SAFETY COMPLIANCE TESTING FOR
FMVSS NO. 110
TIRE SELECTION AND RIMS

JAPAN BY HONDA MOTOR CO., LTD
2005 ACURA RL, 4-DOOR PASSENGER CAR
NHTSA NO. C55300

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

JULY 5, 2005
FINAL REPORT

PREPARED FOR
U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
400 SEVENTH STREET, SW
ROOM 8111 (MV5-220)
WASHINGTON, D.C. 20590
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Prepared By: Debra Messick
Approved By: [Signature]
Approval Date: 7/5/05

FINAL REPORT ACCEPTANCE BY OVSC:

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Acceptance Date: 7/18/05
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<th>110-GTL-05-005</th>
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<td>N/A</td>
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<td>Grant Farnand, Project Engineer Debbie Messick, Project Manager</td>
</tr>
<tr>
<td>9. Performing Organization Name and Address</td>
<td>General Testing Laboratories, Inc. 1623 Leadstown Road Colonial Beach, Va 22443</td>
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<td>Final Test Report May 25-May 31, 2005</td>
</tr>
<tr>
<td>15. Supplementary Notes</td>
<td></td>
</tr>
<tr>
<td>16. Abstract</td>
<td>Compliance tests were conducted on the subject 2005 Acura RL passenger car in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-110-02 for the determination of FMVSS 110 compliance. Test failures identified were as follows: NONE</td>
</tr>
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<td>Compliance Testing Safety Engineering FMVSS 110</td>
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<td>Copies of this report are available from NHTSA Technical Information Services (TIS) Room 2336 (NPO-405) 400 7th St., S.W. Washington, DC 20590 Telephone No. (202) 366-4947</td>
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Form DOT F 1700.7 (8-72)
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SECTION 1

INTRODUCTION

1.0 PURPOSE OF COMPLIANCE TEST

A 2005 Acura RL 4-door passenger car was subjected to FMVSS No. 110 testing to
determine if the vehicle was in compliance with the requirements of the standard. All
tests were conducted in accordance with NHTSA, Office of Vehicle Safety Compliance
(OVSC) Laboratory Procedure, TP-110-02 dated 14 December 1989 and General

1.1 TEST VEHICLE

The test vehicle was a 2005 Acura RL 4-door passenger car. Nomenclature applicable
to the test vehicle are:

A. Vehicle Identification Number: JH4KB16505C011287
B. NHTSA No.: C55300
C. Manufacturer: JAPAN BY HONDA MOTOR CO., LTD.
D. Manufacture Date: 01/05

1.2 TEST DATE

The test vehicle was subjected to FMVSS No. 110 testing during the time period May
SECTION 2

TEST PROCEDURE AND SUMMARY OF RESULTS

2.0 GENERAL

The 2005 Acura RL 4-door passenger car, NHTSA No. C56300, was subjected to FMVSS No. 110 testing during the time period May 25 through May 31, 2005.

2.1 TEST PROCEDURE

Prior to test, the test vehicle was inspected for completeness, systems operability and appropriate fuel and liquid levels, i.e., oil and coolant. The vehicle was then photographically documented as required by the DOT/NHTSA and GTL test procedures. Subsequent events included weighing the vehicle to establish delivered curb weight and the distribution of weight on the front and rear axles and each wheel position. The vehicle normal load as well as the maximum load on each wheel were measured. Data from each tire furnished with the vehicle were recorded. The vehicle tire placard was surveyed and photographed. Required dimensional data and other identifying data for the left front and right rear rims were obtained. The contour of the aforementioned rims was documented photographically.

In preparation for the deflated tire retention test, test instrumentation was installed in the vehicle. With the driver aboard, the vehicle was ballasted to equal the "vehicle maximum load on the tire" on the front and rear axle, as previously established. The tire pressure of all tires was adjusted to placard specifications for cold tire inflation at maximum loaded vehicle weight. The deflated tire retention test was then conducted on the left front tire followed by the right rear tire. The tests were conducted with the vehicle traveling in a straight line at 96.6 kph (60 mph). The respective tire was blown by an explosive charge on the tire's sidewall. Test data collected during the test included vehicle speed, deceleration, stopping distance, distance of uncontrolled deviation from a straight line and tire pressure. After the vehicle was stopped, any tire bead separation from the rim flange was documented photographically.

2.2 SUMMARY OF RESULTS

The test vehicle appears to be in compliance with the requirements of FMVSS No. 110.
SECTION 3

TEST DATA
DATA SHEET 1
SUMMARY

VEHICLE MAKE/MODEL/BODY STYLE: 2005 ACURA RL PASSENGER CAR
VEHICLE NHTSA NO.: C55300; VIN: JH4KB16505C014659
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/25/05

REQUIREMENT

TIREE LOAD LIMITS AND PLACARD

The vehicle is equipped with tires that meet the requirements of FMVSS 109. (FMVSS 110, S4.1) PASS

The vehicle maximum load on the tire shall not be greater than the applicable maximum load rating as marked on the sidewall of the tire. (FMVSS 110, S4.2.1) PASS

The vehicle normal load on the tire shall not be greater than the high speed performance test load specified in FMVSS 109 paragraph S5.5. (FMVSS 110, S4.2.2) PASS

The placard must be permanently affixed to the glove compartment door or equally accessible location; and display the required information. (FMVSS 110, S4.3) PASS

No inflation pressure other than the maximum permissible inflation pressure is specified unless as required. (FMVSS 110, S4.3.1) PASS

RIM DIMENSIONS

Each rim shall be constructed to the dimensions of a rim or alternate specified for the tire size. (FMVSS No. 110, S4.4.1 (a)) PASS

DEFLATED TIRE RETENTION

Each rim shall retain the deflated tire until the vehicle can be stopped. (FMVSS 110, S4.4.1(b)) PASS

Statement of indication of compliance or noncompliance to FMVSS 110 and data reference: THE ACURA RL APPEARS TO COMPLY WITH THE REQUIREMENTS OF FMVSS 110.

REMARKS:

RECORDED BY: [Signature] DATE: 05/31/05
APPROVED BY: [Signature]
DATA SHEET 2
TEST VEHICLE INFORMATION/RECEIVING INSPECTION

LABORATORY: GENERAL TESTING LABORATORIES       DATE: 05/25/06

VEHICLE MODEL YEAR/MAKE/MODEL/BODY STYLE: 2005 ACURA RL

MANUFACTURE DATE: 01/05  NHTSA NO.: C56300  BODY COLOR: GREY

VIN: JH4KB16505C        VEHICLE TYPE: PASSENGER CAR

GVWR 2290 kg (4960 lbs)  GAWR(Fr) 1215 kg (2680 lbs)  GAWR(Rr) 1000 kg (2260 lbs)

BELTED SEATING POSITIONS: FRONT 2    MID N/A    REAR 3    OTHER N/A

ENGINE DATA: 6 Cylinders  3.5 Liters  ___ Cubic Inches

TRANSMISSION DATA: X Automatic  ____ Manual  ___ No. of Speeds

FINAL DRIVE DATA: ____ Rear Drive  ___ Front Drive  X 4 Wheel Drive

INSTALLED TIRE DATA: Size: P245/60R17  Mfr. - MICHELIN

CHECK APPROPRIATE BOXES FOR VEHICLE EQUIPMENT/MAKE SURE ALL OPTIONS ON WINDOW STICKER ARE LISTED:

<table>
<thead>
<tr>
<th></th>
<th>Air Conditioning</th>
<th>Traction Control</th>
<th>X</th>
<th>Clock</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>Tinted Glass</td>
<td>X</td>
<td>All Wheel Drive</td>
<td>Roof Rack</td>
</tr>
<tr>
<td>X</td>
<td>Power Steering</td>
<td>X</td>
<td>Cruise Control</td>
<td>X Console</td>
</tr>
<tr>
<td>X</td>
<td>Power Windows</td>
<td>X</td>
<td>Rear Window Defroster</td>
<td>X Driver Air Bag</td>
</tr>
<tr>
<td>X</td>
<td>Power Door Locks</td>
<td>X</td>
<td>Sun Roof or T-Top</td>
<td>X Passenger Air Bag</td>
</tr>
<tr>
<td>X</td>
<td>Power Seat(s)</td>
<td>X</td>
<td>Tachometer</td>
<td>X Front Disc Brakes</td>
</tr>
<tr>
<td>X</td>
<td>Power Brakes</td>
<td>X</td>
<td>Tilt Steering Wheel</td>
<td>X Rear Disc Brakes</td>
</tr>
<tr>
<td>X</td>
<td>Antilock Brake System</td>
<td>X</td>
<td>AM/FM/CD</td>
<td>Other -</td>
</tr>
</tbody>
</table>

REMARKS:

RECORDED BY: ___________________________ DATE: 05/25/05

APPROVED BY: ___________________________
DATA SHEET 3
CURB WEIGHT WITH OPTIONS, NORMAL LOAD, VEHICLE MAXIMUM LOAD

VEHICLE MAKE/MODEL/BODY STYLE: 2005 ACURA RL PASSENGER CAR
VEHICLE NHTSA NO.: C56300; VIN: JH4KB36505C
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/26/05

Full Fluid Levels:
Fuel ______ Full; Coolant ______ Full; Other Fluids ______ Full

Tire Pressure:
LF 220 KPA (32 psi) LR 210 KPA (30 psi)
RF 220 KPA (32 psi) RR 210 KPA (30 psi)

A. MEASURED CURB WEIGHT WITH INSTALLED OPTIONS AND ACCESSORIES

LF 534 KG (1178 LB) LR 391 KG (862 LB)
RF 525 KG (1167 LB) RR 379 KG (835 LB)
Front Axle 1059 KG (2335 LB) Rear Axle 770 KG (1697 LB)
Total Vehicle 1829 KG (4032 LB)

B. VEHICLE NORMAL LOAD ON THE TIRE

(1) Seating Capacity (from Tire Information Placard) = 5

(2) Normal Load # of Occupants from FMVSS 110, Table I = 3

Occupant Distribution: Front Seat- 2 Second Seat- 1
Third Seat - N/A Fourth Seat - N/A

(3) Total Normal Occuaptant Load 204 KG (450 LB)
(# of occupants x 68 KG per occupant)

(4) Measured Normal Load on Axles

LF 584 KG (1287 LB) LR 443 KG (977 LB)
RF 572 KG (1261 LB) RR 434 KG (957 LB)
Fr Axle 1156 KG (2548 LB) Rr Axle 877 KG (1934 LB)
Total Vehicle 2033 KG (4482 LB)
DATA SHEET 3 - CONTINUED

(5) Calculated Vehicle Normal Load on the Tire
  Front Tires (measured front axle normal load/2) = 578 KG (1274 LB)
  Rear Tires (measured rear axle normal load/2) = 439 KG (987 LB)

(6) High Speed Test Load from FMVSS 109 (S5.5)

<table>
<thead>
<tr>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installed Tire Size</td>
<td>P245/50R17</td>
</tr>
<tr>
<td>Max. Load Rating on Sidewall</td>
<td>750 KG (1653 LBS)</td>
</tr>
<tr>
<td>High Speed Test Load</td>
<td>860 KG (1455 LBS)</td>
</tr>
<tr>
<td>Optional Tire Size(s)</td>
<td>NONE</td>
</tr>
<tr>
<td>Max. Load Rating on Sidewall (Obtain from approved reference manual)</td>
<td>N/A</td>
</tr>
<tr>
<td>High Speed Test Load (88% of sidewall max. load rating)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Vehicle Normal Load on the Tire is not greater than the High Speed Test Load

<table>
<thead>
<tr>
<th>Installed Tires; [(5) &lt; (6)]</th>
<th>Front Tires</th>
<th>Rear Tires</th>
<th>PASS/FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Optional Tires; [(5) &lt; (6)]</td>
<td>Front Tires</td>
<td>Rear Tires</td>
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</tr>
</tbody>
</table>

C. MEASURED VEHICLE WITH FULL OCCUPANT LOAD

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<tr>
<th>Side</th>
<th>Load</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF</td>
<td>619</td>
<td>KG (1364 LB)</td>
</tr>
<tr>
<td>RF</td>
<td>582</td>
<td>KG (1283 LB)</td>
</tr>
<tr>
<td>LR</td>
<td>498</td>
<td>KG (1097 LB)</td>
</tr>
<tr>
<td>RR</td>
<td>471</td>
<td>KG (1038 LB)</td>
</tr>
<tr>
<td>Front Axle</td>
<td>1201</td>
<td>KG (2647 LB)</td>
</tr>
<tr>
<td>Rear Axle</td>
<td>968</td>
<td>KG (2135 LB)</td>
</tr>
<tr>
<td>Total Vehicle</td>
<td>2169</td>
<td>KG (4782 LB)</td>
</tr>
</tbody>
</table>
D. VEHICLE MAXIMUM LOAD ON THE TIRE

(1) Vehicle Capacity Weight (from Placard) 386 KG (850 LB)

(2) Seating Capacity (from Placard) 5

(3) Total Occupant Load (seating capacity x 68 KG) 340 KG (750 LB)

(4) Luggage/Cargo Load (Subtract (3) from (1)) 45 KG (100 LB)

(5) Measured Maximum Load on Axles

   LF   617 KG (1360 LB)       LR   523 KG (1153 LB)
   RF   582 KG (1283 LB)       RR   493 KG (1086 LB)

   Frt Axle 1199 KG (2643 LB)  Rr Axle 1016 KG (2239 LB)

   Total Vehicle 2214 KG (4882 LB)

(6) Calculated Vehicle Maximum Load on the Tire

   Front Tires (measured front axle max. load/2) 600 KG (1322 LB)
   Rear Tires (measured rear axle max. load/2) 508 KG (1120 LB)

(7) Maximum Load Rating on Tire Sidewall (obtain data from B.(6))

   Front          Rear

   Installed Tire Size P245/50R17      P245/50R17

   Max. Load Rating on Sidewall 750 KG (1653 LBS) 750 KG (1653 LBS)

   Optional Tire Size(s) N/A          N/A

   Max Load Rating on Sidewall N/A      N/A
   (obtain from approved reference manual)

Vehicle Maximum Load on the Tire is not greater than the Maximum Load Rating Marked on the Tire Sidewall

   Installed Tires;       Front Tires       Rear Tires    PASS/FAIL
   [(6) < (7)]            PASS

   Optional Tires;        Front Tires       Rear Tires    N/A
   [(6) < (7)]            N/A
DATA SHEET 3 – CONTINUED

E. VEHICLE LOAD ON THE TIRE FOR OTHER DISPLAYED LOAD AND TIRE INFLATION PRESSURE CONDITIONS

(1) Condition Description (Load, Tire Size, Inflation Pressure)

Vehicle at maximum load of 2214 kg (4882 lbs) with P245/50R17 tire at 220 kPa (32 psi) front and 210 kPa (30 psi) on tire label.

(2) Condition Load on Tire/Axle

<table>
<thead>
<tr>
<th></th>
<th>LF 617 KG (1360 LB)</th>
<th>LR 523 KG (1153 LB)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RF 582 KG (1283 LB)</td>
<td>RR 493 KG (1086 LB)</td>
</tr>
<tr>
<td></td>
<td>Frt Axle 1188 KG (2643 LB)</td>
<td>Rr Axle 1016 KG (2239 LB)</td>
</tr>
<tr>
<td></td>
<td>Total Vehicle 2214 KG (4882 LB)</td>
<td></td>
</tr>
</tbody>
</table>

(3) Load Rating of Tire at Recommended Inflation Pressure

<table>
<thead>
<tr>
<th></th>
<th>Front</th>
<th>Rear</th>
</tr>
</thead>
<tbody>
<tr>
<td>Displayed Tire Size</td>
<td>P245/50R17</td>
<td>P245/50R17</td>
</tr>
<tr>
<td>Recommended Inflation Pressure</td>
<td>220 kPa (32 psi)</td>
<td>210 kPa (30 psi)</td>
</tr>
<tr>
<td>Tire Load Rating</td>
<td>716 KG (1576 LBS)</td>
<td>692 KG (1525 LBS)</td>
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</table>

(Obtained from 2005 Tire and Rim Association Yearbook)

Vehicle Load on the Tire is not greater than the Tire Load Rating at the Tire Recommended Inflation Pressure

<table>
<thead>
<tr>
<th></th>
<th>Front Tires [(2) &lt; (3)]</th>
<th>Rear Tires [(2) &lt; (3)]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PASS/FAIL</td>
<td>PASS</td>
</tr>
</tbody>
</table>

NOTE: Section E should be repeated for every different load/tire inflation pressure condition displayed.

REMARKS:

RECORDED BY: signature  DATE: 05/25/05

APPROVED BY: signature
DATA SHEET 4
TIRE INFORMATION LABEL OR PLACARD

VEHICLE MAKE/MODEL/BODY STYLE: 2005 ACURA RL PASSENGER CAR
VEHICLE NHTSA NO.: C55300; VIN: JH4KB165050; LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/25/05

A. Description of Placard: Self Adhesive decal – Red, Black
Yellow and White

B. Description of Placard Location: Driver’s “B” pillar

Permanently Affixed
(X) YES ( ) NO

C. Enter information from Placard:

Vehicle Capacity Weight - 388 KG (850 LBS)

Designated Seating Capacity (DSC) - 5
Expressed In—
(1) Total No. of Occupants
(X) Yes ( ) No
(2) Terms of Occupants for Each Seat Location
(X) YES ( ) NO

Manufacturer’s Recommended Cold Tire Inflation Pressure
for Maximum Load Vehicle Weight:

FRONT - 220 kPa (32 psi) REAR - 210 kPa (30 psi)

All Other Recommended Inflation Pressures:
None

All Other Recommended Loading Conditions:
None

Manufacturer’s Recommended Size Designation:
P245/50R17

All Other Manufacturer’s Recommended Size Designation:
NONE

DATA CORRECTLY DISPLAYED
Pass
D. For Every Inflation Pressure Listed Above Indicate:

(1) Less than Maximum? (YES/NO) Yes ________ Pass ________
(2) Loading Condition Stated? (YES/NO) Yes ________ Pass ________

DATA INDICATES COMPLIANCE (X) YES ( ) NO

REMARKS:

RECORDED BY: [Signature] DATE: 05/25/06
APPROVED BY: [Signature]
DATA SHEET 5
VEHICLE TIRE DATA

VEHICLE MAKE/MODEL/BODY STYLE: 2006 ACURA RL PASSENGER CAR
VEHICLE NHTSA NO.: C55300; VIN: JHKB16505C0000000
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/25/05

All tires on the vehicle are the same size: (Yes/No) Yes

INFORMATION FROM TIRE SIDEWALL:

<table>
<thead>
<tr>
<th></th>
<th>Front Axle (R.F. Tire)</th>
<th>Rear Axle (L.R. Tire)</th>
<th>Spare</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tire Size Designation</td>
<td>P245/50R17</td>
<td>P245/50R17</td>
<td>T155/70R17</td>
</tr>
<tr>
<td>Tire Load Index/Speed Symbol</td>
<td>98V</td>
<td>98V</td>
<td>110M</td>
</tr>
<tr>
<td>Maximum Inflation Pressure</td>
<td>300 kPa (44 psi)</td>
<td>300 kPa (44 psi)</td>
<td>420 kPa (60 psi)</td>
</tr>
<tr>
<td>Maximum Load Rating</td>
<td>750 KG (1653 LBS)</td>
<td>750 KG (1653 LBS)</td>
<td>1080KG (2337LB)</td>
</tr>
<tr>
<td>Mfr. Name or Brand &amp; Code</td>
<td>MICHELIN</td>
<td>MICHELIN</td>
<td>MICHELIN</td>
</tr>
<tr>
<td>Tube or Tubeless</td>
<td>Tubeless</td>
<td>Tubeless</td>
<td>Tubeless</td>
</tr>
<tr>
<td>Treadwear/Traction/Temp. Grades</td>
<td>300-A-A</td>
<td>300-A-A</td>
<td>N/A</td>
</tr>
<tr>
<td>Sidewall (Plies &amp; Composition)</td>
<td>2 polyester</td>
<td>2 polyester</td>
<td>2 nylon</td>
</tr>
<tr>
<td>Tread (Plies &amp; Composition)</td>
<td>2 polyester</td>
<td>2 polyester</td>
<td>3 nylon</td>
</tr>
<tr>
<td></td>
<td>1 polyamide</td>
<td>1 polyamide</td>
<td></td>
</tr>
<tr>
<td></td>
<td>2 steel</td>
<td>2 steel</td>
<td></td>
</tr>
<tr>
<td>Serial Number:</td>
<td>DOT B9LM JHMX 4704</td>
<td>DOT B9LM JHMX 4704</td>
<td></td>
</tr>
<tr>
<td>Left Front -</td>
<td>DOT B9LM JHMX 4704</td>
<td>DOT B9LM JHMX 4704</td>
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<tr>
<td>Right Front -</td>
<td>DOT B9LM JHMX 4704</td>
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<td>Left Rear -</td>
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<td>DOT B9LM JHMX 4704</td>
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</tr>
<tr>
<td>Spare -</td>
<td>DOT EHVO BEBO 205</td>
<td>DOT EHVO BEBO 205</td>
<td></td>
</tr>
</tbody>
</table>

Tires have "DOT" markings: (X) YES ( ) NO

REMARKS:

RECORDED BY: [Signature] DATE: 05/26/05

APPROVED BY: [Signature]
DATA SHEET 8
RIM DIMENSIONS

VEHICLE MAKE/MODEL/BODY STYLE: 2005 ACURA RL PASSENGER CAR
VEHICLE NHTSA NO.: C55300 ; VIN: JH4KB16505C_______
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/28/05

A. Rim Size & Flange

<table>
<thead>
<tr>
<th>Tire Size</th>
<th>Spec'd Rims</th>
<th>Measured Width of Rims</th>
<th>Measured Height of Rims</th>
<th>PASS/FAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Right Front: P245/50R17</td>
<td>7.0 to 8.5J</td>
<td>8.0&quot;</td>
<td>17&quot;</td>
<td>Pass</td>
</tr>
<tr>
<td>Left Rear: P245/50R17</td>
<td>7.0 to 8.5J</td>
<td>8.0&quot;</td>
<td>17&quot;</td>
<td>Pass</td>
</tr>
</tbody>
</table>

REFERENCE USED: 2005 Tire and Rim Association Yearbook

B. Trade Stamps, Marks, Symbols: 780B, SJA, 55. 1 15 05

Rim Manufacturer's Name or Label: HONDA MOTOR
Other Rim/Wheel Marking: 17 x 8J

Rim Inspection Comments: Rim made for Tire Pressure Monitoring System. The TPM sensor attached to the rim is integrated with the valve stem.
Tire Inspection Comments: None
Wheel/Rim Construction (i.e., welded, one piece, cast, deep dish, etc.)
One piece cast aluminum

DATA INDICATES COMPLIANCE: (X) YES ( ) NO

REMARKS:

RECORDED BY: _______ 
DATE: 05/28/05

APPROVED BY: _______
DATA SHEET 7
DEFLATED TIRE RETENTION

VEHICLE MAKE/MODEL/BODY STYLE: 2005 ACURA RL PASSENGER CAR
VEHICLE NHTSA NO.: C55300 VI#: JH4K9165050
LABORATORY: GENERAL TESTING LABORATORIES
TEST DATE: 05/27/05

Tire Pressures:

<table>
<thead>
<tr>
<th>Tire Type</th>
<th>Pressure (kPa) (32 psi)</th>
<th>Pressure (kPa) (30 psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF</td>
<td>220</td>
<td>210</td>
</tr>
<tr>
<td>RF</td>
<td>220</td>
<td>210</td>
</tr>
</tbody>
</table>

Test Weight (should be the same weight and distribution recorded on Data Sheet 3 Section D.5):

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight (kg) (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF</td>
<td>616 (1368 lbs)</td>
</tr>
<tr>
<td>LR</td>
<td>525 (1158 lbs)</td>
</tr>
<tr>
<td>RF</td>
<td>578 (1277 lbs)</td>
</tr>
<tr>
<td>RR</td>
<td>493 (1086 lbs)</td>
</tr>
<tr>
<td>Front Axle</td>
<td>1195 (2635 lbs)</td>
</tr>
<tr>
<td>Rear Axle</td>
<td>1018 (2244 lbs)</td>
</tr>
</tbody>
</table>

TOTAL VEHICLE 2213 kg (4879 lbs)

Description of Weight Distribution: Seal bags in front passenger seat, rear seat and trunk.

A. Retention Test Left Front:

Odometer (START): 8 km (5 miles) Fuel Level: Full

Tire Pressure: 220 kPa (32 psi)

Ambient Temperature: 26.6 degrees C (80 F)

Wind Speed: 3.2 kmph (2.0 mph)

Size of Deflation Opening: 2.5 cm (1.0 in.) in diameter

Speed: 98.8 kmph (60.2 mph)

Deceleration Rate: 1.52 – 2.13 m/s² avg. (5-7 ft/s²)

Distance Traveled After Initial Release of Air: 322 m (1056 ft)

Distance of Deviation: < .3 m (<1 ft)

Description of Bead Separation, Outboard: None

Description of Bead Separation, Inboard: None
DATA SHEET 7 continued
DEFLATED TIRE RETENTION

B. Retention Test Right Rear:

Odometer (START): 13 km (8 miles)  Fuel Level: Full

Tire Pressure: 210 kPa (30 psi)

Ambient Temperature: 26.6 degrees C (80 F)

Wind Speed: 3.2 kmph (2 mph)

Size of Deflation Opening: 2.5 cm (1.0 in.) in diameter

Speed: 96.6 kmph (60.0 mph)

Deceleration Rate: 1.82 - 2.13 m/psps avg. (6-7 fpsps)

Distance Traveled After Initial Release of Air: 270 m (887 ft)

Distance of Deviation: < 3 m (<1 ft)

Description of Bead Separation, Outboard: None

Description of Bead Separation, Inboard: None

NOTE: No rotation of tire on rim

C. REMARKS: (Stability, Control, Suspension, etc.)

Good control, normal stopping

PASS/FAIL

Left Front  Pass
Right Rear  Pass

DATA INDICATES COMPLIANCE:  (X) YES  ( ) NO

REMARKS:

RECORDED BY:  DATE: 05/31/05

APPROVED BY:  D. M.

15
<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>DESCRIPTION</th>
<th>MODEL/ SERIAL NO.</th>
<th>CAL. DATE</th>
<th>NEXT CAL. DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAD SCALES</td>
<td>#1 199744LF</td>
<td>199744LF</td>
<td>07/04</td>
<td>07/05</td>
</tr>
<tr>
<td></td>
<td>#2 199744RF</td>
<td>199744RF</td>
<td>07/04</td>
<td>07/05</td>
</tr>
<tr>
<td></td>
<td>#3 199744LR</td>
<td>199744LR</td>
<td>07/04</td>
<td>07/05</td>
</tr>
<tr>
<td></td>
<td>#4 199744RR</td>
<td>19974RR</td>
<td>07/04</td>
<td>07/05</td>
</tr>
<tr>
<td>PRESSURE TRANSDUCER</td>
<td>BLH</td>
<td>D-HF #85409</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>SURFACE LEVEL</td>
<td>STANLEY</td>
<td>841188</td>
<td>06/05</td>
<td>05/06</td>
</tr>
<tr>
<td>DATA ACQUISITION COMPUTER</td>
<td>GEO1</td>
<td>N/A</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>ANEMOMETER</td>
<td>HASTINGS</td>
<td>RM-1</td>
<td>05/05</td>
<td>06/08</td>
</tr>
<tr>
<td>SLIP RING ASSEMBLY</td>
<td>GTL</td>
<td>N/A</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>DECELEROMETER</td>
<td>GTL</td>
<td>N/A</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
<tr>
<td>INCLINOMETER</td>
<td>STARRETT</td>
<td>002</td>
<td>05/05</td>
<td>05/06</td>
</tr>
<tr>
<td>VBOX</td>
<td>RACELOGIC</td>
<td>VB2 #004337</td>
<td>BEFORE USE</td>
<td>BEFORE USE</td>
</tr>
</tbody>
</table>
TIRE SHOWING CONSTRUCTION

Figure 5.10

POLYAMIDE POLYESTER
SPECIAL WALL PLIES^.

STRENGTHENED POLYESTER
SECTION 8
TEST PLOTS