This publication is distributed by the U.S. Department of Transportation, National Highway Traffic Safety Administration, in the interest of information exchange. The opinions, findings and conclusions expressed in this publication are those of the author(s) and not necessarily those of the Department of Transportation or the National Highway Traffic Safety Administration. The United States Government assumes no liability for its contents or use thereof. If trade or manufacturers' names or products are mentioned, it is only because they are considered essential to the object of the publication and should not be construed as an endorsement. The United States Government does not endorse products or manufacturers.
Compliance tests were conducted on the subject, 2006 Ford Mustang Passenger Car in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-225-01 for the determination of FMVSS 225 compliance. Test failures identified were as follows: NONE
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6.2 2nd Row Left Side Top Tether, GTL 5650
6.3 2nd Row Right Side Lower Anchor, GTL 5651
6.4 2nd Row Right Side Lower Anchor, GTL 5651

Appendix A – Owner’s Manual Child Restraint Information
Appendix B – Manufacturer’s Data not included (Manufacturer requested confidentiality)
1.0 Purpose of Compliance Test

A 2006 Ford Mustang 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 2006 Ford Mustang Passenger Car. Nomenclature applicable to the test vehicle are:

A. **Vehicle Identification Number:** 1ZVFT80N265107331

B. **NHTSA No.:** C60203

C. **Manufacturer:** FORD MOTOR CO.

D. **Manufacture Date:** 08/05

1.2 Test Date

The test vehicle was subjected to FMVSS No. 225 testing during the time period July 24 through September 28, 2006.
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 2006 Ford Mustang Passenger Car appeared 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 2006 Ford Mustang Passenger Car.
DATA SHEET 1
SUMMARY OF RESULTS

VEH. MOD YR/MAKE/MODEL/BODY: 2006 FORD MUSTANG PASSENGER CAR
VEH. NHTSA NO: C60203; VIN: 1ZVFT80N265107331
VEH. BUILD DATE: 08/05; TEST DATE: JULY 24 – SEPTEMBER 28, 2006
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

<table>
<thead>
<tr>
<th></th>
<th>PASS</th>
<th>FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSP a</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>DSP b</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>DSP c</td>
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<td>N/A</td>
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C. LOCATION OF TETHER ANCHORAGES

<table>
<thead>
<tr>
<th></th>
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<tr>
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<tr>
<td>DSP b</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>DSP c</td>
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<td>N/A</td>
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D. LOWER ANCHORAGE DIMENSIONS

<table>
<thead>
<tr>
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<tbody>
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<td></td>
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<tr>
<td>DSP b</td>
<td>X</td>
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<tr>
<td>DSP c</td>
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### Summary of Results

#### E. Conspicuity and Marking of Lower Anchorages

<table>
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<tr>
<td>DSP b</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>DSP c</td>
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#### F. Strength of Tether Anchorages

<table>
<thead>
<tr>
<th>Anchorages</th>
<th>PASS</th>
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<tbody>
<tr>
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<td></td>
</tr>
<tr>
<td>DSP b</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>DSP c</td>
<td>N/A</td>
<td>N/A</td>
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</tbody>
</table>

#### G. Strength of Lower Anchorages (Forward Force)

<table>
<thead>
<tr>
<th>Anchorages</th>
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<th>FAIL</th>
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</thead>
<tbody>
<tr>
<td>DSP a</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>DSP b</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>DSP c</td>
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<td>N/A</td>
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#### H. Strength of Lower Anchorages (Lateral Force)

<table>
<thead>
<tr>
<th>Anchorages</th>
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</thead>
<tbody>
<tr>
<td>DSP a</td>
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<td>N/A</td>
</tr>
<tr>
<td>DSP b</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>DSP c</td>
<td>N/A</td>
<td>N/A</td>
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#### I. Owner’s Manual

<table>
<thead>
<tr>
<th></th>
<th>PASS</th>
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<tbody>
<tr>
<td></td>
<td>X</td>
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</table>

**Remarks:** DSP a = Left Rear Outboard, DSP b = Right Rear Outboard

**Recorded By:** G. Farrand  
**Date:** 09/28/06

**Approved By:** D. Messick
DATA SHEET 2
REQUIREMENTS FOR CHILD RESTRAINT ANCHORAGE SYSTEMS
AND TETHER ANCHORAGES

VEH. MOD YR/MAKE/MODEL/BODY: 2006 FORD MUSTANG PASSENGER CAR
VEH. NHTSA NO: C60203; VIN: 1ZVFT80N265107331
VEH. BUILD DATE: 08/05; TEST DATE: JULY 24, 2006
TEST LABORATORY: GENERAL TESTING LABORATORIES
OBSERVERS: GRANT FARRAND, JIMMY LATANE

Number of rows of seats: 2
Number of rear, forward-facing designated seating positions: 2
Number of required CRAS (lower anchorages only, for convertibles/school buses): 2
Number of required tether anchorages (can be additional CRAS): 2
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? YES
    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 an air bag on-off switch or 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 convertibles/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))
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):  2

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?  N/A

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: 07/24/06

APPROVED BY: D. MESSICK
LOCATION OF TETHER ANCHORAGES

VEH. MOD YR/MAKE/MODEL/BODY: 2006 FORD MUSTANG PASSENGER CAR
VEH. NHTSA NO: C60203; VIN: 1ZVFT80N265107331
VEH. BUILD DATE: 08/05; TEST DATE: JULY 24, 2006
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 shelf behind seat back.

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? YES
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 ± 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. FARRAND DATE: 07/24/06

APPROVED BY: D. MESSICK
DATA SHEET 3A
LOCATION OF TETHER ANCHORAGES

VEH. MOD YR/MAKE/MODEL/BODY: 2006 FORD MUSTANG PASSENGER CAR
VEH. NHTSA NO: C60203; VIN: 1ZVFT80N265107331
VEH. BUILD DATE: 08/05; TEST DATE: JULY 10, 2006
TEST LABORATORY: GENERAL TESTING LABORATORIES
OBSERVERS: GRANT FARRAND, JIMMY LATANE

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

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

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? [YES]
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 RIGHT SIDE (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 ± 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. FARRAND  
DATE: 07/24/06

APPROVED BY: D. MESSICK
DATA SHEET 4
LOWER ANCHORAGE DIMENSIONS

VEH. MOD YR/MAKE/MODEL/BODY: 2006 FORD MUSTANG PASSENGER CAR
VEH. NHTSA NO: C60203; VIN: 1ZVFT80N265107331
VEH. BUILD DATE: 08/05; TEST DATE: JULY 24, 2006
TEST LABORATORY: GENERAL TESTING LABORATORIES
OBSERVERS: GRANT FARRAND, JIMMY LATANE

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

Outboard Lower Anchorage bar diameter: 5.99 mm
6mm ± 0.1 mm = PASS Other size = FAIL (S9.1.1(a))

Inboard Lower Anchorage bar diameter: 5.99 mm
6mm ± 0.1 mm = 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): 25 mm
Length ≥25mm = PASS Length <25mm = FAIL(S9.1.1(c) (i))

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

Length between the anchor bar supports (outboard lower anchorage): 32 mm
Length ≤60mm = PASS Length >60mm = FAIL(S9.1.1(c) (ii))

Length between the anchor bar supports (inboard lower anchorage): 32 mm
Length ≤60mm = PASS Length >60mm = FAIL(S9.1.1(c) (ii))

CRF Pitch angle: 16.1º
Angle = 15º±10º = PASS Angle≠15º±10º = FAIL (S9.2.1)

CRF Roll angle: 0.0º
Angle = 0º±5º = PASS Angle≠0º±5º = FAIL (S9.2.1)

CRF Yaw angle: 0.0º
Angle = 0º±10º = PASS Angle≠0º±10º = FAIL (S9.2.1)

Distance between point Z on the CRF and the front surface of outboard anchor bar: 36 mm
Distance ≤70mm = PASS Distance > 70mm = FAIL

Distance between point Z on the CRF and the front surface of inboard anchor bar: 36 mm
Distance ≤70mm = PASS Distance > 70mm = 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: _____155 mm
- Distance ≥ 120mm = PASS
- Distance < 120mm = FAIL

Distance between SgRP and the front surface of inboard anchor bar: _____155 mm
- Distance ≥ 120mm = PASS
- Distance < 120mm = FAIL

Based 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: Lower anchor bars are extremely difficult to access due to the small access hole in the seat cushion.

RECORDED BY: __G. FARRAND__________ DATE: ____07/24/06_____
APPROVED BY: __D. MESSICK__________
DATA SHEET 4A
LOWER ANCHORAGE DIMENSIONS

VEH. MOD YR/MAKE/MODEL/BODY: 2006 FORD MUSTANG PASSENGER CAR
VEH. NHTSA NO: C60203; VIN: 1ZVFT80N265107331
VEH. BUILD DATE: 08/05; TEST DATE: JULY 24, 2006
TEST LABORATORY: GENERAL TESTING LABORATORIES
OBSERVERS: GRANT FARRAND, JIMMY LATANE

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

Outboard Lower Anchorage bar diameter: 5.99 mm
6mm ± 0.1 mm = PASS Other size = FAIL (S9.1.1(a))

Inboard Lower Anchorage bar diameter: 5.99 mm
6mm ± 0.1 mm = 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): 25 mm
Length ≥ 25mm = PASS Length <25mm = FAIL(S9.1.1(c) (i))

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

Length between the anchor bar supports (outboard lower anchorage): 32 mm
Length ≤ 60mm = PASS Length >60mm = FAIL(S9.1.1(c) (ii))

Length between the anchor bar supports (inboard lower anchorage): 32 mm
Length ≤ 60mm = PASS Length >60mm = FAIL(S9.1.1(c) (ii))

CRF Pitch angle: 16.2º
Angle = 15º±10º = PASS Angle ≠ 15º±10º = FAIL (S9.2.1)

CRF Roll angle: 0.0
Angle = 0º±5º = PASS Angle ≠ 0º±5º = FAIL (S9.2.1)

CRF Yaw angle: 0.0
Angle = 0º±10º = PASS Angle ≠ 0º±10º = FAIL (S9.2.1)

Distance between point Z on the CRF and the front surface of outboard anchor bar: 40 mm
Distance ≤ 70mm = PASS Distance > 70mm = FAIL

Distance between point Z on the CRF and the front surface of inboard anchor bar: 40 mm
Distance ≤ 70mm = PASS Distance > 70mm = FAIL
DESIGNATED SEATING POSITION: ROW 2 RIGHT SIDE (DSP B)

Distance between SgRP and the front surface of outboard anchor bar: 155 mm
Distance $\geq$ 120 mm = PASS  Distance < 120 mm = FAIL

Distance between SgRP and the front surface of inboard anchor bar: 155 mm
Distance $\geq$ 120 mm = PASS  Distance < 120 mm = FAIL

Based 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: Lower anchor bars are extremely difficult to access due to the small access hole in the seat cushion.

RECORDED BY: G. FARRAND          DATE: 07/24/06
APPROVED BY: D. MESSICK
DATA SHEET 5
CONSPICUITY AND MARKING OF LOWER ANCHORAGES

VEH. MOD YR/MAKE/MODEL/BODY: 2006 FORD MUSTANG PASSENGER CAR
VEH. NHTSA NO: C60203; VIN: 1ZVFT80N265107331
VEH. BUILD DATE: 08/05; TEST DATE: JULY 24, 2006
TEST LABORATORY: GENERAL TESTING LABORATORIES
OBSERVERS: GRANT FARRAND, JIMMY LATANE

DESIGNATED SEATING POSITION: ROW 2 LEFT SIDE (DSP A), AND ROW 2 RIGHT SIDE (DSP B)

MARKING (Circles)

Diameter of the circle: 15
Diameter ≥13mm = PASS Diameter <13mm = FAIL (S9.5(a)(1))

Does the circle have words, symbols or pictograms? YES Symbol
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: 50
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: 0
Distance ≤25mm = PASS Distance >25mm = FAIL (S9.5(a)(3))

CONSPICUITY (No Circles)

Is the anchor bar or guide visible when viewed from a point 30º 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 (DSP A), AND ROW 2 RIGHT SIDE (DSP B)

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. _____ N/A _____

RECORDED BY: ___ G. FARRAND ___________ DATE: _____ 07/24/06 __________
APPROVED BY: ___ D. MESSICK ___________
DATA SHEET 6
STRENGTH OF TETHER ANCHORAGES

VEH. MOD YR/MAKE/MODEL/BODY: 2006 FORD MUSTANG PASSENGER CAR
VEH. NHTSA NO: C60203; VIN: 1ZVFT80N265107331
VEH. BUILD DATE: 08/05; TEST DATE: SEPTEMBER 28, 2006
TEST LABORATORY: GENERAL TESTING LABORATORIES
OBSERVERS: GRANT FARRAND, JIMMY LATANE
TEST NO: 5650

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

Seat Back Angle: 27º FIXED

Location of seat back angle measurement: 2D Template

Head Restraint Position: FIXED

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: 55 N

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

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): 14,950 N

Tested simultaneously with another DSP? NO

COMMENTS: Displacement at maximum load 42 mm.

RECORDED BY: G. FARRAND  DATE: 09/28/06
APPROVED BY: D. MESSICK
VEH. MOD YR/MAKE/MODEL/BODY: 2006 FORD MUSTANG PASSENGER CAR
VEH. NHTSA NO: C60203; VIN: 1ZVFT80N265107331
VEH. BUILD DATE: 08/05; TEST DATE: SEPTEMBER 26, 2006
TEST LABORATORY: GENERAL TESTING LABORATORIES
OBSERVERS: GRANT FARRAND, JIMMY LATANE
TEST NO: 5651

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

Seat Back Angle: 27º FIXED

Location of seat back angle measurement: 2D Template

Head Restraint Position: FIXED

Force at lower front crossmember for SFAD2 while tightening rearward extensions: 135 N
Angle (measured above the horizontal at 500 N): 10º

Force application rate: 421 N/S

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

Maximum force (10,950 N ± 50 N): 10,973 N

Displacement, H1 (at 500 N): 0.0

Displacement, H2 (at maximum load): 57 mm

Displacement of Point X: 57 mm (H2-H1)

Displacement > 175 mm = FAIL (S9.4.1(a))

Tested simultaneously with another DSP? NO

Distance between adjacent DSP's: 530 mm

COMMENTS:

RECORDED BY: G. FARRAND DATE: 09/28/06
APPROVED BY: D. MESSICK
Description of which DSP’s are equipped with tether anchorages and child restraint anchorage systems:  

PASS X  FAIL 

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

PASS X  FAIL 

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

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: 

PASS X  FAIL 

COMMENTS:  

RECORDED BY: G. FARRAND  DATE: 09/28/06  
APPROVED BY: D. MESSICK
### TABLE 1 - INSTRUMENTATION & EQUIPMENT LIST

<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>DESCRIPTION</th>
<th>MODEL/ SERIAL NO.</th>
<th>CAL. DATE</th>
<th>NEXT CAL. DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPUTER</td>
<td>AT&amp;T</td>
<td>486DX266</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>LOAD CELL</td>
<td>INTERFACE</td>
<td>215709</td>
<td>09/06</td>
<td>09/07</td>
</tr>
<tr>
<td>LINEAR TRANSDUCER</td>
<td>SERVO SYSTEMS</td>
<td>20</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>SEAT BELT LOAD CELL</td>
<td>TRANSUDER</td>
<td>135</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>SEAT BELT LOAD CELL</td>
<td>TRANSUDER</td>
<td>137</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>LEVEL</td>
<td>STANLEY</td>
<td>42-449</td>
<td>02/06</td>
<td>02/07</td>
</tr>
<tr>
<td>FORCE GAUGE</td>
<td>CHATILLON</td>
<td>8761</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>CALIPER</td>
<td>N/A</td>
<td>Q9322365</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>CRF</td>
<td>MEASUREMENT FIXTURE</td>
<td>GTL CRF</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>SFAD 1</td>
<td>FORCE APPLICATION DEVICE</td>
<td>GTL SFAD 1</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>SFAD 2</td>
<td>FORCE APPLICATION DEVICE</td>
<td>GTL SFAD 2</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
</tbody>
</table>
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.2
RIGHT SIDE VIEW OF VEHICLE
2006 FORD MUSTANG  
NHTSA NO. C60203  
FMVSS NO. 225  

FIGURE 5.3  
¾ FRONTAL VIEW FROM LEFT SIDE OF VEHICLE
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.4
3/4 REAR VIEW FROM RIGHT SIDE OF VEHICLE
DATE: 08/05
GVWR: 1969KG/4340LB
FRONT GAWR: 955KG/2105LB
REAR GAWR: 1032KG/2275LB

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

VIN: 1ZVFT80N265107331  TYPE: Passenger Car
MAXIMUM LOAD = OCCUPANTS + LUGGAGE = 326KG/720LB
OCCUPANTS = 4 TOTAL;  2 FRONT, 2 REAR

TIRE (FR): P215/65R16  RIMS (FR): 16 X 7.0J
( RR): P215/65R16  ( RR): 16 X 7.0J
PRESSURE (FR): 240 kPa/35 PSI COLD  ( RR): 240 kPa/35 PSI COLD

1ZVFT80N265107331

TRAILER TOWING - SEE OWNER GUIDE
EXT PNT: G9  RC: 47  DSO: F0087
INT TR  TP/PS  R AXLE  TR  SPR
P2 5  BG  F  AAAA 605
120050817534B  CMC 5U5A-5420472-AA

2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.5
VEHICLE CERTIFICATION LABEL
### Tire and Loading Information

**Seating Capacity:**
- Total: 4
- Front: 2
- Rear: 2

The combined weight of occupants and cargo should never exceed:
- 326 kg or 720 lbs.

<table>
<thead>
<tr>
<th>Tire</th>
<th>Size</th>
<th>Cold Tire Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>P215/65R16</td>
<td>240 KPA, 35 PSI</td>
</tr>
<tr>
<td>Rear</td>
<td>P215/65R16</td>
<td>240 KPA, 35 PSI</td>
</tr>
<tr>
<td>Spare</td>
<td>T155/70R17</td>
<td>415 KPA, 60 PSI</td>
</tr>
</tbody>
</table>

SEE OWNERS MANUAL FOR ADDITIONAL INFORMATION
FIGURE 5.8
ROW 2, LEFT SIDE, TOP TETHER ANCHOR, PRE-TEST
Figure 5.14
Row 2, Left Side Top Tether Routing

2006 Ford Mustang
NHTSA No. C60203
FMVSS No. 225
FIGURE 5.17
ROW 2, RIGHT SIDE TOP TETHER ROUTING
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.19
ROW 2, RIGHT SIDE OUTBOARD CRF
MEASUREMENT
FIGURE 5.23
ROW 2, LEFT SIDE CRF PITCH MEASUREMENT
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.24
ROW 2, RIGHT SIDE CRF PITCH MEASUREMENT
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.25
ROW 2, LEFT SIDE OUTBOARD SRP MEASUREMENT
FIGURE 5.26
ROW 2, LEFT SIDE INBOARD SRP MEASUREMENT
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.27
ROW 2, RIGHT SIDE OUTBOARD SRP MEASUREMENT
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.28
ROW 2, RIGHT SIDE INBOARD SRP MEASUREMENT
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.29
¾ LEFT REAR VIEW OF VEHICLE IN TEST RIG
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.30
¾ RIGHT FRONT VIEW OF VEHICLE IN TEST RIG
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.31
PRE-TEST ROW 2, LEFT SIDE WITH SFAD 2
FIGURE 5.33
POST TEST ROW 2, LEFT SIDE WITH SFAD 2

2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.34
POST TEST ROW 2, LEFT SIDE WITH SFAD 2
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.35
PRE-TEST ROW 2, RIGHT SIDE WITH SFAD 2
2006 FORD MUSTANG
NHTSA NO. C60203
FMVSS NO. 225

FIGURE 5.36
POST TEST ROW 2, RIGHT SIDE WITH SFAD 2
Seating and Safety Restraints

SAFETY SEATS FOR CHILDREN

Child and infant or child safety seats

Use a safety seat that is recommended for the size and weight of the child. Carefully follow all of the manufacturer's instructions with the safety seat you put in your vehicle. If you do not install and use the safety seat properly, the child may be injured in a sudden stop or collision.

When installing a child safety seat:

- Review and follow the information presented in the Airbag Supplemental Restraint System (SRS) section in this chapter.
- Use the correct safety belt buckle for that seating position (the buckle closest to the direction the tongue is coming from).
- Insert the belt tongue into the proper buckle until you hear a snap and feel it latch. Make sure the tongue is securely fastened in the buckle.
- Keep the buckle release button pointed up and away from the safety seat, with the tongue between the child seat and the release button, to prevent accidental unbuckling.
- Place seat back in upright position.
- Put the safety belt in the automatic locking mode. Refer to Automatic Locking Mode (passenger side front and outboard rear seating positions) (if equipped) section in this chapter.
- LATCH lower anchors are recommended for use by children up to 48 lb. (22 kg) in a child restraint. Top tether anchors can be used for children up to 60 lb. (27 kg) in a child restraint, and to provide upper torso restraint for children up to 80 lb. (36 kg) using an upper torso harness and a belt-positioning booster.

Ford recommends the use of a child safety seat having a top tether strap. Install the child safety seat in a seating position with LATCH and

tether anchors. For more information on top tether straps and anchors, refer to Attaching safety seats with tether straps in this chapter. For more information of LATCH anchors refer to Attaching safety seats with LATCH (Lower Anchors and Tethers for Children) attachments in this chapter.

- Carefully follow all of the manufacturer's instructions included with the safety seat you put in your vehicle. If you do not install and use the safety seat properly, the child may be injured in a sudden stop or collision.

- Rear-facing child seats or infant carriers should never be placed in front of an active airbag.

Installing child safety seats with combination lap and shoulder belts

- Air bags can kill or injure a child in a child seat. NEVER place a rear-facing child seat in front of an active airbag. If you must use a forward-facing child seat in the front seat, move the seat all the way back.

1. Position the child safety seat in a seat with a combination lap and shoulder belt.

- Children 12 and under should be properly restrained in the rear seat whenever possible.
Seating and Safety Restraints

2. Pull down on the shoulder belt and then grasp the shoulder belt and lap belt together.

3. While holding the shoulder and lap belt portions together, route the tongue through the child seat according to the child seat manufacturer's instructions. Be sure the belt webbing is not twisted.

4. Insert the belt tongue into the proper buckle (the buckle closest to the direction the tongue is coming from) for that seating position until you hear a snap and feel the latch engage. Make sure the tongue is latched securely by pulling on it.

5. To put the retractor in the automatic locking mode, grasp the shoulder portion of the belt and pull downward until all of the belt is extracted and a click is heard.

6. Allow the belt to retract. The belt will click as it retracts to indicate it is in the automatic locking mode.

7. Pull the lap belt portion across the child seat toward the buckle and pull up on the shoulder belt while pushing down with your knee on the child seat.

8. Allow the safety belt to retract to remove any slack in the belt.

9. Before placing the child in the seat, forcibly move the seat forward and back to make sure the seat is securely held in place. To check this, grab the seat at the belt path and attempt to move it side to side and forward. There should be no more than one inch of movement for proper installation.

10. Try to pull the belt out of the retractor to make sure the retractor is in the automatic locking mode (you should not be able to pull more belt out). If the retractor is not locked, unbuckle the belt and repeat Steps 2 through 9.

Check to make sure the child seat is properly secured before each use.
Seating and Safety Restraints

Attaching child safety seats with tether straps

Most new forward-facing child safety seats include a tether strap which goes over the back of the seat and hooks to an anchoring point. Tether straps are available as an accessory for many older safety seats. Contact the manufacturer of your child seat for information about ordering a tether strap.

The rear seats of your vehicle are equipped with built-in tether strap anchors located behind the seats and below the rear window behind the speakers (coupé) or rearward of the seatback in the convertible top sling (convertible).

The tether anchors in your vehicle are either located under a cover marked with the child tether anchor symbol (shown with title) or are under a tag marked with the child tether anchor symbol in the convertible top sling.

The tether strap anchors in your vehicle are in the following positions (shown from top view):

1. Position the child safety seat on the seat cushion.
2. Route the child safety seat tether strap over the back of the seat.
3. Locate the correct anchor for the selected seating position as shown previously.

For Coupe only:

4. Open the tether anchor covers.

5. Clip the tether strap to the anchor as shown.

For Convertible only:

The tether anchors on the convertible are located rearward of the seatback in the convertible top sling.

Note: For easier access, attach the tether with the convertible top up.
Seating and Safety Restraints

**Note:** The attachments for the convertible boot located on the back of the head restraints are not tether anchors.

4. Access tether anchors located behind the seatback under the vinyl tag marked with the child tether anchor symbol.

5. Clip the tether strap to the anchor as shown.

- If the tether strap is clipped incorrectly, the child safety seat may not be retained properly in the event of a collision.

6. Install the child safety seat tightly using the LATCH anchors or safety belts. Follow the instructions in this chapter.

7. Tighten the child safety seat tether strap according to the manufacturer's instructions.

- If the safety seat is not anchored properly, the risk of a child being injured in a collision greatly increases.

**Attaching safety seats with LATCH (Lower Anchors and Tethers for Children) attachments**

Some child safety seats have two rigid or web mounted attachments that connect to two anchors at certain seating positions in your vehicle. This type of child seat eliminates the need to use safety belts to attach the child seat. For forward-facing child seats, the upper tether strap must also be attached to the proper tether anchor. See *Attaching safety seats with tether straps* in this chapter.
SEAT REFERENCE POINT (SRP) AND TORSO ANGLE DATA FOR FMVSS 225
(All dimensions in mm)

Model Year: 2006; Make: Ford; Model: Mustang; Body Style: Coupe
Seat Style: Front row: Adjustable buckets; Second row: _Fixed bench_; Third row: _N/A_

LEFT SIDE VIEW OF TEST VEHICLE
Table 1. Seating Positions\(^1\) and Torso Angles

<table>
<thead>
<tr>
<th>Torso Angle (degree)</th>
<th>Front Row</th>
<th>Second Row</th>
<th>Third Row</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>220.01</td>
<td>N/A</td>
<td>192.21</td>
</tr>
<tr>
<td>A2</td>
<td>226.61</td>
<td>N/A</td>
<td>226.61</td>
</tr>
<tr>
<td>A3</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>B</td>
<td>339.85</td>
<td>N/A</td>
<td>339.85</td>
</tr>
<tr>
<td>C</td>
<td>1045.84</td>
<td>N/A</td>
<td>1045.84</td>
</tr>
<tr>
<td>D</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Note: 1. All dimensions are in mm. If not, provide the unit used.
SEATING REFERENCE POINT
FOR FMVSS 225
(All dimensions in mm)

Model Year: __2006_____; Make: __Ford_____; Model: __Mustang_____; Body Style: __Coupe

Driver's seat front outboard seat adjuster anchorage
Table 2. Seating Reference Point and Tether Anchorage Locations

<table>
<thead>
<tr>
<th>Seating Reference Point (SRP)</th>
<th>Distance from Driver’s front outboard seat adjuster anchorage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Row</td>
<td></td>
</tr>
<tr>
<td>B1</td>
<td>339.85</td>
</tr>
<tr>
<td>E1</td>
<td>215.6</td>
</tr>
<tr>
<td>B2</td>
<td>337.7</td>
</tr>
<tr>
<td>E2</td>
<td>955.6</td>
</tr>
<tr>
<td>B3</td>
<td>N/A</td>
</tr>
<tr>
<td>E3</td>
<td>N/A</td>
</tr>
<tr>
<td>Second Row</td>
<td></td>
</tr>
<tr>
<td>C1</td>
<td>1045.84</td>
</tr>
<tr>
<td>F1</td>
<td>297.6</td>
</tr>
<tr>
<td>C2</td>
<td>1045.84</td>
</tr>
<tr>
<td>F2</td>
<td>873.6</td>
</tr>
<tr>
<td>C3</td>
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</tr>
<tr>
<td>F3</td>
<td>N/A</td>
</tr>
<tr>
<td>Third Row</td>
<td></td>
</tr>
<tr>
<td>D1</td>
<td>N/A</td>
</tr>
<tr>
<td>G1</td>
<td>N/A</td>
</tr>
<tr>
<td>D2</td>
<td>N/A</td>
</tr>
<tr>
<td>G2</td>
<td>N/A</td>
</tr>
<tr>
<td>D3</td>
<td>N/A</td>
</tr>
<tr>
<td>G3</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Note: 1. Use the center of anchorage.
TETHER ANCHORAGE LOCATIONS
FOR FMVSS 225
(All dimensions in mm)

Model Year: 2006; Make: Ford; Model: Mustang; Body Style: Coupe
Seat Style: Front row: Adjustable buckets; Second row: Fixed bench; Third row: N/A

Front

Second

Third

⊕: SRP
⊕: Tether anchorage

Note: 1. The location shall be measured at the center of the bar.
Table 3. Seating Reference Point and Tether Anchorage Locations

<table>
<thead>
<tr>
<th>Seating Reference Point (SRP)</th>
<th>Distance from SRP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Row</td>
<td></td>
</tr>
<tr>
<td>H1</td>
<td>N/A</td>
</tr>
<tr>
<td>K1</td>
<td>N/A</td>
</tr>
<tr>
<td>H2</td>
<td>N/A</td>
</tr>
<tr>
<td>K2</td>
<td>N/A</td>
</tr>
<tr>
<td>H3</td>
<td>N/A</td>
</tr>
<tr>
<td>K3</td>
<td>N/A</td>
</tr>
<tr>
<td>Second Row</td>
<td></td>
</tr>
<tr>
<td>I1</td>
<td>602</td>
</tr>
<tr>
<td>L1</td>
<td>22</td>
</tr>
<tr>
<td>I2</td>
<td>N/A</td>
</tr>
<tr>
<td>L2</td>
<td>N/A</td>
</tr>
<tr>
<td>I3</td>
<td>602</td>
</tr>
<tr>
<td>L3</td>
<td>22</td>
</tr>
<tr>
<td>Third Row</td>
<td></td>
</tr>
<tr>
<td>J1</td>
<td>N/A</td>
</tr>
<tr>
<td>M1</td>
<td>N/A</td>
</tr>
<tr>
<td>J2</td>
<td>N/A</td>
</tr>
<tr>
<td>M2</td>
<td>N/A</td>
</tr>
<tr>
<td>J3</td>
<td>N/A</td>
</tr>
<tr>
<td>M3</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Note: 1. Use the center of anchorage.
TETHER ANCHORAGE LOCATIONS - VERTICAL
FOR FMVSS 225
(All dimensions in mm)

Model Year: 2006; Make: Ford; Model: Mustang; Body Style: Coupe
Seat Style: Front row: Adjustable bucket; Second row: Fixed Bench;
Third row: N/A

LEFT SIDE VIEW OF TEST VEHICLE
Table 4. Vertical Dimension For The Tether Anchorage

<table>
<thead>
<tr>
<th>Seating Row</th>
<th>Vertical Distance from Seating Reference Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front Row</td>
<td></td>
</tr>
<tr>
<td>N1 (Driver)</td>
<td>N/A</td>
</tr>
<tr>
<td>N2 (Center)</td>
<td>N/A</td>
</tr>
<tr>
<td>N3 (Right)</td>
<td>N/A</td>
</tr>
<tr>
<td>Second Row</td>
<td></td>
</tr>
<tr>
<td>O1 (Left)</td>
<td>553</td>
</tr>
<tr>
<td>O2 (Center)</td>
<td>N/A</td>
</tr>
<tr>
<td>O3 (Right)</td>
<td>553</td>
</tr>
<tr>
<td>Third Row</td>
<td></td>
</tr>
<tr>
<td>P1 (Left)</td>
<td>N/A</td>
</tr>
<tr>
<td>P2 (Center)</td>
<td>N/A</td>
</tr>
<tr>
<td>P3 (Right)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Note: 1. All dimensions are in mm. If not, provide the unit used.
For each vehicle, provide the following information:

1. **How many designated seating positions exist in the vehicle?**
   Four

2. **How many designated seating positions are equipped with lower anchorages and tether anchorages? Specify which position(s).**
   Two – rear O/B

3. **How many designated seating positions are equipped with tether anchorages? Specify which position(s).**
   Two – rear O/B

4. **Lower Anchorage Marking and Conspicuity:** Whether the anchorages are certified to S9.5 (a) or S9.5(b) of FMVSS 225.
   The lower anchorages are certified to S9.5(a)