

## Heavy Duty Input Shaft

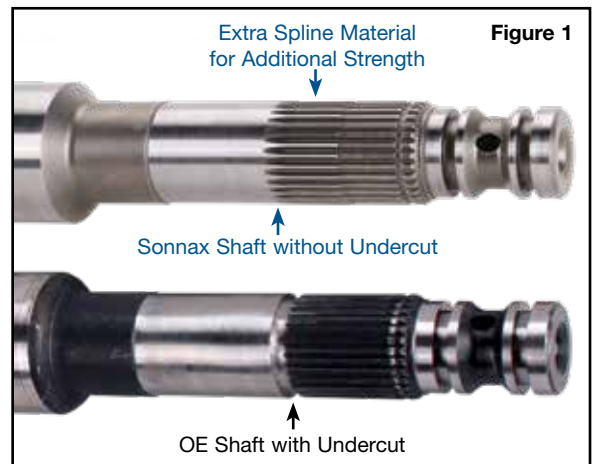
Part No.  
**34670-01**

NOTE: OE part number 24222184

## GM 4L80-E, 4L85-E



**NOTE:** Eliminating the undercut between splines and step that seats against the overdrive carrier makes the Sonnax shaft considerably stronger in this area that commonly fails (**Figure 1**).



#### Installation

a. When Sonnax heavy duty input shaft is initially installed in the overdrive carrier, it is possible that the retaining ring groove on the shaft will not protrude far enough to allow retaining ring installation (**Figure 2**). As a consequence, Sonnax heavy duty input shaft may need to be fitted to the overdrive carrier.

b. Begin the fitting process by installing Sonnax heavy duty input shaft into the overdrive carrier. Lightly press (or carefully tap with soft faced hammer) the shaft into the overdrive carrier while checking the position of the retaining ring groove. In some cases it may be necessary to use a round file and slightly file the front of the inner splines of the overdrive carrier (**Figure 3**).

