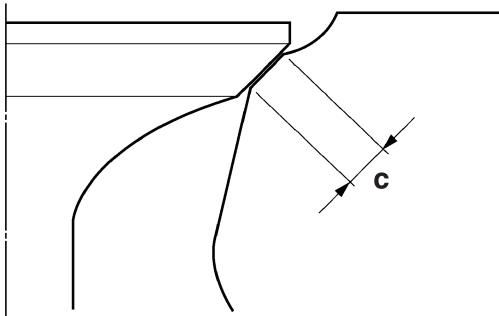


- h. Install the valve into the cylinder head.
- i. Press the valve through the valve guide and onto the valve seat to make a clear impression.
- j. Measure the valve seat width "c" again. If the valve seat width is out of specification, reface and lap the valve seat.



2. Measure:
 - Compressed valve spring force "a"
Out of specification → Replace the valve spring.



Installed compression spring force (intake)

160.00–184.00 N (16.32–18.76 kgf, 35.97–41.36 lbf)

Installed compression spring force (exhaust)

160.00–184.00 N (16.32–18.76 kgf, 35.97–41.36 lbf)

Installed length (intake)

25.60 mm (1.01 in)

Installed length (exhaust)

25.60 mm (1.01 in)



EAS24310

CHECKING THE VALVE SPRINGS

The following procedure applies to all of the valve springs.

1. Measure:
 - Valve spring free length "a"
Out of specification → Replace the valve spring.



Valve spring free length

Free length (intake)

47.06 mm (1.85 in)

Limit

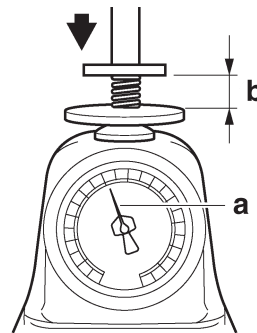
44.71 mm (1.76 in)

Free length (exhaust)

47.06 mm (1.85 in)

Limit

44.71 mm (1.76 in)



- b. Install length
3. Measure:
 - Valve spring tilt "a"
Out of specification → Replace the valve spring.



Spring tilt limit

Spring tilt (intake)

2.5°/2.1 mm (0.08 in)

Spring tilt (exhaust)

2.5°/2.1 mm (0.08 in)