

Failure Diagnosis – Foreign Debris

Replacement of engine gaskets can be time wasted, if the cause of engine failure has not been identified. Gaskets act much like a safety valve or fuse, designed to give way, amid underlying fitting or operational problems, thus preventing more detrimental engine damage. As such, clues left on the gasket may help you diagnose failure, preventing any re-occurrence.

Ensure mating surfaces, bolts, threads and bolt holes are all clean and free from foreign matter before gasket installation. Debris may cause damage to the gasket and even the mating components. Debris can allow combustion and fluid leakage and also clamping load problems.

Check that new or remanufactured components are also clean from machining, cleaning or packaging residue.



Trapped debris damages gaskets fire-ring



Debris can allow leak paths for combustion