

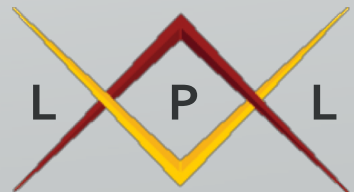
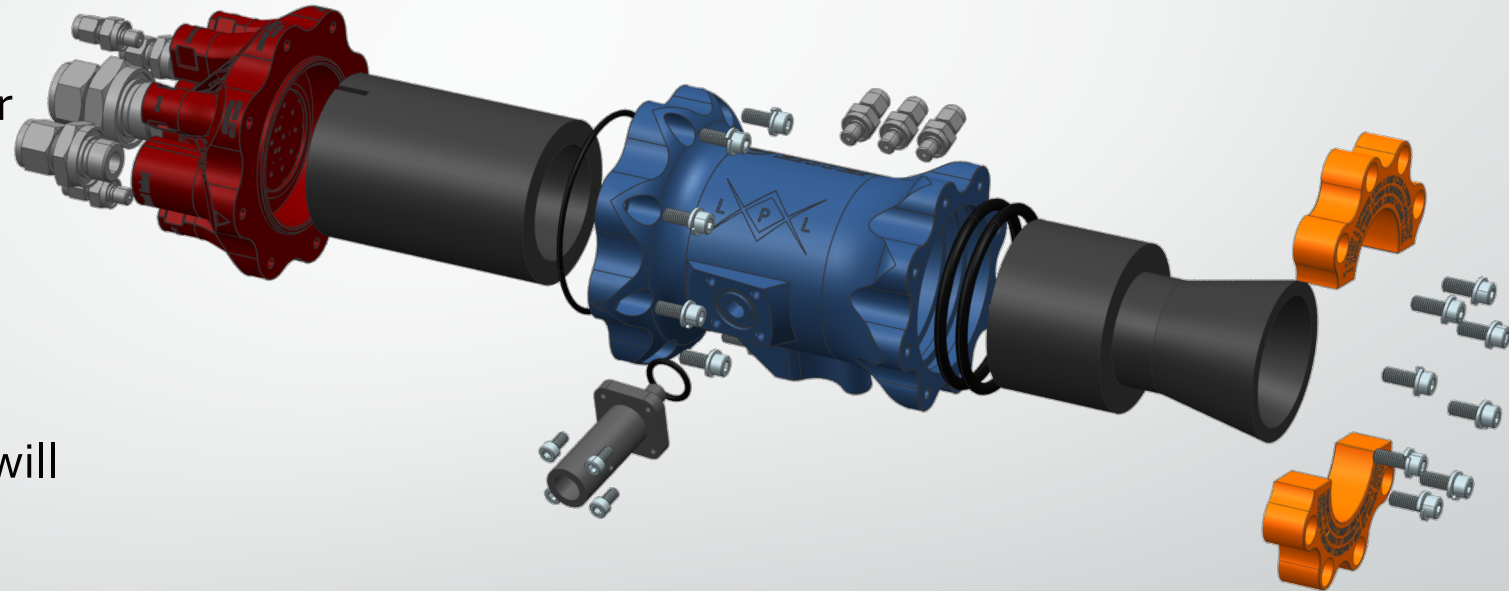
J&J Build Assembly

Installing the Chamber insert

The chamber insert will be fabricated to have a slightly undersized outer diameter with respect to the combustion chamber inner diameter

This will provide ease of assembly

The chamber insert will be sized so that during the static fire the insert will expand and make contact on the chamber inner wall, this will help transfer all of the load to the chamber wall



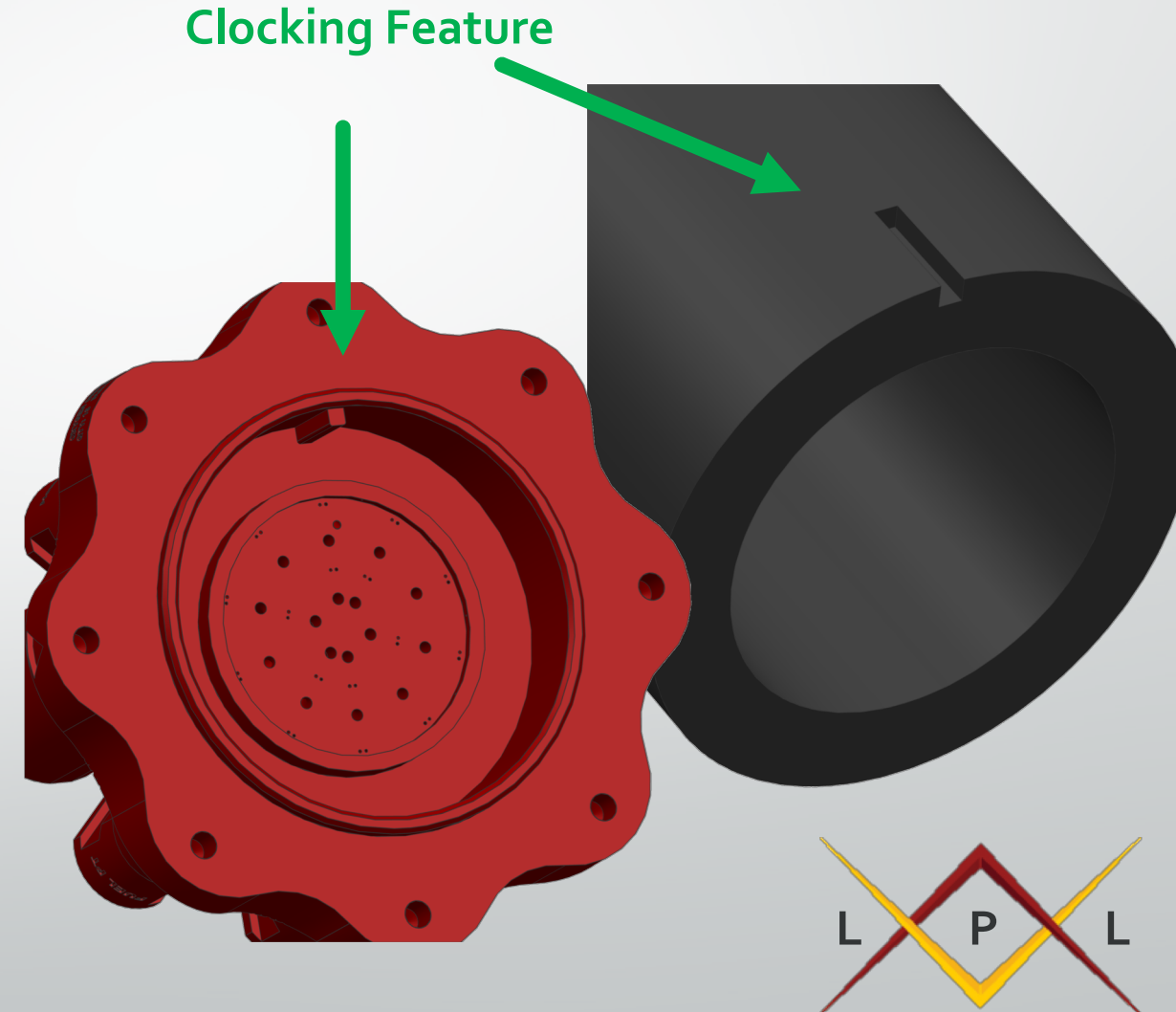
J&J Build Assembly

Installing the Chamber insert

The axial length of the insert will be sized to be slightly larger than the engine's axial length. This will require a press fit of the chamber liner during assembly.

Press fitting the chamber liner will prevent any axial movement during static fire.

A clocking feature on the injector face will position the liner correctly, to make sure the pressure chambers and ignitor are lined up.



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Installing secondary components

All fitting ports featured printed in labels for trivial installation

Examples include:

Oxygen inlet, film cooling inlet,
fuel inlet, chamber pressure
pressure transducer, oxygen
injector pressure transducer, etc.

