REPORT NUMBER: 120-MGA-2009-002

SAFETY COMPLIANCE TESTING FOR FMVSS NO. 120 TIRE SELECTION AND RIMS FOR MOTOR VEHICLES WITH A GVWR OF MORE THAN 4,536 KG

COLLINS BUS CORPORATION
2008 COLLINS GRAND BANTAM SCHOOL BUS
NHTSA NO.: C80900

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

FINAL REPORT DATE: JULY 17, 2009

FINAL REPORT

PREPARED FOR:
U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
MAIL CODE: NVS-220
1200 NEW JERSEY AVENUE, S.E.
WASHINGTON, D.C. 20590

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Prepared by: _____ Date: July 17, 2009
Eric Peschman, Project Engineer

Reviewed by: _____ Date: July 17, 2009
Michael Janovicz, Program Manager

FINAL REPORT ACCEPTED BY:

_____
July 17, 2009
Date of Acceptance

Technical Report Documentation Page

1. Report No. 120-MGA-2009-002	*2. Government Accession No.*	*3. Recipient's Catalog No.*	
4. Title and Subtitle Final Report of FMVSS 120 Compliance Testing of a 2008 Collins Grand Bantam School Bus NHTSA No.: C80900		*5. Report Date* July 17, 2009 *6. Performing Organization Code* MGA	
7. Author(s) Eric Peschman, Project Engineer Michael Janovicz, Program Manager		*8. Performing Organization Report No.* 120-MGA-2009-002	
9. Performing Organization Name and Address MGA Research Corporation 5000 Warren Road Burlington, WI 53105		*10. Work Unit No.* *11. Contract or Grant No.* DTNH22-08-D-00075	
12. Sponsoring Agency Name and Address U.S. Department of Transportation National Highway Traffic Safety Administration Enforcement Office of Vehicle Safety Compliance Mail Code: NVS-220 1200 New Jersey Avenue, S.E. Washington, D.C. 20590		*13. Type of Report and Period Covered* Final Report 2/9/09 – 7/17/09 *14. Sponsoring Agency Code* NVS-220	
15. Supplementary Notes			
16. Abstract A compliance test was conducted on the subject 2008 Collins Grand Bantam School Bus, NHTSA No.: C80900, in accordance with FMVSS 120, “Tire selection and rims for motor vehicles with a GVWR of more than 4,536 kilograms,” and TP-120-03. The vehicle was weighed in the unloaded and fully loaded conditions and its tires, rims, and related information were checked. Test failures: None			
17. Key Words Compliance Testing Safety Engineering FMVSS 120		*18. Distribution Statement* Copies of this report are available from: NHTSA Technical Information Services (NPO-411) 1200 New Jersey Ave., S.E. Washington, DC 20590 Email: tis@nhtsa.dot.gov FAX: 202-493-2833	
19. Security Classif. (of this report) Unclassified	*20. Security Classif. (of this page) U*nclassified	*21. No. of Pages* 29	22. Price

Form DOT F1700.7 (8-72)

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SECTION 1
PURPOSE OF COMPLIANCE TEST

The purpose of this test report is to document the results of tests performed on a MY 2008 Collins Grand Bantam School Bus, NHTSA No.: C80900, in accordance with the requirements stated in Federal Motor Vehicle Safety Standard (FMVSS) No. 120, “Tire selection and rims for motor vehicles with a GVWR of more than 4,536 kilograms.”

This standard establishes requirements to ensure that applicable vehicles are equipped with tires of adequate size and load rating and rims of appropriate size and type designation.

SECTION 2
TEST PROCEDURE AND DISCUSSION OF RESULTS

Testing of the 2008 Collins Grand Bantam School Bus, NHTSA No.: C80900, was conducted at MGA Research Corporation in accordance with NHTSA TP-120-03, dated April 10, 2000 and MGA-TP-120-03 dated November 20, 2002. The vehicle mounted tires and rims were surveyed to ensure that the rims were suitable for the tires and that the tires inflated to the maximum inflation pressure stated on the tire sidewall were appropriate for the vehicle's certified Gross Axle Weight Ratings (GAWR). The vehicle certification and tire information labeling was surveyed to ensure that the vehicle manufacturer's recommended rims were suitable for the recommended tires, and that the recommended tires inflated to the recommended inflation pressures stated on the labeling were appropriate for the vehicle's certified GAWRs. The vehicle was ballasted and weighed in three different loading conditions to determine if axle or tire overloading could occur. The three loading conditions were:

Condition 1 – Unloaded Vehicle Weight (UVW).
Condition 2 – Vehicle in Condition 1 state plus the addition of ballast to simulate twenty-three passengers (one adult driver and twenty-two students).
Condition 3 – Vehicle in Condition 2 state plus the addition of ballast to simulate cargo loading. Target vehicle load is the vehicle loaded to the vehicle capacity weight stated on the vehicle placard without exceeding the certified gross vehicle weight rating (GVWR).

The vehicle mounted tires inflated to the inflation pressure labeled on the tire sidewall and the vehicle labeled tires inflated to the recommended cold inflation pressures have load ratings appropriate to carry the maximum loads as required by FMVSS No. 120. The vehicle rims are suitable for the vehicle tires and contain the required markings.

SECTION 2…continued

TEST PROCEDURE AND DISCUSSION OF RESULTS

Model Year/Mfr. /Make/Model:	2008 Collins Grand Bantam	
Incomplete Vehicle Make/Model:	General Motors Corporation	
NHTSA No.:	C80900	
GVWR:	5,579 KG / 12,300 lbs	
Build Date for Bus:	06/2008	
VIN:	1GDJG31K981197124	
Designated Seating Capacity:	(1 Driver, 22 Passengers)	
Vehicle Type:	School Bus	
Tire Pressure from certification label (at capacity):	Front: 448 KPa	Rear: 448 KPa
Odometer Reading:	2295 Miles	
Dealer Installed Optional Accessories	None Noted	

SUMMARY

Requirements	Pass/Fail
TIRE AND RIM SELECTION (S5.1) Installed tires and rims are suitable for vehicle	**Pass**
Rim Marking (S5.2) Rims contain all required markings of proper dimensions	**Pass**
LABEL INFORMATION (S5.3) Vehicle has proper certification/tire information label. Label tires at recommended inflation pressure and rims are suitable for vehicle.	**Pass**
Weight Distribution (49 CFR 567 Certification) Vehicle loaded with occupants and cargo does not exceed GVWR	**Pass**
Results: Test data indicates compliance with FMVSS 120	**Pass**

SECTION 3

COMPLIANCE TEST DATA

DATA SHEET 1

GENERAL TIRE AND RIM DATA

Test Vehicle: **2008 COLLINS GRAND BANTAM SCHOOL BUS** NHTSA No.: **C80900**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **2/9/2009**

GENERAL DATA

Tire Type: (Passenger car or other)	Truck/Bus
Are the tire and rim sizes the same for all axles, including the spare?	Yes – No Spare
Does the tire size fitted to the axles appear on the Certification or Tire label? (If NO, describe)	Yes
Number of axles	2
Dual tires on rear axle(s)	Yes

TIRE DATA FROM SIDEWALL

	Right Front
Manufacturer	Uniroyal
Brand	Laredo
Tire Size	LT225/75R16
Maximum Tire Load Rating (KG)	Single: 1215 kg Dual: 1120 kg
De-rated Tire Load Rating (KG)	N/A
Maximum Inflation Pressure (KPa)	550
Tire has DOT symbol (Yes/No)	Yes
DOT serial number	DOT M31LJD3U0808

MOUNTED TIRE VS. AXLE RATING COMPARISON
(AT SIDEWALL MAXIMUM INFLATION PRESSURE)

	Front Axle	Rear Axle
A. GAWR (KG) from certification label	1,950	3,901
B. (No. of tires) x (tire load rating (KG) from above table)	2,430	4,480
C. Is “B” equal to or greater than “A”? (Yes/No)	Yes	Yes

DATA SHEET 1…continued

GENERAL TIRE AND RIM DATA

Test Vehicle: **2008 COLLINS GRAND BANTAM SCHOOL BUS** NHTSA No.: **C80900**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **2/9/2009**

RIM MARKINGS

	Right Front
A. Source of published dimensions (letter designation)	T
B. Rim Size	16 x 6.5J
C. Does rim contain DOT symbol? (Yes/No)	Yes
D. Manufacturer's name, symbol or trademark (copy format)	Accuride
E. Date of manufacture or symbol	02 05 08
Do items A-C appear on weather side of rim? (Yes/No)	Yes
Letter height (not less than 3mm)	4 mm
Lettering (impressed or embossed)	Impressed
Are all rim markings legible? (Yes/No)	Yes
Do all markings comply with requirements? (Yes/No)	Yes
Rims are suitable for tires on vehicles? (Yes/No)	Yes

RIM MEASUREMENTS

	Right Front
Rim width	165 mm
Rim diameter	406 mm
Rim measurements same as rim markings? (Yes/No)	Yes

Requirements	Pass/Fail
TIRE AND RIM SELECTION (S5.1) Installed tires and rims are suitable for vehicle	**Pass**
Rim Marking (S5.2) Rims contain all required markings of proper dimensions	**Pass**

Remarks: None

Tested By: Brian Roach Approved By: Michael Janosz

Date: February 9, 2009

DATA SHEET 2

CERTIFICATION AND TIRE LABEL INFORMATION

Test Vehicle: **2008 COLLINS GRAND BANTAM SCHOOL BUS** NHTSA No.: **C80900**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **2/9/2009**

LABEL INFORMATION

Label Design (Combined Certification and Tire Label):	No
Label Design (Separate Tire Information Label):	Yes
Label in English? (Yes/No)	Yes
Block capital letter and numbers are not less than 2.4 mm in height (yes/no):	Yes
Label is permanently affixed; describe method of affixing (rivets, glue, etc.)	Yes/ Glue
Does label text color contrast with background? (yes/no)	Yes
Location of Label(s) on the vehicle:	Above Windshield on the Driver's Side

TIRE AND RIM DATA FROM LABEL (FOR EACH GAWR/GVWR)

GVWR: **5,579** KG	Front Axle	Rear Axle
Tire Size	LT225/75R16	LT225/75R16
Rim Size	16 x 6.5J	16 x 6.5J
Recommended inflation pressure (KPa)	448	448
Are labeled rims suitable for labeled tires (Yes/No)[1]	Yes	Yes
Referenced load rating at label recommended inflation pressure (KG)[1]	1060	975

[1] Referenced source for tire/rim match and load rating data: 2008 Year Book Tire & Rim Assoc.

CERTIFICATION/TIRE LABEL MAXIMUM CAPACITY COMPARISON

GVWR: **5,579** KG	Front axle	Rear Axle
A.GAWR (KG) FROM CERTIFICATION LABEL	(C) 1,950	(D) 3,901
B.(No. of tires) x (Tire load rating (KG))	2,120	3,900
Is "B" equal or greater than "A"? (Yes/No)	Yes	Yes
Is (C) plus (D) equal to or greater than GVWR? (Yes/No)	Yes	

Requirements	Pass/Fail
LABEL INFORMATION (S5.3) Vehicle has proper certification/tire information label. Label tires at recommended inflation pressure and rims are suitable for vehicle.	**Pass**

Tested By: Brian Roach Approved By: Michael Jones

Date: February 9, 2009

DATA SHEET 3

WEIGHT DISTRIBUTION

Test Vehicle: **2008 COLLINS GRAND BANTAM SCHOOL BUS** NHTSA No.: **C80900**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **2/9/2009**

FLUID LEVELS	
Fuel:	FULL
Coolant:	FULL
Other Fluids: Washer fluid, brake fluid, etc.	FULL

TIRE PRESSURES				
Tire	Left Front	Right Front	Left Rear	Right Rear
Tire Pressure (KPa)	448	448	448	448

OCCUPANT AND CARGO LOADS	
Vehicle Capacity Weight (VCW) from Vehicle Placard (kg) (combined weight of occupants and cargo)	1369
Total Occupant Load (KG): [# of designated seating positions x 68 KG per adult or 54 KG per student]	1,256 (1-driver, 22-students)
Manufacturer's Rated Cargo Load (KG): [vehicle capacity weight – occupant load]	113
Describe Placement of Cargo:	Behind Left Side Rearmost Seat

WEIGHT DISTRIBUTION

ITEM	Tire or Vehicle Rating* (KG)	CONDITION 1 UVW (KG)		CONDITION 2 Cond. 1 + occupants (KG)		CONDITION 3 Cond. 2 + cargo (KG)	
		Measured	Overload	Measured	Overload	Measured	Overload
Left Front Tire	1,060	728	No	878	No	890	No
Right Front Tire	1,060	768	No	906	No	882	No
Front Axle	1,950	1,496	No	1,784	No	1,772	No
Left Rear Tire	1,950	1,214	No	1,682	No	1,774	No
Right Rear Tire	1,950	1,388	No	1,896	No	1,928	No
Rear Axle	3,901	2,602	No	3,578	No	3,702	No
Total Vehicle	5,579	4,098	No	5,362	No	5,474	No

* Vehicle and axle weight ratings (GVWR & GAWR) are located on the vehicle certification label plate. Vehicle tire load ratings are based upon the inflation pressure specified on the certification label plate for each respective axle, as determined from the appropriate tire manufacturer's specification table.

DATA SHEET 3…continued

WEIGHT DISTRIBUTION

Test Vehicle: **2008 COLLINS GRAND BANTAM SCHOOL BUS** NHTSA No.: **C80900**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **2/9/2009**

Requirements	Pass/Fail
Weight Distribution (49 CFR 567 Certification) Vehicle loaded with occupants and cargo does not exceed GVWR	**Pass**

Remarks: None

Tested By: Brian Roach Approved By: Michael Janosz

Date: February 9, 2009

SECTION 4

INSTRUMENTATION AND EQUIPMENT LIST

Test Vehicle: **2008 COLLINS GRAND BANTAM SCHOOL BUS** NHTSA No.: **C80900**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **2/9/2009**

	Digital Caliper	Vehicle Scale	Tape Measure
Make	Mitutoyo	GSE	Stanley
Model	CD-6" GS	465	Powerlock
Serial # (s)	06398228	004804	556
Range	0-152 mm	0 to 20,000 lb	0 to 3 m
Accuracy	0.01 mm	0.25% static	1 mm
Cal. Date	09/11/08	09/09/08	08/19/08
Cal. Due Date	03/11/09	09/09/09	02/19/09

Test Vehicle: **2008 COLLINS GRAND BANTAM SCHOOL BUS** NHTSA No.: **C80900**
Test Lab: **MGA RESEARCH CORPORATION** Test Date: **2/9/2009**

SCALE CALIBRATION SHEET

Confidential **REPORT OF INSPECTION AND CALIBRATION** *Trade Secret*

Operating Under A2LA Accreditation #2006.01; Performed by **Certified Scale Inc.** N57 W13640 Carmen Avenue, Menomonee Falls, WI 53051. As Directed by **MGA Research Corporation**

TYPE DIGITAL FLOOR CLASS IIIL MODEL 465 CAPACITY 20,000
MANUFACTURER GSE SERIAL # 004804 ID# NONE MAX. LOAD 15,000
LOCATION BUS AND TRUCK BAY 1 MINIMUM DIVISION 5 UNITS Lbs.

TEST AND UNCERTAINTY PROCEDURE JUSTIFICATION	NIST TRACEABLE TEST STANDARDS USED THIS CALIBRATION
PLEASE REFER TO TEST JUSTIFICATION AND UNCERTAINTY POLICY MADE PART OF SCALE MAINTENANCE	50# NUMBERS E800 E300 THRU E819
AND CALIBRATION PROCEDURE MANUAL; SERIAL # MGA-704-L1	500# NUMBERS THRU
☐ THERE WAS NO DEVIATION IN PROCEDURE AS WRITTEN	1000# NUMBERS NSI 01 THRU NSI 15
☑ DEVIATION FROM PROCEDURE IS NOTED HEREUPON	SUBSTITUTION LOAD ☐
TEST WEIGHT CERTIFICATION	**ESTIMATE OF ENVIRONMENTAL CONDITIONS**
PLEASE REFER TO TEST STANDARD TRACEABILITY DOCUMENTS MADE PART OF SCALE MAINTENANCE	Temperature 69° Humidity 47 % Air Movement Minimal
AND CALIBRATION PROCEDURE MANUAL; SERIAL # MGA-704-L1	Vibration minimal Other none

VISUAL INSPECTION	ACCEPT	REJECT	LOCATION OF TEST/NOTICE OF SUB-CONTRACTOR
FUNCTIONALITY; as left	✓		☐ This test was conducted at Certified Scale Inc. facility, Menomonee Falls, WI
REPEATABILITY/SENSITIVITY; as left	✓		☑ This test was conducted within the customer facility; located at :
PHYSICAL CONDITION; as left	✓		5000 Warren Road, Burlington, WI 53105
SUITABILITY FOR INTENDED USE	✓		☐ Subcontracted to:

*** FINAL TEST RESULTS ***

TEST POINT	AS FOUND			ACCEPT	REJECT	AS LEFT		ACCEPT	REJECT	TOLERANCES	
	EXPECTED VALUE	MEASURED VALUE	ERROR			MEASURED VALUE	ERROR			LOW LIMIT	HIGH LIMIT
SCALE #1											
DISTRIBUTION	1000	995	<5>	✓		1000	0	✓		995	1005
DISTRIBUTION	2000	1995	<5>	✓		2000	0	✓		1995	2005
DISTRIBUTION	3000	2995	<5>	✓		3000	0	✓		2990	3010
DISTRIBUTION	4000	3995	<5>	✓		4000	0	✓		3990	4010
DISTRIBUTION	5000	4990	<10>	✓		5000	0	✓		4990	5010
DISTRIBUTION	10,000	9990	<10>	✓		10000	0	✓		9980	10,020
DISTRIBUTION	15,000	14985	<15>	✓		15000	0	✓		14,970	15,030
DISTRIBUTION	17000 18,000	16985	<15>	✓		17000	0	✓		17,960	18,040

PAGE (1) OF (2)

*** FINAL CONCLUSIONS ***

AS FOUND: ACCEPT ☑ REJECT ☐ | AS LEFT: ACCEPT ☑ REJECT ☐ | ACTION PENDING: ☐

*** STATEMENT OF ESTIMATED UNCERTAINTY AND CONFIDENCE ***

☐ ESTIMATED UNCERTAINTY OF THIS CALIBRATION IS ____________; BY CSI TYPE EVALUATION DEFAULT; WITH A CONFIDENCE LEVEL OF 99%.

☑ UNCERTAINTY OF THIS CALIBRATION IS UNKNOWN BY STATISTICAL CALCULATION; ASSUMED EQUAL TO ±50% OF THE MINIMUM VALID DIVISION. M.W.D.

Technician's Comments/Observations/Opinions: Adjusted Calibration APPROVED

MGA2 - NM:6/05

** THIS REPORT IS APPLICABLE ONLY TO THE DEVICE IDENTIFIED IN THE LOCATION SPECIFIED AS PART OF THIS REPORT. **

The serial number of this report is 090908MGA02. "This report may not be duplicated without written consent of Certified Scale Inc."

This report, page (1) of (1) was completed on 9/9/2008 (Date) by [signature] (Certified Scale Inc. Representative).

Next scheduled Full Calibration is due ~~12/2008~~ ZP 9-9-2009 (Date). Next Preventive Maintenance visit is due none (Date).

Revision - O Certified Scale Inc. - Quality Procedure Manual - Controlled Document R-510L1RIC (File #5.10.c)

Page 1 of 1

The calibration sheet incorrectly shows the next scheduled full calibration due December 2008. The calibration interval for this instrument is 12 months. The next scheduled full calibration is due September 9, 2009.

Test Vehicle:	**2008 COLLINS GRAND BANTAM SCHOOL BUS**	NHTSA No.:	**C80900**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**2/9/2009**

SCALE CALIBRATION SHEET

Confidential **REPORT OF INSPECTION AND CALIBRATION** *Trade Secret*

Operating Under A2LA Accreditation #2006.01; Performed by **Certified Scale Inc.** N57 W13640 Carmen Avenue, Menomonee Falls, WI 53051. As Directed by **MGA Research Corporation**

TYPE DIGITAL FLOOR — CLASS IIII — MODEL 465 — CAPACITY 20,000
MANUFACTURER GSE — SERIAL # 004804 — ID# NONE — MAX. LOAD 15,000
LOCATION BUS AND TRUCK BAY 2 — MINIMUM DIVISION 5 — UNITS Lbs.

TEST AND UNCERTAINTY PROCEDURE JUSTIFICATION	NIST TRACEABLE TEST STANDARDS USED THIS CALIBRATION
PLEASE REFER TO TEST JUSTIFICATION AND UNCERTAINTY POLICY MADE PART OF SCALE MAINTENANCE AND CALIBRATION PROCEDURE MANUAL; SERIAL # MGA-704-L1	50# NUMBERS C800 C500 THRU C819
	500# NUMBERS NSI 02 THRU NSI 15
☐ THERE WAS NO DEVIATION IN PROCEDURE AS WRITTEN	1000# NUMBERS NSI 01 THRU NSI 15
☑ DEVIATION FROM PROCEDURE IS NOTED HEREUPON	SUBSTITUTION LOAD ☐
TEST WEIGHT CERTIFICATION	**ESTIMATE OF ENVIRONMENTAL CONDITIONS**
PLEASE REFER TO TEST STANDARD TRACEABILITY DOCUMENTS MADE PART OF SCALE MAINTENANCE AND CALIBRATION PROCEDURE MANUAL; SERIAL # MGA-704-L1	Temperature 69 ° Humidity 47 % Air Movement Minimal
	Vibration Minimal Other none

VISUAL INSPECTION	ACCEPT	REJECT	LOCATION OF TEST/NOTICE OF SUB-CONTRACTOR
FUNCTIONALITY; as left	✓		☐ This test was conducted at Certified Scale Inc. facility, Menomonee Falls, WI
REPEATABILITY/SENSITIVITY; as left	✓		☑ This test was conducted within the customer facility; located at :
PHYSICAL CONDITION; as left	✓		5000 Warren Road, Burlington, WI 53105
SUITABILITY FOR INTENDED USE	✓		☐ Subcontracted to:

*** FINAL TEST RESULTS ***

TEST POINT	As Found: Expected Value	As Found: Measured Value	As Found: Error	Accept	Reject	As Left: Measured Value	As Left: Error	Accept	Reject	Tolerances: Low Limit	Tolerances: High Limit
SCALE #2											
DISTRIBUTION	1000	995	<5>	✓		1000	0	✓		995	1005
DISTRIBUTION	2000	1995	<5>	✓		2000	0	✓		1995	2005
DISTRIBUTION	3000	2995	<5>	✓		3000	0	✓		2990	3010
DISTRIBUTION	4000	3995	<5>	✓		4000	0	✓		3990	4010
DISTRIBUTION	5000	4990	<10>	✓		5000	0	✓		4990	5010
DISTRIBUTION	10,000	9990	<10>	✓		10000	0	✓		9980	10,020
DISTRIBUTION	15,000	14985	<15>	✓		15000	0	✓		14,970	15,030
DISTRIBUTION	17000 18,000	16985	<15>	✓		17000	0	✓		17,960	18,040

PAGE (1) OF (2)

*** FINAL CONCLUSIONS ***

AS FOUND: ACCEPT ☑ REJECT ☐ | AS LEFT: ACCEPT ☑ REJECT ☐ | ACTION PENDING: ☐

*** STATEMENT OF ESTIMATED UNCERTAINTY AND CONFIDENCE ***

☐ ESTIMATED UNCERTAINTY OF THIS CALIBRATION IS ________; BY CSI TYPE EVALUATION DEFAULT; WITH A CONFIDENCE LEVEL OF 99%.

☑ UNCERTAINTY OF THIS CALIBRATION IS UNKNOWN BY STATISTICAL CALCULATION; ASSUMED EQUAL TO ±50% OF THE MINIMUM VALID DIVISION.

Technician's Comments/Observations/Opinions: Adjusted Calibration

M.W.R. APPROVED

MGA2 - 1%4/05

** THIS REPORT IS APPLICABLE ONLY TO THE DEVICE IDENTIFIED IN THE LOCATION SPECIFIED AS PART OF THIS REPORT. **

The serial number of this report is 090908MGA 02. "This report may not be duplicated without written consent of Certified Scale Inc."

This report, page (1) of (1) was completed on 9/9/2008 (Date) by [signature] (Certified Scale Inc. Representative).

Next scheduled Full Calibration is due 12/2008 (Date) 9-9-2009 . Next Preventive Maintenance visit is due none (Date).

Revision - 0 — Certified Scale Inc. - Quality Procedure Manual - Controlled Document — R-510L1RIC (File #5.10.c)

Page 1 of 1

The calibration sheet incorrectly shows the next scheduled full calibration due December 2008. The calibration interval for this instrument is 12 months. The next scheduled full calibration is due September 9, 2009.

SECTION 5

PHOTOGRAPHS

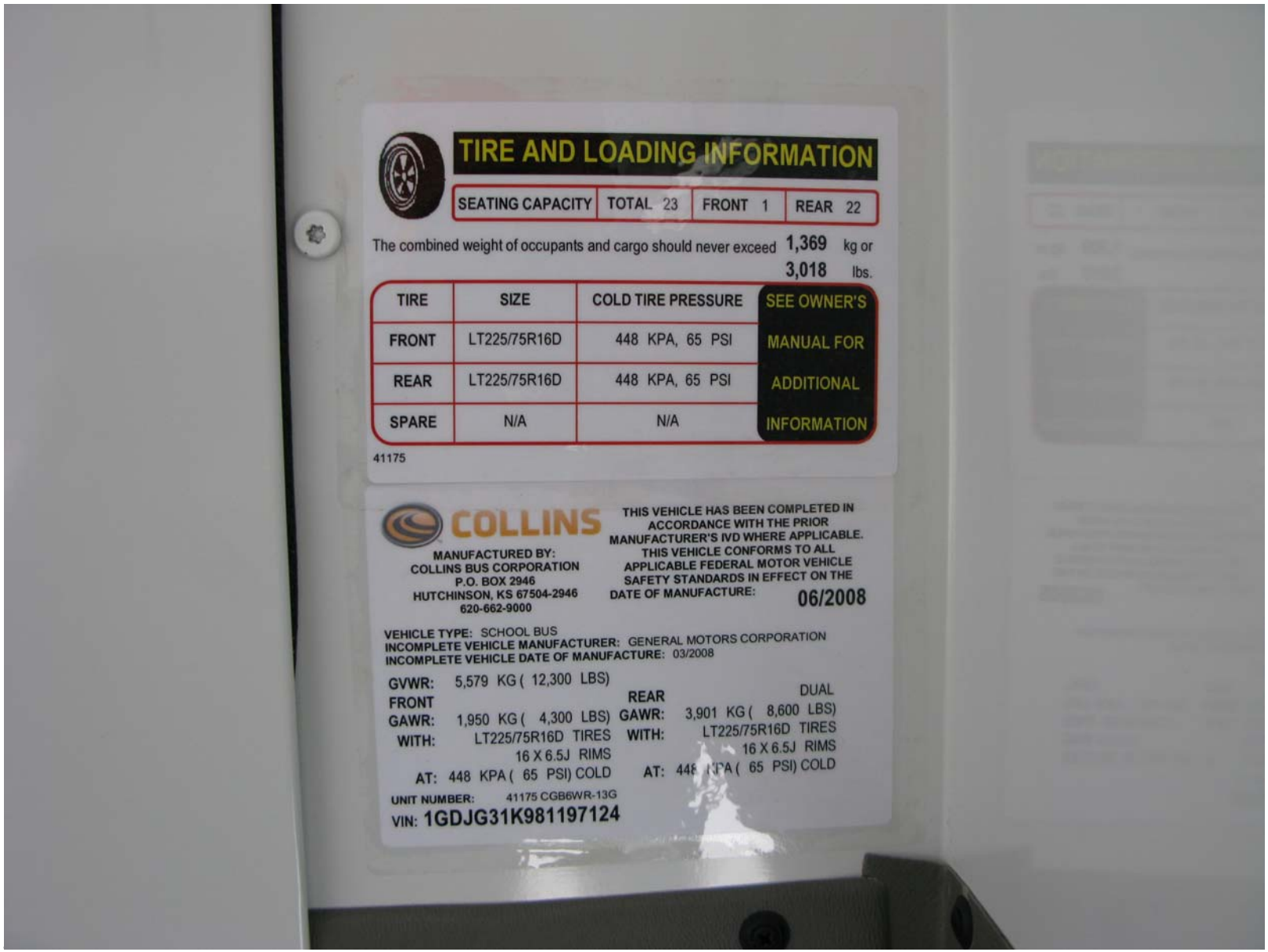
TABLE OF PHOTOGRAPHS

Test Vehicle:	**2008 COLLINS GRAND BANTAM SCHOOL BUS**	NHTSA No.:	**C80900**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**02/09/09**

Three-Quarter Frontal View of Left Side of Vehicle

Test Vehicle:	**2008 COLLINS GRAND BANTAM SCHOOL BUS**	NHTSA No.:	**C80900**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**02/09/09**

Three-Quarter Rear View of Left Side of Vehicle



Certification Label and Tire Information Label

Test Vehicle:	**2008 COLLINS GRAND BANTAM SCHOOL BUS**	NHTSA No.:	**C80900**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**02/09/09**

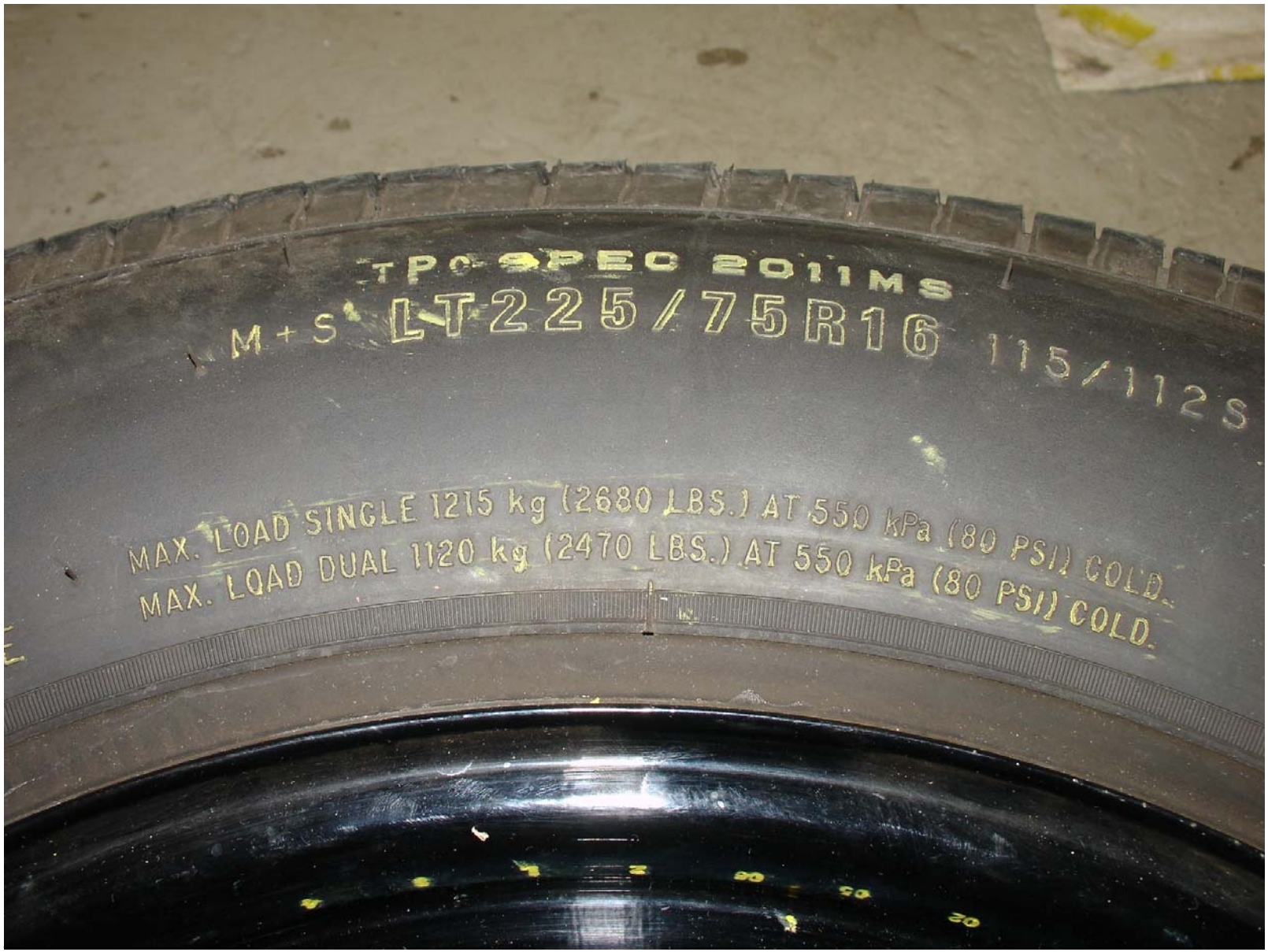
Tire Manufacturer

Test Vehicle:	**2008 COLLINS GRAND BANTAM SCHOOL BUS**	NHTSA No.:	**C80900**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**02/09/09**

Tire Model Number

Test Vehicle:	**2008 COLLINS GRAND BANTAM SCHOOL BUS**	NHTSA No.:	**C80900**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**02/09/09**

Tire DOT Serial Number



Tire Load Ratings and Tire Size Designation

Rim Manufacturer and DOT Symbol

Test Vehicle:	**2008 COLLINS GRAND BANTAM SCHOOL BUS**	NHTSA No.:	**C80900**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**02/09/09**

Rim Size

Test Vehicle:	**2008 COLLINS GRAND BANTAM SCHOOL BUS**	NHTSA No.:	**C80900**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**02/09/09**

Rim Date of Manufacture Markings

Test Vehicle:	**2008 COLLINS GRAND BANTAM SCHOOL BUS**	NHTSA No.:	**C80900**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**02/09/09**

Vehicle on Scales Doing Measurement of Front Axle Loads

Test Vehicle:	**2008 COLLINS GRAND BANTAM SCHOOL BUS**	NHTSA No.:	**C80900**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**02/09/09**

Vehicle on Scales Doing Measurement of Rear Axle Loads

Test Vehicle:	**2008 COLLINS GRAND BANTAM SCHOOL BUS**	NHTSA No.:	**C80900**
Test Lab:	**MGA RESEARCH CORPORATION**	Test Date:	**02/09/09**

Simulated Occupant Loading