

BRP-Rotax MAINTENANCE MANUAL HEAVY

Step	Procedure
14	Place tensioner spring (16) over the idle adjustment screw (17) and thread into carburetor body.
15	Place idle air regulating screw (18) with new O-ring (19) into carburetor body.
16	Turn air screw clockwise until it stops but do not tighten. Now turn the screw counter clockwise 1.5 rotations. NOTE <i>The rubber O-ring will hold the adjustment screw in place.</i>

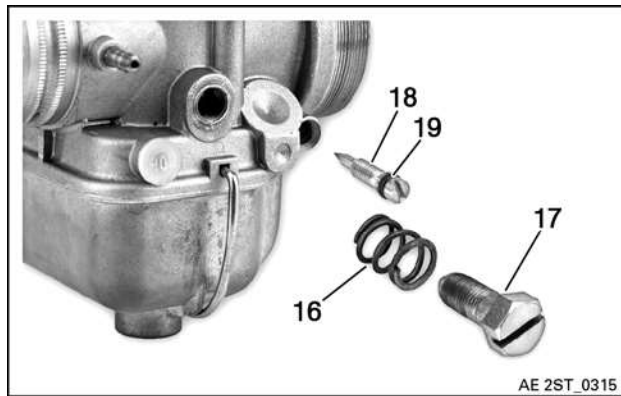


Figure 7.31

- 16 Tensioner spring 17 Idle screw
18 Air screw 19 O-ring

Step	Procedure
17	Press clip (20) over jet needle (21) in the same clip position as recorded.
18	Place O-ring (22) on needle jet and place assembled needle jet into carburetor piston (23). The needle clip must be oriented as depicted (24).



For default jet needle clip position as well as adjustments for altitude etc., see Maintenance Manual Line for engine type 582 mod. 99 / mod. 17.

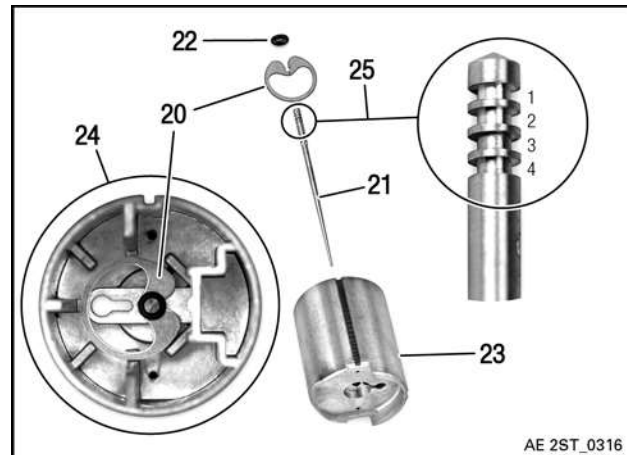


Figure 7.32

- 20 Clip 21 Jet needle
22 O-Ring 23 Carburetor piston
24 Clip orientation 25 Needle position

NOTE

Ensure that the jet needle seats within the needle jet.
For attachment of throttle cable, see section Carburetor Installation.

Step	Procedure
19	Set piston into carburetor body, aligning the piston slot (26) with key (27).

CARBURETOR

CLEAN CARBURETOR AND CHECK FOR WEAR

- Stop engine at raised speed and verify float level
- Inspect carburetor assy. for leakage
- Check float valve for easy operation
- Inspect clip of jet needle for wear
- Inspect sieve sleeve
- Clean the carburetor with fuel as required

REPLACE JET NEEDLE AND NEEDLE JET



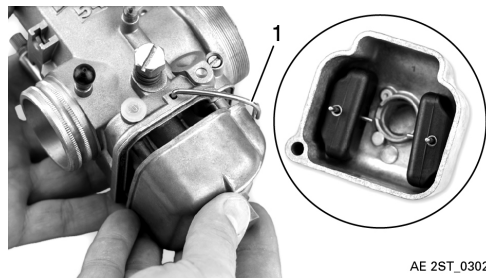
The needle jet and jet needle must only be exchanged by a mechanic with experience on two-stroke engines and in accordance with the relevant Maintenance Manual Heavy.

FLOAT LEVEL CHECK AND FLOAT WEIGHT

NOTE

It may be necessary to pry the clip using a flat blade screwdriver.

Step	Procedure
1	Slide float bowl spring clip (1) to the side and remove float bowl along with floats.



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Figure 7.6

1 Spring clip

Check of weight of the floats

The weight inspection shows whether the affected floats have absorbed fuel. This is only significant if the floats already had contact with fuel.

NOTE

This check is not relevant for new spare parts, that were not in contact with fuel.

BRP-Rotax
ILLUSTRATED PARTS CATALOG

Carburetor calibration sheet:

582 UL DCDI		
Version	mod. 99 / mod. 17	
Version	Standard	
with intake silencer	YES	NO
Part no. BING no.	887838	887834
BING no.	54/36/2101	54/36/2103
Location	—	—
Main jet	HD 145	HD 165
Idle jet	LD 55	LD 55
Needle jet	ND 2.68	ND 2.72
Jet needle	DN 15K2	DN 11G2
Needle position	NP 3	NP 3
Cold start jet	SD 150	SD 150
Idle air adjusting screw	LS 1	LS 1
Float needle valve	NS 1.5	NS 1.5
Starting bore	SB 2.0	