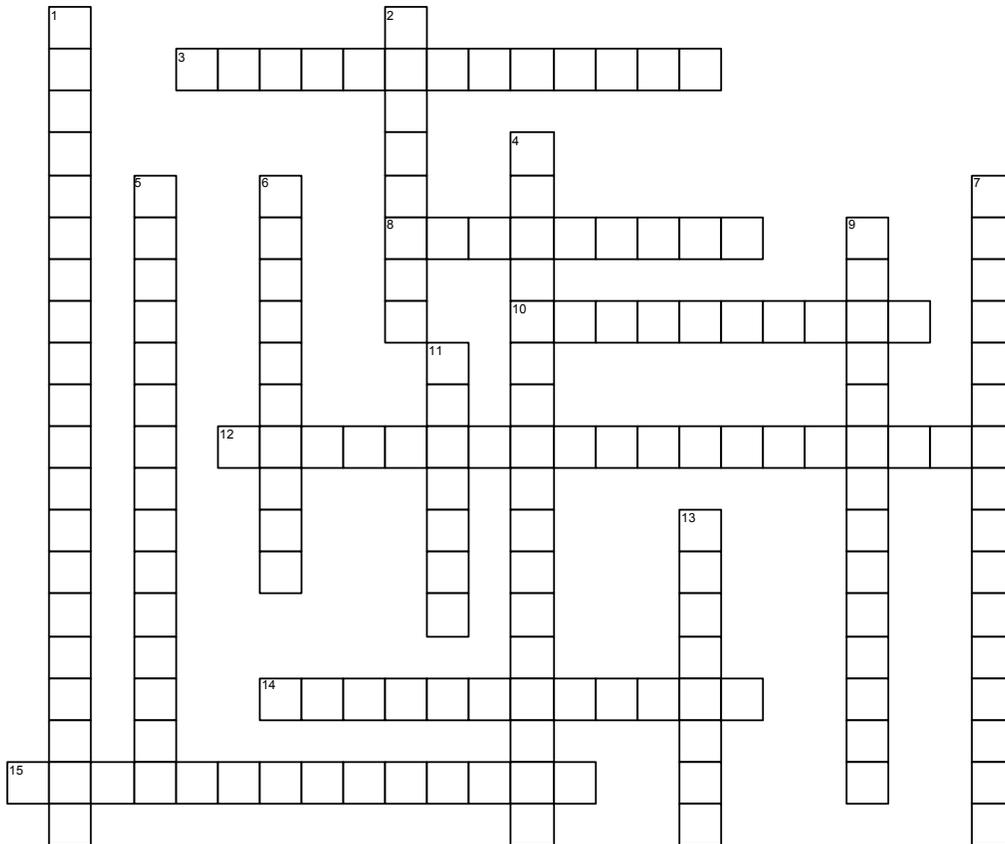


Balancing and Blueprinting

Chapter 33



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ACROSS

- 3 A drill is commonly used to remove weight from the _____ of the crankshaft to achieve proper balance.
- 8 The purpose of _____ the camshaft in the engine is to locate the valve action exactly as the camshaft manufacturers intended.
- 10 _____ are attached to the rod journals on V-type engines to simulate the weight of the rods and pistons.
- 12 _____ includes the pistons and rods.
- 14 _____ is the process used to customfit and select variables to best match a predetermined level of performance.
- 15 Reciprocating weight is also called _____.

DOWN

- 1 The camshaft degreasing method most often recommended by camshaft manufacturers is the _____ method.
- 2 If the camshaft is slightly behind the crankshaft, the

camshaft is called _____.

- 4 Some machines operate from a _____ that picks up vibrations in the assembly and a meter indicates the exact location of heaviness to be removed.
- 5 A _____ is a formula used to determine what percentage of the reciprocating weight needs to be included in the bob weight.
- 6 _____ is an alloy of tungsten that is 1.5 times heavier than lead.
- 7 To accurately measure the volume of the combustion chamber, a _____ is used with mineral spirits to measure the exact volume of the chamber in cubic centimeters.
- 9 The big end of the rod is considered to be part of the _____ and the small end part of the reciprocating weight after the rod has been reconditioned.
- 11 After the _____ through the open intake valve has been determined, a formula can be used to estimate horsepower.
- 13 If the camshaft is slightly ahead of the crankshaft, the camshaft is called _____.