

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

MAINTENANCE OPERATIONS												Starting Year/Month of Production	Model Code	Engine Code	Auris			Auris HSD								
GASOLINE ENGINE															1NR-FE	1ZR-FAE	2ZR-FXE	2ZR-FXE	2ZR-FXE							
SERVICE INTERVALS:															NRE180	ZRE185	ZWE186	ZWE186	ZWE186							
Odometer reading or months, whichever comes first												ODOMETER READING												Months		
MAINTENANCE ITEMS												x 1,000 miles												( ) : for reference		
Timing Belt	Replace every 150,000 km (90,000 miles)											—														
Valve Clearance	Sensory Inspection *1												*1 (Every 72 months)													
	Actual inspection												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			●	●									
													Every 12 months													
Engine oil (API: SH, SJ) (ILSAC)	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													
Engine oil (API: SJ, SL) (ILSAC)	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													
Engine oil (API: SL, SM) (ILSAC)	5W-30 (preferred)	R	R	R	R	R	R	R	R	R	R	R	Every 12 months													
	10W-30, 15W-40, 20W-50	R	R	R	R	R	R	R	R	R	R	R	Every 6 months													
	0W-20 (preferred)	R	R	R	R	R	R	R	R	R	R	R	Every 12 months			●	●	●								
	5W-30, 10W-30, 15W-40, 20W-50	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	Every 12 months			●	●	●								
	Severe	R	R	R	R	R	R	R	R	R	R	R	Every 6 months			●	●	●								
Cooling and heater system *2												Every 24 months			●	●	●									
Engine coolant	S-LLC (pink) *4	First replace at 150,000 km (90,000 miles); after, every 90,000 km (54,000 miles)											●			●	●									
	S-LLC (blue) *4	First replace at 210,000 km (126,000 miles); after, every 120,000 km (72,000 miles)											First, 11 years; then, 6 years													
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												Every 24 months			●	●	●									
Spark plugs	Platinum or Iridium Tipped type	Replace every 90,000 km (54,000 miles)											—			●	●	●								
	Others												I: Every 24 months R: Every 48 months													
Battery	No maintenance											—														
Fuel filter	Aygo	Replace every 180,000 km (108,000 miles)											15 years													
	GT 86	Replace every 120,000 km (72,000 miles)											8 years													
LPG gas filter												Every 12 months														
Fuel injection system *6	Fill every 105,000 km											—					●*									
Air cleaner filter	Normal												I: Every 24 months R: Every 48 months			●	●	●								
													I: Every 12 months R: Every 36 months													
	Dusty road												I: Every 12 months R: Every 48 months			●	●	●								
													I: Every 6 months R: Every 36 months													
Fuel tank cap, fuel lines, connections and fuel vapor control valve												Every 24 months			●	●	●									
LPG system piping and connectors, tank, filler valve, wiring *7												Every 24 months														
LPG system operation settings												Every 12 months														
LPG tank	Replace every 10 years											—			●	●	●									
Charcoal canister	*5												—			●	●	●								
	Others												Every 24 months			●	●	●								
	Aygo only	Normal												—												
Charcoal canister filter	Aygo only	Severe												Every 24 months												
		Normal												—												
		Severe												Every 24 months												
		Normal												—												

\*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)

For GT 86, it is allowed to use Pink Toyota S-LLC for complete REPLACEMENT; in case of TOP-UP, Blue S-LLC is available in 1-litre bottles (P/N 08889-80190)

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

\*6: Use Toyota Genuine Fuel Injector Cleaner (08813-00820 or PZ463-00PB0-04) 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

**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	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
MAINTENANCE ITEMS	× 1,000 miles	1	4.5	9	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54			
Timing Belt	*6	I												—			
		Replace every 105,000 km (60,000 miles)												—			
		Replace every 150,000 km (90,000 miles)												—			
Timing pulley*6		I															
Timing belt cover*6		C															
Valve Clearance	*I : Sensory Inspection																
	A: Adjust		A		A		A		A		A		A				
Drive belt	Normal belt		I		I		I		I		I		I				
	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			
		Severe*		R		R		R		R		R		R			
		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			
		Severe*		R		R		R		R		R		R			
		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			
		Severe*		R		R		R		R		R		R			
		OMMS*		Replace when the reminder light illuminates or after max. 30,000km/24months													●
Engine oil filter		Normal		R		R		R		R		R		R			
		Severe		R		R		R		R		R		R			
		OMMS		Replace when the reminder light illuminates or after max. 30,000km/24months													●
Cooling and heater system *2				I		I		I		I		I		I			
Engine coolant	S-LLC (pink) *4			I		I		I		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		
Battery		No maintenance												—			
Fuel injection pipes		Replace every 150,000 km (90,000 miles)												—			
Fuel filter														R			
	In-tank filter and in-line filter														R		
Fuel pump		Replace every 300,000 km (180,000 miles)															
Diesel smoke														I			
														I			
Air cleaner filter (from October 2002, applicable to all models in production)	Normal		I		I		I		R		I		I				
	Dusty road		I		I		I		I		R		I		I		
Air flow meter (for EURO IV vehicles)*5														S			
Fuel tank cap, fuel lines, connections														I			

\*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**

\*: High strength belt  
note: OMMS at 15,000 km

NMSC's choice

**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. L: Lubricate

**CHASSIS AND BODY 1/2**

SERVICE INTERVALS:		ODOMETER READING												Starting Year/Month of Production	Model Code	Auris		Auris HSD	
Odometer reading or months, whichever comes first																NRE180 ZRE185 NDE180 ADE186		ZWE186	
		Months												2012/10		2012/11			
MAINTENANCE ITEMS																			
Floor mat		Inspection at every maintenance														•	•		
Clutch pedal, return spring and damper - Mechanical type		I																	
Brake pedal and parking brake		I														•	•		
Brake linings and drums		Normal I																	
(Include brake linings and drums of parking brake)		Severe I																	
Brake pads and discs		Normal I														•	•		
		Severe I														•	•		
Clutch fluid	M/T - MMT (some Diesels)	SAE J1703, J1704 or FMVSS No. 116 DOT3, DOT4																	
		R R																	
		I														•	•		
		I														•	•		
	M/T (Gasoline + some Diesels)	SAE J1703, J1704 or FMVSS No. 116 DOT3, DOT4																	
		First replace at 120,000 km (72,000 miles) or 96 months; then, every 90,000 km (54,000 miles) or 72 months														•	•		
Brake fluid	SAE J1703, J1704 or FMVSS No. 116 DOT3, DOT4	R R														•	•		
Brake pipes and hoses		I														•	•		
Vacuum pump for brake booster (Diesel and Valvematic engines)	ixetic (Luk-AT) or Pierburg	Diesel																	
	Others	Valvematic														•	•		
Replace every 195,000 km (121,000 miles) or 120 months																			
Inspect every 195,000 km (121,000 miles) or 120 months																			
Power steering fluid	A/T fluid DEXRON® II or III	I																	
	TOYOTA P.S. fluid EH or equivalent	I																	
Steering wheel, linkage and steering gear box	Normal	I														•	•		
	Severe	I														•	•		
SRS airbag *1		Initial inspect at first 120 months from the vehicle registration date.																	
Propeller shaft	NLGI No. 1 or No. 2	Normal L																	
		Severe L L L L L L L L L L L L L L L L																	
	NLGI No. 2	Normal L																	
		Severe L L L L L L L L L L L L L L L L																	
Propeller shaft bolts	Normal	T																	
	Severe	T T T T T T T T																	
Drive shaft boots	Normal	I														•	•		
	Severe	I														•	•		
	Normal	I																	
	Severe	I I I I I I I I I I I I I I I I																	
Drive shaft bolts or nuts (on flange-type only)	Normal	T																	
	Severe	T T T T T T T T T T T T T T T T																	
	Normal	T																	
	Severe	T T T T T T T T T T T T T T T T																	
Suspension ball joints and dust covers	Normal	I														•	•		
	Severe	I														•	•		
	Normal	I																	
	Severe	I I I I 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)		I														•			
Automatic transmission fluid	Toyota Genuine ATF WS	Normal																	
		-																	
		I																	
		R																	
	Toyota Genuine CVTF TC	Normal																	
		Severe																	
		I																	
		R																	
Toyota Genuine CVTF FE	Normal														•				
	Severe														•				
Manual transmission oil and transfer oil if so equipped (Including auto clutch system)	API Gear oil GL-5	Normal																	
		Severe																	
		I																	
		R																	
	Toyota Genuine Transfer Gear oil LF	Normal																	
		Severe																	
		I																	
		R																	
LV Gear oil API GL-4	Normal																		
	Severe																		
	I														•				
	R														•				
Transfer oil	API Gear oil GL-5	Normal																	
		Severe																	
	Toyota Genuine Transfer Gear oil LF	Normal																	
		Severe																	
	Toyota Genuine Transfer gear oil LL80 (preferred), Toyota Genuine Differential Oil LX (API: GL-5)	Normal																	
		Severe																	
	Toyota Genuine ATF WS	Normal																	
		Severe																	
		I																	
		R																	

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

•: NDE and ADE only  
 ••: NRE and ZRE only (EC6# M/T)  
 •••: ZRE185 with EC60A MMT and NDE180 with EC65A MMT

**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					
		Months													Auris NRE180 ZRE185 NDE180 ADE186	Auris HSD ZWE186				
MAINTENANCE ITEMS		× 1,000 km	1	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90	2012/10	2012/11			
		× 1,000 miles	1	4.5	9	13.5	18	22.5	27	31.5	36	40.5	45	49.5	54					
Front Differential oil	M/T model	LV Gear oil API GL-4	Normal						I								●			
			Severe						R									●		
	A/T model	Toyota Genuine ATF WS	Normal							I						I				
			Normal																●	
		Severe								I						R			●	
		Toyota Genuine CVTF TC	Normal								I									
			Severe								I						R			
		Toyota Genuine CVTF FE	Normal																	●
	Severe									I						R			●	
	Differential separated from transmission (API Gear oil GL-5)																R			
Rear differential oil	API Gear oil GL-5															R				
	A/T fluid WS		Normal							I						I				
			Severe													R				
Wheel bearing grease (tapered roller type wheel bearing only) and ball joint grease		NLGI No. 2	Normal													R				
			Severe		R					R					R					
Front and rear suspension			Normal						I						I			●	●	
			Severe		I				I						I			●	●	
Active height control suspension fluid - Suspension fluid AHC or equivalent																R				
Active height control gas chamber																I: initial 48 months; then every 12 months				
Bolts and nuts on chassis and body *2			Severe only		T				T						T			●	●	
Tires and inflation pressure			Normal													I		●	●	
			Severe		I				I						I			●	●	
Particle filter	Pollen removal type	Normal														R		●*	●*	
		Dusty road			R				R							R		●*	●*	
		Normal			I				I							R				
		Dusty road			I	R			I	R						R				
	1*				R				R						R					
	Standard type & high efficiency type	Normal														R				
			Dusty road												R					
Combination filter	Combination filter (high efficiency type)	Normal														R				
		Dusty road				R	R		R	R						R				
		Replace when the service indicator light illuminates																		
Corrosion Inspection																I		●	●	

1\*: with Solar power ventilation system  
2\*: For seat mounting bolts, front and rear suspension member retaining bolts.

\*: stamped "C"

\*: stamped "C"