

Procedure for fitting External box retrofit seal onto Keenan 140/170/200

A new type of seal mounting has been designed for service, where the bottom 2 seal retainer bolts are welded to the front panel holding the seal in, leave the internal seal in place and fit the following external box outside the mixing chamber with the seal 701822 behind the front sprocket of the machine . This will aid fitting as space is not as restricted inside due to the welded on bolts and makes any further replacement of the seal far easier and faster .

Procedure for fitting Seal Retainer Housing Assembly FP140-007-0019

- 1 Check that the rotor is currently in the centre of the machine . This is done by looking at the rotor's position relative to the removable front window of the machine and the rotor pipe should sit centrally in this hole. If the rotor is not sitting centrally then this needs to be adjusted as otherwise this will prematurely wear one side of the seal and cause failure.
- 2 Centralise the rotor by moving it sideways to get the correct centre distance between the auger and rotor shafts . This can be done with a jack as per photo below. In order to identify the correct centre distance remove the bearing covers on the rear of the machine and ensure that when the rotor is moved the rotor and auger shafts are parallel and the rotor now lies in the centre of the hole in the front window.
- 3 It is not necessary to remove the existing retainer or seal unless they are preventing the rotor from being adjusted to the correct position .
- 4 Referring to Photo 3 the new seal retainer housing comes in two parts A and B and is split to allow for fitting but also to ensure that when the assembly is welded to the front of the machine that the rotor window can be removed in case the rotor ever has to be taken out of the machine. Part B is notched so it sits snugly against the reinforcing front channel on the machine and this has to be welded onto this area . Part A should be welded onto the front window only and ensure it is not welded to Part B .
- 5 Split the seal and mount it onto the internal seal retainer plate by sliding it onto the bolts . Ensure that the split in the seal is not directly opposite the splits in the retainer to avoid any possibility of leakage . Glue the sides of the seal back together using Loctite 480 or 406 glue. Do not use superglue as it is too brittle . 480 is the preferred grade as it is the most flexible when it cures .
- 6 Fit the external seal retainer (two matching halves) Part no FP140-007-0026 to the assembly and tighten bolts..

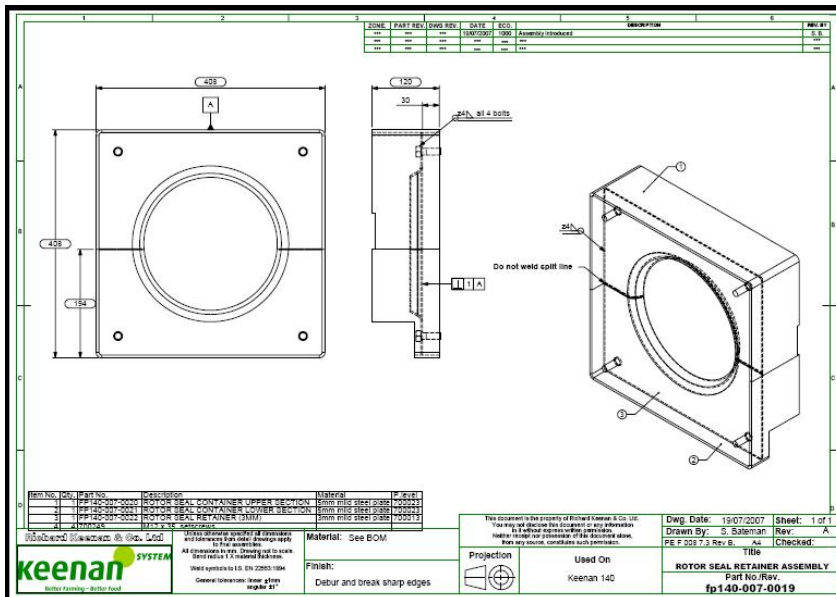


Photo 1 showing measurement technique to find shaft centres

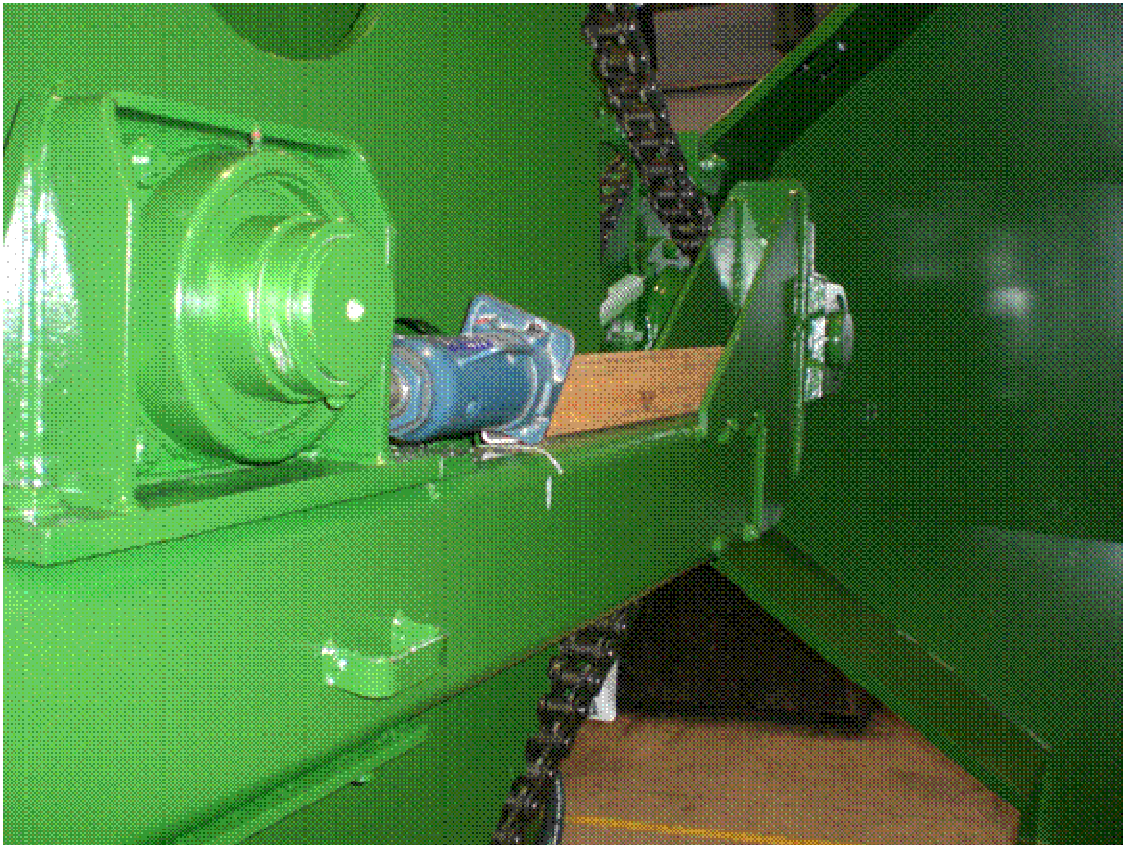


Photo 2 showing adjustment method of rotor position . It will be necessary to weld a stop in place when rotor is placed in correct position .



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Photo 3 shows both parts of internal seal retainer housing



Photo 4 shows both parts of external seal retainer

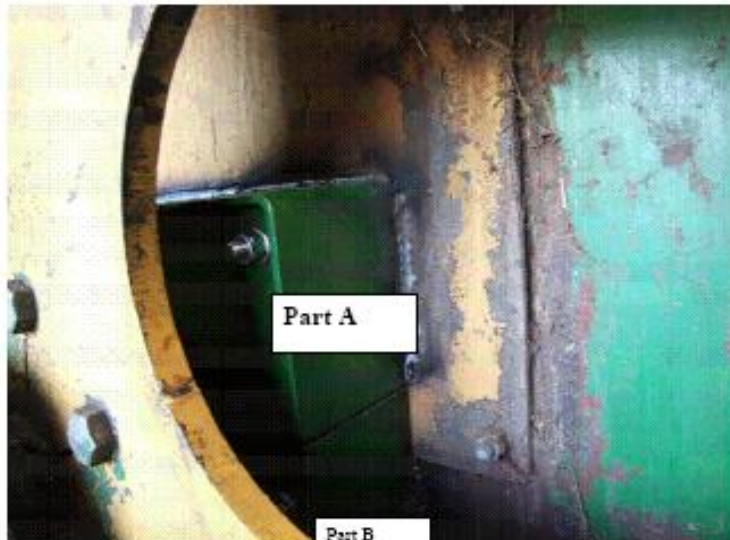


Photo 5 shows top of retainer welded into position on rotor window and assembly bolts tightened up

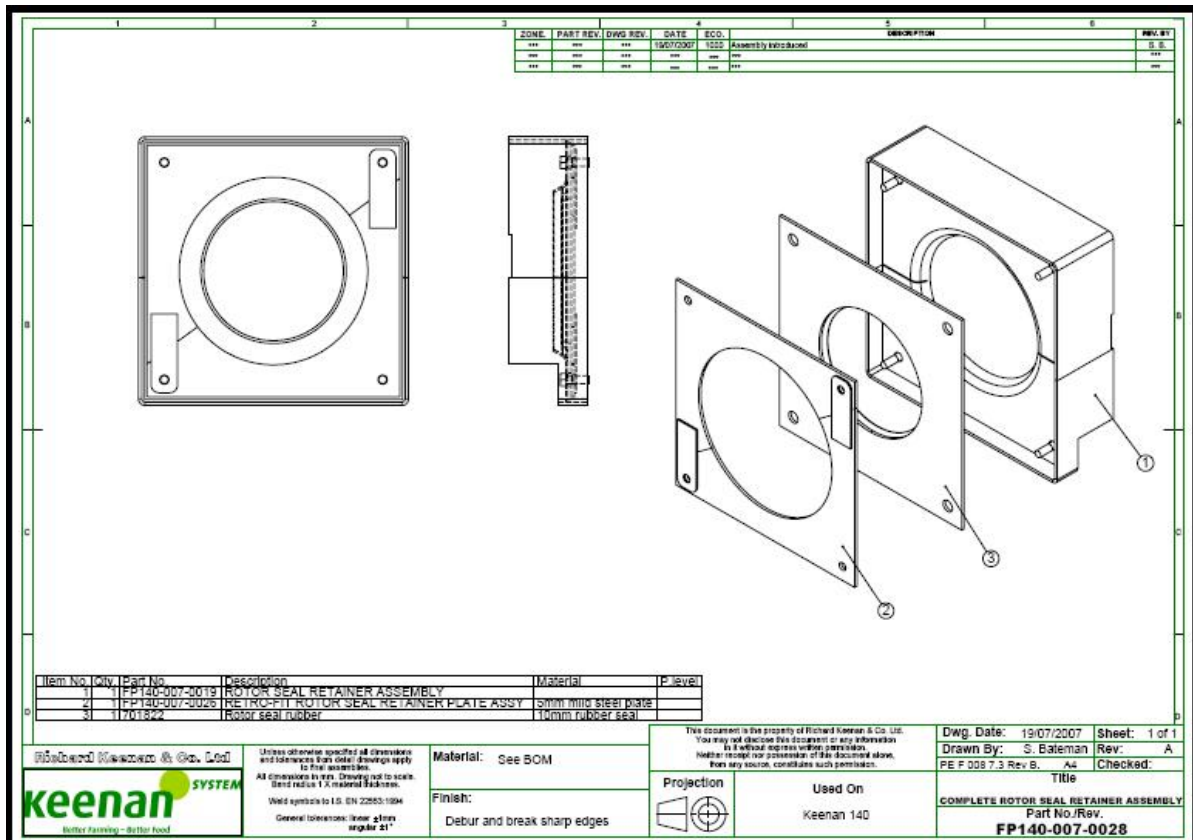


Fig. 2 showing exploded view of complete assembly FP140-007-0028

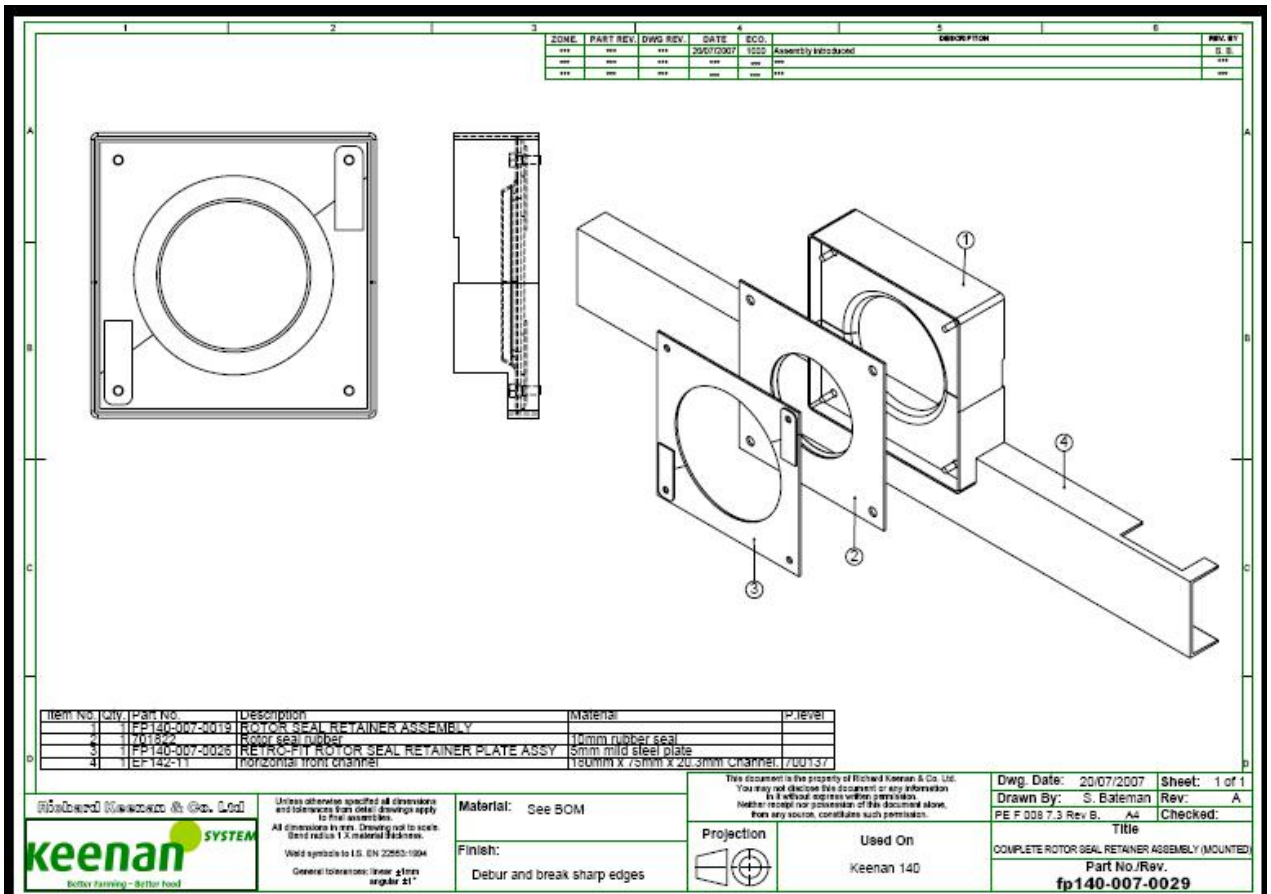


Fig. 3 Shows the mounting position for the assembly onto the front of the machine