

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

MAINTENANCE OPERATIONS

GASOLINE ENGINE

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

SERVICE INTERVALS:

Odometer reading or months, whichever comes first

MAINTENANCE ITEMS	x 1,000 km	ODOMETER READING										Months	Starting Year/Month of Production	Model Code	Engine Code			
		1	7.5	15	22.5	30	37.5	45	52.5	60	67.5					75	82.5	90
	x 1,000 km	1	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90	() : for reference			
Timing Belt		Replace every 150,000 km (90,000 miles)										—						
Valve Clearance	Sensory Inspection *1											I (Every 72 months)						
	Actual inspection	I	I	I	I	I	I	I	I	I	I	I	I	I	Every 12 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	R	R	R	R	R	R	R	Every 12 months			
	Severe	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	R	R	R	R	R	R	R	Every 12 months			
	Severe	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	R	R	R	R	R	R	R	Every 12 months			
	Severe	R	R	R	R	R	R	R	R	R	R	R	R	R	Every 6 months			
	0W-20 (preferred) 5W-30, 10W-30, 15W-40, 20W-50	Normal	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	Every 6 months			
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	Every 6 months			
Cooling and heater system *2		I	I	I	I	I	I	I	I	I	I	I	I	I	Every 24 months			
Engine coolant	LLC (red/green) *3														Initial: 36 months			
	S-LLC (pink) *4	I	I	I	I	I	I	I	I	I	I	I	I	I	Every 24 months			
		First replace at 150,000 km (90,000 miles); after, every 90,000 km (54,000 miles)																
		I	I	I	I	I	I	I	I	I	I	I	I	I	Every 24 months			
Inverter coolant	S-LLC (pink) *4	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	I	I	I	I	I	I	I	I	I	I	I	Every 24 months			
Spark plugs	Platinum or Iridium Tipped type	Replace every 90,000 km (54,000 miles)										—						
	Others	I	I	I	I	I	I	I	I	I	I	I	I	I	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						
LPG gas filter		R	R	R	R	R	R	R	R	R	R	R	R	R	Every 12 months			
Fuel injection system *6		F	F	F	F	F	F	F	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	I	I	R	I	I	I	I	I	I	I	I: Every 24 months R: Every 48 months			
	Dusty road	I	I	I	I	I	R	I	I	I	I	I	I	I	I: Every 12 months R: Every 48 months			
Air cleaner filter	Normal	I	I	I	I	R	I	I	I	I	I	I	I	I	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	I	I	I	I	I	I	I	I	I	I	I	Every 24 months			
LPG system piping and connectors, tank, filler valve, wiring *7		I	I	I	I	I	I	I	I	I	I	I	I	I	Every 24 months			
LPG system operation settings		I	I	I	I	I	I	I	I	I	I	I	I	I	Every 12 months			
LPG tank		Replace every 10 years										—						
Charcoal canister	*5														—			
	Others	I	I	I	I	I	I	I	I	I	I	I	I	I	Every 24 months			
	Aygo only	Normal													—			
	Severe	I	I	I	I	I	I	I	I	I	I	I	I	I	Every 24 months			
Charcoal canister filter	Aygo only	Normal													—			
	Severe	R	R	R	R	R	R	R	R	R	R	R	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

*7: Check for leaks and tightness of piping, connectors, multivalve, wiring, tank and tank filler valve

*, For Croatia, Bosnia Herzegovina, Macedonia, Estonia, Latvia, Romania and Ukraine

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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 or months, whichever comes first

MAINTENANCE ITEMS	x 1,000 km	ODOMETER READING										Months () : for reference			
		1	7.5	15	22.5	30	37.5	45	52.5	60	67.5		75	82.5	90
	x 1,000 miles	1	4.5	9	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54	

Timing Belt		Replace every 105,000 km (60,000 miles)										—		
		Replace every 150,000 km (90,000 miles)										—		
Timing pulley*6		I I I I I I I I I I I I												
Timing belt cover*6		C C C												
Valve Clearance	*1: Sensory Inspection											(Every 48 months)		
	A: Adjust	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	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	Every 12 months
		Severe*	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	Normal*	R	R	R	R	R	R	R	R	R	R	R	Every 12 months
	B1: 5W-30, 10W-30, 15W-40, 20W-50	Severe*	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	Every 12 months
		Severe*	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	Every 12 months
	Severe	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 I I I I I I I I I										Every 24 months		
Engine coolant	LLC (red/green) *3											R	Initial: 36 months	
	S-LLC (pink) *4	I I I I I I I I I I I I												
Exhaust pipes and mountings		I I I I I I I I I I I I										Every 12 months		
		I I I I I I I I I I I I										Every 24 months		
Battery												No maintenance		
Fuel injection pipes												Replace every 150,000 km (90,000 miles)		
Fuel filter												R	Every 72 months	
	In-tank filter and in-line filter											R	Every 90 months	
Fuel pump												Replace every 300,000 km (180,000 miles)		
	Diesel smoke	I I I I I I I I I I I I										Every 48 months		
Air cleaner filter (from October 2002, applicable to all models in production)	Normal	I	I	I	I	R	I	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: Every 12 months R: Every 48 months	
	Normal	I	I	R	I	I	I	R	I	I	I	I	I: Every 12 months R: Every 48 months	
Air cleaner filter	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	Every 48 months	
Fuel tank cap, fuel lines, connections		I I I I I I I I I I I I										Every 24 months		

Starting Year/Month of Production	Model Code	Engine Code	RAV4								
			2AD-FTV (2.2 D-4D)	2AD-FTV (2.2 D-4D) DPF	2AD-FTV (2.2 D-4D)	2AD-FHV (2.2 D-CAT)		2AD-FHV (2.2 D-CAT)		2AD-FHV (2.2 D-CAT)	
			ALA30	ALA30	ALA30,5	ALA30,5	ALA30,5	ALA30,5	ALA30	ALA30	
			2005/11	2007/01	2008/12	2010/02	2005/11	2008/12	2010/02	2010/02	
					Minor Change	Minor Change		Minor Change	Minor Change	Minor Change	

*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.
***Engine oil: it is imperative to RESET the OMMS after EVERY oil change**

*: engines WITHOUT DPF
(**): engines WITH DPF
(***): Serbia, Montenegro, Macedonia and Croatia
*: engines WITHOUT DPF
**: engines WITH DPF
(***): Serbia, Montenegro, Macedonia and Croatia

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

CHASSIS AND BODY 1/2		MAINTENANCE OPERATIONS										Start of Production Month Code		
		I: Inspect and correct or replace as necessary.					T: Tighten to specified torque.							
SERVICE INTERVALS:		Odometer reading or months, whichever comes first												
Odometer reading or months, whichever comes first		ODOMETER READING												
		Months												
MAINTENANCE ITEMS														
x 1,000 km		1	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90
x 1,000 miles		1	4.5	9	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54
Clutch pedal, return spring and damper - Mechanical type			I	I	I	I	I	I	I	I	I	I	I	I
Brake pedal and parking brake		Normal			I	I	I	I	I	I	I	I	I	I
Severe			I	I	I	I	I	I	I	I	I	I	I	I
Brake linings and drums (include brake linings of parking brake)		Normal			I	I	I	I	I	I	I	I	I	I
Severe			I	I	I	I	I	I	I	I	I	I	I	I
Brake pads and discs		Normal			I	I	I	I	I	I	I	I	I	I
Severe			I	I	I	I	I	I	I	I	I	I	I	I
Clutch fluid		- MMT (some Diesels) - MMT (some Diesels) SAE J1703, J1704 or FMVSS No. 116 DOT3, DOT4				R			R					
Clutch fluid for auto clutch system		SAE J1703, J1704 or FMVSS No. 116 DOT3, DOT4												
Sequential MT system fluid		SAE J1703, J1704 or FMVSS No. 116 DOT3, DOT4				R			R					
Brake fluid		SAE J1703, J1704 or FMVSS No. 116 DOT3, DOT4												
Brake pipes and hoses		Inspect every 120 months from the vehicle registration date.												
Vacuum pump for brake booster (Diesel and Valvematic engines)		Inspect every 195,000 km (121,000 miles) or 120 months												
Power steering fluid		AT fluid DEXRON® II or III TOYOTA P.S. fluid EH or equivalent				I			I					
Steering wheel, linkage and steering gear box		Normal			I	I	I	I	I	I	I	I	I	I
Severe			I	I	I	I	I	I	I	I	I	I	I	I
SRS airbag *1		Initial inspect at first 120 months from the vehicle registration date.												
Propeller shaft		Normal	L	L	L	L	L	L	L	L	L	L	L	L
Severe			L	L	L	L	L	L	L	L	L	L	L	L
Propeller shaft bolts		Normal	T	T	T	T	T	T	T	T	T	T	T	T
Severe			T	T	T	T	T	T	T	T	T	T	T	T
Drive shaft boots		Normal	I	I	I	I	I	I	I	I	I	I	I	I
Severe			I	I	I	I	I	I	I	I	I	I	I	I
Drive shaft bolts or nuts (on flange-type only)		Normal	T	T	T	T	T	T	T	T	T	T	T	T
Severe			T	T	T	T	T	T	T	T	T	T	T	T
Suspension ball joints and dust covers		Normal	I	I	I	I	I	I	I	I	I	I	I	I
Severe			I	I	I	I	I	I	I	I	I	I	I	I
Shift lever of 6-speed manual transmission (on both petrol and Diesel models)		Normal			I				R					
Severe			I		R				I					
Automatic transmission fluid		Normal												
Severe			I		R				I					
Manual transmission oil and transfer oil if so equipped (including auto clutch system)		Normal												
Severe			I		R				I					

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

ALA30 only
 ZSA35
 E48E and E38E M/T only
 see except for transfer oil
 ALA30 only
 ZSA35
 E48E and E38E M/T only
 see except for transfer oil
 ALA30 only
 except for transfer oil
 ALA30 only
 E48E and E38E M/T only
 see except for transfer oil
 ZSA30
 ALA30 only
 E48E and E38E M/T only
 see except for transfer oil
 ZSA30
 ALA30 only
 E48E and E38E M/T only
 see except for transfer oil

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										Starting Year/Month of Production	Model Code											
Odometer reading or months, whichever comes first																								
		x 1,000 km	1	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90	Months	RAV4 2WD		RAV4 4WD					
MAINTENANCE ITEMS		x 1,000 miles	1	4.5	9	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54		2008/12 Minor Change	2010/02 Minor Change	2005/11	2007/01	2008/12 Minor Change	2010/02 Minor Change		
Front Differential oil	M/T model	API Gear oil GL-4 or GL-5	Normal								I													
			Severe									R												
		LV Gear oil API GL-4	Normal										I					●	●	●	●	●	●	
			Severe										R					●	●	●	●	●	●	
	A/T model	Toyota Genuine ATF type T-IV	Normal									I												
			Normal										I											
			Severe										I											
		Toyota Genuine ATF WS	Normal										I											
			Normal										I							●		●	●	
			Severe										I							●		●	●	
Toyota Genuine CVTF TC	Normal										I									●*	●*			
	Severe										I									●*	●*			
Differential separated from transmission (API Gear oil GL-5)																								
Rear differential oil	API Gear oil GL-5	Normal																						
		Severe																						
	A/T fluid WS	Normal									I													
Wheel bearing grease (tapered roller type wheel bearing only) and ball joint grease	NLGI No. 2	Normal						R			R													
		Severe						R			R													
Front and rear suspension		Normal									I						●	●	●	●	●	●		
		Severe									I						●	●	●	●	●	●		
Active height control suspension fluid - Suspension fluid AHC or equivalent																								
Active height control gas chamber											I	I												
Bolts and nuts on chassis and body		Severe only																						
Tires and inflation pressure		Normal																						
		Severe																						
Air conditioning filter		Normal																						
		Dusty road										I												
		Normal										R												
		Dusty road										R												
		Normal & Dusty road										R												
Particle filter	Foldable type	Normal																						
		Dusty road									I	I	R	I	I	R								
	Pollen removal type	Normal																						
		Dusty road										I	R	I	R	I	R							
		1*										R	R	R	R	R								
Standard type & high efficiency type	Normal																							
	Dusty road										R	R	R	R	R									
Combination filter (high efficiency type)	Normal																							
	Dusty road										R	R	R	R	R									
Corrosion Inspection																								

1*: with Solar power ventilation system

*: models with CVT

*: models with CVT