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# 7. Cylinder Head/Cylinder/Piston

<b>Service Information</b>	<b>7-1</b>	<b>Cylinder Head, Cylinder and Piston Removal/Installation</b>	<b>7-2</b>
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## Service Information

- Clean all disassembled parts with cleaning solvent and dry them by blowing them off with compressed air before inspection.
- Be careful not to damage the mating surfaces by using a screwdriver when disassembling the cylinder. Do not strike the cylinder too hard during disassembly, even with a rubber or plastic mallet, to prevent the possibility of damage to the cylinder fins.
- Take care not to damage the cylinder wall and piston.

## Troubleshooting

### Compression too low, hard starting or poor performance at low speed

- Cylinder head
  - Leaking or damaged cylinder head gasket
  - Warped or cracked cylinder head
- Loose spark plug
- Worn, stuck or broken piston rings
- Worn or damaged cylinder and piston
- Leaking crankcase primary compression
  - Blown crankcase gasket
  - Damaged crankshaft oil seal

### Compression too high, overheating or knocking

- Excessive carbon build-up on piston or combustion chamber

### Abnormal noise

- Worn cylinder, piston, piston ring
- Worn piston pin or piston pin hole
- Worn connecting rod small end bearing