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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 seat  2.Blown head gasket*(blīve)*  3.Worn rings or cylinder  4.Maladjusted( *izjaukts regulējums*) valves  5.Jumped timing chain or belt  6.Physical engine damage |
| One or more cylinders low(more than 20%below specifications) | 1.Burned valve or valve seat  2.Damage or wear on affected cylinders |
| Two adjacent (*blakus*) cylinders low(more than 20% below specifications) | 1.Blown head gasket  2Cracked 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 linkage  2.dry or scored throw-out bearing sleeve  3.pressure plate drive lugs rubbing clutch cover | 1.lubricate and align linkage  2.lubricate or replace  3.lubricate with high temperature grease |
| Clutch is noisy when pedal is fully released – engine running | 1.insufficient pedal free travel  2.worn clutch disc  3.broken clutch disc springs  4.misaligned clutch housing  5.worn clutch disc hub splines  6.worn input shaft splines  7.sprung input shaft  8.worn input shaft transmission beraing | 1.adjust free travel  2.replace clutch disc  3.replace clutch disc  4.align housing  5.replace clutch disc  6.replace input shaft  7.replace input shaft  8.replace transmission bearing |
| Excessive pedal pressure | 1.dry, sticking linkage  2.binding pressure plate release fingers  3.linkage misaligned  4.throw-out bearing sleeve binding on transmission bearing retainer.  5.sticking linkage in master or slave cylinder | 1.lubricate linkage  2.free and lubricate  3.align linkage  4.free and lubricate retainer  5.clean or replace as needed |
| Rapid clutch disc wear | 1.insufficient pedal free travel  2.scored flywheel or pressure plate  3.driver’ rides’ the clutch  4.driver races engine and slips clutch excessively during starting  5.driver holds vehicle on hill by slipping cluych  6.weak pressure plate springs | 1.adjust free travel  2.resurface or replace  3.advise driver  4.advise driver  5.advise driver  6.rebuild or replace pressure plate assembly |