REPORT NUMBER 118-GTL-18-005

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

FORD MOTOR CO.
2018 FORD MUSTANG, PASSENGER CAR
NHTSA NO. C20180203

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

November 29, 2017

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
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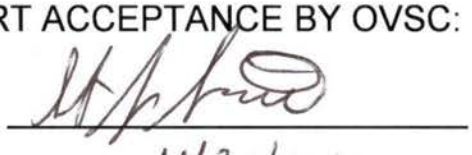
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Approval Date: 11/29/17

FINAL REPORT ACCEPTANCE BY OVSC:

Accepted By: 

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16. Abstract Compliance tests were conducted on the subject 2018 Ford Mustang 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 2018 Ford Mustang 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 2018 Ford Mustang Passenger Car. The vehicle was identified as follows:

A. Vehicle Identification Number: 1FA6P8TH5J5106332

B. NHTSA No.: C20180203

C. Manufacturer: FORD MOTOR CO.

D. Manufacture Date: 10/17

1.2 TEST DATE

The test vehicle was subjected to FMVSS No. 118 testing on November 20, 2017.

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 2018 Ford Mustang Passenger Car.

FMVSS 118
COMPLIANCE DATA SUMMARY SHEET

VEHICLE MAKE/MODEL/BODY STYLE: 2018 FORD MUSTANG

VEHICLE NHTSA NO: C20180203 VIN: 1FA6P8TH5J5106332

VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 10/17

LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 11/20/17

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: 11/20/17

APPROVED BY: D. Messick

WPRP PRE-OPERATIONAL CHECK

VEHICLE MAKE/MODEL/BODY STYLE: 2018 FORD MUSTANG
VEHICLE NHTSA NO: C20180203 VIN: 1FA6P8TH5J5106332
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 10/17
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 11/20/17

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				
Individual Interior Actuation Devices	X		X				
Master Control Panel Actuation Devices	X		X				
WPRP Operated by Exterior Locking System							
WPRP Operated by Remote Control	Open Only		Open Only				
WPRP with Auto-Reverse Capability							
WPRP with Express-Up Capability							

Master Control Panel Location: Driver's door panel

WPRP Exterior Locking System Location: _____

WPRP Remote Control Type: ( ) Line of Sight ( ) Non-line of Sight ( ) Both (X) 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 _____
Vents _____

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

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: 11/20/17
APPROVED BY: D. Messick

DATA SHEET 1
INTERIOR LOCKING SYSTEM TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2018 FORD MUSTANG
VEHICLE NHTSA NO: C20180203 VIN: 1FA6P8TH5J5106332
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 10/17
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 11/20/17

Key lock position at start of test execution: (X) ON ( ) ACCESSORY THEN TO
Key lock off position during test execution: ( ) LOCK (X) OFF (X) 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)							
Right Rear (RR)							
Vent Window(s)							
Tail Gate (TG)							
Partition (P)							
Roof Panel (RP)							
INDIVIDUAL ACTUATION DEVICES							
Left Front (LF)		X	X		X		P
Right Front (RF)		X	X		X		P
Left Rear (LR)							
Right Rear (RR)							
Vent Window(s)							
Tail Gate Window							
Partition Window							
Roof Panel Window							

REMARKS:

RECORDED BY: G. Farrand DATE: 11/20/17
APPROVED BY: D. Messick

DATA SHEET 2
INTERIOR LOCKING SYSTEM WITH KEY REMOVED TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2018 FORD MUSTANG
VEHICLE NHTSA NO: C20180203 VIN: 1FA6P8TH5J5106332
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 10/17
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 11/20/17

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)							
Right Rear (RR)							
Tail Gate (TG)							
Vent Windows(s)							
Partition (P)							
Roof Panel (RP)							
INDIVIDUAL ACTUATION DEVICES							
Left Front (LF)	X		X		X		P
Right Front (RF)	X		X		X		P
Left Rear (LR)							
Right Rear (RR)							
Vent Window(s)							
Tail Gate Window							
Partition Window							
Roof Panel Window							

REMARKS: Vehicle has push button start/stop. Engine off and Key FOB removed from vehicle, windows will not operate.

RECORDED BY: G. Farrand DATE: 11/20/17
APPROVED BY: D. Messick

DATA SHEET 3
EXTERIOR LOCKING SYSTEM TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2018 FORD MUSTANG
VEHICLE NHTSA NO: C20180203 VIN: 1FA6P8TH5J5106332
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 10/17
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 11/20/17

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

Location of exterior locking system: _____

Describe how the exterior locking system is activated: _____

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)			
RIGHT FRONT (RF)			
LEFT REAR (LR)			
RIGHT REAR (RR)			
VENT WINDOW(S)			
PARTITION(P)			
ROOF PANEL (RP)			
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: 11/20/17
APPROVED BY: D. Messick

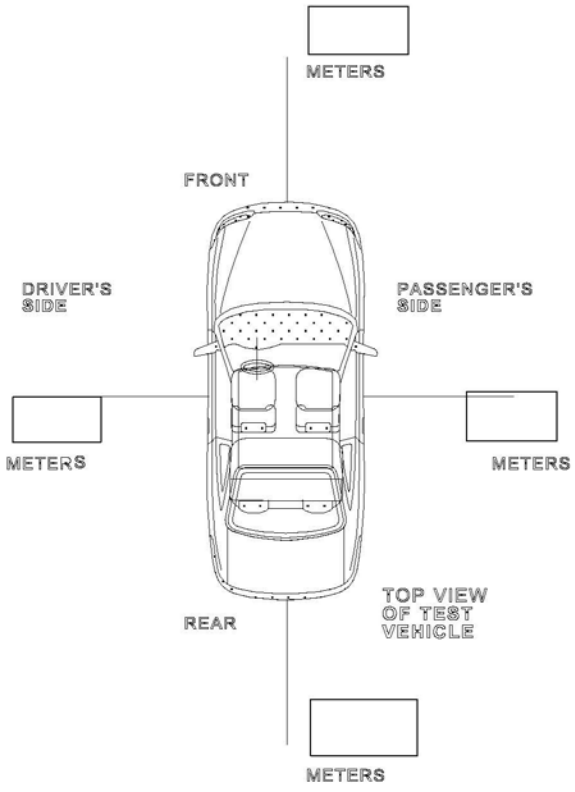
DATA SHEET 4
REMOTE ACTUATION DEVICE

VEHICLE MAKE/MODEL/BODY STYLE: 2018 FORD MUSTANG
VEHICLE NHTSA NO: C20180203 VIN: 1FA6P8TH5J5106332
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 10/17
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 11/20/17

Type of remote actuation device installed on vehicle (check one):
(X) Non Line-Of-Site* ( ) Line-of-Site ( ) 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_____



REMARKS: Remote control will only open windows. Will not close them.

RECORDED BY: G. Farrand DATE: 11/20/17
APPROVED BY: D. Messick

DATA SHEET 5
OCCUPANT COMPARTMENT ACTUATION DEVICE TEST
SPHERE TEST

VEHICLE MAKE/MODEL/BODY STYLE: 2018 FORD MUSTANG
VEHICLE NHTSA NO: C20180203 VIN: 1FA6P8TH5J5106332
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 10/17
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 11/20/17

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)				
Right Rear (RR)				
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)				
Right Rear (RR)				
Vent Window(s)				
Tail Gate(TG)				
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.

REMARKS:

RECORDED BY: G. Farrand DATE: 11/20/17
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: 2018 FORD MUSTANG
VEHICLE NHTSA NO: C20180203 VIN: 1FA6P8TH5J5106332
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 10/17
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 11/20/17

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)				
Right Rear (RR)				
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)				
Right Rear (RR)				
Vent Window(s)				

RECORDED BY: G. Farrand DATE: 11/20/17
APPROVED BY: D. Messick

DATA SHEET 7
WPRP PHYSICAL CONTACT REVERSAL CAPABILITY

VEHICLE MAKE/MODEL/BODY STYLE: 2018 FORD MUSTANG
VEHICLE NHTSA NO: C20180203 VIN: 1FA6P8TH5J5106332
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 10/17
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 11/20/17

WPRP's equipped with reversal capability: FRONT DRIVER AND PASSENGER
WPRP's that must meet reversal requirement: NONE
Locking System Position:

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*
7639	PASSENGER	CENTER	50MM/65NM	180/130	147	300	N/A*
7640	PASSENGER	FRONT	50MM/65NM	135/285	75	285	N/A*
7641	DRIVER	REAR	25MM/20NM	115/300	109	300	N/A*
7642	DRIVER	CENTER	25MM/65NM	95/300	55	300	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: 11/20/17
APPROVED BY: D. Messick

SECTION 4
TEST EQUIPMENT LIST

VEHICLE MAKE/MODEL/BODY STYLE: 2018 FORD MUSTANG
VEHICLE NHTSA NO: C20180203 VIN: 1FA6P8TH5J5106332
VEHICLE TYPE: PASSENGER CAR DATE OF MANUFACTURE: 10/17
LABORATORY: GENERAL TESTING LABORATORIES TEST DATE: 11/20/17

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.	05/20/16	

REMARKS:

RECORDED BY: G. FARRAND DATE: 11/20/17

APPROVED BY: D. MESSICK

SECTION 5

PHOTOGRAPHS



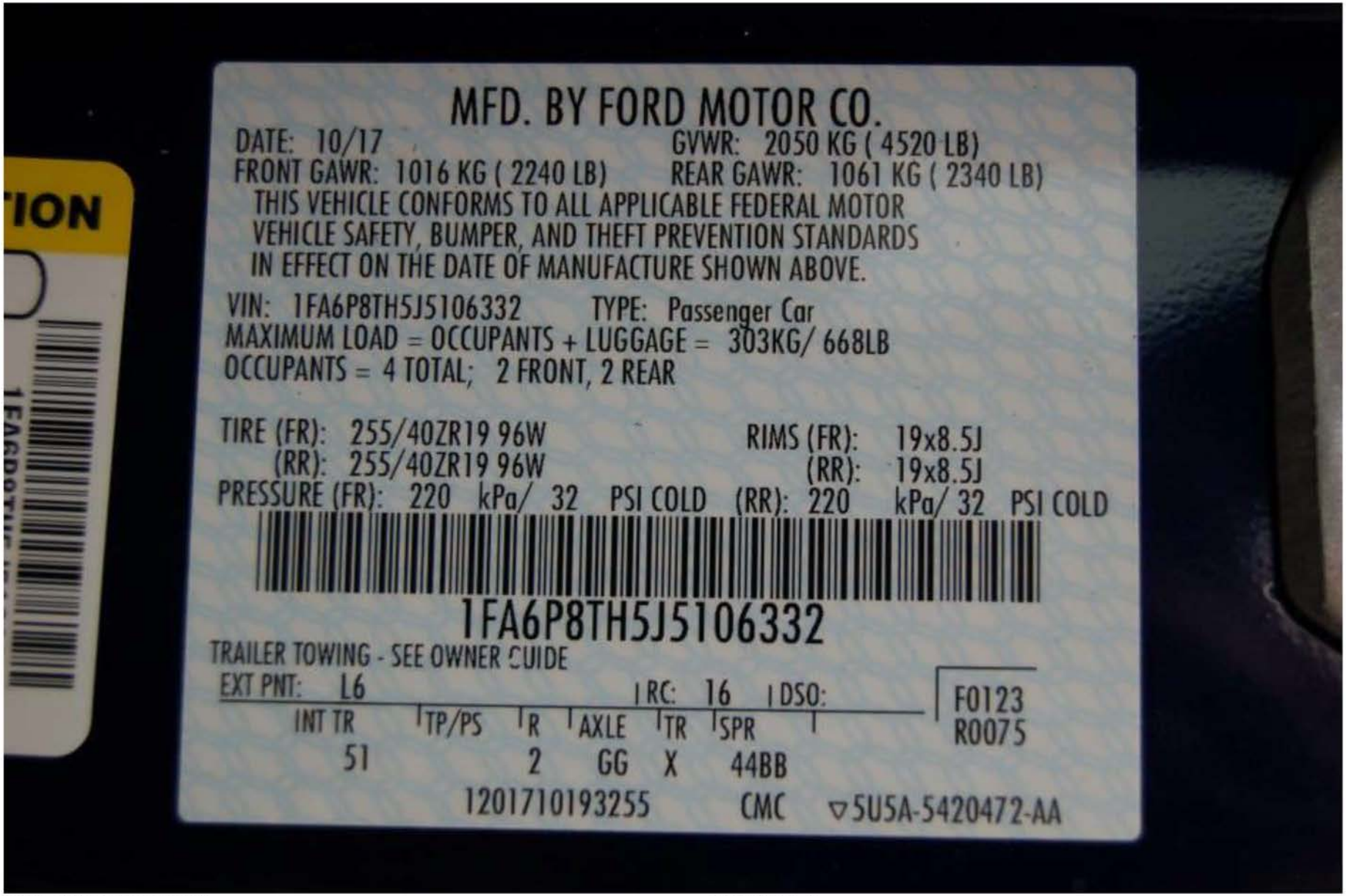
2018 FORD MUSTANG
NHTSA NO. C20180203
FMVSS NO. 118

FIGURE 5.1
¾ FRONTAL VIEW FROM LEFT SIDE OF VEHICLE



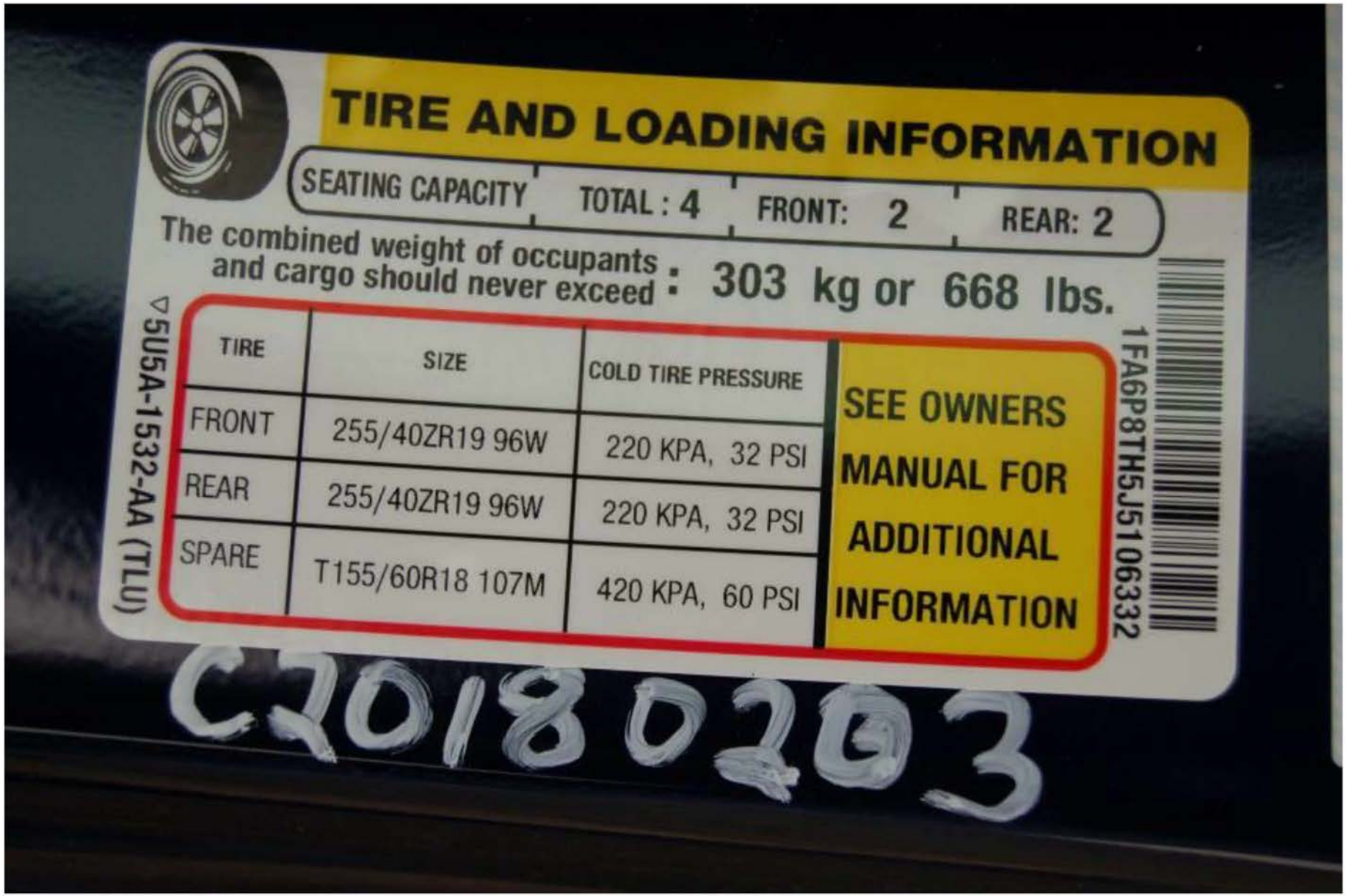
2018 FORD MUSTANG
NHTSA NO. C20180203
FMVSS NO. 118

FIGURE 5.2
¾ REAR VIEW FROM RIGHT SIDE OF VEHICLE



2018 FORD MUSTANG
NHTSA NO. C20180203
FMVSS NO. 118

FIGURE 5.3
CLOSE-UP VIEW OF VEHICLE CERTIFICATION LABEL



2018 FORD MUSTANG
NHTSA NO. C20180203
FMVSS NO. 118

FIGURE 5.4
CLOSE-UP VIEW OF TIRE INFORMATION LABEL



2018 FORD MUSTANG
NHTSA NO. C20180203
FMVSS NO. 118

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



2018 FORD MUSTANG
NHTSA NO. C20180203
FMVSS NO. 118

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



2018 FORD MUSTANG
NHTSA NO. C20180203
FMVSS NO. 118

FIGURE 5.7
VEHICLE KEY/REMOTE



2018 FORD MUSTANG
NHTSA NO. C20180203
FMVSS NO. 118

FIGURE 5.8
SPHERE TEST ON LEFT FRONT/MASTER WINDOW SWITCH



2018 FORD MUSTANG
NHTSA NO. C20180203
FMVSS NO. 118

FIGURE 5.9
SPHERE TEST ON RIGHT FRONT WINDOW SWITCH



2018 FORD MUSTANG
NHTSA NO. C20180203
FMVSS NO. 118

FIGURE 5.10
INSTRUMENTATION SETUP



2018 FORD MUSTANG
NHTSA NO. C20180203
FMVSS NO. 118

FIGURE 5.11
PINCH FORCE TEST WITH 25 MM ROD ON LEFT FRONT WINDOW



2018 FORD MUSTANG
NHTSA NO. C20180203
FMVSS NO. 118

FIGURE 5.12
PINCH FORCE TEST WITH 50 MM ROD ON RIGHT FRONT WINDOW

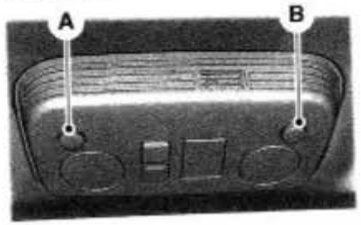
SECTION 6
OWNER'S MANUAL INFORMATION

INTERIOR LAMPS

The lamps turn on under the following conditions:

- You open any door.
- You press a remote control button.
- You press a map lamp button.

Map Lamps



E175199

A Left-hand side map lamp.

B Right-hand side map lamp.

Press the button to switch the lamps on or off.

AMBIENT LIGHTING

Adjust the ambient lighting in the information display. See **General Information** (page 88).

POWER WINDOWS

WARNINGS

⚠ Do not leave children unattended in your vehicle and do not let them play with the power windows. Failure to follow this instruction could result in personal injury.

⚠ When closing the power windows, verify they are free of obstruction and make sure that children and pets are not in the proximity of the window openings.



E190057

Note: *You may hear a pulsing noise when just one of the windows is open. Lower the opposite window slightly to reduce this noise.*

Note: *Use the singular control (if equipped) to open both rear windows.*

Press the control to open the window.

Lift the control to close the window.

One-Touch Down

Press the switch fully and release it. Press again or lift it to stop the window.

One-Touch Up

Lift the switch fully and release it. Press again or lift it to stop the window.

Bounce-Back

The window will automatically stop and reverse some distance if it detects an obstacle while closing.

Overriding the Bounce-Back Feature

WARNING

⚠ When you override the bounce-back feature the window will not reverse if it detects an obstacle. Take care when closing the windows to avoid personal injury or damage to your vehicle.

Pull up the window switch and hold within two seconds of the window reaching the bounce-back position. The window will travel up with no bounce-back protection. The window will stop if you release the switch before the window is fully closed.

Accessory Delay

The window switches remain operational for several minutes when you switch the ignition off or until you open either front door.

GLOBAL OPENING (If Equipped)

You can use the remote control to open the windows with the ignition off.

Note: *You can enable or disable this feature in the information display, or see an authorized dealer. See* ***General Information*** *(page 88).*

Note: *To operate this feature, accessory delay must not be active.*

Opening the Windows

You can open the windows for a short time after you unlock your vehicle with the remote control. After you unlock your vehicle, press and hold the remote control unlock button to open the windows. Release the button once movement starts. Press the lock or unlock button to stop movement.

EXTERIOR MIRRORS

Power Exterior Mirrors

WARNING

Do not adjust the mirrors when your vehicle is moving. This could result in the loss of control of your vehicle, serious personal injury or death.



E176804

A Left-hand mirror
B Adjustment control
C Right-hand mirror

To adjust a mirror:

1. Select the mirror you want to adjust. The control will illuminate.
2. Adjust the position of the mirror.
3. Press the mirror switch again.

Fold-Away Exterior Mirrors

Push the mirror toward the door window glass. Make sure that you fully engage the mirror in its support when returning it to its original position.

Heated Exterior Mirrors (If Equipped)

See **Heated Windows and Mirrors** (page 113).

Memory Mirrors (If Equipped)

You can save and recall the mirror positions through the memory function. See **Power Seats** (page 117).

Signal Indicator Mirrors (If Equipped)

The outer portion of the appropriate mirror housing will blink when you switch on the turn signal.

Pony Projection Lights (If Equipped)

The lights are on the bottom of the mirror housings. See **Welcome Lighting** (page 75).

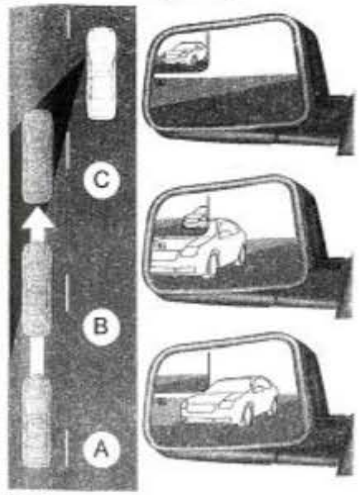
Integrated Blind Spot Mirrors (If Equipped)

WARNING

Objects in the mirror are closer than they appear.

Blind spot mirrors have an integrated convex mirror built into the upper outboard corner of the exterior mirrors. They can increase your visibility along the side of your vehicle.

Check the main mirror first before a lane change, then check the blind spot mirror. If the blind spot mirror does not show any vehicles in its viewing area and the traffic in the adjacent lane is at a safe distance, signal that you intend to change lanes. Glance over your shoulder to verify traffic is clear and carefully change lanes.



E139855

The image of the approaching vehicle is small and near the inboard edge of the main mirror when it is at a distance. The image becomes larger and begins to move outboard across the main mirror as the vehicle approaches (A). The image will transition from the main mirror and begin to appear in the blind spot mirror as the vehicle approaches (B). The vehicle will transition to your peripheral field of view as it leaves the blind spot mirror (C).

Blind Spot Monitor (If Equipped)

See **Blind Spot Information System** (page 175).

INTERIOR MIRROR

WARNING

Do not adjust the mirror when your vehicle is moving.

Note: *Do not clean the housing or glass of any mirror with harsh abrasives, fuel or other petroleum or ammonia-based cleaning products.*

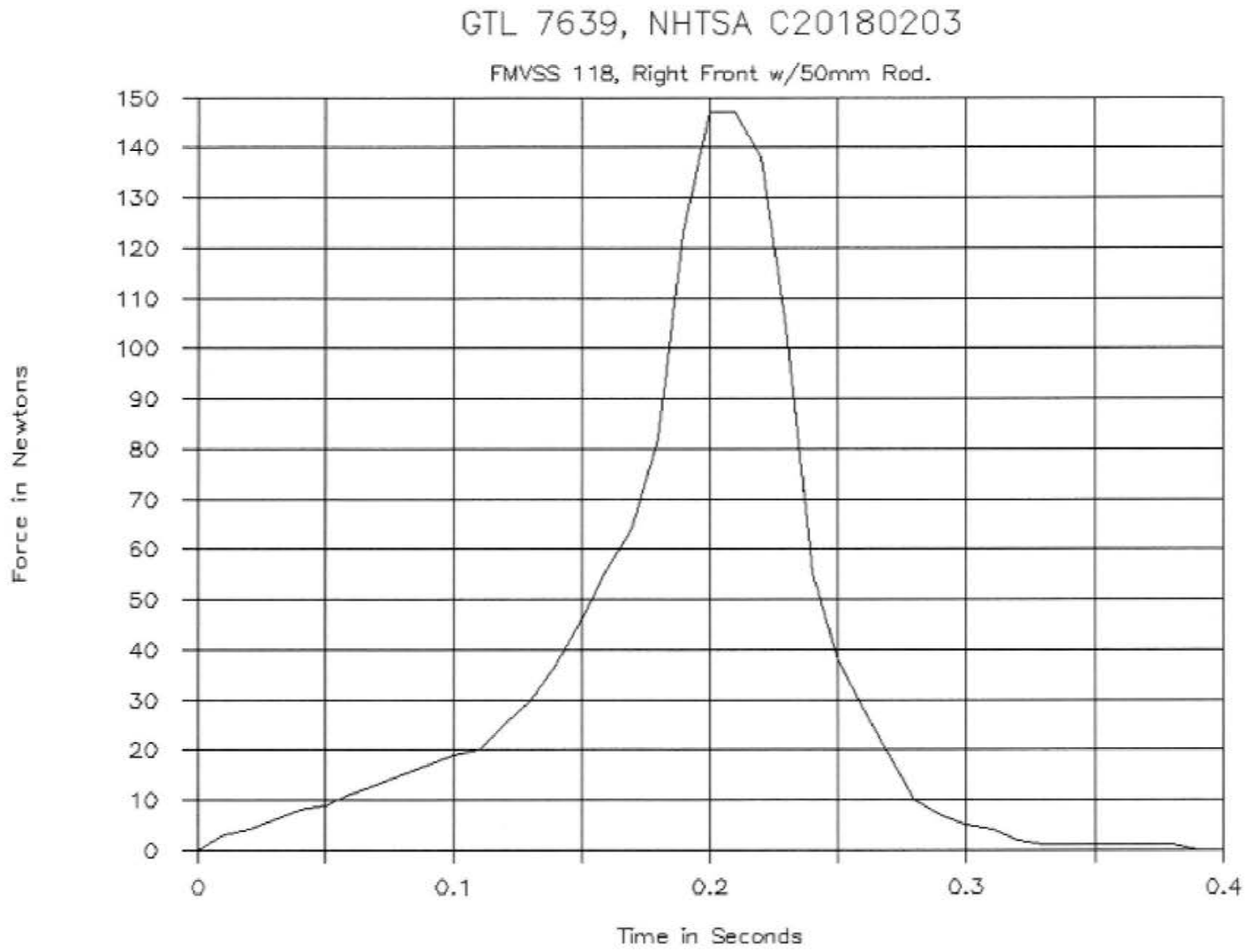
You can adjust the interior mirror to your preference. In addition to the standard pivot point, this mirror also includes a second pivot point, letting you move the mirror head up or down and from side to side.

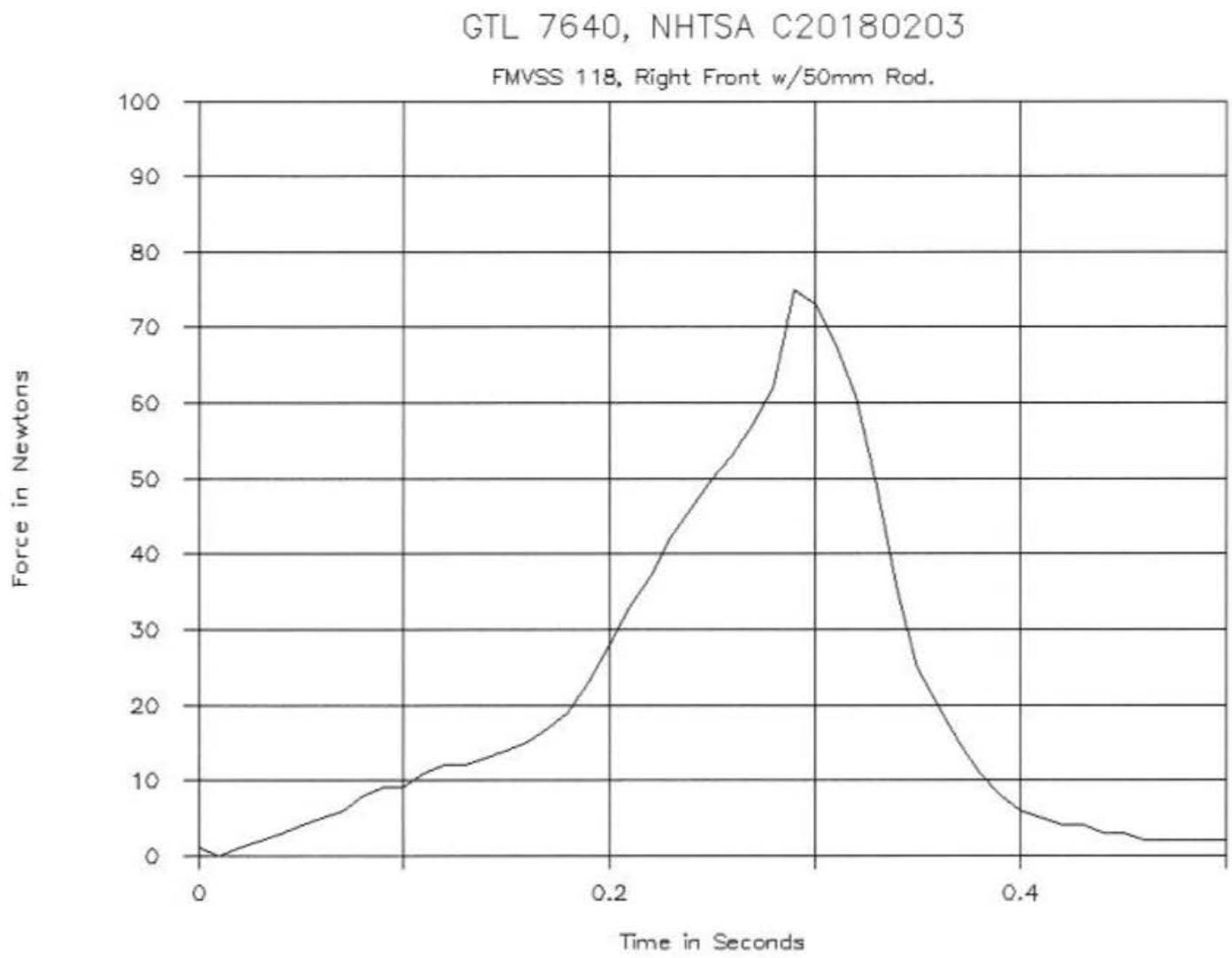
Auto-Dimming Mirror

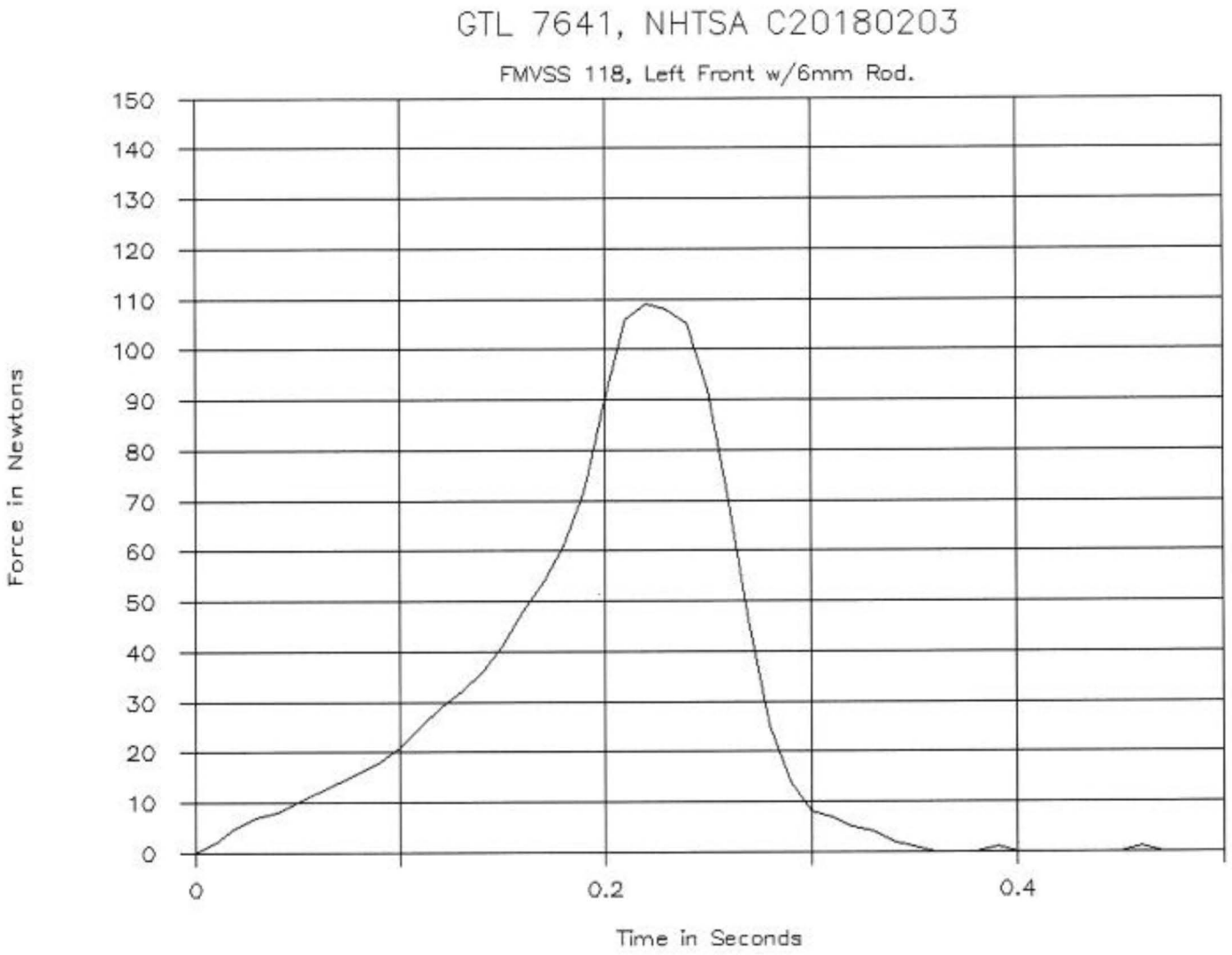
Note: *Do not block the sensors on the front and back of the mirror. Mirror performance may be affected. A rear center passenger or raised rear center head restraint may also block light from reaching the sensor.*

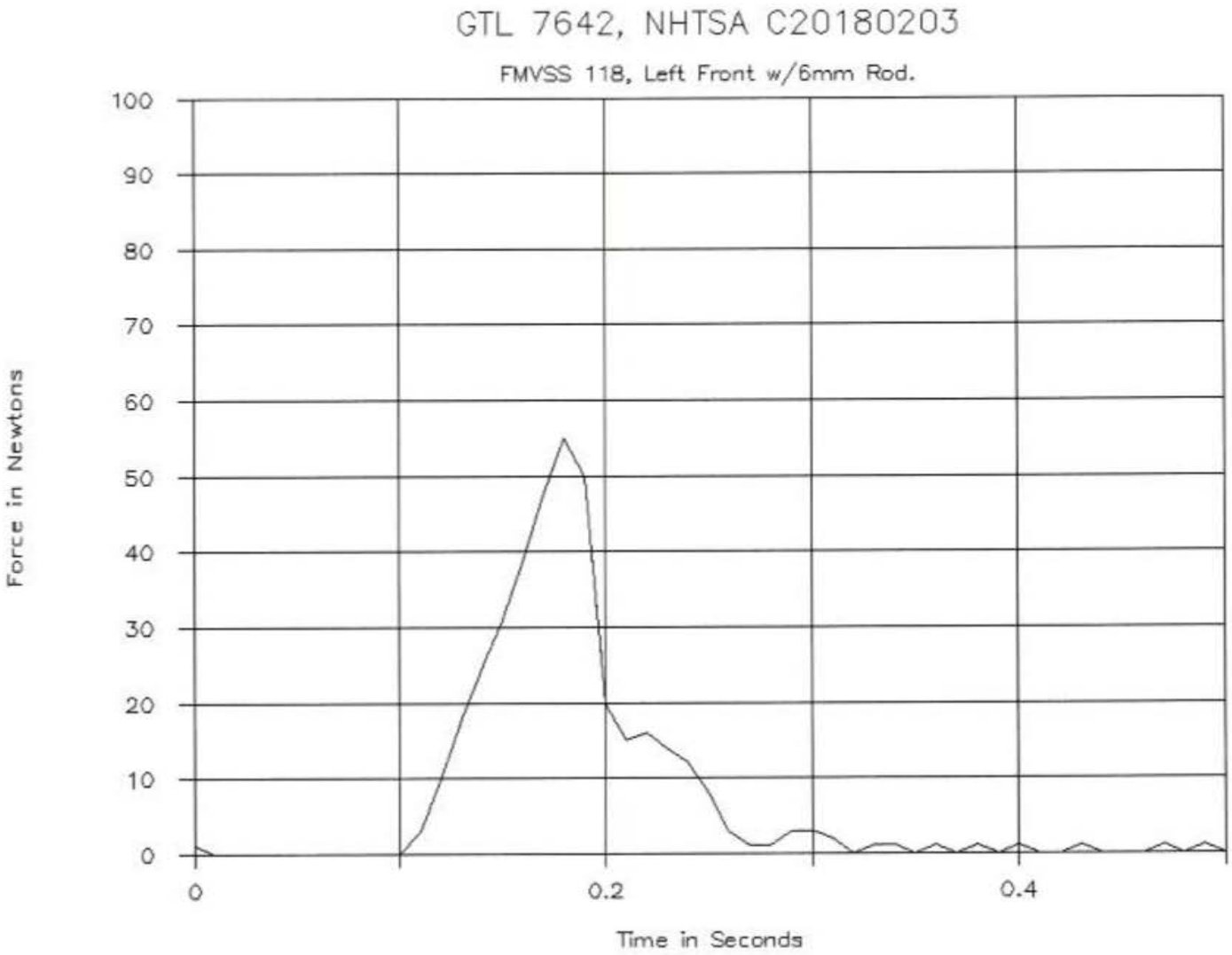
To reduce glare, the mirror dims automatically when it detects bright lights from behind your vehicle. It automatically returns to normal reflection when you select reverse (R) gear to make sure you have a clear view when backing up.

SECTION 7
TEST PLOTS


GTL 7639, NHTSA C20180203
FMVSS 118, Right Front w/50mm Rod.
Force in Newtons
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
0
0.1
0.2
0.3
0.4
Time in Seconds


GTL 7640, NHTSA C20180203
FMVSS 118, Right Front w/50mm Rod.
Force in Newtons
100
90
80
70
60
50
40
30
20
10
0
0
0.2
0.4
Time in Seconds


GTL 7641, NHTSA C20180203
FMVSS 118, Left Front w/6mm Rod.
Force in Newtons
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
0
0.2
0.4
Time in Seconds


GTL 7642, NHTSA C20180203
FMVSS 118, Left Front w/6mm Rod.
Force in Newtons
100
90
80
70
60
50
40
30
20
10
0
0
0.2
0.4
Time in Seconds