

REPORT NO. 118-KAR-09-002

**SAFETY COMPLIANCE TESTING  
FOR FMVSS 118**

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

2009 DODGE JOURNEY  
5-DOOR MPV

NHTSA NO. C90302

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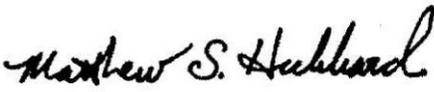
**June 26, 2009**

Final Report

PREPARED FOR:  
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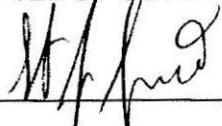
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## Technical Report Documentation Page

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16. <i>Abstract</i>  Compliance tests were conducted on the subject 2009 Dodge Journey 5-Door MPV 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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## **1. PURPOSE OF COMPLIANCE TEST**

Tests were conducted on a 2009 Dodge Journey 5-Door MPV, manufactured by Chrysler LLC 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-118-06, dated April 12, 2006, and corresponding KARCO Engineering test procedure KTP-118, dated March 23, 2009. 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 2009 Dodge Journey 5-Door MPV was subjected to FMVSS 118 compliance testing. The tests were conducted at KARCO Engineering in Adelanto, California on June 26, 2009. 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
- Perform Sphere Test

## DATA SUMMARY

VEHICLE			
YEAR	2009	MAKE	Dodge
MODEL	Journey	BODY STYLE	5-Door MPV
NHTSA NO.	C90302	VIN	3D4GG47B19T223594
TEST DATE:	06/26/09		

### SWITCH ACTUATION

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

**REMARKS:** The master switch control panel is located on the driver's side door panel and includes the individual left front window switch. Vehicle passed as soon as ignition key "off" test was performed.

**\*PASS =** After ignition key cycled from ON, ACC, or START to OFF position, or removed WPRP does not close, or closes until either front door is opened

## 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	N/A	N/A
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)	N/A	N/A
TAIL GATE (TG)	N/A	N/A

### SPHERE TEST

WINDOW, PARTITION, ROOF PANEL	MASTER SWITCH	INDIVIDUAL SWITCH	PASS / FAIL
LEFT FRONT (LF)	See Data Sheet 9	See Data Sheet 9	PASS
RIGHT FRONT (RF)	See Data Sheet 9	See Data Sheet 9	PASS
LEFT REAR (LR)	See Data Sheet 9	See Data Sheet 9	PASS
RIGHT REAR (RR)	See Data Sheet 9	See Data Sheet 9	PASS
PARTITION (P)	N/A	N/A	N/A
ROOF PANEL (RP)	N/A	N/A	N/A
TAIL GATE (TG)	N/A	N/A	N/A

**REMARKS:** None.

The subject 2009 Dodge Journey 5-Door MPV appeared to meet the requirements of FMVSS 118.

### 3. TEST DATA



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

VEHICLE			
YEAR	<b>2009</b>	MAKE	<b>Dodge</b>
MODEL	<b>Journey</b>	BODY STYLE	<b>5-Door MPV</b>
NHTSA NO.	<b>C90302</b>	VIN	<b>3D4GG47B19T223594</b>
TEST DATE:	<b>06/26/09</b>		

Pre-Test Check: Window, Partition, Roof Panel Systems operate with Ignition Switch in "ON" Position		YES	X	NO	N/A		
Pre-Test Check: Window, Partition, Roof Panel Systems operate with Ignition Switch in "ACCESSORY" Position		YES	X	NO	N/A		
WINDOW SWITCHES	DOORS CLOSED		LEFT DOOR OPEN		RIGHT DOOR OPEN		PASS/FAIL
	INOP.	OPER.	INOP.	OPER.	INOP.	OPER.	
MASTER							
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	X	X	N/A	X	N/A	PASS
Right Rear (RR)	N/A	X	X	N/A	X	N/A	PASS
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	X	X	N/A	X	N/A	PASS
Right Rear (RR)	N/A	X	X	N/A	X	N/A	PASS
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
<b>REMARKS:</b>	The master left front switch is the same as the individual left front switch. Test was performed with key in the "Lock" position. For the pre-test check in the "Accessory" position the key was moved from the "Lock" position to the "Accessory" position without cycling through the "On" position or starting the engine. Vehicle passed as soon as ignition "off" test was performed.						

RECORDED BY: **MATTHEW S. HUBBARD** DATE: **06/26/09**  
 APPROVED BY: **MICHAEL L. DUNLAP** DATE: **06/26/09**

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

VEHICLE			
YEAR	<b>2009</b>	MAKE	<b>Dodge</b>
MODEL	<b>Journey</b>	BODY STYLE	<b>5-Door MPV</b>
NHTSA NO.	<b>C90302</b>	VIN	<b>3D4GG47B19T223594</b>
TEST DATE:	<b>06/26/09</b>		

WINDOW SWITCHES	DOORS CLOSED		LEFT DOOR OPEN		RIGHT DOOR OPEN		PASS/FAIL
	INOP.	OPER.	INOP.	OPER.	INOP.	OPER.	
<b>MASTER</b>							
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	X	X	N/A	X	N/A	PASS
Right Rear (RR)	N/A	X	X	N/A	X	N/A	PASS
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
<b>INDIVIDUAL</b>							
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	X	X	N/A	X	N/A	PASS
Right Rear (RR)	N/A	X	X	N/A	X	N/A	PASS
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

**REMARKS:** The master left front switch is the same as the individual left front switch. Vehicle passed as soon as ignition key "off" test was performed.

RECORDED BY: **MATTHEW S. HUBBARD**

DATE: **06/26/09**

APPROVED BY: **MICHAEL L. DUNLAP**

DATE: **06/26/09**

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

VEHICLE			
YEAR	<b>2009</b>	MAKE	<b>Dodge</b>
MODEL	<b>Journey</b>	BODY STYLE	<b>5-Door MPV</b>
NHTSA NO.	<b>C90302</b>	VIN	<b>3D4GG47B19T223594</b>
TEST DATE:	<b>06/26/09</b>		

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

**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)	N/A	N/A	N/A	N/A	N/A
RIGHT FRONT (RF)	N/A	N/A	N/A	N/A	N/A
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)	N/A	N/A	N/A	N/A	N/A
TAIL GATE (TG)	N/A	N/A	N/A	N/A	N/A

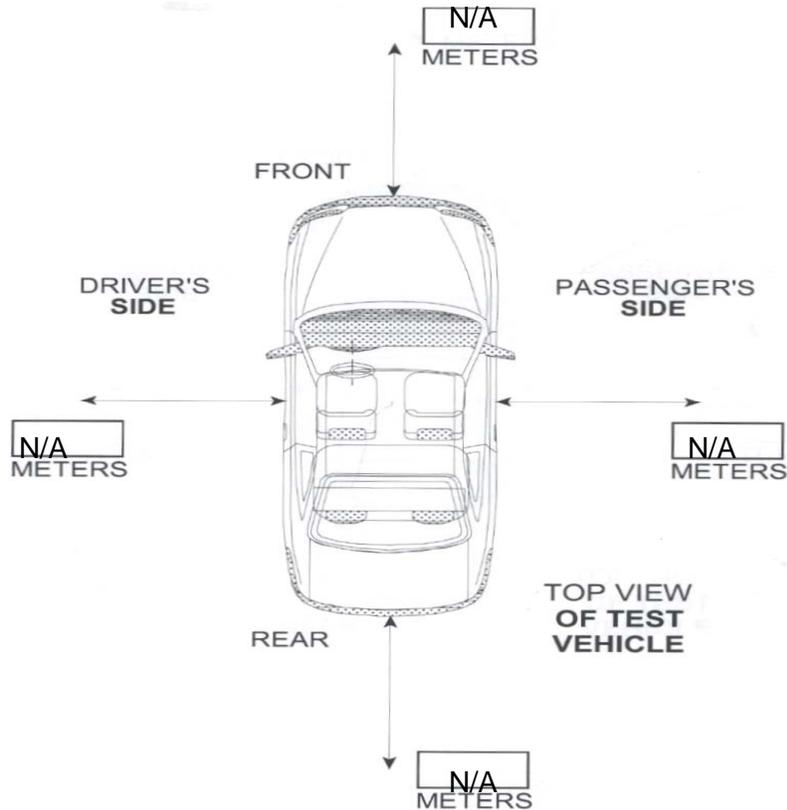
**REMARKS:** Vehicle is not equipped with an exterior key locking system capable of opening windows.

RECORDED BY: MATTHEW S. HUBBARD DATE: 06/26/09  
 APPROVED BY: MICHAEL L. DUNLAP DATE: 06/26/09

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

VEHICLE			
YEAR	<b>2009</b>	MAKE	<b>Dodge</b>
MODEL	<b>Journey</b>	BODY STYLE	<b>5-Door MPV</b>
NHTSA NO.	<b>C90302</b>	VIN	<b>3D4GG47B19T223594</b>
TEST DATE:	<b>06/26/09</b>		

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 ( ).



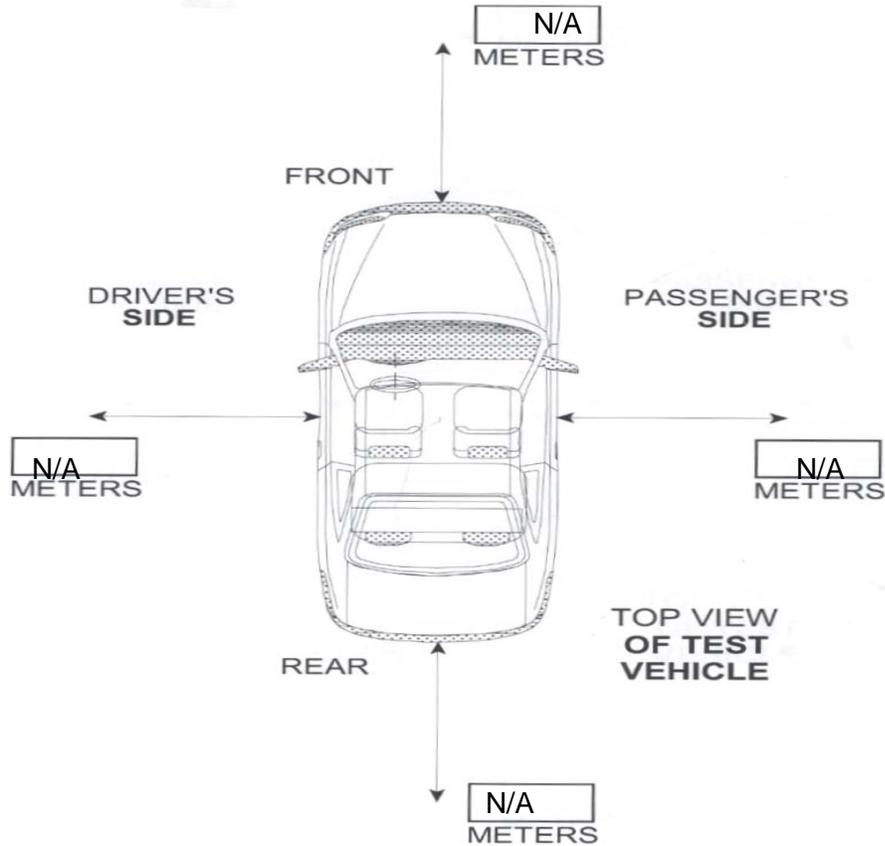
**REMARKS:** The vehicle is not equipped with a remote actuation device that allows the windows to be opened.

RECORDED BY: **MATTHEW S. HUBBARD** DATE: **06/26/09**  
 APPROVED BY: **MICHAEL L. DUNLAP** DATE: **06/26/09**

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

VEHICLE			
YEAR	<b>2009</b>	MAKE	<b>Dodge</b>
MODEL	<b>Journey</b>	BODY STYLE	<b>5-Door MPV</b>
NHTSA NO.	<b>C90302</b>	VIN	<b>3D4GG47B19T223594</b>
TEST DATE:	<b>06/26/09</b>		

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 not equipped with a remote actuation device that allows the windows to be opened.

RECORDED BY: **MATTHEW S. HUBBARD**                      DATE: **06/26/09**  
 APPROVED BY: **MICHAEL L. DUNLAP**                      DATE: **06/26/09**

**DATA SHEET NO. 7  
AUTO REVERSAL**

VEHICLE			
YEAR	<b>2009</b>	MAKE	<b>Dodge</b>
MODEL	<b>Journey</b>	BODY STYLE	<b>5-Door MPV</b>
NHTSA NO.	<b>C90302</b>	VIN	<b>3D4GG47B19T223594</b>
TEST DATE:	<b>06/26/09</b>		

**IDENTIFY WINDOW, PARTITION AND ROOF PANEL POSITIONS WHICH ARE EQUIPPED WITH AUTO REVERSAL.**

Is vehicle equipped with Auto Reversal	YES	N/A	NO	X
--	-----	-----	----	---

SWITCHES EQUIPPED WITH AUTO REVERSAL	MASTER	INDIVIDUAL
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)	N/A	N/A
TAIL GATE (TG)	N/A	N/A

**REMARKS:** The master switch is the same as the individual switch for the left front window. The vehicle passed as soon as ignition key "off" was performed. The reversal feature is not required because the window appears to meet the operational requirements of FMVSS 118 paragraph S.4.

RECORDED BY: **MATTHEW S. HUBBARD**

DATE: **06/26/09**

APPROVED BY: **MICHAEL L. DUNLAP**

DATE: **06/26/09**

**DATA SHEET NO. 8  
AUTO REVERSAL**

VEHICLE			
YEAR	<b>2009</b>	MAKE	<b>Dodge</b>
MODEL	<b>Journey</b>	BODY STYLE	<b>5-Door MPV</b>
NHTSA NO.	<b>C90302</b>	VIN	<b>3D4GG47B19T223594</b>
TEST DATE:	<b>06/26/09</b>		

Distance window is open from top seam to start position.

N/A

**WPRP OBSTRUCTION FORCE REVERSAL**

LEADING EDGE LEFT FRONT WINDOW	FORCE TO REVERSE (NEWTONS)	DISTANCE WINDOW, PARTITION, OR ROOF PANEL OPENED ON REVERSAL (mm)
5mm semi rigid rod	N/A	N/A
25mm semi rigid rod	N/A	N/A
50mm semi rigid rod	N/A	N/A
100mm semi rigid rod	N/A	N/A
200mm semi rigid rod	N/A	N/A

**WPRP OBSTRUCTION FORCE REVERSAL**

REAR EDGE LEFT FRONT WINDOW	FORCE TO REVERSE (NEWTONS)	DISTANCE WINDOW, PARTITION, OR ROOF PANEL OPENED ON REVERSAL (mm)
5mm semi rigid rod	N/A	N/A
25mm semi rigid rod	N/A	N/A
50mm semi rigid rod	N/A	N/A
100mm semi rigid rod	N/A	N/A
200mm semi rigid rod	N/A	N/A

**REMARKS:** The master switch is the same as the individual switch for the left front window. The vehicle passed as soon as ignition key "off" was performed. The reversal feature is not required because the window appears to meet the operational requirements of FMVSS 118 paragraph S.4.

RECORDED BY: **MATTHEW S. HUBBARD**

DATE: **06/26/09**

APPROVED BY: **MICHAEL L. DUNLAP**

DATE: **06/26/09**

**DATA SHEET NO. 9  
SPHERE TEST**

VEHICLE			
YEAR	<b>2009</b>	MAKE	<b>Dodge</b>
MODEL	<b>Journey</b>	BODY STYLE	<b>5-Door MPV</b>
NHTSA NO.	<b>C90302</b>	VIN	<b>3D4GG47B19T223594</b>
TEST DATE:	<b>06/26/09</b>		

**SPHERE TEST CONDUCTED ON MASTER SWITCH CONTROL PANEL**

WINDOW	FORCE APPLIED TO ACTIVATE SWITCH (NEWTONS)	SWITCH ACTIVATED (YES / NO)	PASS / FAIL
LEFT FRONT (LF)	144.0	NO	PASS
RIGHT FRONT (RF)	154.0	NO	PASS
LEFT REAR (LR)	137.4	NO	PASS
RIGHT REAR (RR)	152.4	NO	PASS
PARTITION (P)	N/A	N/A	N/A
ROOF PANEL (RP)	N/A	N/A	N/A
TAIL GATE (TG)	N/A	N/A	N/A

**SPHERE TEST CONDUCTED ON INDIVIDUAL SWITCH**

WINDOW	FORCE APPLIED TO ACTIVATE SWITCH (NEWTONS)	SWITCH ACTIVATED (YES / NO)	PASS / FAIL
LEFT FRONT (LF)	144.0	NO	PASS
RIGHT FRONT (RF)	174.8	NO	PASS
LEFT REAR (LR)	168.5	NO	PASS
RIGHT REAR (RR)	161.4	NO	PASS
PARTITION (P)	N/A	N/A	N/A
ROOF PANEL (RP)	N/A	N/A	N/A
TAIL GATE (TG)	N/A	N/A	N/A

**REMARKS:** The master switch is the same as the individual switch for the left front window.

RECORDED BY: **MATTHEW S. HUBBARD**

DATE: **06/26/09**

APPROVED BY: **MICHAEL L. DUNLAP**

DATE: **06/26/09**

#### 4. PHOTOGRAPHS

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Figure 1: Frontal ¾ View From Right Side of Vehicle

2009 DODGE JOURNEY  
NHTSA NO. C90302  
FMVSS NO. 118



2009 DODGE JOURNEY  
NHTSA NO. C90302  
FMVSS NO. 118

Figure 2: Rear ¾ View From Left Side of Vehicle



MFD BY **CHRYSLER LLC**

DATE OF MFR:	6-08	GVWR:	2271 KG	05005 LB
GVWR FRONT:	1248 KG	2750 LB	P225/70R16	TIRES
	16X6.5		220 KPA ( 32 PSI)	COLD
GVWR REAR:	1316 KG	2900 LB	P225/70R16	TIRES
	16X6.5		220 KPA ( 32 PSI)	COLD

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

VIN: 3D4GG647B19T223594 TYPE: MPV TRIM: R70V 4648569  
 VEHICLE MADE IN MEXICO PAINT: P52

Figure 3: Vehicle Certification Label

2009 DODGE JOURNEY  
NHTSA NO. C90302  
FMVSS NO. 118

**TIRE AND LOADING INFORMATION**

SEATING CAPACITY – TOTAL **5** FRONT **2** REAR **3**

THE COMBINED WEIGHT OF OCCUPANTS AND CARGO SHOULD NEVER EXCEED  
408 KG OR 900 LB

TIRE	FRONT	REAR	SPARE
ORIGINAL TIRE SIZE	P225/70R16	P225/70R16	T145/80R16
COLD TIRE INFLATION PRESSURE	220 kPa / 32 PSI	220 kPa / 32 PSI	420 kPa / 60 PSI

SEE OWNERS MANUAL FOR ADDITIONAL INFORMATION 

**9T223594**

2009 DODGE JOURNEY  
 NHTSA NO. C90302  
 FMVSS NO. 118

Figure 4: Tire Information Placard



2009 DODGE JOURNEY  
NHTSA NO. C90302  
FMVSS NO. 118

Figure 5: Ignition Switch



Figure 6: Left Front Master Power Window Switch

2009 DODGE JOURNEY  
NHTSA NO. C90302  
FMVSS NO. 118



2009 DODGE JOURNEY  
NHTSA NO. C90302  
FMVSS NO. 118

Figure 7: Right Front Power Window Switch



Figure 8: Left Rear Power Window Switch

2009 DODGE JOURNEY  
NHTSA NO. C90302  
FMVSS NO. 118



Figure 9: Right Rear Power Window Switch

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NHTSA NO. C90302  
FMVSS NO. 118



Figure 10: Overall Test Set-Up

2009 DODGE JOURNEY  
NHTSA NO. C90302  
FMVSS NO. 118

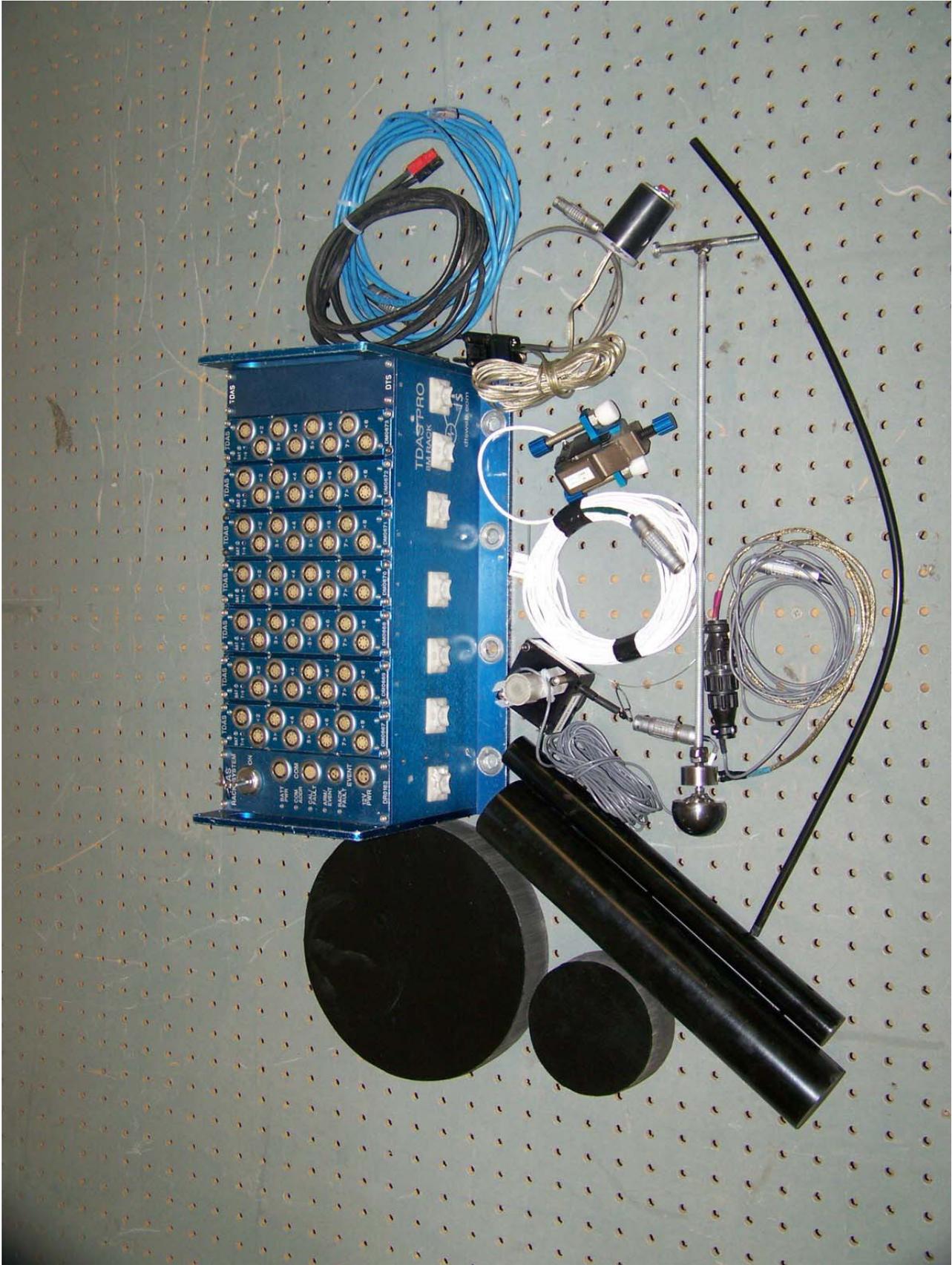


Figure 11: Instrumentation

2009 DODGE JOURNEY  
NHTSA NO. C90302  
FMVSS NO. 118



Figure 12: Sphere Test Master Control Panel

2009 DODGE JOURNEY  
NHTSA NO. C90302  
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Figure 13: Sphere Test Right Front Window

2009 DODGE JOURNEY  
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FMVSS NO. 118



Figure 14: Sphere Test Left Rear Window

2009 DODGE JOURNEY  
NHTSA NO. C90302  
FMVSS NO. 118



Figure 15: Sphere Test Right Rear Window

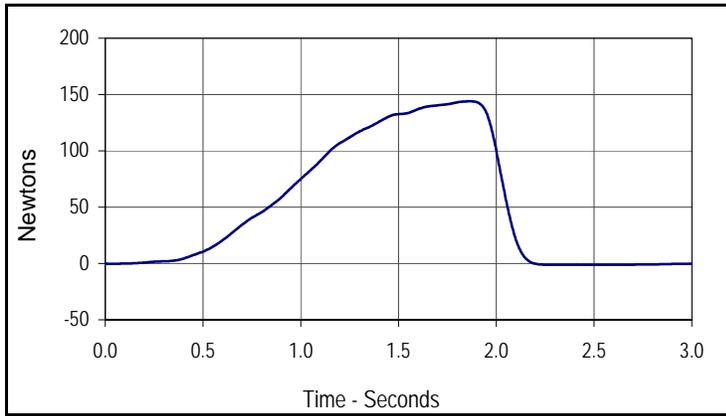
2009 DODGE JOURNEY  
NHTSA NO. C90302  
FMVSS NO. 118

## 5. DATA PLOTS

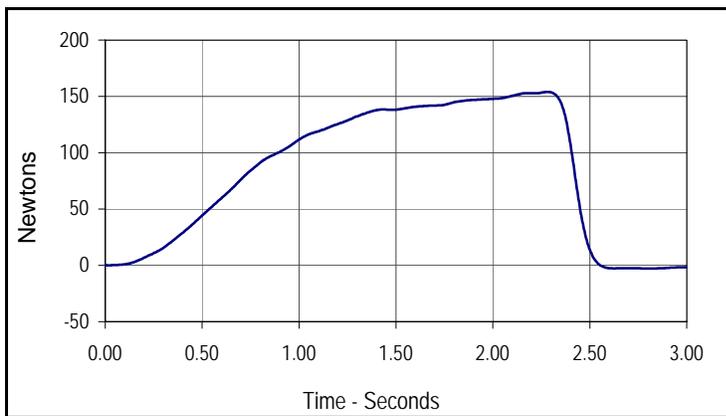
Figure 1	Master Left Front Window Switch	32
Figure 2	Master Right Front Window Switch	32
Figure 3	Master Left Rear Window Switch	32
Figure 4	Master Right Rear Window Switch	32
Figure 5	Right Front Window Switch	33
Figure 6	Left Rear Window Switch	33
Figure 7	Right Rear Window Switch	33
	Test Equipment List and Calibration Information	34

Test Vehicle: 2009 Dodge Journey 5-Door MPV  
 Test Program: FMVSS 118 (Master Switch Test)

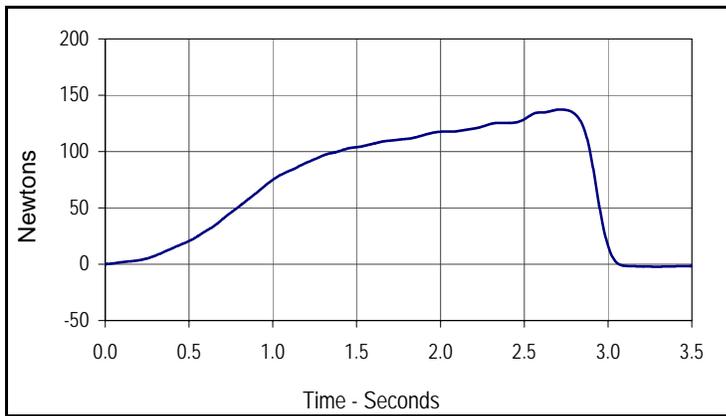
Test Date: 6/26/09  
 NHTSA No.: C90302



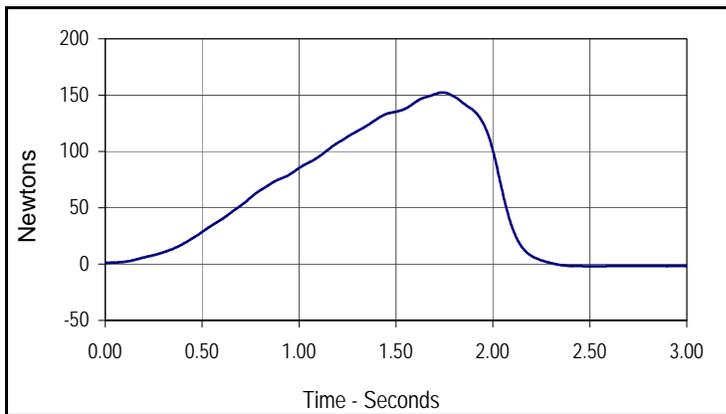
Curve Description			
Master Left Front Window Switch			
CURNO	Type	SAE Class	Units
001	FIL	180	Newtons
Max	Time	Min	Time
144.0	1.9	-1.1	2.3



Curve Description			
Master Right Front Window Switch			
CURNO	Type	SAE Class	Units
002	FIL	180	Newtons
Max	Time	Min	Time
154.0	2.3	-2.8	2.8



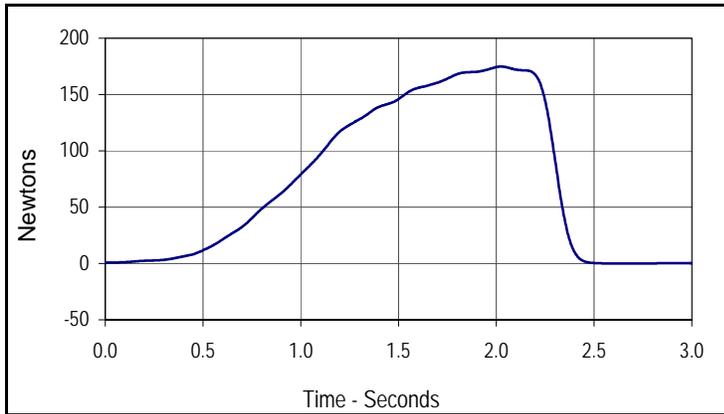
Curve Description			
Master Left Rear Window Switch			
CURNO	Type	SAE Class	Units
003	FIL	180	Newtons
Max	Time	Min	Time
137.4	2.7	-2.2	3.3



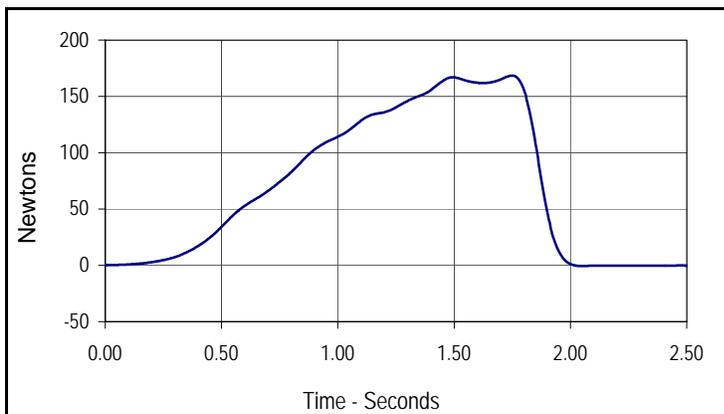
Curve Description			
Master Right Rear Window Switch			
CURNO	Type	SAE Class	Units
004	FIL	180	Newtons
Max	Time	Min	Time
152.4	1.7	-1.9	2.5

Test Vehicle: 2009 Dodge Journey 5-Door MPV  
 Test Program: FMVSS 118 (Switch Test)

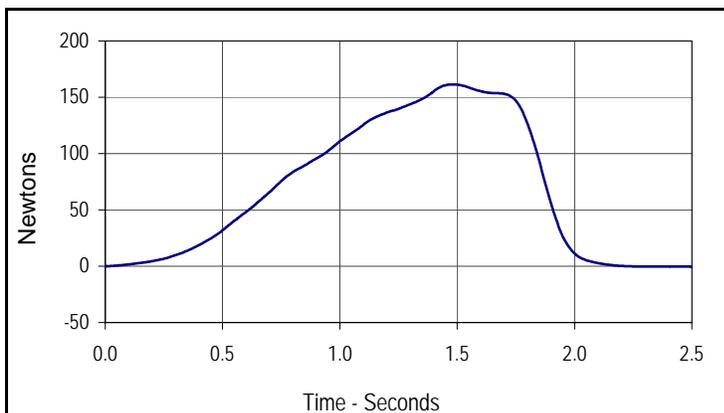
Test Date: 6/26/09  
 NHTSA No.: C90302



Curve Description			
Right Front Window Switch			
CURNO	Type	SAE Class	Units
005	FIL	180	Newtons
Max	Time	Min	Time
174.8	2.0	-0.5	0.0



Curve Description			
Left Rear Window Switch			
CURNO	Type	SAE Class	Units
006	FIL	180	Newtons
Max	Time	Min	Time
168.5	1.7	-0.7	3.2



Curve Description			
Right Rear Window Switch			
CURNO	Type	SAE Class	Units
007	FIL	180	Newtons
Max	Time	Min	Time
161.4	1.5	-0.5	3.6

**FMVSS 118**  
**Test Equipment List and Calibration Information**  
**06/26/09**  
**2009 Dodge Journey 5-Door MPV**

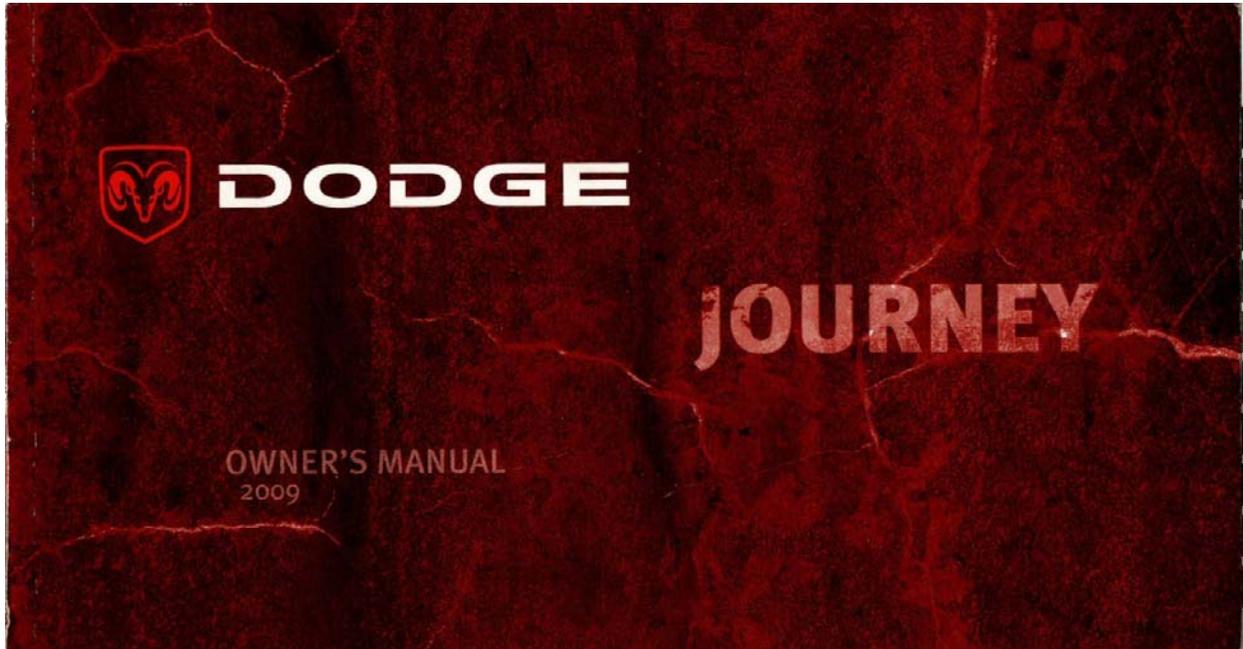
Description	Manufacturer	Model No.	Serial No.	Limit	Accuracy	Cal. Date	Due Cal.
DAS	DTS	TDAS Pro	DM0429	N/A	SAE J211	03/02/09	03/02/10
Laptop Computer	Toshiba	Satellite	LAP02	N/A	N/A	N/A	N/A
Load Cell	Lebow	261134	K118	300 Newtons	± 1.0%	04/26/09	04/26/10



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

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

VEHICLE			
YEAR	2009	MAKE	Dodge
MODEL	Journey	BODY STYLE	5-Door MPV
NHTSA NO.	C90302	VIN	3D4GG47B19T223594
TEST DATE:	06/26/09		



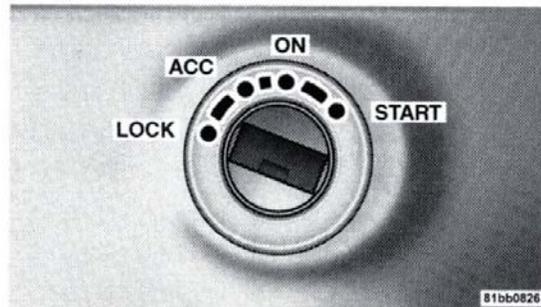
**12 THINGS TO KNOW BEFORE STARTING YOUR VEHICLE**

**A WORD ABOUT YOUR KEYS**

Your vehicle uses a keyless ignition system. This system consists of a Fob with Integrated Key and a Wireless Ignition Node (WIN) with integral ignition switch. You can insert the double-sided integrated key into the ignition switch with either side up.

**Wireless Ignition Node (WIN)**

The Wireless Ignition Node (WIN) operates similarly to an ignition switch. It has four operating positions, three of which are detented and one spring-loaded. The detented positions are LOCK, ACC, and ON. The START position is a spring-loaded momentary contact position. When released from the START position, the switch automatically returns to the detented ON position.



Wireless Ignition Node (WIN)

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

VEHICLE			
YEAR	2009	MAKE	Dodge
MODEL	Journey	BODY STYLE	5-Door MPV
NHTSA NO.	C90302	VIN	3D4GG47B19T223594
TEST DATE:	06/26/09		

## THINGS TO KNOW BEFORE STARTING YOUR VEHICLE 13

### Fob With Integrated Key

The Fob with Integrated Key operates the ignition switch. It also contains the Remote Keyless Entry (RKE) transmitter and a valet key, which stores in the rear of the Fob.

The valet key allows for entry into the vehicle should the battery in the vehicle or the Fob go dead. You can keep the valet key with you when valet parking.

To remove the valet key from the Fob, slide the mechanical latch at the top of the Fob sideways with your thumb and then pull the key out of the Fob with your other hand.



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Valet Key Removal

#### NOTE:

- You can insert the double-sided valet key into the lock cylinder with either side up.
- Only the drivers door is equipped with a lock cylinder.

## 14 THINGS TO KNOW BEFORE STARTING YOUR VEHICLE

### Tip Start Feature

Do not press the accelerator. Use the Fob with Integrated Key to briefly turn the ignition switch to the START position and release it as soon as the starter engages. The starter motor will continue to run, and it will disengage automatically when the engine is running.

### Ignition Key Removal

Place the shift lever in PARK. Turn the key to the LOCK position and then remove the key.

#### NOTE:

- For vehicles not equipped with the Electronic Vehicle Information Center (EVIC), the power window switches, radio, power sunroof (if equipped), and ignition-powered power outlets will remain active for approximately 45 seconds after the ignition switch is turned to the LOCK position. Opening either front door will cancel this feature.

- For vehicles equipped with the EVIC, the power window switches, radio, power sunroof (if equipped), and ignition-powered power outlets will remain active for up to 10 minutes after the ignition switch is turned to the LOCK position. Opening either front door will cancel this feature. The time for this feature is programmable. Refer to "Key-Off Power Delay," under "Personal Settings (Customer Programmable Features)" under "Electronic Vehicle Information Center (EVIC)" in Section 4.

### WARNING!

Never leave children alone in a vehicle. Leaving unattended children in a vehicle is dangerous for a number of reasons. A child or others could be seriously or fatally injured. Don't leave the key in the ignition. A child could operate power windows, other controls, or move the vehicle.

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

VEHICLE			
YEAR	2009	MAKE	Dodge
MODEL	Journey	BODY STYLE	5-Door MPV
NHTSA NO.	C90302	VIN	3D4GG47B19T223594
TEST DATE:	06/26/09		

## THINGS TO KNOW BEFORE STARTING YOUR VEHICLE 15

### CAUTION!

An unlocked car is an invitation to thieves. Always remove the key from the ignition and lock all doors when leaving the vehicle unattended.

#### Key-In-Ignition Reminder

If you open the driver's door and the key is in the ignition, a chime will sound to remind you to remove the key.

**NOTE:** The Key-In-Ignition reminder only sounds when the ignition key is placed in the LOCK or ACC position.

#### SENTRY KEY® IMMOBILIZER SYSTEM

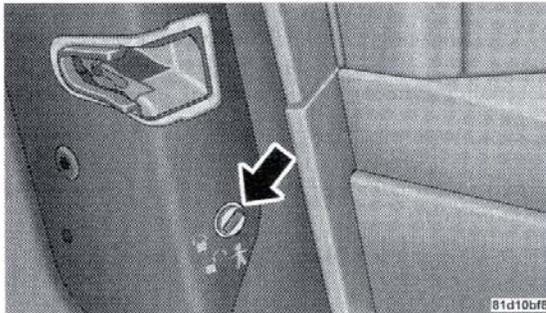
The Sentry Key® Immobilizer system prevents unauthorized vehicle operation by disabling the engine. The system does not need to be armed or activated. Operation is automatic, regardless of whether the vehicle is locked or unlocked.

The system uses the factory-mated Remote Keyless Entry (RKE) transmitter with integrated key and Wireless Ignition Node (WIN) to prevent unauthorized vehicle operation. Therefore, only RKE transmitters that are programmed to the vehicle can be used to start and operate the vehicle. The system will not allow the engine to crank if an invalid RKE transmitter is used to operate the ignition switch.

After turning the ignition switch to the ON position, the Vehicle Security Light will turn on for three seconds for a bulb check. If the light remains on after the bulb check, it

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## 34 THINGS TO KNOW BEFORE STARTING YOUR VEHICLE



Child Lock Control

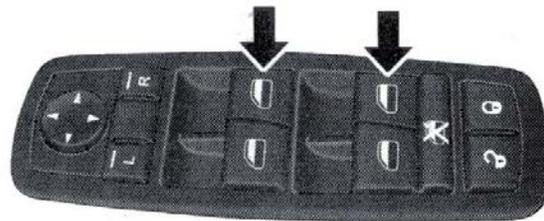
3. Repeat Steps 1 and 2 for the opposite rear door.

**NOTE:** After disengaging the Child Protection Door Lock system, always test the door from the inside to make certain it is in the desired position.

## WINDOWS

### Power windows

The window controls on the driver's door trim panel control all of the door windows.



Power Window Switches

81d10c00

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

VEHICLE			
YEAR	2009	MAKE	Dodge
MODEL	Journey	BODY STYLE	5-Door MPV
NHTSA NO.	C90302	VIN	3D4GG47B19T223594
TEST DATE:	06/26/09		

## THINGS TO KNOW BEFORE STARTING YOUR VEHICLE 35

There are single window controls on each passenger door trim panel, which operate the passenger door windows. The window controls will operate when the ignition switch is in the ON or ACC position.

### NOTE:

- For vehicles not equipped with the Electronic Vehicle Information Center (EVIC), the power window switches will remain active for 45 seconds after the ignition switch is turned to the LOCK position. Opening either front door will cancel this feature.
- For vehicles equipped with the EVIC, the power window switches will remain active for up to 10 minutes after the ignition switch is turned to the LOCK position. Opening either front door will cancel this feature. The time for this feature is programmable. Refer to "Key-Off Power Delay," under "Personal

Settings (Customer Programmable Features)" under "Electronic Vehicle Information Center (EVIC)" in Section 4.

### WARNING!

Never leave children in a vehicle with the key in the ignition switch. Occupants, particularly unattended children, can become entrapped by the windows while operating the power window switches. Such entrapment may result in serious injury or death.

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### Auto-Down Feature

The driver's power window switch has an Auto-down feature. Press the window switch past the first detent, release, and the window will go down automatically.

## 36 THINGS TO KNOW BEFORE STARTING YOUR VEHICLE

To open the window part way, press the window switch to the first detent and release it when you want the window to stop.

To stop the window from going all the way down during the Auto-down operation, pull up on the switch briefly.

### Auto-Up Feature with Anti-Pinch Protection — If Equipped

On some models, the driver's power window switch has an Auto-up feature. Pull the window switch up to the second detent, release, and the window will go up automatically.

To stop the window from going all the way up during the Auto-up operation, push down on the switch briefly.

To close the window part way, pull the window switch up to the first detent and release it when you want the window to stop.

### NOTE:

- If the window runs into any obstacle during Auto-closure, it will reverse direction and then stop. Remove the obstacle and use the window switch again to close the window.
- Any impact due to rough road conditions may trigger the auto-reverse function unexpectedly during auto-closure. If this happens, pull the switch lightly to the first detent and hold to close window manually.

### WARNING!

There is no anti-pinch protection when the window is almost closed. To avoid personal injury, be sure to clear your arms, hands, fingers, and objects from the window path before closing the window. Such entrapment may result in serious injury.