

## INSTRUMENTATION/DRIVER INFO.

id092200018200

### Outline

- An LCD has been adopted to the instrument cluster which displays the ambient temperature, trip computer, and odometer/tripmeter. (Without TFT LCD)
- A TFT LCD has been adopted to the instrument cluster which displays the door-ajar warning light, trip computer, and warning messages. (With TFT LCD)
- A tachometer with a striped zone which indicates that the engine is running at excess engine speed has been adopted. (With striped zone)
- A rear vehicle monitoring (RVM) system has been adopted which notifies the driver of vehicles approaching from behind and warns the driver if the driver tries to change lanes to the side of the approaching vehicle. (With rear vehicle monitoring (RVM) system)
- A blind spot monitoring (BSM) system has been adopted which notifies the driver of vehicles approaching from behind on the left or right adjacent lanes in the driver's blind spot, and warns the driver if the driver tries to change lanes to the side of the approaching vehicle. (With blind spot monitoring (BSM) system)
- A parking assist system has been adopted which detects obstructions in the blind spot (vehicle front/rear/corners) to a wide extent using ultrasonic sensors and notifies the driver of the obstructions. (With parking sensor system)
- A lane departure warning system (LDWS) has been adopted which recognizes vehicle lane lines on the road using the forward sensing camera (FSC) installed to the windshield and notifies the driver if the vehicle may depart from its lane unbeknownst to the driver. (With lane departure warning system (LDWS))
- A clock has been adopted to the LCD which displays the current time, passenger/rear seat belt warning light, and front passenger air bag deactivation indicator light. (With manual A/C)

### Specification

Item			Specification
Instrument cluster	Warning lights	Brightness level (cd/m <sup>2</sup> )	200—300
		Light source	LED
	Indicator lights	Brightness level (cd/m <sup>2</sup> )	85—135
		Light source	LED
	Warning beep	Oscillation frequency (Hz)	1,000—2,200
		Output sound pressure (dB)	46.0—72.5
	Display sound	Oscillation frequency (Hz)	1,700—1,800
		Output sound pressure (dB)	50.0—60.0
	Speedometer	System	Stepping motor type
		Display	Analog needle
		Input signal communication system	CAN system
	Tachometer	System	Stepping motor type
		Display	Analog needle
		Input signal communication system	CAN system
	Low engine coolant temperature indicator light/High engine coolant temperature warning light	Operation	(See LOW ENGINE COOLANT TEMPERATURE INDICATOR LIGHT (BLUE)/ HIGH ENGINE COOLANT TEMPERATURE WARNING LIGHT (RED).)
		Input signal communication system	CAN system

Instrument cluster	Fuel gauge	System		LCD														
		Input signal source		Fuel gauge sender unit														
		Remaining fuel quantity (L {US gal, Imp gal}) in fuel tank	Segment indication number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
			2WD	6—8 {1.6—2.1, 1.4—1.7}	8—10 {3.0—2.6, 2.0—2.1}	10—12 {2.7—3.1, 2.2—2.6}	12—14 {3.6—3.1, 2.7—3.0}	14—16 {4.2—3.1, 3.6—3.5}	16—18 {4.7—3.6, 4.2—3.9}	18—22 {5.8—4.0, 4.9—4.8}	22—25 {6.6—4.9, 5.5—6.3}	25—29 {7.6—6.4, 7.3—8.1}	29—33 {8.7—7.3, 8.2—8.7}	33—37 {9.7—8.2, 8.7—9.6}	37—40 {10.0—11.6, 11.0—8.8}	40—44 {11.7—12.6, 12.9—9.6}	44—48 {13.1—14.1, 11—12}	48—56 {13—14, 11—12}
				4WD	6—8 {1.6—2.1, 1.4—1.7}	8—10 {3.0—2.6, 2.0—2.1}	10—12 {2.7—3.1, 2.2—2.6}	12—14 {3.6—3.1, 2.7—3.0}	14—16 {4.2—3.1, 3.6—3.5}	16—18 {4.7—3.6, 4.2—3.9}	18—22 {5.8—4.0, 4.9—4.8}	22—26 {6.8—4.9, 5.8—6.5}	26—30 {7.9—6.6, 7.5—7.4}	30—34 {8.9—7.5, 8.3—8.3}	34—38 {10.0—8.4, 9.2—9.2}	38—42 {11.1—12.1, 11.9—10.0}	42—46 {12.2—13.1, 12.9—10.9}	46—50 {12.2—13.1, 12.9—10.9}
		Remaining fuel level (L {US gal, Imp gal}) when fuel tank level warning light illuminates	2WD	Approx. 9 {2, 2}														
			4WD															
		Invalid remaining fuel level. (L {US gal, Imp gal})	2WD	Approx. 1.36 {0.359, 0.299}														
			4WD	Approx. 0.45 {0.12, 0.099}														
		Odometer	System		LCD													
	Display area		0—999,999															
	Minimum display unit		(km {mile})	1 {0.6}														
	Input signal communication system		CAN system															
	Tripmeter	System		LCD														
		Display area		Returns to 0.0 from 999.9, calculation continues														
		Minimum display unit	(km {mile})	0.1 {0.06}														
Input signal communication system		CAN system																

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Horn	Type A	Oscillation frequency (Hz)	390—440
		Waveform	Spiral
	Type B	Oscillation frequency (Hz)	385—425
		Waveform	Spiral

## Structural view

