

WIPACRE, INC.

OBSOLETE

SERVICE LETTER NO. 4

SUBJECT: Hydraulic System Pressure Relief Valve

MODEL: 3730 and 6000 Amphibious Floats

SERIAL NO AFFECTED/EFFECTIVITY: Model 3730 thru 37614, Model 6000 thru 60030

COMPLIANCE REQUIRED: At Owner's Discretion

BACKGROUND INFORMATION: Thermal hydraulic expansion may cause excessive pressure in the gear retraction cylinders. Corrective action consists of installing a pressure relief valve between the pressure and return lines near the hydraulic pump. This relief valve is preset to a pressure higher than the maximum normal operating pressure (500 to 1000 PSI) at approximately 1900 PSI. This will provide overpressure protection for the hydraulic system.

INSPECTOR: Inspect hydraulic retract cylinders on both nose and main gear for cracks and distortion at the ends of the cylinders where the end caps are attached to the cylinder with small screws. Any damage here is indicative of excessive hydraulic pressure. If damage is present, replace these components as necessary and proceed to install the pressure relief valve.

METHOD OF COMPLIANCE: Install hydraulic pressure relief valve as shown in Service Kit No 4.

PARTS REQUIRED: Service Kit No 4.

MAN HOURS REQUIRED: Approximately two man hours

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