

**FMVSS 122 - DATA SHEET 5  
FIRST (PREBURNISHED) EFFECTIVENESS TEST (S7.3.1)**

VEHICLE:	650c	DATE:	4/7/10	NHTSA NUMBER:	
TIRE PRESSURE: (FRONT):	58 psi	TIRE PRESSURE (REAR):	58 psi	AMBIENT TEMP. °F:	75
ODOMETER START:	69	ODOMETER FINISH:	71	WIND VELOCITY (MPH):	8

**TEST CONDITIONS:**

Test Speed	30 mi/h	60 mi/h
Initial Brake Temperature (IBT)	130°F to 150°F	130°F to 150°F
Runs Required	6	6
Maximum Stop Distance Allowed	54 ft.	216 ft.
Maximum Allowable Brake Actuation Forces	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs
Wheel Lockup	No	No
Brakes Utilized	Both hand levers	Both hand levers

**30 mi/h DATA -**

Stop No.	Test Speed (mi/h)	Initial Brake Temp. (°F)		Actual Stopping Distance (ft.)	Corrected Stopping Distance (ft.)	Pedal Pressure (lbs.)		Rear Brake Lever Force (lbs.)		Vehicle Deceleration (ft./s/s)		Wheel Lockup	Stay in Lane
		Front	Rear			Max	Avg	Max	Avg	Max	Avg		
1	30	129	116 119	37		76.9						Yes	Yes
2	30	130	112 114	36.9		57.6						Yes	Yes
3	30	142	118 115	33		57.6						No	Yes
4	30	137	115 112	36		74.7						No	Yes
5	30	145	121 118	27.7		77.1						No	Yes
6	30	146	120 119	31.1		64.8						No	Yes

Driver - Donnie

Inspect. Ed

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TIRE PRESSURE: (FRONT):	58psi	TIRE PRESSURE (REAR):	58psi	AMBIENT TEMP. °F:	75
ODOMETER START:	71	ODOMETER FINISH:	73	WIND VELOCITY (MPH):	8

**TEST CONDITIONS:**

Test Speed	30 mi/h	60 mi/h
Initial Brake Temperature (IBT)	130°F to 150°F	130°F to 150°F
Runs Required	6	6
Maximum Stop Distance Allowed	54 ft.	216 ft.
Maximum Allowable Brake Actuation Forces	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs
Wheel Lockup	No	No
Brakes Utilized	Both hand levers	Both hand levers

**30 mi/h DATA -**

Stop No.	Test Speed (mi/h)	Initial Brake Temp. (°F)		Actual Stopping Distance (ft.)	Corrected Stopping Distance (ft.)	Pedal Pressure (lbs.)		Rear Brake Lever Force (lbs.)		Vehicle Deceleration (ft./s/s)		Wheel Lockup	Stay In Lane
		Front	Rear			Max	Avg	Max	Avg	Max	Avg		
1	30	128	125/120	34		63.9						no	yes
2	30	132	127/121	34.8		67.1						no	yes
3	30	137	129/125	35.5		65.0						no	yes
4	30	146	130/127	33.10		56.1						no	yes
5	30	141	128/126	39.9		65.9						no	yes
6	30	149	131/128	34.10		59.1						no	yes

Driver - Donnie

Inspect - Ed

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VEHICLE:	650 c	DATE:	4/7/10	NHTSA NUMBER:	
TIRE PRESSURE: (FRONT):	58 psi	TIRE PRESSURE (REAR):	58 psi	AMBIENT TEMP. °F:	76
ODOMETER START:	73	ODOMETER FINISH:	75	WIND VELOCITY (MPH):	6

**TEST CONDITIONS:**

Test Speed	30 mi/h	60 mi/h
Initial Brake Temperature (IBT)	130°F to 150°F	130°F to 150°F
Runs Required	6	6
Maximum Stop Distance Allowed	54 ft.	216 ft.
Maximum Allowable Brake Actuation Forces	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs
Wheel Lockup	No	No
Brakes Utilized	Both hand levers	Both hand levers

**30 mi/h DATA -**

Stop No.	Test Speed (mi/h)	Initial Brake Temp. (°F)		Actual Stopping Distance (ft.)	Corrected Stopping Distance (ft.)	Pedal Pressure (lbs.)		Rear Brake Lever Force (lbs.)		Vehicle Deceleration (ft./s/s)		Wheel Lockup	Stay In Lane
		Front	Rear			Max	Avg	Max	Avg	Max	Avg		
		1	30			117	105/100	30.8		67.2			
2	30	125	107/102	31		55.9						no	yes
3	30	122	107/100	31		65.9						no	yes
4	30	129	110/107	38		55.3						no	yes
5	30	137	112/110	34		47.3						yes	yes
6	30	142	119/114	35		66.1						yes	yes

Driver - Donnie  
Inspector - Ed

**FMVSS 122 - DATA SHEET 5  
FIRST (PREBURNISHED) EFFECTIVENESS TEST (S7.3.1)**

VEHICLE:	650 C	DATE:	5/10/10	NHTSA NUMER:	
TIRE PRESSURE: (FRONT): PSI	32	TIRE PRESSURE (REAR): PSI	32	AMBIENT TEMP. °F:	59'
ODOMETER START:	111	ODOMETER FINISH:	115.2	WIND VELOCITY (MPH):	4.2

**TEST CONDITIONS:**

Test Speed	30 mi/h	60 mi/h
Initial Brake Temperature (IBT)	130°F to 150°F	130°F to 150°F
Runs Required	6	6
Maximum Stop Distance Allowed	54 ft.	216 ft.
Maximum Allowable Brake Actuation Forces	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs
Wheel Lockup	No	No
Brakes Utilized	Both hand levers	Both hand levers

**30 mi/h DATA -**

Stop No.	Test Speed (mi/h)	Initial Brake Temp. (°F)		Actual Stopping Distance (ft.)	Corrected Stopping Distance (ft.)	Pedal Pressure (lbs.)		Rear Brake Lever Force (lbs.)		Vehicle Deceleration (ft./s/s)		Wheel Lockup	Stay in Lane
		Front	Rear			Max	Avg	Max	Avg	Max	Avg		
1	30	125	133/135	37		61.7						no	Yes
2	30	127	135/137	36.9		57.8						no	Yes
3	30	130	136/137	33.7		67.6						no	Yes
4	30	135	140/139	36.5		57.4						no	Yes
5	30	133	139/141	40.2		70.6						no	Yes
6	30	130	147/143	37.0		54.2						no	Yes

Swept. Concrete free from debris

Driver - Donnie

Tester - Ed

Time: 2:00

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VEHICLE:	650c	DATE:	5/10/10	NHTSA NUMER:	
TIRE PRESSURE: (FRONT): PSI	32	TIRE PRESSURE (REAR): PSI	32	AMBIENT TEMP. °F:	59.°
ODOMETER START:	115.2	ODOMETER FINISH:	117	WIND VELOCITY (MPH):	4.2.

**TEST CONDITIONS:**

Test Speed	30 mi/h	60 mi/h
Initial Brake Temperature (IBT)	130°F to 150°F	130°F to 150°F
Runs Required	6	6
Maximum Stop Distance Allowed	54 ft.	216 ft.
Maximum Allowable Brake Actuation Forces	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs
Wheel Lockup	No	No
Brakes Utilized	Both hand levers	Both hand levers

**30 mi/h DATA -**

Stop No.	Test Speed (mi/h)	Initial Brake Temp. (°F)		Actual Stopping Distance (ft.)	Corrected Stopping Distance (ft.)	Pedal Pressure (lbs.)		Rear Brake Lever Force (lbs.)		Vehicle Deceleration (ft./s/s)		Wheel Lockup	Stay in Lane
		Front	Rear			Max	Avg	Max	Avg	Max	Avg		
1	30	127	132/134	36.9		68.3						no	yes
2	30	129	134/136	35		73.2						no	yes
3	30	131	133/137	33.10		60.0						yes	yes
4	30	135	135/137	34.8		59.5						no	yes
5	30	140	132/133	39.0		67.4						yes	yes
6	30	133	130/134	36.4		72.1						no	yes.

Swept. Concrete.  
Driver: John  
Test: E0

**FMVSS 122 - DATA SHEET 5  
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VEHICLE:	650c	DATE:	5/10/10	NHTSA NUMER:	
TIRE PRESSURE: (FRONT): PSI	32	TIRE PRESSURE (REAR): PSI	32	AMBIENT TEMP. °F:	59
ODOMETER START:	117	ODOMETER FINISH:	120	WIND VELOCITY (MPH):	2.0

**TEST CONDITIONS:**

Test Speed	30 mi/h	60 mi/h
Initial Brake Temperature (IBT)	130°F to 150°F	130°F to 150°F
Runs Required	6	6
Maximum Stop Distance Allowed	54 ft.	216 ft.
Maximum Allowable Brake Actuation Forces	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs
Wheel Lockup	No	No
Brakes Utilized	Both hand levers	Both hand levers

**30 mi/h DATA -**

Stop No.	Test Speed (mi/h)	Initial Brake Temp. (°F)		Actual Stopping Distance (ft.)	Corrected Stopping Distance (ft.)	Pedal Pressure (lbs.)		Rear Brake Lever Force (lbs.)		Vehicle Deceleration (ft./s/s)		Wheel Lockup	Stay In Lane
		Front	Rear			Max	Avg	Max	Avg	Max	Avg		
1	30	129	130/131	32.7		56.4						no	yes
2	30	131	131/132	29.4		61.7						no	yes
3	30	135	135/137	32.1		64.6						no	yes
4	30	133	134/138	34.8		67.8						no	yes
5	30	130	135/137	35.7		59.5						no	yes
6	30	132	133/134	33.0		71.5						no	yes

Swept Concrete.  
Driver: Donn C  
Test: EO.

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VEHICLE:	650c	DATE:	5/10/10	NHTSA NUMER:	
TIRE PRESSURE: (FRONT): PSI	32	TIRE PRESSURE (REAR): PSI	32	AMBIENT TEMP. °F:	59°
ODOMETER START:	120	ODOMETER FINISH:	123	WIND VELOCITY (MPH):	2.0

**TEST CONDITIONS:**

Test Speed	30 mi/h	60 mi/h
Initial Brake Temperature (IBT)	130°F to 150°F	130°F to 150°F
Runs Required	6	6
Maximum Stop Distance Allowed	54 ft.	216 ft.
Maximum Allowable Brake Actuation Forces	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs	Hand Lever Force ≤ 55lbs Foot Pedal Force ≤ 90lbs
Wheel Lockup	No	No
Brakes Utilized	Both hand levers	Both hand levers

**30 mi/h DATA -**

Stop No.	Test Speed (mi/h)	Initial Brake Temp. (°F)		Actual Stopping Distance (ft.)	Corrected Stopping Distance (ft.)	Pedal Pressure (lbs.)		Rear Brake Lever Force (lbs.)		Vehicle Deceleration (ft./s/s)		Wheel Lockup	Stay In Lane
		Front	Rear			Max	Avg	Max	Avg	Max	Avg		
		1	30			142	129/118	31.10		70.7			
2	30	140	131/122	27.6		70.4						no	yes
3	30	139	133/127	29.2		59.8						no	yes
4	30	138	135/132	35.0		47.5						yes	yes
5	30	145	137/133	34.0		69.6						no	yes
6	30	142	125/132	37.3		79.5						no	yes

Swept. Concrete.  
Driver: Donnie  
Test. EO.