

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

DIESEL ENGINE

SERVICE INTERVALS: Odometer reading or months, whichever comes first	ODOMETER READING	Months	Starting Year/Month of Production	Model Code	Engine Code	RAV4				
						1AD-FTV (2.0 D-4D)	2AD-FTV (2.2 D-4D DPF)	2AD-FHV (2.2 D-CAT)		
MAINTENANCE ITEMS		() : for reference	2012/12	2013/11	2012/12	2012/12				
Timing Belt	× 1,000 km 1 7.5 15 22.5 30 37.5 45 52.5 60 67.5 75 82.5 90	Replace every 105,000 km (60,000 miles) Replace every 150,000 km (90,000 miles)								
Timing pulley*6										
Timing belt cover*6										
Valve Clearance	*I : Sensory Inspection A: Adjust									
Drive belt	Normal belt									
	V-ribbed belt	Inspect at 105.000 km (63.000 miles). After, inspect every 15.000 km (9.000 miles)								
Engine oil ACEA: B1 API: CF-4 or CF	5W-30, 10W-30, 15W-40, 20W-50	Normal* Severe* OMMS*								
	C2: 5W-30 B1: 5W-30, 10W-30, 15W-40, 20W-50	Normal* Severe* OMMS*								
		Normal* Severe* OMMS*								
Engine oil ACEA: C2	0W-30, 5W-30	Normal* Severe* OMMS*							*	
	5W-30 PFE	* Normal Severe OMMS							*	
		* Normal Severe OMMS							**	
Engine oil filter	S-LLC (pink) *4 Premium-LLC 1WW/2WW	Normal Severe OMMS							*	
		* Normal Severe OMMS							*	
		* Normal Severe OMMS							**	
Cooling and heater system *2										
Engine coolant (Include intercooler coolant)	S-LLC (pink) *4									
	Premium-LLC 1WW/2WW									
Exhaust pipes and mountings										
DPR hoses for checking exhaust pressure										
Battery		No maintenance								
Fuel injection pipes		Replace every 150,000 km (90,000 miles)								
Fuel filter										
	In-tank filter and in-line filter									
Fuel pump		Replace every 300,000 km (180,000 miles)								
Diesel smoke										
Air cleaner filter (from October 2002, applicable to all models in production)	Normal									
	Dusty road *7									
Air flow meter (for EURO IV vehicles)*5										
Fuel tank cap, fuel lines, connections										
SCR- Ad Blue										

*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.
*7: Roads in area where the pavement rate is low, or a cloud of dust often arises and the air is dry
*Engine oil: it is imperative to RESET the OMMS after EVERY oil change

NMSC's choice NMSC's choice NMSC's choice NMSC's choice

*: With CCO system
**: With DPF system

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

CHASSIS AND BODY 2/2										Starting Year/Month of Production	Model Code					
SERVICE INTERVALS: Odometer reading or months, whichever comes first																
MAINTENANCE OPERATIONS I: Inspect and correct or replace as necessary. T: Tighten to specified torque. R: Replace or change or lubricate. C: Clean																
SEVERE		NORMAL		15 20 25		30 35 40		45 50 55		Months						
x 1,000 km		x 1,000 miles		1 5 10		15 20 25		30 35 40								
Front Differential oil	Differential integrated with transmission	M/T model	API Gear oil GL-4 or GL-5	Normal				I		Every 48 months						
			Severe					R		Every 48 months						
		A/T model	LV Gear oil API GL-4	Normal					I		Every 48 months					
			Severe						R		Every 48 months					
		Differential separated from transmission (API Gear oil GL-5)	Toyota Genuine ATF WS	Normal					I		I	Every 36 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				
			Toyota Genuine CVTF FE	Normal						I		Every 48 months		* *		
				Severe						R		I: Every 36 months R: Every 72 months		* *		
Rear differential oil	API Gear oil GL-5	Normal						R		Every 48 months						
		Severe						R		Every 48 months						
		RAV4 HV (4WD), NX300h (4WD) and RX450h/450hL (4WD) only	Normal						I		Every 36 months		**			
Wheel bearing grease (tapered roller type wheel bearing only) and ball joint grease	NLGI No. 2	Normal						R		Every 24 months						
		Severe						R		Every 12 months						
Front and rear suspension	Active height control suspension fluid - Suspension fluid AHC or equivalent	Normal						I		Every 24 months						
		Severe						I		Every 12 months						
Active height control gas chamber	Bolts and nuts on chassis and body *2	Normal						I		I: initial 48 months; then every 12 months						
		Severe only						T		Every 12 months						
Tires and inflation pressure Tyres, lights, wiper blades and washer fluid	Standard type & high efficiency type	Normal						I		Every 24 months						
		Severe						I		Every 12 months						
A/C filter - Particle filter	Pollen removal type	Stamped "C", "E", "K", or "N"	Normal						R	R	"Clean" replaced by "Inspect"	*	**			
			Dusty road*4						R	R	Refer to TME letter of October 2007	*	**			
		Stamped "P" or "L"	Normal						I	R	I	R	I	on "Potential Health Risk From Cleaning of Cabin Air Filter Elements"		
			Dusty road*4						I	R	I	R	I	R	I	
		High efficiency type	Normal							R	R	R	R	R		
			Dusty road*4							R	R	R	R	R	R	
A/C filter - Combination filter	High efficiency type	Normal*3	Normal						R	R	R	R	R	Every 12 months		
			Dusty road*4						R	R	R	R	R	R	Every 12 months	
		Replace when the service indicator light illuminates	Normal							R	R	R	R	R		
			Dusty road*4							R	R	R	R	R		
Air conditioner filter Aygo only								R	R	R	R	R				
Corrosion Inspection								I		I			Every 24 months			

1*: with Solar power ventilation system
 2*: For seat mounting bolts, front and rear suspension member retaining bolts.
 3*: For New models, model changed or minor change vehicles, produced from January 2015
 4*: Roads in area where the pavement rate is low, or a cloud of dust often arises and the air is dry

*: Stamped "C"
*: models with CVT *: Stamped "C"
*: models with CVT *: Stamped "C"
*: models with CVT
*: models with CVT
*: Integrated in front hybrid transaxle
*: Integrated in front hybrid transaxle *: Integrated in rear transaxle

MAINTENANCE SCHEDULE - EUROPE 20,000 km/12,500 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	RAV		
Odometer reading or months, whichever comes first																2WW Euro6 (2.0D) WWA42		
MAINTENANCE ITEMS		x 1,000 km	1	10	20	30	40	50	60	70	80	90	100				2015/09	
		x 1,000 miles	1	6.25	12.5	18.75	25	31.25	37.5	43.75	50	56.25	62.5					
Drive belt	V-ribbed belt	Inspect at 100.000 km (62,500 miles). After, inspect every 20.000 km (12,500 miles)										Initial 72 months; then, every 12 months						
Engine oil ACEA: C2	0W-30, 5W-30	Normal*3		R		R		R		R		R		Every 12 months				
		Severe*3		R	R	R	R	R	R	R	R	R	R	R	Every 6 months			
Engine oil ACEA	5W-30 PFE 1WW/2WW	*3	Replace every 20.000 km (12.500 miles) or when the rem										Every 12 months				*	
Engine oil filter		Normal*3		R		R		R		R		R		Every 12 months				
		Severe*3		R	R	R	R	R	R	R	R	R	R	R	Every 6 months			
		*3	Replace every 20.000 km (12.500 miles) or when the rem										Every 12 months				*	
Cooling and heater system *1					I					I				Every 24 months				
Engine coolant (Include intercooler coolant)	S-LLC (pink) *2			I		I		I		I		I						
	Premium-LLC 1WW/2WW *4			I		I		I		I		I						
			First replace at 160,000 km (100,000 miles); then, every 80,000 km (50,000 miles)															
			First replace at 160,000 km (100,000 miles); then, every 80,000 km (25,000 miles)															
Exhaust pipes and mountings				I		I		I		I		I		Every 24 months				
Fuel filter	Drain water			I		I		I		I		I						
	0 0							R						Every 72 months				
Diesel smoke								I						Every 48 months				
Air cleaner filter	Normal			I		I		R		I		I		I: Every 12 months R: Every 48 months				
	Dusty road *5			I	I	I	I	I	R	I	I	I	I	I: Every 6 months R: Every 48 months				
Fuel tank cap, fuel lines, connections				I		I		I		I		I		Every 24 months				

*1: 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

*2: 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)

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

It is possible that the oil change reminder light illuminates before 20,000 km/12,500 miles depending on the usage and driving conditions. Should this happen, change the engine oil and oil filter and reset the OMMS.

*4: Engine coolant (1WW) only exists concentrated, 50% dilution.

*5: Roads in area where the pavement rate is low, or a cloud of dust often arises and the air is dry

*: Replace every 10,000 km or when the reminder light illuminates (For Macedonia, Montenegro, Serbia, Bosnia and Herzegovina only).

MAINTENANCE SCHEDULE - EUROPE 20,000 km/12,500 miles

MAINTENANCE OPERATIONS

I: Inspect and correct or replace as necessary.

T: Tighten to specified torque.

R: Replace or change or lubricate.

L: Lubricate

CHASSIS AND BODY 1/2

SERVICE INTERVALS:				ODOMETER READING										Starting Year/Month of Production	Model Code	RAV		
Odometer reading or months, whichever comes first				1	10	20	30	40	50	60	70	80	90			100	Months	WWA42
MAINTENANCE ITEMS		x 1,000 miles		1	6.25	12.5	18.75	25	31.25	37.5	43.75	50	56.25			62.5		2015/09
Floor mat				Inspection at every maintenance														
Brake pedal and parking brake								I							Every 24 months			
Brake linings and drums of parking brake		Normal						I							Every 24 months			
		Severe				I		I		I		I		I	Every 12 months			
Brake pads and discs		Normal				I		I		I		I		I	Every 12 months			
		Severe			I	I	I	I	I	I	I	I	I	I	Every 6 months			
Clutch fluid		SAE J1703, J1704 or FMVSS No. 116 DOT3, DOT4						I		I				Every 24 months				
							I		I		I		I		Every 24 months			
Brake fluid		SAE J1703, J1704 or FMVSS No. 116 DOT3, DOT4						R				R		Every 24 months				
Brake pipes and hoses						I		I		I		I		Every 24 months				
Steering wheel, linkage and steering gear box		Normal				I		I		I		I		Every 24 months				
		Severe			I	I	I	I	I	I	I	I	I	I	Every 12 months			
Drive shaft boots		Normal				I		I		I		I		Every 24 months				
		Severe			I	I	I	I	I	I	I	I	I	I	Every 12 months			
Suspension ball joints and dust covers		Normal				I		I		I		I		Every 24 months				
		Severe			I	I	I	I	I	I	I	I	I	I	Every 12 months			
Shift lever of 6-speed manual transmission								I				I						
Automatic transmission fluid		Toyota Genuine ATF WS		Normal						I				Every 48 months				
				Severe				I				R			I: Every 36 months R: Every 72 months			
Manual transmission oil		LV Gear oil API GL-4		Normal						I				Every 48 months				
				Severe						R					Every 48 months			
Transfer oil		API Gear oil GL-5						R				R		Every 48 months				

MAINTENANCE SCHEDULE - EUROPE 20,000 km/12,500 miles

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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 or months, whichever comes first				ODOMETER READING												Starting Year/Month of Production	Model Code	RAV	
				Months														WWA42	
MAINTENANCE ITEMS																		2015/09	
				× 1,000 km	1	10	20	30	40	50	60	70	80	90	100				
				× 1,000 miles	1	6.25	12.5	18.75	25	31.25	37.5	43.75	50	56.25	62.5				
Front Differential oil	M/T model	LV Gear oil API GL-4	Normal						I							Every 48 months			
			Severe						R							Every 48 months			
	A/T model	Toyota Genuine ATF WS	Normal							I							Every 48 months		
			Severe								I			R			I: Every 36 months R: Every 72		
Rear differential		API Gear oil GL-5														Every 48 months			
Front and rear suspension				Normal			I		I			I			I	Every 24 months			
				Severe		I	I	I	I	I	I	I	I	I	I	Every 12 months			
Bolts and nuts on chassis and body *1				Severe only			T		T		T		T		T	Every 12 months			
Tires and inflation pressure				Normal			I		I		I		I		I	Every 12 months			
				Severe		I	I	I	I	I	I	I	I	I	I	Every 6 months			
Particle filter/Cabin Air Filter		Standard type	Normal			I		R		I		R		I					
			Dusty road		I	R	I	R	I	R	I	R	I	R					
		Pollen removal type	Normal			I		R		I		R		I					
			Dusty road		I	R	I	R	I	R	I	R	I	R					
			Normal			R		R		R		R		R		R			
			Dusty road		R	R	R	R	R	R	R	R	R	R	R	R			
Combination filter		Combination filter (High efficiency type)	Normal			I		R		I		R		I					
			Dusty road		I	R	I	R	I	R	I	R	I	R					
Corrosion Inspection															Every 24 months				

1*: For seat mounting bolts, front and rear suspensions member retaining bolts