

## SECTION 0A

**GENERAL INFORMATION**

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## VEHICLE SPECIFICATIONS

Item	Standard	Item	Standard
<b>1. Dimension</b>			
Over-all length (mm)	3,340	Valve, Intake	Open — 12°(BTDC) Close — 36°(ABDC)
Over-all width (mm)	1,400	Exhaust	Open — 46°(BBDC) Close — 10°(ATDC)
Over-all height (mm)	1,395	Valve clearance, Cold (mm)	Intake 0.15±0.02 Exhaust 0.20±0.02
Wheel base (mm)	2,335	Hot (mm)	Intake 0.25±0.02 Exhaust 0.30±0.02
Tread, Front (mm)	1,220		
Rear (mm)	1,200		
Minimum ground clearance (mm)	160		
<b>2. Weight</b>		<b>6. Fuel system</b>	
Vehicle weight (kg)	620	Carburetor	2 Barrel down draft
Gross vehicle weight (kg)	895	Fuel pump	Diaphragm type
		Fuel filter	Filter element
		Capacity of fuel tank (l)	30
<b>3. Performance</b>		<b>7. Lubrication system</b>	
Maximum speed (km/h)	143	Type of lubrication	Splash and force-feed
Gradability (tan $\theta$ )	0.382	Oil pump	Trochoid pump type
Minimum turning radius,		Oil filter	Filter element
Left (mm)	4.3		
Right (mm)	4.4		
<b>4. Engine</b>		Capacity of oil (l)	2.5 (Inc. Oil Filter) (2.7)
Engine type	F8C, lead gasoline	<b>8. Cooling system</b>	
Bore x Stroke (mm)	68.5 x 72.0	Type of cooling system	Coolant
No. of Cylinder	3 Cylinders	Water pump	Axial flow
Piston displacement (cc)	796	Thermostat	Wax pallet
Compression ratio	9.3	Capacity of coolant (l)	4
Maximum power (ps/rpm)	41/5,500		
Maximum torque (kg · m/rpm)	6.0/2,500		
<b>5. Ignition system</b>			
Type of ignition system	Full transistor		
Ignition timing (°/rpm)	BTDC, 8°/950rpm		
Firing order	1 — 3 — 2		
Type of ignition plug	RNIIYC		

Item		Standard		Item		Standard	
<b>9. Transmission</b>		4 speed	5 speed	<b>14. Suspension System</b>			
1st		3.818	3.818	Front		Macpherson strut Isolated trailing link, torsion beam	
2nd		2.210	2.210	Rear			
3rd		1.423	1.423				
4th		0.971	0.971	Shock absorber		Gas type	
5th			0.837	Spring		Coil spring	
Rear		3.583	3.583	Stabilizer, Front		Torsion bar	
<b>10. Clutch</b>				Rear		Lateral rod	
Type of clutch		Dry, single plate diaphragm		<b>15. Electrical system</b>			
Facing dimension (mm)		170 × 110 × 3.2		Battery	(V- AH)	12 — 28	
<b>11. Brake</b>				Alternator	(V-A)	12 — 50	
Front		Disc		Starting motor		Magnetic shift	
Rear		Drum		Starting motor power	(kW)	0.8	
<b>12. Axle</b>				<b>16. Tire</b>			
Type of front axle		Ball joint type		Front		135 SR 12	
Type of rear axle		Integral axle type		Rear		(155/70 R 12)	
<b>13. Steering system</b>						135 SR 12	
Type of steering		Rack & Pinion				(155/70 R 12)	
Steering angle, Inner	(°)	42°					
Outer	(°)	35°					
Steering wheel diameter	(mm)	365					
Toe-in	(mm)	1 ± 2					
Camber	(°)	30' ± 1					
Caster	(°)	3° 35' ± 1°					
Kingpin angle	(°)	12.5°					

## IDENTIFICATION OF VEHICLE

### Chassis Number

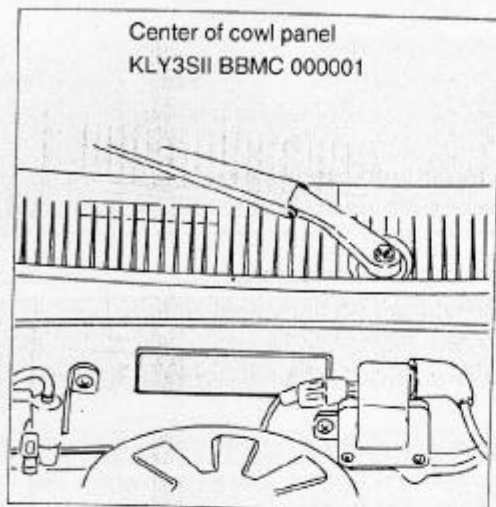


FIG. 0A — 1

### ID Plate

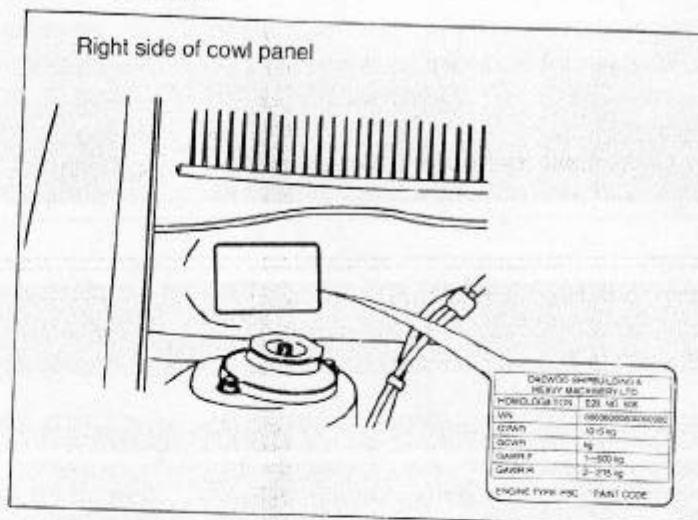


FIG. 0A — 2

Identification number of engine is at the following location.

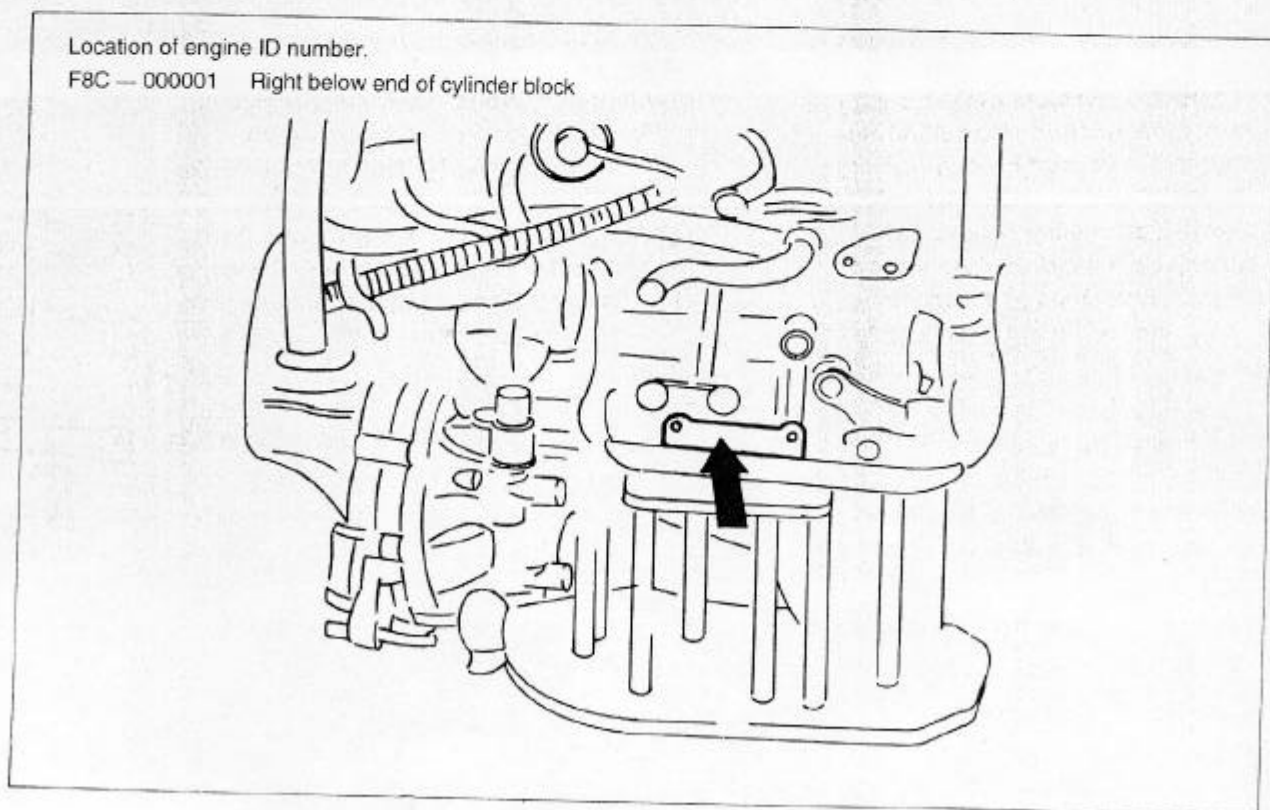


FIG. 0A — 3 LOCATION OF ENGINE ID NUMBER





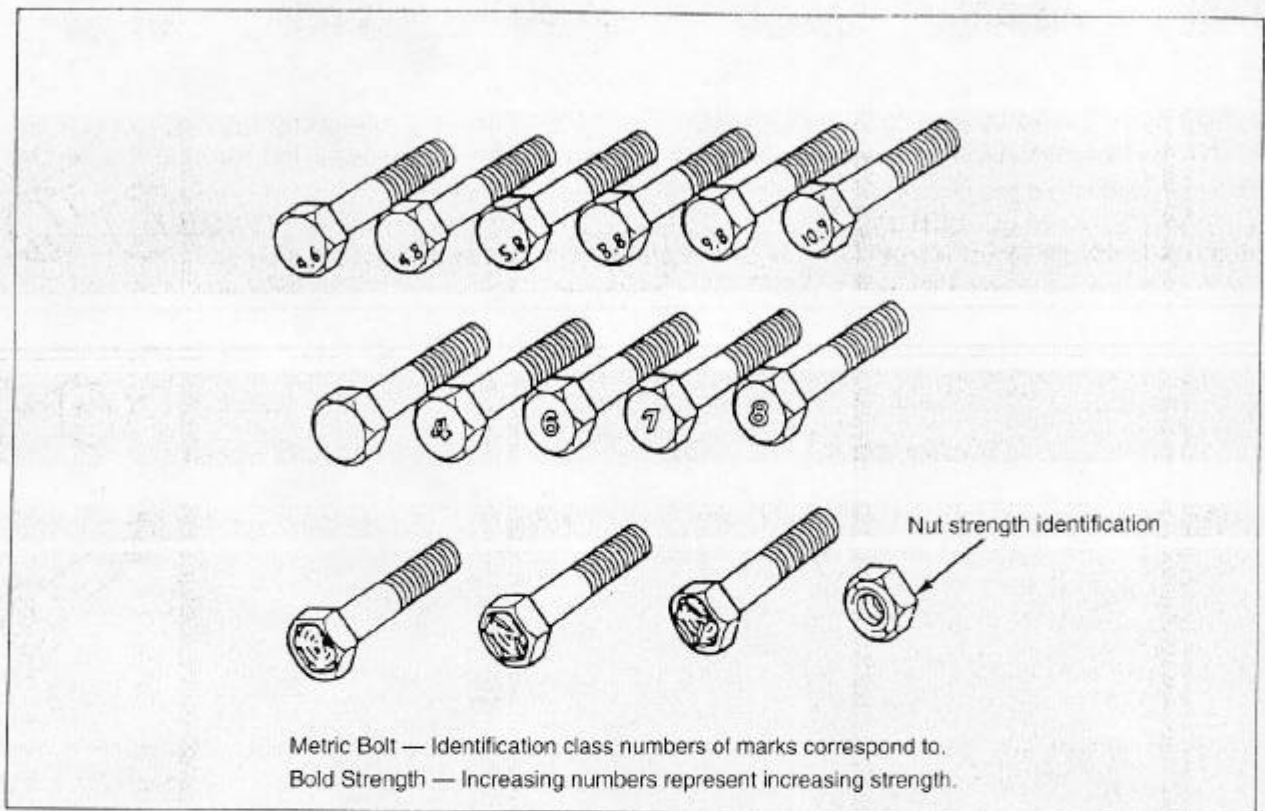


FIG. 0A — 4 BOLT STRENGTH MARKINGS

## STANDARD TIGHTENING TORQUE

Each fastener should be tightened to the torque specified in each section of this manual. If no description or specification is provided, refer to the following tightening torque chart for the applicable torque for each fastener. When a fastener of greater strength than the original one is used, however, use the torque specified for the original fastener.

### CAUTION

- As for the flange bolts and nuts, tighten them at the torque 10% higher than the one shown in the table below.
- The table below shall be adopted only to the bolts and nuts of metal and light alloy.

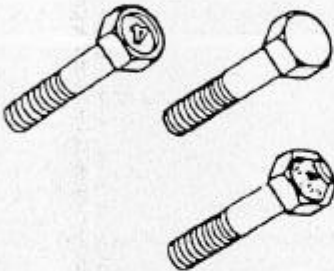
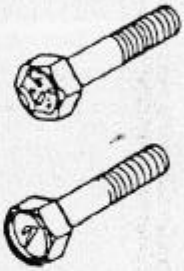
Strength  Screw diameter (mm)	 (Torque) Conventional 4T Bolts		 Strength 7T Bolts	
4	10	— 20	15	— 30
5	20	— 40	30	— 60
6	40	— 70	80	— 120
8	100	— 160	180	— 280
10	220	— 350	400	— 600
12	350	— 550	700	— 1000
14	500	— 800	1100	— 1600
16	800	— 1300	1700	— 2500
18	1300	— 1900	2000	— 2800

FIG. 0A — 5 TABLE OF TIGHTENING TORQUE

## VEHICLE LIFTING POINTS

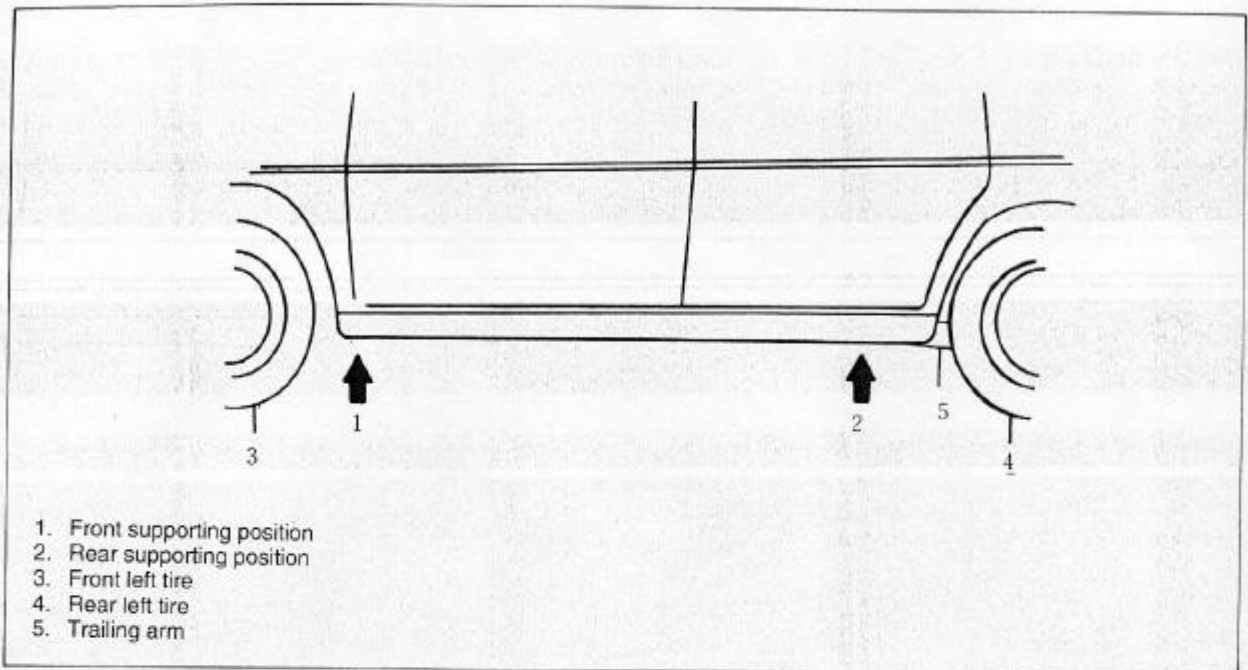


FIG. 0A — 6 VEHICLE LIFTING POINTS

When lifting up and down the vehicle body, the arrow marked positions should be supported as shown in the fig. 0A — 6.

Fig. 0A — 7 and Fig. 0A — 8 are for positions to support with 2 post lifters, and Fig. 0A — 9 and 0A — 10 are with garage jack.

**CAUTION**

- When using 2 post lifters, apply pads on the positions as shown in the figure (same for both right and left) and lift the body until the 4 tires are lifted a little off the ground. Work can be started only after this confirmation.
- Before applying pad to underbody, always take car balance throughout service into consideration. Car balance on hoist may change depending upon what part to be removed.
- Make sure to lock lifter after car is hoisted up.

When the front or rear of vehicle is lifted for work, support the vehicle body with the safety stand under the chassis frame.

**CAUTION**

Put the stopping blocks at the front and back sides of both wheels of which tires are contacting on the ground.



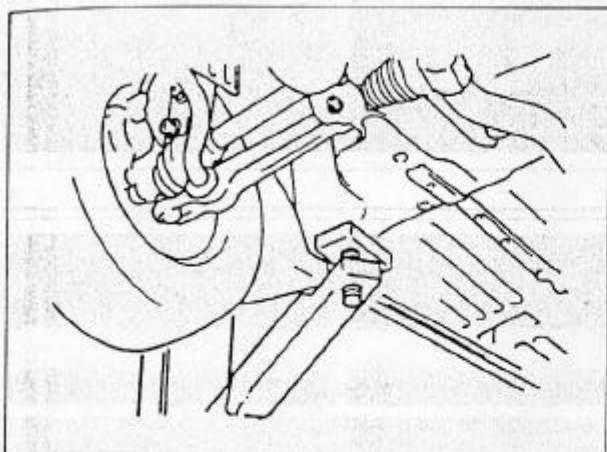
**Supporting positions with 2 post lifter**

FIG. 0A — 7 FRONT SUPPORTING POSITION

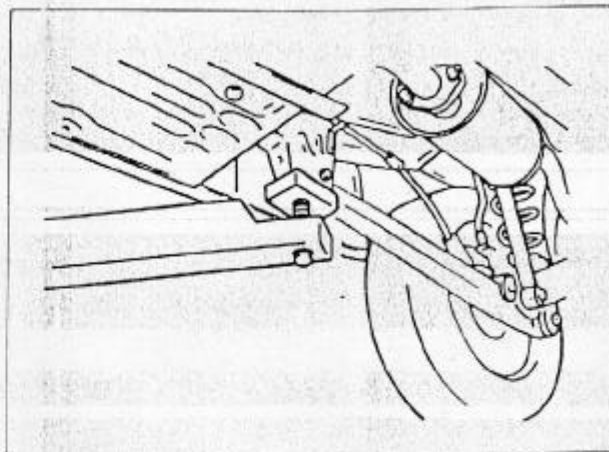


FIG. 0A — 8 REAR SUPPORTING POSITION

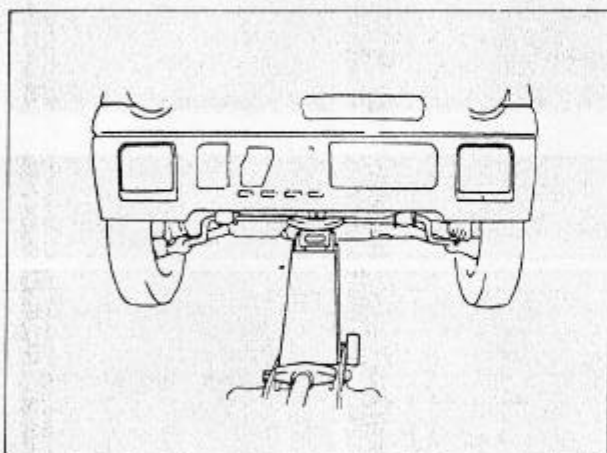
**Supporting position with garage jack**

FIG. 0A — 9 FRONT SUPPORTING POSITION

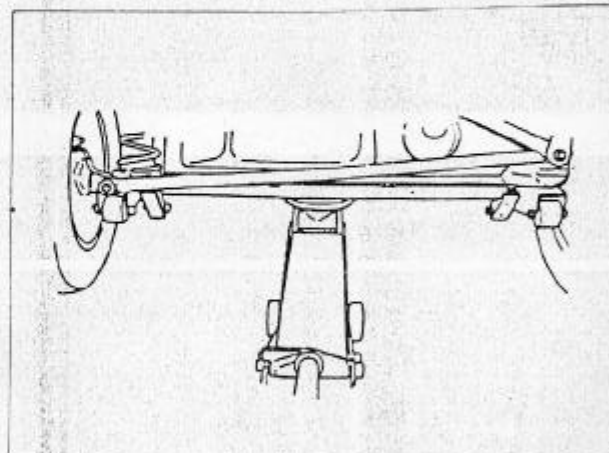
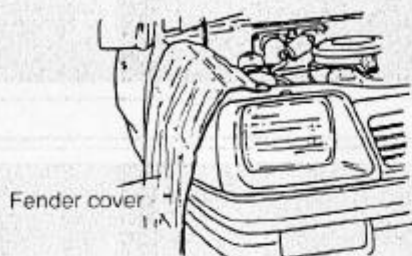


FIG. 0A — 10 REAR SUPPORTING POSITION

## CAUTIONS

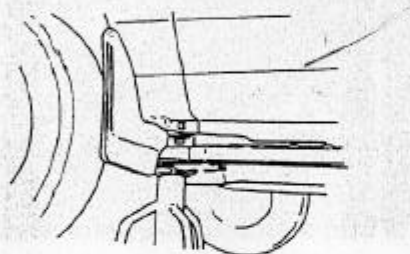
### ① Protection of the vehicle

Always be sure to use fender, seat covers to protect painted surface and seats from dirt.



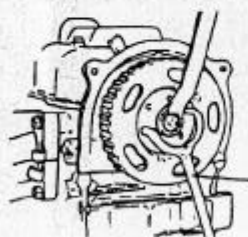
### ② Jack installation

At work with lifted vehicle by jack, be sure to install safety stand on the specified position.



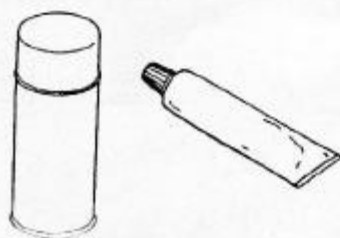
### ③ Special tools

Be sure to use the special tools where the work requires such tools. Do not use other tools to prevent any possible damage to the vehicle.



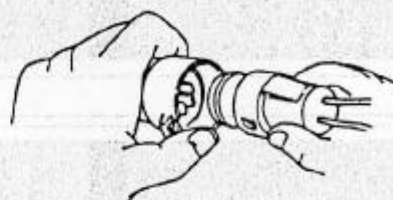
### ④ Oiling

Apply the specified grease and oil before installing some parts which need to be oiled.

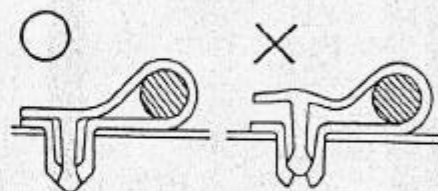


### ⑤ Electrical system

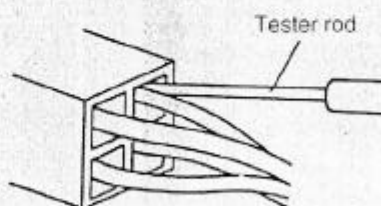
- Be sure to disconnect the connectors with holding the lock part. Push the connectors until the connectors are secured completely.



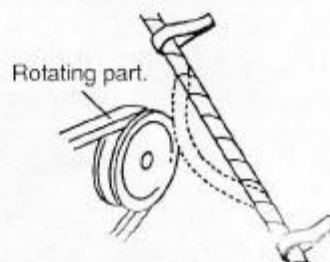
- Be sure that the wiring harness is also to be banded securely.



- Upon measuring or inspecting the connectors with tester, put the test rod into the connectors from wire harness side.



- When installing wire harness, clamp it not to contact to the parts of rotation, vibration, or high temperature.



- ⑥ Replace packings, gaskets, O-rings and split pins with new ones when reassembling.



- ⑩ After reassembly, check the functions of each part to prevent the repeated malfunction.



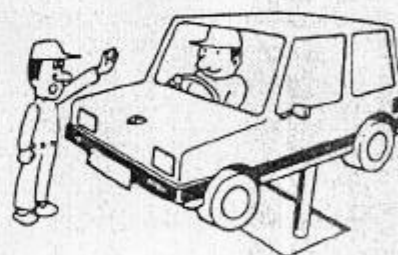
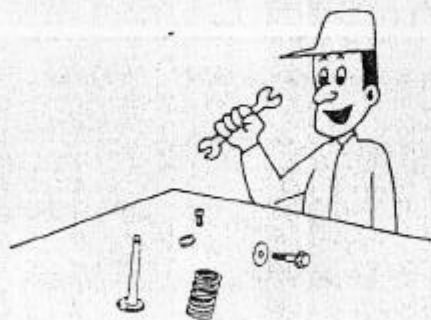
- ⑦ Tighten bolts and nuts in the sequence from the one of larger diameter, from inner one to outer one in diagonal lines, and tighten it to the specified torque. Release bolts and nuts in the reverse procedures.

- ⑪ Before maintenance, clean the vehicle to make the disassembled parts free from dust or dirt.



- ⑧ All disassembled parts should be carefully arranged to prevent damage or loss, and oiled after cleaning appropriately.

- ⑫ For the joint work by two or more persons, do it with talking each other about keeping the safety conducts.



- ⑨ Be careful when handling the battery fluid or brake fluid that makes parts and clothing damaged.



## PRE-DELIVERY INSPECTION

"Daewoo Public Vehicle" gets thoroughly and strictly inspected at the factory before delivery. However, due to the various distribution passages, a pre-delivery inspection should be thoroughly taken on it to maintain the best qualification.

### ★ Pre-delivery inspection list ★

- Steering operation, clearance
- Brake pedal clearance and the clearance between floor and pedal when the pedal is pressed.
- Parking brake lever clearance
- Leakage, damage, or installation condition of brake hose and pipe.
- Brake fluid level
- Loosened wheel nuts and axle nuts.
- Clutch pedal clearance, or the clearance between floor and clutch when the pedal is pressed.
- Oil level and leakage of transimission
- Operation of change lever.
- Battery condition.
- Engine oil level and leakage
- Fuel leakage
- Coolant level and leakage
- Loosening or damage of V-belt.
- Operation of lighting system, horn and instrument illumination.
- Operation of wiper and washer tank level.
- Function of door locks.
- Operation of seat slide
- Inside and outside damage of body
- Vehicle accompanying documents like OEM tools, owner's manual, and etc.
- Licence number plate installation