

**SAFETY COMPLIANCE TESTING FOR  
FMVSS NO. 214S  
SIDE IMPACT PROTECTION (STATIC)**

**HYUNDAI MOTOR COMPANY  
2009 HYUNDAI GENESIS, PASSENGER CAR  
NHTSA NO. C90501**

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



August 12, 2009

**FINAL REPORT**

**PREPARED FOR**

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

This publication is distributed by the U.S. Department of Transportation, National Highway Traffic Safety Administration, in the interest of information exchange. The opinions, findings and conclusions expressed in this publication are those of the author(s) and not necessarily those of the Department of Transportation or the National Highway Traffic Safety Administration. The United States Government assumes no liability for its contents or use thereof. If trade or manufacturers' names or products are mentioned, it is only because they are considered essential to the object of the publication and should not be construed as an endorsement. The United States Government does not endorse products or manufacturers.

Prepared By: \_\_\_\_\_

Approved By: \_\_\_\_\_

Approval Date: 08/12/09

FINAL REPORT ACCEPTANCE BY OVSC:

Accepted By: \_\_\_\_\_

Acceptance Date: \_\_\_\_\_

1. Report No. 214-GTL-09-005	2. Government Accession No. N/A	3. Recipient's Catalog No. N/A
4. Title and Subtitle Final Report of FMVSS 214 Compliance Testing of 2009 HYUNDAI GENESIS PASSENGER CAR NHTSA No. C90501		5. Report Date August 12, 2009
		6. Performing Organ. Code GTL
7. Author(s) Grant Farrand, Project Engineer Debbie Messick, Project Manager		8. Performing Organ. Rep# GTL-DOT-09-214-005
9. Performing Organization Name and Address General Testing Laboratories, Inc. 1623 Leedstown Road Colonial Beach, Va 22443		10. Work Unit No. (TRAIS) N/A
		11. Contract or Grant No. DTNH22-06-C-00032
12. Sponsoring Agency Name and Address U.S. Department of Transportation National Highway Traffic Safety Admin. Enforcement Office of Vehicle Safety Compliance (NVS-220) 1200 New Jersey Ave., S.E., Washington, DC 20590		13. Type of Report and Period Covered Final Test Report August 4, 2009
		14. Sponsoring Agency Code NVS-220
15. Supplementary Notes		
16. Abstract Compliance tests were conducted on the subject 2009 Hyundai Genesis Passenger Car in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-214S-05 for the determination of FMVSS 214 compliance. Test failures identified were as follows: NONE		
17. Key Words Compliance Testing Safety Engineering FMVSS 214		18. Distribution Statement Copies of this report are available from NHTSA Technical Information Services (TIS) Room W45-212 (NPO-411) 1200 New Jersey Ave., S.E. Washington, DC 20590 Telephone No. (202) 366-4947
19. Security Classif. (of this report) UNCLASSIFIED	21. No. of Pages 56	22. Price
20. Security Classif. (of this page) UNCLASSIFIED		

## TABLE OF CONTENTS

SECTION		PAGE
1	Introduction	1
2	Test Procedure and Summary of Results	2
3	Compliance Test Data	4
4	Test Equipment List	10
5	Photographs	11
	5.1 Front View of Vehicle Pre-test	
	5.2 Left Side View of Vehicle Pre-test	
	5.3 Right Side View of Vehicle Pre-test	
	5.4 Rear View of Vehicle Pre-test	
	5.5 3/4 Frontal View from Left Side of Vehicle Pre-test	
	5.6 3/4 Rear View from Right Side of Vehicle Pre-test	
	5.7 Vehicle's Certification Label	
	5.8 Vehicle Tire Information Label	
	5.9 Vehicle VIN Plate	
	5.10 Instrumentation Setup	
	5.11 Rear Vehicle Tie Down Test 1	
	5.12 Front Vehicle Tie Down Test 1	
	5.13 Inclinator Pre-Test 1	
	5.14 Dial Indicator Pre-Test 1	
	5.15 Load Device Against Door Pre-Test 1	
	5.16 Load Device Against Door at Max Load Test 1	
	5.17 Inclinator at Max Load Test 1	
	5.18 Dial Indicator at Max Load Test 1	
	5.19 Post Test Door Outside Test 1	
	5.20 Post Test Door Inside Test 1	
	5.21 Rear Vehicle Tie Down Test 2	
	5.22 Front Vehicle Tie Down Test 2	
	5.23 Inclinator Pre-Test 2	
	5.24 Dial Indicator Pre-Test 2	
	5.25 Load Device Against Door Pre-Test 2	
	5.26 Load Device Against Door at Max Load Test 2	
	5.27 Inclinator at Max Load Test 2	
	5.28 Dial Indicator at Max Load Test 2	
	5.29 Post Test Door Outside Test 2	
	5.30 Post Test Door Inside Test 2	
	5.31 Front View of Vehicle Post Test	
	5.32 Left Side View of Vehicle Post Test	
	5.33 Right Side View of Vehicle Post Test	
	5.34 Rear View of Vehicle Post Test	
	5.35 3/4 Frontal View from Left Side of Vehicle Post Test	
	5.36 3/4 Rear View from Right Side of Vehicle Post Test	
6	Test Data Plots	48

## SECTION 1 INTRODUCTION

### 1.0 PURPOSE OF COMPLIANCE TEST

A 2009 Hyundai Genesis passenger car was subjected to Federal Motor Vehicle Safety Standard (FMVSS) No. 214 testing to determine if the vehicle was in compliance with the requirements of the standard. FMVSS No. 214 establishes requirements for the side doors of a Motor Vehicle to minimize the safety hazard caused by intrusion into the passenger compartment as a result of a side impact accident.

### 1.1 TEST VEHICLE

The test vehicle was a 2009 Hyundai Genesis Passenger Car. Nomenclature applicable to the test vehicle are:

- A. Vehicle Identification Number: KMHGC46E89U025598
- B. NHTSA No.: C90501
- C. Manufacturer: HYUNDAI MOTOR COMPANY
- D. Manufacture Date: JUN/20/08

The vehicle's front and rear seating systems were removed for this test. All vehicle windows were closed and all doors were locked for this test.

### 1.2 TEST DATE

The test vehicle was subjected to FMVSS No. 214 testing on August 4, 2009.

## SECTION 2 TEST PROCEDURE AND SUMMARY OF RESULTS

### 2.0 TEST PROCEDURE

All tests were conducted in accordance with NHTSA, Office of Vehicle Safety Compliance (OVSC) Laboratory Procedure, TP-214S-05 dated 14 September 1993 and General Testing Laboratories, Inc. (GTL) Test Procedure, TP-214S-05, "Static – Side Impact Protection".

Each vehicle shall be able to meet the requirements of either, at the manufacturer's option, 2.1 or 2.2 when any of its side doors that can be used for occupant egress are tested.

### 2.1 OPTION ONE

With any seats that may affect load upon or deflection of the side of the vehicle removed from the vehicle, each vehicle must be able to meet the requirements of 2.1.1 through 2.1.3.

#### 2.1.1 INITIAL CRUSH RESISTANCE

The initial crush resistance shall not be less than 2,250 pounds.

#### 2.1.2 INTERMEDIATE CRUSH RESISTANCE

The intermediate crush resistance shall not be less than 3,500 pounds.

#### 2.1.3 PEAK CRUSH RESISTANCE

The peak crush resistance shall not be less than two times the curb weight of the vehicle or 7,000 pounds, whichever is less.

### 2.2 OPTION TWO

With seats installed in the vehicle, and located in any horizontal or vertical position to which they can be adjusted and at any seat back angle to which they can be adjusted, each vehicle must be able to meet the requirements of 2.2.1 through 2.2.3.

#### 2.2.1 INITIAL CRUSH RESISTANCE

The initial crush resistance shall not be less than 2,250 pounds.

#### 2.2.2 INTERMEDIATE CRUSH RESISTANCE

The intermediate crush resistance shall not be less than 4,375 pounds.

## SECTION 2 CONTINUED

2.2.3 PEAK CRUSH RESISTANCE

The peak crush resistance shall not be less than three and one half times the curb weight of the vehicle or 12,000 pounds, whichever is less.

SECTION 3  
COMPLIANCE TEST DATA



DATA SHEET 1  
TEST VEHICLE RECEIVING-INSPECTION

VEH. MOD YR/MAKE/MODEL/BODY: 2009 HYUNDAI GENESIS PASSENGER CAR  
 VEH. BUILD DATE: JUN/20/08 ; TEST DATE: AUGUST 4, 2009  
 TEST LABORATORY: GENERAL TESTING LABS  
 OBSERVERS: G. FARRAND, J. LATANE

A. First compliance test by laboratory for this vehicle is the static FMVSS 214 test.

Yes  No (Go to item 2)

(1) Label test vehicle with NHTSA Number

(2) Verify all options on the "window sticker" are present on the vehicle

(3) Verify tires and wheel rims are new and the same as listed

(4) Verify there are no dents or other interior or exterior flaws

(5) Verify the glove box contains an owner's manual, warranty document, consumer information, and extra keys

(6) Verify the vehicle is equipped with the proper fuel filler cap

(7) If the vehicle has been delivered from the dealer, verify the vehicle has been properly prepared and is in running condition

B. Verify seat adjusters are working

Yes  No

C. Verify there is a seat belt at each seating position

Yes  No

D. Without disturbing the integrity of each seat belt and anchorage, verify that each seat belt is attached to the anchorage. For seat belts that are attached to the seat, also verify the seats are attached to the seat anchors and the seat anchors are attached to the vehicle.

Yes  No

E. Curb Weight of Vehicle: 3737 LBS. (1695 KG)

F. COMMENTS: (Explain any problems here)

RECORDED BY: G. FARRAND

DATE: 08/04/09

APPROVED BY: D. MESSICK

DATA SHEET 2  
PRETEST PREPARATION

VEH. MOD YR/MAKE/MODEL/BODY: 2009 HYUNDAI GENESIS PASSENGER CAR  
 VEH. NHTSA NO.: C90501 ; VIN: KMHGC46E89U025598  
 VEH. BUILD DATE: JUN/20/08 ; TEST DATE: AUGUST 4, 2009  
 TEST LABORATORY: GENERAL TESTING LABS  
 OBSERVERS: G. FARRAND, J. LATANE

Prior to testing the following will be accomplished:

		<u>TEST</u>	
		1	2
A.	Check the manufacturers certification statement to determine if the vehicle should be tested with or without seats installed.	<u>X</u>	<u>X</u>
B.	Remove all seats unless the vehicle has been certified with the seats installed. If the seats remain in the vehicle, they are to be adjusted per the COTR's instructions.	<u>X</u>	<u>X</u>
C.	Close all windows	<u>X</u>	<u>X</u>
D.	Lock All doors	<u>X</u>	<u>X</u>
E.	State door tested	<u>LF</u>	<u>RR</u>
F.	State the length of a horizontal line drawn on door through a point 5 inches vertically above lowest point of test door	<u>44.5</u>	<u>28.1</u>
G.	State vertical distance from the lowest part of test door to bottom of loading device	<u>5"</u>	<u>5"</u>
H.	State position of vertical centerline of loading device on the midpoint of line determined step F	<u>22.3</u>	<u>14.1</u>
I.	Determine that the vertical axis of the loading device is perpendicular to the longitudinal and lateral axis of the test vehicle	<u>X</u>	<u>X</u>
J.	Determine that the top of the loading device is above the door window opening but not touching any structure above the window opening	<u>X</u>	<u>X</u>

RECORDED BY: G. FARRAND

DATE: 08/04/09

APPROVED BY: D. MESSICK

DATA SHEET 3  
STATIC LOAD TEST - BACK-UP SYSTEM DATA

VEH. MOD YR/MAKE/MODEL/BODY: 2009 HYUNDAI GENESIS PASSENGER CAR  
 VEH. NHTSA NO.: C90501 ; VIN: KMHGC46E89U025598  
 VEH. BUILD DATE: JUN/20/08 ; TEST DATE: AUGUST 4, 2009  
 TEST LABORATORY: GENERAL TESTING LABS  
 OBSERVERS: G. FARRAND, J. LATANE

**RESULTS:** Plots of load versus displacement and time versus displacement obtained from the back-up data (attach plots to data sheet) showed that:

**TEST #1** - GTL #6277 (LEFT FRONT DOOR)

- A. The initial crush resistance was 3354 lbs.  
 B. The intermediate crush resistance was 5917 lbs.  
 C. The peak crush resistance was 11,128 lbs at 12.2 inches  
 D. The rate of loading was .2"/sec

The dial indicator and the inclinometer showed the following deflections.

LOADING DEVICE TRAVEL	DIAL INDICATOR	INCLINOMETER
0 inches	<u>0.0000</u>	<u>0</u>
2 inches	<u>0.03</u>	<u>0</u>
4 inches	<u>0.07</u>	<u>0</u>
6 inches	<u>0.12</u>	<u>0</u>
12 inches	<u>0.25</u>	<u>0</u>
<u>12.2</u> Inches (full travel)	<u>0.25</u>	<u>0</u>
<u>0</u> Inches (removal)	<u>0.05</u>	<u>0</u>

**TEST #2** - GTL #6278 (RIGHT REAR DOOR)

- A. The initial crush resistance was 4296 lbs.  
 B. The intermediate crush resistance was 6754 lbs.  
 C. The peak crush resistance was 13,755 lbs at 12.2 inches  
 D. The rate of loading was .2"/sec

DATA SHEET 3 CONTINUED  
STATIC LOAD TEST - BACK-UP SYSTEM DATA

The dial indicator and the inclinometer showed the following deflections.

LOADING DEVICE TRAVEL	DIAL INDICATOR	INCLINOMETER
0 inches	<u>0.0000</u>	<u>0</u>
2 inches	<u>0.03</u>	<u>0</u>
4 inches	<u>0.07</u>	<u>0</u>
6 inches	<u>0.12</u>	<u>0</u>
12 inches	<u>0.24</u>	<u>0</u>
<u>12.2</u> Inches (full travel)	<u>0.24</u>	<u>0</u>
<u>0</u> Inches (removal)	<u>0.05</u>	<u>0</u>

RECORDED BY: G. FARRAND

DATE: 08/04/09

APPROVED BY: D. MESSICK

DATA SHEET 4  
DATA REDUCTION

VEH. MOD YR/MAKE/MODEL/BODY: 2009 HYUNDAI GENESIS PASSENGER CAR  
 VEH. NHTSA NO.: C90501 ; VIN: KMHGC46E89U025598  
 VEH. BUILD DATE: JUN/20/08 ; TEST DATE: AUGUST 4, 2009  
 TEST LABORATORY: GENERAL TESTING LABS  
 OBSERVERS: G. FARRAND, J. LATANE

Data from the primary data systems will be analyzed and the plots attached to the data sheet.

RESULTS - The load versus displacement plot showed that - -

**TEST #1** - GTL #6277 (LEFT FRONT DOOR)

- A. The initial crush resistance was 3354 lbs.
- B. The intermediate crush resistance was 5917 lbs.
- C. The peak crush resistance was 11,128 lbs at 12.2 inches

The time versus displacement plot showed that - -

The rate of loading was .2"/sec

**TEST #2** - GTL #6278 (RIGHT REAR DOOR)

- A. The initial crush resistance was 4296 lbs.
- B. The intermediate crush resistance was 6754 lbs.
- C. The peak crush resistance was 13,755 lbs at 12.2 inches

The time versus displacement plot showed that - -

The rate of loading was .2"/sec

Comparison of the ABOVE DATA with the BACKUP DATA indicates the following - -

Primary and Backup data agree.

RECORDED BY: G. FARRAND

DATE: 08/04/09

APPROVED BY: D. MESSICK

SECTION 4  
TEST EQUIPMENT LIST

EQUIPMENT	DESCRIPTION	MODEL/ SERIAL NO.	CAL. DATE	NEXT CAL. DATE
COMPUTER	AT&T	486DX266	N/A	N/A
TEST FIXTURE	GTL 214	214	N/A	N/A
A/D INTERFACE	METRABYTE	DAS-16(F)	BEFORE USE	BEFORE USE
SCALES	INTERCOMP	199744	04/09	04/10
SIGNAL CONDITIONER	METRABYTE	EXP-RES	BEFORE USE	BEFORE USE
LOAD CELL	TRANSDUCER INC.	18550	11/08	11/09
LINEAR POT.	WALDALE WALDALE	123456A 123456B	BEFORE USE	BEFORE USE
INCLINOMETER	STARRETT	360/002	BEFORE USE	BEFORE USE
DIAL INDICATOR	MIOTO	0001-2	BEFORE USE	BEFORE USE

SECTION 5  
PHOTOGRAPHS



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.1  
FRONT VIEW OF VEHICLE PRE-TEST





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.2  
LEFT SIDE VIEW OF VEHICLE PRE-TEST





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.3  
RIGHT SIDE VIEW OF VEHICLE PRE-TEST





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.4  
REAR VIEW OF VEHICLE PRE-TEST





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

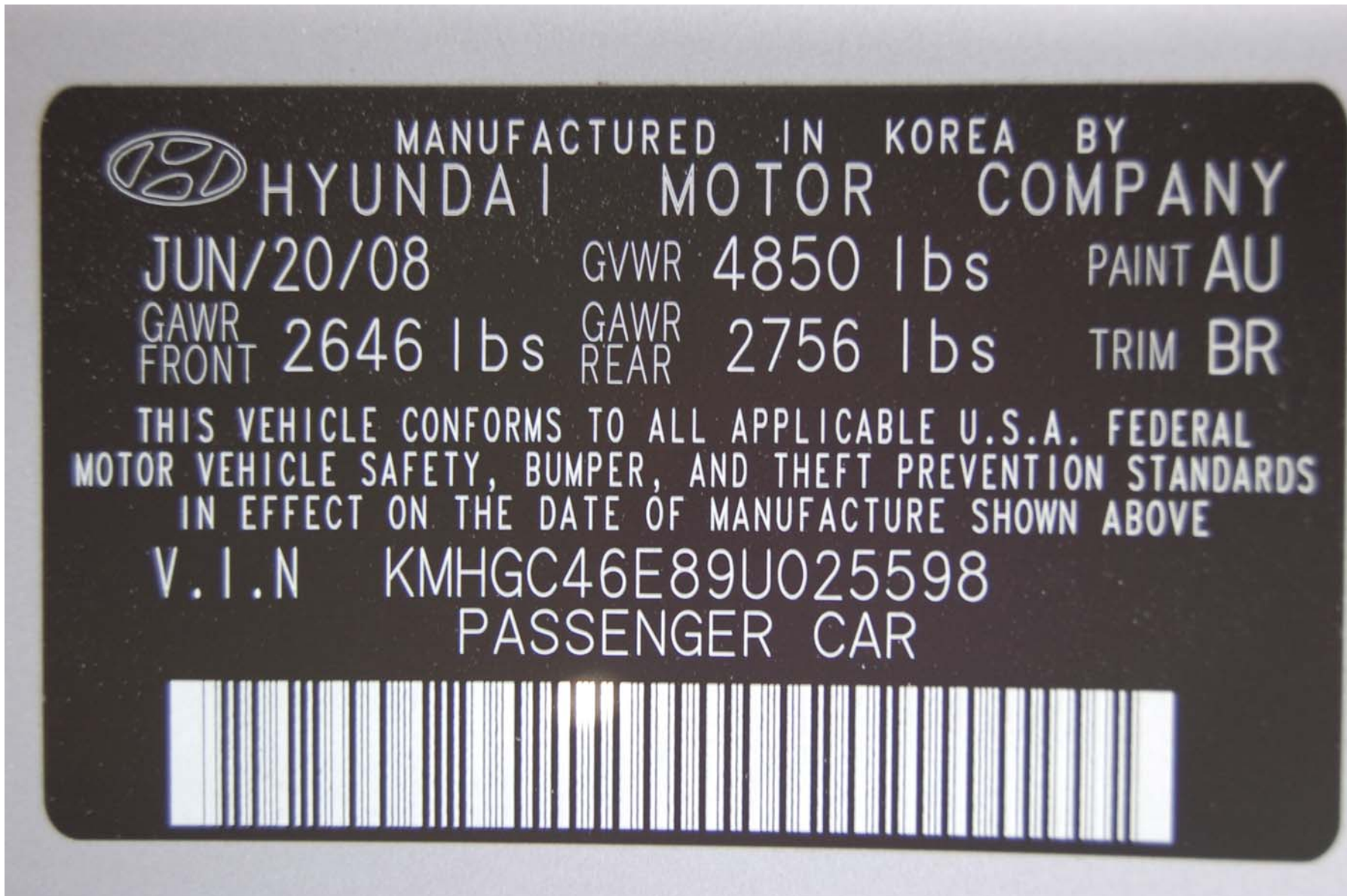
FIGURE 5.5  
¾ FRONTAL VIEW FROM LEFT SIDE OF VEHICLE  
PRE-TEST



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.6  
 $\frac{3}{4}$  REAR VIEW FROM RIGHT SIDE OF VEHICLE  
PRE-TEST






2009 HYUNDAI GENESIS  
 NHTSA NO. C90501  
 FMVSS NO. 214

FIGURE 5.7  
 VEHICLE CERTIFICATION LABEL

**B02**

**P225/55R17**



**TIRE AND LOADING INFORMATION**  
**RENSEIGNEMENTS SUR LES PNEUS ET LE CHARGEMENT**

SEATING CAPACITY	TOTAL 5	FRONT 2	REAR 3
NOMBRE DE SIÈGES	TOTAL 5	AVANT 2	ARRIÈRE 3

The combined weight of occupants and cargo should never exceed 390kg or 860lbs.  
 Le poids total des occupants et des marchandises ne doit jamais dépasser 390kg ou 860lb.

TIRE / PNEU	SIZE / DIMENSIONS	COLD TIRE PRESSURE / PRESSION DES PNEUS À FROID
FRONT / AVANT	P225/55R17	230kPa , 33psi
REAR / ARRIERE	P225/55R17	230kPa , 33psi
SPARE / DE RECHANGE	T135/90D17	420kPa , 60psi

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

**VOIR LE MANUEL DE L'USAGER POUR PLUS DE RENSEIGNEMENTS**

2009 HYUNDAI GENESIS  
 NHTSA NO. C90501  
 FMVSS NO. 214

FIGURE 5.8  
 VEHICLE TIRE INFORMATION LABEL





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.9  
VEHICLE VIN PLATE





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.10  
INSTRUMENTATION SET-UP



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.11  
REAR VEHICLE TIE DOWN – TEST 1





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.12  
FRONT VEHICLE TIE DOWN – TEST 1



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.13  
INCLINOMETER PRE-TEST 1



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.14  
DIAL INDICATOR PRE-TEST 1





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.15  
LOAD DEVICE AGAINST DOOR – PRE-TEST 1



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.16  
LOAD DEVICE AGAINST DOOR @ MAX LOAD – TEST 1



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.17  
INCLINOMETER AT MAX LOAD – TEST 1





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.18  
DIAL INDICATOR AT MAX LOAD – TEST 1



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.19  
POST TEST DOOR OUTSIDE – TEST 1



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.20  
POST TEST DOOR INSIDE – TEST 1





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.21  
REAR VEHICLE TIE DOWN – TEST 2



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.22  
FRONT VEHICLE TIE DOWN – TEST 2





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.23  
INCLINOMETER PRE-TEST 2



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.24  
DIAL INDICATOR – PRE-TEST 2



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.25  
LOAD DEVICE AGAINST DOOR – PRE-TEST 2





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.26  
LOAD DEVICE AGAINST DOOR @ MAX LOAD – TEST 2



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.27  
INCLINOMETER AT MAX LOAD – TEST 2



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.28  
DIAL INDICATOR AT MAX LOAD – TEST 2





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.29  
POST TEST DOOR OUTSIDE – TEST 2



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.30  
POST TEST DOOR INSIDE – TEST 2





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.31  
FRONT VIEW OF VEHICLE POST TEST



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.32  
LEFT SIDE VIEW OF VEHICLE POST TEST





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.33  
RIGHT SIDE VIEW OF VEHICLE POST TEST





2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.34  
REAR VIEW OF VEHICLE POST TEST



2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.35  
¾ FRONTAL VIEW FROM LEFT SIDE OF VEHICLE  
POST TEST





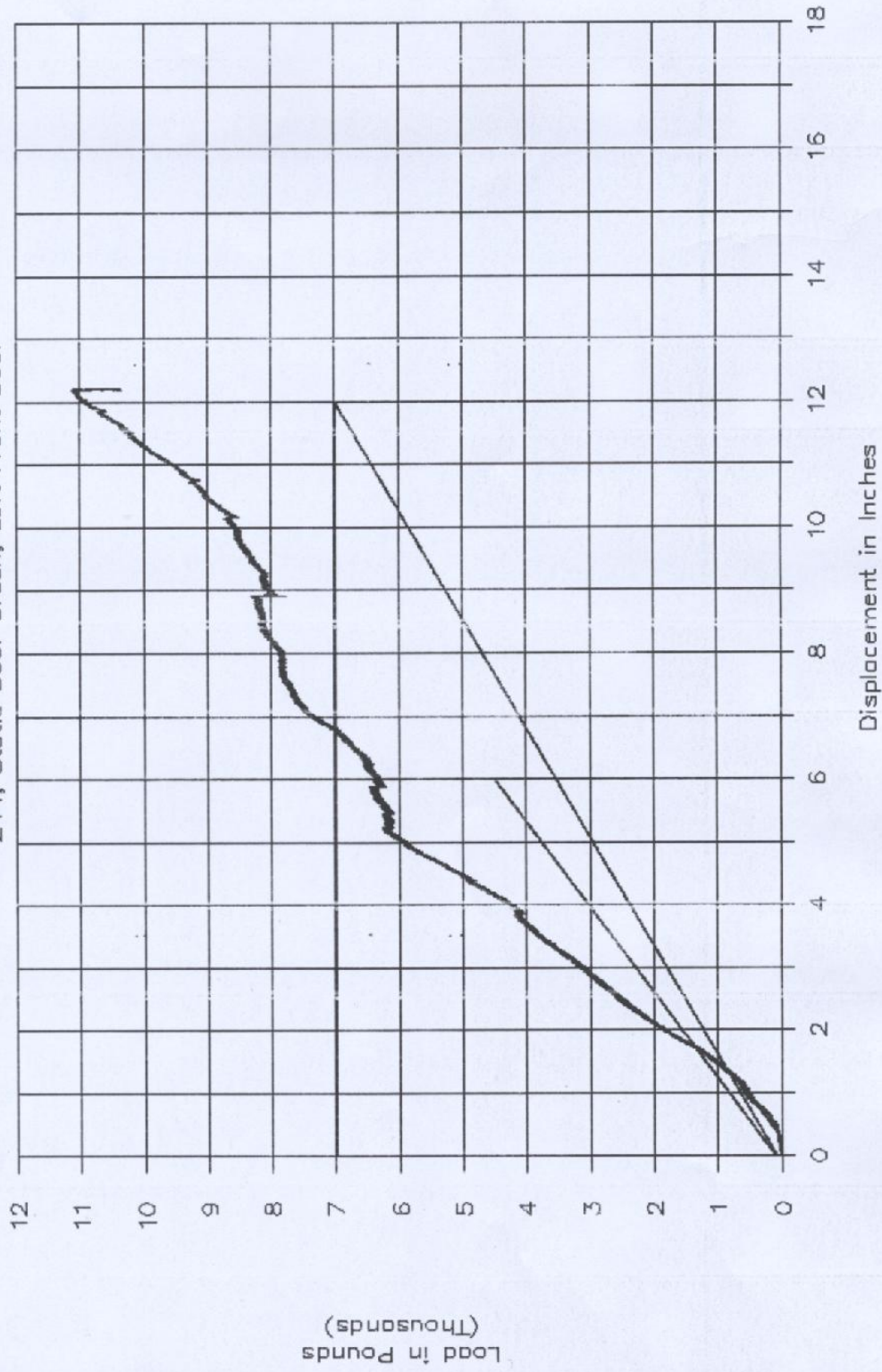
2009 HYUNDAI GENESIS  
NHTSA NO. C90501  
FMVSS NO. 214

FIGURE 5.36  
¾ REAR VIEW FROM RIGHT SIDE OF VEHICLE POST  
TEST

SECTION 6  
TEST DATA PLOTS

GTL 6277

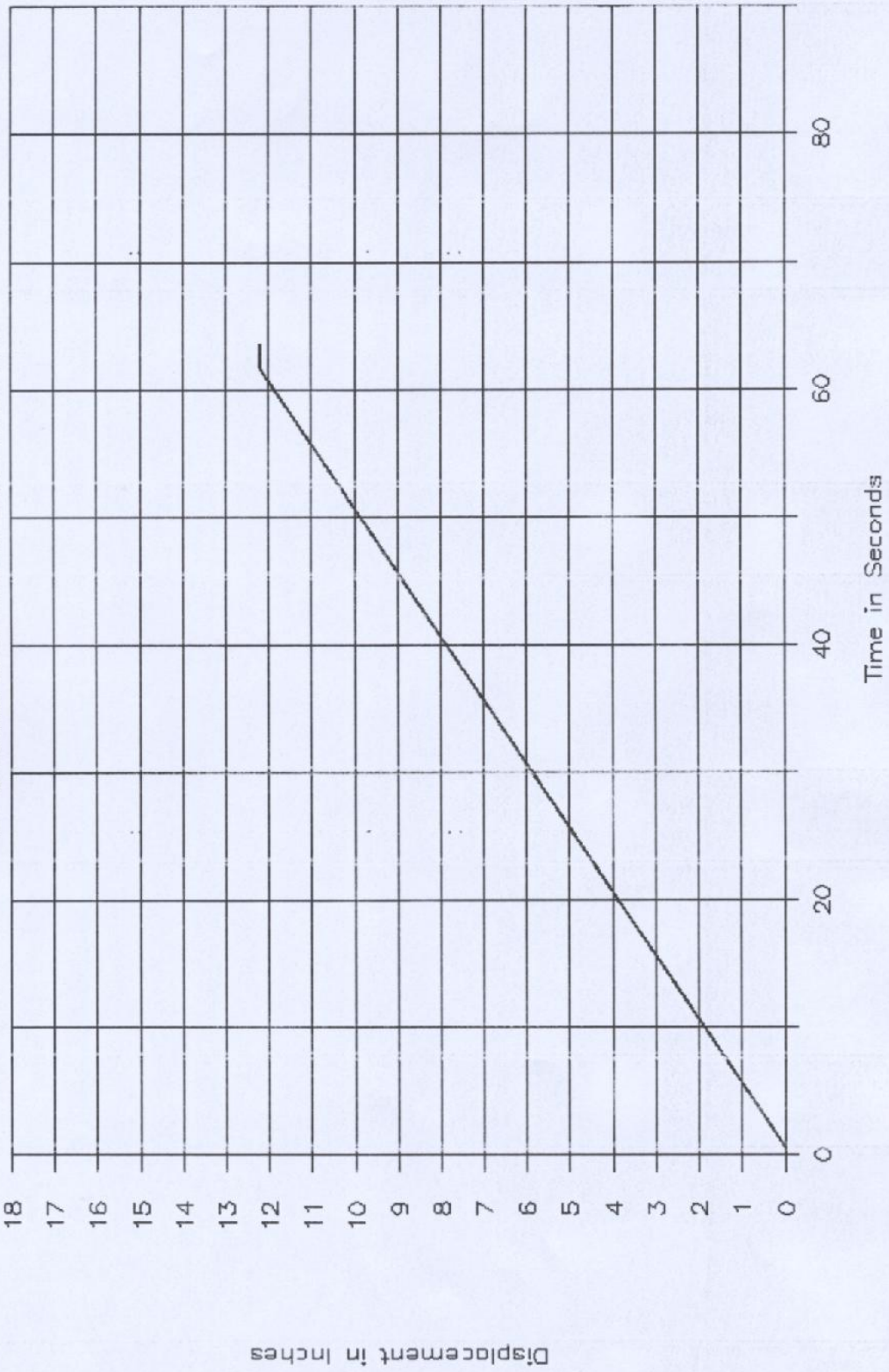
214, Static Door Crush, Left Front Door





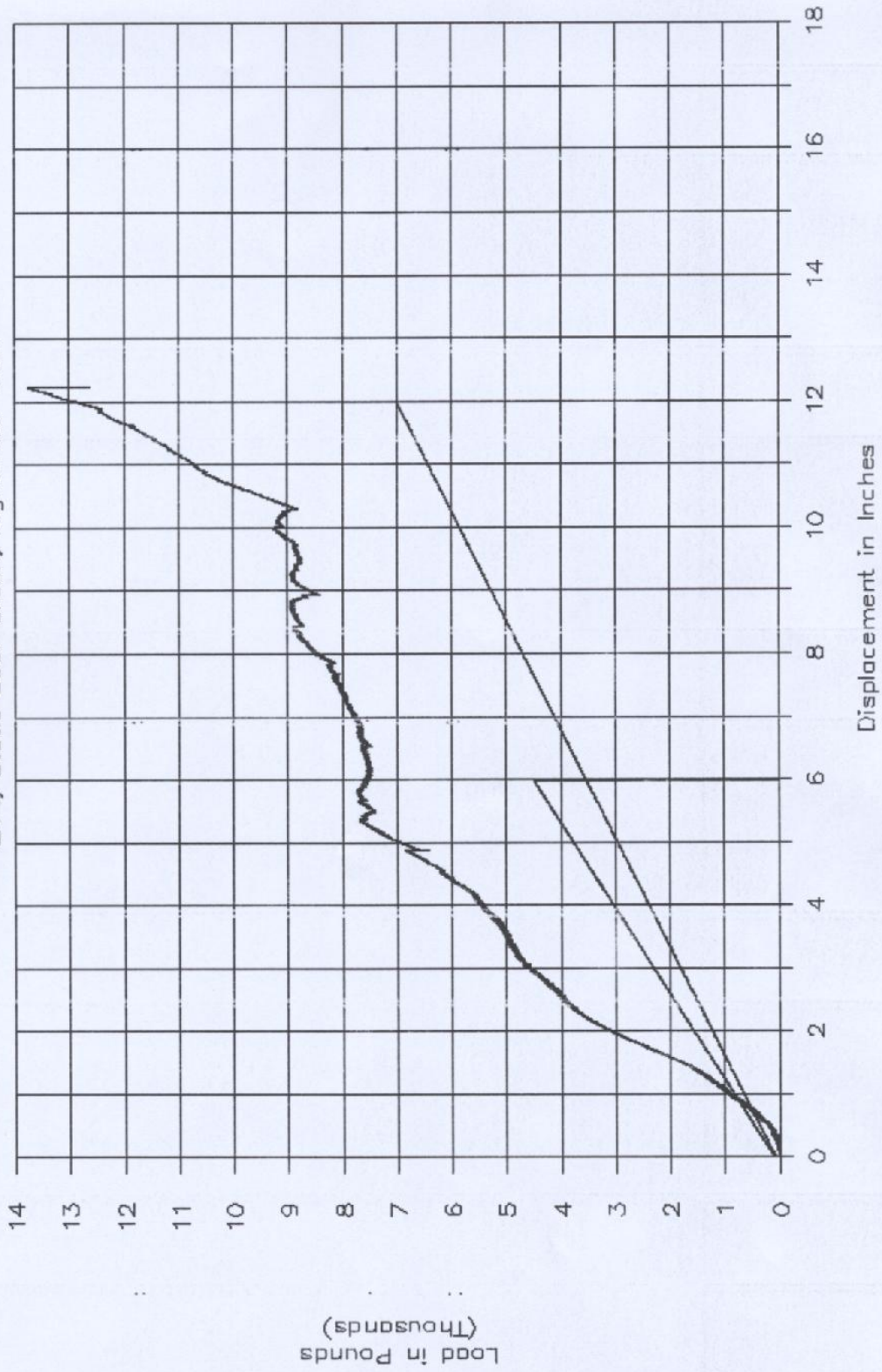
GTL 6277

214, Static Door Crush, Left Front Door



### GTL 6278

214, Static Door Crush, Right Rear Door



GTL 6278

214, Static Door Crush, Right Rear Door

