

# TECH TIPS—ASK DR. CHRIS



## INTERNATIONAL® C263 & C291 Tractor Engines

The C263 engine came from the factory with a standard bore of 3.562, while the C291 engine was 3.750 bore. Over the course of time, certain manufacturers began offering an overbore kit of 3.750 for the C263 engine.

To increase the bore, the cylinder block had to be bored out to accept a larger diameter cylinder sleeve. The main difference between the sleeves for the overbored C263 engines and the C291 engines is the size of the flange on top of the cylinder sleeves.

The C263 utilizes a flange diameter of 4.052 and a flange width of .189, while the C291 flange diameter is 3.930, with a flange width of .104.



C291 sleeve

C263 sleeve