

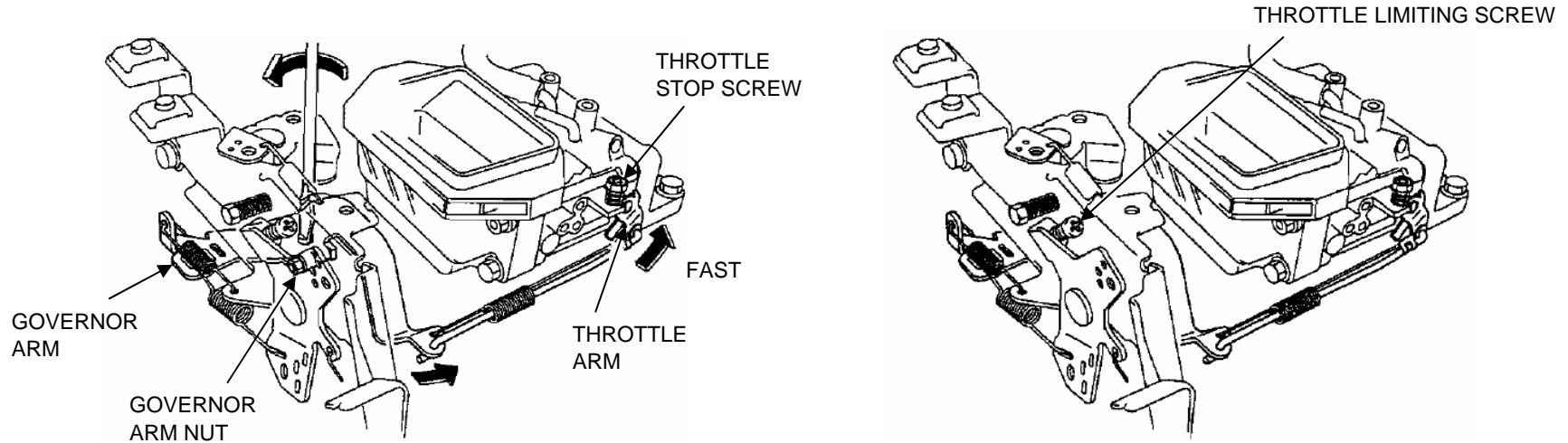


GOVERNOR

- ①. Remove the air cleaner case.
- ②. Loosen the governor arm nut.
- ③. Check the throttle arm is positioned in the FAST position.
- ④. Tighten the governor arm nut after turning the governor arm shaft counterclockwise fully.
- ⑤. Move the governor arm to the slow position and check that the throttle arm contacts the throttle stop screw.
- ⑥. Install the air cleaner case. Start the engine and allow it to warm up to normal operating temperature.

Move the control lever to run the engine at the standard maximum speed, and adjust the throttle limiting screw so the control lever cannot be moved past that point.

Maximum speed: **3,850 ± 150 min⁻¹ (rpm)**



VALVE CLEARANCE

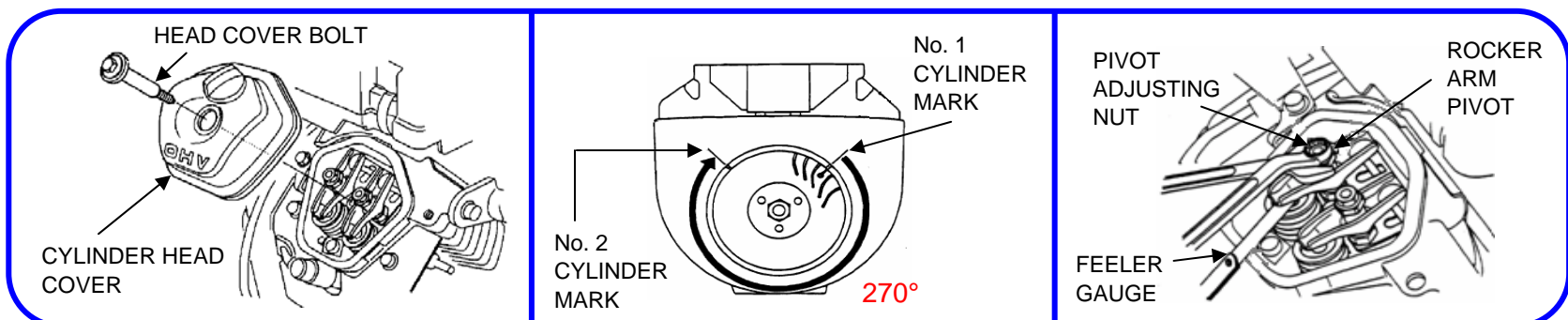
Valve clearance inspection and adjustment must be performed with the engine cold.

INSPECTION:

- ①. Remove the head cover bolt and the cylinder head cover.
- ②. Remove the recoil starter or screen.
- ③. Rotate the flywheel until the "T" mark on the cooling fan aligns with the "T" mark on the right side of the fan cover. (This alignment point is the top dead center of the No. 1 cylinder.) Be sure that the No. 1 cylinder is at top dead center of its compression stroke.
- ④. Check intake and exhaust valve clearance for the No. 1 cylinder by inserting a feeler gauge between the valve stem and the valve rocker arm.
- ⑤. Rotate the crankshaft 270° to put the No. 2 cylinder at top dead center of its compression stroke, and then check intake and exhaust valve clearance for that cylinder. **VALVE CLEARANCE (cold): 0.15 ± 0.02 mm (IN), 0.20 ± 0.02 mm (EX)**

ADJUSTMENT:

- ①. With the cylinder at top dead center of its compression stroke, loosen the pivot adjusting nut, and turn the rocker arm pivot to obtain the specified intake and exhaust valve clearance.
- ②. Hold the rocker arm pivot using a wrench, and tighten the pivot adjusting nut. **TORQUE: 9 N·m (0.9 kgf·m, 6.5 lbf·ft)**
- ③. Recheck valve clearance after tightening the adjusting nut.



IGNITION COIL AIR GAP

Adjustment is required only when the ignition coil or the flywheel has been removed.

- ①. Loosen the ignition coil bolts.
- ②. Insert a long thickness gauge between the ignition coil and the flywheel. Both gaps should be adjusted simultaneously.
- ③. Push the ignition coil firmly toward the flywheel and tighten the bolts.

SPECIFIED CLEARANCE: 0.4 ± 0.2 mm (0.16 ± 0.008 in)

NOTE: Avoid the flywheel magnet when adjusting the ignition coil air gap.

