FINAL REPORT NUMBER 401-NSA-03-001

SAFETY COMPLIANCE TESTING FOR FMVSS 401 Interior Trunk Release

2003 Honda Civic 4-Door
NHTSA No. C35303

Prepared by:
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July 24, 2003

FINAL REPORT

PREPARED FOR:

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Prepared By: _____
Stuart Seigel, Safety Compliance Engineer

Accepted By: _____
Stuart Seigel

Date: _____

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15. Supplementary Notes

16. Abstract

A compliance test was conducted on the subject 2003 Honda Civic 4-Door, NHTSA No. C35303, in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-401-01 for the determination of FMVSS 401 compliance. The test was conducted at Karco Testing Laboratories in Adelanto, California by NHTSA personnel on July 16, 2003. Test failures identified were as follows: NONE

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TABLE OF CONTENTS

1.0 PURPOSE OF COMPLIANCE TEST

The purpose of this compliance test was to determine whether the subject vehicle, a 2003 Honda Civic 4-Door, meets the performance requirements of FMVSS 401, Interior Trunk Release.

The test was conducted in accordance with the U. S. Department of Transportation, National Highway Traffic Safety Administration's Laboratory Test Procedure TP-401-01.

The test was conducted at Karco Testing Laboratories in Adelanto, California on July 16, 2003 by a NHTSA Office of Safety Compliance test engineer.

2.0 TEST PROCEDURE AND DISCUSSION OF RESULTS

Based on the test performed, the 2003 Honda Civic 4-Door, NHTSA No. C35303 appeared to meet the requirements of FMVSS 401.

The vehicle was tested by entering the trunk and closing the lid. The release handle was easily observed in the darkened, enclosed trunk. A force gauge was attached to the release handle and 3 separate attempts were made to exit the trunk by applying a load to the instrument. For each attempt, the trunk released from the single latching position at a force level of 14 newtons (3.1 lbs.) or less.

3.0 COMPLIANCE TEST DATA

DATA SHEET 1

FMVSS 401 - VEHICLE DESCRIPTION

VEHICLE MY/MAKE/MODEL 2003/HONDA / CIVIC

BODY STYLE: 4-DOOR

VEH. NHTSA NO.: C35303 ; VIN: 2HGES15163H510524

DATE OF TEST: 07/16/03 TEST LAB: BY OVSC @ KARCO

GVWR: 1564 KG MANUFACTURED DATE: 10/02

TRUNK LOCATION: REAR X FRONT

If Front, Front Opening? na

NUMBER OF TRUNK LID LATCHING POSITIONS: 1

INTERIOR TRUNK RELEASE: MANUAL X ; AUTOMATIC ;
BOTH -

POWER OPERATED CLOSURE: na

OWNER'S MANUAL DESCRIPTION OF TRUNK RELEASE: YES X
NO

REMOVABLE EQUIPMENT DELIVERED IN TRUNK:

SPARE TIRE: X (SIZE) T115/70D1488M

TIRE JACK: X

LUG WRENCH: X

TOOL BOX: - (SIZE) -

PARTITIONS: -

OTHER: -

REMARKS

RECORDED BY SSe DATE: 7/16/03

APPROVED BY: S. Seigel

DATA SHEET 2 (1 of 2)

FMVSS 401 - All trunks except for front trunk compartments with front opening hoods

MANUAL TRUNK RELEASE OPERATION

VEHICLE MY/MAKE/MODEL/BODY STYLE: 2003/HONDA /CIVIC/4-DR

VEH. NHTSA NO.: C35303 ; VIN: 2HGES15163H510524

DATE OF TEST: 7/16/03

Method used to actuate interior trunk release: Rotating Lever (Grab handle, Rotating lever, etc.)

Can test personnel enter trunk and be closed within: Yes X No____

If Yes, size of occupant: At least 50th percentile male

Is there access to the trunk compartment by folding down rear seat or partition: Yes X No

Does Release Mechanism require electric power: Yes ___ No X

Can release mechanism be easily seen inside the closed trunk: Yes X No____

Describe method used by vehicle manufacturer to ensure that release mechanism is visible in a closed trunk compartment: Phosphorescence (Phosphorescence, auxiliary lighting, etc)

Describe laboratory test method used to determine visibility of release mechanism: Trunk Entry (Trunk entry, darkened room, etc.)

Vehicle Stationary (0 km/h) **NO KEY IN IGNITION**	Force Required to Release Trunk Lid (Newtons) [no requirement]	Trunk Released from All latching positions	Pass/Fail
Attempt 1	12 N - 2.7 pounds	Yes	pass
Attempt 2	12 N - 2.7 pounds	Yes	pass
Attempt 3	13 N - 2.9 pounds	Yes	pass
Average	12N - 2.7 pounds		

3.0 **DATA SHEETS....Continued**

DATA SHEET 2 (2 of 2)

FMVSS 401 - MANUAL TRUNK RELEASE OPERATION (continued)

NOTE: Interior Trunk Release is a totally mechanical system with its operation and functioning not dependant upon engine operation or vehicle speed. The release mechanism will function identical to that of the stationary vehicle with the no key in the ignition (as previously tested) and thus the following tests were not required to be conducted.

Vehicle Stationary (0 km/h) **ENGINE IDLING**	Force Required to Release Trunk Lid (Newtons) [no requirement]	Trunk Released from All latching positions	Pass/Fail
Attempt 1			
Attempt 2			
Attempt 3			
Average -			

Vehicle Speed (km/h)	Force Required to Release Trunk Lid (Newtons) [no requirement]	Trunk Released from All latching positions	Pass/Fail
10			
20			
30			

Describe method used to propel vehicle: _____

PASS X FAIL _____ REMARKS:

RECORDED BY: SSe DATE: 7/16/03

APPROVED BY: S. Segel

DATA SHEET 3

FMVSS 401 - TEST SUMMARY

	PASS	FAIL	COMMENTS
Automatic or Manual release mechanism inside the trunk compartment. S4.1	X		**Manual release lever handle**
If manual release, lighting feature is included. S4.2(a)	X		**Self Lighting**
If automatic release, unlatches trunk lid within 5 minutes. S4.2(b)	na		
Except as provided by S4.3(b), actuation of release mechanism required by S4.1 completely releases trunk lid from all latching positions of the trunk lid latch. S 4.3(a)	X		**Single Latch Position Only**
For front trunk compartments, front opening hoods, when vehicle is stationary latch releases trunk lid from all locking positions. When moving forward at a speed less than 5km/h, must release the primary latch and may release all latches. At speeds greater than 5km/h must release the primary latch only. S4.3(b)	na		

PASS __X__ FAIL_____

REMARKS: RECORDED BY: SSe

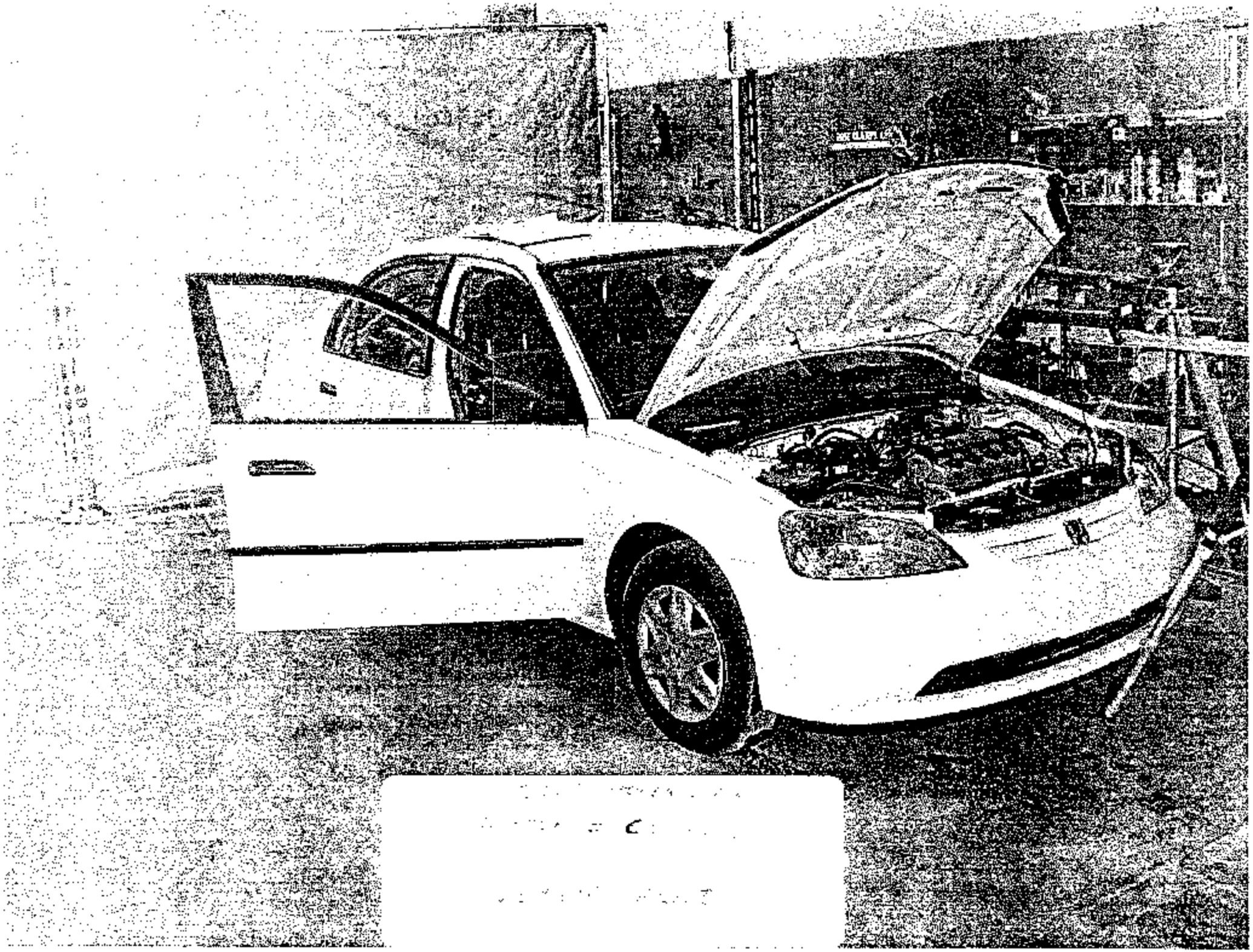
APPROVED BY: S.Solgel

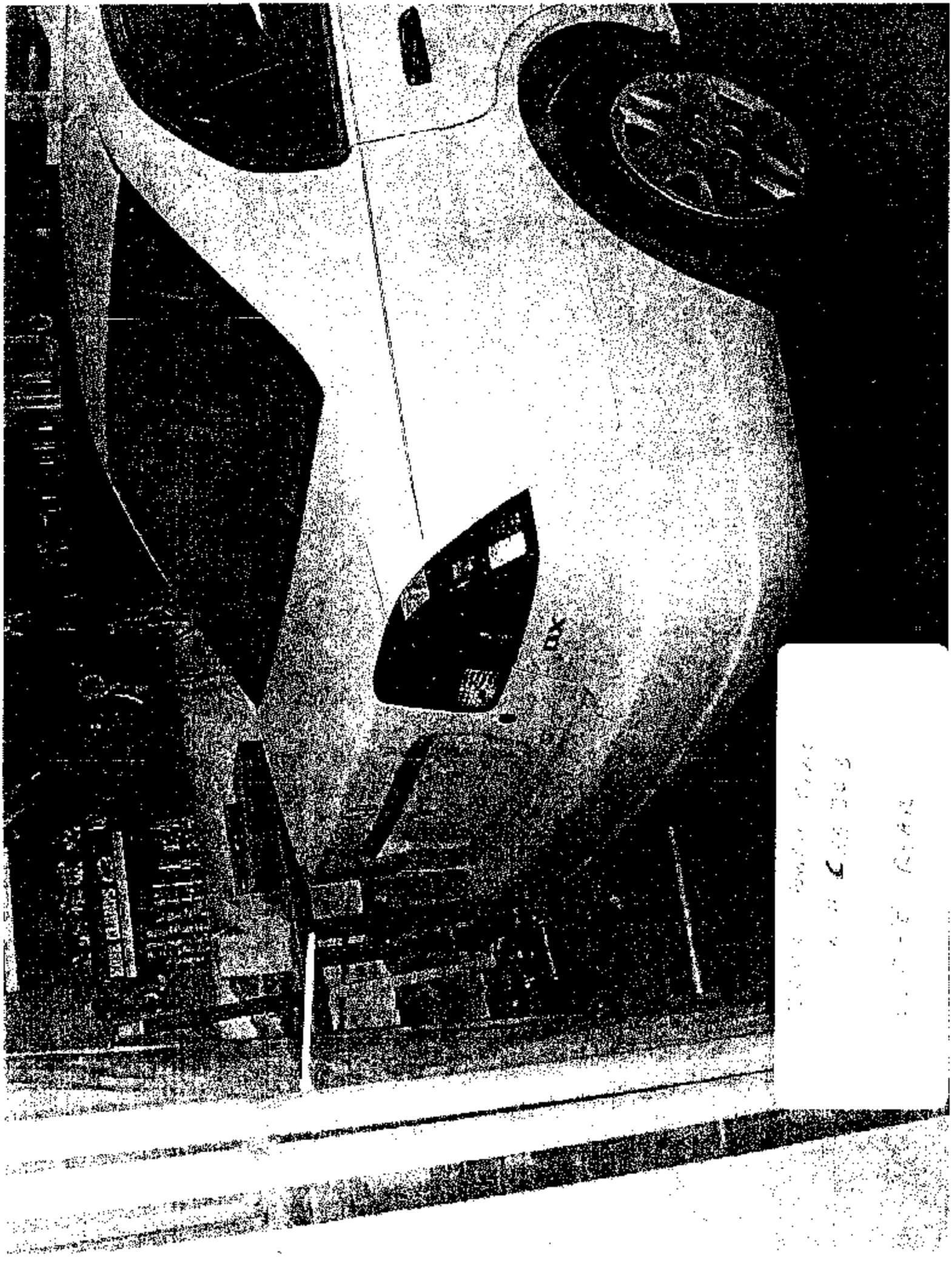
DATE: 7/16/03

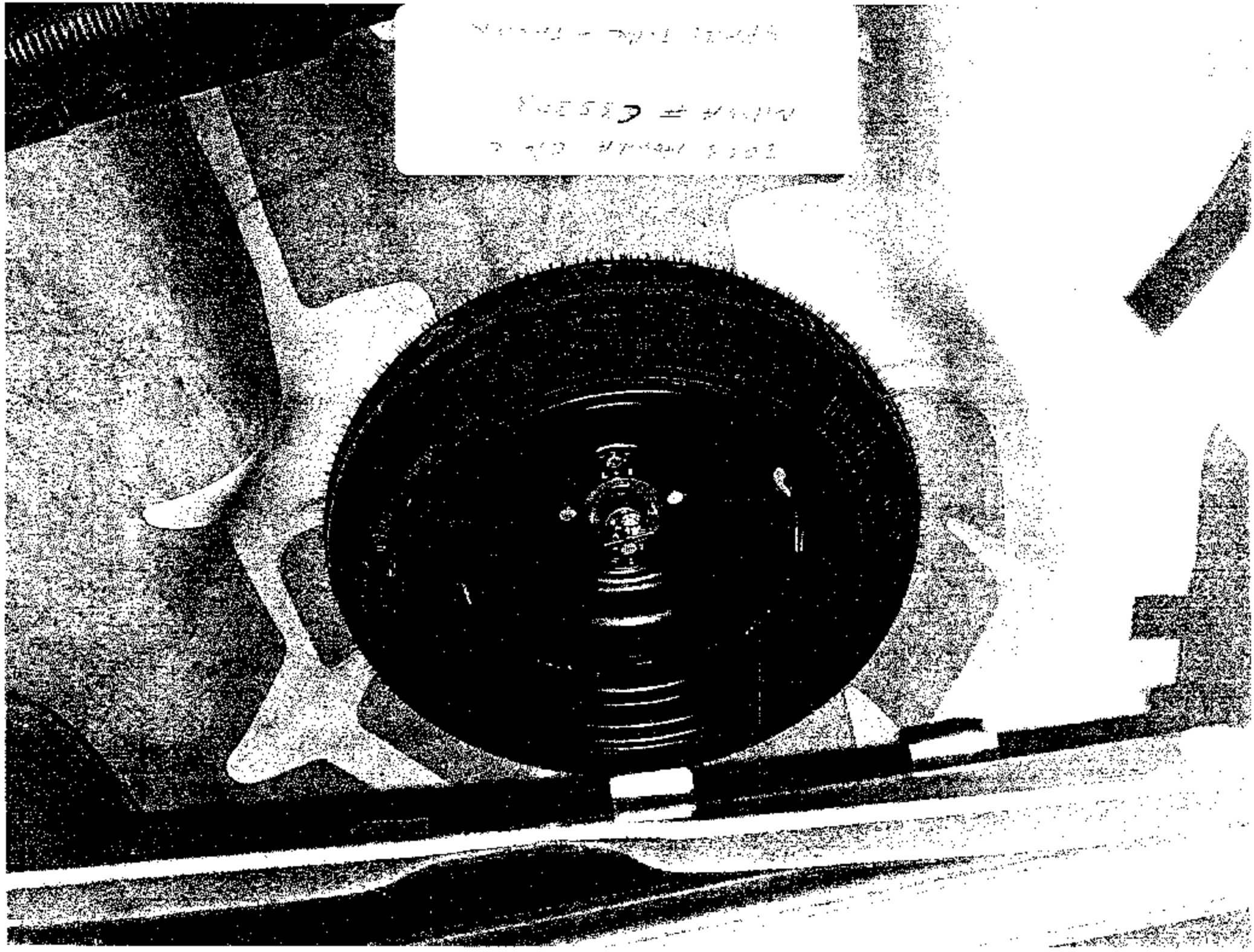
4.0 - Test Equipment List and Calibration Information

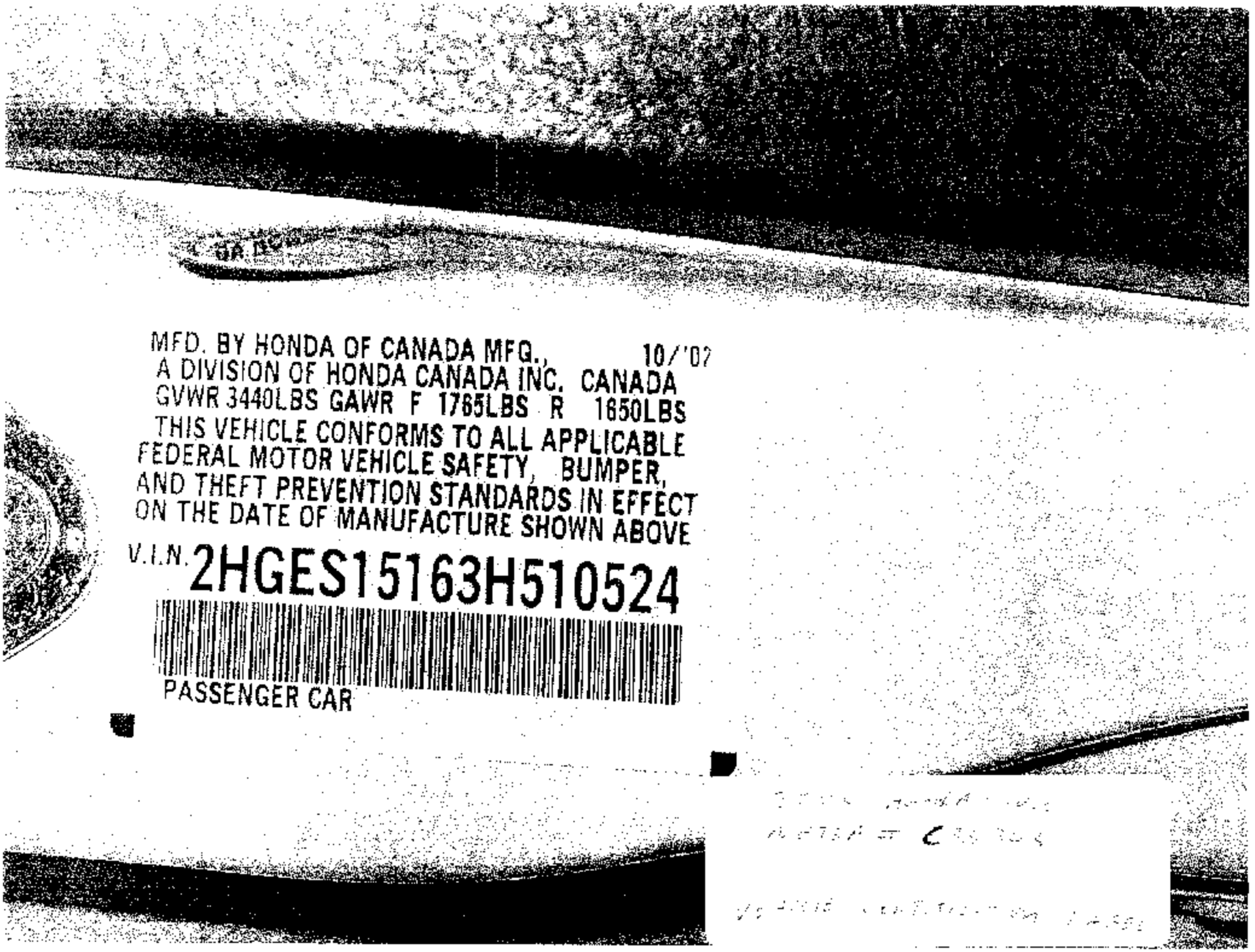
EQUIPMENT	DESCRIPTION	MODEL/SERIAL NO.	CALIBRATION DATE	NEXT CAL. DATE
Force Transducer	Jonard Tools	Part #GPP-72	Manufacturer	Manufacturer

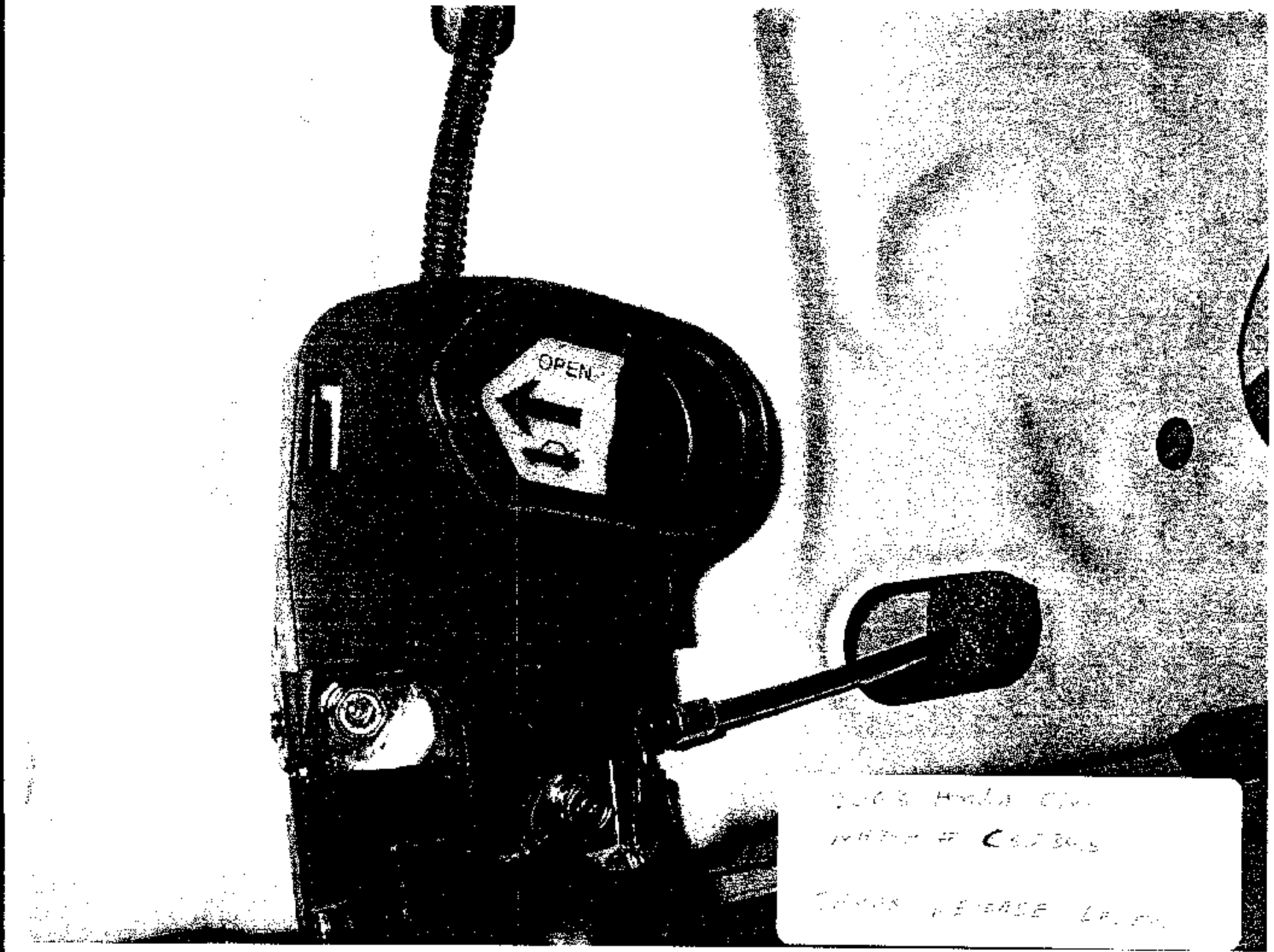
5.0 - Photographs

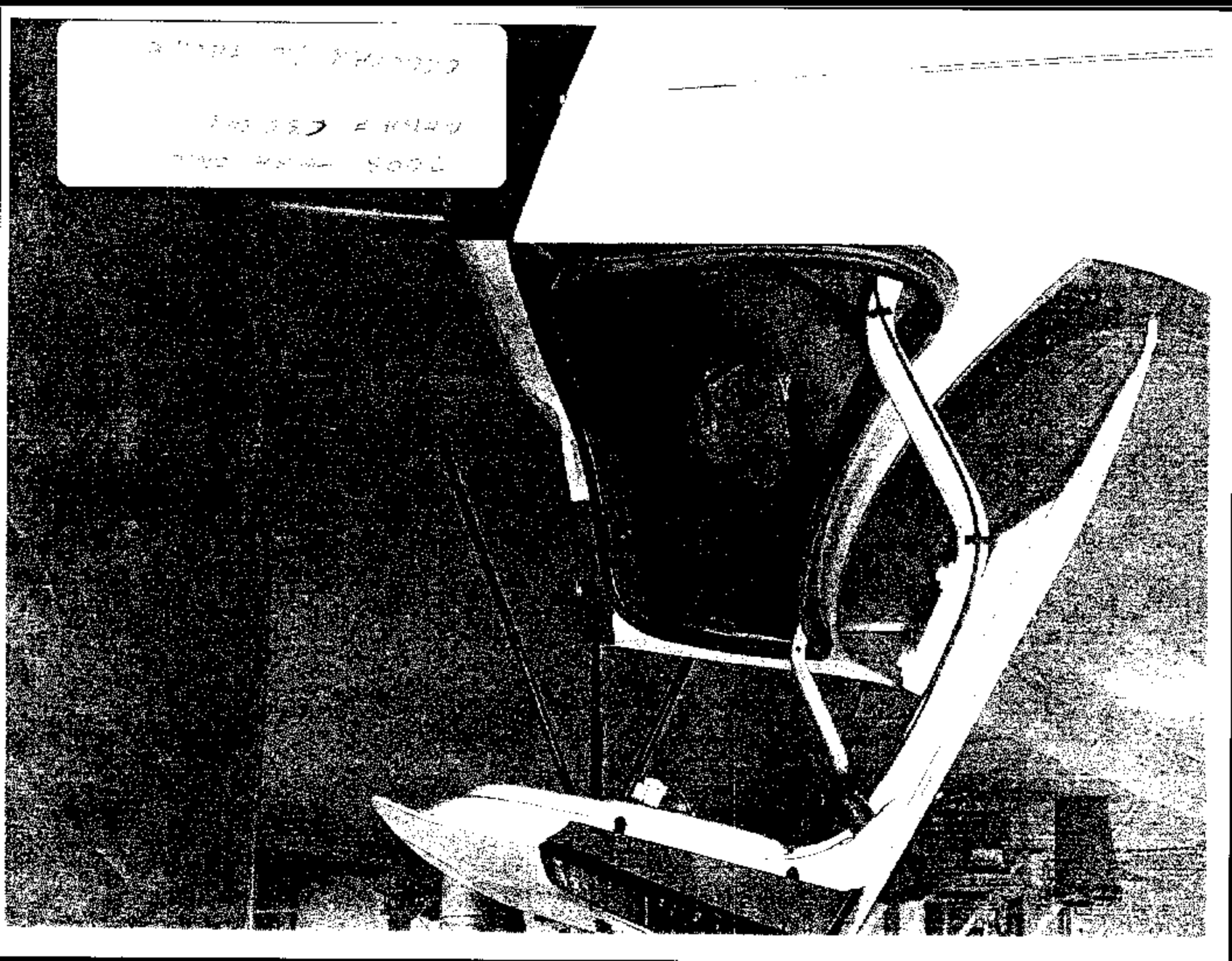




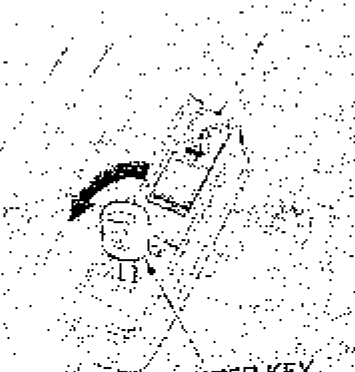



MFD. BY HONDA OF CANADA MFG., 10/'07
A DIVISION OF HONDA CANADA INC. CANADA
GVWR 3440LBS GAWR F 1765LBS R 1650LBS
THIS VEHICLE CONFORMS TO ALL APPLICABLE
FEDERAL MOTOR VEHICLE SAFETY, BUMPER,
AND THEFT PREVENTION STANDARDS IN EFFECT
ON THE DATE OF MANUFACTURE SHOWN ABOVE
V.I.N. 2HGES15163H510524
PASSENGER CAR


OPEN

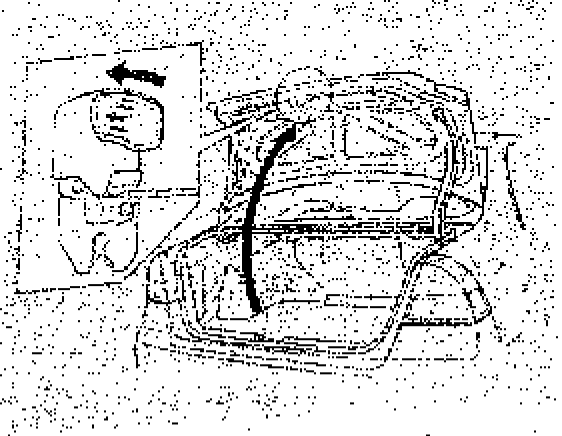


6.0 Vehicle Owner's Manual (applicable pages)



...protect items in the trunk when ...need to give the key to someone ...lock the trunk release handle ...the master key and give the ...person the valet key.

Emergency Trunk Opener



As a safety feature, your car has a release lever on the trunk latch so the trunk can be opened from the inside.

To open the trunk, push the release lever to the left.

Parents should decide if ... children should be shown ... this feature.

For more information about ... safety, see page 26.

Front Seat Adjustments

See pages 13 – 15 for importa... information and warnings abo... properly position seats and se...

Make all seat adjustments ... you start driving.