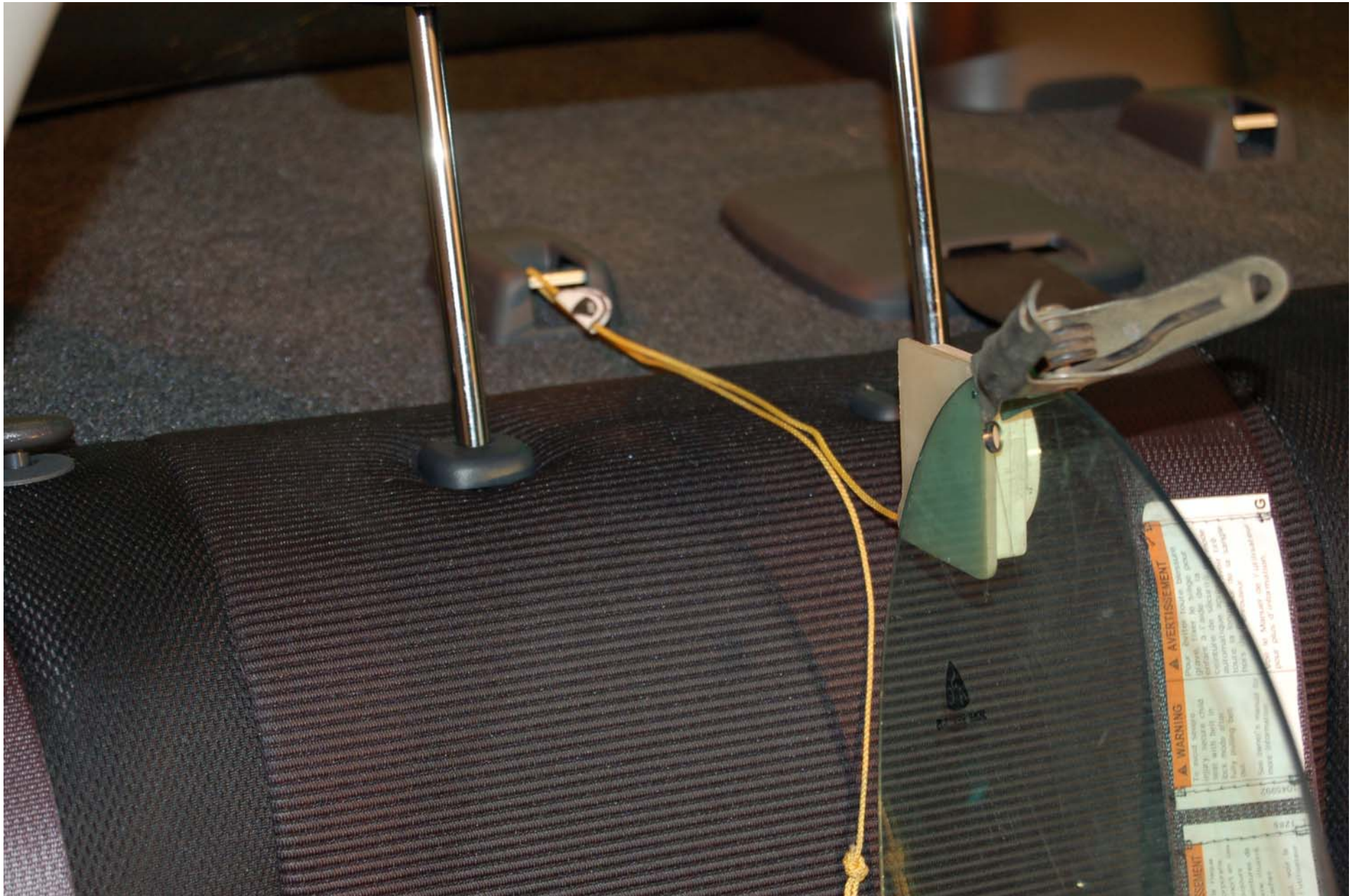
FIGURE 5.17  
ROW 2, RIGHT SIDE WITH CRF



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NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.18  
ROW 2, RIGHT SIDE WITH 2-D TEMPLATE





2007 SUZUKI AERIO  
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FMVSS NO. 225

FIGURE 5.19  
ROW 2, RIGHT SIDE TOP TETHER ROUTING



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NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.20  
ROW 2, CENTER WITH 2-D TEMPLATE



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FMVSS NO. 225

FIGURE 5.21  
ROW 2, CENTER TOP TETHER ROUTING



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FMVSS NO. 225

FIGURE 5.22  
ROW 2, RIGHT SIDE INBOARD CRF  
MEASUREMENT



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NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.23  
ROW 2, RIGHT SIDE OUTBOARD CRF  
MEASUREMENT



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NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.24  
ROW 2, LEFT SIDE, INBOARD CRF MEASUREMENT



2007 SUZUKI AERIO  
NHTSA NO. C70503  
FMVSS NO. 225

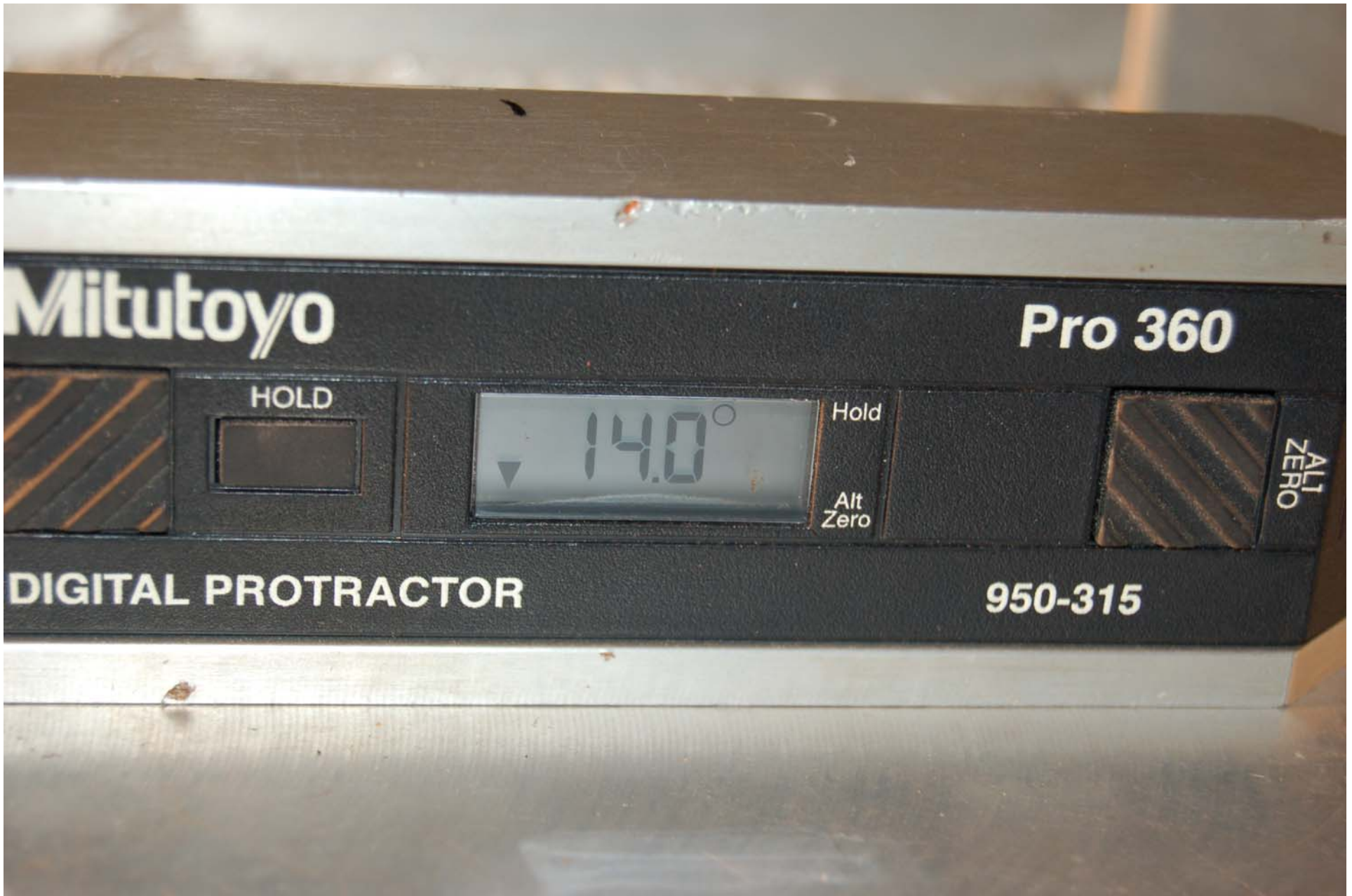
FIGURE 5.25  
ROW 2, LEFT SIDE, OUTBOARD CRF  
MEASUREMENT



2007 SUZUKI AERIO  
NHTSA NO. C70503  
FMVSS NO. 225

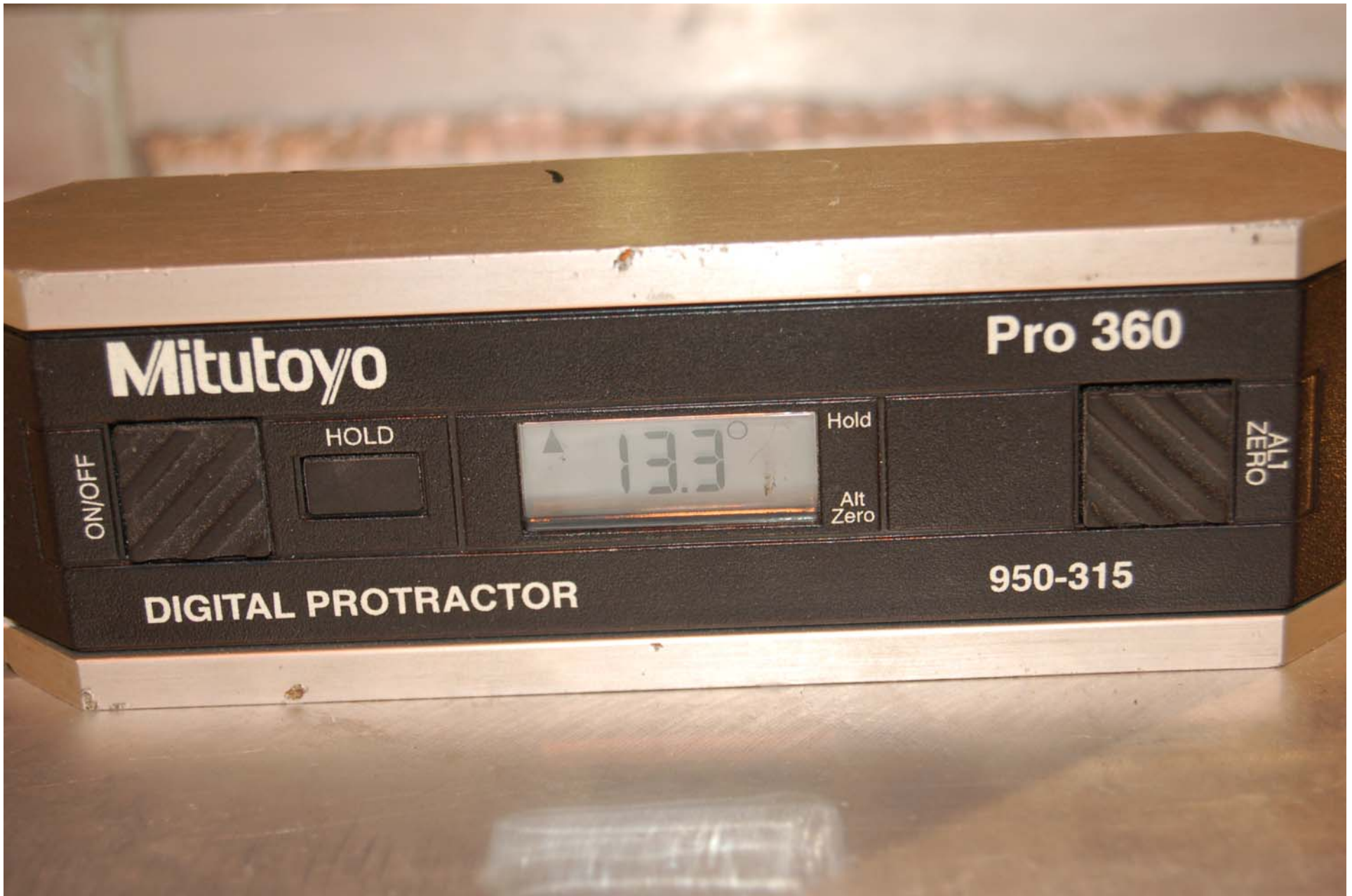
FIGURE 5.26  
SYMBOL MEASUREMENT





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FMVSS NO. 225

FIGURE 5.27  
ROW 2, LEFT SIDE CRF PITCH MEASUREMENT



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FMVSS NO. 225

FIGURE 5.28  
ROW 2, RIGHT SIDE CRF PITCH MEASUREMENT



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FMVSS NO. 225

FIGURE 5.29  
ROW 2, LEFT SIDE OUTBOARD SRP  
MEASUREMENT



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FMVSS NO. 225

FIGURE 5.30  
ROW 2, LEFT SIDE INBOARD SRP MEASUREMENT



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FMVSS NO. 225

FIGURE 5.31  
ROW 2, RIGHT SIDE OUTBOARD SRP  
MEASUREMENT



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FMVSS NO. 225

FIGURE 5.32  
ROW 2, RIGHT SIDE INBOARD SRP  
MEASUREMENT



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FMVSS NO. 225

FIGURE 5.33  
¾ LEFT FRONT VIEW OF VEHICLE IN TEST RIG



2007 SUZUKI AERIO  
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FMVSS NO. 225

FIGURE 5.34  
¾ RIGHT FRONT VIEW OF VEHICLE IN TEST RIG





2007 SUZUKI AERIO  
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FMVSS NO. 225

FIGURE 5.35  
PRE-TEST ROW 2, LEFT SIDE WITH SFAD 2



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FMVSS NO. 225

FIGURE 5.36  
POST TEST ROW 2, LEFT SIDE WITH SFAD 2



2007 SUZUKI AERIO  
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FMVSS NO. 225

FIGURE 5.37  
PRE-TEST ROW 2, RIGHT SIDE WITH SFAD 2



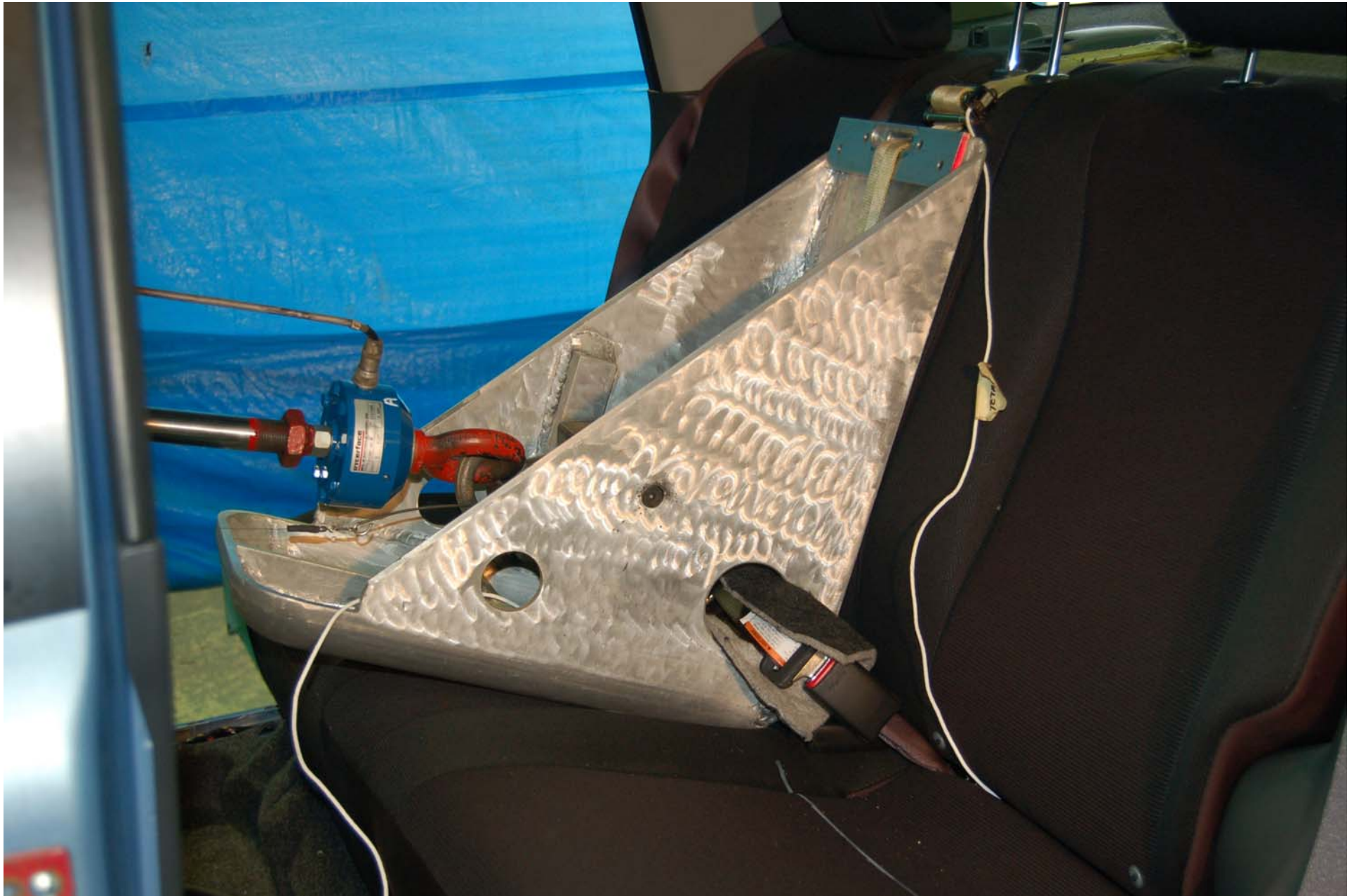
2007 SUZUKI AERIO  
NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.38  
POST TEST ROW 2, RIGHT SIDE WITH SFAD 2



2007 SUZUKI AERIO  
NHTSA NO. C70503  
FMVSS NO. 225

FIGURE 5.39  
PRE-TEST ROW 2, CENTER POSITION WITH SFAD 1

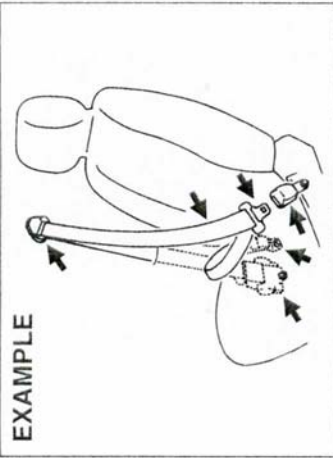


2007 SUZUKI AERIO  
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FIGURE 5.40  
POST TEST ROW 2, CENTER POSITION WITH  
SFAD 1

APPENDIX A  
OWNER'S MANUAL RESTRAINT INFORMATION

Seat Belt Inspection



65D209S

Periodically inspect the seat belts to make sure they work properly and are not damaged. Check the webbing, buckles, latch plates, retractors, anchorages and guide loops. Replace any seat belts which do not work properly or are damaged.

**▲ WARNING**

Be sure to inspect all seat belt assemblies after any collision. Any seat belt assembly which was in use during a collision (other than a very minor one) should be replaced, even if damage to the assembly is not obvious. Any seat belt assembly which was not in use during a collision should be replaced if it does not function properly, it is damaged in any way or the seat belt pretensioners were activated.

Child Restraint Systems



60G33Z

Infant restraint - rear seat only

**EXAMPLE**



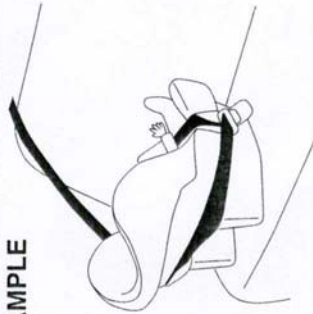
65D20Z



## BEFORE DRIVING

Infant restraint - rear seat only

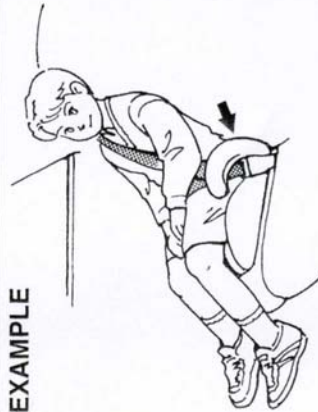
### EXAMPLE



65D584

Booster seat

### EXAMPLE



65D203

SUZUKI highly recommends that you use a child restraint system to restrain infants and small children. Many different types of child restraint systems are available; make sure that the restraint system you select meets Federal Motor Vehicle Safety Standards.

All child restraint systems are designed to be secured in vehicle seats by either seat belts (lap belts or the lap portion of lap-shoulder belts) or by special rigid lower anchor bars built into the seats. Whenever possible, SUZUKI recommends that child restraint systems be installed on the rear seat. According to accident statistics, children are safer when properly restrained in rear seating positions than in front seating positions.

If you must use a front-facing child restraint in the front passenger's seat, be sure to move the front passenger's seat as far back as possible.



65D607

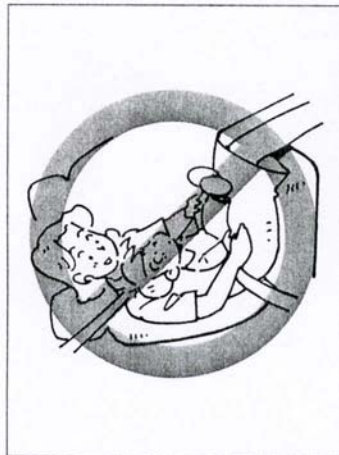
### ⚠ WARNING

Do not install a rear-facing child restraint in the front passenger's seat. If the passenger's air bag inflates, a child in a rear-facing child restraint could be killed or seriously injured. The back of a rear-facing child restraint would be too close to the inflating air bag.

**BEFORE DRIVING**

**Installation with Lap-Shoulder Seat Belts (child restraint with no top strap)**

**⚠ WARNING**  
Children could be endangered in a crash if their child restraints are not properly secured in the vehicle. When installing a child restraint system, be sure to follow the instructions below. Be sure to secure the child in the restraint system according to the manufacturer's instructions.



**EXAMPLE**

Install your child restraint system according to the instructions provided by the child restraint system manufacturer. If you install the child restraint system in the front seat, be sure to slide the seat to the rear-most position. After making sure that the seat belt is securely latched:

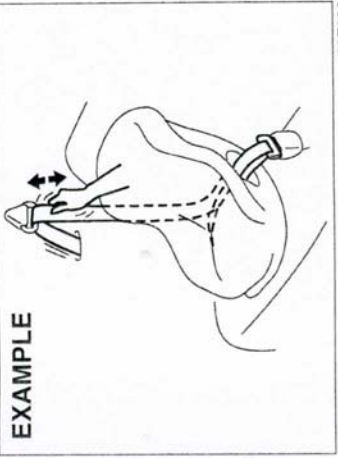
## BEFORE DRIVING



- 1) Pull all of the remaining webbing out of the retractor. You will hear a click, which means that the emergency locking retractor (ELR) has converted to function as an automatic locking retractor (ALR).



- 2) Allow the extra webbing to retract, and pull the webbing toward the retractor to take up any slack. Make sure that the lap portion of the belt is tight around the child restraint system and the shoulder portion of the belt is positioned so that it can not interfere with the child's head or neck.



- 3) Make sure that the retractor has converted to the ALR mode by trying to pull webbing out of the retractor. If the retractor is in the ALR mode, the belt will be locked.

### **▲ WARNING**

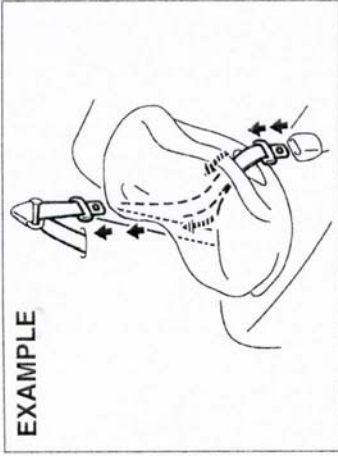
If the retractor is not in the ALR mode, the child restraint system can move or tip over when your vehicle turns or stops abruptly.

### **▲ WARNING**

Before installing a child restraint in the rear center seat, make sure the detachable connector is securely latched and the webbing is not twisted.

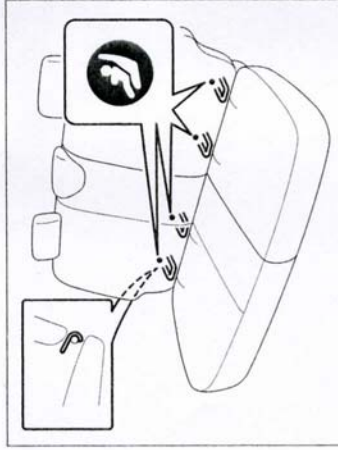
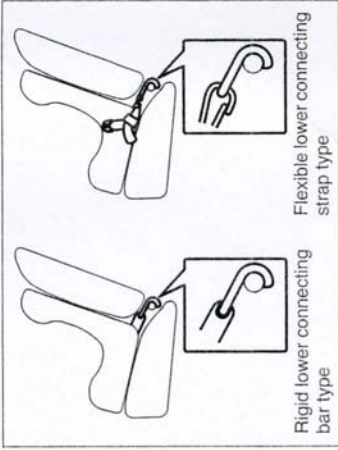
**BEFORE DRIVING**

**To revert from ALR to ELR**



When you unbuckle the seat belt and allow it to retract to a certain length, the retractor will automatically revert back to the normal ELR mode.

**Installation with the LATCH System**



Your vehicle is equipped with lower anchors for securing up to two standard LATCH-type child restraints in the second row seats. (LATCH stands for Lower



4) Try moving the child restraint system in all directions, to make sure it is securely installed. If you need to tighten the belt, pull more webbing toward the retractor.

## BEFORE DRIVING

Anchors and Tethers for Children.) The anchors are located where the rear of the seat cushion meets the bottom of the seatback. Their position is identified by a small round label affixed to the seatback as shown in the illustration.

Install a LATCH-type child restraint system according to the instructions provided by the child restraint system manufacturer. After installing the child restraint system, try moving it in all directions, especially forward, to make sure the flexible straps or rigid connecting bars are securely latched to the anchors.

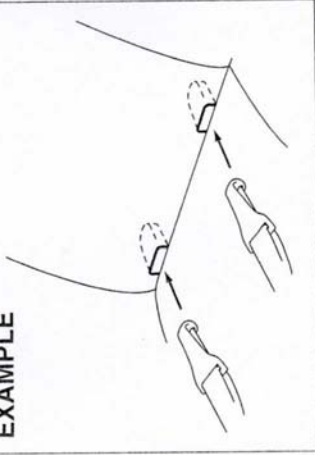
### NOTE:

*Although there are three second row seating positions, you cannot install three LATCH type child restraints in the second row seats. You can install one or two LATCH restraint(s). Be sure to install the LATCH type child restraint(s) in the outboard seating positions.*

if your LATCH restraint has flexible lower connecting straps, these general instructions apply:

- 1) If possible, fold the seatback rearward for easier installation.

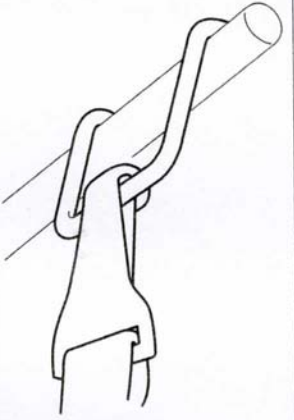
### EXAMPLE



65D0339

- 2) Place the child restraint in the second row seat, feeding the strap hooks through the slots in the seat cushion or the slots in the seatback bottom.

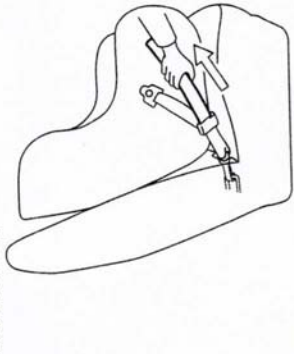
### EXAMPLE



65D0340

- 3) Snap the strap hooks to the anchors. Take care not to pinch your fingers.

### EXAMPLE



65D0341

- 4) Return the seatback to the normal, upright position. Tighten the lower straps as described in the child restraint

**BEFORE DRIVING**

owner's manual. Attach the top tether strap, if applicable.



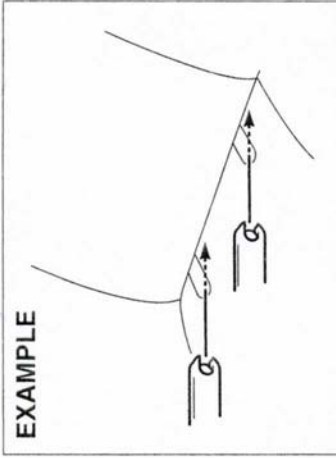
**EXAMPLE**

65D342

5) Make sure the child restraint is securely fastened by trying to move the child restraint system in all directions, especially forward.

If your LATCH restraint has rigid lower connecting bars, these general instructions apply:

1) If possible, fold the seatback rearward for easier installation.

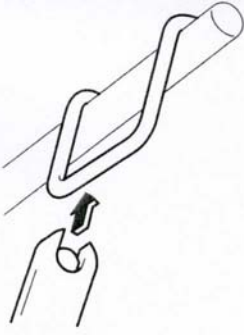


**EXAMPLE**

54G182

2) Place the child restraint in the second row seat, inserting the connecting bars through the slots in the seat cushion or the slots in the seatback bottom.

**EXAMPLE**



54G183

3) Use your hands to carefully align the connecting bar tips with the anchors. Take care not to pinch your fingers.

**EXAMPLE**



54G184

4) Push the child restraint toward the anchors so that the connecting bar tips

**⚠ WARNING**

The seatback should always be securely latched in a fairly upright position when any type of child seat is installed. An unlatched or reclined seatback will reduce the intended effectiveness of the child restraint system.

## BEFORE DRIVING

are partially hooked to the anchors. Use your hands to confirm the position.

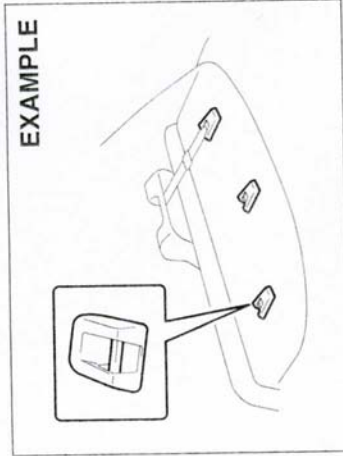


- 5) Grasp the front of the child restraint and push the child restraint forcefully to latch the connecting bars. Make sure they are securely latched by trying to move the child restraint system in all directions, especially forward.
- 6) Return the seatback if folded. Attach the top tether strap, if applicable.

### **⚠ WARNING**

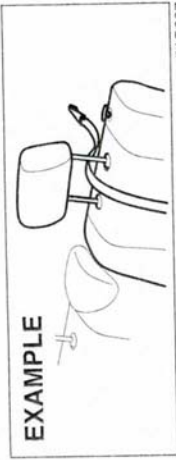
The seatback should always be securely latched in a fairly upright position when any type of child seat is installed. An unlatched or reclined seatback will reduce the intended effectiveness of the child restraint system.

## Installation-Child Restraint with Top Strap



Some child restraint systems require the use of a top strap. Top strap anchor brackets are provided in your vehicle at the locations shown in the illustrations. Install the child restraint system as follows:

- 1) Secure the child restraint on the rear seat using the procedure described above for securing a restraint system that does not require a top strap.
- 2) Hook the top strap to the anchor bracket and tighten the top strap according to the instructions provided by the child restraint system manufacturer. Be sure to attach the top strap to the corresponding anchor located directly behind the child restraint.



- 3) When routing the top strap, be sure to pass it between the head restraint and the rear seatback as shown. (Refer to "Head Restraints" section for details on how to raise or lower the head restraint.)
- 4) Make sure that cargo does not interfere with routing of the top strap.

APPENDIX B  
MANUFACTURER'S DATA

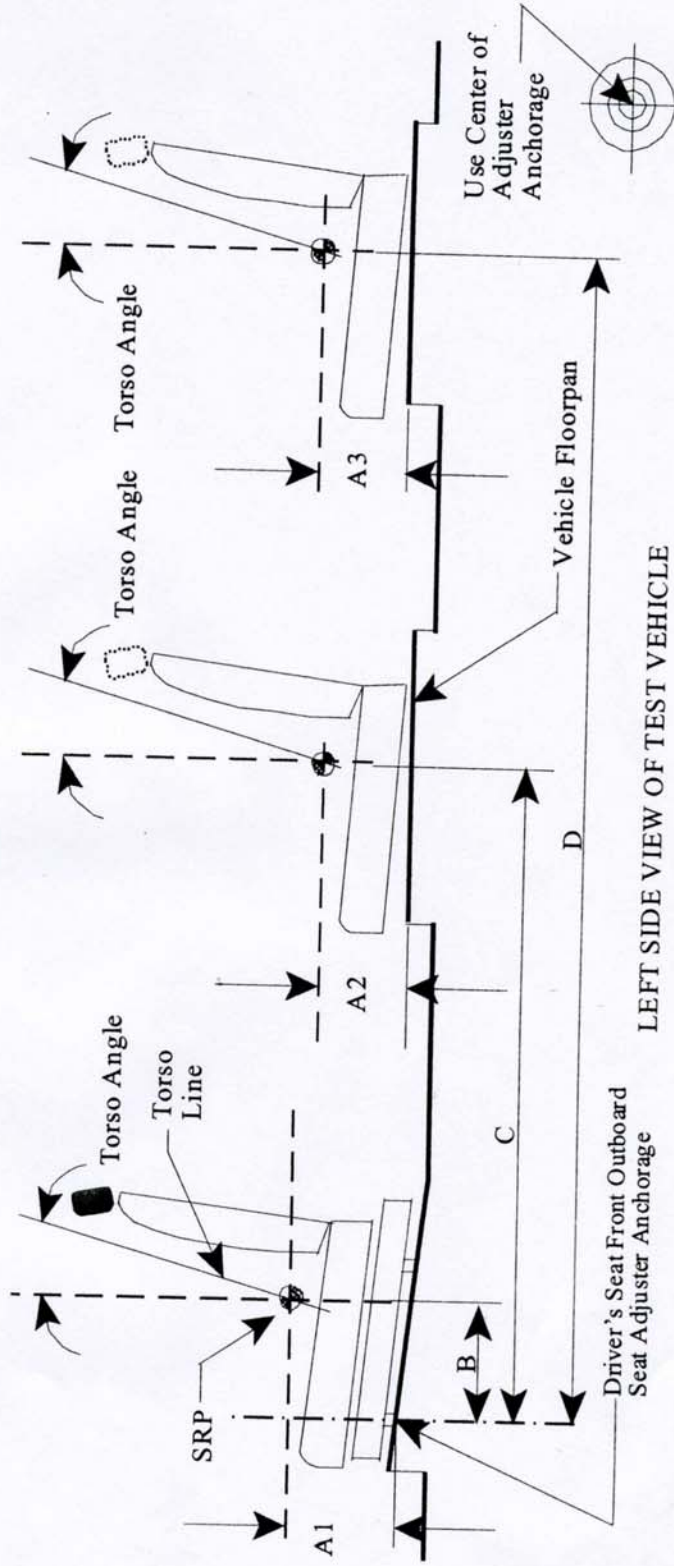


# SEAT REFERENCE POINT (SRP) AND TORSO ANGLE DATA

FMVSS No. 225  
(All dimensions in mm<sup>1</sup>)

MODEL YEAR: 07MY / MAKE: SUZUKI / MODEL: Aerio / BODY STYLE: 4-Dr Sedan

SEAT STYLE: FRONT ROW: SEPARATE / SECOND ROW: SPLIT BENCH / THIRD ROW: N/A



LEFT SIDE VIEW OF TEST VEHICLE

Table 1. Seating Positions<sup>1</sup> and Torso Angles

	Left (Driver Side)	Center (if any)	Right
A1	(Driver) 259.4	N/A	(Front Passenger) 259.4
A2	162.4	157.5	162.4
A3	N/A	N/A	N/A
B	360.3	N/A	360.3
C	1150.3	1130.3	1150.3
D	N/A	N/A	N/A
Torso Angle (degree)	23°	N/A	23°
	24°	18°	24°
	N/A	N/A	N/A
Front Row			
Second Row			
Third Row			

Note: All dimensions are in mm. If not, provide the unit used.

# SEATING REFERENCE POINT

FMVSS No. 225

(All dimensions in mm)

MODEL YEAR: 07MY / MAKE: SUZUKI / MODEL: Aerio / BODY STYLE: 4-Dr Sedan

SEAT STYLE: FRONT ROW: SEPARATE / SECOND ROW: SPLIT BENCH / THIRD ROW: N/A

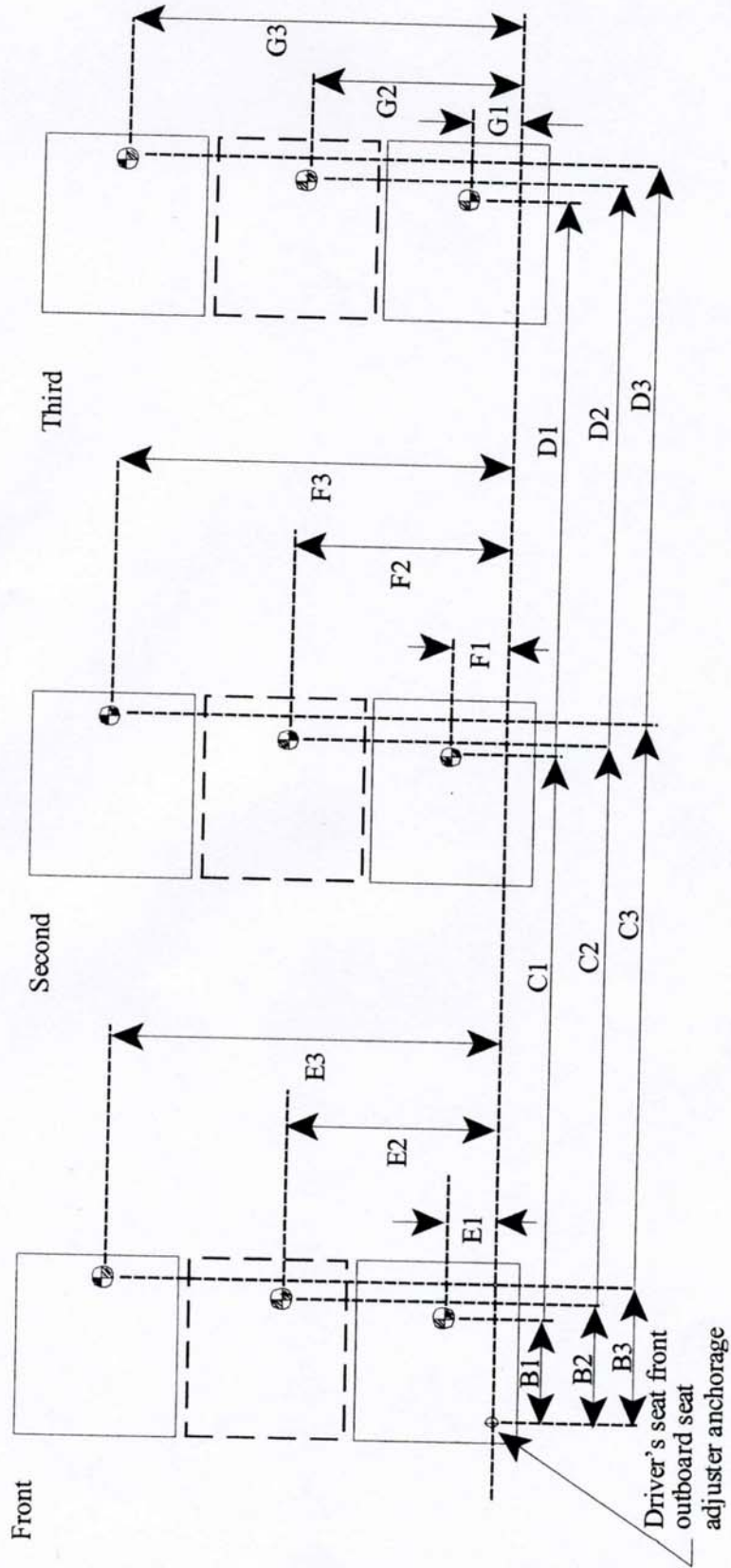


Table 2. Seating Reference Point and Tether Anchorage Locations

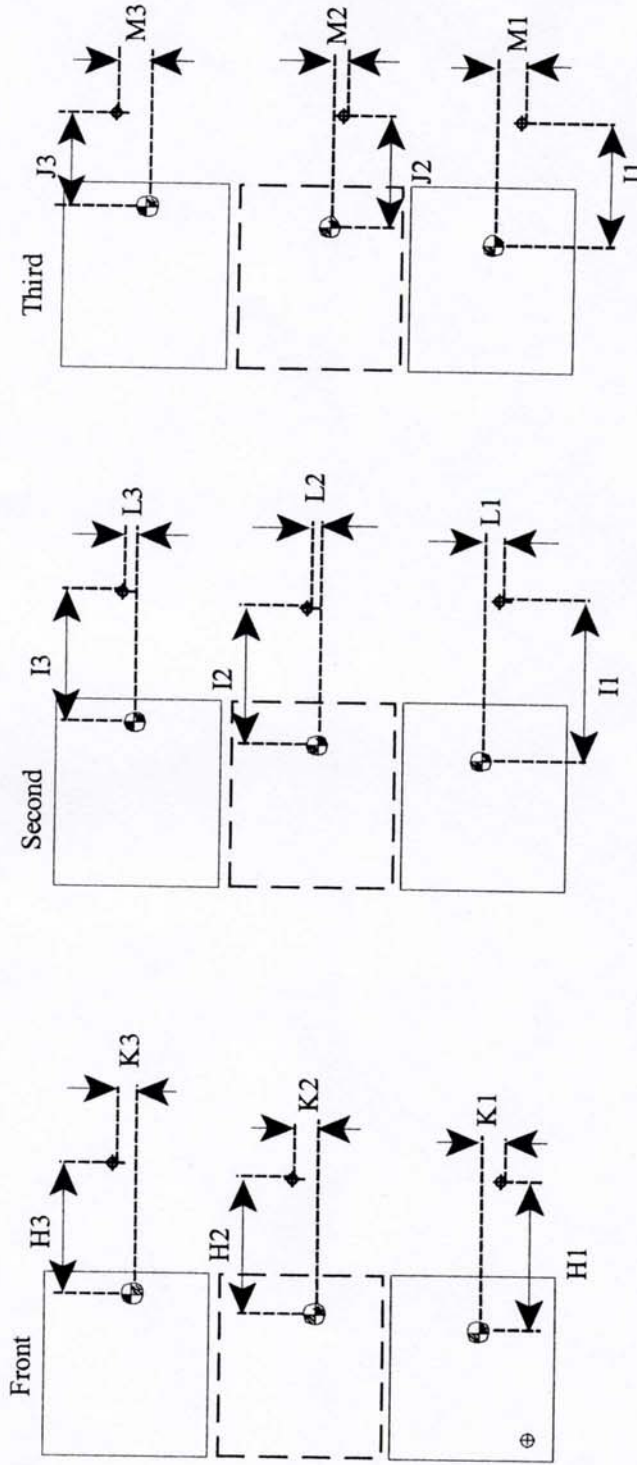
Seating Reference Point (SRP)		Distance from Driver's front outboard seat adjuster anchorage <sup>1</sup>
Front Row	B1	360.3
	E1	251.5
	B2	N/A
	E2	N/A
	B3	360.3
	E3	921.5
Second Row	C1	1150.3
	F1	246.5
	C2	770.0
	F2	586.5
	C3	1150.3
	F3	926.5
Third Row	D1	N/A
	G1	N/A
	D2	N/A
	G2	N/A
	D3	N/A
	G3	N/A

Note: Use the center of anchorage.

# TETHER ANCHORAGE LOCATIONS

FMVSS No. 225  
(All dimensions in mm)

MODEL YEAR: 07MY / MAKE: SUZUKI / MODEL: Aerio / BODY STYLE: 4-Dr Sedan  
SEAT STYLE: FRONT ROW: SEPARATE / SECOND ROW: SPLIT BENCH / THIRD ROW: N/A



- ⊕: SRP
- ⦿: Tether anchorage

Note: The location shall be measured at the center of anchorage.

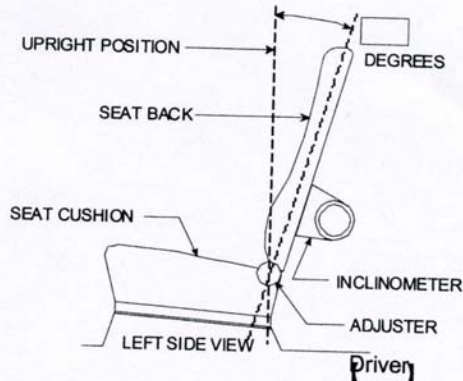
Table 3. Seating Reference Point and Tether Anchorage Locations

Seating Reference Point (SRP)	Distance from SRP	
Front Row	H1	N/A
	K1	N/A
	H2	N/A
	K2	N/A
	H3	N/A
	K3	N/A
Second Row	I1	545.9
	L1	0
	I2	661.9
	L2	0
	I3	545.9
	L3	0
Third Row	J1	N/A
	M1	N/A
	J2	N/A
	M2	N/A
	J3	N/A
	M3	N/A

Note: Use the center of anchorage.

**NOMINAL DESIGN RIDING POSITION**

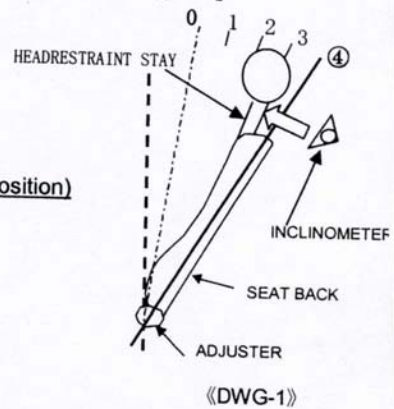
For adjustable driver, passenger, 2<sup>nd</sup> row and 3<sup>rd</sup> row seat backs, describe how to position the inclinometer to measure the seat back angle. Include a description of the location of the seat back adjustment latch detent if applicable. Indicate if applicable, how the detents are numbered (Is the first detent "0" or "1"?). Indicate if the seat back angle is measured with the dummy in the seat.



Seat back angle for driver's seat = 16 degrees.  
(In case of measuring the head restraint stay angle.)

Measurement Instructions: See «DWG-1»

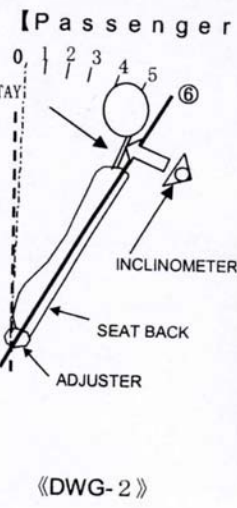
- Set the inclinometer on the headrest stay.
- Set the seat back adjuster to the 4<sup>th</sup> detent. (First detent (First lock) is "0")
- As a result seat back angle for driver's seat is 16degrees. (Nominal design position)



Seat back angle for passenger's seat = 16 degrees.  
(In case of measuring the head restraint stay angle.)

Measurement Instructions: See «DWG-2»

- Set the inclinometer on the headrest stay.
- Set the seat back adjuster to the 6<sup>th</sup> detent. (First detent (First lock) is "0")
- As a result seat back angle for passenger's seat is 16degrees. (Nominal design position)



Seat back angle for 2<sup>nd</sup> row seat = 13.9 degrees.  
(In case of measuring the side head restraint stay angle.)

Measurement Instructions:

- 2<sup>nd</sup> row seat has no recliner. (Seat back angle is only one position.)
- Set the inclinometer on the side headrest stay.
- As a result seat back angle for 2<sup>nd</sup> row seat is 13.9degrees. (Nominal design position)

Seat back angle for 3<sup>rd</sup> row seat = \_\_\_\_\_ degrees.

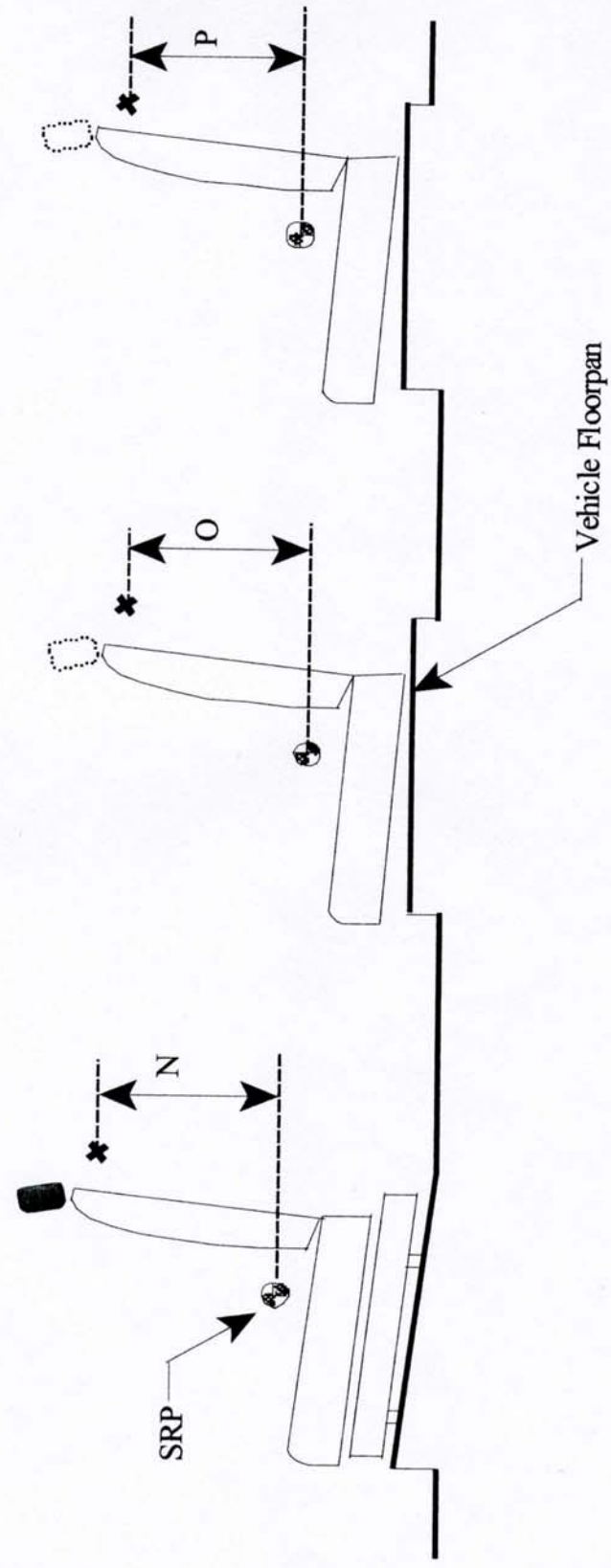
Measurement Instructions:

N/A

# TETHER ANCHORAGE LOCATIONS - VERTICAL

FMVSS No. 225  
(All dimensions in mm)

MODEL YEAR: 07MY / MAKE: SUZUKI / MODEL: Aerio / BODY STYLE: 4-Dr Sedan  
SEAT STYLE: FRONT ROW: SEPARATE / SECOND ROW: SPLIT BENCH / THIRD ROW: N/A



LEFT SIDE VIEW OF TEST VEHICLE



Table 4. Vertical Dimension For The Tether Anchorage

Seating Row	Vertical Distance from Seating Reference Point	
Front Row	N1 (Driver)	N/A
	N2 (Center)	N/A
	N3 (Right)	N/A
Second Row	O1 (Left)	489
	O2 (Center)	470.7
	O3 (Right)	489
Third Row	P1 (Left)	N/A
	P2 (Center)	N/A
	P3 (Right)	N/A

Note: All dimensions are in mm. If not, provide the unit anchorage.

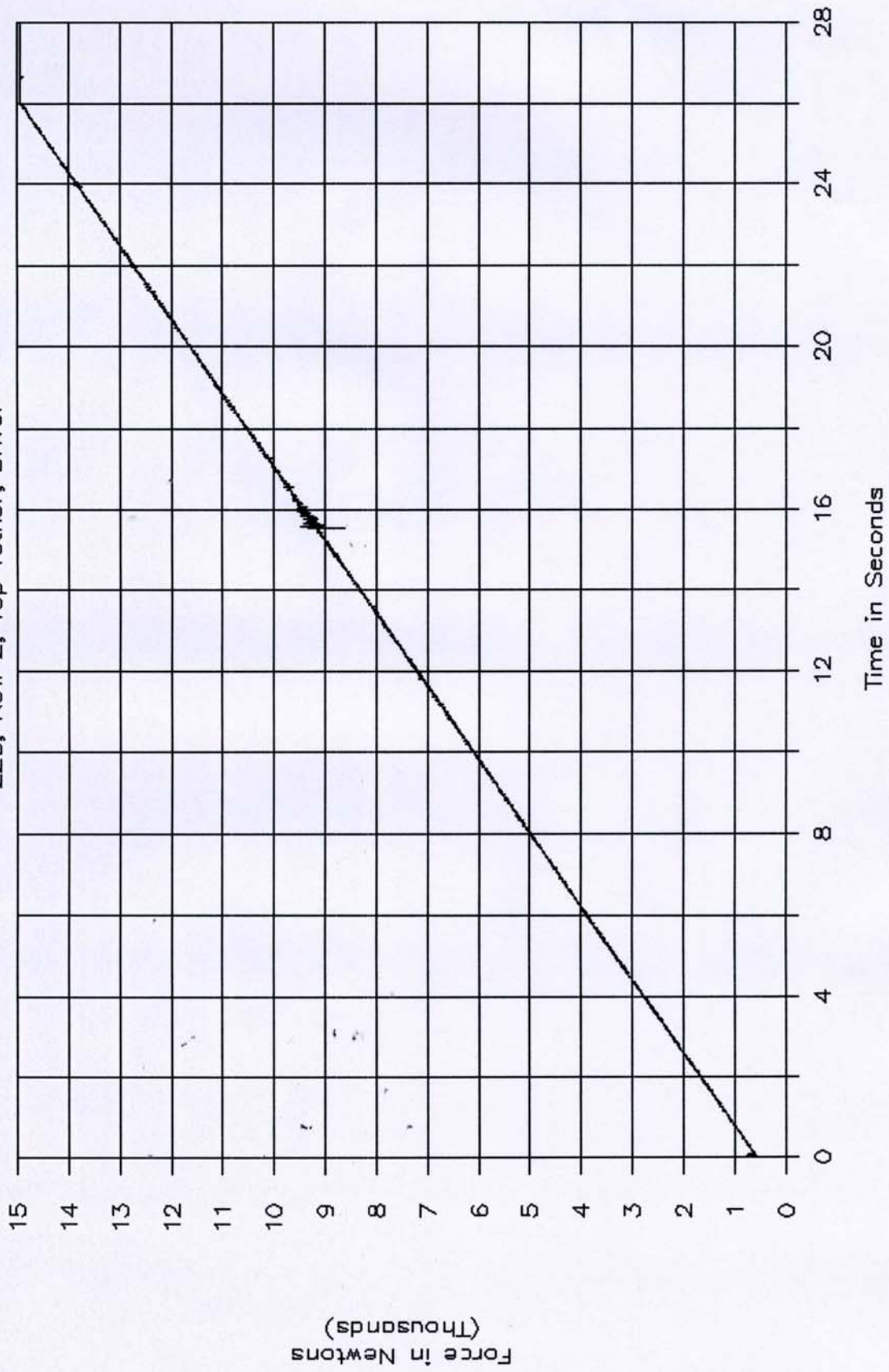
For each vehicle, provide the following information:

1. How many designated seating positions exist in the vehicle? 5 positions
2. How many designated seating positions are equipped with lower anchorages and tether anchorages? Specify which position(s). 2 positions. (2<sup>nd</sup> row right seat / 2<sup>nd</sup> row left seat)
3. How many designated seating positions are equipped with tether anchorages? Specify which positions(s). 1 position. (2<sup>nd</sup> row center seat)
4. Lower Anchorages Marking and Conspicuity: Whether the anchorages are certified to S9.5(a) or S9.5(b) of FMVSS No. 225. S9.5(a)

APPENDIX C  
PLOTS

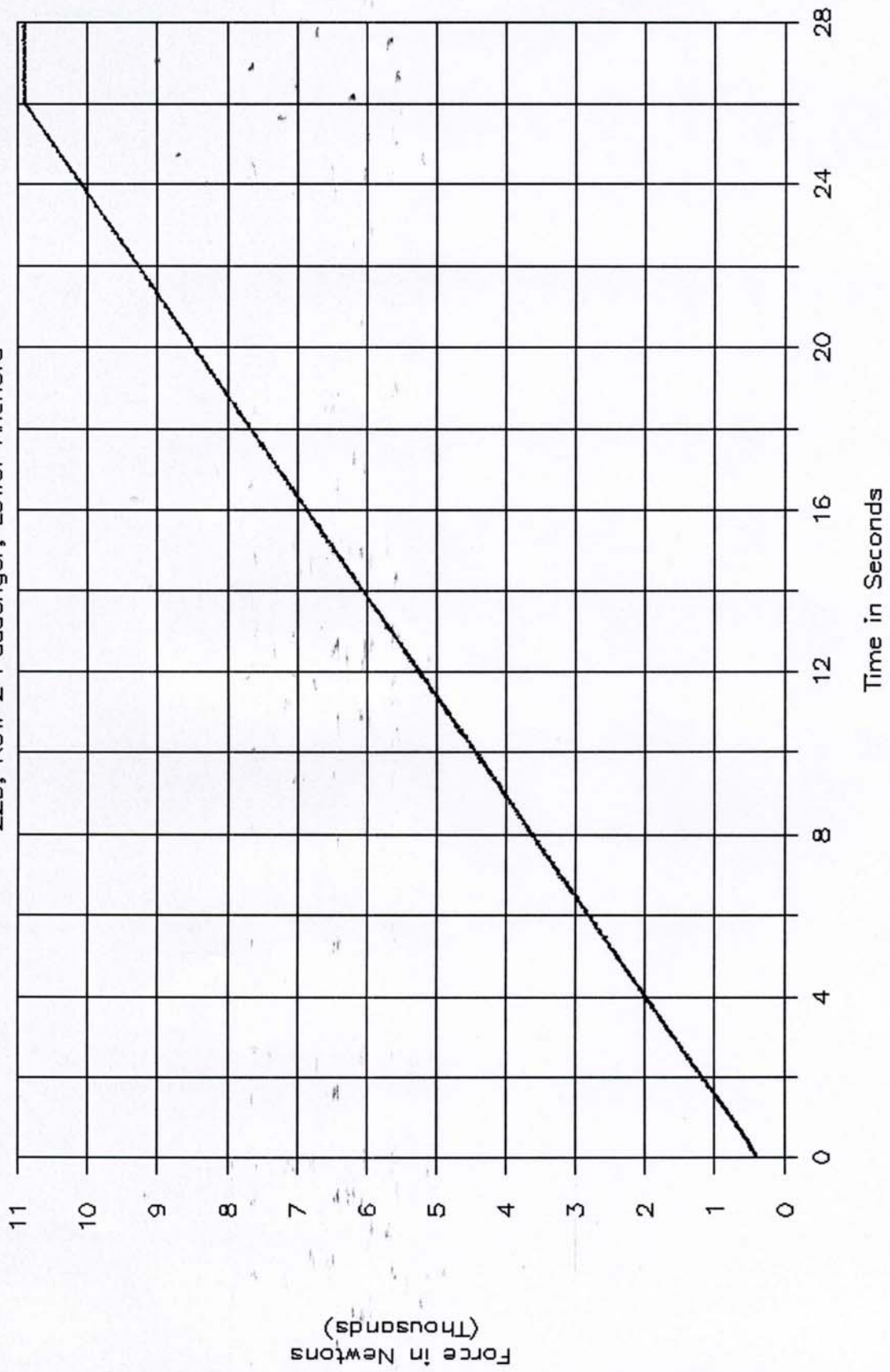
GTL 5981, NHTSA C70503

225, Row 2, Top Tether, Driver



# GTL 5982, NHTSA C70503

225, Row 2 Passenger, Lower Anchors



GTL 5983, NHTSA C70503

225, Row 2 Center, Top Tether

