

**MAINTENANCE SCHEDULE - EUROPE 15,000 km/9,000 miles**

**MAINTENANCE OPERATIONS**

I: Inspect and correct or replace as necessary.  
R: Replace or change or lubricate. F: Fill

**GASOLINE ENGINE**

SERVICE INTERVALS: Odometer reading or months, whichever comes first		ODOMETER READING												Months ( ) : for reference	Starting Year/Month of Production	Model Code	Engine Code							
× 1,000 km		1	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5					90						
MAINTENANCE ITEMS		× 1,000 miles		1	4.5	9	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	LC120 1GR-FE (4.0 V6)  GRJ120/GRJ125							
Timing Belt		Replace every 150,000 km (90,000 miles)												—										
Valve Clearance (Sensory Inspection)*1														*I (Every 72 months)										
Drive belt		V-ribbed belt		Inspect 105,000 km (63,000 miles), after 105,000 km Inspect every 15,000 km (9,000 miles)												Initial: 72 and then every 12 months								
Engine oil (API: SH, SJ) (ILSAC)		Normal		R		R		R		R		R		R		Every 12 months								
		Severe		R R		R R R		R R R		R R R		R R R		R R R		Every 6 months								
Engine oil (API: SJ, SL) (ILSAC)		Normal		R		R		R		R		R		R		Every 12 months								
		Severe		R R		R R R		R R R		R R R		R R R		R R R		Every 6 months								
Engine oil (API: SL, SM) (ILSAC)		5W-30 (preferred) 10W-30, 15W-40, 20W-50		Normal		R		R		R		R		R		Every 12 months								
		0W-20 (preferred) 5W-30, 10W-30, 15W-40, 20W-50		Severe		R R		R R R		R R R		R R R		R R R		Every 6 months								
Engine oil filter		Normal		R		R		R		R		R		R		Every 12 months								
		Severe		R R		R R R		R R R		R R R		R R R		R R R		Every 6 months								
Cooling and heater system *2														I										
Engine coolant		LLC (red/green) *3														R	R	Initial: 36 months						
		S-LLC (pink) *4														I	I							
														First replace at 150,000 km (90,000 miles); after, every 90,000 km (54,000 miles)										
Inverter coolant		S-LLC (pink) *4														I	I							
														First replace at 150,000 km (90,000 miles); after, every 90,000 km (54,000 miles)										
														First replace at 240,000 km (150,000 miles); after, every 90,000 km (54,000 miles)										
Exhaust pipes and mountings														I	I	Every 24 months								
Spark plugs		Platinum or Iridium Tipped type														Replace every 90,000 km (54,000 miles)				—				
		Others														I	R	I: Every 24 months R: Every 48 months						
Battery														No maintenance				—						
Fuel filter (Aygo only)														Replace every 180,000 km (108,000 miles)				15 years						
Fuel injection system *6														F	F	F	F	F	F	—				
														Fill every 105,000 km				—						
Air cleaner filter (from October 2002, applicable to all models in production)		Normal		I		I		I		R		I		I		I: Every 24 months R: Every 48 months								
		Dusty road		I I		I I I		I I R		I I I		I		I: Every 12 months R: Every 48 months										
Air cleaner filter		Normal		I		I		R		I		I		R	I: Every 24 months R: Every 48 months									
		Dusty road														Inspect every 2,500 km (1,500 miles) and replace every 45,000 km (27,000 miles) or 48 months.				—				
Fuel tank cap, fuel lines, connections and fuel vapor control valve														I	I	Every 24 months								
Charcoal canister		*5														I	I	—						
		Others														I	I	Every 24 months						
		Aygo only		Normal														I	I	—				
		Severe														I	I	Every 24 months						
Charcoal canister filter		Aygo only		Normal														R	R	—				
		Severe														R	R	Every 24 months						

\*1: Check for tappet noise and engine vibration and adjust if necessary.

\*2: Check that the radiator and condenser are not blocked with leaves, dirt or insects; check radiator fins; check hoses and connections for correct installation, corrosion etc.; clean if necessary

\*3: After 60,000 km (36,000 miles) or 36 months, replace every 30,000 km (18,000 miles) or 24 months.

\*4: Only use "Toyota Super-Long Life Coolant" or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrate and non-borate coolant with long-life hybrid organic acid technology (coolant with long-life hybrid organic acid technology is a combination of low phosphates and organic acids)

\*5: For Sweden, Norway and Finland only.

\*6: Use Toyota Genuine Fuel Injector Cleaner (08813-00820) or equivalent

**MAINTENANCE SCHEDULE - EUROPE 15,000 km/9,000 miles**

**MAINTENANCE OPERATIONS**

I: Inspect and correct or replace as necessary.  
 R: Replace or change or lubricate.  
 S: Special C: Clean

**DIESEL ENGINE**

SERVICE INTERVALS:		ODOMETER READING												Months ( ) : for reference	Starting Year/Month of Production	Model Code	Engine Code	LC120 1KD-FTV (3.0 D-4D)	KDJ12#	02/08	03/11	05/08	06/08 Minor Change		
Odometer reading or months, whichever comes first		1	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5											90	
MAINTENANCE ITEMS		× 1,000 km	1	4.5	9	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54										
Timing Belt	*6		I			I			I											●					
			Replace every 105,000 km (60,000 miles)												—										
			Replace every 150,000 km (90,000 miles)												—										
Timing pulley*6			I			I			I												●				
Timing belt cover*6			C			C			C																
Valve Clearance	*1 : Sensory Inspection					*I			*I						(Every 48 months)							●			
	A: Adjust		A	A	A	A	A	A	A	A	A	A	A	A	A	Every 12 months							●		
Drive belt	Normal belt		I	I	I	I	I	I	I	I	I	I	I	I	I	Every 12 months									
	V-ribbed belt		Inspect at 105,000 km (63,000 miles). After, inspect every 15,000 km (9,000 miles)												Initial 72 months; then, every 12 months									●	
Engine oil ACEA: B1 API: CF-4 or CF	5W-30, 10W-30, 15W-40, 20W-50	Normal	R	R	R	R	R	R	R	R	R	R	R	R	R	Every 12 months							●		
		Severe	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Every 6 months							●	
		OMMS	Replace when the reminder light illuminates or after max. 30,000km/24months																			●			
Engine oil ACEA: C2 (preferred), B1	C2: 5W-30 B1: 5W-30, 10W-30, 15W-40, 20W-50	Normal	R	R	R	R	R	R	R	R	R	R	R	R	R	Every 12 months									
		Severe	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Every 6 months								
		OMMS	Replace when the reminder light illuminates or after max. 30,000km/24months																						
Engine oil ACEA: C2	0W-30, 5W-30	Normal	R	R	R	R	R	R	R	R	R	R	R	R	R	Every 12 months									
		Severe	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Every 6 months								
		OMMS	Replace when the reminder light illuminates or after max. 30,000km/24months																						
Engine oil filter		Normal	R	R	R	R	R	R	R	R	R	R	R	R	R	Every 12 months								●	
		Severe	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Every 6 months								●
		OMMS	Replace when the reminder light illuminates or after max. 30,000km/24months																						
Cooling and heater system *2			I			I			I						Every 24 months										
Engine coolant	LLC (red/green) *3					R			R						Initial: 36 months										
	S-LLC (pink) *4		I			I			I						First replace at 150,000 km (90,000 miles); after, every 90,000 km (54,000 miles)										
Exhaust pipes and mountings			I	I	I	I	I	I	I	I	I	I	I	I	I	Every 12 months									
			I			I			I						Every 24 months										
Battery			No maintenance												—										
Fuel injection pipes			Replace every 150,000 km (90,000 miles)												—										
Fuel filter						R			R						Every 72 months										
	In-tank filter and in-line filter					R			R						Every 90 months										
Fuel pump			Replace every 300,000 km (180,000 miles)																						
Diesel smoke			I			I			I						Every 48 months										
						I			I						Every 48 months										
Air cleaner filter (from October 2002, applicable to all models in production)	Normal		I	I	I	I	I	I	R	I	I	I	I	I	I: Every 24 months R: Every 48 months									●	
	Dusty road		I	I	I	I	I	I	R	I	I	I	I	I	I: Every 12 months R: Every 48 months									●	
Air cleaner filter	Normal		I	I	R	I	I	I	R	I	I	I	I	R	I: Every 12 months R: Every 48 months										
	Dusty road		Inspect every 2,500 km (1,500 miles) and replace every 45,000 km (27,000 miles) or 48 months.												—										
Air flow meter (for EURO IV vehicles)*5						S			S						Every 48 months										
Fuel tank cap, fuel lines, connections			I			I			I						Every 24 months										

\*1: You may also use API CE or CD.

\*2: Check that the radiator and condenser are not blocked with leaves, dirt or insects; check radiator fins; check hoses and connections for correct installation, corrosion etc.; clean if necessary

\*3: After 60,000 km (36,000 miles) or 36 months, replace every 30,000 km (18,000 miles) or 24 months.

\*4: Only use "Toyota Super-Long Life Coolant" or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrate and non-borate coolant with long-life hybrid organic acid technology (coolant with long-life hybrid organic acid technology is a combination of low phosphates and organic acids)

\*5: Blow air to the sensor intermittently for about 30 seconds

\*6: For vehicles often operated in extremely dusty conditions, such as mining. Inspect for cracks on the timing belt and abnormal wear on the timing pulley. Remove dust and sand from the timing belt cover.

NMSC's choice

MAINTENANCE SCHEDULE - EUROPE 15,000 km/9,000 miles

CHASSIS AND BODY 1/2										Starting Year/Month of Production	Model Code	Land Cruiser 120 series GRJ12# KDJ12#	
MAINTENANCE OPERATIONS I: Inspect and correct or replace as necessary. R: Replace or change or lubricate. T: Tighten to specified torque. L: Lubricate													
SERVICE INTERVALS:		ODOMETER READING								Months	02/08	03/11	06/08 Minor Change
Odometer reading or months, whichever comes first													
		x 1,000 km											
MAINTENANCE ITEMS		x 1,000 miles											
Clutch pedal, return spring and damper - Mechanical type													
Brake pedal and parking brake													
Brake linings and drums (Include brake linings of parking brake)		Normal								●	●	●	
		Severe								●	●	●	
Brake pads and discs		Normal								●	●	●	
		Severe								●	●	●	
Clutch fluid	- M/T - MMT (Diesel)	SAE J1703 or FMVSS No. 116 DOT3											
			R										
		SAE J1703, J1704 or FMVSS No. 116 DOT3, DOT4											
	- MMT (Gasoline)	SAE J1703, J1704 or FMVSS No. 116 DOT3, DOT4											
			R										
Clutch fluid for auto clutch system													
Sequential M/T system fluid													
Brake fluid		SAE J1703 or FMVSS No. 116 DOT3								●	●	●	
		SAE J1703, J1704 or FMVSS No. 116 DOT3, DOT4								●	●	●	
		SAE J1704 or FMVSS No. 116 DOT4								●	●	●	
Brake pipes and hoses										●	●	●	
Vacuum pump for brake booster (Diesel and Valvematic engines)		ixetic (Luk-AT) or Pierburg Valvematic	Replace every 195,000 km (121,000 miles) or 120 months										
Power steering fluid		A/T fluid DEXRON® II or III TOYOTA P.S. fluid EH or equivalent								●	●	●	
Steering wheel, linkage and steering gear box		Normal								●	●	●	
		Severe								●	●	●	
SRS airbag *1		Initial inspect at first 120 months from the vehicle registration date.											
Propeller shaft	NLGI No. 1 or No. 2	Normal	L	L	L	L	L	L	L	●	●	●	
		Severe	L	L	L	L	L	L	L	L	●	●	●
Propeller shaft bolts		Normal								●	●	●	
		Severe	T	T	T	T	T	T	T	●	●	●	
Drive shaft boots		Normal								●	●	●	
		Severe	I	I	I	I	I	I	I	●	●	●	
		Severe	I	I	I	I	I	I	I	I	●	●	●
Drive shaft bolts		Normal								●	●	●	
		Severe	T	T	T	T	T	T	T	●	●	●	
		Severe	T	T	T	T	T	T	T	T	●	●	●
Suspension ball joints and dust covers		Normal								●	●	●	
		Severe	I	I	I	I	I	I	I	●	●	●	
		Severe	I	I	I	I	I	I	I	I	●	●	●
Shift lever of 6-speed manual transmission													
Automatic transmission fluid	Vehicles produced before July, '99	Normal											
		Severe	I	R	I	R	I	R	I				
		Normal									●		
		Normal											
		Severe									●		
		Severe											
	Vehicles produced after August, '99	Toyota Genuine ATF type T-IV	Normal										
			Severe										
		Toyota Genuine ATF WS	Normal									●	
			Severe									●	●
		Toyota Genuine CVTF TC	Normal										
			Severe										
Other	Normal												
	Severe												
Manual transmission oil and transfer oil if so equipped (Including auto clutch system)	API Gear oil GL-5	Normal											
		Severe											
	API Gear oil GL-4 or GL-5	Normal								●	●	●	
		Severe								●	●	●	
	Toyota Genuine Transfer Gear oil LF	Normal											
		Severe											
	LV Gear oil API GL-4	Normal											
		Severe											
	Other (GL-4 or GL-5)	Normal											
		Severe											
Transfer oil	API Gear oil GL-4 or GL-5	Normal											
		Severe											
	API Gear oil GL-5	Normal								●	●	●	
		Severe								●	●	●	
	Toyota Genuine Transfer Gear oil LF	Normal											
		Severe											
	Toyota Genuine Differential Oil LX85 (APE GL-5)	Normal											
		Severe											
	Toyota Genuine ATF WS	Normal											
		Severe											

\*1: After 120 months from the vehicle registration date, inspect every 24 months.

•: Lubricate within 24 hours after submerging  
 ••: Replace the blades with new ones; blades are not reusable  
 •••: Lubricate within 24 hours after submerging  
 ••••: Replace the blades with new ones; blades are not reusable  
 •••••: Lubricate within 24 hours after submerging  
 ••••••: Replace the blades with new ones; blades are not reusable

**MAINTENANCE SCHEDULE - EUROPE 15,000 km/9,000 miles**

**MAINTENANCE OPERATIONS**

I: Inspect and correct or replace as necessary. T: Tighten to specified torque.  
R: Replace or change or lubricate. C: Clean

**CHASSIS AND BODY 2/2**

SERVICE INTERVALS:		ODOMETER READING												Months	Starting Year/Month of Production	Model Code	Land Cruiser 120 series GRJ12# KDJ12#			
Odometer reading or months, whichever comes first																				
MAINTENANCE ITEMS		× 1,000 km	1	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90		02/08	03/11	06/08	
		× 1,000 miles	1	4.5	9	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54				Minor Change	
Front Differential oil	M/T model	API Gear oil GL-4 or GL-5	Normal									I				Every 48 months				
			Severe										R			Every 48 months				
		LV Gear oil API GL-4	Normal										I				Every 48 months			
			Severe											R			Every 48 months			
	A/T model	Toyota Genuine ATF type IV	Normal										I				Every 36 months			
				Normal										I			Every 48 months			
				Severe												R	I: Every 36 months R: Every 72 months			
		Toyota Genuine ATF WS	Normal											I			Every 36 months			
				Normal											I		Every 48 months			
				Severe												R	I: Every 36 months R: Every 72 months			
	Toyota Genuine CVTF TC	Normal												I		Every 48 months				
			Severe												R	I: Every 36 months R: Every 72 months				
Differential separated from transmission (API Gear oil GL-5)																Every 48 months	●	●	●	
Rear differential oil	API Gear oil GL-5	Normal														Every 48 months	●	●	●	
	A/T fluid WS	Severe													R	I: Every 36 months R: Every 72 months				
Wheel bearing grease (tapered roller type wheel bearing only) and ball joint grease	NLGI No. 2	Normal					R			R					R	Every 24 months	●*	●*	●*	
			Severe			R		R		R		R		R	R	Every 12 months	●*	●*	●*	
Front and rear suspension	Normal						I			I					I	Every 24 months	●	●	●	
		Severe					I			I					I	Every 12 months	●	●	●	
Active height control suspension fluid - Suspension fluid AHC or equivalent															R	—				
Active height control gas chamber															I	I: initial 48 months; then every 12 months				
Bolts and nuts on chassis and body		Severe only					T		T		T		T		T	Every 12 months	●	●	●	
Tires and inflation pressure	Normal														I	Every 24 months	●	●	●	
		Severe					I		I		I		I		I	Every 12 months	●	●	●	
Air conditioning filter		Normal													I	Every 24 months				
			Dusty road												I	Every 12 months				
			Normal												R	Every 24 months				
			Dusty road												R	Every 12 months				
			Normal & Dusty road												R	Every 24 months				
			Normal												R	"Clean" replaced by "Inspect"				
Particle filter	Foldable type	Dusty road					I		I		I		I		R	Refer to TME letter of October 2007 on "Potential Health Risk From Cleaning of Cabin Air Filter Elements"				
			Normal											R						
	Pollen removal type	Dusty road						I		I		I		I	R					
			1*					R		R		R		R	R					
Standard type & high efficiency type	Normal													R			●	●	●	
		Dusty road												R			●	●	●	
Combination filter (high efficiency type)	Normal						R		R		R		R	R	R					
		Dusty road					R		R		R		R	R	R					
Corrosion Inspection		Replace when the service indicator light illuminates															●	●	●	

1\*: with Solar power ventilation system

\*: On vehicles with free-wheel hubs, only thrust bush grease (wheel bearing grease is maintenance free)  
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