

TECHNICAL INFO

Basic information:

Difficulties with carburetor tuning

Experience in the market has shown that, under certain external conditions, it may be difficult to find an optimal carburetor setting for all driving ranges for the models listed above.

We would therefore like to provide an alternative carburetor setting for these models.

Note:

As part of this problem there have also been increased reports of membrane plates not closing completely on 2-stroke rubber boot cases.

We would like to point out that this is not a fault and that this gap will not impair the response or performance of the engine.

For this reason we are no longer accepting rubber boot cases with a gap under warranty or as a gesture of goodwill.

Repair/modification procedure:

We shall not provide a description of general workshop methods. Likewise, safety rules that apply in a workshop are not specified here. It is assumed that the repair work will be performed by a fully trained mechanic with completed training or a corresponding qualification. In the event of uncertainty, the most recent repair manual should be consulted.

Changing to an alternative carburetor setting:

Order the alternative jetting kit, article number **554.31.001.733**

This contains the following individual items:

- Needle jet S-4
- Idling jet 22.5
- Idling jet 25
- Idling jet 27.5
- Nozzle needle 6BFY 42-75
- Nozzle needle 6BFY 43-75

As a basic setting, we recommend adjusting the jetting to the respective temperature and sea level according to the table below.

In addition to setting the jetting (needle and idling jet), the needle jet must also be changed. This is described in the repair manual.

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Jetting table for 250 & 300 EXC, EXC Sixdays, XC-W, XC-W Sixdays and 300 XC, and for all model year 2017 models

MIKUNI TMX 38				
M/FT ASL	TEMP	6°C ... 15°C	16°C ... 24°C	25°C ... 36°C
		42°F ... 60°F	61°F ... 78°F	79°F ... 98°F
2300 m 7500 ft ↑ 1501 m 5001 ft	ASO IJ NDL POS MJ	2.5 25 43-75 2 430	1.5 25 42-75 2 440	2 25 42-75 2 430
1500 m 5000 ft ↑ 751 m 2501 ft	ASO IJ NDL POS MJ	2 25 43-75 2 440	2.5 25 43-75 2 440	1.5 25 42-75 2 440
750 m 2500 ft ↑ 301 m 1001 ft	ASO IJ NDL POS MJ	1.5 25 43-75 2 450	1.5 25 43-75 2 450	2.5 25 43-75 2 440
300 m 1000 ft ↑ 0 m 0 ft	ASO IJ NDL POS MJ	2 27.5 43-75 2 460	1.5 25 43-75 2 460	2 25 43-75 2 450

M/FT ASL Sea level
 TEMP Temperature
 ASO Idle air adjusting screw open
 IJ Idling jet
 NDL Needle
 POS Needle position from top
 MJ Main jet

Needle jet: **S-4**
Needle type: 6BFY xx-xx

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As a further measure, the carburettor can also be fitted at a slight angle (see illustration 1) in order to improve the overflow properties and thus indirectly, the fuel consumption.

The slanted position of the carburetor should be approximately 7° to the right to achieve this slanted position, approximately 3 mm should be removed from the right-hand retaining catch of the carburetor connection boot (see illustration 2).

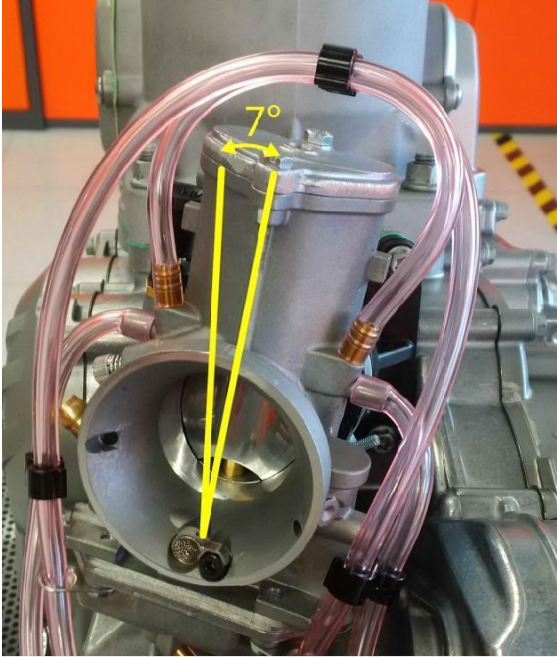


Illustration 1

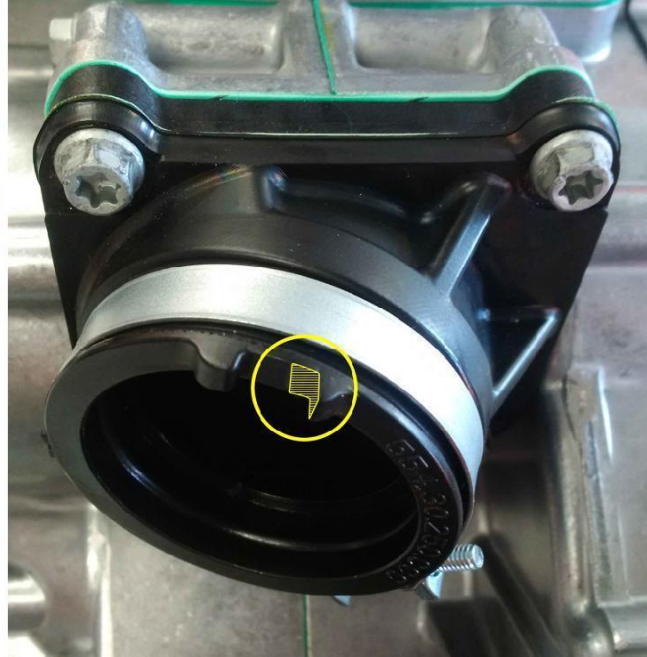


illustration 2