NK30 Inlet Valve Disassembly & Cleaning

Complete Valve
Step 1) Remove Wing Nuts

Remove both wing nuts
Step 2) Lift Off Black Air Filter Cover
Step 3) Lift Off Air Filter Element To Expose Inlet Valve
Step 4) While Holding Down Steel Plate, Remove Nuts

Hold down steel plate while removing nuts.

Remove both nuts.
Step 5) After Removing Nuts, Slowly Let Steel Plate Lift

Spring will lift steel plate.
Step 6) Remove Steel Plate & Spring

Lift off steel plate & spring.
Inlet valve may require some force to remove. Older valves may need some force to loosen them from air end housing.
Step 8) O-Ring Should Remain In Air End Housing

Proper o-ring position.
Step 9) Inspect Inlet Valve

Check for warping or signs of stress on inlet plate.
Step 10) Clean Port In Inlet Valve

Spray B12 Chemtool or some other solvent with a propellant into port to flush out debris.