



**FORD PERFORMANCE
RACING PARTS**

M-6500-R302H HIGH PERFORMANCE HYDRAULIC ROLLER CAM LIFTERS

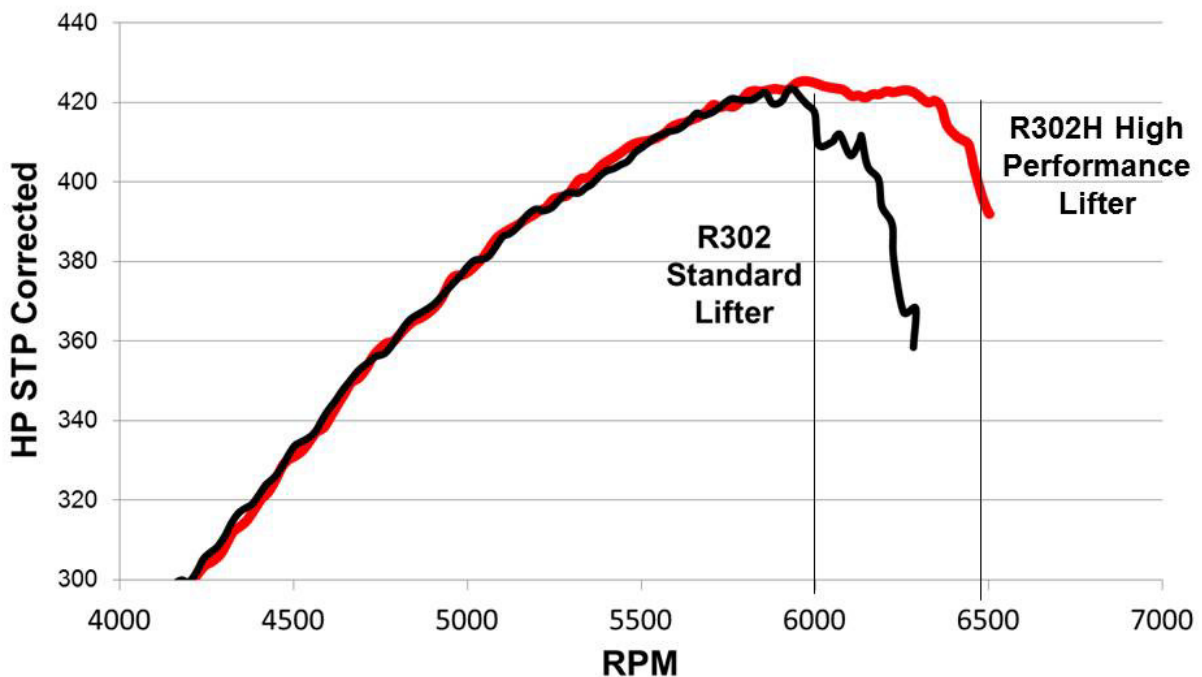
It's not often that little changes can deliver big results - but in the case of the Ford Performance R302H Lifter that's exactly the case.

Before getting into the technical details of the lifter – here's the background on why and how this special lifter was developed by the Engineers at Ford Performance. Circle Track racers that use the production hydraulic roller lifter in 347 Crate Engines reported that their engine seemed to lose power during long green flag runs. Dyno testing by Ford Performance engineers confirmed that - and showed a dramatic performance fall off over 6,000 rpm with hot oil temperatures. The problem was traced to the piddle valve check ball – that would become unseated at high RPM when the oil got hot. The fix was a lighter weight ceramic piddle valve check ball combined with a higher rate piddle valve spring to keep it seated. The results of these 2 small changes were impressive – and noticeable by the racers. The power range was extended 3-400 RPM in hot operating conditions – and more importantly, the performance fall off on those long runs was gone.

D347SR Sealed Racing Engine



Power Test Stock vs. R302H Lifter @ 250 Degree F Oil



This unique lifter construction for a drop in hydraulic roller lifter is an exclusive from Ford Performance and fits any small block Ford roller cam application. While the R302H was developed specifically for racing conditions, it's the right choice when assembling a high performance small block that uses a hydraulic roller camshaft.



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Piddle Valve Check Ball and Spring



M-6500-R302
Standard Roller Lifter



M-6500-R302H
High Performance Roller Lifter