

REPORT NUMBER: 217-MGA-2007-002

**SAFETY COMPLIANCE TESTING FOR
FMVSS NO. 217
SCHOOL BUS EMERGENCY EXITS AND WINDOW
RETENTION AND RELEASE**

**IC CORPORATION
2007 IC BE 200 SCHOOL BUS
NHTSA NO.: C70901**

**PREPARED BY:
MGA RESEARCH CORPORATION
5000 WARREN ROAD
BURLINGTON, WI 53105**

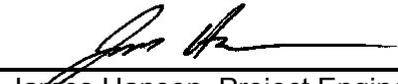


Final Report Date: April 30, 2007

FINAL REPORT

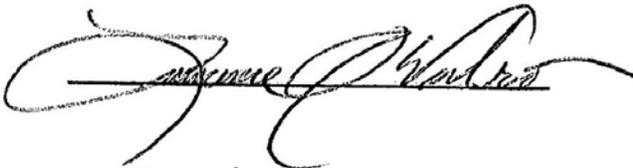
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Prepared by:  Date: April 30, 2007
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FINAL REPORT ACCEPTED BY:


April 30, 2007
Date of Acceptance

Technical Report Documentation Page

| | | | | | |
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SECTION 1
PURPOSE OF COMPLIANCE TEST

Tests were conducted on a MY2007 IC BE 200 School Bus, NHTSA No. C70901, in accordance with the specifications of the Office of Vehicle Safety Compliance (OVSC) Test Procedures TP-217-06 to determine compliance to the requirements of Federal Motor Vehicle Safety Standards (FMVSS) 217, "School Bus Emergency Exits and Window Retention and Release".

This program is sponsored by the National Highway Traffic Safety Administration (NHTSA), under Contract No. DTNH22-02-D-01057.

SECTION 2
TEST DATA SUMMARY

Based on the tests performed, the MY2007 IC BE 200 School Bus, NHTSA No. C70901 appeared to meet the requirements of FMVSS 217. See Data Sheet 1 for Test Summary on the following page.

**DATA SHEET 1
TEST SUMMARY**

GENERAL VEHICLE IDENTIFICATION

| | | |
|--|---|---------------|
| Model Year/Mfr. /Make/Model: | 2007 IC BE 200 | |
| NHTSA No.: | C70901 | |
| GVWR: | 7,938 kg / 17,500 lbs | |
| Build Date for Bus Chassis: | 04/06 | |
| VIN: | 4DRAPAFKO7A407251 | |
| Chassis VIN: | 4DRAPAFKO7A407251 | |
| Seating Capacity: | (1 Driver, 18 Passengers, 1 Wheelchair) | |
| Type of Bus: | School Bus | |
| Tire Pressure from tire placard (at capacity): | Front: 655 kPa | Rear: 655 kPa |
| Odometer Reading: | 1190 Miles | |

| | PASS/FAIL |
|--|-------------------|
| S5.1 WINDOW RETENTION | PASS |
| S5.2 PROVISION OF EMERGENCY EXITS | PASS |
| Meets minimum exit provisions | PASS |
| Meets all other exit requirements | PASS |
| Meets requirements for additional exits | PASS |
| S5.2.3.1.A EMERGENCY EXIT DOOR OPERATIONAL REQUIREMENTS | PASS |
| S5.3 EMERGENCY EXIT RELEASE | PASS |
| Forces to unlatch the emergency exits | PASS |
| Forces to open the emergency exits | PASS |
| S5.4 EMERGENCY EXIT OPENING | PASS |
| S5.5 EMERGENCY EXIT LABELING AND IDENTIFICATION | PASS |
| S5.5 TAPE REFLECTIVITY (49CFR 571.131) | NOT TESTED |

COMMENTS: NONE

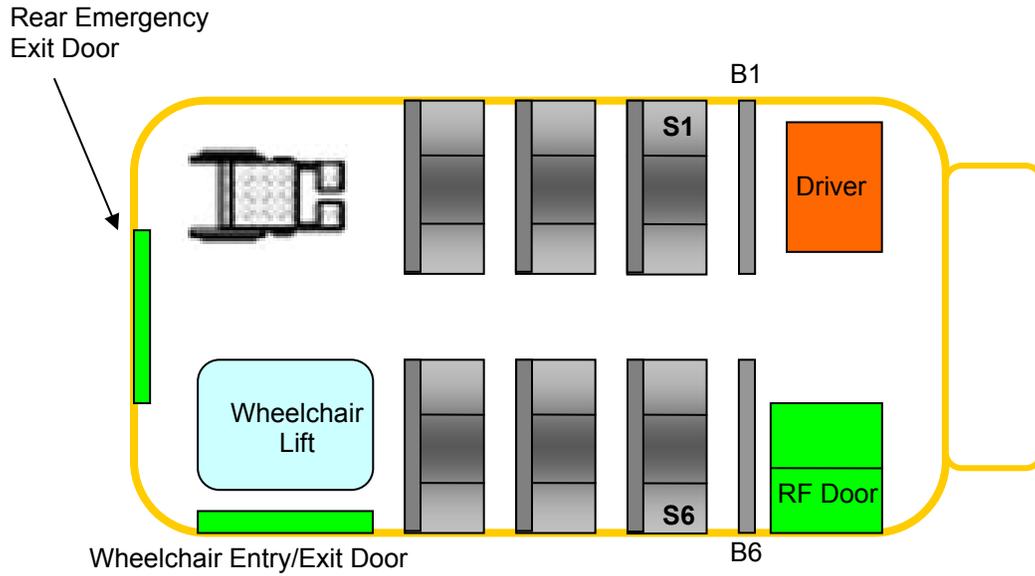
SECTION 3
COMPLIANCE TEST DATA

The following data sheets document the results of testing on the 2007 IC BE 200 School Bus, NHTSA No. C70901.

DATA SHEET 2
PROVISION OF EMERGENCY EXITS

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**



| | | Height (mm) | Width (mm) |
|---|----------------|-------------|------------|
| 1 | Rear Exit Door | 1464 | 915 |

Seating Capacity: 20 (Including Driver and Wheelchair)

| | |
|--|-------------|
| | PASS/FAIL |
| Bus meets minimum emergency exit provision, based upon Table 1 | PASS |

COMMENTS: NONE

DATA SHEET 2 (CONTINUED)
PROVISION OF EMERGENCY EXITS

| | | PASS/FAIL |
|---|---|-----------|
| 1 | Rear Emergency Door – opens outward and is hinged on the right side (either side, if the bus has a GVWR of 10,000 pounds or less) | PASS |
| 2 | Side Emergency Door – hinged on its forward side. No more than one side emergency exit door is located, in whole or in part, within the same post and roof bow panel space. | N/A |
| 3 | Rear Push Out Window – provides a minimum opening clearance 41 cm high and 122 cm wide (16" x 48") | N/A |
| 4 | Roof Exit – is hinged on its forward side, and operable from both the inside and outside the vehicle | N/A |
| 5 | There is an even number of side emergency exit windows on each side of bus. | N/A |
| 6 | The bus is not equipped with both sliding and push-out windows, (except for buses equipped with rear push out emergency exit windows). | N/A |
| 7 | A right side emergency exit door, if any, is located as near as practicable to the midpoint of the passenger compartment. | N/A |

COMMENTS: NONE

Recorded By:  _____

Approved By:  _____

DATE: 03/05/2007

DATA SHEET 3
EMERGENCY EXIT DOOR OPERATIONAL REQUIREMENTS

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**

| | | PASS/FAIL |
|---|--|-----------|
| 1 | The engine starting system does NOT operate if any Emergency Exit is LOCKED | N/A |
| 2 | All Emergency Door and Roof Exits can be released by one person (from inside and outside of bus) | PASS |
| 3 | When the Release Mechanism is NOT in the closed position and the vehicle ignition is in the "ON" position, there is a continuous warning sound audible at the Driver's DSP and in the vicinity of the Emergency Door(s) having the unclosed mechanism. | PASS |
| 4 | Emergency exit release mechanism does not use remote controls or central power systems | PASS |

COMMENTS: NONE

Recorded By:  _____

Approved By:  _____

DATE: 03/05/2007

DATA SHEET 4A

EMERGENCY EXIT IDENTIFICATION AND LABELING

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
 Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
 Test Date: **03/05/2007**

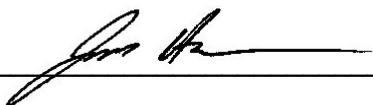
EMERGENCY EXIT LABELING - INTERIOR

| | |
|--------------------|----------------|
| Exit Location | Rear Door |
| Exit Description | Emergency Door |
| Letter Height (cm) | 5.2 |
| Background Color | White |
| Location Inside | Above Door |
| Pass/Fail | PASS |

OPERATING INSTRUCTIONS - INTERIOR

| | |
|----------------------------|--|
| Exit Location | Rear Door |
| Instructions | To Open Lift Up Red Bar Push Out |
| Letter Height (cm) | 1.8 |
| Letter Color | Black |
| Background Color | White |
| Distance From Release (cm) | 7.5 |
| Reflective Tape Color | N/A |
| Reflective Tape Width (cm) | N/A |
| Pass/Fail | PASS |

COMMENTS: NONE

Recorded By: 

Approved By: 

DATE: 03/05/2007

DATA SHEET 4B

EMERGENCY EXIT IDENTIFICATION AND LABELING

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
 Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
 Test Date: **03/05/2007**

EMERGENCY EXIT LABELING - EXTERIOR

| | |
|--------------------|----------------|
| Exit Location | Rear Door |
| Exit Description | Emergency Door |
| Letter Height (cm) | 5.2 |
| Background Color | Yellow |
| Location Outside | Above Door |
| Pass/Fail | PASS |

OPERATING INSTRUCTIONS - EXTERIOR

| | |
|----------------------------|-------------|
| Exit Location | Rear Door |
| Instructions | None |
| Letter Height (cm) | --- |
| Letter Color | --- |
| Background Color | --- |
| Distance From Release (cm) | --- |
| Reflective Tape Color | Yellow |
| Reflective Tape Width (cm) | 2.5 cm |
| Pass/Fail | PASS |

COMMENTS: NONE

Recorded By: 

Approved By: 

DATE: 03/05/2007

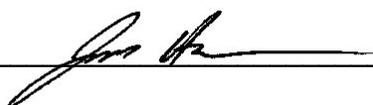
DATA SHEET 4 (CONTINUED)
EMERGENCY EXIT IDENTIFICATION AND LABELING

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
 Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
 Test Date: **03/05/2007**

| | | PASS/FAIL |
|---|---|-------------|
| 1 | Each required Emergency Exit is labeled with the words "Emergency Exit" or "Emergency Door" as appropriate in letters at least 5 cm high (2") of a color that contrasts with its background. | PASS |
| 2 | Emergency Doors – The designation "Emergency Exit" or "Emergency Door" is located at the top of, or directly above the exit door on both inside and outside surfaces of the bus. | PASS |
| 3 | Roof Exits – The designation for roof exits is located on an inside surface of the exit, or within 30 cm (11.8") of the roof exit opening. | N/A |
| 4 | Emergency Window Exits – The designation is located at the top of, or directly above, or at the bottom of the emergency window exit on both the inside and outside surfaces of the bus. | N/A |
| 5 | Exit Operating Instructions indicate all motions required to unlatch and open the exit, in letters at least 1 cm (.39") high and of a color that contrast with its background and shall be located within 15 cm (5.9") of the release mechanism on the inside surface of the bus. | PASS |
| 6 | Each required Emergency Exit opening is outlined around its perimeter with a 2.5 cm (1") wide retroreflective tape of red, white, or yellow color. | PASS |

COMMENTS: NONE

Recorded By: 

Approved By: 

DATE: 03/05/2007

DATA SHEET 5
TAPE RELECTIVITY TEST

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**

- _____ Color of retroreflective tape (white, red, or yellow)
- _____ Glass bead retroreflective element material – Fill in Part A
- _____ Prismatic retroreflective element material – Fill in Part B

SPECIFIC INTENSITY PER UNIT AREA
(Candela Per Foot Candle Per Square Foot)

| Observation Angle | Entrance Angle | Min. Reqd. Intensity | Recorded Intensity | Pass/Fail |
|----------------------------|----------------|----------------------|--------------------|-----------|
| Part A – Glass Bead | | | | |
| | | | | |
| | | | | |
| | | | | |
| Part B - Prismatic | | | | |
| | | | | |
| | | | | |
| | | | | |

This section of tape passes the REFLECTIVITY requirement. Yes___ No___

COMMENTS: NOT TESTED

Recorded By: _____

Approved By: _____

Date:

DATA SHEET 6A

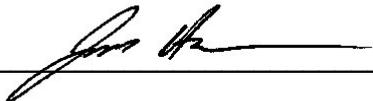
FORCE TESTS TO UNLATCH THE EMERGENCY EXITS - INTERIOR

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
 Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
 Test Date: **03/05/2007**

| Exit Location | Exit Description | High/Low Force Area | Maximum Force Requirement Newtons | Actual Force Measured (N) | Motion(s) required to Release Exit | Actual Motion(s) to Release Exit | PASS/FAIL |
|---------------|------------------|---------------------|-----------------------------------|---------------------------|------------------------------------|----------------------------------|-------------|
| Rear Door | Emergency Door | High | 178 | 1. 40.6 | Straight | Pull Upward | PASS |
| | | | | 2. 38.9 | | | |
| | | | | 3. 40.0 | | | |
| | | | | Average: 39.8 | | | |

COMMENTS: NONE

Recorded By: 

Approved By: 

DATE: 03/05/2007

DATA SHEET 6B

FORCE TESTS TO UNLATCH THE EMERGENCY EXITS - EXTERIOR

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
 Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
 Test Date: **03/05/2007**

| Exit Location | Exit Description | High/Low Force Area | Maximum Force Requirement Newtons | Actual Force Measured (N) | Motion(s) required to Release Exit | Actual Motion(s) to Release Exit | PASS/FAIL |
|---------------|------------------|---------------------|-----------------------------------|---------------------------|------------------------------------|----------------------------------|-------------|
| Rear Door | Emergency Door | High | 178 | 1. 98.8 | Rotary | Turn Handle Counter Clockwise | PASS |
| | | | | 2. 99.6 | | | |
| | | | | 3. 100.4 | | | |
| | | | | Average: 99.6 | | | |

COMMENTS: NONE

Recorded By: 

Approved By: 

DATE: 03/05/2007

DATA SHEET 7A

FORCE TESTS TO OPEN THE EMERGENCY EXITS - INTERIOR

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
 Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
 Test Date: **03/05/2007**

| Exit Location | Exit Description | High/Low Force Area | Maximum Force Requirement Newtons | Actual Force Measured (N) | Motion(s) required to Open Exit | Actual Motion(s) to Open Exit | Passage of Ellipsoid or Parallelepiped | PASS/ FAIL |
|---------------|------------------|---------------------|-----------------------------------|---------------------------|---------------------------------|-------------------------------|--|-------------|
| Rear Door | Emergency Door | High | 178 | 1. 9.8 | Straight | Push Out | 114x61x30 Parallelepiped | PASS |
| | | | | 2. 12.2 | | | | |
| | | | | 3. 11.8 | | | | |
| | | | | Average: 11.3 | | | | |

Describe in the comments section if more than one force and motion are required to unlatch the exit.

COMMENTS: NONE

Recorded By: 

Approved By: 

DATE: 03/05/2007

DATA SHEET 7B

FORCE TESTS TO OPEN THE EMERGENCY EXITS - EXTERIOR

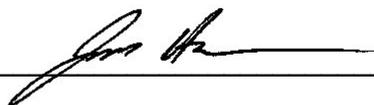
Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
 Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
 Test Date: **03/05/2007**

| Exit Location | Exit Description | High/Low Force Area | Maximum Force Requirement Newtons | Actual Force Measured (N) | Motion(s) required to Open Exit | Actual Motion(s) to Open Exit | Passage of Ellipsoid or Parallelepiped | PASS/ FAIL |
|---------------|------------------|---------------------|-----------------------------------|---------------------------|---------------------------------|-------------------------------|--|-------------|
| Rear Door | Emergency Door | High | 178 | 1. 5.0 | Straight | Pull Out | 114x61x30 Parallelepiped | PASS |
| | | | | 2. 9.3 | | | | |
| | | | | 3. 5.6 | | | | |
| | | | | Average: 6.6 | | | | |

Describe in the comments section if more than one force and motion are required to unlatch the exit.

COMMENTS: NONE

Recorded By: 

Approved By: 

DATE: 03/05/2007

DATA SHEET 8
EMERGENCY EXIT EXTENSION

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**

| | | PASS/FAIL |
|---|---|-----------|
| 1 | Exit(s) can be extended by a single person. | PASS |
| 2 | Each emergency exit door is equipped with a positive door opening device that meets the requirements (outlined in Section S5.4.1 (3) of FMVSS 217). | PASS |
| 3 | There is a 30 cm (11.81") wide clear aisle space for each side emergency door exit. | N/A |
| 4 | For flip-up seat adjacent to the side emergency door exit it automatically assumes and retain a vertical position when not in use, so that no portion of the seat bottom is within the 30 cm (11.81") aisle clearance space | N/A |
| 5 | There is no seat or barrier which extend past the side door opening | N/A |
| 6 | There is no obstruction of door latch mechanism for the rear emergency door. | PASS |

COMMENTS: NONE

Recorded By: 

Approved By: 

DATE: 03/05/2007

DATA SHEET 9
WINDOW RETENTION TEST

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**

| | | | | |
|---|---|---|-------------------------|-------------|
| 1 | Test Window Identification: | Rear Door Upper Glass | | |
| 2 | Provide a detailed description of the window such as fixed, push out, single or double glazed, horizontal or vertical sliding, etc. | Fixed | | |
| 3 | Provide the horizontal and vertical glazing dimensions for each panel. | 718 mm X 582 mm | | |
| 4 | Did the window pass the retention requirements? Describe how the window structure and glazing withstood the force per the PASS/FAIL criteria: | Max Displacement was Reached PASS | | |
| 5 | Did the window pass the force tests to unlatch and open the exit after the completion of the retention test? | Unlatch Force Measured (N) | Open Force Measured (N) | Pass/Fail |
| | | 1. 25.0 | 1. 16.2 | PASS |
| | | 2. 24.2 | 2. 19.4 | PASS |
| | | 3. 24.7 | 3. 17.2 | PASS |

COMMENTS: NONE

Recorded By: 

Approved By: 

DATE: 03/05/2007

DATA SHEET 9 (CONTINUED)

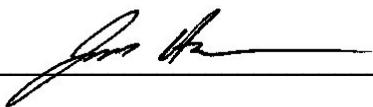
WINDOW RETENTION TEST

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
 Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
 Test Date: **03/05/2007**

| | | | | |
|---|---|---|-------------------------|------------|
| 1 | Test Window Identification: | Left Window 6 - Upper | | |
| 2 | Provide a detailed description of the window such as fixed, push out, single or double glazed, horizontal or vertical sliding, etc. | Vertical Sliding Not Emergency Exit | | |
| 3 | Provide the horizontal and vertical glazing dimensions for each panel. | 718 mm X 582 mm | | |
| 4 | Did the window pass the retention requirements? Describe how the window structure and glazing withstood the force per the PASS/FAIL criteria: | Max Displacement was Reached PASS | | |
| 5 | Did the window pass the force tests to unlatch and open the exit after the completion of the retention test? | Unlatch Force Measured (N) | Open Force Measured (N) | Pass/ Fail |
| | | NA | NA | NA |
| | | NA | NA | NA |
| | | NA | NA | NA |

COMMENTS: NONE

Recorded By: 

Approved By: 

DATE: 03/05/2007

SECTION 4
INSTRUMENTATION AND EQUIPMENT LIST

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Test Lab: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**

| Equipment | Description | Model/Serial No. | Cal. Date | Next Cal. Date |
|----------------------|--------------------|--------------------|-----------|----------------|
| Head Form | MGA | 217 | When Used | When Used |
| A/D Interface | Metrabyte | DAS-1802 | --- | --- |
| Sphere | MGA | Sphere – 1A | When Used | When Used |
| Load Cell | Interface | 1210AF-62736 | 01/29/07 | 07/29/07 |
| Inclinometer | Digital Protractor | Pro 360 / Comp Lab | 10/04/07 | 04/04/07 |
| Linear Potentiometer | Ametek | P40A/0504-21782 | 10/30/06 | 04/30/07 |
| Digital Calipers | Mitutoyo | CD-6" cs/ 0441288 | 09/11/06 | 09/11/07 |
| Steel Tape | Stanley | Powerlock / 278 | 09/26/07 | 07/26/07 |
| Camera | Sony | DSC-S75 | --- | --- |
| Ellipsoid | MGA | ELLIP – 1A | When Used | When Used |
| Parallelepiped | MGA | PARA – 1A | When Used | When Used |
| Force Gauge | Dillon | AFG/DMLC | 09/12/06 | 03/12/07 |

**SECTION 5
PHOTOGRAPHS**

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Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Procedure: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**



Exterior Right Side View of School Bus

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Procedure: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**



Exterior Right Front $\frac{3}{4}$ View of School Bus

Test Vehicle: 2007 IC BE 200 SCHOOL BUS
Procedure: MGA RESEARCH CORPORATION

NHTSA No.: C70901
Test Date: 03/05/2007



Exterior Right Rear $\frac{3}{4}$ View of School Bus

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Procedure: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**

MANUFACTURED BY
IC CORPORATION

DATE OF MANUFACTURE 04 MO. 06 YR.

GVWR 7,938 KGS (17,500 LBS)

GAWR FRONT 3,175 KGS (7,000 LBS) WITH

225/70R19.5F TIRES 12 PLY AT
655 KPa (95 PSI) COLD
RIMS 19.5X6.75 AXLE SINGLE

GAWR REAR 4,762 KGS (10,500 LBS) WITH

225/70R19.5F TIRES 12 PLY AT
655 KPa (95 PSI) COLD
RIMS 19.5X6.75 AXLE DUAL

**THIS VEHICLE CONFORMS TO ALL
APPLICABLE FEDERAL MOTOR
VEHICLE SAFETY STANDARDS IN
EFFECT ON THE DATE OF
MANUFACTURE SHOWN ABOVE.**

VEHICLE IDENTIFICATION NO.
4DRAPAFK07A407251

VEHICLE TYPE
SCHOOL BUS # 407251

ATTENTION DRIVER!
USE CROSS VIEW MIRRORS TO VIEW PEDESTRIANS
WHILE BUS IS STOPPED DO NOT USE THESE
MIRRORS TO VIEW TRAFFIC WHILE BUS IS MOVING.
IMAGES IN SUCH MIRRORS DO NOT ACCURATELY
SHOW ANOTHER VEHICLE'S LOCATION.
THE HAWK-EYE™ CROSS VIEW MIRROR SYSTEM BY
ROSCO INC. JAMAICA, NY 11435 TEL: (718) 526-2601

Test Vehicle: 2007 IC BE 200 SCHOOL BUS
Procedure: MGA RESEARCH CORPORATION

NHTSA No.: C70901
Test Date: 03/05/2007



Interior Front to Rear View Depicting Seating Arrangement

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Procedure: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**



Interior Rear to Front View Depicting Seating Arrangement

Test Vehicle: 2007 IC BE 200 SCHOOL BUS
Procedure: MGA RESEARCH CORPORATION

NHTSA No.: C70901
Test Date: 03/05/2007



Rear Exit Door Identification (Outside View)

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Procedure: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**

EMERGENCY DOOR
DO NOT BLOCK



Rear Exit Door Identification (Inside View)

Test Vehicle: 2007 IC BE 200 SCHOOL BUS
Procedure: MGA RESEARCH CORPORATION

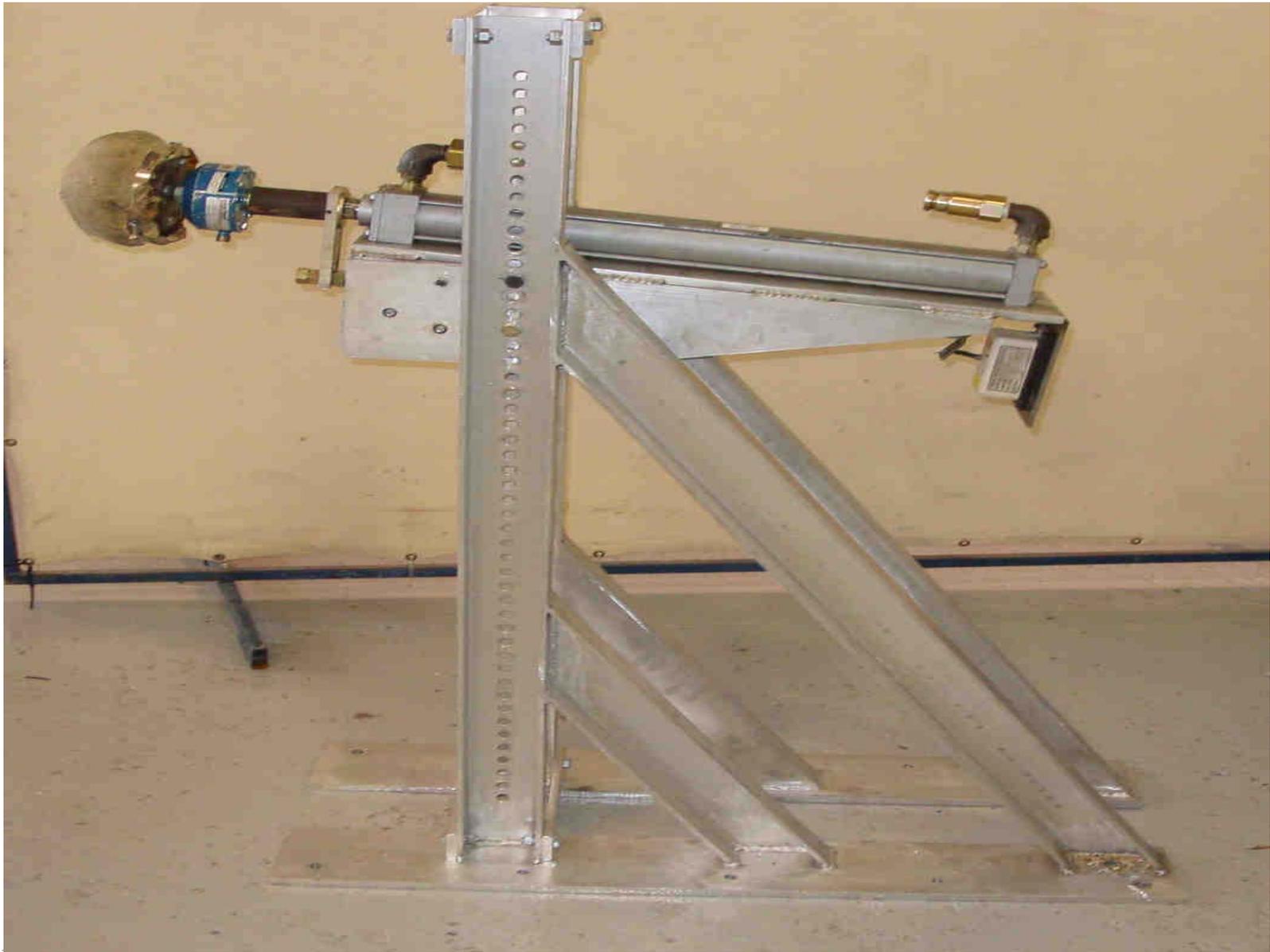
NHTSA No.: C70901
Test Date: 03/05/2007



Rear Door Emergency Exit Parallelepiped Clearance

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Procedure: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**



Loading Fixture

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Procedure: **MGA RESEARCH CORPORATION**

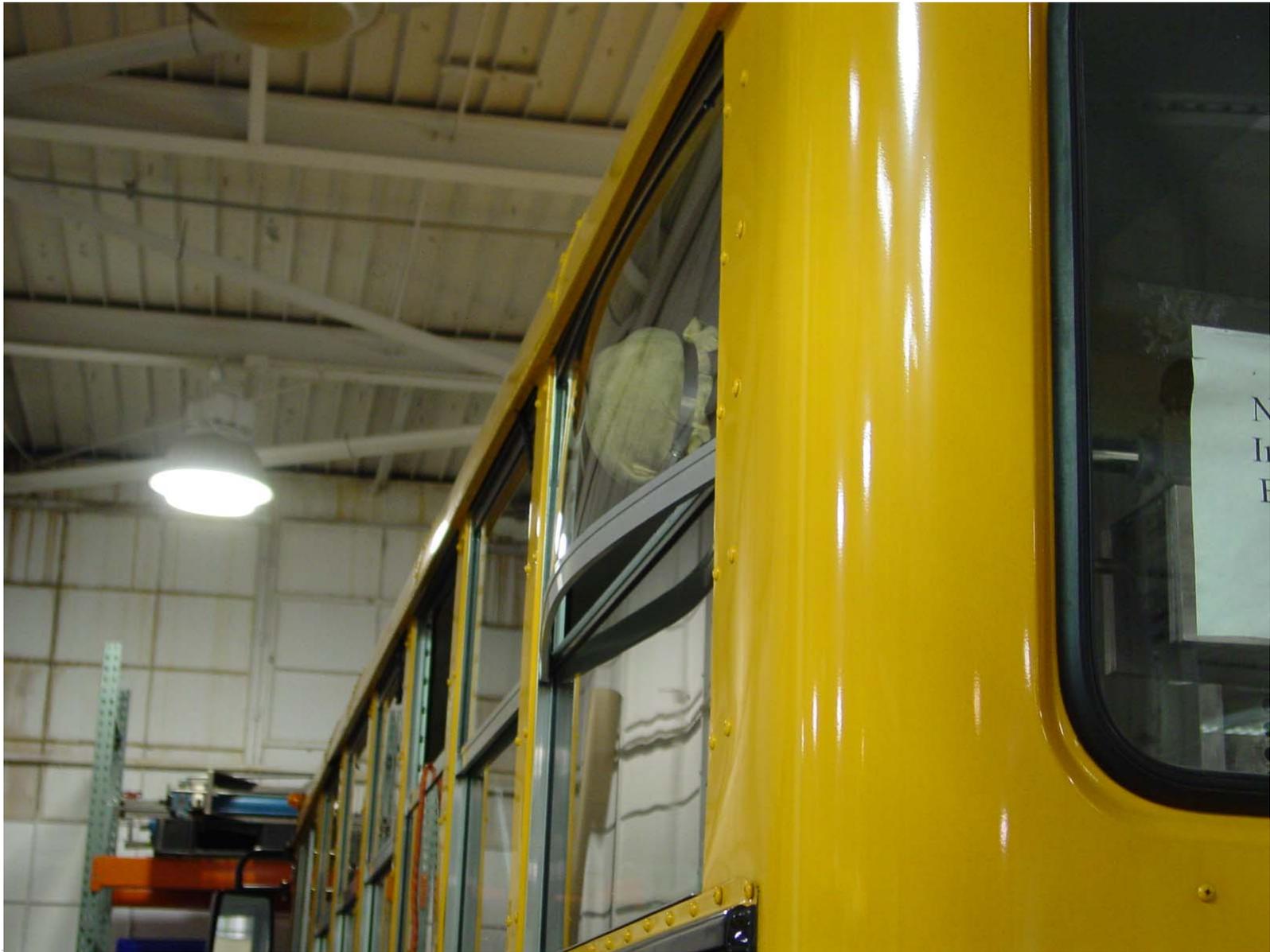
NHTSA No.: **C70901**
Test Date: **03/05/2007**



Retention Test of Left Side Window (Pre-Test)

Test Vehicle: **2007 IC BE 200 SCHOOL BUS**
Procedure: **MGA RESEARCH CORPORATION**

NHTSA No.: **C70901**
Test Date: **03/05/2007**



Retention Test of Left Side Window (Post-Test)

Test Vehicle: 2007 IC BE 200 SCHOOL BUS
Procedure: MGA RESEARCH CORPORATION

NHTSA No.: C70901
Test Date: 03/05/2007



Retention Test of Rear Door Window (Pre-Test)

Test Vehicle: 2007 IC BE 200 SCHOOL BUS
Procedure: MGA RESEARCH CORPORATION

NHTSA No.: C70901
Test Date: 03/05/2007



Retention Test of Rear Door Window (Post-Test)

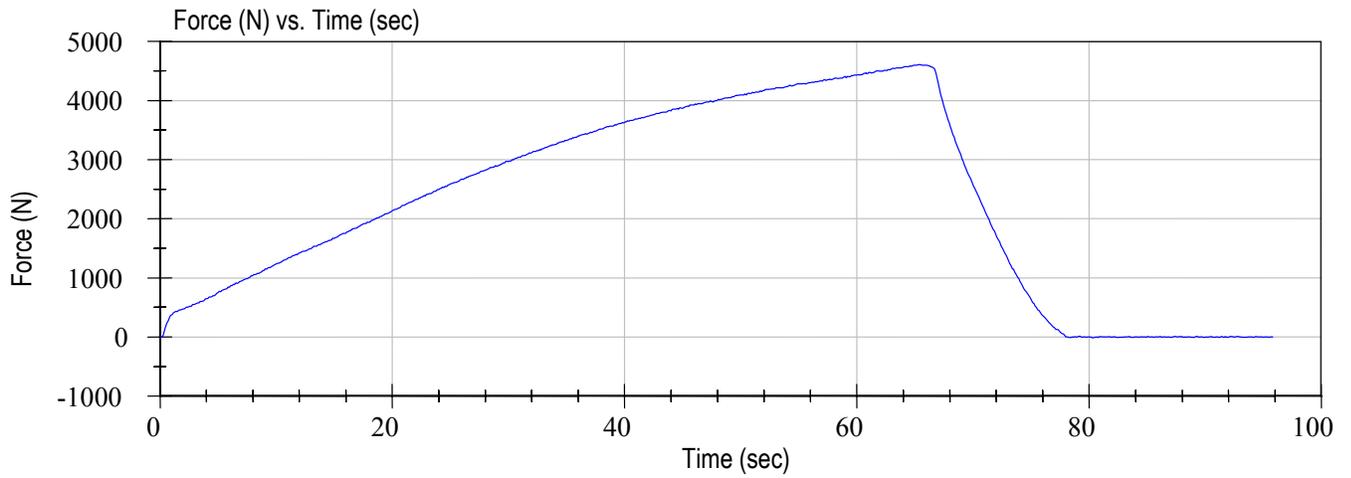
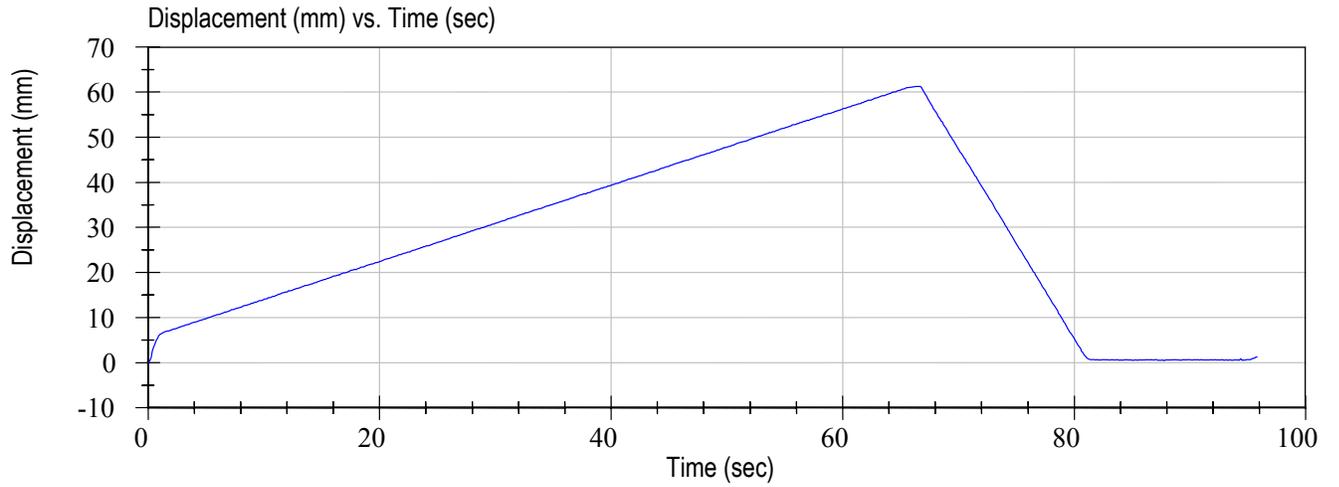
SECTION 6
TEST PLOTS

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| 2 | Left Rear Window | 37 |



Test Desc: FMVSS 217 Window Retention
Component ID: IC Corp
Rear Emergency Door

Test Date: 03/05/2007
NHTSA No: C70901





Test Desc: FMVSS 217 Window Retention
Component ID: IC Corp
Left Rear Window

Test Date: 03/05/2007
NHTSA No: C70901

