

# RYCO

## TECHNICAL BULLETIN

## R2664P CENTRE SLEEVE SPIGOT



### **HAVE YOU KEPT THE CARTRIDGE FILTER CENTRE SLEEVE?**

#### **CAN AFFECT**

Cartridge-style oil filter elements commonly fitted to a number of Toyota and Lexus vehicles where the OEM centre sleeve is incorporated into the oil filter cap, but can dislodge during routine service, and accidentally be thrown away.

#### **AFFECTED PART**

**RYCO R2664P**



#### **AFFECTED APPLICATIONS:**

LEXUS IS250, IS350, GS300 GS450H; TOYOTA RAV4



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## WHAT TO LOOK FOR:

- Missing the OEM perforated centre sleeve when installing a new filter cartridge
  - The centre Sleeve is also known as oil filter support tube, core, or spigot
- The sleeve attaches/locates in a groove at the bottom of the oil filter cap (Refer Image: No.01)
- The sleeve can be dislodged during removal of the existing filter – with it remaining captive in the old cartridge filter, and easily thrown away. (Refer Image: No.02)

## OUTCOME:

- Failure to re-install the OEM perforated centre sleeve commonly results in twisting of the new cartridge element, potentially crushing the filter during operation. (Refer Images: No.03 & No.04)
- Distorting the filter adversely effects the flow properties of the filter.
- If the filter is to collapse, engine oil could flow unfiltered into the engine. (Refer Image: No.05)
- Allowing unfiltered oil to circulate through an engine can cause significant engine damage and /or possible failure.

## RECOMMENDED PROCEDURE:

- Workshops have been known to accidentally discard the perforated sleeve when discarding the old filter
- Be aware that cartridge filters often utilize a centre sleeve, a component of the oil cap housing.
- Always check the old filter before discarding, and ensure the centre sleeve has not dislodged and become stuck in the old filter.
- When replacing either R2620P, R2648P, R2651P or R2664P, ensure the perforated core/sleeve remains correctly located inside the filter cap. (Refer Images: No.06, 07 & 08)
- Perforated centre sleeves are not available as a separate part. A complete, new replacement filter housing must be purchased from the OEM



Image: No.01



Image: No.02



Image: No.03



Image: No.04



Image: No.05



Image: No.06



Image: No.07



Image: No.08

