

# SCHEDULED MAINTENANCE

B3E000000013W01

## Scheduled Maintenance Table

For Europe (L.H.D. U.K.)

Maintenance Item	Number of months or kilometers (miles), whichever comes first									
	Months	12	24	36	48	60	72	84	96	108
	× 1000 km	20	40	60	80	100	120	140	160	180
	× 1000 miles	12.5	25	37.5	50	62.5	75	87.5	100	112.5
ENGINE										
Engine oil* <sup>1</sup>	R	R	R	R	R	R	R	R	R	R
Engine oil filter* <sup>1</sup>	R	R	R	R	R	R	R	R	R	R
Engine timing chain	Inspect every 240,000 km (150,000 miles)									
Engine valve clearance	Audible inspect every 120,000 km (75,000 miles), if noisy, adjust									
Drive belt* <sup>2</sup>			I			I				I
Idle speed (Z6)	I		I		I		I			I
COOLING SYSTEM										
Cooling system		I		I		I		I		
Engine coolant	Replace at first 100,000 km (62,500 miles) or 48 months; after that, every 24 months									
FUEL SYSTEM										
Air cleaner element* <sup>3</sup>	Z6	C	C	R	C	C	R	C	C	R
	LF			R			R			R
Fuel lines and hoses		I		I		I		I		
Evaporative system (if installed)			I			I				I
IGNITION SYSTEM										
Spark plugs	Replace every 120,000 km (75,000 miles)									
ELECTRICAL SYSTEM										
Battery electrolyte level and specific gravity	I	I	I	I	I	I	I	I	I	I
CHASSIS & BODY										
Brake lines, hoses and connections	I	I	I	I	I	I	I	I	I	I
Brake fluid* <sup>4</sup>		R		R		R		R		
Parking brake	I	I	I	I	I	I	I	I	I	I
Disc brakes	I	I	I	I	I	I	I	I	I	I
Steering operation and linkages		I		I		I		I		
Front and rear suspension and ball joints		I		I		I		I		
Power steering fluid, lines, hoses and connections	I	I	I	I	I	I	I	I	I	I
Manual transaxle oil					R					
Automatic transaxle fluid level			I			I				I
Drive shaft dust boots		I		I		I		I		

Body condition (for rust, corrosion and perforation)	Inspect annually									
Exhaust system heat shields	Inspect every 80,000 km (50,000 miles) or 60 months									
Tyres (including spare tyre) (with inflation pressure adjustment)	I	I	I	I	I	I	I	I	I	I
<b>AIR CONDITIONER SYSTEM</b>										
Cabin air filter (If installed)		R		R		R		R		

**Chart symbols**

**I** : Inspect: Inspect and repair, clean, adjust, or replace if necessary.

**R** : Replace

**C** : Clean

**Remarks**

- The ignition and fuel systems are highly important to the emission control systems and to efficient engine operation.  
All inspections and adjustments must be made by an expert repairer, we recommend an Authorized Mazda Repairer.
- After the prescribed period, continue to follow the described maintenance at the recommended intervals.
- Refer below for a description of items marked\* in the maintenance chart.

\*1: If the vehicle is operated under any of the following conditions, change the engine oil and oil filter every 10,000 km {6,250 miles} or shorter.

- Driving in dusty conditions.
- Extended periods of idling or low speed operation.
- Driving for long period in cold temperatures or driving regularly at short distance only.

\*2: Also inspect and adjust the power steering and air conditioner drive belts, if installed.

\*3: If the vehicle is operated in very dusty or sandy areas, clean and if necessary, replace the air cleaner element more often than the recommended intervals.

\*4: If the brakes are used extensively (for example, continuous hard driving or mountain driving) or if the vehicle is operated in extremely humid climates, change the brake fluid annually.

**For Israel**

Maintenance Item	Maintenance Interval (Number of months or km (miles), whichever comes first)													
	Months	12	24	36	48	60	72	84	96	108	120	132	144	
	×1000 km	15	30	45	60	75	90	105	120	135	150	165	180	
	×1000 miles	9	18	27	36	45	54	63	75	81	90	99	108	
ENGINE														
Engine oil	*1	R	R	R	R	R	R	R	R	R	R	R	R	
Engine Oil filter	*1	R	R	R	R	R	R	R	R	R	R	R	R	
Engine timing chain		Inspect every 240,000 km (150,000 miles)												
Engine valve clearance		Audible inspect every 120,000 km (75,000 miles), if noisy, adjust												
Drive belts	*2	I	I	I	I	I	I	I	I	I	I	I	I	
Idle speed (Z6)		I		I		I		I		I		I		
COOLING SYSTEM														
Cooling system			I		I		I		I		I		I	
Engine coolant		Replace at first 90,000 km (54,000miles) or 48 months; after that, every 24 months												
FUEL SYSTEM														

Air cleaner element	*3	C	C	C	R	C	C	C	R	C	C	C	R
Fuel filter					R					R			
Fuel lines & hoses		I		I		I			I		I		I
IGNITION SYSTEM													
Spark plugs	Replace every 120,000 km (72,000 miles) or 36 months												
EMISSION CONTROL SYSTEM													
Evaporative system (if installed)				I				I					I
ELECTRICAL SYSTEM													
Battery electrolyte level and specific gravity		I		I		I		I		I		I	
All electrical system	*4	I	I	I	I	I	I	I	I	I	I	I	I
CHASSIS & BODY													
Brake lines, hoses and connections		I	I	I	I	I	I	I	I	I	I	I	I
Brake fluid	*5	I	R	I	R	I	R	I	R	I	R	I	R
Parking brake		I	I	I	I	I	I	I	I	I	I	I	I
Power brake unit (brake booster) and hoses		I	I	I	I	I	I	I	I	I	I	I	I
Disc brakes		I	I	I	I	I	I	I	I	I	I	I	I
Power steering fluid, lines, hoses, and connections		I	I	I	I	I	I	I	I	I	I	I	I
Steering operation and linkages		I		I		I		I		I		I	
Automatic transaxle fluid level		I		I		I		I		I		I	
Front and rear suspension and ball joints			I			I			I			I	
Drive shaft dust boots			I			I			I			I	
Exhaust system and heat shields	Inspect every 75,000km (45,000km)												
Body condition (for rust, corrosion & perforation)	Inspect annually												
Tyres (including spare tyre) (with inflation pressure adjustment)		I	I	I	I	I	I	I	I	I	I	I	I
AIR CONDITIONER SYSTEM													
Cabin air filter (if installed)		R	R	R	R	R	R	R	R	R	R	R	R

**Chart symbols**

**I** : Inspect: Inspect and clean, repair, adjust, or replace if necessary.

**R** : Replace

**C** : Clean

**Remarks**

Emission control and related systems

- The ignition and fuel systems are highly important to the emission control systems and to efficient engine operation.  
All inspections and adjustments must be made by an expert repairer, we recommend an Authorized Mazda Repairer.
- To ensure efficient operation of the engine and all systems related to emission control, the ignition and fuel systems must be serviced regularly. It is strongly recommended that all servicing related to these systems be done by an authorized Mazda Dealer.
- After the prescribed period, continue to follow the described maintenance at the recommended intervals.

• Refer below for a description of items marked\* in the maintenance chart.

\*1: If the vehicle is operated under any of the following conditions, change the engine oil and oil filter every 10,000km (6,250 miles) or shorter.

- a. Driving in dusty conditions.
- b. Extended periods of idling or low speed operation.
- c. Driving for long period in cold temperatures or driving regularly at short distance only.

\*2: Also inspect and adjust the air conditioner drive belts, if installed.

\*3: If the vehicle is operated in very dusty or sandy areas, clean and if necessary, replace the air cleaner element more often than the recommended intervals.

\*4: This is a full function check of electrical systems such as lights, wiper and washer systems (including wiper blades), and power windows.

\*5: If the brakes are used extensively (for example, continuous hard driving or mountain driving) or if the vehicle is operated in extremely humid climates, change the brake fluid annually.

## Scheduled Maintenance Service (Specific Work Required)

### For Europe (L.H.D. U.K.)

Maintenance Item	Specific Work Required
<b>ENGINE</b>	
Engine valve clearance	Measure clearance.
Drive belts	Inspect for wear, cracks and fraying, and check tension. Replace drive belt.
Engine timing belt	Replace engine timing belt.
Engine oil	Replace engine oil and inspect for leakage.
Oil filter	Replace oil filter and inspect for leakage.
Oil by-pass filter	Replace oil by-pass filter and inspect for leakage.
<b>COOLING SYSTEM</b>	
Cooling system (including coolant level adjustment)	Check coolant level and quality, and inspect for leakage.
Engine coolant	Replace coolant.
<b>FUEL SYSTEM</b>	
Idle speed	Check engine idle rpm.
Idle mixture (for CIS & carburetor leaded fuel)	Check the CO and HC concentrations (see W/M).
Choke system (for carburetor)	Check system operation.
Air cleaner element	Inspect for dirt, oil and damage. Clean air cleaner element (by blowing air). Replace air cleaner element.
Fuel filter	Replace fuel filter.
Fuel lines & hoses	Inspect for cracks, leakage and loose connection.
<b>IGNITION SYSTEM (FOR GASOLINE)</b>	
Initial ignition timing	Check initial ignition timing.
Spark plugs	Inspect for wear, damage, carbon, high-tension lead condition and measure plug gap. Replace spark plugs.
<b>EMISSION CONTROL SYSTEM (FOR GASOLINE)</b>	
Evaporative system	Check system operation (see W/M), vapor lines, vacuum fitting hoses and connection.
Throttle positioner system	Check the diaphragm and system operation, vacuum fitting hoses and connection.

Dash pot (for carburetor)	Check system operation.
E.G.R. system	Check system operation (see W/M), vacuum fitting hoses and connection.
<b>ELECTRICAL SYSTEM</b>	
Battery electrolyte level & specific gravity	Check level and specific gravity.
Battery condition	Check the battery for corroded or loose connections and cracks in the case (for maintenance free type).
All electrical system	Check function of lighting system, windshield wiper (including wiper blade condition) and washer and power windows.
Headlight alignment	Check headlight alignment
<b>CHASSIS &amp; BODY</b>	
Brake & clutch pedals	Check pedal height and free play.
Brake fluid	Check fluid level and inspect for leakage. Replace brake fluid.
Clutch fluid	Check fluid level and inspect for leakage.
Brake lines, hoses & connections	Inspect for cracks, damage, chafing, corrosion, scars, swelling and fluid leakage.
Parking brake	Check lever stroke.
Power brake unit & hoses	Check vacuum lines, connections and check valve for improper attachment, air tightness, cracks chafing and deterioration.
Disc brakes	Test for judder and noise. Inspect caliper for correct operation and fluid leakage, brake pads for wear. Check disc plate condition and thickness.
Drum brakes	Test for judder and noise. Inspect brake drum for wear and scratches; brake lining for wear, peeling and cracks; and wheel cylinder for fluid leakage.
Manual steering gear oil	Check gear oil level.
Power steering fluid, lines, hoses & connections	Check fluid level and condition. Inspect for loose connection, routing, damage, and leaks.
Steering operation & linkages	Check steering wheel free play, hard steering, and operation noise. Check linkages, boots and ball joints condition. Check grease or gear oil.
Power steering fluid & lines	Check fluid level and lines for improper attachment, leakage, cracks, damage, loose connections, chafing and deterioration.
Power steering fluid	Check fluid level.
Power steering system & hoses	Check lines for improper attachment, leakage, cracks, damage, loose connections, chafing and deterioration.
Steering & front suspension	Check free play of steering system, inspect shock absorbers for correct damping force, oil leakage, damage and looseness, and inspect coil springs, arms, links and stabilizer for damage and looseness.
Steering operation & gear housing	Check that the steering wheel has the specified play. Be sure to check for changes, such as excessive play, hard steering or strange noises. Check gear housing and boots for looseness, damage and grease/gear oil leakage.
Steering linkages tie rod ends & arms	Check ball joint, dust cover and other components for looseness, wear, damage and grease leakage.
Front & rear suspension ball joints	Inspect for grease leakage, cracks, damage and looseness.
Manual transmission/transaxle oil	Check oil level and inspect for leakage. Replace manual transmission/transaxle oil.
Automatic transaxle oil level	Check oil level.
Automatic transmission/transaxle fluid level	Check fluid level.
Automatic transmission/transaxle fluid	Replace automatic transmission/transaxle fluid.

Front & rear differential oil	Check oil level and inspect for leakage. Replace front & rear differential oil.
Rear differential oil	Check oil level and inspect for leakage. Replace rear differential oil.
Transfer oil	Check oil level and inspect for leakage. Replace transfer oil.
Upper arm shafts (for B-Series)	Lubricate the upper arm shafts for looseness or damage.
Front & rear wheel bearing grease	Remove wheel bearing and replace the grease.
Propeller shaft joints (with grease nipple)	Lubricate propeller shaft joints.
Drive shaft dust boots	Inspect for grease leakage, cracks, damage and looseness.
Wheel nuts	Tighten wheel nuts.
Bolts & nuts on chassis & body	Tighten bolts and nuts fastening suspension components, members and seat frames.
Bolts & nuts on seats	Move the seat back and forth and side to side to check for squeaking or rattling. If there is any squeaking or rattling, retorque bolts and nuts fastening seat frames.
Body condition (for rust, corrosion & perforation)	Inspect body surface for paint damage, rust, corrosion and perforation.
Exhaust system heat shields	Inspect for damage, corrosion, looseness of connections and gas leakage.
Tires (including spare tire) (with inflation pressure adjustment)	Check air pressure and inspect tires for tread wear, damage and cracks; and wheels for damage and corrosion.
Flat tire repair kit	Check the tire repair fluid expiration date every year when performing the periodic maintenance. Replace the tire repair fluid bottle with new one before the expiration date.
Hinges & catches	Lubricate hinges and catches of doors, trunk lid and hood.
Seat belts	Inspect seat belt webbing for scratches, tears and wear, and check anchor bolt tightness.
Rear suspension uni-ball & sliding rubber bushing (for RX-7)	Inspect for cracks, damage and looseness.
Underside of vehicle	Inspect underside of vehicle (floor pans, frames, fuel lines, around exhaust system, etc.) for damage and corrosion.
Road test	Check brake operation/clutch operation/steering control/operation of meters and gauges/squeaks, rattles or unusual noises/engine general performance/emergency locking retractors.
<b>AIR CONDITIONER SYSTEM</b>	
Refrigerant amount	Check refrigerant amount.
Compressor operation	Check compressor operation, and inspect for noise, oil leakage, cracks and refrigerant leakage.
Cabin air filter	Replace cabin air filter.
<b>4WS SYSTEM</b>	
Front & rear power steering system & hoses	Check lines for improper attachment, leaks, cracks, damage, loose connections, chafing and deterioration.
4WS operation & linkages	Inspect for leakage, cracks, damage and looseness.
Rear wheel steering angle	Inspect for rear wheel steering angle.
Rear suspension outer ball joints	Inspect for grease leakage, cracks, damage and looseness.