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# SERVICE INFORMATION

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## IMPORTANT INFORMATION

### 912/914 OIL PRESSURE GAUGE AND SENDING UNITS

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(A) **INTRODUCTION**

*THIS INFORMATION IS INTENDED TO ASSIST THE AIRCRAFT DESIGNER, MANUFACTURER AND BUILDER TO ACHIEVE CORRECT OPERATING CONDITIONS AND ASSEMBLY FOR THE ENGINE AND CONSEQUENTLY OPTIMUM PERFORMANCE AND RELIABILITY.*

(B) **TECHNICAL DATA AND GENERAL INFORMATION**

*IN ADDITION TO THESE INSTALLATION INSTRUCTIONS PLEASE REFER TO:*

- OPERATORS MANUAL*
- ENGINE DATA SHEET*
- POWER, TORQUE AND FUEL CONSUMPTION CURVES*
- SPARE PARTS LIST*
- ENGINE INSTALLATION CHECK LIST*

## **1. Introduction**

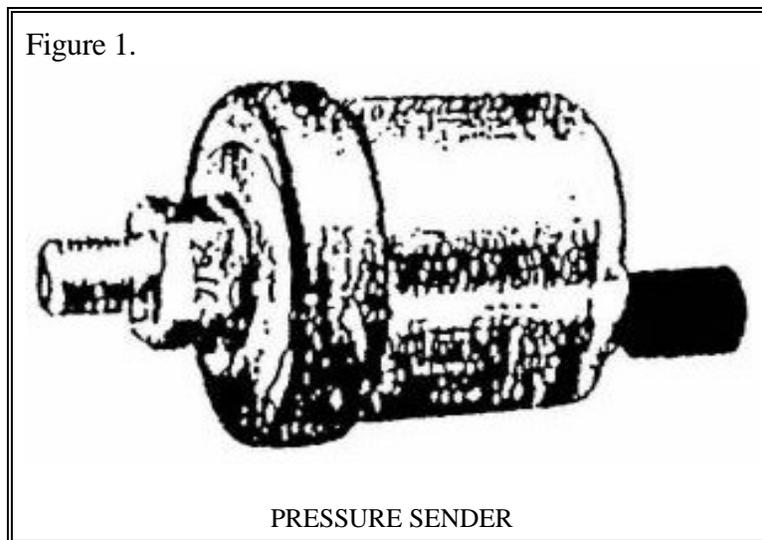
Field reports have indicated a potential problem with incorrectly matched oil pressure gauges and sending units. It is advised that all 912/914 users verify the type of oil pressure sending unit currently installed in their 912/914 ROTAX engine, and assure that it is matched to an appropriately calibrated gauge. The following details the two possible oil pressure sending units which may have been supplied with the 912/914 engines from the factory, and lists the correct corresponding gauge. Any deviation from this match could lead to incorrect oil pressure readings and engine damage.

## 2. VDO

VDO oil pressure sender part no. V360 003 (5 bar) is to be matched to VDO oil pressure gauge V350 040 (0 - 80 PSI).

VDO oil pressure sender part no. V360 004 (10 bar) is to be matched to VDO oil pressure gauge V350 041 (0 - 150 PSI).

The quickest way to identify whether or not your engine has the correct pressure gauge and corresponding sending unit is to visually verify the 0 - 5 bar or 0 - 10 bar stamped on the sending unit hex nut (see Figure 1) and assure such is matched to its corresponding 0 - 80 PSI or 0 - 150 PSI VDO gauge.



**NOTE:** All engines are shipped with VDO oil pressure sending units designed to be used with the appropriate VDO oil pressure gauge. Any deviation is not recommended. ROTAX has now standardized the oil sending unit to VDO V360 004 (10 bar) to be matched to VDO oil pressure gauge V350 041 (0 - 150 PSI).

## 3. Warning:

If you do not understand a section of this information or if you are not otherwise able to carry out the requested checks or repair, please contact your nearest authorized Rotax aircraft engine distributor.

**DANGER!**

**FAILURE TO COMPLY WITH THIS RECOMMENDATION COULD RESULT IN  
ENGINE DAMAGE AND PERSONAL INJURY!**