

## STAR ONLINE PUBLICATION

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**Case Number:** S1809000007 Rev A

**Release Date:** 03/31/2021

**Symptom/Vehicle Issue:** Customer complaint may include engine oil leak/consumption.

**Discussion:** If, after inspection, there is any puddling of engine oil found in the engine valley area (top of engine, under intake), check for leakage around the Oil Filter Adapter/Cooler (OFA). If the OFA (Fig 1) is suspected as the source of the oil leakage, perform the procedure below before replacing the OFA.



Fig 1. Oil Filter Adapter/Cooler (OFA)

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

**Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found**

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**Procedure:** Following published service procedures, remove the OFA. Remove excess engine oil from the engine valley area using absorbant rags or towels as necessary. **NOTE:** Do not clean or de-grease the engine at this time because some solvents may cause rubber to swell, temporarily stopping the leak.

Install new seals on the OFA and reinstall following published service procedures.



OFA Seals

**ADD ENGINE OIL LEAK DETECTION DYE TO CRANKCASE** (such as Mopar 4-IN-1 LEAK DETECTION DYE P/N: 05010042AC).

Check engine oil and adjust level as necessary.

Start and run engine for 15 minutes.

Check the area of suspected leakage with a black light to check for traces of dye. If no dye is found, it's likely one of the OFA seals was the leak source. No further repair should be necessary.

If dye is found, proceed with normal engine oil leak diagnosis and repair as necessary.

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