

# HOW TO INSPECT A USED VINTAGE HONDA MOTORCYCLE ENGINE



## 1. Clean the Engine

- Spray your engine down with degreaser, plug your intake and exhaust ports and pressure wash.



## 2. Verify the Motor is not Stuck / Frozen

- Remove spark plugs and spray penetrating oil into cylinders. If stuck here are common causes:
  - Starter motor/clutch binding
  - Rust in cylinders / rings
  - Bent valves / broken cam chainTake your time investigating, don't force it. If it does not free up, rebuild the top end.



## 3. Drain Oil & Replace / Clean Oil Filter

- Drain old oil and either:
  - Replace oil filter (CB500K / CB550 / CB750)
  - Clean oil rotor (CB/CL/SL/CJ 175, 200, 350, 360, 450, 500T)



## 4. Inspect the Camshaft and Rocker Arms

- Remove cam covers to inspect camshaft. Bearing journals and lobes need to be free of pitting, galling, and overheating / discoloration. The Rocker arms should have clean follower pads and tips. Thoroughly lubricate using assembly lube and oiled before reassembling. Tighten cover bolts w/correct pattern see Honda Service Manual.



## 5. Remove Right side engine cover

- Open the clutch and check your friction discs for wear, replace if needed. Clean dirt, sludge and residue from all visual parts. Grease new gasket for easy removal at next service.



## 6. Remove, Clean and Inspect the Oil Pan

- CB550, CB500f or CB750 only. Check your primary chain for wear. If your engines high mileage and its loose you need to do a full rebuild. Replace pan gasket.



## 7. Remove, Clean and Inspect the Oil Pump & Pick up Screen

- Use assembly lube and fill your oil pump with oil. This will prime the system. Use caution not to damage filter screen, best to leave attached to pump during cleaning



## 8. Remove, Clean and Inspect Underneath the Stator Cover

- Remove cover and inspect for any damage. Clean any dirt, sludge and debris out. Grease and replace gasket.

**Final tips:** Replace your JIS screws on your engine with Allen Head Bolts and cover threads with anti-seize. You will smile upon this decision next time you have to remove these bolts and covers.

