

Frame Troubleshooting

chain - noisy

- not lubricated
- slaps - excessive play, worn chain and sprockets
- whines - too tight

chain - not straight

- wheel alignment
- rear wheel not spaced properly

excessive vibration

- loose mounting bolts
- frame cracked, broken
- loose spokes
- wheels not balanced - particularly the front
- rims not true
- wheel bearings
- tyres worn, damaged, wrong pressure
- axle or swingarm nuts loose
- steering head bearings
- swingarm bushes or bearings
- badly worn chain and sprockets
- crankshaft bearings
- forks bent or not aligned, unequal oil levels
- no fork brace
- rear shocks
- handle bar mounts worn
- foot peg rubbers worn

front forks

- too much, too little or unequal oil levels
- oil- wrong viscosity, dirty
- seals leaking
- springs - weak, broken, collapsed
- bent tubes
- slider deformed from alu removal or polishing heat
- no fork brace
- fork slider bush is worn - noisy, play

pulls to one side

- bent forks or axle
- unbalanced suspension operation

steering is stiff

- front tyre pressure is low
- steering damper too tight
- steering head bearings too tight
- bearings dry or damaged
- steering stem is bent
- rear shocks uneven

uncertain handling

- low tyre pressures
- steeringhead bearings worn or loose
- rear shocks defect, unequal, not set for load
- swingarm bushes or bearings are worn
- loose axle
- loose spokes
- rim untrue

brakes - squeal

- linings or pads glazed, hard, worn, damaged
- dirty linings, drum or disc

brakes, disc - excessive lever travel, power loss

- lines leaking
- air in lines
- master cylinder low
- piston o ring leaking

brakes, disc - normal travel, power loss

- disc distorted
- pads - worn, damaged or dirty

brakes, disc - shudders

- disc warped
- loose mounting bolts
- dirty pads
- worn, damaged or distorted pads

brakes, disc - scored

- dirty pads

brakes, drum – don't hold

- adjustment
- linings worn, wet, oily, glazed
- drums worn or damaged

brakes, drum – on-off feel

- drum not round
- uneven road surface