

COMPLAINT

SECONDARY COMPLAINTS

Cooler check valve spring breakage

- No cooler flow • Cooler drainback • Delayed engagements • Burned transmission components

CAUSE

Improper spring and control of spring alignment.

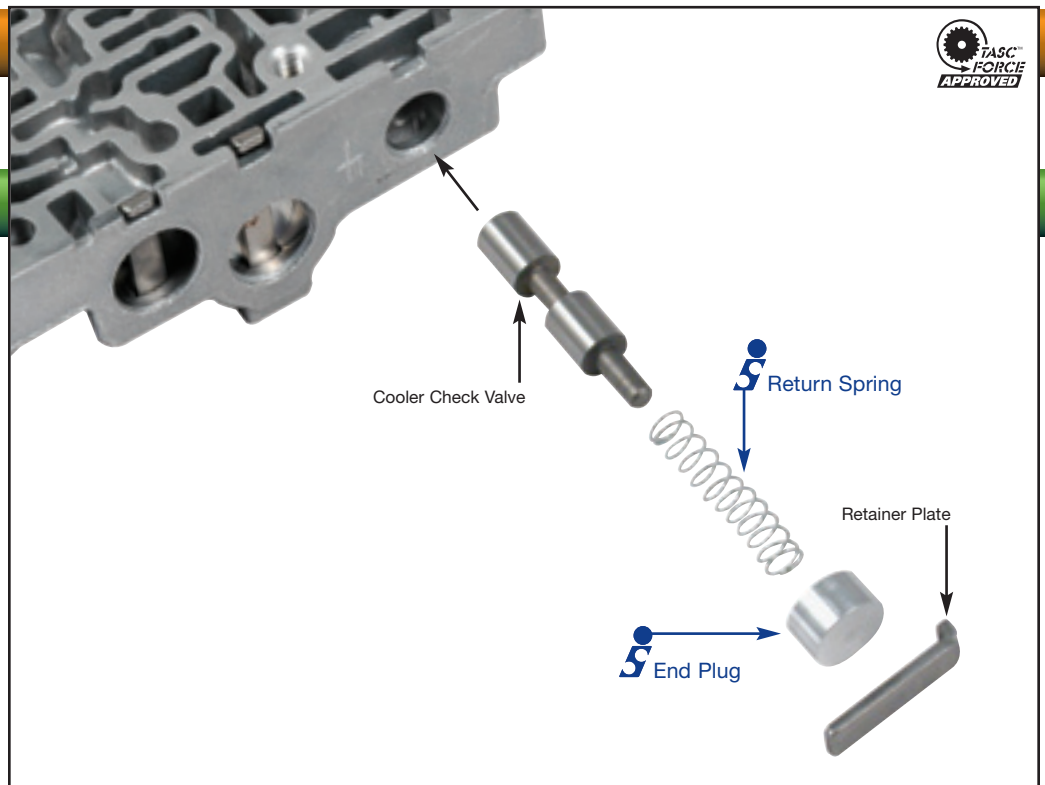
CORRECTION

The Sonnax end plug with a centering nub keeps the redesigned spring centered.

Cooler Check Valve Spring & Plug

63940-07K

- 1 Spring
- 1 End Plug



Sonnax Part Summary

The OEM cooler check valve spring does not remain centered on the end plug. When the valve strokes, the valve stem can contact the spring and pinch the end coils against the end plug, breaking them off. This will prevent proper function of the cooler check valve, and lead to reduced cooler flow or drainback conditions. Additionally, the broken spring parts can migrate through the rest of the valve body, potentially lodging in other valves. Sonnax has developed a new kit with a modified end plug and spring. The new end plug has a nub at the inboard end, allowing the spring to stay properly centered on both ends. The modified spring works with the new end plug to re-establish the OEM operating forces.

Features & Benefits

- Modified end plug self-centers the spring.
- Modified spring re-establishes correct operating pressures.
- Drop-in-place solution salvages the valve body.