

Features & Benefits:

- **Unique patented design**
- **Larger channels for greater oil flow**
- **Reduced chance of blockage**
- **Improved sealing characteristics**



Part No.

96855-02K

1 Pump Shaft

U.S. Patent No. 7,114,331

Also Available:

Part No.

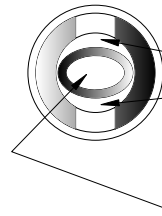
96803

Channel Plate Repair Sleeve

Part No.

96855-01K

Pump Bearing with Integral Seal



Sonnax patented design increases oil flow through the TCC release circuit (outer channel) with no reduction of flow through the turbine return circuit (inner channel)

PART SUMMARY

The unique patented design of the Sonnax shaft **96855-02K** provides larger channels for greater oil flow to the TCC release circuit. The larger channels also reduce the chance of blockage caused by lodged debris common to the OEM shaft. Additionally, the seal groove design improves the sealing characteristics of the OEM seals and reduce the chance of the groove lands contacting and galling the mating bores.

INSTRUCTIONS:

1. Remove the original pump shaft.
2. Inspect for damage to the bore of the valve body, the bore of the turbine shaft and the bore of the chain cover. Replace the valve body and turbine shaft if galled or otherwise damaged. If required, boring and re-sleeving with the Sonnax chain cover sleeve **96803** can repair the chain cover bore.
3. When replacing the pump shaft it is recommended the original pump shaft bearing in the pump body also be replaced (Sonnax bearing **96855-01K**).