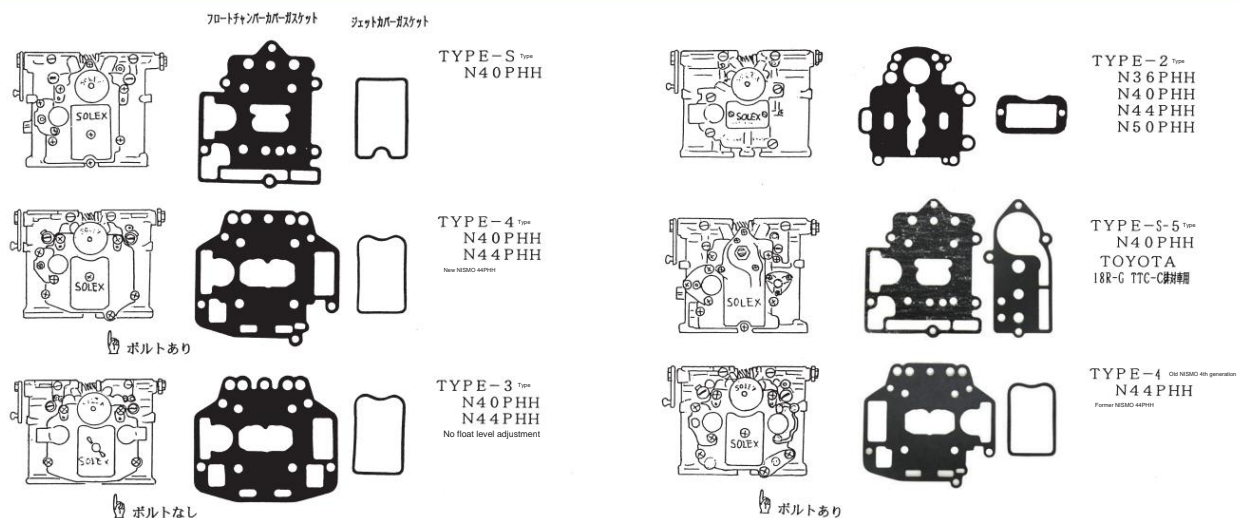


## MIKUNI SOLEX PHH Type List



## Carburetor basic settings

- Fuel pressure adjustment (SOLEX, WEBER) - Adjust the pressure of the fuel flowing from the fuel pump to the carburetor with a fuel regulator while watching the fuel pressure gauge.
  - "Fuel pressure at idling"
    - 4 cylinders...0.25 to 0.30kg/cm<sup>2</sup> (0.0247 to 0.0294MPa) 6 cylinders...0.30 to 0.35kg/cm<sup>2</sup> (0.0294 to 0.0343MPa)
    - "Fuel pressure at maximum RPM" It is desirable for the fuel pressure not to change even at high RPM. If the fuel pressure at high RPM is 0.05kg/cm<sup>2</sup> (0.049MPa) or more lower than the fuel pressure at idling, this may be due to insufficient discharge or poor piping, so a review is required.
- Oil Level Adjustment (SOLEX, WEBER) - With the jet block removed, idle the engine for about 15 seconds and measure and adjust the amount (height) of gasoline in the carburetor with an oil level gauge.
  - "Oil level height"

	Street, Zeroyon	Mountain pass,
•SOLEX 40 $\dot{y}$ 44 $\dot{y}$	19-20mm	Circuit 21-22mm
•SOLEX 50 $\dot{y}$	20.5 to 21.5 mm	22-23 mm
•WEBER 40, 45, 48, 50 $\dot{y}$	26-27mm	28 to 30 mm

## ③ Jet settings reference

SOLEX44 $\dot{y}$ 6 cylinder	Outer Venturi Needle Valve Main Jet Air Jet Pilot Jet Pump Nozzle
•2400cc	34 $\dot{y}$ 36 $\dot{y}$ 1.8 #150 $\dot{y}$ 170 #200 $\dot{y}$ 220 #55 $\dot{y}$ 57.5 #40
•2800cc	38 $\dot{y}$ 1.8 #170 $\dot{y}$ 190 #220 $\dot{y}$ 240 #55 $\dot{y}$ 57.5 #40 $\dot{y}$ 45
•3000 $\dot{y}$ 3100cc	40 $\dot{y}$ 2.0 #180 $\dot{y}$ 200 #230 $\dot{y}$ 250 #57.5 $\dot{y}$ 60 #45 $\dot{y}$ 50
SOLEX44 $\dot{y}$ 4 cylinder	Outer Venturi Needle Valve Main Jet Air Jet Pilot Jet Pump Nozzle
•1600 $\dot{y}$ 1800cc	36 $\dot{y}$ $\dot{y}$ 40 $\dot{y}$ 1.8 #160 $\dot{y}$ 190 #210 $\dot{y}$ 230 #55 $\dot{y}$ 57.5 #40
•2000 $\dot{y}$ 2200cc	38 $\dot{y}$ $\dot{y}$ 40 $\dot{y}$ 1.8 #180 $\dot{y}$ 200 #210 $\dot{y}$ 230 #55 $\dot{y}$ 57.5 #40 $\dot{y}$ 45
SOLEX50 $\dot{y}$ 6-cylinder	Outer venturi Needle valve Main jet Air jet Pilot jet Pump nozzle #40-45
•3000 $\dot{y}$ 3100cc 43 $\dot{y}$	2.0 #250-280 #200-230 #70-72.5
SOLEX50 $\dot{y}$ 4 cylinder	Outer Venturi Needle Valve Main Jet Air Jet Pilot Jet Pump Nozzle
•2000 $\dot{y}$ 2200cc 43 $\dot{y}$	1.8 #200 $\dot{y}$ 220 #160 $\dot{y}$ 180 #62.5 $\dot{y}$ 67.5 #40
WEBER 45 $\dot{y}$ 6-cylinder	Outer venturi needle valve main jet air jet slow jet pump nozzle
•2400cc	36 $\dot{y}$ 175 #145 $\dot{y}$ 165 #210 $\dot{y}$ 230 55F9/8/11 #4.0
•2800cc	38 $\dot{y}$ 200 #165 $\dot{y}$ 185 #220 $\dot{y}$ 240 55F9/8/11 #4.0
•3000 $\dot{y}$ 3100cc	40 $\dot{y}$ 200 to 225 #175 $\dot{y}$ 195 #220 $\dot{y}$ 240 60F9/8/11 #4.0 $\dot{y}$ 4.5
WEBER45 $\dot{y}$ 4 cylinder	Outer Venturi Needle Valve Main Jet Air Jet Pilot Jet Pump Nozzle
•1600 $\dot{y}$ 1800cc	36 $\dot{y}$ $\dot{y}$ 40 $\dot{y}$ 175 #155 $\dot{y}$ 175 #210 $\dot{y}$ 230 55F9/8/11 #4.0
•2000 $\dot{y}$ 2200cc	38 $\dot{y}$ $\dot{y}$ 40 $\dot{y}$ 175 $\dot{y}$ 200 #175 $\dot{y}$ 195 #210 $\dot{y}$ 230 55F9/8/11 #4.0 $\dot{y}$ 4.5

Notes: - The above data is for reference only. It will vary depending on engine specifications, driving purpose, temperature, air pressure, etc. - Set the jet after completing fuel pressure and oil level adjustments. - Changing the needle valve size will change the oil level. You will need to adjust the oil level again. - Needle valves are consumables. If the oil level becomes unstable, replace it with a new one. - Changing the outer venturi diameter will change the jet setting. Please set it again.