

# TROUBLESHOOTING GUIDE

## 1. ENGINE

※ This guide is not intended to cover every conditions, however many of the more common possibilities are listed.

Trouble	Service	Remark
Engine oil pressure lamp fails to go off immediately after the engine is started.	<ul style="list-style-type: none"> <li>· Add the oil to the specified level.</li> <li>· Replace the oil filter.</li> <li>· Check oil leakage from the tube or the joint.</li> </ul>	
Steam is emitted from the top part of the radiator (The pressure valve). Engine coolant temperature gauge indicates red range.	<ul style="list-style-type: none"> <li>· Supply the cooling water and check leakage.</li> <li>· Adjust fan belt tension.</li> <li>· Wash out inside of cooling system.</li> <li>· Clean or repair the radiator fin.</li> <li>· Check the thermostat.</li> <li>· Check the engine coolant temperature gauge.</li> <li>· Tighten the radiator cap firmly or replace the gasket of it.</li> </ul>	
Engine does not start when the starting motor is turned over.	<ul style="list-style-type: none"> <li>· Add fuel</li> <li>· Repair where air is inhaled into fuel system.</li> <li>· Check the injection pump or the nozzle.</li> <li>· In cold weather, check if fuel warmer system is working normal.</li> <li>· Check the valve clearance.</li> </ul>	Refer to the pages 4-5.
Exhaust gas is white or blue.	<ul style="list-style-type: none"> <li>· Adjust to specified oil quantity.</li> <li>· Replace with specified fuel.</li> </ul>	
Exhaust gas occasionally turns black.	<ul style="list-style-type: none"> <li>· Clean or replace the air cleaner element.</li> <li>· Check the nozzle.</li> <li>· Check engine compression pressure.</li> <li>· Check or replace the turbocharger.</li> </ul>	
Combustion noise occasionally changes to breathing sound.	<ul style="list-style-type: none"> <li>· Check the nozzle.</li> <li>· Check the injection pump.</li> </ul>	
Unusual combustion noise or mechanical noise.	<ul style="list-style-type: none"> <li>· Check with specified fuel.</li> <li>· Check overheating.</li> <li>· Check the muffler.</li> <li>· Adjust valve clearance.</li> </ul>	