SECTION 9A GENERAL BODY

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SPECIFICATION

Application			Specification		
Hood	Туре		Rear Hinge and Type of Front Opening, Gas Lifter		
Front Door	Structure		Front Hinge and Frame Door		
	Type of Regulator		Wire and Drum		
	Lock System		Pin and Fork		
Rear Door	Structure		Front Hinge and Frame Door		
	Type of Regulator		Wire and Drum		
	Lock System		Pin and Fork		
Tail Gate	Туре		Internal Hinge, Gas Lifter		
Thickness of	Wind Shield		5 mm		
Glass	Front Door Glass		4.0 mm		
	Rear Door Glass		4.0 mm		
	Rear Fix Glass		4.0 mm		
	Glass of Tail Gate	Fixing Type	4.0 mm		
		Opening Type	5.0 mm		
Specification	Type of Nozzle		Spray Nozzle of #1/2 GG-25 or Nozzle with Sloping		
of Test Water			Angle 60° Equivalent		
Leaking			Keep Distance 1,600 mm from Ground		
			14L Per Mir		
	Pressure		155kPa(22.5 psi): Checking Pressure from nozzle		
	Position of a Piller Test Stand and		Keep Injecting Water, 30° of Lower Direction and 45°		
	Wing Shield		of Backwards, Approximately at the corner of Wind-		
			shield		
	Position of "B" Piller Test Stand		Keep Injecting Water, 30° of Lower Direction and 45°		
			of Backwards, Approximately at the corner Line of		
			Rear Door.		
	Position of Rear Dec	klid Test and Tail	Keep Injecting Water, 30° of Lower Direction and 45°		
	Gate Glass		of Forwards, Approximately at Distance of 60mm to		
			the Corner of Rear Door		

DIGNOSIS AND ACTION TAKEN

	Cause	Action Taken		
Wind noise	1) Not installed weather strip tightly	Adjust weather strip		
around door	2) Misinstalled of weather strip	Adjust and replace weather strip		
	3) Not closed door accurately	Adjust		
	4) Misinstalled or door	Adjust		
	Not keep constant clearance between door glass and moulding	Adjust		
	6) Deformed of door	Repair or replace		
Leaking water	1) Abnormal material build up on drain	1) Remove abnormal material from drain hose or pipe		
from sun roof	hose and pipe	2) Abnormal material is removed from drain hose or		
	2) Drain hose or pipe is clogged up	pipe by compressor		
	 Misinstalled of drain hose or pipe, deformed or broken clip 	3) Check the state of installing and connecting section in the drain hose or pipe		
	4) Deformed weather strip of roof-lid	4) Replace		
	 Not keep clearance constant between roof-lid and body or mis Installed weather strip 	5) Adjust		
Wind noise	1) Loose or deformed deflector	1) Retighten or replace		
around sun	•			
roof Failure of door	1) Misinstall of wind glass	1) Adjust the position		
glass	Pailure of motor			
gladd		2) Replace		
Not closed	Failure of power window switch Misiratallad of days	3) Replace		
door or not	Misinstalled of door Missparated of door look	1) Adjust position		
opened	Misoperated of door lock Deformed of door checker	2) Replace		
completely.		3) Repair or replace		
Not closed	4) Lack of grease at door hinge1) Not fitted the position between	4) Grease 1) Adjust		
hood or not	striker and latch	i) Adjust		
opened	2) Misinstalled of hood	2) Adjust		
completely. 3) Inproper height of hood bumper		3) Adjust		
Leak from	Lack of sealing	Spread sealant		
windshield or rear window	Damaged flange	Repair		

DIAGNOSIS FOR LEAKING WATER

It is required for technician to inspect and diagnose accurately problems of leaking water.

Problem of leaking water is repaired by adjusting of misaligned parts by using proper equipment, first of all check condition of leaking water.

For example, condition caused leaking water to occur should be checked if vehicle is parked on the sloping road or spare tire in the trunk.

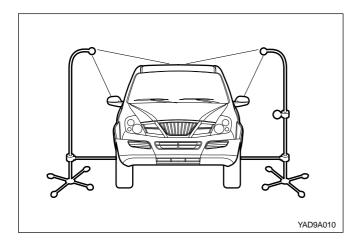
Next step of checking leaking section of water is following as belows. If general leaking section of water is detected, check accurate leaking section of water, by using water hose or air hose. If general leaking section of water is not detected, check leaking section of water, by using the stand of tester of leaking water. It is required for technician to check accurate leaking section of water such as, removal of internal trim panel or component parts.

Notice: Technician should detect cause of leaking water before leaking section of water is repaired.

It is difficult for technician to do temporary solution of leaking water, but also this one will cause more difficult situation to solve problem of leaking water.

To ensure detecting leaking section of water, keep test for leaking section of water.

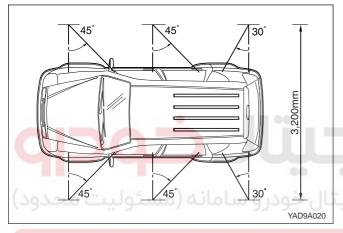
CHECK AND REPAIR



CHECK

General Checking Leaking Water

- 1. Install checking equipment
- 2. Check leaking water.
- 3. If water pressure is getting below regulated water pressure, to inject water overlapping, technician keeps vehicle close to stand of each side.



Check Local Section of Leaking Water

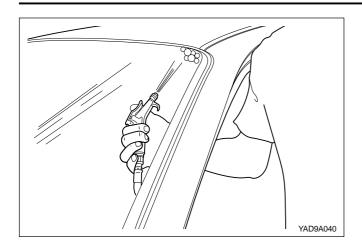
- 1. Test local section of leaking water by using water hose or air hose
- First of all, test dubious section of leaking water by injecting water or air, until technician detect section of leaking water, point of checking is moving from the low of vehicle to the upper of vehicle.



Check the Water Hose

- In order to detect section of leaking water, another technician, is moving into the internal of vehicle.
- 2. Use water hose not having a nozzle.
- First of all, test dubious section of leaking water by injecting water or air,until technician detect section of leaking water, point of checking is moving from the low of vehicle to the upper of vehicle.

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Check Air Hose

- 1. Soap bubbles is fed on the dubious section of leaking water.
- 2. Inject air from the internal of the vehicle, not to keep compressing air, over 205 kPa (29.7 psi).
- 3. Check whether bubble of soap is occurred on the dubious section of leaking water, or not and then make sure section of leaking water.

Dignosis of Wind Noise

Notice: If technician diagnose the vehicle wind noise, another technician is driving the diagnosed vehicle for the prevention of vehicle unsafe.

It is necessary for technician to drive vehicle in order to analyse position of wind noise, accurately, wind noise is occurred by first leaking and second, if all the leaking section is not repaired, wind noise will be reduced little bit, but wind noise will not be reduced completely

For technician to diagnose position of wind nose with driving test, following description should be provided

- vacuum hose
- vinyl tape
- scrip cork
- pencil indicating
- screw driver

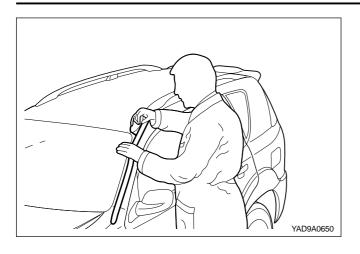
Driving test should be observed as followings.

- 1. Select straight and even road which is available to East, West, South, and North.
- 2. Select road not preventing test which has no noise or traffic obstacle.
- 3. Drive the vehicle when wind noise is occurred Keep in mind within specified vehicle speed.
- 4. If following condition happen, each one is defined, as external wind noise.
 - wind noise is occurred by wind
 - wind noise happen on the lower side of door glass under vehicle is driving
 - wind noise is removed by taping of moulding



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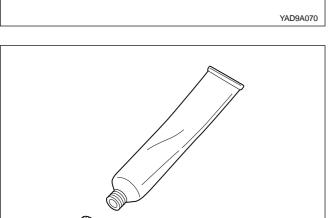
- 5. Internal wind noise is repaired following description
 - Leaking section is detected by using stethoscope or vacuum hose is repaired by using vinyl tape temporarily.
 - Keep driving test to check whether wind noise is removed or not if leaking section is checked.
 - Wind noise will be completely repaired by proper equipment, tool of sealing.



Body

Periodically hood and locking system should be fed for operating smoothly, specially feeding oil to the section of closing and opening is depending on operation smooth and prevention of noise.





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Bolt and Nut

Notice: Contacting surface to the non-characteristic of each metal cause each metal to corrode so, for prevention of early corrosion, use specified bolt and nut

Alloy of aluminium is using currently most vehicle

Contacting between steel and aluminium cause to corrode if those are ,not hardening.

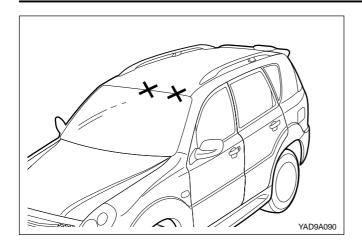
Special bolt and nut are using for prevention of corrosion in the vehicle.

If bolt and nut are replaced, same specification of bolt and nut should be, used or similar material of bolt and nut

The Prevention of Corrosion

In order not to corrode body, surface of internal panels of metal is added, material of anti-corrosion. If those panel are replaced, spread material of anti-corrosion on the panels with proper quantity

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REPAIR

Repair Leaking Water

Leaking water on the section of glass can be repaired without removal of glass.

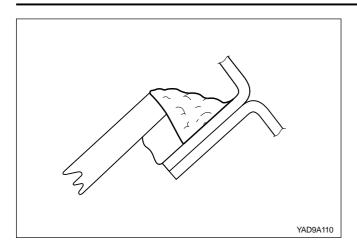
Notice: Method to repair of following description is applied on the equipped glass of urethane sealing.

- Remove leaking moulding and section of trim, to detect position of leaking water it is necessary for technician to remove trim and garnish moulding
- 2. During injecting water on the leaking section, to detect quantity of leaking water, carefully push the glass external area.
- 3. Mark accurate position of leaking water.
- 4. Wash section of leaking water and dry up air hose.



- 5. Remove ununiform section of cohesive material on the distance of 75 100 mm to leaking section
- 6. Spread prima on the uniform section leaking

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- 7. Wait approximately 5 minutes, until drying up prima.
- 8. Spread cohisive material on the distance of 75 100 mm to leaking section.
- After spreading cohisive material, using the flat stick and similar equipment, keep body and cohisive material uniform in order not to leak water.
- 10. To make sure to finish repairing leaking water, inject warm water or, hot water on the section of leaking water.
- 11. Install parts removed to repair leaking section.

Notice: After repairing section of leaking water completely, using stand for leaking. test, check the section of leaking water again, if abnormal pressure is checked, repaired cohesive material may get out of position itself. So leaking water test should not check on local section of leaking.



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Method to Repair Wind Noise

Method to repair wind noise is similar to method to repair leaking water.

Wind noise of around door opening weather strip is not proper installed.

Weather but depends on adjusting door and window.

Method to Repair Body Noise

Due to not properly installed parts of body, body noise is occurred, in order not to make a noise, proceed the following description.

- Install completely relative moving parts under vehicle's moving.
- Repair clearance of moving parts under vehicle's moving.
- In order not to cause body noise about moving parts, separate, moving parts, treat soundproof.
- Uniform surface of friction can prevent harding state.

SPECIAL TOOLS AND EQUIPMENT

SPECIAL TOOLS TABLE

YAD9A120	09793-21000 Adjusting Wrench of Door Wrench		YAD9A130	09800-21000 Ornament Remover
YAD9A140	09853-31000 Remover of HeadIning Clip		YAD9A150	09861-31100 Cutting Tool of Sealant
YAD9A160	09861-31200 Cuttibg Knife of Sealant	ىاما	YAD9A170	09861-31300 Sealant Gun
YAD9A180	09861-31400 Glass Holder		YAD9A190	09861-31000 Remover of Wind Shield Molding