

# TECH TIPS - ASK DR. CHRIS



## Connecting Rod Differences for Perkins® 3-152 and 4-203 Engines



Connecting rods for *direct* injected engines, part #HZZ90010, have a center to center length of 8.813 inches. These engines utilize a piston with a combustion bowl.

Connecting rods for *indirect* injection engines, part #HZZ90011, have a center to center length of 9.000 inches. These engines utilize the flat-top pistons.



If incorrect connecting rods are installed in an engine, it could cause one of two problems:

- 1) The piston protrusion above the cylinder block face would be excessive, causing the pistons to contact the cylinder head.
- 2) The piston would be recessed too far, causing a hard starting problem.