



MAINTENANCE TIPS

FAR HYDRO-PNEUMATIC INSTALLATION TOOLS

TA-KJ45 & TA-KJ45/S NUT INSERT TOOL

Here are some handy weekly maintenance tips to help with the investment you have made in your tooling, to ensure its best operating life and minimise valuable down time.

- ◆ **Nose Assembly.** Check and tighten if necessary, the Nose Assembly of the tool to ensure the HEAD (Anvil) is correctly positioned and that the ring nut is tight. The Tie Rod (Mandrel) should show one full thread past the end of the insert once it is placed on the tool ready for installation.
- ◆ **TIP:** It is always a good idea to check the stroke setting of the tool by installing an insert into a test plate before proceeding after changing mandrel size and after topping up or re-priming tool.
- ◆ **Clean Thread on Tie Rod (Mandrel).** Inspect the thread on the Mandrel and replace if showing signs of wear.
- ◆ **Lube Pneumatics.** Add a few drops of air oil to the air fitting to lubricate the internal pneumatic workings of the tool. This will also help prevent formation of corrosion from moisture that is known to build in compressed air lines.
- ◆ **Hydraulic Oil Circuit Bleeding.** (Recommended to be performed monthly)
A regular check of the hydraulic oil circuit level is necessary. Before any topping up of oil, increase the stroke adjustment to maximum capacity. Ensure the tool is in the vertical position and remove the bleed plug with a 4mm allen key. If the oil is dirty in appearance it will require replacing. Invert tool to drain the oil (dispose of oil safely). If oil is low, screw priming bottle securely into place (note: only use hydraulic oil with a viscosity of 32 in the tool's oil priming bottle). Connect an air supply (6.0bar to 6.5bar or 87psi to 95psi) to the tool and cycle the tool about twelve times to bleed out any air voids, holding the trigger and waiting for 5 seconds and releasing the trigger and waiting for 5 seconds. Remove the priming bottle from tool with the air supply *STILL CONNECTED* (this is so the main pneumatic piston does not relax and disgorge any oil over the operator). Refit the bleed plug to tool and tighten. Then return the stroke adjustment to its previous setting and test install an insert into a sample plate to ensure correct setting.

Please Note: A protective visor & gloves must be worn when operating or maintaining this tool.

Special care should be taken during the Bleed procedure, DO NOT to press the trigger WITHOUT either the Grub Screw or Priming Bottle attached!

Information provided is advice only and does not account for the specific circumstances of your tooling. If in doubt, always contact Profast before attempting any repairs

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