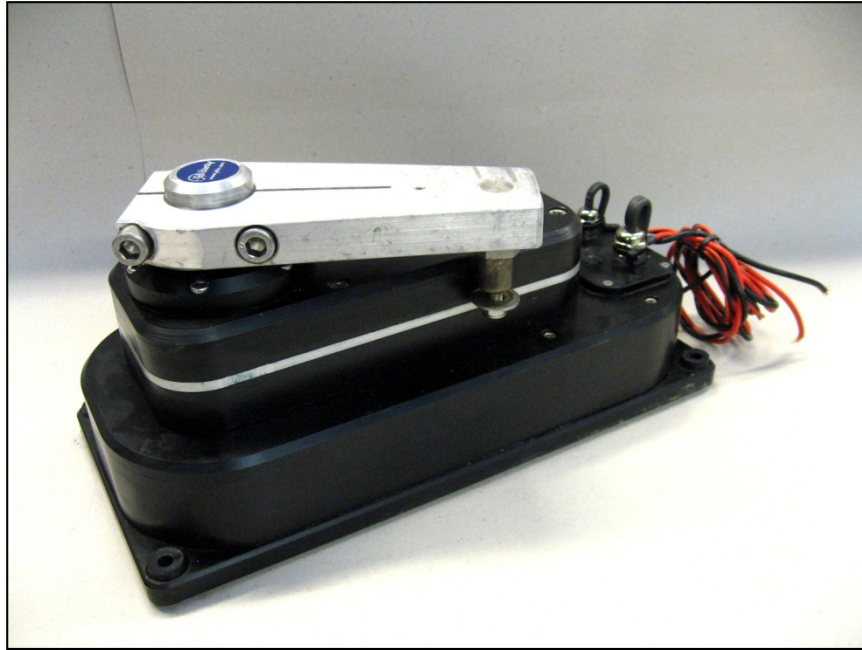


Manual for changing magnets and springs on direct drive

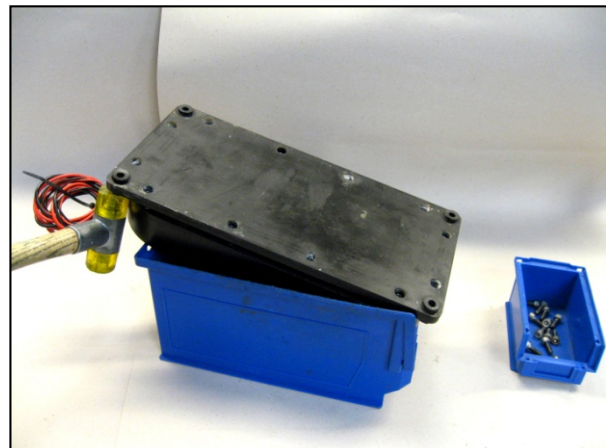


Picture of DU-DD1-12 M1

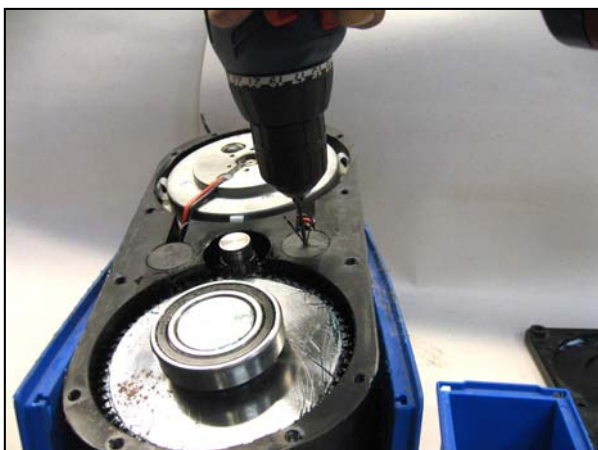
Manual works for both DU-DD1-12 M1 and DU-DD1-12 M2



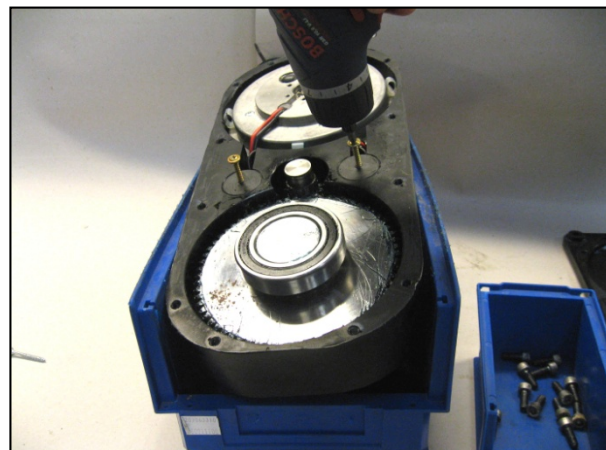
Dismount 12pcs M8 allen screws



Use a rubber hammer to get the bottom plate of the drive



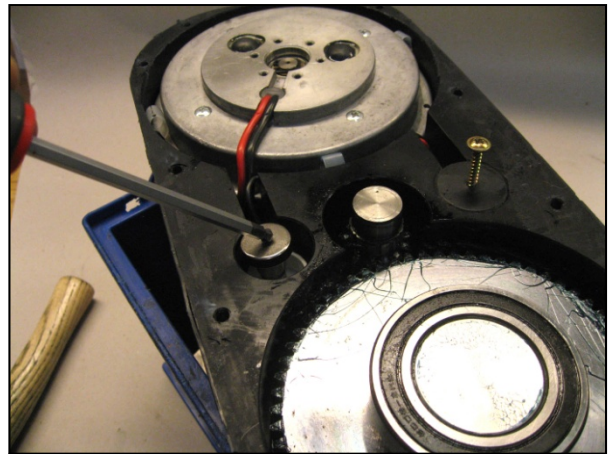
Bore small hole for screw, 2.5 – 3mm, in the center of the POM blocks



Use 2pcs screws, one in each on the new holes in the POM blocks.



Use a crowbar to pull out the POM blocks. Watch out that you don't damage the drive.



Use a screwdriver to pull out the magnet with pin and spring



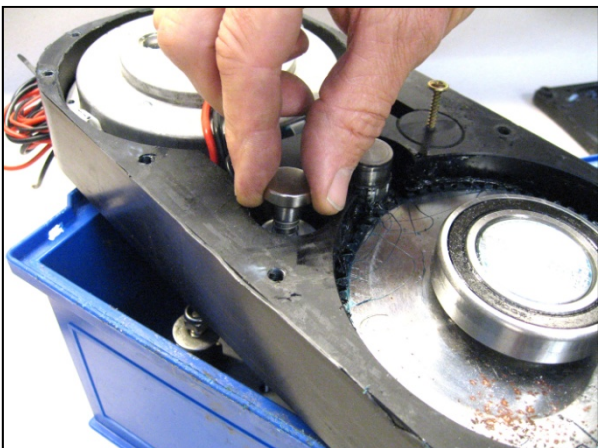
Make sure the magnets pull the same way as on picture



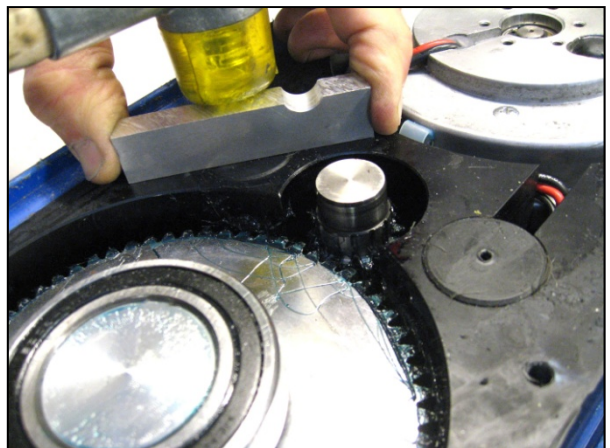
Move pin to the new magnet
Important: the magnets should be polarized as before



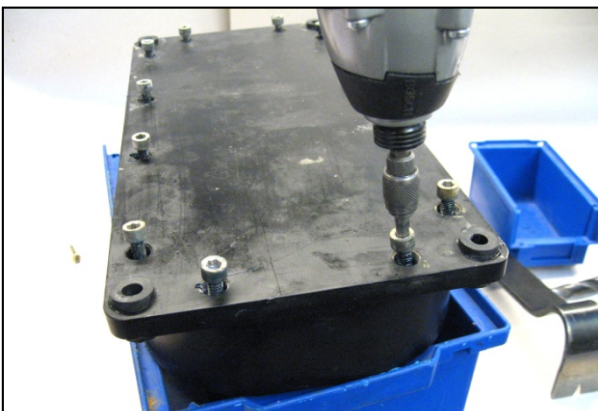
Pull the old spring of the pin and put the new spring on, turn the spring, it fits in a track on the pin



Put pin, spring and magnet back in the drive



Use a hammer and any tool with a strait surface to get the POM block mounted planer with bottom of the drive house



Mount bottomplate and 12pcs M8 allen screws

NB: it's very important that the magnets are polarized the same way as before. If both magnets are reversed (in the wrong direction), the clutch will not engage. The best way to test this is before you mount the bottom plate, put 12v power to the thin cables from the drive unit, and the magnets should pull into the drive. If the magnets jump out of the drive, turn the magnets the other way.