

MAINTENANCE SCHEDULE

MAINTENANCE OPERATIONS

Jun. 2008

MG1/5-40

MEXICO
ENGINE No.1

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



| SERVICE INTERVALS (Odometer reading or months, whichever comes first) | ×1,000 km | Interval in Months | | | | | | | | | | | | | | 3SZ-VE | 3SZ-VE | 3SZ-VE | 1NZ-FE | 1NZ-FE | 1NZ-FE | 1NZ-FE | 1ZZ-FE | 2ZR-FE | 2ZR-FE | | | | | | | | | | |
|---|---|--|--|----|----|----|----|----|----|----|----|----|----|----|------|--------|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| | | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | | | | | | | | | | | 75 | 80 | | | | | | | | |
| MAINTENANCE ITEMS | ×1,000 miles | Interval in Months | | | | | | | | | | | | | | 06/10 | 08/10 | 08/11 | 07/08 | 08/08 | 07/08 | 08/08 | 08/03 | 07/12 | 08/01 | | | | | | | | | | |
| | | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 42 | | | | | | | | | | | 45 | 48 | | | | | | | | |
| Timing belt | Replace at every 150,000 km (90,000 miles) | | | | | | | | | | | | | | - | | | | | | | | | | | | | | | | | | | | |
| Valve clearance | Sensory inspection *1 | | | | | | | | | | | | | | 96 M | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | |
| Drive belts | I | | | | | | | | | | | | | | 24 M | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | |
| Engine oil | API: SL, SM or ILSAC | Normal | R | R | R | R | R | R | R | R | R | R | R | R | R | R | 6 M | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| | | Severe | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | 3 M | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Engine oil filter | | Normal | R | R | R | R | R | R | R | R | R | R | R | R | R | R | 12 M | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| | | Severe | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | 6 M | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| Cooling and heater system *2 and *3 | I | | | | | | | | | | | | | | 24 M | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | |
| Engine coolant | Toyota Genuine LLC (Red) or Super LLC (Pink) *5 | U-IMV and Rush only | | | | | | | | | | | | | | R | 24 M | • | • | • | | | | | | | | | | | | | | | |
| | | Inspect | | | | | | | | | | | | | | I | - | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | | |
| | | Replace *6 | First replace at 160,000 km (100,000 miles), then replace at every 80,000 km (50,000 miles). | | | | | | | | | | | | | | - | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | | |
| Engine oil cooler hoses and connections *2 | I | | | | | | | | | | | | | | 24 M | | | | | | | | | | | | | | | | | | | | |
| Exhaust pipes and mountings | I | | | | | | | | | | | | | | 12 M | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| Spark plugs | Platinum or iridium tipped type | Replace at every 100,000 km (60,000 miles) | | | | | | | | | | | | | | - | | | | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| | | Others | | | | | | | | | | | | | | R | 48 M | | | | | | | | | | | | | | | | | | |
| Battery | U-IMV and Rush only | | | | | | | | | | | | | | R | 24 M | • | • | • | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | I | 12 M | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | |
| Fuel filter *4 | I | | | | | | | | | | | | | | 12 M | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | (1) | | |
| Air cleaner filter (Include checking Pre-air cleaner if it equipped) | Paper type | Normal | | | | | | | | | | | | | I | 24 M | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | |
| | | Dusty road | Inspect at every 2,500 km (1,500 miles), Replace at every 40,000 km (24,000 miles) | | | | | | | | | | | | | | I: 3 M, R: 48 M | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| | | Normal | | | | | | | | | | | | | | I | 24 M | | | | | | | | | | | | | | | | | | |
| | | Dusty road | I | I | I | I | R | I | I | I | I | I | I | I | I | R | 12 M | | | | | | | | | | | | | | | | | | |
| | TNF type | Normal | Inspect at every 10,000 km (6,000 miles), Replace at every 100,000 km (60,000 miles) | | | | | | | | | | | | | | I: 12 M, R: 120 M | | | | | | | | | | | | | | | | | | |
| | | Dusty road | Inspect at every 5,000 km (3,000 miles), Replace at every 100,000 km (60,000 miles) | | | | | | | | | | | | | | I: 6 M, R: 120 M | | | | | | | | | | | | | | | | | | |
| Fuel tank cap, fuel lines, connections and fuel vapor control valve *2 | I | | | | | | | | | | | | | | 24 M | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |
| Charcoal canister | I | | | | | | | | | | | | | | 24 M | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | |

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

(1): Only General maintenance page in Owner's Manual.

*2: After 80,000 km (48,000 miles) or 48 months inspection, inspect at every 20,000 km (12,000 miles) or 12 months.

*3: Check that the radiator, condenser and/or intercooler are not blocked with leaves, dirt or insects, and clean them if necessary.
Also check the hose connection for the installation condition, corrosion etc.

*4: Including the filter in fuel tank.

*5: Only use "Toyota Super Long Life Coolant" or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, 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.)

*6: It is not necessary to inspect the Super LLC level when replacing the Super LLC.

MAINTENANCE SCHEDULE

MAINTENANCE OPERATIONS

Jun. 2008

MG4/5-14

MEXICO
ENGINE No.4

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

| SERVICE INTERVALS (Odometer reading or months, whichever comes first) | | x1,000 km | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | Interval in Months | 2GR-FE | 2GR-FE | 1GR-FE | | |
|---|--|--|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------------------|------------------|--------------------|--------------------|----------------|---|
| | | | | | | | | | | | | | | | | | | | | | GSU40 GSU45 | GSU40 GSU45 | GRN265 | |
| MAINTENANCE ITEMS | | x1,000 miles | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 42 | 45 | 48 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | 08MY Highlander | 09MY Highlander | 09MY Tacoma | |
| | | | | | | | | | | | | | | | | | | | | 07/06 | 08/08 | 08/05 | | |
| Timing belt | | Replace at every 150,000 km (90,000 miles) | | | | | | | | | | | | | | | | | | - | | | | |
| Valve clearance | Sensory inspection *1 | | | | | | | | | | | | | | | | | | | 96 M | | | ● | |
| Drive belts | | | | | | | | | | | | | | | | | | | | 24 M | ● | ● | ● | |
| Engine oil | API: SL, SM or ILSAC | Normal | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | 6 M | ● | ● | ● | |
| | | Severe | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | 3 M | ● | ● | ● | |
| Engine oil filter | | Normal | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | 12 M | ● | ● | ● | | |
| | | Severe | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | 6 M | ● | ● | ● | | |
| Cooling and heater system *2 and *3 | | | | | | | | | | | | | | | | | | | | 24 M | ● | ● | ● | |
| Engine coolant | Toyota Genuine LLC (Red) or Super LLC (Pink) *5  | U-IMV and Rush only | | | | | | | | | | | | | | | | | | | 24 M | | | |
| | | Inspect | | | | | | | | | | | | | | | | | | | - | ● | ● | ● |
| | | Replace *6 | First replace at 160,000 km (100,000 miles), then replace at every 80,000 km (50,000 miles). | | | | | | | | | | | | | | | | | | - | ● | ● | ● |
| Engine oil cooler hoses and connections *2 | | | | | | | | | | | | | | | | | | | | 24 M | | | | |
| Exhaust pipes and mountings | | | | | | | | | | | | | | | | | | | | 12 M | ● | ● | ● | |
| Spark plugs | Platinum or iridium tipped type | Replace at every 100,000 km (60,000 miles) | | | | | | | | | | | | | | | | | | - | ● (2) | ● (2) | | |
| | Others  | U-IMV and Rush only | | R | | | R | | | | R | | | | R | | | | 48 M | | | ● | | |
| | | | | R | | | | | | R | | | | | | | | | 24 M | | | | | |
| Battery | | | | | | | | | | | | | | | | | | | | 12 M | (1) | (1) | (1) | |
| Fuel filter *4 | | | | | | | | | | | | | | | | | | | | 96 M | ● | ● | | |
| Air cleaner filter (Include checking Pre-air cleaner if it equipped) | Paper type | Normal | | | I | | | | R | | | | | I | | | | R | I: 24 M, R: 48 M | ● | ● | | | |
| | | Dusty road | Inspect at every 2,500 km (1,500 miles), Replace at every 40,000 km (24,000 miles) | | | | | | | | | | | | | | | | | | I: 3 M, R: 48 M | ● | ● | |
| | | Normal | | | I | | | | R | | | | | I | | | | | R | I: 24 M, R: 48 M | | | ● | |
| | | Dusty road | I | I | I | I | R | I | I | I | R | | | | | | | | | I: 12 M, R: 48 M | | | ● | |
| | TNF type | Normal | Inspect at every 10,000 km (6,000 miles), Replace at every 100,000 km (60,000 miles) | | | | | | | | | | | | | | | | | | I: 12 M, R: 120 M | | | |
| | | Dusty road | Inspect at every 5,000 km (3,000 miles), Replace at every 100,000 km (60,000 miles) | | | | | | | | | | | | | | | | | | I: 6 M, R: 120 M | | | |
| Fuel tank cap, fuel lines, connections and fuel vapor control valve *2 | | | | | | | | | | | | | | | | | | | | 24 M | ● | ● | ● | |
| Charcoal canister | | | | | | | | | | | | | | | | | | | | 24 M | | | | |

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

*2: After 80,000 km (48,000 miles) or 48 months inspection, inspect at every 20,000 km (12,000 miles) or 12 months.

*3: Check that the radiator, condenser and/or intercooler are not blocked with leaves, dirt or insects, and clean them if necessary.
Also check the hose connection for the installation condition, corrosion etc.

*4: Including the filter in fuel tank.

*5: Only use "Toyota Super Long Life Coolant" or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, 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.)

*6: It is not necessary to inspect the Super LLC level when replacing the Super LLC.

(1): Only General maintenance page in Owner's Manual.

(2): It is imperative to use the DENSO-manufactured spark plug FK20HR11 or equivalent, which enables full engine performance.

MAINTENANCE SCHEDULE

MAINTENANCE OPERATIONS

Jun. 2008

MG5/5-6

MEXICO
ENGINE No.5

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

| SERVICE INTERVALS (Odometer reading or months, whichever comes first) | ×1,000 km | Interval in Months | | | | | | | | | | | | | | | | |
|---|---|--|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| | | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | |
| | | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 42 | 45 | 48 | |
| MAINTENANCE ITEMS | | | | | | | | | | | | | | | | | | |
| Timing belt | Replace at every 150,000 km (90,000 miles) | | | | | | | | | | | | | | | | | |
| Valve clearance | Sensory inspection *1 | | | | | | | | | | | | | | | | I | |
| Drive belts | | | | I | | | | I | | | | | I | | | | I | |
| Engine oil | API: SL, SM or ILSAC | Normal | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | |
| | | Severe | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | |
| Engine oil filter | | Normal | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | |
| | | Severe | R | R | R | R | R | R | R | R | R | R | R | R | R | R | R | |
| Cooling and heater system *2 and *3 | | | | | | | | I | | | | | | | | | I | |
| Engine coolant | Toyota Genuine LLC (Red) or Super LLC (Pink) *5 | U-IMV and Rush only | | | | | | | | | | | | | | | R | |
| | | Inspect | | | | | | | | | | | | | | | I | |
| | | Replace *6 | First replace at 160,000 km (100,000 miles), then replace at every 80,000 km (50,000 miles). | | | | | | | | | | | | | | | |
| Engine oil cooler hoses and connections *2 | | | | | | | | | | | | | | | | | I | |
| Exhaust pipes and mountings | | | | I | | | | I | | | | | I | | | | I | |
| Spark plugs | Platinum or iridium tipped type | Replace at every 100,000 km (60,000 miles) | | | | | | | | | | | | | | | | |
| | Others | | | | | | | | | | | | | | | | R | |
| Battery | | | | I | | I | | I | | I | | I | | I | | I | I | |
| Fuel filter *4 | | | | | | | | | | | | | | | | | R | |
| Air cleaner filter (Include checking Pre-air cleaner if it equipped) | Paper type | Normal | | | | | | | | | | | | | | | R | |
| | | Dusty road | Inspect at every 2,500 km (1,500 miles), Replace at every 40,000 km (24,000 miles) | | | | | | | | | | | | | | | |
| | | Normal | | | | | | | | | | | | | | | | R |
| | | Dusty road | | | I | | | | | | | | | | | | | R |
| | TNF type | Normal | Inspect at every 10,000 km (6,000 miles), Replace at every 100,000 km (60,000 miles) | | | | | | | | | | | | | | | |
| | | Dusty road | Inspect at every 5,000 km (3,000 miles), Replace at every 100,000 km (60,000 miles) | | | | | | | | | | | | | | | |
| Fuel tank cap, fuel lines, connections and fuel vapor control valve *2 | | | | | | | | | | | | | | | | | I | |
| Charcoal canister | | | | | | | | | | | | | | | | | I | |

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

*2: After 80,000 km (48,000 miles) or 48 months inspection, inspect at every 20,000 km (12,000 miles) or 12 months.

*3: Check that the radiator, condenser and/or intercooler are not blocked with leaves, dirt or insects, and clean them if necessary.
Also check the hose connection for the installation condition, corrosion etc.

*4: Including the filter in fuel tank.

*5: Only use "Toyota Super Long Life Coolant" or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, 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.)

*6: It is not necessary to inspect the Super LLC level when replacing the Super LLC.

(1): Only General maintenance page in Owner's Manual.