

“Only for You” Maintenance Manual

Foreword

This Manual is prepared for the technical personnel authorized for the maintenance of “Only for You” car to assist them in achieving the effective and proper maintenance.

In order to ensure the satisfaction of users, the special technical personnel for “Only for You” car are required to provide warm service and proper maintenance. For this purpose, it is very important for the maintenance personnel to fully understand this Manual. Also, this Manual should be put in such a place convenient for reading and reference at any time.

All the content in this Manual, including figures and technical parameters, are latest by the issue date. However, when the maintenance is affected due to the improvement of products, JAC will issue a technical bulletin or provide supplementary volumes. So, it is important to pay attention to and collect the updated information concerned.

Catalog

Item	Group No.
General Items	GI
Engine Maintenance	MA
Engine Overview	EM
Engine Mechanical System	EM
Engine Electrical System	EE
Engine Control System	EMS
Gearbox	MT
Clutch	CL
Front Suspension	FSU
Rear Suspension	RSU
Brake System	BR
Anti-lock Brake System	ABS
Power Steering System	PS
Inner & Outer Trimmings	EI
Central Controller	BCM
Door Lock Control System	BL
Lighting and Illumination	LT
Reversing Radar	BCR
Safety Restraint System	SRS

Information of Vehicle Nameplate

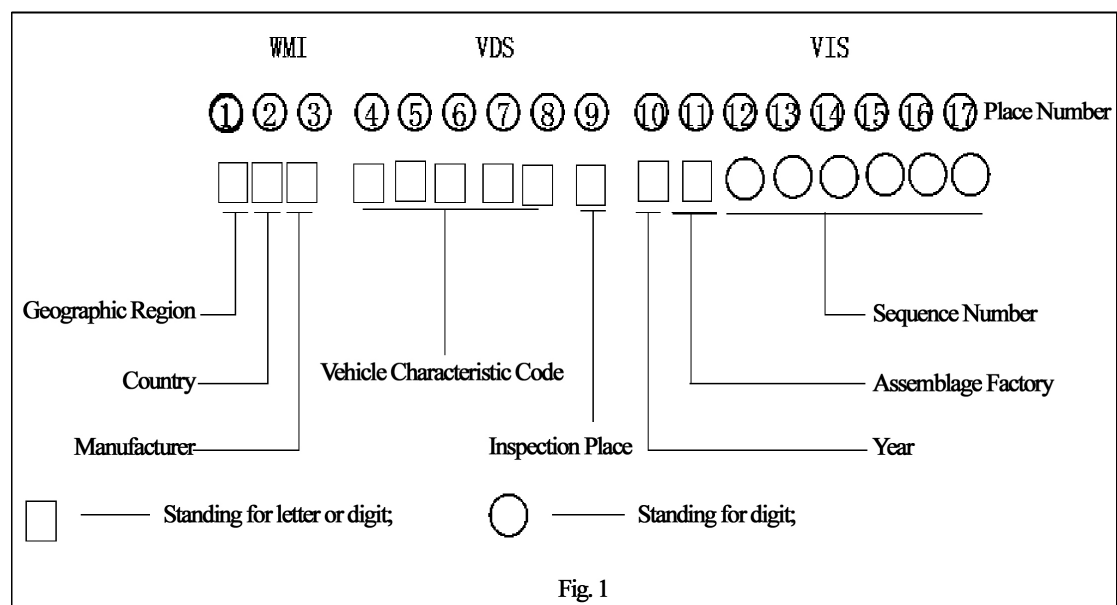
The Vehicle Identification Number (VIN) is located at the right shroud of engine hatch.



Vehicle Identification Number

Just as shown in the following figure, the Vehicle Identification Number (VIN) is composed of three sections, totaling 17 character places without anyone empty as stated in GB16735 Standard.

Of which, the first section is the world manufacturer identifier (WMI), the second is the vehicle description section (VDS), and the last is the vehicle indication section.



and big vacuum degree.

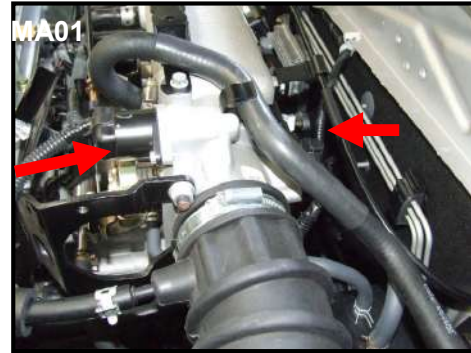
First, the air not filtered by air filter may get in.

Second, the air leakage may reduce the air flow through the air flowmeter, which leads to the error of air flowmeter.

Third, the reduced vacuum degree may lead to the metering error of intake pressure sensor.

IX. Maintenance Flow and Operation Specifications of Air Throttle Body

1. Clean the air throttle body by the compressed air.
2. Dismount the stayguy of air throttle.
3. Dismount the position sensor and the adaptor of idle speed motor of air throttle.



4. Dismount the intake hose between air filter and air throttle body.
5. Dismount the air throttle body, and plug the unraveled intake duct by the clean towel so as to prevent foreign bodies from falling into the intake duct.



6. Wipe up the exterior of air throttle body by the clean towel.
7. Rinse pipelines outside air throttle body by the cleaning agent of carburetor, and blow them by the compressed air.
Rinse the carbon deposition inside valve body by the cleaning agent of carburetor, and wipe up the valve body by the cleaning paper towel.
8. Rinse the air throttle by the cleaning agent of carburetor, and then check whether the air throttle can be closed tightly. Clean the air throttle unit by the special cleaning agent and a brush. Make sure that sediments on surface marked in the figure are all removed. Carefully wipe up the air conduit on both sides of air throttle disc. Wipe up edges of air throttle disc. Rinse and check edges of air throttle to make sure that they are on both sides of air throttle.
Rinse the air throttle unit by the cleaning agent. Check whether there are residual sediments on the air conduit or the air throttle disc. The residual sediments may lead to the accumulation of new sediments. Clean the air throttle again, if necessary.

Diagnosis of Accessory Driver Belt

Problem	Possible Cause	Measures
Belt ridge thickens (one or more ridges separated from belt)	1 Foreign matters are inserted into the belt pulley groove. 2 Belt is damaged in installation.	1 Remove foreign matters from the groove of belt pulley and replace belt 2 Replace belt
Abrasion of ridge or belt	1 Belt pulley is not aligned right. 2 Abrasion is caused by environment. 3 Pulley rusts. 4 There is a sharp angle or protrusion on the top of belt pulley groove. 5 Belt rubber ages.	1 Align belt pulley right 2 Clean belt pulley and replace belt as required 3 Belt pulley rusts 4 Replace belt pulley and check belt 5 Replace belt
Slipping of belt	1 Belt slips due to the lack of belt tension. 2 Belt or pulley is exposed in the materials that can decrease the friction (like belt oil, engine oil, and ethylene glycol). 3 The bearing of driven parts is damaged (resulting in the belt being blocked). 4 Belt is worn out and hardened after heated and due to too much slipping.	1 Check and replace tension device as required 2 Replace belt and clean belt pulley 3 Replace damaged component or bearing 4 Replace belt
Longitudinal crack on belt	1 Belt is wrongly guided into the pulley groove. 2 The top edge of pulley groove is worn out of rubber and the core of draw rope is exposed.	1 Replace belt 2 Replace belt
“Jumping” (the belt cannot keep at the correct position on belt pulley)	1 Belt tension is not correct. 2 Belt pulley is not within the design tolerance. 3 There is foreign matter in the belt pulley groove. 4 Pulley is not right aligned. 5 The core rope of belt breaks.	1 Check/replace tension device as required 2 Replace belt pulley 3 Remove foreign matters from groove 4 Align components 5 Replace belt
Breakdown of belt breaks (note: Install a	1 Belt tension is not correct. 2 The core of draw rope is damaged in belt installation.	1. Replace or check/replace tension device as required 2. Replace belt

Check

Check for Steering Device

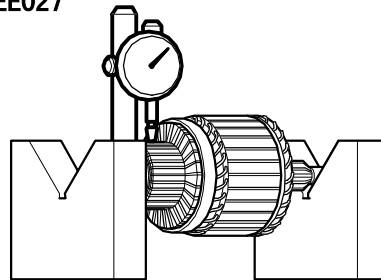
1. Put the armature on a V-shape seat pad, and check the radial jump with calibration meter.

Radial Jump of Armature

Standard Value: 0.05 mm

Limit Value: 0.1 mm

EE027

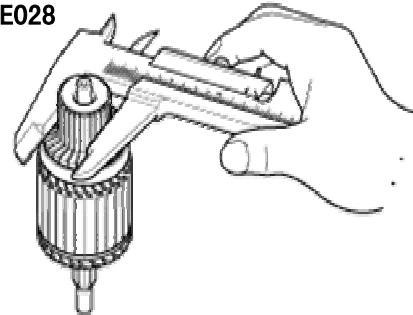


2. Check the outer diameter of steering device.

Standard Value: 29.4mm

Limit Value: 28.4mm

EE028

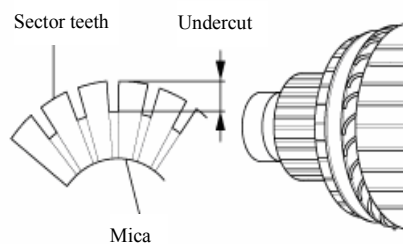


3. Check the undercut depth of sector teeth.

Standard Value: 0.5mm

Limit Value: 0.2mm

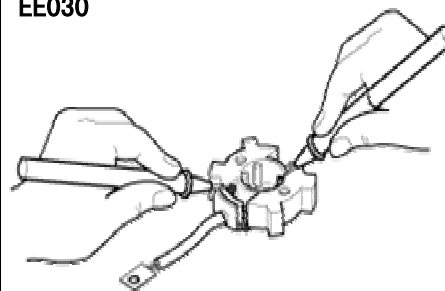
EE029



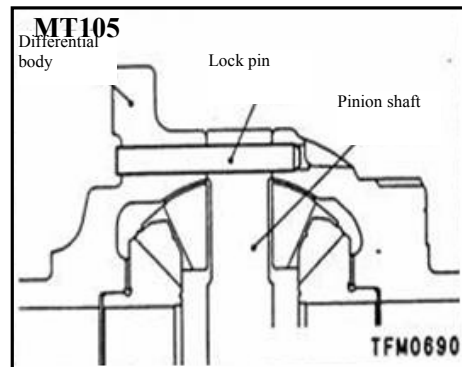
Brush Seat

Check the continuity between the brush seat plate and brush seat. Normally it is not continuous.

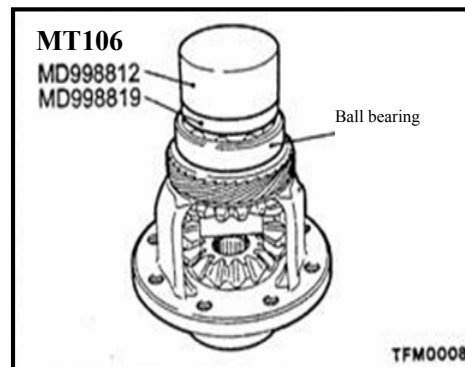
EE030



2. Mount the lockdown pin at the position shown in the figure.

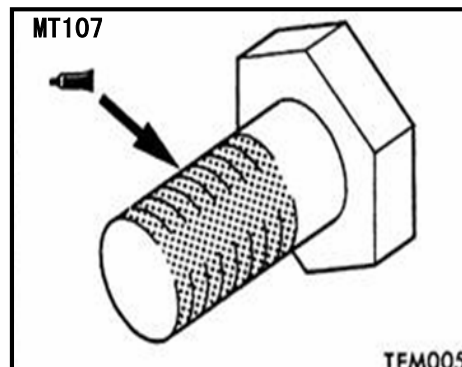


3. Mount the ball bearing.
Mount it with special tool shown in the figure.

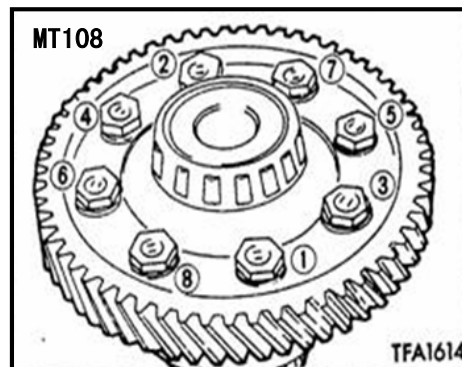


4. Mount the main decelerating driven gear.
① Coat the sealant on whole screw part of the bolt.

Specified sealant: LT243



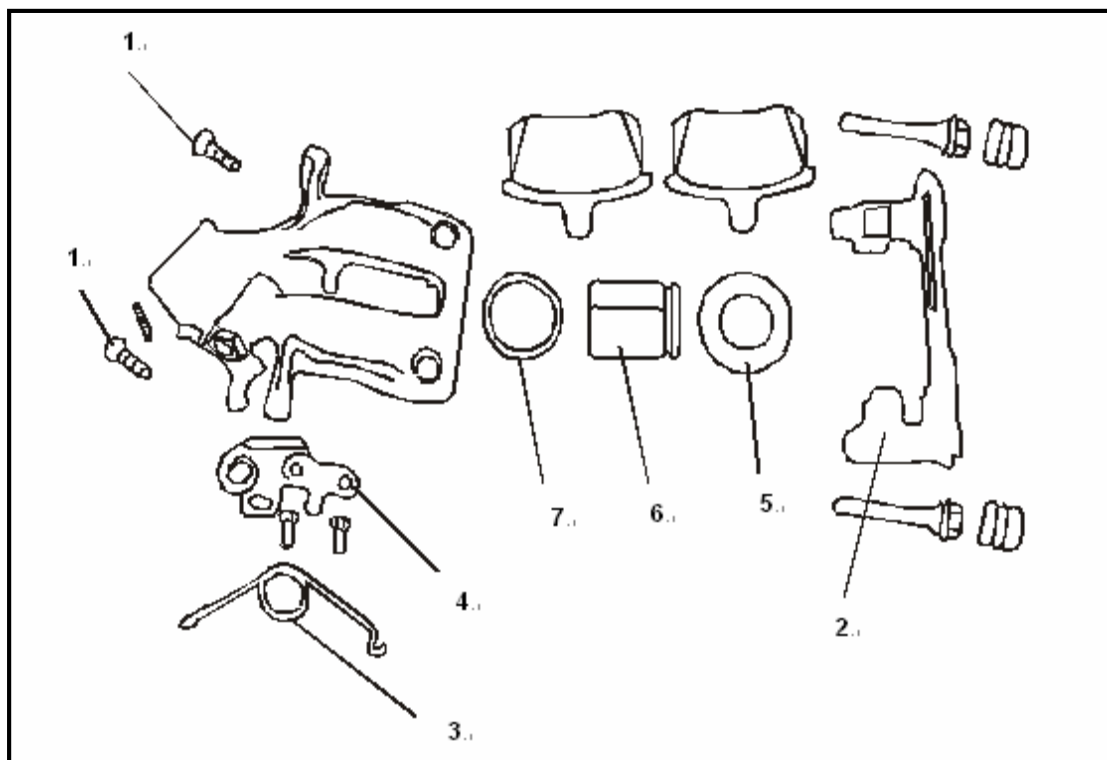
- ② Screw down to the specified moment in the order shown in the figure.



Disassembly and Assembly for Components of Rear Brake

Tongs

Disassembly and Reassembly



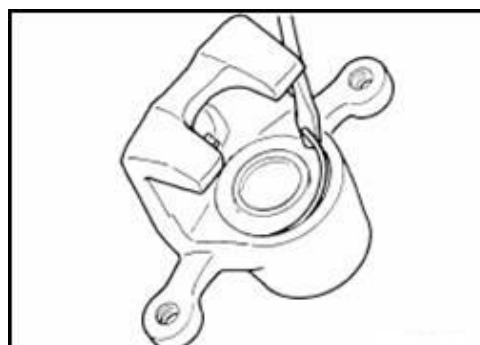
- | | |
|--------------------------------------|--|
| 1. Screw for guide pin | 2. Brake tongs support |
| 3. Return spring for parking braking | 4. Support for parking braking pull wire |
| 5. Dustproof ring | 6. Piston |
| 7. Oil seal for piston | |

Attention:

When disassembling or assembling the components of trunk, do not dismantle the supporting torsional arm, the brake disk, the gasket, the inner gasket cover and the brake disk holder.

Disassembly Steps:

1. Dismount the sliding pin, and then take off the trunk from the supporting torsional arm.
2. Dismount the bolt for sliding pin from the supporting torsional arm
3. As is shown in the picture, use a flat-head



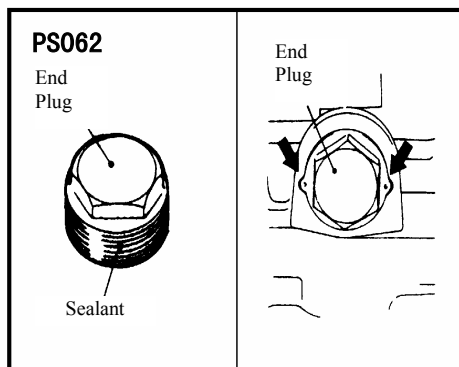
10. Mount the end plug.

- ① Smear specified sealant on the threaded portion of end plug.

Specified Sealant:

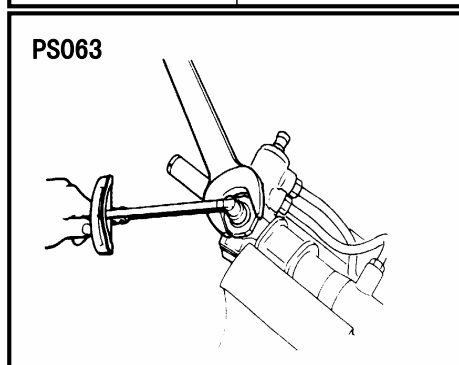
3MATD product No. 8661 or equivalent variety

- ② Fix the threaded portion of end plug on 2 positions with plunger trip.



11. Adjust the total torque of pinion.

- ① Set the rack on the neutral position. Screw down the bearing cover for rack to 15Nm.
- ② Revolve the pinion shaft clockwise at the speed of 4~6 seconds/circle with tool on the neutral position and reverse the bearing cover of rack for 30~60° to adjust the torque to be the standard value.



- ③ Revolve the pinion at the speed of 4~6 seconds/circle with tool to check the total torque of it.

Standard Value: 0.7 — 1.4Nm

[Torque variety: 0.4Nm]

Attention:

- ① Set the standard value to its maximum during the adjustment course.
- ② When operating the rack along the shaft, please make sure it is not gnawed or jammed.

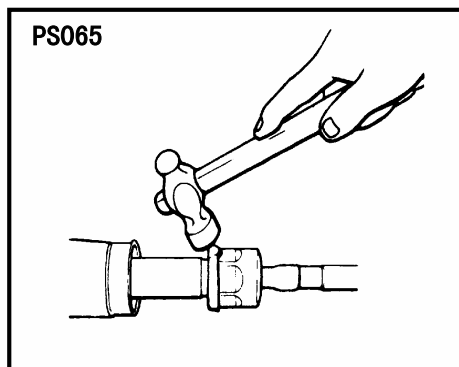
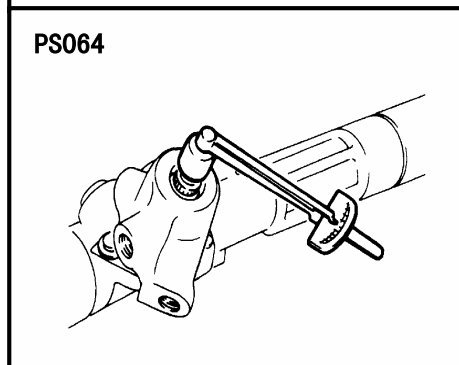
Note:

When it could not be adjusted within the specified steering angle, the bearing cover parts of rack shall be checked or replaced.

- ④ After adjusting it well, fix the bearing cover for rack with locknut.

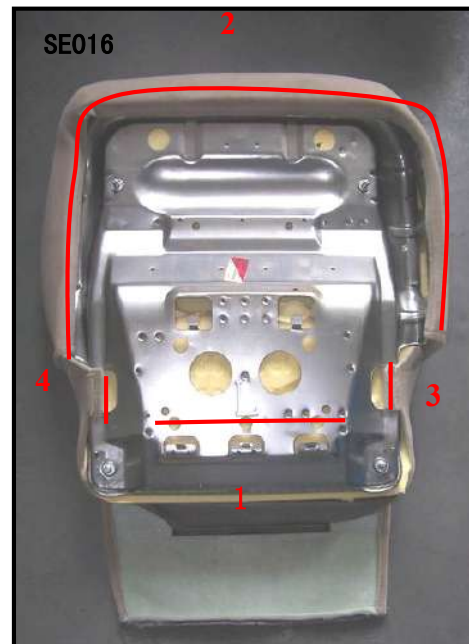
12. Mount the vane washer/steering tie rod

After mounting the steering tie rod on the rack, fold the end of vane washer into the slot (2 places) of steering tie rod.



(C) Dismantlement of Seat Cover

1. Dismantle the snapin of seat cushion.
The line in the picture indicates the fixed points of snapin.



3. Glove-box lamp fails to work

Steps	Measures	Yes	No
1	Check whether the fuse has been burnt out?	To step3	To step2
2	Check whether the filament of glove-box lamp bulb has been burnt out. Is anything burning out?	To step4	To step5
3	Replace the fuse.		Check the interior lighting system
4	Replace the bulb.		Check the interior lighting system
5	Repair the loose contact circuit.		Check the interior lighting system

Boot light fails to work

Steps	Measures	Yes	No
1	Check whether the filament of boot light bulb has been burnt out. Is anything burning out?	To step 4	To step 2
2	Check whether the fuse has been burnt out?	To step 5	To step 3
3	Connect the testing light with the two terminals of boot light switch. Is the test light dark or not?	To step 6	To step 7
4	Replace the bulb.		Check the interior lighting system
5	Replace the fuse.		Check the interior lighting system
6	Replace the boot light switch.		Check the interior lighting system
7	Repair the loose contact circuit.		Check the interior lighting system

Hi-Fi Control System

Composition of Audio System:

DVD Mainframe and Remote Controller



DVD Disc Tray and U-Type Special Tool



Treble Loudspeaker and Bass Loudspeaker



Antenna Amplifier

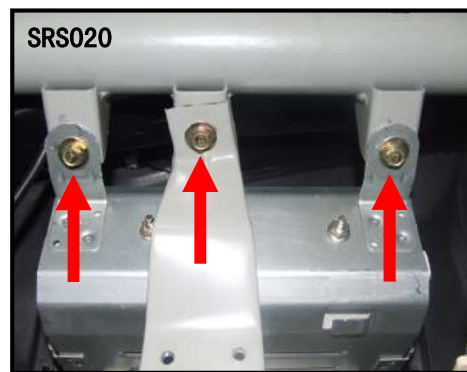


Passenger's Side Airbag Assembly Dismantlement Steps:

1. Disconnect the negative terminal of the storage battery for three minutes.



2. Dismantle console assembly (refer to the dismantlement of inner and outer console for its dismantlement steps).



3. Carry out the apparatus, and dismount the fixed bolts in the airbag module subassembly.




4. Disconnect the wire harness joint, and take out the airbag module subassembly.

Installation:

Install in the reverse order to the dismantlement.

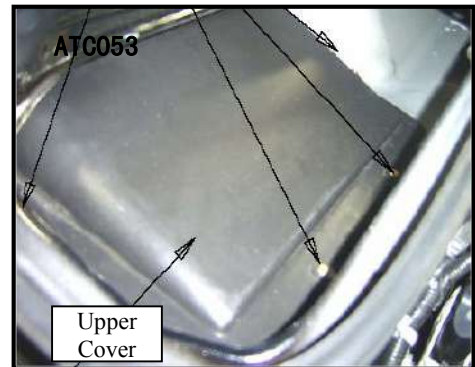
Fasten the airbag module subassembly.

 **Fastening torque: $9 \pm 2\text{N.m}$**

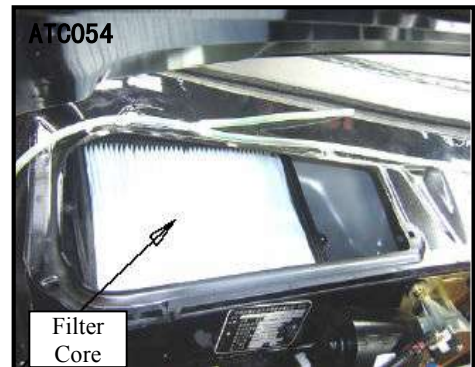
Filter

Dismantlement Steps:

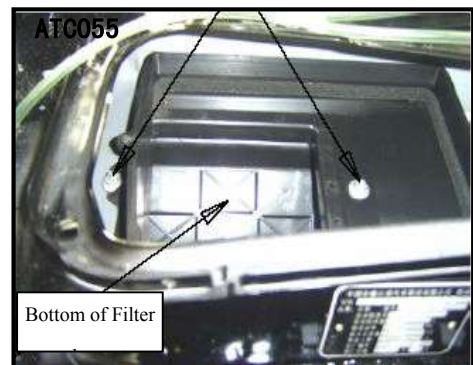
1. Open the engine hatch.
2. Dismantle the (right) wiper and the wiper trimming plate in front of the passenger seat. As to the dismantlement steps, see the part of wiper system.
3. Dismantle the upper cover of the filter.



4. Take out the filter core.



5. Dismantle the fixed bolt of the powder filter base.



Tightening Torque: 9±2N·m

Reassembly:

Reassemble it according to the reverse order of dismantlement.

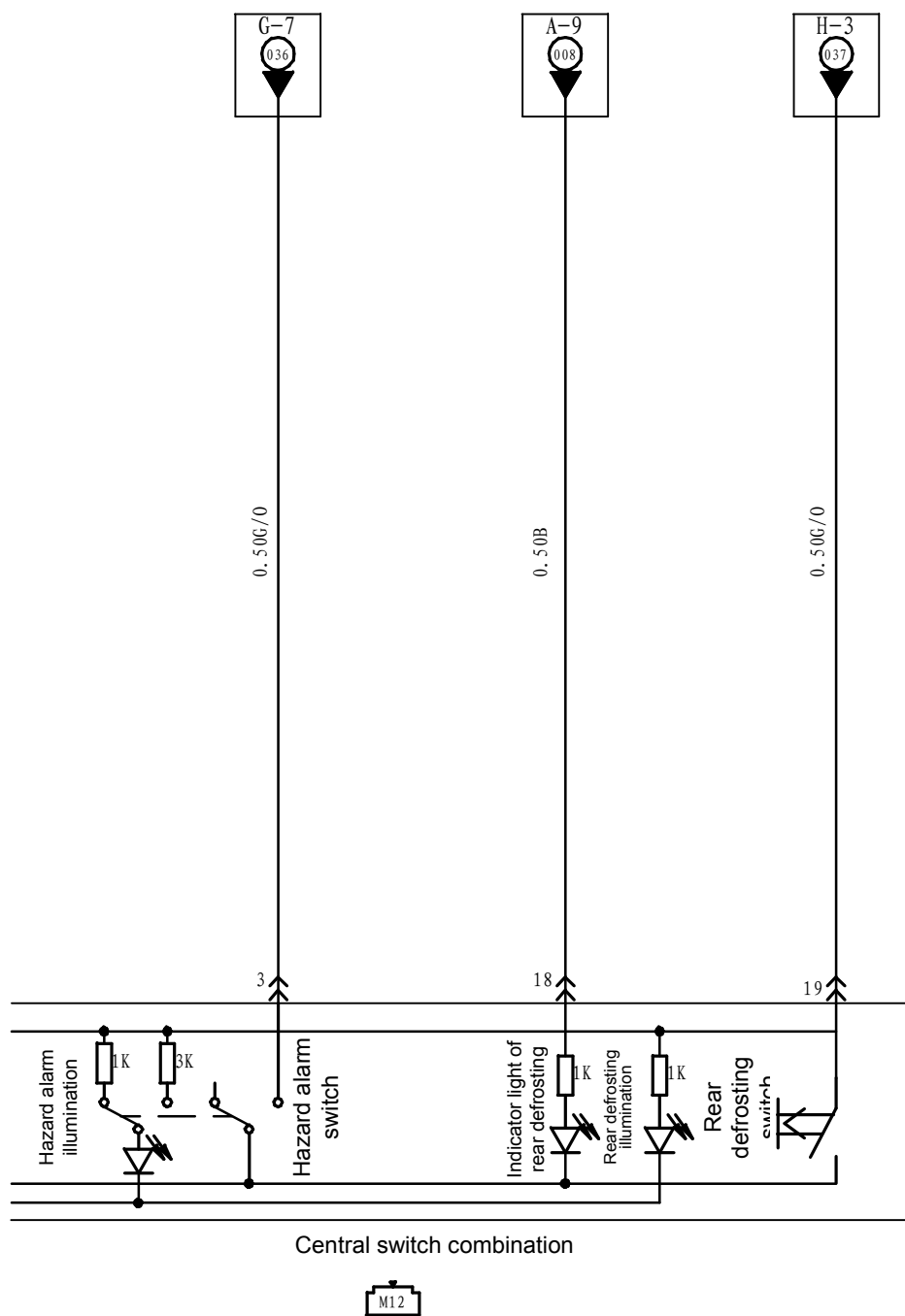
Bolt of Filter Base




Tightening Torque: 9±2N·m

Illumination – Front Fog Lamp and Central Switch Group

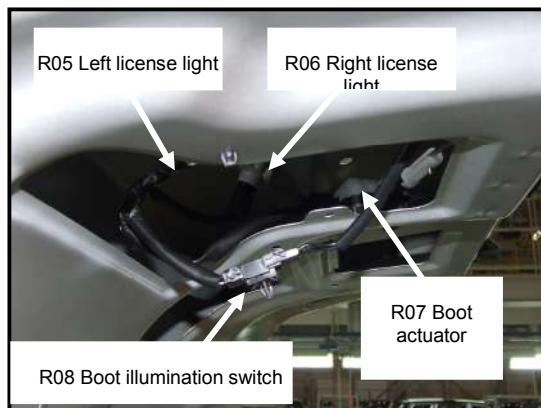
G-6



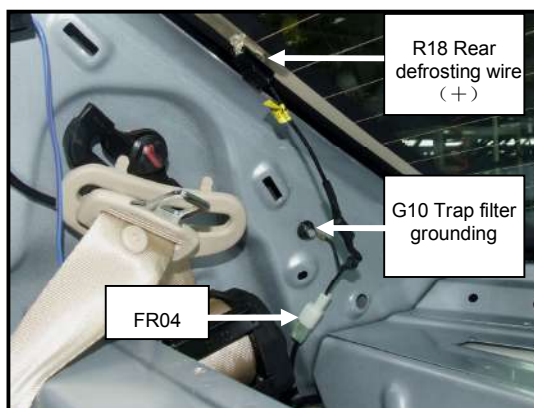
M12 Central switch group

9	8	7	6	5				4	3	2	1
20	19	18	17	16	15	14	13	12	11	10	

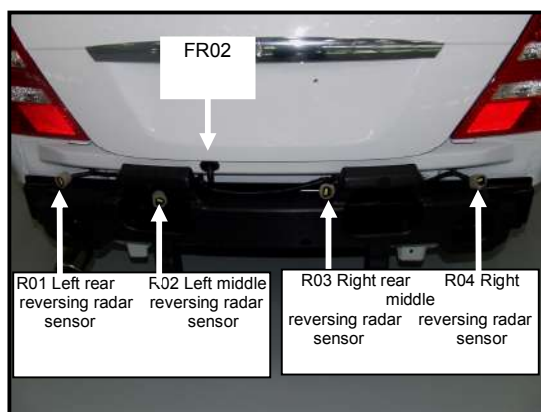
Tail door wire harness & sensor wire harness



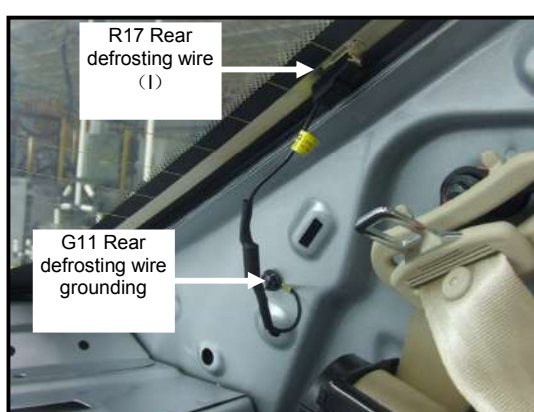
R05 R06 R07 R08



R18



R01 R02 R03 R04



R17