

NEW ROTARY UNION UNIT

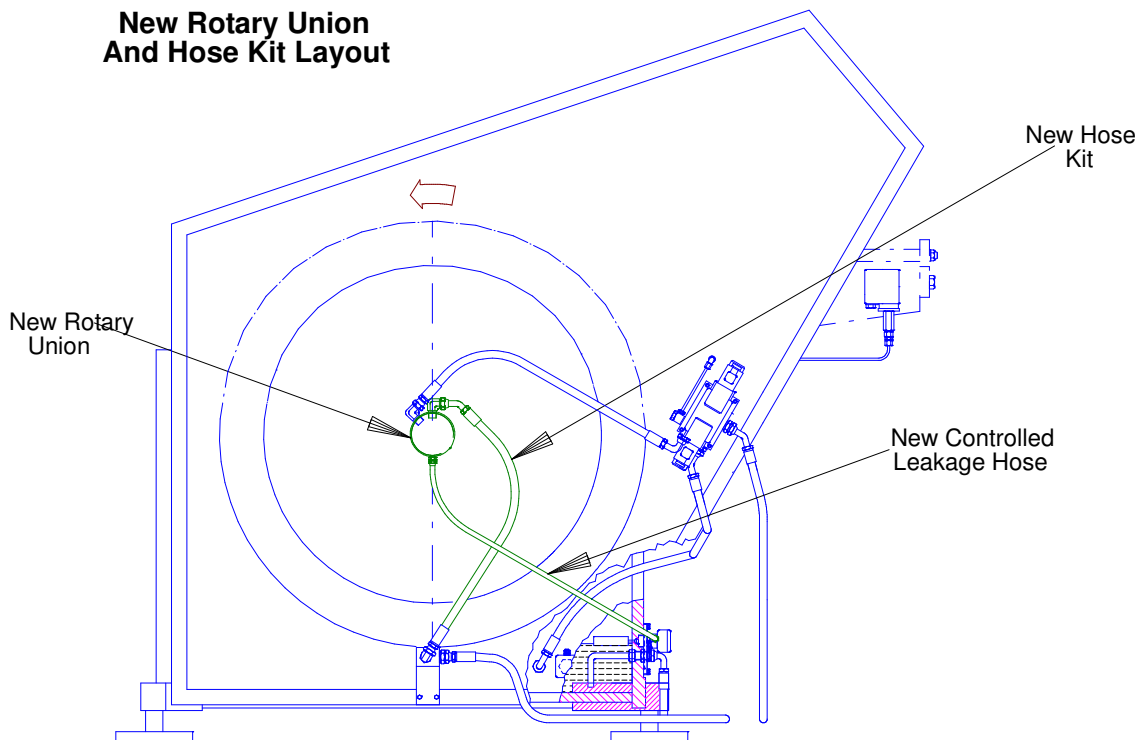
CATEGORY: Mandatory At Next Maintenance

SUMMARY: CarnaudMetalbox Engineering have introduced a new design for the rotary union on the end of the crankshaft, in order to make it much more robust in operation.

The union serves the hydraulic needs of the clutch and brake unit, and therefore its reliability is critical to the reliability of the machine. The newly developed union incorporates an upgraded internal design, a new hose kit and a controlled leakage system in order to drain

some of the non pressurised spare oil in the unit back into the crankcase.

This technical bulletin is applicable to all 5000 Bodymakers with the old style of rotary union, the development having been fitted as standard from serial number 112S. The information overleaf should also be noted to ensure the ordering of the correct repair kits for the two types of union.



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RETROFIT DETAILS

The new rotary union fixes directly onto the crankshaft. This makes one of the two gaskets and also the intermediate plate redundant, since these items are incorporated in the new union itself. The new design also boasts a more robust bearing layout. The bearings are spaced out further in the casing, ensuring that any lateral movement is kept to a minimum. As opposed to the previous unit, this design has no face seals, but a system of oil seals with a controlled oil leakage as to not affect the oil pressure. This has proved to be a very reliable system.

The two differing unions require two different repair kits in case of breakdown. The part numbers are listed below in the table in order to clear up any ordering errors:

Issue	Union Part Number	Repair Kit Number
Old Standard Rotary Union	23633316	23633365
New Standard Rotary Union	23633411	2010530B

The rotary union upgrade is available in the easy to fit form of a retrofit package that enables a fitting time of approximately four hours.

For further information about the new rotary union retrofit, please contact one of the references at CarnaudMetalbox Engineering detailed below, quoting technical bulletin number **TB5000-009**.

Note: A complete Library of Technical Bulletins is accessible on the Company Web Site.

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