

MattMill Student Drive Kit MMST AK

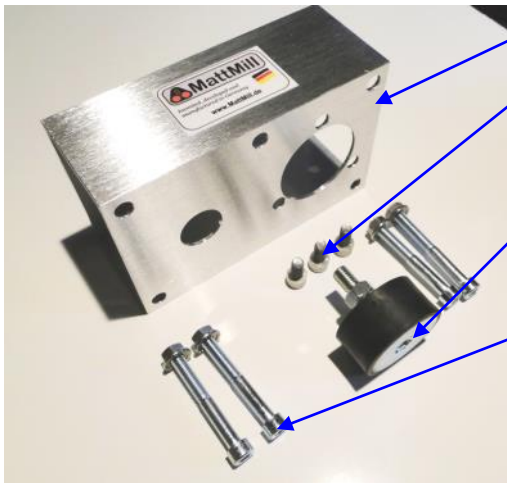


Motorised operation of the MattMill Student is at the user's own risk and responsibility. There are sources of danger. Precautions must be taken against possible interference with the roller area!

Instructions for mounting the drive kit on a MattMill Student

Required tools: open-end wrench SW13, wrench SW10, Allen key SW5, if necessary water pump pliers, narrow wooden wedge, e.g. wooden clothespin half, etc. for blocking the rollers.

1. Check the shipping list:



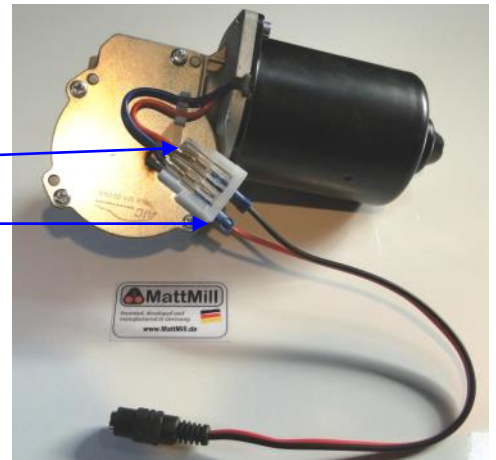
- a. 1x Adapter housing Aluminium
- b. 3x hexagon socket screws M6x 16 for mounting your 12V wind-screen wiper motor (pitch circle 50.8mm, shaft outlet M8, e.g. wind-screen wiper VW Golf III, IV, Passat, T4, Vento)
- c. 1x shaft coupling Rubber buffer with groove M8 Width across flats SW13
- d. 4x Connection screws hexagon socket M6x 50 with flange nut M6

2. Connecting and testing your wiper motor:

Minus 12V on motor cable with highest speed, often red.

DC plus 12V to ground,

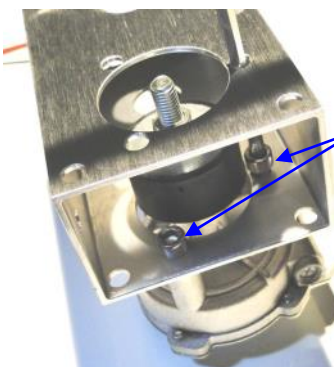
Test the connections: The motor must turn counterclockwise when looking at the shaft outlet stub. The higher of the two speeds (usually approx. 60/min.) is recommended.



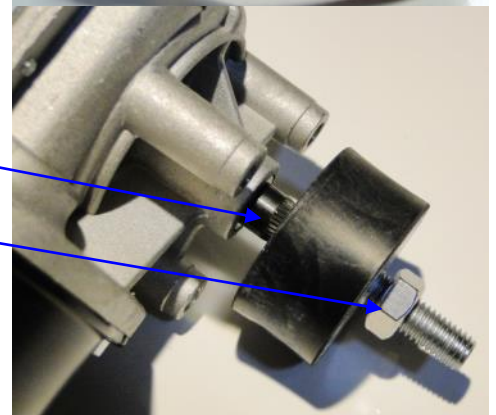
3. preparation:

A) Screw the shaft coupling rubber buffer with its M8 internal thread onto the thread M8 of the motor shaft stub. Tighten firmly. Use pliers if necessary!

B) Turn the lock nut on the shaft coupling thread completely by hand.



C) Screw the motor to the adapter housing. Use the enclosed hexagon socket screws M6x 16 with an Allen key SW5 for this purpose. The motor should later drive the left roller of the MattMill clockwise. Note the mounting side, see picture!



Since the grub screw facing the drive for fixing the funnel is difficult to access after the drive has been installed, it should be preset.

C) Connect the pre-assembled drive to the MattMill Student:

A. First thread the hexagon socket screws M6x50 with the tip through the holes in the housing of the MattMill Student.

B. Slide the pre-assembled adapter housing to the MattMill until the external thread of the shaft coupling lies on the internal thread M8 of the MattMill drive roller.

C. Turn the MattMill drive roller on the shaft outlet stub of the motor until the pre-assembled adapter housing lies flat and tension-free on the MattMill and the drive roller is axially tension-free.

D. Turn the lock nut by hand until it reaches the drive roller.

E. Block the drive roller against clockwise rotation by means of the wooden wedge or similar from above and tighten the lock nut with the fork wrench SW13 as tight as possible against the drive roller to prevent further axial adjustment during operation.

F. Check that the adapter housing is in contact and that the MattMill drive roller is axially tension-free.

G. Screw the nuts M6 onto the connecting screws and tighten them.

H. Check the free running of the rollers. These must remain slightly movable axially in both directions. If necessary, correct by turning the drive roller to the shaft coupling after loosening the lock nut. Then tighten again!

I. Mount the MattMill with the mounted drive on a table edge or on a suitable wooden board. Ensure a stable seat and free outlet at the bottom. Take precautions against falling down. Take precautions against reaching into the roller area and drive area. Fasten and secure your funnel. Do a test run.

