Distributor
Data Sheet

AW 450-43LE

PART NUMBER **94987-01K**

COMPLAINT

Engine stalls when put in gear

SECONDARY COMPLAINTS

• Converter apply complaints • Broken sleeve creates debris

CAUSE

The cast-aluminum sleeve breaks at the retaining pin area due to sleeve porosity and the retainer cocking in the bore and exerting excessive force on the thinnest part of the sleeve.

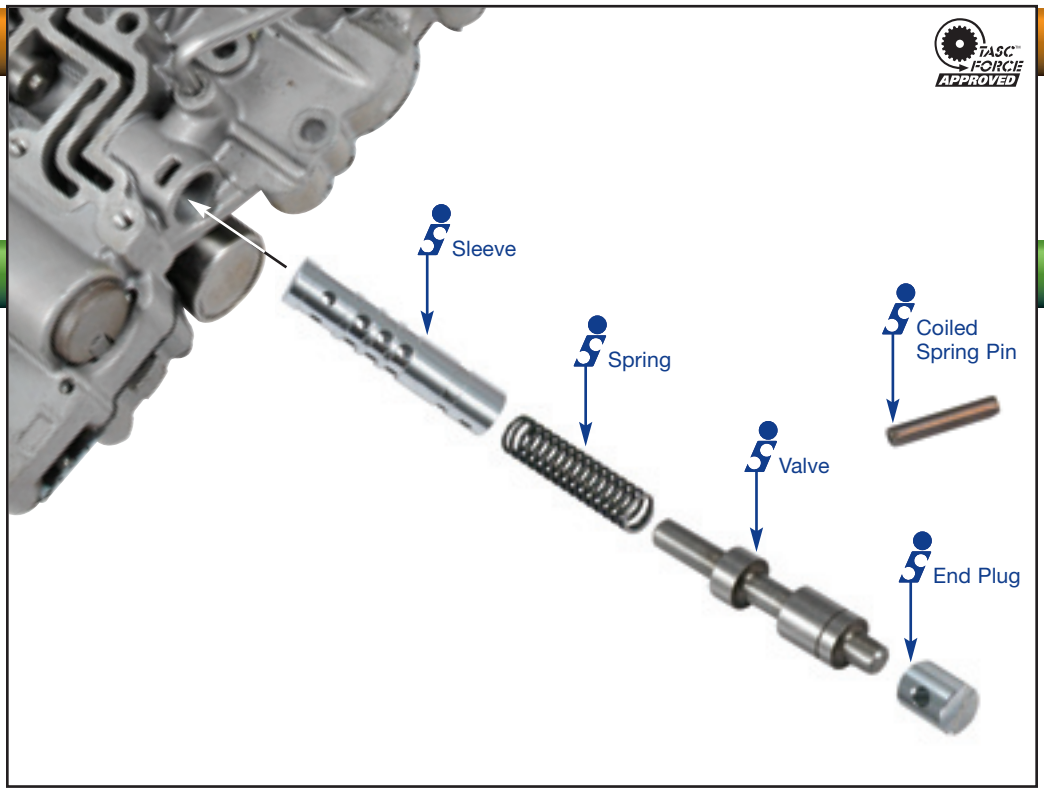
CORRECTION

The billet aluminum sleeve provides higher tensile strength and reduced porosity to resist breakage. The redesigned retainer and end plug provide better holding capacity.

Cutback Valve & Sleeve Assembly

94987-01K

1 Sleeve
1 Valve
1 End Plug
1 Coiled Spring Pin
1 Spring



Sonnax Part Summary

The cast-aluminum cutback valve sleeve breaks at the retaining pin area due to sleeve porosity and the retainer cocking in the bore and exerting excessive force on the thinnest part of the sleeve. This allows the valve and sleeve to move out of position and can create engine stalls when in gear. It also allows the lockup control valve to move out of position, which can create converter apply issues. Broken pieces of the sleeve can end up in the pan, break into smaller pieces and clog filters or lodge in moving components.

The Sonnax billet aluminum cutback sleeve provides higher tensile strength and reduced porosity to resist breakage. The redesigned retainer and end plug provide better holding capacity, and prevent the retainer from cocking in the bore.

Features & Benefits

- Billet aluminum sleeve provides higher tensile strength and reduced porosity to prevent breakage.
- Redesigned sleeve, end plug and retainer provide better holding capacity and eliminate stress points that lead to breakage.
- Improved valve and sleeve materials prevent wear and provide better sealing capacity through temperature changes.
- A replacement spring has also been provided, to make this a drop-in-place assembly.

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