



# Installation Instructions

## Aluminium Radiator Mazda MX-5 ND

<b>Date:</b>	1.09.2021	<b>Revision:</b>	0
<b>Editor:</b>	Nico Hafner	<b>Vehicle:</b>	Mazda MX-5 ND

### Scope of delivery

- SPS Radiator fitting MX-5 ND

### 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.

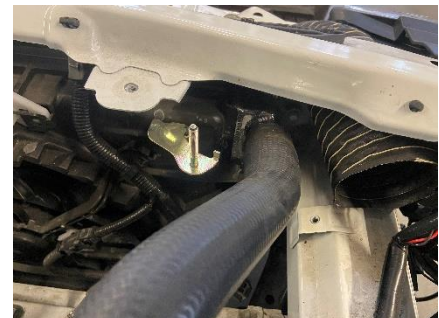
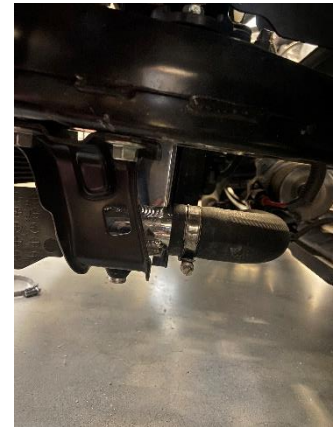
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### **Preparation:**

- Park the vehicle, switch off the engine and let the engine cool down
- Open the hood
- Remove the bottom tray
- Remove the battery
- Remove the air filter housing and intake hose

### **Removing the OEM radiator:**

- Remove the lower radiator hose from fan shroud
- Loosen the AC condenser from the radiator
- Ablasswanne unterstellen
- Place a drain pan underneath the lower radiator hose
- Loosen the hose clamp of the lower radiator hose and remove the hose from the radiator, *from this moment coolant will start draining out of the radiator and the engine*
  - ➔ Please do not use the OEM drain plug in the radiator, because it most likely will get damaged
- Loosen the hose clamp of the upper radiator hose and remove the hose from the radiator
- Remove the coolant overflow container
- On the lower side the radiator sits in rubber bushings, remove those bushings including the brackets
- Loosen the plastic clips holding the fan shroud and the radiator together. The radiator should now be able to move
- Carefully remove the radiator from the car. You'll probably need to lower the radiator on the passenger side first to move the radiator around the AC hardlines



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### **Preparation of the new radiator:**

- Place the 6 rubber bushings from the OEM radiator on the new radiator

### **Installing the new radiator:**

- Carefully move the radiator into the engine bay watch out that the radiator sits right
- Tighten the lower mounting brackets
- Mount the AC condenser to the radiator
- Connect the fan shroud to the radiator
- Connect the lower radiator hose to the radiator and tighten the hose clamp
- Connect the upper radiator hose to the radiator and tighten the hose clamp
- Reinstall the coolant overflow container
- Fill the cooling system with fresh coolant mixture using the filler cap on the upper radiator hose
- Reinstall the intake system and air filter housing
- Install and connect the battery



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### **Venting the cooling system:**

- Fill the overflow container with coolant mixture
- Open the filling cap of the upper radiator hose and pump with your hand on the upper radiator hose to get the first air out of the system. Always refill the system with fresh coolant mixture while doing this
- As soon as there don't come any air bubbles out of the system anymore, you can start the vehicle
  - ➔ Leave the fill cap open while doing this
- Let the engine get to it's operating temperature with heating on full hot, possibly refill coolant mixture to the radiator
- At this moment you can also check if your fan wiring is working properly, as this should start after a few time
- Always watch for the coolant temperature while the engine runs
- As soon as the car has been vented fully and is in it's operating temperature, you can close the filler cap and shut down the engine

### **Final work on the vehicle:**

- Check for leaks at every connection you were working on
- Install the bottom tray
- Check the coolant level after going on a test drive

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