

а	b	c d		b c d		е	f
240	240	-10 (-35) ATDC	70(25) ABDC	10	50		

Drive Belt

INFOID:000000010112420

INFOID:000000010112418

DRIVE BELT

Tension of drive belt	Belt tension is not necessary, as it is automat	Belt tension is not necessary, as it is automatically adjusted by drive belt auto-tensioner.				
Spark Plug		INFOID:000000010112421				
SPARK PLUG		Linit: mm (in)				
Make		DENSO				
Standard type*		FXE22HR11				
Gap	Standard	1.1 (0.043)				
*: Always check with the Par	ts Department for the latest parts information.					

Front Wheel Alignment (Unladen*1)

UNITED STATES

Engine type	QR2	25DE	VQ35DE		
Tire size	215/60R16	215/55R17	235/45R18		

< REMOVAL AND INSTALLATION >

REMOVAL AND INSTALLATION ACCELERATOR CONTROL SYSTEM

Exploded View

INFOID:000000009464594 ACC

А

SEC. 180 D Ε ojõ 0 0) \cap 0 F 0 Ø (1) R Н G 0 5.1 (0.52, 45) 0 UG3 Κ AWBIA1396ZZ 1. Accelerator pedal assembly <⊐ Front L Removal and Installation INFOID:000000009464595 Μ REMOVAL 1. Disconnect the harness connector from accelerator pedal assembly. Ν

- Remove the two accelerator pedal bolts. 2.
- 3. Remove the accelerator pedal assembly. **CAUTION:**
 - Do not disassemble the accelerator pedal assembly.
 - · Do not drop or impact the accelerator pedal assembly.
 - Do not expose the accelerator pedal assembly to water.

INSTALLATION

Installation is in the reverse order of removal.

Ο

Ρ

< SYSTEM DESCRIPTION > SYSTEM DESCRIPTION COMPONENT PARTS

Component Parts Location





< DTC/CIRCUIT DIAGNOSIS >

C1198 VACUUM SENSOR

DTC Logic

INFOID:000000009463813

DTC DETECTION LOGIC

DTC	Display Item	Malfunction detected condition	Possible causes
C1198	VACUUM SEN CIR	 When an open circuit is detected in vacuum sensor circuit. When a short circuit is detected in vacuum sensor circuit. When a malfunction is detected in vacuum sensor noise. 	 Harness or connector Vacuum sensor (brake booster) ABS actuator and electric unit (control unit)

DTC CONFIRMATION PROCEDURE

1. CHECK SELF-DIAGNOSTIC RESULT

() With CONSULT.

- 1. Turn the ignition switch ON.
- 2. Perform self-diagnostic result.

Is DTC C1198 detected?

- YES >> Proceed to diagnosis procedure. Refer to <u>BRC-100, "Diagnosis Procedure"</u>.
- NO >> Inspection End.

Diagnosis Procedure

INFOID:000000009463814

Regarding Wiring Diagram information, refer to BRC-47, "Wiring Diagram".

1. CHECK VACUUM SENSOR CIRCUIT

- 1. Turn the ignition switch OFF.
- 2. Disconnect vacuum sensor harness connector.
- 3. Disconnect ABS actuator and electric unit (control unit) harness connector.
- 4. Check continuity between vacuum sensor harness connector and ABS actuator and electric unit (control unit) harness connector.

Vacuun	n sensor	ABS actuator and ele	Continuity	
Connector	Terminal	Connector	Terminal	Continuity
	1		12	
E27	2	E54	E54 24	
	3	†	5	

5. Check continuity between vacuum sensor harness connector and ground.

Vacuun	n sensor		Continuity			
Connector	Terminal	_	Continuity			
	1					
E27	2	Ground	No			
	3					

Is the inspection result normal?

YES >> GO TO 2.

NO >> Repair or replace malfunctioning components.

2. CHECK TERMINAL

PRECAUTION PRECAUTIONS

Precaution for Supplemental Restraint System (SRS) "AIR BAG" and "SEAT BELT PRE-TENSIONER"

The Supplemental Restraint System such as "AIR BAG" and "SEAT BELT PRE-TENSIONER", used along with a front seat belt, helps to reduce the risk or severity of injury to the driver and front passenger for certain types of collision. Information necessary to service the system safely is included in the SR and SB section of this Service Manual.

WARNING:

- To avoid rendering the SRS inoperative, which could increase the risk of personal injury or death in the event of a collision which would result in air bag inflation, all maintenance must be performed by an authorized NISSAN/INFINITI dealer.
- Improper maintenance, including incorrect removal and installation of the SRS, can lead to personal injury caused by unintentional activation of the system. For removal of Spiral Cable and Air Bag Module, see the SR section.
- Do not use electrical test equipment on any circuit related to the SRS unless instructed to in this Service Manual. SRS wiring harnesses can be identified by yellow and/or orange harnesses or harness connectors.

PRECAUTIONS WHEN USING POWER TOOLS (AIR OR ELECTRIC) AND HAMMERS

WARNING:

- When working near the Airbag Diagnosis Sensor Unit or other Airbag System sensors with the Ignition ON or engine running, DO NOT use air or electric power tools or strike near the sensor(s) with a hammer. Heavy vibration could activate the sensor(s) and deploy the air bag(s), possibly causing serious injury.
- When using air or electric power tools or hammers, always switch the Ignition OFF, disconnect the battery and wait at least three minutes before performing any service.

Precaution for Work

INFOID:000000009464716

- When removing or disassembling each component, be careful not to damage or deform it. If a component may be subject to interference, be sure to protect it with a shop cloth.
- When removing (disengaging) components with a screwdriver or similar tool, be sure to wrap the component with a shop cloth or vinyl tape to protect it.
- Protect the removed parts with a shop cloth and prevent them from being dropped.
- Replace a deformed or damaged clip.
- If a part is specified as a non-reusable part, always replace it with a new one.
- Be sure to tighten bolts and nuts securely to the specified torque.
- After installation is complete, be sure to check that each part works properly.
- · Follow the steps below to clean components:
- Water soluble dirt:
- Dip a soft cloth into lukewarm water, wring the water out of the cloth and wipe the dirty area.
- Then rub with a soft, dry cloth.
- Oily dirt:
- Dip a soft cloth into lukewarm water with mild detergent (concentration: within 2 to 3%) and wipe the dirty area.
- Then dip a cloth into fresh water, wring the water out of the cloth and wipe the detergent off.
- Then rub with a soft, dry cloth.
- Do not use organic solvent such as thinner, benzene, alcohol or gasoline.
- For genuine leather seats, use a genuine leather seat cleaner.

Precautions For Harness Repair

INFOID:000000009464717

ITS communication uses a twisted pair line. Be careful when repairing it.

< REMOVAL AND INSTALLATION > **REMOVAL AND INSTALLATION** FILAMENT

Inspection and Repair

INSPECTION

2.

each filament.

- 1. When measuring voltage, wrap tin foil around the top of the negative probe. Then press the foil against the wire with your finger.
 - SEL 122B Attach probe circuit tester (in Volt range) to middle portion of [+] [-]

 \oplus e 6 volts (normal filament)

- Heat wire

- 3. If a filament is burned out, circuit tester registers 0 or battery voltage.
- 4. To locate burned out point, move probe to left and right along filament. Test needle will swing abruptly when probe passes the point.



REPAIR

REPAIR EQUIPMENT

Conductive silver composition (Dupont No. 4817 or equivalent)

DEF-41

2014 Altima NAM

SEL265

-Burned out point [-] [+] DEF V Ð Θ 12 volts [+] [-] Burned out point 6 0 volts



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INFOID:000000009463060

SEL263

ECM

< ECU DIAGNOSIS INFORMATION >

[QR25DE]

DTC	*1	Marca a	ODT			Dormonont	D. (
CONSULT	FON *3	(CONSULT screen terms)	code	Trip	MIL	DTC group ^{*4}	page
GST ^{*2}	ECM a	()				Die group	P3-
P060A	060A	CONTROL MODULE	—	1 or 2	× or —	В	<u>EC-405</u>
P060B	060B	CONTROL MODULE	—	1	×	В	<u>EC-406</u>
P0643	0643	SENSOR POWER/CIRC	—	1	×	В	<u>EC-407</u>
P0850	0850	P-N POS SW/CIRCUIT	—	2	×	В	<u>EC-410</u>
P1078	1078	EXH TIM SEN/CIRC-B1	—	2	×	В	<u>EC-413</u>
P1148	1148	CLOSED LOOP-B1	—	1	×	A	<u>EC-416</u>
P117A	117A	AIR FUEL RATIO B1	—	2	×	A	EC-417
P1212	1212	TCS/CIRC	—	2	—	—	EC-422
P1217	1217	ENG OVER TEMP	—	1	×	В	<u>EC-423</u>
P1225	1225	CTP LEARNING-B1	—	2	_	—	<u>EC-426</u>
P1226	1226	CTP LEARNING-B1	—	2	_		<u>EC-427</u>
P1550	1550	BAT CURRENT SENSOR		2		—	<u>EC-428</u>
P1551	1551	BAT CURRENT SENSOR	_	2		—	EC-431
P1552	1552	BAT CURRENT SENSOR	_	2		—	<u>EC-431</u>
P1553	1553	BAT CURRENT SENSOR	_	2		—	<u>EC-434</u>
P1554	1554	BAT CURRENT SENSOR	_	2	_	—	<u>EC-437</u>
P1556	1556	BAT TMP SEN/CIRC	—	2	_		<u>EC-440</u>
P1557	1557	BAT TMP SEN/CIRC	—	2	_	_	<u>EC-440</u>
P1564	1564	ASCD SW	—	1	_		<u>EC-442</u>
P1572	1572	ASCD BRAKE SW	—	1	_		<u>EC-445</u>
P1574	1574	ASCD VHL SPD SEN	—	1	_	—	<u>EC-452</u>
P1610	1610	LOCK MODE	—	2	_	_	<u>SEC-68</u>
P1611	1611	ID DISCORD,IMMU-ECM	—	2	_	—	<u>SEC-69</u>
P1612	1612	CHAIN OF ECM-IMMU	—	2	—	—	<u>SEC-70</u>
P1715	1715	IN PULY SPEED	—	2	—		EC-454
P1800	1800	VIAS S/V-1	—	2	_	—	<u>EC-456</u>
P1805	1805	BRAKE SW/CIRCUIT	—	2	—	—	<u>EC-459</u>
P2004	2004	TUMBLE CONT/V	—	2	×	В	<u>EC-462</u>
P2014	2014	IN/MANIFOLD RUNNER POS SEN B1	—	2	×	В	EC-465
P2016	2016	IN/MANIFOLD RUNNER POS SEN B1	—	2	×	В	<u>EC-465</u>
P2017	2017	IN/MANIFOLD RUNNER POS SEN B1	—	2	×	В	<u>EC-465</u>
P2018	2018	IN/MANIFOLD RUNNER POS SEN B1	—	2	×	В	<u>EC-465</u>
P2096	2096	POST CAT FUEL TRIM SYS B1	—	2	×	A	EC-468
P2097	2097	POST CAT FUEL TRIM SYS B1	—	2	×	A	<u>EC-468</u>
P2100	2100	ETC MOT PWR-B1	—	1	×	В	<u>EC-472</u>
P2101	2101	ETC FNCTN/CIRC-B1	—	1	×	В	EC-475
P2103	2103	ETC MOT PWR	_	1	×	В	<u>EC-472</u>
P2118	2118	ETC MOT-B1	_	1	×	В	<u>EC-478</u>
P2119	2119	ETC ACTR-B1	_	1	×	В	<u>EC-480</u>
P2122	2122	APP SEN 1/CIRC	—	1	×	В	<u>EC-482</u>
P2123	2123	APP SEN 1/CIRC	_	1	×	В	<u>EC-482</u>
P2127	2127	APP SEN 2/CIRC	—	1	×	В	<u>EC-485</u>

< DTC/CIRCUIT DIAGNOSIS >

P0506 ISC SYSTEM

Description

INFOID:000000009462306

The ECM controls the engine idle speed to a specified level through the fine adjustment of the air, which is let into the intake manifold, by operating the electric throttle control actuator. The operating of the throttle valve is varied to allow for optimum control of the engine idling speed. The crankshaft position sensor (POS) detects the actual engine speed and sends a signal to the ECM.

The ECM controls the electric throttle control actuator so that the engine speed coincides with the target value memorized in the ECM. The target engine speed is the lowest speed at which the engine can operate steadily. The optimum value stored in the ECM is determined by taking into consideration various engine conditions, such as during warming up, deceleration, and engine load (air conditioner, power steering and cooling fan operation, etc.).

DTC Logic

INFOID:000000009462307

DTC DETECTION LOGIC

NOTE:

If DTC P0506 is displayed with other DTC, first perform the trouble diagnosis for the other DTC.

DTC No.	CONSULT screen terms (Trouble diagnosis content)	DTC detecting condition	Possible cause		
P0506	ISC SYSTEM (Idle air control system RPM lower than expected)	The idle speed is less than the target idle speed by 100 rpm or more.	Electric throttle control actuatorIntake air leak		

DTC CONFIRMATION PROCEDURE

1.PRECONDITIONING

If DTC Confirmation Procedure has been previously conducted, always perform the following procedure before conducting the next test.

1. Turn ignition switch OFF and wait at least 10 seconds.

2. Turn ignition switch ON.

3. Turn ignition switch OFF and wait at least 10 seconds.

If the target idle speed is out of the specified value, perform<u>EC-179, "Work Procedure"</u>, before conducting DTC Confirmation Procedure.

TESTING CONDITION:

• Before performing the following procedure, confirm that battery voltage is more than 11 V at idle.

• Always perform the test at a temperature above -10°C (14°F).

>> GO TO 2.

2. PERFORM DTC CONFIRMATION PROCEDURE

- 1. Start engine and warm it up to normal operating temperature.
- 2. Turn ignition switch OFF and wait at least 10 seconds.
- 3. Start engine and run it for at least 1 minute at idle speed.
- 4. Check 1st trip DTC.

Is 1st trip DTC detected?

- YES >> Proceed to EC-382, "Diagnosis Procedure".
- NO >> INSPECTION END

Diagnosis Procedure

1.CHECK INTAKE AIR LEAK

- 1. Start engine and let it idle.
- 2. Listen for an intake air leak after the mass air flow sensor.

Is intake air leak detected?

YES >> Discover air leak location and repair.

IDLE AIR VOLUME LEARNING

< BASIC INSPECTION >

- 9. Start engine and let it idle.
- 10. Wait 20 seconds.



>> GO TO 4.

4.CHECK IDLE SPEED AND IGNITION TIMING

Rev up the engine 2 or 3 times and check that idle speed and ignition timing are within the specifications. For procedure, refer to <u>EC-992</u>, "<u>Work Procedure</u>" and <u>EC-993</u>, "<u>Work Procedure</u>". For specifications, refer to <u>EC-998</u>, "<u>Idle Speed</u>" and <u>EC-998</u>, "<u>Ignition Timing</u>".

Is the inspection result normal?

YES >> INSPECTION END

NO >> GO TO 5.

5.DETECT MALFUNCTIONING PART-I

Check the following

- · Check that throttle valve is fully closed.
- Check PCV valve operation.
- Check that downstream of throttle valve is free from air leakage.

Is the inspection result normal?

YES >> GO TO 6.

NO >> Repair or replace malfunctioning part.

6.DETECT MALFUNCTIONING PART-II

Engine component parts and their installation condition are questionable. Check and eliminate the cause of the incident.

It is useful to perform "TROUBLE DIAGNOSIS - SPECIFICATION VALUE". Refer to <u>EC-701, "Description"</u>. If any of the following conditions occur after the engine has started, eliminate the cause of the incident and perform Idle Air Volume Learning again:

Engine stalls.

• Incorrect idle.

>> INSPECTION END

CYLINDER BLOCK

< UNIT DISASSEMBLY AND ASSEMBLY >

 Measure outer diameter of piston pin using suitable tool (A). Refer to <u>EM-111, "Standard and Limit"</u>.



Piston Pin to Connecting Rod Bushing Clearance (Small End) (Piston pin to connecting rod bushing clearance (small end)) = (

(Piston pin to connecting rod bushing clearance (small end)) = (Inner diameter of connecting rod small end) – (Outer diameter of piston pin)

Standard : 0.005 - 0.017 mm (0.0002 - 0.0007 in)

- If the measured value exceeds the standard, replace the connecting rod assembly and/or piston and piston pin assembly.
 - (A) : Oil splash
 - (B) : Small end diameter grade
 - (C) : Reference code
 - (D) : Bearing stopper groove
 - (E) : Reference code
 - (F) : Cylinder No.
 - (G) : Big end diameter grade
- If replacing the piston and piston pin assembly, use the "Piston Selection Table" to select the piston corresponding to the applicable bore grade of the cylinder block to be used. Refer to <u>EM-105</u>, "How to <u>Select Piston and Bearing</u>".

Factory Installed Parts Grading:

Service parts apply only to grade 0 (B).

		Unit: mm (in)
Piston Pin Grade	0	1
Connecting rod small end inner bushing diameter	20.000 - 20.006 (0.7874 - 0.7876)	20.006 - 20.012 (0.7876 - 0.7879)
Piston pin outer diameter	19.989 - 19.995 (0.7870 - 0.7872)	19.995 - 20. 001 (0.7872 - 0.7874)
Piston pin bore diameter	19.993 - 19.999 (0.7871- 0.7874)	19.999 - 20.005 (0.7874 - 0.7876)

- (A) : Front mark
- (B) : Piston pin bore grade
- (C) : Piston grade I.D. stamp
- (D) : Piston crown I.D. code stamp
- (E) : ID mark

CYLINDER BLOCK DISTORTION

 Using a scraper, remove gasket on the cylinder block surface, and also remove oil, scale, carbon, or other contamination.

CAUTION:

Be careful not to allow gasket debris to enter the oil or coolant passages.



EM-100



NOISE, VIBRATION, AND HARSHNESS (NVH) TROUBLESHOOTING < SYMPTOM DIAGNOSIS >

SYMPTOM DIAGNOSIS

NOISE, VIBRATION, AND HARSHNESS (NVH) TROUBLESHOOTING

NVH Troubleshooting Chart

Use chart below to help you find the cause of the symptom. If necessary, repair or replace these parts.

Reference page				FAX-15. "Disassembly and Assembly (LH)", FAX-20. "Disassembly and Assembly (RH)"	EAX-7, "Inspection"	FAX-10. "Removal and Installation (LH)", FAX-12. "Removal and Installation (RH)"		EAX-6, "Inspection"	FSU-6, "NVH Troubleshooting Chart"	Refer to FRONT AXLE in this chart.	WT-52, "NVH Troubleshooting Chart"	WT-52. "NVH Troubleshooting Chart"	Refer to DRIVE SHAFT in this chart.	BR-6. "NVH Troubleshooting Chart"	ST-29. "NVH Troubleshooting Chart"	C FAX E F G H I J K
Possible cause and SUSPECTED PARTS		Excessive joint angle	Joint sliding resistance	Imbalance	Improper installation, looseness	Parts interference	Wheel bearing damage	SUSPENSION	FRONT AXLE	TIRES	ROAD WHEEL	DRIVE SHAFT	BRAKES	STEERING	L M	
	DRIVE	Noise	×	×					×	×	×	×		×	×	0
	SHAFT	Shake	×		×				×	×	×	×		×	×	-
		Noise				×	×		×		×	×	×	×	×	
Symptom		Shake				×	×		×		×	×	×	×	×	Ρ
	FRONT	Vibration				×	×		×		×		×		×	
	AALE	Shimmy				×	×		×		×	×		×	×	
		Shudder				×			×		×	×		×	×	
		Poor quality ride or handling				×	×	×	×		×	Х				

 \times : Applicable



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В

COMPONENT PARTS

< SYSTEM DESCRIPTION >



1.	ECM	2.	IPDM E/R	3.	BCM (view with combination meter removed)
4.	A/C auto amp. (view with A/C switch assembly removed)	5.	A/C switch assembly	6.	A/C Compressor
7.	Sunload sensor	8.	Refrigerant pressure sensor (view with front bumper fascia removed)	9.	Ambient sensor
10.	Fuse Block (J/B), Front blower motor relay	11.	In-vehicle sensor	12.	Accessory relay-2 (view with instru- ment panel removed)
13.	Blower motor (view with front A/C as- sembly removed from vehicle)	14.	Intake door motor	15.	Mode door motor
16.	Air mix door motor LH	17.	Air mix door motor RH	18.	Intake sensor

Component Description

Component	Description		
A/C auto amp.	A/C auto amp. controls front automatic air conditioning system by inputting and calculating signals from each sensor and each switch.		
A/C Compressor	Vaporized refrigerant is drawn into the A/C compressor from the evaporator, where it is compressed to a high pressure, high temperature vapor. The hot, compressed vapor is then discharged to the condenser.		
A/C switch assembly	The A/C switch assembly controls the operation of the A/C and heating system based on inputs from the temperature control knob, the mode switches, the blower control dial, the ambient temperature sensor, the intake sensor, and inputs received from the ECM across the CAN. Diagnosis of the A/C switch assembly can be performed using the CONSULT. There is no self-diagnostic feature available		
Air mix door motor LH	The air mix door controls the mix of hot or cold air that enters the ventilation system. It is controlled by the A/C auto amp. based on the position of the temperature dial. The air mix door motor LH receives position commands from the A/C auto amp. and reports actual door position back via an LCU (Local Control Unit) installed inside the motor. Commands and responses are sent across the LIN (Local Interconnect Network) to each motor simultaneously, with each motor having its own unique address, thereby only responding to requests sent to its specific address. The LCU reads the door position from a Position Balanced Resistor (PBR), also part of the motor, and returns that information to the A/C auto amp. The LCU switches the polarity of the circuits connected to the DC motor to drive the motor forward or backward as requested by the A/C auto amp. If the air mix door moves to a position less than 5% or more than 95% of its expected or allowed positions, the A/C auto amp. will set a DTC.		

CAN COMMUNICATION CIRCUIT

[CAN SYSTEM (TYPE 1)]

CAN COMMUNICA	TION CIRCUIT			
Diagnosis Procedure			INFOID:00000009461451	
1.CONNECTOR INSPECTION				
1. Turn the ignition switch	OFF.			
 Disconnect the battery of Disconnect all the unit of Check terminals and control 	able from the negative ten onnectors on CAN commu nnectors for damage, benc	minal. inication system. d and loose connection.		
Is the inspection result norm	al?			
YES >> GO TO 2.	inal and connector			
2. CHECK HARNESS CON	TINUITY (SHORT CIRCU	IT)		
Check the continuity betwee	n the data link connector to	erminals.		
	Data link connector			
Connector No.	Termi	nal No.	- Continuity	
M22	6	14	Not existed	
Is the inspection result norm	al?			
YES >> GO TO 3.	and repair the root cau	50		
Check the continuity betwee	n the data link connector a	and the ground.		
Data link	connector	_	Continuity	
Connector No.	Terminal No.	Ground		
M22	6		Not existed	
	14		Not existed	
Is the inspection result norm	<u>al?</u>			
NO >> Check the harne	ess and repair the root cau	se.		
4.CHECK ECM AND BCM	TERMINATION CIRCUIT			
1. Remove the ECM and the	he BCM.			
2. Check the resistance be	tween the ECM terminals.			
- QR engine models				
	ECM			
Terminal No.			Resistance (Ω)	
100	99	Approx. 108 – 132		
- VQ engine models				
ECM			Resistance (O)	
Terminal No.				
114	113		Approx. 108 – 132	
3. Check the resistance be	tween the BCM terminals.			
	BCM			
	Terminal No.		Resistance (Ω)	
60	59		Approx. 108 – 132	
		J 77		

< DTC/CIRCUIT DIAGNOSIS >

< REMOVAL AND INSTALLATION >

PUSH BUTTON IGNITION SWITCH

Exploded View

INFOID:000000009461665

INEOID:000000009461666

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Removal and Installation

REMOVAL

- 1. Remove instrument pad (LH). Refer to IP-14, "Exploded View".
- Release the pawl on each side of NATS antenna amp. (1) using a suitable tool and remove from the instrument pad (LH).
 (⁻): Pawl



Release the pawl on each side using a suitable tool and remove the push-button ignition switch from the NATS antenna amp.

INSTALLATION

Installation is in the reverse order of removal.

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PCS

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COMPONENT PARTS

< SYSTEM DESCRIPTION >

- BCM (view with combination meter re- 2. I moved)
- 4. Security indicator lamp
- 7. Inside key antenna (front console)
- 10. CVT shift selector (park position switch)
- Outside key antenna (rear bumper) (view with rear bumper cover removed)



14. Hood switch

- 5. Push-button ignition switch
- Inside key antenna (rear parcel shelf) 9. (view with rear parcel shelf trim removed)
- 11. Outside key antenna (drivers side)
- 3. Combination meter
- 6. NATS antenna amp.
 - . Stop lamp switch
- 12. Outside key antenna (passenger side)

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- 15. Remote keyless entry receiver (view with upper dash pad removed)
- 18. Rear door switch (LH)
- Front door switch (LH)
 Rear door switch (RH)
- 17. Front door switch (RH)
- 20. Transmission range switch

