

SERVICE INFORMATION

GENERAL

- The crankcase halves must be separated to service the transmission and crankshaft. To service these parts, the engine must be removed from the frame (page 13-3).
- Be careful not to damage the crankcase mating surfaces when servicing.
- Engine lubricating oil is fed through the oil passages in the crankcase. Clean the oil passages before assembling the crankcase halves.

TROUBLESHOOTING

Excessive noise

- Worn, sized or chipped transmission gear
- Worn or damaged transmission bearing
- Worn or damaged connecting rod bearing
- Worn connecting rod small end
- Worn crankshaft bearing

Hard to shift

- Bent shift fork
- Bent shift fork shaft
- Damaged shift drum guide groove
- Damaged shift fork guide pin

Transmission jumps out of gear

- Worn gear dogs or dog holes
- Worn shift drum guide groove
- Worn shift fork guide pin
- Worn gear shifter groove
- Worn shift fork shaft
- Bent shift fork shaft