

Repair and maintenance

In order to maintain safe and economical driving, routine periodic inspection and maintenance should be carried out in accordance with the recommended items in this chapter. To guarantee your vehicle's optimal performance, safety, and longevity, we strongly recommend utilizing our Leading Global Automobiles Authorized Workshops for all repair and maintenance needs. Our expert technicians possess specialized knowledge and utilize genuine parts and approved lubricants, ensuring the highest quality service. Please be aware that servicing your vehicle outside of our authorized network may invalidate your vehicle's warranty.

Maintenance schedule

In order to ensure the safety and economy of driving, Leading Global automobiles service station shall be entrusted to carry out regular inspection and maintenance according to the maintenance schedule.

Maintenance operation

I: Inspect, clean, repair or replace as necessary

A: Adjust

R: Replace

T: Tighten according to the specified torque

L: Lubricate

Driving in harsh conditions requires more frequent maintenance. Refer to “Periodic Maintenance Schedule under Severe Driving Conditions”.

Maintenance Schedule

According to odometer reading or month count (Whichever comes first)

Maintenance Interval: x1,000 km	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	Maintenance period or number of months
Engine																						
*Engine Oil	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	every 3 months
*Oil Filter Element	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	R	-	every 3 months
*Fuel Filter	-	I	-	R	-	I	-	R	-	I	-	R	-	I	-	R	-	I	-	R	-	every 6 months
*Air filter element	-	I	-	R	-	I	-	R	-	I	-	R	-	I	-	R	-	I	-	R	-	every 6 months
Idle/Acceleration function	-	-	-	I	-	-	-	I	-	-	-	I	-	-	-	I	-	-	-	I	-	every 12 months
Valve Clearance	-	I	-	-	-	-	-	A	-	-	-	-	-	-	-	A	-	-	-	-	-	every 24 months
Loose/Damaged fuel line Connection	-	I	-	-	-	-	-	I	-	-	-	-	-	-	-	I	-	-	-	-	-	every 24 months
Fan belt tension/damage	-	I	-	I	-	-	-	I	-	-	-	I	-	-	-	I	-	-	-	I	-	every 6 months
Radiator coolant	-	-	-	-	-	-	-	R	-	-	-	-	-	-	-	R	-	-	-	-	-	every 24 months
*Exhaust pipe connection is loose/damaged	-	-	-	I	-	-	-	I	-	-	-	I	-	-	-	I	-	-	-	I	-	every 12 months
Cooling System	-	-	-	I	-	-	-	I	-	-	-	I	-	-	-	I	-	-	-	I	-	every 12 months
Engine Working Condition	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	every 6 months
Post-processing surrounding wiring harness and wire clamp status	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	every 6 months

Maintenance Schedule

According to odometer reading or month count (Whichever comes first)

Maintenance Interval: x1,000 km	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	Maintenance period or number of months
Clutch																						
Clutch fluid	-	I	-	I	-	I	-	R	-	I	-	I	-	I	-	R	-	I	-	I	-	every 24 months
Clutch pedal travel and free travel	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	every 3 months
Transmission																						
*Manual Transmission oil	-	I	-	I	-	I	-	R	-	I	-	I	-	I	-	R	-	I	-	I	-	every 24 months
Gear control cable	-	-	-	A	-	-	-	A	-	-	-	A	-	-	-	A	-	-	-	A	-	every 12 months
Transmission shaft																						
*Universal joint and sliding sleeve	-	-	-	L	-	-	-	L	-	-	-	L	-	-	-	L	-	-	-	L	-	every 12 months
Looseness of connecting parts	-	-	-	I	-	I	-	L	-	I	-	-	-	L	-	I	-	I	-	L	-	every 6 months
Intermediate Bearing	-	-	-	L	-	-	-	L	-	-	-	L	-	-	-	L	-	-	-	L	-	every 12 months
Rear axle																						
*Differential Oil	-	I	-	I	-	I	-	R	-	I	-	I	-	I	-	R	-	I	-	I	-	every 12 months
Front axle																						
Steering Kingpin	-	L	-	L	-	L	-	L	-	L	-	L	-	L	-	L	-	L	-	L	-	every 6 months

Maintenance Schedule

According to odometer reading or month count (Whichever comes first)

Maintenance Interval: x1,000 km	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	Maintenance period or number of months	
Steering system																							
Oil leakage in the power steering system	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-		every 6 months
Power steering fluid	-	-	-	-	-	-	-	R	-	-	-	-	-	-	-	R	-	-	-	-	-		every 24 months
Steering mechanism loose or damaged	-	-	-	-	-	-	-	I	-	-	-	-	-	-	-	I	-	-	-	-	-		every 24 months
Steering wheel play	-	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I		every 3 months
Steering function	-	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I		every 3 months
Wheel alignment	-	-	-	-	-	-	-	A	-	-	-	-	-	-	-	A	-	-	-	-	-		every 24 months
Power steering output hose	-	I	I	-	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-		every 6 months
Braking System																							
Brake fluid	-	I	-	I	-	I	-	R	-	I	-	I	-	I	-	R	-	I	-	I	-		every 24 months
*Wear of friction linings and brake drums	-	I	I	-	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-		every 12 months
Wear of friction pads and brake discs	-	I	I	-	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-		every 12 months
Brake pedal travel and free travel	-	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I		every 3 months
Brake pipe loose or damaged	-	I	I	-	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-		every 6 months
Parking brake function	-	I	I	-	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-		every 6 months

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According to odometer reading or month count (Whichever comes first)

Maintenance Interval: x1,000 km	1	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	Maintenance period or number of months
Suspension device																						
Damage of leaf springs	-	I	I	-	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	every 6 months
Oil leakage from shock absorber	-	I	I	-	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	every 6 months
Wheel																						
Wheel bolts/nuts	T	T	-	T	-	T	-	T	-	T	-	T	-	T	-	T	-	T	-	T	-	every 12 months
Tire air pressure and damage	I	I	I	-	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	every 6 months
Rims	-	-	-	I	-	-	-	I	-	-	-	I	-	-	-	I	-	-	-	I	-	every 12 months
Wheel bearing lubricant	-	-	-	-	-	-	-	R	-	-	-	-	-	-	-	R	-	-	-	-	-	every 24 months
Electrical Components																						
Battery electrolyte level	I	I	I	-	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	every 6 months
Lights, horn, wipers, washers, AC unit	I	I	I	-	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	every 6 months
Others																						
Frame/body bolts and nuts	I	I	I	-	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	I	-	every 12 months
Fuel pipes	-	I	-	I	-	I	-	R	-	I	-	I	-	I	-	R	-	I	-	I	-	every 12 months

Regular maintenance schedule under severe driving conditions

A: Frequent short trips

B: Driving on rough roads

C: Driving on dusty roads

D: Driving on roads in cold weather or salt

Item	Period	Condition			
		A	B	C	A + D
Engine oil	Replace every 5,000 km			•	
Engine oil filter	Replace every 5,000 km			•	•
Air filter element	Replace every 20,000 km			•	
Inspect steering system for loose or damaged parts	Check every 5,000 km		•		
Grease for universal joints and sliding sleeves	Replace every 10,000 km		•		
Manual transmission and rear axle oil	Replace every 20,000 km		•		
Wear of brake linings and drums	Check every 5,000 km	•	•	•	
Wear of disc brake linings and discs	Check every 5,000 km	•	•	•	

Recommended grades of lubricating greases and fluids

In order to make your vehicle to get the highest performance and the longest service life, it is extremely important to choose the right lubricating grease and oil. Regular maintenance intervals have been based on the use of recommended greases and oils as shown in the table below as a guide to the selection of appropriate grades of lubricants. Leading Global Automobiles offer you the most suitable lubricants to lower your operation costs and maximize your vehicle performance.

Component	Recommended lubricant
Engine	Above-20°C: API CJ-4 10W-40 Below-20°C: ACEA E6 5W-30
Transmission	Above-20°C: API CD-4 SAE 15W-40 Below-20°C: API CD-4 SAE 5W-30
Rear axle	API GL-5, SAE 85W-90 or 85W-140 (Based on ambient temperature)
Power steering	DEXRON II E
Hydraulic brake and clutch	SAE J1703, FMVSS116 DOT4
Radiators and backup tanks	50% Ethylene glycol based antifreeze
Hub bearing	Wheel bearing grease or multipurpose grease NLGI 2 or 3
Grease fittings in the transmission system	Multipurpose grease NLGI 1 or 3
Diesel fuel	Above 3°C: 0 diesel fuel -7°C to 3°C: -10 diesel fuel -17°C to -7°C : -20 diesel fuel -30°C to -17°C : -35 diesel fuel
Diesel exhaust fluid (Adblue)	GB29518, ISO 22241, AUS32 32.5% high purity urea +67.5% deionized water
AC refrigerant	HFC-134a

API: American Petroleum Institute
SAE: Society of Automotive Engineers
GB: Chinese National Standard

FMVSS: Federal Motor Vehicle Safety Standards
NLGI: National Lubrication Grease Institute