

COMPLAINT

SECONDARY COMPLAINTS

Pump leaks, bushing spins in housing

- Delayed engagements due to drainback • Loss of pump core

CAUSE

Excessive bushing and shaft clearance caused by normal wear.

CORRECTION

The Sonnax bushing allows salvage of the pump by oversizing the housing bore for installation of a new, tightly toleranced bushing.

Pump Bushings

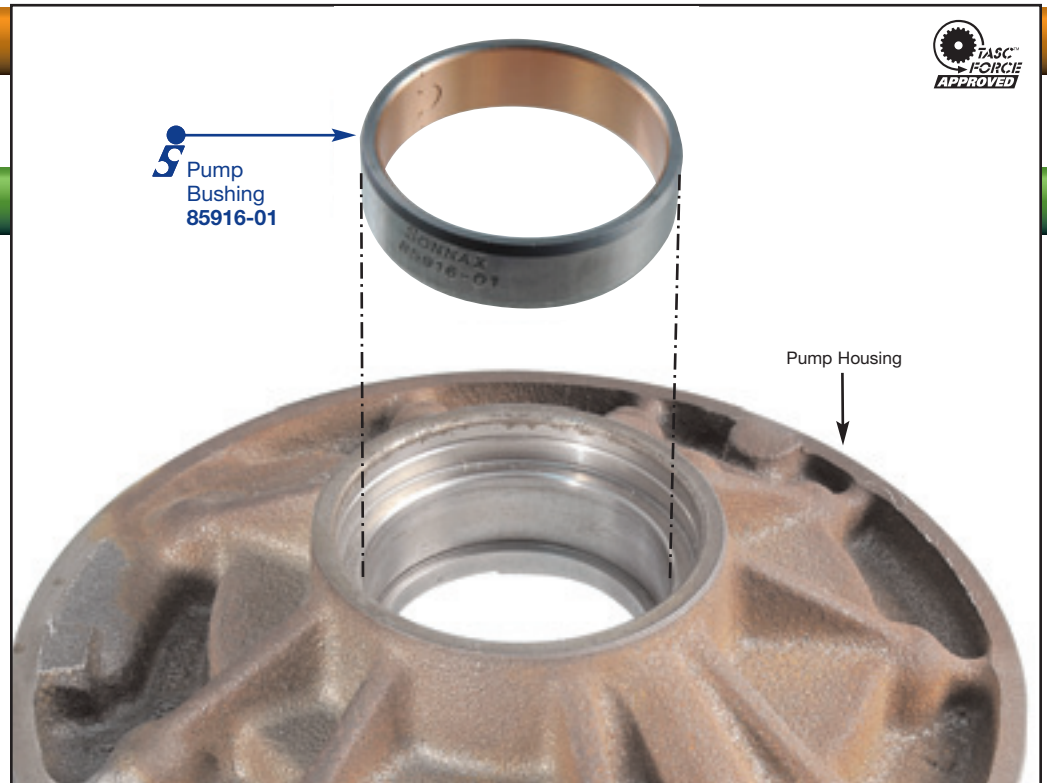
85916-01

1 Oversized Precision Pump Bushing



85916-01U

1 Oversized Finish-in-Place Pump Bushing



Sonnax Part Summary

Normal operation of the ZF5HP19 transmission causes wear that leads to excessive bushing and shaft clearance. The Sonnax precision pump bushings **85916-01** and **85916-01U** contain one pump bushing each to allow rebuilders to salvage pumps with damaged bushing bores.

Features & Benefits

- These oversized precision bushings allow rebuilders to salvage costly pumps with damaged bushing bores.
- Oversized finish-in-place bushing allows rebuilder to salvage pumps with damaged bushing bores, and set clearance with converter hub.
- Tightly toleranced, bi-metal.

Note: Bushings are oversized precision bushings for damaged pump housings. The pump-housing-bushing-bore ID will require machining. This ID will have to be machined to $\text{Ø}1.9992'' \pm .0005''$ ($\text{Ø}50.780\text{mm} \pm 0.013\text{mm}$).