



Installation Instructions

Exhaust Manifold MX-5 NC

Date:	18.07.2022	Revision:	1
Editor:	Nico Hafner	Vehicle:	Mazda MX-5 NC

Scope of delivery:

- 1x Exhaust manifold fitting MX-5 NC

Warning:

Please read this instruction before installation and get in touch with the work on the car! Ideally, have the installation done by a professional workshop. Tighten all screws with the torque recommend by the manufacturer. The assembling company is liable for installation mistakes. In case of manufacturing defects, the corresponding components will be replaced without any costs within the warranty period.

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Preparation:

- Park the vehicle, switch off the engine and let the engine cool down
- Open the hood
- Remove the underbody tray and the struts from the front until the cross strut

Removing the old exhaust header:

- Remove the heat shield that is mounted on the chassis in the engine bay
- Loosen the connection between manifold and catalytic converter
- Push the exhaust system backwards to get the catalytic converter away from the manifold's studs
- Loosen the heat shield of the exhaust manifold and remove it
- Remove the bracket that is mounting the manifold to the engine
- Disconnect the connectors of the lambda sensor that is fitted in the exhaust manifold
- Remove the accessory belt
- Remove the generator
- Loosen the nuts of the connection of the manifold to the cylinder head
- Lift the exhaust manifold upwards out of the engine bay

Swapping the lambda sensor to the new exhaust manifold:

- Remove the lambda sensor from the old manifold
 - ➔ In case this doesn't get loose, try to heat up the manifold around the lambda sensor
- Fit the lambda sensor in the new exhaust manifold (or for the second lambda sensor into the fitting behind the catalytic converter) and tighten it (Tightening torque according to manufacturer's advice 29-49 Nm)
- Possibly you can wrap the new manifold with heat protection

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Installing the new exhaust manifold:

- Replace the exhaust manifold gasket
- Place the new manifold in the engine bay and place it safe on the studs in the cylinder head
- Tighten the nuts that attach the manifold to the cylinder head (Tightening torque according to manufacturer's advice 43-64 Nm)
- Reinstall the generator
- Reinstall the accessory belt
- Plug in the lambda sensor connector
- Insert and tighten the bracket that is mounting the manifold to the engine (Tightening torque according to manufacturer's advice 38-52 Nm)
- Replace the gasket between manifold and catalytic converter
- Place the exhaust catalytic converter on the studs of the manifold
- Tighten the nuts that attach the manifold to the catalytic converter (Tightening torque according to manufacturer's advice 38-52 Nm)

Final work:

- Install the underbody tray and the struts you removed earlier
- Start the engine and check for any leakage of the exhaust system

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