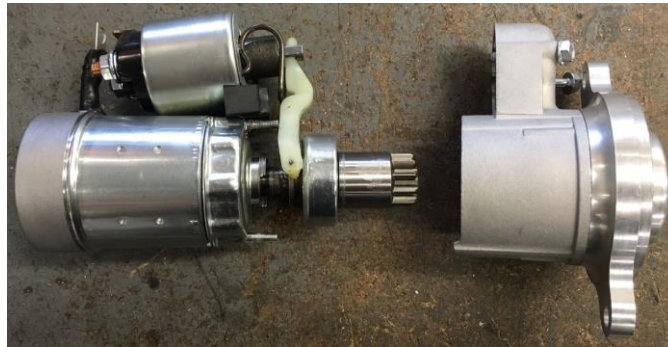


Hitachi 'Slimline' Pinion Kit Fitting Instructions

*LMPK**** denotes the part is a pinion kit, the first two numbers denote the number of teeth on the pinion and the final two numbers denote the diameter of the gear.*

Undo the 2 x 8mm hex headed bolts which pass through the motor and the 2 x 10mm hex bolts which attach the solenoid to the drive end intermediate housing. They can all be left in place.



Push on the front of the pinion in order to remove the solenoid and motor assembly as one complete unit. It will make re-assembly easier and quicker if the unit stays complete.



Knocking the c-clips off enables the drive to move back far enough to slide off the locked spline and on to the next spline which is open therefore enabling the drive to be taken off the shaft. Every other spline on the shaft is open, and every other spline is locked. For operation the drive needs to be on the locked splines so it cannot come off.



Slide the new drive back on to the splines and all the way back until it falls off the back of the spline and then move around and slide back up a locked section of splines meaning the drive can't come off.



At this point re-fit the c-clips locking the drive on the locked spline section of the shaft.



There is a thin slip ring. This must be between the c-clips and the planetary gear box, NOT between the drive and the c-clips.