

GENERAL INFORMATION

SECTION GI

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1. Preparation Operation Explanation

This manual describes important items for installation, removal, assembly, disassembly, inspection and pair.

CAUTION:

A general description of a visual inspection and cleaning of disassembled parts has generally been omitted. However, when the parts will be used again, make sure to perform visual inspection and cleaning as necessary.

2.Configuration Components, Operation Contents and Procedures

The configuration components and operation contents and procedures are shown after the title of the operation. The preparation standards and important operation points such as parts which cannot be used again, tightening torque and lubrication locations are also indicated.

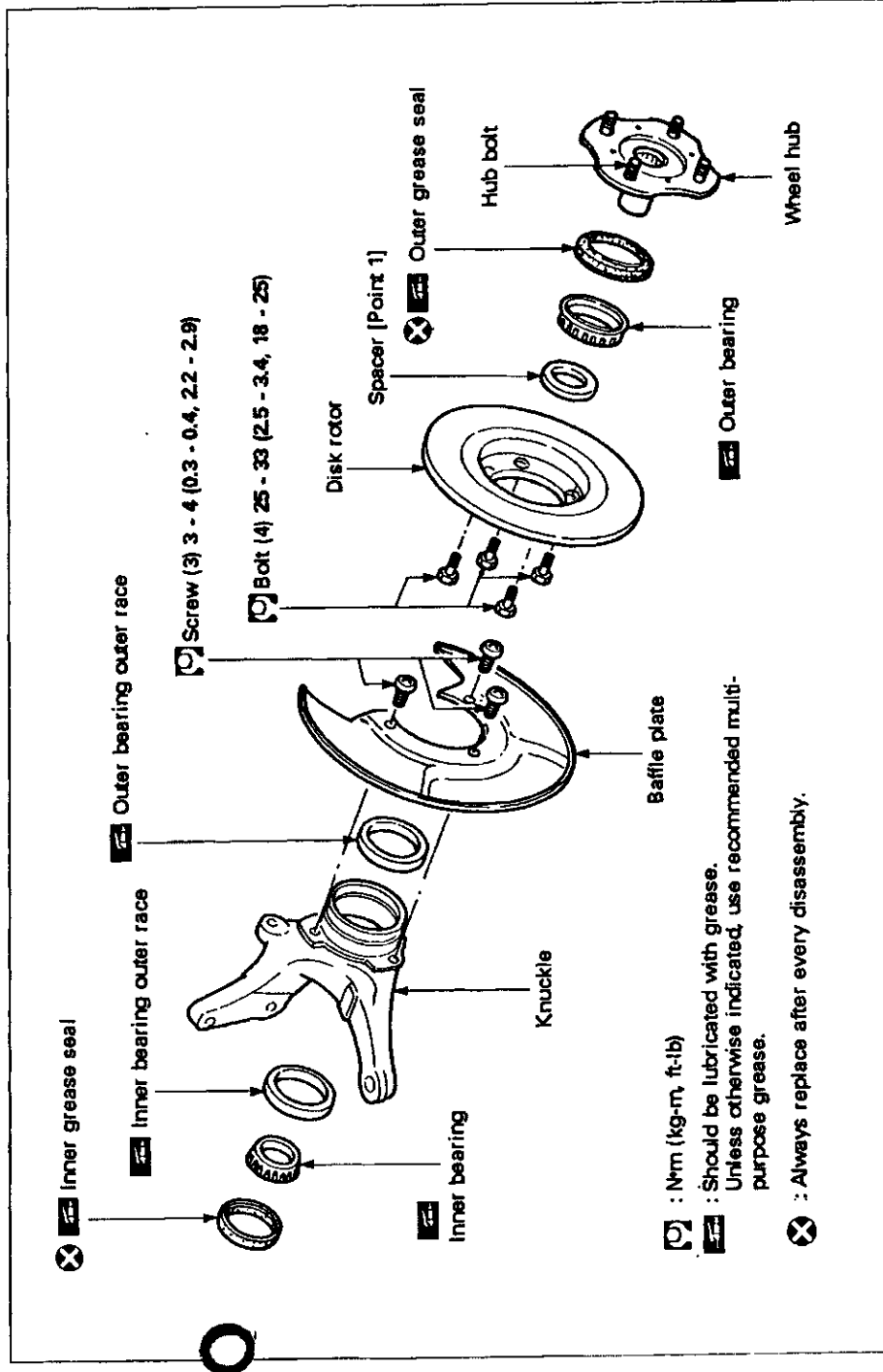
2-1 CONFIGURATION COMPONENTS AND OPERATION CONTENTS

The necessary operations for installation, removal, assembly and disassembly are indicated by the part (part name).

This description is used if the only ideal procedure cannot be determined or there are many types of components.

[Point] is used to indicate operation procedures which are necessary.

Example: Front accelerator assembly and disassembly



A1 HOW TO USE THIS MANUAL

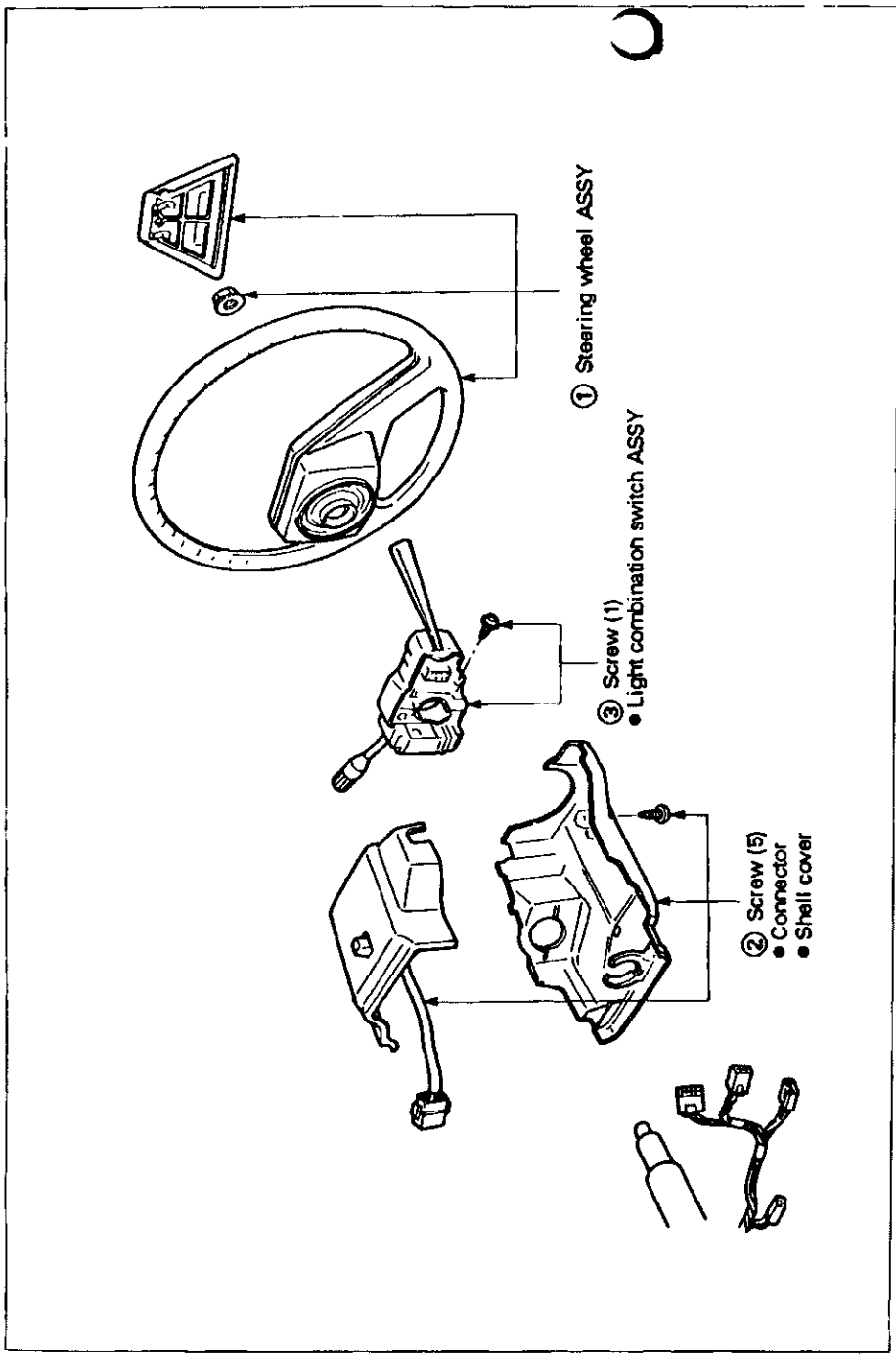
2.Configuration Components, Operation Contents and Procedures (Cont'd)

2-2 STRUCTURAL PARTS DIAGRAM AND OPERATIONAL SEQUENCE

The names of the parts required for removal and replacement and assembly and disassembly operations are shown. The operational sequence must be performed in the sequence of the indicated numbers.

Assembly is the reverse of disassembly except when otherwise indicated.

Example: Light combination switch ASSY installation and removal



2-3 OPERATION NAME SYMBOLS

(1) (Removal) (Installation) (Additional work required)

(Removal): Indicates an operation (preparation, inspection adjustment, etc.) that is only necessary for removal.

(Installation): Indicates an operation (preparation, inspection adjustment, etc.) that is only necessary for installation.

(Removal) (Installation): Indicates an operation (preparation, inspection adjustment, etc.) that is only necessary for both removal and installation.

(Additional work required): Indicates a supplementary operation (removal, installation, etc.) to be performed before the operation indicated in the section title.

(2) Tightening torque

Indicates an operation where the torque should be checked and the standard torque value that should be used.

When X to Y N·m (kg-m, ft-lb) is indicated, the standard tightening torque is the mean value.

(3) : Should be lubricated with grease. Indicates a type of grease.

(4) : Always replace after every disassembly.

(5) : Should be lubricated with oil.

(6) : Sealing point

(7) ★ : Select proper parts.

(8) : Indicates when the CONSULT electronic system diagnosis is used.

: Indicates when the CONSULT electronic system diagnosis is not used.

A1 HOW TO USE THIS MANUAL

2.Configuration Components, Operation Contents and Procedures (Cont'd)

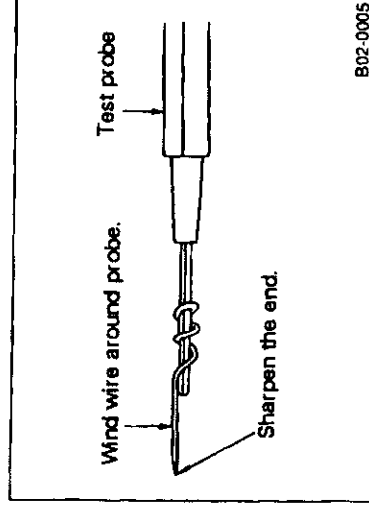
(9) [Point No.] ([Point 1], [Point 2], [Point 3])

These sections describe the techniques, special tools, and repair reference values required to perform operations properly .

A2 GENERAL PRECAUTIONS

1. Safety Precautions

- The RB26DETT engine exhaust valves contain metallic sodium. Be careful when using or discarding the valves. (Refer to section B3, 80, Cylinder Head Removal and Installation.)
- Do not operate the engine for an extended period of time without proper exhaust ventilation. Keep the work area well ventilated and free of any inflammable materials. Special care should be taken when handling any inflammable or poisonous materials, such as gasoline, refrigerant gas, etc. When working in a pit or other enclosed space, be sure to properly ventilate the area before working with hazardous materials.
- Do not smoke while working on any vehicle.
- Before jacking up the vehicle, use wheel chocks or tire blocks on the wheels to prevent the vehicle from moving. After jacking up the vehicle, support the vehicle weight with safety stands at the points designated for proper lifting and towing before working on the vehicle. These operations should be done on a level surface.
- When the automobile is lifted on a rigid rack, it should be supported in fixed locations.
- Before starting removal and installation of the electrical system or other repairs which do not require battery power, always turn off the ignition switch, then disconnect the ground cable from the battery to prevent accidental short circuits.
- Check the vehicle damage carefully, make a careful diagnosis of the damage and perform the correct operation systematically.
- Check the correct part assembly condition before removal or disassembly. Make alignment marks when necessary in locations which will not interfere with the part functions.
- Replace oil seals, gaskets, packings, O-rings, locking washers, cotter pins, self-locking nuts, etc. with new ones. These items are indicated, "Always replace after every disassembly." and must be replaced with a new part.
- Before servicing the vehicle, protect fenders, upholstery and carpeting with appropriate covers. Be careful so that keys, buckles or buttons on your person do not scratch the paint.
- Refer to the lubrication section and only use the lubricants which are described.
- When replacing parts always use genuine Nissan replacement parts.
- Verify the inspection circuit in a wiring figure before performing any inspection with a circuit tester.
- An inspection may be difficult with a normal test probe when a connector pin is extremely small. If this occurs, wind a small pin or wire around the test probe, or sharpen the end of the probe to perform the inspection.



3. Electronic Trouble Diagnosis System

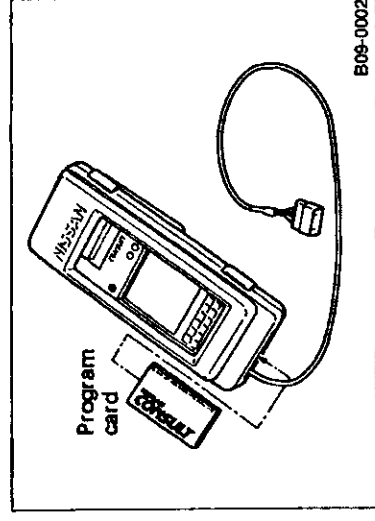
- Use measurement equipment such as the CONSULT electronic system diagnosis tester and an oscilloscope to perform diagnosis operations efficiently.
- The CONSULT unit is a hand-held compact type of tester. It transmits signals to the vehicle loading control units when the diagnosis connector is connected and can perform types of diagnosis and testing.

3. Electronic Trouble Diagnosis System (Cont'd)

Main functions and applications

Diagnosis mode	System		HICAS
	Function	Engine	
Work support	Transmits commands to the electrical control unit for setting the status suitable for required operation.	○	
Self-diagnosis results	Receives the self-diagnosis results from the electrical control unit and displays malfunctioning system names and the number of times a malfunction occurs.	○	○
Data monitor	Receives input and output signals from the control unit, displays and records data used to easily determine cause of malfunction.	○	○
Active test	Sends commands to the control unit and performs the operation inspection and verification of the output system according to output signal changes.	○	○
E.C.U. part number	Displays the part number of the electrical control unit.	○	○

Note: Refer to the CONSULT Operation Manual for further details.



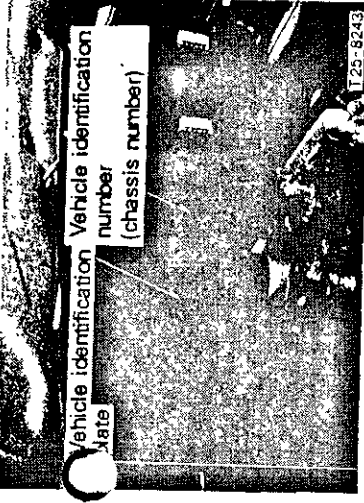
4. Environmental Protection

- Do not pour waste oil or cleaning fluids into a drain after an oil change. Use a disposal method that conforms to local laws.

A3 MODEL VARIATION

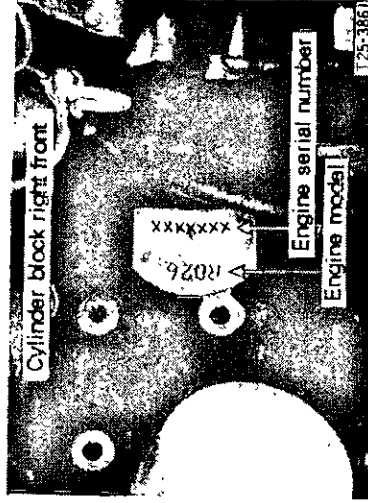
Drive system	Engine	Grade	Body type		Remarks
			4-door sedan	2-door coupe	
4WD	RB26DETT	GT-R	—	○	Transmission Manual 5-speed

A4 VEHICLE AND UNIT IDENTIFICATION PLATE LOCATION



1. Vehicle Identification Plate and Starting Number

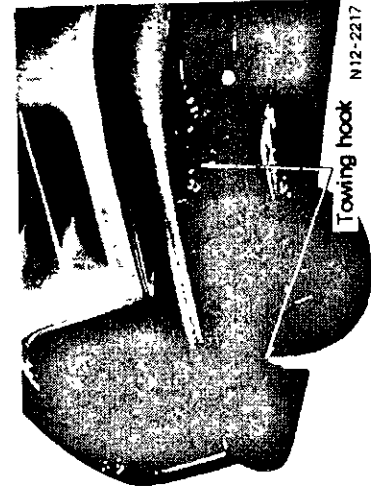
- E-BNR32 model BNR32-000001 - (equipped with RB26DETT engine)



2. Engine Serial Number Location

RB26DETT Engine

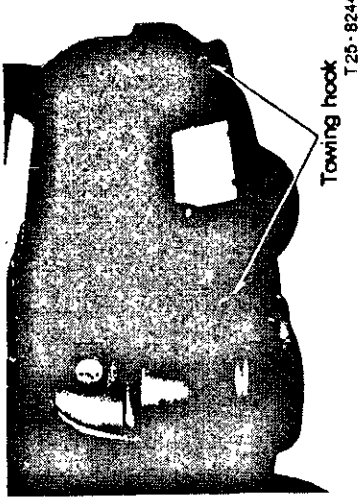
A5 TOW TRUCK TOWING



1. Towing

Front side

- After removing front spoiler, attach a cable to the hook in the front part of the front side member.



Rear

- Attach a cable to the hook mounted in the rear part of the rear side member.

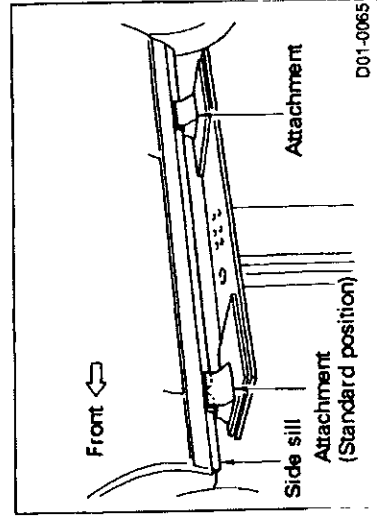
2. 2-pole Lift

- The 2-pole lifting points are the same as for the rigid rack.

CAUTION:

(1) Make sure vehicle is empty when lifting.

(2) When lifting the vehicle, make sure the side sill and lift (rear part) do not contact each other.



3. Board-on Lift

- The board-on lift attachment (LM4086-0200) set at the front end of the vehicle should be set on the front of the sill under the front door opening.

- Position attachments at front and rear ends of board-on lift.

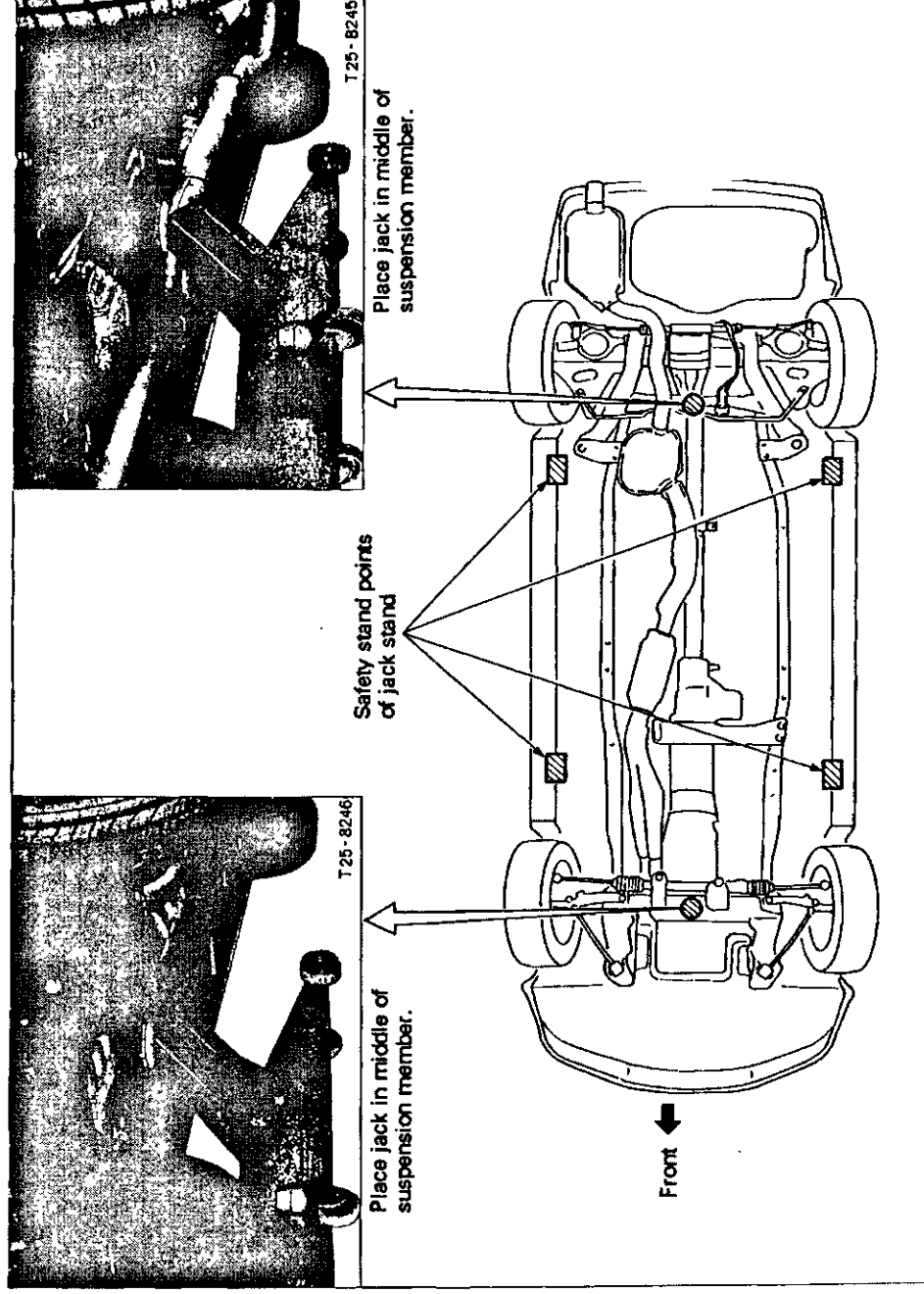
CAUTION:

Make sure vehicle is empty when lifting.

4. Hydraulic Jack Lifting and Jack Stand Support

CAUTION:

- (1) Make sure vehicle is empty when lifting.
- (2) When the front side is jacked up, raise the front sill edge slightly using the jack and then jack the vehicle up.
- (3) Use the attachment (LM4519-0000) whenever a vehicle is supported by jack stands.
- (4) When using jack stands, be careful not to allow the jack stand to crush brake tubes or fuel lines.

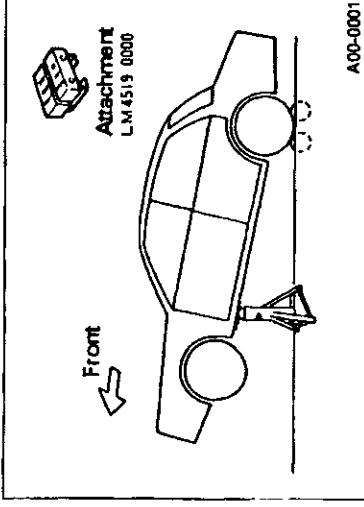


A6 4WD INSPECTION AND REPAIR PRECAUTIONS

Observe the following precautions to measure the speedometer reading and to check braking performance in the 4WD mode.

1. Speedometer Measurement

The two methods to measure the speedometer are described below.

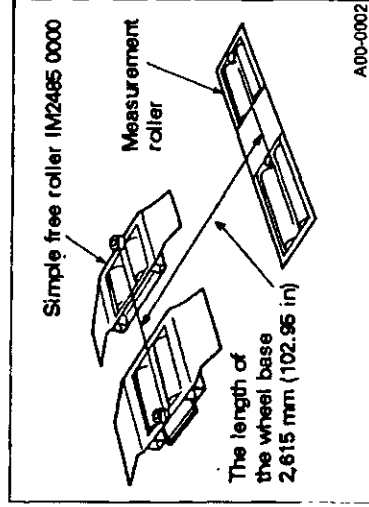


(1) Measurement with front wheels jacked up

- Place the rear wheels on the roller.
- Use the attachment to lift up the front wheels and support the car on jack stands as shown in the figure on the left.
- Place the transmission in 2nd gear and gradually release the clutch.
- When the test is completed, do not apply the brakes suddenly.

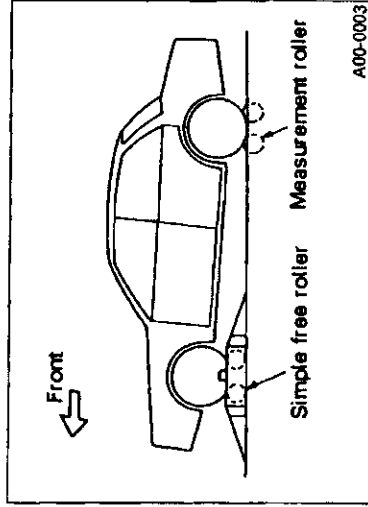
CAUTION:

- (1) Place the jacks securely, and perform the measurement after making sure the vehicle is stable.
- (2) Use the free rollers described below whenever possible.



(2) Measurement with simple free roller

- Set the simple free roller the length of the wheel base [2,615 mm (102.95 in)] forward of the middle of the measurement roller as shown in the figure on the left.

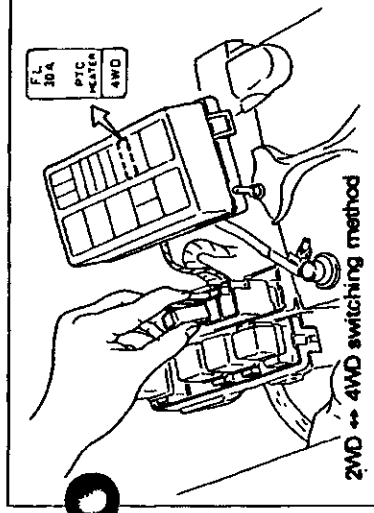


- Place the front wheels on the simple free rollers and the rear wheels on the measurement rollers.
- Place the transmission in 2nd gear and gradually release the clutch.
- When the test is completed, do not apply the brakes suddenly.

2. Braking Performance Check

2-1 PRE-INSPECTION PREPARATIONS

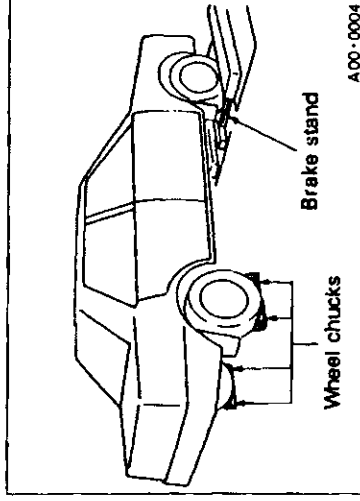
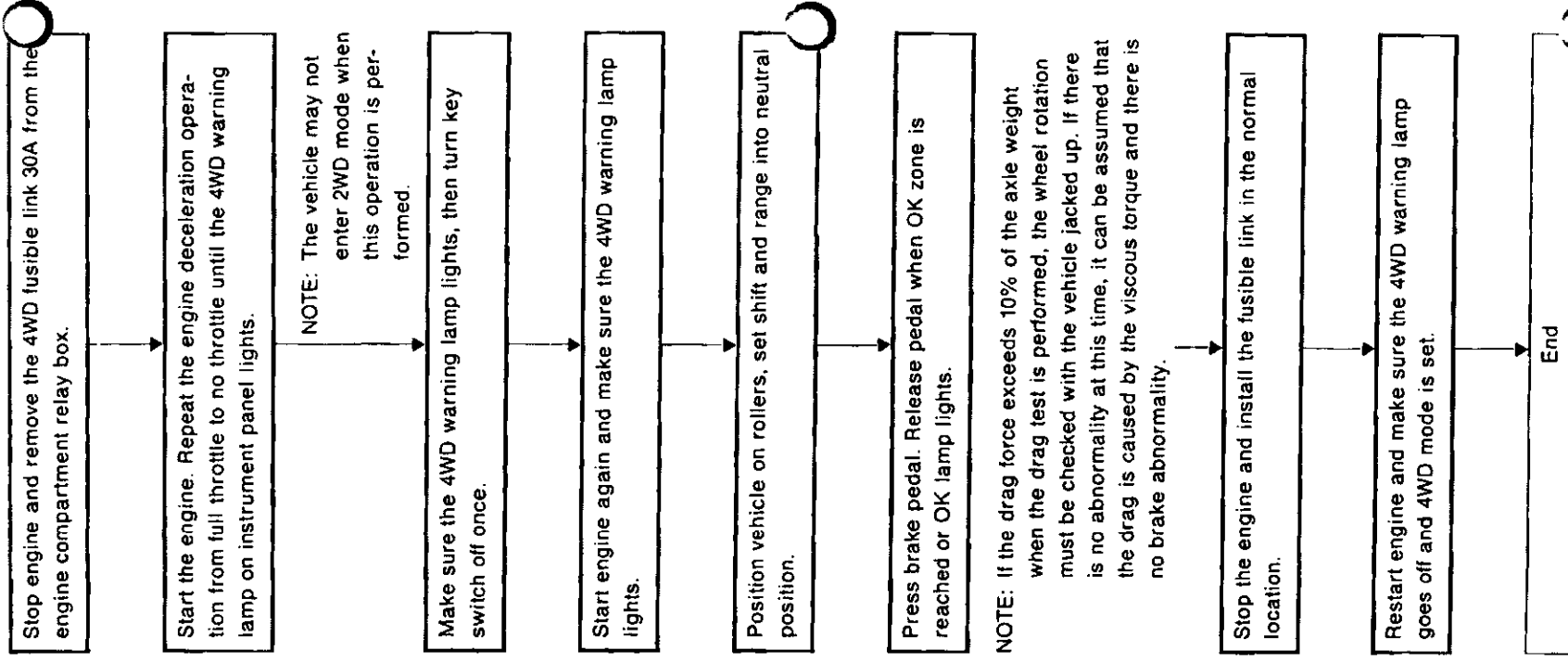
- The performance check must be performed in the 2WD mode. To set the 2WD mode, either use the front propeller shaft removal method or remove the fusible link from the engine compartment. Use the method most suitable for the test location.



A6 4WD INSPECTION AND REPAIR PRECAUTIONS

2. Braking Performance Check (Cont'd)

2-2 INSPECTION POINTS (when fusible link in engine compartment is removed)



A7 4WD VEHICLE TOWING PRECAUTIONS

1. Towing Precautions

- Never tow a 4WD model with front or rear wheels raised and opposite rear or front wheels on the ground as this may cause serious and expensive damage to the transaxle.

