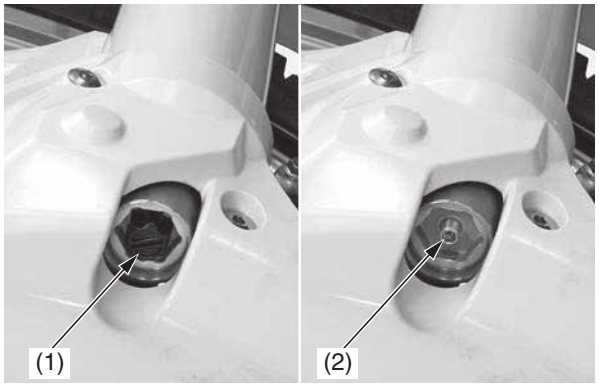
Balance Chamber Air Pressure

When adjusting the left fork air pressure, adjust the inner chamber air pressure first, then adjust the balance chamber air pressure.

1. Place an optional workstand under the engine, so that the front wheel is off the ground.
2. Adjust the inner chamber air pressure (page 123).
3. Remove the valve cap (1) and clean the area around the balance chamber air valve (2).
4. Place a shop towel over the balance chamber air valve.
5. Release the air pressure from the balance chamber by pressing the valve center.

When releasing air pressure from the balance chamber, the fork will be extended.
Spraying a small amount of fork oil from the balance chamber air valve is normal when releasing air pressure from the balance chamber. This will not affect the fork performance.



(1) valve cap
(2) balance chamber air valve

6. Adjust the balance chamber air pressure.

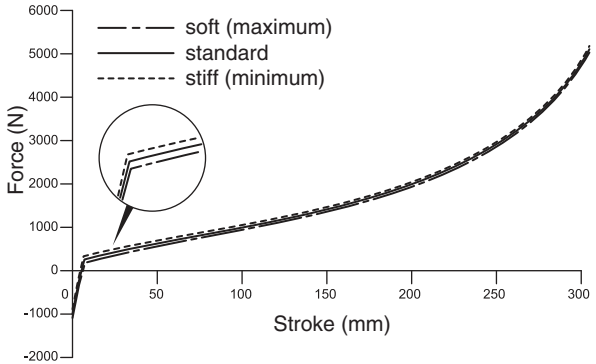
When applying air pressure to the balance chamber, the fork will be shortened.

Do not adjust the balance chamber air pressure to a level that is outside the minimum or maximum level.

The correct "cold" balance chamber air pressures are:
Standard: 163 psi (1,125 kPa, 11.5 kgf/cm²)

soft (maximum)	189 psi (1,300 kPa, 13.3 kgf/cm²)
standard	163 psi (1,125 kPa, 11.5 kgf/cm²)
stiff (minimum)	145 psi (1,000 kPa, 10.2 kgf/cm²)

with standard inner chamber air pressure and standard oil capacity:



The higher or lower balance chamber air pressure affects the initial range of fork travel.

7. Check that there is no air leakage. If there is any air leakage, replace the air valve assembly.
8. Check that the valve cap is in good condition and replace it if necessary.
9. Install and tighten the valve cap to the specified torque:
   0.4 lbf·ft (0.5 N·m, 0.1 kgf·m)

Left Fork Outer Tube Oil capacity

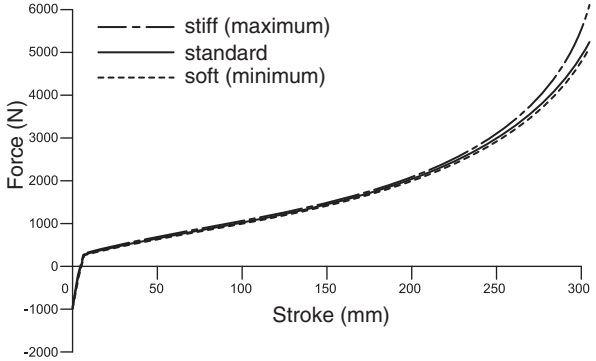
To adjust the oil capacity refer to *Outer Tube Fork Oil Replacement* on page 91.

Oil capacities are:
Standard: 10.5 US oz (310 cm³)

soft (minimum)	10.1 US oz (300 cm³)
standard	10.5 US oz (310 cm³)
stiff (maximum)	12.3 US oz (365 cm³)

When adjusting oil capacity, bear in mind that the air in the fork will increase in pressure while riding; therefore, the higher the oil capacity, the higher the eventual pressure of any air in the fork.

with standard inner chamber air pressure and balance chamber air pressure:



The higher or lower left fork outer tube oil capacity affects the final range of fork travel.