

CERAMIC NOZZLE EXCHANGE

Actual nozzle (ND08 or ND029) has been used since 2009. However, the chamber design has been changed (Fig.1, Fig.2). Typically, the need for its exchange comes after 5 seasons. It should be changed after the season. There is no need to change it during the heating season unless totally damaged.

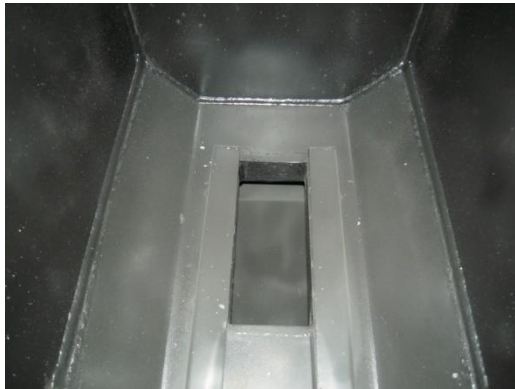


Fig 1 MA 31 chamber without nozzle (2012)



Fig 2 MA 25 chamber without nozzle (2016)

1. Use a hammer to smash old concrete around the nozzle.
2. Use a screw jack from your car to push the nozzle up simply. (First remove the ceramics from the bottom and place some board to protect the bottom). Remove the nozzle out.
3. Remove all the concrete residua from the boiler chamber, remove also ash and wood residua, old concrete. Remove the sealant from the back side. Make sure there are no rests in the air inlets. The result should be similar to pictures above (Fig. 1) or (Fig. 2)
4. Carefully insert the new nozzle into the chamber. Put down the nozzle gently on the tubes to prevent its damage
5. Push the nozzle forward.
6. Fill the gap between the nozzle and the back side of the combustion chamber and around the nozzle by a heat resistant sealant to prevent the liquid concrete to let inside.
7. Use a tape to cover the nozzle hole.
8. Prepare a soft liquid mixture of cement and water. Apply it all around the nozzle. Level up. Do not put above the nozzle level.
9. Keep drying for 24hrs. Let the door open to fasten drying by the chimney flow. Do not move with the boiler!





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