

BELVAC PRODUCTION MACHINERY

# TECHNICAL BULLETIN

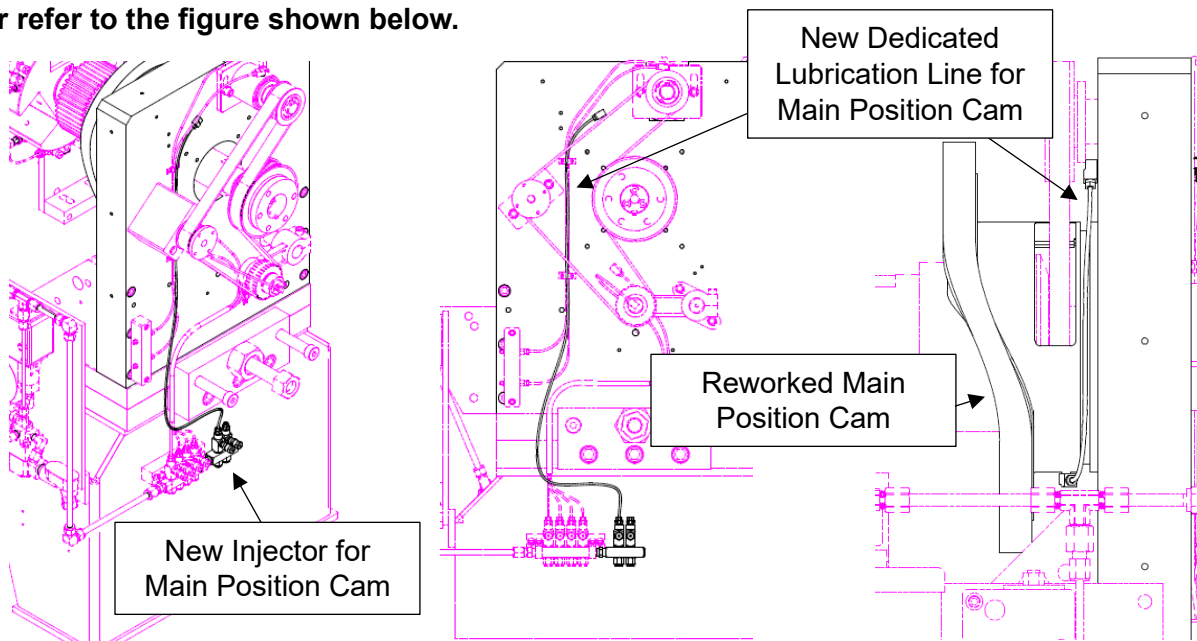
## Main Position Cam Auto Lubrication Upgrade CC93 TRIMMER

The Main Position Cam Lubrication Upgrade directly replaces the previous Auto Lubrication System in the following Trimming machines: CC93 CL and RML style (QC and non-QC). This upgrade ensures the Main Position Cam and Cam Followers do not experience insufficient lubrication. This upgrade changes how lubrication is delivered to the Main Position's Cam Track by using a dedicated injector to improve the reliability of lubricant delivery. In previous designs, a single injector supplied lubrication to both the Main Shaft Bearing and Main Position Cam Track.

This upgrade requires customers to order both a modification kit (**7723741**) and a fixture kit (**7723756**). Customers must order a single modification kit for each Trimmer they plan to upgrade. A single fixture kit can be reused for multiple machine upgrades.

The fixture provided in the (**7723756**) kit will mount onto existing features on the machines, helping simplify the process significantly. Light disassembly will be required, which includes removing the Spindles, the Spindle Drive Belt and the clamps that hold the Main Position Cam in place. However, the main shaft will NOT need to be removed to perform this upgrade. The fixture kit also includes a #3 drill bit and a 1/4-28 tap.

**Customers may refer to 7723741 drawing upon request for clarity on the upgrade details or refer to the figure shown below.**



**CC93 Trimmer**

The modification kit (**7723741**) includes a new two-up injector bank, a nipple adapter, three Lincoln elbow fittings, and the required tubing. The plug currently installed on the Trimmer's four-up injector bank will be relocated to the newly installed two-up injector bank. An injector plug will be included to seal the unused injector in the new two-up injector bank. The customer's existing cam will be reworked to accommodate the new lubrication path. A plastic plug supplied from the modification kit will block the original lubrication path originating from the main shaft bearing.

All CC93 spindle drive cams will now have a new part number due to the lubrication upgrade.

QC Machines: **12523-CC93** will be replaced by **7723767**

Non-QC Machines: **12423-CC93** will be replaced by **7723768**

Starting Q3 of 2025, Belvac will only supply the latest cam designs (**7723767** and **7723768**). These cams are configured for the latest lubrication system which includes dedicated injectors for the main shaft bearing as well as the main position cam. **Please reference Technical Bulletin 201 for more information regarding the Cam Design Configuration for the Lubrication Unit.**

**For more information, please contact Belvac's Service department.**