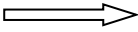
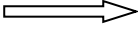
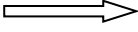
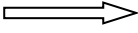


## Abnormal noise of the engine

Inspection	Possible causes
1. Abnormal noises from the valve	 <ul style="list-style-type: none"><li>(1) Valve clearance is too big Abnormal noises from the valve.</li><li>(2) Valve is worn.</li></ul>
2. Abnormal noises from the cylinder	 <ul style="list-style-type: none"><li>(1) Piston and cylinder block are worn.</li><li>(2) Piston pin and the small end hole of the connection rod are worn.</li><li>(3) The Crank pin and the connecting rod big end are worn.</li></ul>
3. Abnormal noises from the timing chain	 <ul style="list-style-type: none"><li>(1) The camshaft is worn.</li><li>(2) The timing driven sprocket is worn.</li><li>(3) The timing chain stretches.</li><li>(4) The automatic tensioner of the timing chain fails or the guide pulley is worn.</li></ul>
4. Abnormal noises from driving gear and driven gear	 <ul style="list-style-type: none"><li>(1) The machining precision of the gears are insufficient.</li><li>(2) The teeth of the gear are worn.</li><li>(3) The fit clearance between the driving gear and driven gear is too small or too big.</li></ul>