

# Jass Performance MX5 Frame Rails Installation Manual

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The Jass.Performance Low Profiles feature:

- Stiffening of the convertible body structure of the MX5
- Rustproof under floor protection against scratches and stone hits, especially on lowered cars
- Strong points for lifting the car
- Stainless steel replacement fuel line brackets are included
- Full stainless steel mirror polished design

## What is in the box:

- Left and right frame stainless steel frame rails
- 2x fuel lines brackets
- 21 x stainless steel bolts 20mm
- 3 x short stainless steel bolts 16mm
- 24 x stainless steel small washers
- 24 x stainless steel big washers
- 24 x nuts

## Tools needed:

- Socket wrench 10mm
- 2 x socket wrenches 13mm
- Drill machine with 8mm drill bit
- Important: don't use pneumatic tools, as the securing plastic of the nuts tends to melt from the heat caused from the fast rotation.

## Preparation:

In order to install the frame rails the seats should be fully removed and the carpet tied in the middle above the center console. In order to remove the carpet the side carpet trim should be removed, the dead pedal and the bottom securing screws of the belts.

## Frame Rails Installation:

Please make sure the original frame rails are into shape, before proceeding with the frame rail installation. Clamps or even hammers are helpful in this process.

The brace with the side holes goes on the right side, as they are meant for securing the fuel lines. It is best to start with the left one first.

The frame rails should be positioned as far as possible to the front, but still sit flat on the floor surface. After it is in place and positioned, drill the first hole at the front and proceed with the rest to the end of the rails. The small washer goes at the bottom, the big one at the top.

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Important note: While it has the obvious advantage of being rust proof, important at the location used, the stainless fasteners can take just a bit more torque than fastening the rails securely – 20NM is the recommended torque setting. Stainless steel fasteners tend to gall while being tightened. The risk of galling or thread seizing can be reduced by:

- Using lubrication
- Tighten fasteners with low rpm's; without interruptions
- Apply only light pressure

You can use some rustproof treatment at this time for the drilled holes as well.

To install the right brace you will need to unscrew the fuel line brackets and put the fuel lines aside.

Slide the frame rail in. Now you need to secure it with a screws starting from the front the same way as the other side. The screws on the inner side (fuel lines side) should be screwed with the nuts pointing inwards (up) and heads outwards (down) to allow minimum clearance to the fuel lines. Please use the provided 4 shorter screws at the front on the inner side. They will not interfere with the carpet later on this way.

Now remove the stock brackets from the fuel lines by pulling them down and and rotating them.

Install the new bracket provided on the plastic lines holder in reversed order. The new bracket holds the bracket lower than the stock one. You can alternatively bend the stock one bit down to achieve similar effect.



Please double check that all screws are in place before installing the interior in reversed order.

*Now take a drive and enjoy the stiffer ride of your roadster!*

*With regards,*

*Jass Performance!*