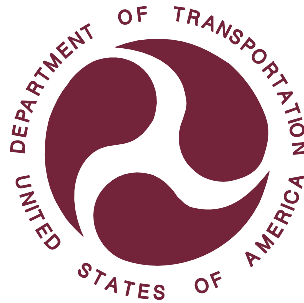


REPORT NUMBER 118-GTL-08-009

**SAFETY COMPLIANCE TESTING FOR
FMVSS NO. 118
POWER-OPERATED WINDOW, PARTITION
AND ROOF PANEL SYSTEMS**

**MITSUBISHI MOTORS CORPORATION
2008 MITSUBISHI LANCER PASSENGER CAR
NHTSA NO. C85603**

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



OCTOBER 3, 2008

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**

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Prepared By: Debbie Messick
Approved By: [Signature]
Approval Date: 10/03/08

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Accepted By: [Signature]
Acceptance Date: 10/3/08

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16. Abstract Compliance tests were conducted on the subject 2008 Mitsubishi Lancer Passenger Car in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP-118-06 for the determination of FMVSS 118 compliance. Test failures identified were as follows: None		
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SECTION 1

PURPOSE OF COMPLIANCE TEST

1.0 PURPOSE OF TEST

A model year 2008 Mitsubishi Lancer Passenger Car was subjected to Federal Motor Vehicle Safety Standard (FMVSS) No. 118 testing to determine if the vehicle was in compliance with the requirements of the standard. FMVSS 118 specifies requirements for power-operated window, partition, and roof panel systems to minimize the likelihood of death or injury from their accidental operation.

1.1 The test vehicle was a 2008 Mitsubishi Lancer Passenger Car. The vehicle was identified as follows:

- A. Vehicle Identification Number: JA3AU16U08U036749
- B. NHTSA No.: C85603
- C. Manufacturer: MITSUBISHI MOTORS CORPORATION
- D. Manufacture Date: OCT 2007
- E. Color: Tarmac Black

1.2 TEST DATE

The test vehicle was subjected to FMVSS No. 118 testing on September 29, 2008.

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-118-06 dated 12 April 2006 and General Testing Laboratories, Inc. (GTL) Test Procedure, TP-118-03A, "Power Operated Window, Partition and Roof Panel Systems".

FMVSS 118 Compliance Testing was performed in the following sequence:

- A. Test Vehicle Identification/Documentation
- B. Power Window, partition and roof panel identification/documentation
- C. Interior, exterior and remote control switch identification/documentation
- D. Pre-test operation of all power windows, partitions and roof panels
- E. Photograph vehicle and interior, exterior and remote control devices
- F. Perform Interior Locking System Off Test
- G. Perform Interior Locking System with Key Removed Test
- H. Perform Exterior Locking System Test
- I. Perform Remote Actuation Device Test
- J. Perform Occupant Compartment Actuation Device Test(Sphere Test/Pull up or Pull Out Test)
- K. Perform Automatic Reversal System Test

Above tests H, I, and K were not required on this vehicle due to no exterior or remote actuation devices. Test J was performed for information purposes only.

2.1 SUMMARY OF RESULTS

The power window operational test resulted in no anomalies being noted. Test data indicate the FMVSS 118 requirements appear to have been satisfied. All test data resulting from the tests were recorded on test data sheets in Section 3.

SECTION 3

TEST DATA

3.0 TEST RESULTS

The following data sheets document the results of FMVSS 118 testing on the 2008 Mitsubishi Lancer.

FMVSS 118
COMPLIANCE DATA SUMMARY SHEET

VEHICLE MAKE/MODEL/BODY STYLE: 2008 MITSUBISHI LANCER

VEHICLE NHTSA NO: C85603 VIN: JA3AU16U08U036749

VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: OCT 2007

LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 09/29/08

REQUIREMENT	PASS	FAIL	N/A
S4 Interior Locking system in Off Position(s)	X		
S4 Interior Locking System with Key Removed	X		
S4 Exterior Locking System			X
S4 Remote Actuation Device			X
S6 Occupant Compartment Actuation Devices (Sphere Test/Pull Up or Pull Out Test)	X*		
S5 Automatic Reversal System			X

REMARKS: * Compliance not required

RECORDED BY: G. Farrand

DATE: 09/29/08

APPROVED BY: D. Messick

WPRP PRE-OPERATIONAL CHECK

VEHICLE MAKE/MODEL/BODY STYLE: 2008 MITSUBISHI LANCERVEHICLE NHTSA NO: C85603 VIN: JA3AU16U08U036749VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: OCT 2007LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 09/29/08

Identify power-operated WPRP and WPRP actuation devices

	LEFT FRONT	LEFT REAR	RIGHT FRONT	RIGHT REAR	TAIL GATE	LEFT VENT	RIGHT VENT	ROOF PANEL
Power WPRP Installed	X	X	X	X				
Individual Interior Actuation Devices	X	X	X	X				
Master Control Panel Actuation Devices	X							
WPRP Operated by Exterior Locking System								
WPRP Operated by Remote Control								
WPRP with Auto-Reverse Capability								
WPRP with Express-Up Capability								

Master Control Panel Location: DRIVER'S DOOR PANELExterior Locking System Location: N/A

Remote Control Type: () Line of Sight () Non-line of Sight

WPRP Actuation Device Design (Toggle, Rocker, Push/Pull (Lever) or describe other):

Master Control Panel Push/Pull
 Individual Window Push/Pull
 Roof Panel _____
 Vents _____

Interior Locking System Key Positions (clockwise): LOCK, ACC, ON, START

All WPRP open/close cycles are satisfactory with key in "ON" position:

(X) YES () NO

All WPRP open/close cycles are satisfactory with key in "ACCESSORY" position:

(X) YES () Not Applicable –No power to WPRP's

REMARKS:

RECORDED BY: G. FarrandDATE: 09/29/08APPROVED BY: D. Messick

DATA SHEET 1
INTERIOR LOCKING SYSTEM TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2008 MITSUBISHI LANCER

VEHICLE NHTSA NO: C85603 VIN: JA3AU16U08U036749

VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: OCT 2007

LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 09/29/08

Key lock position at start of test execution: (X) ON () ACCESSORY, Then to:
Key lock off position during test execution: (X) LOCK (X) OFF () ACCESSORY

ACTUATION DEVICES	DOORS CLOSED		LEFT DOOR OPEN		RIGHT DOOR OPEN		PASS/FAIL
	INOP.	OPER.	INOP.	OPER.	INOP.	OPER.	
MASTER CONTROL PANEL ACTUATION DEVICES							
Left Front (LF)		X	X		X		P
Right Front (RF)		X	X		X		P
Left Rear (LR)		X	X		X		P
Right Rear (RR)		X	X		X		P
Tail Gate (TG)							
Vents							
Roof Panel (RP)							
INDIVIDUAL ACTUATION DEVICES							
Left Front (LF)		X	X		X		P
Right Front (RF)		X	X		X		P
Left Rear (LR)		X	X		X		P
Right Rear (RR)		X	X		X		P
Tail Gate (TG)							
Vents							
Roof Panel (RP)							

REMARKS:

RECORDED BY: G. Farrand

DATE: 09/29/08

APPROVED BY: D. Messick

DATA SHEET 2
INTERIOR LOCKING SYSTEM WITH KEY REMOVED TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2008 MITSUBISHI LANCER

VEHICLE NHTSA NO: C85603 VIN: JA3AU16U08U036749

VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: OCT 2007

LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 09/29/08

Key lock position at start of test execution: (X) ON () ACCESSORY, Then to:
Key lock off position during test execution: (X) LOCK () OFF () ACCESSORY

ACTUATION DEVICES	DOORS CLOSED		LEFT DOOR OPEN		RIGHT DOOR OPEN		PASS/FAIL
	INOP.	OPER.	INOP.	OPER.	INOP.	OPER.	
MASTER CONTROL PANEL ACTUATION DEVICES							
Left Front (LF)		X	X		X		P
Right Front (RF)		X	X		X		P
Left Rear (LR)		X	X		X		P
Right Rear (RR)		X	X		X		P
Tail Gate (TG)							
Vents							
Roof Panel (RP)							
INDIVIDUAL ACTUATION DEVICES							
Left Front (LF)		X	X		X		P
Right Front (RF)		X	X		X		P
Left Rear (LR)		X	X		X		P
Right Rear (RR)		X	X		X		P
Tail Gate (TG)							
Vents							
Roof Panel (RP)							

REMARKS:

RECORDED BY: G. Farrand

DATE: 09/29/08

APPROVED BY: D. Messick

DATA SHEET 3
OCCUPANT COMPARTMENT ACTUATION DEVICE TEST
SPHERE TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2008 MITSUBISHI LANCER
 VEHICLE NHTSA NO: C85603 VIN: JA3AU16U08U036749
 VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: OCT 2007
 LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 09/29/08

ACTUATION DEVICES	APPLICABLE (YES/NO*)	SPHERE ACTIVATED ACTUATION DEVICE CLOSES WPRP (YES/NO)	TEST RESULT PASS/FAIL	COMPLIANCE REQUIRED (Y/N**)
MASTER CONTROL PANEL ACTUATION DEVICES				
Left Front (LF)	Yes	No	Pass	No
Right Front (RF)	Yes	No	Pass	No
Left Rear (LR)	Yes	No	Pass	No
Right Rear (RR)	Yes	No	Pass	No
Tail Gate (TG)				
Vent Window(s)				
Partition (P)				
Roof Panel (RP)				
INDIVIDUAL ACTUATION DEVICES				
Left Front (LF)	Yes	No	Pass	No
Right Front (RF)	Yes	No	Pass	No
Left Rear (LR)	Yes	No	Pass	No
Right Rear (RR)	Yes	No	Pass	No
Tail Gate (TG)				
Vent Window (s)				
Partition(P)				
Roof Panel (RP)				

*This requirement does not apply to actuation devices that are mounted in a vehicle's roof, headliner, or overhead console and that can close a window, partition, or roof panel only by continuous rather than momentary switch actuation or actuation devices that comply with the reversing requirement of FMVSS 118, S5.

** Requirement is effective 1 October 2008. Early compliance is voluntary and test results are used for information only.

RECORDED BY: G. Farrand
 APPROVED BY: D. Messick

DATE: 09/29/08

DATA SHEET 4
OCCUPANT COMPARTMENT ACTUATION DEVICE TEST
FOR POWER-OPERATED WINDOWS ONLY
PULL UP OR PULL OUT TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2008 MITSUBISHI LANCER
 VEHICLE NHTSA NO: C85603 VIN: JA3AU16U08U036749
 VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: OCT 2007
 LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 09/29/08

ACTUATION DEVICES	SWITCH ORIENTATION A – horizontal B – vertical C - angled	CLOSES POWER-OPERATED WINDOW ONLY IF: PULL UP OR PULL OUT	TEST RESULT PASS/FAIL	COMPLIANCE REQUIRED (Y/N**)
MASTER CONTROL PANEL ACTUATION DEVICES				
Left Front (LF)	A	Pull Up	Pass	No
Right Front (RF)	A	Pull Up	Pass	No
Left Rear (LR)	A	Pull Up	Pass	No
Right Rear (RR)	A	Pull Up	Pass	No
Vent Window(s)				
INDIVIDUAL ACTUATION DEVICES				
Left Front (LF)	A	Pull Up	Pass	No
Right Front (RF)	A	Pull Up	Pass	No
Left Rear (LR)	A	Pull Up	Pass	No
Right Rear (RR)	A	Pull Up	Pass	No
Vent Window(s)				

** Requirement is effective 1 October 2008. Early compliance is voluntary and test results are used for information only.

RECORDED BY: G. Farrand
 APPROVED BY: D. Messick

DATE: 09/29/08

SECTION 4
TEST EQUIPMENT LIST

VEHICLE MAKE/MODEL/BODY STYLE: 2008 MITSUBISHI LANCER
 VEHICLE NHTSA NO: C85603 VIN: JA3AU16U08U036749
 VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: OCT 2007
 LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 09/29/08

ITEM	MFR	MODEL	S/N	CAL. PERIOD	DATE OF LAST CALIB.	REMARKS
SLR DIGITAL CAMERA	NIKON	D50	N/A	N/A	N/A	
PINCH FORCE SENSOR	SENSOR DEVELOPMENTS, INC.	10293	179104	12 MO.	06/08	

REMARKS:

RECORDED BY: G. FARRAND

DATE: 09/29/08

APPROVED BY: D. MESSICK

SECTION 5
PHOTOGRAPHS



2008 MITSUBISHI LANCER
NHTSA NO. C85603
FMVSS NO. 118

FIGURE 5.1
¾ FRONTAL VIEW FROM RIGHT SIDE OF VEHICLE



2008 MITSUBISHI LANCER
NHTSA NO. C85603
FMVSS NO. 118

FIGURE 5.2
¾ REAR VIEW FROM LEFT SIDE OF VEHICLE



MFD. BY MITSUBISHI MOTORS CORPORATION, JAPAN

GVWR 4079LBS/ 1850KG
GAWR FR 2227LBS/1010KG GAWR RR 2007LBS/ 910KG
OCT 2007

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



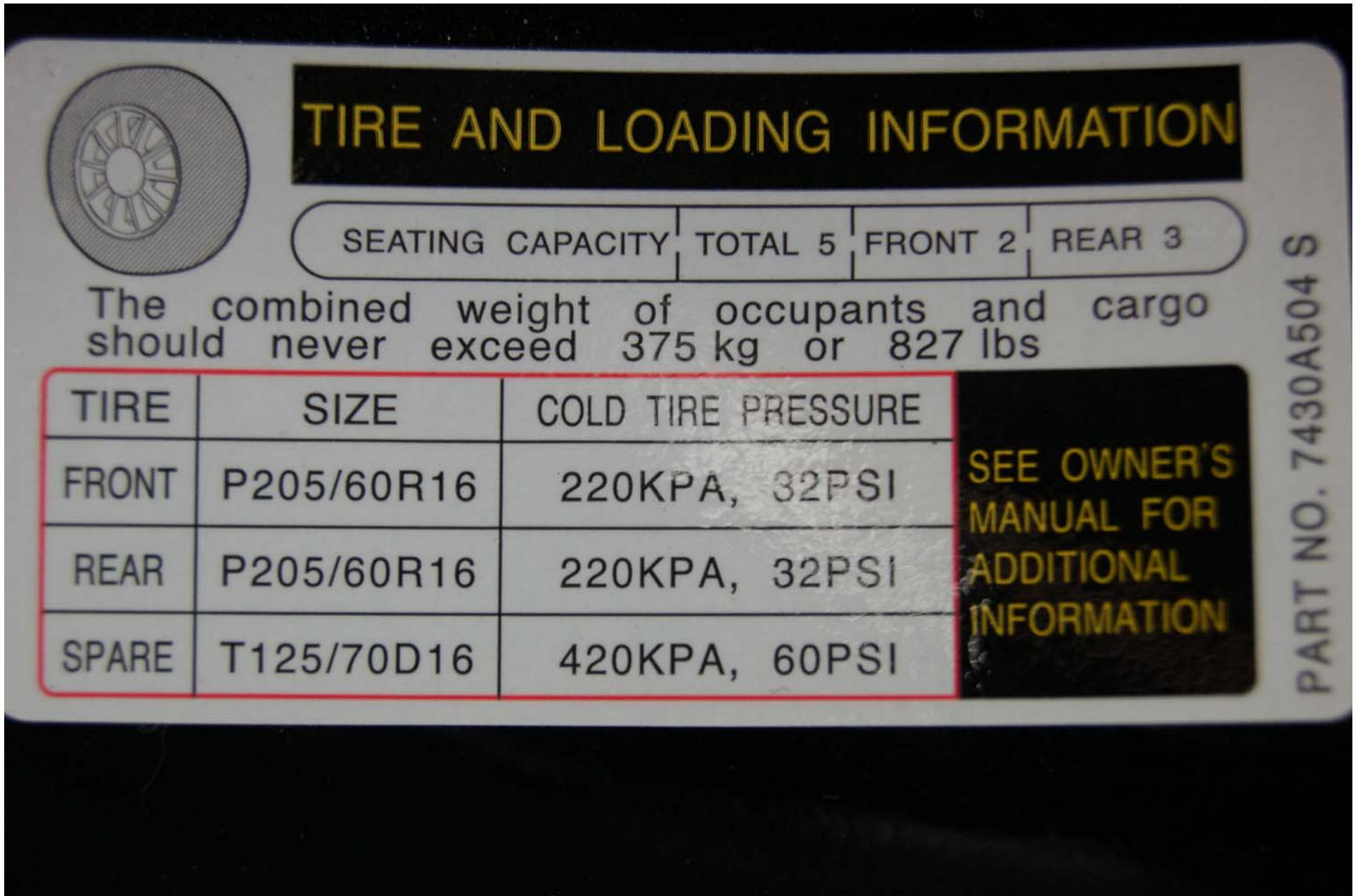
JA3AU16U08U036749

VEHICLE TYPE: PASSENGER CAR

MU000883

2008 MITSUBISHI LANCER
NHTSA NO. C85603
FMVSS NO. 118

FIGURE 5.3
CLOSE-UP VIEW OF VEHICLE CERTIFICATION LABEL



TIRE AND LOADING INFORMATION

SEATING CAPACITY | TOTAL 5 | FRONT 2 | REAR 3

The combined weight of occupants and cargo should never exceed 375 kg or 827 lbs

TIRE	SIZE	COLD TIRE PRESSURE
FRONT	P205/60R16	220KPA, 32PSI
REAR	P205/60R16	220KPA, 32PSI
SPARE	T125/70D16	420KPA, 60PSI

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

PART NO. 7430A504 S

2008 MITSUBISHI LANCER
NHTSA NO. C85603
FMVSS NO. 118

FIGURE 5.4
CLOSE-UP VIEW OF TIRE INFORMATION LABEL



2008 MITSUBISHI LANCER
NHTSA NO. C85603
FMVSS NO. 118

FIGURE 5.5
CLOSE-UP VIEW OF VEHICLE IGNITION SWITCH



2008 MITSUBISHI LANCER
NHTSA NO. C85603
FMVSS NO. 118

FIGURE 5.6
CLOSE-UP VIEW OF LEFT FRONT POWER WINDOW
SWITCH



2008 MITSUBISHI LANCER
NHTSA NO. C85603
FMVSS NO. 118

FIGURE 5.7
CLOSE-UP VIEW OF RIGHT FRONT POWER WINDOW
SWITCH



2008 MITSUBISHI LANCER
NHTSA NO. C85603
FMVSS NO. 118

FIGURE 5.8
CLOSE-UP VIEW OF LEFT REAR POWER WINDOW
SWITCH



2008 MITSUBISHI LANCER
NHTSA NO. C85603
FMVSS NO. 118

FIGURE 5.9
CLOSE-UP VIEW OF RIGHT REAR POWER WINDOW
SWITCH



2008 MITSUBISHI LANCER
NHTSA NO. C85603
FMVSS NO. 118

FIGURE 5.10
CLOSE-UP VIEW OF POWER WINDOW MASTER SWITCH



2008 MITSUBISHI LANCER
NHTSA NO. C85603
FMVSS NO. 118

FIGURE 5.11
TYPICAL SWITCH/SPHERE TEST SET-UP

SECTION 6
OWNER'S MANUAL INFORMATION

Break-in recommendations

NE0508700226

Advanced automobile manufacturing techniques permit you to operate your new vehicle without requiring a long break-in period of low-speed driving.

However, you can add to the future performance and economy of your vehicle by observing the following precautions during the first 300 miles (500 km).

Drive your vehicle at moderate speeds during the break-in period.

3

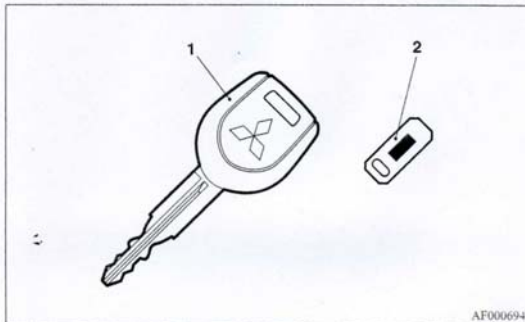
- Avoid revving the engine.
- Avoid rough driving such as fast starts, sudden acceleration, prolonged high-speed driving and sudden braking. These would have a detrimental effect on the engine and also cause increased fuel and oil consumption, which could result in malfunction of the engine components. Be particularly careful to avoid full acceleration while in low gear.
- Do not overload the vehicle. Observe the seating capacity (See "Cargo load precautions" on page 4-12).
- Do not use this vehicle for trailer towing.

Keys

NE0508800186

Type 1

Two keys are provided. The keys fit all locks. Keep one in a safe place as a spare key.



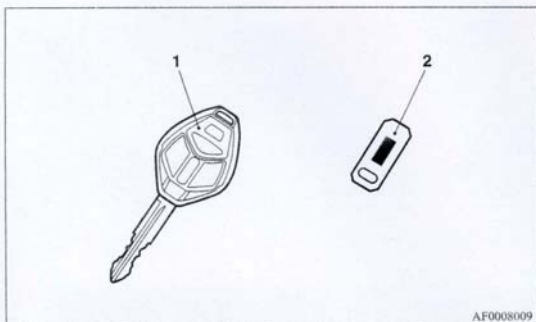
- 1- Key for the electronic immobilizer
- 2- Key number plate

AF0006946

Features and controls

Type 2

Two keys are provided. The keys fit all locks. Keep one in a safe place as a spare key.

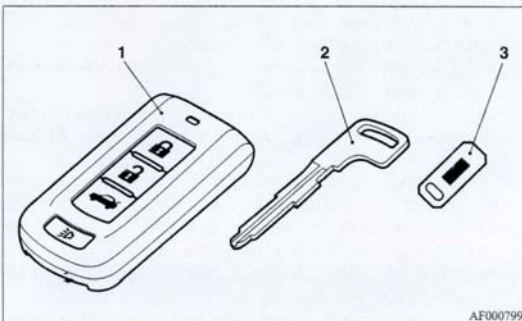


- 1- Key for the electronic immobilizer and keyless entry system
- 2- Key number plate

AF0008009

Type 3

Two F.A.S.T.-keys and two emergency keys are provided. Keep one F.A.S.T.-key and one emergency key in a safe place together as a set of spare keys.



- 1- F.A.S.T.-key (with electronic immobilizer and keyless entry system function)
- 2- Emergency key
- 3- Key number plate

3

AF0007998

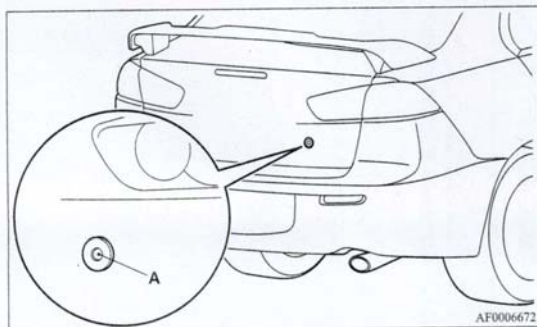
NOTE

- The key is a precision electronic device with a built-in signal transmitter. Please observe the following in order to prevent damage.
 - Do not leave where it may be exposed to heat caused by direct sunlight, such as on top of the dashboard.
 - Do not take the remote control transmitter apart.

To open (Trunk lid)

While carrying the F.A.S.T.-key within the operating range to open the trunk lid, press and hold down the OPEN switch (A) until the trunk lid opens.

Also refer to "Trunk lid" on pages 3-54 respectively.

**NOTE**

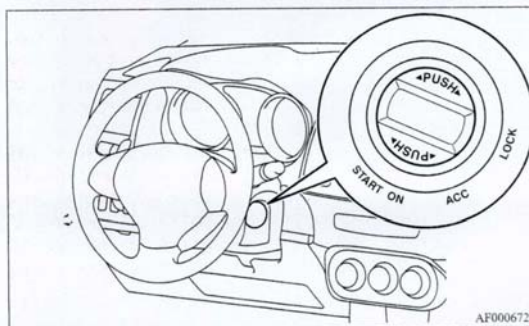
- In cases such as the following, the F.A.S.T.-key does not operate.
 - There is a F.A.S.T.-key in the passenger compartment
 - The trunk lid is open
 - The ignition switch is in a position other than "LOCK"
 - The emergency key is inserted into the ignition switch

Ignition switch

N00513500020

To prevent vehicle theft, no F.A.S.T.-keys other than those registered in advance can be used to start the engine. (Electronic immobilizer function)

While carrying the F.A.S.T.-key, the ignition switch can be turned to start the engine.

**LOCK (PUSH OFF)**

The position where the steering wheel is locked.

LOCK (PUSH ON)

When the ID code verification inside the vehicle produces a match, the ignition switch can be turned.

ACC

Allows operation of electrical accessories with the engine off.

3-23

Features and controls**ON**

The engine runs and all electrical accessories can be used.

START

Engages the starter. Release the ignition switch when the engine starts. The ignition switch returns automatically to the "ON" position.

NOTE

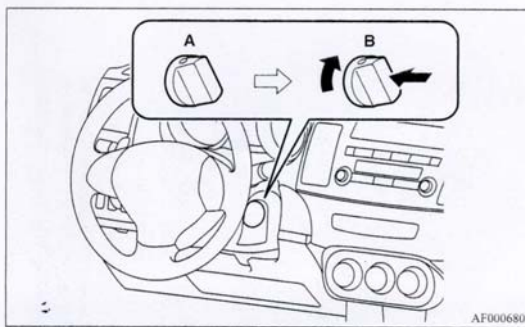
- Your vehicle is equipped with an electronic immobilizer. To start the engine, the ID code which the F.A.S.T.-key sends must match the one registered to the immobilizer computer. (Refer to "Electronic immobilizer (Anti-theft starting system)" on page 3-40)
- If the ignition switch is not turned to the "LOCK (PUSH OFF)" position when the engine is not running, the ID code cannot be verified and the engine will not start even if the ignition switch is turned to the "START" position. If this happens, fully return the ignition switch to the "LOCK (PUSH OFF)" position, and start the engine again.

3

To turn from "LOCK (PUSH OFF)" to "ACC"

N00513600021

Turn slowly after pressing the ignition switch.



- A- Steering wheel locked
- B- Steering wheel lock released

NOTE

- To turn the ignition switch from the "LOCK (PUSH OFF)" position to the "ACC" position, push the ignition switch again, turn the steering wheel in both directions and then turn the ignition switch.
- The ignition switch cannot be turned unless the F.A.S.T.-key is inside the vehicle. Refer to "Operating range for starting the engine" on page 3-19.

3-24

Features and controls

Testing the theft-alarm system

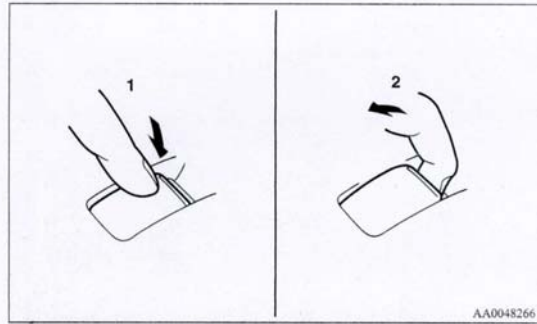
Use the following procedure to test the system:

1. Lower the driver's window.
2. Arm the system as explained in "Armed stage".
3. Make sure that the theft-alarm indicator comes on and flashes within approximately 20 seconds.
4. Wait a few seconds and then unlock the driver's side door by using the inside door lock knob and opening the door.
5. Check to be sure that the horn sounds intermittently and the headlights blink on and off when the doors is opened.
6. Disarm the system by unlocking all doors by the remote control transmitter, the F.A.S.T.-key.

3

Power windows

N00510800240



AA0048266

- 1- Open (down)
- 2- Close (up)

NOTE

- Never try to operate the main switch and sub switch in different directions at the same time. This will freeze the window in position.
- Operating the power windows repeatedly with the engine stopped will run down the battery. Use the window switches only while the engine is running.

3-62

⚠ WARNING

- Before operating the power windows, make sure that nothing can be trapped (head, hands, fingers, etc.) in the window.
- Never leave the vehicle with the key in the ignition switch.
- Never leave a child alone in the vehicle.

Main switch

The main switch located on the driver's door can be used to operate all door windows.

A window can be opened or closed by operating the corresponding switch.

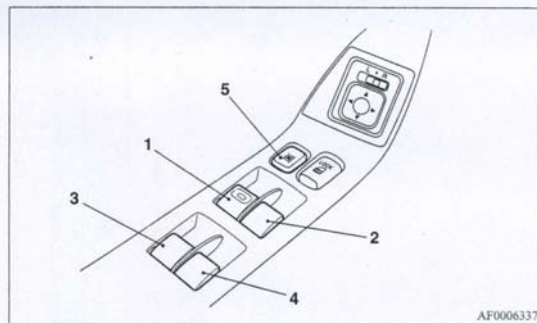
Press the switch down to open the window, and pull up the switch to close it.

The driver's window switch has different functions, depending on the type of vehicles:

- If the driver's door window switch is fully pressed down, the driver's door window automatically opens completely.
- If the driver's door window switch is fully pressed down/pulled up, the driver's door window automatically opens/closes completely.

If you want to stop the window movement, operate the switch lightly in the reverse direction.

Features and controls



AF0006337

- 1- Driver's door window switch
- 2- Front passenger door window switch
- 3- Left rear door window switch
- 4- Right rear door window switch
- 5- Window lock switch

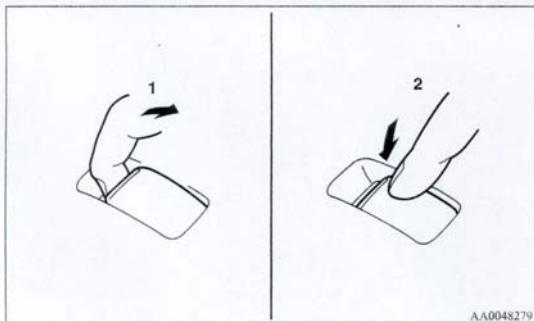
3

3-63

Features and controls

Sub switch

3



- 1- Close (up)
2- Open (down)

Each sub switch can be used for its own passenger door window, unless the driver's window lock switch is activated.

Timer function

The power windows can be run up or down when the ignition switch is in the "ON" position.

The door windows can be opened or closed for a 30 second period after the ignition switch is turned to the "ACC" or "OFF" position. However, once the driver's door or the front passenger's door is opened, the power windows cannot be operated.

3-64

Features and controls

Safety mechanism (Driver's door window only) (if so equipped)

N00528800021

If a hand or head is trapped, for safety the door window is automatically lowered a little.

After the door window is lowered, pull up the switch again to close the door window.

⚠ WARNING

- If the safety mechanism is activated three or more times successively, the safety mechanism will be temporarily cancelled. If a hand or head subsequently gets trapped, a serious injury can result.

⚠ CAUTION

- The safety mechanism is deactivated just before the door window closes. This allows the door window to close completely. Therefore be especially careful that fingers are not trapped in the door window opening.
- The safety mechanism is deactivated while the switch is pressed. Therefore be especially careful that fingers are not trapped in the door window opening.
- Do not deliberately trap your hands or head in order to activate the safety mechanism. Your hand or head could be trapped and personal injury could result.

NOTE

- The safety mechanism can be activated if the driving conditions or other circumstances cause the door window to be subjected to a physical shock similar to that caused by trapped hand or head.
- If the safety mechanism is activated 3 or more times consecutively, the safety mechanism is deactivated and normal closing of the door window will be aborted. Use the following method to return to normal operation.
 1. If the door window is open, repeatedly pull up the power window switch to fully close the door window.
 2. With fully closing the window, release the switch and then pull up the switch again for about 1 second.

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3-65

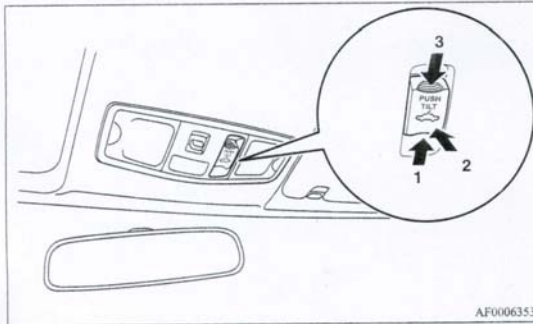
Sunroof (if so equipped)

N00511000467

⚠ WARNING

- Do not stick your head, hands or anything else in the sunroof opening.
- Before operating the sunroof, make sure that nothing can be trapped (head, hands, fingers, etc.).
- Never leave a child (or other person who is incapable of safely operating the sunroof switch) alone in the vehicle.

The sunroof can be opened and closed with the ignition switch in the "ON" position.



AF0006353

To open

Press the switch (1), the sunroof automatically opens and the sunroof will stop several centimeters this side of the full open position. Press the switch (1) again, and the sunroof will be fully open.

To stop the moving sunroof, press the switch.

NOTE

- The sunroof stops just before reaching the fully open position. If the vehicle is driven with the sunroof in this position, wind buffeting is lower than with the sunroof fully open.

To close

Press the switch (3), the sunroof automatically closes.

To stop the moving sunroof, press the switch.

To tilt up

When the switch (2) is pressed, the rear edge of sunroof raises for ventilation.

To tilt down

Press the switch (3).

Timer function

The sunroof can be operated when the ignition switch is in the "ON" position. The sunroof can be opened or closed for a 30 seconds period after the ignition switch is turned to the "ACC" or "OFF". However, once the driver's door or the front passenger's door is opened, the sunroof cannot be operated until the ignition switch is turned on again.

3

3-67

Features and controls

Safety mechanism

If a hand or head is trapped in the closing sunroof opening, the safety mechanism will cause the sunroof to re-open automatically. The opened sunroof will become operational again after a few seconds.

If the safety mechanism is activated 5 or more times consecutively, normal closing of the sunroof will be aborted. To return the sunroof to normal operation:

1. Press the switch (2) repeatedly until the sunroof moves into the tilt up position.
2. Once the tilt up position has been reached, press again and hold the switch (2) for at least 3 seconds.
3. After pressing the switch (1) to perform full opening, press the switch (3) to fully close the sunroof.

NOTE

- The safety mechanism can be activated if the driving conditions or other circumstances cause the sunroof to be subjected to a physical shock similar to that caused by a trapped hand or head.
- Avoid stopping the sunroof before it reaches the opening or closing end during operations. If this should accidentally be allowed to happen, repeat the process from step 1.

⚠ CAUTION

- The safety mechanism is deactivated just before the sunroof closes. This allows the sunroof to close completely. Therefore be especially careful that fingers are not trapped in the sunroof opening.

⚠ CAUTION

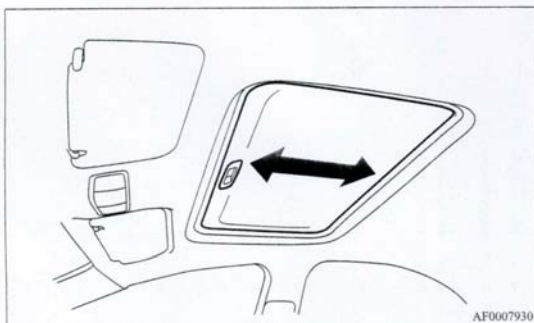
- The safety mechanism is deactivated while the switch (3) is pressed. Therefore be especially careful that fingers are not trapped in the sunroof opening.
- Do not deliberately trap your hands or head in order to activate the safety mechanism. Personal injury and malfunction of the sunroof could result.

4. The sunroof should now operate in the normal manner.

3-68

Sunshade

The sunshade can be opened or closed manually while the sunroof is closed. When the sunroof is opened, the sunshade will also open automatically.



AF0007930

CAUTION

- Do not attempt to close the sunshade when the sunroof is opened.
- Be careful that hands are not trapped when closing the sunshade.

NOTE

- Be sure to tilt down the sunroof before closing the sunshade.

NOTE

- When leaving the vehicle unattended, be sure to close the sunroof and without the ignition key.
- Do not try to operate the sunroof if it is frozen closed (after snowfall or during extreme cold).
- Do not sit on or place heavy luggage on the sunroof or roof opening edge.
- Do not apply any force that may cause damage to the sunroof.
- Release the switch when the sunroof has reached a completely open or completely closed position.
- If the sunroof does not operate when the sunroof switch is operated, release the switch and check whether something is trapped by the sunroof. If nothing is trapped, have the sunroof checked at an authorized Mitsubishi Motors dealer.
- Be careful when tilting up the sunroof if a ski carrier or a roof carrier is installed. Depending on the model of ski carrier or roof carrier, the sunroof may contact the carrier when the sunroof is tilted up.
- Be sure to close the sunroof completely when washing the vehicle or when leaving the vehicle.
- Do not put any wax on the weatherstrip (black rubber) around the sunroof opening. If it is waxed, the weatherstrip cannot maintain a weatherproof seal with the sunroof.
- After washing the vehicle or after rain be sure to wipe off any water that is on the sunroof before operating it.
- Operating the sunroof repeatedly with the engine turned off will run down the battery. Operate the sunroof only while the engine is running.

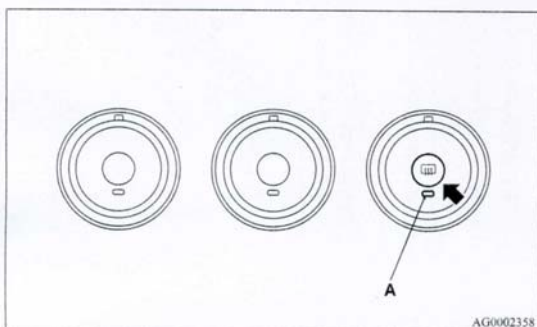
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Features and controls

Heated mirror (if so equipped)

N00549300175

When the rear window defogger switch is pressed with the engine running, the outside rearview mirrors are defogged or defrosted. Current will flow through the heater element inside the mirrors, thus clearing away frost or condensation. The indicator light (A) will illuminate while the defogger is on. The heater will be turned off automatically in about 20 minutes.



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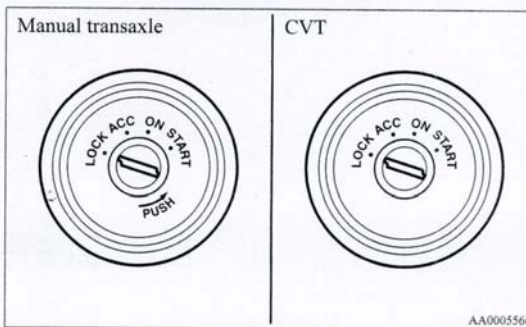
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Ignition switch

N00512400556

[For vehicles equipped with the F.A.S.T.-key]
For information on operations for vehicles equipped with the F.A.S.T.-key, refer to "F.A.S.T.-key: Ignition switch" on page 3-23.

[Except for vehicles equipped with the F.A.S.T.-key]



AA0005566

LOCK

The engine is off and the steering wheel is locked. The key can be inserted and removed only when the switch is in this position.

ACC

Allows operation of electrical accessories with the engine off.

ON

The engine runs and all accessories can be used.

START

Engages the starter. After the engine starts, release the key and it will return automatically to the "ON" position.

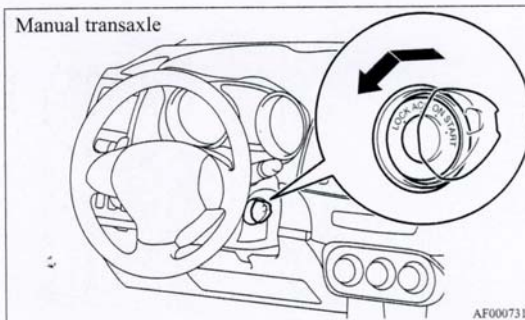
NOTE

- Your vehicle is equipped with an electronic immobilizer. To start the engine, the ID code which the transponder inside the key sends must match the one registered to the immobilizer computer.
(Refer to "Electronic immobilizer" on page 3-5.)

To remove the key

N06550900126

For vehicles with a manual transaxle, when removing the key, push the key in at the "ACC" position and keep it depressed until it is turned to the "LOCK" position, and remove.

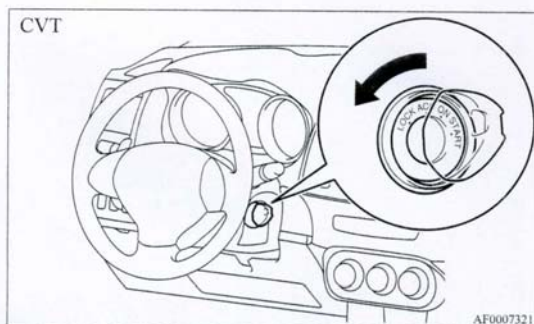


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3-77

Features and controls

For vehicles with a continuously variable transmission (CVT), when removing the key, first set the selector lever to the "P" (PARK) position, and then turn the key to the "LOCK" position and remove it.



3

NOTE

- For vehicles with a CVT, the key cannot be removed unless the selector lever is set to the "P" (PARK) position, which allows the ignition switch to turn to the "LOCK" position.

⚠ CAUTION

- Do not remove the ignition key from the ignition switch while driving. The steering wheel will lock, causing loss of control.
- If the engine is turned off while driving, the power brake booster will stop functioning and braking efficiency will be reduced. Also, the power steering system will not function and it will require greater effort to manually steer the vehicle.
- Do not leave the key in the "ON" position for a long time when the engine is not running. This will cause the battery to run down.
- Do not turn the key to the "START" position when the engine is running. It will damage the starter motor.

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