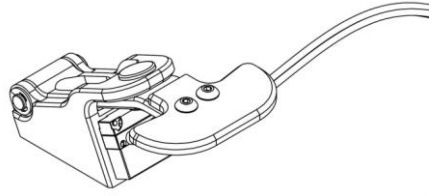


# PRECISION

Design Worx

## PARTS INCLUDED

Two (2) shifter assemblies  
Four (4) M4x.70 button head cap screws, 10mm length.  
Four (4) M4x.70 button head cap screws, 12mm length.  
Two (2) carbon paddles-optional



## MSV1 Paddle Shifter Instructions

**Caution: This instruction set is not an all-inclusive guide to converting your setup to paddle shifters. This contains information pertaining to the mounting of the shifter assemblies.**

These shifters and paddles can be mounted in a variety of positions but require a flat surface to mate up against. Any non-flat surface may cause undue stress on a number of parts. The shifter assembly is held on by two M4x.70 button head cap screws with a 12mm length. These screws should be tightened down to 2.9NM and secured with Loctite 243. If the screws need to be swapped out for a different length or type of screw, please reference the industry standards for accepted torque values.

When attaching the optional paddles, the M4x.70 button head cap screws with a 10mm length will be used. The same torque values can be used for these screws. The paddle can either be mounted on the top or bottom of the paddle shifter lever arm. As the carbon paddles have chamfers on one side, it is suggested to ensure the chamfer is always facing outward to reduce any risk of the paddle becoming uncomfortable.

The already attached switch is IP67 rated and has a 2,000,000 cycle mechanical life. The switch is a single-pole, double-throw (SPDT) switch with three wires exiting the side of the switch. The Common wire is black, the Normally Closed wire is grey and the Normally Open wire is blue. These will need to be hooked up accordingly with the diagram provided by the setup you are using. If one of the three wires is not needed, this can be trimmed and terminated in a safe and secure manner.

If disassembly is needed for any reason, it is recommended to remove the carbon paddle first, followed by the lever arm. This can be done by removing the E-Clip located on the pivot pin, followed by sliding the lever arm out the rear of the assembly. As the magnets used in this setup are extremely powerful, care should be taken to ensure no damage is done to the surrounding parts or yourself.