Cylinder Head And Valve Guide Service
Chapter 30

ACROSS

2 By placing the intake and the exhaust valves on the opposite side of the combustion chamber, an easy path from the intake port through the combustion chamber to the exhaust port is provided, this is called a _______ _______ design.

4 Checking the cylinder head gasket surface in five planes checks the head for _______, distortion, bend, and twist.

8 The _______ _______ is an area of the combustion chamber where the piston nearly contacts the cylinder head.

9 Shared ports are called _______ _______.

10 The squish area can also be the _______ _______ where the air-fuel mixture is cooled by the cylinder head.

11 A _______ _______ type of resurfacer uses metal-cutting tool bits fastened in a disc.

12 The _______ _______-_______ _______ is an important design consideration for combustion chambers.

15 Modifications in the field, such as _______ _______, would result in restricting the flow of such a carefully designed port.

DOWN

1 _______ _______-_______ means that the valve is kept close to the walls of the combustion chamber to help increase mixture turbulence.

3 Another name for the cam bearing bore is the _______ _______.

5 Another classification of surface finish, which is becoming obsolete, is called the _______ _______-_______ _______.

6 The cylinder head surface that mates with the top deck of the block is often called the _______ _______.

7 Some domestic vehicle manufacturers that have integral valve guides in their engines recommend reaming worn valve guides and installing new valves with _______ _______.

13 The part of the intake or exhaust system passage that is cast in the cylinder head is called a _______ _______.

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