

HSNO. 637175

REPORT NO. 118-KAR-04-001

**SAFETY COMPLIANCE TESTING
FOR FMVSS 118**

**Power-Operated Window, Partition,
And Roof Panel Systems**

BMW AG
2004 MINI COOPER
2 DOOR COUPE

NHTSA NO. C40501

PREPARED BY:
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May 24, 2004

FINAL REPORT

PREPARED FOR:
U.S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
ROOM 6111 (NVS-220)
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WASHINGTON, D.C. 20590

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16. <i>Abstract</i> Compliance tests were conducted on the subject 2004 BMW Mini Cooper 2-Door in accordance with the specifications of the Office of Vehicle Safety Compliance Test Procedure No. TP118-03 for the determination of FMVSS 118 compliance. Test failures identified were as follows: None			
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1. PURPOSE OF COMPLIANCE TEST

Tests were conducted on a 2004 BMW Mini Cooper 2-Door Coupe, manufactured by Bayerische Motoren Werke AG, to determine compliance with FMVSS 118 "Power-Operated Window, Partition, and Roof Panel Systems". 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.

All tests were conducted based on the current National Highway Traffic Safety Administration (NHTSA), Office of Vehicle Safety Compliance (OVSC) Laboratory Procedures, TP-118-03, dated April 8, 1994, and corresponding KARCO Engineering test procedure KTP-118, dated March 15, 2004. Detailed procedures for receiving, inspecting, testing and reporting of test results are described in the test procedures and are not repeated in this report.

2. TEST PROCEDURE AND DATA SUMMARY

A 2004 BMW Mini Cooper 2-Door Coupe was subjected to FMVSS 118 compliance testing. The tests were conducted at KARCO Engineering in Adelanto, California on March 31, 2004. FMVSS 118 Compliance testing was performed in the following sequence:

- Vehicle Receiving Photographs
- Test Vehicle Check-In
- Power Window, Partitions and Roof Panel Identification/Documentation
- Interior, Exterior and Remote Control Switch Identification/Documentation
- Pre-Test Operation of all Power Windows, Partitions and Roof Panels
- Photograph Vehicle Ignition Switch and Master and Individual Power Window, Partition and Roof Panel Switches
- Perform Ignition Switch off Test
- Perform Ignition Key Removed Test
- Perform Exterior Key Locking System Test
- Perform Remote Control System Test
- Perform Reversal System Test

DATA SUMMARY

VEHICLE			
YEAR	2004	MAKE	BMW
MODEL	MINI COOPER	BODY STYLE	2 Door Coupe
NHTSA NO.	C40501	VIN	WMWRC33464
TEST DATE:	03/31/04		

SWITCH ACTUATION

WINDOWS, PARTITIONS, ROOF PANEL SWITCHES	INTERIOR KEY LOCKING SYSTEM		EXTERIOR LOCKING SYSTEM (PASS / FAIL)
	IGNITION KEY OFF (PASS/FAIL)	IGNITION KEY REMOVED (PASS/FAIL)	
MASTER SWITCH PANEL			
Left Front (LF)	N/A	N/A	N/A
Right Front (RF)	N/A	N/A	N/A
Left Rear (LR)	N/A	N/A	N/A
Right Rear (RR)	N/A	N/A	N/A
Tail Gate (TG)	N/A	N/A	N/A
Partition	N/A	N/A	N/A
Roof Panel (RP)	N/A	N/A	N/A
INDIVIDUAL SWITCHES			
Left Front (LF)	PASS	PASS	PASS
Right Front (RF)	PASS	PASS	PASS
Left Rear (LR)	N/A	N/A	N/A
Right Rear (RR)	N/A	N/A	N/A
Right Rear (RR)	N/A	N/A	N/A
Tail Gate (TG)	N/A	N/A	N/A
Partition (P)	N/A	N/A	N/A
Roof Panel (RP)	PASS	PASS	PASS

DATA SUMMARY (CONTINUED)**REMOTE ACTUATION DEVICE**

VEHICLE ORIENTATION REMOTE ACTUATION DEVICE	NON-LINE OF SIGHT REMOTE (METERS)	LINE OF SIGHT REMOTE (METERS)
FRONT	N/A	N/A
DRIVER SIDE	SEE REMARKS	SEE REMARKS
PASSENGER SIDE	N/A	N/A
REAR	N/A	N/A

WPRP OBSTRUCTION FORCE REVERSAL

WINDOW, PARTITION, ROOF PANEL	FORCE TO REVERSE (NEWTONS)	DISTANCE WINDOW, PARTITION, OR ROOF PANEL OPENED ON REVERSAL (mm)
LEFT FRONT (LF)	N/A	N/A
RIGHT FRONT (RF)	N/A	N/A
LEFT REAR (LR)	N/A	N/A
RIGHT REAR (RR)	N/A	N/A
PARTITION (P)	N/A	N/A
ROOF PANEL (RP)	SEE REMARKS	SEE REMARKS
TAIL GATE (TG)	N/A	N/A

REMARKS: This vehicle is equipped with a remote actuation device (key fob) that allows the windows and roof panel to be opened. The windows and roof panel cannot be closed remotely. The vehicle is equipped with a roof panel that does have an auto reverse capability. Since the roof panel system meets the requirements of FMVSS 118 S.4. It is not required to, nor does it, meet the requirements of paragraph S.5

The subject 2004 BMW Mini Cooper appeared to meet the requirements of FMVSS 118.

3. TEST DATA

**DATA SHEET NO. 1
VEHICLE IDENTIFICATION**

VEHICLE			
YEAR	2004	MAKE	BMW
MODEL	MINI COOPER	BODY STYLE	2 Door Coupe
NHTSA NO.	C40501	VIN	WMWRC33464
TEST DATE:	03/31/04		

Identify Vehicle equipped WPRP and WPRP controls

	LEFT FRONT	LEFT REAR	RIGHT FRONT	RIGHT REAR	TAIL GATE	PARTITION	ROOF PANEL
Power Windows	X	N/A	X	N/A	N/A	N/A	X
Interior Switches	X	N/A	X	N/A	N/A	N/A	X
Master Control Panel	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Exterior Switches	X	N/A	X	N/A	N/A	N/A	X
Remote Controller	X	N/A	X	N/A	N/A	N/A	X
Auto-Reverse	N/A	N/A	N/A	N/A	N/A	N/A	SEE REMARKS

Master Control Panel Location: No Separate Master Control Panel.

Remote Control: Remote Control Capability Opens Windows Only.

Window Switch Design: Master Control Switches - None.
Individual Window Switches - Toggle type push downwards to open/push upwards to close.

Exterior Control Switch: Key Locking System Located on Driver's Side Door.

Sunroof: Switch located over rear-view mirror on roof.

REMARKS: Left and right front window switches are located in the vehicle's center console. The roof panel is equipped with an auto reverse feature. On this vehicle the reversal feature is not required because the roof panel system appears to meet the operational requirements of FMVSS 118 paragraph S.4. Refer to Section 5 page 27 of this report for a full explanation.

RECORDED BY: MATTHEW A. IVORY DATE: 03/31/04

APPROVED BY: MICHAEL L. DUNLAP DATE: 03/31/04

**DATA SHEET NO. 2
IGNITION KEY OFF TEST**

VEHICLE			
YEAR	2004	MAKE	BMW
MODEL	MINI COOPER	BODY STYLE	2 Door Coupe
NHTSA NO.	C40501	VIN	WMWRC33484
TEST DATE:	03/31/04		

Pre-Test Check: Window, Partition, Roof Panel Systems operate with Ignition Switch in "ON" Position	YES	X	NO	
Pre-Test Check: Window, Partition, Roof Panel Systems operate with Ignition Switch in "ACCESSORY" Position	YES		NO	X

WINDOW SWITCHES	DOORS CLOSED		LEFT DOOR OPEN		RIGHT DOOR OPEN		PASS/FAIL
	INOP.	OPER.	INOP.	OPER.	INOP.	OPER.	
MASTER							
Left Front (LF)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Right Front (RF)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Left Rear (LR)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Right Rear (RR)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tail Gate (TG)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Partition (P)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roof Panel (RP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
INDIVIDUAL							
Left Front (LF)	N/A	X	X	N/A	X	N/A	PASS
Right Front (RF)	N/A	X	X	N/A	X	N/A	PASS
Left Rear (LR)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Right Rear (RR)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tail Gate (TG)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Partition (P)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roof Panel (RP)	N/A	X	X	N/A	X	N/A	PASS

REMARKS: The ignition key off test was conducted with the key in the "Lock" position
(Refer to Section 5 of this report).

RECORDED BY: MATTHEW A. IVORY DATE: 03/31/04

APPROVED BY: MICHAEL L. DUNLAP DATE: 03/31/04

**DATA SHEET NO. 3
IGNITION KEY REMOVED TEST**

VEHICLE			
YEAR	2004	MAKE	BMW
MODEL	MINI COOPER	BODY STYLE	2 Door Coupe
NHTSA NO.	C40501	VIN	WMWRC33484
TEST DATE:	03/31/04		

WINDOW SWITCHES	DOORS CLOSED		LEFT DOOR OPEN		RIGHT DOOR OPEN		PASS/ FAIL
	INOP.	OPER.	INOP.	OPER.	INOP.	OPER.	
MASTER							
Left Front (LF)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Right Front (RF)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Left Rear (LR)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Right Rear (RR)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tail Gate (TG)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Partition (P)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roof Panel (RP)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
INDIVIDUAL							
Left Front (LF)	N/A	X	X	N/A	X	N/A	PASS
Right Front (RF)	N/A	X	X	N/A	X	N/A	PASS
Left Rear (LR)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Right Rear (RR)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Tail Gate (TG)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Partition (P)	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Roof Panel (RP)	N/A	X	X	N/A	X	N/A	PASS

REMARKS: None

RECORDED BY: MATTHEW A. IVORY DATE: 03/31/04

APPROVED BY: MICHAEL L. DUNLAP DATE: 03/31/04

**DATA SHEET NO. 4
EXTERIOR KEY LOCKING SYSTEM**

VEHICLE			
YEAR	2004	MAKE	BMW
MODEL	MINI COOPER	BODY	2 Door Coupe
NHTSA NO.	C40501	VIN	WMWRC33464
TEST DATE:	03/31/04		

EXTERIOR LOCKING CONTROL SWITCH TEST			
Can Any WPRP Be Operated by Directly Using A Key in an Exterior Locking Control Switch?	Yes	X	No
If Yes: Is Continuous Activation of the Switch Required	Yes	X	No

NOTE: Continuous activation is required for WPRP activation by exterior key locking systems.

IDENTIFY WINDOW, PARTITION AND ROOF PANEL POSITIONS WHICH ARE OPERABLE WITH EXTERIOR KEY.

LOCATION	OPERABLE W/KEY		CONTINUOUS ACTION		PASS / FAIL
	YES	NO	YES	NO	
LEFT FRONT (LF)	X	N/A	X	N/A	Pass
RIGHT FRONT (RF)	X	N/A	X	N/A	Pass
LEFT REAR (LR)	N/A	N/A	N/A	N/A	N/A
RIGHT REAR (RR)	N/A	N/A	N/A	N/A	N/A
PARTITION (P)	N/A	N/A	N/A	N/A	N/A
ROOF PANEL (RP)	X	N/A	X	N/A	Pass
TAIL GATE (TG)	N/A	N/A	N/A	N/A	N/A

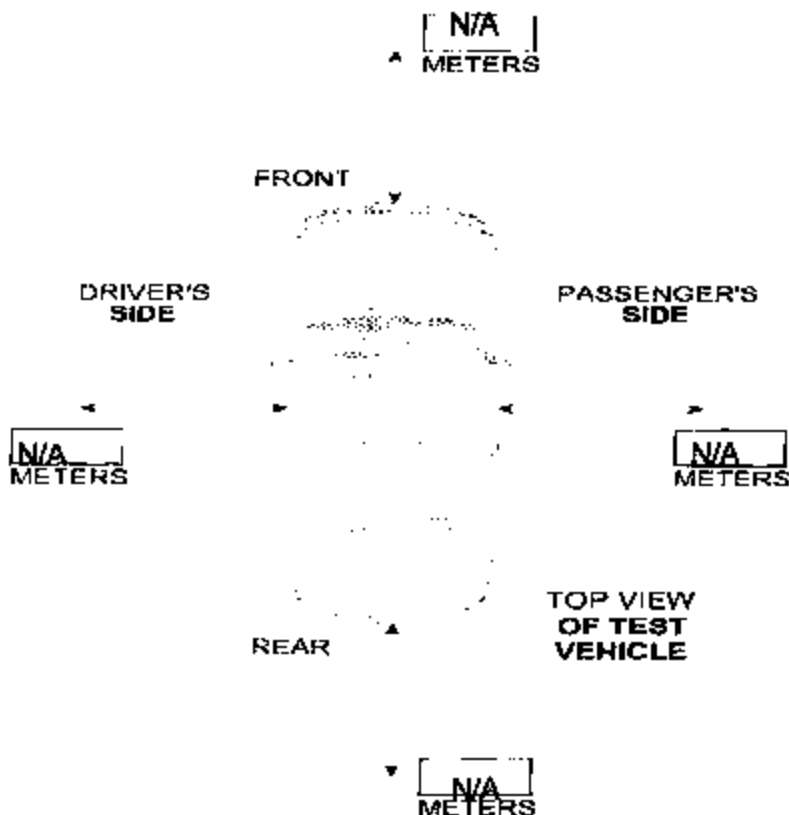
REMARKS: Windows and roof panel can only be closed with exterior key switch. The Driver's Side door is the only door equipped with the exterior key locking provision. Refer Section 5 page 25 of this report for a full explanation

RECORDED BY: MATTHEW A. IVORY DATE: 03/31/04
 APPROVED BY: MICHAEL L. DUNLAP DATE: 03/31/04

**DATA SHEET NO. 5
MAXIMUM OPERATING RANGE FOR LINE-OF-SIGHT REMOTE**

VEHICLE			
YEAR	2004	MAKE	BMW
MODEL	MINI COOPER	BODY STYLE	2 Door Coupe
NHTSA NO.	C40501	VIN	WMWRC33464
TEST DATE:	03/31/04		

If range of operation exceeds 11 meters in any of the below measured directions, the window, partition, and roof panel must meet the reversing requirements of FMVSS 118. Continuous activation of remote device is required to close windows, partition and roof panel YES () NO ().



REMARKS: The vehicle is equipped with a remote actuation device (key fob) that allows the windows and roof panel to be opened. The windows and roof panel cannot be closed remotely. The maximum operating range of the remote device was not determined. Refer to Section 5 page 24 of this report for full explanation.

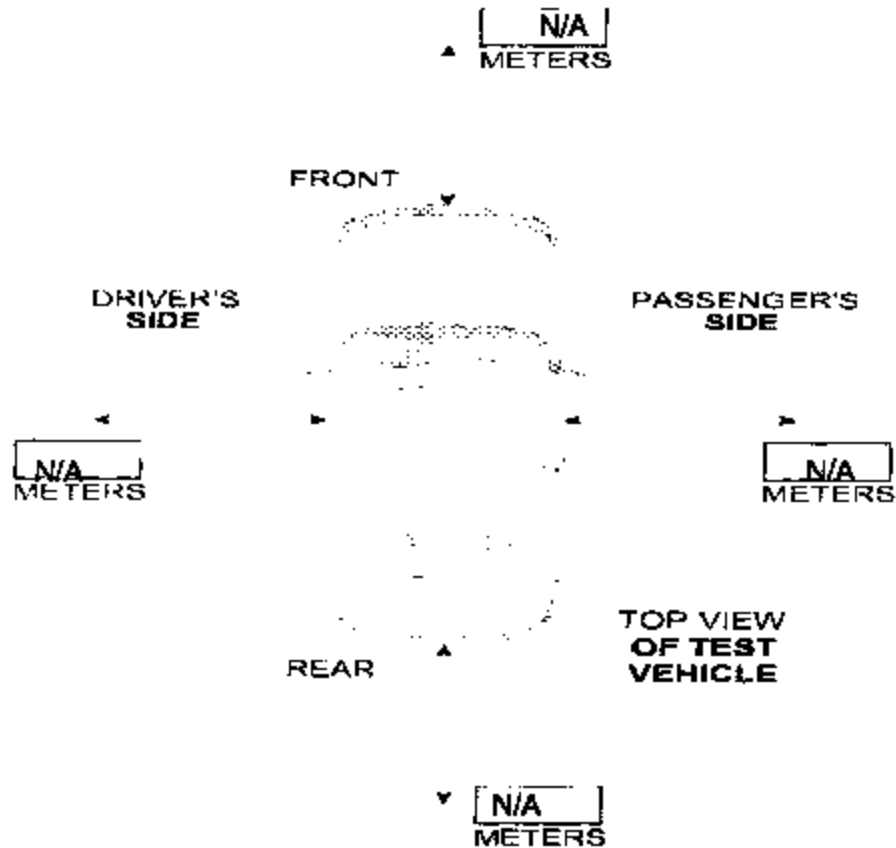
RECORDED BY: MATTHEW A. IVORY DATE: 03/31/04

APPROVED BY: MICHAEL L. DUNLAP DATE: 03/31/04

**DATA SHEET NO. 6
MAXIMUM OPERATING RANGE FOR NON-LINE-OF-SIGHT REMOTE**

VEHICLE			
YEAR	2004	MAKE	BMW
MODEL	MINI COOPER	BODY STYLE	2 Door Coupe
NHTSA NO.	C40501	VIN	WMWRC33464
TEST DATE:	03/31/04		

If range of operation exceeds 6 meters in any of the below measured directions, the window, partition, and roof panel must meet the reversing requirements of FMVSS 118. Continuous activation of remote device is required to close windows, partition and roof panel YES () NO ().



REMARKS: The vehicle is equipped with a remote actuation device (key fob) that allows the windows and roof panel to be opened. The windows and roof panel cannot be closed remotely. The maximum operating range of the remote device was not determined. Refer to Section 5 page 24 of this report for full explanation

RECORDED BY: MATTHEW A. IVORY DATE: 03/31/04

APPROVED BY: MICHAEL L. DUNLAP DATE: 03/31/04

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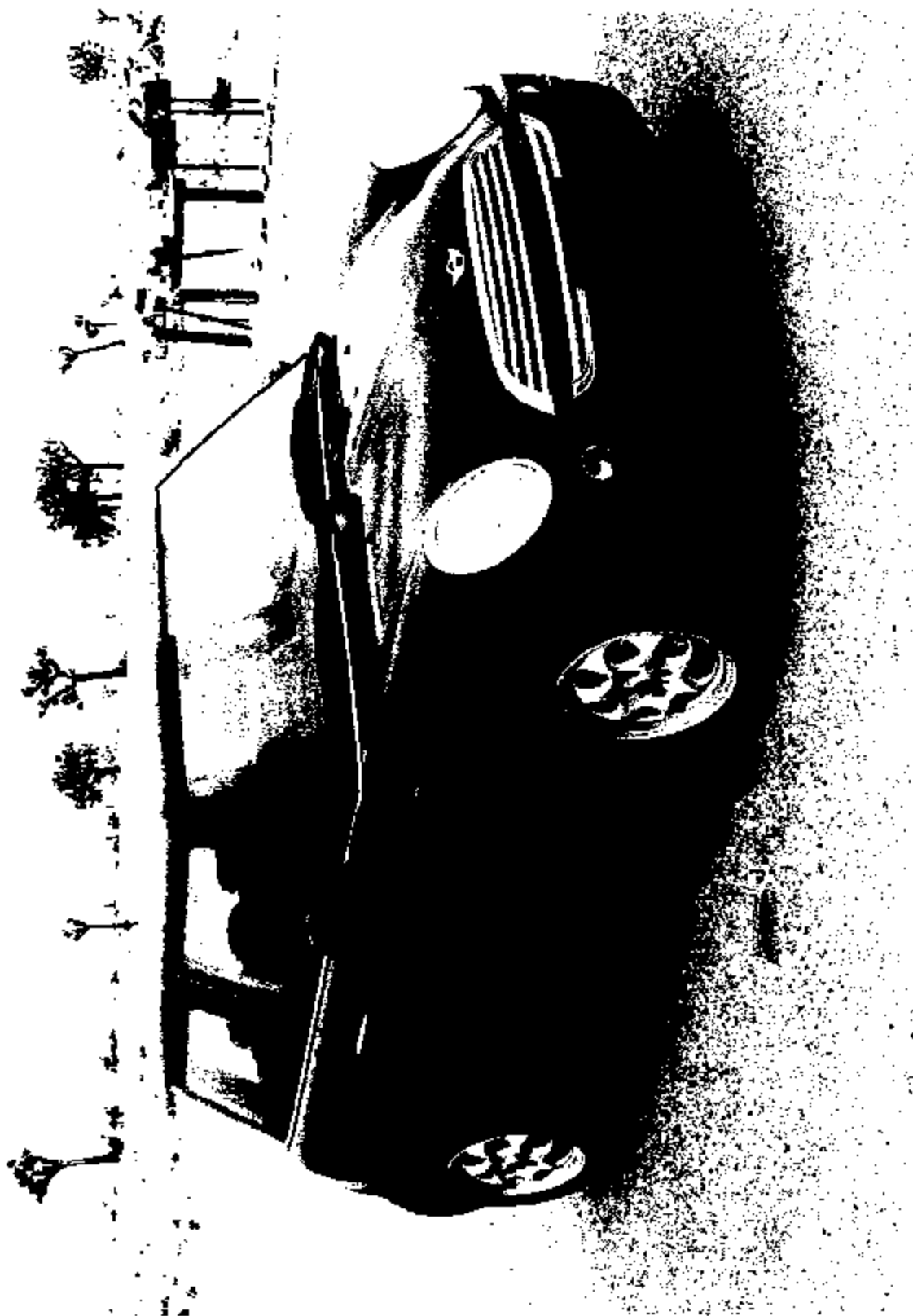


Figure 1: 3/4 Frontal View From Right Side of Vehicle

2004 BMW MINI COOPER
NHTSA NO. C40501
FMVSS NO. 118

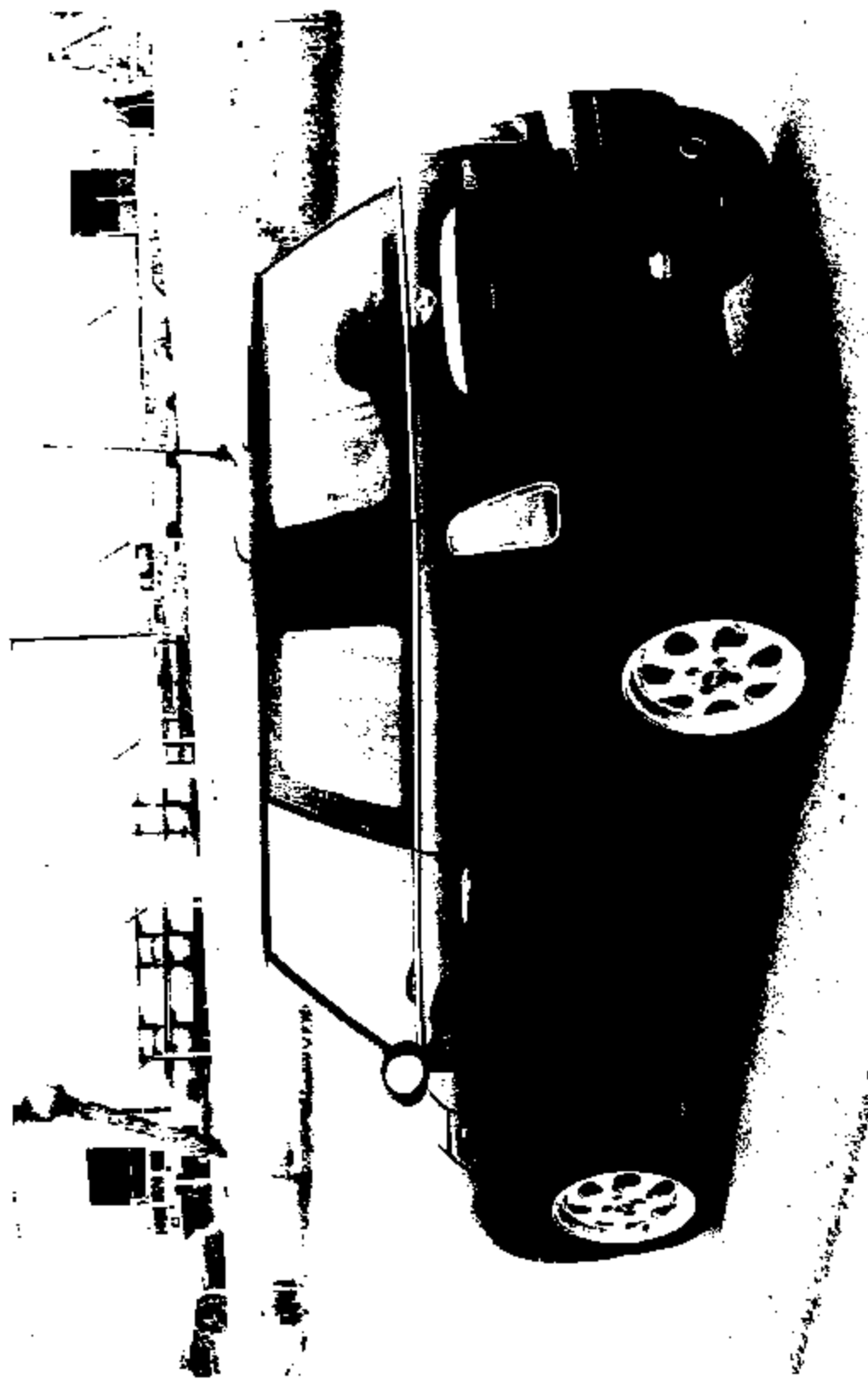


Figure 2: 3/4 Rear View From Left Side of Vehicle

2004 BMW MINI COOPER
NHTSA NO. C40501
FMVSS NO. 118

ad 16	MINI	e 300 207 a
pression de produit		
kg		
ère		
psi		
38		
35		
35		
61		
33		
30		
35		
51		



MINI COOPER **VEHICLE TYPE: PASSENGER CAR**

MFD BY BAYERISCHE MOTORENWERKE AG 10/03

GVWR 3340 lbs 1515 kg REAR 1609 lbs 730 kg
 GAWR FRONT 1918 lbs 870 kg

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

WMWRC33464



Figure 3: Vehicle Certification Label

2004 BMW MINI COOPER
 NHTSA NO. C40501
 FMVSS NO. 118

Correct tire pressure is essential for your and every body's safety. Incorrect tire pressure can lead to a serious crash (no vehicle stability, tire destruction).
 La correcte pression de gonflage de pneus est essentielle pour votre sécurité et celle des autres. Une pression incorrecte de gonflage peut mener à des collisions graves (pas de stabilité du véhicule, destruction de pneus).

Vehículo capacidad / Charge utile	816 lbs. 370 kg	
	avant / avant	rear / arrière
Le grand cargo capacity / Capacité de charge	kPa	psi
Load per inflation pressure / Pression de gonflage en fonction	kPa	psi
▲ 175/60 R 16 82 QM+S	280	33
▲ 175/65 R 16 84 QM+S	240	35
▲ 185/55 R 16 87 QM+S	240	35
▲ 205/45 R 17 84 QM+S	240	35
▲ 195/55 R 16 87 H M+S	240	35
▲ 205/45 R 17 84 V M+S	240	35
▲ 195/55 R 16 87 H	220	31
▲ 205/45 R 17 84 V	230	33
▲ 175/65 R 15 94 H M+S	220	30
● 175/65 R 15 94 H	230	30
■ 115/70 R 15 90 M	450	61

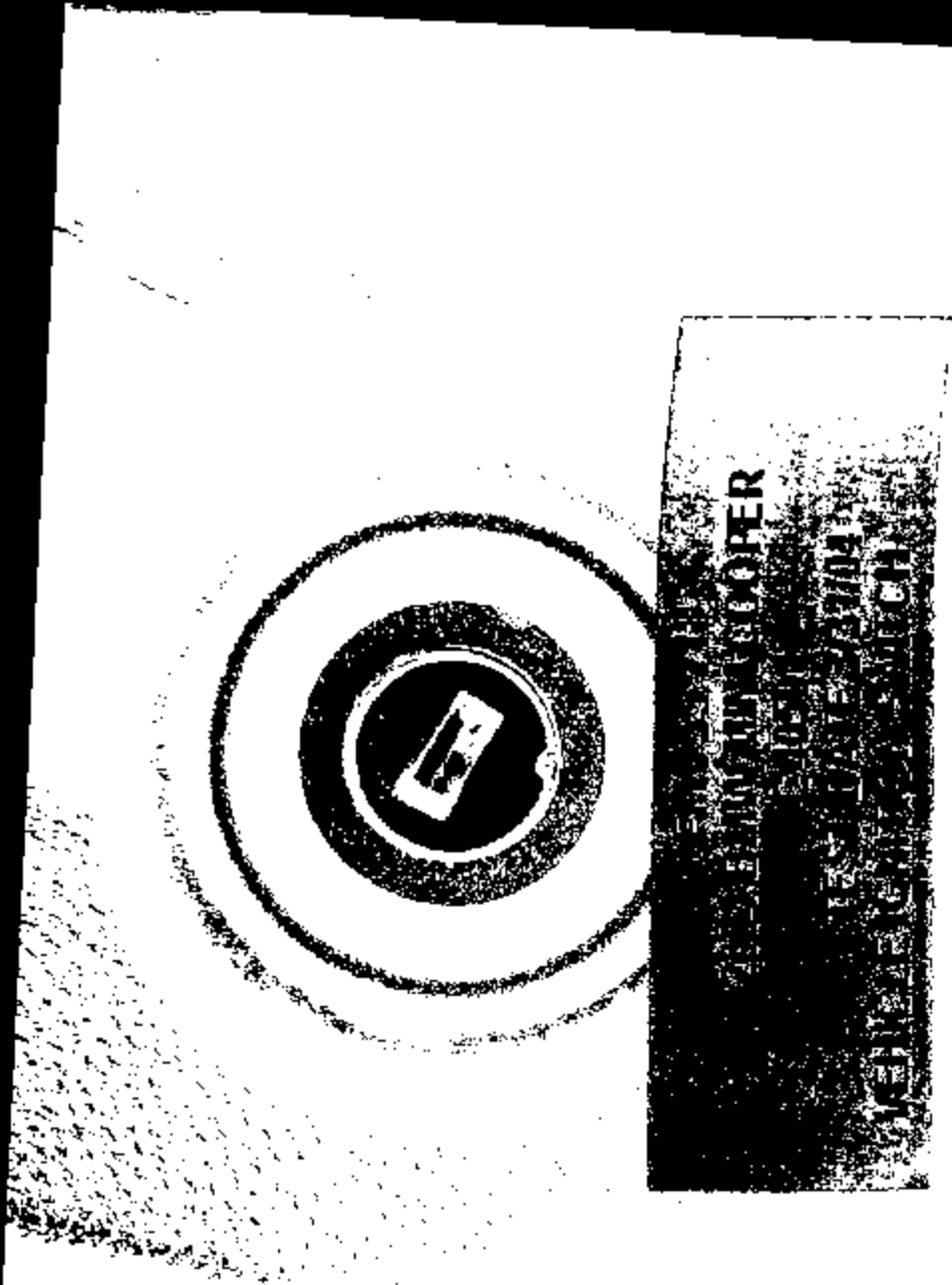
Recommended tire size
 Dimension des pneus recommandée

- ▲ 175/60 R 16 82 QM+S
- ▲ 175/65 R 16 84 QM+S
- ▲ 185/55 R 16 87 QM+S
- ▲ 205/45 R 17 84 QM+S
- ▲ 195/55 R 16 87 H M+S
- ▲ 205/45 R 17 84 V M+S
- ▲ 195/55 R 16 87 H
- ▲ 205/45 R 17 84 V
- ▲ 175/65 R 15 94 H M+S
- 175/65 R 15 94 H
- 115/70 R 15 90 M

6 830 207 a

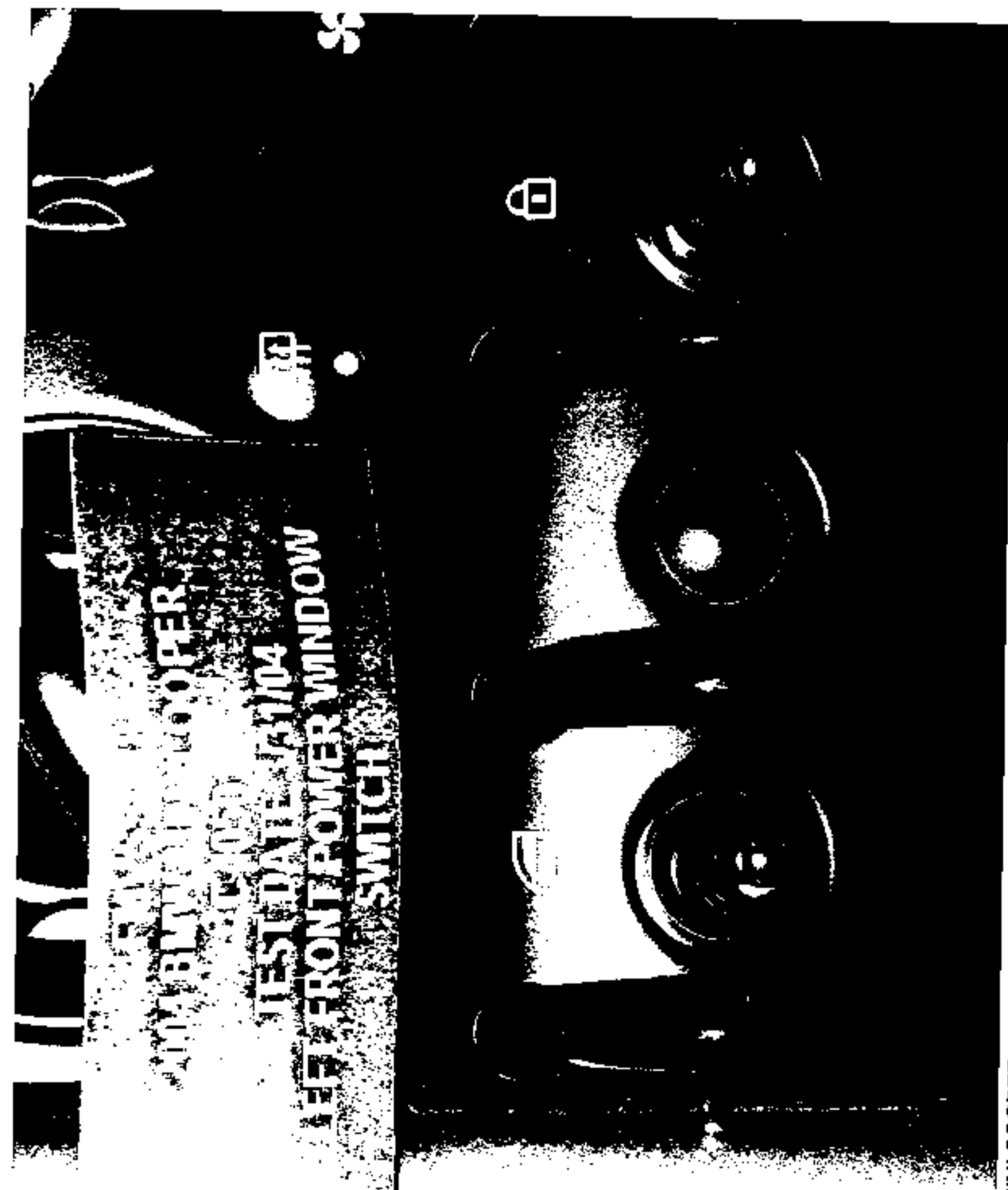
2004 BMW MINI COOPER
 NHTSA NO. C40501
 FMVSS NO. 118

Figure 4: Tire Information Placard



2004 BMW MINI COOPER
NHTSA NO. C40501
FMVSS NO. 118

Figure 5: Ignition Switch



2004 BMW MINI COOPER
NHTSA NO. C40501
FMVSS NO. 11B

Figure 6: Left Front Power Window Switch

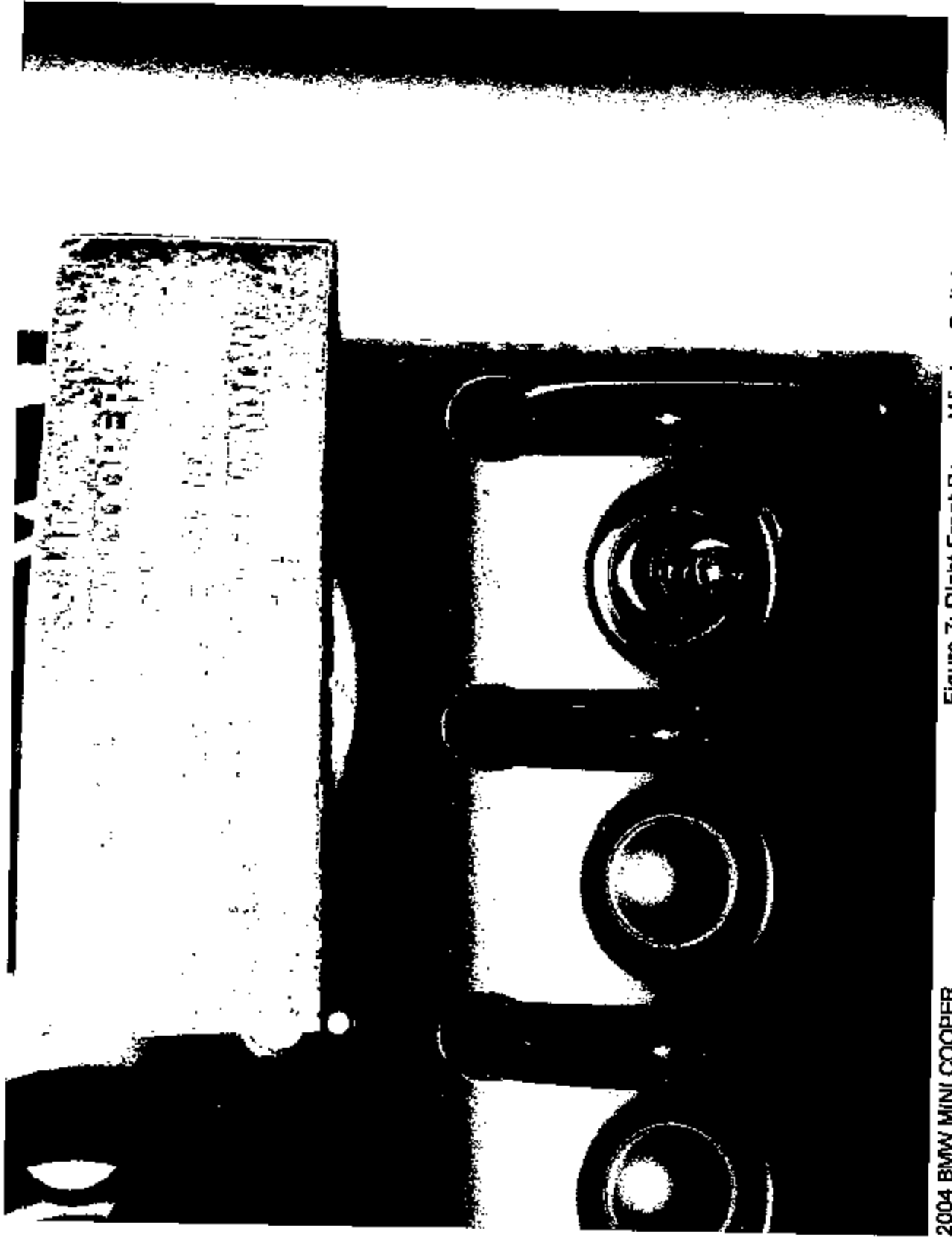
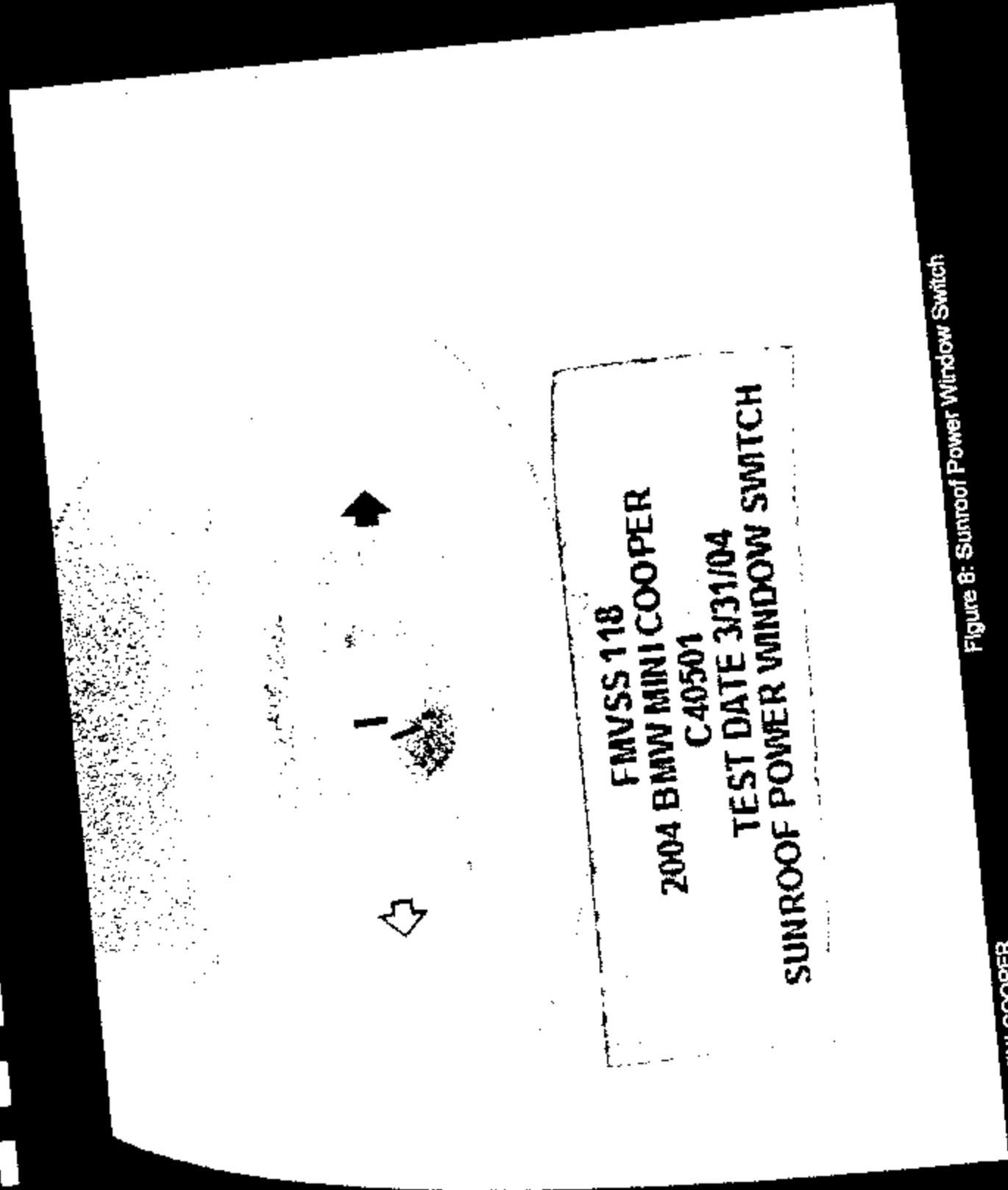


Figure 7: Right Front Power Window Switch

2004 BMW MINI COOPER
NHTSA NO. C40501
FMVSS NO. 118



FMVSS 118
2004 BMW MINI COOPER
C40501
TEST DATE 3/31/04
SUNROOF POWER WINDOW SWITCH

Figure B: Sunroof Power Window Switch

2004 BMW MINI COOPER

5. **COPY OF OWNER'S MANUAL INSTRUCTION FOR USE OF POWER WINDOWS**

COPY OF OWNER'S MANUAL INSTRUCTIONS FOR USE OF POWER WINDOWS

VEHICLE			
YEAR	2004	MAKE	BMW
MODEL	MINI COOPER	BODY STYLE	2 Door Coupe
NHTSA NO.	C40501	VIN	WMWRC33464
TEST DATE:	03/31/04		

OWNER'S MANUAL

MINI COOPER
MINI COOPER S



COPY OF OWNER'S MANUAL INSTRUCTIONS FOR USE OF POWER WINDOWS

VEHICLE			
YEAR	2004	MAKE	BMW
MODEL	MINI COOPER	BODY STYLE	2 Door Coupe
NHTSA NO.	C40501	VIN	WMWRC33484
TEST DATE:	03/31/04		

IGNITION LOCK



0 Steering locked

The key can be inserted or removed in this position.

To lock the steering:

1. Remove the key.
 2. Turn the steering wheel slightly to the left or right until the alarm engages.
- Remove your hands off if the key remains in the ignition after opening the driver's door.

Vehicles with Continuously Variable automatic transmission (CVT).

Do not move the selector lever from position P until the engine is running. The ignition key cannot be turned to position 2 and removed until the selector lever is in position P interlock.

1 Steering unlocked

Individual electrical accessories are ready for operation.

You will find that it is often easier to turn the ignition key from position 0 to position 1 when you move the steering wheel slightly to help disengage the lock.

2 Ignition switched on

All electrical accessories are ready for operation.

3 Starting the engine

- Vehicles with manual transmission. Step on the clutch when starting the vehicle. A lockout prevents the engine from starting if the clutch is not depressed. ◀

STARTING THE ENGINE

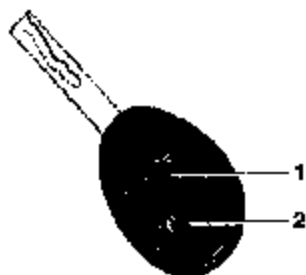
- Do not let the engine warm up with the vehicle at a standstill. Move off immediately at a moderate engine speed. ◀

⚠ Do not allow the engine to run in enclosed spaces. Breathing the noxious exhaust gases can lead to unconsciousness and death. The exhaust gases contain carbon monoxide, an odorless and colorless, but highly toxic gas. Do not leave the vehicle unattended with the engine running. This is a safety hazard. When driving, standing, at idle, and parking the vehicle, take care to avoid contact between the hot exhaust system and flammable materials, e.g. hay, grass, leaves, etc. Such contact could lead to a fire resulting in serious personal injury and property damage. ◀

COPY OF OWNER'S MANUAL INSTRUCTIONS FOR USE OF POWER WINDOWS

VEHICLE			
YEAR	2004	MAKE	BMW
MODEL	MINI COOPER	BODY STYLE	2 Door Coupe
NHTSA NO.	C40501	VIN	WMWRC33464
TEST DATE:	03/31/04		

OPENING AND CLOSING: FROM OUTSIDE





- 1 Unlocking and convenience opening
- 2 Locking and securing


If the remote control does not react, the battery is discharged.


In the event of a system malfunction, please contact your MINI Dealer. You can also obtain replacement keys and batteries there.


Battery changing, refer to page 22. ◀

Unlocking


1. Press button  once to unlock the driver's door only. The interior lamps are switched on and the hazard warning flashers flash twice.*
2. Press button  a second time to unlock the other door as well as the tailgate and the fuel filler door.


 You can have this function activated/deactivated by your MINI Dealer. ◀


 If none of the vehicle doors are opened within 2 minutes, the central locking system locks the vehicle automatically. The anti-theft system is not activated. To deadlock the vehicle, refer to the next column. ◀

 You can have the vehicle's automatic locking feature activated/deactivated. ◀


Convenience opening mode

Press and hold button . The power windows and glass sunroof are opened.

 You can have the opening of the windows and glass sunroof with the remote control activated/deactivated. ◀

 Convenience closing is not possible by means of the remote control. ◀

Locking and securing

Press button . The hazard warning system flashes once.

COPY OF OWNER'S MANUAL INSTRUCTIONS FOR USE OF POWER WINDOWS

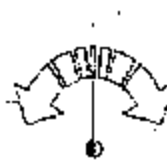
VEHICLE			
YEAR	2004	MAKE	BMW
MODEL	MINI COOPER	BODY STYLE	2 Door Coupe
NHTSA NO.	C40501	VIN	WMWRC33484
TEST DATE:	03/31/04		

OPENING AND CLOSING: FROM OUTSIDE

Malfunctions


External systems or devices may cause local interference in the functions of the remote control.

In this case, unlock the vehicle via the door lock.



Via the door lock

1. One turn of the key in the driver's door lock unlocks the driver's door only
2. Turning the key a second time unlocks the other door, the tailgate and the fuel filler door.

 You can have this function activated/deactivated by your MINI Dealer. ◀

If the vehicle has been properly locked, the hazard warning system flashes once. When the vehicle is unlocked, the hazard warning system flashes twice*.

Manual operation


In the event of electrical malfunction:

The driver's door can be locked or unlocked by turning the key in the door lock all the way to the left or right.

Convenience closing via the door lock

You can also close the power windows and the glass sunroof via the door lock.

With the door closed, hold the key in the locking position.

 You can have the closing of the windows and glass sunroof via the door lock activated/deactivated. ◀

COPY OF OWNER'S MANUAL INSTRUCTIONS FOR USE OF POWER WINDOWS

VEHICLE			
YEAR	2004	MAKE	BMW
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TEST DATE:	03/31/04		

GLASS SUNROOF, ELECTRIC*

⚠ To prevent injuries, exercise care when closing the glass sunroof and keep it in your field of vision until it is shut. Make sure that the closing path of the sunroof is clear.

When leaving the vehicle, always remove the ignition key from the lock and remember to close the doors, e.g. to prevent children from operating the sunroof and injuring themselves.

Be sure that adequate clearance is maintained for the opening path of the glass sunroof; otherwise damage can occur. ◀

Convenience operation

For convenience operation using the remote control refer to page 24, for operation via the door lock refer to page 25.



To raise

From ignition key position 1:

Press the switch

or

push the switch backwards to the resistance point.

To open and close

From ignition key position 1:

1. Push the switch in the desired direction until you feel resistance, and hold in this position
2. Release the switch when the desired sunroof position has been reached.

⚠ Do not use force to close the glass sunroof in its raised position, as damage to the mechanism could result. ◀

After the ignition has been switched off:

You can continue using the electric power windows for a limited period as long as no one opens any of the doors.

If a door is opened during operation, the opening/closing process stops immediately.

Automatic opening and closing

From ignition key position 2:

To open:

Push the switch back past the point of resistance:
The sunroof opens completely.

To close:

1. Press the switch past the pressure point:
The sunroof closes to the raised position
2. Press the switch again and keep it depressed:
The sunroof closes completely.

Touching the switch briefly during opening and closing stops the movement immediately.

COPY OF OWNER'S MANUAL INSTRUCTIONS FOR USE OF POWER WINDOWS

VEHICLE			
YEAR	2004	MAKE	BMW
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TEST DATE:	03/31/04		

GLASS SUNROOF, ELECTRIC*

Pinch protection

While closing, the glass sunroof encloses the interior. As long as the fast sensor is active, the closing procedure is interrupted if there is an obstacle.

⚠ Despite the pinch protection, be aware of the possibility that the travel path of the sunroof is not obstructed whenever the glass sunroof moves. It is not guaranteed that the pinch protection will be interrupted, for instance if the obstructions are not detected by the sensor.

Deactivate the pinch protection by pressing the button just the pressure point (arrow 1) in the image.

⚠ When using the sun roof from the closed position, ensure that the travel path of the sunroof is not obstructed since the pinch protection is not active in this position. ◀

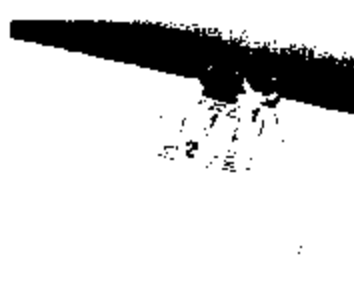


Manual opening and closing

In the event of an electrical malfunction, you can also open and close the glass sunroof manually.

1. Push the lock towards the interior and remove.
2. Use an Allen key to turn the glass sunroof in the direction required.

ROLLER SUN BLIND*



1. Opening

1. Press the button in the handle, arrow 1. The cap is unlocked.
2. Guide the roller sun blind towards the back.

2. Closing

1. Use the handle to pull the roller sun blind forward.
2. Engage the handle in the device, arrow 2.

COPY OF OWNER'S MANUAL INSTRUCTIONS FOR USE OF POWER WINDOWS

VEHICLE			
YEAR	2004	MAKE	BMW
MODEL	MINI COOPER	BODY STYLE	2 Door Coupe
NHTSA NO.	C40501	VIN	WMWRC33464
TEST DATE:	03/31/04		

ELECTRIC POWER WINDOWS



To open and close windows

From ignition key position 2:

To open:

press the switch downwards.

The window opens until you release the switch.

or

briefly press the switch downwards.

The window opens automatically.

Pressing the switch again stops the operation.

To close:

press the switch upwards.

The window closes until you release the switch.

or

with the engine running:

Briefly press the switch upwards.

The window closes automatically.

Pressing the switch again stops the operation.

The window on the front passenger's side cannot be closed automatically. ◀

⚠ Watch during the closing process to ensure that no one is injured. ◀

After the ignition has been switched off:

You can continue using the electric power windows for a limited period as long as no one opens any of the doors.

If a door is opened during operation, the opening/closing process stops immediately.

⚠ When leaving the vehicle, always remove the ignition key from the lock and remember to close the doors, e.g. to prevent children from operating the power windows and injuring themselves. ◀

Convenience operation

For convenience operation using the remote control refer to page 24, for operation via the door lock refer to page 25.

To initialize power windows

⚠ If the battery is disconnected, e.g. for changing batteries or vehicle storage, re-initialize the power windows. Otherwise the windows will not be lowered when the door is opened. ◀

1. Close the doors.
2. Close both windows.
3. Hold both switches of the power windows up for approx. one second.

- ◀ In the event of a system malfunction, please contact your MINI Dealer. ◀