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# 7. Engine Removal/Installation

Service Information	7-1	Engine Removal	7-4
Drive Sprocket Removal/Installation	7-2	Engine Installation	7-6

## Service Information

- During removal and installation, support the motorcycle using a safety stand or hoist.

### **⚠ WARNING**

- **Do not support the engine using the oil filter.**

- The following components can be serviced with the engine installed in the frame.
  - Alternator (Section 14)
  - Clutch/gearshift linkage (Section 9)
  - Cylinder head/valves (Section 8)
  - Oil cooler (Section 4)
  - Oil pump (Section 4)
  - Water pump (Section 6)
- The following components require engine removal for service.
  - Crankshaft/transmission (Section 10)
  - Shift forks/shift drum (Section 10)