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| --- | --- |
| Conditions | Possible causes |
| All cylinders at normal pressure(no more than 10% difference between cylinders | None.Engine is in good condition |
| All cylinders low(more than 20%below specification | 1.Burned valve or valve seat2.Blown head gasket*(blīve)*3.Worn rings or cylinder4.Maladjusted( *izjaukts regulējums*) valves5.Jumped timing chain or belt6.Physical engine damage |
| One or more cylinders low(more than 20%below specifications) | 1.Burned valve or valve seat2.Damage or wear on affected cylinders |
| Two adjacent (*blakus*) cylinders low(more than 20% below specifications) | 1.Blown head gasket2Cracked block or head |
| One or more cylinders high (more than 20% above specification) | Carbon buildup(*palielinājums)* in cylinder |

 Diagnostikas piemēri:

 Compression test results

Clutch diagnosis

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| --- | --- | --- |
| Condition | Possible causes  | Correction |
| Clutch is noisy when pedal is depressed-engine not running | 1.dry, sticking linkage2.dry or scored throw-out bearing sleeve3.pressure plate drive lugs rubbing clutch cover | 1.lubricate and align linkage2.lubricate or replace3.lubricate with high temperature grease |
| Clutch is noisy when pedal is fully released – engine running | 1.insufficient pedal free travel2.worn clutch disc3.broken clutch disc springs4.misaligned clutch housing5.worn clutch disc hub splines6.worn input shaft splines7.sprung input shaft8.worn input shaft transmission beraing | 1.adjust free travel2.replace clutch disc3.replace clutch disc4.align housing5.replace clutch disc6.replace input shaft7.replace input shaft8.replace transmission bearing |
| Excessive pedal pressure | 1.dry, sticking linkage2.binding pressure plate release fingers3.linkage misaligned4.throw-out bearing sleeve binding on transmission bearing retainer.5.sticking linkage in master or slave cylinder | 1.lubricate linkage2.free and lubricate3.align linkage4.free and lubricate retainer5.clean or replace as needed |
| Rapid clutch disc wear | 1.insufficient pedal free travel2.scored flywheel or pressure plate3.driver’ rides’ the clutch4.driver races engine and slips clutch excessively during starting5.driver holds vehicle on hill by slipping cluych6.weak pressure plate springs | 1.adjust free travel2.resurface or replace3.advise driver4.advise driver5.advise driver6.rebuild or replace pressure plate assembly |