



# Installation Instructions

## Aluminium Radiator Mazda MX-5 NA

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### Scope of delivery:

- SPS Radiator fitting MX-5 NA

### 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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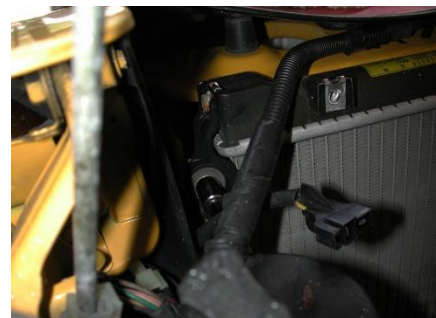
### **Preparation:**

- Park the vehicle, switch off the engine and let the engine cool down
- Open the hood
- Remove the bottom tray
- Remove the intake system (for OEM vehicles the part between throttle body and air filter)



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

- Disconnect the fan wires
- Remove the fan from the radiator
- 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 radiator side of the connection hose from the radiator to the overflow container You can put this hose into the overflow container to avoid coolant dripping into your engine bay
- Loosen the upper left and right fastening point of the radiator to the car
- On the lower side, the radiator is only pushed into a U-shaped piece, so there are no screws to remove
- Carefully remove the radiator from the engine bay



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

- Remove the rubbered pins of the OEM radiator and place them on the new radiator. Move one pin after the other so you can verify the right direction
- Remove the upper rubber bushes (from the fastening points) and place them on the new radiator
- Mount the fans on the new radiator



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

- Carefully move the radiator into the engine bay watch out that the rubbered pins sit right in the U-shape
- Tighten the two upper fastening screws of the radiator
- Control if the fan is freely rotating in the directions of the radiator and anti roll bar
- Connect the fan wires to the fan
- 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
- Connect the connection hose between overflow container and radiator to the radiator
- Fill the cooling system with fresh coolant mixture using the filling cap in the radiator
- Mount the intake system and tighten the screws

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

- Fill the overflow container with coolant mixture
- Open the filling cap of the radiator 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 radiator 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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