

## SERVICE INFORMATION

### GENERAL

#### ⚠ CAUTION

Used engine oil may cause skin cancer if repeatedly left in contact with the skin for prolonged periods. Although this is unlikely unless you handle used oil on a daily basis, it is still advisable to thoroughly wash your hands with soap and water as soon as possible after handling used oil.

- The oil pump can be serviced with the engine installed in the frame.
- When removing and installing the oil pump, use care not to allow dust or dirt to enter the engine.
- If any portion of the oil pump is worn beyond the specified service limit, replace the oil pump as an assembly.
- After the oil pump has been installed, check that there are no oil leaks and that oil pressure is correct.
- Engine oil level inspection (page 3-7)
- Engine oil change (page 3-7)
- Engine oil centrifugal filter cleaning (page 3-8)
- Engine oil strainer screen cleaning (page 3-7)

## TROUBLESHOOTING

### Engine oil level too low, high oil consumption

- External oil leaks
- Worn valve guide or stem seal
- Worn piston rings or incorrect piston ring installation
- Worn cylinder

### Engine oil contamination

- Oil not changed often enough
- Clogged oil strainer
- Oil centrifugal filter not cleaned often enough
- Worn piston rings

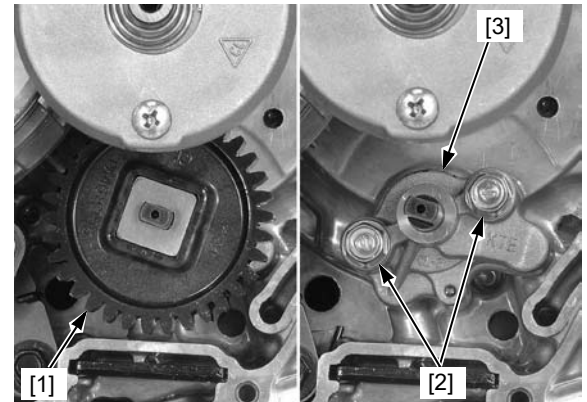
## OIL PUMP

### REMOVAL

Remove the right crankcase cover (page 10-4).

Remove the oil pump driven gear [1].

Remove the two mounting bolts [2] and oil pump [3].



Remove the dowel pins [1] from the oil pump body.

### INSTALLATION

Install the oil pump onto the right crankcase by aligning the dowel pins with the holes.

Install the removed parts in the reverse order of removal.

