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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 \$111 (NVS-220)
WASHINGTON, D.C. 20000

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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 Testing Laboratories, Inc (GTL) Test Procedure, TP-110-02 dated 22 May 2002.

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 25 through May 31, 2005.

SECTION 2

TEST PROCEDURE AND SUMMARY OF RESULTS

2.0 GENERAL

The 2005 Acura RL 4-door passenger car, NHTSA No. C55300, 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 axies 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 AÇURA RL PASSENGER VEHICLE NHTSA NO.: C55300 ; VIN: JH4KB16505C	CAR
LABORATORY: GENERAL TESTING LABORATORIES	
TEST DATE:05/25/05	
REQUIREMENT	PASS/FAIL
TIRE LOAD LIMITS AND PLACARD	
The vehicle is equipped with tires that meet the requirements of FMVSS 109. (FMVSS 110, S4.1)	<u>PASS</u>
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)	<u>PASS</u>
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))	<u>PASS</u>
Statement of indication of compliance or noncompliance to FMVSS 110. THE ACURA RL APPEARS TO COMPLY WITH THE REQUIREMENTS FMVSS 110.	and data reference: S OF
REMARKS:	
RECORDED BY: DATE: 05/3	1/05

DATA SHEET 2 TEST VEHICLE INFORMATION/RECEIVING INSPECTION

LABORATORY: GENERAL T	ESTING LABORATOR	<u>ies</u> date: <u>05/2</u>	5/05		
VEHICLE MODEL YEAR/MA	KEMIODEL/BODY STY	LE: 2005 ACURA RL			
MANUFACTURE DATE: 01/	05_ NHTSA NO.: <u>C66</u>	300 BODY COLOR: GF	<u>EY</u>		
VIN: JH4KB16505C	VEHICLE T	YPE: PASSENGE	R CAR		
GVWR <u>2260</u> kg (4980 lbs)	GAWR(Fr) 1215 kg (2680 lbs) GAWR(Rr)_	<u>1080</u> kg (23	80 lbs)	
BELTED SEATING POSITIO	NS: FRONT2	MIDN/A REA	R3	OTHER	N/A
ENGINE DATA:	6 Cylinders	<u>3,5</u> Liters	Cub	ic inches	
TRANSMISSION DATA:	X Automatic	Manual	<u>5</u> _No.	of Speeds	
FINAL DRIVE DATA:	Rear Drive	Front Drive	_X_4W	heel Drive	
INSTALLED TIRE DATA: SE	ze - <u>P245/50R17</u>	Mfr.	- MICHEL	IN	
CHECK APPROPRIATE BOX	XES FOR VEHICLE EQ	UIPMENT/MAKE SURE	ALL OPTIONS	S ON WINDO	W

Х	Air Conditioning		Traction Control	X	Clock
X	Tinted Glass	×	All Wheel Drive	 	Roof Rack
X	Power Steering	×	Cruise Control	×	Consolie
Х	Power Windows	x	Rear Window Defroster	×	Driver Air Beg
X	Power Door Locks	†	Sun Roof or T-Top	X	Paseenger Air Bag
x	Power Seat(s)	 x	Techometer	x	Front Disc Brakes
X	Power Brakes	x	Till Steering Wheel	X	Rear Disc Brakes
X	Antilock Brake System	x	AM/FM/CD	_	Other -

REMARKS:

RECORDED BY:

APPROVED BY:

DATE: 05/25/05

DATA SHEET 3 CURB WEIGHT WITH OPTIONS, NORMAL LOAD, VEHICLE MAXIMUM LOAD

VEHICLE MA	INE/MODEL/E ITSA NO.: (C55300	: VI	N: JH4KB16	SSENGER SSOSC	<u> </u>
LABORATOR	Y: GENERAL	TESTING	LABORAT	ORIES		<u> </u>
	05/25/05		<u></u>			
Cult Child Law	rala-					
Full Fluid Lev Fuel <u>Full</u>	reis. _; Coolar	nt_ <u>Full</u>	; 0	ther Fluids	Full	_
Tire Pressure): LF	220 KP/	4 (32 psl)	LR <u>2</u>	10 KPA (30 psl)
	RF	220 KP/	4 (32 psi)	RR2	10 <u>KPA (</u>	<u>30 psl)</u>
A. MEASURI	ED CURB WE	IGHT WIT	H INSTALLE	D OPTIONS	AND ACC	ESSORIES
LF	534	KG (1178	LB)	LR3	91 KG (8	62 LB)
RF	534 525	KG (1157	<u>LB)</u>	RR 3	79 KG (8	35 LB)
						KG (1697 LB)
	т	otal Vehic	le <u>182</u>	9 KG (4032	LB)	
B. VEHICLE	NORMAL LO	AD ON TH	E TIRE			
(1)	Seating Capa	acity (from	Tire Informa	tion Placard)	=	5
(2)	Normal Load	# of Occu	pants from F	MVSS 110, 1	Γable I	3
	Occupant Dis	itribution:		at- <u>2</u> Seat - <u>N/A</u> Fo		
(3)	Total Normal (# of occupar				LB)	
(4)	Measured No	rmal Load	on Axles			
	LF584	KG (1287	LB)	LR4	43 KG (977 LB)
	RF <u>572</u>	KG (1261		RR4	34 KG (957 LB)
	Frt Axle	1156 KG	(2548 LB)	Rr Axle	877	KG (1934 LB)
	٦	Total Vehic	de <u>20</u> 3	33 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 (967 LB)
- (6) High Speed Test Load from FMVSS 109 (S5.5)

	Front	Rear
Installed Tire Size	P245/50R17	P245/50R17
Max. Load Rating on Sidewall	750 KG(1653 LBS)	750 KG(1653 LBS)
High Speed Test Load (88% of sidewall max. load rating)	660 KG(1455 LBS)	660 KG(1455 LBS)
Optional Tire Size(s)	NONE	NONE.
Max. Load Rating on Sidewall (Obtain from approved reference man	N/A ual)	N/A
High Speed Test Load (88% of sidewall max. load rating)	N/A	N/A

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

Installed Tires; [(5) < (6)]	Front Tires Rear Tires	PASS/FAIL PASS PASS	
Optional Tires;	Front Tires	N/A	
[(5) < (6)]	Rear Tires	N/A	

C. MEASURED VEHICLE WITH FULL OCCUPANT LOAD

LF	619 KG (1364 LB)	LR <u>498 KG (1097 LB)</u>
RF	582 KG (1283 LB)	RR <u>471 KG (1038 LB)</u>
Front Axle_	1201 KG (2647 LB)	Rear Axle 988 KG (2135 LB)

Total Vehicle 2169 KG (4782 LB)

DATA SHEET 3 - CONTINUED

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 88 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_	4 <u>93</u>	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 axie max. load/2)= 600 KG (1322 LB)
 Rear Tires (measured rear axie max. load/2)= 508 KG (1120 LB)
- (7) Meximum 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 (obtain from approved reference manu	N/A	N/A

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

Installed Tires;	Front Tires	PASS
[(6) < (7)]	Rear Tires	PASS
Optional Tires;	Front Tires	N/A
[(6) < (7)]	Rear Tires	N/A

DACC/EAH

DATA SHEET 3 - CONTINUED

E. VEHICLE LOAD ON THE TIRE FOR	OTHER DISPL	AYED LOAD	AND TIRE IN	IFLATION
PRESSURE CONDITIONS				

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

 Vehicle at maximum load of 2214 kg (4882 ibs) with P245/50R17 tire at

 220 kPa (32 psi) front and 210 kPa (30 psi) on tire label.
- (2) Condition Load on Tire/Axie

LF_	617	KG (1360	LB)	LR_	523	KG (1153 LB)
RF	582	KG (1283	LB)	RR	493	KG (1086 LB)

Total Vehicle 2214 KG (4882 LB)

(3) Load Rating of Tire at Recommended Inflation Pressure

	Front	Rear
Displayed Tire Size	P245/50R17	P245/50R17
Recommended Inflation Pressu	ire <u>220 kPa (32 psi)</u>	210 kPa (30 pai)
Tire Load Rating (obtained from 2005 Tire and Rim As	715 KG (1576 LBS) ecclation Yearbook)	692 KG (1525 LBS)

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

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

REMARKS:

APPROVED BY: APPROVED BY:

DATE: 05/25/05

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DATA SHEET 4 TIRE INFORMATION LABEL OR PLACARD

/EHI(CLE MAKE/MODEL/BODY STYLE: 2005 ACURA RL PASSENGER CAR CLE NHTSA NO.: C55300 ; VIN: JH4KB16505(<u>-</u>
_abo	RATORY; GENERAL TESTING LABORATORIES	
TEST	DATE:05/25/05	 -
Ą.	Description of Placard: Self Adhesive decal – Red, Black Yellow and White	PASS/FAIL Pass
В.	Description of Placard Location: <u>Driver's "B" pillar</u>	Pass
	Permanently Affixed (X) YES () NO	
C.	Enter Information from Placard:	
	Vehicle Capacity Weight <u>386 KG (850 LBS)</u>	
	Designated Seating Capacity (DSC)5	Pass
	(1) Total No. of Occupants (X) Yes () No (2) Terms of Occupants for Each Seat Location (X) YES () NO	Pass
	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	_
	Menufacturer's Recommended Size Designation: P245/50R17	_
	All Other Manufacturer's Recommended Size Designation: NONE	_
	DATA CORRECTLY DISPLAYED	Pass

DATA SHEET 4 continued

PASS/FAIL

D. For Every Inflation Pressure Listed Above Indicate:

(1) Less than Maximum?(2) Loading Condition Stated?

(YES/NO) (YES/NO) Yes_

Pass Pass

DATA INDICATES COMPLIANCE

(X) YES

() NO

REMARKS:

RECORDED BY:

APPROVED BY:

DATE:_

05/25/06

DATA SHEET 5 VEHICLE TIRE DATA

VEHICLE MAKE/MODEL/BODY STYLE: 2005 ACURA RL PASSENGER CAR VEHICLE NHTSA NO.: C55300 ; VIN: JH4KB16505C LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 05/25/05						
All tires on the vehicle are the same size: (Yes/No) Yes						
INFORMATION FRO	M TIRE SID	EWALL:		•		
Tiro Sizo Bealangting	_	Front Axie (R.F. Tire) P245/50R17		Rear Axie (L.R. Tire) P245/50R17	Spare T155/70	ND47
Tire Size Designation	1	P240/00K17		<u> </u>	1100/10	<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
Tire Load Index/Spec	ed Symbol	<u>9</u> 8V		<u>98V</u>	<u>110M</u>	
Maximum Inflation P	ressure	300 kPa (44	pal)	300 kPa (44 pa	si) 420 kPa	e(60psl)
Meximum Load Ratin	ng	750 KG (185	3 LBS)	750 KG(1653	LBS) <u>1060KG</u>	(2337LB)
Mfr. Name or Brand	& Code	MICHELIN		MICHELIN	MICHE	LIN
Tube or Tubeless		Tubeless		Tubeless	<u>Tubeles</u>	<u>ss</u>
Treadwear/Traction/ Grades	Temp.	300-A-A		300-A-A	N/A .	
Sidewall (Piles & Cor	mposition)	2 polyester		2 polyester	<u>2 nylon</u>	
Tread (Plies & Comp	oosition)	2 polyester 1 polyamid 2 steel		2 polyester 1 polyamid 2 steel	3 nylon	
	Right Front - Left Rear -	DOT B9LM DOT B9LM DOT B9LM DOT B9LM DOT EHVO	JHMX 4704 JHMX 4704 JHMX 4704	- - - -		
Tires have "DOT" ma	arkings:	(X) Y	ÆS	() NO		-
REMARKS:	11/11/11	man) _ dati	E: <u>05/26/0</u>) 5	

DATA SHEET 6 RIM DIMENSIONS

LABOF TEST	RATOR DATE:		i300 ;VIN: JH ESTING LABORAT		· · · · · · · · · · · · · · · · · · ·	
		Tire Stze	Specfd. Rims	Measured Width of Rims	Measured Height of Rims	PASS/ FAIL
Right F		P245/50R17 P245/50R17	7.0 to 8.5J 7.0 to 8.5J	8.0" 8.0"	17° 17°	Pass Pass
	REFE	RENCE USED: 2	2005 Tire and RIm /	\ssociation Year	book	_
В.	Trade	Stamps, Marks,	Symbole: 780B, S	JA, 55, 1 15 05		_
	Rim M	anufacturer's Na	me or Label: <u> </u>	ONDA MOTOR		_
	Other	Rim/Wheel Mark	ing: 17 x 8J			_
	Rim in Syste stem.	spection Comme m. The TPM ser	ents: <u>Rim made for</u> nsor attached to the	Tire Pressure M rim is integrate	onitoring d with the valv	<u>*8</u>
	Tire in	spection Comme	ents: None			
		VRIm Construction	on (i.e., welded, one num	plece, cest, de	ep dish, etc.)	
DATA	INDIC	ATES COMPLIA	NCE: (X) Y	ES ()NO		
REMA	ARKS:					
. — .	ORDED ROVED	7 8	ssul	DATE:	05/26/05	_

DATA SHEET 7 DEFLATED TIRE RETENTION

VEHICLE MAKE/MODEL/BODY STYLE: 2005 ACURA RL PASSENGER CAR VEHICLE NHTSA NO.: C55300 ;VIN: JH4KB165050 LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 05/27/05
Tire Pressures: LF <u>220 kPa (32 psi) LR 210 kPa (30 psi)</u> (cold) RF <u>220 kPa (32 psi) RR 210 kPa (30 psi)</u>
Test Weight (should be the same weight and distribution recorded on Data Sheet 3 Section D.5
LF <u>616</u> kg (1358 lb) LR <u>525</u> kg (1158 lb) RF <u>579</u> kg (1277 lb) RR <u>493</u> kg (1086 lb) Front Axie <u>1195</u> kg (2635 lb) Rear Axie <u>1018</u> kg (2244 lb) TOTAL VEHICLE <u>2213</u> kg (4879 lb)
Description of Weight Distribution: Sait 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 psl)
Ambient Temperature: <u>26.6</u> degrees C (80 F)
Wind Speed: <u>3.2</u> kmph (2.0 mph)
Size of Deflation Opening: 2.5 cm (1.0 in.) in diameter
Speed:kmph (80.2 mph)
Deceleration Rate: 1.52 - 2.13 mpsps avg. (5-7 fpsps)
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:

DATA SHEET 7 continued DEFLATED TIRE RETENTION

В.	Retention Test Right Rear.	
	Odometer (START):13 _km (8 miles) Fuel	Level: <u>Full</u>
	Tire Pressure: 210 kPa (30 psi)	
	Ambient Temperature: 26.8 degrees C (80 F)	
	Wind Speed: 3.2 kmph (2 mph)	
	Size of Deflation Opening: 2.5 cm (1.0 in.) in diar	neter
	Speed:kmph (60.0 mph)	
	Deceleration Rate: 1.82 - 2.13 mpsps 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	<u>Pass</u>
	Right Rear	Pass
DAT	A INDICATES COMPLIANCE: (X) YES () NO	
REN	MARKS:	
REC	ORDED BY: DATE:_	05/31/05
APF	PROVED BY: N. 11/10/10	

SECTION 4 INSTRUMENTATION AND EQUIPMENT LIST

TABLE 1 - INSTRUMENTATION & EQUIPMENT LIST

TABLE 1 - INSTRUMENTATION & EQUIPMENT LIST						
EQUIPMENT	DESCRIPTION	MODEL/ SERIAL NO.	CAL. DATE	NEXT CAL. DATE		
PAD SCALES	#1 199744LF #2 199744RF #3 199744LR #4 199744RR	199744LF 199744RF 199744LR 19974RR	07/04 07/04 07/04 07/04	07/05 07/05 07/05 07/06 BEFORE		
PRESSURE TRANSDUCER	BLH	D-HF #65409	BEFORE USE_	USE		
SURFACE LEVEL	STANLEY	641186	05/05	05/06		
DATA ACQUISITION COMPUTER	GEO1	N/A	BEFORE USE	BEFORE USE		
ANEMOMETER	HASTINGS	RM-1	05/05	05/08		
SLIP RING ASSEMBLY	GπL	N/A	BEFORE USE	BEFORE USE		
DECELEROMETER	ĞΤL	N/A	BEFORE USE	BEFORE USE		
INCLINOMETER	STARRETT	002	05/05	05/06		
VBOX	RACELOGIC	VB2 #004337	BEFORE USE	BEFORE USE		

SECTION 5 PHOTOGRAPHS

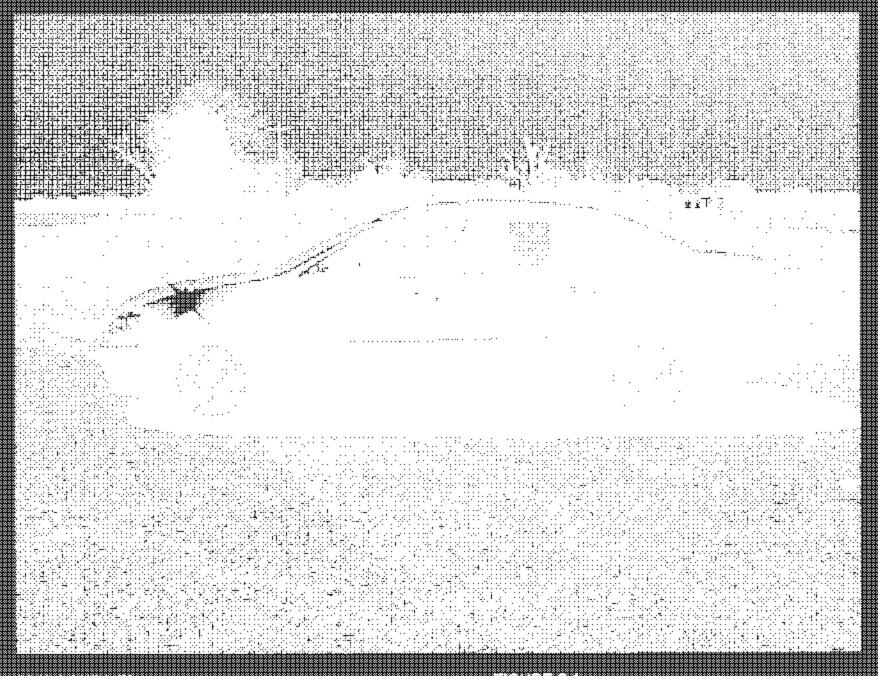


FIGURE 5.1 LEFT SIDE VIEW OF VEHICLE

FIGURE 5.2 RIGHT SIDE VIEW OF VEHICLE



FIGURE 5.3 % FRONTAL VIEW FROM LEFT SIDE OF VEHICLE

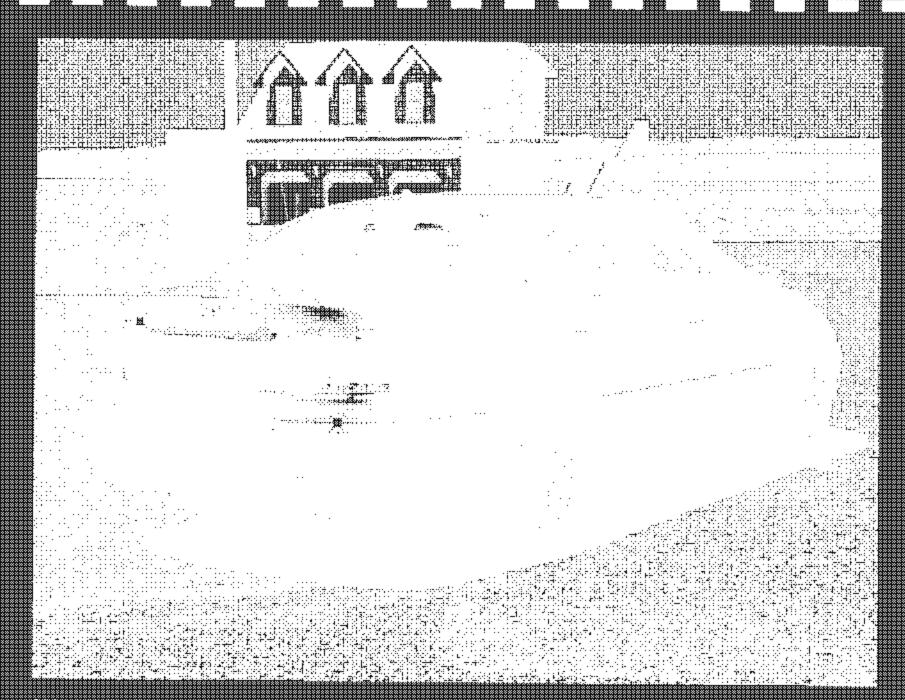


FIGURE 5.4 % REAR VIEW FROM RIGHT SIDE OF VEHICLE

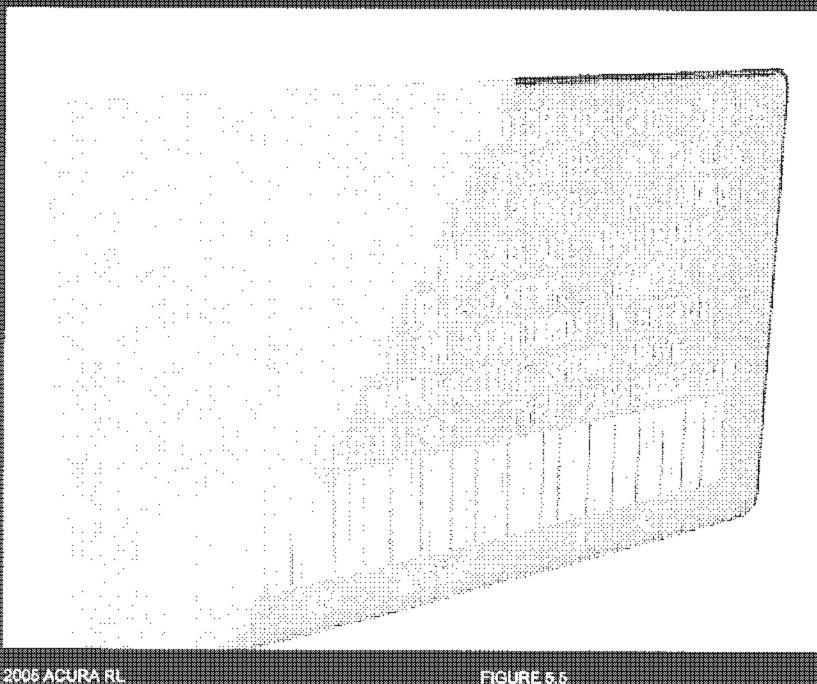
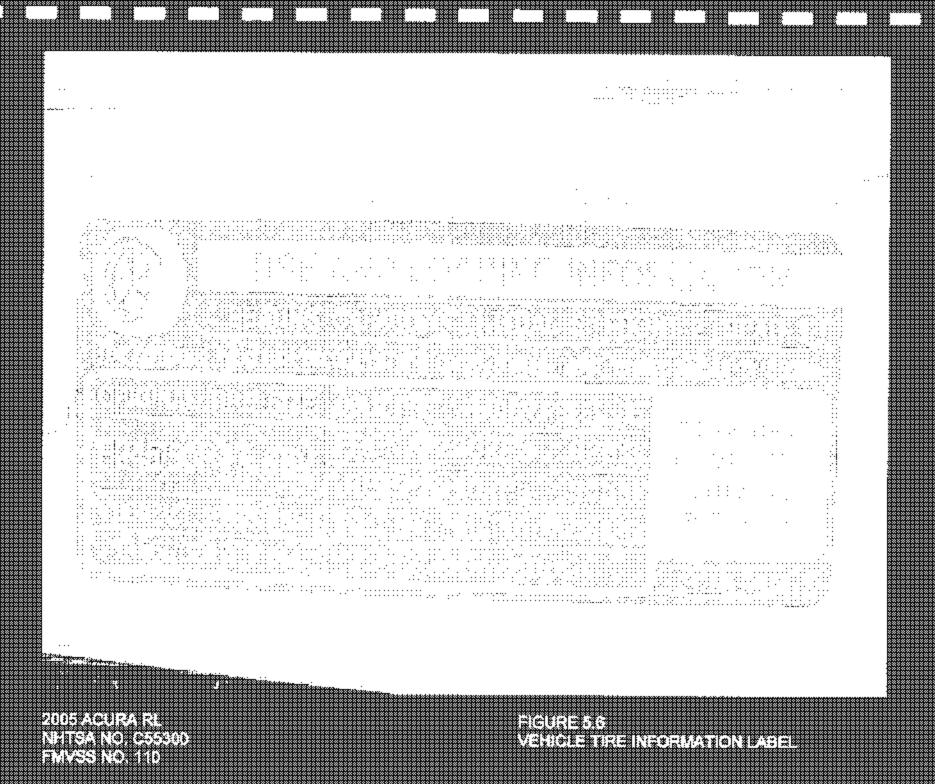


FIGURE 5.5 VEHICLE CERTIFICATION LABEL



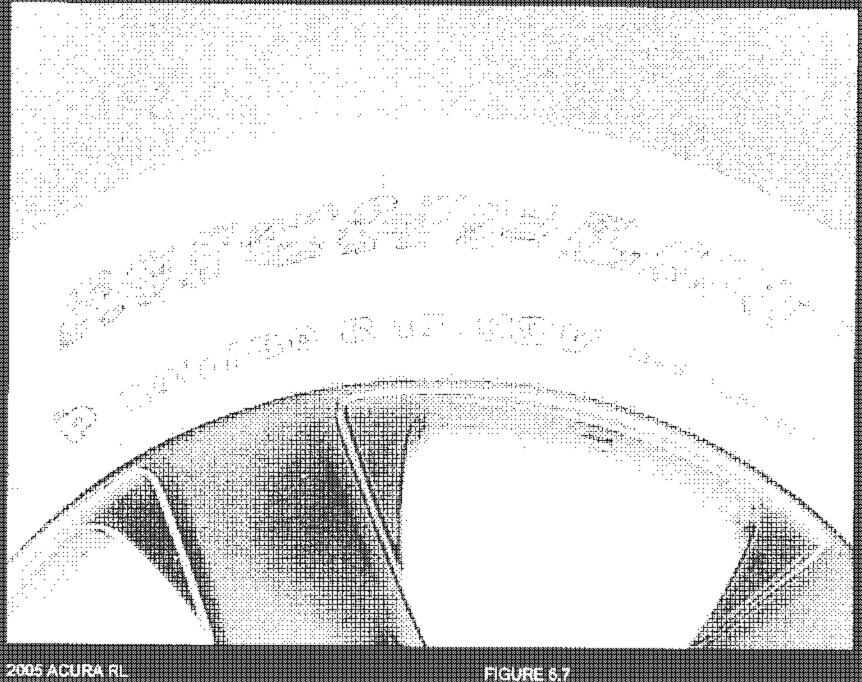


FIGURE 5.7 TIRE SHOWING MANUFACTURER, SIZE, LOAD INDEX AND SPEED SYMBOL



FIGURE 5.8 TIRE SHOWING MAX LOAD RATING AND MAX INFLATION PRESSURE

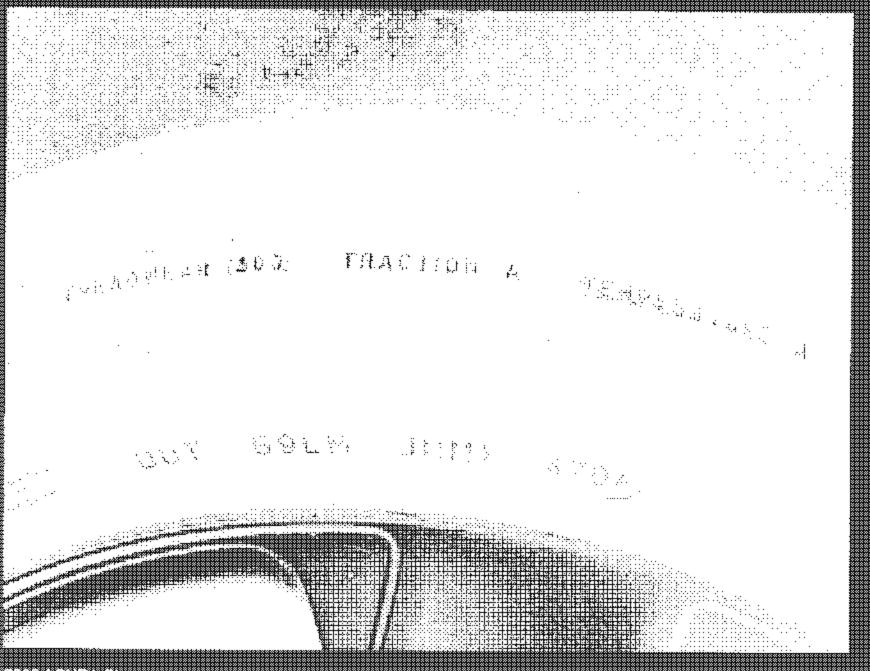


FIGURE 5.9
TIRE SHOWING SERIAL NUMBER, TREADWEAR,
TRACTION AND TEMPERATURE

THEAD PLIES, A PROLYMENT OF THE PROLYMEN 2005 ACURA RL NHTSA NO C55300 FMVSS NO 110 FIGURES 10 TIRE SHOWING CONSTRUCTION

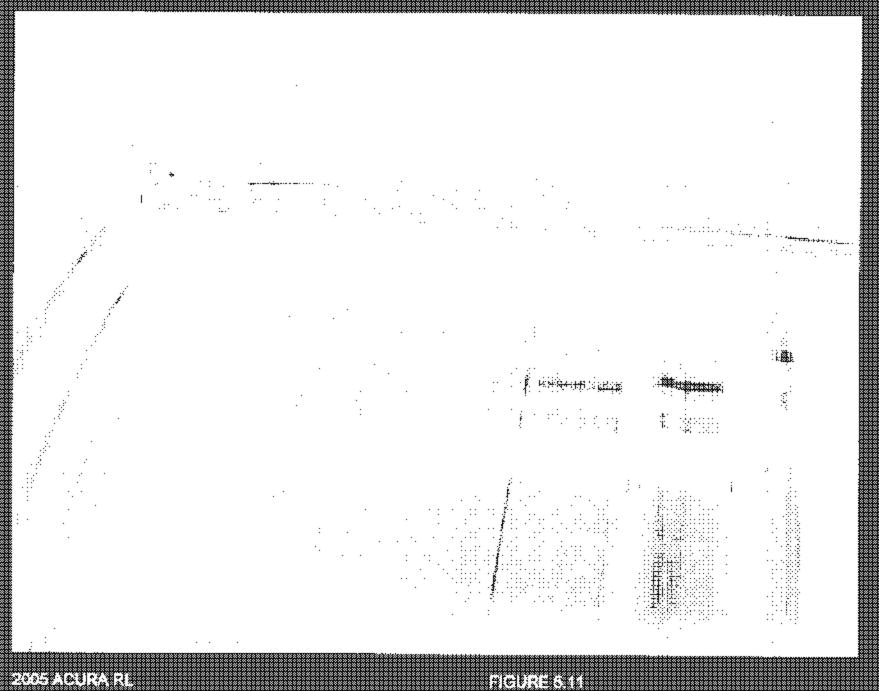
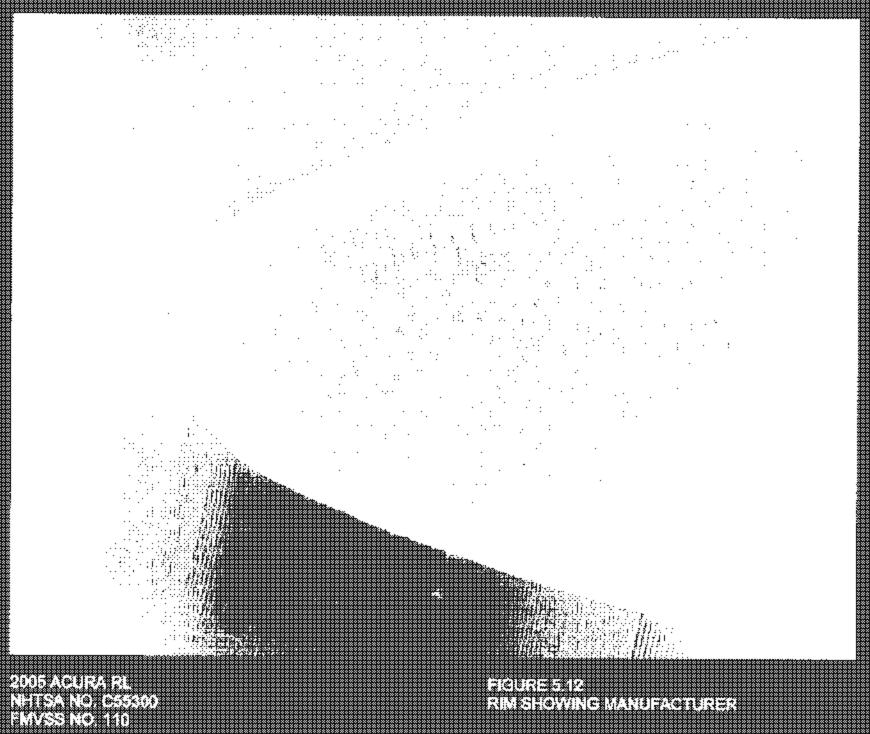


FIGURE 5.11 RIM CONTOUR FOR FULL LENGTH OF RIM CROSS SECTION



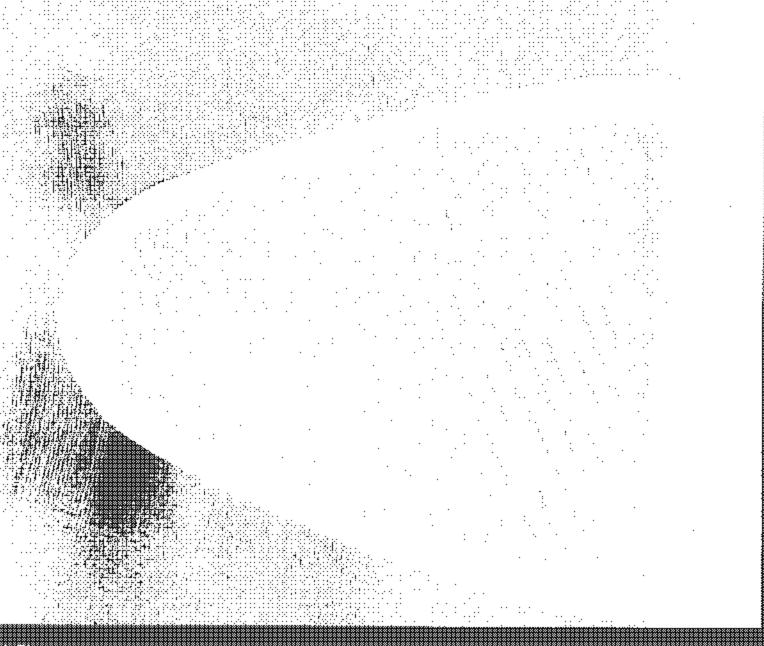


FIGURE 5.13 RIM SHOWING SIZE

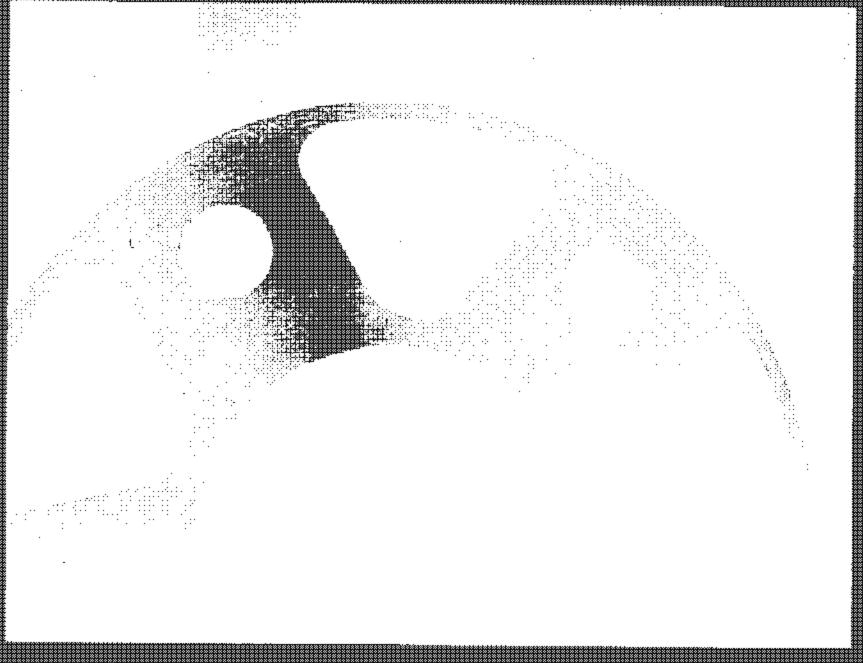


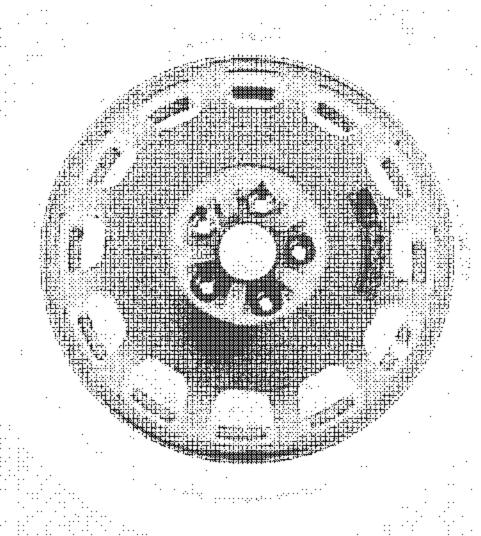
FIGURE 5.14 RIM SHOWING DATE CODE



FIGURE 5.15 OTHER RIM MARKINGS

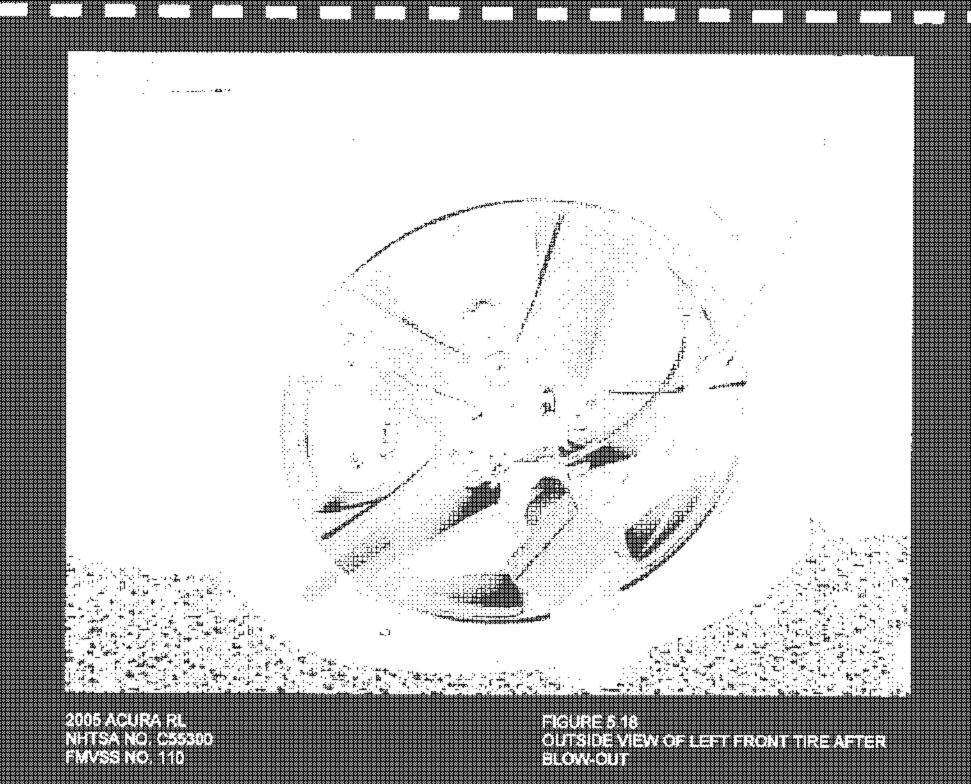
2005 ACURA RL NHTSA NO. 055300 FMVSS NO. 110

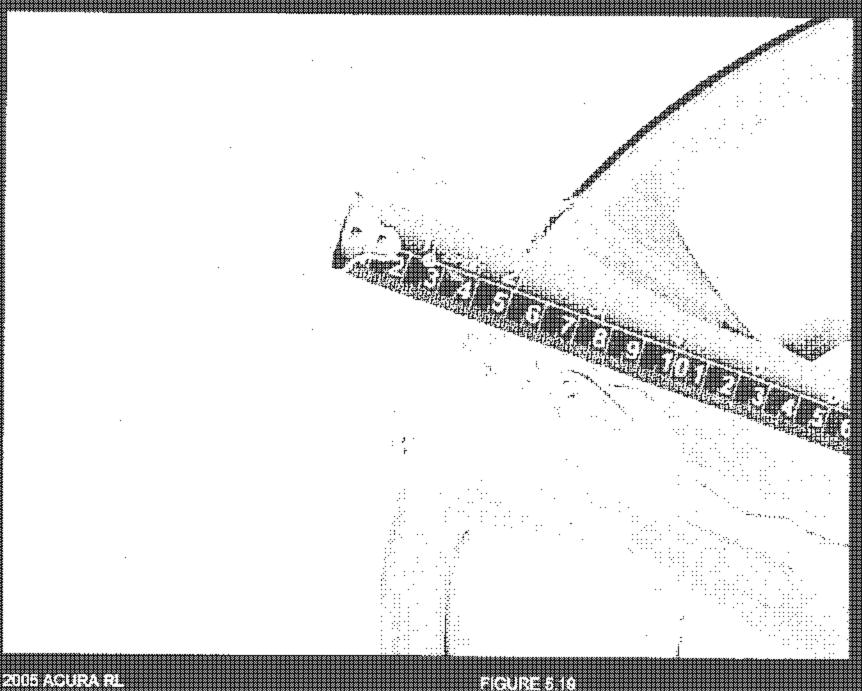
FIGURE 5.16 OTHER RIM MARKINGS



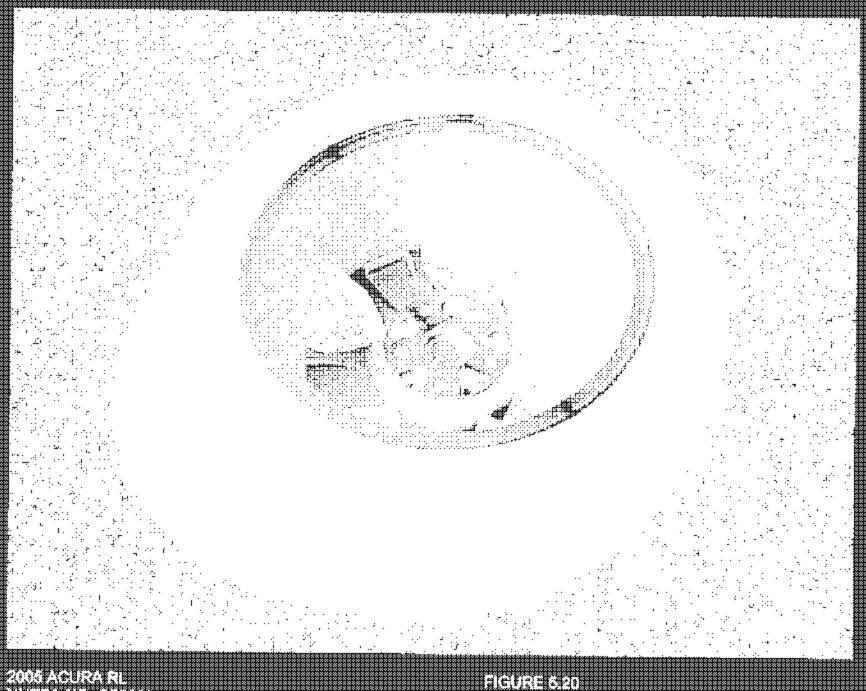
2005 ACURA RL NHTSA NO. C55300 FMVSS NO. 110

FIGURE 5:17 SPARE TIRE AND RIM ASSEMBLY



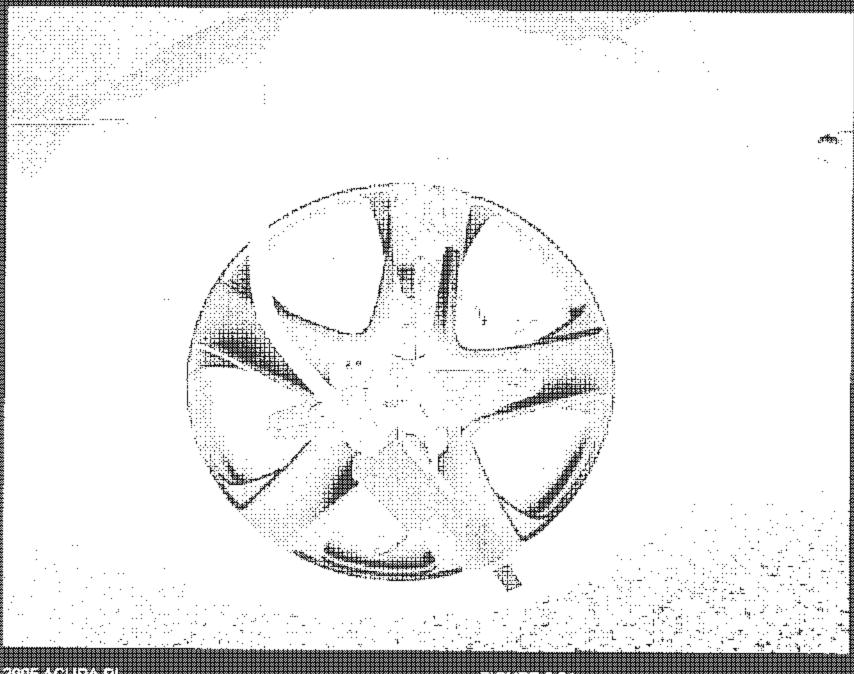


2005 ACURA RL NHTSA NO. 055300 FMVSS NO. 110 FIGURE 5.19 CLOSE-UP OF BLOWN-OUT TIRE WITH RULER NEXT TO HOLE



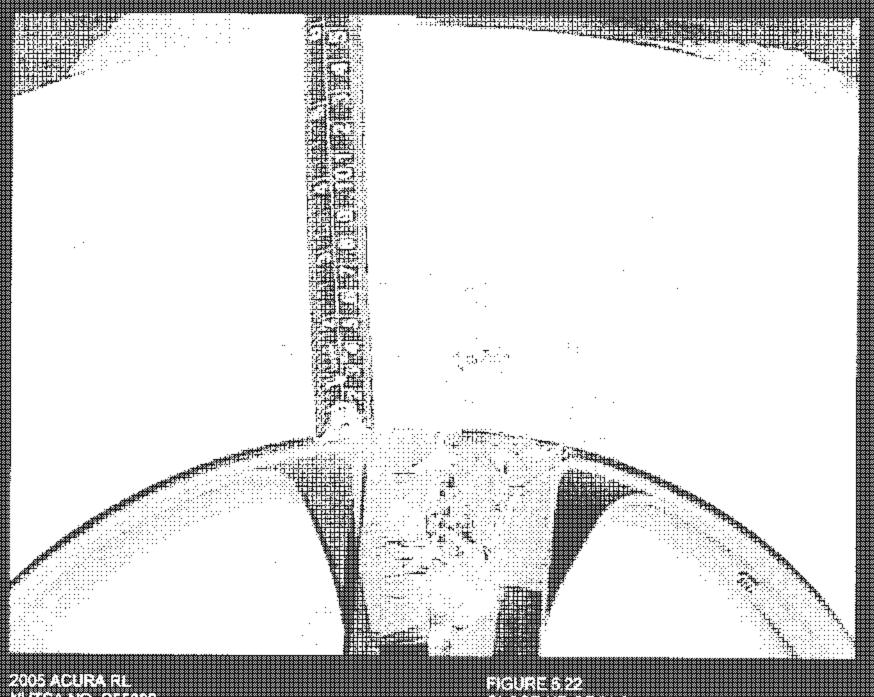
2005 ACURA RL NHTSA NO. C55300 FMV6S NO. 110

FIGURE 5.20 INSIDE VIEW OF LEFT FRONT TIRE AFTER BLOW-OUT



2005 ACURA RL NHTSA NO C55300 FMVSS NO. 110

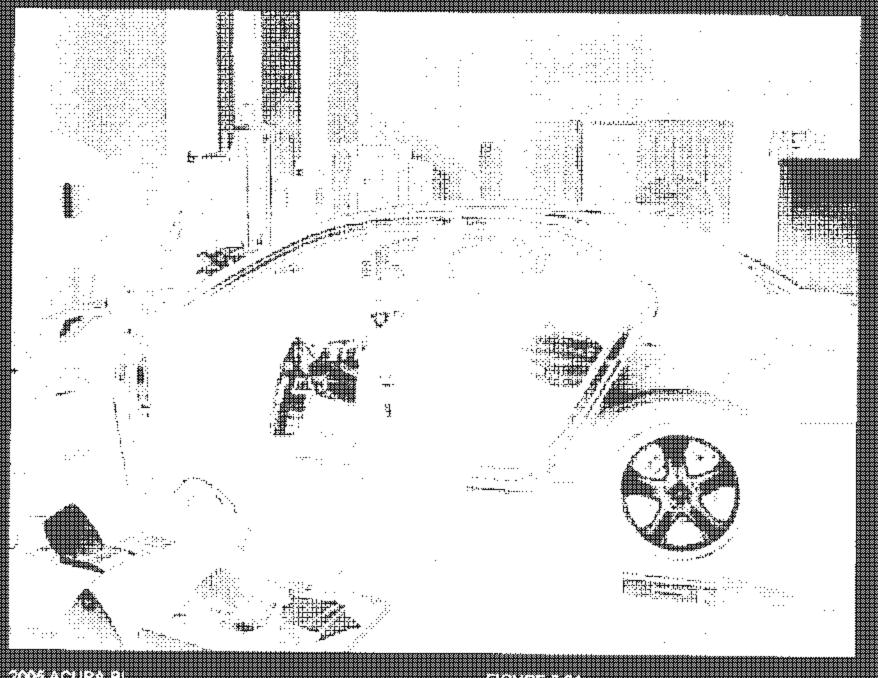
FIGURE 5.21 OUTSIDE VIEW OF RIGHT REAR TIRE AFTER BLOW-OUT



2005 ACURA RL NHTSA NO. C55300 FMVSS NO. 110 FIGURE 5.22 CLOSE-UP OF BLOWN-OUT TIRE WITH RULER NEXT TO HOLE

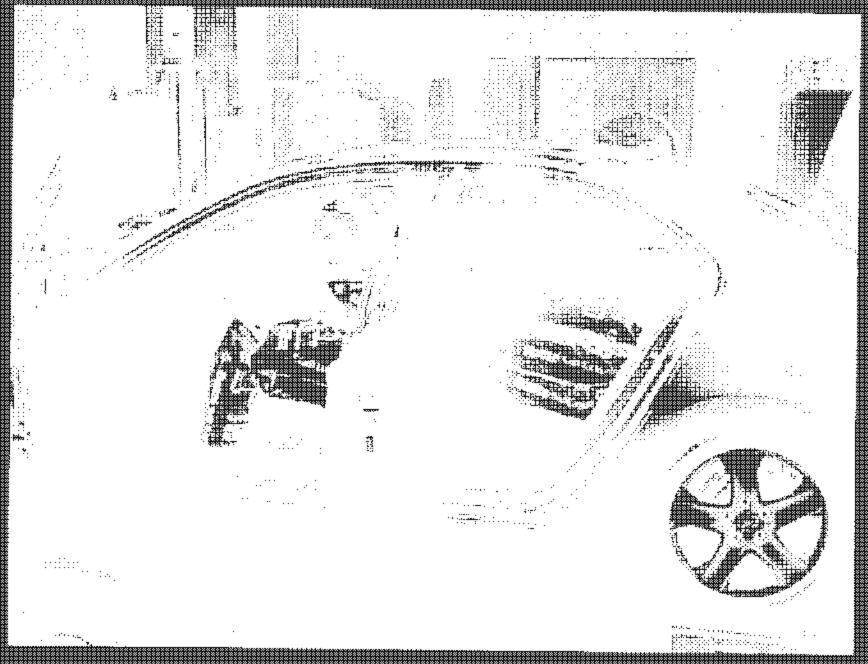


2005 ACURA RL NHTSA NO. C55300 FMVSS NO. 110 FIGURE 5:23 INSIDE VIEW OF RIGHT REAR TIRE AFTER BLOW-OUT



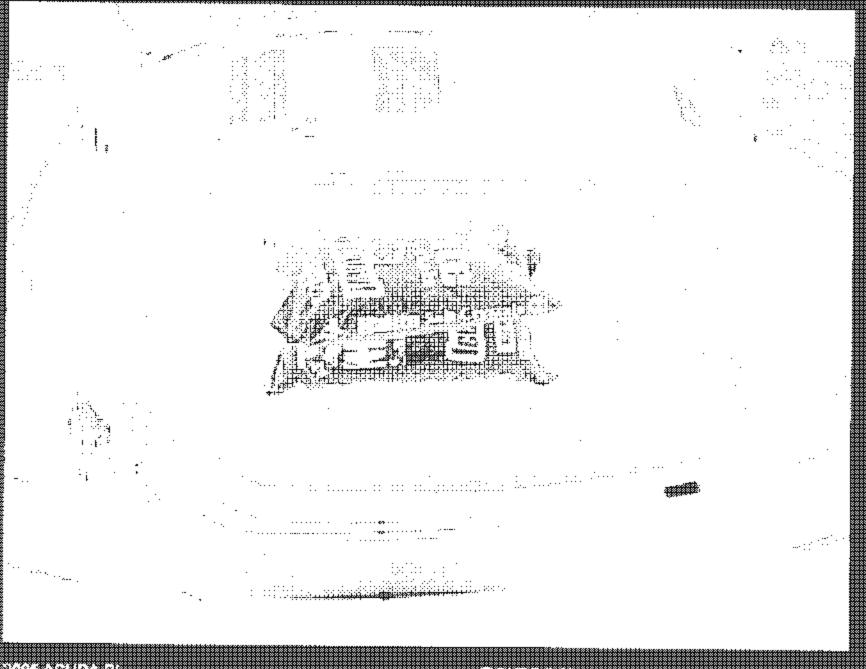
2006 ACURA RL NHTSA NO C65300 FMVSS NO. 110

FIGURE 5.24 VEHICLE ON SCALES AND BALLASTED FOR NORMAL LOAD



2005 ACURA RL NHTSA NO C65300 FMVSS NO 110

FIGURE 5,26 VEHICLE BALLASTED FOR MAXIMUM LOAD



2005 ACURA RL NHTSA NO. C55300 FMVBS NO. 110

FIGURE 5.26 VEHICLE BALLASTED FOR CARGO

SECTION 6 TEST PLOTS

