

ABSTRACT

Damage to the vehicle is often completely unexpected, lack of maintenance on a vehicle becomes a major factor damage. Vehicle care less cause various problems, especially on the engine, it is necessary to recondition a car engine. In this study overhaul Toyota 5K run into problems on the machine.

To study the reconditioning process is four stages, namely the process of identifying the damage, preparation tools, proses overhaul and testing. Overhaul process includes disassembly, inspection, measurement, repair, replacement, assembly and adjustment.

Based on the results of reconditioning and testing process, which must be replaced components obtained among other things a full gasket set, piston sets, electric and gas stations. Components that should be fixed cylinder block and a hole in the cylinder head water jacket is porous. The test results Kijang 5K compression pressure is in accordance with the standard, the machine is turned on, and the machine does not issue a grayish-white smoke.

Keyword: Overhaul and Engine