

# Check List for Interview

ABS (DIAGNOSTICS)

## 2. Check List for Interview

### A: CHECK

Check the following items about the vehicle's state.

#### 1. STATE OF ABS WARNING LIGHT

ABS warning light comes on.	<input type="checkbox"/> Always <input type="checkbox"/> Sometimes <input type="checkbox"/> Only once <input type="checkbox"/> Not come on • When / how long does it come on?		
Ignition key position	<input type="checkbox"/> LOCK <input type="checkbox"/> ACC <input type="checkbox"/> ON (before starting engine) <input type="checkbox"/> START <input type="checkbox"/> ON (after Engine starting, engine is running) <input type="checkbox"/> ON (after Engine starting, engine is at a standstill)		
Timing	<input type="checkbox"/> Immediately after turning the ignition to ON <input type="checkbox"/> Immediately after turning the ignition to START		
	<input type="checkbox"/> When accelerating	—	km/h
		—	MPH
	<input type="checkbox"/> When driving at a constant speed	km/h	MPH
	<input type="checkbox"/> When decelerating	—	km/h
		—	MPH
	<input type="checkbox"/> When turning to the right	Steering angle:	deg
		Steering time:	Sec.
	<input type="checkbox"/> When turning to the left	Steering angle:	deg
		Steering time:	Sec.
<input type="checkbox"/> When operating other electrical parts • Parts name: • Operating condition:			

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## 2. STATE OF BRAKE WARNING LIGHT

Brake warning light comes on.	<input type="checkbox"/> Always <input type="checkbox"/> Sometimes <input type="checkbox"/> Only once <input type="checkbox"/> Not come on <input type="checkbox"/> When pulling the parking brake lever up. <input type="checkbox"/> When releasing the parking brake lever down. • When / how long does it come on?		
Ignition key position	<input type="checkbox"/> LOCK <input type="checkbox"/> ACC <input type="checkbox"/> ON (before starting engine) <input type="checkbox"/> START <input type="checkbox"/> ON (after Engine starting, engine is running) <input type="checkbox"/> ON (after Engine starting, engine is at a standstill)		
Timing	<input type="checkbox"/> Immediately after turning the ignition to ON <input type="checkbox"/> Immediately after turning the ignition to START		
	<input type="checkbox"/> When accelerating	—	km/h
		—	MPH
	<input type="checkbox"/> When driving at a constant speed	km/h	MPH
	<input type="checkbox"/> When decelerating	—	km/h
		—	MPH
	<input type="checkbox"/> When turning to the right	Steering angle:	deg
		Steering time:	Sec.
	<input type="checkbox"/> When turning to the left	Steering angle:	deg
		Steering time:	Sec.
	<input type="checkbox"/> When operating other electrical parts		
	• Parts name: • Operating condition:		

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## 3. SYMPTOMS

ABS operating condition	<input type="checkbox"/> Does not move.		
	<input type="checkbox"/> Operates only when applying an abrupt brake.	Vehicle speed:	km/h
	MPH		
	• How to step on brake pedal:		
	a) Operating time:		Sec.
	b) Operating noise: <input type="checkbox"/> Occurs. / <input type="checkbox"/> Does not occur.		
	• What kind of noise?	<input type="checkbox"/> Knocking <input type="checkbox"/> Gong gong <input type="checkbox"/> Bong <input type="checkbox"/> Buzz <input type="checkbox"/> Gong gong buzz <input type="checkbox"/> Others:	
	c) Reaction force of brake pedal		
	<input type="checkbox"/> Stick <input type="checkbox"/> Weak pedal resistance <input type="checkbox"/> Strong pedal resistance <input type="checkbox"/> Others:		
Behavior of vehicle	a) Directional stability cannot be obtained or the steering refuses to work when applying brakes: <input type="checkbox"/> Yes / <input type="checkbox"/> No		
	• When:	<input type="checkbox"/> When turning to the right <input type="checkbox"/> When turning to the left <input type="checkbox"/> When spinning <input type="checkbox"/> Others:	
	b) Directional stability cannot be obtained or the steering refuses to work when accelerating: <input type="checkbox"/> Yes / <input type="checkbox"/> No		
	• When:	<input type="checkbox"/> When turning to the right <input type="checkbox"/> When turning to the left <input type="checkbox"/> When spinning <input type="checkbox"/> Others:	
	c) Poor brake performance: <input type="checkbox"/> Yes / <input type="checkbox"/> No		
	• What kind:	<input type="checkbox"/> Long braking/stopping distance <input type="checkbox"/> Brakes lock or drag <input type="checkbox"/> Long pedal stroke <input type="checkbox"/> Pedal sticks. <input type="checkbox"/> Others:	
	d) Poor acceleration: <input type="checkbox"/> Yes / <input type="checkbox"/> No		
	• What kind:	<input type="checkbox"/> Not accelerate <input type="checkbox"/> Engine stalls. <input type="checkbox"/> Others:	
	e) Occurrence of vibration: <input type="checkbox"/> Yes / <input type="checkbox"/> No		
	• Where		
	• What kind:		
	f) Occurrence of noise: <input type="checkbox"/> Yes / <input type="checkbox"/> No		
	• Where		
• What kind:			
g) Other troubles occurred: <input type="checkbox"/> Yes / <input type="checkbox"/> No			
• What kind:			

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## 4. CONDITIONS UNDER WHICH TROUBLE OCCURS

Environment	a) Weather	<input type="checkbox"/> Fine <input type="checkbox"/> Cloudy <input type="checkbox"/> Rainy <input type="checkbox"/> Snowy <input type="checkbox"/> Others:	
	b) Ambient temperature	°C (°F)	
	c) Road	<input type="checkbox"/> Inner city <input type="checkbox"/> Suburbs <input type="checkbox"/> Highway <input type="checkbox"/> Local street <input type="checkbox"/> Uphill <input type="checkbox"/> Downhill <input type="checkbox"/> Paved road <input type="checkbox"/> Gravel road <input type="checkbox"/> Muddy road <input type="checkbox"/> Sandy place <input type="checkbox"/> Others:	
	d) Road surface	<input type="checkbox"/> Dried <input type="checkbox"/> Wet <input type="checkbox"/> Covered with fresh snow <input type="checkbox"/> Covered with hardened snow <input type="checkbox"/> Frozen slope <input type="checkbox"/> Others:	
Condition	a) Brakes	Deceleration: <span style="float: right;">G</span>	
		<input type="checkbox"/> Intermittent / <input type="checkbox"/> Temporary	
	b) Accelerator	Acceleration: <span style="float: right;">G</span>	
		<input type="checkbox"/> Intermittent / <input type="checkbox"/> Temporary	
	c) Vehicle speed	km/h	MPH
		<input type="checkbox"/> Advancing <input type="checkbox"/> When accelerating <input type="checkbox"/> When decelerating <input type="checkbox"/> At low speed <input type="checkbox"/> When turning <input type="checkbox"/> Others:	
	d) Tire inflation pressure	Front RH tire:	kPa
		Front LH tire:	kPa
		Rear RH tire:	kPa
		Rear LH tire:	kPa
	e) Degree of wear	Front RH tire:	
		Front LH tire:	
		Rear RH tire:	
		Rear LH tire:	
f) Genuine parts are used.:	<input type="checkbox"/> Yes / <input type="checkbox"/> No		
g) Tire chain is attached.:	<input type="checkbox"/> Yes / <input type="checkbox"/> No		
h) T-type tire is used.:	<input type="checkbox"/> Yes / <input type="checkbox"/> No		
i) Condition of suspension alignment:			
j) Loading state:			
k) Repair parts are used.:	<input type="checkbox"/> Yes / <input type="checkbox"/> No		
• Contents:			
l) Others:			