

20 GDS Helpsheet



*World Leaders in Computer Controlled Testing
Systems for Geotechnical Engineers and Geologists*

Hardware

Advanced Controller 1000cc

Reconnection of Motor and Gearbox to Ball Screw

1. Reconnection

1. Fit the bellows keeper-ring over the flanged end of the bellows. Now fit the bellows over the ball screw making sure to get it the right way round with the keeper-ring end towards the end of the ballscrew.
2. Now push the gearbox up to the ballscrew. By hand, turn the ballscrew so that the top of the dowel pin hole corresponds to the position of the hole in the gearbox output shaft. Push the two shafts together and line the holes up. You may need to separate the shafts and try again if they do not line up first time.
3. Drive in the hardened dowel pin. Some versions of the controller were fitted with 3/32" spring pins and so the new pin will not fit. In these cases, drill a 3mm hole through the existing hole and ream out with 1/8" ream to obtain a light tap fit with the dowel pin provided.
4. Fit the bellows keeper-ring to the face of the gear box.
5. If there are any problems, call GDS.