REPORT NUMBER 118-GTL-20-005

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

AUDI AG
2020 AUDI A3 PASSENGER CAR
NHTSA NO. C20205800

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

January 21, 2020

FINAL REPORT

PREPARED FOR

U. S. DEPARTMENT OF TRANSPORTATION
NATIONAL HIGHWAY TRAFFIC SAFETY ADMINISTRATION
ENFORCEMENT
OFFICE OF VEHICLE SAFETY COMPLIANCE
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SECTION 1

PURPOSE OF COMPLIANCE TEST

1.0 PURPOSE OF TEST

A model year 2020 AUDI A3 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 2020 AUDI A3 PASSENGER CAR. The vehicle was identified as follows:

A. Vehicle Identification Number: WAUAUGFF5LA002982

B. NHTSA No.: C20205800

C. Manufacturer: AUDI AG

D. Manufacture Date: 07/19

1.2 TEST DATE

The test vehicle was subjected to FMVSS No. 118 testing on January 6, 2020.

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-118-06, “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 Off with Key Removed Test
H. Perform Occupant Compartment Actuation Device Test(Sphere Test and Pull up or Pull Out Test)
I. Perform Auto Reverse Force Testing (information purpose 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 2020 AUDI A3 PASSENGER CAR.

FMVSS 118
COMPLIANCE DATA SUMMARY SHEET

VEHICLE MAKE/MODEL/BODY STYLE: 2020 AUDI A3

VEHICLE NHTSA NO: C20205800 VIN: WAUAUGFF5LA002982

VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 07/19

LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 01/06/20

REQUIREMENT	PASS	FAIL	N/A
S4 Interior Locking system in Off Position(s)	X		
S4 Interior Locking System Off 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:

RECORDED BY: G. Farrand DATE: 01/06/20

APPROVED BY: D. Messick

WPRP PRE-OPERATIONAL CHECK

VEHICLE MAKE/MODEL/BODY STYLE: 2020 AUDI A3
VEHICLE NHTSA NO: C20205800 VIN: WAUAUGFF5LA002982
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 07/19
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 01/06/20

Identify power-operated WPRP and WPRP actuation devices

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

Master Control Panel Location: Driver's door panel

WPRP Exterior Locking System Location: Driver's door handle

WPRP Remote Control Type: ( ) Line of Sight ( ) Non-line of Sight (X) Both ( ) N/A

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

Master Control Panel Push/Pull
Individual Window Push/Pull
Roof Panel Push/Pull
Vents N/A

Interior Locking System Key Positions (clockwise): Off, Accessory, On, Start

All WPRP open/close cycles are satisfactory with key in "ON" position:
(X) YES ( ) NO If NO, compliance test shall not proceed

All WPRP open/close cycles are satisfactory with key in "ACCESSORY" position:
(X) YES ( ) Not Applicable –Not operative in Accessory position

REMARKS:

RECORDED BY: G. Farrand DATE: 01/06/20
APPROVED BY: D. Messick

DATA SHEET 1
INTERIOR LOCKING SYSTEM TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2020 AUDI A3
VEHICLE NHTSA NO: C20205800 VIN: WAUAUGFF5LA002982
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 07/19
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 01/06/20

Key lock position at start of test execution: (X) ON ( ) ACCESSORY THEN TO
Key lock off position during test execution: ( ) 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
Vent Window(s)							
Tail Gate (TG)							
Partition (P)							
Roof Panel (RP)		X	X		X		P
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
Vent Window(s)							
Tail Gate Window							
Partition Window							
Roof Panel Window		X	X		X		P

REMARKS:

RECORDED BY: G. Farrand DATE: 01/06/20
APPROVED BY: D. Messick

DATA SHEET 2
INTERIOR LOCKING SYSTEM WITH KEY REMOVED TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2020 AUDI A3
VEHICLE NHTSA NO: C20205800 VIN: WAUAUGFF5LA002982
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 07/19
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 01/06/20

Key lock position at start of test execution: (X) ON (X) ACCESSORY Then: Engine off, and key out of range.

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)							
Vent Windows(s)							
Partition (P)							
Roof Panel (RP)		X	X		X		P
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
Vent Window(s)							
Tail Gate Window							
Partition Window							
Roof Panel Window		X	X		X		P

REMARKS:

RECORDED BY: G. Farrand DATE: 01/06/20
APPROVED BY: D. Messick

DATA SHEET 3
EXTERIOR LOCKING SYSTEM TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2020 AUDI A3
VEHICLE NHTSA NO: C20205800 VIN: WAUAUGFF5LA002982
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 07/19
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 01/06/20

Is vehicle equipped with an exterior locking system that can close any of the power windows, partitions, or roof panels? (X) YES ( ) NO

Location of exterior locking system: Driver's Door Handle. Touch button or rotating key lock

Describe how the exterior locking system is activated: Windows can be closed by touching button in Door Handle while holding Key FOB in hand or by inserting metal key into door lock and rotating clockwise and holding.

Identify the windows, partitions or roof panels that can be closed by the exterior system. Also, in each case, identify whether continuous activation of the locking system is required.

WINDOW, PARTITION AND ROOF PANEL IDENTIFICATION	EXTERIOR LOCKING SYSTEM		EXTERIOR LOCKING SYSTEM (PASS/FAIL)*
	OPERABLE (YES/NO)	CONTINUOUS ACTIVATION REQUIRED (YES/NO)	
LEFT FRONT (LF)	YES	YES	P
RIGHT FRONT (RF)	YES	YES	P
LEFT REAR (LR)	YES	YES	P
RIGHT REAR (RR)	YES	YES	P
VENT WINDOW(S)			
PARTITION(P)			
ROOF PANEL (RP)	YES	YES	P
TAIL GATE (TG)			

*NOTE: Continuous activation of the locking system is required for each WPRP to pass the exterior locking system safety standard requirement.

REMARKS:

RECORDED BY: G. Farrand DATE: 01/06/20
APPROVED BY: D. Messick

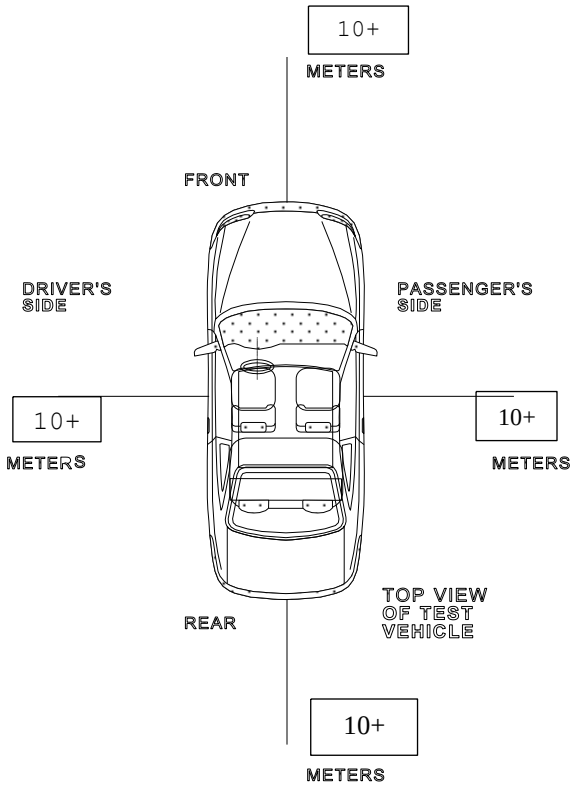
DATA SHEET 4
REMOTE ACTUATION DEVICE

VEHICLE MAKE/MODEL/BODY STYLE: 2020 AUDI A3
VEHICLE NHTSA NO: C20205800 VIN: WAUAUGFF5LA002982
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 07/19
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 01/06/20

Type of remote actuation device installed on vehicle (check one):
( ) Non Line-Of-Site* ( ) Line-of-Site (X) None

Measured range of Operation:
Record the maximum operating distance of the remote actuation device in the boxes below. The range of operation shall not exceed six meters for a **Non-Line-of-Site Device** or eleven meters for a **Line-of-Site Device** in any measured direction and continuous activation of the remote actuation device is required until all operable windows, partitions, or roof panels are completely closed.

Pass/Fail P*



REMARKS: *Remote Key FOB will only open windows.

RECORDED BY: G. Farrand DATE: 01/06/20
APPROVED BY: D. Messick

DATA SHEET 5
OCCUPANT COMPARTMENT ACTUATION DEVICE TEST
SPHERE TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2020 AUDI A3
VEHICLE NHTSA NO: C20205800 VIN: WAUAUGFF5LA002982
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 07/19
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 01/06/20

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	YES
Right Front (RF)	YES	NO	PASS	YES
Left Rear (LR)	YES	NO	PASS	YES
Right Rear (RR)	YES	NO	PASS	YES
Tail Gate (TG)				
Vent Window(s)				
Partition (P)				
Roof Panel (RP)				
INDIVIDUAL ACTUATION DEVICES				
Left Front (LF)	YES	NO	PASS	YES
Right Front (RF)	YES	NO	PASS	YES
Left Rear (LR)	YES	NO	PASS	YES
Right Rear (RR)	YES	NO	PASS	YES
Vent Window(s)				
Tail Gate(TG)				
Partition(P)				
Roof Panel (RP)	YES	NO	P	YES

*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.

REMARKS:

RECORDED BY: G. Farrand DATE: 01/06/20
APPROVED BY: D. Messick

DATA SHEET 6
OCCUPANT COMPARTMENT ACTUATION DEVICE TEST
FOR POWER-OPERATED WINDOWS ONLY
PULL UP OR PULL OUT TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2020 AUDI A3
VEHICLE NHTSA NO: C20205800 VIN: WAUAUGFF5LA002982
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 07/19
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 01/06/20

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	YES
Right Front (RF)	A	PULL UP	PASS	YES
Left Rear (LR)	A	PULL UP	PASS	YES
Right Rear (RR)	A	PULL UP	PASS	YES
Vent Window(s)				
INDIVIDUAL ACTUATION DEVICES				
Left Front (LF)	A	PULL UP	PASS	YES
Right Front (RF)	A	PULL UP	PASS	YES
Left Rear (LR)	A	PULL UP	PASS	YES
Right Rear (RR)	A	PULL UP	PASS	YES
Vent Window(s)				

RECORDED BY: G. Farrand DATE: 01/06/20
APPROVED BY: D. Messick

DATA SHEET 7
WPRP PHYSICAL CONTACT REVERSAL CAPABILITY

VEHICLE MAKE/MODEL/BODY STYLE: 2020 AUDI A3
VEHICLE NHTSA NO: C20205800 VIN: WAUAUGFF5LA002982
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 07/19
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 01/06/20

WPRP's equipped with reversal capability: LF, RF, LR, RR, ROOF PANEL
WPRP's that must meet reversal requirement: NONE
Locking System Position: UN-LOCK

GTL Test #	Window, Partition, Roof Panel	Test Rod Placement in Window, Partition or Roof Panel	Test Rod Size/Deflection	Window, Partition or Roof Panel Opening Before/After Closing (mm)	Maximum Force Measured on Test Rod (Newtons)	Window, Partition, or Roof Panel Reversing Distance (mm)	Pass/Fail*
7841	LEFT FRONT	REAR	6MM/65NM	245/265	89	20	N/A*
7842	LEFT REAR	CENTER	6MM/65NM	170/230	82	60	N/A*
7843	RIGHT FRONT	FORWARD	6MM/65NM	180/315	85	135	N/A*
7844	RIGHT REAR	REAR	6MM/65NM	173/265	83	92	N/A*
7845	ROOF PANEL	CENTER	6MM/65NM	170/427	53	257	N/A*

*WPRP must reverse direction before contacting or exerting a squeezing force of 100 Newtons. Upon such reversal, the WPRP must open to one of the following positions.

A. A position that is at least as open as the position at the time closing was initiated
B. A position that is not less than 125 mm more open than the position at the time the window reversed direction, or
C. A position that permits a semi-rigid cylindrical rod that is 200 mm in diameter to be placed through the opening at the same contact point(s) used in 12.5.

REMARKS: *Vehicle does not need to meet the reversing requirements (FMVSS 118, S5) and this test was run for informational purposes only.

RECORDED BY: G. Farrand DATE: 01/06/20
APPROVED BY: D. Messick

SECTION 4
TEST EQUIPMENT LIST

VEHICLE MAKE/MODEL/BODY STYLE: 2020 AUDI A3
VEHICLE NHTSA NO: C20205800 VIN: WAUAUGFF5LA002982
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 07/19
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 01/06/20

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	36 MO.	09/26/19	

REMARKS:

RECORDED BY: G. FARRAND DATE: 01/06/20

APPROVED BY: D. MESSICK

SECTION 5

PHOTOGRAPHS



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.1
¾ FRONTAL VIEW FROM LEFT SIDE OF VEHICLE



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.2
¾ REAR VIEW FROM RIGHT SIDE OF VEHICLE



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.3
CLOSE-UP VIEW OF VEHICLE CERTIFICATION LABEL



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.4
CLOSE-UP VIEW OF TIRE INFORMATION LABEL



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.5
CLOSE-UP VIEW OF LEFT FRONT/MASTER POWER WINDOW SWITCHES



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

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



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.7
CLOSE-UP VIEW OF LEFT REAR POWER WINDOW SWITCH



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

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



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.9
CLOSE-UP VIEW OF ROOF PANEL CONTROL SWITCH



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.10
SPHERE TEST ON LEFT FRONT/MASTER WINDOW SWITCH



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.11
SPHERE TEST ON RIGHT FRONT WINDOW SWITCH



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.12
SPHERE TEST ON LEFT REAR WINDOW SWITCH



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.13
SPHERE TEST ON RIGHT REAR WINDOW SWITCH



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.14
SPHERE TEST ON ROOF PANEL CONTROL SWITCH



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.15
TEST INSTRUMENTATION SET-UP



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.16
PINCH FORCE TEST ON LEFT FRONT WINDOW



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.17
PINCH FORCE TEST ON LEFT REAR WINDOW



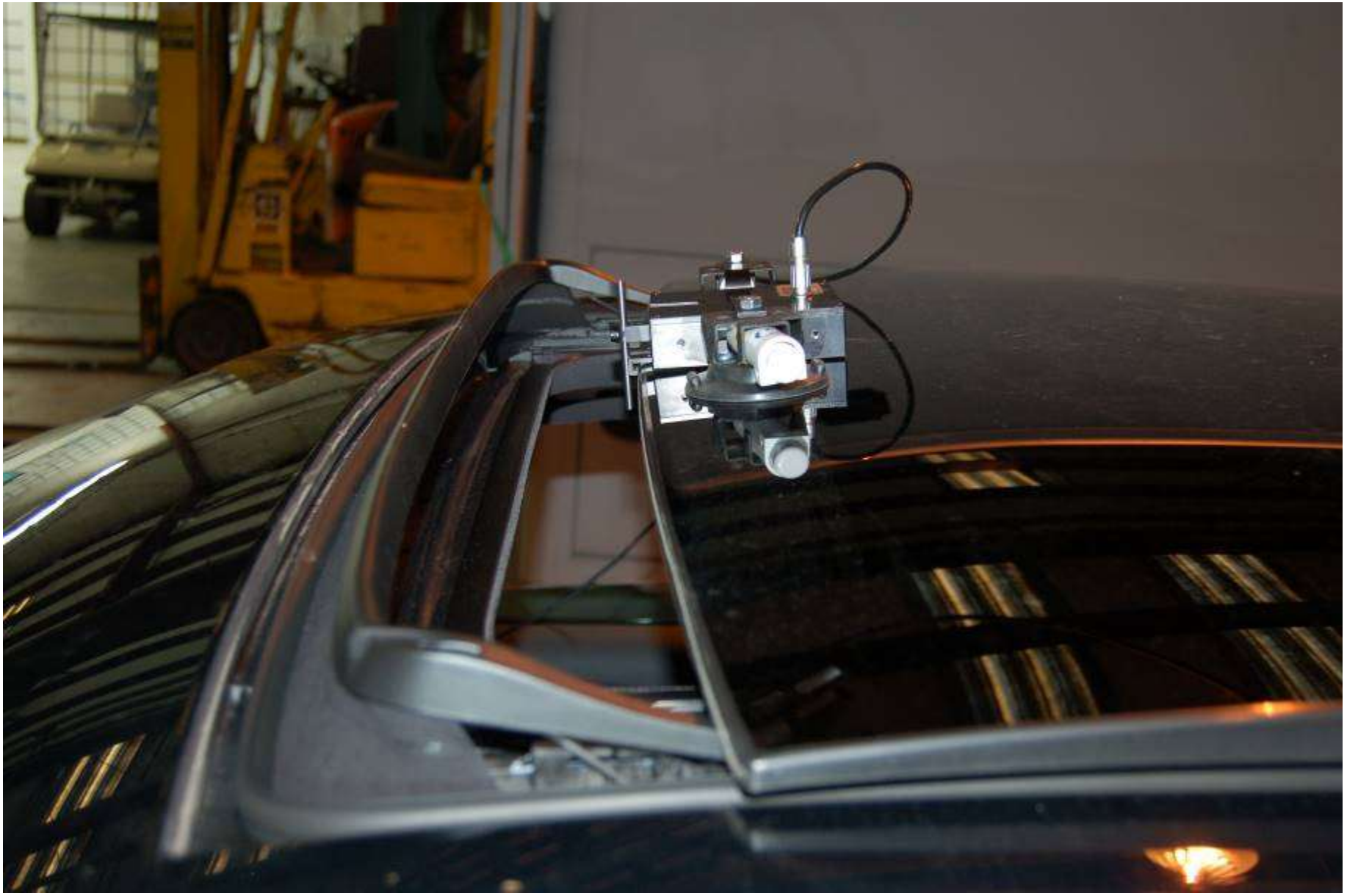
2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.18
PINCH FORCE TEST ON RIGHT FRONT WINDOW



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.19
PINCH FORCE TEST ON RIGHT REAR WINDOW



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.20
PINCH FORCE TEST ON ROOF PANEL



2020 AUDI A3
NHTSA NO. C20205800
FMVSS NO. 118

FIGURE 5.21
DRIVER DOOR CONTROL BUTTON AND KEY SWITCH

SECTION 6
OWNER'S MANUAL INFORMATION

– Always make sure no one is in the luggage compartment lid's range of motion when it is closing, especially near the hinges. Fingers or hands could be pinched.

Tips

– When the vehicle is locked, the luggage compartment lid can be unlocked separately by pressing the button on the remote control key. The luggage compartment lid locks automatically when it is closed again.
– In case of an emergency or a faulty handle, the luggage compartment lid can be opened manually from the inside ⇨ *page 32*.

Mechanically unlocking the luggage compartment lid from the inside

Applies to: vehicles with emergency release from inside

The luggage compartment lid can be released from the inside in an emergency.



Applies to: version 1
Fig. 27 Section of the luggage compartment: access to the emergency release



Applies to: version 2
Fig. 28 Section of the luggage compartment: access to the emergency release

Applies to: vehicles with emergency release from the outside: Note the information in ⇨ *page 32*.

Mechanically unlocking the luggage compartment lid from the outside.

Applies to: version 1

- Fold the backrest on the rear bench seat forward ⇨ *page 62*.
- Pry off the cover using the key bit on the opened vehicle key ① ⇨ *fig. 27*.
- Press the lever with the key in the direction of the arrow ② to release the luggage compartment lid.

Applies to: version 2

- Fold the backrest on the rear bench seat forward ⇨ *page 62*.
- Remove the screwdriver from the vehicle tool kit ⇨ *page 348*. Use the flat side of the reversible screwdriver blade.
- Use the screwdriver to pry the cover off ③ ⇨ *fig. 28*.
- Press the lever with the key in the direction of the arrow ④ to release the luggage compartment lid.

Mechanically unlocking the luggage compartment lid from the outside

Applies to: vehicles with emergency release from outside



Fig. 29 Luggage compartment lid: emergency release lock cylinder

- Insert the key into the lock cylinder near the handle.
- Turn the key counterclockwise.

Child safety lock

Applies to: vehicles with mechanical child safety locks

The child safety lock prevents the rear doors from being opened from the inside and the rear power windows from being operated.



Fig. 30 Section of driver's door: controls



Fig. 31 Rear door: manual child safety lock

- To activate or deactivate the child safety lock for the power window switches in the rear doors, press the switch in the driver's door ⇨ *fig. 30*. The indicator light in the button turns on/blinks.
- To activate or deactivate the manual child safety lock for the rear door handle, open the rear door and turn the key switch either in the direction of the arrow (to activate) or opposite the direction of the arrow (to deactivate) using with the vehicle key ⇨ *fig. 31*. This will disable the function of the rear door handle.
- Make sure the child safety lock is working by checking the function on the rear power window switch and door handle.

Message in the instrument cluster display

Childproof catch: malfunction! Please contact Service

There is a malfunction in the child safety lock. Press the button again.

If the message stays on, drive immediately to an authorized Audi dealer or authorized Audi Service Facility to have the malfunction repaired.

WARNING

– If you leave the vehicle, switch the ignition off and take the vehicle key with you. This applies particularly when children remain in the vehicle. Otherwise children could start the engine or operate electrical equipment (such as power windows), which increases the risk of an accident.
– A malfunction in the child safety lock could allow the rear doors to be opened from the inside, which increases the risk of an accident.

Power windows

Controls

The driver can control all power windows.



Fig. 32 Driver's door: power window controls

All power window switches are equipped with a two-stage function:

Opening and closing the windows

- To open or close the window completely, press the switch down or pull the switch up briefly to the second level. The operation will stop if the switch is pressed or pulled again.
- To select a position in between opened and closed, press or pull the switch to the first level until the desired window position is reached. ▶

Power window switches

① Left front
② Right front
③ Left rear*
④ Right rear*
⑤ Central switch* for opening or closing all side windows at the same time

WARNING

- If you leave the vehicle, switch the ignition off and take the vehicle key with you. This applies particularly when children remain in the vehicle. Otherwise the children could start the engine or operate electrical equipment such as power windows.
- Pay careful attention when closing the windows. Pinching could cause serious injuries.
- When locking the vehicle from outside, the vehicle must be unoccupied since the windows can no longer be opened in an emergency.

Tips

- You can still open and close the windows for several minutes after turning the ignition off. The power window switch is not disabled until the driver's door or front passenger's door is opened.
- The power windows are equipped with pinch protection. The automatic window may stop closing and will open all the way again even if no obstacle is detected. Pull the power window switch up until the window is completely raised.

Convenience opening and closing

Applies to: vehicles with convenience opening/closing

All of the windows and the panoramic glass roof can be opened or closed at the same time.*

For power top convenience opening and closing, refer to the information in ⇨ *page 37*.

Convenience opening feature

- Press and hold the 🔓 button on the remote control key until all windows and the panoramic glass roof* have reached the desired position.

Or

- Hold the key in the driver's door lock until all windows and the panoramic glass roof* have reached the desired position.

Convenience closing feature

- Press the 🔒 button on the remote control key until all windows and the panoramic glass roof* are closed ⇨ ⚠. Or
- Applies to: vehicles with convenience key: Touch the sensor on one of the front door handles and continue touching it until all of the windows and the panoramic glass roof* are closed. Do not place your hand in the door handle when doing this.
- Hold the key in the driver's door lock in the lock position until all windows and the panoramic glass roof* are closed ⇨ ⚠.

Setting convenience opening in the Infotainment system

The function can be switched on/off in the Infotainment system ⇨ *page 29*.

WARNING

- Never close the windows or panoramic glass roof* carelessly or in an uncontrolled manner, because this increases the risk of injury.
- For security reasons, the windows and the panoramic glass roof* can only be opened and closed with the remote control key at a maximum distance of approximately 6.5 feet (2 m) away from the vehicle. Always pay attention when using the 🔒 button to close the windows and the panoramic glass roof* so that no one is pinched. The closing process will stop immediately when the 🔒 button is released.

Correcting power window malfunctions

You can reactivate the one-touch up/down function if it malfunctions.

- Pull the power window switch until the window is completely raised.
- Release the switch and pull it up again for at least one second.

Panoramic glass roof

Description

Applies to: vehicles with panoramic glass roof



Fig. 33 Section of headliner: panoramic glass roof button

The button has two stages. In the second stage, the roof automatically runs to the end position (open/closed) when the button is operated briefly. The operation will stop if the button is pressed/pulled again.

Ⓐ Tilting/sliding

- To tilt the sunroof completely, press the switch briefly to the second level.
- To close the roof completely, pull the button down briefly to the second level or slide the button forward briefly to the second level ⇨ ⚠.
- To select an intermediate position, press/pull the switch in the first level until the desired position is reached.

Ⓑ Opening/closing

- To open the sunroof completely, slide the button back to just before the second level.
- To close the roof completely, push the button forward briefly to the second level or pull the button down briefly to the second level ⇨ ⚠.
- To select an intermediate position, press/pull the switch forward/back in the first level until the desired position is reached.

Sunshade

The sunshade can be opened and closed manually, depending on the position of the panoramic glass roof. The sunshade can be opened partially.

WARNING

To reduce the risk of injury, always pay attention when closing the panoramic glass roof. Always switch the ignition off when leaving the vehicle and always take the vehicle key with you.

Note

Always close the panoramic glass roof when leaving your vehicle. Rain can cause damage to the interior equipment of your vehicle, particularly the electronic equipment.

Tips

- For information about convenience opening/closing, see ⇨ *page 34*.
- You can still operate the panoramic glass roof for about 10 minutes after the ignition is switched off. The switch is deactivated once the driver's or front passenger's door is opened.
- The panoramic glass roof can only be opened when the temperature is warmer than -4 °F (-20 °C).

Panoramic glass roof emergency closing

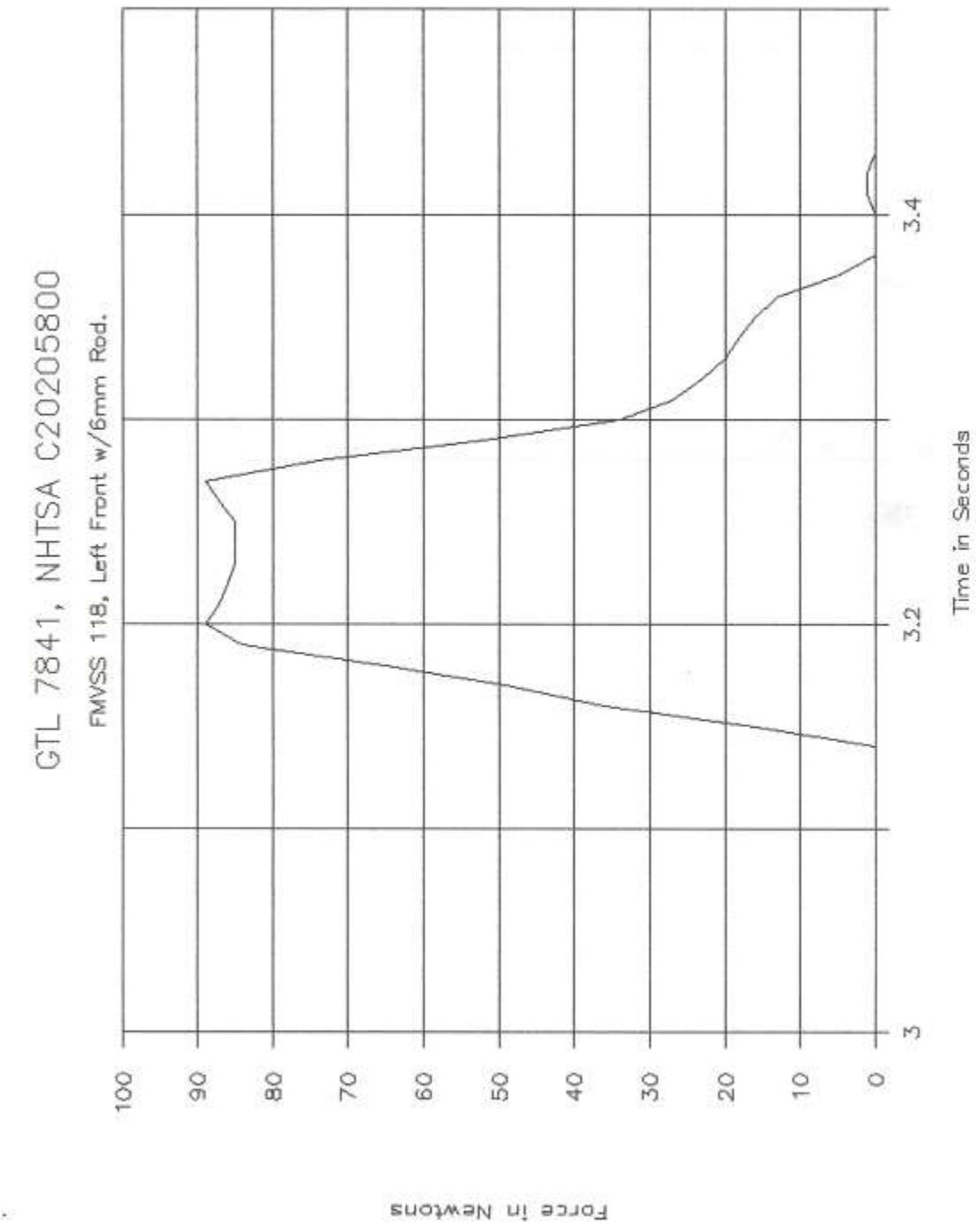
Applies to: vehicles with panoramic glass roof

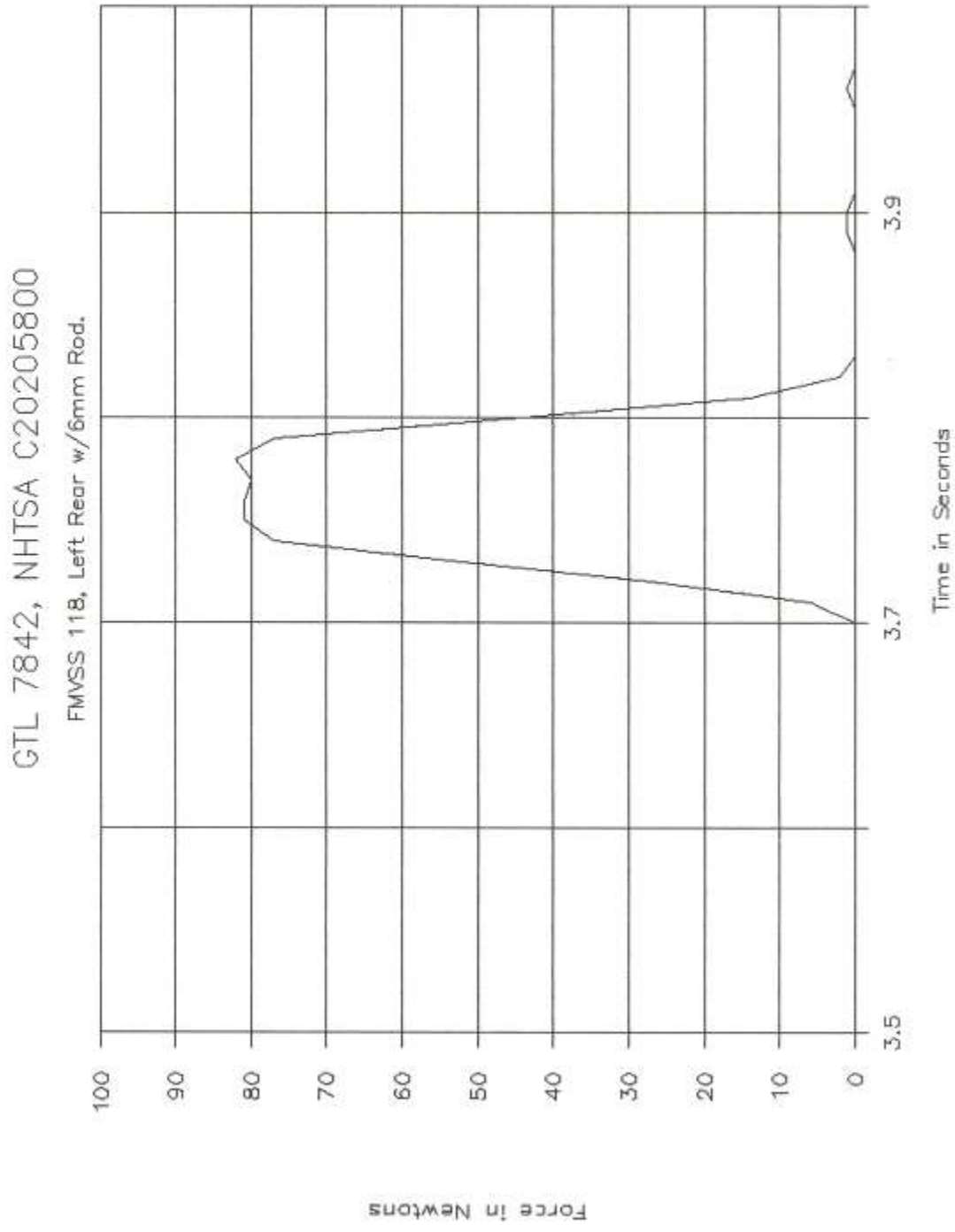
If the panoramic glass roof detects resistance or an object in its path while closing, the roof will open again automatically. If the sunroof fails to close after removing the object and after trying to close a second time, you can perform an emergency closing.

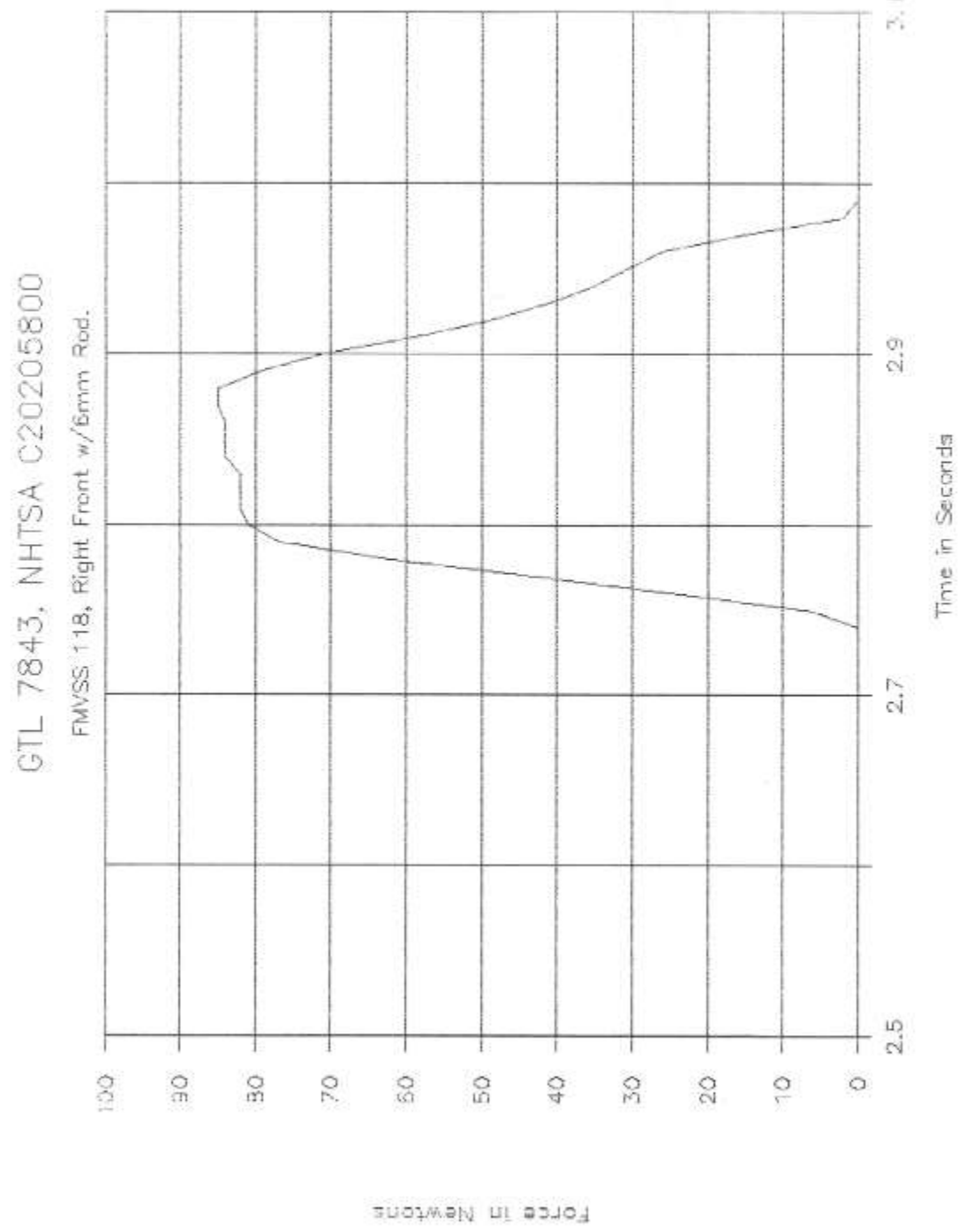
- Within five seconds after the sunroof opens automatically, pull the switch until the roof closes.

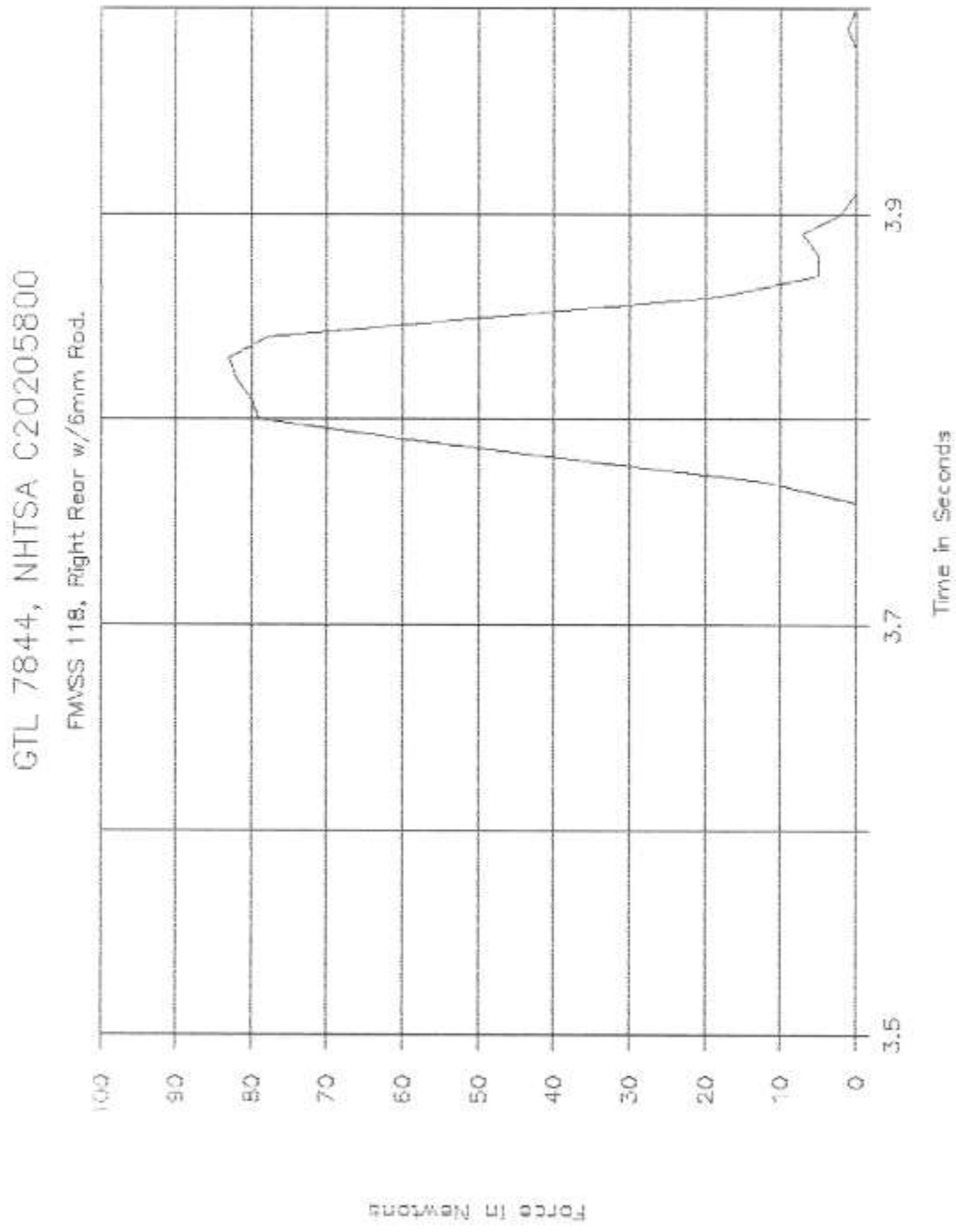
If you release the switch early, the panoramic glass roof will open again.

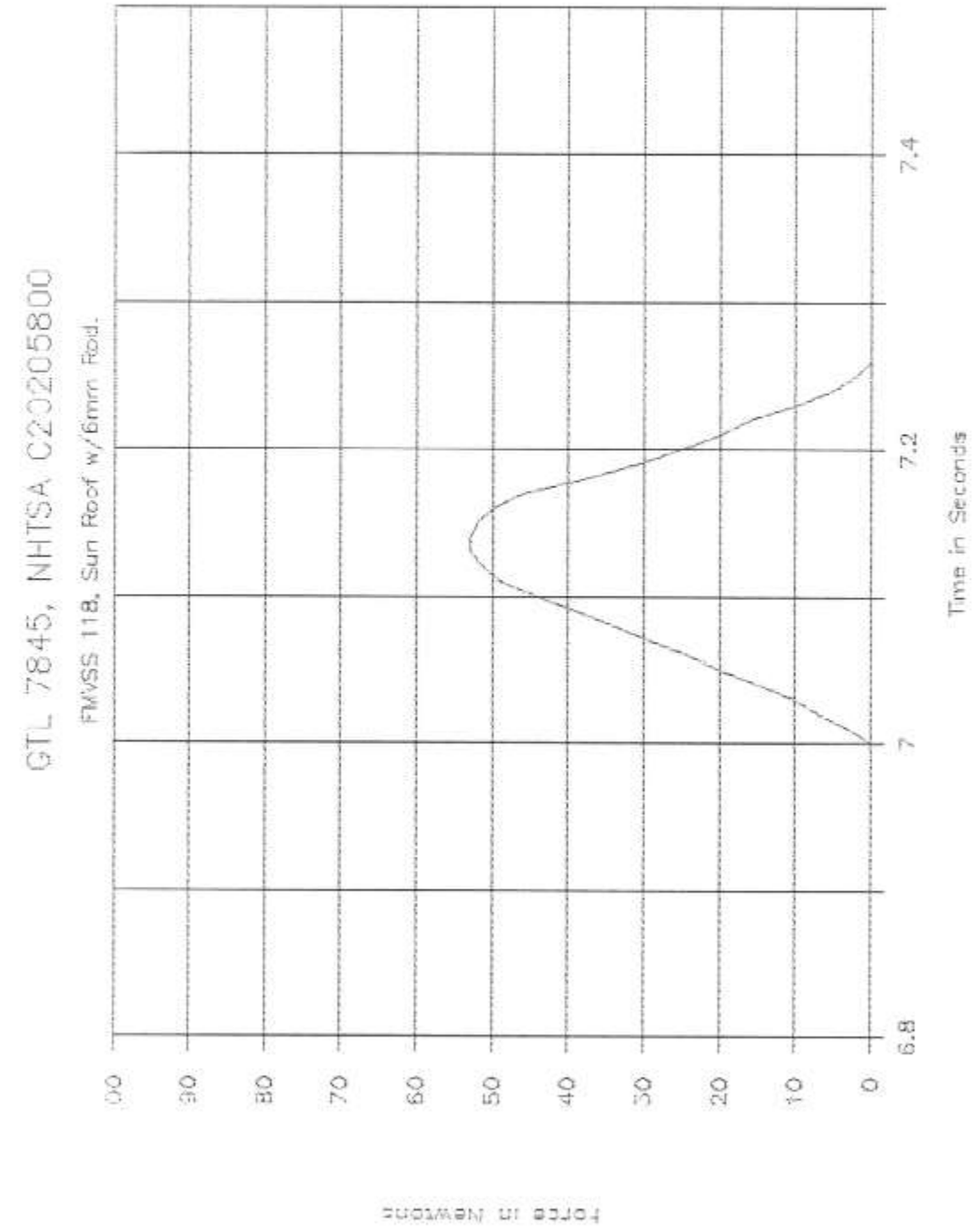
SECTION 7
TEST PLOTS


GTL 7841, NHTSA C20205800
FMVSS 118, Left Front w/6mm Rod.
Force in Newtons
100
90
80
70
60
50
40
30
20
10
0
3
3.2
3.4
Time in Seconds


GTL 7842, NHTSA C20205800
FMVSS 118, Left Rear w/6mm Rod.
Force in Newtons
100
90
80
70
60
50
40
30
20
10
0
3.5
3.7
3.9
Time in Seconds


GTL 7843, NHTSA C20205800
FMVSS 118, Right Front w/6mm Rod.
Force in Newtons
100
90
80
70
60
50
40
30
20
10
0
2.5
2.7
2.9
Time in Seconds


GTL 7844, NHTSA C20205800
FMVSS 118, Right Rear w/6mm Rod.
Force in Newtons
100
90
80
70
60
50
40
30
20
10
0
3.5
3.7
3.9
Time in Seconds


GTL 7845, NHTSA C2205800
FMVSS 118, Sun Roof w/6mm Roid.
Force in Newtons
0
10
20
30
40
50
60
70
80
90
6.8
7
7.2
7.4
Time in Seconds