Report Number: 208-VRTC-03-001

Safety Compliance Testing for FMVSS 208 Occupant Crash Protection Suppression and Driver Low Risk Deployment Tests

General Motors Corporation 2003 Chevrolet Silverado NHTSA Number: C30102

Vehicle Research and Test Center 10820 State Route 347 East Liberty, OH 43319



Report Date: April 14, 2003

Final Report

Prepared For:

U. S. Department of Transportation
National Highway Traffic Safety Administration
Safety Assurance
Office of Vehicle Safety Compliance (NVS-220)
400 Seventh Street, S.W., Room No. 6115
Washington, DC 20590

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Purpose of Compliance Test

<u>PURPOSE</u>

This Federal Motor Vehicle Safety Standard 208 compliance test is part of a program conducted for the National Highway Traffic Safety Administration by Transportation research Center (TRC Inc.) under contract DTNH22-02-D-08062, Task Order VRTC-DCF2525. The purpose of the test was to determine whether the subject vehicle, a 2003 Chevrolet Silverado, NHTSA No. C30102, meets the suppression and low risk deployment performance requirements of FMVSS 208, "Occupant Crash Protection". The compliance test was conducted in accordance with OVSC Laboratory Test Procedure No. TP-208-11 dated August 22, 2002.

Tests Performed

TESTS PERFORMED

The following checked items indicate the tests that were performed:
1. Rear outboard scating position scat belts (\$4.1.4.2(b) & (\$4.2.4)
2. Air bag labels (\$4.5.1)
3. Readiness indicator (\$4.5.2)
4. Passenger Air Bag Manual Cut-Off Device (\$4.5.4)
5. Lan belt lockability (\$7.1.1.5)
6 Scat helt warning system (S7.3)
7. Seat belt contact force (\$7.4.3)
8. Seat belt latch plate access (\$7.4.4)
9 Seat belt retraction (\$7.4.5)
2. Air bag labels (S4.5.1) 3. Readiness indicator (S4.5.2) 4. Passenger Air Bag Manual Cut-Off Device (S4.5.4) 5. Lap belt lockability (S7.1.1.5) 6. Seat belt warning system (S7.3) 7. Seat belt contact force (S7.4.3) 8. Seat belt latch plate access (S7.4.4) 9. Seat belt retraction (S7.4.5) 10. Seat belt guides and hardware (S7.4.6) V. H. Suppression tests with 12-month-old CR ARI dummy (Pact S72, Subport N)
X 11. Suppression tests with 12-month-old CRABI dummy (Part 572, Subpart N)
X 12. Suppression tests with Newborn infant Subpart K dummy (Part 572, Subpart N)
 X 13. Suppression tests with 3-year-old dummy (Part 572, Subpart P) X 14. Suppression tests with 6-year-old dummy (Part 572, Subpart R)
X 14. Suppression tests with 6-year-old duffiny (Fart 572, Subpart K) X 15. Test of Reactivation of the passenger Air Bag system with an Unbelted 5 th Percentile
female dummy
16. Low risk deployment test with 12-month-old dummy (Part 572, Subpart N)
17. Low risk deployment test with 3-year-old dummy (Part 572, Subpart P)
18. Low risk deployment test with 6-year-old dummy (Part 572, Subpart R)
X 19. Low risk deployment test with 5 th female dummy (Part 572, Subpart O)
20. Impact tests
Frontal Oblique
Belted 50 th male dummy driver and passenger (0 to 48 km/h) (\$5.1.1 (a))
Unbelted 50 th male dummy driver and passenger (0 to 48 km/h)
(S5.1.2(a)(1))
Unbelted 50 th male dummy driver and passenger (32 to 40 km/h)
(S5.1.2(a)(1) or S5.1.2(b))
Frontal 0°
Belted 50 th male dummy driver (0 to 48 km/h) (\$5 1.1(b)(1) or \$5.1.1(a))
Belted 50^{th} male dummy passenger (0 to 48 km/h) (S5.1.1(b)(1) or
S5.1.1(a))
Belted 5th female dummy driver (0 to 48 km/h) (\$16.1(a))
Belted 5th female dummy passenger (0 to 48 km/h) (\$16.1(a))
Belted 50 th male dummy driver and passenger (0 to 56 km/h)) (S5.1.1(b)(2)
Unbelted 50th male dummy driver and passenger (0 to 48 km/h)
(S5,1,2(a)(1))
Unbelted 50 th male duminy driver (32 to 40 km/h) (S5.1.2(a)(2) or
\$5,1,2(b))
Unbelted 50^{th} male dummy passenger (32 to 40 km/h) (85.1.2(a)(2) or
S5.1.2(b))
Unbelted 5 th female dummy driver (32 to 40 km/h) (\$16 1(b))
Unbelted 5th female dummy passenger (32 to 40 km/h) (S16.1(b))
40% Offset 0° Belted 5 th female dummy driver and passenger (0 to 40 km/h)
(S18.1)
21. Sled test: Unbelted 50th male dummy driver and passenger (S13)

 22, FMVSS 204 indicant test
 23. FMVSS 212 test
 24. FMVSS 219 indicant test
25 FMVSS 301 frontal test

For the low risk deployment tests, the accelerometer data from the dummies were sampled at 12,500 samples per second and processed as specified in SAE J211/1 MAR95 and FMVSS 208, S4.13

The low risk deployment tests were recorded using high speed digital motion picture cameras

The vehicle appears to meet the performance requirements to which it was tested.

2 - 3

Injury Result Summary

INJURY RESULT SUMMARY FOR CRASH TESTS AND/OR LOW RISK DEPLOYMENT TESTS

NHTSA No.: <u>C30102</u>	Test Date: 10/28/02
VIN: <u>3GNEC16Z53G108730</u>	
Frontal Crash Offset Crash	Low Risk Deployment X
Impact Angle:	
Belted Dummies: YesX_ No	
Speed Range: 32 to 40 km/h 0 to 40 km/h	0 to 48 km/h 0 to 56 km/h
Test Speed: N/A	
Driver Dummy: X 5 th female 50 th male	
Passenger Dummy:5 th female50 th male	
Test weight: N/A	

5th Percentile Female Low Risk Deployment Test Vehicles certified to \$25.3

1					
Injury Criteria	Max. Allowable Injury Assessment Values	Position 1	Position 2*		
HIC15	700	25	N/A		
N _{le}	1.0	0.1	N/A		
N _{tt}	1.0	0.3	N/A		
Nec	1.0	0.0	N/A		
N _{cf}	1.0	0,3	N/A		
Neck tension	2070 N	249	N/A		
Neck compression	2520 N	225	N/A		
Chest g	60 g	12	N/A		
Chest displacement	52 mm	3	N/A		
Left femur	6805 N	59	N/A		
Right femur	6805 N	53	N/A		

^{*}Position 2 not tested

Discussion of Test

DISCUSSION OF TEST

Suppression Tests

There have been two Appendix A child restraint lists published. The Federal Register publish dates were May 12, 2000 and December 18, 2001. There were ten child restraints common to both lists. Where the suppression testing required use of a child restraint, these ten restraints were the ones used. The following is a list of those restraints:

Ί.	Britax Handle with Care 191	(Rear facing)
2.	Britax Roundabout 161	(Convertible)
3.	Century Encore 4612	(Convertible)
4.	Century Next Step 4920	(Booster)
5.	Cosco Dream Ride 02-719	(Car bed)
6.	Cosco High Back Booster 02-442	(Booster)
7.	Eventlo First Choice 204	(Rear facing)
8.	Evenflo Medallion 254	(Convertible)
9.	Eventlo Right Fit 245	(Booster)
10.	Graco Infant 8457	(Rear Facing)

The following table shows the break down by category of restraints tested:

	May 12	December 18	Tested
Car bed	1	1	1
Convertibles	11	10	3
Forward Facing	7	7	3
Boosters	4	4	3
Total	23	22	10

The suppression system in this truck was weight based. Therefore, neither the fore-aft seat position nor the child seat variations (blanket, handle, and sun shield) had an effect on suppression of the air bag. In addition, since the vehicle had seat belts integral to the seat, the seat belt load did not have to be adjusted after the original setting when the seat was moved to a different fore-aft seat position. The seat belt tension is stated at the end of each summary table.

The child restraint and child suppression tests were performed using data sheets from test procedure TP208-11. These data sheets are up to 16 pages in length. Considering that there were no suppression test failures it would only add volume to the report to include each page of the data sheet. In addition, some efficiencies in the procedure were found during these tests, and some part of the forms were not always applicable. (These efficiencies have been incorporated into the most current version of the test procedure, TP208-12.) Therefore, only a summary of the results is included in the data sheet section of this report. The full forward seat track position could not always be attained. These situations are noted at the end of each summary table.

5th Female Driver Low Risk Deployment Tests

There are two 5th female driver low risk deployment tests specified for advanced air bags. Position 1 is chin on module and position 2 is chin on rim. Position 1 was the position used for this vehicle. After the low risk deployment test, the vehicle was repaired at a dealership and then barrier crash tested. The crash test is in a separate report.

Test Data Sheets

DATA SHEET 1

COTR Vehicle Work Order

Vehicle model year, make, and model: 2003 Chevrolet Silverado				
NHTSA No <u>C3</u>	0102		Test Date	. <u>10/07/02 to 10/28/02</u>
COTR signature:	Charles R. Case		_	
Tests to be performe	d for this vehicle are checked below	N.		
2. Airbag la 3 Readiness i 4. Passenge. 5. Lap belt l	indicator (\$4.5.2) rain bag manual cut-off device (\$4. ockability (\$7.1.1.5)		54.2.4)	
7. Seat belt 8. Seat belt 9. Seat belt	warning system (\$7.3) contact force (\$7.4.3) latch plate access (\$7.4.4) retraction (\$7.4.5) guides and hardware (\$7.4.6)			
child rest Section A	aints	•	•	art. R) using the following indicated
Section B	ream Ride 02-719 andle with Care 191			Mid position X Full forward Mid position X Full forward
	Assura 4553 Avanta SE 41530 Smart Fit 1543	Full rear Full rear Full rear	rward rward	Mid position Full forward Mid position Full forward
Cosen A Cosen O	niva 02727 pus 35 02603	Full tean	rward	Mid position Full forward Mid position Full forward Mid position Full forward
X Evenilo i	Discovery Adjust Right 212 First Choice 204 On My Way Position Right V 282 Fant 8457	Full rear	rward X	Mid position Full forward Mid position Full forward Mid position Full forward Mid position Y Full forward
Section C	oundabout 161	X Full rear	rward X	Mid position X Full forward Mid position X Full forward
Century Cosco O Cosco Te	STE 1000 4416 lympian 02803 puriva 02519 Horizon V 425	Full rear Full rear	rward rward; rward;	Mid position Full forward Mid position Full forward Mid position Full forward Mid position Full forward
X Eveuflo X D.Suppression restraints	Medallion 254	X Full teat	rward X	Mid position $\frac{1}{X}$ Full forward ing the following indicated child
X Century	oundabour 161 Encore 4612 STE 1000 4416 lympian 02803 ouriva 02519 Horizon V 425 Medallion 254		rward X rward r	Mid position X Full forward Mid position X Full forward Mid position X Full forward

	Section D	
	Britan Roadster 9004	Full rearward Mid position Full forward
	X Century Next Step 4920	X Full rearward X Mid position X Full forward
	X Cosco High Back Booster 02-112	X Full rearward X Mid position X Full forward
	X Evenilo Right Fit 245	X Full rearward X Mid position X Full forward
		rear-old child using the following indicated child restraints
		ory Test Procedure Appendix H, Data Sheet 16H and 17H)
	Section C.	ory Test Procedure Appendix II, Data Sheet For and 1911)
		Fall concerned Mid position Fall formund
	Britax Roundabout 161	Full rearward Mid position Full forward
	Century Encore 4612	Full reacward Mid position Full forward
	Century STE 1000 4416	Full rearward Mid position Full forward
	Cosco Olympian 02803	Full rearwardMid positionFull forward
	Cosco Touriva 02519	Full rearward Mid position Full forward
	Evcullo Horizon V 425	Full rearward Mid position Full forward
	Exenflo Medallion 254	Full rearward Mid position Full forward
	Section D	
	Britan Roadster 9004	Full rearward Mid position Full forward
	Century Next Step 4920	Full rearward Mid position Full forward
	Cosco High Back Booster 02-442	Full rearward Mid position Full forward
	Evenflo Right Fit 245	Full rearward Mid position Full forward
X	14. Suppression tests with 3-year-old dummy (
	X Sitting on seat with back against seat bac	
	X Sitting on seat with back against recliner	
	X Sitting on seat with back not against sea	
	X Sitting on seat edge, spine vertical, hand	
	X Standing on seat, facing forward (\$22.2.	,
	X Kneeling on seat facing forward (\$22.2.)	
	X Kneeling on seat facing rearward (\$22.2	.2.7)
	X Lying on scal (\$22,2,2,8)	
	15 Suppression tests with representative 3-year	
	Sitting on seat with back against seat back	
	 Silling on seal with back against reclined 	
	Sitting on seat with back not against sear	
	Sitting on seat edge, spine vertical, hand	s by the child's side (\$22,2,2,4)
	Standing on seat, facing forward (\$22.2.	2.5)
	Kneeling on seat facing forward (\$22.2)	2,0)
	Kneeling on seat facing rearward (\$22.2	.2.7)
	Lying on scal (\$22.2.2.8)	•
X		(Part 572, Subpart N) using the following indicated child
	restraints where a child restraint is required	
	Section D	•
	Britax Roadster 9004	Full rearward Mid position Full forward
	X Century Next Step 4920	X Full rearward X Mid position X Full forward
		22 Pull Rai Said 22 Whit position 12 Tail Perward
	Y Coven High Buck Browler 02-142	Y Full reconstant Y Midwestian Y Full forward
	X Cosen High Back Booslet 02-442	X Full reneward X Mid position X Full forward
	X Evenflo Right Fit 245	X Full rearward X Mid position X Full forward
	 X Evenflo Right Fit 245 17. Suppression tests with representative 6-year 	
	 X Evenflo Right Fit 245 17. Suppression tests with representative 6-year a child restraint is required. 	X Full rearward X Mid position X Full forward
	 X Evenflo Right Fit 245 17. Suppression tests with representative 6-year a child restraint is required. Section D 	<u>X</u> Full rearward <u>X</u> Mid position <u>X</u> Full forward r-old child using the following indicated child restraints where
	 X Evenflo Right Fit 245 17. Suppression tests with representative 6-year a child restraint is required. Section D Britax Roadster 9004 	_X_Full rearward _X_Mid position _X_Full forward r-old child using the following indicated child restraints whereFull rearwardMid positionFull forward
	 X Evenflo Right Fit 245 17. Suppression tests with representative 6-year a child restraint is required. Section D Britax Roadster 9004 Century Next Step 4920 	X_ Full rearwardX_ Mid position _X_ Full forward r-old child using the following indicated child restraints where Full rearward Mid position Full forward Full warward Mid position Full forward
	 X Evenflo Right Fit 245 17. Suppression tests with representative 6-year a child restraint is required. Section D Britax Roadster 9004 Century Next Step 4920 Cosco High Back Booster 02-442 	_X_Full rearward _X_Mid position _X_Full forward r-old child using the following indicated child restraints where Full rearward Mid position Full forward
	 X Evenflo Right Fit 245 17. Suppression tests with representative 6-year a child restraint is required. Section D Britax Roadster 9004 Century Next Step 4920 Cosco High Back Booster 02-442 Evenflo Right Fit 245 	_X_Full rearward _X_Mid position _X_Full forward r-old child using the following indicated child restraints where Full rearwardMid positionFull forwardFull rearwardMid positionFull forwardFull rearwardMid positionFull forwardFull rearwardMid positionFull forwardFull rearwardMid positionFull forward
x_	 X Evenflo Right Fit 245 Suppression tests with representative 6-year a child restraint is required. Section D Britax Roadster 9004 Century Next Step 4920 Cosco High Back Booster 02-442 Evenflo Right Fit 245 Suppression tests with 6-year-old dummy (X_Full rearwardX_Mid position _X_Full forward r-old child using the following indicated child restraints whereFull rearwardMid positionFull forwardFull warwardMid positionFull forwardFull rearwardMid positionFull forwardFull rearwardMid positionFull forward Part 572, Subpart N) in the following positions
X_	 X Evenflo Right Fit 245 17. Suppression tests with representative 6-year a child restorint is required. Section D Britax Roadster 9004 Century Next Step 4920 Cosco High Back Booster 02-442 Evenflo Right Fit 245 18. Suppression tests with 6-year-old dummy (X Sitting on seat with back against seat back 	X_Full rearwardX_Mid positionX_Full forward r-old child using the following indicated child restraints whereFull rearwardMid positionFull forwardMid positionFull forwardMid positionFull forwardMid positionFull forwardMid positionFull forwardMid positionFull forward Part 572, Subpart N) in the following positions ck (\$22,2,2,1)
X	 X Evenflo Right Fit 245 Suppression tests with representative 6-year a child restraint is required. Section D Britax Roadster 9004 Century Next Step 4920 Cosco High Back Booster 02-442 Evenflo Right Fit 245 Suppression tests with 6-year-old dummy (X_Full rearwardX_Mid positionX_Full forward r-old child using the following indicated child restraints whereFull rearwardMid positionFull forwardMid positionFull forwardMid positionFull forwardMid positionFull forwardMid positionFull forwardMid positionFull forward Part 572, Subpart N) in the following positions ck (\$22,2,2,1)

	 X Sitting back in the seat and leaning on the 	e right front passenger o	door (\$24.2.3)	
	19. Suppression tests with representative 6-year	-old child in the follow	ing positions	
	Sitting on seat with back against seat bac	k (S22,2,2,1)		
	Sitting on seat with back against reclined	seat back (\$22,2,2,2)		
	Sitting on seat edge, spine vertical, hands	by the durany's side (S22.2.2.4)	
	Sitting back in the seat and leaning on the	e right front passenger o	door (\$24,2,3)	
	20. Low risk deployment test with 12-month-of	ld dummy (Part 572, Sc	bpart R) using the	following indicated
	child restraints	• •	•	· ·
	Section B			
	Britax Handle with Care 191	Full rearward	Mid position	Full forward
	Century Assura 4553	Full rearward	Mid position	Full forward
	Century Avanta SE 41530	Full rearward	Mid position	Full forward
	Century Smart Fit 4543	Full rearward	Mid position	Full forward
	Cosco Aniva 02727	Full rearward	Mid position	Full forward
	Cosco Opus 35 02603	Full rearward	Mid position	Full forward
	Evenflo Discovery Adjust Right 212	Full rearward	Mid position	Full forward
	Eveuflo First Choice 204	Full rearward	Mid position	Full forward
	Evenflo On My Way Position Right V 282	Full rearward	Mid position	Full forward
	Graco Inlant 8457	Full rearward	Mid position	Full forward
	Section C			
	Britax Roundabout 161	Full rearward	Mid position	Full forward
	Century Encore 4612	Full rearward	Mid position	Full forward
	Century STE 1000 4416	Full rearward	Mid position	Full forward
	Cosco Olympian 02803	Full rearward	Mid position	Full forward
	Cosco Touriya 02519	I'ull rearward	Mid position	Full forward
	Eveullo Horizon V 425	Full rearward	Mid position	Full forward
	Evenflo Medallion 254	Full rearward	Mid position	Full forward
Y	21. Test of Reactivation of the Passenger Air I			
	(S20.3, 22.3, S24.3) Perform this test after			ile I chiede Deliling
	(320(22(324.5) Tellorin Rus teacarter	me tenters ing sulppressi	ou water.	
	-			
	22. Test of Reactivation of the Passenger Air Ba	ac System with a renres	entative 5th Percei	ntile Female (\$70.3)
	22.3, \$24.3) Perform this test after the follo			idio i ciidio (520,
	23.5, 52 (.5) Tollolli this lost title like folk	oving auppression com		
	23. Low risk deployment test with 3-year-old do	mous (Part 572, Sulmo	rt P) in the followin	ne positions
	Position I	tunitiy (1 abi. 572, tituspa	it i) iit the tolker.	ng pennena
	Position 2			
	24. Low risk deployment test with 6-year-old do	moun. (Part 572, Sulma	rt XIV in the follows	na maciliane
	Position I	tuminy (1 aut. 572, milypo	it Ay it like tenters i	ng (Mathoda
	Position 2			
₹-		market (That 57) Submi	ed Civias they follows	ina monitima
<u>X</u>	X Position 1	unning (ran 572, adopa	iii (7) iii iiie ioiiowi	ing brighting
	Position 2			
	26. Impact tests			
	Frontal Oblique Test Speed		001170	
	Belted 50th male dummy driver and pass			
	Unbelled 50th male dummy driver and pa			C# LOUIS:
	Unbelted 50th male dummy driver and pa	assenger ((.32 to 40 km/	n) (85,1,2(a)(1) or	55,1,2(0))
	Fronial O ^c Test Speed			
	Belted 50th male dummy driver ((0 to 48			
	Belted 50th male dummy passenger (0 to) or \$5.1.1(a))	
	Belted 5th female dummy driver (0) to 43			
	Belted 5th female dummy passenger ((0))	to 48 km/h) (\$16.1(a)) -		

Belted 50th male dummy driver and passenger ((0 to 56 km/h) (\$5.1.1(b)(2)(
Unbelled 50th male dummy driver and passenger ((0 to 48 km/h) (\$5.1.2(a)(1))
Unbelted 50th male dummy driver ((32 to 40 km/h) (S5 1,2(a)(2) or S5 ± 2(b))
Unbelted 50th male dummy passenger (32 to 40 km/h) (\$5.1.2(a)(2) or \$5.1.2(b))
Unbelled 5th female dummy driver (32 to 40 km/h) (816.1(b))
Unbelted 5th female dummy passenger (32 to 40 km/h) (\$16.1(b))
40% Offset 0° Belied 5th female dunting driver and passenger (0 to 40 km/h) (\$18.1)
Test Speed 40 km/h see test procedure for speed tolerance
27. Sled test: Unbelted 50th male dummy driver and passenger (\$13)
28. FMVSS 204 indicant test
29 FMVSS 212 test
30 FMVSS 219 indicant test
31. FMVSS 301 frontal test

NHTSA No.	C30102	Test Date: _ 10/07/02
Laboratory: _	VRTC	Test Technician(s): <u>C. Case, B. Smith. G. Fout</u>
Child Restra	int Name,	Model, Date of Manufacture: Britax Handle with Care
Base:On	Off X_	N/A-Restraint does not have a removable base
Seat Position	n: Rea	rmost, mid-height $_$ Mid-pasitian, mid-height $ extbf{X}_$ Foremost, mid-heigh

Belted, Fating, Forward facing, Forward facing, Forward facing, Forward facing, Forward facing, Forward facing, Forward facing Rear Down In-use None N/A Suppressed N/A S	_The	re was no he	eight adjusti	ment.				
FMVSS Favering F			ı					
225				(S20.1.3)	(S20.1.4)	I .		
1 Belted Rear Down In-use None N/A N/A 2 Belted Rear Down Stowed None N/A Suppressed 3 Belted Rear Upright In-use None N/A Suppressed 4 Belted Rear Upright Stowed None N/A N/A 5 Belted Rear Down In-use On N/A N/A 6 Belted Rear Upright In-use On N/A Suppressed 8 Belted Rear Upright Stowed On N/A Suppressed 9 Belted Rear Down In-use N/A On Suppressed 10 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright Stowed N/A On Suppressed 13 Unbelt			ı			(S20.1.5(a))	(S20.1.5(b))	Or N/A
Z Belted Rear Down Stowed None N/A Suppressed 3 Belted Rear Upright In-use None N/A Suppressed 4 Belted Rear Upright Stowed None N/A Suppressed 5 Bolted Rear Down In-use On N/A Suppressed 7 Belted Rear Upright In-use On N/A Suppressed 8 Belted Rear Upright Stowed On N/A Suppressed 9 Belted Rear Down In-use N/A On N/A 10 Belted Rear Upright In-use N/A On Suppressed 11 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright In-use None N/A On Suppressed	_				1		B1//B	11/4
3 Belted Rear Upright In-use None N/A Suppressed 4 Belted Rear Upright Stowed None N/A Suppressed 5 Bolted Rear Down In-use On N/A N/A 6 Belted Rear Down Stowed On N/A Suppressed 7 Belted Rear Upright In-use On N/A Suppressed 8 Belted Rear Down In-use N/A On N/A 9 Belted Rear Down Stowed N/A On Suppressed 10 Belted Rear Down Stowed N/A On Suppressed 11 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright Stowed N/A On Suppressed 12 Unbel								
4 Beited Rear Upright Stowed None N/A Suppressed 5 Boltod Roar Down In-usc On N/A N/A 6 Belted Rear Down Stowed On N/A Suppressed 7 Belted Rear Upright In-use On N/A Suppressed 8 Belted Rear Down In-use N/A On N/A 9 Belted Rear Down In-use N/A On Suppressed 10 Belted Rear Down Stowed N/A On Suppressed 11 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright In-use None N/A N/A 13 Unbelted Rear Down In-use None N/A Suppressed 15 Unbelted </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
5 Boltod Roar Down In-use On N/A N/A 6 Belted Rear Down Stowed On N/A Suppressed 7 Belted Rear Upright In-use On N/A Suppressed 8 Belted Rear Upright Stowed On N/A Suppressed 9 Belted Rear Down In-use N/A On Suppressed 10 Belted Rear Down Stowed N/A On Suppressed 11 Belted Rear Upright Stowed N/A On Suppressed 12 Belted Rear Upright Stowed N/A On Suppressed 12 Belted Rear Down In-use None N/A N/A 12 Unbelted Rear Down Stowed None N/A Suppressed 15 Unbe								· · ·
6 Belted Rear Down Stowed On N/A Suppressed 7 Belted Rear Upright In-use On N/A Suppressed 8 Belted Rear Upright Stowed On N/A On N/A 9 Belted Rear Down In-use N/A On N/A 10 Belted Rear Down Stowed N/A On Suppressed 11 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright Stowed N/A On Suppressed 12 Unbelted Rear Down Stowed None N/A Suppressed 15 Unbelted Rear Upright Stowed None N/A Suppressed								
7 Belted Rear Upright In-use On N/A Suppressed 8 Belted Rear Upright Stowed On N/A Suppressed 9 Belted Rear Down In-use N/A On N/A 10 Belted Rear Down Stowed N/A On Suppressed 11 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright Stowed N/A On Suppressed 13 Unbelted Rear Down In-use None N/A N/A Suppressed 14 Unbelted Rear Upright In-use None N/A Suppressed 15 Unbelted Rear Upright Slowed None N/A Suppressed 16 Unbelted Rear Down Slowed On N/A Suppressed								
8 Belted Rear Upright Stowed On N/A Suppressed 9 Belted Rear Down In-use N/A On N/A 10 Belted Rear Down Stowed N/A On Suppressed 11 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright In-use N/A On Suppressed 13 Unbelted Rear Down In-use None N/A Suppressed 15 Unbelted Rear Down Stowed None N/A Suppressed 16 Unbelted Rear Upright In-use None N/A Suppressed 17 Unbelted Rear Down Stowed On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 2								Suppressed
9 Belted Rear Down In-use N/A On N/A 10 Belted Rear Down Stowed N/A On Suppressed 11 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright Stowed N/A On Suppressed 13 Unbelted Rear Down In-use None N/A N/A 14 Unbelted Rear Down Stowed None N/A Suppressed 15 Unbelted Rear Upright In-use None N/A Suppressed 16 Unbelted Rear Upright In-use None N/A Suppressed 17 Unbelted Rear Upright Stowed None N/A Suppressed 18 Unbelted Rear Down In-use On N/A Suppressed 19 Unbelted Rear Down Stowed On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 20 Unbelted Rear Upright Stowed On N/A Suppressed 21 Unbelted Rear Down In-use N/A On N/A Suppressed 22 Unbelted Rear Upright Stowed On N/A Suppressed 23 Unbelted Rear Down In-use N/A On Suppressed 24 Unbelted Rear Down Stowed N/A On Suppressed 25 Unbelted Rear Upright In-use N/A On Suppressed 26 Unbelted Rear Upright In-use N/A On Suppressed 27 Unbelted Rear Upright In-use N/A On Suppressed 28 Unbelted Rear Upright In-use N/A On Suppressed 29 Unbelted Rear Upright In-use N/A On Suppressed 20 Unbelted Rear Upright In-use N/A On Suppressed 20 Unbelted Rear Upright In-use N/A N/A On Suppressed 21 Unbelted Rear Upright Stowed N/A On Suppressed 22 Unbelted Rear Upright Stowed N/A On Suppressed 23 Unbelted Rear Upright Stowed N/A On N/A N/A 26 225 Rear Down Stowed None N/A N/A 27 225 Rear Upright Stowed None N/A N/A 28 225 Rear Upright In-use None N/A N/A 30 225 Rear Upright In-use On N/A N/A 31 225 Rear Upright Stowed On N/A N/A 32 225 Rear Upright Stowed On N/A N/A 33 225 Rear Upright In-use N/A On N/A N/A 34 225 Rear Down In-use N/A On N/A N/A 35 225 Rear Down In-use N/A On N/A N/A		Belted	Rear	Upright	In-use	On		Suppressed
10BeltedRearDownStowedN/AOnSuppressed11BeltedRearUprightIn-useN/AOnSuppressed12BeltedRearUprightStowedN/AOnSuppressed13UnbeltedRearDownIn-useNoneN/AN/A14UnbeltedRearDownStowedNoneN/ASuppressed15UnbeltedRearUprightIn-useNoneN/ASuppressed16UnbeltedRearUprightSlowedNoneN/ASuppressed17UnbeltedRearDownIn-useOnN/AN/A18UnbeltedRearDownStowedOnN/ASuppressed19UnbeltedRearUprightIn-useOnN/ASuppressed20UnbeltedRearUprightStowedOnN/ASuppressed21UnbeltedRearDownIn-useN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightIn-useN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A30 <td>8</td> <td>Belted</td> <td>Rear</td> <td>Upright</td> <td>Stowed</td> <td>On</td> <td>N/A</td> <td>Suppressed</td>	8	Belted	Rear	Upright	Stowed	On	N/A	Suppressed
11 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright Stowed N/A On Suppressed 13 Unbelted Rear Down In-use None N/A N/A 14 Unbelted Rear Down Stowed None N/A Suppressed 15 Unbelted Rear Upright In-use None N/A Suppressed 16 Unbelted Rear Upright Stowed None N/A Suppressed 17 Unbelted Rear Down In-use On N/A Suppressed 19 Unbelted Rear Down Stowed On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 20 Unbelted Rear Upright In-use On N/A Suppressed 21 Unbelted Rear Upright Stowed On N/A Suppressed 22 Unbelted Rear Upright Stowed On N/A Suppressed 23 Unbelted Rear Down In-use N/A On Suppressed 24 Unbelted Rear Upright In-use N/A On Suppressed 25 Unbelted Rear Upright In-use N/A On Suppressed 26 Unbelted Rear Upright In-use N/A On Suppressed 27 Unbelted Rear Upright In-use N/A On Suppressed 28 Unbelted Rear Upright In-use N/A On Suppressed 29 Unbelted Rear Upright In-use N/A On Suppressed 20 Unbelted Rear Upright Stowed N/A On Suppressed 20 Unbelted Rear Upright In-use N/A On Suppressed 21 Unbelted Rear Upright Stowed N/A On Suppressed 22 Unbelted Rear Upright Stowed N/A On Suppressed 23 Unbelted Rear Upright Stowed N/A On Suppressed 24 Unbelted Rear Upright Stowed N/A On Suppressed 25 225 Rear Down In-use None N/A N/A 26 225 Rear Down Stowed None N/A N/A 27 225 Rear Upright In-use None N/A N/A 30 225 Rear Upright In-use On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright In-use On N/A N/A 33 225 Rear Upright In-use N/A On N/A N/A 34 225 Rear Down In-use N/A On N/A N/A 35 225 Rear Upright In-use N/A On N/A N/A	ð	Belted	Rear	Down	In-use	N/A	On	N/A
12 Belted Rear Upright Stowed N/A On Suppressed 13 Unbelted Rear Down In-use None N/A N/A 14 Unbelted Rear Down Stowed None N/A Suppressed 15 Unbelted Rear Upright In-use None N/A Suppressed 16 Unbelted Rear Upright Slowed None N/A Suppressed 17 Unbelted Rear Down In-use On N/A Suppressed 18 Unbelted Rear Down In-use On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 19 Unbelted Rear Upright Stowed On N/A Suppressed 20 Unbelted Rear Upright Stowed On N/A Suppressed 21 Unbelted Rear Down In-use N/A On N/A 22 Unbelted Rear Down In-use N/A On Suppressed 23 Unbelted Rear Upright In-use N/A On Suppressed 24 Unbelted Rear Upright In-use N/A On Suppressed 25 Unbelted Rear Upright In-use N/A On Suppressed 26 Unbelted Rear Upright In-use N/A On Suppressed 27 Unbelted Rear Upright In-use N/A On Suppressed 28 Unbelted Rear Upright In-use N/A On Suppressed 29 Unbelted Rear Upright In-use None N/A N/A 29 Unbelted Rear Upright In-use None N/A N/A 29 Unbelted Rear Upright In-use None N/A N/A 30 Upright In-use None N/A N/A 31 Upright In-use On N/A N/A 32 Upright In-use On N/A N/A 33 Upright In-use On N/A N/A 34 Upright In-use N/A On N/A N/A 35 Rear Upright In-use N/A On N/A N/A 36 Upright In-use N/A On N/A N/A 37 Upright In-use N/A On N/A N/A 38 Upright In-use N/A On N/A N/A 39 Upright In-use N/A On N/A N/A	10	Belted	Rear	Down	Stowed	N/A	On	Suppressed
13 Unbelted Rear Down In-use None N/A N/A 14 Unbelted Rear Down Stowed None N/A Suppressed 15 Unbelted Rear Upright In-use None N/A Suppressed 16 Unbelted Rear Upright Slowed None N/A Suppressed 17 Unbelted Rear Down In-use On N/A Suppressed 18 Unbelted Rear Down In-use On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 20 Unbelted Rear Upright Stowed On N/A Suppressed 21 Unbelted Rear Down In-use N/A On N/A 22 Unbelted Rear Down In-use N/A On Suppressed 23 Unbelted Rear Upright In-use N/A On Suppressed 24 Unbelted Rear Upright In-use N/A On Suppressed 25 Unbelted Rear Upright In-use N/A On Suppressed 26 Unbelted Rear Upright In-use N/A On Suppressed 27 Unbelted Rear Upright In-use N/A On Suppressed 28 Unbelted Rear Upright In-use None N/A N/A 29 Unbelted Rear Down In-use None N/A N/A 29 Unbelted Rear Upright In-use None N/A N/A 29 Unbelted Rear Upright In-use None N/A N/A 29 Unbelted Rear Upright In-use None N/A N/A 30 Upright In-use None N/A N/A 31 Upright Stowed None N/A N/A 32 Upright In-use On N/A N/A 33 Upright In-use None N/A N/A 34 Upright In-use N/A On N/A N/A 35 Rear Upright In-use N/A On N/A N/A 36 Upright In-use N/A On N/A N/A 37 Upright In-use N/A On N/A N/A 38 Upright In-use N/A On N/A N/A 39 Upright In-use N/A On N/A N/A	1 1	Belted	Rear	Upright	In-use	N/A	On	Suppressed
14 Unbelted Rear Down Stowed None N/A Suppressed 15 Unbelted Rear Upright In-use None N/A Suppressed 16 Unbelted Rear Upright Slowed None N/A Suppressed 17 Unbelted Rear Down In-use On N/A N/A 18 Unbelted Rear Down Stowed On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 20 Unbelted Rear Upright Stowed On N/A Suppressed 21 Unbelted Rear Down In-use N/A On N/A Suppressed 22 Unbelted Rear Down In-use N/A On Suppressed 23 Unbelted Rear Upright In-use N/A On Suppressed 24 Unbelted Rear Upright In-use N/A On Suppressed 25 Unbelted Rear Upright Stowed N/A On Suppressed 26 Unbelted Rear Upright Stowed N/A On Suppressed 27 Unbelted Rear Upright In-use N/A On Suppressed 28 Unbelted Rear Upright Stowed N/A On Suppressed 29 Unbelted Rear Upright Stowed N/A On Suppressed 20 Unbelted Rear Upright Stowed N/A On Suppressed 20 Unbelted Rear Upright Stowed N/A On Suppressed 21 Unbelted Rear Upright Stowed N/A On Suppressed 22 Unbelted Rear Upright Stowed None N/A N/A 25 Unbelted Rear Upright In-use None N/A N/A 26 Unbelted Rear Upright In-use None N/A N/A 27 Upright In-use None N/A N/A 28 Upright In-use None N/A N/A 30 Upright In-use On N/A N/A 31 Upright In-use On N/A N/A 32 Upright In-use N/A On N/A N/A 33 Uppressed N/A On N/A N/A 34 Upright In-use N/A On N/A N/A 35 Uppressed N/A On N/A N/A 36 Uppressed N/A On N/A N/A 37 Upright In-use N/A On N/A N/A	12	Belted	Rear	Upright	Stowed	N/A	On	Suppressed
15UnbeltedRearUprightIn-useNoneN/ASuppressed16UnbeltedRearUprightSlowedNoneN/ASuppressed17UnbeltedRearDownIn-useOnN/AN/A18UnbeltedRearDownStowedOnN/ASuppressed19UnbeltedRearUprightIn-useOnN/ASuppressed20UnbeltedRearUprightStowedOnN/ASuppressed21UnbeltedRearDownIn-useN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A28225RearUprightIn-useNoneN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A32225RearDownIn-useN/AOnN/A34225RearDownIn-useN/AOnN/A35225RearDownIn-us	13	Unbelted	Rear	Down	In-use	None	N/A	N/A
16 Unbelted Rear Upright Slowed None N/A Suppressed 17 Unbelted Rear Down In-use On N/A N/A 18 Unbelted Rear Down Stowed On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 20 Unbelted Rear Upright Stowed On N/A Suppressed 21 Unbelted Rear Down In-use N/A On N/A 22 Unbelted Rear Down Stowed N/A On Suppressed 23 Unbelted Rear Upright In-use N/A On Suppressed 24 Unbelted Rear Upright In-use N/A On Suppressed 25 Unbelted Rear Upright Stowed N/A On Suppressed 26 Unbelted Rear Upright Stowed N/A On Suppressed 27 Unbelted Rear Upright Stowed N/A On Suppressed 28 Unbelted Rear Upright Stowed N/A On Suppressed 29 Unbelted Rear Upright In-use None N/A N/A 20 Unbelted Rear Upright Stowed N/A On Suppressed 21 Unbelted Rear Upright Stowed N/A On N/A N/A 22 Unbelted Rear Upright Stowed None N/A N/A 23 Unbelted Rear Upright In-use None N/A N/A 24 Unbelted Rear Upright In-use None N/A N/A 25 Upright In-use None N/A N/A 26 Upright In-use None N/A N/A 27 Upright Stowed None N/A N/A 28 Upright In-use On N/A N/A 30 Upright In-use On N/A N/A 31 Upright In-use On N/A N/A 32 Upright In-use N/A N/A N/A 33 Upright In-use N/A On N/A N/A 34 Upright In-use N/A On N/A N/A 35 Upright In-use N/A On N/A N/A	14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed
17UnbeltedRearDownIn-useOnN/AN/A18UnbeltedRearDownStowedOnN/ASuppressed19UnbeltedRearUprightIn-useOnN/ASuppressed20UnbeltedRearUprightStowedOnN/ASuppressed21UnbeltedRearDownIn-useN/AOnN/A22UnbeltedRearDownStowedN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A28225RearUprightStowedNoneN/AN/A29225RearDownIn-useOnN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A32225RearDownIn-useN/AOnN/A34225RearDownStowedN/AOnN/A35225RearUprightIn-useN/AOn </td <td>15</td> <td>Unbelted</td> <td>Rear</td> <td>Upright</td> <td>In-use</td> <td>None</td> <td>N/A</td> <td>Suppressed</td>	15	Unbelted	Rear	Upright	In-use	None	N/A	Suppressed
18 Unbelted Rear Down Stowed On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 20 Unbelted Rear Upright Stowed On N/A Suppressed 21 Unbelted Rear Down In-use N/A On N/A 22 Unbelted Rear Down Stowed N/A On Suppressed 23 Unbelted Rear Upright In-use N/A On Suppressed 24 Unbelted Rear Upright Stowed N/A On Suppressed 25 225 Rear Down In-use None N/A N/A 26 225 Rear Down Stowed None N/A N/A 27 225 Rear Upright In-use None N/A N/A 28 225 Rear Upright Stowed None N/A N/A 30 225 Rear Down In-use On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright In-use On N/A N/A 33 225 Rear Upright Stowed On N/A N/A 34 225 Rear Down Stowed On N/A N/A 35 Rear Upright Stowed On N/A N/A 36 225 Rear Upright In-use On N/A N/A 37 225 Rear Upright In-use On N/A N/A 38 225 Rear Upright Stowed On N/A N/A 39 225 Rear Upright Stowed On N/A N/A 30 225 Rear Upright In-use On N/A N/A 31 225 Rear Upright Stowed On N/A N/A 32 225 Rear Upright Stowed On N/A N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Down Stowed N/A On N/A	16	Unbelted	Rear	Upright	Slowed	None	N/A	Suppressed
19 Unbeited Rear Upright In-use On N/A Suppressed 20 Unbeited Rear Upright Stowed On N/A Suppressed 21 Unbeited Rear Down In-use N/A On N/A 22 Unbeited Rear Down Stowed N/A On Suppressed 23 Unbeited Rear Upright In-use N/A On Suppressed 24 Unbeited Rear Upright Stowed N/A On Suppressed 25 225 Rear Down In-use None N/A N/A 26 225 Rear Down Stowed None N/A N/A 27 225 Rear Upright In-use None N/A N/A 28 225 Rear Upright Stowed None N/A N/A 29 225 Rear Upright Stowed None N/A N/A 30 225 Rear Down In-use On N/A N/A 31 226 Rear Upright In-use On N/A N/A 32 225 Rear Upright In-use On N/A N/A 33 225 Rear Upright In-use On N/A N/A 34 225 Rear Upright Stowed On N/A N/A 35 225 Rear Upright In-use On N/A N/A 36 225 Rear Upright In-use On N/A N/A 37 225 Rear Upright In-use On N/A N/A 38 225 Rear Upright Stowed On N/A N/A 39 225 Rear Upright Stowed On N/A N/A 30 225 Rear Upright In-use N/A On N/A 31 225 Rear Down In-use N/A On N/A 32 225 Rear Down In-use N/A On N/A 33 225 Rear Down Stowed N/A On N/A	17	Unbelted	Rear	Down	In-use	On	N/A	N/A
20 Unbelted Rear Upright Stowed On N/A Suppressed 21 Unbelted Rear Down In-use N/A On N/A 22 Unbelted Rear Down Stowed N/A On Suppressed 23 Unbelted Rear Upright In-use N/A On Suppressed 24 Unbelted Rear Upright Stowed N/A On Suppressed 25 225 Rear Down In-use None N/A N/A 26 225 Rear Down Stowed None N/A N/A 27 225 Rear Upright In-use None N/A N/A 28 225 Rear Upright Stowed None N/A N/A 29 225 Rear Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright In-use On N/A N/A 33 225 Rear Upright Stowed On N/A N/A 34 225 Rear Down In-use N/A On N/A 35 225 Rear Down In-use N/A On N/A 36 On N/A N/A 37 225 Rear Upright Stowed On N/A N/A 38 225 Rear Upright In-use N/A On N/A 39 225 Rear Down In-use N/A On N/A 30 N/A 31 225 Rear Down In-use N/A On N/A 32 225 Rear Down In-use N/A On N/A 33 225 Rear Down Stowed N/A On N/A	18	Unbelted	Rear	Down	Stowed	On .	N/A	Suppressed
21UnbeltedRearDownIn-useN/AOnN/A22UnbeltedRearDownStowedN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A28225RearUprightStowedNoneN/AN/A29225RearDownIn-useOnN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A32225RearDownIn-useN/AOnN/A34225RearDownStowedN/AOnN/A35225RearUprightIn-useN/AOnN/A	19	Unbelted	Rear	Upright	In-use	On	N/A	Suppressed
21UnbeltedRearDownIn-useN/AOnN/A22UnbeltedRearDownStowedN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A28225RearUprightStowedNoneN/AN/A29225RearDownIn-useOnN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A33225RearDownIn-useN/AOnN/A34225RearDownStowedN/AOnN/A35225RearUprightIn-useN/AOnN/A	20	Unbelted	Rear	Upright	Stowed	On	N/A	Suppressed
23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A28225RearUprightStowedNoneN/AN/A29225RearDownIn-useOnN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A32225RearUprightStowedOnN/AN/A34225RearDownIn-useN/AOnN/A35225RearUprightIn-useN/AOnN/A	21	Unbelted	Rear	Down	In-use	N/A	On	
24 Unbelted Rear Upright Stowed N/A On Suppressed 25 225 Rear Down In-use None N/A N/A 26 225 Rear Down Stowed None N/A N/A 27 225 Rear Upright In-use None N/A N/A 28 225 Rear Upright Stowed None N/A N/A 29 225 Roar Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Down In-use N/A On N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed	22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed
24 Unbelted Rear Upright Stowed N/A On Suppressed 25 225 Rear Down In-use None N/A N/A 26 225 Rear Down Stowed None N/A N/A 27 225 Rear Upright In-use None N/A N/A 28 225 Rear Upright Stowed None N/A N/A 29 225 Roar Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Down In-use N/A On N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed	23	Unbelted	Rear	Upright	In-use	N/A	On	Suppressed
25 225 Rear Down In-use None N/A N/A 26 225 Rear Down Stowed None N/A N/A 27 225 Rear Upright In-use None N/A N/A 28 225 Rear Upright Stowed None N/A N/A 29 225 Rear Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Down In-use N/A On N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use	24	Unbelted	Rear		Stowed	N/A	On	Suppressed
26 225 Rear Down Stowed None N/A N/A 27 225 Rear Upright In-use None N/A N/A 28 225 Rear Upright Stowed None N/A N/A 29 225 Rear Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A					In-use	None		
27 225 Rear Upright In-use None N/A N/A 28 225 Rear Upright Stowed None N/A N/A 29 225 Roar Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright Stowed On N/A N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A						None		
28 225 Rear Upright Stowed None N/A N/A 29 225 Roar Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright Stowed On N/A N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A	27	225		Upright	In-use	None	N/A	N/A
29 225 Roar Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright Stowed On N/A N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A						None		N/A
30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright Stowed On N/A N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A	29	225	Roar		In-use	On	N/A	N/A
31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright Stowed On N/A N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A								
32 225 Rear Upright Stowed On N/A N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A	-							
33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A	$\overline{}$							
34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A								
35 225 Rear Upright In-use N/A On N/A	$\overline{}$							
	36	225	Rear	Upright	Stowed	N/A	On	N/A

	Belted,	Rear	Handle	Sunshield*	Blanket⁵	Blanket*	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward ¹	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	N/A
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	N/A
43	Belted	Forward	Upright	In-use	On	N/A	N/A
44	Belted	Forward	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ^a	Down	Stowed	N/A	On	N/A
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward ⁵	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	N/A
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	N/A
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	N/A
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward"	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward ^a	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward*	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward ⁵	Upright	Stowed	N/A	On	N/A

- If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
 "Down" means the child restraint manufacturer's recommended position or there is no handle.
- 2 If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."
- 3 Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.
- 4 Blanket position 2 (S20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.
- 5 Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).)0.2 kg for
lines 6,7,8,11, and 12. 0.3kg for all other blanket positions. (S20.1.5)
Comments (Record any position readjustments or problems by first stating the row
number to which the comment applies.): The seat was 2 detents back from full forward.
The seat belt tension was 120.5 N for all belted positions

NHTSA No.	C30102	Test Date: _10/07/02	
Laboratory: _	VRTC	Test Technician(s): <u>C. Case</u> , B. Smith. G. Fout	_
Child Restra	int Name,	Model, Date of Manufacture: Britax Handle with Care	_
Base:On	Off X	N/A-Restraint does not have a removable base	
Seat Position	n:Re	armost, mid-height X_Mid-position, mid-height Foremost, mid-heig	jh
TL	- 1	<u>.</u>	

The	re was no he	eight adjusti	ment.				
	Belted,	Rear	Handle	Sunshield ⁻	Blanket ³	Blanket [*]	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
	225	facing	_				
1_	Belted	Rear	Down	In-use	None	N/A	N/A
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed
3	Belted	Rear	Upright	In-use	None	N/A	Suppressed
4	Belted	Rear	Upright	Stowed	None	N/A	Suppressed
5	Belted	Rear	Down	In-use	On	N/A	N/A
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed
7	Belted	Rear	Upright	In-use	On	N/A	Suppressed
8	Belted	Rear	Upright	Stowed	On	N/A	Suppressed
ð	Belted	Rear	Down	In-use	N/A	On	N/A
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed
11	Belted	Rear	Upright	In-use	N/A	On	Suppressed
12	Belted	Rear	Upright	Stowed	N/A	On	Suppressed
13	Unbelted	Rear	Down	In-use	None	N/A	N/A
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed
15	Unbelted	Rear	Upright	In-use	None	N/A	Suppressed
16	Unbelted	Rear	Upright	Slowed	None	N/A	Suppressed
17	Unbelted	Rear	Down	In-use	On	N/A	N/A
18	Unbelted	Rear	Down	Stowed	On .	N/A	Suppressed
19	Unbelted	Rear	Upright	In-use	On	N/A	Suppressed
20	Unbelted	Rear	Upright	Stowed	On	N/A	Suppressed
21	Unbelted	Rear	Down	In-use	N/A	On	N/A
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed
23	Unbelted	Rear	Upright	In-use	N/A	On	Suppressed
24	Unbelted	Rear	Upright	Stowed	N/A	On	Suppressed
25	225	Rear	Down	In-use	None	N/A	N/A
26	225	Rear	Down	Stowed	None	N/A	N/A
27	225	Rear	Upright	In-use	None	N/A	N/A
28	225	Rear	Upright	Stowed	None	N/A	N/A
29	225	Roar	Down	In-use	On	N/A	N/A
30	225	Rear	Down	Stowed	On	N/A	N/A
31	225	Rear	Upright	In-use	On	N/A	N/A
32	225	Rear	Upright	Stowed	On	N/A	N/A
33	225	Rear	Down	In-use	N/A	On	N/A
34	225	Rear	Down	Stowed	N/A	On	N/A
35	225	Rear	Upright	In-use	N/A	On	N/A
36	225	Rear	Upright	Stowed	N/A	On	N/A
	220	TOGI	Abudur	Stowed	Tun	VIII	13073

	A A A A A A
225 facing 37 Belted Forward Down In-use None N/A N/A 38 Belted Forward Down Stowed None N/A N/A 39 Belted Forward Upright In-use None N/A N/A 40 Belted Forward Upright Stowed None N/A N/A 41 Belted Forward Down In-use On N/A N/A 42 Belted Forward Down Stowed On N/A N/A 43 Belted Forward Upright In-use On N/A N/A 44 Belted Forward Upright In-use On N/A N/A 45 Belted Forward Down In-use N/A On N/A	A A A A A A A
37 Belted Forward Down In-use None N/A N/A 38 Belted Forward Down Stowed None N/A N/A 39 Belted Forward Upright In-use None N/A N/A 40 Belted Forward Down In-use On N/A N/A 41 Belted Forward Down In-use On N/A N/A 42 Belted Forward Down Stowed On N/A N/A 43 Belted Forward Upright In-use On N/A N/A 44 Belted Forward Upright In-use On N/A N/A 45 Belted Forward Down In-use N/A On N/A	A A A A A A
38BeltedForwardbDownStowedNoneN/AN/A39BeltedForwardbUprightIn-useNoneN/AN/A40BeltedForwardbUprightStowedNoneN/AN/A41BeltedForwardbDownIn-useOnN/AN/A42BeltedForwardbDownStowedOnN/AN/A43BeltedForwardbUprightIn-useOnN/AN/A44BeltedForwardbUprightStowedOnN/AN/A45BeltedForwardbDownIn-useN/AOnN/A	A A A A A A
39BeltedForwardUprightIn-useNoneN/AN/A40BeltedForwardUprightStowedNoneN/AN/A41BeltedForwardDownIn-useOnN/AN/A42BeltedForwardDownStowedOnN/AN/A43BeltedForwardUprightIn-useOnN/AN/A44BeltedForwardUprightStowedOnN/AN/A45BeltedForwardDownIn-useN/AOnN/A	A A A A A A
40BeltedForward**UprightStowedNoneN/AN/A41BeltedForward**DownIn-useOnN/AN/A42BeltedForward**DownStowedOnN/AN/A43BeltedForward**UprightIn-useOnN/AN/A44BeltedForward**UprightStowedOnN/AN/A45BeltedForward**DownIn-useN/AOnN/A	A A A A A
41BeltedForward DownIn-useOnN/AN/A42BeltedForward DownStowedOnN/AN/A43BeltedForward UprightIn-useOnN/AN/A44BeltedForward UprightStowedOnN/AN/A45BeltedForward DownIn-useN/AOnN/A	A A A A A
42BeltedForward5DownStowedOnN/AN/A43BeltedForward7UprightIn-useOnN/AN/A44BeltedForward5UprightStowedOnN/AN/A45BeltedForward5DownIn-useN/AOnN/A	A A A A
43BeltedForward*UprightIn-useOnN/AN/A44BeltedForward*UprightStowedOnN/AN/A45BeltedForward*DownIn-useN/AOnN/A	A A A
44BeltedForward DownUprightStowedOnN/AN/A45BeltedForward DownIn-useN/AOnN/A	A A A
45 Belted Forward ⁵ Down In-use N/A On N/A	A A
	A
46 Belted Forward" Down Stowed N/A On N/A	
	٨
47 Belted Forward ⁵ Upright In-use N/A On N/A	^
48 Belted Forward ⁵ Upright Stowed N/A On N/A	A
49 Unbelted Forward Down In-use None N/A N/A	A
50 Unbelted Forward Down Stowed None N/A N/A	A
51 Unbelted Forward Upright In-use None N/A N/A	A
52 Unbelted Forward Upright Stowed None N/A N/A	A
53 Unbelfed Forward Down In-use On N/A N/A	A
54 Unbelted Forward Down Stowed On N/A N/A	A
55 Unbelted Forward Upright In-use On N/A N/A	A
56 Unbelted Forward Upright Stowed On N/A N/A	A
57 Unbelted Forward Down In-use N/A On N/A	A
58 Unbelted Forward Down Stowed N/A On N/A	A
59 Unbelted Forward Upright In-use N/A On N/A	A
60 Unbetted Forward Upright Stowed N/A On N/A	A
61 225 Forward' Down In-use None N/A N/A	A
62 225 Forward ^b Down Stowed None N/A N/A	A
63 225 Forward ^b Upright In-use None N/A N/A	A
64 225 Forward" Upright Stowed None N/A N/A	A
65 225 Forward ⁵ Down In-use On N/A N/A	A
66 225 Forward ⁵ Down Stowed On N/A N/A	A
67 225 Forward' Upright In-use On N/A N/A	A
68 225 Forward Upright Stowed On N/A N/A	A
69 225 Forward ⁵ Down In-use N/A On N/A	A
70 225 Forward' Down Stowed N/A On N/A	A
71 225 Forward ⁵ Upright In-use N/A On N/A	A
72 225 Forward Upright Stowed N/A On N/A	

- If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
 "Down" means the child restraint manufacturer's recommended position or there is no handle.
- 2 If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."
- 3 Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.
- 4. Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.
- 5. Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).)0.3 kg	
(\$20.1.5)	
Comments (Record any position readjustments or problems by first stating the row	
number to which the comment applies.):	
The seat belt tension was 120.5 N for all belted positions	

NHTSA No.	C30102		_	Te	st Date	e: <u>10/07/02</u>	_
Laboratory:	VRTC		est Technician(s): _	C. Ca	se, B.	Smith, G. Fout	
Child Restra	int Name,	Model, Date of Man	ufacture: <u>Britax Ha</u>	ndle w	ith Car	e	
Base:On	Off X_	N/A-Restraint does	not have a remova	able ba	ise		
Seat Position	п: <u>х</u> Rea	armost, mid-height	Mid-position, mid	d-heigh	ıt	Foremost, mid-h	eight
	. .	' . ' '		~			~

_The	There was no height adjustment.							
	Belted,	Rear	Handle	Sunshield ⁻	Blanket ³	Blanket	Suppressed,	
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,	
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A	
1	225	facing	Danie	la con	None	B1/5	NI(A	
1	Belted	Rear	Down	In-use	None	N/A	N/A	
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed	
3	Belted	Rear	Upright	In-use	None	N/A	Suppressed	
4	Belted	Rear	Upright	Stowed	None	N/A	Suppressed	
5	Belted	Roar	Down	In-use	On	N/A	N/A	
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed	
7	Belted	Rear	Upright	In-use	On	N/A	Suppressed	
8	Belted	Rear	Upright	Stowed	On	N/A	Suppressed	
ð	Belted	Rear	Down	In-use	N/A	On	N/A	
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed	
1 1	Belted	Rear	Upright	In-use	N/A	On	Suppressed	
12	Belted	Rear	Upright	Stowed	N/A	On	Suppressed	
13	Unbelted	Rear	Down	In-use	None	N/A	N/A	
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed	
15	Unbelted	Rear	Upright	In-use	None	N/A	Suppressed	
16	Unbelted	Rear	Upright	Slowed	None	N/A	Suppressed	
17	Unbelted	Rear	Down	In-use	On	N/A	N/A	
18	Unbelted	Rear	Down	Stowed	On .	N/A	Suppressed	
19	Unbelted	Rear	Upright	In-use	On	N/A	Suppressed	
20	Unbelted	Rear	Upright	Stowed	On	N/A	Suppressed	
21	Unbelted	Rear	Down	In-use	N/A	On	N/A	
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed	
23	Unbelted	Rear	Upright	In-use	N/A	On	Suppressed	
24	Unbelted	Rear	Upright	Stowed	N/A	On	Suppressed	
25	225	Rear	Down	In-use	None	N/A	N/A	
26	225	Rear	Down	Stowed	None	N/A	N/A	
27	225	Rear	Upright	In-use	None	N/A	N/A	
28	225	Rear	Upright	Stowed	None	N/A	N/A	
29	225	Roar	Down	In-use	On	N/A	N/A	
30		Rear	Down	Stowed	On	N/A	N/A	
31	225	Rear	Upright	In-use	On	N/A	N/A	
32	225	Rear	Upright	Stowed	On	N/A	N/A	
33	225	Rear	Down	In-use	N/A	On	N/A	
34	225	Rear	Down	Stowed	N/A	On	N/A	
35	225	Rear	Upright	In-use	N/A	On	N/A	
36	225	Rear	Upright	Stowed	N/A	On	N/A	
	220	rtoai	- Prignt	CIOWOU	1477	1 211	13071	

	Belted,	Rear	Handle [*]	Sunshield*	Blanket ³	Blanket	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward ¹	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	N/A
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	N/A
43	Belted	Forward ²	Upright	In-use	On	N/A	N/A
44	Belted	Forward ⁵	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ^a	Down	Stowed	N/A	On	N/A
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward ⁵	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	N/A
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	N/A
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	N/A
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward ²	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward ^a	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward ²	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward ⁵	Upright	Stowed	N/A	On	N/A

If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
"Down" means the child restraint manufacturer's recommended position or there is no handle.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

³ Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.

^{4.} Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.

^{5.} Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).)0.3 kg	
(S20.1.5)	
Comments (Record any position readjustments or problems by first stating the rov	٧
number to which the comment applies.): The seat belt tension was 120.5 N for a	II belted
positions	

DATA SHEET 25
Test of Reactivation of the Passenger Air Bag System with an Unbelted 5th Percentile Female Dummy (S20.3, 22.3, S24.3)

NHTSA	No	C30102	Test Date:10/07/02
Laborat	tory:	VRTC	Test Technician(s): <u>C. Case, B. Smith, G. Fout</u>
			earward Mid position Full forward. (Use a separate sheet for each of the ested.) (\$20.3.1, 22.3.1, \$24.3.1)
Do NO	T use se	at belts f	or these tests.
1. <u>x</u>	Suppre After se the Brit Suppre After se Suppre (S22) After se Suppre	ssion To: ection 1 ax Handl ssion Te: ection ession Te: ection ession Te: ection ection ession Te:	ation test is being performed after the following suppression test: st Using 12-Month-Old CRABI Dummy (S20) of the data sheet (This was performed after all the belted suppression tests on e with Care in the rear, mid, and forward positions.) st Using Newborn Infant Dummy (S20) of the data sheet st Using 3-Year-Old Dummy and Booster Seats (S22) of the data sheet st Using 3-Year-Old Dummy and Forward Facing Convertible Child Restraints of the data sheet st Using an Unbelted 3-Year-Old Dummy (S22) of the data sheet
<u>-</u> -	Suppre After se Suppre After se	ssion To: ection ssion Te: ection	st Using 6 Year-Old-Dummy and Booster Seats (S24.2.1) of the data sheet st Using 6 Year-Old-Dummy (S24.2.1) of the data sheet
<u>X_</u> 2. <u>X_</u> 3.	would b	e for pos	n the position used for the suppression test. (Do NOT recline the seat back as it sitioning for a crash test.) by in the seat with the legs at an angle of 120 degrees to the thighs. The calves
<u>X_</u> 4.	Position	n the dun	uching the seat cushion. (\$16.3.3.1.2) hmy midsagittal plane vertical and coincident with the seating position centerline. \$16.3.3.1.4)
<u>X_</u> 5.	Hold do		lummy's thighs and push rearward on the upper torso to maximize the pelvic
<u>X</u> 6. <u>X</u> 7	Set the Set the to 6.7 in	angle be transver nches). (etween the legs and the thighs to 120 degrees. (\$16.3.3.1.6) se distance between the centers of the front of the knees at 160 to 170 mm (6.3.2) Center the knee separation with respect to the seat centerline. (\$16.3.3.1.6) eparation165.1 mm
<u>X_</u> 8.	Push recalvesPelv	earward o contact th vis contact	on the dummy's knees until the pelvis contacts the seal back, or the backs of the he seat cushion, whichever occurs first. (\$16.3.3.1.6) sted seaf back. Rected seat cushion.
<u>X_</u> 9.	Gently	rock the i	upper torso +/- 5 degrees (approximately 51 mm (2 inches)) side to side three the friction between the dummy and the seat. (S16.3.3.1.7)
<u>N/A</u> 10.	If need	ed, exten	id the legs until the feet do not contact the floor pan. The thighs should be resting nion. (\$16.3.3.1.8)
<u>X_</u> 11.	If the de (0.2 incontact X_ N/A	ummy co thes) is ac to (\$16.3. A No cont army conta	ntacts the interior move the seat rearward until a maximum clearance of 5 mm chieved or the seat is in the closest detent position which does not cause dummy .3.1.8) tact act. Clearance set at maximum of 5mm
	Dun		ed Clearance mm tactSeat set at nearest detent position.

Seat position detent positions rearwa	id of idificityald
(full forward is position zero)	
Verify the pelvis is not interfering with the seat big	ht. (S16.3.3.1.9)
Verify the dummy abdomen is properly installed.	(\$16.3.3.1.9)
Measure and set the pelvic angle using the pelvic	angle gage TE-2504. The pelvic angle should
be 20.0 degrees +/- 2.5 degrees. If the p	elvic angle cannot be set to 20 degrees,
minimize the angular difference. (\$16.3.3.1.11)	
X Pelvic angle set to 20.0 degrees +/- 2.5 degre	PS.
Pelvic angle of 20.0 degrees not achieved, the	angular difference was minimized.
X Record the pelvic angle. 21.4 degr	ees
Check the dummy for contact with the interior after	r completing adjustments. (S16.3.3.1.12)
X No contact.	
Dummy in contact with interior.	
Seat moved Aft mm from the prev	ious position.
Seat moved Aft detent positions fi	om the previous position.
Foot positioning. (Indicate final position achieved)	(\$16.3.3.2)
16.1 Place feet flat on the toe board. OR	
X 16.2 If the feet will not cannot be placed flat or	the toe board, set the feet perpendicular to the
lower leg, and rest the heel as far forward on the	floor pan as possible. OR
16.3 If the heels do not touch the floor pan, set	the legs to vertical and set the feet parallel to
the floor pan	
Passenger arm/hand positioning. (\$16.3.3.3)	
X_17.1 Place the dummy's upper arms adjacent	to the torso with the arm centerlines as close to
a vertical longitudinal plane as possible. (\$16.3.2)	3.1)
X_17.2 Place the palms of the dummy in contact	with the outer part of the thighs (\$16.3.3.3.2)
X 17.3 Place the little fingers in contact with the	seat cushion. (\$16.3.3.3.3)
	,,
•	
se, B. Smith. G. Fout	10/07/02
that I have read and performed each instruction.	Date
	(full forward is position zero) Verify the pelvis is not interfering with the seat big Verify the dummy abdomen is properly installed. Measure and set the pelvic angle using the pelvic be 20.0 degrees +/- 2.5 degrees. If the period in the angular difference. (\$16.3.3.1.11) X Pelvic angle set to 20.0 degrees +/- 2.5 degreed Pelvic angle of 20.0 degrees not achieved, the X Record the pelvic angle. 21.4 degree Check the dummy for contact with the interior after X No contact. Dummy in contact with interior. Seat moved Aft detent positions for Foot positioning. (Indicate final position achieved) 16.1 Place feet flat on the toe board. OR X 16.2 If the feet will not cannot be placed flat or lower leg. and rest the heel as far forward on the top 16.3 If the heels do not touch the floor pan, set

NHTSA No.	C30102	Test Date:10/07/02
Laboratory: _	VRTC	Test Technician(s): <u>C. Case, B. Smith. G. Fout</u>
		Model, Date of Manufacture: Evenflo First Choice
Base:On	Off X	N/A-Restraint does not have a removable base
Seat Position	n: Re	armost, mid-height $\underline{\hspace{0.4cm}}$ Mid-position, mid-height $\underline{\hspace{0.4cm}}$ Foremost, mid-heigh
There were	- la - i - i - t	division and

<u> ine</u>	re was no he	eignt aajusti					
	Belted,	Rear	Handle	Sunshield ⁻	Blanket ³	Blanket	Suppressed,
	Unbelted,	facing.	(\$20.1.3)	(\$20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
1	225 Belted	facing	Down	In	None	N/A	MICA
1		Rear	Down	In-use	None		N/A
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed
3	Belted	Rear	Upright	In-use	None	N/A	N/A
4	Belted	Rear	Upright	Stowed	None	N/A	Suppressed
5	Belted	Roar	Down	In-use	On	N/A	N/A
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed
7	Belted	Rear	Upright	In-use	On	N/A	N/A
8	Belted	Rear	Upright	Stowed	On	N/A	Suppressed
ð	Belted	Rear	Down	In-use	N/A	On	N/A
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed
1 1	Belted	Rear	Upright	In-use	N/A	On	N/A
12	Belted	Rear	Upright	Stowed	N/A	On	Suppressed
13	Unbelted	Rear	Down	In-use	None	N/A	N/A
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed
15	Unbelted	Rear	Upright	In-use	None	N/A	N/A
16	Unbelted	Rear	Upright	Slowed	None	N/A	Suppressed
17	Unbelted	Rear	Down	In-use	On	N/A	N/A
18	Unbelted	Rear	Down	Stowed	On	N/A	Suppressed
19	Unbelted	Rear	Upright	In-use	On	N/A	N/A
20	Unbelted	Rear	Upright	Stowed	On	N/A	Suppressed
21	Unbelted	Rear	Down	In-use	N/A	Ori	N/A
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed
23	Unbelted	Rear	Upright	In-use	N/A	On	N/A
24	Unbelted	Rear	Upright	Stowed	N/A	On	Suppressed
25	225	Rear	Down	In-use	None	N/A	N/A
26	225	Rear	Down	Stowed	None	N/A	N/A
27	225	Rear	Upright	In-use	None	N/A	N/A
28	225	Rear	Upright	Stowed	None	N/A	N/A
29	225	Roar	Down	In-use	On	N/A	N/A
30	225	Rear	Down	Stowed	On	N/A	N/A
31	225	Rear	Upright	In-use	On	N/A	N/A
32	225	Rear	Upright	Stowed	On	N/A	N/A
33	225	Rear	Down	In-use	N/A	On	N/A
34	225	Rear	Down	Stowed	N/A	On	N/A
35	225	Rear	Upright	In-use	N/A	On	N/A
36	225	Rear	Upright	Stowed	N/A	On	N/A
36	225	Rear	Opright	Stowed	N/A	l Ou	N/A

Unbelted, facing, FMVSS Forward Forward Forward Forward Forward Forward Down In-use None N/A Belted Forward Down Stowed None N/A Belted Forward Upright In-use None N/A Belted Forward Down In-use None N/A Upright In-use None N/A Belted Forward Down In-use None N/A Belted Forward Down In-use None N/A Belted Forward Down In-use On N/A Belted Forward Down Stowed On N/A Belted Forward Down Stowed On N/A Upright In-use On N/A Belted Forward Down Stowed On N/A Upright In-use On N/A	5(b)) Or N/A N/A N/A N/A N/A N/A N/A N/A
225 facing	N/A N/A N/A N/A N/A N/A N/A N/A N/A
37 Belted Forward ¹ Down In-use None N/A 38 Belted Forward ⁵ Down Stowed None N/A 39 Belted Forward ⁵ Upright In-use None N/A 40 Belted Forward ⁵ Upright Stowed None N/A 41 Belted Forward ⁵ Down In-use On N/A 42 Belted Forward ⁵ Down Stowed On N/A 43 Belted Forward ⁵ Upright In-use On N/A	N/A N/A N/A N/A N/A N/A N/A
38BeltedForwardbDownStowedNoneN/A39BeltedForwardbUprightIn-useNoneN/A40BeltedForwardbUprightStowedNoneN/A41BeltedForwardbDownIn-useOnN/A42BeltedForwardbDownStowedOnN/A43BeltedForwardbUprightIn-useOnN/A	N/A N/A N/A N/A N/A N/A N/A
39BeltedForward*UprightIn-useNoneN/A40BeltedForward*UprightStowedNoneN/A41BeltedForward*DownIn-useOnN/A42BeltedForward*DownStowedOnN/A43BeltedForward*UprightIn-useOnN/A	N/A N/A N/A N/A N/A N/A
40BeltedForward¹ UprightStowedNoneN/A41BeltedForward⁵ DownIn-useOnN/A42BeltedForward⁵ DownStowedOnN/A43BeltedForward⁵ UprightIn-useOnN/A	N/A N/A N/A N/A N/A N/A
41BeltedForward5DownIn-useOnN/A42BeltedForward5DownStowedOnN/A43BeltedForward5UprightIn-useOnN/A	N/A N/A N/A N/A N/A
42BeltedForward ⁵ DownStowedOnN/A43BeltedForward ⁵ UprightIn-useOnN/A	N/A N/A N/A N/A
43 Belted Forward' Upright In-use On N/A	N/A N/A N/A
	N/A N/A
44 Belted Forward ⁶ Upright Stowed On N/A	N/A
45 Belted Forward ⁵ Down In-use N/A On	B 1/A
46 Belted Forward" Down Stowed N/A On	N/A
47 Belted Forward ⁵ Upright In-use N/A On	N/A
48 Belted Forward Upright Stowed N/A On	N/A
49 Unbelted Forward Down In-use None N/A	N/A
50 Unbelted Forward Down Stowed None N/A	N/A
51 Unbelted Forward Upright In-use None N/A	N/A
52 Unbelted Forward Upright Stowed None N/A	N/A
53 Unbelfed Forward Down In-use On N/A	N/A
54 Unbelted Forward Down Stowed On N/A	N/A
55 Unbelted Forward Upright In-use On N/A	N/A
56 Unbelted Forward Upright Stowed On N/A	N/A
57 Unbelted Forward Down In-use N/A On	N/A
58 Unbelted Forward Down Stowed N/A On	N/A
59 Unbelted Forward Upright In-use N/A On	N/A
60 Unbelted Forward Upright Stowed N/A On	N/A
61 225 Forward' Down In-use None N/A	N/A
62 225 Forward ^b Down Stowed None N/A	N/A
63 225 Forward ⁵ Upright In-use None N/A	N/A
64 225 Forward' Upright Stowed None N/A	N/A
65 225 Forward ⁵ Down In-use On N/A	N/A
66 225 Forward ⁵ Down Stowed On N/A	N/A
67 225 Forward' Upright In-use On N/A	N/A
68 225 Forward ⁵ Upright Stowed On N/A	N/A
69 225 Forward ⁵ Down In-use N/A On	N/A
70 225 Forward' Down Stowed N/A On	N/A
71 225 Forward ⁵ Upright In-use N/A On	N/A
72 225 Forward Upright Stowed N/A On	N/A

- If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
 "Down" means the child restraint manufacturer's recommended position or there is no handle.
- 2 If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."
- 3 Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.
- 4. Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.
- 5. Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies.): The seat belt tension was 66.2 N for all belted positions. Rows 2.6, & 10 the seat was 13 detents back from full forward. Rows 4, 8, & 12 the seat was 2 detents back from full forward. Rows 14, 18, & 22 the seat was 16 detents back from full forward. Rows 16, 20, & 24 the seat was 7 detents back from full forward.

NHTSA No.	C30102			Test Date	e: 10/07/02
Laboratory:	VRTC		Test Technician(s):	C. Case, B.	Smith, G. Fout
Child Restra	int Name,	Model, Date of I	Manufacture: Evenflo f	First Choice	
Base:On	Off X	_N/A-Restraint d	loes not have a remov	able base	
Seat Position	n: Re	armost, mid-heig	ght X_Mid-position, n	nid-height	_ Foremost, mid-heigh
There was n					_

The	There was no height adjustment.							
	Belted,	Rear	Handle	Sunshield ⁻	Blanket ³	Blanket [*]	Suppressed,	
	Unbelted,	facing,	(S20.1.3)	(\$20.1.4)	Position 1	Position 2	FAIL,	
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A	
	225	facing		1	None	B 1 / B	51/4	
1	Belted	Rear	Down	In-use	None	N/A	N/A	
2	Belted	Rear	Down	Stowed	None	N/A	N/A	
3	Belted	Rear	Upright	In-use	None	N/A	N/A	
4	Belted	Rear	Upright	Stowed	None	N/A	Suppressed	
5	Belted	Roar	Down	In-use	On	N/A	N/A	
6	Belted	Rear	Down	Stowed	On	N/A	N/A	
7	Belted	Rear	Upright	In-use	On	N/A	N/A	
8	Belted	Rear	Upright	Stowed	On	N/A	Suppressed	
â	Belted	Rear	Down	In-use	N/A	On	N/A	
10	Belted	Rear	Down	Stowed	N/A	On	N/A	
1 1	Belted	Rear	Upright	In-use	N/A	On	N/A	
12	Belted	Rear	Upright	Stowed	N/A	On	Suppressed	
13	Unbelted	Rear	Down	In-use	None	N/A	N/A	
14	Unbelted	Rear	Down	Stowed	None	N/A	N/A	
15	Unbelted	Rear	Upright	In-use	None	N/A	N/A	
16	Unbelted	Rear	Upright	Slowed	None	N/A	Suppressed	
17	Unbelted	Rear	Down	In-use	On	N/A	N/A	
18	Unbelted	Rear	Down	Stowed	On	N/A	N/A	
19	Unbelted	Rear	Upright	In-use	On	N/A	N/A	
20	Unbelted	Rear	Upright	Stowed	On	N/A	Suppressed	
21	Unbelted	Rear	Down	In-use	N/A	On	N/A	
22	Unbelfed	Rear	Down	Stowed	N/A	On	N/A	
23	Unbelted	Rear	Upright	In-use	N/A	On	N/A	
24	Unbelted	Rear	Upright	Stowed	N/A	On	Suppressed	
25	225	Rear	Down	In-use	None	N/A	N/A	
26	225	Rear	Down	Stowed	None	N/A	N/A	
27	225	Rear	Upright	In-use	None	N/A	N/A	
28	225	Rear	Upright	Stowed	None	N/A	N/A	
29	225	Roar	Down	In-use	On	N/A	N/A	
	225	Rear	Down	Stowed	On	N/A	N/A	
31	225	Rear	Upright	In-use	On	N/A	N/A	
32	225	Rear	Upright	Stowed	On	N/A	N/A	
33	225	Rear	Down	In-use	N/A	On	N/A	
34	225	Rear	Down	Stowed	N/A	On	N/A	
35	225	Rear	Upright	In-use	N/A	On	N/A	
36	225	Rear	Upright	Stowed	N/A	On	N/A	
-00	LEV	ivoai	Obudin	Stowed	14174	VIII	13071	

	Belted,	Rear	Handle	Sunshield*	Blanket⁵	Blanket*	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward ¹	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	N/A
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	N/A
43	Belted	Forward	Upright	In-use	On	N/A	N/A
44	Belted	Forward	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ^a	Down	Stowed	N/A	On	N/A
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward ⁵	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	N/A
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	N/A
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	N/A
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward"	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward ^a	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward*	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward ⁵	Upright	Stowed	N/A	On	N/A

¹ If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright." "Down" means the child restraint manufacturer's recommended position or there is no handle.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

³ Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.

^{4.} Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.

^{5.} Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies.): <u>The seat belt tension was 66.2 N for all belted positions.</u>

Rows 2, 6, and 10 are N/A because with the handle down the seat was 2 detents behind the mid-position which was almost the same as the full forward tests for these configurations.

Rows 14, 18 and 22 are N/A because the handle contacts the instrument panel.

NHTSA No	C30102	Test Date: _10/07-08/02
Laboratory: _	VRTC	Test Technician(s): <u>C. Case, B. Smith. G. Fout</u>
Child Restrai	int Name,	Model, Date of Manufacture: Evenflo First Choice
Base:On	Off X	N/A-Restraint does not have a removable base
Seat Position	n: <u>X</u> Re	armost, mid-heightMid-position, mid-height Foremost, mid-height
There were by	o haiaht a	diustment

_The	re was no he	eight adjusti	ment.				
	Belted,	Rear	Handle	Sunshield ⁻	Blanket ³	Blanket	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
_	225	facing	Davis	la cas	Nana	B125	A1/A
1	Belted	Rear	Down	In-use	None	N/A	N/A
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed
3	Belted	Rear	Upright	In-use	None	N/A	N/A
4	Belted	Rear	Upright	Stowed	None	N/A	Suppressed
5	Bolted	Roar	Down	In-use	On	N/A	N/A
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed
7	Belted	Rear	Upright	In-use	On	N/A	N/A
8	Belted	Rear	Upright	Stowed	On	N/A	Suppressed
9	Belted	Rear	Down	In-use	N/A	On	N/A
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed
1 1	Belted	Rear	Upright	In-use	N/A	On	N/A
12	Belted	Rear	Upright	Stowed	N/A	On	Suppressed
13	Unbelted	Rear	Down	In-use	None	N/A	N/A
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed
15	Unbelted	Rear	Upright	In-use	None	N/A	N/A
16	Unbelted	Rear	Upright	Slowed	None	N/A	Suppressed
17	Unbelted	Rear	Down	In-use	On	N/A	N/A
18	Unbelted	Rear	Down	Stowed	On .	N/A	Suppressed
19	Unbelted	Rear	Upright	In-use	On	N/A	N/A
20	Unbelted	Rear	Upright	Stowed	On	N/A	Suppressed
21	Unbelted	Rear	Down	In-use	N/A	On	N/A
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed
23	Unbelted	Rear	Upright	In-use	N/A	On	N/A
24	Unbelted	Rear	Upright	Stowed	N/A	On	Suppressed
25	225	Rear	Down	In-use	None	N/A	N/A
26	225	Rear	Down	Stowed	None	N/A	N/A
27	225	Rear	Upright	In-use	None	N/A	N/A
28	225	Rear	Upright	Stowed	None	N/A	N/A
29	225	Roar	Down	In-use	On	N/A	N/A
30		Rear	Down	Stowed	On	N/A	N/A
31	225	Rear	Upright	In-use	On	N/A	N/A
32	225	Rear	Upright	Stowed	On	N/A	N/A
33	225	Rear	Down	In-use	N/A	On	N/A
34	225	Rear	Down	Stowed	N/A	On	N/A
35	225	Rear	Upright	In-use	N/A	On	N/A
36	225	Rear	Upright	Stowed	N/A	On	N/A
-00	220	TOGI	Obudur	Siswou	14171	- VIII	13073

	Belted,	Rear	Handle	Sunshield ²	Blanket⁵	Blanket	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(\$20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward ¹	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	N/A
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	N/A
43	Belted	Forward	Upright	In-use	On	N/A	N/A
44	Belted	Forward	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ²	Down	Stowed	N/A	On	N/A
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward ⁵	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	N/A
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	N/A
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	N/A
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward"	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward ^a	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward ²	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward"	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward ⁵	Upright	Stowed	N/A	On	N/A

¹ If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright." "Down" means the child restraint manufacturer's recommended position or there is no handle.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

³ Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.

^{4.} Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.

^{5.} Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).) _____0.3 kg

(\$20.1.5)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies.): The seat belt tension was 66.2 N for all belted positions.

DATA SHEET 25
Test of Reactivation of the Passenger Air Bag System with an Unbelted 5th Percentile Female Dummy (S20.3, 22.3, S24.3)

NHTSA	\ No	C30102	Test Date:10/08/02
Laborat	tory:	VRTC	Test Technician(s): <u>C. Case, B. Smith, G. Fout</u>
			earward \underline{X} Mid position $\underline{}$ Full forward. (Use a separate sheet for each of the ested.) (S20.3.1, 22.3.1, S24.3.1)
Do NO	Tuse s	eat belts f	or these tests.
2. <u>X</u>	Suppri After's Suppri After's Suppri (\$22) After's Suppri After's Suppri After's	ession To: ession Te:	ation test is being performed after the following suppression test: st Using 12-Month-Old CRABI Dummy (S20) of the data sheet st Using Newborn Infant Dummy (S20) of the data sheet st Using 3-Year-Old Dummy and Booster Seats (S22) of the data sheet st Using 3-Year-Old Dummy and Forward Facing Convertible Child Restraints of the data sheet st Using an Unbelted 3-Year-Old Dummy (S22) of the data sheet st Using 6 Year-Old-Dummy and Booster Seats (S24.2.1) of the data sheet st Using 6 Year-Old-Dummy and Booster Seats (S24.2.1) of the data sheet
	After s Leave	ection the seat i	of the data sheet in the position used for the suppression test. (Do NOT recline the seat back as it
<u>X_</u> 3.	Place	the dumm	silioning for a crash test.) by in the seat with the legs at an angle of 120 degrees to the thighs. The calves auching the seat cushion. (S16.3.3.1.2)
<u>X_</u> 4.	Positio	n the dun	nmy midsagittal plane vertical and coincident with the seating position centerline. \$16.3.3.1.4)
<u>X_</u> 5.	Hold d		lummy's thighs and push rearward on the upper torso to maximize the pelvic
<u>X</u> 6. <u>X</u> 7	Set the Set the to 6.7	e angl <mark>e</mark> be c transver inches). (etween the legs and the thighs to 120 degrees. (\$16.3.3.1.6) so distance between the centers of the front of the knees at 160 to 170 mm (6.3 Center the knee separation with respect to the seat centerline. (\$16.3.3.1.6)
<u>X_</u> 8.	Push r calves Pel	rearward d contact th lvis contact	eparation162.6 mm on the dummy's knees until the pelvis contacts the seat back, or the backs of the he seat cushion, whichever occurs first. (S16.3.3.1.6) eted seat back. eted seat cushion.
<u>X_</u> 9.	Gently	rock the i	upper torso +/- 5 degrees (approximately 51 mm (2 inches)) side to side three the friction between the dummy and the seat. (\$16.3.3.1.7)
<u>N/A</u> 10.	If need	ded, exten	id the legs until the feet do not contact the floor pan. The thighs should be restingtion. (\$16.3.3.1.8)
<u>X_</u> 11.	If the ((0.2 in contact X_ N/ Dur	dummy co ches) is a ct. (S16.3. A No cont mmy cont Measure	ntacts the interior move the seat rearward until a maximum clearance of 5 mm chieved or the seat is in the closest detent position which does not cause dummy .3.1.8) tact act. Clearance set at maximum of 5mm ed Clearance mm
	Du	mmy Cont	tact. Seat set at nearest detent position. sitiondetent positions reanward of full forward.

X_12. X_13	(full forward is position zero) Verify the pelvis is not interfering with the seat big Verify the dummy abdomen is properly installed.	
X 14.	Measure and set the pelvic angle using the pelvic	angle gage TE-2504. The pelvic angle should
	be 20.0 degrees +/- 2.5 degrees. If the pelvic and angular difference. (S16.3.3.1.11)	gle cannot be set to 20 degrees, minimize the
	X_Pelvic angle set to 20.0 degrees +/- 2.5 degre	es
	Pelvic angle of 20.0 degrees not achieved, the	
	X Record the pelvic angle. 21.2 degr	
<u>X_</u> 15.	Check the dummy for contact with the interior after X No contact.	er completing adjustments. (\$16.3.3.1.12)
	Dummy in contact with interior.	
	Seat moved Aft mm from the prev	ious position.
	Seat moved Aft detent positions f	rom the previous position.
X_16		
	16.1 Place feet flat on the toe board. OR	
	X_16.2 If the feet will not cannot be placed flat or	i the toe board, set the feet perpendicular to the
	lower leg, and rest the heel as far forward on the	floor pan as possible. OR
	16.3 If the heels do not touch the floor pan, se	t the legs to vertical and set the feet parallel to
	the floor pan.	
<u>X_</u> 17.	Passenger arm/hand positioning. (\$16.3.3.3)	
	X_17.1 Place the dummy's upper arms adjacent a vertical longitudinal plane as possible. (\$16.3.2)	
	X_17.2 Place the palms of the dummy in contact	
	X_17.3 Place the little fingers in contact with the	
<u>X</u> 18.		
<u> </u>	suppression system, and close all vehicle doors.	
	whether the air bag is suppressed. (\$22.2.1.8)	(OZZ.Z.T.T) Wait to sociolos, and mon official
	Air Bag Suppressed – FAIL	
	X Air Bag Not Suppressed – Pass	
X 19.	Return the ignition switch to the "off" position.	
_	•	
C. Ca	se, B. Smith, G. Fout	10/07/02
	that I have read and performed each instruction.	Date

NHTSA No.,	C30102	Test Date: <u>10/08/02</u>
Laboratory:	VRTC	Test Technician(s): <u>C. Case, B. Smith. G. Fout</u>
		Model, Date of Manufacture: Graco Snug Ride (Infant 8457)
Base: X_On	Off _	N/A-Restraint does not have a removable base
Seat Position	n: <u>X</u> Re	armost, mid-heightMid-position, mid-height Foremost, mid-heigh
There were n	o haiaht a	diustment

Unbelted, facing, FAVSS Forward facing GS0.1.3) (S20.1.4) Position 1 (S20.1.5(a)) (S20.1.5(b)) (S20.1.5(b)) (S20.1.5(b)) Or N/A Suppressed Down In-use None N/A Suppressed Selted Rear Down In-use None N/A Suppressed Sup	_The	There was no height adjustment.							
Belted Rear Down In-use None N/A Suppressed		Unbelted, FMVSS	facing, Forward	Handle [*] (S20.1.3)	Sunshield ² (\$20.1.4)	l .	Position 2	FAIL,	
2 Belted Rear Down Stowed None N/A Suppressed 3 Belted Rear Upright In-use None N/A Suppressed 4 Belted Rear Upright Stowed None N/A Suppressed 5 Bolted Rear Down In-use On N/A Suppressed 6 Belted Rear Down Stowed On N/A Suppressed 7 Belted Rear Upright In-use On N/A Suppressed 8 Belted Rear Down In-use N/A On Suppressed 10 Belted Rear Down Stowed N/A On Suppressed 11 Belted Rear Down In-use N/A On Suppressed 12 Belted Rear Down In-use None N/A Suppressed 12	1			Down	In-use	None	N/A	Suppressed	
Belted Rear Upright In-use None N/A Suppressed									
4 Belted Rear Upright Stowed None N/A Suppressed 5 Belted Rear Down In-use On N/A Suppressed 6 Belted Rear Down Stowed On N/A Suppressed 7 Belted Rear Upright In-use On N/A Suppressed 8 Belted Rear Upright Stowed On N/A On Suppressed 9 Belted Rear Down In-use N/A On Suppressed 10 Belted Rear Upright In-use N/A On Suppressed 11 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright In-use None N/A Suppressed 13 Unbelted Rear Down In-use None N/A Suppressed								' '	
Solition	$\overline{}$								
6 Belted Rear Down Stowed On N/A Suppressed 7 Belted Rear Upright In-use On N/A Suppressed 8 Belted Rear Upright Stowed On N/A Suppressed 10 Belted Rear Down In-use N/A On Suppressed 11 Belted Rear Down Stowed N/A On Suppressed 12 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright In-use None N/A Suppressed 13 Unbelted Rear Down In-use None N/A Suppressed 14 Unbelted Rear Upright In-use None N/A Suppressed 15 Unbelted Rear Upright Slowed None N/A Suppressed									
7BeltedRearUprightIn-useOnN/ASuppressed8BeltedRearUprightStowedOnN/ASuppressed9BeltedRearDownIn-useN/AOnSuppressed10BeltedRearDownStowedN/AOnSuppressed11BeltedRearUprightIn-useN/AOnSuppressed12BeltedRearUprightStowedN/AOnSuppressed13UnbeltedRearDownIn-useNoneN/ASuppressed14UnbeltedRearDownStowedNoneN/ASuppressed15UnbeltedRearUprightIn-useNoneN/ASuppressed16UnbeltedRearUprightSlowedNoneN/ASuppressed17UnbeltedRearDownIn-useOnN/ASuppressed18UnbeltedRearDownStowedOnN/ASuppressed20UnbeltedRearUprightIn-useOnN/ASuppressed21UnbeltedRearDownStowedN/AOnSuppressed22UnbeltedRearDownStowedN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOn <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
8 Belted Rear Upright Stowed On N/A Suppressed 9 Belted Rear Down In-use N/A On Suppressed 10 Belted Rear Down Stowed N/A On Suppressed 11 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright Stowed N/A On Suppressed 12 Belted Rear Upright Stowed N/A On Suppressed 13 Unbelted Rear Down Stowed None N/A Suppressed 14 Unbelted Rear Down Stowed None N/A Suppressed 15 Unbelted Rear Down In-use On N/A Suppressed 16 Unbelted Rear Down Stowed On N/A Suppressed<									
9 Belted Rear Down In-use N/A On Suppressed 10 Belted Rear Down Stowed N/A On Suppressed 11 Belted Rear Upright In-use N/A On Suppressed 12 Belted Rear Upright Stowed N/A On Suppressed 13 Unbelted Rear Down In-use None N/A Suppressed 14 Unbelted Rear Down Stowed None N/A Suppressed 15 Unbelted Rear Upright In-use None N/A Suppressed 16 Unbelted Rear Upright In-use None N/A Suppressed 17 Unbelted Rear Upright Stowed None N/A Suppressed 18 Unbelted Rear Down In-use On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 19 Unbelted Rear Upright In-use On N/A Suppressed 20 Unbelted Rear Upright Stowed On N/A Suppressed 21 Unbelted Rear Upright Stowed On N/A Suppressed 22 Unbelted Rear Upright In-use N/A On Suppressed 23 Unbelted Rear Down Stowed N/A On Suppressed 24 Unbelted Rear Down Stowed N/A On Suppressed 25 Unbelted Rear Upright In-use N/A On Suppressed 26 Unbelted Rear Upright Stowed N/A On Suppressed 27 Unbelted Rear Upright In-use N/A On Suppressed 28 Unbelted Rear Upright In-use N/A On Suppressed 29 Unbelted Rear Upright Stowed N/A On Suppressed 20 Unbelted Rear Upright Stowed N/A On Suppressed 20 Unbelted Rear Upright Stowed N/A On Suppressed 21 Unbelted Rear Upright Stowed N/A On Suppressed 22 Unbelted Rear Upright Stowed N/A On Suppressed 23 Unbelted Rear Upright Stowed None N/A N/A 26 225 Rear Down In-use None N/A N/A 27 225 Rear Upright Stowed None N/A N/A 30 225 Rear Upright In-use On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright In-use On N/A N/A 33 225 Rear Upright In-use On N/A N/A 34 225 Rear Down In-use N/A On N/A 35 225 Rear Upright In-use N/A On N/A 36 225 Rear Upright In-use N/A On N/A 37 225 Rear Upright In-use N/A On N/A 38 225 Rear Upright In-use N/A On N/A 39 225 Rear Down In-use N/A On N/A	_							· · ·	
Belted Rear Down Stowed N/A On Suppressed								' '	
11BeltedRearUprightIn-useN/AOnSuppressed12BeltedRearUprightStowedN/AOnSuppressed13UnbeltedRearDownIn-useNoneN/ASuppressed14UnbeltedRearDownStowedNoneN/ASuppressed15UnbeltedRearUprightIn-useNoneN/ASuppressed16UnbeltedRearUprightIn-useNoneN/ASuppressed17UnbeltedRearDownIn-useOnN/ASuppressed18UnbeltedRearDownStowedOnN/ASuppressed19UnbeltedRearUprightIn-useOnN/ASuppressed20UnbeltedRearUprightStowedOnN/AOnSuppressed21UnbeltedRearDownIn-useN/AOnSuppressed22UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightIn-useN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A29225RearDownStowedNoneN/AN/A<	$\overline{}$								
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13UnbeltedRearDownIn-useNoneN/ASuppressed14UnbeltedRearDownStowedNoneN/ASuppressed15UnbeltedRearUprightIn-useNoneN/ASuppressed16UnbeltedRearUprightStowedNoneN/ASuppressed17UnbeltedRearDownIn-useOnN/ASuppressed18UnbeltedRearDownStowedOnN/ASuppressed19UnbeltedRearUprightIn-useOnN/ASuppressed20UnbeltedRearUprightStowedOnN/ASuppressed21UnbeltedRearDownIn-useN/AOnSuppressed22UnbeltedRearUprightIn-useN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightStowedNoneN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A32 <t< td=""><td>12</td><td>Belted</td><td>Rear</td><td></td><td>Stowed</td><td>N/A</td><td>On</td><td>' '</td></t<>	12	Belted	Rear		Stowed	N/A	On	' '	
15UnbeltedRearUprightIn-useNoneN/ASuppressed16UnbeltedRearUprightStowedNoneN/ASuppressed17UnbeltedRearDownIn-useOnN/ASuppressed18UnbeltedRearDownStowedOnN/ASuppressed19UnbeltedRearUprightIn-useOnN/ASuppressed20UnbeltedRearUprightStowedOnN/ASuppressed21UnbeltedRearDownIn-useN/AOnSuppressed22UnbeltedRearDownStowedN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A29225RearDownIn-useOnN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A32225RearDownIn-useN/AOnN/A34225RearDown	13	Unbelted	Rear	Down	In-use	None	N/A		
16UnbeltedRearUprightSlowedNoneN/ASuppressed17UnbeltedRearDownIn-useOnN/ASuppressed18UnbeltedRearDownStowedOnN/ASuppressed19UnbeltedRearUprightIn-useOnN/ASuppressed20UnbeltedRearUprightStowedOnN/ASuppressed21UnbeltedRearDownIn-useN/AOnSuppressed22UnbeltedRearDownStowedN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A28225RearUprightStowedNoneN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A32225RearDownIn-useN/AOnN/A34225RearDownStowedN/AOnN/A35225RearDownSto	14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed	
17UnbeltedRearDownIn-useOnN/ASuppressed18UnbeltedRearDownStowedOnN/ASuppressed19UnbeltedRearUprightIn-useOnN/ASuppressed20UnbeltedRearUprightStowedOnN/ASuppressed21UnbeltedRearDownIn-useN/AOnSuppressed22UnbeltedRearDownStowedN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A28225RearUprightIn-useNoneN/AN/A29225RearDownIn-useOnN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A32225RearDownIn-useN/AOnN/A34225RearDownStowedN/AOnN/A35225RearUprightIn-useN/AOnN/A	15	Unbelted	Rear	Upright	In-use	None	N/A	Suppressed	
18UnbeltedRearDownStowedOnN/ASuppressed19UnbeltedRearUprightIn-useOnN/ASuppressed20UnbeltedRearUprightStowedOnN/AOnSuppressed21UnbeltedRearDownIn-useN/AOnSuppressed22UnbeltedRearUprightIn-useN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A28225RearUprightStowedNoneN/AN/A30225RearDownIn-useOnN/AN/A31225RearUprightIn-useOnN/AN/A32225RearUprightStowedOnN/AN/A34225RearDownIn-useN/AOnN/A35225RearUprightIn-useN/AOnN/A	16	Unbelted	Rear	Upright	Slowed	None	N/A	Suppressed	
19UnbeltedRearUprightIn-useOnN/ASuppressed20UnbeltedRearUprightStowedOnN/ASuppressed21UnbeltedRearDownIn-useN/AOnSuppressed22UnbeltedRearDownStowedN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A28225RearUprightStowedNoneN/AN/A29225RearDownIn-useOnN/AN/A30225RearUprightIn-useOnN/AN/A31225RearUprightStowedOnN/AN/A33225RearDownIn-useN/AOnN/A34225RearDownStowedN/AOnN/A35225RearUprightIn-useN/AOnN/A	17	Unbelted	Rear	Down	In-use	On	N/A	Suppressed	
20UnbeltedRearUprightStowedOnN/ASuppressed21UnbeltedRearDownIn-useN/AOnSuppressed22UnbeltedRearDownStowedN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A28225RearUprightStowedNoneN/AN/A29225RearDownIn-useOnN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A32225RearDownIn-useN/AOnN/A34225RearDownStowedN/AOnN/A35225RearUprightIn-useN/AOnN/A	18	Unbelted	Rear	Down	Stowed	On	N/A	Suppressed	
21UnbeltedRearDownIn-useN/AOnSuppressed22UnbeltedRearDownStowedN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A28225RearUprightStowedNoneN/AN/A29225RoarDownIn-useOnN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A32225RearDownIn-useN/AOnN/A34225RearDownStowedN/AOnN/A35225RearUprightIn-useN/AOnN/A	19	Unbelted	Rear	Upright	In-use	On	N/A	Suppressed	
22UnbeltedRearDownStowedN/AOnSuppressed23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A28225RearUprightStowedNoneN/AN/A29225RoarDownIn-useOnN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A32225RearDownIn-useN/AOnN/A34225RearDownStowedN/AOnN/A35225RearUprightIn-useN/AOnN/A	20	Unbelted	Rear	Upright	Stowed	On	N/A	Suppressed	
23UnbeltedRearUprightIn-useN/AOnSuppressed24UnbeltedRearUprightStowedN/AOnSuppressed25225RearDownIn-useNoneN/AN/A26225RearDownStowedNoneN/AN/A27225RearUprightIn-useNoneN/AN/A28225RearUprightStowedNoneN/AN/A29225RearDownIn-useOnN/AN/A30225RearDownStowedOnN/AN/A31225RearUprightIn-useOnN/AN/A32225RearUprightStowedOnN/AN/A33225RearDownIn-useN/AOnN/A34225RearDownStowedN/AOnN/A35225RearUprightIn-useN/AOnN/A	21	Unbelted	Rear	Down	In-use	N/A	Ori	Suppressed	
24 Unbelted Rear Upright Stowed N/A On Suppressed 25 225 Rear Down In-use None N/A N/A 26 225 Rear Down Stowed None N/A N/A 27 225 Rear Upright In-use None N/A N/A 28 225 Rear Upright Stowed None N/A N/A 29 225 Rear Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Down Stowed	22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed	
25 225 Rear Down In-use None N/A N/A 26 225 Rear Down Stowed None N/A N/A 27 225 Rear Upright In-use None N/A N/A 28 225 Rear Upright Stowed None N/A N/A 29 225 Rear Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A	23	Unbelted	Rear	Upright	In-use	N/A	On	Suppressed	
26 225 Rear Down Stowed None N/A N/A 27 225 Rear Upright In-use None N/A N/A 28 225 Rear Upright Stowed None N/A N/A 29 225 Rear Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A	24	Unbelted	Rear	Upright	Stowed	N/A	On	Suppressed	
27 225 Rear Upright In-use None N/A N/A 28 225 Rear Upright Stowed None N/A N/A 29 225 Roar Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright Stowed On N/A N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A	25		Rear	Down	In-use	None	N/A		
28 225 Rear Upright Stowed None N/A N/A 29 225 Roar Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright Stowed On N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A	26		Rear	Down	Stowed	None			
29 225 Roar Down In-use On N/A N/A 30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright Stowed On N/A On N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A			Rear	Upright	In-use	None			
30 225 Rear Down Stowed On N/A N/A 31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright Stowed On N/A N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A				Upright	Stowed	None			
31 225 Rear Upright In-use On N/A N/A 32 225 Rear Upright Stowed On N/A N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A								l	
32 225 Rear Upright Stowed On N/A N/A 33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A	-		Rear	Down	Stowed	On			
33 225 Rear Down In-use N/A On N/A 34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A	$\overline{}$		Rear			On			
34 225 Rear Down Stowed N/A On N/A 35 225 Rear Upright In-use N/A On N/A					Stowed				
35 225 Rear Upright In-use N/A On N/A	$\overline{}$								
36 225 Rear Upright Stowed N/A On N/A									
	36	225	Rear	Upright	Stowed	N/A	On	N/A	

	Belted,	Rear	Handle	Sunshield ²	Blanket⁵	Blanket	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(\$20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward ¹	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	N/A
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	N/A
43	Belted	Forward	Upright	In-use	On	N/A	N/A
44	Belted	Forward	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ²	Down	Stowed	N/A	On	N/A
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward ⁵	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	N/A
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	N/A
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	N/A
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward"	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward ^a	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward ²	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward"	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward ⁵	Upright	Stowed	N/A	On	N/A

If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
"Down" means the child restraint manufacturer's recommended position or there is no handle.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

³ Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.

^{4.} Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.

^{5.} Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).) _____0.3 kg

(\$20.1.5)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies.): The seat belt tension was 133 N for all belted positions.

RESULTS FROM DATA SHEET 14

Suppression Test Using 12-month-old CRABI Dummy (Part 572, Subpart N)(S20)

NHTSA No. C30102	Test Date: 10/08/02
Laboratory: VRTC	Test Technician(s): C. Case, B. Smith. G. Fout
Child Restraint Name, Model, Date of	Manufacture: Graco Snug Ride (Infant 8457)
Base: X_OnOffN/A-Restraint	does not have a removable base
Seat Position: Rearmost, mid-he	ight X_Mid-position, mid-height Foremost, mid-height
There was no height adjustment.	
Same as Foremost position because	of the child restraint contact with the instrument panel.

NHTSA No. <u>C30102</u>	Test Date: _ 10/08/02
Laboratory: VRTC	Test Technician(s): <u>C. Case, B. Smith. G. Fout</u>
Child Restraint Name	, Model, Date of Manufacture: Graco Snug Ride (Infant 8457)
Base: X_OnOff _	_N/A-Restraint does not have a removable base
Seat Position: Re	earmost, mid-height $\underline{\hspace{1cm}}$ Mid-position, mid-height $\underline{\hspace{1cm}}$ Foremost, mid-heigh
Thous was no bairdat	ndivistra ant

1 1	ed ed ed ed	Rear facing, Forward facing Rear Rear	Handle (S20.1.3)	Sunshield ² (\$20.1.4)	Blanket ³ Position 1 (S20.1.5(a))	Blanket [*] Position 2 (S20.1.5(b))	Suppressed, FAIL, Or N/A
1 Belt 2 Belt 3 Belt 4 Belt	ed ed ed ed	Rear Rear		la_uee			
 2 Belt 3 Belt 4 Belt 	ed ed	Rear		In-uce			
3 Belt	ed ed		Doug	In-use	None	N/A	Suppressed
4 Belt	ed	Rear	Down	Stowed	None	N/A	Suppressed
			Upright	In-use	None	N/A	Suppressed
5 Bolt		Rear	Upright	Stowed	None	N/A	Suppressed
	.ca	Rear	Down	In-use	On	N/A	Suppressed
6 Belt	ed	Rear	Down	Stowed	On	N/A	Suppressed
7 Belt	ed	Rear	Upright	In-use	On	N/A	Suppressed
8 Belt	ed	Rear	Upright	Stowed	On	N/A	Suppressed
9 Belt	ed	Rear	Down	In-use	N/A	On	Suppressed
10 Belt	ed	Rear	Down	Stowed	N/A	On	Suppressed
11 Belt	ed	Rear	Upright	In-use	N/A	On	Suppressed
12 Belt	ed	Rear	Upright	Stowed	N/A	On	Suppressed
13 Unb	elted	Rear	Down	In-use	None	N/A	Suppressed
14 Unb	elted	Rear	Down	Stowed	None	N/A	Suppressed
15 Unb	elted	Rear	Upright	In-use	None	N/A	Suppressed
16 Unb	elted	Rear	Upright	Slowed	None	N/A	Suppressed
17 Unb	elted	Rear	Down	In-use	On	N/A	Suppressed
18 Unb	elted	Rear	Down	Stowed	On	N/A	Suppressed
19 Unb	elted	Rear	Upright	In-use	On	N/A	Suppressed
20 Unb	elted	Rear	Upright	Stowed	On	N/A	Suppressed
21 Unb	elted	Rear	Down	In-use	N/A	Ott	Suppressed
22 Unb	elfed	Rear	Down	Stowed	N/A	On	Suppressed
23 Unb	elted	Rear	Upright	In-use	N/A	On	Suppressed
24 Unb	elted	Rear	Upright	Stowed	N/A	On	Suppressed
25 225		Rear	Down	In-use	None	N/A	N/A
26 225		Rear	Down	Stowed	None	N/A	N/A
27 225		Rear	Upright	In-use	None	N/A	N/A
28 225		Rear	Upright	Stowed	None	N/A	N/A
29 225		Roar	Down	In-use	On	N/A	N/A
30 225		Rear	Down	Stowed	On	N/A	N/A
31 225		Rear	Upright	In-use	On	N/A	N/A
32 225		Rear	Upright	Stowed	On	N/A	N/A
33 225		Rear	Down	In-use	N/A	On	N/A
34 225		Rear	Down	Stowed	N/A	On	N/A
35 225		Rear	Upright	In-use	N/A	On	N/A
36 225		Rear	Upright	Stowed	N/A	On	N/A

	Belted,	Rear	Handle	Sunshield ²	Blanket⁵	Blanket	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(\$20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward ¹	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	N/A
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	N/A
43	Belted	Forward	Upright	In-use	On	N/A	N/A
44	Belted	Forward	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ²	Down	Stowed	N/A	On	N/A
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward ⁵	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	N/A
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	N/A
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	N/A
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward"	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward ^a	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward ²	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward"	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward ⁵	Upright	Stowed	N/A	On	N/A

- 1 If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright." "Down" means the child restraint manufacturer's recommended position or there is no handle.
- 2 If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."
- 3 Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.
- Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.
- 7. Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).) _____03 kg (\$20.1.5)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies.): <u>The seat belt tension was 133 N for all belted positions.</u>

Rows 1, 2, 5, 6, 9, & 10: The seat was set 14 detents back from full forward because of child restraint contact with the instrument panel.

Rows 3, 4, 7, 8, 11, & 12: The seat was set 10 detents back from full forward because of child restraint contact with the instrument panel.

Rows 13, 14, 17, 18, 21, & 22: The seat was set 15 detents back from full forward because of child restraint contact with the instrument panel.

Rows 15, 16, 19, 20, 23, & 24: The seat was set 10 detents back from full forward because of child restraint contact with the instrument panel.

NHTSA No.	C30102			_		Test Da	ate: <u>10/08/</u>	02
Laboratory:	VRTC			est Technic	cian(s): <u>C.</u>	Case, E	3. Smith. G.	Fout
Child Restra	int Name,	Model, D	ate of Mai	nufacture: 🤇	3raco Snug	Ride (In	fant 8457)	
Base:On	X_Off _	_N/A-Res	traint does	s not have a	a removable	e base		
Seat Position	n: <u>X</u> Re	armost, n	nid-height	Mid-po	sition, mid-	height _	Foremo	st, mid-heigh
There was n	o height a	diustment	ł Ť			-		•

1110	There was no height adjustment.							
	Belted, Unbelted, FMVSS 225	Rear facing, Forward facing	Handle ² (S20.1.3)	Sunshield ² (S20.1.4)	Blanket ³ Position 1 (S20.1.5(a))	Blanket ² Position 2 (S20.1.5(b))	Suppressed, FAIL, Or N/A	
1	Belted	Rear	Down	In-use	None	N/A	Suppressed	
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed	
3	Belted	Rear	Upright	In-use	None	N/A	Suppressed	
4	Belted	Rear	Upright	Stowed	None	N/A	Suppressed	
5	Belted	Roar	Down	In-use	On	N/A	Suppressed	
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed	
7	Belted	Rear	Upright	In-use	On	N/A	Suppressed	
8	Belted	Rear	Upright	Stowed	On	N/A	Suppressed	
ð	Belted	Rear	Down	In-use	N/A	On	Suppressed	
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed	
1 1	Belted	Rear	Upright	In-use	N/A	On	Suppressed	
12	Belted	Rear	Upright	Stowed	N/A	On	Suppressed	
13	Unbelted	Rear	Down	In-use	None	N/A	Suppressed	
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed	
15	Unbelted	Rear	Upright	In-use	None	N/A	Suppressed	
16	Unbelted	Rear	Upright	Slowed	None	N/A	Suppressed	
17	Unbelted	Rear	Down	In-use	On	N/A	Suppressed	
18	Unbelted	Rear	Down	Stowed	On	N/A	Suppressed	
19	Unbelted	Rear	Upright	In-use	On	N/A	Suppressed	
20	Unbelted	Rear	Upright	Stowed	On	N/A	Suppressed	
21	Unbelted	Rear	Down	In-use	N/A	On	Suppressed	
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed	
23	Unbelted	Rear	Upright	In-use	N/A	On	Suppressed	
24	Unbelted	Rear	Upright	Stowed	N/A	On	Suppressed	
25	225	Rear	Down	In-use	None	N/A	N/A	
26	225	Rear	Down	Stowed	None	N/A	N/A	
27	225	Rear	Upright	In-use	None	N/A	N/A	
28	225	Rear	Upright	Stowed	None	N/A	N/A	
29	225	Roar	Down	In-use	On	N/A	N/A	
30	225	Rear	Down	Stowed	On	N/A	N/A	
31	225	Rear	Upright	In-use	On	N/A	N/A	
32	22 5	Rear	Upright	Stowed	On	N/A	N/A	
33	225	Rear	Down	In-use	N/A	On	N/A	
34	225	Rear	Down	Stowed	N/A	On	N/A	
35	225	Rear	Upright	In-use	N/A	On	N/A	
36	225	Rear	Upright	Stowed	N/A	On	N/A	

	Belted,	Rear	Handle	Sunshield ²	Blanket⁵	Blanket	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(\$20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward ¹	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	N/A
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	N/A
43	Belted	Forward	Upright	In-use	On	N/A	N/A
44	Belted	Forward	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ²	Down	Stowed	N/A	On	N/A
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward ⁵	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	N/A
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	N/A
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	N/A
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward"	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward ^a	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward ²	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward"	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward ⁵	Upright	Stowed	N/A	On	N/A

- 1 If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright." "Down" means the child restraint manufacturer's recommended position or there is no handle.
- 2 If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."
- 3 Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.
- 8. Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.
- 9. Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).) _____0.3 kg

(\$20.1.5)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies.): The seat belt tension was 106.3 N for all belted positions.

NHTSA No. <u>C30102</u>	Test Date: _10/08/02
Laboratory: <u>VRTC</u>	Test Technician(s): <u>C. Case, B. Smith. G. Fout</u>
Child Restraint Name, Mode	el, Date of Manufacture: Graco Snug Ride (Infant 8457)
Base:On_X_OffN/A-	Restraint does not have a removable base
Seat Position: 🔝 Rearmo:	st, mid-heightMid-position, mid-height X Foremost, mid-height
Thomas come and basically adjusted	

1 1	ed ed ed ed	Rear facing, Forward facing Rear Rear	Handle (S20.1.3)	Sunshield ² (\$20.1.4)	Blanket ³ Position 1 (S20.1.5(a))	Blanket [*] Position 2 (S20.1.5(b))	Suppressed, FAIL, Or N/A
1 Belt 2 Belt 3 Belt 4 Belt	ed ed ed ed	Rear Rear		la_uee			
 2 Belt 3 Belt 4 Belt 	ed ed	Rear		In-uce			
3 Belt	ed ed		Doug	In-use	None	N/A	Suppressed
4 Belt	ed	Rear	Down	Stowed	None	N/A	Suppressed
			Upright	In-use	None	N/A	Suppressed
5 Bolt		Rear	Upright	Stowed	None	N/A	Suppressed
	.ca	Rear	Down	In-use	On	N/A	Suppressed
6 Belt	ed	Rear	Down	Stowed	On	N/A	Suppressed
7 Belt	ed	Rear	Upright	In-use	On	N/A	Suppressed
8 Belt	ed	Rear	Upright	Stowed	On	N/A	Suppressed
9 Belt	ed	Rear	Down	In-use	N/A	On	Suppressed
10 Belt	ed	Rear	Down	Stowed	N/A	On	Suppressed
11 Belt	ed	Rear	Upright	In-use	N/A	On	Suppressed
12 Belt	ed	Rear	Upright	Stowed	N/A	On	Suppressed
13 Unb	elted	Rear	Down	In-use	None	N/A	Suppressed
14 Unb	elted	Rear	Down	Stowed	None	N/A	Suppressed
15 Unb	elted	Rear	Upright	In-use	None	N/A	Suppressed
16 Unb	elted	Rear	Upright	Slowed	None	N/A	Suppressed
17 Unb	elted	Rear	Down	In-use	On	N/A	Suppressed
18 Unb	elted	Rear	Down	Stowed	On	N/A	Suppressed
19 Unb	elted	Rear	Upright	In-use	On	N/A	Suppressed
20 Unb	elted	Rear	Upright	Stowed	On	N/A	Suppressed
21 Unb	elted	Rear	Down	In-use	N/A	Ott	Suppressed
22 Unb	elfed	Rear	Down	Stowed	N/A	On	Suppressed
23 Unb	elted	Rear	Upright	In-use	N/A	On	Suppressed
24 Unb	elted	Rear	Upright	Stowed	N/A	On	Suppressed
25 225		Rear	Down	In-use	None	N/A	N/A
26 225		Rear	Down	Stowed	None	N/A	N/A
27 225		Rear	Upright	In-use	None	N/A	N/A
28 225		Rear	Upright	Stowed	None	N/A	N/A
29 225		Roar	Down	In-use	On	N/A	N/A
30 225		Rear	Down	Stowed	On	N/A	N/A
31 225		Rear	Upright	In-use	On	N/A	N/A
32 225		Rear	Upright	Stowed	On	N/A	N/A
33 225		Rear	Down	In-use	N/A	On	N/A
34 225		Rear	Down	Stowed	N/A	On	N/A
35 225		Rear	Upright	In-use	N/A	On	N/A
36 225		Rear	Upright	Stowed	N/A	On	N/A

	Belted,	Rear	Handle	Sunshield ²	Blanket⁵	Blanket	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(\$20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward ¹	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	N/A
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	N/A
43	Belted	Forward	Upright	In-use	On	N/A	N/A
44	Belted	Forward	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ²	Down	Stowed	N/A	On	N/A
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward ⁵	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	N/A
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	N/A
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	N/A
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward"	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward ^a	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward ²	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward"	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward ⁵	Upright	Stowed	N/A	On	N/A

If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
"Down" means the child restraint manufacturer's recommended position or there is no handle.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

³ Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.

^{10.} Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.

^{11.} Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies.): The seat belt tension was 106.3 N for all belted positions.

Rows 1, 2, 5, 6, 9, and 10: The seat was 6 detents rear of full forward.

Rows 13, 14, 17, 18, 21, and 22: The seat was 14 detents rear of full forward.

Rows 15, 16, 19, 20, 23, and 24: The seat was 10 detents rear of full forward.

NHTSA No	C30102	Test Date: 10/08/02
Laboratory: _	VRTC	Test Technician(s): <u>C. Case, B. Smith. G. Fout</u>
Child Restrai	int Name,	Model, Date of Manufacture: Graco Snug Ride (Infant 8457)
Base:On	_X_Off .	N/A-Restraint does not have a removable base
Seat Position	1:Re	armost, mid-height X_Mid-position, mid-height Foremost, mid-height
There was no	n height a	diustment

_The	There was no height adjustment.						
	Belted,	Rear	Handle	Sunshield ⁻	Blanket ³	Blanket	Suppressed,
	Unbelted,	facing,	(\$20.1.3)	(\$20.1.4)	Position 1	Position 2	FAIL.
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
<u> </u>	225	facing		1	None	B1/5	0
1	Belted	Rear	Down	In-use	None	N/A	Suppressed
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed
3	Belted	Rear	Upright	In-use	None	N/A	Suppressed
4	Belted	Rear	Upright	Stowed	None	N/A	Suppressed
5	Belted	Roar	Down	In-use	On	N/A	Suppressed
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed
7	Belted	Rear	Upright	In-use	On	N/A	Suppressed
8	Belted	Rear	Upright	Stowed	On	N/A	Suppressed
ð	Belted	Rear	Down	In-use	N/A	On	Suppressed
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed
1 1	Belted	Rear	Upright	In-use	N/A	On	Suppressed
12	Belted	Rear	Upright	Stowed	N/A	On	Suppressed
13	Unbelted	Rear	Down	In-use	None	N/A	N/A
14	Unbelted	Rear	Down	Stowed	None	N/A	N/A
15	Unbelted	Rear	Upright	In-use	None	N/A	Suppressed
16	Unbelted	Rear	Upright	Slowed	None	N/A	Suppressed
17	Unbelted	Rear	Down	In-use	On	N/A	N/A
18	Unbelted	Rear	Down	Stowed	On	N/A	N/A
19	Unbelted	Rear	Upright	In-use	On	N/A	Suppressed
20	Unbelted	Rear	Upright	Stowed	On	N/A	Suppressed
21	Unbelted	Rear	Down	In-use	N/A	On	N/A
22	Unbelfed	Rear	Down	Stowed	N/A	On	N/A
23	Unbelted	Rear	Upright	In-use	N/A	On	Suppressed
24	Unbelted	Rear	Upright	Stowed	N/A	On	Suppressed
25	225	Rear	Down	In-use	None	N/A	N/A
26	225	Rear	Down	Stowed	None	N/A	N/A
27	225	Rear	Upright	In-use	None	N/A	N/A
28	225	Rear	Upright	Stowed	None	N/A	N/A
29	225	Roar	Down	In-use	On	N/A	N/A
30		Rear	Down	Stowed	On	N/A	N/A
31	225	Rear	Upright	In-use	On	N/A	N/A
32	225	Rear	Upright	Stowed	On	N/A	N/A
33	225	Rear	Down	In-use	N/A	On	N/A
34	225	Rear	Down	Stowed	N/A	On	N/A
35	225	Rear	Upright	In-use	N/A	On	N/A
36	225	Rear	Upright	Stowed	N/A	On	N/A
	220	, toui	Opingin	O.DWOG	1431		1 11 11

	Belted,	Rear	Handle	Sunshield ²	Blanket⁵	Blanket	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(\$20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward ¹	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	N/A
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	N/A
43	Belted	Forward	Upright	In-use	On	N/A	N/A
44	Belted	Forward	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ²	Down	Stowed	N/A	On	N/A
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward ⁵	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	N/A
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	N/A
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	N/A
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward"	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward ^a	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward ²	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward"	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward ⁵	Upright	Stowed	N/A	On	N/A

If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
"Down" means the child restraint manufacturer's recommended position or there is no handle.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

³ Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.

^{12.} Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.

^{13.} Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies.): The seat belt tension was 106.3 N for all belted positions.

Rows 13, 14, 17, 18, 21, and 22: The child restraint handle contacts the instrument panel. After adjustment the seat position was the same as was used for the full forward tests. Therefore, these were not repeated.

DATA SHEET 25
Test of Reactivation of the Passenger Air Bag System with an Unbelted 5th Percentile Female Dummy (S20.3, 22.3, S24.3)

NHTSA	No	C30102				Test Date: _	10/08/02	_
Laborat	tory: _	VRTC		Test Tech	nician(s): <u>C</u>	C. Case, G. Fou	<u>.1</u>	
			rward Mi ted.) (S20.3.			rd (Use a sepa	rate sheet for	each of the
Do NO	T use s	eat belts for	these tests.					
1. <u>x</u> — — — — —	Suppri Afters Suppri Afters Suppri (S22) Afters Suppri Afters	ression Test section 2_ or ression Test section or	Using 12-Mo the data she Using Newb the data she Using 3-Yea the data she Using 3-Yea the data she Using an Un the data she	enth-Old CR/ eet orn Infant Du eet r-Old Dumm eet r-Old Dumm eet belted 3-Yea	ABI Dummy ummy (\$20) By and Boosi By and Forwa ar-Old Dumn	ter Seats (S22) ard Facing Con	i overtible Child	Restraints
_	After s Suppr	section of ession Test	fthe data sho Using 6 Yea	ect r-Old-Dumm		or ordin (oz-i		
<u>X_</u> 2.	Leave	the seat in	f the data she the position ι ioning for a c	ised for the :	suppression	test. (Do NO	Γ recline the s	eat back as it
<u>X_</u> 3.	Place	the dummy	in the seat w	ith the legs a		of 120 degrees	to the thighs.	The calves
<u>X_</u> 4.	Positio					cident with the	seating positi	on centerline.
<u>X_</u> 5.	Hold		nmy's thighs	and push re	earward on t	he upper torso	to maximize t	the pelvic
<u>X</u> 6. <u>X</u> 7	Set th Set th to 6.7	e angle betv e transverse inches). Ce	veen the legs distance be	tween the co e separation	enters of the with respec	egrees. (S16.3 front of the kni t to the seat ce	ces at 160 to	
<u>X_</u> 8.	Push calves Pe	rearward on s contact the lvis contacte	the dummy's	knees until n, whichever	the pelvis o	ontacts the sea . (S16.3.3.1.6)	at back, or the	backs of the
<u>X_</u> 9.	Gently	y rock the up	per torso +/-	5 degrees (ely 51 mm (2 in		side three
<u>N/A</u> 10.	If need	ded, extend		the feet do		e seat. (\$16.3 the floor pan.		ould be resting
<u>X_</u> 11.	If the (0.2 in contact	dummy conf	acts the inter lieved or the .1.8)	ior move the		ard until a max tent position wh		
		mmy contac	t. Clearance Clearance	set at maxi		n		
	Du	immy Conta	ct. Seat set a tion dete	at nearest de	etent positio			

X_12. X_13 X_14. X_15.	(full forward is position zero) Verify the pelvis is not interfering with the seat bight. Verify the dummy abdomen is properly installed. (St Measure and set the pelvic angle using the pelvic angle 20.0 degrees +/- 2.5 degrees. If the pelvic angle angular difference. (S16.3.3.1.11) X Pelvic angle set to 20.0 degrees +/- 2.5 degrees. Pelvic angle of 20.0 degrees not achieved, the art X Record the pelvic angle. 22 degrees Check the dummy for contact with the interior after c X No contact.	(6.3.3.1.9) gle gage TE-2504. The pelvic angle should cannot be set to 20 degrees, minimize the gular difference was minimized.
	No contact Dummy in contact with interior Seat moved Aft mm from the previou Seat moved Aft detent positions from	s position.
<u>X</u> 16	Foot positioning. (Indicate final position achieved) (S16.1 Place feet flat on the toe board. OR X_16.2 If the feet will not cannot be placed flat on the	16.3.3.2) e toe board, set the feet perpendicular to the
	lower leg, and rest the heel as far forward on the floo16.3 If the heels do not touch the floor pan, set the floor pan.	
<u>X_</u> 17.	Passenger arm/hand positioning. (\$16.3.3.3) X_17.1 Place the dummy's upper arms adjacent to to a vertical longitudinal plane as possible. (\$16.3.2.3.1) X_17.2 Place the palms of the dummy in contact with X_17.3 Place the little fingers in contact with the second) h the outer part of the thighs (\$16.3.3.3.2)
<u>X_</u> 18.		n" position, whichever will turn on the
<u>X_</u> 19.	Return the ignition switch to the "off" position.	
C. Case	e, G. Fout	10/08/02
	that I have read and performed each instruction.	Date

NHTSA No. <u>C30102</u>	Test Date: <u>10/08/02</u>
Laboratory: VRTC	Test Technician(s): <u>C. Case, B. Smith. G. Fout</u>
Child Restraint Name, Model, Date	of Manufacture: Britax Roundabout 161
Base:OnOff X_N/A-Restrai	int does not have a removable base
Seat Position: X_Rearmost, mid-	heightMid-position, mid-height Foremost, mid-height
There was no height adjustment	

The	There was no height adjustment.							
	Belted,	Rear	Handle	Sunshield	Blanket ³	Blanket	Suppressed,	
	Unbelted,	facing,	(\$20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,	
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A	
	225	facing	_					
	Belted	Rear	Down	In-use	None	N/A	N/A	
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed	
3	Belted	Rear	Upright	In-use	None	N/A	N/A	
4	Belted	Rear	Upright	Stowed	None	N/A	N/A	
5	Belted	Rear	Down	In-use	On	N/A	N/A	
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed	
7	Belted	Rear	Upright	In-use	On	N/A	N/A	
8	Belted	Rear	Upright	Stowed	On	N/A	N/A	
â	Belted	Rear	Down	In-use	N/A	On	N/A	
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed	
11	Belted	Rear	Upright	In-use	N/A	On	N/A	
12	Belted	Rear	Upright	Stowed	N/A	On	N/A	
13	Unbelted	Rear	Down	In-use	None	N/A	N/A	
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed	
15	Unbelted	Rear	Upright	In-use	None	N/A	N/A	
16	Unbelted	Rear	Upright	Slowed	None	N/A	N/A	
17	Unbelted	Rear	Down	In-use	On	N/A	N/A	
18	Unbelted	Rear	Down	Stowed	On .	N/A	Suppressed	
19	Unbelted	Rear	Upright	In-use	On	N/A	N/A	
20	Unbelted	Rear	Upright	Stowed	On	N/A	N/A	
21	Unbelted	Rear	Down	In-use	N/A	On	N/A	
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed	
23	Unbelted	Rear	Upright	In-use	N/A	On	N/A	
24	Unbelted	Rear	Upright	Stowed	N/A	On	N/A	
25	225	Rear	Down	In-use	None	N/A	N/A	
26	225	Rear	Down	Stowed	None	N/A	N/A	
27	225	Rear	Upright	In-use	None	N/A	N/A	
28	225	Rear	Upright	Stowed	None	N/A	N/A	
29	225	Roar	Down	In-use	On	N/A	N/A	
30	225	Rear	Down	Stowed	On	N/A	N/A	
31	225	Rear	Upright	In-use	On	N/A	N/A	
32	225	Rear	Upright	Stowed	On	N/A	N/A	
33	225	Rear	Down	In-use	N/A	On	N/A	
34	225	Rear	Down	Stowed	N/A	On	N/A	
35	225	Rear	Upright	In-use	N/A	On	N/A	
36	225	Rear	Upright	Stowed	N/A	On	N/A	
	220	TOUT	Abudur	3134104	1	-211	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

	Belted,	Rear	Handle	Sunshield*	Blanket⁵	Blanket*	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward ³	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	Suppressed
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	Suppressed
43	Belted	Forward	Upright	In-use	On	N/A	N/A
44	Belted	Forward ⁵	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ²	Down	Stowed	N/A	On	Suppressed
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward ⁵	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	Suppressed
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	Suppressed
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	Suppressed
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward"	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward*	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward ²	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward ²	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward ⁵	Upright	Stowed	N/A	On	N/A

¹ If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright." "Down" means the child restraint manufacturer's recommended position or there is no handle.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

³ Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.

^{14.} Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.

^{15.} Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).) ______0.3 kg (\$20.1.5)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies. Rows 1 through 12: The seat belt tension was 131.7 N for belted positions.

Rows 37 through 48: The seat belt tension was 125.4 N for belted positions.

NHTSA No. <u>C30102</u>	Test Date:10/08/02
Laboratory: VRTC	Test Technician(s): <u>C. Case, B. Smith. G. Fout</u>
Child Restraint Name, M	lodel, Date of Manufacture: Britax Roundabout 161
Base:OnOff <u>X_</u> f	V/A-Restraint does not have a removable base
Seat Position: 💹 Rear	most, mid-heightMid-position, mid-height X Foremost, mid-height
There was no baight adi	Licture and

	There was no height adjustment.								
	Belted, Unbelted, FMVSS 225	Rear facing, Forward facing	Handle [*] (\$20.1.3)	Sunshield ² (S20.1.4)	Blanket ⁸ Position 1 (S20.1.5(a))	Blanket ² Position 2 (S20.1.5(b))	Suppressed, FAIL, Or N/A		
1	Belted	Rear	Down	In-use	None	N/A	N/A		
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed		
3	Belted	Rear	Upright	In-use	None	N/A	N/A		
4	Belted	Rear	Upright	Stowed	None	N/A	N/A		
5	Belted	Roar	Down	In-use	On	N/A	N/A		
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed		
7	Belted	Rear	Upright	In-use	On	N/A	N/A		
8	Belted	Rear	Upright	Stowed	On	N/A	N/A		
ð	Belted	Rear	Down	In-use	N/A	On	N/A		
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed		
1 1	Belted	Rear	Upright	In-use	N/A	On	N/A		
12	Belted	Rear	Upright	Stowed	N/A	On	N/A		
13	Unbelted	Rear	Down	In-use	None	N/A	N/A		
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed		
15	Unbelted	Rear	Upright	In-use	None	N/A	N/A		
16	Unbelted	Rear	Upright	Slowed	None	N/A	N/A		
17	Unbelted	Rear	Down	In-use	On	N/A	N/A		
18	Unbelted	Rear	Down	Stowed	On	N/A	Suppressed		
19	Unbelted	Rear	Upright	In-use	On	N/A	N/A		
20	Unbelted	Rear	Upright	Stowed	On	N/A	N/A		
21	Unbelted	Rear	Down	In-use	N/A	On	N/A		
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed		
23	Unbelted	Rear	Upright	In-use	N/A	On	N/A		
24	Unbelted	Rear	Upright	Stowed	N/A	On	N/A		
25	225	Rear	Down	In-use	None	N/A	N/A		
26	225	Rear	Down	Stowed	None	N/A	N/A		
27	225	Rear	Upright	In-use	None	N/A	N/A		
28	225	Rear	Upright	Stowed	None	N/A	N/A		
29	225	Roar	Down	In-use	On	N/A	N/A		
30	225	Rear	Down	Stowed	On	N/A	N/A		
31	225	Rear	Upright	In-use	On	N/A	N/A		
32	225	Rear	Upright	Stowed	On	N/A	N/A		
33	225	Rear	Down	In-use	N/A	On	N/A		
34	225	Rear	Down	Stowed	N/A	On	N/A		
35	225	Rear	Upright	In-use	N/A	On	N/A		
36	225	Rear	Upright	Stowed	N/A	On	N/A		

	Belted,	Rear	Handle	Sunshield*	Blanket⁵	Blanket*	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward ³	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	Suppressed
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	Suppressed
43	Belted	Forward	Upright	In-use	On	N/A	N/A
44	Belted	Forward ⁵	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ²	Down	Stowed	N/A	On	Suppressed
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward ⁵	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	Suppressed
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	Suppressed
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	Suppressed
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward"	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward*	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward ²	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward ²	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward ⁵	Upright	Stowed	N/A	On	N/A

If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
"Down" means the child restraint manufacturer's recommended position or there is no handle.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

³ Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.

^{16.} Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.

^{17.} Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).) _______0.3 kg (\$20.1.5)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies. Rows 1 through 12: The seat belt tension was 131.7 N for belted positions.

Rows 14, 18, and 22: The seat is positioned 9 detents to the rear of full forward because of seat contact with the instrument panel.

Rows 37 through 48: The seat belt tension was 125.4 N for belted positions.

NHTSA No	C30102			Test [Date: 10/08/02	_
Laboratory: _	VRTC		Test Technician(s):	C. Case,	B. Smith. G. For	ut
Child Restrair	nt Name,	Model, Date of N	Manufacture: <u>Britax R</u>	oundabout	161	
Base:On_	Off X	_N/A-Restraint d	des not have a remov	able base		
Seat Position	: Re:	armost, mid-heig	ht <u>X</u> Mid-position, i	mid-heigh t	Foremost, r	mid-heigh
There were no	haiaht a	diustment				

_The	There was no height adjustment.								
	Belted, Unbelted, FMVSS 225	Rear facing, Forward facing	Handle [*] (S20.1.3)	Sunshield ² (\$20.1.4)	Blanket ³ Position 1 (S20.1.5(a))	Blanket ² Position 2 (S20.1.5(b))	Suppressed, FAIL, Or N/A		
1	Belted	Rear	Down	In-use	None	N/A	N/A		
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed		
3	Belted	Rear	Upright	In-use	None	N/A	N/A		
4	Belted	Rear	Upright	Stowed	None	N/A	N/A		
5	Belted	Roar	Down	In-use	On	N/A	N/A		
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed		
7	Belted	Rear	Upright	In-use	On	N/A	N/A		
8	Belted	Rear	Upright	Stowed	On	N/A	N/A		
ð	Belted	Rear	Down	In-use	N/A	On	N/A		
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed		
11	Belted	Rear	Upright	In-use	N/A	On	N/A		
12	Belted	Rear	Upright	Stowed	N/A	On	N/A		
13	Unbelted	Rear	Down	In-use	None	N/A	N/A		
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed		
15	Unbelted	Rear	Upright	In-use	None	N/A	N/A		
16	Unbelted	Rear	Upright	Slowed	None	N/A	N/A		
17	Unbelted	Rear	Down	In-use	On	N/A	N/A		
18	Unbelted	Rear	Down	Stowed	On	N/A	Suppressed		
19	Unbelted	Rear	Upright	In-use	On	N/A	N/A		
20	Unbelted	Rear	Upright	Stowed	On	N/A	N/A		
21	Unbelted	Rear	Down	In-use	N/A	Ori	N/A		
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed		
23	Unbelted	Rear	Upright	In-use	N/A	On	N/A		
24	Unbelted	Rear	Upright	Stowed	N/A	On	N/A		
25	225	Rear	Down	In-use	None	N/A	N/A		
26	225	Rear	Down	Stowed	None	N/A	N/A		
27	225	Rear	Upright	In-use	None	N/A	N/A		
28	225	Rear	Upright	Stowed	None	N/A	N/A		
29	225	Rear	Down	In-use	On	N/A	N/A		
30	225	Rear	Down	Stowed	On	N/A	N/A		
31	225	Rear	Upright	In-use	On	N/A	N/A		
32	225	Rear	Upright	Stowed	On	N/A	N/A		
33	225	Rear	Down	In-use	N/A	On	N/A		
34	225	Rear	Down	Stowed	N/A	On	N/A		
35	225	Rear	Upright	In-use	N/A	On	N/A		
36	225	Rear	Upright	Stowed	N/A	On	N/A		

	Belted,	Rear	Handle	Sunshield*	Blanket⁵	Blanket*	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward ³	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	Suppressed
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	Suppressed
43	Belted	Forward	Upright	In-use	On	N/A	N/A
44	Belted	Forward ⁵	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ²	Down	Stowed	N/A	On	Suppressed
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward ⁵	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	Suppressed
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	Suppressed
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	Suppressed
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward"	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward*	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward ²	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward ²	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward ⁵	Upright	Stowed	N/A	On	N/A

If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
"Down" means the child restraint manufacturer's recommended position or there is no handle.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

³ Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.

^{18.} Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.

^{19.} Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).) _______0.3 kg (S20.1.5)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies. Rows 1 through 12: The seat belt tension was 131.7 N for belted positions.

Rows 37 through 48: The seat belt tension was 125.4 N for belted positions.

DATA SHEET 25
Test of Reactivation of the Passenger Air Bag System with an Unbelted 5th Percentile Female Dummy (S20.3, 22.3, S24.3)

NHTSA	No	C30102				٦٦	est Date	e:	10/08/02	<u> </u>	
Laborat	tory:	VRTC		Test Te	chnician(s): <u>C. C</u>	ase, G.	Fout,	B. Smith		
			rward Mi sted.) (S20.3.			orward	(Use a s	eparal	te sheet	for each	of the
Do NO	T use s	eat belts for	these tests.								
_ _ _	Suppre After's Suppre After's Suppre (S22) After's Suppre After's Suppre	ession Test ection 5_ o ession Test ection o ession Test	est is being p Using 12-Mo f the data sho Using Newb f the data sho Using 3-Yea f the data sho Using an Un f the data sho Using 6 Yea	onth-Old Coeet orn Infant set r-Old Dum set r-Old Dum set betted 3-Y set r-Old-Dum	RABI Dur Dummy () nmy and E nmy and F /ear-Old D	nmy (S2 S20) Sooster : Forward Dummy	Seats (S Facing (S22) Conve	rtible Ch	ild Restra	aints
_	Suppre	ession Test	f the data she Using 6 Yea	r-Old-Dun	nmy (S24.	2.1)					
<u>X_</u> 2.	Leave	the seat in	f the data she the position i ioning for a c	used for th		ssion tes	st. (Do l	VOT re	ecline the	e seat ba	ck as it
<u>X_</u> 3.	Place:	the dummy	in the seat w ching the sea	rith the leg	s at an ar		20 degr	ees to	the thigh	ns. The c	alves
<u>X_</u> 4.	Positio		ny midsagitta				ent with	the se	ating pos	sition cen	terline.
<u>X_</u> 5.	Hold d	own the du	mmy's thighs	and push	rearward	on the	upper to	rso to	maximiz	te the pel	vic
<u>X</u> 6. <u>X</u> 7	Set the Set the to 6.7	c transverse inches). Ce	veen the lega c distance bo enter the kne	tween the e separati	centers o on with re	f the fro	nt of the	кпес	s at 160		
<u>X_</u> 8.	Push r calves Pel	rearward or contact the vis contact	aration1 the dummy's seat cushioned seat back. ted seat cush	s knees ur n, whichev	ntil the pel				ack, or t	the backs	of the
<u>X</u> 9.	Gently	rock the up	oper torso +/-	5 degree:						to side th	rree
<u>N/A</u> 10.	If need	led, extend	the legs unti	the feet d						shou ld be	resting
<u>X_</u> 11.	If the contact	lummy con		rior move i							
		mmy contac	ct. Clearance I Clearance	set at ma	ax im um of mr						
	Dur	mmy Conta	ct. Seat set : tion dete		detent po	sition.	forward				

X 12. X 13 X 14.	(full forward is position zero) Verify the pelvis is not interfering with the seat bigly Verify the dummy abdomen is properly installed. (Measure and set the pelvic angle using the pelvic be 20.0 degrees +/- 2.5 degrees. If the pelvic angular difference. (S16.3.3.1.11)	S16.3.3.1.9) angle gage TE-2504. The pelvic angle should
<u>X_</u> 15.	 X Pelvic angle set to 20.0 degrees +/- 2.5 degrees Pelvic angle of 20.0 degrees not achieved, the X Record the pelvic angle	angular difference was minimized.
X_16	 Dummy in contact with interior. Seat moved Aft mm from the previous Seat moved Aft detent positions for Foot positioning. (Indicate final position achieved) 	om the previous position.
<u>^</u> 10	 16.1 Place feet flat on the toe board. OR X 16.2 If the feet will not cannot be placed flat on lower leg. and rest the heel as far forward on the f 16.3 If the heels do not touch the floor pan, set 	the toe board, set the feet perpendicular to the oor pan as possible. OR
<u>X</u> _17.	the floor pan. Passenger arm/hand positioning. (\$16.3.3.3) X_17.1 Place the dummy's upper arms adjacent to a vertical longitudinal plane as possible. (\$16.3.2.3) X_17.2 Place the palms of the dummy in contact to X_17.3 Place the little fingers in contact with the statement of the statement o	3.1) with the outer part of the thighs (\$16.3.3.3.2)
<u>X</u> 18.	Start the vehicle engine or place the ignition in the suppression system, and close all vehicle doors. (whether the air bag is suppressed. (\$22.2.1.8) Air Bag Suppressed – FAIL X_Air Bag Not Suppressed – Pass	"on" position, whichever will turn on the
<u>X</u> 19.	Return the ignition switch to the "off" position.	
C. Case	e, G. Fout, B. Smith	10/08/02
I certify	that I have read and performed each instruction.	Date

NHTSA No.	C30102	Test D	ate: <u>10/08-09/02</u>
Laboratory:	VRTC	Test Technician(s): <u>C. Case, l</u>	B. Smith. G. Fout
Child Restra	int Name,	Model, Date of Manufacture: Century Encore	
Base:On	Off X	N/A-Restraint does not have a removable base	
Seat Position	n: <u>X</u> Re	armost, mid-heightMid-position, mid-height ;	Foremost, mid-height
There was no	o height a	diustment	

The	re was no he						iost, mid neight
	Belted,	Rear	Handle	Sunshield ⁻	Blanket ³	Blanket	Suppressed,
	Unbelted,	facing,	(\$20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
<u> </u>	225	facing					
1_	Belted	Rear	Down	In-use	None	N/A	N/A
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed
3	Belted	Rear	Upright	In-use	None	N/A	N/A
4	Belted	Rear	Upright	Stowed	None	N/A	N/A
5	Belted	Rear	Down	In-use	On	N/A	N/A
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed
7	Belted	Rear	Upright	In-use	On	N/A	N/A
8	Belted	Rear	Upright	Stowed	On	N/A	N/A
â	Belted	Rear	Down	In-use	N/A	On	N/A
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed
1 1	Belted	Rear	Upright	In-use	N/A	On	N/A
12	Belted	Rear	Upright	Stowed	N/A	On	N/A
13	Unbelted	Rear	Down	In-use	None	N/A	N/A
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed
15	Unbelted	Rear	Upright	In-use	None	N/A	N/A
16	Unbelted	Rear	Upright	Slowed	None	N/A	N/A
17	Unbelted	Rear	Down	In-use	On	N/A	N/A
18	Unbelted	Rear	Down	Stowed	On .	N/A	Suppressed
19	Unbelted	Rear	Upright	In-use	On	N/A	N/A
20	Unbelted	Rear	Upright	Stowed	On	N/A	N/A
21	Unbelted	Rear	Down	In-use	N/A	Ori	N/A
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed
23	Unbelted	Rear	Upright	In-use	N/A	On	N/A
24	Unbelted	Rear	Upright	Stowed	N/A	On	N/A
25	225	Rear	Down	In-use	None	N/A	N/A
26	225	Rear	Down	Stowed	None	N/A	N/A
27	225	Rear	Upright	In-use	None	N/A	N/A
28	225	Rear	Upright	Stowed	None	N/A	N/A
29	225	Roar	Down	In-use	On	N/A	N/A
30	225	Rear	Down	Stowed	On	N/A	N/A
31	225	Rear	Upright	In-use	On	N/A	N/A
32	225	Rear	Upright	Stowed	On	N/A	N/A
33	225	Rear	Down	In-use	N/A	On	N/A
34	225	Rear	Down	Stowed	N/A	On	N/A
35	225	Rear	Upright	In-use	N/A	On	N/A
36	225	Rear	Upright	Stowed	N/A	On	N/A
50	220	iwai	Opingin	Stowed	1,017	UII	14/71

	Belted,	Rear	Handle	Sunshield*	Blanket⁵	Blanket*	Suppressed,
	Unbelted,	facing,	(S20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
	225	facing					
37	Belted	Forward"	Down	In-use	None	N/A	N/A
38	Belted	Forward ⁵	Down	Stowed	None	N/A	Suppressed
39	Belted	Forward ⁵	Upright	In-use	None	N/A	N/A
40	Belted	Forward"	Upright	Stowed	None	N/A	N/A
41	Belted	Forward ⁵	Down	In-use	On	N/A	N/A
42	Belted	Forward ⁵	Down	Stowed	On	N/A	Suppressed
43	Belted	Forward	Upright	In-use	On	N/A	N/A
44	Belted	Forward ⁵	Upright	Stowed	On	N/A	N/A
45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
46	Belted	Forward ³	Down	Stowed	N/A	On	Suppressed
47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
48	Belted	Forward	Upright	Stowed	N/A	On	N/A
49	Unbelted	Forward	Down	In-use	None	N/A	N/A
50	Unbelted	Forward	Down	Stowed	None	N/A	Suppressed
5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
54	Unbelted	Forward	Down	Stowed	On	N/A	Suppressed
55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
57	Unbelted	Forward	Down	In-use	N/A	On	N/A
58	Unbelted	Forward	Down	Stowed	N/A	On	Suppressed
59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
61	225	Forward"	Down	In-use	None	N/A	N/A
62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
64	225	Forward"	Upright	Stowed	None	N/A	N/A
65	225	Forward ⁵	Down	In-use	On	N/A	N/A
66	225	Forward ⁵	Down	Stowed	On	N/A	N/A
67	225	Forward ²	Upright	In-use	On	N/A	N/A
68	225	Forward ⁵	Upright	Stowed	On	N/A	N/A
69	225	Forward ⁵	Down	In-use	N/A	On	N/A
70	225	Forward*	Down	Stowed	N/A	On	N/A
71	225	Forward ⁵	Upright	In-use	N/A	On	N/A
72	225	Forward	Upright	Stowed	N/A	On	N/A

If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
"Down" means the child restraint manufacturer's recommended position or there is no handle.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

³ Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.

^{20.} Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.

^{21.} Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).) ______0.3 kg (S20.1.5)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies. Rows 1 through 12: The seat belt tension was 128.1 N for belted positions.

Rows 37 through 48: The seat belt tension was 128.1 N for belted positions.

NHTSA No.	C30102		_	Test I	Date:_	10/08-09/02	
Laboratory: _	VRTC	Te	est Technician(s):	C. Case,	В. \$п	nith, G. Fout	
Child Restrai	int Name,	Model, Date of Man	ufacture: Century	Encore			
Base:On	Off X	_N/A-Restraint does	not have a remov	able base			
Seat Position	n: Re:	armost, mid-height i	Mid-position, n	nid-height	<u>X</u> F	Foremost, mid-heig	ht
Thousand a	- 1	director and					

_ ine	re was no he						
	Belted, Unbelted, FMVSS	Rear facing, Forward	Handle ² (S20.1.3)	Sunshield ² (\$20.1.4)	Blanket ³ Position 1 (S20.1.5(a))	Blanket ² Position 2 (S20.1.5(b))	Suppressed, FAIL, Or N/A
	225	facing	_				
1	Belted	Rear	Down	In-use	None	N/A	N/A
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed
3	Belted	Rear	Upright	In-use	None	N/A	N/A
4	Belted	Rear	Upright	Stowed	None	N/A	N/A
5	Belted	Roar	Down	In-use	On	N/A	N/A
Ĝ	Belted	Rear	Down	Stowed	On	N/A	Suppressed
7	Belted	Rear	Upright	In-use	On	N/A	N/A
8	Belted	Rear	Upright	Stowed	On	N/A	N/A
ð	Belted	Rear	Down	In-use	N/A	On	N/A
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed
11	Belted	Rear	Upright	In-use	N/A	On	N/A
12	Belted	Rear	Upright	Stowed	N/A	On	N/A
13	Unbelted	Rear	Down	In-use	None	N/A	N/A
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed
15	Unbelted	Rear	Upright	In-use	None	N/A	N/A
16	Unbelted	Rear	Upright	Slowed	None	N/A	N/A
17	Unbelted	Rear	Down	In-use	On	N/A	N/A
18	Unbelted	Rear	Down	Stowed	On	N/A	Suppressed
19	Unbelted	Rear	Upright	In-use	On	N/A	N/A
20	Unbelted	Rear	Upright	Stowed	On	N/A	N/A
21	Unbelted	Rear	Down	In-use	N/A	Ori	N/A
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed
23	Unbelted	Rear	Upright	In-use	N/A	On	N/A
24	Unbelted	Rear	Upright	Stowed	N/A	On	N/A
25	225	Rear	Down	In-use	None	N/A	N/A
26	225	Rear	Down	Stowed	None	N/A	N/A
27	225	Rear	Upright	In-use	None	N/A	N/A
28	225	Rear	Upright	Stowed	None	N/A	N/A
29	225	Roar	Down	In-use	On	N/A	N/A
30	225	Rear	Down	Stowed	On	N/A	N/A
31	225	Rear	Upright	In-use	On	N/A	N/A
32	225	Rear	Upright	Stowed	On	N/A	N/A
33	225	Rear	Down	In-use	N/A	On	N/A
34	225	Rear	Down	Stowed	N/A	On	N/A
35	225	Rear	Upright	In-use	N/A	On	N/A
36	225	Rear	Upright	Stowed	N/A	On	N/A
30	220	LVeal	Opingin	Stowed	IMM	l OII	IWA

FMVSS Forward fading Forward Forward Down In-use None N/A N/A N/A		Belted,	Rear	Handle	Sunshield ²	Blanket⁵	Blanket*	Suppressed,
225		Unbelted,		(S20.1.3)	(S20.1.4)	I	I	
37 Belted Forward Down In-use None N/A N/A Suppressed						(S20.1.5(a))	(S20.1.5(b))	Or N/A
38 Belted Forward* Down Stowed None N/A Suppressed 39 Belted Forward* Upright In-use None N/A N/A 40 Belted Forward* Upright Stowed None N/A N/A 41 Belted Forward* Down In-use On N/A N/A 42 Belted Forward* Upright In-use On N/A N/A 43 Belted Forward* Upright Stowed On N/A N/A 44 Belted Forward* Down In-use N/A On N/A 45 Belted Forward* Down Stowed N/A On N/A 47 Belted Forward* Down In-use N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbel							B1/4	11/2
39 Belted Forward* Upright In-use None N/A N/A 40 Belted Forward* Upright Stowed None N/A N/A 41 Belted Forward* Down In-use On N/A N/A 42 Belted Forward* Upright In-use On N/A N/A 43 Belted Forward* Upright In-use On N/A N/A 44 Belted Forward* Down In-use N/A On N/A 45 Belted Forward* Down Stowed N/A On SUPressed 46 Belted Forward* Upright In-use N/A On N/A 47 Belted Forward* Down In-use None N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50<								
40 Belted Forward ¹ Upright Stowed None N/A N/A 41 Belted Forward ³ Down In-use On N/A N/A 42 Belted Forward ³ Down Stowed On N/A N/A 43 Belted Forward ³ Down In-use On N/A N/A 44 Belted Forward ³ Down In-use N/A On N/A 45 Belted Forward ³ Down Stowed N/A On N/A 46 Belted Forward ³ Down Stowed N/A On N/A 47 Belted Forward ³ Upright In-use N/A On N/A 48 Belted Forward Down In-use None N/A N/A 50 Unbelted Forward Upright In-use None N/A N/A 51 Un	$\overline{}$							
41 Belted Forward³ Down In-use On N/A N/A 42 Belted Forward³ Down Stowed On N/A N/A 43 Belted Forward³ Upright In-use On N/A N/A 44 Belted Forward³ Down In-use N/A On N/A 45 Belted Forward³ Down Stowed N/A On N/A 46 Belted Forward³ Upright In-use N/A On N/A 47 Belted Forward³ Upright In-use N/A On N/A 48 Belted Forward³ Down In-use N/A On N/A 50 Unbelted Forward³ Down In-use None N/A N/A 51 Unbelted Forward³ Down In-use None N/A N/A 52 Unbelted								
42 Belted Forward³ Down Stowed On N/A Suppressed 43 Belted Forward³ Upright In-use On N/A N/A 44 Belted Forward³ Down Stowed On N/A N/A 45 Belted Forward³ Down Stowed N/A On N/A 46 Belted Forward³ Upright In-use N/A On N/A 47 Belted Forward³ Upright In-use N/A On N/A 48 Belted Forward³ Upright In-use None N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down In-use None N/A N/A 51 Unbelted Forward Down In-use On N/A N/A 54 <td></td> <td></td> <td></td> <td></td> <td>Stowed</td> <td>l</td> <td>l</td> <td></td>					Stowed	l	l	
43 Belted Forward' Upright In-use On N/A N/A 44 Belted Forward' Upright Stowed On N/A N/A 45 Belted Forward' Down In-use N/A On N/A 46 Belted Forward' Down Stowed N/A On N/A 47 Belted Forward' Upright In-use N/A On N/A 48 Belted Forward' Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Upright In-use None N/A N/A 51 Unbelted Forward Upright Stowed None N/A N/A 51 Unbelted Forward Down Stowed On N/A N/A 55 Unbel					In-use	On		N/A
44 Belted Forward* Upright Stowed On N/A N/A 45 Belted Forward* Down In-use N/A On N/A 46 Belted Forward* Down Stowed N/A On N/A 47 Belted Forward* Upright In-use N/A On N/A 48 Belted Forward* Upright In-use N/A On N/A 48 Belted Forward* Upright Stowed N/A On N/A 49 Unbelted Forward Down Stowed None N/A N/A 50 Unbelted Forward Upright In-use None N/A N/A 51 Unbelted Forward Upright Stowed None N/A N/A 52 Unbelted Forward Upright In-use On N/A N/A 55 Un								
45 Belted Forward³ Down In-use N/A On N/A 46 Belted Forward³ Down Stowed N/A On Suppressed 47 Belted Forward³ Upright In-use N/A On N/A 48 Belted Forward³ Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down Stowed None N/A N/A 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Down In-use On N/A N/A 53 Unbelted Forward Down Stowed On N/A N/A 54 Unbelted Forward Upright Stowed On N/A N/A 55 Un				Upright	In-use			
46 Belted Forward* Down Stowed N/A On Suppressed 47 Belted Forward* Upright In-use N/A On N/A 48 Belted Forward* Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down Stowed None N/A N/A 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Down In-use On N/A N/A 53 Unbelted Forward Down Stowed On N/A N/A 54 Unbelted Forward Upright In-use On N/A N/A 55 Unbelted Forward Down In-use N/A On N/A 56 U	44	Belted	Forward ⁵	Upright	Stowed	On	N/A	N/A
47 Belted Forward* Upright In-use N/A On N/A 48 Belted Forward* Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down Stowed None N/A N/A 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Down In-use On N/A N/A 53 Unbelted Forward Down Stowed On N/A N/A 54 Unbelted Forward Upright In-use On N/A N/A 55 Unbelted Forward Upright Stowed On N/A N/A 57 Unbelted Forward Down Stowed N/A On N/A 58 Unbe	45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
48 Betted Forward* Upright Stowed N/A On N/A 49 Unbetted Forward Down In-use None N/A N/A 50 Unbetted Forward Down Stowed None N/A N/A 51 Unbetted Forward Upright In-use None N/A N/A 52 Unbetted Forward Upright Stowed None N/A N/A 53 Unbetted Forward Down In-use On N/A N/A 54 Unbetted Forward Down Stowed On N/A N/A 55 Unbetted Forward Upright In-use N/A On N/A 56 Unbetted Forward Down Stowed N/A On N/A 57 Unbetted Forward Down Stowed N/A On N/A 59 Unbe	46	Belted	Forward*	Down	Stowed	N/A	On	Suppressed
49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down Stowed None N/A Suppressed 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Upright Stowed None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A 54 Unbelted Forward Down Stowed On N/A N/A 55 Unbelted Forward Upright In-use On N/A N/A 56 Unbelted Forward Down In-use N/A On N/A 57 Unbelted Forward Down Stowed N/A On N/A 58 Unbelted Forward Upright In-use N/A On N/A 69	47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
50UnbeltedForwardDownStowedNoneN/ASuppressed51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A54UnbeltedForwardDownStowedOnN/AN/A55UnbeltedForwardUprightIn-useOnN/AN/A56UnbeltedForwardUprightStowedOnN/AN/A57UnbeltedForwardDownIn-useN/AOnN/A58UnbeltedForwardDownStowedN/AOnN/A59UnbeltedForwardUprightIn-useN/AOnN/A60UnbeltedForwardUprightStowedN/AOnN/A61225ForwardDownIn-useNoneN/AN/A62225ForwardDownStowedNoneN/AN/A64225ForwardDownIn-useOnN/AN/A65225ForwardDownStowedOnN/AN/A66225ForwardUprightIn-useOnN/AN/A67225ForwardDownIn-useOnN/AN/A69225ForwardDown <t< td=""><td>48</td><td>Belted</td><td>Forward</td><td>Upright</td><td>Stowed</td><td>N/A</td><td>On</td><td>N/A</td></t<>	48	Belted	Forward	Upright	Stowed	N/A	On	N/A
51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Upright Stowed None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A 54 Unbelted Forward Down Stowed On N/A N/A 55 Unbelted Forward Upright In-use On N/A N/A 56 Unbelted Forward Down In-use N/A On N/A 57 Unbelted Forward Down Stowed N/A On N/A 58 Unbelted Forward Down Stowed N/A On N/A 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225<	49	Unbelted	Forward	Down	In-use	None	N/A	N/A
52 Unbelted Forward Upright Stowed None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A 54 Unbelted Forward Down Stowed On N/A Suppressed 55 Unbelted Forward Upright In-use On N/A N/A 56 Unbelted Forward Upright Stowed On N/A N/A 57 Unbelted Forward Down In-use N/A On N/A 58 Unbelted Forward Down Stowed N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Upright Stowed None N/A N/A 66 225 Forward Down In-use None N/A N/A 67 225 Forward Down In-use On N/A N/A 68 225 Forward Down Stowed On N/A N/A 68 225 Forward Upright In-use On N/A N/A 68 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright Stowed On N/A N/A 69 225 Forward Down Stowed On N/A N/A 69 225 Forward Down In-use N/A N/A 69 225 Forward Down In-use N/A On N/A	50	Unbelted	Forward	Down	Stowed	None	N/A	Suppressed
53 Unbelted Forward Down In-use On N/A N/A 54 Unbelted Forward Down Stowed On N/A Suppressed 55 Unbelted Forward Upright In-use On N/A N/A 56 Unbelted Forward Upright Stowed On N/A N/A 57 Unbelted Forward Down In-use N/A On N/A 58 Unbelted Forward Down In-use N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Down Stowed None N/A N/A 66 225 Forward Down Stowed None N/A N/A 67 225 Forward Down In-use On N/A N/A 68 225 Forward Down Stowed On N/A N/A 69 225 Forward Down In-use On N/A N/A 69 225 Forward Down In-use N/A N/A 69 225 Forward Down In-use N/A On N/A	5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
54 Unbelted Forward Down Stowed On N/A Suppressed 55 Unbelted Forward Upright In-use On N/A N/A 56 Unbelted Forward Upright Stowed On N/A N/A 57 Unbelted Forward Down In-use N/A On N/A 58 Unbelted Forward Down Stowed N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Upright Stowed None N/A N/A 66 225 Forward Down Stowed None N/A N/A 67 225 Forward Down In-use On N/A N/A 68 225 Forward Down Stowed On N/A N/A 69 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright Stowed On N/A N/A 69 225 Forward Down In-use N/A On N/A	52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
55 Unbelted Forward Upright In-use On N/A N/A 56 Unbelted Forward Upright Stowed On N/A N/A 57 Unbelted Forward Down In-use N/A On N/A 58 Unbelted Forward Down Stowed N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Down Stowed None N/A N/A 66 225 Forward Down In-use None N/A N/A 67 225 Forward Down Stowed None N/A N/A 68 225 Forward Down In-use On N/A N/A 69 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright Stowed On N/A N/A 69 225 Forward Down In-use On N/A N/A 69 225 Forward Down In-use N/A On N/A 70 225 Forward Down Stowed N/A On N/A 71 225 Forward Down Stowed N/A On N/A 72 225 Forward Down Stowed N/A On N/A 73 225 Forward Down Stowed N/A On N/A	53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
56 Unbelted Forward Upright Stowed On N/A N/A 57 Unbelted Forward Down In-use N/A On N/A 58 Unbelted Forward Down Stowed N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Upright In-use None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Down In-use None N/A N/A 66 225 Forward Down In-use On N/A N/A 67 225 Forward Down Stowed On N/A N/A 68 225 Forward Down Stowed On N/A N/A 69 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright Stowed On N/A N/A 69 225 Forward Upright Stowed On N/A N/A 69 225 Forward Down In-use On N/A N/A 69 225 Forward Down In-use N/A On N/A 70 225 Forward Down Stowed N/A On N/A 71 225 Forward Down Stowed N/A On N/A 72 225 Forward Down Stowed N/A On N/A 73 225 Forward Down Stowed N/A On N/A	54	Unbelted	Forward	Down	Stowed	On	N/A	Suppressed
57 Unbelted Forward Down In-use N/A On N/A 58 Unbelted Forward Down Stowed N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Upright In-use None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Down Stowed None N/A N/A 66 225 Forward Down In-use On N/A N/A 66 225 Forward Down Stowed On N/A N/A 67 225 Forward Upright In-use On N/A N/A 68 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright Stowed On N/A N/A 69 225 Forward Down In-use On N/A N/A 69 225 Forward Down In-use N/A On N/A 70 225 Forward Down Stowed N/A On N/A 71 225 Forward Down Stowed N/A On N/A	55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
58 Unbelted Forward Down Stowed N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Down In-use On N/A N/A 66 225 Forward Down Stowed On N/A N/A 66 225 Forward Down Stowed On N/A N/A 67 225 Forward Upright In-use On N/A N/A 68 225 Forward Upright In-use On N/A N/A 69 225 Forward Down Stowed On N/A N/A 69 225 Forward Down In-use N/A N/A 69 225 Forward Down In-use N/A On N/A 69 225 Forward Down In-use N/A On N/A 70 225 Forward Down Stowed N/A On N/A 71 225 Forward Upright In-use N/A On N/A	56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
59 Unbetted Forward Upright In-use N/A On N/A 60 Unbetted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright Stowed None N/A N/A 65 225 Forward Down In-use On N/A N/A 66 225 Forward Down In-use On N/A N/A 67 225 Forward Upright In-use On N/A N/A 68 225 Forward Upright In-use On N/A N/A 69 225 Forward Down Stowed On N/A N/A 69 225 Forward Down In-use On N/A N/A 69 225 Forward Down Stowed On N/A N/A 69 225 Forward Down In-use N/A On N/A 69 225 Forward Down In-use N/A On N/A 69 225 Forward Down Stowed N/A On N/A	57	Unbelted	Forward	Down	In-use	N/A	On	N/A
60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright Stowed None N/A N/A 65 225 Forward Down In-use On N/A N/A 66 225 Forward Upright In-use On N/A N/A 67 225 Forward Upright Stowed On N/A N/A 69 225 Forward Down In-use N/A On N/A 70 225 Forward Down Stowed N/A On N/A 71 225 Forward <td< td=""><td>58</td><td>Unbelted</td><td>Forward</td><td>Down</td><td>Stowed</td><td>N/A</td><td>On</td><td>Suppressed</td></td<>	58	Unbelted	Forward	Down	Stowed	N/A	On	Suppressed
61 225 Forward ¹ Down In-use None N/A N/A 62 225 Forward ⁵ Down Stowed None N/A N/A 63 225 Forward ⁵ Upright In-use None N/A N/A 64 225 Forward ⁵ Down In-use On N/A N/A 65 225 Forward ⁵ Down Stowed On N/A N/A 67 225 Forward ⁵ Upright In-use On N/A N/A 68 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁵ Down Stowed N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
62 225 Forward ^b Down Stowed None N/A N/A 63 225 Forward ^b Upright In-use None N/A N/A 64 225 Forward ^b Upright Stowed None N/A N/A 65 225 Forward ^b Down In-use On N/A N/A 66 225 Forward ^b Upright In-use On N/A N/A 67 225 Forward ^b Upright Stowed On N/A N/A 69 225 Forward ^b Down In-use N/A On N/A 70 225 Forward ^b Down Stowed N/A On N/A 71 225 Forward ^b Upright In-use N/A On N/A	60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
63 225 Forward ⁵ Upright In-use None N/A N/A 64 225 Forward ⁵ Upright Stowed None N/A N/A 65 225 Forward ⁵ Down In-use On N/A N/A 66 225 Forward ⁵ Down Stowed On N/A N/A 67 225 Forward ⁵ Upright Stowed On N/A N/A 68 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁵ Down Stowed N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	61	225	Forward ²	Down	In-use	None	N/A	N/A
64 225 Forward ^a Upright Stowed None N/A N/A 65 225 Forward ^a Down In-use On N/A N/A 66 225 Forward ^a Down Stowed On N/A N/A 67 225 Forward ^a Upright In-use On N/A N/A 68 225 Forward ^a Down In-use N/A On N/A 70 225 Forward ^a Down Stowed N/A On N/A 71 225 Forward ^b Upright In-use N/A On N/A	62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
65 225 Forward ⁵ Down In-use On N/A N/A 66 225 Forward ⁵ Down Stowed On N/A N/A 67 225 Forward ⁵ Upright In-use On N/A N/A 68 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁶ Down Stowed N/A On N/A 71 225 Forward ⁶ Upright In-use N/A On N/A	63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
65 225 Forward ⁵ Down In-use On N/A N/A 66 225 Forward ⁵ Down Stowed On N/A N/A 67 225 Forward ⁵ Upright In-use On N/A N/A 68 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁶ Down Stowed N/A On N/A 71 225 Forward ⁶ Upright In-use N/A On N/A	64	225	Forward*		Stowed	None	N/A	N/A
66 225 Forward ⁵ Down Stowed On N/A N/A 67 225 Forward ⁵ Upright In-use On N/A N/A 68 225 Forward ⁵ Upright Stowed On N/A N/A 69 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁵ Upright In-use N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	65	225		Down	In-use	On	N/A	N/A
68 225 Forward ⁵ Upright Stowed On N/A N/A 69 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁵ Down Stowed N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	66	225		Down	Stowed	On	N/A	N/A
68 225 Forward ⁵ Upright Stowed On N/A N/A 69 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁵ Down Stowed N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	67	225	Forward ²	Upright	In-use	On	N/A	N/A
70 225 Forward ¹ Down Stowed N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	68					On		
70 225 Forward ¹ Down Stowed N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	69	225	Forward ⁵	Down	In-use	N/A	On	N/A
71 225 Forward ⁵ Upright In-use N/A On N/A	70	225						N/A
	71				In-use			
	72	225		Upright	Stowed	N/A	On	N/A

- If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
 "Down" means the child restraint manufacturer's recommended position or there is no handle.
- 2 If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."
- 3 Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.
- 22. Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.
- 23. Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies. Rows 1 through 12 and 37 through 48: The seat belt tension was 128.1 N for belted

positions.

Rows 2, 6, and 10: The seat position was 6 detents rear of foremost because of restraint contact with the instrument panel.

Rows 14, 18, and 22: The seat position was 11 detents rear of foremost because of restraint contact with the instrument panel.

NHTSA No. <u>C30102</u>	Test Date:10/08-09/02
Laboratory: VRTC	Test Technician(s): <u>C. Case, B. Smith. G. Fout</u>
Child Restraint Name,	Model, Date of Manufacture: Century Encore
Base:OnOff X	_N/A-Restraint does not have a removable base
Seat Position: Re	armost, mid-height X_Mid-position, mid-height Foremost, mid-height
There were no height a	diustment

<u> </u>	re was no he	eignt aajusti	ment.				
	Belted, Unbelted, FMVSS 225	Rear facing, Forward facing	Handle [*] (S20.1.3)	Sunshield ² (\$20.1.4)	Blanket ³ Position 1 (S20.1.5(a))	Blanket ² Position 2 (S20.1.5(b))	Suppressed, FAIL, Or N/A
1	Belted	Rear	Down	In-use	None	N/A	N/A
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed
3	Belted	Rear	Upright	In-use	None	N/A	N/A
4	Belted	Rear	Upright	Stowed	None	N/A	N/A
5	Belted	Rear	Down	In-use	On	N/A	N/A
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed
7	Belted	Rear	Upright	In-use	On	N/A	N/A
8	Belted	Rear	Upright	Stowed	On	N/A	N/A
ð	Belted	Rear	Down	In-use	N/A	On	N/A
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed
11	Belted	Rear	Upright	In-use	N/A	On	N/A
12	Belted	Rear	Upright	Stowed	N/A	On	N/A
13	Unbelted	Rear	Down	In-use	None	N/A	N/A
14	Unbelted	Rear	Down	Stowed	None	N/A	N/A
15	Unbelted	Rear	Upright	In-use	None	N/A	N/A
16	Unbelted	Rear	Upright	Slowed	None	N/A	N/A
17	Unbelted	Rear	Down	In-use	On	N/A	N/A
18	Unbelted	Rear	Down	Stowed	On	N/A	N/A
19	Unbelted	Rear	Upright	In-use	On	N/A	N/A
20	Unbelted	Rear	Upright	Stowed	On	N/A	N/A
21	Unbelted	Rear	Down	In-use	N/A	Ori	N/A
22	Unbelfed	Rear	Down	Stowed	N/A	On	N/A
23	Unbelted	Rear	Upright	In-use	N/A	On	N/A
24	Unbelted	Rear	Upright	Stowed	N/A	On	N/A
25	225	Rear	Down	In-use	None	N/A	N/A
26	225	Rear	Down	Stowed	None	N/A	N/A
27	225	Rear	Upright	In-use	None	N/A	N/A
28	225	Rear	Upright	Stowed	None	N/A	N/A
29	225	Rear	Down	In-use	On	N/A	N/A
-		Rear	Down	Stowed	On	N/A	N/A
31	225	Rear	Upright	In-use	On	N/A	N/A
32	225	Rear	Upright	Stowed	On	N/A	N/A
33	225	Rear	Down	In-use	N/A	On	N/A
34	225	Rear	Down	Stowed	N/A	On	N/A
35	225	Rear	Upright	In-use	N/A	On	N/A
36	225	Rear	Upright	Stowed	N/A	On	N/A

Unbelted, Forward Forward facing, Forward facing 37 Belted Forward facing 38 Belted Forward Down Stowed None N/A Suppressed 39 Belted Forward Upright In-use None N/A N/A 40 Belted Forward Down Stowed None N/A N/A 41 Belted Forward Down Stowed None N/A N/A 42 Belted Forward Down Stowed On N/A Suppressed 43 Belted Forward Upright In-use On N/A N/A 44 Belted Forward Upright In-use On N/A N/A 45 Belted Forward Upright Stowed On N/A N/A 46 Belted Forward Upright Stowed On N/A N/A 47 Belted Forward Upright Stowed On N/A N/A 48 Belted Forward Down In-use N/A On N/A 49 Unbelted Forward Down Stowed N/A On N/A 40 Belted Forward Down Stowed N/A On N/A 41 Belted Forward N/A On N/A 42 Belted Forward N/A On N/A 43 Belted Forward Down Stowed N/A On N/A 44 Belted Forward N/A On Suppressed 45 Belted Forward Down Stowed N/A On N/A 46 Belted Forward Down Stowed N/A On N/A 47 Belted Forward Down In-use N/A On N/A 48 Belted Forward Down In-use None N/A N/A 49 Unbelted Forward Down Stowed None N/A N/A 50 Unbelted Forward Down Stowed None N/A N/A 50 Unbelted Forward Down Stowed None N/A N/A 51 Unbelted Forward Upright Stowed None N/A N/A 52 Unbelted Forward Down In-use On N/A N/A 54 Unbelted Forward Down In-use On N/A N/A 55 Unbelted Forward Down In-use On N/A N/A 56 Unbelted Forward Down In-use On N/A N/A 57 Unbelted Forward Down In-use On N/A N/A	
225 facing 37 Belted Forward Down In-use None N/A N/A 38 Belted Forward Down Stowed None N/A Suppressed 39 Belted Forward Upright In-use None N/A N/A 40 Belted Forward Down In-use On N/A N/A 41 Belted Forward Down In-use On N/A N/A 42 Belted Forward Down Stowed On N/A Suppressed 43 Belted Forward Upright In-use On N/A N/A 44 Belted Forward Down Stowed On N/A N/A 45 Belted Forward Down In-use N/A On N/A 46 Belted Forward Down In-use N/A On Suppressed 47 Belted Forward Down Stowed N/A On Suppressed 48 Belted Forward Down Stowed N/A On N/A 49 Unbelted Forward Down In-use N/A On N/A 50 Unbelted Forward Down Stowed None N/A Suppressed 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Upright Stowed None N/A N/A 53 Unbelted Forward Down In-use None N/A N/A 54 N/A N/A 55 Unbelted Forward Down In-use None N/A N/A 55 Unbelted Forward Down In-use None N/A N/A 56 Unbelted Forward Upright Stowed None N/A N/A 57 Unbelted Forward Upright Stowed None N/A N/A 58 Unbelted Forward Down In-use None N/A N/A 59 Unbelted Forward Upright Stowed None N/A N/A 50 Unbelted Forward Upright Stowed None N/A N/A	
37BeltedForward**DownIn-useNoneN/AN/A38BeltedForward**DownStowedNoneN/ASuppressed39BeltedForward**UprightIn-useNoneN/AN/A40BeltedForward**UprightStowedNoneN/AN/A41BeltedForward**DownIn-useOnN/AN/A42BeltedForward**UprightIn-useOnN/AN/A43BeltedForward**UprightIn-useOnN/AN/A44BeltedForward**UprightStowedOnN/AN/A45BeltedForward**DownIn-useN/AOnN/A46BeltedForward**UprightIn-useN/AOnN/A47BeltedForward**UprightIn-useN/AOnN/A48BeltedForward**UprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/AN/A51UnbeltedForwardUprightStowedNoneN/AN/A52UnbeltedForwardDownIn-useOnN/AN/A	
38BeltedForward5DownStowedNoneN/ASuppressed39BeltedForward5UprightIn-useNoneN/AN/A40BeltedForward6UprightStowedNoneN/AN/A41BeltedForward5DownIn-useOnN/AN/A42BeltedForward5DownStowedOnN/AN/A43BeltedForward7UprightIn-useOnN/AN/A44BeltedForward5DownIn-useN/AOnN/A45BeltedForward5DownStowedN/AOnN/A46BeltedForward5UprightIn-useN/AOnN/A47BeltedForward5UprightIn-useN/AOnN/A48BeltedForward5UprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/AN/A51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardDownIn-useOnN/AN/A	
39BeltedForward5UprightIn-useNoneN/AN/A40BeltedForward5UprightStowedNoneN/AN/A41BeltedForward5DownIn-useOnN/AN/A42BeltedForward5DownStowedOnN/AN/A43BeltedForward6UprightIn-useOnN/AN/A44BeltedForward6UprightStowedOnN/AN/A45BeltedForward6DownIn-useN/AOnN/A46BeltedForward6UprightIn-useN/AOnN/A47BeltedForward6UprightIn-useN/AOnN/A48BeltedForward6UprightStowedN/AOnN/A49UnbeltedForward6DownIn-useNoneN/AN/A50UnbeltedForward6DownStowedNoneN/AN/A51UnbeltedForward6UprightIn-useNoneN/AN/A52UnbeltedForward6UprightStowedNoneN/AN/A53UnbeltedForward6DownIn-useOnN/AN/A	
40 Belted Forward Down In-use On N/A N/A 41 Belted Forward Down In-use On N/A N/A 42 Belted Forward Down Stowed On N/A Suppressed 43 Belted Forward Upright In-use On N/A N/A 44 Belted Forward Upright Stowed On N/A N/A 45 Belted Forward Down In-use N/A On N/A 46 Belted Forward Down Stowed N/A On Suppressed 47 Belted Forward Upright In-use N/A On N/A 48 Belted Forward Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use N/A On N/A 50 Unbelted Forward Down Stowed N/A N/A 51 Unbelted Forward Upright In-use N/A N/A 52 Unbelted Forward Upright Stowed N/A N/A 53 Unbelted Forward Down In-use None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A 50 Unbelted Forward Upright Stowed None N/A N/A 51 Unbelted Forward Upright Stowed None N/A N/A 52 Unbelted Forward Down In-use None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A	
41BeltedForward*DownIn-useOnN/AN/A42BeltedForward*DownStowedOnN/ASuppressed43BeltedForward*UprightIn-useOnN/AN/A44BeltedForward*UprightStowedOnN/AN/A45BeltedForward*DownIn-useN/AOnN/A46BeltedForward*UprightIn-useN/AOnN/A47BeltedForward*UprightIn-useN/AOnN/A48BeltedForward*UprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/AN/A51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
42BeltedForward³DownStowedOnN/ASuppressed43BeltedForward³UprightIn-useOnN/AN/A44BeltedForward³UprightStowedOnN/AN/A45BeltedForward³DownIn-useN/AOnN/A46BeltedForward³UprightIn-useN/AOnN/A47BeltedForward³UprightIn-useN/AOnN/A48BeltedForward³UprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/AN/A51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
43BeltedForwardUprightIn-useOnN/AN/A44BeltedForwardUprightStowedOnN/AN/A45BeltedForwardDownIn-useN/AOnN/A46BeltedForwardDownStowedN/AOnSuppressed47BeltedForwardUprightIn-useN/AOnN/A48BeltedForwardUprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/AN/A51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
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46BeltedForward**DownStowedN/AOnSuppressed47BeltedForward**UprightIn-useN/AOnN/A48BeltedForward**UprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/ASuppressed51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
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53 Unbelted Forward Down In-use On N/A N/A	
EA Habakad Familia Barra Carrad Ca 1874	
54 Unbelted Forward Down Stowed On N/A Suppressed	
55 Unbelted Forward Upright In-use On N/A N/A	
56 Unbetted Forward Upright Stowed On N/A N/A	
57 Unbelted Forward Down In-use N/A On N/A	
58 Unbelted Forward Down Stowed N/A On Suppressed	
59 Unbelted Forward Upright In-use N/A On N/A	
60 Unbelted Forward Upright Stowed N/A On N/A	
61 225 Forward* Down In-use None N/A N/A	
62 225 Forward ⁵ Down Stowed None N/A N/A	
63 225 Forward ⁵ Upright In-use None N/A N/A	
64 225 Forward [®] Upright Stowed None N/A N/A	
65 225 Forward ⁵ Down In-use On N/A N/A	
66 225 Forward ⁵ Down Stowed On N/A N/A	
67 225 Forward ⁹ Upright In-use On N/A N/A	
68 225 Forward ⁵ Upright Stowed On N/A N/A	
69 225 Forward ⁵ Down In-use N/A On N/A	
70 225 Forward ^o Down Stowed N/A On N/A	
71 225 Forward ⁵ Upright In-use N/A On N/A	
72 225 Forward ⁵ Upright Stowed N/A On N/A	

- 1 If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright." "Down" means the child restraint manufacturer's recommended position or there is no handle.
- 2 If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."
- 3 Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.
- 24. Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.
- 25. Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies. Rows 1 through 12 and 37 through 48: The seat belt tension was 128.1 N for belted positions.

Rows 14, 18, and 22: These positions were the same as those required for foremost. See the data sheet for the foremost position to see the results.

NHTSA	. No	C30102		Test	ate:	10/09/02	
Laborat	ory: _	VRTC	Test Technic	cian(s): <u>C. Case,</u>	G. Fout,	B. Smith	
			arward Mi d position <u>X</u> (sted.) (S20.3.1, 22.3.1, S24.		a separa	ate sheet for each o	f the
Do NOT	Tuses	eat belts f	r these tests.				
_ _ _	Suppr After s Suppr After s Suppr (S22) After s Suppr After s	ession Tosection 4 ession Tesection ession Tesection ession Tesection ession Tesection ession Tesection	test is being performed after t Using 12-Month-Old CRAE of the data sheet t Using Newborn Infant Dum of the data sheet t Using 3-Year-Old Dummy of the data sheet t Using an Unbelted 3-Year- of the data sheet t Using 6 Year-Old-Dummy	I Dummy (S20) Imy (S20) and Booster Seats and Forward Facir Old Dummy (S22)	i (S22) ng Conve	ertible Child Restrai	nts
_	Afters	section	of the data sheet t Using 6 Year-Old-Dummy		(024.2.	''	
<u>X_</u> 2.	Leave	the seat i	of the data sheet the position used for the su fioning for a crash test.)	ppression test. (D	o NOT r	ecline the seat bac	k as it
X_3.	Place should	the dumm I not be to	r in the seat with the legs at iching the seat cushion. (S1)	5.3.3.1.2)			
<u>X_</u> 4.	(\$16.3	3.3.1.3 or \$	my midsagittal plane vertica 16.3.3.1.4)				
<u>X_</u> 5.		lown the d .(\$16.3.3)	ımmy's thighs and push rear .5)	ward on the uppe	r torso to	maximize the pelv	ic
<u>X</u> 6. <u>X</u> 7	Set the Set the to 6.7	e angl <mark>e</mark> be c transver: inches). (ween the legs and the thigh e distance between the cent enter the knee separation w	ers of the front of	the knee	s at 160 to 170 mm	
<u>X_</u> 8.	Push calves Pel	rearward o contact th lvis contact	paration <u>165.1</u> mm in the dummy's knees until the e seat cushion, whichever o ed seat back.			back, or the backs	of the
<u>X</u> 9.	Gently	rock the i	ted seat cushion. pper torso +/- 5 degrees (ap				ree
<u>N/A</u> 10.	If need	ded, exten	he friction between the dumi I the legs until the feet do no on. (\$16.3.3.1.8)				resting
<u>X_</u> 11.	If the ((0.2 in contact X N/	dummy co iches) is a ct. (S16.3. 'A No cont	itacts the interior move the s hieved or the seat is in the o 3.1.8)	losest detent posi			
	_	Measure	d Clearance act. Seat set at nearest dete	_ mm			
	_ 50		ict. Seat set at nearest dete ition — detent positions re		and		

	(full forward is position zero)	
<u>X</u> 12.		ht. (S16.3.3.1.9)
X 13	Verify the dummy abdomen is properly installed.	
X 14.	Measure and set the pelvic angle using the pelvic	
	be 20.0 degrees +/- 2.5 degrees. If the pelvic and	
	angular difference. (S16.3.3.1.11)	, a commercial control and a c
	X Pelvic angle set to 20.0 degrees +/- 2.5 degree	<u>-</u> c
	Pelvic angle of 20.0 degrees not achieved, the	
	X Record the pelvic angle. 21.6 degrees	
X_15.		
<u>// 10</u> .	X No contact.	onlyicing adjactnerics. (O10.0.0.1.12)
	Dummy in contact with interior.	
	Seat moved Aft mm from the prev	ious position
	Seat moved Aft detent positions for	om the previous position
X 16	—	
<u></u>	16.1 Place feet flat on the toe board. OR	(0.0.0.0.2)
	X 16.2 If the feet will not cannot be placed flat or	the toe board, set the feet perpendicular to the
	lower leg, and rest the heel as far forward on the t	
	16.3 If the heels do not touch the floor pan, set	
	the floor pan.	the regard formal and out the receptation to
X 17.	Passenger arm/hand positioning. (\$16.3.3.3)	
	X_17.1 Place the dummy's upper arms adjacent	to the torso with the arm centerlines as close to
	a vertical longitudinal plane as possible. (S16.3.2.	
	X 17.2 Place the palms of the dummy in contact	
	X_17.3 Place the little fingers in contact with the	
X_18.	Start the vehicle engine or place the ignition in the	
<u>X</u> 10.	suppression system, and close all vehicle doors.	
	whether the air bag is suppressed. (\$22.2.1.8)	(522.2.1.7) Wait to seconds, and their check
	Air Bag Suppressed – FAIL	
	X Air Bag Not Suppressed – Pass	
X 19	Return the ignition switch to the "off" position.	
<u>A</u> 10.	rectain the ignition switch to the on position.	
	e, G. Fout, B. Smith	10/09/02
I certify	that I have read and performed each instruction.	Date

NHTSA No. <u>C301</u>	02 Test Date: 10/09/02
Laboratory: VR	Test Technician(s): C. Case, B. Smith. G. Fout
Child Restraint Nan	ne, Model, Date of Manufacture: Evenflo Medalion
Base:OnOff	X_N/A-Restraint does not have a removable base
Seat Position: X	Rearmost, mid-heightMid-position, mid-height Foremost, mid-height _
There was no heigh	t adjustment

The	re was no he						iost, mid neight
	Belted,	Rear	Handle	Sunshield ⁻	Blanket ³	Blanket	Suppressed,
	Unbelted,	facing,	(\$20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
<u> </u>	225	facing					
1_	Belted	Rear	Down	In-use	None	N/A	N/A
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed
3	Belted	Rear	Upright	In-use	None	N/A	N/A
4	Belted	Rear	Upright	Stowed	None	N/A	N/A
5	Belted	Rear	Down	In-use	On	N/A	N/A
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed
7	Belted	Rear	Upright	In-use	On	N/A	N/A
8	Belted	Rear	Upright	Stowed	On	N/A	N/A
â	Belted	Rear	Down	In-use	N/A	On	N/A
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed
1 1	Belted	Rear	Upright	In-use	N/A	On	N/A
12	Belted	Rear	Upright	Stowed	N/A	On	N/A
13	Unbelted	Rear	Down	In-use	None	N/A	N/A
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed
15	Unbelted	Rear	Upright	In-use	None	N/A	N/A
16	Unbelted	Rear	Upright	Slowed	None	N/A	N/A
17	Unbelted	Rear	Down	In-use	On	N/A	N/A
18	Unbelted	Rear	Down	Stowed	On .	N/A	Suppressed
19	Unbelted	Rear	Upright	In-use	On	N/A	N/A
20	Unbelted	Rear	Upright	Stowed	On	N/A	N/A
21	Unbelted	Rear	Down	In-use	N/A	Ori	N/A
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed
23	Unbelted	Rear	Upright	In-use	N/A	On	N/A
24	Unbelted	Rear	Upright	Stowed	N/A	On	N/A
25	225	Rear	Down	In-use	None	N/A	N/A
26	225	Rear	Down	Stowed	None	N/A	N/A
27	225	Rear	Upright	In-use	None	N/A	N/A
28	225	Rear	Upright	Stowed	None	N/A	N/A
29	225	Roar	Down	In-use	On	N/A	N/A
30	225	Rear	Down	Stowed	On	N/A	N/A
31	225	Rear	Upright	In-use	On	N/A	N/A
32	225	Rear	Upright	Stowed	On	N/A	N/A
33	225	Rear	Down	In-use	N/A	On	N/A
34	225	Rear	Down	Stowed	N/A	On	N/A
35	225	Rear	Upright	In-use	N/A	On	N/A
36	225	Rear	Upright	Stowed	N/A	On	N/A
50	220	iwai	Opingin	Stowed	1,017	UII	I I WAT

Unbelted, Forward Forward facing, Forward facing 37 Belted Forward facing 38 Belted Forward Down Stowed None N/A Suppressed 39 Belted Forward Upright In-use None N/A N/A 40 Belted Forward Down Stowed None N/A N/A 41 Belted Forward Down Stowed None N/A N/A 42 Belted Forward Down Stowed On N/A Suppressed 43 Belted Forward Upright In-use On N/A N/A 44 Belted Forward Upright In-use On N/A N/A 45 Belted Forward Upright Stowed On N/A N/A 46 Belted Forward Upright Stowed On N/A N/A 47 Belted Forward Upright Stowed On N/A N/A 48 Belted Forward Down In-use N/A On N/A 49 Unbelted Forward Down Stowed N/A On N/A 40 Belted Forward Down Stowed N/A On N/A 41 Belted Forward N/A On N/A 42 Belted Forward N/A On N/A 43 Belted Forward Down Stowed N/A On N/A 44 Belted Forward N/A On Suppressed 45 Belted Forward Down Stowed N/A On N/A 46 Belted Forward Down Stowed N/A On N/A 47 Belted Forward Down In-use N/A On N/A 48 Belted Forward Down In-use None N/A N/A 49 Unbelted Forward Down Stowed None N/A N/A 50 Unbelted Forward Down Stowed None N/A N/A 50 Unbelted Forward Down Stowed None N/A N/A 51 Unbelted Forward Upright Stowed None N/A N/A 52 Unbelted Forward Down In-use On N/A N/A 54 Unbelted Forward Down In-use On N/A N/A 55 Unbelted Forward Down In-use On N/A N/A 56 Unbelted Forward Down In-use On N/A N/A 57 Unbelted Forward Down In-use On N/A N/A	
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37BeltedForward**DownIn-useNoneN/AN/A38BeltedForward**DownStowedNoneN/ASuppressed39BeltedForward**UprightIn-useNoneN/AN/A40BeltedForward**UprightStowedNoneN/AN/A41BeltedForward**DownIn-useOnN/AN/A42BeltedForward**UprightIn-useOnN/AN/A43BeltedForward**UprightIn-useOnN/AN/A44BeltedForward**UprightStowedOnN/AN/A45BeltedForward**DownIn-useN/AOnN/A46BeltedForward**UprightIn-useN/AOnN/A47BeltedForward**UprightIn-useN/AOnN/A48BeltedForward**UprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/AN/A51UnbeltedForwardUprightStowedNoneN/AN/A52UnbeltedForwardDownIn-useOnN/AN/A	
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52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
53 Unbelted Forward Down In-use On N/A N/A	
EA Habakad Familia Barra Carrad Ca 1874	
54 Unbelted Forward Down Stowed On N/A Suppressed	
55 Unbelted Forward Upright In-use On N/A N/A	
56 Unbetted Forward Upright Stowed On N/A N/A	
57 Unbelted Forward Down In-use N/A On N/A	
58 Unbelted Forward Down Stowed N/A On Suppressed	
59 Unbelted Forward Upright In-use N/A On N/A	
60 Unbelted Forward Upright Stowed N/A On N/A	
61 225 Forward* Down In-use None N/A N/A	
62 225 Forward ⁵ Down Stowed None N/A N/A	
63 225 Forward ⁵ Upright In-use None N/A N/A	
64 225 Forward [®] Upright Stowed None N/A N/A	
65 225 Forward ⁵ Down In-use On N/A N/A	
66 225 Forward ⁵ Down Stowed On N/A N/A	
67 225 Forward ⁹ Upright In-use On N/A N/A	
68 225 Forward ⁵ Upright Stowed On N/A N/A	
69 225 Forward ⁵ Down In-use N/A On N/A	
70 225 Forward ^o Down Stowed N/A On N/A	
71 225 Forward ⁵ Upright In-use N/A On N/A	
72 225 Forward ⁵ Upright Stowed N/A On N/A	

If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
"Down" means the child restraint manufacturer's recommended position or there is no handle.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

³ Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.

^{26.} Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.

^{27.} Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).) ______0.3 kg (S20.1.5)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies. Rows 1 through 12: The seat belt tension was 127.7 N for belted positions.

Rows 37 through 48: The seat belt tension was 121 N for belted positions.

NHTSA No.	C30102	Test Da	te: 10/09/02
Laboratory: _	VRTC	Test Technician(s): <u>C. Case, B</u>	. Smith. G. Fout
Child Restrai	int Name,	Model, Date of Manufacture: Evenflo Medalion	
Base:On	Off X	N/A-Restraint does not have a removable base	
Seat Position	n: Re:	armost, mid-height X Mid-position, mid-height $_$	Foremost, mid-height
There was no	o height a	diustment	

The	re was no he			. <u> </u>	·	_	. •
	Belted,	Rear	Handle	Sunshield ⁻	Blanket ³	Blanket	Suppressed,
	Unbelted,	facing,	(820.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS	Forward			(S20.1.5(a))	(S20.1.5(b))	Or N/A
	225	facing	_				
1_	Belted	Rear	Down	In-use	None	N/A	N/A
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed
3	Belted	Rear	Upright	In-use	None	N/A	N/A
4	Belted	Rear	Upright	Stowed	None	N/A	N/A
5	Belted	Rear	Down	In-use	On	N/A	N/A
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed
7	Belted	Rear	Upright	In-use	On	N/A	N/A
8	Belted	Rear	Upright	Stowed	On	N/A	N/A
ð	Belted	Rear	Down	In-use	N/A	On	N/A
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed
11	Belted	Rear	Upright	In-use	N/A	On	N/A
12	Belted	Rear	Upright	Stowed	N/A	On	N/A
13	Unbelted	Rear	Down	In-use	None	N/A	N/A
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed
15	Unbelted	Rear	Upright	In-use	None	N/A	N/A
16	Unbelted	Rear	Upright	Slowed	None	N/A	N/A
17	Unbelted	Rear	Down	In-use	On	N/A	N/A
18	Unbelted	Rear	Down	Stowed	On .	N/A	Suppressed
19	Unbelted	Rear	Upright	In-use	On	N/A	N/A
20	Unbelted	Rear	Upright	Stowed	On	N/A	N/A
21	Unbelted	Rear	Down	In-use	N/A	On	N/A
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed
23	Unbelted	Rear	Upright	In-use	N/A	On	N/A
24	Unbelted	Rear	Upright	Stowed	N/A	On	N/A
25	225	Rear	Down	In-use	None	N/A	N/A
26	225	Rear	Down	Stowed	None	N/A	N/A
27	225	Rear	Upright	In-use	None	N/A	N/A
28	225	Rear	Upright	Stowed	None	N/A	N/A
29	225	Roar	Down	In-use	On	N/A	N/A
30	225	Rear	Down	Stowed	On	N/A	N/A
31	225	Rear	Upright	In-use	On	N/A	N/A
32	225	Rear	Upright	Stowed	On	N/A	N/A
33	225	Rear	Down	In-use	N/A	On	N/A
34	225	Rear	Down	Stowed	N/A	On	N/A
35	225	Rear	Upright	In-use	N/A	On	N/A
36	225	Rear	Upright	Stowed	N/A	On	N/A
-00	220	itteal	Obudur	Siswou	Turt	- U	14/71

FMVSS Forward fading Forward Forward Down In-use None N/A N/A N/A		Belted,	Rear	Handle	Sunshield ²	Blanket⁵	Blanket*	Suppressed,
225		Unbelted,		(S20.1.3)	(S20.1.4)	I	I	
37 Belted Forward Down In-use None N/A N/A Suppressed						(S20.1.5(a))	(S20.1.5(b))	Or N/A
38 Belted Forward* Down Stowed None N/A Suppressed 39 Belted Forward* Upright In-use None N/A N/A 40 Belted Forward* Upright Stowed None N/A N/A 41 Belted Forward* Down In-use On N/A N/A 42 Belted Forward* Upright In-use On N/A N/A 43 Belted Forward* Upright Stowed On N/A N/A 44 Belted Forward* Down In-use N/A On N/A 45 Belted Forward* Down Stowed N/A On N/A 47 Belted Forward* Down In-use N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbel							B1/4	11/2
39 Belted Forward* Upright In-use None N/A N/A 40 Belted Forward* Upright Stowed None N/A N/A 41 Belted Forward* Down In-use On N/A N/A 42 Belted Forward* Upright In-use On N/A N/A 43 Belted Forward* Upright In-use On N/A N/A 44 Belted Forward* Down In-use N/A On N/A 45 Belted Forward* Down Stowed N/A On SUPressed 46 Belted Forward* Upright In-use N/A On N/A 47 Belted Forward* Down In-use None N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50<								
40 Belted Forward ¹ Upright Stowed None N/A N/A 41 Belted Forward ³ Down In-use On N/A N/A 42 Belted Forward ³ Down Stowed On N/A N/A 43 Belted Forward ³ Down In-use On N/A N/A 44 Belted Forward ³ Down In-use N/A On N/A 45 Belted Forward ³ Down Stowed N/A On N/A 46 Belted Forward ³ Down Stowed N/A On N/A 47 Belted Forward ³ Upright In-use N/A On N/A 48 Belted Forward Down In-use None N/A N/A 50 Unbelted Forward Upright In-use None N/A N/A 51 Un	$\overline{}$							
41 Belted Forward³ Down In-use On N/A N/A 42 Belted Forward³ Down Stowed On N/A N/A 43 Belted Forward³ Upright In-use On N/A N/A 44 Belted Forward³ Down In-use N/A On N/A 45 Belted Forward³ Down Stowed N/A On N/A 46 Belted Forward³ Upright In-use N/A On N/A 47 Belted Forward³ Upright In-use N/A On N/A 48 Belted Forward³ Down In-use N/A On N/A 50 Unbelted Forward³ Down In-use None N/A N/A 51 Unbelted Forward³ Down In-use None N/A N/A 52 Unbelted								
42 Belted Forward³ Down Stowed On N/A Suppressed 43 Belted Forward³ Upright In-use On N/A N/A 44 Belted Forward³ Down Stowed On N/A N/A 45 Belted Forward³ Down Stowed N/A On N/A 46 Belted Forward³ Upright In-use N/A On N/A 47 Belted Forward³ Upright In-use N/A On N/A 48 Belted Forward³ Upright In-use None N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down In-use None N/A N/A 51 Unbelted Forward Down In-use On N/A N/A 54 <td></td> <td></td> <td></td> <td></td> <td>Stowed</td> <td>l</td> <td>l</td> <td></td>					Stowed	l	l	
43 Belted Forward' Upright In-use On N/A N/A 44 Belted Forward' Upright Stowed On N/A N/A 45 Belted Forward' Down In-use N/A On N/A 46 Belted Forward' Down Stowed N/A On N/A 47 Belted Forward' Upright In-use N/A On N/A 48 Belted Forward' Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Upright In-use None N/A N/A 51 Unbelted Forward Upright Stowed None N/A N/A 51 Unbelted Forward Down Stowed On N/A N/A 55 Unbel					In-use	On		N/A
44 Belted Forward* Upright Stowed On N/A N/A 45 Belted Forward* Down In-use N/A On N/A 46 Belted Forward* Down Stowed N/A On N/A 47 Belted Forward* Upright In-use N/A On N/A 48 Belted Forward* Upright In-use N/A On N/A 48 Belted Forward* Upright Stowed N/A On N/A 49 Unbelted Forward Down Stowed None N/A N/A 50 Unbelted Forward Upright In-use None N/A N/A 51 Unbelted Forward Upright Stowed None N/A N/A 52 Unbelted Forward Upright In-use On N/A N/A 55 Un								
45 Belted Forward³ Down In-use N/A On N/A 46 Belted Forward³ Down Stowed N/A On Suppressed 47 Belted Forward³ Upright In-use N/A On N/A 48 Belted Forward³ Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down Stowed None N/A N/A 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Down In-use On N/A N/A 53 Unbelted Forward Down Stowed On N/A N/A 54 Unbelted Forward Upright Stowed On N/A N/A 55 Un				Upright	In-use			
46 Belted Forward* Down Stowed N/A On Suppressed 47 Belted Forward* Upright In-use N/A On N/A 48 Belted Forward* Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down Stowed None N/A N/A 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Down In-use On N/A N/A 53 Unbelted Forward Down Stowed On N/A N/A 54 Unbelted Forward Upright In-use On N/A N/A 55 Unbelted Forward Down In-use N/A On N/A 56 U	44	Belted	Forward ⁵	Upright	Stowed	On	N/A	N/A
47 Belted Forward* Upright In-use N/A On N/A 48 Belted Forward* Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down Stowed None N/A N/A 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Down In-use On N/A N/A 53 Unbelted Forward Down Stowed On N/A N/A 54 Unbelted Forward Upright In-use On N/A N/A 55 Unbelted Forward Upright Stowed On N/A N/A 57 Unbelted Forward Down Stowed N/A On N/A 58 Unbe	45	Belted	Forward ⁵	Down	In-use	N/A	On	N/A
48 Betted Forward* Upright Stowed N/A On N/A 49 Unbetted Forward Down In-use None N/A N/A 50 Unbetted Forward Down Stowed None N/A N/A 51 Unbetted Forward Upright In-use None N/A N/A 52 Unbetted Forward Upright Stowed None N/A N/A 53 Unbetted Forward Down In-use On N/A N/A 54 Unbetted Forward Down Stowed On N/A N/A 55 Unbetted Forward Upright In-use N/A On N/A 56 Unbetted Forward Down Stowed N/A On N/A 57 Unbetted Forward Down Stowed N/A On N/A 59 Unbe	46	Belted	Forward ³	Down	Stowed	N/A	On	Suppressed
49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down Stowed None N/A Suppressed 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Upright Stowed None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A 54 Unbelted Forward Down Stowed On N/A N/A 55 Unbelted Forward Upright In-use On N/A N/A 56 Unbelted Forward Down In-use N/A On N/A 57 Unbelted Forward Down Stowed N/A On N/A 58 Unbelted Forward Upright In-use N/A On N/A 69	47	Belted	Forward ⁵	Upright	In-use	N/A	On	N/A
50UnbeltedForwardDownStowedNoneN/ASuppressed51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A54UnbeltedForwardDownStowedOnN/AN/A55UnbeltedForwardUprightIn-useOnN/AN/A56UnbeltedForwardUprightStowedOnN/AN/A57UnbeltedForwardDownIn-useN/AOnN/A58UnbeltedForwardDownStowedN/AOnN/A59UnbeltedForwardUprightIn-useN/AOnN/A60UnbeltedForwardUprightStowedN/AOnN/A61225ForwardDownIn-useNoneN/AN/A62225ForwardDownStowedNoneN/AN/A64225ForwardDownIn-useOnN/AN/A65225ForwardDownStowedOnN/AN/A66225ForwardUprightIn-useOnN/AN/A67225ForwardDownIn-useOnN/AN/A69225ForwardDown <t< td=""><td>48</td><td>Belted</td><td>Forward</td><td>Upright</td><td>Stowed</td><td>N/A</td><td>On</td><td>N/A</td></t<>	48	Belted	Forward	Upright	Stowed	N/A	On	N/A
51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Upright Stowed None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A 54 Unbelted Forward Down Stowed On N/A N/A 55 Unbelted Forward Upright In-use On N/A N/A 56 Unbelted Forward Down In-use N/A On N/A 57 Unbelted Forward Down Stowed N/A On N/A 58 Unbelted Forward Down Stowed N/A On N/A 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225<	49	Unbelted	Forward	Down	In-use	None	N/A	N/A
52 Unbelted Forward Upright Stowed None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A 54 Unbelted Forward Down Stowed On N/A Suppressed 55 Unbelted Forward Upright In-use On N/A N/A 56 Unbelted Forward Upright Stowed On N/A N/A 57 Unbelted Forward Down In-use N/A On N/A 58 Unbelted Forward Down Stowed N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Upright Stowed None N/A N/A 66 225 Forward Down In-use None N/A N/A 67 225 Forward Down In-use On N/A N/A 68 225 Forward Down Stowed On N/A N/A 68 225 Forward Upright In-use On N/A N/A 68 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright Stowed On N/A N/A 69 225 Forward Down Stowed On N/A N/A 69 225 Forward Down In-use N/A N/A 69 225 Forward Down In-use N/A On N/A	50	Unbelted	Forward	Down	Stowed	None	N/A	Suppressed
53 Unbelted Forward Down In-use On N/A N/A 54 Unbelted Forward Down Stowed On N/A Suppressed 55 Unbelted Forward Upright In-use On N/A N/A 56 Unbelted Forward Upright Stowed On N/A N/A 57 Unbelted Forward Down In-use N/A On N/A 58 Unbelted Forward Down In-use N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Down Stowed None N/A N/A 66 225 Forward Down Stowed None N/A N/A 67 225 Forward Down In-use On N/A N/A 68 225 Forward Down Stowed On N/A N/A 69 225 Forward Down In-use On N/A N/A 69 225 Forward Down In-use N/A N/A 69 225 Forward Down In-use N/A On N/A	5 1	Unbelted	Forward	Upright	In-use	None	N/A	N/A
54 Unbelted Forward Down Stowed On N/A Suppressed 55 Unbelted Forward Upright In-use On N/A N/A 56 Unbelted Forward Upright Stowed On N/A N/A 57 Unbelted Forward Down In-use N/A On N/A 58 Unbelted Forward Down Stowed N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Upright Stowed None N/A N/A 66 225 Forward Down Stowed None N/A N/A 67 225 Forward Down In-use On N/A N/A 68 225 Forward Down Stowed On N/A N/A 69 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright Stowed On N/A N/A 69 225 Forward Down In-use N/A On N/A	52	Unbelted	Forward	Upright	Stowed	None	N/A	N/A
55 Unbelted Forward Upright In-use On N/A N/A 56 Unbelted Forward Upright Stowed On N/A N/A 57 Unbelted Forward Down In-use N/A On N/A 58 Unbelted Forward Down Stowed N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Down Stowed None N/A N/A 66 225 Forward Down In-use None N/A N/A 67 225 Forward Down Stowed None N/A N/A 68 225 Forward Down In-use On N/A N/A 69 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright Stowed On N/A N/A 69 225 Forward Down In-use On N/A N/A 69 225 Forward Down In-use N/A On N/A 70 225 Forward Down Stowed N/A On N/A 71 225 Forward Down Stowed N/A On N/A 72 225 Forward Down Stowed N/A On N/A 73 225 Forward Down Stowed N/A On N/A	53	Unbelfed	Forward	Down	In-use	On	N/A	N/A
56 Unbelted Forward Upright Stowed On N/A N/A 57 Unbelted Forward Down In-use N/A On N/A 58 Unbelted Forward Down Stowed N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Upright In-use None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Down In-use None N/A N/A 66 225 Forward Down In-use On N/A N/A 67 225 Forward Down Stowed On N/A N/A 68 225 Forward Down Stowed On N/A N/A 69 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright Stowed On N/A N/A 69 225 Forward Upright Stowed On N/A N/A 69 225 Forward Down In-use On N/A N/A 69 225 Forward Down In-use N/A On N/A 70 225 Forward Down Stowed N/A On N/A 71 225 Forward Down Stowed N/A On N/A 72 225 Forward Down Stowed N/A On N/A 73 225 Forward Down Stowed N/A On N/A	54	Unbelted	Forward	Down	Stowed	On	N/A	Suppressed
57 Unbelted Forward Down In-use N/A On N/A 58 Unbelted Forward Down Stowed N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Upright In-use None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Down Stowed None N/A N/A 66 225 Forward Down In-use On N/A N/A 66 225 Forward Down Stowed On N/A N/A 67 225 Forward Upright In-use On N/A N/A 68 225 Forward Upright In-use On N/A N/A 69 225 Forward Upright Stowed On N/A N/A 69 225 Forward Down In-use On N/A N/A 69 225 Forward Down In-use N/A On N/A 70 225 Forward Down Stowed N/A On N/A 71 225 Forward Down Stowed N/A On N/A	55	Unbelted	Forward	Upright	In-use	On	N/A	N/A
58 Unbelted Forward Down Stowed N/A On Suppressed 59 Unbelted Forward Upright In-use N/A On N/A 60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright In-use None N/A N/A 65 225 Forward Down In-use On N/A N/A 66 225 Forward Down Stowed On N/A N/A 66 225 Forward Down Stowed On N/A N/A 67 225 Forward Upright In-use On N/A N/A 68 225 Forward Upright In-use On N/A N/A 69 225 Forward Down Stowed On N/A N/A 69 225 Forward Down In-use N/A N/A 69 225 Forward Down In-use N/A On N/A 69 225 Forward Down In-use N/A On N/A 70 225 Forward Down Stowed N/A On N/A 71 225 Forward Upright In-use N/A On N/A	56	Unbelted	Forward	Upright	Stowed	On	N/A	N/A
59 Unbetted Forward Upright In-use N/A On N/A 60 Unbetted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright Stowed None N/A N/A 65 225 Forward Down In-use On N/A N/A 66 225 Forward Down In-use On N/A N/A 67 225 Forward Upright In-use On N/A N/A 68 225 Forward Upright In-use On N/A N/A 69 225 Forward Down Stowed On N/A N/A 69 225 Forward Down In-use On N/A N/A 69 225 Forward Down Stowed On N/A N/A 69 225 Forward Down In-use N/A On N/A 69 225 Forward Down In-use N/A On N/A 69 225 Forward Down Stowed N/A On N/A	57	Unbelted	Forward	Down	In-use	N/A	On	N/A
60 Unbelted Forward Upright Stowed N/A On N/A 61 225 Forward Down In-use None N/A N/A 62 225 Forward Down Stowed None N/A N/A 63 225 Forward Upright In-use None N/A N/A 64 225 Forward Upright Stowed None N/A N/A 65 225 Forward Down In-use On N/A N/A 66 225 Forward Upright In-use On N/A N/A 67 225 Forward Upright Stowed On N/A N/A 69 225 Forward Down In-use N/A On N/A 70 225 Forward Down Stowed N/A On N/A 71 225 Forward <td< td=""><td>58</td><td>Unbelted</td><td>Forward</td><td>Down</td><td>Stowed</td><td>N/A</td><td>On</td><td>Suppressed</td></td<>	58	Unbelted	Forward	Down	Stowed	N/A	On	Suppressed
61 225 Forward ¹ Down In-use None N/A N/A 62 225 Forward ⁵ Down Stowed None N/A N/A 63 225 Forward ⁵ Upright In-use None N/A N/A 64 225 Forward ⁵ Down In-use On N/A N/A 65 225 Forward ⁵ Down Stowed On N/A N/A 67 225 Forward ⁵ Upright In-use On N/A N/A 68 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁵ Down Stowed N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	59	Unbelted	Forward	Upright	In-use	N/A	On	N/A
62 225 Forward ^b Down Stowed None N/A N/A 63 225 Forward ^b Upright In-use None N/A N/A 64 225 Forward ^b Upright Stowed None N/A N/A 65 225 Forward ^b Down In-use On N/A N/A 66 225 Forward ^b Upright In-use On N/A N/A 67 225 Forward ^b Upright Stowed On N/A N/A 69 225 Forward ^b Down In-use N/A On N/A 70 225 Forward ^b Down Stowed N/A On N/A 71 225 Forward ^b Upright In-use N/A On N/A	60	Unbelted	Forward	Upright	Stowed	N/A	On	N/A
63 225 Forward ⁵ Upright In-use None N/A N/A 64 225 Forward ⁵ Upright Stowed None N/A N/A 65 225 Forward ⁵ Down In-use On N/A N/A 66 225 Forward ⁵ Down Stowed On N/A N/A 67 225 Forward ⁵ Upright Stowed On N/A N/A 68 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁵ Down Stowed N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	61	225	Forward ²	Down	In-use	None	N/A	N/A
64 225 Forward ^a Upright Stowed None N/A N/A 65 225 Forward ^a Down In-use On N/A N/A 66 225 Forward ^a Down Stowed On N/A N/A 67 225 Forward ^a Upright In-use On N/A N/A 68 225 Forward ^a Down In-use N/A On N/A 70 225 Forward ^a Down Stowed N/A On N/A 71 225 Forward ^b Upright In-use N/A On N/A	62	225	Forward ⁵	Down	Stowed	None	N/A	N/A
65 225 Forward ⁵ Down In-use On N/A N/A 66 225 Forward ⁵ Down Stowed On N/A N/A 67 225 Forward ⁵ Upright In-use On N/A N/A 68 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁶ Down Stowed N/A On N/A 71 225 Forward ⁶ Upright In-use N/A On N/A	63	225	Forward ⁵	Upright	In-use	None	N/A	N/A
65 225 Forward ⁵ Down In-use On N/A N/A 66 225 Forward ⁵ Down Stowed On N/A N/A 67 225 Forward ⁵ Upright In-use On N/A N/A 68 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁶ Down Stowed N/A On N/A 71 225 Forward ⁶ Upright In-use N/A On N/A	64	225	Forward*		Stowed	None	N/A	N/A
66 225 Forward ⁵ Down Stowed On N/A N/A 67 225 Forward ⁵ Upright In-use On N/A N/A 68 225 Forward ⁵ Upright Stowed On N/A N/A 69 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁵ Upright In-use N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	65	225		Down	In-use	On	N/A	N/A
68 225 Forward ⁵ Upright Stowed On N/A N/A 69 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁵ Down Stowed N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	66	225		Down	Stowed	On	N/A	N/A
68 225 Forward ⁵ Upright Stowed On N/A N/A 69 225 Forward ⁵ Down In-use N/A On N/A 70 225 Forward ⁵ Down Stowed N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	67	225	Forward ²	Upright	In-use	On	N/A	N/A
70 225 Forward ¹ Down Stowed N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	68					On		
70 225 Forward ¹ Down Stowed N/A On N/A 71 225 Forward ⁵ Upright In-use N/A On N/A	69	225	Forward ⁵	Down	In-use	N/A	On	N/A
71 225 Forward ⁵ Upright In-use N/A On N/A	70	225						N/A
	71				In-use			
	72	225		Upright	Stowed	N/A	On	N/A

- If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
 "Down" means the child restraint manufacturer's recommended position or there is no handle.
- 2 If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."
- 3 Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.
- 28. Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.
- 29. Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).) ______0.3 kg (S20.1.5)

Comments (Record any position readjustments or problems by first stating the row number to which the comment applies. Rows 1 through 12: The seat belt tension was 127.7 N for belted positions.

Rows 37 through 48: The seat belt tension was 121 N for belted positions.

NHTSA No	C30102			Test I	Date: <u>10</u>	3/09/02	_
Laboratory: _	VRTC		Test Technician(s):	C. Case,	B. Smith	ı. G. Fou	t
Child Restrai	int Name,	Model, Date of N	Manufacture: Evenflo	Medalion			
Base:On	Off X	_N/A-Restraint d	loes not have a remov	rable base			
Seat Position	1:Re	armost, mid-heig	htMid-position, r	nid-height	X_Fore	most, mi	d-heigh
There were	o bairdat a	elico e tempo e cont					

	re was no he	eigni aujusii					
	Belted,	Rear	Handle	Sunshield ⁻	Blanket ³	Blanket	Suppressed,
	Unbelted,	facing,	(\$20.1.3)	(S20.1.4)	Position 1	Position 2	FAIL,
	FMVSS 225	Forward facing			(S20.1.5(a))	(S20.1.5(b))	Or N/A
1	Belted	Rear	Down	In-use	None	N/A	N/A
2	Belted	Rear	Down	Stowed	None	N/A	Suppressed
3	Belted	Rear	Upright	In-use	None	N/A	N/A
4	Belted	Rear	Upright	Stowed	None	N/A	N/A
5	Bolted	Roar	Down	In-use	On	N/A	N/A
6	Belted	Rear	Down	Stowed	On	N/A	Suppressed
7	Belted	Rear	Upright	In-use	On	N/A	N/A
8	Belted	Rear	Upright	Stowed	On	N/A	N/A
9	Belted	Rear	Down	In-use	N/A	On	N/A
10	Belted	Rear	Down	Stowed	N/A	On	Suppressed
11	Belted	Rear	Upright	In-use	N/A	On	N/A
12	Belted	Rear	Upright	Stowed	N/A	On	N/A
13	Unbelted	Rear	Down	In-use	None	N/A	N/A
14	Unbelted	Rear	Down	Stowed	None	N/A	Suppressed
15	Unbelted	Rear	Upright	In-use	None	N/A	N/A
16	Unbelted	Rear	Upright	Slowed	None	N/A	N/A
17	Unbelted	Rear	Down	In-use	On	N/A	N/A
18	Unbelted	Rear	Down	Stowed	On	N/A	Suppressed
19	Unbelted	Rear	Upright	In-use	On	N/A	N/A
20	Unbelted	Rear	Upright	Stowed	On	N/A	N/A
21	Unbelted	Rear	Down	In-use	N/A	Ori	N/A
22	Unbelfed	Rear	Down	Stowed	N/A	On	Suppressed
23	Unbelted	Rear	Upright	In-use	N/A	On	N/A
24	Unbelted	Rear	Upright	Stowed	N/A	On	N/A
25	225	Rear	Down	In-use	None	N/A	N/A
26	225	Rear	Down	Stowed	None	N/A	N/A
27	225	Rear	Upright	In-use	None	N/A	N/A
28	225	Rear	Upright	Stowed	None	N/A	N/A
29	225	Roar	Down	In-use	On	N/A	N/A
30	225	Rear	Down	Stowed	On	N/A	N/A
31	225	Rear	Upright	In-use	On	N/A	N/A
32	22 5	Rear	Upright	Stowed	On	N/A	N/A
33	225	Rear	Down	In-use	N/A	On	N/A
34	225	Rear	Down	Stowed	N/A	On	N/A
35	225	Rear	Upright	In-use	N/A	On	N/A
36	225	Rear	Upright	Stowed	N/A	On	N/A

Unbelted, Forward Forward facing, Forward facing 37 Belted Forward facing 38 Belted Forward Down Stowed None N/A Suppressed 39 Belted Forward Upright In-use None N/A N/A 40 Belted Forward Down Stowed None N/A N/A 41 Belted Forward Down Stowed None N/A N/A 42 Belted Forward Down Stowed On N/A Suppressed 43 Belted Forward Upright In-use On N/A N/A 44 Belted Forward Upright In-use On N/A N/A 45 Belted Forward Upright Stowed On N/A N/A 46 Belted Forward Upright Stowed On N/A N/A 47 Belted Forward Upright Stowed On N/A N/A 48 Belted Forward Down In-use N/A On N/A 49 Unbelted Forward Down Stowed N/A On N/A 40 Belted Forward Down Stowed N/A On N/A 41 Belted Forward N/A On N/A 42 Belted Forward N/A On N/A 43 Belted Forward Down Stowed N/A On N/A 44 Belted Forward N/A On Suppressed 45 Belted Forward Down Stowed N/A On N/A 46 Belted Forward Down Stowed N/A On N/A 47 Belted Forward Down In-use N/A On N/A 48 Belted Forward Down In-use None N/A N/A 49 Unbelted Forward Down Stowed None N/A N/A 50 Unbelted Forward Down Stowed None N/A N/A 50 Unbelted Forward Down Stowed None N/A N/A 51 Unbelted Forward Upright Stowed None N/A N/A 52 Unbelted Forward Down In-use On N/A N/A 54 Unbelted Forward Down In-use On N/A N/A 55 Unbelted Forward Down In-use On N/A N/A 56 Unbelted Forward Down In-use On N/A N/A 57 Unbelted Forward Down In-use On N/A N/A	
225 facing 37 Belted Forward Down In-use None N/A N/A 38 Belted Forward Down Stowed None N/A Suppressed 39 Belted Forward Upright In-use None N/A N/A 40 Belted Forward Down In-use On N/A N/A 41 Belted Forward Down In-use On N/A N/A 42 Belted Forward Down Stowed On N/A Suppressed 43 Belted Forward Upright In-use On N/A N/A 44 Belted Forward Down Stowed On N/A N/A 45 Belted Forward Down In-use N/A On N/A 46 Belted Forward Down In-use N/A On Suppressed 47 Belted Forward Down Stowed N/A On Suppressed 48 Belted Forward Down Stowed N/A On N/A 49 Unbelted Forward Down In-use N/A On N/A 50 Unbelted Forward Down Stowed None N/A Suppressed 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Upright Stowed None N/A N/A 53 Unbelted Forward Down In-use None N/A N/A 54 N/A N/A 55 Unbelted Forward Down In-use None N/A N/A 55 Unbelted Forward Down In-use None N/A N/A 56 Unbelted Forward Upright Stowed None N/A N/A 57 Unbelted Forward Upright Stowed None N/A N/A 58 Unbelted Forward Down In-use None N/A N/A 59 Unbelted Forward Upright Stowed None N/A N/A 50 Unbelted Forward Upright Stowed None N/A N/A	
37BeltedForward**DownIn-useNoneN/AN/A38BeltedForward**DownStowedNoneN/ASuppressed39BeltedForward**UprightIn-useNoneN/AN/A40BeltedForward**UprightStowedNoneN/AN/A41BeltedForward**DownIn-useOnN/AN/A42BeltedForward**UprightIn-useOnN/AN/A43BeltedForward**UprightIn-useOnN/AN/A44BeltedForward**UprightStowedOnN/AN/A45BeltedForward**DownIn-useN/AOnN/A46BeltedForward**UprightIn-useN/AOnN/A47BeltedForward**UprightIn-useN/AOnN/A48BeltedForward**UprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/AN/A51UnbeltedForwardUprightStowedNoneN/AN/A52UnbeltedForwardDownIn-useOnN/AN/A	
38BeltedForward5DownStowedNoneN/ASuppressed39BeltedForward5UprightIn-useNoneN/AN/A40BeltedForward6UprightStowedNoneN/AN/A41BeltedForward5DownIn-useOnN/AN/A42BeltedForward5DownStowedOnN/AN/A43BeltedForward7UprightIn-useOnN/AN/A44BeltedForward5DownIn-useN/AOnN/A45BeltedForward5DownStowedN/AOnN/A46BeltedForward5UprightIn-useN/AOnN/A47BeltedForward5UprightIn-useN/AOnN/A48BeltedForward5UprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/AN/A51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardDownIn-useOnN/AN/A	
39BeltedForward5UprightIn-useNoneN/AN/A40BeltedForward5UprightStowedNoneN/AN/A41BeltedForward5DownIn-useOnN/AN/A42BeltedForward5DownStowedOnN/AN/A43BeltedForward6UprightIn-useOnN/AN/A44BeltedForward6UprightStowedOnN/AN/A45BeltedForward6DownIn-useN/AOnN/A46BeltedForward6UprightIn-useN/AOnN/A47BeltedForward6UprightIn-useN/AOnN/A48BeltedForward6UprightStowedN/AOnN/A49UnbeltedForward6DownIn-useNoneN/AN/A50UnbeltedForward6DownStowedNoneN/AN/A51UnbeltedForward6UprightIn-useNoneN/AN/A52UnbeltedForward6UprightStowedNoneN/AN/A53UnbeltedForward6DownIn-useOnN/AN/A	
40 Belted Forward Down In-use On N/A N/A 41 Belted Forward Down In-use On N/A N/A 42 Belted Forward Down Stowed On N/A Suppressed 43 Belted Forward Upright In-use On N/A N/A 44 Belted Forward Upright Stowed On N/A N/A 45 Belted Forward Down In-use N/A On N/A 46 Belted Forward Down Stowed N/A On Suppressed 47 Belted Forward Upright In-use N/A On N/A 48 Belted Forward Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use N/A On N/A 50 Unbelted Forward Down Stowed N/A N/A 51 Unbelted Forward Upright In-use N/A N/A 52 Unbelted Forward Upright Stowed N/A N/A 53 Unbelted Forward Down In-use None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A 50 Unbelted Forward Upright Stowed None N/A N/A 51 Unbelted Forward Upright Stowed None N/A N/A 52 Unbelted Forward Down In-use None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A	
41BeltedForward*DownIn-useOnN/AN/A42BeltedForward*DownStowedOnN/ASuppressed43BeltedForward*UprightIn-useOnN/AN/A44BeltedForward*UprightStowedOnN/AN/A45BeltedForward*DownIn-useN/AOnN/A46BeltedForward*UprightIn-useN/AOnN/A47BeltedForward*UprightIn-useN/AOnN/A48BeltedForward*UprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/AN/A51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
42BeltedForward³DownStowedOnN/ASuppressed43BeltedForward³UprightIn-useOnN/AN/A44BeltedForward³UprightStowedOnN/AN/A45BeltedForward³DownIn-useN/AOnN/A46BeltedForward³UprightIn-useN/AOnN/A47BeltedForward³UprightIn-useN/AOnN/A48BeltedForward³UprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/AN/A51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
43BeltedForwardUprightIn-useOnN/AN/A44BeltedForwardUprightStowedOnN/AN/A45BeltedForwardDownIn-useN/AOnN/A46BeltedForwardDownStowedN/AOnSuppressed47BeltedForwardUprightIn-useN/AOnN/A48BeltedForwardUprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/AN/A51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
44 Belted Forward Upright Stowed On N/A N/A 45 Belted Forward Down In-use N/A On N/A 46 Belted Forward Down Stowed N/A On Suppressed 47 Belted Forward Upright In-use N/A On N/A 48 Belted Forward Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down Stowed None N/A Suppressed 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Upright Stowed None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A	
45 Belted Forward Down In-use N/A On N/A 46 Belted Forward Down Stowed N/A On Suppressed 47 Belted Forward Upright In-use N/A On N/A 48 Belted Forward Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down Stowed None N/A Suppressed 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Upright Stowed None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A	
46BeltedForward**DownStowedN/AOnSuppressed47BeltedForward**UprightIn-useN/AOnN/A48BeltedForward**UprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/ASuppressed51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
47BeltedForwardUprightIn-useN/AOnN/A48BeltedForwardUprightStowedN/AOnN/A49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/ASuppressed51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
48 Belted Forward Upright Stowed N/A On N/A 49 Unbelted Forward Down In-use None N/A N/A 50 Unbelted Forward Down Stowed None N/A Suppressed 51 Unbelted Forward Upright In-use None N/A N/A 52 Unbelted Forward Upright Stowed None N/A N/A 53 Unbelted Forward Down In-use On N/A N/A	
49UnbeltedForwardDownIn-useNoneN/AN/A50UnbeltedForwardDownStowedNoneN/ASuppressed51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
50UnbeltedForwardDownStowedNoneN/ASuppressed51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
51UnbeltedForwardUprightIn-useNoneN/AN/A52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
52UnbeltedForwardUprightStowedNoneN/AN/A53UnbeltedForwardDownIn-useOnN/AN/A	
53 Unbelted Forward Down In-use On N/A N/A	
EA Habakad Familia Barra Carrad Ca 1874	
54 Unbelted Forward Down Stowed On N/A Suppressed	
55 Unbelted Forward Upright In-use On N/A N/A	
56 Unbetted Forward Upright Stowed On N/A N/A	
57 Unbelted Forward Down In-use N/A On N/A	
58 Unbelted Forward Down Stowed N/A On Suppressed	
59 Unbelted Forward Upright In-use N/A On N/A	
60 Unbelted Forward Upright Stowed N/A On N/A	
61 225 Forward* Down In-use None N/A N/A	
62 225 Forward ⁵ Down Stowed None N/A N/A	
63 225 Forward ⁵ Upright In-use None N/A N/A	
64 225 Forward [®] Upright Stowed None N/A N/A	
65 225 Forward ⁵ Down In-use On N/A N/A	
66 225 Forward ⁵ Down Stowed On N/A N/A	
67 225 Forward ⁹ Upright In-use On N/A N/A	
68 225 Forward ⁵ Upright Stowed On N/A N/A	
69 225 Forward ⁵ Down In-use N/A On N/A	
70 225 Forward ^o Down Stowed N/A On N/A	
71 225 Forward ⁵ Upright In-use N/A On N/A	
72 225 Forward ⁵ Upright Stowed N/A On N/A	

If there is no handle, place N/A in the Suppressed/FAIL column in the rows marked "Upright."
"Down" means the child restraint manufacturer's recommended position or there is no handle.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

³ Blanket position 1 (\$20.1.5(a)): Place a blanket on the child restraint so that the top and side edges of the restraint are covered. The vehicle seat shall not support the blanket.

^{30.} Blanket position 2 (\$20.1.5(b)): Place a blanket on the child restraint so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the child restraint.

^{31.} Convertible restraints ONLY (\$20.2.1.5) (Appendix A, section C)

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).) _____0.3 kg (\$20.1.5)Comments (Record any position readjustments or problems by first stating the row

number to which the comment applies. Rows 1 through 12: The seat belt tension was 127.7 N for belted positions.

Rows 37 through 48: The seat belt tension was 121 N for belted positions. Rows 14, 18, and 22: The seat position was 5 detents rear of foremost because of restraint contact with the instrument panel.

NHTSA	No	C30102			-	Test Date: _	10/09/02	_
Laborat	tory: _	VRTC		Test Technic	ian(s): <u>C. C</u>	ase, G. Fout		
				position <u>X</u> F 1, 22.3.1, S24.3		(Use a sepa	irate sheet for	each of the
Do NO	T use s	eat belts for	these tests.					
1. <u>x</u> — — — —	Suppi After: Suppi After: Suppi (S22) After: Suppi After:	ression Test section 4_ of ression Test section of ression Test section of ression Test section of ression Test section of	Using 12-Monor the data she Using Newbook the data she Using 3-Year the data she Using 3-Year the data she Using an Unit the data she	om Infant Dumi let r-Old Dummy a let r-Old Dummy a let belted 3-Year-O let	I Dummy (S my (S20) and Booster and Forward Old Dummy	Seats (S22) Facing Con	vertible Child	Restraints
_	After : Suppi	section of ression Test	ithe data she Using 6 Year	-Old-Dummy (Seats (S24.)	2.1)	
<u>X_</u> 2.	Leave	the seat in	the data she the position u oning for a cr	sed for the sup	ppression te	st. (Do NOT	recline the s	eat back as it
<u>X_</u> 3.	Place	the dummy	in the seat wi	ith the legs at a t cushion. (S16		120 degrees	to the thighs.	The calves
<u>X_</u> 4.	Positi		ny midsagittal	plane vertical		lent with the	seating positi	on centerline.
<u>X_</u> 5.	Hold		nmy's thighs	and push rear	ward on the	upper torso	to maximize	the pelvic
<u>X</u> 6. <u>X</u> 7	Set th Set th to 6.7	e angle betv c transverse inches). Ce	veen the legs distance bet	and the thighs ween the cente separation wi	ers of the fro	ont of the kno	ces at 160 to	
<u>X_</u> 8.	Push calves Pe	rearward on s contact the dvis contacte	the dummy's	knees until the , whichever oc			it back, or the	backs of the
<u>X_</u> 9.	Gently	y rock the up	per torso +/-	5 degrees (app veen the dumn				side three
<u>N/A</u> 10.	If nee	ded, extend		the feet do not				ou ld be resting
<u>X_</u> 11.	If the (0.2 in contain	dummy cont	acts the interi lieved or the s 1.8)	ior move the se seat is in the cl				
		immy contac	t. Clearance	set at maximu				
	Du	immy Contai		nt nearest deter	nt position.	ll forward		

<u>X</u> 12. <u>X</u> 13 <u>X</u> 14.	(full forward is position zero) Verify the pelvis is not interfering with the seat big Verify the dummy abdomen is properly installed. Measure and set the pelvic angle using the pelvic be 20.0 degrees +/- 2.5 degrees. If the pelvic angular difference. (S16.3.3.1.11) X_Pelvic angle set to 20.0 degrees +/- 2.5 degrees.	(S16.3.3.1.9) angle gage TE-2504. The pelvic angle should le cannot be set to 20 degrees, minimize the
V 4 P	Pelvic angle of 20.0 degrees not achieved, the X Record the pelvic angle. 21.7 degree	angular difference was minimized.
<u>X_</u> 15.	 Check the dummy for contact with the interior afte No contact. Dummy in contact with interior. Seat moved Aft mm from the prev Seat moved Aft detent positions for 	ious position.
<u>X</u> 16	Foot positioning. (Indicate final position achieved) 16.1 Place feet flat on the toe board. OR X_16.2 If the feet will not cannot be placed flat or lower leg. and rest the heel as far forward on the16.3 If the heels do not touch the floor pan, set	(S16.3.3.2) the toe board, set the feet perpendicular to the loor pan as possible. OR
<u>X_</u> 17.	the floor pan. Passenger arm/hand positioning. (S16.3.3.3) X_17.1 Place the dummy's upper arms adjacent a vertical longitudinal plane as possible. (S16.3.2) X_17.2 Place the palms of the dummy in contact X_17.3 Place the little fingers in contact with the	3.1) with the outer part of the thighs (S16.3.3.3.2)
<u>X</u> 18.	Start the vehicle engine or place the ignition in the suppression system, and close all vehicle doors, whether the air bag is suppressed. (\$22.2.1.8) Air Bag Suppressed – FAIL X_Air Bag Not Suppressed – Pass	"on" position, whichever will turn on the
<u>X</u> 19.	Return the ignition switch to the "off" position.	
	e, G. Fout,	10/09/02
 certify 	that I have read and performed each instruction.	Date

RESULTS FROM DATA SHEET 15

Suppression Test Using Newborn Infant Dummy (Part 572, Subpart K)(S20) (Car beds listed in Appendix A, section A)

			• •	. ,		
NHTSA No	C30102		_	Test Dat	e: 10/09/02	_
Laboratory:	VRTC	Tes	t Technician(s): [B. Smith. G. Fo	ut. C. Case	_
Car Bed Name	e, Model, and	Manufacture [Date: Cosco Drea	am Ride		
Base:On_,	Off _X_N/	A-Restraint doe	es not have a ren	novable base		
Seat Position:	Rearmo	st, mid-height	Mid-position,	mid-height X	Foremost, mid-he	eight
					4	

eat	Pos	ition: Rea	armost, mid-heig	ht Mid-posii		X_Foremost, m	id-height
		Belted,	Handle	Sunshield ¹	Blanket"	Blanket⁴	Suppressed,
		FMVSS	(S20.1.3)	(\$20.1.4)	Position 1	Position 2	FAIL,
L		225			(S20.1.5(a))	(\$20.1.5(b))	Or N/A
	1	Belted	Down	Fully Open	None	N/A	N/A
	2	Belted	Down	Fully Closed	None	N/A	Suppressed
	3	Belted	Upright	Fully Open	None	N/A	N/A
	4	Belted	Upright	Fully Closed	None	N/A	Suppressed
	5	Belted	Down	Fully Open	On	N/A	N/A
	6	Belted	Down	Fully Closed	On	N/A	Suppressed
	7	Belted	Upright	Fully Open	On	N/A	N/A
	8	Belted	Upright	Fully Closed	On	N/A	Suppressed
	9	Belted	Down	Fully Open	N/A	On	N/A
	10	Belted	Down	Fully Closed	N/A	On	Suppressed
	11	Belted	Upright	Fully Open	N/A	On	N/A
	12	Belted	Upright	Fully Closed	N/A	On	Suppressed
	13	225	Down	Fully Open	None	N/A	N/A
	14	225	Down	Fully Closed	None	N/A	N/A
	15	225	Upright	Fully Open	None	N/A	N/A
	16	225	Upright	Fully Closed	None	N/A	N/A
	17	225	Down	Fully Open	On	N/A	N/A
	18	225	Down	Fully Closed	On	N/A	N/A
	19	225	Upright	Fully Open	On	N/A	N/A
	20	225	Upright	Fully Closed	On	N/A	N/A
	21	225	Down	Fully Open	N/A	On	N/A
	22	225	Down	Fully Closed	N/A	On	N/A
	23	225	Upright	Fully Open	N/A	On	N/A
	24	225	Upright	Fully Closed	N/A	On	N/A

If there is no handle, place N/A in the Suppressed /FAIL column in the rows marked "Upright." "Down," means the car bed manufacturer's recommended position or there is no handle.

Blanket position 2 (\$20.1.5 (b)): Place a blanket on the car bed so that it rests on the top of the vehicle's seat back and the forward most (towards the instrument panel) edge of the car bed.

Record the weight of the blanket. (Cannot be more than 1 kg (2.2 lb).)
(S20.1.5)
Comments (Record any position readjustments or problems by first stating the row number to
which the comment applies.): It was not necessary to perform other seat track positions
because even when belted the car bed applied very little weight to the seat. Therefore, the
suppression system would not detect sufficient weight to activate the air bag.

² If there is no sunshield, place N/A in the Suppressed/FAIL column in the rows marked "In-use."

Blanket position 1 (\$20.1.5 (a)): Place a blanket on the car bed so that all edges of the restraint are covered. The vehicle seat shall not support the blanket.

RESULTS FROM DATA SHEET 17
Suppression Test Using 3-Year-Old Dummy (Part 572, Subpart P) and Forward Facing Convertible Child Restraints (S22)

NHTSA No. <u>C30102</u>	Test Date:10/09/02
Laboratory: VRTC	Test Technician(s): B. Smith, C. Case, G. Fout
Child Restraint Name, Model, and Man	ufacture Date: <u>Britax Roundabout</u>

	Seat Belt Tension	Suppressed, FAIL, Or N/A
Foremost seat position	130.8 N	Suppressed
Mid seat position	130.8 N	Suppressed
Rearmost seat position	130.8 N	Suppressed

NHTSA	No	C30102		_	Ť	est Date: _	10/09/02	_
Laborat	tory: _	VRTC		Test Technicia	n(s): <u>C. Ca</u> :	se, G. Fout		
				position Full 22.3.1, S24.3.		Jse a separ	rate sheet for	each of the
Do NO	T use s	eat belts for	these tests.					
_ _	Suppri After s Suppri After s Suppri (S22) After s Suppri After s Suppri After s	ression Test (section of ression of ression of ression of ression of	Jsing 12-Mon the data shee Jsing Newbor the data shee Jsing 3-Year- the data shee Jsing an Unbo the data shee Jsing 6 Year- the data shee	n Infant Dumm et Old Dummy an et Old Dummy an et etted 3-Year-Ol et Old-Dummy an	Dummy (S2 ny (S20) nd Booster S nd Forward I Id Dummy (nd Booster S	6) Seats (S22) Facing Con S22)	vertible Child	Restraints
 <u>X_</u> 2.	Afters	section <u> of</u>	the data shee		,	t (Do NOT	recline the s	eat hack as it
	would	be for position	oning for a cra	ish test.)		,		
<u>X_</u> 3.				h the legs at an cushion. (S16.3		zu aegrees	to the thighs.	The calves
<u>X_</u> 4.	Positio		y midsagittal	plane vertical a		nt with the	seating positi	on centerline.
<u>X_</u> 5.		down the dun . (\$16.3.3.1.5		and push rearwa	ard on the u	upper torso	to maximize	the pelvic
<u>х</u> 6. <u>х</u> 7	Set th Set th to 6.7	e angle betw e transverse inches). Ce	een the legs a distance betv	and the thighs to veen the center separation with	rs of the from	nt of the kno	ces at 160 to	
<u>X_</u> 8.	Push calves Pe	rearward on s contact the lvis contacted	the dummy's seat cushion,	knees until the whichever occ			it back, or the	backs of the
<u>X_</u> 9.	Gently	y rock the up	per torso +/- 5	degrees (appreen the				side three
<u>N/A</u> 10.	If need	ded, exten d t	he legs until t	he feet do not d				ould be resting
<u>X_</u> 11.	If the (0.2 in contact X_ N.	dummy conte iches) is achi ct. (S16.3.3. /A No contac	eved or the set 1.8) t	or move the sea cat is in the clos	sest detent			
	— Du			et at maximum				
	Du	immy Contac	t. Se <mark>at</mark> set at	nearest detent t positions rean	position.	forward		

v 45	(full forward is position zero)	1046 6 0 4 0
<u>X_</u> 12. X_13	 Verify the pelvis is not interfering with the seat bight Verify the dummy abdomen is properly installed. (S 	
<u>^</u> 13 <u>X</u> 14.	Measure and set the pelvic angle using the pelvic a be 20.0 degrees +/- 2.5 degrees. If the pelvic angle	ngle gage TE-2504. The pelvic angle should
	angular difference. (S16.3.3.1.11)	
	X Pelvic angle set to 20.0 degrees +/- 2.5 degrees	
	Pelvic angle of 20.0 degrees not achieved, the a X Record the pelvic angle. 21.4 degrees	ngular dilierence was miriimized.
V 15	Check the dummy for contact with the interior after i	completion edicetments: (C18 2 2 1 12)
<u>A</u> 13.	X No contact.	completing adjustments. (316.3.3.1.12)
	Dummy in contact with interior.	
	Seat moved Aft mm from the previo	us position
	Seat moved Aft detent positions from	n the previous position
<u>X_</u> 16		
	16.1 Place feet flat on the toe board. OR	-· - ,
	\overline{X} 16.2 If the feet will not cannot be placed flat on t	he toe board, set the feet perpendicular to the
	lower leg, and rest the heel as far forward on the flo	
	16.3 If the heels do not touch the floor pan, set the	he legs to vertical and set the feet parallel to
	the floor pan.	
<u>X_</u> 17.	Passenger arm/hand positioning. (\$16.3.3.3)	
	X_17.1 Place the dummy's upper arms adjacent to	
	a vertical longitudinal plane as possible. (\$16.3.2.3.	•
	X_17.2 Place the palms of the dummy in contact w	
	X_17.3 Place the little fingers in contact with the se	eat cushion. (S16.3.3.3.3)
<u>X_</u> 18.		
	suppression system, and close all vehicle doors. (S.	22.2.1.7) Wait 10 seconds, and then check
	whether the air bag is suppressed. (\$22.2.1.8)	
	Air Bag Suppressed – FAIL	
	X_Air Bag Not Suppressed – Pass	
<u>X_</u> 19.	Return the ignition switch to the "off" position.	
C. Casi	se, G. Fout,	10/09/02
	y that I have read and performed each instruction.	Date

RESULTS FROM DATA SHEET 17

Suppression Test Using 3-Year-Old Dummy (Part 572, Subpart P) and Forward Facing Convertible Child Restraints (S22)

NHTSA No. <u>C30102</u>	Test Date:10/09/02
Laboratory: <u>VRTC</u>	Test Technician(s): B. Smith, C. Case, G. Fout
Child Restraint Name, Model, and Man	ufacture Date: Century Encore

	Seat Belt Tension	Suppressed, FAIL, Or N/A
Foremost seat position*	127.7 N	Suppressed
Mid seat position	127.7 N	Suppressed
Rearmost seat position	127.7 N	Suppressed

^{*}The passenger seat was 1 detent rear of the foremost position because of dummy foot contact with the IP.

NHTSA	No	C30102			-			Test	Date: _	10	0/09/02		
Laborat	tory: _	VRTC		Te	est Tec	hnicia	n(s): <u>C.</u>	Case,	G. Fout	t			
three fo *1 deter	re-aft nt rear	: Full re positions to of full forw	ested.) (S2 ard	20.3.1, 2				(Use	a separ	rate :	sheet fa	r each	of the
Do NO	Tuses	seat belts f	or these t e	ests.									
_ _	Suppi After: Suppi After: Suppi After:	reactivation ression Tes section ression Tes section ression Tes section ression Tes	st Using 1; of the data st Using N of the data st Using 3- of the data	2-Month- a sheet lewborn a sheet -Year-Ol a sheet	-Old CF Infant D Id Dumi	RABI (Dumm my an	Dummy y (S20) d Boost	(S20) er Sea	ts (S22))		ld Resti	raints
_ _ _	Suppi After Suppi After Suppi	section 1_ ression Tes section ression Tes section ression Tes section	st Using ar of the data st Using 6 of the data st Using 6	n Unbelt a sheet Year-Ok a sheet Year-Ok	d-Dumi	ту ап	d Booste		•	.2.1)			
<u>X_</u> 2.		e the seat in I be for pos				e supp	ression	test. (Do NO	Tred	line the	seat ba	ack as it
<u>X_</u> 3.	Place	the dumm	y in the se	eat with t	he legs			of 120 d	degrees	to th	ne thigh	s. The	calves
<u>X_</u> 4.		on the dun 3.3.1.3 or \$			ane ver	tical a	nd coinc	cident (w ith the	seat	ing pos	ition ce	nterline.
<u>X_</u> 5.	Hold	down the d . (\$16.3.3.	ummy's th		d push	rearwa	ard on th	he u pp	er torso	to n	naximize	e the pe	elvic
<u>X</u> 6. <u>X</u> 7	Set the Set the to 6.7	ne angle be ne transver: inches). (rd Knee Se	tween the se distanc Center the	e betwee knee se	on the o paratio	center in with	s of the	front o	f the kn	005	at 160 t		
<u>X_</u> 8.	Push calve: Pe	rearward of s contact the elvis contact alves contact	on the dum ne seat cus ited seat b	nmy's knoshion, w ack.	ees unt hicheve	ti l the					ck, or th	ie back	s of the
<u>X</u> 9.	Gentl	y rock the to reduce t	upper tors	o +/- 5 d	egrees							to side	three
<u>N/A</u> 10.	If nee	ded, exten e seat cush	d the legs	until the	feet do							hou id b	e resting
<u>X_</u> 11.	(0.2 in contain X N	dummy co nches) is a ct. (S16.3. I/A No cont	chieved or 3.1.8) act	the sea	t is in th	he clos	sest dete	ent pos					
			ed Clearar	1се			mm						
	Du	ımmy Cont Seat po:	act. Seat sition						ward				

v 45	(full forward is position zero)	
X_12. X_13	Verify the pelvis is not interfering with the seat big Verify the dummy abdomen is properly installed.	
<u>X</u> 14.		angle gage TE-2504. The pelvic angle should
	X Pelvic angle set to 20.0 degrees +/- 2.5 degree	÷S.
	Pelvic angle of 20.0 degrees not achieved, the	
	X Record the pelvic angle. 21.3 degrees	
<u>X_</u> 15.		completing adjustments. (\$16.3.3.1.12)
	X No contact.	
	Dummy in contact with interior.	
	Seat moved Aft mm from the prev Seat moved Aft detent positions fr	ous position.
X 16		
<u>~ 10</u>	16.1 Place feet flat on the toe board. OR	(510.5.5.2)
	$\frac{1}{X}$ 16.2 If the feet will not cannot be placed flat or	the toe board, set the feet perpendicular to the
	lower leg, and rest the heel as far forward on the t	
	16.3 If the heels do not touch the floor pan, set	
	the floor pan.	the legs to vertical and soft the level parallel to
X 17	Passenger arm/hand positioning. (S16.3.3.3)	
<u> </u>	X_17.1 Place the dummy's upper arms adjacent:	o the torso with the arm centerlines as close to
	a vertical longitudinal plane as possible. (\$16.3.2.	
	X_17.2 Place the palms of the dummy in contact	
	X_17.3 Place the little fingers in contact with the	
X_18.		
<u>x_</u> 10.	suppression system, and close all vehicle doors. (whether the air bag is suppressed. (\$22.2.1.8) Air Bag Suppressed – FAIL X_Air Bag Not Suppressed – Pass	
X_19.	Return the ignition switch to the "off" position.	
	e, G. Fout,	10/09/02
Leertify	that I have read and performed each instruction.	Date

RESULTS FROM DATA SHEET 17
Suppression Test Using 3-Year-Old Dummy (Part 572, Subpart P) and Forward Facing Convertible Child Restraints (S22)

NHTSA No. <u>C30102</u>	Test Date:10/09/02
Laboratory: VRTC	Test Technician(s): B. Smith, C. Case, G. Fout
Child Restraint Name, Model, and I	Manufacture Date: <u>Evenflo Medallion</u>

	Seat Belt Tension	Suppressed, FAIL, Or N/A
Foremost seat position	130.8 N	Suppressed
Mid seat position	130.8 N	Suppressed
Rearmost seat position	130.8 N	Suppressed

NHTSA	.No	C30102			Test Date: _	10/09/02	
Laborat	ory: _	VRTC	Tes	t Technician(s): <u>C.</u>	Case, G. Fout		
three fo	re-aft		ed.) (\$20.3.1, 22.	ition Full forward 3.1, S24.3.1)	d (Use a separ	rate sheet for eac	ch of the
_ _	Suppri After s Suppri After s Suppri (S22) After s Suppri After s Suppri After s	ression Test U section of t ression Test U section of t ression Test U section of t ression Test U section 1_ of t ression Test U section of t ression Test U section of t	Ising 12-Month-Che data sheet Ising Newborn Inhe data sheet Ising 3-Year-Oldhe data sheet Ising an Unbeltedhe data sheet Ising 6 Year-Oldhe data sheet	med after the followold CRABI Dummy fant Dummy (S20) Dummy and Boosto Dummy and Forwa d 3-Year-Old Dumm Dummy and Boosto	(S20) er Seats (S22) urd Facing Con ny (S22)	vertible Child Re	straints
 <u>X_</u> 2.	Suppr After s Leave	ression Test U section of t the seat in th	lsing 6 Year-Old- he data sheet le position used f	Dummy (\$24.2.1) or the suppression	test. (Do NOT	recline the seat	back as it
<u>X</u> 3.	Place should	the dummy in d not be touch	ing the seat cust	e legs at an angle o nion. (S16.3.3.1.2)	_	_	
<u>X</u> 4. ∨ €	(\$16.3	3.3.1.3 or S16	.3.3.1.4)	e vertical and coinc			
<u>X_</u> 5.	angle.	. (S16.3.3.1.5)	•	push rearward on th			peivic
<u>X</u> 6. <u>X</u> 7	Set th to 6.7	e transverse d inches). Cen	distance between	the thighs to 120 de the centers of the aration with respect mm	front of the kne	ees at 160 to 170	
<u>X</u> 8.	calves Pe	s contact the s lvis contacted	eat cushion, whi	es until the pelvis co chever occurs first.		it back, or the ba	cks of the
<u>X_</u> 9.				prees (approximate the dummy and the			le three
<u>N/A</u> 10.	If need	ded, extend th		eet do not contact t			l be resting
<u>X_</u> 11.	If the (0.2 in contact	dummy contac	cts the interior m eved or the seat i .8)	ove the seat rearwa s in the closest dete			
	Du	mmy contact. Measured (Clearance set a Clearance	t maximum of 5mm			
	Du	Seat position	. Seal set at nea on detent pos t is position zero)	rest detent position sitions rearward of t	n. full forward		

<u>X_</u> 12.	 Verify the pelvis is not interfering with the seat bight. 	(516.3.3.1.9)
X 13	Verify the dummy abdomen is properly installed. (S1	6.3.3.1.9)
X 14.		
_	be 20.0 degrees +/- 2.5 degrees. If the pelvic angle	
	angular difference. (\$16.3.3.1.11)	
	X Pelvic angle set to 20.0 degrees +/- 2.5 degrees.	
	Pelvic angle of 20.0 degrees not achieved, the an	gular difference was minimized.
	X Record the pelvic angle. 21.8 degrees	2
X 15	Check the dummy for contact with the interior after or	empleting adjustments. (S16.3.3.1.12)
<u> </u>	X No contact.	on placing trajection to the term of the
	Dummy in contact with interior.	
	Seat moved Aft mm from the previou	s nosition
	Seat moved Aft detent positions from	the previous position
X_16		
<u></u>	15.1 Place feet flat on the toe board. OR	10.0.0.27
	X 16.2 If the feet will not cannot be placed flat on th	e toe board, set the feet perpendicular to the
	lower leg, and rest the heel as far forward on the floo	
	16.3 If the heels do not touch the floor pan, set the	
	the floor pan.	o rogo ta tarrioar aria cot tire roct paramor to
X 17	Passenger arm/hand positioning. (S16.3.3.3)	
<u></u>	X_17.1 Place the dummy's upper arms adjacent to t	he torso with the arm centerlines as iclose to
	a vertical longitudinal plane as possible. (\$16.3.2.3.1	
	X_17.2 Place the palms of the dummy in contact with	
	X 17.3 Place the little fingers in contact with the sea	
V 10		
<u>A_</u> 10.	 Start the vehicle engine or place the ignition in the "o suppression system, and close all vehicle doors. (S2 	
	whether the air bag is suppressed. (\$22.2.1.8)	2.2.1.7) Wait to seconds, and their check
	· ,	
	Air Bag Suppressed – FAIL	
V 40	X Air Bag Not Suppressed – Pass	
<u>X_19.</u>	Return the ignition switch to the "off" position.	
C C25	se, G. Fout.	10/09/02
	fy that I have read and performed each instruction.	Date
	-, und et a contra contra procession de la contra con	E-11-17

RESULTS FROM DATA SHEET 16 Suppression Test Using 3-Year-Old Dummy (Part 572, Subpart P) and Booster Seats (S22)

NHTSA No. <u>C30102</u>	Test Date: 10/09/02
Laboratory: <u>VRTC</u>	Test Technician(s): B. Smith, C. Case, G. Fout
Child Restraint Name, Model, and M	lanufacture Date: Centrury Nevt Sten

	Seat Belt Tension	Suppressed, FAIL, Or N/A
Foremost seat position	129.4 N	Suppressed
Mid seat position	129.4 N	Suppressed
Rearmost seat position	129.4 N	Suppressed
Foremost seat position	N/A	Suppressed
Mid seat position	N/A	Suppressed
Rearmost seat position	N/A	Suppressed

NHTSA N	o. <u>C30102</u>	Test Date:10/09/02	
Laborator	y: VRTC	Test Technician(s): <u>C. Case, G. Fout</u>	
three fore-		d Mid position \underline{X} Full forward. (Use a separate sheet for each of (S20.3.1, 22.3.1, S24.3.1) se tests.	the
— SI — At — At — SI — SI — At — At	uppression Test Usin fter section of the uppression of the	ng Newborn Infant Dummy (S20) data sheet ng 3-Year-Old Dummy and Booster Seats (S22) data sheet ng 3-Year-Old Dummy and Forward Facing Convertible Child Restrair data sheet ng an Unbelted 3-Year-Old Dummy (S22) data sheet ng 6 Year-Old-Dummy and Booster Seats (S24.2.1) data sheet	nts
At <u>X_</u> 2. L e	fter section of the	position used for the suppression test. (Do NOT recline the seat back	as it
X_3. PI sh	lace the dummy in the rould not be touching	ie seat with the legs at an angle of 120 degrees to the thighs. The call the seat cushion. (\$16.3.3.1.2)	
(S	316.3.3.1.3 or \$16.3.3	iidsagittal plane vertical and coincident with the seating position cente 3.1.4) r's thighs and push rearward on the upper torso to maximize the pelvio	
ar <u>X_</u> 6. So <u>X_</u> 7 So to	ngle. (S16.3.3.1.5) et the angle between et the transverse dist 6.7 inches). Center	the legs and the thighs to 120 degrees. (\$16.3.3.1.6) tance between the centers of the front of the knees at 160 to 170 mm the knee separation with respect to the seat centerline. (\$16.3.3.1.6) to 165.1 mm	(6.3
X_8. Po	ush rearward on the d	dummy's knees until the pelvis contacts the seat back, or the backs of it cushion, whichever occurs first. (\$16.3.3.1.6) eat back.	of the
<u>X</u> 9. G	ently rock the upper t	torso +/- 5 degrees (approximately 51 mm (2 inches)) side to side threction between the dummy and the seat. (S16.3.3.1.7)	ee
<u>N/A</u> 10. If		legs until the feet do not contact the floor pan. The thighs should be r	esting
(0	0.2 inches) is achieve ontact. (\$16.3.3.1.8) N/A No contact _Dummy contact. Cl	learance set at maximum of 5mm	
_	_ Dummy Contact. S	arance mm Seaf set at nearest detent position detent positions rearward of full forward	

<u>X_</u> 12.	Verify the pelvis is not interfering with the seat bight. (\$16.3.3.1.9)
X 13	Verify the dummy abdomen is properly installed. (S16.3.3.1.9)
X 14.	Measure and set the pelvic angle using the pelvic angle gage TE-2504. The pelvic angle should
_	be 20.0 degrees +/- 2.5 degrees. If the pelvic angle cannot be set to 20 degrees, minimize the
	angular difference. (\$16.3.3.1.11)
	X Pelvic angle set to 20.0 degrees +/- 2.5 degrees.
	Pelvic angle of 20.0 degrees not achieved, the angular difference was minimized.
	X Record the pelvic angle. 21.2 degrees
<u>X_</u> 15.	
	X No contact.
	Dummy in contact with interior.
	Seat moved Aft mm from the previous position.
	Seat moved Aft detent positions from the previous position.
X_16	
	15.1 Place feet flat on the toe board. OR
	X 16.2 If the feet will not cannot be placed flat on the toe board, set the feet perpendicular to the
	lower leg, and rest the heel as far forward on the floor pan as possible. OR
	16.3 If the heels do not touch the floor pan, set the legs to vertical and set the feet parallel to
	the floor pan.
X 17	Passenger arm/hand positioning. (S16.3.3.3)
<u> </u>	\times 17.1 Place the dummy's upper arms adjacent to the torso with the arm centerlines as close to
	a vertical longitudinal plane as possible. (\$16.3.2.3.1)
	X_17.2 Place the palms of the dummy in contact with the outer part of the thighs (\$16.3.3.3.2)
	X 17.3 Place the little fingers in contact with the seat cushion. (\$16.3.3.3.3)
X_18.	
<u> </u>	suppression system, and close all vehicle doors. (S22.2.1.7) Wait 10 seconds, and then check
	whether the air bag is suppressed. (\$22.2.1.8)
	Air Bag Suppressed – FAIL
	X Air Bag Not Suppressed – Pass
V 10	Return the ignition switch to the "off" position.
<u></u>	Return the ignition switch to the on position.
C Cas	se. G. Fout, B. Smith 10/09/02
	y that I have read and performed each instruction. Date

RESULTS FROM DATA SHEET 16 Suppression Test Using 3-Year-Old Dummy (Part 572, Subpart P) and Booster Seats (S22)

NHTSA No. <u>C30102</u>	Test Date:10/09/02
Laboratory: <u>VRTC</u>	Test Technician(s): B. Smith, C. Case, G. Fout
Child Restraint Name, Model, and Manu	ıfacture Date: Cosco High Back Booster

	Seat Belt Tension	Suppressed, FAIL, Or N/A
Foremost seat position	132.6 N	Suppressed
Mid seat position	132.6 N	Suppressed
Rearmost seat position	132.6 N	Suppressed
Foremost seat position	N/A	Suppressed
Mid seat position	N/A	Suppressed
Rearmost seat position	N/A	Suppressed

NHTSA	. No	C30102				Test Date:	10/09/00	2
Laborat	tory:	VRTC		Test Tech	nician(s): <u>C. (</u>	Case, G. Fou	ıt	_
three fo	re-aft p	ositions to	earward X Mested.) (\$20.3 or these tests	.1, 22.3.1, S2		(Use a sepa	ırate sheet	for each of the
_	Suppre After's Suppre After's Suppre (S22) After's Suppre After's Suppre After's	ession Telection	test is being st Using 12-M of the data shot Using 3-Yes of the data shot Using 3-Yes of the data shot Using an Using 6 Yes of the data shot Using 6 Yes	onth-Old CR, neet porn Infant Do neet ar-Old Dumm neet nbelted 3-Yea neet ar-Old-Dumm neet	ABI Dummy (ummy (S20) ly and Booste ly and Forwal ar-Old Dumm ly and Booste	S20) or Seats (S22 od Facing Co oy (S22)	') nvertible Cl	nild Restraints
<u> </u>	After s Leave	ection the seat i	of the data sh	neet used for the		est. (Do NO	T recline th	e seat back as it
<u>X_</u> 3. <u>X_</u> 4.	Place should	the dumm I not be to	y in the seat v uching the se	with the legs : at cushion. (\$	S16.3.3.1.2)	_	_	hs. The calves sition centerline.
<u>X_</u> 5.	(\$16.3 Hold d	.3.1.3 or 3 own the d	316.3.3.1.4) lummy's thigh	·				
<u>X</u> 6. <u>X</u> 7	Set the Set the to 6.7	e transver inches). (tween the leg se distance be Center the kno	etween the co ce separation	enters of the f with respect	ront of the kr	nees at 160	to 170 mm (6.3 516.3.3.1.6)
<u>X</u> 8.	Push r calves Pel	earward d contact th vis contact	paration on the dummy ne seat cushic ted seat back cted seat cus	's knees until on, whichever :.	the pelvis co			the backs of the
<u>X_</u> 9.	Gently	rock the		- 5 degrees (e ta side three
<u>N/A</u> 10.	If need	led, exten		il the feet do				should be resting
<u>X_</u> 11.	If the coordinates (0.2 in contact	lummy co	ntacts the inte chieved or the 3.1.8)	erior move the				rance of 5 mm not cause dummy
		Measure mmy Cont	act. Clearance ed Clearance act. Seal set sition deti	at nearest de	mm etent position.			
			rard is position		roalward of It	an POITFORM		

 X 13 Verify the dummy abdomen is properly installed. (S16.3.3.1.9) X 14. Measure and set the pelvic angle using the pelvic angle gage TE-2504. The pelvic angle should be 20.0 degrees +/- 2.5 degrees. If the pelvic angle cannot be set to 20 degrees, minimize the angular difference. (S16.3.3.1.11) X Pelvic angle set to 20.0 degrees +/- 2.5 degrees. Pelvic angle of 20.0 degrees not achieved, the angular difference was minimized. X Record the pelvic angle. 22.5 degrees X 15. Check the dummy for contact with the interior after completing adjustments. (S16.3.3.1.12) X No contact. Dummy in contact with interior. Seat moved Aft mm from the previous position. Seat moved Aft detent positions from the previous position. X 16 Foot positioning. (Indicate final position achieved) (S16.3.3.2)
be 20.0 degrees +/- 2.5 degrees. If the pelvic angle cannot be set to 20 degrees, minimize the angular difference. (\$16.3.3.1.11) X Pelvic angle set to 20.0 degrees +/- 2.5 degrees. Pelvic angle of 20.0 degrees not achieved, the angular difference was minimized. X Record the pelvic angle. 22.5 degrees Check the dummy for contact with the interior after completing adjustments. (\$16.3.3.1.12) X No contact. Dummy in contact with interior. Seat moved Aft mm from the previous position. Seat moved Aft detent positions from the previous position.
angular difference. (\$16.3.3.1.11) X Pelvic angle set to 20.0 degrees +/- 2.5 degrees. Pelvic angle of 20.0 degrees not achieved, the angular difference was minimized. X Record the pelvic angle
Pelvic angle of 20.0 degrees not achieved, the angular difference was minimized. X Record the pelvic angle. 22.5 degrees Check the dummy for contact with the interior after completing adjustments. (\$16.3.3.1.12) No contact. Dummy in contact with interior. Seat moved Aft mm from the previous position. Seat moved Aft detent positions from the previous position.
X Record the pelvic angle22.5 degrees X15. Check the dummy for contact with the interior after completing adjustments. (S16.3.3.1.12) X No contact Dummy in contact with interior Seat moved Aft mm from the previous position Seat moved Aft detent positions from the previous position.
 X_15. Check the dummy for contact with the interior after completing adjustments. (\$16.3.3.1.12) X_ No contact. Dummy in contact with interior. Seat moved Aft mm from the previous position. Seat moved Aft detent positions from the previous position.
 X No contact. Dummy in contact with interior. Seat moved Aft mm from the previous position. Seat moved Aft detent positions from the previous position.
 Dummy in contact with interior. Seat moved Aft mm from the previous position. Seat moved Aft detent positions from the previous position.
 Seat moved Aft mm from the previous position. Seat moved Aft detent positions from the previous position.
Seat moved Aft detent positions from the previous position.
X 16 Foot positioning (Indicate final position achieved) (\$16.3.3.2)
15.1 Place feet flat on the toe board. OR
X_16.2 If the feet will not cannot be placed flat on the toe board, set the feet perpendicular to the
lower leg, and rest the heel as far forward on the floor pan as possible. OR
16.3 If the heels do not touch the floor pan, set the legs to vertical and set the feet parallel to
the floor pan.
X_17. Passenger arm/hand positioning. (S16.3.3.3)
X_17.1 Place the dummy's upper arms adjacent to the torso with the arm centerlines as close
a vertical longitudinal plane as possible. (\$16.3.2.3.1)
$\frac{X}{X}$ 17.2 Place the palms of the dummy in contact with the outer part of the thighs (S16.3.3.3.2)
\underline{X} _17.3. Place the little fingers in contact with the seat cushion. (\$16.3.3.3.3)
X_18. Start the vehicle engine or place the ignition in the "on" position, whichever will turn on the
suppression system, and close all vehicle doors. (S22.2.1.7) Wait 10 seconds, and then check
whether the air bag is suppressed. (\$22.2.1.8)
Air Bag Suppressed – FAIL
X_Air Bag Not Suppressed – Pass
X_19. Return the ignition switch to the "off" position.
C. Case, G. Fout
Leartify that I have read and performed each instruction.

RES	SULTS FROM DATA SHEET 18
Suppression Tests Using an	Unbelted 3-Year-Old Dummy (Part 572, Subpart P) (S22)
NHTSA No. <u>C30102</u>	Test Date: 10/09/02
Laboratory: <u>VRTC</u>	Test Technician(s): <u>C. Case, B. Smith, G. Fout</u>
Dummy Serial No038	

		Foremost seat	Mid seat	Rearmost seat
		position	position	position
1	Sitting on seat with back against seat back	Suppressed	Suppressed	Suppressed
2	Sitting on seat with back against reclined seat back	Suppressed	N/A ²	N/A ²
3	Sitting on seat with back not against seat back	Suppressed	Suppressed	Suppressed*
4	Sitting on seat edge, spine vertical, hands by the dummy's side	Suppressed ¹	Suppressed	Suppressed ³
5	Standing on seat, facing forward	Suppressed	Suppressed	Suppressed ²
6	Kneeling on seat facing forward	Suppressed	Suppressed	Suppressed ²
7	Kneeling on seat facing rearward	Suppressed	Suppressed	Suppressed ²
8	Lying on seat	Suppressed	Suppressed	Suppressed ²

- 5 detents rearward of full forward
 Not done because seat back angle was worst case in foremost position
 Dummy serial no. 038

NHTSA	No	C30102					Test	Date: _	10/09.	/02	
Laborat	tory:	VRTC		_ Test	Technic	ian(s): <u>C.</u>	Case, 0	3. Fout		_	
three fo	re-aft p	ositions te	earward ested.) (S20 or these tes).3.1, 22.3			d (Use	a separ	ate she	et for eac	ch of the
- - -	Suppre After si Suppre After si Suppre (S22) After si Suppre After si Suppre After si	ession Tesectionession Tesectionession Tesectionession Tesection 8_ession Tesection 8_ession Tesectionession Tesectionession Tesectionession Tesection	test is being test Using 12- of the data at Using 3-1 of the data at Using 3-1 of the data at Using an of the data at Using 6 1 of the data at Using 6 1 of the data at Using 6 1	-Month-Ol sheet wborn Infa sheet /ear-Old E sheet Unbelted sheet /ear-Old-E sheet	d CRAB ant Dum Dummy a Dummy a 3-Year- Dummy a	I Dummy my (S20) and Boost and Forwa Old Dumn and Boost	(S20) er Seat ard Faci my (S22	s (S22) ng Con•	vertible	Child Re	straints
<u>X</u> 2.	After so Leave	ection the seat i	of the data n the positio sitioning for	sheet on used fo	or the su		test. (I	OO NOT	recline	the seat	back as it
<u>X_</u> 3. <u>X_</u> 4.	Place t should	he dumm not be to	y in the sea uching the s imy midsag	at with the seat cushi	legs at a ion. (S16	3.3.3.1.2)		_		_	
<u>X_</u> 5.	Hold de		816.3.3.1.4) lurnmy's thi; 1.5)		ush rear	ward on t	he uppe	er torso t	to maxir	mize the	pelvic
<u>X</u> 6. <u>X</u> 7	Set the Set the to 6.7 i	angle be transver nches). (tween the I se distance Center the k paration	between inde sepa	the cent ration wi	ers of the	front of	the kne	es at 16		
<u>X</u> 8.	Push recalvesPeh	earward c contact th vis contact	on the dumner seat customers the	ny's knee: hion, whic ick.	s until th	•			l back,	or the ba	cks of the
<u>X_</u> 9.	Gently	rock the i	upper torso the friction I	+/- 5 degr						ide ta sid	le three
<u>N/A</u> 10.	If need	ed, exten	d the legs to	intil the fe						is should	l be resting
<u>X_</u> 11.	If the d (0.2 ind contact X N//	ummy co ches) is a t. (\$16.3. A No cont	ntacts the in chieved or t 3.1.8)	nterior mo the seat is	in the c	losest det	ent pos				
		Measure nmy Cont	ed Clearand act. Seal s	ce et at near	est dete	_ mm nt position	٦.				
			sition d rard is posit		itions rea	arward of	full forw	ard			

<u>X_</u> 12.	 Verify the pelvis is not interfering with the seat bight. 	(516.3.3.1.9)
X 13	Verify the dummy abdomen is properly installed. (S1	(6.3.3.1.9)
X 14.		
_	be 20.0 degrees +/- 2.5 degrees. If the pelvic angle	
	angular difference. (\$16.3.3.1.11)	
	X Pelvic angle set to 20.0 degrees +/- 2.5 degrees.	
	Pelvic angle of 20.0 degrees not achieved, the an	
	X Record the pelvic angle. 21.3 degrees	garar arrestorios trato transmissos.
X 15	Check the dummy for contact with the interior after o	ompleting adjustments (S16.3.3.1.12)
<u>,, i.</u>	X No contact.	omproving dejectionic. (or o.o.o
	Dummy in contact with interior.	
	Seat moved Aft mm from the previou	s nosition
	Seat moved Aft detent positions from	the previous position
X_16		
<u>~</u>	15.1 Place feet flat on the toe board. OR	10.0.0.27
	X 16.2 If the feet will not cannot be placed flat on the	e toe board, set the feet perpendicular to the
	lower leg, and rest the heel as far forward on the floor	
	16.3 If the heels do not touch the floor pan, set th	
	the floor pan.	o logo to various and oct the loct parents to
X 17	Passenger arm/hand positioning. (S16.3.3.3)	
<u></u>	X_17.1 Place the dummy's upper arms adjacent to t	he torso with the arm centerlines as iclose to
	a vertical longitudinal plane as possible. (\$16.3.2.3.1	
	X_17.2 Place the palms of the dummy in contact with	
V 46	X 17.3 Place the little fingers in contact with the sea	
<u>X_</u> 18.	Start the vehicle engine or place the ignition in the "o	
	suppression system, and close all vehicle doors. (S2	2.2.1.7) Yvait Tu seconds, and then check
	whether the air bag is suppressed. (S22.2.1.8)	
	Air Bag Suppressed – FAIL	
V 40	X Air Bag Not Suppressed – Pass	
<u>X_</u> 19.	Return the ignition switch to the "off" position.	
C C 25	se, G. Fout.	10/09/02
	fy that I have read and performed each instruction.	Date
12/21	y men i nervo recta enta por entinece censi menticiliti.	

RESULTS FROM DATA SHEET 19
Suppression Test Using 6-Year-Old Dummy (Part 572, Subpart N) and
Booster Seats (S24.2.1)

NHTSA No. <u>C30102</u>	Test Date:10/09/02					
Laboratory: <u>VRTC</u>	Test Technician(s): B. Smith, C. Case, G. Fout					
Child Restraint Name, Model, and Manufacture Date: Centrury Next Step						

	Seat Belt Tension	Suppressed, FAIL, Or N/A
Foremost seat position	N/A	Suppressed
Mid seat position	N/A	Suppressed
Rearmost seat position	N/A	Suppressed

NHTSA	No	C30102	Test Date:10/09/02	
Laborat	tory:	VRTC	Test Technician(s): <u>C. Case, G. Fout</u>	
three fo	re-aft p	ositions te	arward Mid position Full forward. (Use a separate sheet for each of the ested.) (\$20.3.1, 22.3.1, \$24.3.1) or these tests.	
_ _ _	Suppre After so Suppre After so Suppre (S22) After so Suppre After so	ssion Telectionssion Telectionssion Telectionssion Telectionssion Telectionssion Telectionssion Telectionssion Telectionssion	test is being performed after the following suppression test: It Using 12-Month-Old CRABI Dummy (\$20) It the data sheet It Using Newborn Infant Dummy (\$20) It the data sheet It Using 3-Year-Old Dummy and Booster Seats (\$22) It data sheet It Using 3-Year-Old Dummy and Forward Facing Convertible Child Restraints It Using 3-Year-Old Dummy and Forward Facing Convertible Child Restraints It Using an Unbelted 3-Year-Old Dummy (\$22) It data sheet It Using 6 Year-Old-Dummy and Booster Seats (\$24.2.1)	
	After se Suppre After se	ection <u>1 </u>	of the data sheet of Using 6 Year-Old-Dummy (\$24.2.1) of the data sheet of the position used for the suppression test. (Do NOT recline the seat back as	iŧ
<u>X_</u> 3.	would t Place t	oe for pos he dumm	itioning for a crash test.) y in the seat with the legs at an angle of 120 degrees to the thighs. The calves uching the seat cushion. (S16.3.3.1.2)	
<u>X_</u> 4.	Position	n the dun	imy midsagittal plane vertical and coincident with the seating position centerlin §16.3.3.1.4)	e.
<u>X_</u> 5.	Hold do		urnmy's thighs and push rearward on the upper torso to maximize the pelvic	
<u>X</u> 6. <u>X</u> 7	Set the to 6.7 in	transver nches). (tween the legs and the thighs to 120 degrees. (\$16.3.3.1.6) se distance between the centers of the front of the knees at 160 to 170 mm (6.5 center the knee separation with respect to the seat centerline. (\$16.3.3.1.6) paration165.1 mm	3
<u>X</u> 8.	Push recalves Pelv	earward d contact th vis contact	n the dummy's knees until the pelvis contacts the seat back, or the backs of the seat cushion, whichever occurs first. (\$16.3.3.1.6) ted seat back. cted seat cushion.	е
<u>X_</u> 9.	Gently	rock the	upper torso +/- 5 degrees (approximately 51 mm (2 inches)) side to side three the friction between the dummy and the seat. (\$16.3.3.1.7)	
<u>N/A</u> 10.	If need	ed, exten	d the legs until the feet do not contact the floor pan. The thighs should be rest ion. (S16.3.3.1.8)	ηg
<u>X_</u> 11.	If the di (0.2 incontact X N/A	ummy co thes) is a t. (\$16.3 \ No cont	ntacts the interior move the seat rearward until a maximum clearance of 5 mm chieved or the seat is in the closest detent position which does not cause dumr 3.1.8) act	
		Measur	act. Clearance set at maximum of 5mm ed Clearance mm	
	Dun	Seat po	act. Seaf set at nearest detent position. Sition detent positions rearward of full forward ard is position zero)	

X_12.		
X 13 X 14.		
<u></u>	be 20.0 degrees +/- 2.5 degrees. If the pelvic angle cann	
	angular difference. (\$16.3.3.1.11)	iot bo dot to 20 dogrovo; minimizo dio
	X Pelvic angle set to 20.0 degrees +/- 2.5 degrees.	
	Pelvic angle of 20.0 degrees not achieved, the angula	r difference was minimized.
	X Record the pelvic angle. 22.4 degrees	
X 15.	. Check the dummy for contact with the interior after comp	leting adjustments. (\$16,3,3,1,12)
	X_ No contact.	, , , , , , , , , , , , , , , , , , , ,
	Dummy in contact with interior.	
	Seat moved Aft mm from the previous po	sition.
	Seat moved Aft detent positions from the	previous position.
X_16	 Foot positioning. (Indicate final position achieved) (\$16.3) 	.3.2)
_	15.1 Place feet flat on the toe board. OR	•
	\overline{X} 16.2 If the feet will not cannot be placed flat on the too	e board, set the feet perpendicular to the
	lower leg, and rest the heel as far forward on the floor par	n as possible. OR
	16.3 If the heels do not touch the floor pan, set the leg	s to vertical and set the feet parallel to
	the floor pan.	
<u>X_</u> 17.	. Passenger arm/hand positioning. (S16.3.3.3)	
	\underline{X} 17.1 Place the dummy's upper arms adjacent to the to	orso with the arm centerlines as close to
	a vertical longitudinal plane as possible. (\$16.3.2.3.1)	
	\underline{X} 17.2 Place the palms of the dummy in contact with the	
	\underline{X} 17.3 Place the little fingers in contact with the seat cu	shion. (\$16.3.3.3.3)
X_18.	Start the vehicle engine or place the ignition in the "on" per	osition, whichever will turn on the
	suppression system, and close all vehicle doors. (S22.2.1	1.7) Wait 10 seconds, and then check
	whether the air bag is suppressed. (\$22.2.1.8)	
	Air Bag Suppressed – FAIL	
	X_Air Bag Not Suppressed – Pass	
<u>X_</u> 19.	Return the ignition switch to the "off" position.	
C. Cas	ase, G. Fout.	10/09/02
	ify that I have read and performed each instruction.	Date

RESULTS FROM DATA SHEET 19
Suppression Test Using 6-Year-Old Dummy (Part 572, Subpart N) and
Booster Seats (S24.2.1)

NHTSA No. <u>C30102</u>	Test Date:10/09/02
Laboratory: VRTC	Test Technician(s): B. Smith, C. Case, G. Fout
Child Restraint Name, Model, and Man	ufacture Date: Cosco High Back Booster

	Seat Belt Tension	Suppressed, FAIL, Or N/A
Foremost seat position	N/A	Suppressed
Mid seat position	N/A	Suppressed
Rearmost seat position	N/A	Suppressed

NHTSA	.No	C30102		-	Test Date: _	10/09/02	
Laborat	ory: _	VRTC	Tes	t Technician(s): <u>C. </u>	Case, G. Fout		
three fo	re-aft		ed.) (S20.3.1, 22.3	tion <u>X</u> Full forward 3.1, S24.3.1)	l (Use a separ	ate sheet for each	of the
_ _ _	Suppri After s Suppri After s Suppri (S22) After s Suppri After s Suppri After s	ression Test to section of ressio	Jsing 12-Month-O the data sheet Jsing Newborn Int the data sheet Jsing 3-Year-Old the data sheet Jsing 3-Year-Old the data sheet Jsing an Unbelted the data sheet Jsing 6 Year-Old-	ned after the followold CRABI Dummy (S20) fant Dummy and Booste Dummy and Forwa I 3-Year-Old Dumm Dummy and Booste	(S20) er Seats (S22) rd Facing Con ny (S22)	vertible Child Res	traints
 <u>X_</u> 2.	After s Leave	section of the seat in t	the data sheet	Dummy (\$24.2.1) or the suppression	test. (Do NOT	recline the seat k	oack as it
<u>X_</u> 3. <u>X_</u> 4.	Place should	the dummy in dinot be touch	n the seat with the hing the seat cush	e legs at an angle o nion. (\$16.3.3.1.2) e vertical and coinc	_	_	
<u>X</u> 5.	(\$16.3 Hold o	3.3.1.3 or S16	5.3.3.1.4) irny's thighs and p	oush rearward on th			
<u>X</u> 6. <u>X</u> 7	Set th Set th to 6.7	e angle betw e transverse inches). Cer	een the legs and t distance between iter the knee sepa	the thighs to 120 de the centers of the gration with respect	front of the kne	ees at 160 to 170	
<u>X</u> 8.	Push calves Pe	rearward on t s contact the livis contacted	seat cushion, whic	mm s until the pelvis co chever occurs first.		it back, or the bac	ks of the
<u>X_</u> 9.	Gently	y rock the upp	er torso +/- 5 deg	rees (approximate) the dummy and the			three
<u>N/A</u> 10.	If need	ded, extend t		eet do not contact t			be resting
<u>X_</u> 11.	(0.2 in contac <u>X</u> N.	iches) is achi ct. (\$16.3.3.1 A No contact immy contact	eved or the seat is l.8) i . Clearance set a	ove the seat rearwa s in the closest dete t maximum of 5mm	ent position wh		
	Du	mmy Contac Seat positi	Clearance	rest detent position sitions rearward of f	iuli forward		

X_12. X_13	Verify the pelvis is not interfering with the seat bight. (\$16.3.3.1.9) Verify the dummy abdomen is properly installed. (\$16.3.3.1.9)
X 14.	
	be 20.0 degrees +/- 2.5 degrees. If the pelvic angle cannot be set to 20 degrees, minimize the
	angular difference. (\$16.3.3.1.11)
	X Pelvic angle set to 20.0 degrees +/- 2.5 degrees.
	Pelvic angle of 20.0 degrees not achieved, the angular difference was minimized.
	X Record the pelvic angle. 19.8 degrees
<u>X_</u> 15.	Check the dummy for contact with the interior after completing adjustments. (\$16.3.3.1.12)
	X No contact.
	Dummy in contact with interior.
	Seat moved Aft mm from the previous position.
	Seat moved Aft detent positions from the previous position.
<u>X</u> 16	Foot positioning. (Indicate final position achieved) (\$16.3.3.2)
	15.1 Place feet flat on the toe board. OR
	X_16.2 If the feet will not cannot be placed flat on the toe board, set the feet perpendicular to the
	lower leg, and rest the heel as far forward on the floor pan as possible. OR
	18.3 If the heels do not touch the floor pan, set the legs to vertical and set the feet parallel to
	the floor pan.
<u>X</u> 17.	Passenger arm/hand positioning. (S16.3.3.3)
	X_17.1 Place the dummy's upper arms adjacent to the torso with the arm centerlines as close to
	a vertical longitudinal plane as possible. (\$16.3.2.3.1)
	$\frac{X}{2}$ 17.2 Place the palms of the dummy in contact with the outer part of the thighs (S16.3.3.3.2)
	\underline{X} _17.3 Place the little fingers in contact with the seat cushion. (\$16.3.3.3.3)
<u>X_</u> 18.	
	suppression system, and close all vehicle doors. (S22.2.1.7) Wait 10 seconds, and then check
	whether the air bag is suppressed. (\$22.2.1.8)
	Air Bag Suppressed – FAIL
	X_Air Bag Not Suppressed – Pass
<u>X_</u> 19.	Return the ignition switch to the "off" position.
C. Cas	se, G. Fout 10/09/02
	y that I have read and performed each instruction. Date

RESULTS FROM DATA SHEET 19
Suppression Test Using 6-Year-Old Dummy (Part 572, Subpart N) and
Booster Seats (S24.2.1)

NHTSA No	C30102	Test Date:10/09/02
Laboratory: _	VRTC	Test Technician(s): B. Smith, C. Case, G. Fout
Child Restrair	nt Name, Model, and Manu	ıfacture Date: <u>Evenflo Right Fit</u>

	Seat Belt Tension	Suppressed, FAIL, Or N/A
Foremost seat position	N/A	Suppressed
Mid seat position	N/A	Suppressed
Rearmost seat position	N/A	Suppressed

NHTSA	No	C30102				Test Date	e: <u>10/09</u>	0/02
Laborat	tory:	VRTC		Test Tec	hnician(s): <u>C.</u>	Case, G. F	out, B. Smi	ith
three fo	re-aft p	ositions te	earward M ested.) (S20.3 or these tests	3.1, 22.3.1, \$		d (Use a se	eparate she	et for each of the
_ _ _	Suppre After s Suppre After s Suppre (S22) After s Suppre After s Suppre After s Suppre	ession Telection	st Using 12-Nof the data state of the data state	fonth-Old Cl heet born Infant I heet ear-Old Dum heet heet heet ar-Old-Dum	after the follow RABI Dummy Dummy (S20) my and Boost my and Forwa ear-Old Dumr my and Boost	(S20) ter Seats (S ard Facing (my (S22)	22) Convertible	Child Restraints
_ <u>X_</u> 2.	Suppro After s Leave	ession To: ection the seat i	st Using 6 Ye of the data st n the position	ar-Old-Dum heet rused for the		itest. (Do N	NOT recline	the seat back as it
<u>X_</u> 3. <u>X_</u> 4.	Place t should	the dumm not be to	uching the se	with the legs at cushion.	(S16.3.3.1.2)	_		highs. The calves
<u>—</u> <u>X_</u> 5.	(\$16.3 Hold d	.3.1.3 or \$	816.3.3.1.4) lurnmy's thigh	·			•	imize the pelvic
<u>X</u> 6. <u>X</u> 7	Set the Set the to 6.7 i	angle be transver nches). (etween the leg se distance b	etween the ce separatio	n with respec	front of the	knees at 1	60 to 170 mm (6.3 . (\$16.3.3.1.6)
<u>X</u> 8.	Push recalvesPeh	earward d contact th vis contact	on the dummy	/'s knees un on, whicheve k.				or the backs of the
<u>X_</u> 9.	Gently	rock the	upper torso +.	/- 5 degrees	(approximate ummy and the			ide to side three
<u>N/A</u> 10.	If need	ed, exten		til the feet de				hs should be restin
<u>X_</u> 11.	If the d (0.2 incontac X N/A	ummy co ches) is a t. (\$16.3 A No cont	ntacts the inte chieved or the 3.1.8) act	erior move the seat is in t		tent positi o n		earance of 5 mm is not cause dummy
		Measure nmy Cont Seat po	ed Clearance act. Seal set	t at nearest d ent position:		n.		

X_12. X_13		
X 14.		4. The polyie angle should
<u>^ 14.</u>	be 20.0 degrees +/- 2.5 degrees. If the pelvic angle cannot be set to	
		20 degrees, minimize die
	angular difference. (\$16.3.3.1.11)	
	X Pelvic angle set to 20.0 degrees +/- 2.5 degrees.	
	Pelvic angle of 20.0 degrees not achieved, the angular difference	was minimized.
	X Record the pelvic angle. 22.1 degrees	
<u>X_</u> 15.	Check the dummy for contact with the interior after completing adjust	ments. (\$16.3.3.1.12)
	X No contact:	
	Dummy in contact with interior.	
	Seat moved Aft mm from the previous position.	
	Seat moved Aft detent positions from the previous po	sition.
<u>X</u> 16	16 Foot positioning. (Indicate final position achieved) (\$16.3.3.2)	
	15.1 Place feet flat on the toe board. OR	
	X_16.2 If the feet will not cannot be placed flat on the toe board, set	the feet perpendicular to the
	lower leg, and rest the heel as far forward on the floor pan as possible	e. OR
	16.3 If the heels do not touch the floor pan, set the legs to vertical	and set the feet parallel to
	the floor pan.	•
X 17.	17. Passenger arm/hand positioning. (S16.3.3.3)	
_	X_17.1 Place the dummy's upper arms adjacent to the torso with the	arm centerlines as close to
	a vertical longitudinal plane as possible. (\$16.3.2.3.1)	
	X_17.2 Place the palms of the dummy in contact with the outer part of	of the thighs (\$16.3.3.3.2)
	$\frac{1}{X}$ 17.3 Place the little fingers in contact with the seat cushion. (S16.	
V 10		
<u>X_</u> 18.		
	suppression system, and close all vehicle doors. (\$22.2.1.7) Wait 10	seconds, and then check
	whether the air bag is suppressed. (\$22.2.1.8)	
	Air Bag Suppressed – FAIL	
	X_Air Bag Not Suppressed – Pass	
<u>X_</u> 19.	19. Return the ignition switch to the "off" position.	
	D G 5	
	Case, G. Fout. 10/09/0	
тсепт	ertify that I have read and performed each instruction. Date	7

RESULTS FROM DATA SHEET 18

1100	OLIO I ROM DATA ONLLI TO
Suppression Tests Using an	Unbelted 6-Year-Old Dummy (Part 572, Subpart P) (S22)
NHTSA No. <u>C30102</u>	Test Date: 10/09/02
Laboratory: <u>VRTC</u>	Test Technician(s): <u>C. Case, B. Smith, G. Fout</u>
Dummy Serial No. <u>027</u>	

		Foremost seat	Mid seat	Rearmost seat
		position	position	position
1	Sitting on seat with back against seat back	Suppressed ¹	Suppressed	Suppressed
2	Sitting on seat with back against reclined seat back	Suppressed ²	N/A ¹	N/A ¹
3	Sitting on seat edge, spine vertical, hands by the dummy's side	Suppressed	Suppressed	Suppressed
4	Sitting back in the seat and leaning on the right front passenger door	Suppressed ³	ND	Suppressed

- 3 detents rearward of full forward
 5 detents rearward of full forward
- 3 14 detents rearward of full forward
- Not done because seat back angle was worst case in foremost position
 Not done because seat position made no difference for this suppression system

NHTSA	No	C30102	Test Date: 10/09/02	
Laborat	tory:	VRTC	Test Technician(s): <u>C. Case, G. Fout, B. Smith</u>	
three fo *14 dete	re-aft po ents rea	ositions te r of full fo	earward $\underline{\hspace{0.2cm}}$ Mid position \underline{X} Full forward. (Use a separate sheet for each of the ested.) (S20.3.1, 22.3.1, S24.3.1) prward or these tests.	he
- - -	Suppre After se Suppre After se Suppre (S22) After se Suppre After se	ession Tosection ession Tesection ession Tesection ession Tesection ession Tesection	test is being performed after the following suppression test: st Using 12-Month-Old CRABI Dummy (\$20) of the data sheet st Using Newborn Infant Dummy (\$20) of the data sheet st Using 3-Year-Old Dummy and Booster Seats (\$22) of the data sheet st Using 3-Year-Old Dummy and Forward Facing Convertible Child Restraint of the data sheet st Using an Unbelted 3-Year-Old Dummy (\$22) of the data sheet	ts
_	After so	ection	st Using 6 Year-Old-Dummy and Booster Seats (S24.2.1) of the data sheet st Using 6 Year-Old-Dummy (S24.2.1)	
 X_2.	After se Leave t	ection <u>4</u> the seat in	of the data sheet n the position used for the suppression test. (Do NOT recline the seat back a sitioning for a crash test.)	as it
<u>X_</u> 3.	Place t should	he dumm not be to	y in the seat with the legs at an angle of 120 degrees to the thighs. The calvuching the seat cushion. (S16.3.3.1.2)	
<u>X_</u> 4.			nmy midsagittal plane vertical and coincident with the seating position centeri \$16.3.3.1.4)	iine.
<u>X_</u> 5.		own the d (\$16.3.3.1	lummy's thighs and push rearward on the upper torso to maximize the pelvic. 1.5)	I
<u>X</u> 6. <u>X</u> 7	Set the Set the to 6.7 is	angle be transver: nohes). C	tween the legs and the thighs to 120 degrees. (\$16.3.3.1.6) so distance between the centers of the front of the knees at 160 to 170 mm (Center the knee separation with respect to the seat centerline. (\$16.3.3.1.6)	6.3
<u>X_</u> 8.	Push recalves Pelv	earward o contact th vis contact	eparation165.1 mm on the dummy's knees until the pelvis contacts the seat back, or the backs of ne seat cushion, whichever occurs first. (S16.3.3.1.6) sted seat back. loted seat cushion.	the
<u>X</u> 9.	Gently	rock the t	upper torso +/- 5 degrees (approximately 51 mm (2 inches)) side to side thre-	e
<u>N/A</u> 10.	If need	ed, exten	the friction between the dummy and the seat. (\$16.3.3.1.7) d the legs until the feet do not contact the floor pan. The thighs should be re tion. (\$16.3.3.1.8)	sting
<u>X_</u> 11.	If the di (0.2 inc contact X N/A	ummy cor ches) is ac t. (S16.3. \ No cont	ntacts the interior move the seat rearward until a maximum clearance of 5 m chieved or the seat is in the closest detent position which does not cause dur 3.1.8)	
	_	Measure	ed Clearancemm act. Seat set at nearest detent position.	
			sition detent positions rearward of full forward	

	(full forward is position zero)		
X 12.	Verify the pelvis is not interfering with the seat bi	aht. (S16.3.3.1.9)	
X 13	Verify the dummy abdomen is properly installed.		
X_14.	Measure and set the pelvic angle using the pelvi-		kd
	be 20.0 degrees +/- 2.5 degrees. If the pelvic an		
	angular difference. (S16.3.3.1.11)	gra sammat be oct to 20 dogrado, minimizo uno	
	X_Pelvic angle set to 20.0 degrees +/- 2.5 degre	160	
	Pelvic angle of 20.0 degrees not achieved, the		
	X Record the pelvic angle. 21.3 degree		
<u>X_</u> 15.			
<u> </u>	X No contact.	er completing adjustments. (OTO.3.3.1.12)	
	Dummy in contact with interior.		
		vious position	
	Seat moved Aft mm from the preSeat moved Aft detent positions to	from the provious position	
X 16	Foot positioning. (Indicate final position achieved		
	16.1 Place feet flat on the toe board. OR) (310.3.3.2)	
	X_16.2 If the feet will not cannot be placed flat or	on the tee beard, set the feet perpendicular to t	ь,
	lower leg, and rest the heel as far forward on the		115
	16.3 If the heels do not touch the floor pan, se		
	the floor pan.	at the legs to vertical and set the leet parallel to	,
V 17	•		
<u>^_</u> 17.	Passenger arm/hand positioning. (\$16.3.3.3)	ter their territorial relita their energy consistent linear energy colores	
	X_17.1 Place the dummy's upper arms adjacent		L
	a vertical longitudinal plane as possible. (\$16.3.2		
	X 17.2 Place the palms of the dummy in contac		
	X_17.3 Place the little fingers in contact with the		
<u>X_</u> 18.			
	suppression system, and close all vehicle doors.	(\$22.2.1.7) Wait 10 seconds, and then check	
	whether the air bag is suppressed. (\$22.2.1.8)		
	Air Bag Suppressed – FAIL		
	X_Air Bag Not Suppressed – Pass		
<u>X_</u> 19.	Return the ignition switch to the "off" position.		
	e, G. Fout,	10/09/02	
certify	that I have read and performed each instruction.	Date	

DATA SHEET 24

Low Risk Deployment Tests Using an Unbelted 5^{llt} Percentile Female

Dummy (Part 572, Subpart O) (S26)

NH	TSA No. <u>C30102</u>		T	est Date: 10/28/02				
Lab	oratory: VRTC	Test Ted	thnician(s): <u>G. F</u>	out, A. Louden, B. Smith, C. Case				
Dur	nmy Serial No. <u>421</u>							
Ref	erence Points and Planes.	(\$26)						
	 1.1 Position any adjustable parts of the steering controls to the mid-position. If a mid-position adjustment is not achievable, position the controls to the next lowest detent position. (\$26.2.1) 1.2 Position the steering wheel to the straight-ahead position. (\$26.2.1) 1.3 Locate the vertical plane parallel to the vehicle longitudinal centerline through the geometric center of the opening through which the driver air bag deploys into the occupant compartment. This is referred to as "Plane E." (Check determination method below.) (\$26.2.2) X Plane E determined using manufacturer's information supplied by the COTR. (Include manufacturer's information in the test report.) OR Plane E determined by test lab personnel and approved by the COTR. (Include supporting documentation in the test report.) 							
	"Plane E" Measurement Ey (mm)	Measured	Specified	Verify Measured equals Specified +/- 6mm				
<u>x</u>	 X 1.4 Locate the horizontal plane through the geometric center of the opening through which the driver air bag deploys into the occupant compartment. This is referred to as "Plane F." (Check determination method below.) (S26.2.6) X Plane F determined using manufacturer's information supplied by the COTR. (Include manufacturer's information in the test report.) OR Plane F determined by test lab personnel and approved by the COTR. (Include supporting documentation in the test report.) 							
	"Plane F" Measurement	Measured	Specified	Verify Measured equals Specified +/- 6mm				
l	Fz (mm)							

 \underline{X} 1.5 Mark a point on the chin of the dummy 40 mm below the center of the mouth. (Chin Point) (S26.2.6)

- 2.0 Position 1. Chin On Module. (\$26.2)
- X 2.1. Position the seat's adjustable lumbar supports so that the lumbar support is in its lowest, retracted or deflated adjustment position. (S26.2.3)
 - X N/A No lumbar adjustment
- X 2.2. Position any adjustable parts of the seat that provide additional support so that they are in the lowest or most open adjustment position. (S26.2.3)
 - X N/A No additional support adjustment
- X 2.3. If the seat cushion adjusts fore and aft, independent of the seat back, set this adjustment to the full rearward position. (\$26.2.3)
 - X N/A No independent fore-aft seat cushion adjustment
- X 2.4 If the seat cushion height adjusts independent of the seat back, set this adjustment to the full down position.
 - X N/A No independent seat cushion height adjustment.
- X 2.5 If the seat cushion angle adjusts independent of the seat back, set this adjustment to the mid-point angle, (\$26.2.3)
 - X N/A No independent seat cushion angle adjustment.
- X 2.6 Put the seat in its full rearward position. (S26.2.3)
 - N/A the seat does not have a fore-aft adjustment
- X 2.7 If the seat height is adjustable, put it in the mid-height position. (S26.2.3)
 X N/A No seat height adjustment
- X 2.8 The seat back angle, if adjustable, is set at the manufacturer's nominal design riding position for a 50th percentile adult male in the manner specified by the manufacturer. (S26.2.3and S8.1.3)
 N/A = No seat back angle adjustment

Manufacturer's design seat back angle 15.5
Tested seat back angle 15.9

X 2.9 If adjustable, set the head restraint at the full down and full forward position. (S25.2.3 and

- X 2.9 If adjustable, set the head restraint at the full down and full forward position. (S25.2.3 and S16.3.4.4) Any adjustment of the head restraint shall be used to position it full forward. For example, if it rotates, rotate it such that the head restraint extends as far forward as possible.
 N/A = No head restraint adjustment
- X 2.10 Position a calibrated Part 572 Subpart O 5th percentile female dummy in the driver's seat (\$26.2.4)
- X 2.11 Position the dummy such that its midsagittal plane is coincident with Plane E. (\$26.2.4.1)
- X 2.12 Position the dummy's legs to a vertical orientation and place the back of the legs in contact with the seat cushion. (\$26.2.4.2) THE HEELS HIT THE RAISED FLOOR PAN SO THE LEGS WERE NOT QUITE VERTICAL.
- X 2.13 Position the dummy's thorax instrument cavity rear face 6 degrees forward (toward the front of the vehicle) of the steering wheel angle (i.e., if the steering wheel angle is 25 degrees from vertical, the thorax instrument cavity rear face angle is 31 degrees.) (S26.2.4.3.) THE STEERING WHEEL ANGLE WAS 22.9 DEGREES.
- X 2.14 Set the initial transverse distance between the longitudinal centerlines at the front of the dummy's knees at 160 to 170 mm (6.3 to 6.7 in), with the thighs and legs of the dummy in vertical planes. (\$26.2.4.4) THE SET DISTANCE WAS 165.1 MM.
- \underline{X} 2.15 Position the upper arms parallel to the torso, and place the hands in contact with the thighs. (\$26.2.4.5)
- X 2.16 Move the dummy forward on the seat, maintaining the thorax instrument cavity angle, until the dummy head/forso contacts the steering wheel. (S26.2.5) Adjust the dummy legs the minimum amount necessary to ensure torso/head contact with the steering wheel when the dummy is moved forward. (S26.2.4.2)
 - X Leg adjustments needed

<u>X</u> 2	position of the Chin Po	the dummy to maintain contact pint coincident with Plane F, ac possible. The thorax cavity an	Chin Point coincides with Plane F. Adjust the fit with the steering wheel. If the seat prevents publicate the dummy position to achieve the closestingle should be maintained throughout the adjust	lacing
	•	Chin Point Lies within Plane F.	Height of Chin Pointmm	
	;	Seat interfered with positioning	ı. Height of Chin Pointmm	
2	.18 Using mate	rial with a maximum breaking	strength of 311 N (70 lb) and spacer blocks. Su	pport the
	dummy so	that there is minimum interfere	ence with the full rotational and translational free	edom for
	the upper to	orso of the dummy. The mater	rial should support the torso rather than the hea	id and
		interfere with the airbag (\$26.		
		Photograph final setup and red		
	_		ngle <u>53</u> degrees	
		Chin Point Heigh		
2	10 Decord the		requirements in the chart below.	
	is Necold the	All bag deployment and timing	requirements in the chart below.	
	Number of	stages for this test1		
[Stage No.	Firing Time (msec) *	Recorded Firing Time (msec)	
	1	0.0 msec (Time Zero)		
	2	N/A		
ŀ				

- X 2.20 Connect dummy instrumentation to the test data acquisition system and verify channel operation.
- \overline{X} 2.21 Connect the airbag to the airbag firing system per the manufacturer's instructions, provided by the COTR.
- X_2.22 Prepare the high-speed video/film cameras.
- X 2.23 Fire the airbag per the table above and record the data from the dummy instrumentation.
 X 2.24 Photograph the post-test results
- NA2.25 Verify recorded firing times match specified firing times +/- 2 milliseconds.
- X 2.26 Record injury values for this test.

	FMVSS 208 Maximum	Measured Value
	Allowable Injury	Dummy Serial No.
	Assessment Value	<u>421</u>
HIC ₁₅	7 0 0	25
Chest Acceleration	60 g	12
Chest Displacement	52 mm	4
Peak Nij (Nte)	1.0	0.1
Peak Nij (Ntf)	1.0	0.3
Peak Nij (Noe)	1.0	0.0
Peak Nij (Ncf)	1.0	0.3
Neck Tension (Fz)	2070 N	249
Neck Compression (Fz)	2520 N	225
Left femur	6805	70
Right femur	6805	62

^{*} Firing time is measured from Time Zero for all stages

3.0 Position 2. Chin On Rim. (\$26.3) NOT PERFORMED ON THIS VEHICLE

3.1.	Position the seat's adjustable lumbar supports so that the lumbar support is in its lowest,
	retracted or deflated adjustment position. (\$26.3.1)
	N/A = No lumbar adjustment
3.2	Position any adjustable parts of the seat that provide additional support so that they are in the
_ 3.2.	
	lowest or most open adjustment position. (S26.3.1)
	N/A – No additional support adjustment
3.3.	If the seat cushion adjusts fore and aft, independent of the seat back, set this adjustment to the
	full rearward position. (S26.3.1)
	N/A - No independent fore-aft seat cushion adjustment
3.4	If the seat cushion height adjusts independent of the seat back, set this adjustment to the full
	down position.
	N/A - No independent seat cushion height adjustment.
2.5	
ა.ა	If the seat cushion angle adjusts independent of the seat back, set this adjustment to the mid-
	point angle. (\$26.3.1)
	N/A = No independent seat cushion angle adjustment.
3.6.	Put the seat in its full rearward position. (\$26.3.1)
	N/A - the seat does not have a fore-aft adjustment
3.7	If the seat height is adjustable, put it in the mid-height position. (\$26.3.1)
_	N/A – No seat height adjustment
3.8	The seat back angle, if adjustable, is set at the manufacturer's nominal design riding position for a
	50th percentile adult male in the manner specified by the manufacturer. (\$26.3.1 and \$8.1.3)
	N/A – No seat back angle adjustment
	Manufacturer's design seat back angle
	Tested seat back angle
3.9	If adjustable, set the head restraint at the full down and full forward position. (\$26.3.1 and
	\$16.3.4.4)
	N/A – No head restraint adjustment
3.10	Position a calibrated Part 572 Subpart O 5 th percentile female dummy in the driver's seat
_	(S26.3.4)
3 11	Position the dummy such that its midsagittal plane is coincident with Plane E. (\$26.3.4.1)
	Position the dummy's legs to a vertical orientation and place the back of the legs in contact with
3.12	
0.40	the seat cushion. (\$26.3.4.2)
3.13	Position the dummy's thorax instrument cavity rear face 6 degrees forward (toward the front of
	the vehicle) of the steering wheel angle (i.e., if the steering wheel angle is 25 degrees from
	vertical, the thorax instrument cavity rear face angle is 31 degrees.) (\$26.3.4.3.)
	Steering wheel angle degrees
	Thorax cavity angle degrees
3.14	Set the initial transverse distance between the longitudinal centerlines at the front of the dummy's
_	knees at 160 to 170 mm (6.3 to 6.7 in), with the thighs and legs of the dummy in vertical planes.
	(\$28.3.4.4)
2 10	·
— 3.15	Position the upper arms parallel to the torso, and place the hands in contact with the thighs.
	(\$26.3.4.5)
3.16	Move the dummy forward on the seat, maintaining the thorax instrument cavity angle, until the
	dummy head/torso contacts the steering wheel. (S26.3.5) Adjust the dummy legs the minimum
	amount necessary to ensure torso/head contact with the steering wheel when the dummy is
	moved forward. (\$26.3.4.2)
	Log adjustments needed
	——————————————————————————————————————

_ 3				the Chin Point contacts the		
wheel. Adjust the fore/aft position of the dummy to maintain contact with the steering wheel. If						
	this step is completed,proceed to step 3.20. If the seat prevents placing the Chin Point					
				roceed to 3.18. If the dum	imy contacts th	ne windshield
			d to step 3.19. (S			
		Chin Point co	ntacts upper stee	ring wheel rim.		
	_		• •	Height of Chin Poin	ıt	mm
		Vehicle interfe	ered with position	ing.		
3	3.18 If the steeri	ing controls c	an be adjusted, a	djust the steering controls t	to raise the up	per steering
	wheel rim t	he necessary	amount to bring t	the chin point coincident wi	ith the upper s	teering wheel
	rim. Adjust	the rear thor	ax cavity along w	ith the steering wheel angle	e per step 3.13	3. If contact is
	still not ach	ileved, positio	on the chin point a	s close as possible to the t	upper steering	wheel rim.
	Proceed to	step 3.20. (S	26.3.7)	•		
			•	Steering Wheel Ang	gle	_mm
				Thorax Cavity angle	e	_degree
	Chin Po	int is coincide	ent with the upper	steering wheel rim.		
	_		• •	Height of Chin Poin	ıt	mm
				Height of upper rim		mm
	Сћіп ро	int is not coin	cident with the up	per steering wheel rim.		_
			'	Height of Chin Poin	ıt	mm
				Height of upper rim		_
3	3.19 If the steen	ina controls c	an be adjusted, a	djust the steering controls t		
_				the chin point coincident wi		
				ith the steering wheel angle		
				s close as possible to the u		
				annot be avoided, lowerth		
				he dummy and the windshi		
		0. (S26.3.6 ar				
			,	Steering Wheel Ang	gle	mm
				Thorax Cavity angle		_degree
	Chin Po	int is coincide	ent with the upper	steering wheel rim.		
				Height of Chin Poin	ıt	mm
				Height of upper rim		
	Chin po	int is not coin	cident with the up	per steering wheel rim.		
				Height of Chin Poin	ıt .	mm
				Height of upper rim		_mm
				riolgite of dipporting		
3.20 Using material with a maximum breaking strength of 311 N (70 lb) and spacer blocks. Support the					ks. Support the	
dummy so that there is minimum interference with the full rotational and translational freedom for						
the upper torso of the dummy. The material should support the torso rather than the head and						
should not interfere with the airbag (S26.3.8)						
Photograph final setup and record position.						
	_	· notograpii i		horax Cavity Angle	degree	9
				Chin Point Height	nm	_
			`			
3.21 Record the Airbag deployment and timing requirements in the chart below.						
— `		9 20pio	,			
	Number of	stages for thi	s test.			
	110111001 01	canged for an				
	Stage No.	Firing Time	(msec) *	Recorded Firing Time (m	isec)	7
	1	0.0 msec	(Time Zero)			1
	<u>'</u>	5.0 111000	(. iiiio Zoro)			1
						1
						\dashv

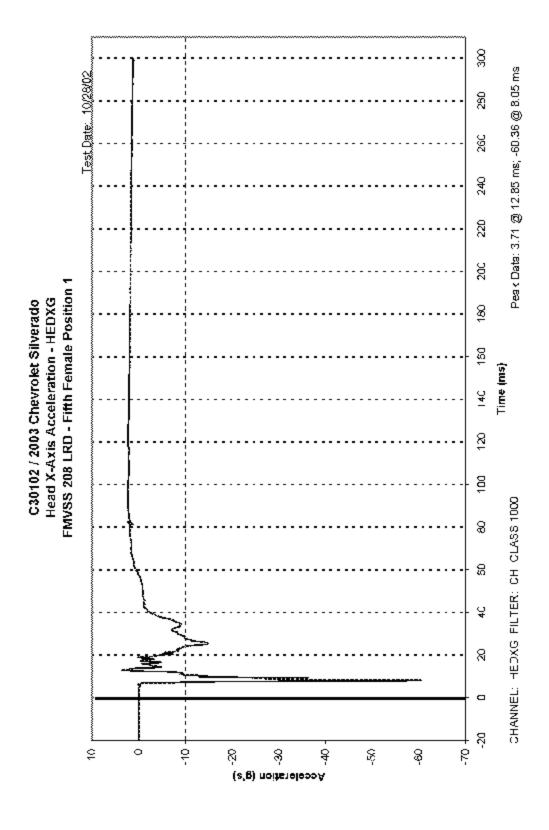
^{*} Firing time is measured from Time Zero for all stages

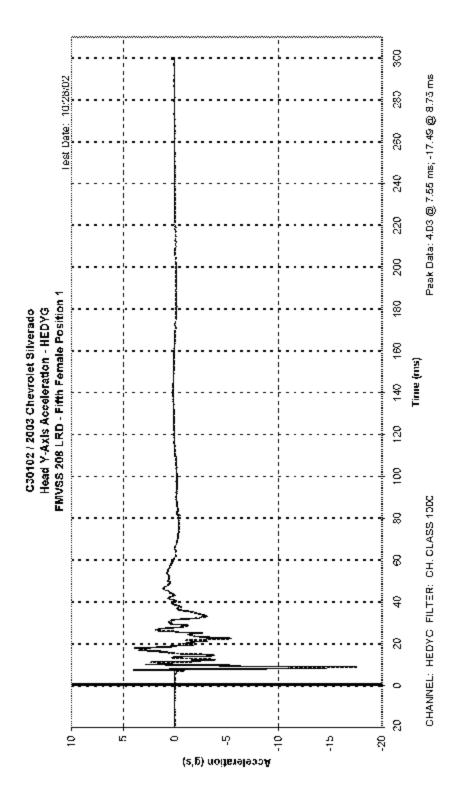
3.22 Connect dummy instrumentation to the test data acquisition sys	
3.23 Connect the airbag to the airbag firing system per the manufact	urer's instructions, provided by the
COTR.	
3.24 Prepare the high-speed video/film cameras.	
3.25 Fire the airbag per the table above and record the data from the	dummy instrumentation.
3.26 Photograph the post-test results	•
3.27 Verify recorded firing times match specified firing times +/- 2 mi	lliseconds.
3.28 Record injury values for this test.	

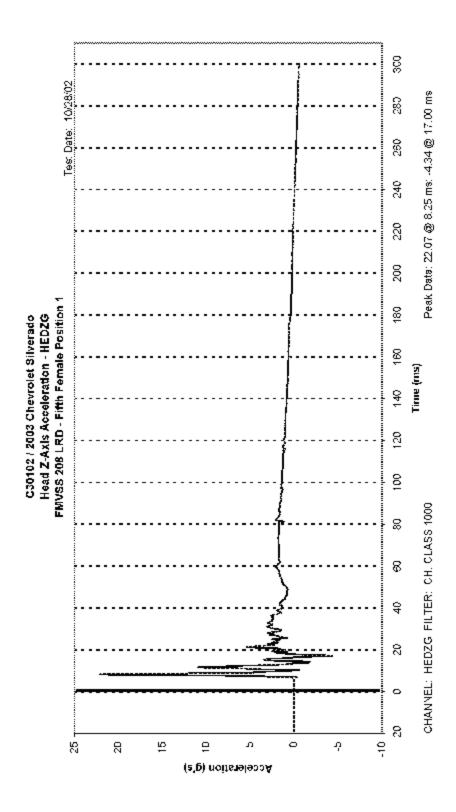
	FMVSS 208 Maximum Allowable Injury Assessment Value	Measured Value Dummy Serial No.
HIC ₁₅	700	
Chest Acceleration	60 g	
Chest Displacement	52 mm	
Peak Nij (Nte)	1.0	
Time (ms)	NA	
Peak Nij (Ntf)	1.0	
Time (ms)	NA	
Peak Nij (Nce)	1.0	
Time (ms)	NA	
Peak Nij (Ncf)	1.0	
Time (ms)	NA	
Neck Tension (Fz)	2070 N	
Neck Compression (Fz)	2520 N	

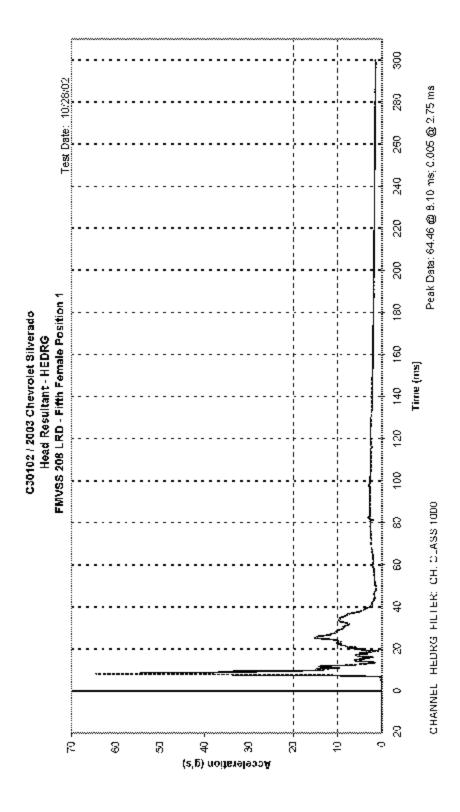
Section 6

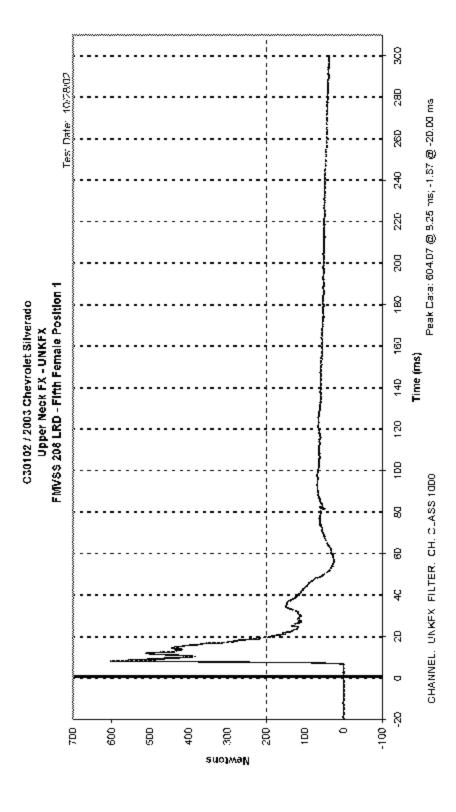
Test Data

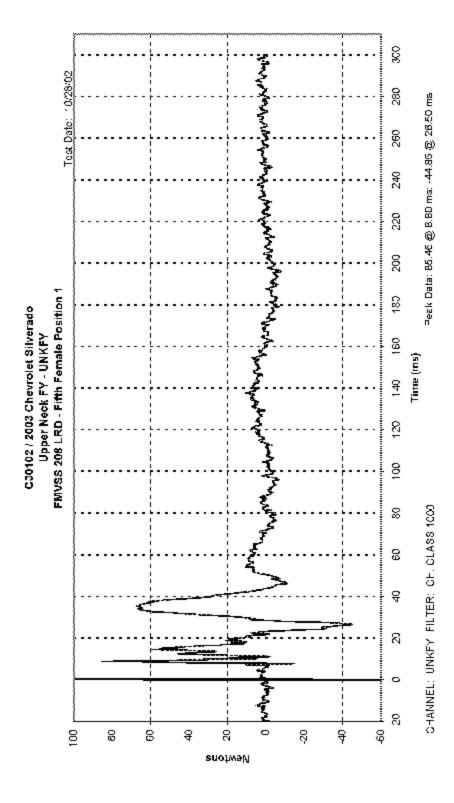


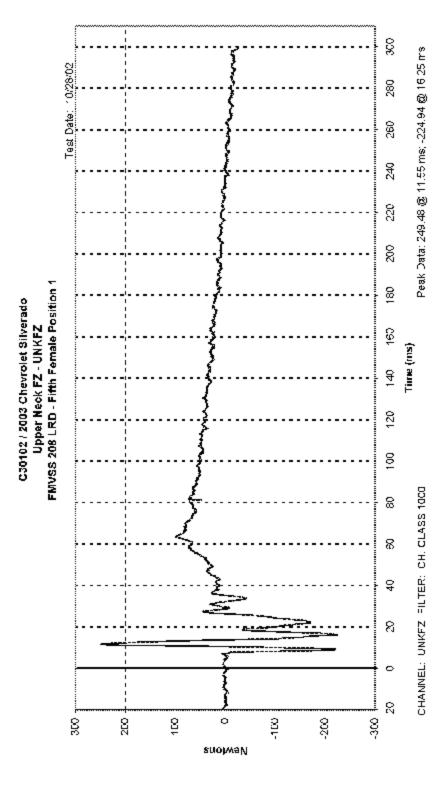


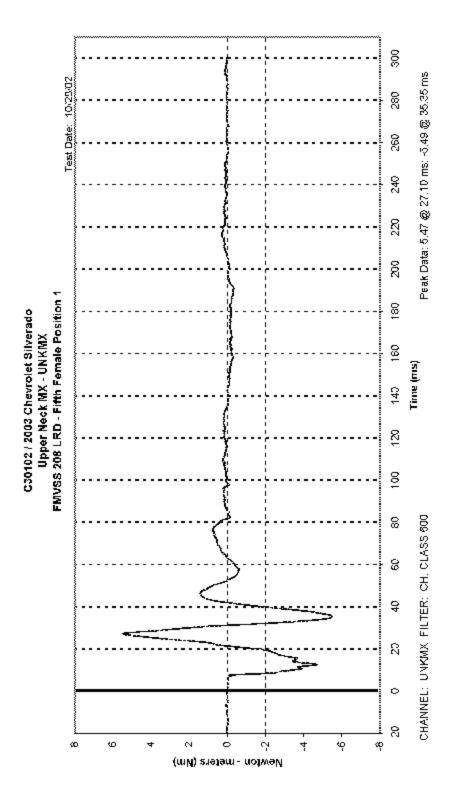


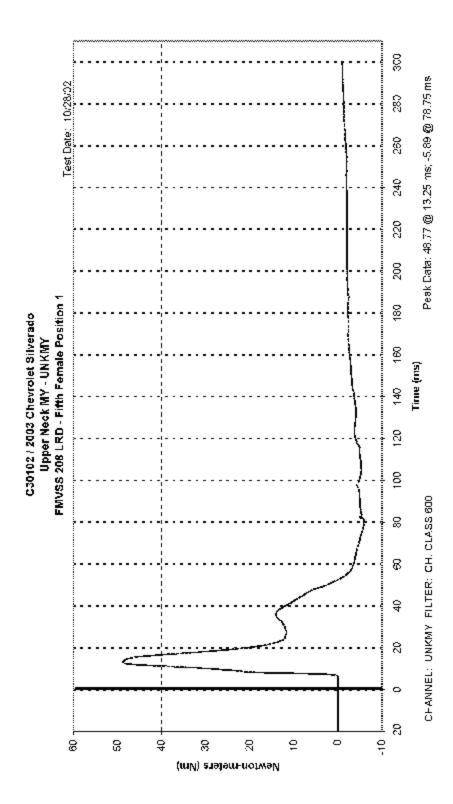


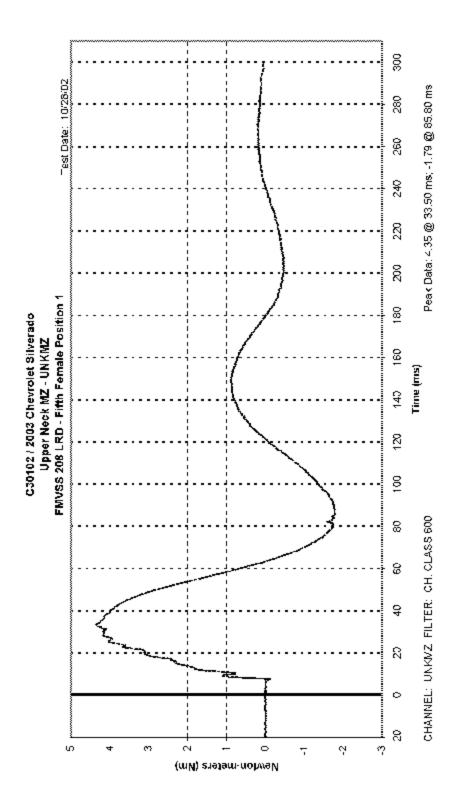


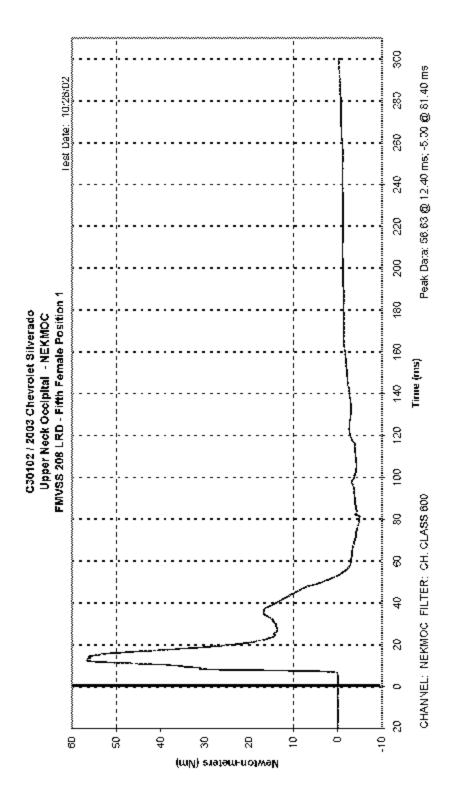


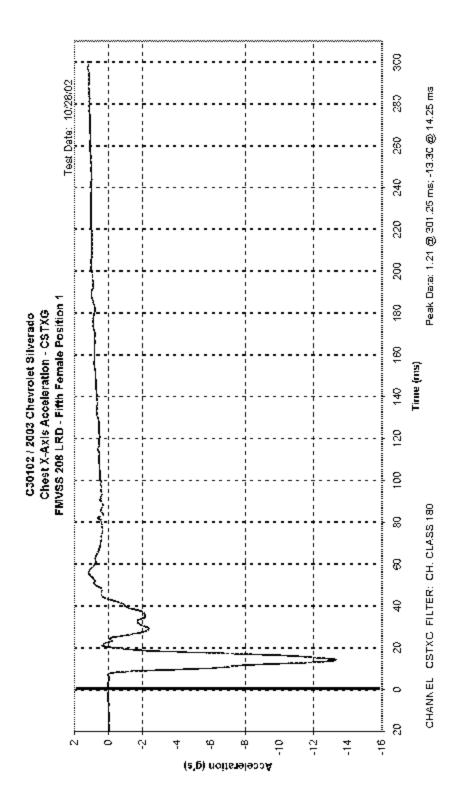


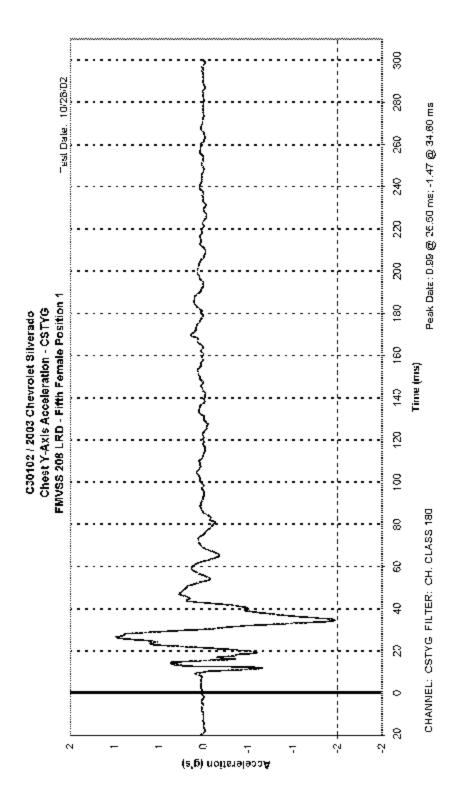


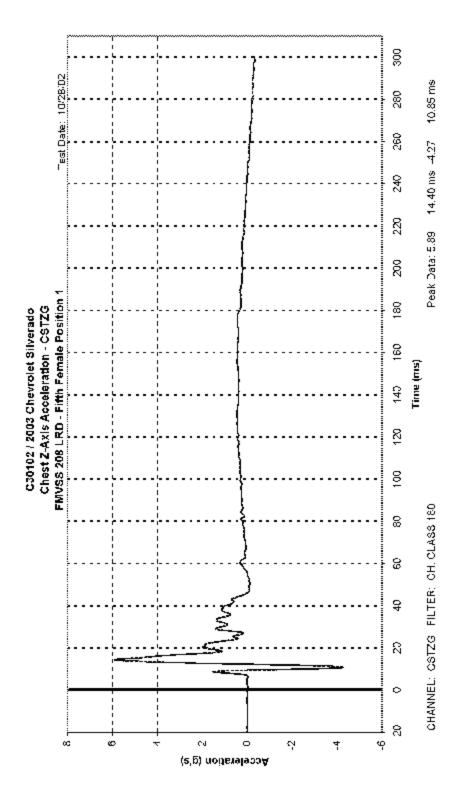


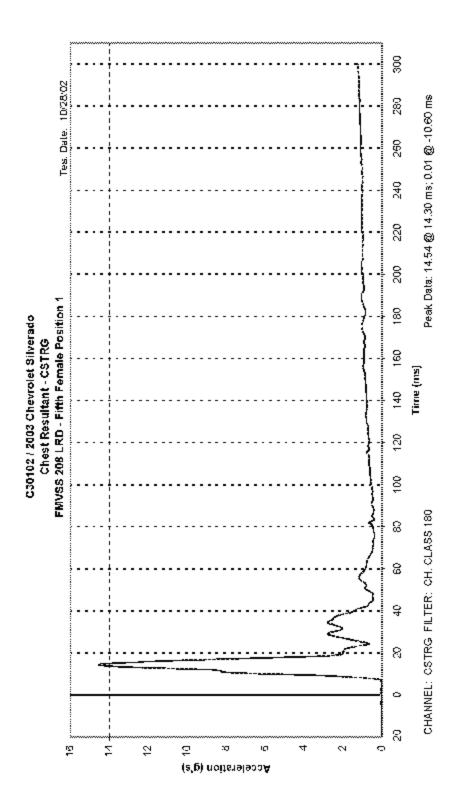


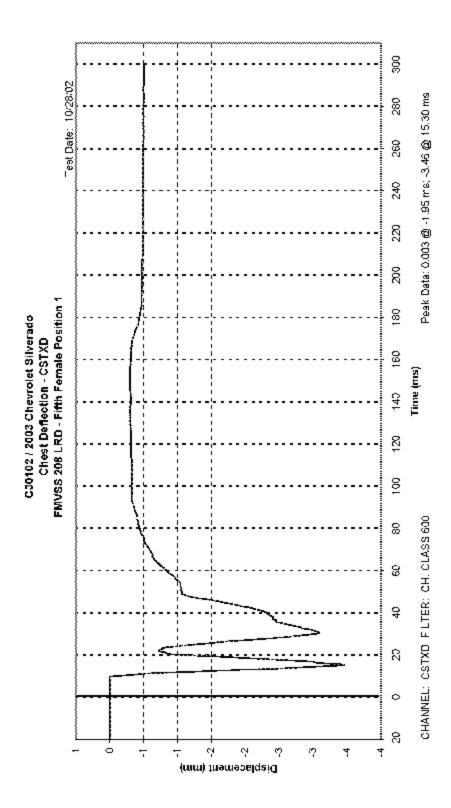


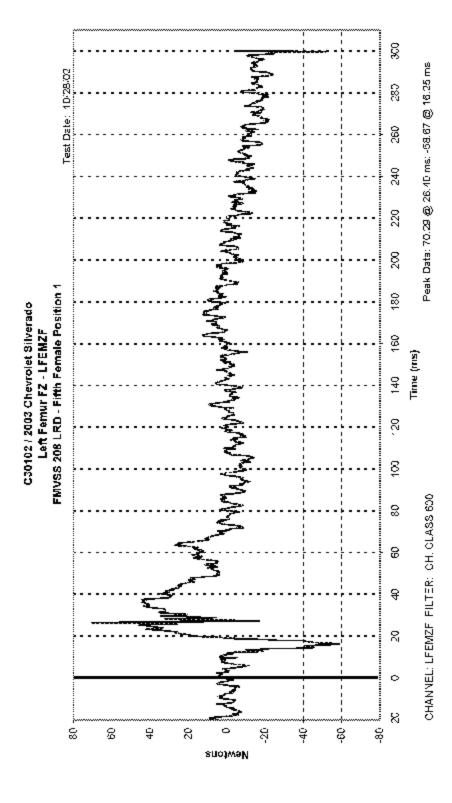


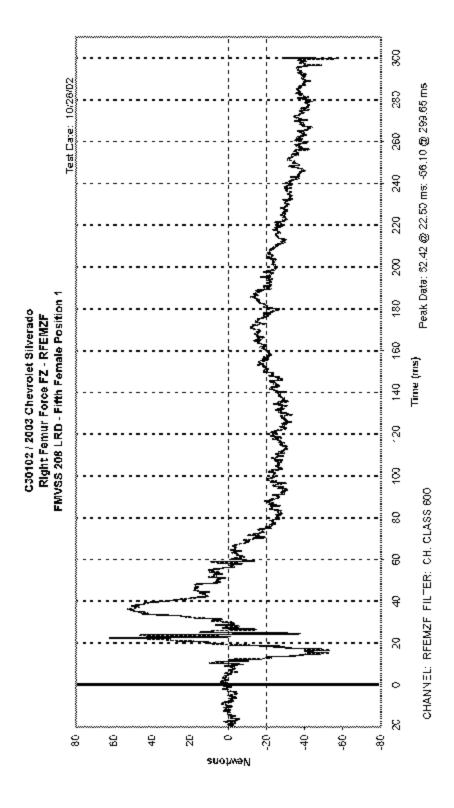












Section 7

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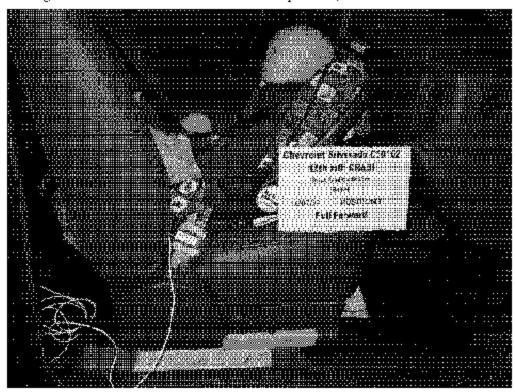


Figure 7-2: Britax Handle with Care, Handle Down, Belted, Full Forward Seat Position

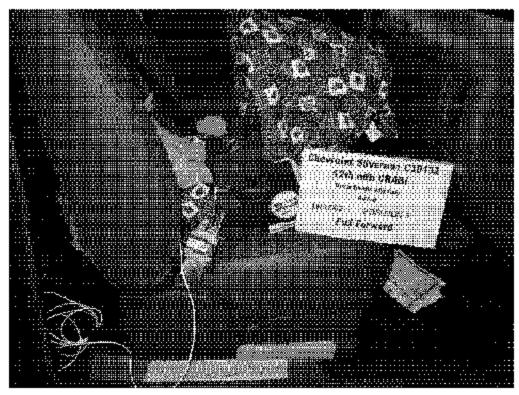


Figure 7-3: Britax Handle with Care, Sun Shield Up, Belted, Full Forward Seat Position

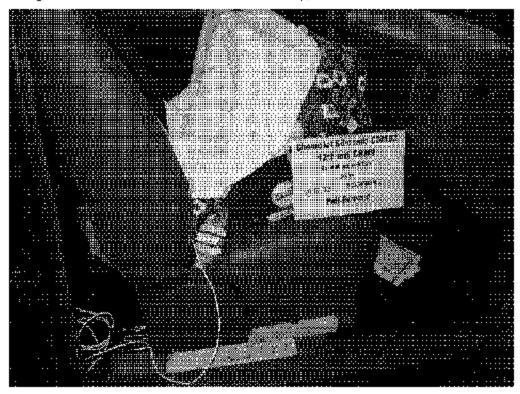


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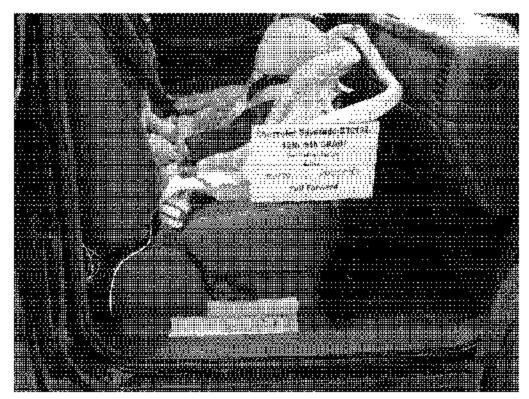


Figure 7-7: Evenflo First Choice, Base Off, Handle Down, Belted, Full Forward as Possible Seat Position

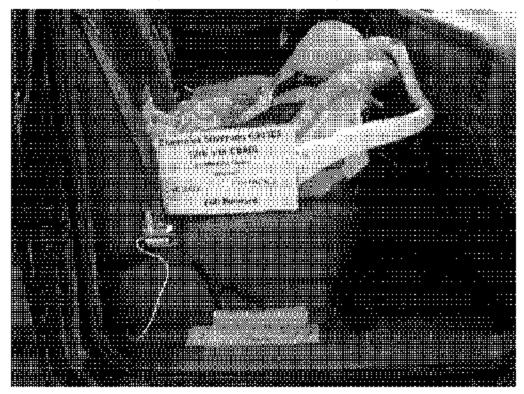


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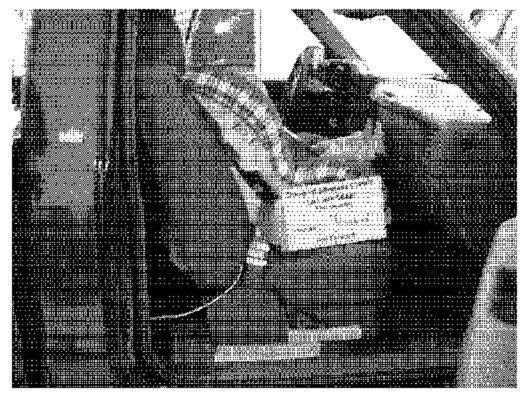


Figure 7-15: Britax Roundabout, Forward Facing, Belted, Full Forward Scat Position

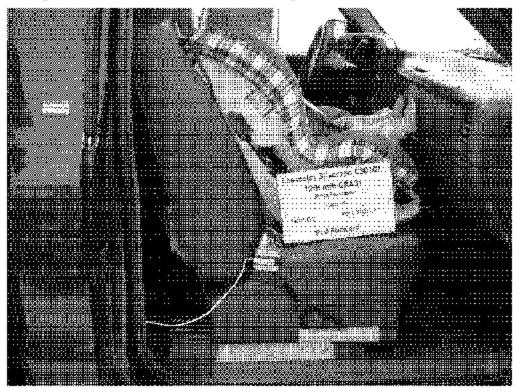


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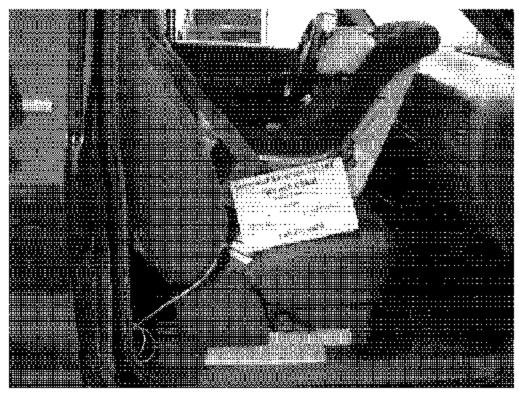


Figure 7-17: Century Encore, Belted, Full Forward as Possible Seat Position

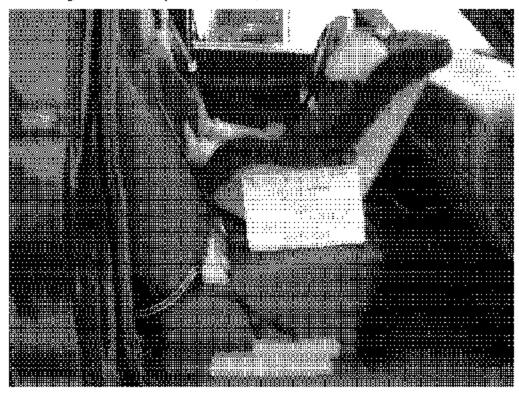


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Figure 7-27: Cosco High Back, Belled, Full Forward Scat Position



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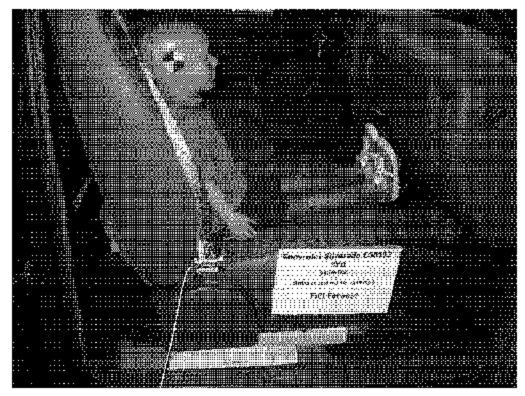


Figure 7-29: 3-Year Old Sitting On Seat With Back Against Seta Back, Full Forward Seat Position

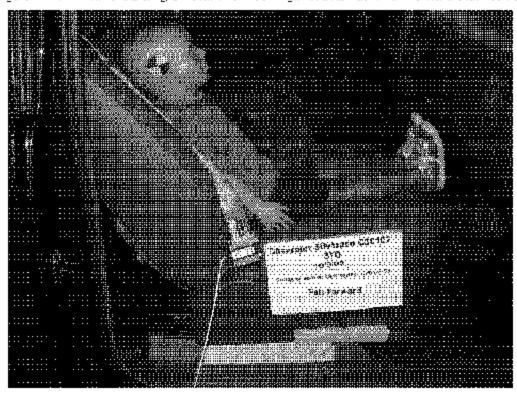


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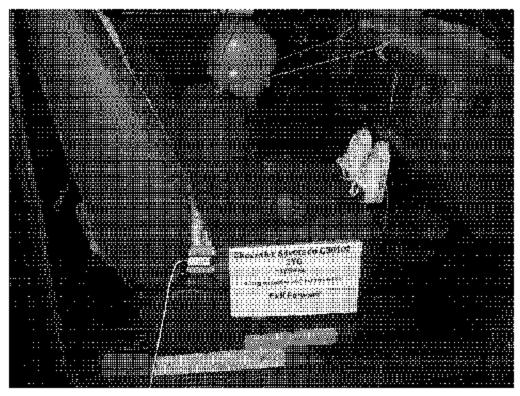


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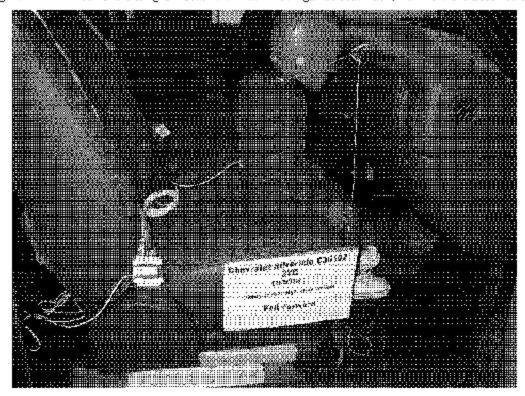


Figure 7-32: 3-Year Old Sitting On Seat Edge, Spine Vertical, Hands By The Child's Side, Seat Position As Full Forward As Possible

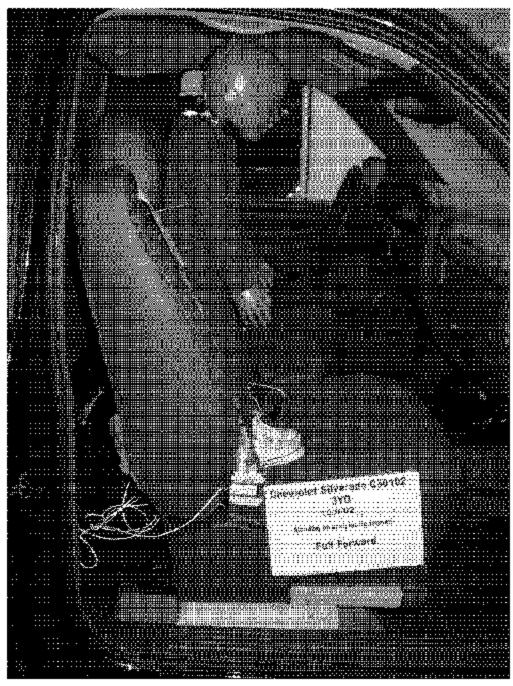


Figure 7-33: Standing On Seat Facing Forward, Full Forward Seat Position

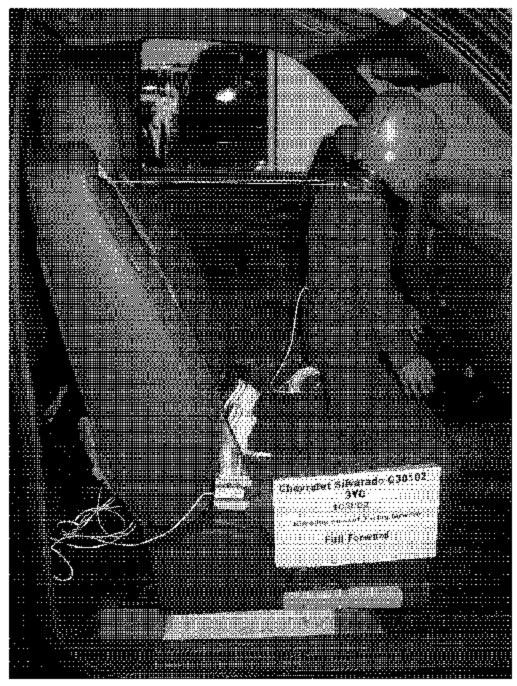


Figure 7-34: Kneeling On Seat Facing Forward, Full Forward Seat Position

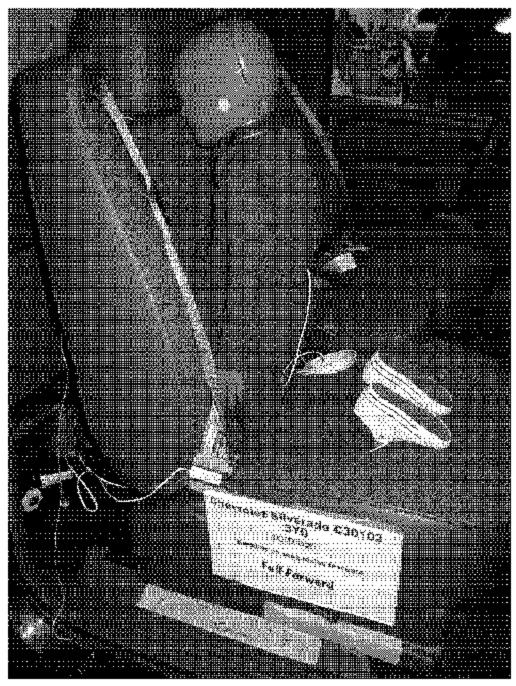


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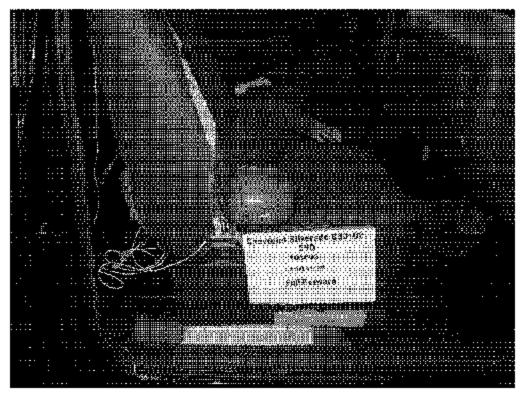


Figure 7-36: 3-Year Old Lying On Seat, Full Forward Seat Position

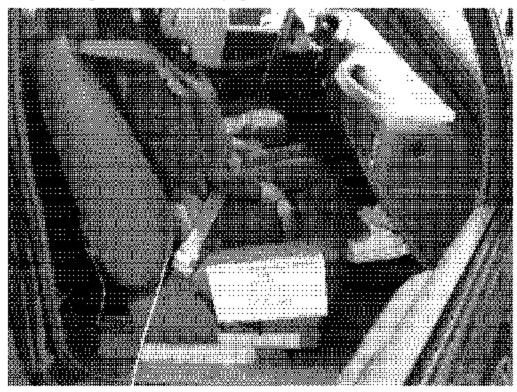


Figure 7-37: 6-Year Old, Century Next Step, Belted, Full Forward Seat Position

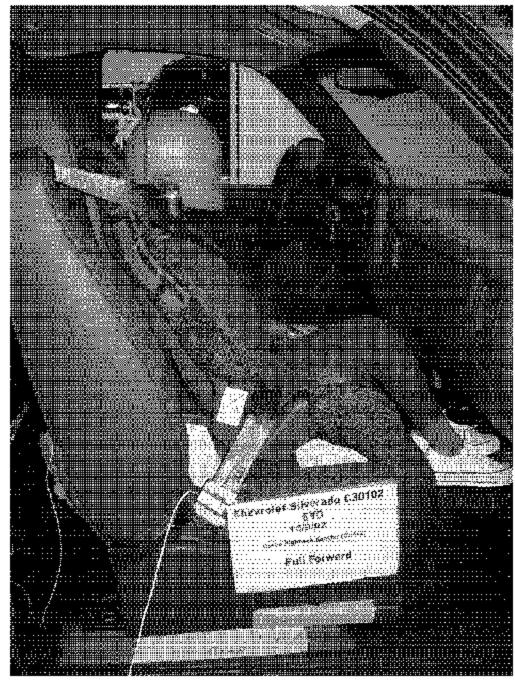


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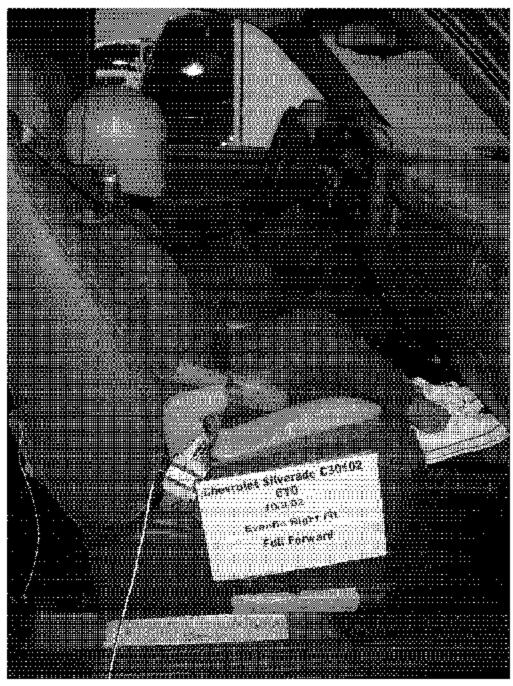


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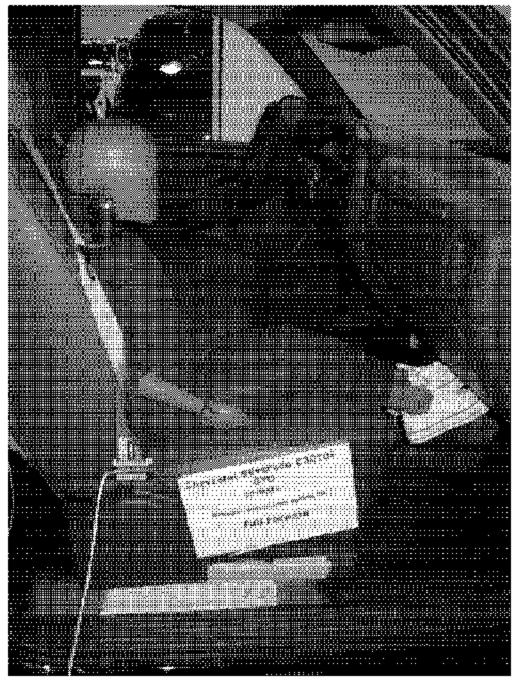


Figure 7-40: 6-Year Old Sitting On Seat With Back Against Seat Back, As Full Forward As Possible Seat Position

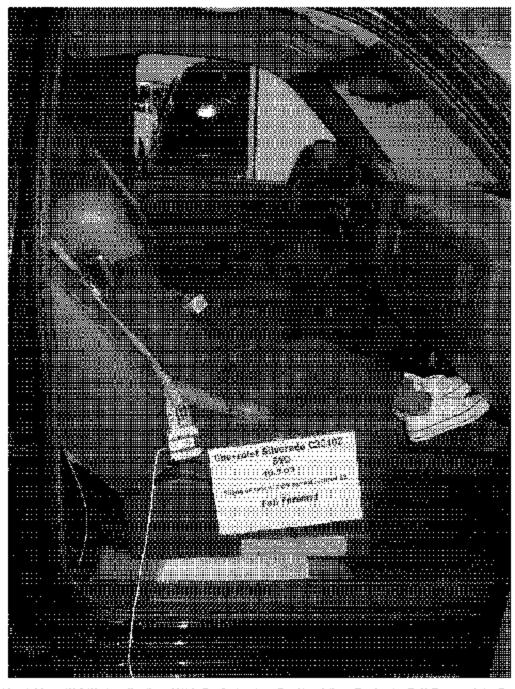


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Figure 7-42: 6-Year Old Sitting On Scat Edge, Spine Vertical, Hands By The Dummy's Side, Full Forward Scat Position

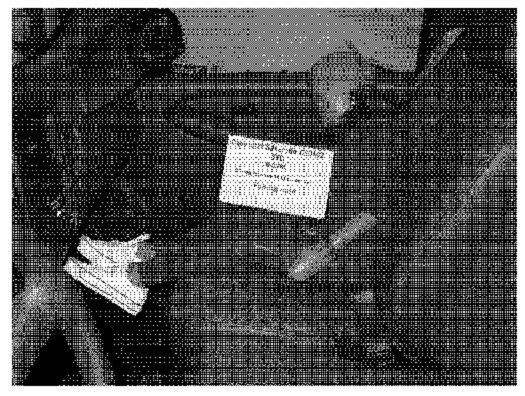


Figure 7-43: 6-Year Old Back In The Seat And Leaning On The Right Front Passenger Door, Full Forward Seat Position



Figure 7-44: 51 Female Reactivation Test

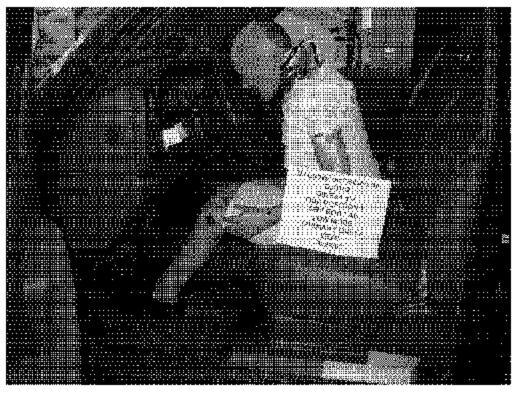


Figure 7-45: Pre-Test Driver Low Risk Deployment, Position One, Chin on Module

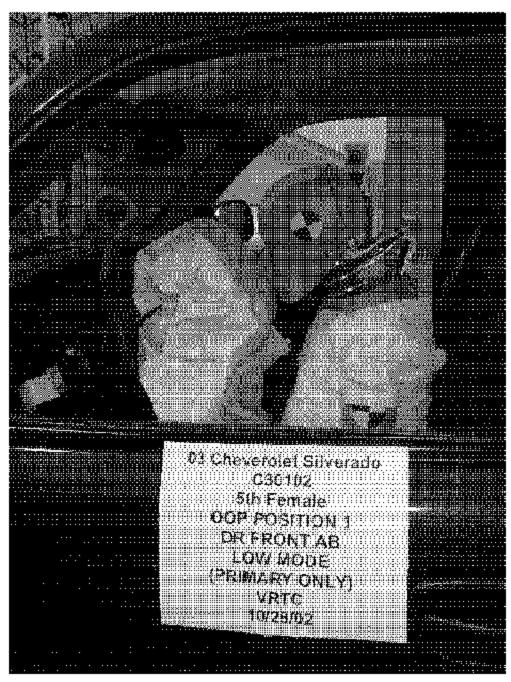


Figure 7-46. Post-Test Driver Low Risk Deployment, Position One, Chin on Module