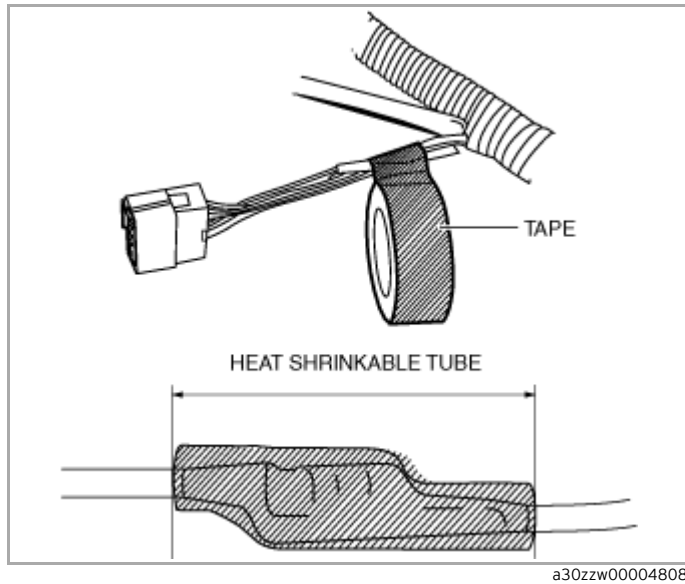


# Your Ultimate Source for OEM Repair Manuals

FactoryManuals.net is a great resource for anyone who wants to save money on repairs by doing their own work. The manuals provide detailed instructions and diagrams that make it easy to understand how to fix a vehicle.

## 1978 MAZDA RX-2 OEM Service and Repair Workshop Manual

[Go to manual page](#)



#### Caution

- Remove moisture, oil, and dust from the area to be taped before doing the taping.
- Firmly tape the ends so that they do not peel off.
- Always overlap the tape when wrapping.
- Wrap the tape until it completely covers the heat-shrinkable tubing.

VENT	Ventilation
1GR	First Gear
2GR	Second Gear
2WD	2-Wheel Drive
3GR	Third Gear
4GR	Fourth Gear
4SD	4 Door Sedan
5GR	Fifth Gear
5HB	5 Door Hatchback
6GR	Sixth Gear

Sample

JM3 KFBAM\*\*# 300001-  
JM3 KFBAY\*\*# 100001-  
JM3 KFBAY\*\*# 300001-  
JM3 KFBB2\*\*# 100001-  
JM3 KFBB2\*\*# 300001-  
JM3 KFBBL\*\*# 100001-  
JM3 KFBBM\*\*# 100001-  
JM3 KFBBM\*\*# 300001-  
JM3 KFBBY\*\*# 100001-  
JM3 KFBBY\*\*# 300001-  
JM3 KFBC2\*\*# 100001-  
JM3 KFBC2\*\*# 300001-  
JM3 KFBCL\*\*# 100001-  
JM3 KFBCM\*\*# 100001-  
JM3 KFBCM\*\*# 300001-  
JM3 KFBCY\*\*# 100001-  
JM3 KFBCY\*\*# 300001-  
JM3 KFBD2\*\*# 100001-  
JM3 KFBD2\*\*# 300001-  
JM3 KFBDL\*\*# 100001-  
JM3 KFBDM\*\*# 100001-  
JM3 KFBDM\*\*# 300001-  
JM3 KFBDY\*\*# 100001-  
JM3 KFBDY\*\*# 300001-  
JM3 KFBE2\*\*# 100001-  
JM3 KFBE2\*\*# 300001-  
JM3 KFBEL\*\*# 100001-  
JM3 KFBEM\*\*# 100001-  
JM3 KFBEM\*\*# 300001-  
JM3 KFBEY\*\*# 100001-  
JM3 KFBEY\*\*# 300001-  
JM3 KFBX2\*\*# 100001-  
JM3 KFBX2\*\*# 300001-  
JM3 KFBXL\*\*# 100001-  
JM3 KFBXM\*\*# 100001-  
JM3 KFBXM\*\*# 300001-  
JM3 KFBXY\*\*# 100001-  
JM3 KFBXY\*\*# 300001-

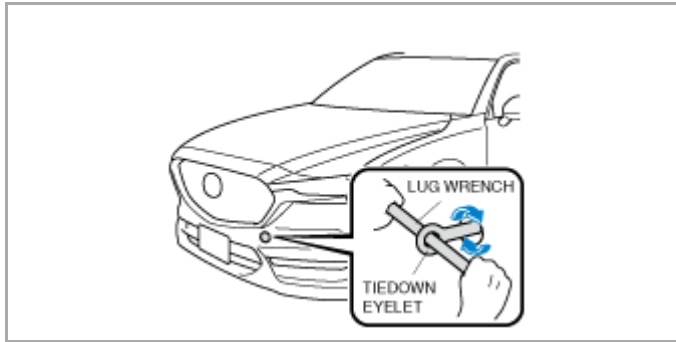
## 2022 MY

JM3 KFA\*L\*N# 500001-  
JM3 KFA\*Y\*N# 500001-  
JM3 KFB\*L\*N# 500001-  
JM3 KFB\*M\*N# 500001-  
JM3 KFB\*Y\*N# 500001-

## 2023 MY

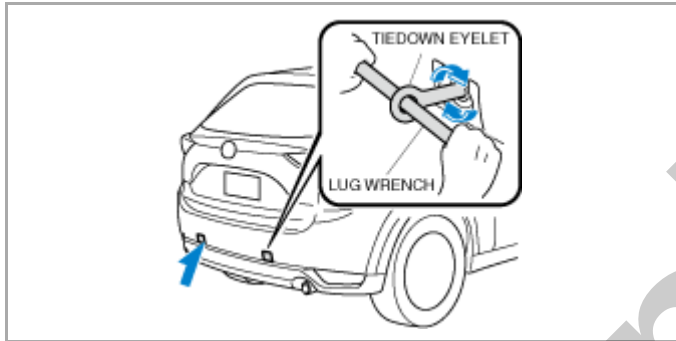
JM3 KFB\*L\*P# 100001-  
JM3 KFB\*M\*P# 100001-  
JM3 KFB\*Y\*P# 100001-  
JM3 KFA\*L\*P# 100001-  
JM3 KFA\*Y\*P# 100001-

## Front



ac5uuw00007292

## Rear



ac5uuw00007293

4. Hook the tying rope to the tiedown eyelet.

### Caution

- If the tiedown eyelet is not securely tightened, it may loosen or disengage from the bumper when tying the vehicle. Make sure that the tiedown eyelet is securely tightened to the bumper.

## Vehicle Underside

### Caution

- Do not use the tiedown hook on the end of the rear bumper for towing or transporting the vehicle. The tie down hook is used only for transporting the vehicle by ship. Using the tie down hook could cause damage to the bumper and the vehicle body.
- When transporting the vehicle by flat bed tow truck or trailer, secure the vehicle to the trailer using the holes and left tiedown loop shown in the figure.

#1:Diagnostic trouble codes depend on the diagnostic test mode.

#2:Controlled by the PCM

#3:Device that controls engine and powertrain

#4:Directly connected to exhaust manifold

Sample

- Underside fuel, coolant and hydraulic lines, fittings, connections, and components for leaks
- Steering linkage, suspension, exhaust system, and all underside hardware for looseness or damage
- INSTALL under cover

### Lower Vehicle And Remove From Lift

- Tire pressures (See tire label located on driver’s side B-pillar or edge driver’s of door frame for specification.)
- Initialize the TPMS\*. Switch the ignition ON, then press and hold TPMS SET switch until the TPMS warning light and one beep flashes twice is heard. (with indirect TPMS)
- Spare Tire pressures (See tire label located on driver’s side B-pillar or edge driver’s of door frame for specification.)\*
- Flat tire repair kit\*

Tire pressure record				
Left front	Right front	Left rear	Right rear	Spare

Indicated that long-pressing of the tire pressure monitoring system set switch was implemented
Yes or No

### Road test-engine running at operating temperature

- INSPECT the following items:
- Steering operation (steering wheel centered, drift or pull, and power assist)
  - Brake operation
  - Engine general performance
  - Squeaks, rattles, and abnormal noises
  - Warning lights are off
  - Verify navigation system receives GPS signal (vehicle follows map)\*

### After road test

The following items must be completed just before delivery to your customer.

- Tire pressures (See tire label located on driver’s side B-pillar or edge driver’s of door frame for specification.)
- Initialize the TPMS\*. Switch the ignition ON, then press and hold TPMS SET switch until the TPMS warning light and one beep flashes twice is heard.

#### Note

- Only when the condition TPMS initialization required. Refer to the Work Shop Manual.

Tire pressure record				
Left front	Right front	Left rear	Right rear	Spare

Indicated that long-pressing of the tire pressure monitoring system set switch was implemented
Yes or No

- After washing and drying the vehicle, perform appearance checks before delivery

Maintenance Interval	Number of months or kilometers (miles), whichever comes first.							
	Months	12	24	36	48	60	72	84
	×1000 km	12	24	36	48	60	72	84
	×1000 miles	7.5	15	22.5	30	37.5	45	52.5
Drive belts				I			I	
DIESEL ENGINE								
Air cleaner element		C	C	R	C	C	R	C
Fuel filter				R			R	
Diesel exhaust fluid for SCR system		*1	*1	*2	*1	*1	*2	*1
Glow plug		*3						
Drive belts				I			I	
GASOLINE AND DIESEL ENGINE								
Engine oil & filter *4		Replace when wrench indicator light is ON. (Max interval: 12 months or 12,000 km (7,500 miles)).						
Engine coolant *5		Replace at first 192,000 km (120,000 miles) or 10 years; after that, every 96,000 km (60,000 miles).						
Fuel lines and hoses *6			I		I		I	
Hoses and tubes for emission *6					I			
Brake lines, hoses and connections			I		I		I	
Disc brakes		I	I	I	I	I	I	I
Tire (Rotation)		Rotate every 12,000 km (7,500 miles).						
Steering operation and linkages			I		I		I	
Front and rear suspension, ball joints and wheel bearing axial play			I		I		I	
Drive shaft dust boots			I		I		I	
Bolts and nuts on chassis and body			T		T		T	
Exhaust system and heat shields						I		
Emergency flat tire repair kit (if equipped) *7		Inspect annually.						
Cabin air filter			R		R		R	

#### Chart symbols:

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

R: Replace

L: Lubricate

C: Clean

T: Tighten

D: Drain

#### Remarks:

\*1 Top up with new diesel exhaust fluid in the urea tank once a year.

\*2 Check the total driving mileage for the last three years. If 19,200 km (12,000 miles) or more, top up with new diesel exhaust fluid in the urea tank. If less than 19,200 km (12,000 miles), replace diesel exhaust fluid in the urea tank.

\*3 Replace when glow indicator light is continuously ON. Authorized Mazda dealer can replace all the glow plugs without charge if indicator light comes ON earlier than 240,000km (150,000 miles).

\*4 The engine oil and filter must be changed at least once a year or within 12,000km(7,500 miles) since last engine oil and filter change. Reset the engine oil data whenever replacing the engine oil regardless of the message/wrench indicator light display.

\*5 Use of FL22 is recommended when replacing engine coolant. Using engine coolant other than FL22 may cause serious damage to the engine and cooling system.



Maintenance Interval	Number of months or kilometers (miles), whichever comes first.							
	Months	6	12	18	24	30	36	42
	×1000 km	8	16	24	32	40	48	56
	×1000 miles	5	10	15	20	25	30	35

GASOLINE ENGINE

Spark plugs	SKYACTIV-G 2.5T	Replace every 64,000 km (40,000 miles)						
	Except SKYACTIV-G 2.5T	Replace every 120,000 km (75,000 miles)						
Air cleaner element		I	I	I	I	I	I	I
		Replace every 56,000 km (35,000 miles)						
Drive belts						I		

DIESEL ENGINE

Fuel filter		Replace every 32,000 km (20,000 miles)						
Air cleaner element		C		C		C		
		Replace every 56,000 km (35,000 miles)						
Diesel exhaust fluid for SCR system			*1		*1		*2	
Glow plug								*3
Drive belts			I		I		I	

GASOLINE AND DIESEL ENGINE

Engine oil & filter <sup>*4</sup>		R	R	R	R	R	R	R
Engine coolant <sup>*5</sup>		Replace at first 192,000 km (120,000 miles) or 10 years; after that,						
Engine coolant level		I	I	I	I	I	I	I
Fuel lines and hoses <sup>*6</sup>					I			
Hoses and tubes for emission <sup>*6</sup>								
Function of all lights		I	I	I	I	I	I	I
Brake lines, hoses and connections					I			
Brake and clutch fluid level		I	I	I	I	I	I	I
Disc brakes		Inspect every 24,000 km (15,000 miles)						
Tire (Rotation)		Rotate every 8,000 km (5,000 miles)						
Tire inflation pressure and tire wear		I	I	I	I	I	I	I
Steering operation and linkages					I			
Front and rear suspension, ball joints and wheel bearing axial play					I			
Drive shaft dust boots					I			
Bolts and nuts on chassis and body					T			
Exhaust system and heat shields		Inspect every 72,000 km (45,000 miles)						
All locks and hinges		L	L	L	L	L	L	L
Washer fluid level		I	I	I	I	I	I	I
Emergency flat tire repair kit (if equipped) <sup>*7</sup>		Inspect annually.						
Cabin air filter		Replace every 40,000 km (25,000 miles)						

Chart symbols:

- I: Inspect: Inspect and clean, repair, adjust, fill up, or replace if necessary.
- R: Replace
- L: Lubricate
- C: Clean
- T: Tighten

Maintenance Interval		Number of months or kilometers, whichever comes first							
		Months	3	6	9	12	15	18	21
		×1000 km	5	10	15	20	25	30	35
Drive belts									
Engine oil & filter *1		R	R	R	R	R	R	R	
Cooling system									
Engine coolant *2		Replace at first 200,000 km or 10 years; after that, e							
Engine coolant level		I	I	I	I	I	I	I	
Air cleaner element			C		R		C		
Fuel lines and hoses									
Hoses and tubes for emission									
Fuel filter		Replace every 60,000 km							
Spark plugs	SKYACTIV-G 2.5T		I		I		I		
	Except SKYACTIV-G 2.5T	Replace every 64,000 km							
				I		I		I	
		Replace every 120,000 km							
Function of all lights		I	I	I	I	I	I	I	
Brake lines, hoses and connections					I				
Brake and clutch fluid level			I		I		I		
Brake fluid									
Disc brakes			I		I		I		
Tire (Rotation)		Rotate every 10,000 km							
Tire inflation pressure and tire wear			I		I		I		
Steering operation and linkages			I		I		I		
Front and rear suspension, ball joints and wheel bearing axial play					I				
Drive shaft dust boots					I				
Bolts and nuts on chassis and body					T				
Exhaust system and heat shields					I				
All locks and hinges			L		L		L		
Washer fluid level			I		I		I		
Emergency flat tire repair kit (if equipped) *4		Inspect annually.							
Cabin air filter					R				

#### Chart symbols:

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

R: Replace

L: Lubricate

C: Clean

T: Tighten

D: Drain

#### Remarks:

<sup>\*1</sup> Reset the engine oil data whenever replacing the engine oil regardless of the message/wrench indicator light display.

<sup>\*2</sup> Use of FL22 is recommended when replacing engine coolant. Using engine coolant other than FL22 may cause serious damage to the engine and cooling system.

<sup>\*3</sup> According to state/provincial and federal regulations, failure to perform maintenance on these items will not void your emissions warranties. However, Mazda recommends that all maintenance services be performed at the recommended time or