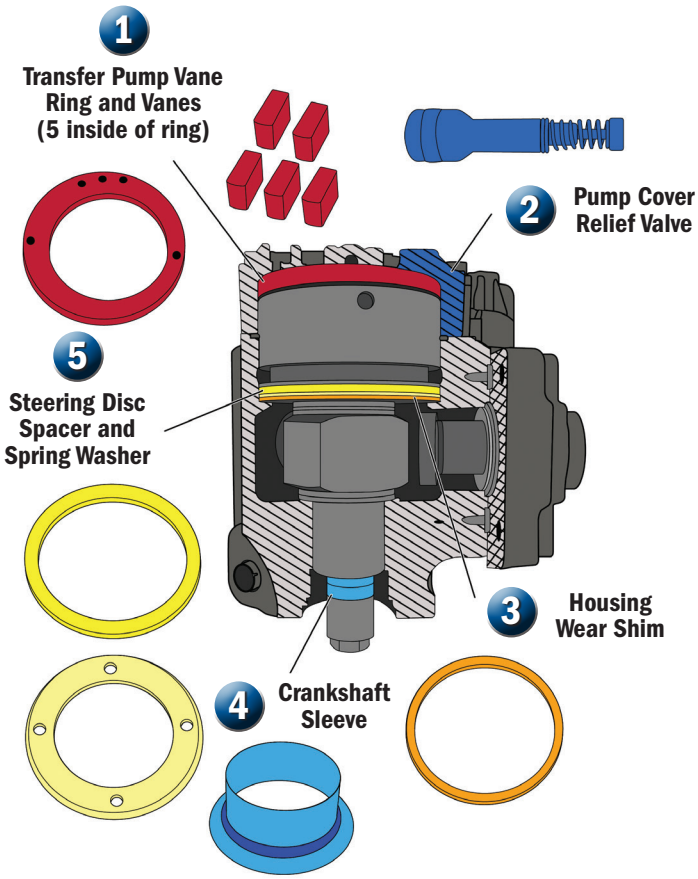
Motorcraft Remanufactured High Pressure Fuel Pumps

Only Genuine Motorcraft Remanufactured High Pressure Fuel Pumps (HPFP) feature proprietary engineering enhancements to help maximize durability and performance. Ford has exclusive access to the original blueprint data and OE specifications. Competitors use reverse engineering to try to duplicate OE specifications which may miss the mark significantly.



Note: 6.4L High Pressure Fuel Pump shown

	Product Features	Ford	Competitors
1 2	Transfer Pump and Pump Cover	Upgraded vane ring, new vanes, and new relief valve help provide required flow to the piston for optimal performance and reliability.	Reused vane rings and vanes can cause low performance conditions.
3	Housing and Wear Shim	Pump housings are machined at the pressure surface area and a new shim is installed to maintain OE dimensions and help provide excellent servicability.	Unmachined pressure surface areas can result in leaks and reduce pump performance.
4	Crankshaft Sleeve	New sleeves at the critical sealing area provides a new sealing surface and helps prevent fuel leaks into the engine.	Utilizing existing crankshaft and trying to grade the wear may cause a seal leak which can lead to an over-fueling condition.
5	Steering Disc	100% new enhanced spacers and spring washers address internal leaks that can occur as a result of movement during the operation of the pump.	"As-is" springs and spacers may create loose and leaking conditions that can reduce pump performance.

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Motorcraft Remanufactured High Pressure Oil Pumps

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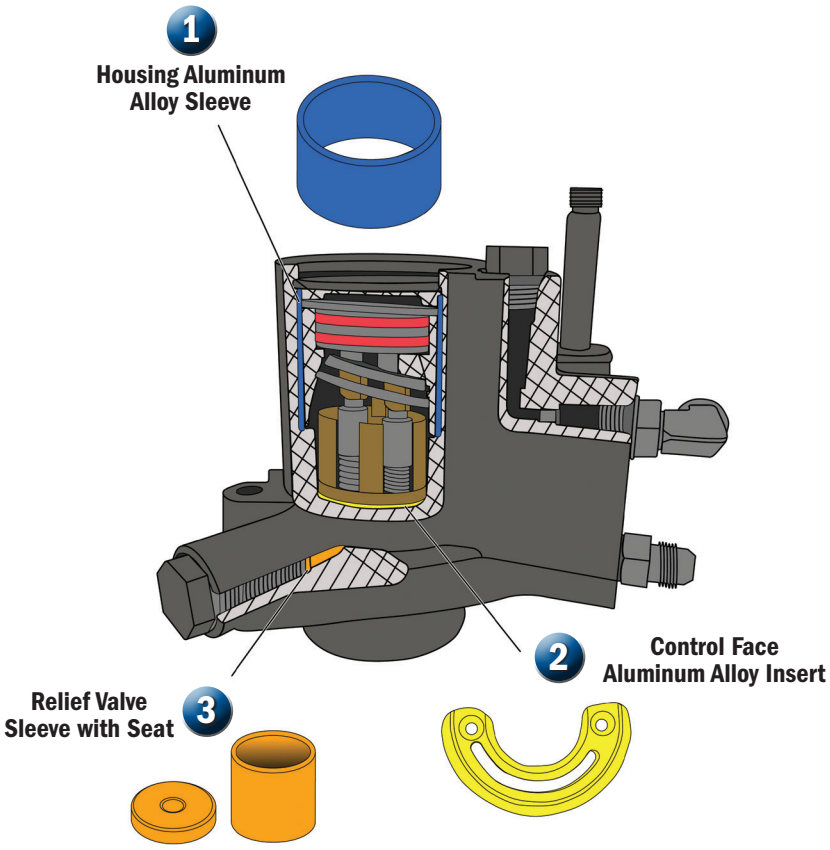

Note: 7.3L DI High Pressure Oil Pump shown

	Product Features	Ford	Competitors
1	Housing	High density aluminum alloy sleeve helps restore OEM geometry for strength and durability.	Over-sized cylinder bores decrease the press fit of the bearing block, which may result in inadequate pressure to actuate the fuel injectors.
2	Control Face	High density aluminum alloy insert is used as needed to help restore OEM geometry for strength and durability.	Worn cavitated control faces compromise sealing during the pressure cycle, which may cause the pump to leak fluid and/or result in inadequate pressure to actuate the fuel injectors.
3	Relief Valve*	New relief valve seat and updated RV sleeve help restore leak free operation and reduce the possibility of a shifted sleeve.	Worn relief valve seats and RV sleeves may result in fluid leaks during the pressure building cycle which can cause inadequate oil volume delivery to the injectors.

*Only applicable on 7.3L

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