

FINAL REPORT NUMBER
401-NVS-06-004

**SAFETY COMPLIANCE TESTING FOR
FMVSS 401
Interior Trunk Release**

**2006 Mitsubishi Galant
NHTSA No. C65604**

**Prepared by:
NHTSA
OFFICE OF VEHICLE SAFETY COMPLIANCE**
400 7th Street, SW
Washington, D.C. 20590



10/24/2006

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 6111 (NVS-221)
WASHINGTON, D.C. 20590

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Prepared By: _____
Justin Jirgl

Accepted By: _____
Harry Thompson, Chief Vehicle Crash Avoidance Division

Report Date: 10/24/2006

TECHNICAL REPORT STANDARD TITLE PAGE

1. Report No. 401-NVS-06-004	2. Government Accession No.	3. Recipient's Catalog No.	
4. Title and Subtitle Final Report of FMVSS 401 Compliance Testing of a 2006 Mitsubishi Galant, NHTSA No. C65204		5. Report Date 10/24/2006	
		6. Performing Organization Code OVSC	
7. Author(s) Justin Jirgl for Harry Thompson		8. Performing Organization Report No. 401-NVS-06-004	
9. Performing Organization Name and Address U.S. Department of Transportation National Highway Traffic Safety Administration Enforcement Office of Vehicle Safety Compliance (NVS-221) 400 Seventh Street, SW Room 6111 Washington, DC 20590		10. Work Unit No.	
		11. Contract or Grant No.	
12. Sponsoring Agency Name and Address U.S. Department of Transportation National Highway Traffic Safety Administration Enforcement Office of Vehicle Safety Compliance (NVS-221) 400 Seventh Street, SW Room 6111 Washington, DC 20590		13. Type of Report and Period Covered Final Test Report	
		14. Sponsoring Agency Code NVS-220	
15. Supplementary Notes			
16. Abstract A compliance test was conducted on the subject 2006 Mitsubishi Galant 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 by NHTSA Office of Vehicle Safety Compliance test engineers on 10/24/2006 Test Location: Test failures identified were as follows: NONE			
17. Key Words Compliance Testing Safety Engineering FMVSS 401 2006 Mitsubishi Galant		18. Distribution Statement Copies of this report are available from: NHTSA Technical Reference Division, Mail Code: NAD-52 400 Seventh Street, SW, Room 5108 Washington, D.C. 20590 Telephone No. (202) 366-4946	
19. Security Classif. (of this report) Unclassified	20. Security Classif. (of this page) Unclassified	21. No. of Pages	22. Price

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1.0 PURPOSE OF COMPLIANCE TEST

The purpose of this compliance test was to determine whether the subject vehicle 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 by NHTSA Office of Vehicle Safety Compliance test engineers on 10/24/2006

Test Location:

2.0 TEST PROCEDURE AND DISCUSSION OF RESULTS

Based on the test performed, the subject vehicle appeared to meet the requirements of FMVSS 401.

The vehicle was tested by entering the trunk and closing the lid. The release slide lever 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 approximately newtons (lbs.) or less.

3.0 COMPLIANCE TEST DATA

DATA SHEET 1
FMVSS 401 - VEHICLE DESCRIPTION

VEHICLE MY/MAKE/MODEL/BODY STYLE: 2006 Mitsubishi Galant

VEH. NHTSA NO.: C65204 ; VIN: 4a3ab56f16e057405

DATE OF TEST: 10/24/2006 TEST LAB: BY OVSC @ DEALER

GVWR: 1960 KG MANUFACTURED DATE: 2/06

TRUNK LOCATION: REAR FRONT
If Front, Front Opening?
NUMBER OF TRUNK LID LATCHING POSITIONS: 1

INTERIOR TRUNK RELEASE: MANUAL AUTOMATIC BOTH

POWER OPERATED CLOSURE: _____
OWNER'S MANUAL DESCRIPTION OF TRUNK RELEASE: YES NO

REMOVABLE EQUIPMENT DELIVERED IN TRUNK:

- SPARE TIRE: (SIZE) _____
- TIRE JACK:
- LUG WRENCH:
- TOOL BOX: (SIZE) _____
- PARTITIONS: _____
- OTHER: _____

REMARKS: _____

RECORDED BY: Justin Jirgl DATE: 10/24/2006

APPROVED BY: Harry Thompson

3.0 DATA SHEETS....Continued

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: 2006 Mitsubishi Galant

VEH. NHTSA NO.: C65204 ; VIN: 4a3ab56f16e057405

DATE OF TEST: 10/24/2006

Method used to actuate interior trunk release: Grab Handle

Other:

Can test personnel enter trunk and be closed within: Yes 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 No

Does Release Mechanism require electric power: Yes No

Can release mechanism be easily seen inside the closed trunk: Yes No

Describe method used by vehicle manufacturer to ensure that release mechanism is visible in a closed trunk compartment: ...phos (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)	Force Required to Release Trunk Lid (Newtons) [no requirement]	Trunk Released from All latching positions	Pass/Fail
NO KEY IN IGNITION			
Attempt 1	9.0	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Pass <input type="radio"/> Fail
Attempt 2	9.2	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Pass <input type="radio"/> Fail
Attempt 3	9.2	<input checked="" type="radio"/> Yes <input type="radio"/> No	<input checked="" type="radio"/> Pass <input type="radio"/> Fail
Average -	9.1		

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)	Force Required to Release Trunk Lid (Newtons) [no requirement]	Trunk Released from All latching positions	Pass/Fail
ENGINE IDLING <input checked="" type="checkbox"/> Not Applicable			
Attempt 1		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Attempt 2		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Attempt 3		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Average -			

Vehicle Speed (km/h)	Force Required to Release Trunk Lid (Newtons) [no requirement]	Trunk Released from All latching positions	Pass/Fail
10		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
20		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
30		<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Describe method used to propel vehicle:

Pass Fail

REMARKS:

RECORDED BY: Justin Jirgl _____

DATE: 10/24/2006 _____

APPROVED BY: Harry Thompson _____

3.0 DATA SHEETS....Continued

**DATA SHEET 3
FMVSS 401 -TEST SUMMARY**

	PASS	FAIL	COMMENTS
Automatic or Manual release mechanism inside the trunk compartment. S4.1	<input checked="" type="radio"/>	<input type="radio"/>	
If manual release, lighting feature is included. S4.2(a)	<input checked="" type="radio"/>	<input type="radio"/>	
If automatic release, unlatches trunk lid within 5 minutes. S4.2(b)	<input type="radio"/>	<input type="radio"/>	
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)	<input checked="" type="radio"/>	<input type="radio"/>	
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)	<input checked="" type="radio"/>	<input type="radio"/>	

Pass Fail

RECORDED BY: Justin Jirgl

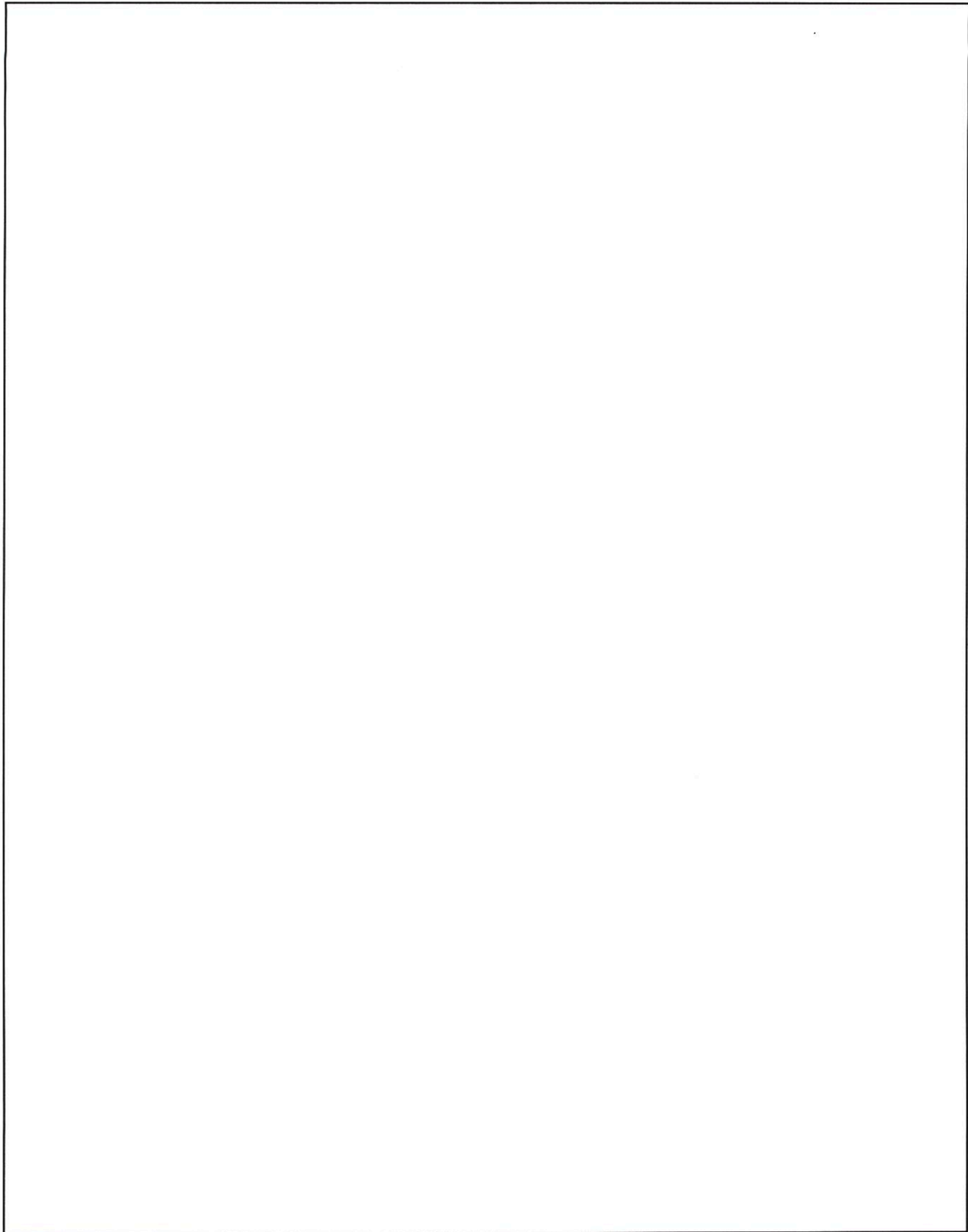
DATE: 10/24/2006

APPROVED BY: Harry Thompson

4.0 - Test Equipment List and Calibration Information

EQUIPMENT	DESCRIPTION	MODEL/SERIAL NO.	CALIBRATION DATE	NEXT CAL. DATE
Force Transducer	Viking Jr. Hanson Instrument	Model 890	Manufacturer	Manufacturer

5.0 - Photographs



Vehicle Front



Vehicle Rear



Trunk Open

MADE IN U.S.A.

DATE FEB. 2006

MFD BY MITSUBISHI MOTORS NORTH AMERICA, INC.

GVWR 4321 LBS GAWR 2282 LBS GAWR 2039 LBS
1960 KG FR. 1035 KG RR. 925 KG

THIS VEHICLE CONFORMS TO ALL APPLICABLE
FEDERAL MOTOR VEHICLE SAFETY, BUMPER, AND
THEFT PREVENTION STANDARDS IN EFFECT ON
THE DATE OF MANUFACTURE SHOWN ABOVE.

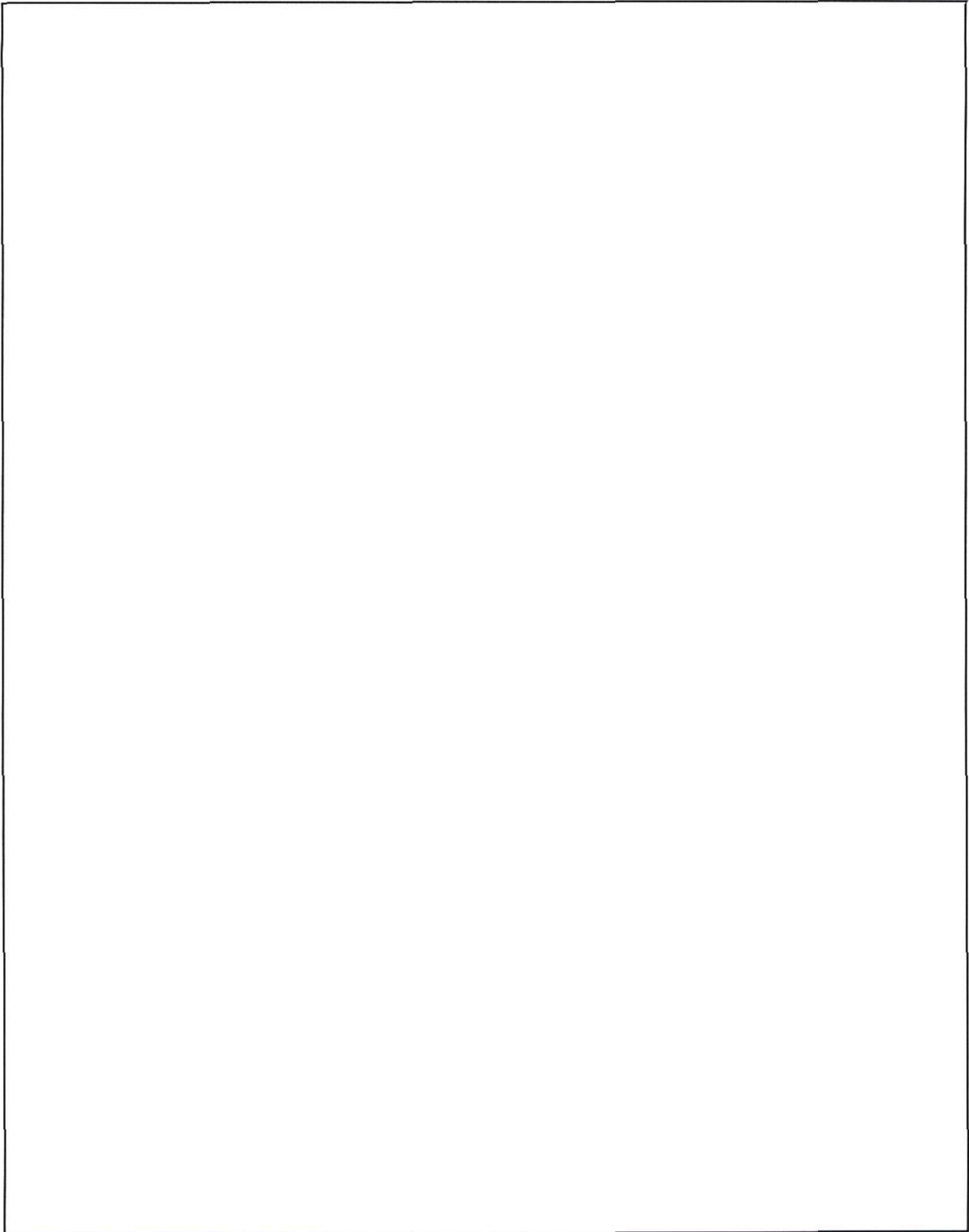
4 A 3 A B 5 6 F 1 6 E 0 5 7 4 0 5



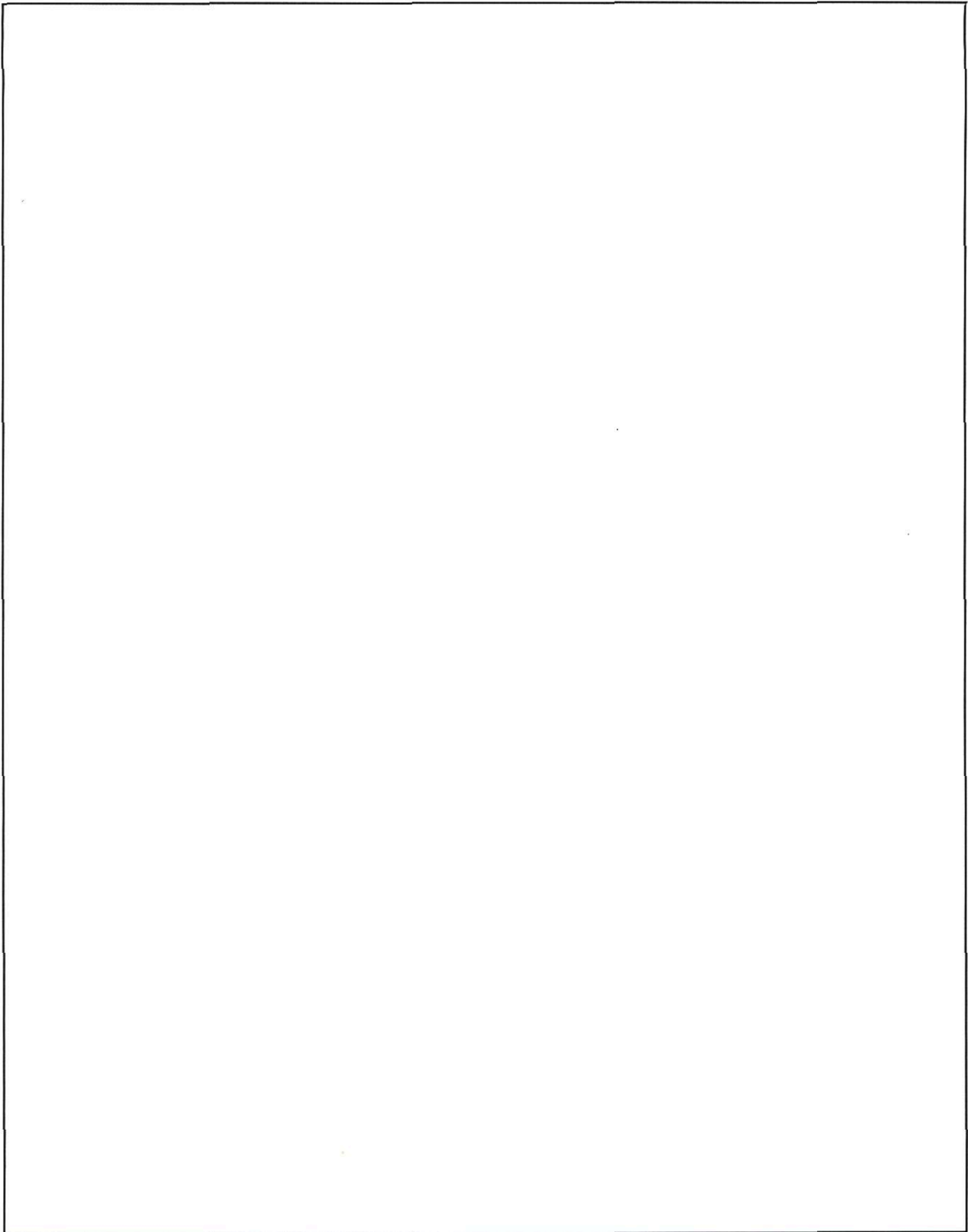
MDH 020213

VEHICLE TYPE: PASSENGER CAR MU900300

Certification Label



Trunk Release Handle/Lever



Force Transducer Attached to Release Handle

6.0 Vehicle Owner's Manual (applicable pages)

