
MAINTENANCE

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MAINTENANCE ITEMS

Maintenance Schedule Table

The maintenance schedule table lists the vehicle maintenance items required to be performed. Please take your vehicle to a Chery authorized service station for maintenance service according to the mileage specified in the maintenance schedule table.

Maintenance Schedule Table (Note: I = Inspect, adjust and replace as necessary; R = Replace; C = Clean; L = Lubricate)

Maintenance Items	Mileages		
	Every 5000 km	Every 15000 km	Every 30000 km
Lights, hazard lights, horn: Check operation.	I	I	I
Windshield wiper and washer system: Check operation and add washer fluid if necessary.		I	I
Check clutch free travel: Adjust if necessary.		I	I
Cooling system: Check coolant level and lines. Add coolant if necessary.	I	I	I
Engine oil: Replace	R	R	R
Engine oil filter: Replace	R	R	R
Engine: Check for fluid leakage (engine oil, coolant, fuel, etc.).	I	I	I
Air conditioning system: Check for air conditioning line leakage and contaminated filter element. Add refrigerant and replace filter element if necessary.	I	I	I
Hood hinges and lock: Lubricate	L	L	L
Door hinges and door locks: Lubricate	L	L	L
Window glass regulator: Check that regulator works properly. Adjust or replace if necessary.	I	I	I
Air filter: Clean cover and filter element. Replace if necessary.	R	R	R
Spark plugs: Check spark plugs. Replace if necessary.		I	I
Fuel filter: Replace		R	R
Exhaust system: Check for air leakage and damage.		I	I
Drive belt: Check tension. Adjust or replace if necessary.		I	I
Transmission: Check for fluid leakage and damage.		I	I
Constant velocity universal joint boot: Check for damage of boot.		I	I
Steering tie rod end: Check for proper clearance and boot damage.	I	I	I
Steering universal joint assembly boot: Check for misalignment or damage.		I	I

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Maintenance Items	Mileages		
	Every 5000 km	Every 15000 km	Every 30000 km
Power steering system: Check power steering fluid level and whether clearance between steering gear and rack is proper.			
Brake system: Check brake fluid level and system for leakage and damage.			
Parking brake: Check stroke. Adjust if necessary.			
Brake lining: Check thickness of brake lining. Replace if necessary.			
Underbody protection layer: Visually check protection layer for damage.			
Seat belt: Check seat belts for damage.			
Toe-in and camber: Check and adjust if necessary.			
Ball pin: Check clearance of ball pin.			
Rear axle rubber bush: Check for damage.			
Engine oil pan set bolts: Check bolts for looseness. Tighten bolts to specified torque if necessary.			
Control arm rubber boot: Check for damage.			
Brake hoses: Check for aging or damage.			
Brake pipes: Check for damage, corrosion and check each connection for leakage.			
Fuel system connections: Check each connection for aging, damage, abnormal looseness or abrasion.			
Tires (including spare tire): Check tire tread depth and torque of wheel bolts. Adjust tire inflation pressure if necessary.			
Coupling bolts between chassis and vehicle body: Check torque of bolts. Tighten bolts to specified torque if necessary.			
Wheels: Check torque.			
Inspection while engine idling: Check if engine working condition, electronic injection parameter and emission are proper while idling.			
Test driving: Check if mechanisms function properly.			

HINT:

- It is recommended to replace the transmission oil every year or every 40000 km (whichever comes first).
- It is recommended to replace the brake fluid every 2 years or every 40000 km (whichever comes first).
- It is recommended to check the power steering fluid every 5000 km and replace it every 2 years or every 30000 km (whichever comes first).
- It is recommended to check the coolant every 5000 km. Add or replace it if necessary.
- It is recommended to rotate tires every 10000 km.
- It is recommended to check four-wheel alignment every 20000 km and adjust if necessary.
- It is recommended to clean the throttle valve body every 15000 km.

- It is recommended to check the air filter every 5000 km. Clean or replace the filter element if necessary.
- It is recommended to replace the timing belt every 40000 km.
- The battery is maintenance-free.

** CAUTION**

- Depending on different surrounding environment and road conditions, the replacing intervals may be shortened.

REPLACEMENT INSTRUCTION

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Replacement Item	See page
Wiper Blade Replacement	34-10
Air Filter Element Replacement	10-10
Fuel Filter Replacement	08-13
Engine Oil Replacement	13-11
Oil Filter Replacement	13-13
Transmission Oil Replacement	17-12
Power Steering Fluid Replacement	28-9
Coolant Replacement	12-14
Brake Fluid Replacement	25-13
Electronic Throttle Replacement	10-12
Electronic Throttle Cleaning	10-12
Spark Plug Replacement	14-12

ADJUSTMENT ITEM

Adjustment Item	See page
Front Combination Light Adjustment	33-67

INSPECTION ITEMS

Off-vehicle Inspection

1. Check the wheel nut.
 - a. Check the wheel nuts for looseness or missing. Tighten them if necessary.
2. Check the wheel and tire (spare tire included) ([See page 23-6](#)).
3. Rotate the tires.
 - a. Chery recommends you to rotate the tires every 10000 km. However, the best suitable time for tire rotation differs depending on driver's driving habits and road conditions.
Tire rotation method ([See page 23-13](#)).
4. Check the wiper blade ([See page 34-10](#)).
5. Check the hood and door.
 - a. Check the hood assembly ([See page 45-9](#)).
 - b. Check the front doors ([See page 45-23](#)).
 - c. Check the rear doors ([See page 45-37](#)).
 - d. Check the luggage compartment door ([See page 45-46](#)).

On-vehicle Inspection

1. Check the seat belt.

a. Check the seat belt buckle and retractor.

- Pull out the seat belt quickly and repeatedly when the seat belt is static. If the seat belt retractor cannot lock the seat belt at one time, replace the seat belt assembly.
- Engage the tab on the seat belt buckle, and pull the seat belt by hand repeatedly to check the engagement. If the buckle cannot lock the seat belt at one time, replace the seat belt assembly.

WARNING

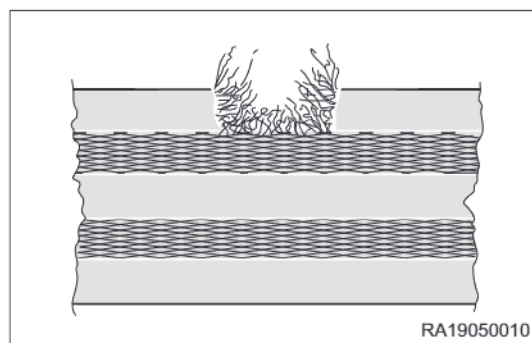
- When inspecting the vehicle that has been involved in a collision, be sure to check the seat belt system. If there is any damage or malfunction in the seat belt system, replace it.

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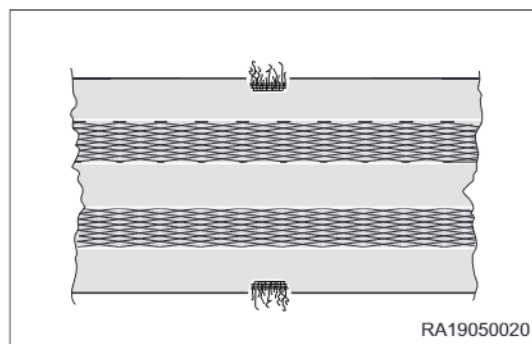
b. Pull out the seat belt and check the belt for oil stains or damage. Clean or replace it if necessary.

c. Replace the seat belt as soon as possible if any of the following occurs.

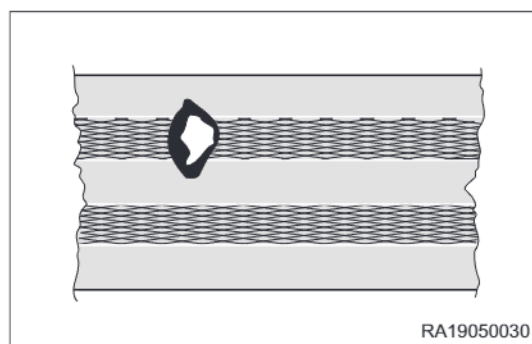
- The seat belt is broken, cracked or worn.



- The seat belt webbing is cracked.



- There is burnt mark by cigarette on the seat belt.



2. Check the horn.

a. Check that the horn operates.

3. Check the vehicle lights.
 - a. Check that the headlights, brake lights, taillights, turn signal lights and other vehicle lights illuminate or blink. Furthermore, check the brightness of vehicle lights.
4. Check the windshield.
 - a. Check for scratch, dent or wear.
5. Check the windshield wiper and washer.
 - a. Check that the washers are aimed properly. Also, check that the washer fluid hits the center of the operating range of each wiper on the windshield.
 - b. Check the wiper blades for cracks. Replace the wiper blades if necessary ([See page 34-10](#)).
6. Check the windshield defroster.
 - a. When the air conditioning defroster mode switch is pressed, check that the air comes out of the defroster outlets.
 - b. Press the rear defroster switch for a period of time, then check that the rear windshield heats.

WARNING

- DO NOT touch the heated rear windshield for a long time to prevent burns.

7. Check the rear view mirror.
 - a. Check that the rear view mirrors are securely installed.
8. Check the sun visor.
 - a. Check that the sun visors are securely installed and move freely.
9. Check the seat.
 - a. Check the front seat assembly ([See page 44-7](#)).
 - b. Check the rear seat assembly ([See page 44-14](#)).
10. Check the clutch pedal ([See page 18-9](#)).
11. Check the accelerator pedal.
 - a. Check that the accelerator pedal operates smoothly. Check that the pedal does not have uneven resistance or stick in certain position.

Engine Inspection

1. Check the engine oil level ([See page 13-9](#)).
2. Check the engine drive belt ([See page 07-21](#)).
3. Check the engine for oil leakage.
 - a. Turn off all the electrical equipment and ignition switch, and remove the key.
 - b. Support and raise the vehicle.
 - c. Check the crankshaft pulley for oil stains. If there are oil stains, check the crankshaft front oil seal for leakage. If there are leaks, replace the crankshaft front oil seal.
 - d. Check the oil pan and drain plug for oil stains. Repair or replace the related parts if necessary.
 - e. Check the transmission filler plug, drain plug and case for oil stains. Repair or replace the related parts if necessary.
 - f. If the crankshaft front oil seal leaks after repair, it may be caused by the following 3 reasons:
 - Crankshaft thrust washer wear
 - Crankcase ventilation system blockage
 - Excessive engine oil
4. Check the battery.
 - a. Check the battery and battery voltage ([See page 16-7](#)).
 - b. Check the charging voltage of charging system ([See page 16-6](#)).
5. Check the cooling system hose.
 - a. Check that there are no cracks, bent, corrosion or loose connections on the cooling system hose.

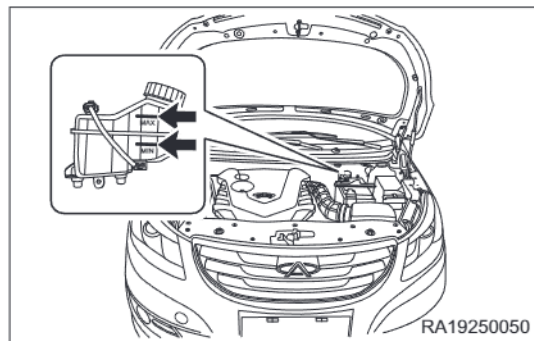
Brake System Inspection

1. Check the brake fluid level.

CAUTION

- Generally, the brake fluid level will change slightly because of the wear of brake pad, but it must be kept between "MIN" and "MAX" lines.

- a. Park the vehicle on a level ground.
- b. Make sure that there is no air in the brake system and the depressing feel of brake pedal is well. Perform brake bleeding procedures if necessary ([See page 25-12](#)).
- c. Check if the brake fluid level is between "MAX" and "MIN" lines.
- d. If the brake fluid level drops to the "MIN" line or below, add brake fluid and check the brake system for leakage.



HINT:

- When the brake fluid level drops close to the "MIN" line, the wear of brake pad may approach its limit.
- After the brake pad is replaced, the brake fluid level should be at the upper limit between MAX and "MIN" lines.

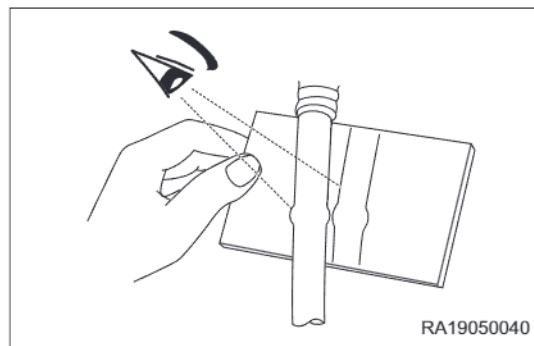
2. Check the brake pedal assembly ([See page 25-22](#)).
3. Check the brake lines and hoses.

HINT:

Work in a well-lighted area. Turn the front wheels fully to the right or left before beginning the inspection.

- a. As shown in the illustration, check the entire circumferential surface of the brake lines and hoses with a mirror. Check for the following conditions:

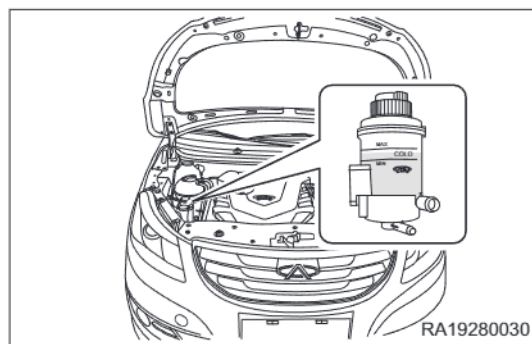
- Damage
- Wear
- Deformation
- Crack
- Corrosion
- Leakage
- Bent
- Twists



- b. Check all the clamps for tightness and check the connections for leakage.
 - c. Check that the hoses and lines are not near sharp edges, moving parts or the exhaust system.
4. Check the parking brake.
 - a. Check that the parking brake can stop the vehicle steadily on a slight grade.
 5. Check the front disc brake assembly ([See page 25-26](#)).
 6. Check the rear drum brake assembly ([See page 25-39](#)).

Power Steering System Inspection

1. Check the steering wheel free play ([See page 27-7](#)).
2. Check the steering wheel centering/returnability ([See page 27-8](#)).
3. Check the power steering fluid level.
 - a. Park the vehicle on a level ground.
 - b. Start the engine. With the engine running, turn the steering wheel left or right to the maximum stroke and repeat the operation several times.
 - c. Check if the fluid in the steering fluid reservoir is foamed or emulsified. Perform bleeding procedures if necessary.
 - d. If the fluid is normal, check if the steering fluid level is between "MIN" and "MAX" lines.
 - e. If the fluid level is above the "MAX" line, drain the excessive steering fluid. If the fluid level is below the "MIN" line, add steering fluid to the proper level, and check the power steering system for leakage.



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4. Remove the ball pin assembly ([See page 28-20](#)).
5. Check the steering tie rod assembly and tie rod boot ([See page 28-22](#)).
6. Check the power steering system for leakage.

CAUTION

- Generally, the leakage of power steering system commonly occurs on the high pressure line.

- a. Turn off all the electrical equipment and ignition switch, and remove the key.
- b. Support and raise the vehicle.
- c. Check the power steering system.

If power steering fluid is found on the steering system lines or other components, check the steering system for leakage. Replace the related parts if necessary.

Components to be checked mainly include:

- Power steering pump assembly
- Steering fluid reservoir assembly
- Steering gear assembly
- Steering gear high pressure line
- Steering gear return line
- Steering gear suction line

Chassis Inspection

1. Check the front axle hub ([See page 21-15](#)).
2. Check the control arm and control arm ball pin ([See page 21-10](#)).
3. Check the rear axle hub ([See page 21-19](#)).
4. Check the stabilizer bar assembly and stabilizer bar assembly rubber support and bush ([See page 22-25](#)).
5. Check the rear coil spring ([See page 22-38](#)).
6. Check the rear shaft support rod assembly.
7. Check the rear trailing arm assembly.
8. Check the exhaust pipe.
 - a. Visually check the pipes, hanger blocks and connections for corrosion, leakage or damage.

