

GENUINE SPORTS SOUND MUFFLER

INSTALLATION AND USER'S INSTRUCTIONS

Thank you for purchasing a genuine Mazda accessory.
Before removal and installation, be sure to thoroughly read these instructions.
Please read the contents of this booklet in order to properly install and use the sports sound muffler. Your safety depends on it.
Keep these instructions with your vehicle records for future reference.

WARNING

- There are several  **WARNING** and  **CAUTION** sections in this booklet concerning safety when installing or removing the sports sound muffler. Always read and follow them in order to prevent injuries, accidents, and possible damage to the vehicle.
 -  **WARNING:** Indicates a situation in which serious injury or death could result if the warning is ignored.
 -  **CAUTION:** Indicates a situation in which bodily injury or damage to the vehicle could result if the caution is ignored.
- Do not modify the sports sound muffler.
- Do not install the sports sound muffler in any way other than described in the following instructions.
- If in any doubt, please ask your Mazda dealer to install the accessory in order to prevent errors in installation.
- If you have any questions about the use of the accessory, ask your Mazda dealer for proper advice before using it.
- Mazda and its suppliers are not responsible for injuries, accidents, and damage to persons and property that arise from the failure of the dealer or installer to follow these instructions.
- To ensure safety and reliability of the work, installation, removal and disposal work must be carried out by an Authorized Mazda Dealership.
- Be careful not to lose removed parts, and be sure that they are kept free from scratches, grease or other dirt.

PART NAME: SPORTS SOUND MUFFLER
PART NUMBER: QSEA 40 100
VEHICLE: Mazda RX-8 (Type: SE3P)

NOTE

To the dealer

- Please turn over these instructions to the customer after installation.

To the customer

- Keep these instructions after installation. The instructions may be necessary for installing other optional parts or removal of this accessory.
- Should the vehicle or this accessory be resold, always leave these instructions with it for the next owner.

⚠ CAUTION

- Exhaust gas may leak into the passenger compartment if this accessory is not in proper operating condition due to damage or deterioration over time. If this accessory is not in proper operating condition, do not use it any longer and replace immediately.
- The muffler becomes hot when the engine is started. Never touch it as you may be burnt. Do not get near the muffler, place flammable substances near the vehicle, or stop or park the vehicle near flammable substances.
- To prevent a burn, perform installation with the engine stopped and after the muffler and any other parts related to the installation become cold. Wear protective gloves and goggles when performing installation.
- The muffler may not be installed properly if the hanger rubber securing the muffler is worn. Replace the hanger rubber with a new part as necessary. (The hanger rubber is purchased separately. Use a genuine Mazda part.)
- Be sure to use the gasket and nuts included in this kit to install the accessory.
- After installation, be sure to check the accessory, installation parts, hoses, and wiring harnesses for interference and exhaust gas leakage to prevent any accident or fire.

1 PARTS

Note

- Verify that the kit includes all the following parts and that the parts are not dirty, scratched, or damaged.
- The actual part number is QSEA 40 100, however, the part number indicated on the accessory is QSE1. This does not indicate a port shipment mistake.

Part name	Spec (Part no.)	Qty.	Part name	Spec (Part no.)	Qty.
Main silencer	Tail diameter: 76.3	1	Middle pipe	65	1
Ring seal	(L307 40 581)	1	Flange nut	(99940 1003)	2
Stud bolt	(B31R 40 584)	2	Nut	(JE10 40 355)	3
Gasket	(N3H1 40 305)	1	Installation and user's instructions		1

2 PRODUCT FEATURES

- This accessory provides a pleasant sporty sound. Though the sound is deep, the sound level is equivalent to that of the original muffler.
- Periodic maintenance is recommended to prevent uneven burn marks around the muffler tail.

3 BEFORE INSTALLATION

REQUIRED TOOLS

Prepare the following tools or items before installation.

- ★Wrench

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INSTALLATION

1. Remove the catalyst, then remove the original main silencer.
2. Replace the ring seal at the rear of the catalyst. Replace the stud bolt if necessary.
3. Install the main silencer to the vehicle and tighten the ground cord.
4. Insert the middle pipe by aligning the notch with the main silencer and turning until it contacts the stopper. Then insert the hanger rubber to the differential.
5. Insert the gasket to the front of the catalyst until it contacts the flange and install the catalyst to the vehicle. Insert the hanger rubber to the PPF. Temporarily secure the front and rear of the catalyst with the flange nuts and nuts, and tighten them fully to the specified torque.

Tightening torque:

Flange nut: 38-51 N·m {3.9-5.2 kgf·m , 29-37 ft·lbf}

Nut: 38-51 N·m {3.9-5.2 kgf·m , 29-37 ft·lbf}

6. Make sure the protrusion for positioning the middle pipe is contacting the stopper, and evenly tighten the nuts for the band fastening the middle pipe and the main silencer within the specified torque.
Tightening torque: 40.3-54.2 N·m {4.11-5.52 kgf·m , 29.8-39.9 ft·lbf}
7. Check that there is no interference with the vehicle body and there is a sufficient gap between the muffler tail and the rear bumper. If the gap is not sufficient or the muffler outlets area not centered, loosen the nuts and adjust the position.
8. Wipe off oil and dirt from the tail pipes to prevent uneven burn marks.
9. Start the engine and check for exhaust gas leakage, interference between the muffler and the vehicle body, and condition of the hanger rubbers.
10. Check for looseness and vibration. Retighten bolts and nuts after driving the vehicle 100 km.

