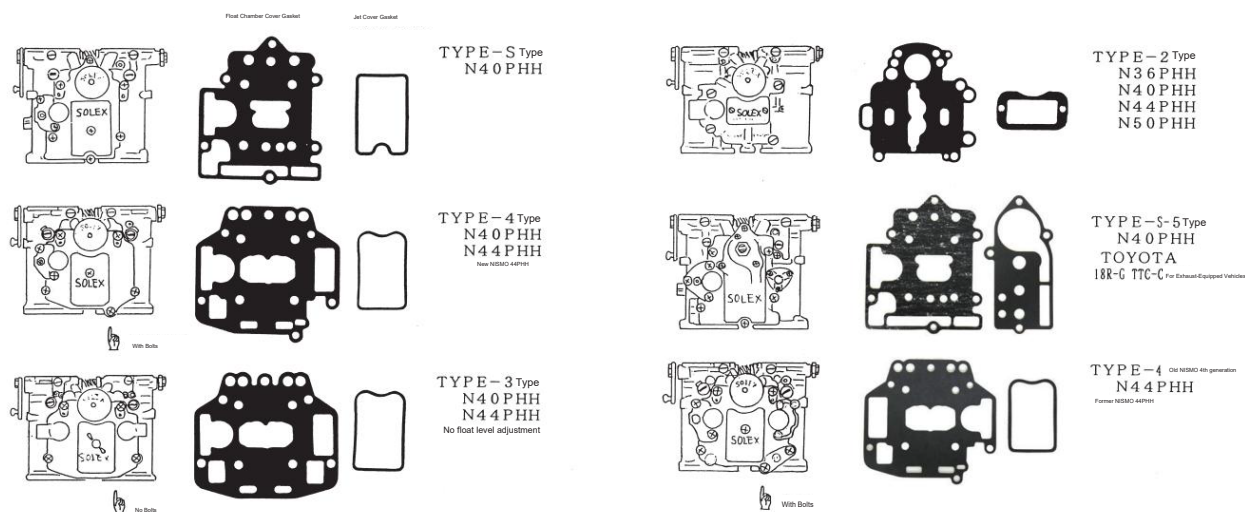


MIKUNI SOLEX PHH Type List



Carburetor basic settings

① 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 - 0.30kg/cm² (0.0247 to 0.0294MPa)

6 cylinders...0.30 - 0.35kg/cm² (0.0294 - 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/cm² (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.

② Fuel 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 fuel level gauge.

■ Fuel level height

	Street/Drag Race	Lap Race
•SOLEX 40φ44φ	19-20mm	21-22mm
•SOLEX 50φ	20.5 - 21.5 mm	22-23 mm
•WEBER 40, 45, 48, 50φ	26-27mm	28-30 mm

③ Jet settings reference

SOLEX44φ6 cylinder	Outer Venturi	Needle Valve	Main Jet	Air Jet	Pilot Jet	Pump Nozzle
•2400cc	34φ 36φ	1.8	#150-170	#200-220	#55-57.5	#40
•2800cc	38φ	1.8	#170-190	#220-240	#55-57.5	#40-45
•3000-3100cc	40φ	2.0	#180-200	#230-250	#57.5-60	#45-50
SOLEX44φ4 cylinder	Outer Venturi	Needle Valve	Main Jet	Air Jet	Pilot Jet	Pump Nozzle
•1600-1800cc	36φ-40φ	1.8	#160-190	#210-230	#55-57.5	#40
•2000-2200cc	38φ-40φ	1.8	#180-200	#210-230	#55-57.5	#40-45
SOLEX50φ6 cylinder	Outer venturi	Needle valve	Main jet	Air jet	Pilot jet	Pump nozzle
•3000-3100cc	43φ	2.0	#250-280	#200-230	#70-72.5	#40-45
SOLEX50φ4 cylinder	Outer Venturi	Needle Valve	Main Jet	Air Jet	Pilot Jet	Pump Nozzle
•2000-2200cc	43φ	1.8	#200-220	#160-180	#62.5-67.5	#40
WEBER 45φ6 cylinder	Outer Venturi	Needle Valve	Main Jet	Air Jet	Slow Jet	Pump Nozzle
•2400cc	36φ	175	#145-165	#210-230	55F9/8/11	#4.0
•2800cc	38φ	200	#165-185	#220-240	55F9/8/11	#4.0
•3000-3100cc	40φ	200-225	#175-195	#220-240	60F9/8/11	#4.0-4.5
WEBER45φ4 cylinder	Outer Venturi	Needle Valve	Main Jet	Air Jet	Pilot Jet	Pump Nozzle
•1600-1800cc	36φ-40φ	175	#155-175	#210-230	55F9/8/11	#4.0
•2000-2200cc	38φ-40φ	175-200	#175-195	#210-230	55F9/8/11	#4.0-4.5

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 fuel level adjustments.

- Changing the needle valve size will change the fuel level. You will need to adjust the fuel level again.

- Needle valves are consumables. If the fuel level becomes unstable, replace it with a new one.

- Changing the outer venturi diameter will change the jet setting. Please set it again.