

**The BIG '93-95 Mazda RX-7 TSB List**  
**Compiled by Dale Clark**  
**Hosted at <http://www.clubrx.org>**

**Safety Recalls**

**F00596    MAR 96    Recall - Fuel Line Leakage**

The fuel recall kit has adhesive on the high-pressure fuel lines feeding in to the fuel rail. If you remove the hose, don't re-use the hose, replace with new parts. The adhesive is primarily a lubricant to ease installation. This note is to tell dealers not to re-use fuel line - replace the lines.

**Recall 96V149000: Brake Vacuum Check Valve Restriction**

Oil mist in the intake air can kill the check valve leading to the brake booster, resulting in loss of braking. The dealer will fix this for free by replacing the 2 rubber lines going to the brake booster with new parts.

**Recall 94V094000: Radiator Cap Relief Pressure Incorrect**

The early radiator caps ran a higher cooling system pressure. At the higher pressure, the car could run hotter, and many of the rubber seals in the car couldn't cope with the high temps. This could lead to coolant leaking on the turbos and a fire, so they had to do a recall. Update on this one - found a full text of what the dealers were instructed to do:

*Dealers will inspect the vehicles and if any vehicle exhibits coolant leakage or if the coolant level has dropped to the point where the coolant loss would be sufficient to trigger the coolant level warning system, components potentially subject to deterioration from overheating would be replaced. These parts include the water pump bearing housing, the water level sensor and radiator upper hose, the thermostat gasket, and all water hoses located above the engine. In addition, all vehicles in which those components are replaced would also have the cooling system and other systems that carry flammable liquids checked to make certain that engine overheating had not caused any problems in those systems. Any identified problems will be repaired. The radiator cap, filler cap, and filler cap body of all recalled vehicles will be replaced by newly designed parts.*

So, it's possible the dealers also replaced a lot of the cooling hoses, the water pump, etc.

**Recall 95V069000: Fuel Hose Leak/Fan Module**

This is the fuel line recall. Replaces the fuel lines with newer more heat-resistant parts, and the addition of the rewired cooling fan and the new fan control box. The wiring on the cooling fans allow the fans to run with the car off, and the control box allows the fans to run for 10 minutes after shutdown if the car is over a certain temperature.

**Recall 00E069000: Possible Hood Latch Striker Defect**

This is for the Mazdaspeed hood. The hood latch could come off of the hood and make the hood fly up. The dealer will replace the latch free of charge. This is only on a particular old hood that's likely not made any more - if you have a hood that's relatively new (after '99 or so) it's probably not the hood in question.

**Technical Service Bulletins (TSB's)**

**0800103    MAY 03    Air Bag System - Parts Replacement After Deployment**

If the air bag deploys, you need to replace the air bag computer as well. Any damaged wiring should be replaced and not patched.

**S01898    APR 03    Body - Wind Noise Around Doors**

If you get wind noise from the weatherstripping between the door and the body, you have to test it to see if there's a gap in the weatherstripping. Spray white lithium grease on the metal of the

door where it seals, gently close the door, then open it and see how much grease transferred to the weatherstrip. If it isn't making good contact, re-adjust the door so it does.

**0101899    MAY 99    Year 2000 - Computer Systems Compliance**

Your stock ECU was immune to the Y2K bug. Gee, really? :)

**K00598    DEC 98    A/T Cooler/Line - Flushing Procedure**

You should back-flush the automatic transmission cooler after servicing the auto tranny for a failure. If not, metal junk from the transmission failing can clog the cooler up and cause another transmission failure.

**F01498    DEC 98    Throttle Adjustment Screw - Adjustment Precaution**

You should not adjust the throttle stop screw to adjust idle - this is the one right on the throttle body that the throttle linkage stops against when the throttle is closed. Adjust the idle using the flathead screw that's under the throttle body, according to the procedure in the shop manual. Using the hard throttle stop screw can lead to an incorrectly-set TPS and other general goofiness that's hard to troubleshoot.

**G00198    OCT 98    Battery - Dies In A relatively Short Period Of Time**

Use an ammeter to see what the "dark" current draw of the car is. It should be 20 milliamps or less. The procedure shows how to use a wire to maintain the radio presets and stuff as you hook up the ammeter - big deal, just disconnect the battery terminal.

**ST00598    AUG 98    NGS System - Reprogramming Service**

NGS is the Mazda diagnostic tool - this just tells dealers to send in the programming cards to get an updated program.

**S0800598    AUG 98    Seat Belt - Extenders**

If you're too fat for the stock seat belt, Mazda has extenders that add 8, 9, or 12 inches to the seat belt. Yay.

**S0901898    JUL 98    Door Weatherstrip - Wind Noise Around Doors**

Pretty much the same as above - procedure for testing bad weatherstripping and door alignment.

**B00398    JUL 98    Engine - Oil Leak At Rear Stationary Gear O-Ring**

This is just a procedure for replacing the rear stationary gear O-ring, which can get old and brittle and leak oil. Remove the tranny and flywheel or auto tranny flex plate and counterweight. Set the front rotor to TDC as in the shop manual, section C. Remove the 6 bolts that hold the stationary gear in place, then take one bolt and screw it back into the motor just a few turns - this helps keep the gear from popping off when you remove it.

Use 2 flathead screwdrivers at the left and right sides of the stationary gear to pry it up and out. Once it's loose, remove the 1 bolt that's lightly in there and take it out. Clean it up good, get the old O-ring out of there, and install the new O-ring with some engine oil on it. Reinstall the stationary gear, and torque the bolts to spec.

Make SURE the engine is at TDC on the front rotor - if not, the rear rotor could "droop" in the motor, requiring an ENTIRE engine teardown to fix. This is a Bad Thing.

**N00198    APR 98    Steering Wheel - Slightly Off Center.**

If the steering wheel is bigtime off center, but the car goes straight, remove the steering wheel and re-stab it on the steering column. If it's only off a little bit, the tie rod ends will have to be adjusted.

**ST00198    FEB 98    Star Tester - New Version Program Cards**

Again, just telling dealers to send their diagnostic tool program cards in for a new version.

**N00497    DEC 97    Steering Gear - Fluid Loss**

Just saying the power steering rack can leak power steering fluid from the bellows-type boots going to the tie rod ends if the seal in the rack is bad. This is an "all models" TSB, never seen this on an RX-7.

**B00897    NOV 97    Engine Mount - Oil Pan Bolt Interference**

When installing a reman engine, there may be a 10mm oil pan bolt that hits the left side engine mount. If so, remove that bolt and squirt RTV in the hole - use grey RTV. Then, install the engine mount.

**S02097    OCT 97    Bumper - Painting Preparation**

Before painting, clean the bumper with a rag soaked in isopropyl alcohol and let it dry. Using a Naptha-based cleaner will remove the factory primer on the bumper, and will require the bumper to be re-primed.

**G00197    JUN 97    Battery - Diagnosis/Service**

Just a general guide to testing batteries. Dealers have to make sure that cars on the lot maintain a charge on the batteries. Information here is the same as any general procedure for testing the starting/charging system of a car.

**T01397    JUN 97    Wiper Motor - Inoperative/Circuit Breaker Operation**

The wiper motor has a built-in circuit breaker that will kick in if the motor gets REALLY hot (over 300 degrees), if the wipers are stuck (like from ice), or wiper motion is restricted due to junk on the window (mud, snow, etc.). If this happens, the circuit breaker will reset itself once the condition that caused the failure is cleared.

**U00897    MAY 97    A/C System - Tracer Dye Leak Detection**

If you use a dye in the AC system to find a leak, make sure to clean up any leaked-out dye after you perform the repair. Only use a dye that's compatible with the refrigerant in the car.

**S01197    MAY 97    Brake Vacuum Line - Rattle Noise**

You may get a rattle noise from the firewall due to the metal vacuum pipe going to the brake booster transferring noise to the frame - should only happen at idle with the brake pedal depressed. It's from the check valve cycling. The pipe is connected at 2 points. Mazda has a rubber bushing that goes between the metal line and the firewall that will help with the vibration. If you want to repair it like stock, you need -  
2 of part number F285-13-363, rubber isolator  
2 of 9994-00-600, flange nut (I think it's just a regular 10mm head nut)  
It could probably also be remedied by sandwiching a rubber bushing of some kind between the line and the firewall.

**ST00297    MAR 97    Special Tools - Storage Cabinet System**

Mazda has a system for organizing all the special service tools in a cabinet for dealers. Not applicable to us home mechanics.

**U00597    MAR 97    A/C - O-Ring Replacement**

This has updated part numbers of which O-rings you need for the air conditioning system. There's only a picture of the '95 system in this TSB - there's another TSB with the '93-94 AC O-rings.

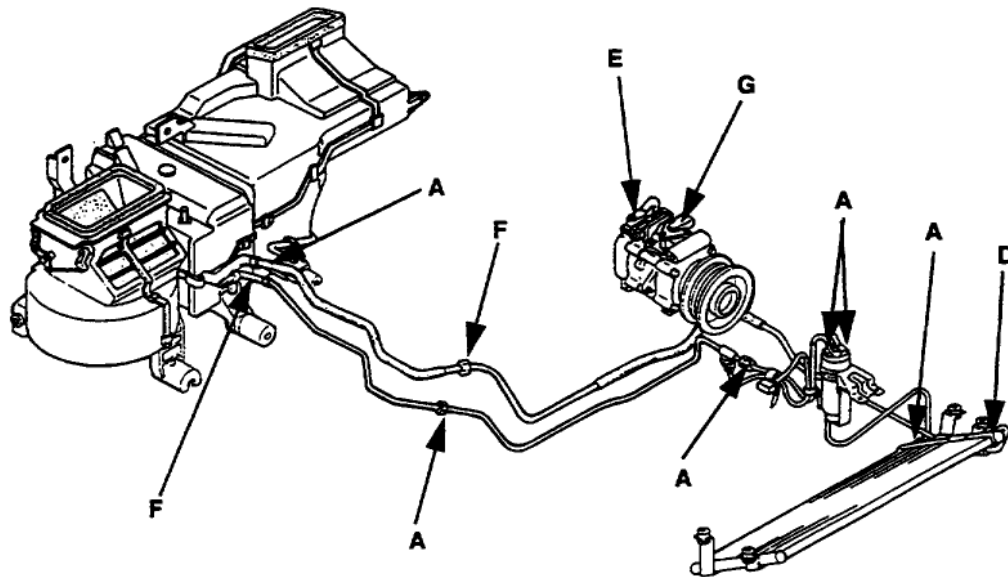
Here's a list of O-ring part numbers and quantity. The code corresponds to the O-ring location diagram.

93-94 RX-7			
	Qty Needed	Code	Pipe Size
LB51-61-J1X6	6	A	8mm

LB54-61-J1X2	2	D	12mm
LB56-61-J1X3	3	F	16mm
95 RX-7			
	Qty Needed	Code	Pipe Size
LB51-61-J1X6	6	A	8mm
LB54-61-J1X1	1	D	12mm
LB55-61-J1X1	1	E	12mm axial
LB56-61-J1X2	2	F	16mm
LB57-61-J1X1	1	G	16mm axial

Diagram for '95 RX-7:

**1995 RX-7**



**F00597 MAR 97 Engine Harness - Bucking/Hesitation**

I think this is Mazda's attempt to address the 3000 RPM hesitation. They list it in the TSB as jerking under light acceleration or at 2000-2200 RPM while cruising.

To repair, clean and retorque the engine ground. This is behind the AC compressor. Torque is 70-95 inch-pounds. Clean the ground coming from the negative terminal of the battery to the driver's side shock tower, and clean and tighten the bracket that it's attached to. Same torque spec.

Finally, remove the ground strap from the firewall to the upper intake manifold that attaches to the engine hanger. Mazda superseded the design with a non-plug-in ground strap - the new strap bolts to the intake manifold and the firewall, eliminating the quick-disconnect at the firewall. Part number for the new ground wire is FD02-67-E70. Tighten the bolt on the upper intake manifold at 12-17 foot-pounds of torque, and the firewall side to 70-95 inch-pounds.

**AD00397 FEB 97 Speedometer - Replacement Procedure**

When installing a new speedometer, the odometer will read "0". Mazda has stickers that you can write the current mileage on and affix to the driver's side B-pillar to show the mileage at the time of replacement.

**T02396 DEC 96 Air Bag System - Effect of Aftermarket Accessories**

Front bars (like brush guards - probably won't have that on an RX-7) could keep the airbag sensors from recognizing an impact and deploying the airbags. Some aftermarket electronics could emit noise which could false the airbag computer and make the airbag go off. NEVER seen that happen, though :) - Mazda made the airbag system pretty hardy and foolproof.

**F02896 DEC 96 Air Flow Meter - Service Precautions**

This actually only applies to the 86-91 RX-7's, as the '93-95 RX-7 doesn't have an airflow meter. It's a general guide - don't roughhouse with it, don't break it, etc.

**G00396 DEC 96 Battery - Ignition OFF Draw Current Diagnosis**

Another general writeup on finding any current that can kill the battery while the car is off.

**S03296 DEC 96 Seat Belt - Extender Availability**

Just another announcement of availability of extenders for fat people.

**U00996 OCT 96 A/C Refrigerant - Recommendations**

Mazda only recommends recharging R12 systems with R12, and not any of the R12 substitutes on the market. You could also retrofit the car with R-134a.

**S03796 AUG 96 Windshield - Stone Chipping Inspection**

Just a procedure to determine if a chipped windshield is covered under warranty. Our warranties are long expired, anyhow.

**E00296 JUN 96 Reconditioned Anti-Freeze - Recommendations**

Mazda doesn't recommend the use of reconditioned antifreeze - only the green ethylene glycol antifreeze is recommended.

**S02896 JUN 96 Seat Belt - Will Not Retract/Hard to Pull Out**

Dirt can accumulate on the loop the seat belt passes through, making it hard to pull out. Clean the dirt off and see if that helps.

**F01496 JUN 96 Fuel - California Reformulated Gasoline**

Mazda says the reformulated gas in California is OK to run, won't affect your warranty, etc.

**F01396 MAY 96 Fuel Volatility - Driveability Concerns**

Just states that if you get a bad tank of gas, you may have problems with rough running, low power, etc. Use gas from large stations that frequently have their tanks refilled.

**ST00895 OCT 95 A/C - R134a Training/Equipment Requirements**

Federal requires dealerships to have a technician that's certified with R-134a refrigerant, and they must have the proper recovery equipment for the new refrigerant. The bulk of the TSB is a list of certified equipment.

**U00995 SEP 95 A/C - O Ring Replacement**

Pretty much the same thing as the later TSB. Sad part is they list 95-96 RX-7 - too bad we didn't get the '96!

**K00295 AUG 95 A/T - Repair Policies**

More dealer-only stuff - just lists procedures for working on automatic transmissions.

**U00895 JUL 95 A/C - Operates in DEFROST Only/NO Compressor Engagement**

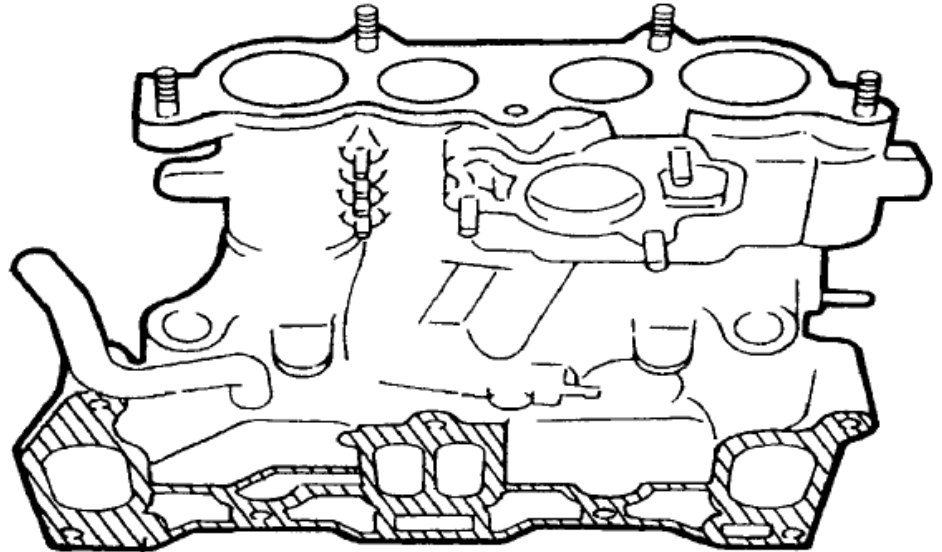
If the AC light won't turn on to engage the AC, the AC system is healthy/full charge of freon, and the AC DOES work in defrost mode, the problem could be the hazard switch. Pull the radio/AC panel out and check the wires connecting to the hazard switch for a good electrical contact - the AC signal routes through the hazard switch.

**S02095 JUN 95 Door Mirror - Vibration**

If the side mirrors vibrate or shake on bumpy roads, the mirror is loose due to the screws working loose. Rotate the side mirror assembly so you can see the mounting screws. Remove the screws, apply Loctite 242, and re-install.

**F00595 JUN 95 Intake Manifold - Rough Idle After Replacing Gasket**

New procedure for tightening the intake manifold. Apply a light film of moly grease to the flange on the lower intake manifold, install it with the gasket, and tighten the bolts in the order shown in the diagram -

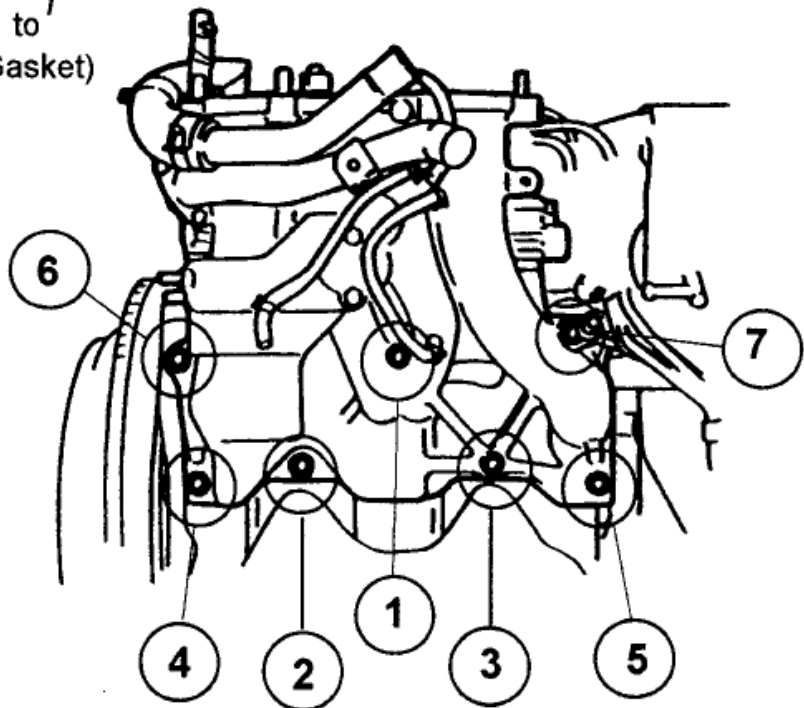


**Step 1**

Apply molybdenum grease to flange (Do Not Apply To Gasket)

**Step 2**

Tightening Torque:  
16-20 Nm  
(1.6-2.3 kgfm  
12-16ft-lbs)



If the brakes shudder, the front rotors may be warped. Have the rotors turned to solve the problem.

**ST00295 APR 95 Required Tools - Inventory List**

Just a list of all the special service tools a dealer is required to keep on hand.

**F00695 APR 95 Air Pump - Failure Because of Aftermarket Air Filter**

Aftermarket air intakes that draw heated engine compartment air into the air pump may result in premature failure of the air pump. Mazda won't warranty air pump failures if you have an aftermarket intake - like you still have a warranty on the car :).

**G00295 APR 95 Battery - Diagnostic/Charging Procedure**

Another general procedure for testing and charging batteries.

**B00595 MAR 95 HLA - Noise After Long Storage**

One of those TSB's that they say applies to all Mazdas. Considering rotaries don't have Hydraulic Lifters on the valvetrain.....)

**N00595 MAR 95 Steering Wheel - Is Slightly Off Center**

Same as above - re-stab steering wheel on shaft if it's way off, and use the tie rod adjustments to fine-tune the alignment of the steering wheel.

**U00195 FEB 95 Receiver Dryer - Replacement Criteria**

If service is done on the AC system, the receiver/dryer (the metal can up in the nose by the battery) has to be inspected as to whether to replace it. If the refrigerant oil in the system is dark gray or black, or if there's bits of metal or rubber O-rings in the system, replace the receiver/dryer. This is mainly to set Mazda's policy for when they'll pay for a receiver/dryer replacement under warranty.

**N00195 JAN 95 Pre Alignment - Specifications**

If you need to perform an alignment, the vehicle should have no cargo or passengers, the spare tire and stuff in the appropriate place, etc. so the weight of the car is correct so it sits right for the alignment rack.

**ATRATB294 JAN 95 A/T - Drive Axle and Wheel Lug Nut Torque Specifications**

Just lists torque specs for tightening lug and axle nuts. For the RX-7, lug nut is 70 ft-lbs, and the axle nut is 120-175 ft-lbs, then stake the axle nut. Tighten the lugs in a star pattern.

**N00394 DEC 94 Alignment - Background Information & Specifications**

Pretty much the same as above.

**ST00294 NOV 94 Tools - Shipment Of NGS Program Card Version 2.0**

Notification of the new NGS dealer tool being shipped.

**ST00394 OCT 94 Brakes - Use On Car Brake Lathe to Correct Judder**

Mazda prefers a brake lathe that works with the brake disc still on the car for a better quality job. I haven't seen any difference either way, and it's easier to just take the rotors off and take them to a shop to get turned :).

**E00194 OCT 94 Coolant - Propylene Glycol Based Not Recommended**

Propylene Glycol is the newer, environmentally friendly antifreeze, like Sierra. Mazda says it provides less heat transfer and less corrosion resistance than ethylene glycol, which is the plain vanilla green antifreeze, like Prestone. Use the regular stuff.

**K00294 OCT 94 A/T - Diagnostic Procedures**

A checklist and flowchart for identifying customer complaints prior to auto tranny service.

**ST00194 JUL 94 Tools - SST Update Program #001**

This is an update to the SST harness that plugs in between the stock ECU and the stock wiring harness. That "piggyback" harness goes to a diagnostic computer to check voltages and sensors and stuff. They updated the harness so it has a direct plug into the cigarette lighter. This has the address and everything for the dealer to send their old tool into to be updated to the new design. Interesting part is the wiring is supposedly the same with the '95 Millenia! And, the tool costs \$450 - ouch! And that's in 1994 dollars!

**B00494 JUN 94 Engine - Partial Repair Components Available**

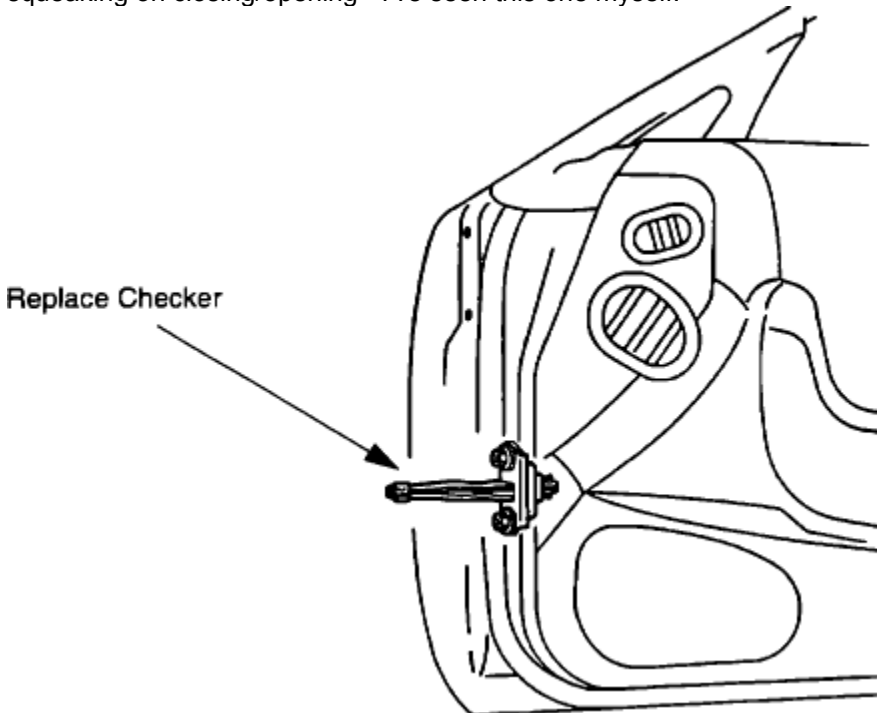
Just says that short block engines are available - you get the short block and bolt all the exterior parts onto it. I think they used to offer long block engines instead.

**U00194 APR 94 A/C - O Ring Replacement**

Another guide to replacing AC O-rings - same information as above.

**S01094 FEB 94 Door - Squeaking Noise When Opening or Closing**

This is an interesting one. There's a revised door checker that fixes a problem with the door squeaking on closing/opening - I've seen this one myself.



VINS affected are: JM1FD33"P0200001 through JM1FD33\*\*P0210664  
New part number for the door checker: FD01 58 270B

**J00194 JAN 94 M/T - Grinding in 5TH Gear**

This is another common problem. The shift pattern is tight on the FD, and it's very easy to mis-shift into 5th when aiming for 3rd. That puts a lot of stress on the 5th gear synchro, and eventually breaks it.

Mazda made a new shift select spindle that helps prevent the mis-shift. Also, the 5th gear synchro itself will need to be replaced.

VINS affected: VIN of JM1FD332\*PO100001 through JM1FD332\*P0210508  
I've seen this on pretty much every FD, not just the 93's, BTW.

**J00294    JAN 94    M/T - 1st and 2nd Gear Hard to Shift**

This is caused by the manufacturing process for making the 1st and 2nd gear clutch hub in the transmission - the edges of the gear were rough and caused a rough shift. This covers all '93s and early '94s. New part number for the updated hub is RS23 17 260A

**S00194    JAN 94    Seat Belt - Caution Label Cover**

The felt cover on the seat belt can be damaged and slip down a bit. This is a procedure for having an upholstery shop re-sew the cover in place. It has to be done in a particular manner to insure the seat belt functionality isn't compromised.

**H00193    DEC 93    Clutch - Slippage or Premature wear**

'93's and early '94s had a clutch that couldn't hold the power that well. This is pretty common - I've replaced clutches on 40,000 mile FD's that were totally worn out. The good thing is the new clutch disc is actually pretty good. If you buy a stock clutch from Mazda, you'll get the new part - the old one hasn't been made since production.

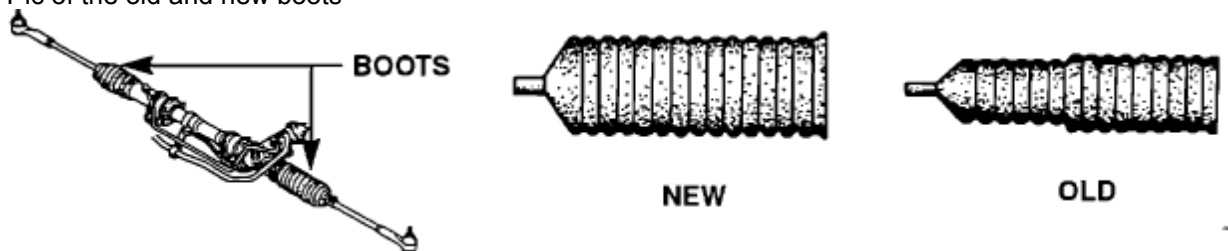
**S04293    OCT 93    Glove Box Lamp - Stays ON After Door Closed**

This is for all '93s. The actual light in the glove box was updated with a new part to fix this problem where the glove box light stays on. New part number is FD01 64 170A.

**N00293    OCT 93    Steering - Noise From Front While Turning Wheel**

If you turn the steering wheel with your car stopped, you may get a funny noise from the front end. This is due to the design of the boots on the steering rack over the tie rods. The part was updated to fix the problem.

Pic of the old and new boots -



New part numbers are FD01 32 125A and FD02 32 125A for the boots.

**ATRATB188    OCT 93    A/T - G4A-EL Retrieving Trouble Codes**

This actually only affects the '89-91 RX-7's, not the FD.

**R00493    SEP 93    Suspension - Front Upper Control Arm Bushing Noise**

The bushings in the upper control arm can clunk and cause noise. Noise should be heard moving from a dead stop or turning the wheel when stopped.

The part number has been updated to a new part. New part is FD01 34 480A. Supposedly this only effects '93 RX-7's. 2 bushings are needed per side.

**G00293    SEP 93    Electronic Devices/Electrical - Diagnosis and Repair**

Just an outline of procedures for testing various electrical components. It's a dealer/warranty thing.

**G00393    SEP 93    Battery - Diagnostic and Charging Procedures**

Yet another battery testing TSB.

**U00293    JUL 93    A/C - R12 Warning Labels**

This is kind of dumb. On vehicles with R-12 air conditioning, the dealer was supposed to put a sticker on the window saying that the car has R-12 due to a federal regulation - it goes in the low corner of the passenger side of the front windshield. I'd be pissed if the dealer put a dumb sticker like that on the car! :)

**G00193 JUL 93 Engine - No Start After A Heat Soak**

This is for the '93 automatics. The wiring going to the starter can heat soak, bumping the resistance of the wire up and causing the starter not to engage. Mazda released an add-on harness to the starting system harness to fix the problem. You disconnect the small wire going to the starter, unplug a larger connector near the starter, plug the new harness between the two halves of the large connector, and then there's a new small wire going to the starter from the new harness.

Part number for the replacement harness is FDY1 67 SHO.

**S03393 JUL 93 Passenger Door Grip - Loose/Broken**

The material they made the passenger door grip handle from has been changed to be sturdier (yeah, right). New part number is FD01 69 44XB 00. I imagine if you order a new one, this is the part you'd get anyhow. This is a '93 only thing.

**S03193 JUN 93 Power Windows - Bumping Noise**

With the window all the way down, you may hear bumping noises from it while driving. There's a new rubber bumper for the bottom of the window assembly that fixes the problem. New part number is FD01 58 565. Again, a '93 only problem.

**Q00593 JUN 93 Tire Chains - Installation Precautions**

Just a few notes on using tire chains. On the RX-7, use on the rear wheels only. It doesn't recommend using them on aluminum wheels as the chain could scratch the lip of the wheel - Mazda recommends swapping to steel (!) wheels. Also, general tire chain stuff - don't go over 30, no chains on the spare tire, etc.

**S02693 MAY 93 Outer Door Handles - Rattling Noise**

The two 10mm nuts holding the outside door handle on can get loose and the door handle rattles. There's a new locking nut to fix the problem - 9YB0 40 603, 2 of them. Just use a little Loctite on the nuts (the newer door handles have the studs impregnated with Loctite) and use nuts that have shoulders for a good contact to the door.

**F00593 APR 93 Emission Inspection Test - Proper Preparation**

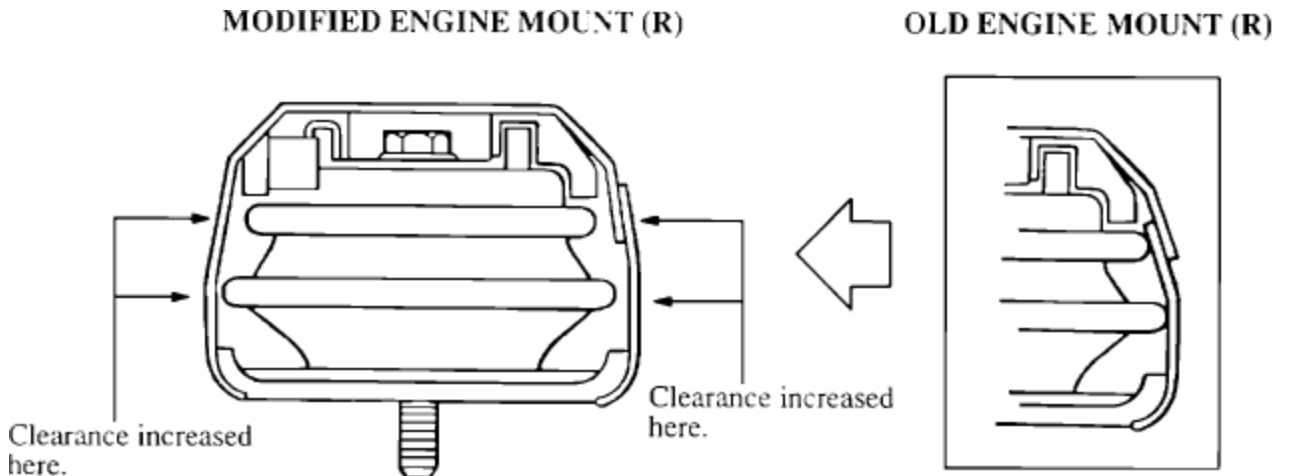
Just says to test when the engine is fully warmed up, and have the engine good and hot before the test.

**AD0093 MAR 93 Antitheft System - Owners Manual Correction**

If the VIN of your car is below P0207440, the alarm system will not arm if the hood or hatch is open when you lock the doors. If after that VIN range, it will arm if the hood or hatch is open. If it annoys you, you could probably get the newer security system brain and swap it in :).

**B00293 FEB 93 Engine - Unusual Noise from the Right Mount**

The right (passenger side) motor mount has been revised. The old part rubbed against the metal case around the mount and made noise. Comparison of the old and new parts -



The old mounts are likely not available any more - any ones you buy now will be the revised part.

**S01093 FEB 93 Hatch Hinge, Rear - Noise Driving Rough Roads or Bumps**

The hinges for the hatch can make noise on most '93s. The part has been revised to alleviate the problem. New part number is FD01 62 210C, and you need 2 of them.

**S00293 FEB 93 Door Windows - Wind Noise**

The front guide that the edge of the door glass slides on has been revised. The old part didn't hold the window in proper position for it to seal against the rubber seal. This affects VINs lower than P0205708. New glass guide part numbers are FD01 58 601B (right side) and FD01 59 601B (left side).

**F00193 JAN 93 Fuel Injector - Cleaner Kit for Improved Performance**

This announces availability of a cleaner from Mazda. I think you actually disconnect the fuel line and run this stuff through the engine until empty. That type of cleaner usually works better than the "pour in the tank" cleaner, but requires more work to do the job.

**F03292 DEC 92 Engine Performance - Stalls, Idle Fluctuates With A/C ON**

The ECU was updated to fix stalling at idle as the car is warming, or stalling with the AC on and the clutch in, as well as hunting idle. The solution is a new ECU, which you're best off finding used.

Applies to cars with manual transmissions VIN of P0208703 or lower, and automatics with VIN lower than P0210513.

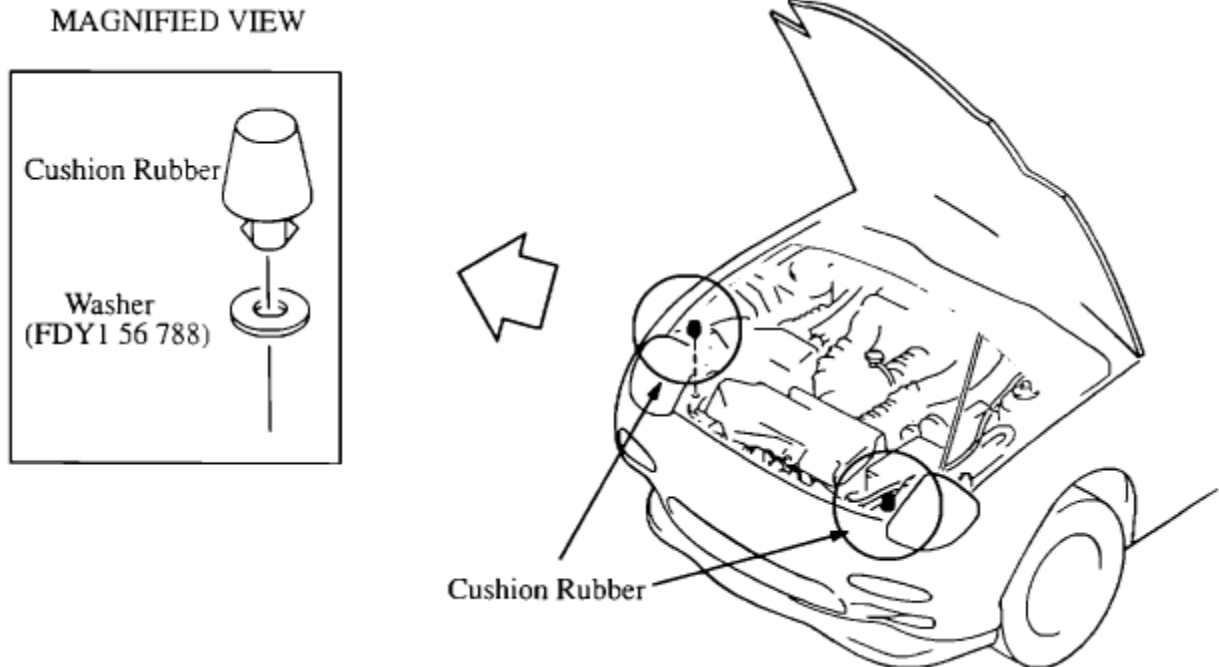
**S05692 DEC 92 Black Finish - Peeling from Interior Trim**

Yep, as we all know, the plastics in the '93 interior all peel. Sad part is if the original owner would have got off his ass to the Mazda dealer, they would have replaced the plastic panels FOR FREE under warranty with the newer "matte finish" panels. Sucks that they didn't do it, doesn't it?

**S05792 DEC 92 Hood - Squeaking Sound**

You may have a squeak from the hood while driving. Supposedly affects VINs P08750 and lower. All you need is these 2 washers from Mazda to put under the rubber hood bumpers and you're good to go.

Pic/part number:



**AD02892 NOV 92 Emissions - Proof of Recall Correction Certificate**

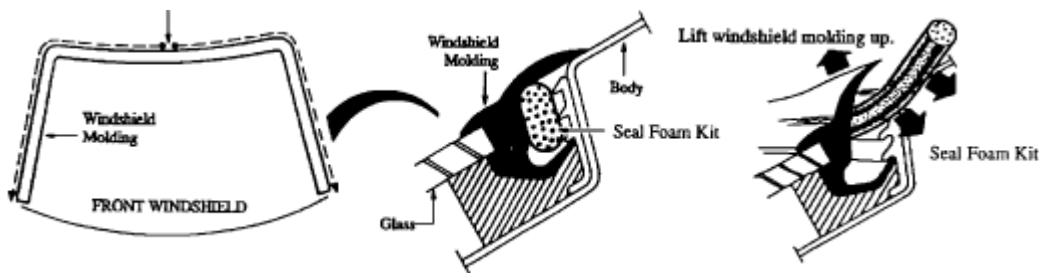
This is an "all models" thing that really doesn't apply to the RX-7. I think California enacted new emissions regs around this time, and Mazda had to fix some California cars to meet this new standard.

**T01892 NOV 92 Radio, Warranty - Returned With Antenna Damage**

If you remove the stock radio, you need to remove the plastic panel on the passenger side of the transmission tunnel - the plug-ins for the antenna are right there. Unplug the antenna, then remove the radio.

**S04992 OCT 92 Windshield Molding - Whistling Noise**

This is just the addition of some extra sealing foam to the weatherstripping around the windshield if there's a whistling noise at high speed. Here's the pic/how to install the extra sealing foam -



Part number for the foam is B001 77 739.

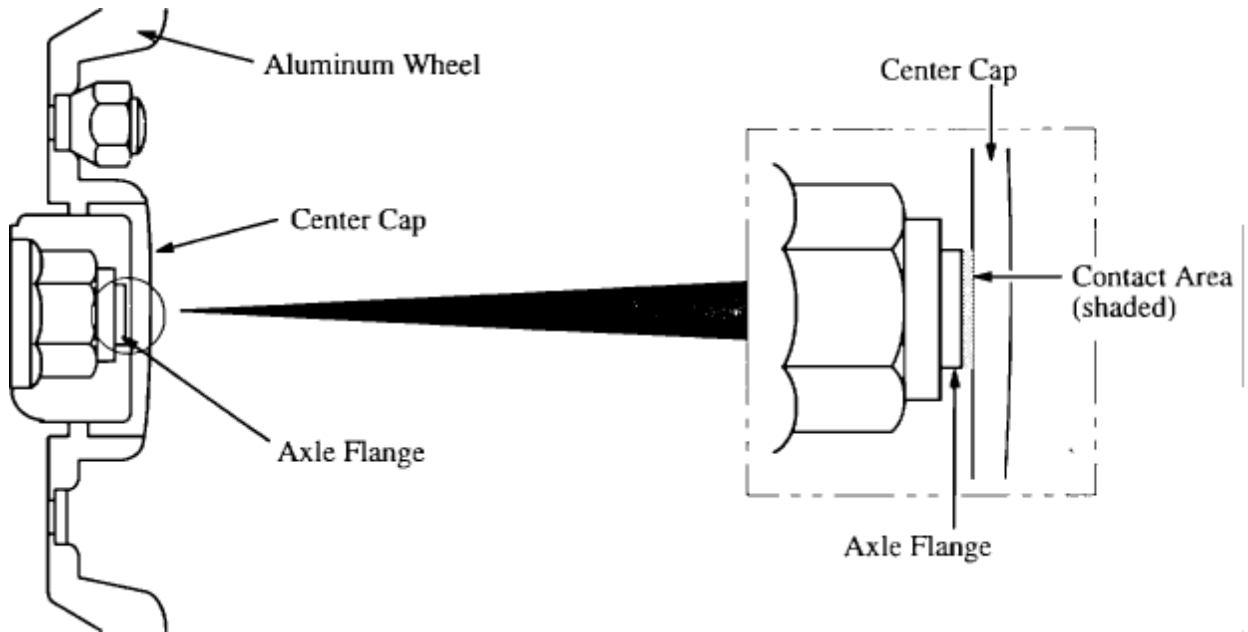
**T01792 SEP 92 Antenna Mast - Service/Replacement**

If the antenna breaks, you can just replace the antenna mast and not the whole mast and motor assembly. Also, keep the antenna clean to keep the antenna from hanging up and breaking.

**Q00392 SEP 92 Wheel Center Cap - Sticks Out**

The wheel cap can interfere with the hub nut and stick out slightly. There's a new part number for an updated cap - FD01 37 191B - or you could probably just dremel out some of the material at the back of the wheel center cap to fix the problem.

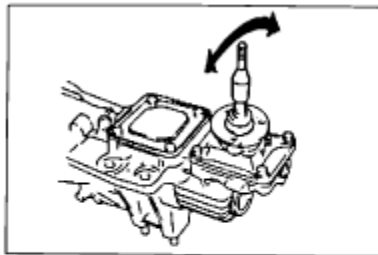
Pic of the problem/interference point:



**W02892 JUL 92 Fuel System, M/T - Manual Revisions**  
Two updated shop manual pages for the '93 shop manual -

## J

### TRANSMISSION



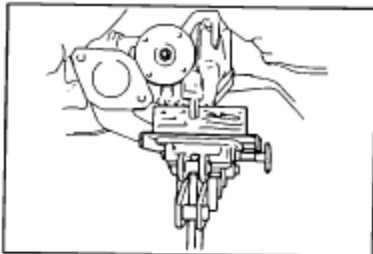
#### Disassembly note

##### Extension Housing

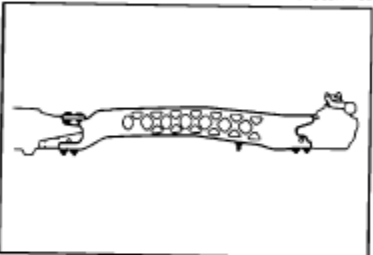
1. Temporarily reinstall the shift lever, and move the control rod end to the neutral position.
2. Remove the shift lever.
3. Remove the extension housing installation bolts.

#### Caution

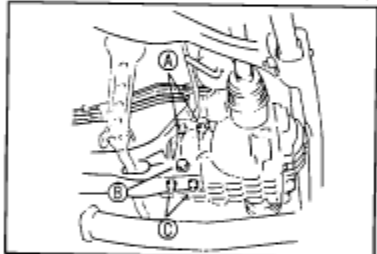
- When removing the extension housing, be careful that the control lever is not pulled into or pushed against the shift rod gates.
4. Lift up on and remove the extension housing from the center housing.



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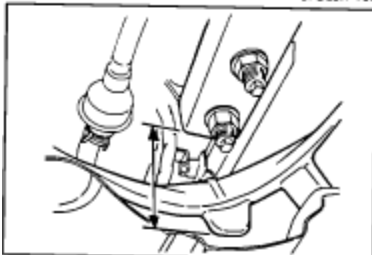
37U0JX-164



37U0JX-165



37U0JX-166



Revised 7/92

37U0JX-167

**Power plant frame (PPF)**

**Caution**

- Do not reuse PPF installation nuts.

1. Hold the differential at a 0° angle by using the transmission jack.
2. Hold the PPF in place with a new bolt and 8 new nuts.

**Caution**

- Tighten the differential-side PPF installation bolt/nuts first.

3. Tighten the differential-side PPF installation bolt and nuts in the order shown.

**Tightening torque:**

- A, C: 148–176 N·m (15.0–18.0 kgf·m, 109–130 ft·lbf)
- B: 75–93 N·m (7.6–9.5 kgf·m, 55–68 ft·lbf)

4. Tighten the transmission-side PPF installation nuts in the order shown.

**Tightening torque:**

- 148–176 N·m (15.0–18.0 kgf·m, 109–130 ft·lbf)

5. Remove the transmission jack.
6. Lower the vehicle to the ground, and remove the SST (engine supports).

**PPF Measurement Procedure**

Measure the distance from the bottom of the front tunnel reinforcement to the point directly above it on the PPF.

**Standard**

77.1 mm (3.04 in)

**Acceptable range**

72 – 79 mm (2.83 – 3.11 in)

**Caution**

If the distance is not within the acceptable range, readjust the PPF.

**K01292 JUL 92 Hold Indicator Light Flashes DTC 57 W/Engine Running**

The Hold light on automatic '93s could flash an error code 57 while driving. If so, you need to replace the automatic transmission computer with the newer revised part - probably best to find a good used one. VINs below P0205980 are affected.

**F01892 MAY 92 Fuel - Using Premium Grade Improves Driveability**

Use high octane fuel, since the owner's manual asks for it. What a revelation!

**ATRATB078 NOV 91 A/T - How To Use A Pressure Gauge**  
These are all just general automatic testing procedures for all Mazdas.

**ATRATB028 OCT 90 A/T - Engine Vacuum Testing**  
These are all just general automatic testing procedures for all Mazdas.

**ATRATB9002006 FEB 90 A/T - Choosing the Right ATF**  
These are all just general automatic testing procedures for all Mazdas.

**ATRATB8930 OCT 89 A/T - Math Part II**  
These are all just general automatic testing procedures for all Mazdas.

**ATRATB8927 SEP 89 A/T - Twenty Steps To Successful Repairs**  
These are all just general automatic testing procedures for all Mazdas.

**ATRATB8923 AUG 89 A/T - Math Formulas Part I**  
These are all just general automatic testing procedures for all Mazdas.

**ATRATB8754 SEP 87 A/T - Front Bushing Wear**  
These are all just general automatic testing procedures for all Mazdas.

**ATRATB8748 AUG 87 A/T - Slipping or No-Shift/Metal Sealing Rings**  
These are all just general automatic testing procedures for all Mazdas.