



# Installation Instructions

## Exhaust Manifold MX-5 NA/NB/NBFL

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### Scope of delivery:

- 1x Exhaust manifold fitting MX-5 NA/NB/NBFL (depending on the parts ordered)
- 1x Gasket exhaust manifold to catalytic converter

### 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 air filter housing
- Remove the intake system to the throttle body

### **Removing the old exhaust header:**

- Lift the car full up to work from below
- Remove the gearbox screws that attach the manifold to the gearbox
- Loosen the connection between manifold and catalytic converter
- Push the exhaust system backwards to get the manifold away from the catalytic converter's studs
- Loosen the heat shield of the exhaust manifold and remove it
- Disconnect the connector of the lambda sensor that is fitted in the exhaust manifold
- 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 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 38-46 Nm)
- Plug in the lambda sensor connector
- Insert and tighten the gearbox screws you removed earlier (Tightening torque according to manufacturer's advice 64-89 Nm)
- Replace the gasket between manifold and catalytic converter
- Place the exhaust manifold on the studs of the catalytic converter
- Tighten the nuts that attach the manifold to the catalytic converter (Tightening torque according to manufacturer's advice 40-55 Nm)

### **Final work:**

- Install the intake system to the throttle body
- Install the air filter housing and connect it to the intake system
- Start the engine and check for any leakage of the exhaust system

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