

Service Info No. 108/21 New Mikuni Carburettor DG-800B + C

- Subject : New Mikuni Carburettor
- Effectivity DG-800B and 808C up to serial number 8-431
- Accomplishment : In case the existing carburettor shall be replaced due to a defect.
- Reason : The previous carburettor is no longer available. The name of the new carburettor (Mikuni BN38) does not change, the carburettor differs in a thinner Primer connection nipple and an elbow fuel supply nipple.
- Instructions : **Caution:** The conversion can't be carried out, if a DG-800B is still equipped with the old primer valve. In this case, the retrofit to the new primer according to TN800/41 instruction 4 and to working instruction No. 1 for TN800/41 has to be carried out as well.

To remove the old carburettor, loosen the throttle control wire and remove the two hoses to the primer and the fuel distributor. Loosen the two flange nuts on the carburettor, then you can remove the carburettor upwards.

Remove the flange seal.

Unscrew the throttle control lever (glued to part 8M291/1), therefore open and remove the nut together with the spring washer.

Unscrew and remove the air filter.

Remove the throttle control lever from the new carburettor and instead install the throttle control lever removed from the previous carburettor (secure the nut with Loctite 243).

Use new Schnorr lock washers.

Screw the new carburettor to the flange with the previous nuts and the Schnorr lock washers.

Remove the primer valve (therefore open the electric plug, remove the cable ties and loosen the fastening screw). Remove the rear part (8M309/1) and replace it with the new part (8M309/3, with a thinner nipple).

Mount the unit and secure it with cable ties, according to drawing 8M249.

Attach hose (3x1,5 FPM black, length 110 mm) to the primer and to the primer nipple at the carburettor. Secure the hose with hose clamps S70/4 (8).

Attach a new, longer hose for the fuel supply (ISO 7840-A1 inside dia. 6 mm, length 170mm) and secure with new hose clamps S70/6 (13/9).

Re-install the air filter.

Re-connect the throttle control wire and use a new nut M6 DIN985-8 zn.

Readjust the carburettor in a test run.

Check the throttle wire and the stops.

- Material : Installation plan 8EP209 version h or newer
Drawing 8M249 version d or newer
1 carburettor Mikuni BN38 (with a thinner primer connection nipple and elbow fuel supply nipple)
1 hose (3x1, 5 FPM black, length 110mm)
2 hose clamps S70/4 (8)
1 hose (ISO 7840-A1 inside dia. 6 mm, length 170 mm)
2 hose clamps S70/6 (13/9)
1 primer connection 8M309/3
2 Schnorr lock washers VS8 ZN
1 carburettor flange seal for SOLO-aircraft engine (Art.no. 60500148)
1 nut M6 DIN985-8 zn

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