
MAINTENANCE

MAINTENANCE ITEMS	05-3	On-vehicle Inspection	05-8
Maintenance Schedule Table	05-3	Engine Compartment Inspection	05-10
REPLACEMENT INSTRUCTION	05-6	Brake System Inspection	05-10
ADJUSTMENT ITEM	05-7	Power Steering System Inspection	05-11
INSPECTION ITEMS	05-8	Chassis Inspection	05-12
Off-vehicle Inspection	05-8	Final Inspection	05-13

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. 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
Sunroof: Check operation of sunroof.	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

05



Maintenance Items	Mileages		
	Every 5000 km	Every 15000 km	Every 30000 km
Steering universal joint assembly boot: Check for misalignment or damage.			
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.			

1. For CVT model, it is recommended to replace the transmission oil every 40000 km.
2. For MT model, it is recommended to replace the transmission oil every year or every 30000 km (whichever comes first).
3. It is recommended to replace the brake fluid every 2 years or every 40000 km (whichever comes first).
4. It is recommended to check the power steering fluid every 10000 km and replace every 2 years or every 30000 km (whichever comes first).

5. It is recommended to check the coolant every 10000 km. Add or replace if necessary.
6. It is recommended to rotate tires every 10000 km.
7. It is recommended to check four-wheel alignment every 20000 km and adjust if necessary.
8. It is recommended to clean the throttle valve body every 15000 km.
9. It is recommended to check the air filter every 5000 km. Clean or replace the filter element if necessary.
10. It is recommended to replace the timing belt every 40000 km.
11. The battery is maintenance-free.

** CAUTION**

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

REPLACEMENT INSTRUCTION

05

Replacement Item	See page
Front Wiper Arm Blade Replacement	36-24
Rear Wiper Arm Blade Replacement	36-31
Air Filter Element Replacement	10-14
Fuel Filter Replacement	08-12
Engine Oil Replacement	13-11
Oil Filter Replacement	13-13
Transmission Oil Replacement	17-14
Automatic Transmission Fluid (ATF) Replacement	18-110
Power Steering Fluid Replacement	29-7
Coolant Replacement	12-13
Brake Fluid Replacement	26-13
Electronic Throttle Replacement	10-20
Electronic Throttle Cleaning	10-22
Spark Plug Replacement	14-12
A/C Element Replacement	31-72

ADJUSTMENT ITEM

Adjustment Item	See page
Front Combination Light Adjustment	35-70

INSPECTION ITEMS

Off-vehicle Inspection

1. Check the wheel nut.
 - a. Check wheel nuts for looseness or missing. Tighten if necessary.
2. Check the wheel and tire (spare tire included) (See page 24-5).
3. Rotate tires.
 - a. Chery recommends you to rotate 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 24-11).
4. Check the front wiper blade (See page 36-24).
5. Check the rear wiper blade (See page 36-31).
6. Check the hood and door.
 - a. Check the hood (See page 47-15).
 - b. Check the front doors (See page 47-35).
 - c. Check the rear doors (See page 47-46).
 - d. Check the back door (See page 47-55).

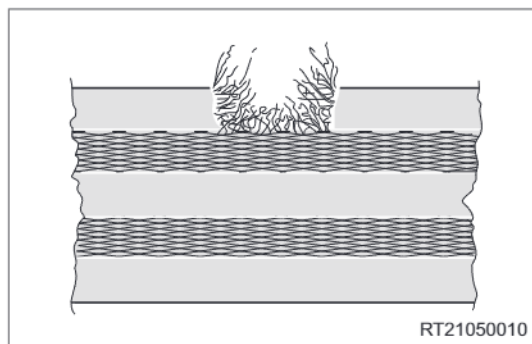
On-vehicle Inspection

1. Check the seat belt.
 - a. Check the seat belt buckle and retractor.
 - Pull out the seat belt quickly and repeatedly when it is static. If seat belt retractor cannot lock the seat belt at one time during inspection, 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 buckle cannot lock the seat belt at one time, replace the seat belt assembly.

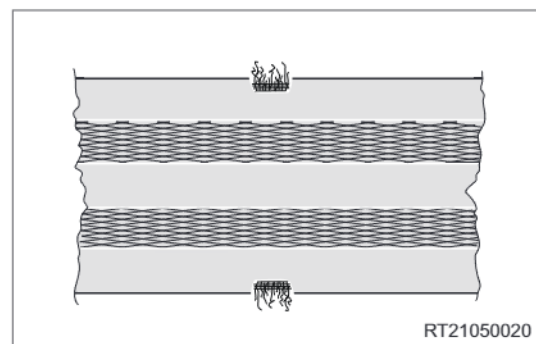
WARNING

- 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.

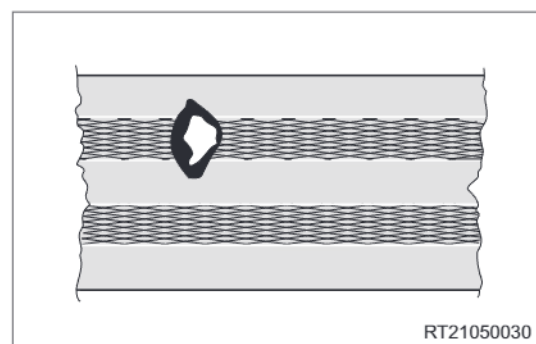
- b. Pull out the seat belt and check the belt for oil stains or damage. Clean or replace if necessary.
- c. Replace the seat belt as soon as possible if any of the following occurs.
 - Seat belt is broken, cracked or worn.



- Seat belt webbing is cracked.



- There is burnt mark by cigarette on seat belt.



05

2. Check the horn.
 - a. Check that horn operates.
3. Check the vehicle lights.
 - a. Check that headlights, brake lights, rear combination lights, 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 wipers and washers.
 - a. Check that washers are aimed properly. Also, check that washer fluid hits the center of operating range of each wiper on the windshield.
 - b. Check wiper blades for cracks. Replace the wiper blades if necessary ([See page 36-24](#)).
6. Check the windshield defroster.
 - a. When the air conditioning defroster mode switch is pressed, check that air comes out of defroster outlets.
 - b. Press the rear defroster switch for a period of time, then check that 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 rear view mirrors are securely installed.
8. Check the sun visor.
 - a. Check that sun visors are securely installed and move freely.
9. Check the seat.
 - a. Check the front seat assembly ([See page 46-22](#)).
 - b. Check the rear seat assembly ([See page 46-34](#)).

10. Check the clutch pedal ([See page 19-9](#)).

11. Check the accelerator pedal.

- a. Check that accelerator pedal operates smoothly. Check that pedal does not have uneven resistance or stick in certain position.

Engine Compartment Inspection

1. Check the engine oil level ([See page 13-9](#)).

2. Check the accessory drive belt ([See page 07-24](#)).

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 crankshaft front oil seal for leakage. If there are leaks, replace the crankshaft front oil seal.
- d. Check oil pan and drain plug for oil stains. Repair or replace related parts if necessary.
- e. Check transmission filler plug, drain plug and case for oil stains. Repair or replace related parts if necessary.
- f. If 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 hoses.

- a. Check that there are no cracks, bent, corrosion or loose connections on the cooling system hoses.

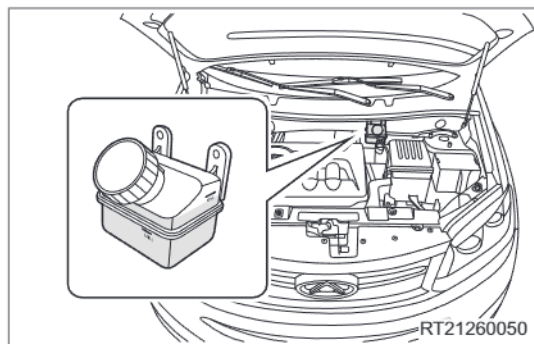
Brake System Inspection

1. Check the brake fluid level.

CAUTION

- Generally, brake fluid level will change slightly because of 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 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 26-12](#)).
- c. Check if brake fluid level is between "MAX" and "MIN" lines.
- d. If brake fluid level drops to the "MIN" line or below, add brake fluid and check brake system for leakage.



HINT:

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

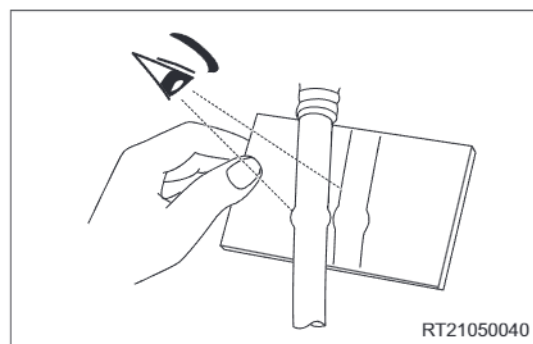
2. Check the brake pedal ([See page 26-23](#)).
3. Check the brake lines and hoses.

HINT:

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



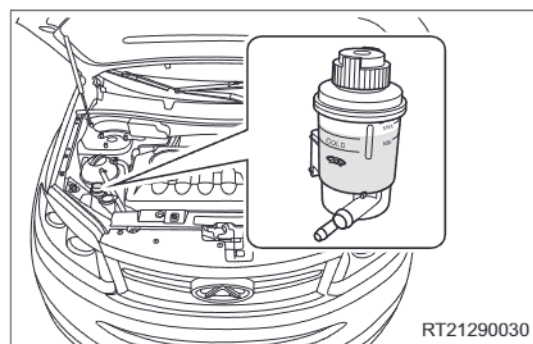
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- b. Check all clamps for tightness and check the connections for leakage.
- c. Check that hoses and lines are not near the sharp edges, moving parts or exhaust system.

4. Check the parking brake.
 - a. Check that parking brake can stop the vehicle steadily on a slight grade.
5. Check the front disc brake assembly ([See page 26-32](#)).
6. Check the rear disc brake assembly ([See page 26-45](#)).

Power Steering System Inspection

1. Check the steering wheel free play ([See page 28-9](#)).
2. Check the steering wheel centering/returnability ([See page 28-9](#)).
3. Check the power steering fluid level (equipped with hydraulic assist steering).
 - a. Park the vehicle on a level ground.
 - b. Start the engine. When engine is running, turn the steering wheel left or right to the maximum stroke and repeat the operation several times.
 - c. Check if fluid in the steering fluid reservoir is foamed or emulsified. Perform bleeding procedures if necessary.
 - d. If fluid is normal, check if the steering fluid level is between "MIN" and "MAX" lines.
 - e. If fluid level is above the "MAX" line, drain the excessive steering fluid. If fluid level is below the "MIN" line, add steering fluid to correct level, and check power steering system for leakage.



4. Check the ball pin assembly (equipped with hydraulic assist steering) ([See page 29-19](#)).
5. Check the ball pin assembly (equipped with electronic assist steering) ([See page 30-22](#)).

6. Check the steering tie rod assembly and tie rod boot (equipped with hydraulic assist steering) ([See page 29-21](#)).
7. Check the steering tie rod assembly and tie rod boot (equipped with electronic assist steering) ([See page 30-23](#)).
8. Check power steering system for leakage (equipped with hydraulic assist steering).

CAUTION

- Generally, leakage from hydraulic assist steering system commonly occurs on the high pressure line.

05

- 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 steering system for leakage. Replace 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 shock absorber assembly ([See page 23-13](#)).
2. Check the front control arm ball pin assembly ([See page 23-23](#)).
3. Check the front stabilizer bar assembly ([See page 23-26](#)).
4. Check the front stabilizer link assembly ([See page 23-27](#)).
5. Check the rear shock absorber assembly ([See page 23-32](#)).
6. Check the rear coil spring ([See page 23-36](#)).
7. Check the rear stabilizer bar assembly ([See page 23-44](#)).
8. Check the rear stabilizer link assembly ([See page 23-45](#)).
9. Check the exhaust pipe.
 - a. Visually check the pipes, hanger blocks and connections for corrosion, leakage or damage.

Final Inspection

1. Check the operation of body parts.
 - a. Hood
 - Hydraulic tappet of engine hood operates properly.
 - Hood locks securely when closed.
2. Front and rear doors
 - Door locks operate properly.
 - Doors close properly.
3. Back door
 - Door lock operates properly.
 - Back door closes properly.
4. Seat
 - Seat adjusts easily and locks securely in any position.
 - Front seatback locks securely in any position.
 - Rear seatbacks lock securely after folding down.
5. Be sure to deliver a clean vehicle. Focus on the following items:
 - Steering wheel
 - Shift lever knob
 - All switch knobs
 - Door handles
 - Seat

