

Engine overheating

Causes	Remedies
Excessive carbon deposit in engine	Decarbonise
Loose or broken fan belt	Adjust or replace
Not enough coolant	Clean or top up coolant
Lack of lubrication	Top up engine oil
Erratically working thermostat	Replace
Radiator core tubes clogged	Repair or Replace
Poor water pump performance	Repair or Replace
Wrong injection timing	Set proper timing
Leaky radiator core tube	Repair
blocked silencer	Clean
Closed radiator shutter	Open
Closed radiator fins	Straighten
Clogged oil filter	Replace
Poor performance of oil pump	Repair or replace

Low power generation

Causes	Remedies
Leaky cylinder head gasket	Replace
Improper valve seating	Repair
Broken valve spring	Replace
Worn piston ring/bore	Replace or rebore
Piston rings sized in grooves or broken	Replace
Exhaust port clogged	Clean
Weak compression	Adjust valve clearance
Defective fuel feed pump	Repair or Replace
Clogged fuel filter	Replace
Clogged air cleaner	Replace
Wrong injection timing	Set properly
Wrong tappet clearance	Adjust correct clearance
Defective injector	Repair or Replace

High oil consumption

Causes	Remedies
External oil leakage	Rectify the leakage
High oil level	Remove excess oil
Valve oil seal damaged	Replace oil seal
Piston/rings wornout	Replace piston/rings
Engine oil low viscosity	Replace the oil
Oil reaching in exhaust manifold	Replace exhaust valve guides and valve
Oil reaching to combustion chamber	Replace the piston rings

Low oil pressure

Causes	Remedies
Low oil viscosity	Replace oil
Oil strainer blocked	Clean
Wornout oil pump gear	Replace gears
Strainer pipe mounting loose	Tighten
Defective oil pressure gauge	Replace
Defective pressure relief valve	Replace
Crank/camshaft bearing wornout	Replace bearing
Low oil level in the sump	Top up

High oil pressure

Causes	Remedies
High oil viscosity	Replace oil and use correct viscosity
Defective oil pressure gauge	Replace
Defective pressure relief valve	Replace or adjust correct value
Oil passages blocking	Clean the oil passages

Engine noise

Causes	Remedies
Wornout gudgeon pins	Replace
Wornout piston and rings	Replace
Piston ring broken	Replace
Vehicle over load	Avoid over loading
Tighten wheel bearing	Adjust
Clutch slipping	Adjust or Replace
Big end bearing wornout	Replace