

DAIHATSU
F70,F75,F77

Service
manual

MAINTENANCE

DAIHATSU MOTOR CO., LTD.

NO.9703-FE

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MAINTENANCE

MAINTENANCE SCHEDULE

SCHEDULE SELECTION

Daihatsu provides two kinds of maintenance schedules, one for NORMAL driving conditions and one for SEVERE driving conditions.

How to select schedule for SEVERE driving

Please follow the schedule for SEVERE driving if the vehicle is operated under one or more of the conditions below.

- Towing a trailer
- Operating when outside temperature remains below freezing.
- Repeated short trips less than 8 km (5 miles)
- Idling for extended periods and/or low speed operation for long distance such as police, taxi, door-to-door delivery or daily rental service.
- Operating in dusty, rough, muddy or salt sprayed roads
- Operating daily for a maximum of 25 km (15 miles) or less, or continuously for 30 minutes or less.



Follow schedule for SEVERE driving in addition to schedule for NORMAL driving.

Schedule for NORMAL driving

Follow the distance and the period the vehicle has been driven whichever comes first, if without any notice. Continue periodic maintenance service after 100,000 km, following the schedule.

WRE91-MA002

SCHEDULE FOR NORMAL DRIVING

Follow the distance and the period the vehicle has been driven whichever comes first, if without any notice. Continue periodic maintenance service after 100,000 km, following the schedule.

○....Check ●....Change or replacement

Section	Inspection																					Refer to see page
		× 1,000 km	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	
		× 1,000 miles	0.6	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	
		(Months) Years	—	(3)	(6)	(9)	1	(3)	(6)	(9)	2	(3)	(6)	(9)	3	(3)	(6)	(9)	4	(3)	(6)	5
Engine	• Cylinder head, manifold and other	• Tightness	○				○				○				○				○			○
	* • Air cleaner element	• Cleaning		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
	• Valve clearance	• Clearance	○				○				○				○				○			○
	* • Engine oil	• Leakage • Level • Change	○	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	* • Oil filter	• Change			●		●		●		●		●		●		●		●		●	●
	• Fuel filter	• Change									●								●			
	• Fuel lines & connections	• Damage • Crack • Tightness • Leakage	○				○				○				○				○			○
		• Fuel hose replacement	Every 4 years																			FU section
	• Coolant (LLC)	• Quantity • Leakage • Change	○		○		○		○		●		○		○		○		●		○	○
	• V-belt	• Tension • Crack • Damage	○		○		○		○		○		○		○		○		○		○	○
	• Timing belt	• Replacement	Every 100,000 km (60,000 miles)																			EM section
	• Glow plug	• Function	○		○		○		○		○		○		○		○		○		○	○
	• Injection nozzle & injection timing	• Injection pressure • Timing					○				○				○				○			○
Exhaust emission control system	• Blow-by gas ventilation hose	• Connection • Damage					○				○				○				○			○
Power transmitting system	• Clutch	• Free play			○		○		○		○		○		○		○		○		○	○
	• Transmission & differential	• Oil level • Oil leakage • Oil change	○		○		○		●		○		○		●		○		○		●	○
	• Propeller shaft	• Tightness • Rattle • Damage					○				○				○				○			○

* In case of severe driving, see page MA-6.

MAINTENANCE

○....Check ●....Change or replacement

Section	Inspection		O....Check ●....Change or replacement																								Refer to see page																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Suspension system	• Suspension arm, control arm, dust cover	• Tightness • Damage								○					○				○				○																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					</

○....Check ●....Change or replacement

Section	Inspection	× 1,000 km	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	Refer to see page
		× 1,000 miles	0.6	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	
		(Months) Years	—	(3)	(6)	(9)	1	(3)	(6)	(9)	2	(3)	(6)	(9)	3	(3)	(6)	(9)	4	(3)	(6)	(9)	5	
Braking system	• Brake pedal & parking brake	• Free play • Reserved working travel	○		○		○		○		○		○		○		○		○		○		○	MA-17
	• Disc pad	• Clearance • Wear • Damage					○				○				○				○				○	MA-18
	• Brake hose, tube	• Leakage • Damage • Loose clamps	○		○		○		○		○		○		○		○		○		○		○	MA-18
		• Hose, caliper piston seal and boot change	Every 4 years																					BR section
	• Brake fluid	• Level	○		○		○		○		○		○		○		○		○		○		○	MA-19
		• Fluid change	Every 1 year																					BR section
	• Brake drum, lining	• Wear • Damage					○				○				○				○				○	MA-19
	• Brake booster	• Function					○				○				○				○				○	MA-19
		• Vacuum hose replacement	Every 4 years																					BR section
	• Master & wheel cylinder	• Cup and dust seal replacement	Every 2 years																					BR section
Chassis & body	• Muffler, exhaust pipe, mountings	• Tightness • Damage					○				○				○				○				○	MA-19
	• All doors, hood	• Rock operation • Tightness					○				○				○				○				○	MA-20
	• Seat belt	• Operation • Tightness					○				○				○				○				○	MA-20
	• Chassis grease	• Condition • Apply	○		○		○		○		○		○		○		○		○		○		○	MA-20
	• Other bolts, nuts & wheel hub nuts	• Tightness	○		○		○		○		○		○		○		○		○		○		○	MA-20
Electrical system	• Battery	• Electrolyte level		○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	MA-20
	• Wire harness	• Tightness clamps • Damage	○		○		○		○		○		○		○		○		○		○		○	MA-21
	• Lighting system, meter & gauge	• Function	○		○		○		○		○		○		○		○		○		○		○	MA-21
	• Heater	• Heater hose replacement	Every 4 years																					BE section

* In case of severe driving condition, see page MA-6.

MAINTENANCE

SCHEDULE FOR SEVERE DRIVING

Maintenance item			Interval	Condition
Engine oil	DL-42	API CC, CD	Change every 2,500 km (1,500 miles)	A.D.F
	DL-52	API CD		
Engine oil filter			Change every 2,500 km (1,500 miles)	
Air cleaner element			Clean every 2,500 km (1,500 miles) and replace every 20,000 km (12,000 miles)	D
Exhaust pipe and mountings			Inspect every 5,000 km (3,000 miles)	A.B.C.E

Severe driving conditions:

- A - Pulling a trailer
- B - Repeated short trips
- C - Driving on rough roads
- D - Driving on dusty roads
- E - Driving in extremely cold weather and/or on salted roads
- F - Repeated short trips in extremely cold weather

WRE91-MA003

MAINTENANCE OPERATIONS

ENGINE

CYLINDER HEAD, MANIFOLD

Check of cylinder head bolts & manifold bolts tightening torque.

Tightening Torque:

Cylinder Head: $117.6 \pm 9.8 \text{ N}\cdot\text{m}$
 $(12.0 \pm 1.0 \text{ kgf}\cdot\text{m}, 86.8 \pm 7.2 \text{ ft}\cdot\text{lb})$

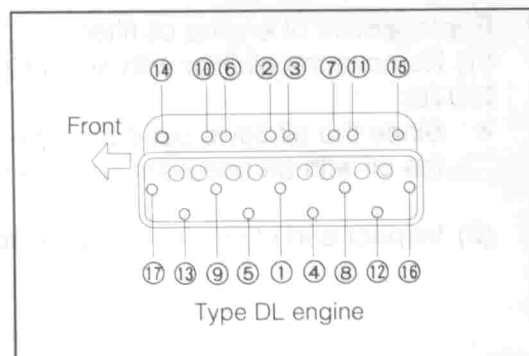
Manifold:

IN ... $36.75 \pm 7.35 \text{ N}\cdot\text{m}$
 $(3.75 \pm 0.75 \text{ kgf}\cdot\text{m}, 27.15 \pm 5.45 \text{ ft}\cdot\text{lb})$

EX ... $46.55 \pm 7.35 \text{ N}\cdot\text{m}$
 $(4.75 \pm 0.75 \text{ kgf}\cdot\text{m}, 34.35 \pm 5.45 \text{ ft}\cdot\text{lb})$

NOTE:

- This tightening torque means the torque check of the head bolts, not retightening. Therefore, if you find any looseness during the torque check, retighten the bolt to the torque specified in this table.



WRE91-MA004

WRE91-MA005

AIR CLEANER ELEMENT

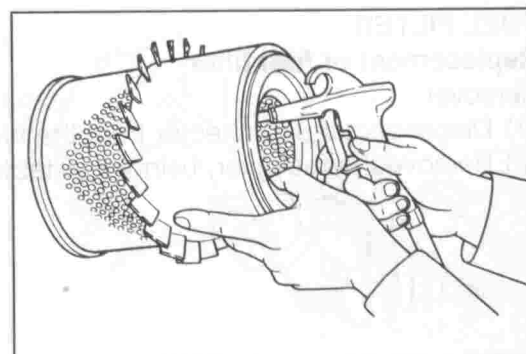
Cleaning of air cleaner element

- Remove the air cleaner element from the air cleaner case.
- Clean the element with compressed air. First blow from the back side thoroughly. Then, blow off the front side of the element.

CAUTION:

- The air pressure to be used for this cleaning operation should not exceed 392 kPa (4.0 kgf/cm²).

- Install the air cleaner element in the air cleaner.



WRE91-MA006

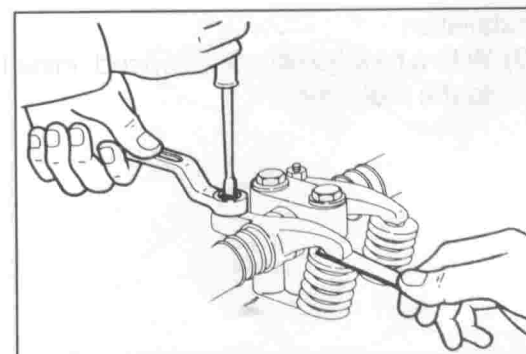
VALVE CLEARANCE (Hot condition).

Adjustment of valve clearance

NOTE:

- Check and adjust the valve clearance while the engine is hot.

Model		DL-42	DL-52
Intake	mm	0.25	
Exhaust	mm	0.25	0.35



WRE91-MA007

REFERENCE:

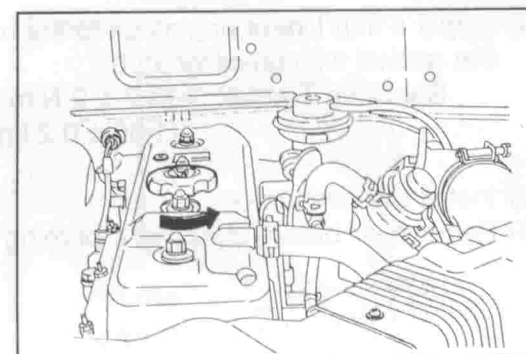
For the valve clearance while the engine is cold, add 0.05 mm to the value for hot engine.

ENGINE OIL AND FILTER

- Engine oil change

Recommended Oil Grade:

DL-42: API CC or CD
 DL-52: API CD



WRE91-MA008

MAINTENANCE

2. Replacement of engine oil filter

- (1) Remove the oil filter with an oil filter wrench.

NOTE:

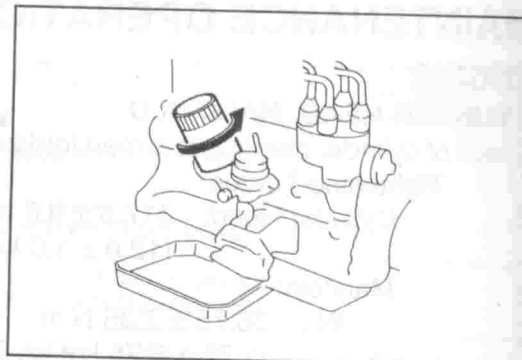
- Since the oil flows out during the replacement, receive the oil with an adequate container.

- (2) Inspect and clean the oil filter installation surface.

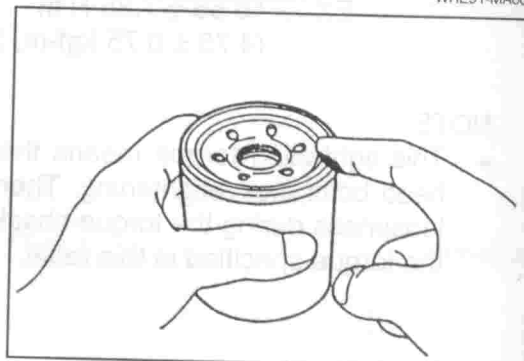
- (3) Apply clean engine oil to the gasket of a new oil filter.

- (4) Installation of oil filter

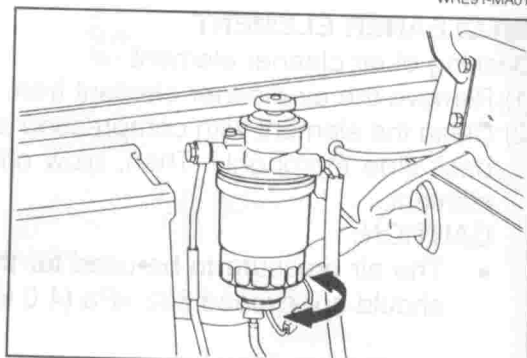
Screw a new filter into place and tighten it until the gasket contacts the seat. Then, make about one additional turn to seat the filter.



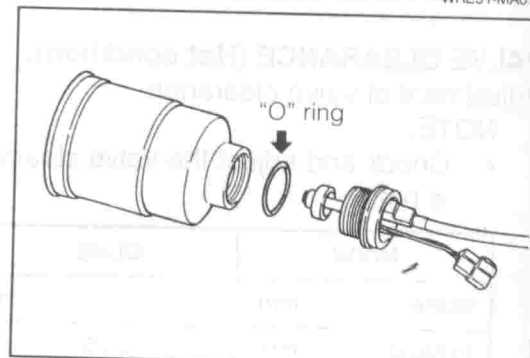
WRE91-MA009



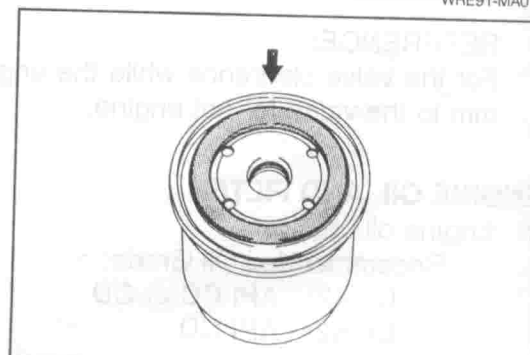
WRE91-MA010



WRE91-MA011



WRE91-MA012



WRE91-MA013

FUEL FILTER

Replacement of fuel filter

Removal

- (1) Disconnect the connector from the fuel filter.
- (2) Remove the fuel filter, using a suitable oil wrench.

Installation

- (3) With a new "O" ring interposed, install the sensor assembly to the fuel filter.

- (4) Apply a thin film of engine oil to the rubber gasket. Install the gasket with an oil wrench.

Specified Torque: $12.7 \pm 2 \text{ N}\cdot\text{m}$
($1.30 \pm 0.2 \text{ kgf}\cdot\text{m}$, $9.4 \pm 1.4 \text{ ft}\cdot\text{lb}$)

- (5) Install the connector.

- (6) Perform air bleeding, using a priming pump.

FUEL LINES & CONNECTION

Inspection of fuel lines and connections

Visually inspect the fuel lines for cracks, leakage, loose connections or deformation.

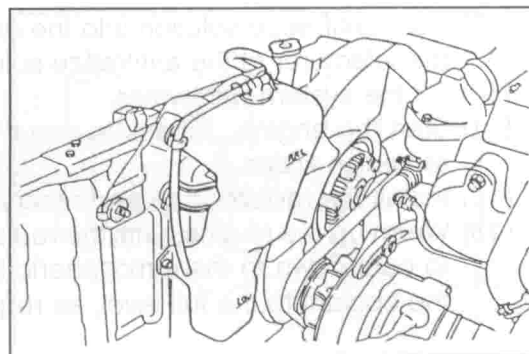
WRE91-MA014

ENGINE COOLANT

1. Check of coolant level

Check to see if the coolant level is between the LOW and FULL lines of the reserve tank.

If the coolant level is near the low level or below the low level, add the coolant up to the full level.

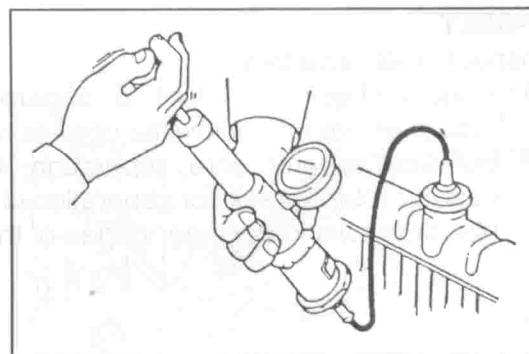


WRE91-MA015

2. Check of cooling system for leakage

Radiator

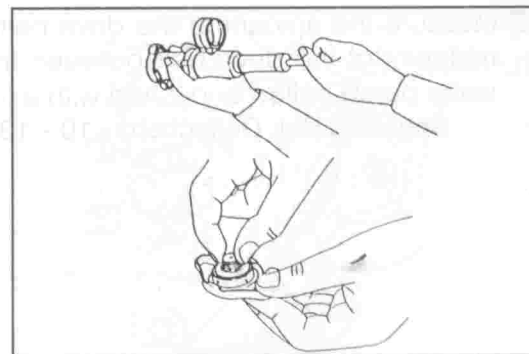
- (1) Fill the radiator with coolant. Attach a radiator cap tester.
- (2) Warm up the engine.
- (3) Apply a pressure of 117.2 kPa (1.2 kgf/cm², 17 psi) to the cooling system by means of the radiator cap tester.
- (4) Ensure that no leakage is present.



WRE91-MA016

Radiator cap

- (1) Check the pressure of the radiator cap valve with the radiator cap tester.
- (2) Check to see if the valve opens or closes by pulling and releasing it by hand.
- (3) Check the sealed section for damage.



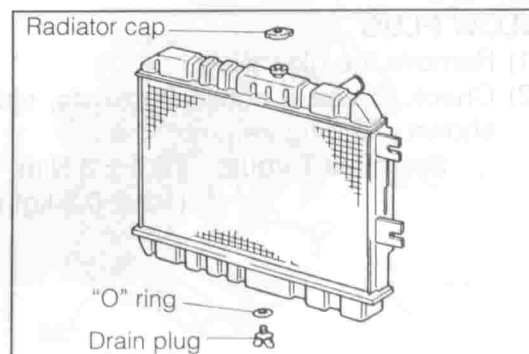
WRE91-MA017

3. Coolant change

- (1) Open the radiator cap and drain plug and allow the coolant to drain into a suitable container.

WARNING:

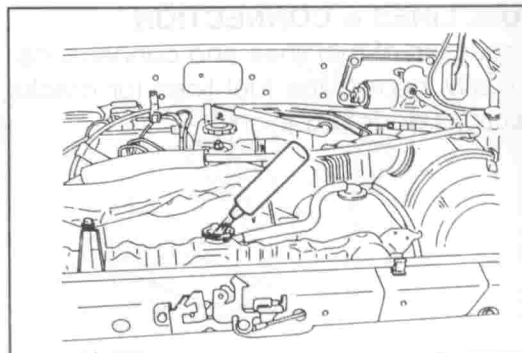
Never open the radiator cap and/or drain plug when the engine is still hot.



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MAINTENANCE

- (2) Close the drain plug.
- (3) Fill the system with water.
- (4) Start the engine for two or three minutes and stop it.
- (5) Repeat the steps 1 through 4 two or three times.
- (6) Drain the coolant.
- (7) Close the drain plug with a new "O" ring interposed.
- (8) Drain the coolant from the reserve tank.



WRE91-MA019

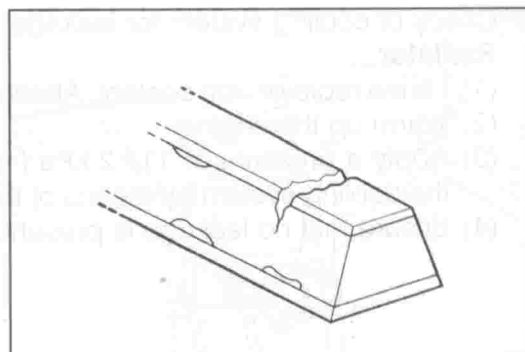
- (9) Pour antifreeze solution into the radiator and reserve tank in accordance with the instructions of the manufacturer of the antifreeze solution.
- (10) Fill the system with water.
- (11) Start the engine. Check to see if the coolant level in the radiator drops. If the coolant level drops, replenish water.
- (12) Install the radiator cap and reserve tank cap.
- (13) Warm up the engine, until the radiator cooling fan motor starts to rotate. Afterwards, allow the coolant to cool down to the atmospheric temperature. Recheck the coolant level at the reserve tank. Add the coolant to the full level, as required.

WRE91-MA020

V-BELT

Inspection of drive belt

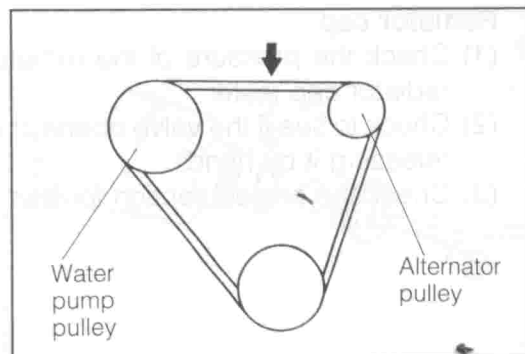
- (1) Visually check the V belt for separation of the adhesive rubber above and below the core, core separation from the belt side, severed core, separation of the rib from the adhesive rubber, cracks or separation of the ribs, torn or worn ribs or cracks in the inner ridges of the ribs.



WRE91-MA021

- (2) Measure the amount of the drive belt deflection when the midpoint of the drive belt between the alternator and the water pump pulley is pushed with a force of 98 N (10 kgf).

Specified Belt Deflection: 10 - 13 mm

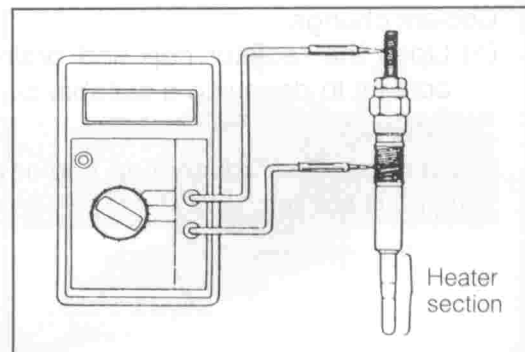


WRE91-MA022

GLOW PLUG

- (1) Remove the glow plug.
- (2) Check to see if continuity exists, using an ohmmeter as shown in the figure.

Specified Torque: $12.7 \pm 3 \text{ N}\cdot\text{m}$
($1.3 \pm 0.3 \text{ kgf}\cdot\text{m}$, $9.4 \pm 2.2 \text{ ft}\cdot\text{lb}$)

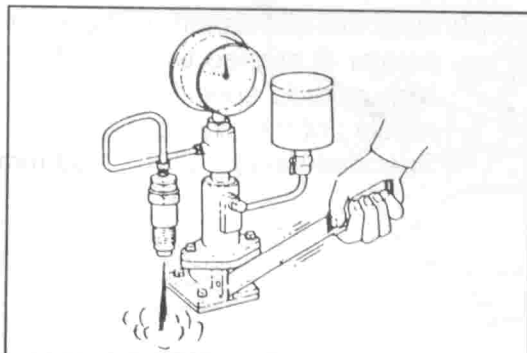


WRE91-MA023

INJECTION NOZZLE

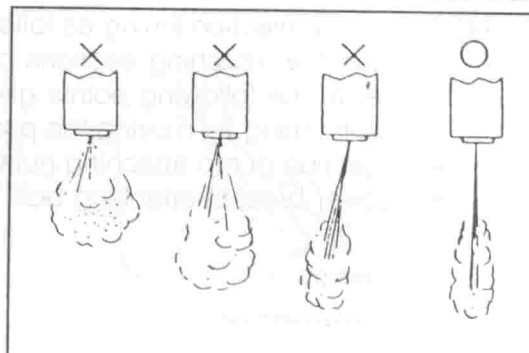
1. Measurement of injection pressure of injection nozzle
 - (1) Remove the injection nozzle.
 - (2) Install the nozzle to the nozzle tester. Inject the nozzle two or three times by moving the tester lever quickly so that any carbon will be blown from nozzle end.
 - (3) Gradually increase the pressure by pushing the tester lever slowly. Measure the pressure at which the pointer of the pressure gauge makes a sharp drop.

Specified Value: 12748 kPa (130 kgf/cm²)



WRE91-MA024

2. Check of spray condition
Operate the pump lever at a rate of 50 to 60 times per minute.



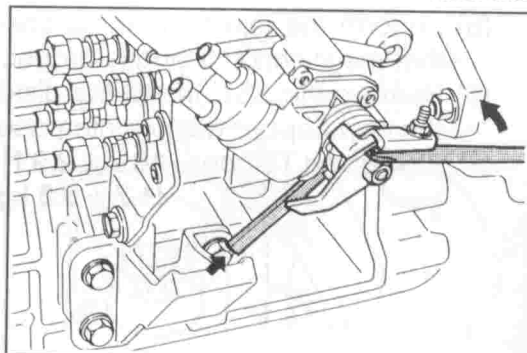
WRE91-MA025

INJECTION TIMING

Releasing procedure for automatic cold start device

When the engine water temperature is below 60°C, release the automatic cold start device, following the procedures given below.

- ① Make rotation in the arrowheaded direction by inserting a screwdriver or the like having a diameter of 8 mm into the lever as shown in the figure.
- ② Insert a block of 8.5 - 10 mm thickness into between the lever and thermo wax plunger.



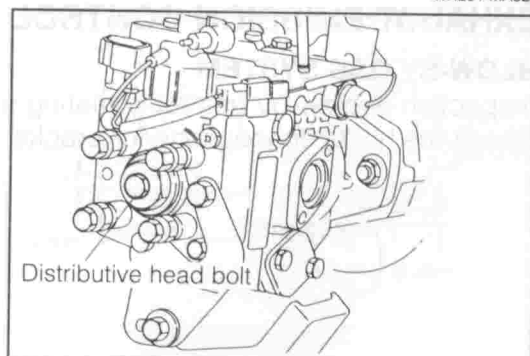
WRE91-MA026

- (1) Remove the distributive head bolt on the injection pump. Then, install the following SST and set a dial gauge.

SST: 09275-87701-000

NOTE:

- Ensure that the measuring pin of the dial gauge contacts the flat section of the plunger.
- Ensure that no dust gets into the pump.

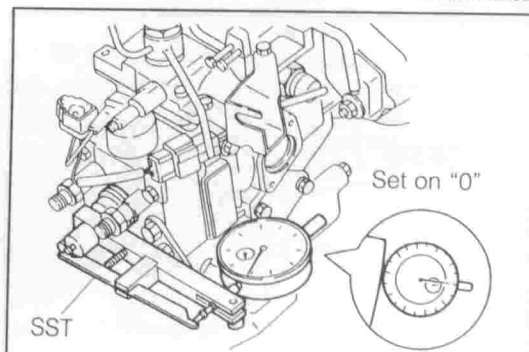


WRE91-MA027

- (2) Set the dial gauge pointer to the "O" position when the crankshaft is set to 60° before the top dead center.

NOTE:

- At this time, turn slightly the crankshaft pulley to the right and left sides and make sure that the pointer is stable at the "O" position.



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- (3) Turn the crankshaft in the normal direction, until the pointer is aligned with the 1° BTDC (3° in the case of high altitude specifications). At this setting, note the reading of the dial gauge.

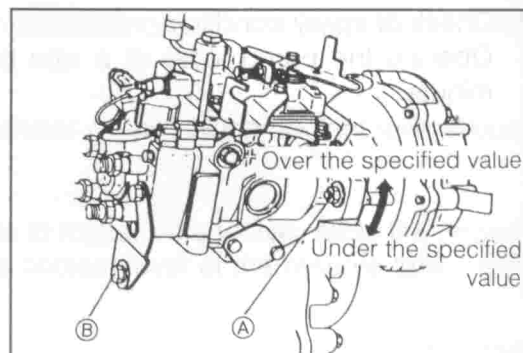
Specified Value: 0.97 - 1.03 mm

WRE91-MA029

- (4) Adjust the injection timing as follows:

Slacken the attaching sections of the injection pump proper at the following points given below. Adjust the injection timing by moving the pump proper.

- Injection pump attaching nuts (A)
- Lower bracket attaching bolt (B)



WRE91-MA030

- (5) Perform the injection timing check again and ensure that the injection timing is proper.

- (6) Remove the SST. Install the distributive head bolt with the new copper washer interposed.

Tightening Torque: 16.7 ± 2.9 N·m
(1.7 ± 0.3 kgf-m, 12.3 ± 2.2 ft-lb)

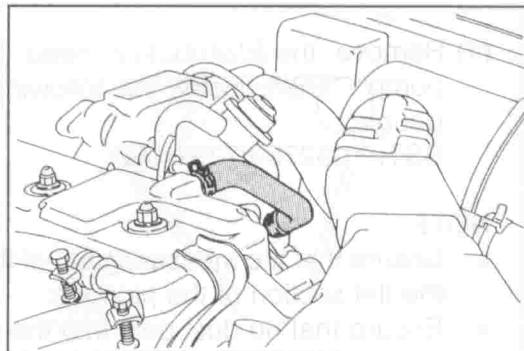
WRE91-MA031

EXHAUST EMISSION CONTROL SYSTEM

BLOW-BY GAS SYSTEM

Inspection of blow-by gas recirculating system.

Check the hose, connections for cracks, leaks or damage.



WRE91-MA032

POWER TRANSMITTING SYSTEM

CLUTCH

Check of clutch

(1) Adjust the clutch pedal height by means of the set bolt.

Clutch Pedal Installation Height:

L.H.D: 221 ± 3 mm

R.H.D: $221 + 6$ mm

NOTE:

- The clutch pedal height should be measured from the body metal by rolling up the carpet and floor mat.

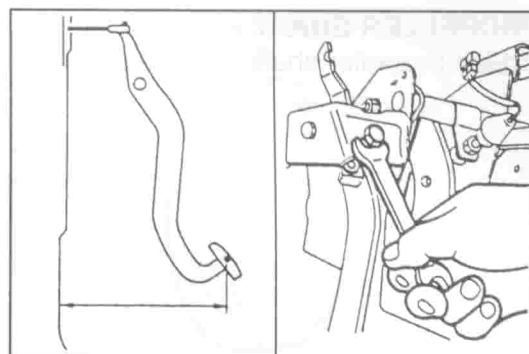
(2) Connect the clutch cable to the clutch pedal. Adjust the clutch free travel.

Adjust the clutch free travel by moving the "E" ring of the clutch cable.

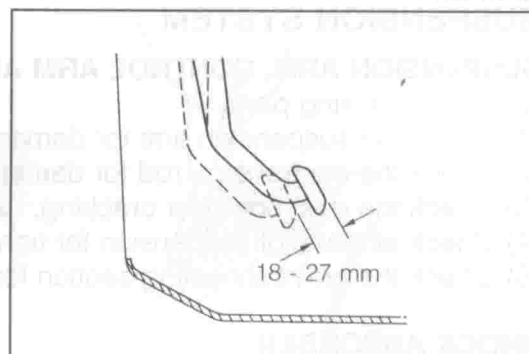
Specified Clutch Free Travel: 18 - 27 mm

NOTE:

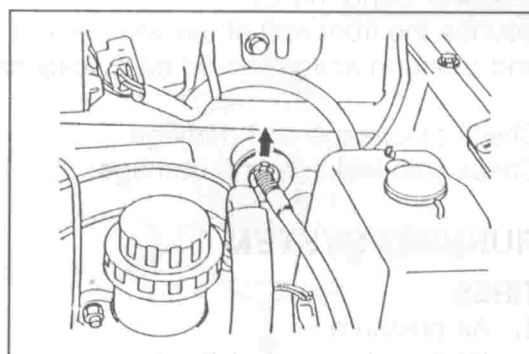
- Apply grease to the clutch cable and the installation section of the pedal.



WRE91-MA034



WRE91-MA035



WRE91-MA036

TRANSMISSION & DIFFERENTIAL

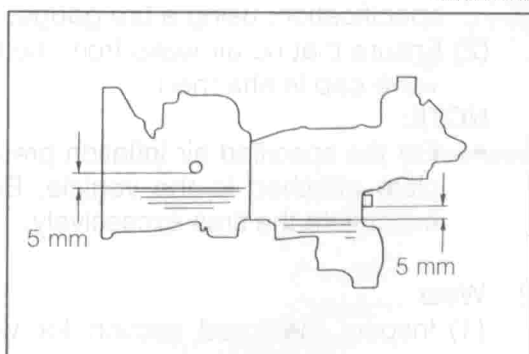
Checking of oil level and leakage

(1) Checking of oil level and leakage

Oil should be up to the filler plug hole.

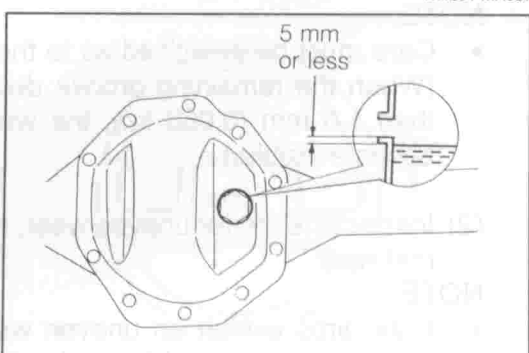
Add oil if low and inspect for oil leakage.

(2) Oil change



WRE91-MA037

		Grade/Viscosity	liter
Transmission		API GL-3/SAE 80W, 85W, 90	2.0/4 speed 2.7/5 speed
Transfer		API GL-3/SAE 75W-85	1.4
Differential	Front	API GL-5/SAE 80W, 85W, 90	1.5
	Rear	↑	↑

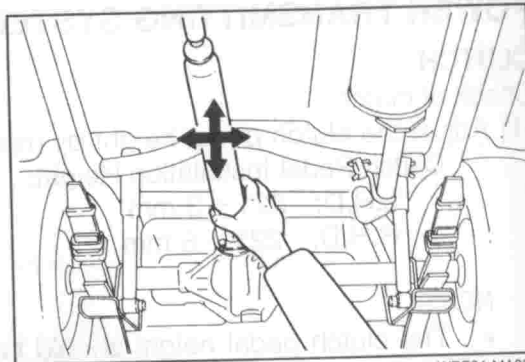


WRE91-MA038

MAINTENANCE

PROPELLER SHAFT

Check propeller shaft for rattle and damage.



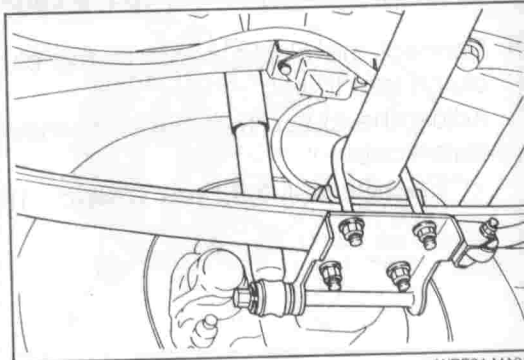
WRE91-MA039

SUSPENSION SYSTEM

SUSPENSION ARM, CONTROL ARM AND DUST COVER

Check of following parts

- (1) Check the suspension arm for damage.
- (2) Check the control arm, rod for damage.
- (3) Check the dust cover for cracking, damage or tears.
- (4) Check all parts of suspension for tightness.
- (5) Check the arm connecting section for excessive play.



WRE91-MA040

SHOCK ABSORBER

Check of performance

Bounce the front end of the vehicle and check that the bound and rebound action should be quickly damped.

Check of leakage and damage

Check fluid leakage and damage.

RUNNING SYSTEM

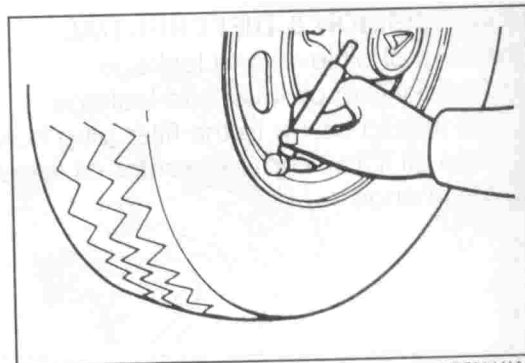
TIRES

1. Air pressure

- (1) Check to see if the tire air pressure conforms to the specification, using a tire gauge.
- (2) Ensure that no air leaks from the tire valve and that the valve cap is attached.

NOTE:

- For the specified air inflation pressure, see the caution plate attached to the vehicle. Be very careful not to overinflate the tires excessively.



WRE91-MA041

2. Wear

- (1) Inspect the tread section for wear. Ensure that the groove depth is at least 1.6 mm.

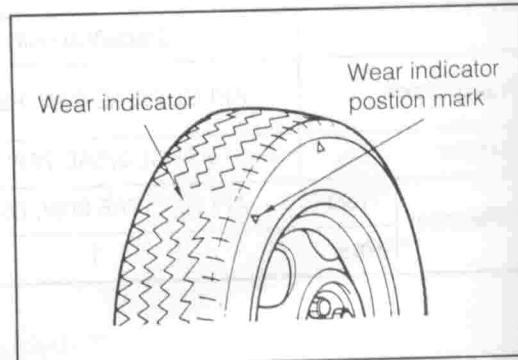
NOTE:

- Care must be exercised as to the wear indicator mark. (When the remaining groove depth is reduced to less than 1.6 mm (0.063 in.), the wear indicator mark will become visible.)

- (2) Inspect the tire for uneven wear, ridge and other abnormal wear.

NOTE:

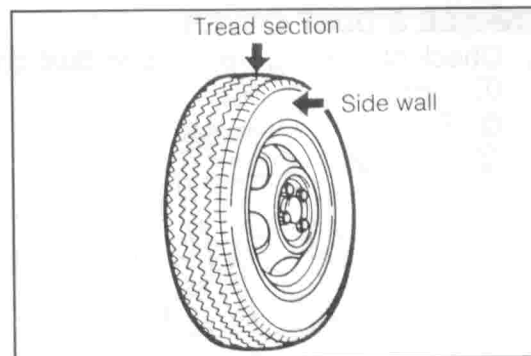
- If the tires exhibit an uneven wear pattern, check the wheel balancing and front wheel alignment.



WRE91-MA042

3. Crack and damage

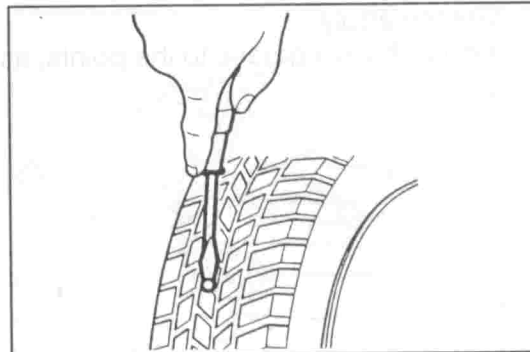
Check that the tread section and side wall section are free from cracks and damage.



WRE91-MA043

4. Objects caught in tire pattern

Ensure that no nail, metal chip, gravel or other foreign matters lodge at the grooves of each tire, or none of them sticks into the tire.



WRE91-MA044

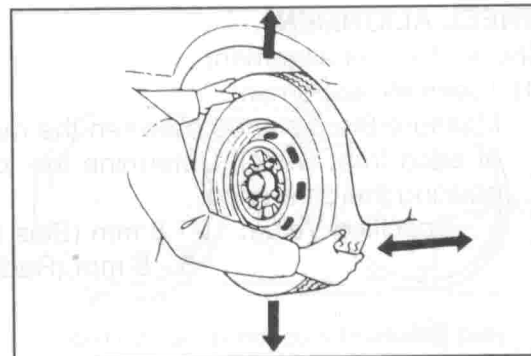
WHEEL BEARING

1. Check of front and rear wheel for rattle

- (1) Jack up the vehicle.
- (2) Alternatively push and pull upper and lower parts of the tire.
- (3) If excessive play is found, perform the check while the brake pedal is being depressed.

If not loose: Wheel bearing is loose.

If still loose: Knuckle section or other suspension parts are loose.



WRE91-MA045

2. Grease change

Refer to the FS, RS section.

WRE91-MA046

STEERING SYSTEM

STEERING WHEEL

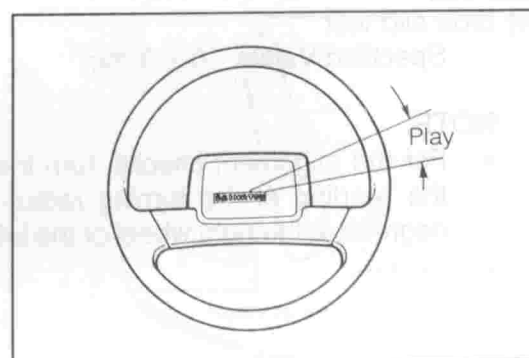
Set the vehicle in a straight-ahead condition. Check the steering wheel play by turning it lightly with your fingers.

Specified Value: 25^{+5}_{-10} mm

Check of steering wheel tightness.

Tightening Torque: 29.4 - 49.0 N·m

(3.0 - 5.0 kgf·m, 21.7 - 36.2 ft·lb)



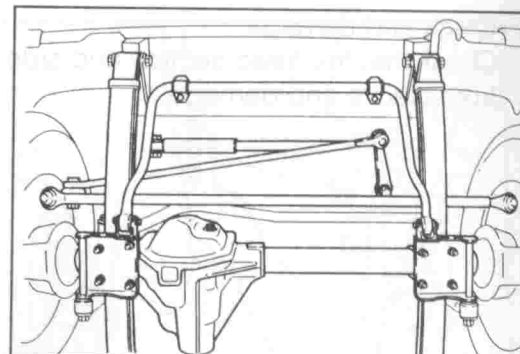
WRE91-MA047

MAINTENANCE

LINKAGE & DUST COVER

1. Check of steering linkage and dust cover.

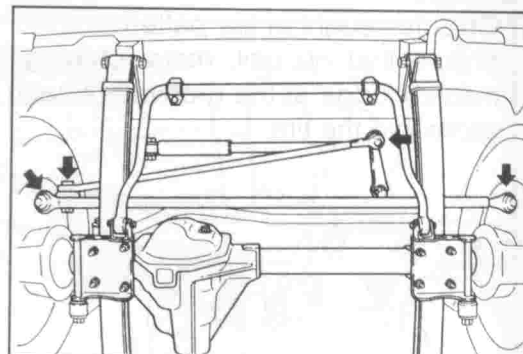
- ① Tightness
- ② Rattle
- ③ Damage



WRE91-MA048

2. Grease apply

Apply chassis grease to the points, as shown in the illustration.



WRE91-MA049

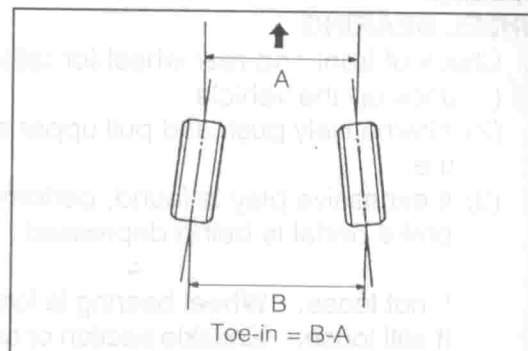
WHEEL ALIGNMENT

Check of wheel alignment

- (1) Toe-in measurement

Measure the distance between the marks at the front side of each front wheel. Determine the toe-in amount by calculating the difference.

Specified Value: 0 - 8 mm (Bias tire)
-3 - 5 mm (Radial tire)



WRE91-MA050

- (2) Chamber measurement

Specified Chamber Amount: $1^\circ \pm 1^\circ$

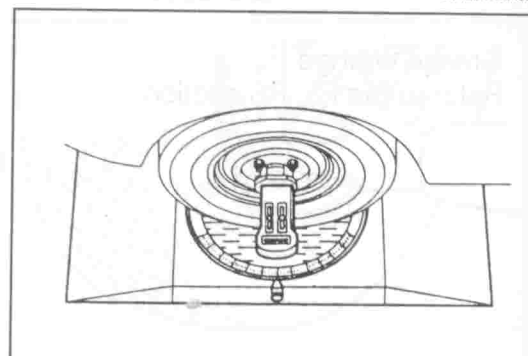
NOTE:

- The measurement should be performed in the same way at the right and left wheels.

- (3) Caster measurement

Specified Caster Amount: $1^\circ 30' \pm 1^\circ$

Specified Kingpin Angle: $9^\circ 30' \pm 1^\circ$



WRE91-MA051

- (4) Side slip test

Specified Value: 0 ± 3 mm

NOTE:

- For the alignment checks, turn the steering wheel until the reading of the turning radius gauge becomes 20 degrees at the right wheel or the left wheel, respectively.

GEAR BOX

Check of oil level of steering gear box
Check the steering gear box for oil level.

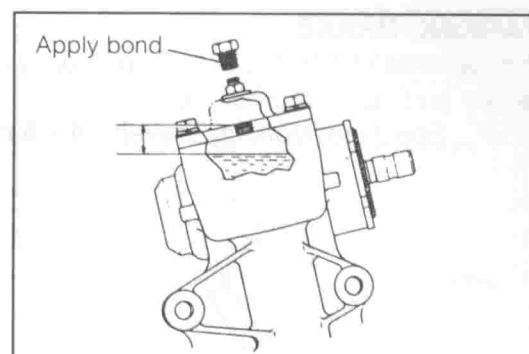
Specified Value: 13 - 23 mm

NOTE:

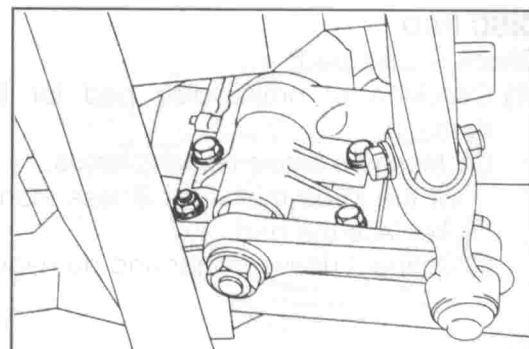
- Apply the following bond to the attaching bolt.
Bond: Daihatsu genuine sealer (999-0480-8U90-00)

Check of steering gear box tightness

Tightening Torque: 73.5 - 102.9 N·m
(7.5 - 10.5 kgf-m)



WRE91-MA052



WRE91-MA053

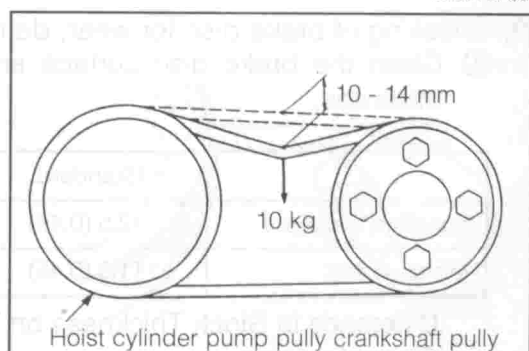
POWER STEERING

Check of damage.

Check of V-belt tension.

Check the belt tension by measuring the deflection amount of the V-belt.

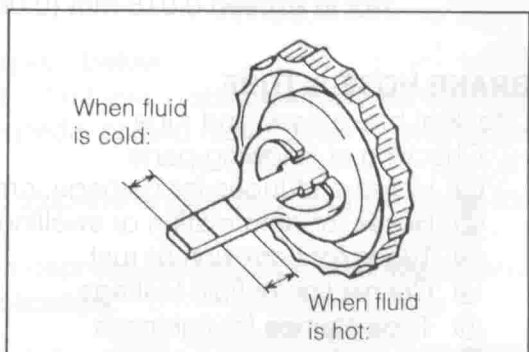
Specified Belt Deflection: 10 - 14 mm



WRE91-MA054

Power steering fluid

Checking of fluid level. If the fluid level is too low, add the fluid up to the full level.



WRE91-MA055

BRAKING SYSTEM

BRAKE PEDAL

Check of brake pedal and parking brake

(1) Pedal free travel check

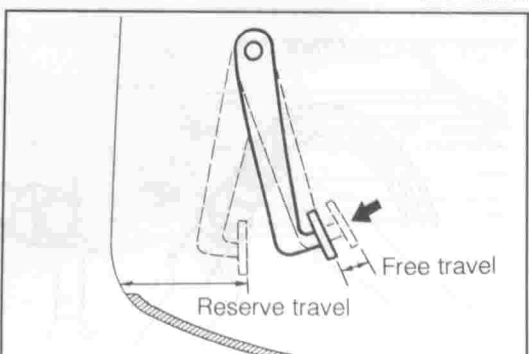
Pedal Free Play: 2 - 4 mm

(2) Pedal reserve travel check

Pedal Reserve Travel: More than 80 mm

NOTE:

- The brake pedal reserve travel should be measured from the body metal by rolling up the carpet and floor mat.



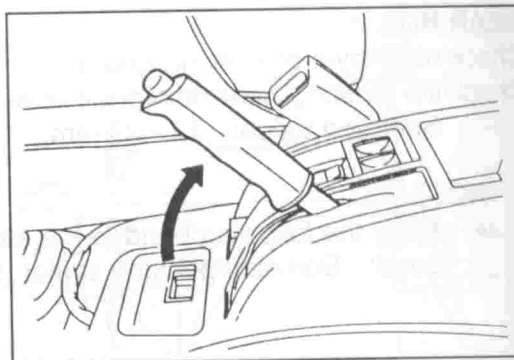
WRE91-MA056

MAINTENANCE

PARKING BRAKE

With a force of 245 N (25 kgf), pull up the parking brake lever slowly and count the notches.

Specified Working Travel: 4 - 6 notches



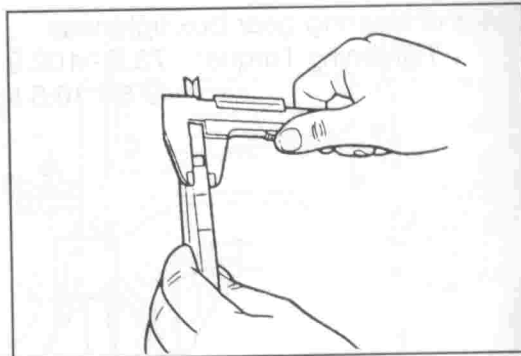
WRE91-MA057

DISC PAD

Check of disc pad

(1) Checking of brake disc pad for thickness, wear and damage

- ① Measure brake pad thickness.
If the pads thickness is less than 1.0 mm (0.04 inch), replace the pad.
- ② Inspect uneven wear and damage.

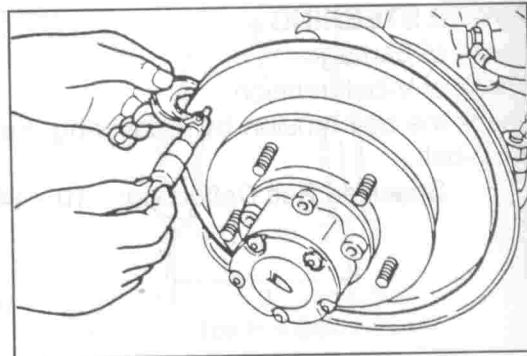


WRE91-MA058

(2) Checking of brake disc for wear, damage

- ① Clean the brake disc surface and measure the disc thickness.

	mm (inch)	
	Standard	Ventilation
Specified thickness	12.5 (0.49)	18.0 (0.71)
Minimum limit	11.5 (0.45)	17.0 (0.67)



WRE91-MA059

Difference in Stock Thickness on The Same Circumference:

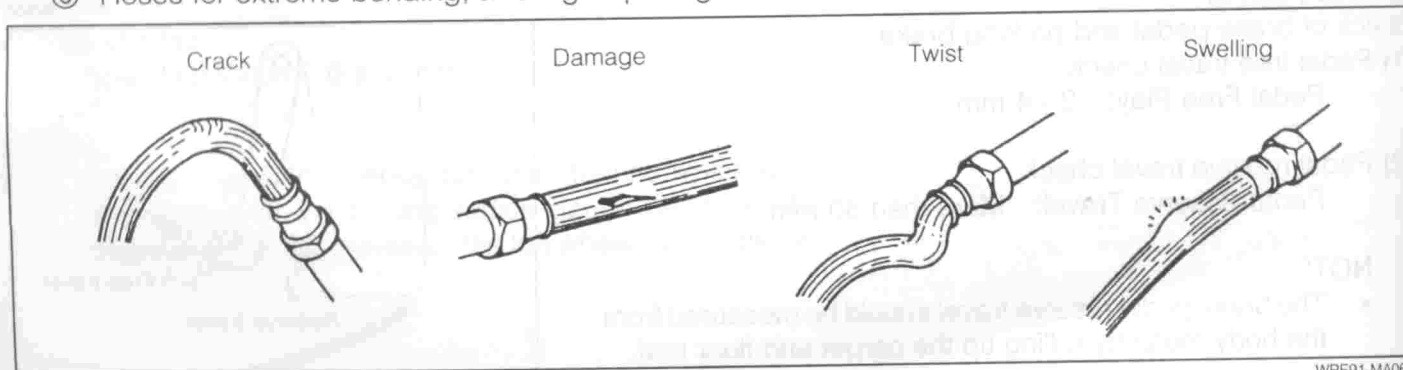
Not to exceed 0.015 mm (0.0006 inch)

BRAKE HOSE & TUBE

Check of brake hose and tube

Checking of following parts

- ① Hoses and tubes for damage, cracks
- ② Hoses for deformation or swelling
- ③ Tubes for corrosion or rust
- ④ Connection of fluid leakage
- ⑤ Tube clamps for tightness
- ⑥ Hoses for extreme bending, twisting or pulling

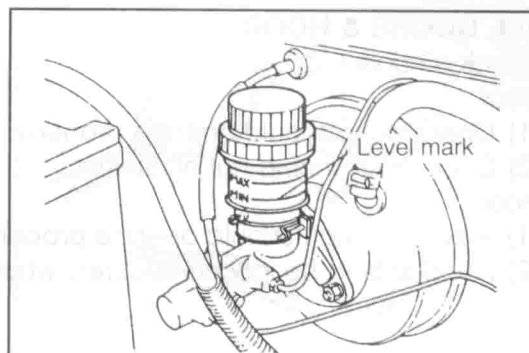


WRE91-MA060

BRAKE FLUID

Check of brake fluid

If the fluid level is below of the MIN line, check for leak in the hydraulic system and add fluid up to the MAX line.



WRE91-MA061

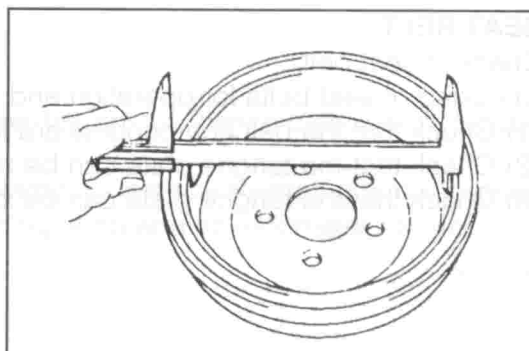
BRAKE DRUM & LINING

Check of brake drum and lining

- (1) Inspect the brake drum for damage, inner surface wear, scores, or uneven wear.

Specified Diameter: 254.0 mm (10.00 inch)

Allowable Limit: 256.0 mm (10.08 inch)

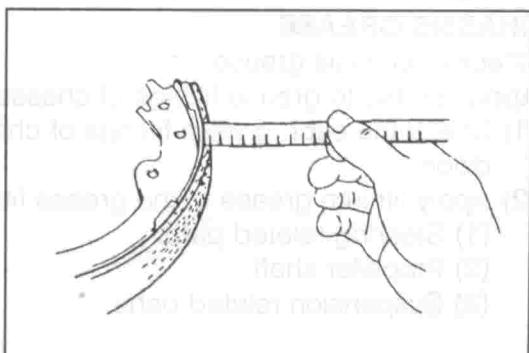


WRE91-MA062

- (2) Inspect the brake linings for wear.

Specified Value: 5.0 mm (0.197 inch)

Allowable Limit: 1.0 mm (0.0393 inch)



WRE91-MA063

BRAKE BOOSTER

Check the operation of the brake booster following the procedure given below.

- (1) With the engine stopped, depress the brake pedal several times. The travel distance should not change.
- (2) With the brake pedal slightly depressed, start the engine. The pedal should move down slightly when the engine starts.
- (3) Depress the brake pedal, stop the engine and hold the pedal, stop the engine and hold the pedal for about 30 seconds. The pedal should neither sink nor rise.
- (4) Restart the engine, run it for about a minute and turn it off. Then depress the brake pedal firmly several times. the pedal travel distance should decrease with each application.

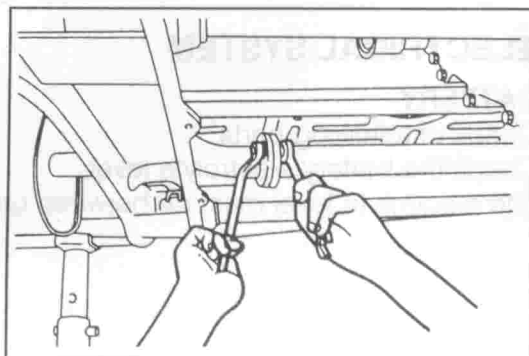
WRE91-MA064

CHASSIS & BODY

EXHAUST PIPE & MUFFLER

Check muffler, exhaust pipe, mountings

- (1) Checking of exhaust pipe for tightness.
- (2) Checking of muffler, exhaust pipe, mountings for damage.



WRE91-MA065

MAINTENANCE

ALL DOORS & HOOD

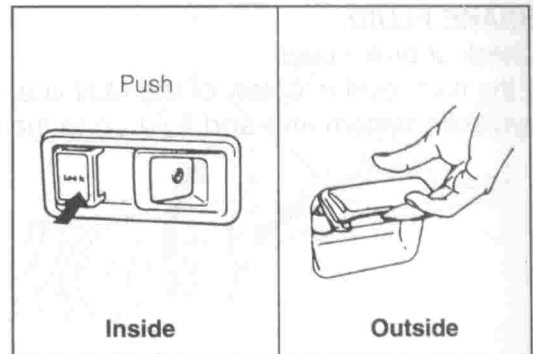
Check all doors, hood

Door

- (1) Doors locks should operate properly.
- (2) Door locks should not hit striker.

Hood

- (1) Auxiliary catch should operate properly.
- (2) Hood should be locked securely when closed.



WRE91-MA066

SEAT BELT

Check of seat belt

Checking of seat belts for operation and looseness

- (1) Check that the belt components are free from damage.
- (2) Check that the tongue plate can be released smoothly when the buckle button is pressed.
- (3) Check that the tongue plate can be locked securely when inserted into the buckle.

WRE91-MA067

CHASSIS GREASE

Check of chassis grease

Apply grease to grease fittings of chassis.

- (1) Check the each grease fittings of chassis for grease. condition.
- (2) Apply lithium grease to the grease fittings given bellow.
 - (1) Steering related parts
 - (2) Propeller shaft
 - (3) Suspension related parts

WRE91-MA068

Check of other bolts, nuts & wheel hub nuts

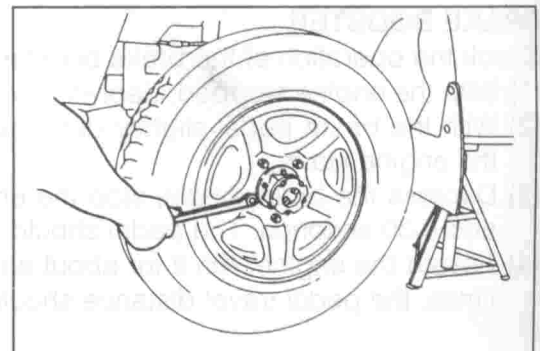
Retightening of bolts and nuts on chassis and body.

- (1) Front suspension parts
- (2) Power train parts
- (3) Rear suspension parts
- (4) Steering system parts

Check of wheel hub nuts

Retighten the hub nuts.

Tightening Torque: 88.3 - 117.7 N·m
(9.0 - 12.0 kgf-m, 65.1 - 88 ft-lb)



WRE91-MA069

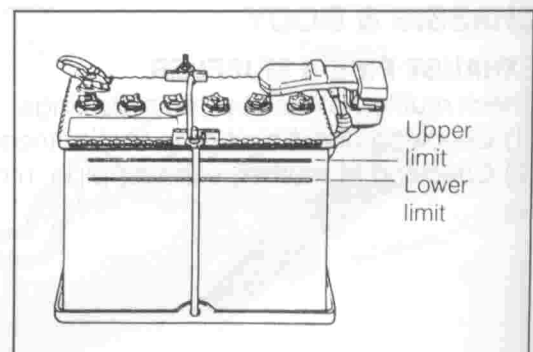
ELECTRICAL SYSTEM

BATTERY

Check of following parts

Check the battery electrolyte level.

The electrolyte level must be between upper and lower levels.



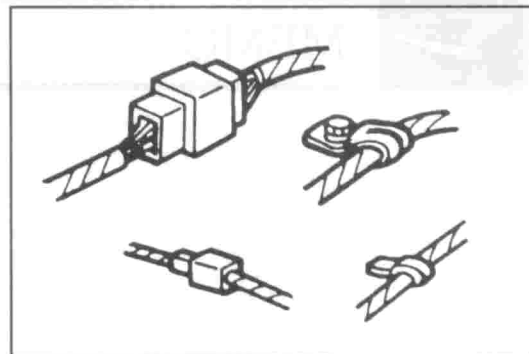
WRE91-MA070

WIRE HARNESS

Check of wire harness

Check of wire harness for damage

- (1) Check the wiring for damage or looseness.
- (2) Check each clamp and connection for looseness.



WRE91-MA071

LIGHTING SYSTEM METER & GAUGE

Check of lighting system, meter & gauges

Check of lighting system, meter & gauges for function

- (1) Check headlamps, turn signal lamps, stop lamps, back-up lamps, tail lamps, licence plate lamps, hazard warning lamps and meter illumination lamps for function.
- (2) Check fuel gauge, water temperature gauge, charge warning lamp, oil pressure warning lamp, parking brake warning lamp, stop lamp warning lamp, brake fluid warning lamp and speedometer for function.

WRE91-MA072