

## BACKLASH ADJUSTMENT

### NOTE:

Adjust the backlash while the engine is cold (below 35°C/95°F) and the engine stopped.

Remove the balancer shaft holder pinch bolt.

Turn the balancer shaft clockwise until the resistance is felt, then back it off one graduation using the punch mark as a measure.

Warm up the engine and let it idle.

If the balancer gear noises excessive, adjust the balancer backlash as follows:

1. Turn the balancer shaft clockwise until the gears begin to make a "whining" noise. Then, turn the gear shaft counterclockwise until the gear "whine" noise disappears.

Tighten the gear shaft pinch bolt to the specified torque.

**TORQUE:** 12 N·m (1.2 kgf·m , 9 lbf·ft)

After gear backlash adjustment is done, snap the throttle and make sure the gear noises is no excessive.

If the gear "whine" noise is excessive, the backlash is too small.  
If the gear "rattling" noise is excessive, the backlash is excessive.

