
10. Crankcase/Crankshaft

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Service Information

- This section covers the crankcase separation to service the crankshaft.
- The following parts must be removed before separating the crankcase:
 - Oil pump (page 4-3)
 - Carburetor (page 5-3)
 - Reed valve (page 5-6)
 - Engine (section 6)
 - Cylinder head, cylinder, piston (page 7-2)
 - Drive pulley (page 8-5)
 - Alternator (page 13-8)
 - Starter motor (page 15-4)
- In addition to the parts listed above, remove the following parts when the left crankcase half must be removed:
 - Driven pulley (page 8-5)
 - Final reduction (page 9-2)
 - Rear brake (page 12-3)
- The crankcase separation/assembly and the crankshaft removal/installation require special tools.
- When assembling the crankcases, be sure to use the special tools; position the special tool against the bearing inner race and pull the crankshaft into the bearing in the crankcase. Therefore, if the bearings stay on the crankshaft after removing the crankshaft, remove them and drive new bearings into the crankcases. Also, be sure to install new oil seals.

Troubleshooting

Excessive noise

- Worn connecting rod big end bearing
- Worn connecting rod small end bearing
- Worn crankshaft main journal bearing