



Technical Service Bulletin

January 24, 2025

**SUBJECT: Oil Filter Cap
(2014 – 2024) Chrysler / Jeep vehicles
equipped with Pentastar V6 3.6L engine
Service Champ Filter Part Number CF6296**

Important Service Update: Housing CAP Defect (more common in cold weather conditions)

This is a **follow up** communication that has been published to inform customers of an oil flow blockage caused by a **defective or broken oil filter cap**.

Background:

Feedback from the field that the installed oil filter has blocked engine oil flow and caused engine damage. In all cases, the blockage was not caused by the oil filter, but **rather by the oil filter cap by-pass valve located inside the housing cap coming loose**.

Issue:

The oil by-pass valve is located in the oil filter cap (see figure 1). If the locking tabs holding the by-pass valve in place break, or disengage from the by-pass valve spring, the valve is free to come apart and could become lodged in the tube (see figure 2). This can create an oil flow blockage/restriction and could result in engine damage.



Figure 1

Cap with valve
in place

Cap with valve missing



Figure 2

Oil by-pass valve wedged in oil filter

- Previous Automotive Aftermarket Industry Periodicals have documented that when removing the oil filter from the cap, the technician needs to pull the housing cap straight from the filter.
- The Technician should **not rock the filter back and forth to release the cap** as damage can be caused to the housing cap bypass valve. In these cases the cap would need to be replaced.
- When the Technician uninstalls the filter from the housing cap in this harsh manner, the bypass valve can come apart

This is not a defective oil filter. It is a malfunction or breakage of the oil filter cap. Carefully inspect the cap before installing a new oil filter. If the by-pass valve is missing, broken or damaged, replace the cap.

The OE replacement cap from Service Champ is **6296CAP**.

Please contact your salesperson with any questions or concerns you might have.

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