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TRANSMISSION REMOVAL & INSTALLATION - M/T Article Text

1984 Mazda RX7

For iluvmyrx7.com

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ARTICLE BEGINNING

Manual Transmission Removal

1983 Mazda RWD Models

REMOVAL & INSTALLATION

Removal

- 1) Disconnect negative battery cable. Place gearshift lever in neutral position, and remove gearshift knob. Remove console box (if equipped) and gearshift lever. B2000 gearshift lever components include a wave washer, shim and bushing.
- 2) On RX-7, remove air cleaner and upper transmission-to-engine bolts. On all other models, raise and support vehicle and drain transmission. Disconnect and remove drive shaft. Disconnect and/or remove under cover, exhaust components and emission control components as required.
- 3) Remove clutch slave cylinder and place out of the way without removing hydraulic line. Disconnect and remove starter, speedometer cable, back-up light wires and other electrical connections.
- 4) Place jack under rear of engine, protecting oil pan with wooden block. Position transmission jack under transmission and remove transmission-to-engine mounting bolts. If equipped, remove transmission-to-crossmember bolts, crossmember-to-frame bolts and crossmember. Slide transmission back until input shaft is cleared. Remove from vehicle.

Installation

To install, reverse removal procedure, ensuring that splines in input shaft align with those in clutch disc.

TRANSMISSION SERVICING - M/T Article Text

1984 Mazda RX7

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ARTICLE BEGINNING

Manual Transmission Servicing
1984 Mazda

LUBRICATION

SERVICE INTERVALS

Replace fluid every 30,000 miles.

CHECKING FLUID LEVEL

B2000 (1986) & RX7 Fluid should be up to bottom of fill hole.

GLC & 626

Remove speedometer cable and driven gear from transaxle case. Use "L" and "F" marks on driven gear to determine fluid level. If necessary, add oil through driven gear opening.

RECOMMENDED FLUID

Hypoid SAE 80W/90 (API GL-4 or GL-5).

FLUID CAPACITY

TRANSMISSION REFILL CAPACITIES TABLE

Application	Quantity
B2000 4-Speed	
RX7	1.8 qts. (1.7L)
GLC	3.4 qts. (3.2L)
626	3.6 qts. (3.4L)

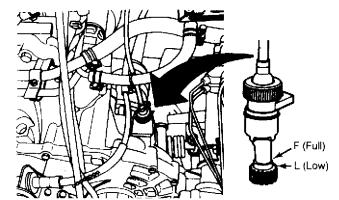


Fig. 1: GLC & 626 Oil Level Gauge GLC location shown; 626 is similar.

ADJUSTMENTS

LINKAGE

No external linkage adjustment is required.

1.2/1.3L ENG CLUTCH CHATTER/JUDDER - NEW DISC CAT. 6, NO. 003/86 Article Text

_ 1984 Mazda RX7

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ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

APPLICATION

1983-86 RX7

SUBJECT

Clutch Chatter/Judder

REFERENCE

Mazda Motors Corp., Service Bulletin, No. 6 003/86, April, 1986

CONDITION & CAUSE

Some 1983-86 RX7 vehicles may exhibit clutch chatter/judder. This condition may be caused by the clutch disc.

REPAIR

To repair the above mentioned complaint, install a new service clutch disc.

NEW SERVICE COMPONENT APPLICATION & PART NUMBER Application Part Number

Clutch Disc 1983-85 (12A) 1984-85 (13B), 1986

N203 16 460B N303 16 460

HARD SHIFT TO 2ND GEAR AFTER COLD START - NEW PARTS CAT. J, NO. 004/92 Article Text

_ 1984 Mazda RX7

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ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

HARD SHIFT TO 2ND GEAR AFTER COLD START

Model(s): 1980-91 Mazda RX-7 (non-turbo)

1990-91 Mazda Miata

Category: J

Bulletin No.: 004/92 Date: 7/7/92

DESCRIPTION

Hard shifting into second gear before the vehicle has had sufficient time to warm up may be caused by insufficient clearance between 2nd gear synchronizer ring and the 1-2 clutch hub. Design changes have been made to the 2nd gear synchronizer ring and clutch hub sleeve to correct this problem since April 1, 1991 .

If you experience hard shifting into 2nd gear after a cold start with an RX-7 (non-turbo) or Miata produced prior to April 1, 1991, replace the 2nd gear synchronizer ring and 1-2 clutch sleeve (or 1-2 clutch hub set) with redesigned ones. Refer to the appropriate service information for installation procedures.

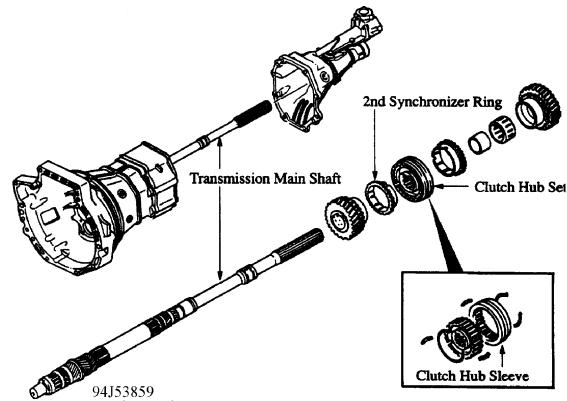


Fig. 1: 2nd Gear Synchronizer Ring and Assembly

VIN OF PRODUCTION CHANGE

MX-5 Miata JM1NA351*M*232720 April 1, 1991

RX-7 (non-turbo) JM1FC3***M0906971 April 1, 1991

PARTS INFORMATION TABLE

	Part Number				Description	Qty	Interchange -ability		
	New Old					3.321107			
M502	17	265C	M502	17	265B	2nd	Synchronizer Ring	1	New-Old
M503	17	262A	M503	17	262	1-2	Clutch Hub Sleeve	1 1	New-Old
M505	17	260B	M505	17	260A	1-2	Clutch Hub Set	1	New-Old

WARRANTY INFORMATION

(Applies to Vehicles Covered Under Warranty.)

Warranty Type Code: A
Customer Comment Code: 99
Damage Code: 99

Part No. of Main Cause: M502 17 265C (Qty. 1)
Related Parts: M503 17 262A (Qty. 1)
M505 17 260B (Qty. 1)

Miata RX-7

Operation No: J0315XRX J0315ARX Labor Hours: 5.2 Hrs. 5.1 Hrs

M & R TYPE TRANS HARD SHIFT COLD - NEW GEAR OIL CAT. 7, NO. 062/89 Article Text

1984 Mazda RX7

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ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

HARD SHIFT IN LOW TEMPERATURE

Models RX-7, 929 & B-Series (M/T)

Bulletin No. 062/89

Category 7

Date 6/6/89

Symptom Hard Shift in Low Temperature

DESCRIPTION

In order to improve shift feeling on manual transmission in low temperature, the gear oil has been changed to SAE75W-90 as shown below.

	Previous Oi	Current	Oil	
RX-7 929 B2200	SAE80W-90 SAE75W-80 SAE75W-80	> >	SAE75W-9 SAE75W-9 SAE75W-9	90
B2600	SAE75W-80	 >	SAE75W-9	90

VIN OF PRODUCTION CHANGE

RX-7:	JM1FC****	10626727	July 9, 1988
929:	JM1HC****	K0200684	July 9, 1988
B2200:	JM2UF113*	J0401564	July 9, 1988
	JM2UF213*	J0401564	July 9, 1988
	JM2UF313*	J0401564	July 9, 1988
B2600i:	JM2UF414*	K0746274	November 15, 1988
	JM2UF416*	K0746274	November 15, 1988

If you encounter vehicles which were produced before the modification and have the problem mentioned above, replace the gear oil with SAE75W-90.

NOTE: Do not mix engine oil or ATF into transmission gear oil. Also, do not use it instead of manual transmission gear oil since it may result in scoring of the gears and premature wear of shift rods.

MANUAL TRANSMISSION SHIM ADJUSTMENTS CAT. J, NO. 001/90 Article Text

1984 Mazda RX7

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ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

MANUAL TRANSMISSION SHIM ADJUSTMENTS

Model: Mazda 1981-90 RX-7 & B-Series, 1988-90 929, 1999-90 MPV,

1990 MX-5 Miata

Date: March 2, 1990

No: 001/90

Group: J

DESCRIPTION

On vehicles (1981-90 RX7 and B-Series, 1988-90 929, 1989-90 MPV, 1990 MXS) with rear-wheel-drive and manual transmissions, the shim adjustments of 5th gear and the mainshaft rear bearing have been changed.

This bulletin contains the new shim adjustment procedures.

There are different shim adjustment procedures or Type-M and Type-R manual transmissions. Use the chart in Fig. 1 to reference the correct type of transmission.

MANUAL TRANSMISSION APPLICATION CHART

	Year	'81	'82	'83	'84	'85	'86	'87	'88	'89	'90
Model	Туре	81	82	83	84	85	86	87	88	99	90
RX-7	м	0	0	0	0	0	0	0	0	0	0
nx-/	R		_	_	_	_	-	0	0	0	0
B2000	м	0	0	0	0	_	0	_	_	_	_
B2000	R	_	_	_	_			_	_	_	_
B2200	М	_	0	0	0	_	_	0	0	0	0
B2200	R		_	_	-			_	_	_	-
B2600	М	-	_	_	-		-		_	_	_
	R	_	_	_	_	_	-	0	0	0	0
929	М	_	_	_	_	_	_	_	and the	-	_
	R	_	-	_		_	_	_	0	0	_
MX-5	М	-		_	_	_	_	_	_	_	0
	R		_	_	_	_	_	_	_		-
	М	_	_	_	_	_	-	_		_	_
MPV	R		_	_	_	-	_	_	_	0	0

O = Equipped 93J51770

Fig. 1: Manual Transmission Application Chart

- 1. Install the synchronizer ring and 5th gear.
- 2. Insert the steel ball and thrust washer.
- 3. Install only the two 3.0mm (0.118 in) thick "C", washers in the front mainshaft groove and hold them with the retaining ring. See Figure 2.

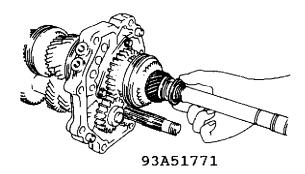


Fig. 2: Retaining Ring Installation (M-Type)

Note: If the "C" washers are not pushed fully forward in the mainshaft groove the measurement will be incorrect.

4. While pushing the "C" washers forward, measure the clearance between the thrust washer and "C" washers. (See Fig. 3).

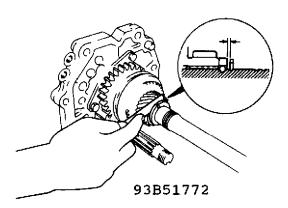


Fig. 3: Measuring Clearance Between Thrust Washer & "C" Washer (M-Types)

If the clearance is not as specified select the proper thrust washer. Standard Clearance: Refer to the appropriate Service Information for the vehicle being repaired.

MAINSHAFT REAR BEARING

1. Drive on the mainshaft rear bearing using he SST, fully seating it against the front "C" washers. See Fig. 4.

MANUAL TRANSMISSION SHIM ADJUSTMENTS CAT. J. NO. 00 Article Text (p. 21984 Mazda RX

2. Install the original "C" washers and hold them with the retaining ring.

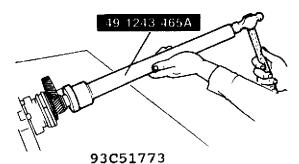


Fig. 4: Installing Rear Bearing (M-Types)

NOTE: If the "C" washers will not fit into the rear mainshaft groove, select the proper thickness "C" washers.

Ensure both "C" washers at this position are the same thickness.

 Measure the clearance between the "C" washers and mainshaft rear bearing. See Fig. 5. If the clearance is not as specified, select the proper "C" washers.

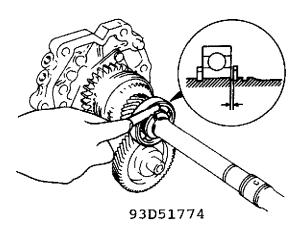


Fig. 5: Measuring Clearance Between "C" Washer & Rear Bearing (M-Type)

Standard Clearance: Refer to the appropriate Service Information for the vehicle being repaired.

R-TYPE

5th Gear

- 1. Install the synchronizer ring and 5th gear.
- 2. Install the steel ball and thrust washer.
- Install only the two 3.0mm (0.118 in) thick "C" washers in the front mainshaft groove and hold them with the retaining rings. See Fig. 6.

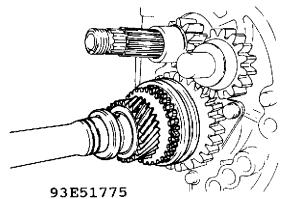


Fig. 6: Retaining Ring Installation (R-Type)

Note: If the "C" washers are not pushed fully forward in the mainshaft groove the measurement will be incorrect.

4. While pushing the "C" washers forward, measure the clearance between the "C" washers and thrust waster. (See Fig. 7).

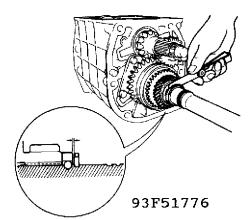


Fig. 7: Measuring Clearance Between "C" Washers & Thrust Washer (R-Type)

Standard Clearance: Refer to the appropriate service information for the vehicle being repaired.

MAINSHAFT REAR BEARING

- 1. Drive on the mainshaft rear bearing using a suitable pipe, fully seating it against the front "C" washers. See Fig. 8.
- 2. Install the original "C" washers and hold them with the retaining ring.

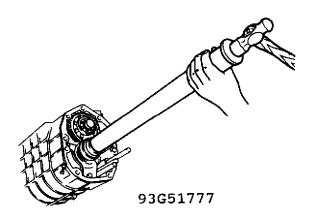


Fig. 8: Rear Bearing Installation (R-Type)

Note: If the "C" washers will not fit into the rear mainshaft groove, select the proper thickness "C" washers. Ensure both "C" washers at this position are the same thickness.

3. Measure the clearance between the "C" washers and mainshaft rear bearing. See Fig. 9. If the clearance is not as specified, select the proper "C" washers.

Standard Clearance: Refer to the appropriate service information for the vehicle being repaired.

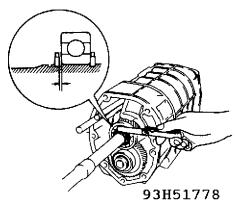


Fig. 9: Measuring Clearance Between "C" Washer and Rear Bearing

MANUAL TRANSMISSION SHIM ADJUSTMENTS CAT. J, NO. 001/1900cle Text (p. 5)984 Mazda RX END OF ARTICLE

MANUAL TRANS MODIFIED COUNTERSHAFT LOCK NUT CAT. 7, NO. 010/85 Article Text

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ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

ROLLER BEARING & MAIN SHAFT

Models 1985 RX-7 & 1984 B2000/B2200

Bulletin No. 010/85

Category 7

Date 5.13.85

DESCRIPTION

To further improve the reliability of the transmission, the following modifications have been made.

1. The roller bearing has been enlarged and the recess in the main drive gear has been enlarged to accept the new roller bearing. See Fig. 1.

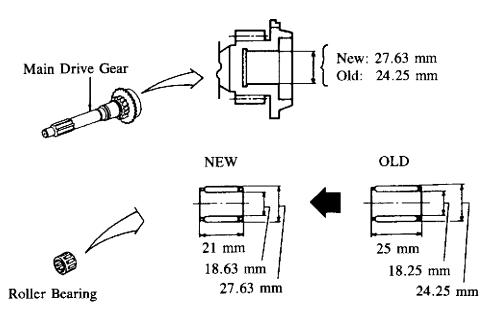


Fig. 1: Modified Main Shaft & Roller Bearing

2. The method of retaining the bearing on the main shaft has been changed from clips to thrust washers with retaining rings. See Figure 2.

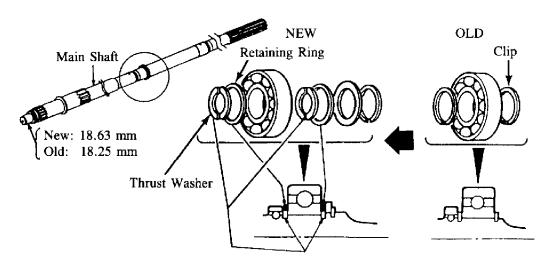


Fig. 2: New Main Shaft Retaining Method

VIN OF PRODUCTION CHANGE

RX-7 12A: 13B:	 F0876904 F0876904	December, December,	
B2000 Short Bed: Long Bed:	 E0919987 E0844354	December, December,	
B2200 Short Bed: Long Bed:	 E0801687 E0803537	December,	

PARTS INFORMATION (RX-7)

				APPLIED	INTER
NEW PAR	RT NO.	OLD PART NO.	DESCRIPTION	MODEL/	CHANGEABILITY
				DESCRIPTION	
M506 17	201A	M506 17 201	Main Drive Gear	(12A)	NO
M502 17	221A	M502 17 221	Main Shaft	(12A)	NO
M506 17	201A	M506 17 201	Main Drive Gear	(13B)	NO
M505 17	221A	M505 17 221	Main Shaft	(13B)	NO
M501 17	210	0249 17 210B	Roller Bearing		NO
0839 17	305B		Retaining Ring		
0884 17	632B	088417 632A	Thrust Washer	(T=6.2)	NO
MANU7	A63BR	ANS MÕNFIFD	COUNTERSHAF	TIO(CKONI)T	CAT 7 NO 0
0884 17	634B	0884 17 634A	Thrust Washer		CAT. 7, NO. 0
0884 17	635B	088417 635A	Thrust Washer	(T=6.6)	NO
M501 17	651	0862 17 641A	Thrust Washer	(T=3.0)	NO
M501 17	653	0862 17 642A	Thrust Washer	(T=3.1)	NO
M501 17	654	0862 17 643A	Thrust Washer	(T=3.2)	NO
M501 17	655	0862 17 644A	Thrust Washer	(T=2.9)	NO
M501 17	652		Ring		
9995 52	640		Adjust Washer		

PARTS INFORMATION (B2000/B2200)

4114 17 201A 4114 17 201 Main Drive Gear B2000 NO M502 17 221A M502 17 221 Main Shaft B2000 NO M502 17 201A M502 17 201 Main Drive Gear B2200 NO M502 17 221A M502 17 221 Main Shaft B2200 NO M502 17 221A M502 17 221 Main Shaft B2200 NO MS01 17 210 0249 17 210B Roller Bearing — NO 0839 17 305B — Retaining Ring — NO 0839 17 632B 0884 17 632A Thrust Washer (T=6.2) NO 0884 17 633B 0884 17 633A Thrust Washer (T=6.4) NO 0884 17 634B 0884 17 634A Thrust Washer (T=6.5) NO 0884 17 635B 0884 17 635A Thrust Washer (T=6.6) NO 0884 17 635B 0884 17 635A Thrust Washer (T=6.6) NO M501 17 651 0862 17 641A Thrust Washer (T=3.1) NO M501 17 653 0862 17 642A Thrust Washer (T=3.1) NO M501 17 655 0862 17 644A Thrust Washer (T=2.9) NO	NEW PART NO.	OLD PART NO.	DESCRIPTION	MODEL/	CHANGEABILITY
M502 17 221A M502 17 221 Main Shaft B2000 NO M502 17 201A M502 17 201 Main Drive Gear B2200 NO M502 17 221A M502 17 221 Main Shaft B2200 NO MSO1 17 210 0249 17 210B Roller Bearing — NO 0839 17 305B — Retaining Ring — — 0884 17 632B 0884 17 632A Thrust Washer (T=6.2) NO 0884 17 633B 0884 17 633A Thrust Washer (T=6.4) NO 0884 17 634B 0884 17 634A Thrust Washer (T=6.5) NO 0884 17 635B 0884 17 635A Thrust Washer (T=6.6) NO M501 17 651 0862 17 641A Thrust Washer (T=3.0) NO M501 17 653 0862 17 642A Thrust Washer (T=3.1) NO				DESCRIPTION	
M502 17 201A M502 17 201 Main Drive Gear B2200 NO M502 17 221A M502 17 221 Main Shaft B2200 NO MS01 17 210 0249 17 210B Roller Bearing — NO 0839 17 305B — Retaining Ring — — 0884 17 632B 0884 17 632A Thrust Washer (T=6.2) NO 0884 17 633B 0884 17 633A Thrust Washer (T=6.4) NO 0884 17 634B 0884 17 634A Thrust Washer (T=6.5) NO 0884 17 635B 0884 17 635A Thrust Washer (T=6.6) NO M501 17 651 0862 17 641A Thrust Washer (T=3.0) NO M501 17 653 0862 17 642A Thrust Washer (T=3.1) NO			Main Drive Gear		NO
M502 17 221A M502 17 221 Main Shaft B2200 NO MS01 17 210 0249 17 210B Roller Bearing — NO 0839 17 305B — Retaining Ring — — 0884 17 632B 0884 17 632A Thrust Washer (T=6.2) NO 0884 17 633B 0884 17 633A Thrust Washer (T=6.4) NO 0884 17 634B 0884 17 634A Thrust Washer (T=6.5) NO 0884 17 635B 0884 17 635A Thrust Washer (T=6.6) NO M501 17 651 0862 17 641A Thrust Washer (T=3.0) NO M501 17 653 0862 17 642A Thrust Washer (T=3.1) NO	M502 17 221A	. M502 17 221	Main Shaft	B2000	NO
MSO1 17 210 0249 17 210B Roller Bearing — NO 0839 17 305B — Retaining Ring — — 0884 17 632B 0884 17 632A Thrust Washer (T=6.2) NO 0884 17 633B 0884 17 633A Thrust Washer (T=6.4) NO 0884 17 634B 0884 17 634A Thrust Washer (T=6.5) NO 0884 17 635B 0884 17 635A Thrust Washer (T=6.6) NO M501 17 651 0862 17 641A Thrust Washer (T=3.0) NO M501 17 653 0862 17 642A Thrust Washer (T=3.1) NO	M502 17 201	M502 17 201	Main Drive Gear	B2200	NO
0839 17 305B — Retaining Ring — — 0884 17 632B 0884 17 632A Thrust Washer (T=6.2) NO 0884 17 633B 0884 17 633A Thrust Washer (T=6.4) NO 0884 17 634B 0884 17 634A Thrust Washer (T=6.5) NO 0884 17 635B 0884 17 635A Thrust Washer (T=6.6) NO M501 17 651 0862 17 641A Thrust Washer (T=3.0) NO M501 17 653 0862 17 642A Thrust Washer (T=3.1) NO	M502 17 221A	M502 17 221	Main Shaft	B2200	NO
0884 17 632B 0884 17 632A Thrust Washer (T=6.2) NO 0884 17 633B 0884 17 633A Thrust Washer (T=6.4) NO 0884 17 634B 0884 17 634A Thrust Washer (T=6.5) NO 0884 17 635B 0884 17 635A Thrust Washer (T=6.6) NO M501 17 651 0862 17 641A Thrust Washer (T=3.0) NO M501 17 653 0862 17 642A Thrust Washer (T=3.1) NO	MSO1 17 210	0249 17 210B	Roller Bearing		NO
0884 17 633B 0884 17 633A Thrust Washer (T=6.4) NO 0884 17 634B 0884 17 634A Thrust Washer (T=6.5) NO 0884 17 635B 0884 17 635A Thrust Washer (T=6.6) NO M501 17 651 0862 17 641A Thrust Washer (T=3.0) NO M501 17 653 0862 17 642A Thrust Washer (T=3.1) NO	0839 17 305E		Retaining Ring		
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0884 17 635B 0884 17 635A Thrust Washer (T=6.6) NO M501 17 651 0862 17 641A Thrust Washer (T=3.0) NO M501 17 653 0862 17 642A Thrust Washer (T=3.1) NO	0884 17 633E	0884 17 633A	Thrust Washer	(T=6.4)	NO
M501 17 651 0862 17 641A Thrust Washer (T=3.0) NO M501 17 653 0862 17 642A Thrust Washer (T=3.1) NO	0884 17 634E	0884 17 634A	Thrust Washer	(T=6.5)	NO
M501 17 653 0862 17 642A Thrust Washer (T=3.1) NO	0884 17 635E	0884 17 635A	Thrust Washer	(T=6.6)	NO
	M501 17 651	0862 17 641A	Thrust Washer	(T=3.0)	NO
M501 17 655 0862 17 644A Thrust Washer (T=2.9) NO	M501 17 653	0862 17 642A	Thrust Washer	(T=3.1)	NO
	M501 17 655	0862 17 644A	Thrust Washer	(T=2.9)	NO
M501 17 652 — Ring — — —	M501 17 652		Ring		
9995 52 640 — Adjust Washer — —	9995 52 640		Adjust Washer		

MANUAL TRANS NEW BEARING COVER BOLTS/TORQUE CAT. 7, NO. 002/84 Article Text

1984 Mazda RX7

For iluvmyrx7.com

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ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

MODIFICATION OF BEARING COVER BOLTS

Model: B2000, B2200, & RX-7

Bulletin No.: 002/84

Date: 3/28/84 Category: 7

DESCRIPTION

The bolts attaching the transmission bearing cover have been strengthened and the tightening torque has been increased to improve the durability of the transmission.

BOLT INFORMATION TABLE

Identification mark on the bolt head: Old: 6T

Old: 6T New: 8T

Bolt torque:

Old: 160 - 230 kg-cm (11.6 - 16.7 ft-lb)New: 180 - 270 kg-cm (13.0 - 19.6 ft-lb)

Identification mark on the bolt head:

Old: 6T
New: 8T

Bolt torque:
Old: 160-230 kg-cm (H.6-16.7 ft-lb)
New: 180-270 kg-cm (13.0-19.6 ft-lb)

Old

The state of the state of

Fig. 1: Bearing Cover Bolt Modification

VIN OF PRODUCTION CHANGE

B2000	Short Bed:	JM2UC121 E0841838	February,	1984
	Long Bed:	JM2UC221 E0818017	February,	1984
B2200	Short Bed:	JM2UD121 E0800931	February,	1984
	Long Bed:	JM2UD221 E0801401	February,	1984
RX-7	12A:	JM1FB331 E0819695	February,	1984
	13B:	JM1FB332 E0819695	February,	1984

PARTS INFORMATION

NEW PART NO.	OLD PART NO.	DESCRIPTION	QTY	INTERCHANGEABILITY
9078 12 820	9080 12 820	Bolt	5	NEW = OLD

MODIFIED REAR BEARING FASTENER CAT. 7, NO. 009/85 Article Text

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ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

COUNTER SHAFT GEAR & LOCK NUT

Models 1985 RX-7 & 1984 B2000/B2200

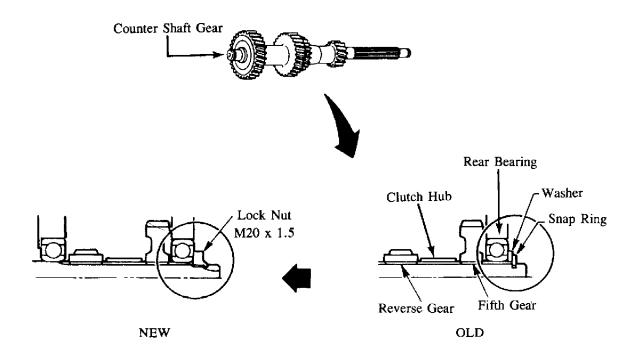
Bulletin No. 009/85

Category 7

Date 5/13/85

DESCRIPTION

In order to retain the rear bearing on the counter shaft gear more securely, the snap ring has been replaced by a lock nut. See Fig. 1.



NOTES:

• Tighten the lock nut to: 94-145 ft-lb

127-196 N-m 13-20 kg-m

• Stake the lock nut as shown:



or



Fig. 1: Counter Shaft Gear & Lockup

VIN OF PRODUCTION CHANGE

RX-7

12A: JMIFB331 F0874076 November, 1984

13B: B2000	JMIFB332	F0874076	November,	1984
Short Bed:	JM2UC121	E0915651	November,	1984
Long Bed:	JM2UC221		November,	
B2200			•	
Short Bed:	JM2UD121		November,	
Long Bed:	JM2UD221	E0803494	November,	1984

PARTS INFORMATION

NEW PART NO.	OLD PART NO.	DESCRIPTION	APPLIED MODEL CHA	INTER- NGEABILITY
M505 17 300B	MSOS 17 300A	Counter Shaft Gear	RX-7 (12A)	NO
M508 17 301D	M508 17 301C	Counter Shaft Gear	RX-7 (13B)	NO
8943 17 301E	8943 17 301D	Counter Shaft Gear	B2000/B2200	NO
M501 17 309		Lock Nut	ALL	
	0419 17 288	Adjust Shim	ALL	
	0419 17 291	Adjust Shim	ALL	
	0419 17 292	Adjust Shim	ALL	
	0419 17 293	Adjust Shim	ALL	
	9957 32 000	Snap Ring	ALL	

MANUAL TRANS REVISED FRONT BEARING CAT. 7, NO. 003/84 Article Text

1984 Mazda RX7

For iluvmyrx7.com

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ARTICLE BEGINNING

TECHNICAL SERVICE BULLETIN

TRANSMISSION FRONT BEARING MODIFICATION

Model: 1984 RX-7, B2000, & B2200

Bulletin No.: 003/84

Date: 4/17/84 Category: 7

DESCRIPTION

The front bearing in the transmission has been changed to a heavy duty type since the production date of January, 1984.

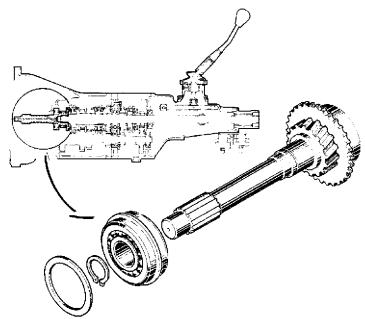


Fig. 1: New Transmission Front Bearing

VIN OF PRODUCTION CHANGE

RX-7	12A:	JM1F8331 E0815218	January,	1984
B2000	Short Bed:	JM2UC121 E0835560	January,	1984
	Long Bed:	JM2UC221 E0815129	January,	1984
B2200	Short Bed:	JM2UD221 E0800844	January,	1984
	Long Bed:	JM2UD221 E0801282	January,	1984

BEARING PARTS INFORMATION

NEW PART NO.	OLD PART NO.	DESCRIPTION	INTERCHANGEABLE
M502 17 295	9960 63 3063	Ball Bearing	NEW = OLD

Note:

1. This modification has been already taken place on the 1984

RX-7 13B's since the beginning of production.

2. The following heavy duty type bearings are also available for the service part.

ADDITIONAL PARTS INFORMATION

PART NUMBER		DESCRIPTION	APPLIED MODEL
HEAVY DUTY TYPE M502 17 298 M503 17 297 M502 17 299	STANDARD TYPE 9960 66 3063 0821 17 297 9960 66 3043	Ball Bearing	79-82 626 79-84 RX7 77-78 B1800 79-84 B2000 82-84 B2200