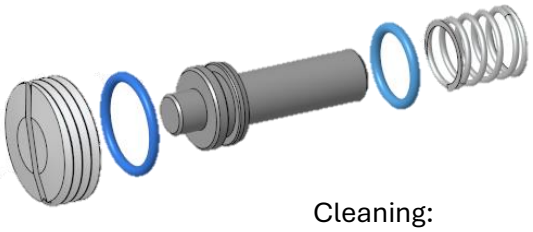
34-5A40 Lock Pin Repair Kit for EFC 34-1A00 Turbine

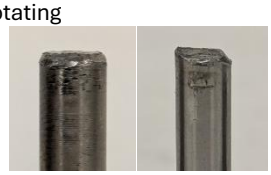


Common failures:

- Paint Clogging

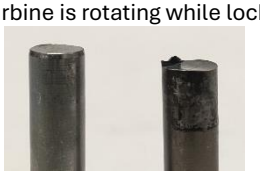
Paint clogged between shaft and bushing

- Locking Pin engaged before turbine shaft has stopped rotating



Tip of pin deformed from high-speed impact

- Turbine is rotating while locking pin is engaged



Left Pin is shorter due to constant rubbing on turbine shaft

Disassembly:

- Remove flathead screw using a 5mm (3/16") – 8mm (5/16") Flathead screwdriver, fig.1

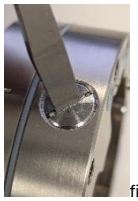


fig.1

- Remove the screw cap O-ring using tweezers or an O-ring pick, fig.2

fig.2

- Carefully pull out the defective pin using needle nose pliers. If the pin is seized in the bushing, remove the bottom of the turbine and use a small pin punch to slowly drive out the defective pin, fig.3

fig.3

- Inspect the bushing for any gouges/marks/dents, etc.
- Remove spring from cavity

Cleaning:

- Using solvent and a soft bristled brush, clean any dirt/debris/paint, etc. from the locking pin cavity.
- Blow out the cavity with compressed air.

Assembly:

- Lubricate the 5.6MM O-ring, 5610CR and 7.3MM O-ring, 7310CR using EFC supplied Vaseline®, fig.4
- Install 5610CR onto the groove in the locking pin as shown. Do not over stretch the O-ring, fig.4
- Lightly lubricate the longer end of 34-1A00X locking pin using EFC supplied Vaseline®, fig4

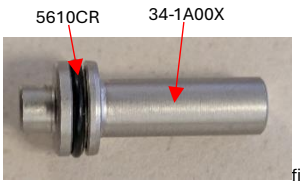


fig.4

- Install the supplied spring, 34-1A00Z into the locking pin cavity, fig.5

fig.5

- Install 34-1A00X with lubricated O-ring into the locking pin cavity. Ensure the pin moves freely through the bushing, fig.6

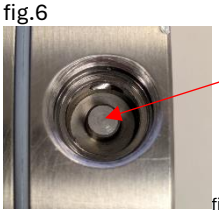


fig.6

- Install 7310CR onto the shoulder in the locking pin cavity as shown. This O-ring lays flat on the shoulder of the cavity. Be careful to center the O-ring in the cavity to prevent it from pinching in the cap threads, fig.7, fig.8. fig.9, fig.10

fig.10

- Tighten the cap 34-1A00Y to 15-20 in/lbs
- Clean any excess lubricant