



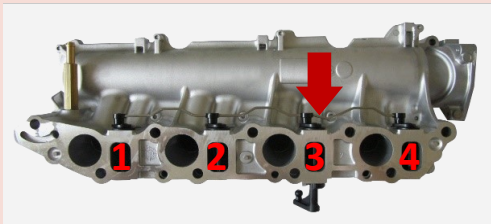
## Installation Instruction - intake manifold swirl flap rod for Opel, Fiat and Alfa Romeo



### Safety note

- Allow the engine to cool down beforehand to prevent possible burns.
- Disconnect the battery - (Please follow the manufacturer's operating instructions)
- Take protective measures (e.g. eye protection)

1. Remove the motor cover.
2. Now you can see the swirl flaps in the recess below the glow plugs. The rods could already lie loosely next to it.
3. Disconnect the 4 glow plug connectors. Please take care not to pull on the cable and remember the corresponding position (mark it if necessary).
4. Remove the rod and mark it on the upper left side.
5. Before installing the new rod, clean the area around the swirl flaps. Then turn the ball joint heads to the same position as the 3rd swirl flap from the left (see illustration). This is where the servomotor is mounted.
6. Now place the rod assembly loosely on the ball joint heads and press it carefully from left to right onto the swirl flaps.



**Manifold swirl flap rod**  
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7. Plug in the 4 glow plug connectors on the corresponding plugs.
8. Check again that everything has been mounted correctly and do not leave any tools in the engine compartment.
9. Control the swirl flaps with the tester and check the function.
10. Mount the engine cover.
11. Reset the basic settings, delete the errors and then carry out a test drive.



**Hint:** Check the filling level of the diesel particulate filter and the necessity of a possible oil change or diesel particulate filter change.