 Part of Thermo Fisher Scientific		Technical Service Bulletin	
Product Line: General purpose Centrifuge	Bulletin Number: 1406-CEN-OHA-0557	Issue Date: 11/06/14 “DD/MM/YY”	Page Number: Page 1 of 2
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Title: New improved gas spring design for improved reliability

Subject Inform the field that a new gas spring has been designed to increase the reliability.

Description: Gas spring life on the General Purpose centrifuges can be variable, due to installation tolerances and uneven lifting pressure on lid. This could lead to uneven pressure on the gas spring, resulting in increase wear to one side of the o-ring and eventually loss of gas and pressure.

The new gas spring system includes a bracket with ball head joint. This allows for improved tolerances during installation and allows more movement with uneven pressure, therefore wear will be evenly loaded on the gas spring and the o-ring will be less susceptible to premature wearing, improving the reliability and life of the gas springs.

Exchange of the new gas spring has also been improved, as this is now threaded. Therefore it can be easily exchanged by removing the notch pin and screwing the gas spring out. Installation is simply in reverse order.

A good gas spring lifts the lid a few centimeters out of the latch system when the open lid button is depressed. The gas spring should hold the lid in any vertical position that it is lifted to. If a gas spring is unable to maintain the lifted position, it should be exchanged.

Models Affected: Models:

Heraeus: Multifuge: X3/X3R/X3F/X3FR
 Megafuge: 40/40R

Sorvall: Legend: XT/XTR/XF/XFR
 ST40/ST40R

ThermoSci: SL40/SL40R/SL40F/SL40FR

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For additional questions, please contact your local service group.

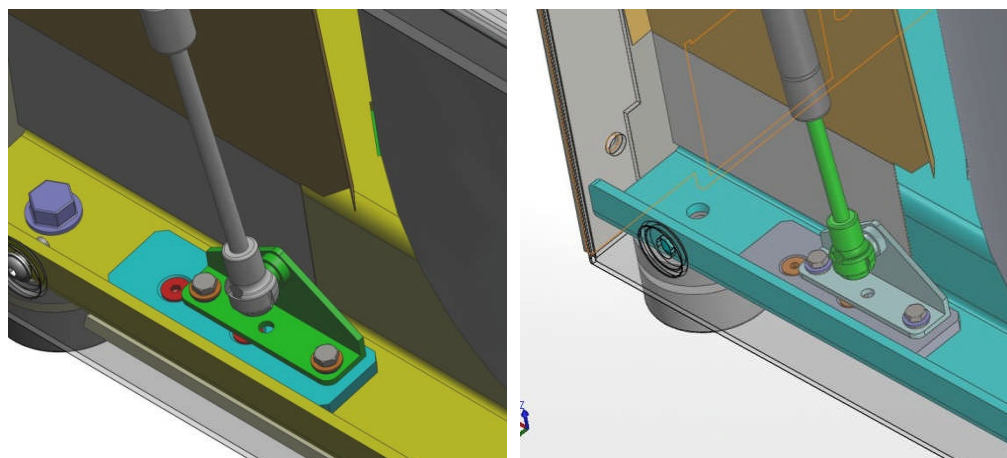
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Production Range: All GP3/GP4 centrifuges starting with serial number: 41653725 and higher have been produced with the new gas spring.

Resolution: Gas springs are available for the GP3/GP4 versions. New gas spring is available as a single part or a kit which makes it possible to install new gas spring to centrifuges with old gas spring. See list below.

Version:	Change OLD to NEW:	Replace NEW with NEW
GP3/GP4 centrifuges	70900139	50144266

The kits includes the gas spring, metal sheet with ball head, screws and the adapter (for ventilated or refrigerated version) to install the new system on an old GP3/GP4 centrifuge.



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