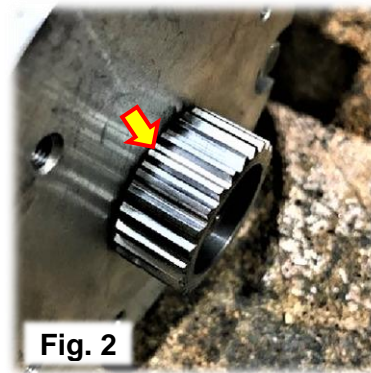
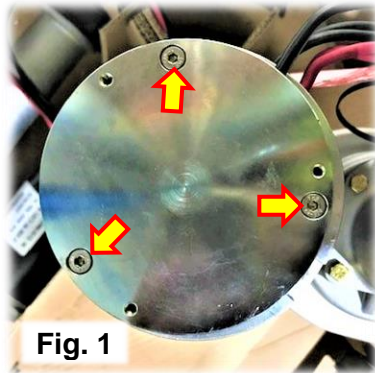


## BRAKE PACK REPLACEMENT

1

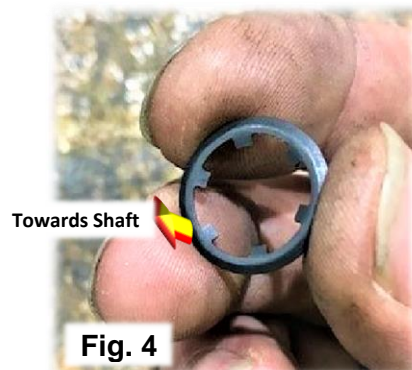
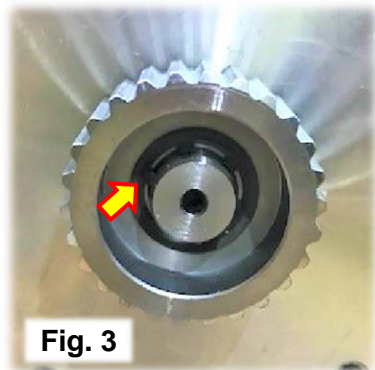
- 1) Remove the old brake pack from the motor by removing the three T25 torx cap head retaining screws. Inspect the gear on the end of the motor shaft for wear or damage, there is no need to replace this gear if it is in good condition. Ref. Fig. 1 & 2



2

- 2) Ensure that there is a Starloc washer on the shaft securing the gear in place. If the Starloc washer is missing, the gear can work its way off the shaft and rub against the brake pack creating a grinding, squealing sound. Ref. Fig. 3 & 4

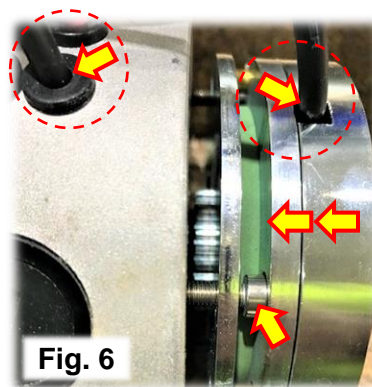
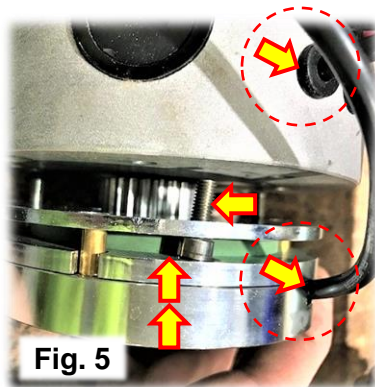
**CAUTION:** If inserting a new Starloc washer, ensure that the dished side goes onto the shaft. Putting the Starloc washer on the wrong way may cause damage to the Starloc washer.



## BRAKE PACK REPLACEMENT

3

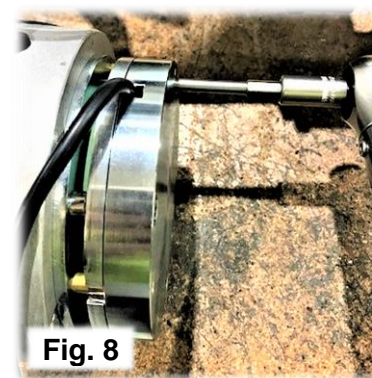
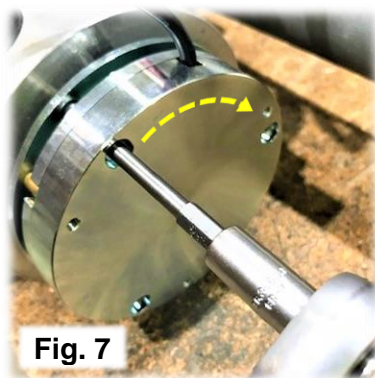
- 3) Place the brake pack onto the motor, over the gear keeping the brake cable in line with the motor cables. Start to screw in the T25 torx retaining screws with a bit or key. Ref. Fig. 5 & 6



4

- 4) Starting at one retaining screw, tighten by hand until bolt is gently hand tight, then in a clockwise direction, move to the next screw and repeat until all three screws are hand tight. Ref. Fig. 7
- 5) Once all screws are hand tightened, go back to the first screw and tighten to 8Nm. Tighten the other two screws in the same manner as above. Ref. Fig. 8

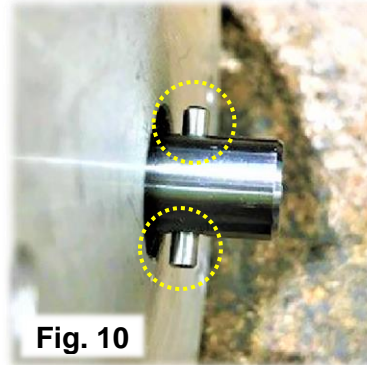
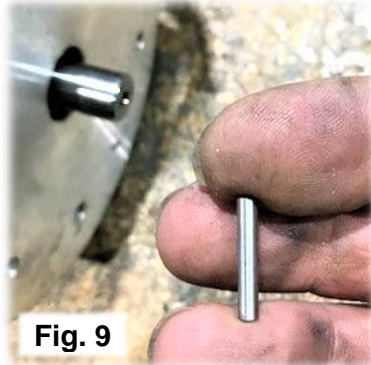
**CAUTION:** Be careful not to overtighten the retaining screws since this could cause damage to the screws, or strip the threads out of the motor casting.



## BRAKE PACK REPLACEMENT

5

- 6) If installing a new gear, install the metal dowel through the cross hole of the motor brake shaft. Position it so there is an equal amount of dowel at either side of the shaft. Ref. Fig. 9 & 10



6

- 7) The gear has a keyway on one side, slide the gear onto the shaft so that the dowel is positioned in the keyway. Install a Starloc washer over the shaft to secure the gear in position. Ref. Fig. 11, 12 & 13

**CAUTION:** If inserting a new Starloc washer, ensure that the dished side goes towards/onto the shaft. Putting the Starloc washer on the wrong way may cause damage to the Starloc washer.

