

# RANS

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**Airworthiness Directive:** 140

**Date:** December 2, 2021

**Subject:** Hour meter oil pressure switch leak

**Compliance:** Mandatory

**Models Affected:** All RANS aircraft with ROTAX 912 series engines equipped with an oil pressure switch for hour meter

It has been brought to our attention that failures have occurred in the internal seal of the Oil Pressure Switch (RANS P/N KSES0004). This has caused premature loss of oil resulting in engine failure. Due to possible sudden failure of the Oil Pressure Switch the Hour Meter Relay and 1/8" Pipe Plug should be installed before next flight.

Please follow the instructions provided to ensure your safety in this matter.

## **Compliance:**

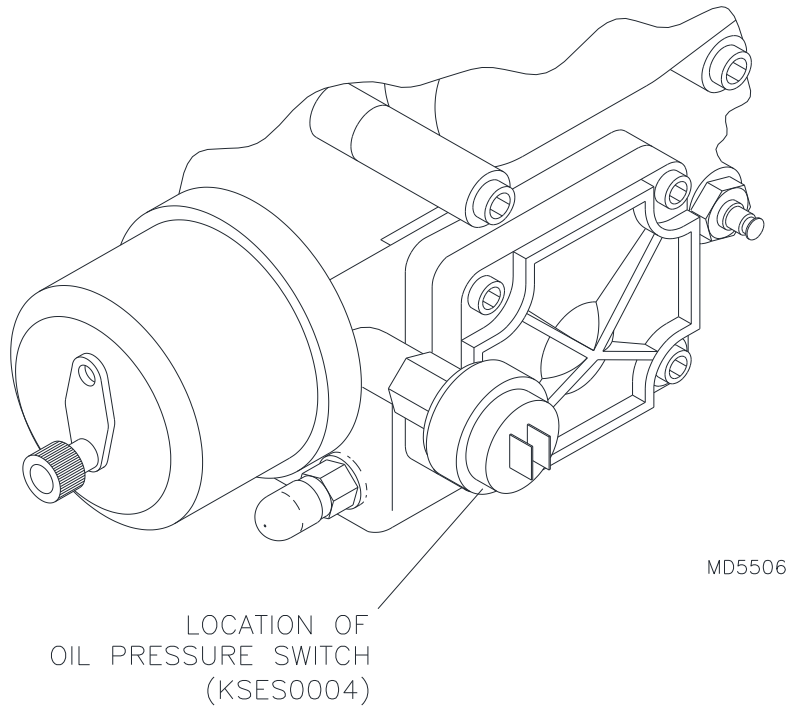
If the aircraft is equipped with Oil Pressure Switch (RANS P/N KSES0004), remove the aircraft from service until it is possible to replace the Oil Pressure Switch with an 1/8" pipe plug and install Hour Meter Relay Assembly.

## **Parts Required:**

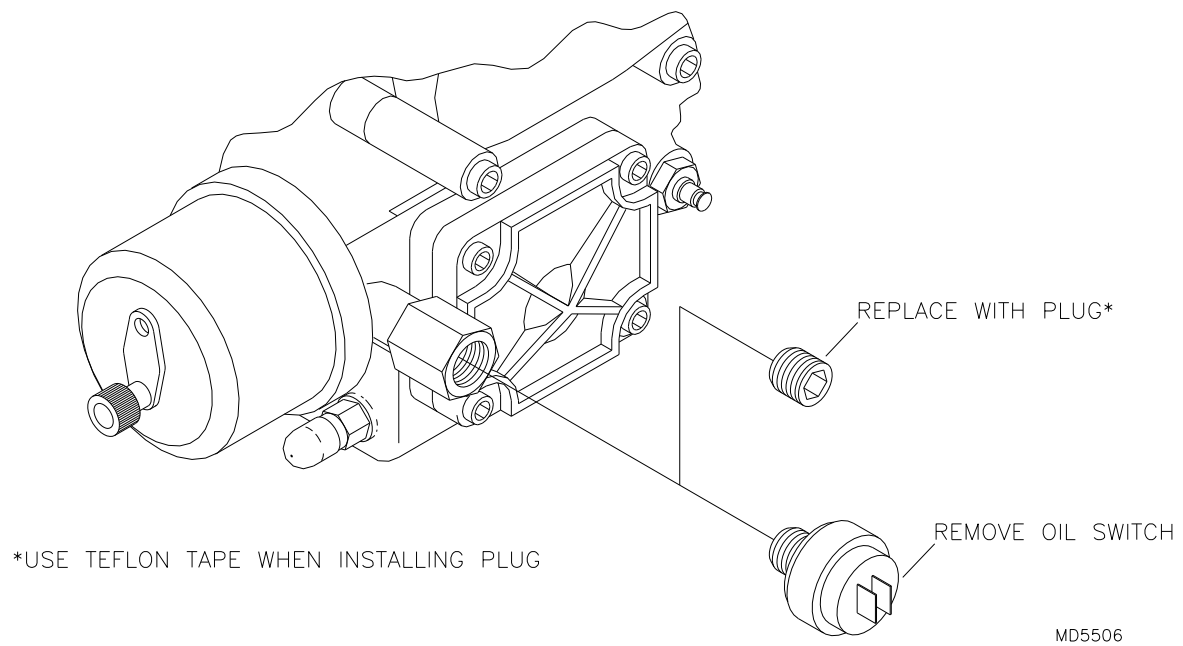
1/8" pipe plug (RANS P/N PIPE-PLUG 1/8)  
Hour Meter Relay Assembly (RANS P/N KAES0016).

Contact RANS Parts Department for Hour Meter Relay Assembly and 1/8" Pipe Plug.

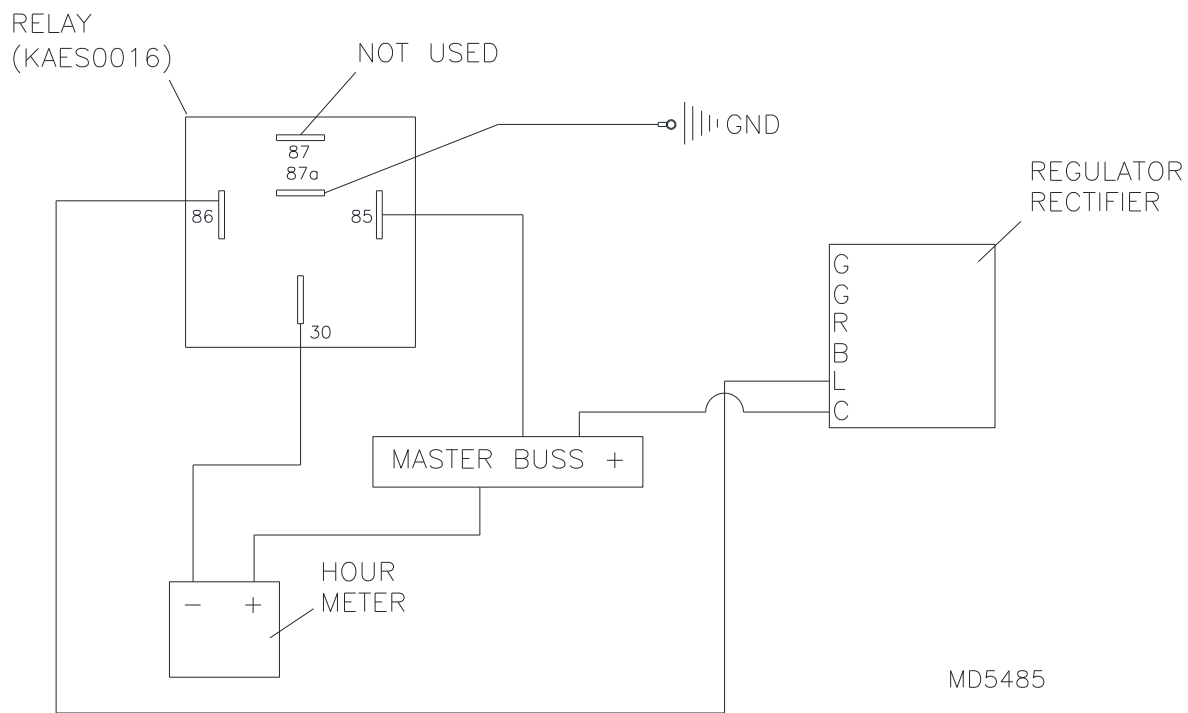
**Oil Pressure Switch Location:**



**Oil Pressure Switch Removal:**



**Relay Installation Diagram:**



**RANS 912 ENGINE  
HOUR METER RELAY ASSEMBLY**

Thank you for your attention to this matter. Hopefully, we have not inconvenienced you to any great degree.

Fly safe.