PRE-DELIVERY INSPECTION AND SCHEDULED MAINTENANCE SERVICES

PRE-DELIVERY INSPECTION	A– 2
PRE-DELIVERY INSPECTION TABLE	
SCHEDULED MAINTENANCE SERVICES	A– 3
SCHEDULE 1	
(NORMAL DRIVING CONDITION)	A– 3
SCHEDULE 2	
(UNIQUE DRIVING CONDITION)	A- 6
	97U0AX-001

A PRE-DELIVERY INSPECTION

PRE-DELIVERY INSPECTION TABLE

EXTERIOR

INSPECT and ADJUST, if necessary, the following items to the specifications: ☐ Glass, exterior bright metal, and paint for damage ☐ Wheel lug nuts ─ 88—118 N·m (9—12 m·kg, 65—87 ft·lb) ☐ Tire pressures (Refer to Section Q) ☐ All weather strips for damage and detachment ☐ Operation of hood release and lock ☐ Operation of fuel lid and rear hatch opener ☐ Door operation and alignment ☐ Headlight aim INSTALL the following parts ☐ Wheel caps (if equipped)	 ☐ Heater, defroster, and air conditioner at all mode selections (if equipped) ☐ Sunroof (if equipped) ☐ Theft-deterrent system (if equipped) ☐ Convertible Top (if equipped) CHECK the following items: ☐ Spare fuse ☐ Upholstery and interior finishes CHECK and ADJUST, if necessary, the following items: ☐ Operation and fit of windows ☐ Pedal height and free play of brake and clutch pedal
☐ Outside rearview mirror(s)☐ Front air deflector (if equipped)	Pedal height mm (in) Pedal free play mm (in)
☐ Convertible top (if equipped)	Clutch pedal 183—193 (7.20—7.60) 0.6—3.0 (With carpet) (0.02—0.12)
UNDER HOOD—ENGINE OFF	Brake pedal 184—189 (7.24—7.44) (With carpet) 4—7 (0.16—0.28)
INSPECT and ADJUST, if necessary, the following items to the specifications: ☐ Fuel, coolant, and hydraulic lines, fittings, connections, and components for leaks	☐ Parking brake 5—7 notches/98 N (10 kg, 22 lb)
☐ Engine oil level ☐ Power steering fluid level ☐ Brake and clutch meeter outlinder fluid level	UNDER HOOD—ENGINE RUNNING AT OPERATING TEMPERATURE
☐ Brake and clutch master cylinder fluid levels ☐ Windshield washer reservoir fluid level ☐ Radiator coolant level and specific gravity	CHECK the following items: ☐ Bypass air control system ☐ Automatic transmission fluid level
Protection °C (°F) Specific gravity at 20°C (68°F) - 4 (25)	☐ Initial ignition timing ☐ Idle speed ☐ Setting of throttle sensor (Engine must not be running when performing check.)
☐ Tightness of water hose clamps (including heater hoses) ☐ Tightness of battery terminals ☐ Drive belt tensions ☐ Accelerator cable and linkage for free movement ☐ Sub-zero starting system and fluid level CLEAN spark plugs NOTE: Do not blast with sand or abrasive cleaning materials	ON HOIST CHECK the following items: ☐ Manual transmission oil level ☐ Rear axle oil level ☐ Underside fuel, coolant, and hydraulic lines, fittings, connections, and components for leaks ☐ Tires for cuts and bruises ☐ Steering linkage, suspension, exhaust system, and all underside hardware for looseness or damage
INTERIOR	ROAD TEST
INSTALL the following parts: ☐ Rubber stopper for inside rearview mirror ☐ Fuse for accessories CHECK the operations of the following items: ☐ Seat controls (sliding and reclining) and headrest ☐ Door locks ☐ Seat belts and warning system ☐ Ignition switch and steering lock ☐ Shift-lock system and inhibitor switch (A/T only) ☐ Starter interlock switch (clutch pedal, M/T only) ☐ All lights including warning and indicator lights and retractable headlight mechanism ☐ IC audible warning system	CHECK the following items: Brake operation Clutch operation Steering control Operation of meters and gauges Squeaks, rattles, or unusual noises Engine general performance (including turbo) Emergency locking retractors Cruise control system (if equipped)
 ☐ Horn, wipers, and washers (front and rear, if equipped) ☐ Radio and antenna (if equipped) ☐ Cigarette lighter and clock ☐ Remote control outside rearview mirror (if equipped) ☐ Power windows (if equipped) 	 □ REMOVE seat and floor mat protective covers □ CHECK for necessary owner information materials, tools, and spare tire in vehicle □ REMOVE identification color tape on directional tires

SCHEDULED MAINTENANCE SERVICES

Follow the Schedule 1 (Normal Driving Condition) if you operate your vehicle mainly where none of the following conditions apply. Follow the Schedule 2 (Unique Driving Condition) if one or more of the items below apply.

- Repeated short distance driving.
 - Driving in dusty condition.
- Driving with extended use of brakes.
- Driving in areas using road salt or other corrosive materials.
 - Driving on rough and/or muddy roads.
- Extended periods of idling and/or low speed operation.
- Driving for a prolonged period in cold temperature and/or extremely humid climates.

SCHEDULED 1 (NORMAL DRIVING CONDITION)

Chart symbols:

- 1: Inspect and if necessary correct, clean, or replace
 - Replace or change

 - L: Lubricate T: Tighten

Remarks:

After 60 months or 60,000 miles (96,000 km), continue to follow the prescribed maintenance items and intervals periodically.

As for * marked items in this maintenance chart, please pay attention to the following points.

- *2 This maintenance operation is required for Canada and all states except California. However, we recommend that it also be performed on Califor-*1 This maintenance operation is recommended by Mazda. However, it is not necessary for emission warranty coverage or manufacturer recall liability.
 - nia vehicles as well.

L	1	
,	7	

CONDITION)
. DRIVING (
1 (NORMAL
SCHEDULE

MAIR	MAINTENANCE	N	nber of	Number of months or mi	or miles	(kilomet	les (kilometers), whichever comes first	chever (comes fil	st		
	INTERVALS Months	Months	7.5	15	22.5	30	37.5	45	52.5	09		
MAINTENANCE		Miles	7,500	15,000	22,500	30,000	7,500 15,000 22,500 30,000 37,500 45,000 52,500 60,000	45,000	52,500	000'09	Service data and inspection point	Page
OPERATION		(Km)	(12,000)	(Km) (12,000) (24,000) (36,00	(36,000)	(48,000)	00) (48,000) (60,000) (72,000) (84,000) (96,000)	(72,000)	(84,000)	(96,000)		
Engine												
Drive belts (except air pump drive belt)	r pump drive	belt)				_				_	Cracks or damage Tension	C-5
	Non-Turbo	oq	Œ	ш	Œ	ш	œ	æ	æ	œ	Oil pan capacity:	
E E E	Turbo			Replace every	every 5,	000 mile	y 5,000 miles (8,000 km) or 5 months	cm) or 5	months		4.4 liters (4.7 US qt, 3.9 Imp qt)	9-Q
, c	Non-Turbo	oq		æ		œ		Œ		œ	Oil filter capacity:	
	Turbo			Replace even	every 5,	.000 mile	y 5,000 miles (8,000 km) or 5 months	(m) or 5	months		0.17 liters (0.18 US qt, 0.15 lmp at)	9-0

Air Conditioner System (If equipped)

Refrigerant	Inspect refrigerant amount annually	
Compressor	Inspect operation annually	
Air Cleaner		
Air cleaner element	«c	R F1-34

Ignition System

	G-27					
 Plug gap 1.4mm (0.056 in) Recommended spark plugs 	Leading Trailing	NGK BUR7EQ BUR9EQ				
(r					
·	<u>:</u>					
	Œ					
*	*-					
	Spark plugs					

Cooling System

	_						ŀ
Cooling system		_	_		_	 Hoses for cracks or wear Coolant level 	
Engine coolant			 В		Œ	 Coolant capacity: Turbo: 8.7 liters (9.2 US qt, 7.7 lmp qt) Non-Turbo: 7.3 liters (7.7 US qt, 6.4 lmp qt) 	

E-5

E-6

Fuel System

ruei aystem						
peed speed	1*2	1*2	*2		Idle speed: 750 ± 25 (A/T: N Range)	F1-15 F2-15
Fuel filter				Œ	I	F1-48 F2-44
Fuel lines		*1			Fittings, connections, and components fot leaks	F1-48 F2-44

s A	\
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(Cont'd)
CONDITION
L DRIVING
(NORMA
SCHEDULE 1

		Page)	
		Service data and inspection point		
	rst	09	Miles 7,500 15,000 22,500 30,000 37,500 45,000 52,500 60,000	(36,000) (48,000) (60,000) (72,000) (84,000) (96,000)
	Number of months or miles (kilometers), whichever comes first	22.5 30 37.5 45 52.5	52,500	(84,000)
	ichever	45	45,000	(72,000)
	ers), wh	37.5	37,500	(60,000)
	(kilomet	30	30,000	(48,000)
	or miles	22.5	22,500	(36,000)
	nonths (15	15,000	(24,000)
	nber of 1	7.5	7,500	(Km) (12,000) (24,000) (3
	Nur	Months	Miles	(Km)
	MAINTENANCE	INTERVALS Months 7.5		
301100			HONDENDANGE	OPERATION

Electrical System

Figures of stems		1
Engine oil lovel warning evetem		1-45
Eligille oil tevel waltillig system		T-47
Fngine coolant level warning system		ľ
		 F1-8/
Sub-zero starting assist system	Inspect the operation seasonally (sub-zero weather use only).	F2-85

Chassis and Body		-		a
Brake lines hoses and connections			 Proper attachment and connections 	0-1
			Caliper operation Thickness of disc plate: Front 20mm (0.79 in)	P-37, 41 P-45
Disc brakes	_		Real of this (0.31 in) (30in disc) 18mm (0.71 in) (Ventilated disc) Runout of disc plate: 0.1mm (0.004 in)	P-37, 41, 45
			 Thickness of disc pad: Front: 2mm (0.08 in) Rear: 1mm (0.04 in) 	P-37, 41 P-45
			• Free play: 5—20mm (0.20—0.79 in)	8-Z
			Operation and looseness	N-12
Steering operation and linkage			Fluid leakage	N-16
		_	 Damage, looseness, and 	R-15
Front suspention ball joints		_	grease leakage	0
			Cracks, damage, grease leakage, or	M-14
Urivesnan dust boots	-		Dand looseness	C4 EO
Exhaust system heat shield		_	 Clearance between body and exhaust system 	F1-59 F2-55
				6-M
Front wheel bearing grease		Œ		J1-7, J2-8
Manual transmission oil		: 0		M-18
Differential oil		c		
Bolts and nuts on chassis and body		_		70 0
Toe control hub and control link			_	M-12

an a a a - i i t

A

SCHEDULE 2 (UNIQUE DRIVING CONDITIONS) Chart symbols:

1: Inspect and if necessary correct, clean, or replace

R: Replace or change T: Tighten

T: lightenL: Lubricate

Remarks:

After 60 months or 60,000 miles (96,000 km), continue to follow the prescribed maintenance items and intervals periodically.

*1 This maintenance operation is recommended by Mazda. However, it is not necessary for emission warranty coverage or manufacturer recall liability As for * marked items in this maintenance chart, please pay attention to the following points.

*2 This maintenance operation is required for Canada and all states except California. However, we recommend that it also be performed on Califor. nia vehicles as well.

SCHEDULE 2 (UNIQUE DRIVING CONDITIONS)

	1	Page	
		service data and inspection point	
	09	09	(96)
first	22	22	(88)
omes	20	9	(80)
ver c	45	45	(72)
hiche	40	40	(64) (72) (80)
rs), w	35	35	(26)
miles (kilometers), whichever comes first	30	30	(32) (40) (48) (56)
s (kilc	25	25	(40)
r mile	20	20	(32)
ō	15	15	(24)
Number of months	10	10	(16)
ber of	5	2	(8)
Num	Months	x1,000 Miles 5 10 15	(x1,000 Km) (8) (16) (24)
MAINTENANCE	INTERVALS	MAINTENANCE	OPERATION

Engine

Drive belts (Except air pump drive belt)	o drive belt)						_						••	Check for damage Tension	C-5
	Non-Turbo	Ж	R R	Я	Я	ж	Ж	Ж	۳	<u>۳</u>	~	~ Æ	~	R R R R R R R Oil pan capacity:	
בוסוים בי	Turbo		<u>~</u>	Replace every 3,000 miles (5,000 km) or 3 months	every	3,000	miles	(5,000)) km) c	1 3 m	onths		<u> </u>	4.4 liters (4.7 ÚS qt, 3.9 lmp qt)	9-0
19 II 61	Non-Turbo	<u>~</u>	В	ж	æ	æ	æ	æ	Œ	<u>-</u>	<i>ب</i>	<u>«</u>	Ō	R R R R R R R Oil filter capacity:	
<u> </u>	Turbo		۳	Replace every 3,000 miles (5,000 km) or 3 months	every	3,000	miles	(5,000)	km) c	1 3 mc	onths		Г	0.17 liters (0.18 US qt, 0.15 lmp qt)	9-0

Air Conditioner System (If equipped)

Refrigerant	Inspect refrigerant amount annually	1
Compressor	Inspect operation annually	

Air Cleaner

	_	_					
cleaner element		*2	α	1*2	 α	•	F1-34
			•	-	 -		F2-34

AND THE PARTY OF T	Numb	er of	Number of months or	hs or	E	2 2 2 2	וכוכי	miles (Kilometers), willchever comes mas			3	20			
INTERVALS	Months	2	10	15	20	25	30	35	40	45	20		09	Service data and inspection point	Page
	x1.000 Miles	2	9	15	20	-	30	35	40	45	20	92 (09		,
MAIN I ENANCE OPERATION	(x1,000 Km)		(16)	(24)	(32)	(40)	(48)	(26)	(64)	(72)	(80)	(88)	(96)		
	7														
Ignition System														 Plug gap 1.4mm (0.056 in) Recommended spark plugs 	
Spark plugs				*-			Œ			*			<u>~</u>	Leading Trailing NGK RIRZEO BUR9EO	G-27
Cooling System								ŀ		-		F		Colored to Colored and accell	
Cooling system				_			_			-			_	Hoses for cracks of weal Coolant level	E-5
														Coolant capacity: Tribes	
-							α						Œ	8.7 liters (9.2 US qt, 7.7 lmp qt)	E-6
Engine coolant														Non-Turbo: 7.3 liters (7.7 US qt, 6.4 lmp qt)	
Fuel System										-					F1-15
Idle speed				1*2			1*2			1*2			-	Idle speed: 750 ± 25 (A/T: N Range)	F2-15
Firel filter													Œ	•	F1-48 F2-44
							<u>*</u> 1						-	 Fittings, connections, and components for leaks 	F1-48 F2-44
Fuel lines															
Electrical dystem				_						-			-		T-45
Engine oil level warning system	200			-			_						_	_	T-47
Engine coolant level warning system	Stell I							(vino agu yothoon oron dio) : "		400	1 2	Mag			F1-87
Sub-zero eterting assist system			Inspec	Inspect the o	peral	ion se	asona	IIV (SUL	0197-	Magi	non in	. (2119)	_		10-71

SCHEDULE 2 (UNIQUE DRIVING CONDITIONS) (Cont'd)

A SCHEDULED MAINTENANCE SERVICES

SCHEDULE 2 (UNIQUE DRIVING CONDITIONS) (Cont'd)

		Page	
		Service data and inspection point	
	9	99	(96)
first	22	22	(88)
omes	20	50 55	(80)
ver c	45	45	(72)
hiche	40 45 50	40 45	(64)
rs), w	32	32	(26)
mete	30	30	(48)
miles (kilometers), whichever comes first	20 25 30 35	25 30 35	(32) (40) (48) (56) (64) (72) (80) (88)
r mile	20	20	(32)
ths o	15	15	(24)
Number of months or	10	10	(16) (24)
ber of	5	5	8
Num	Months	x1,000 Miles	(x1,000 Km) (8)
MAINTENANCE	INTERVALS	/	
	/	MAINTENANCE	OPERATION

Chassis and Body

Brake lines, hoses, and connections		_		 L	Proper attachment and connections	P_8
Brake fluid		Œ		Œ	Brake fluid	P-5
Disc brakes	-	_	-	 	 Caliper operation Thickness of disc plate: Front 20mm (0.79 in) Rear 8mm (0.31 in) (Solid disc) 18mm (0.71 in) (Ventilated disc) Runout of disc plate: 0.1mm (0.004 in) Thickness of disc pad: Front: 2mm (0.08 in) Rear: 1mm (0.04 in) 	P-37, 41 P-45 P-37, 41, 45 P-37, 41 P-45
Steering operation and linkage				_	 Operation and looseness Fluid leakage Free play: 5–20mm (0.20–0.79 in) 	N-8 N-12 N-12
Front suspension ball joints		_		_	Damage, looseness, and grease leakage	R-15
Exhaust system heat shield				_	 Clearance between body and exhaust system 	F1-59 F2-55
Driveshaft dust boots					 Cracks, damage, grease leakage, or band looseness 	M-14
Front wheel bearing grease		_		_	 Clean and check for damage 	6-W
Manual transmission oil		œ		۳		J1-7, J2-8
Differential oil		œ		Ж		M-18
Bolts and nuts on chassis and body	-	-	-	—		
Toe control hub and control link			••••			R-24 M-12

1989 Mazda RX-7 Factory Service Manual

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ENGINE

INDEX	. C- 2
OUTLINE	. C- 3
SPECIFICATIONS	C– 3
TROUBLESHOOTING GUIDE	C – 3
ENGINE TUNE-UP PROCEDURE	C- 5
DRIVE BELT	C – 5
COMPRESSION	C— 6
ON-VEHICLE MAINTENANCE	
REAR OIL SEAL	C- 8
REMOVAL	C–11
REMOVAL (TURBO)	C–11
REMOVAL (NON-TÚRBO)	C-15
ENGINE STAND INSTALLATION	C-19
INSTALLATION	C-19
DISASSEMBLY	C–21
AUXILIARY PARTS (TURBO)	C-22
AUXILIARY PARTS (NON-TÚRBO)	0-25
MAIN PARTS	U-20
CLEANING	0-3/
INSPECTION AND REPAIR	C-38
MAIN PARTS	0-47
AUXILIARY PARTS (TURBO)	
AUXILIARY PARTS (NON-TURBO)	C-0-
ENGINE STAND REMOVAL	C-79
REMOVAL	
INSTALLATION	C_80
INSTALLATION (TURBO)	
INSTALLATION (NON-TURBO)	C-84
	97U0CX-00