

Instructions for mounting your pulley on motor spindle

Removing the old pulley

Removing old pulleys needs care as you cannot exert undue force pulling on the pulley or you will damage the motor spindle. Normally a gently pull with your fingers will remove the old pulley (never use pliers or a puller etc).

This does not always work if the pulley has been glued on. In which case there is another method for Origin Live plastic pulleys. Take a pair of molegrips and set them to crush the pulley. This will deform the pulley drastically and break the glue joint. The pulley will be wrecked but you will have removed it.

Installing the new pulley

To attach your pulley to the motor shaft you normally simply push it on till the taper fit grips the pulley well.

However if the fit is still not tight enough to avoid the spindle slipping at start up, then you can apply a small amount of superglue. To avoid damage to the motor never apply superglue to the motor spindle directly or you run the risk of it running into the bearings.

Instead take a pin or thin wire and place a very small drop of superglue onto the end. Now transfer the superglue from the end of the pin to the inside of the pulley hole. Only smear one side of the hole with superglue (not all the way round).

The pulley is a precision taper fit to the motor shaft and needs only a very small amount of superglue to ensure no slipping so do not reapply any more glue.

Now push the pulley onto the shaft with a fast push. Speed going down the shaft is essential or the pulley can easily glue tight on the way down before it reaches the end destination. Aim to leave approx 1 – 2mm gap between the underside of the pulley and the topmost part of the motor.

The glue will normally set within seconds.

NOTES

Do a trial run pushing the pulley onto the shaft without glue so you get a feel for how it's going to go on and how far to push.

The orientation of the motor and pulley are unimportant for the gluing operation. In other words you can hold the motor on it's side or upright.

All types of superglue should work well.