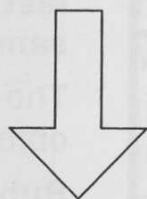


—Maintenance schedule requirements

Your Toyota needs to be serviced in accordance with the normal maintenance schedule. (See “—Maintenance schedule” on page 211.)



If you mainly operate your Toyota under one or more of the special operating conditions below, some of the maintenance schedule items need to be serviced more frequently. (See “—The additional maintenance schedule” on page 216.)

A. Road condition

1. Operating on rough, muddy or melted-snow roads
2. Operating on dusty roads
3. Operating on roads with road salt applied
4. Diesel engine only: Operating frequently higher than 2000 m (6252 ft.) above sea level.
5. Diesel engine only: Operating on excessively dusty roads, such as in a mine.

B. Driving condition

1. Using a camper or car top carrier
2. Repeated short trips less than 8 km (5 miles) and outside temperature remains below freezing
3. Extensive idling and/or low speed driving for a long distance such as police cars, taxis or door-to-door calls
4. Continuous high speed driving (80% or more of maximum vehicle speed) for over 2 hours

aintenance schedule

ce operations:

I = Inspect and correct or replace as necessary; R = Replace, change or lubricate; L = Lubricate.

INTERVAL:	ODOMETER READING																	MONTHS
reading or months,	× 1000 km	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
comes first.)	× 1000 miles	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	

GINE COMPONENTS

belt (diesel engine)	Replace every 150000 km (90000 miles).																	
clearance (diesel engine)																		
note 1.»									I								I	48
elts																		
ne engine				I					I				I				I	24
engine	Inspect at first 100000 km (60000 miles) or 72 months, and every 20000 km (12000 miles) or 12 months ever since.																	
oil																		
ne engine (API SL or SM, or ILSAC)		R		R		R		R		R		R		R		R		12
engine (G-DLD-1, API CF-4 or API CF)																		
note 2.»		R		R		R		R		R		R		R		R		12
oil filter		R		R		R		R		R		R		R		R		12

ne valve clearance using thickness gauge and adjust if necessary.
also use API CE or CD.

Maintenance operations: I = Inspect and correct or replace as necessary; R = Replace, change or lubricate; L = Lubricate

SERVICE INTERVAL: Odometer reading or months, (whichever comes first.)	ODOMETER READING																
	× 1000 km	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
	× 1000 miles	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48

Cooling and heater system «See notes 3 and 4.»	.	.	.	.	.	.	.	.	I	.	.	.	.	.	.	.	I
Engine coolant «See notes 5 and 6.»	.	.	.	.	.	.	.	.	I	.	.	.	.	.	.	.	I
Exhaust pipes and mountings	.	.	.	I	.	.	.	.	I	.	.	.	I	.	.	.	I
IGNITION SYSTEM																	
Spark plugs (gasoline engine)	.	.	.	.	.	.	.	.	R	.	.	.	.	.	.	.	R
Battery	.	I	.	I	.	I	.	I	I	.	I	.	I	.	I	.	I

NOTE:
 After 80000 km (48000 miles) or 48 months, inspect every 20000 km (12000 miles) or 12 months.
 Check that the radiator and condenser are not blocked with leaves, dirt or insects, and clean them if necessary, and check the hose connection for the installation condition, corrosion etc.
 Replace at 160000 km (96000 miles) then every 80000 km (48000 miles).
 Only use "Toyota Super Long Life Coolant" or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and coolant with long-life hybrid organic acid technology. (Coolant with long-life hybrid organic acid technology is a combination of phosphates and organic acids.) See "Checking the engine coolant level" on page 231 for details of coolant type selection.

Operations: **I** = Inspect and correct or replace as necessary; **R** = Replace, change or lubricate; **L** = Lubricate

INTERVAL:	ODOMETER READING	MONTH																
Reading or months, (whichever comes first.)	× 1000 km	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
	× 1000 miles	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	

EMISSION CONTROL SYSTEMS

Engine (gasoline engine) «See note 7.»	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	R	96
Air filter (diesel engine)	.	I	.	I	.	I	.	I	.	I	.	I	.	I	.	I	I	12
Oil filter	.	.	.	I	.	.	.	R	.	.	.	I	.	.	.	.	R	I: 24 R: 48
Water pump	I	I	I	I	I	R	I	I	I	I	I	R	I	I	I	I	I	I: 6 R: 36
Exhaust manifold (diesel engine)	.	.	.	.	.	.	.	I	.	.	.	.	.	.	.	.	I	48
Check cap, fuel lines, connections	.	.	.	.	.	.	.	I	.	.	.	.	.	.	.	.	I	24
Vapor control valve «See note 8.»	.	.	.	.	.	.	.	I	.	.	.	.	.	.	.	.	I	24
Charcoal canister (gasoline engine)	.	.	.	.	.	.	.	I	.	.	.	.	.	.	.	.	I	24

Oil filter for a diesel engine does not need to be replaced periodically.

Every 20000 km (12000 miles) or 12 months, inspect every 20000 km (12000 miles) or 12 months.

Maintenance operations:

I = Inspect and correct or replace as necessary; **R** = Replace, change or lubricate; **L** = Lubricate

SERVICE INTERVAL:

Odometer reading or months,
whichever comes first.)

ODOMETER READING

× 1000 km	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
× 1000 miles	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48

CHASSIS AND BODY

7 Brake pedal and parking brake .....	.	I	.	I	.	I	.	I	.	I	.	I	.	I	.	I
8 Brake linings and drums .....	.	.	.	I	.	.	.	I	.	.	.	I	.	.	.	I
9 Brake pads and discs .....	.	I	.	I	.	I	.	I	.	.	.	I	.	.	.	I
0 Brake fluid .....	.	I	.	I	.	I	.	R	.	I	.	I	.	I	.	R
Clutch fluid .....	.	I	.	I	.	I	.	I	.	I	.	I	.	I	.	I
2 Brake pipes and hoses .....	.	.	.	I	.	.	.	I	.	.	.	I	.	.	.	I
3 Vacuum pump for brake booster (diesel engine) «See note 9.»	Inspect every 200000 km (120000 miles).															
Power steering fluid .....	.	I	.	I	.	I	.	I	.	I	.	I	.	I	.	I
Steering wheel, linkage and gear box .....	.	.	.	I	.	.	.	I	.	.	.	I	.	.	.	I
Propeller shafts grease «See notes 10 and 11.» ..	.	L	.	L	.	L	.	L	.	L	.	L	.	L	.	L
Ball joint and dust cover .....	.	I	.	I	.	I	.	I	.	I	.	I	.	I	.	I

NOTE:

- Replace the blade with new one and never reuse the blade.
- After submerged, be sure to apply grease within 24 hours regardless of the maintenance intervals.
- The tightening bolts also should be checked.

ence operations:

I = Inspect and correct or replace as necessary; **R** = Replace, change or lubricate; **L** = Lubricate

INTERVAL:	ODOMETER READING																	MONTHS
(or reading or months, whichever comes first.)	× 1000 km	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
	× 1000 miles	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	
Frontal gear oil .....	.	.	.	I	.	.	.	R	.	.	.	I	.	.	.	R	I: 12 R: 48
Frontal transmission oil .....	.	.	.	.	.	.	.	I	.	.	.	.	.	.	.	I	48
Front and rear suspensions .....	.	.	.	I	.	.	.	I	.	.	.	I	.	.	.	I	12
Front and inflation pressure .....	.	I	.	I	.	I	.	I	.	I	.	I	.	I	.	I	6
Front lights, horns, wipers and washer .....	.	I	.	I	.	I	.	I	.	I	.	I	.	I	.	I	6
Front conditioning filter .....	.	.	.	.	.	R	.	.	.	.	.	R	.	.	.	.	—
Front CONDITIONING/COOLER REFRIGERANT .....	.	.	.	I	.	.	.	I	.	.	.	I	.	.	.	I	12

he additional maintenance schedule

r to the following tables for maintenance schedule items requiring more frequent service specific to the type of spec
itions. (For outline, see "—Maintenance schedule requirements" on page 210.)

: Operating on rough, muddy or melted-snow roads

Inspection of brake linings and drums	Every 10000 km (6000 miles) or 6 months
Inspection of brake pads and discs	Every 5000 km (3000 miles) or 3 months
Inspection of brake pipes and hoses	Every 10000 km (6000 miles) or 6 months
Lubrication of propeller shafts grease «See notes 12 and 13.»	Every 5000 km (3000 miles) or 3 months
Inspection of steering wheel, linkage and gear box	Every 5000 km (3000 miles) or 3 months
Inspection of front and rear suspensions	Every 10000 km (6000 miles) or 6 months
Tightening of bolts and nuts on chassis and body «See note 14.»	Every 10000 km (6000 miles) or 6 months

E:
After submerged, be sure to apply grease within 24 hours regardless of the maintenance intervals.
The tightening bolts also should be checked.
For seat mounting bolts, and front and rear suspension member bolts.

Operating on dusty roads

Replacement of engine oil

Replacement of engine oil filter

Inspection or replacement of air cleaner filter

Every 5000 km (3000 miles) or 6 months

Every 5000 km (3000 miles) or 6 months

Gasoline engine;

I: Every 10000 km (6000 miles) or 12 months

R: Every 40000 km (24000 miles) or 48 months

Diesel engine;

I: Every 2500 km (1500 miles) or 3 months

R: Every 30000 km (18000 miles) or 36 months

Every 10000 km (6000 miles) or 6 months

Every 5000 km (3000 miles) or 3 months

Every 5000 km (3000 miles) or 3 months

Every 30000 km (18000 miles)

Inspection of brake linings and drums

Inspection of brake pads and discs

Inspection of propeller shafts grease «See notes 15 and 16.»

Replacement of air conditioning filter

Operating on roads with road salt applied

Inspection of propeller shafts grease «See notes 15 and 16.»

Every 5000 km (3000 miles) or 3 months

Gas engine only: Operating frequently higher than 2000 m (6252 ft.) above sea level

Replacement of engine oil

Every 5000 km (3000 miles) or 6 months

When submerged, be sure to apply grease within 24 hours regardless of the maintenance intervals.
Tightening bolts also should be checked.

Operating on dusty roads

Replacement of engine oil

Replacement of engine oil filter

Inspection or replacement of air cleaner filter

Every 5000 km (3000 miles) or 6 months

Every 5000 km (3000 miles) or 6 months

Gasoline engine;

I: Every 10000 km (6000 miles) or 12 months

R: Every 40000 km (24000 miles) or 48 months

Diesel engine;

I: Every 2500 km (1500 miles) or 3 months

R: Every 30000 km (18000 miles) or 36 months

Every 10000 km (6000 miles) or 6 months

Every 5000 km (3000 miles) or 3 months

Every 5000 km (3000 miles) or 3 months

Every 30000 km (18000 miles)

Inspection of brake linings and drums

Inspection of brake pads and discs

Inspection of propeller shafts grease «See notes 15 and 16.»

Replacement of air conditioning filter

Operating on roads with road salt applied

Inspection of propeller shafts grease «See notes 15 and 16.»

Every 5000 km (3000 miles) or 3 months

Marine engine only: Operating frequently higher than 2000 m (6252 ft.) above sea level

Replacement of engine oil

Every 5000 km (3000 miles) or 6 months

When submerged, be sure to apply grease within 24 hours regardless of the maintenance intervals.
Tightening bolts also should be checked.

: Diesel engine only: Operating on excessively dusty roads, such as in a mine. «See note 17.»

Inspection of timing belt	Every 30000 km (18000 miles)
Inspection of timing pulley	Every 30000 km (18000 miles)
Cleaning of timing belt cover	Every 30000 km (18000 miles)

: Using a camper or car top carrier

Replacement of engine oil	Every 5000 km (3000 miles) or 6 months
Replacement of engine oil filter	Every 5000 km (3000 miles) or 6 months
Inspection of brake linings and drums	Every 10000 km (6000 miles) or 6 months
Inspection of brake pads and discs	Every 5000 km (3000 miles) or 3 months
Replacement of manual transmission oil	Every 40000 km (24000 miles) or 48 months
Replacement of differential gear oil	Every 20000 km (12000 miles) or 24 months
Lubrication of propeller shafts grease «See notes 18 and 19.»	Every 5000 km (3000 miles) or 3 months
Inspection of front and rear suspensions	Every 10000 km (6000 miles) or 6 months
Tightening of bolts and nuts on chassis and body «See note 20.»	Every 10000 km (6000 miles) or 6 months

NOTE:

Inspect for cracks on the timing belt or abnormal wear on the timing pulley. Then, remove sand and dust in the timing belt area.
After submerged, be sure to apply grease within 24 hours regardless of the maintenance intervals.
The tightening bolts also should be checked.
For seat mounting bolts, and front and rear suspension member bolts.