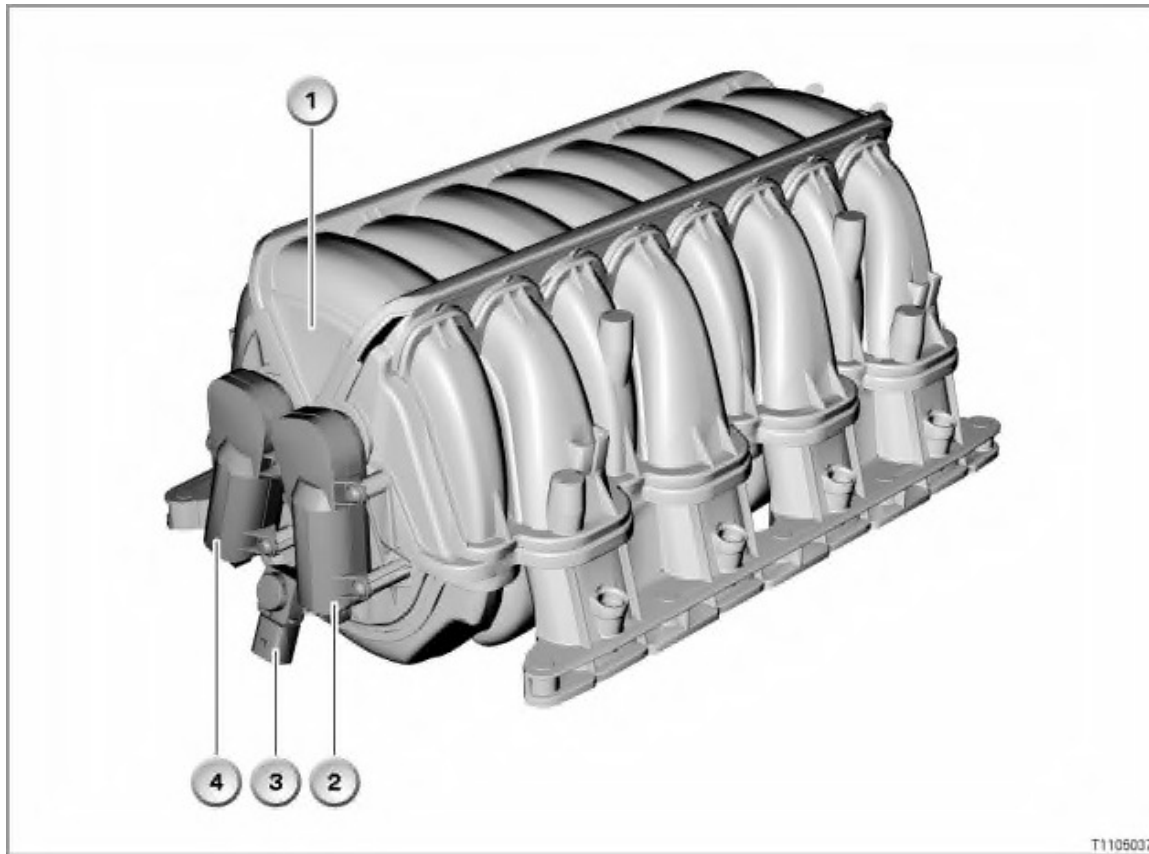


Construction

The N62TU has a 2-stage differentiated air intake system. This needs 2 DISA servomotors. Each DISA servomotor drives the sliding sleeves for one cylinder bank. Together with the DISA servomotors, the intake pipe pressure sensor forms a single component.

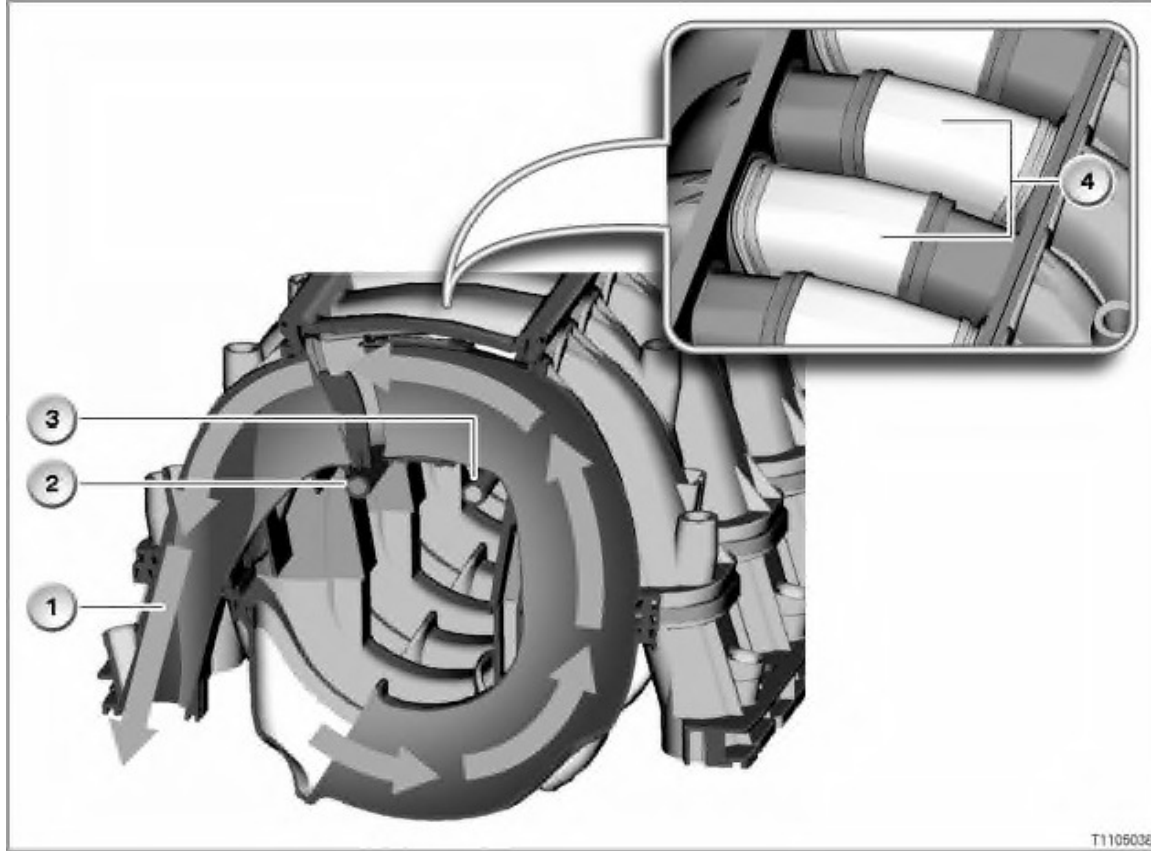


Item	Description	Item	Description
1	Differentiated air intake system	2	DISA servomotor
3	Inlet pipe pressure sensor	4	DISA servomotor 2

How it works

This enclosure includes a graphic representation of the system function (see "System functions" for description).

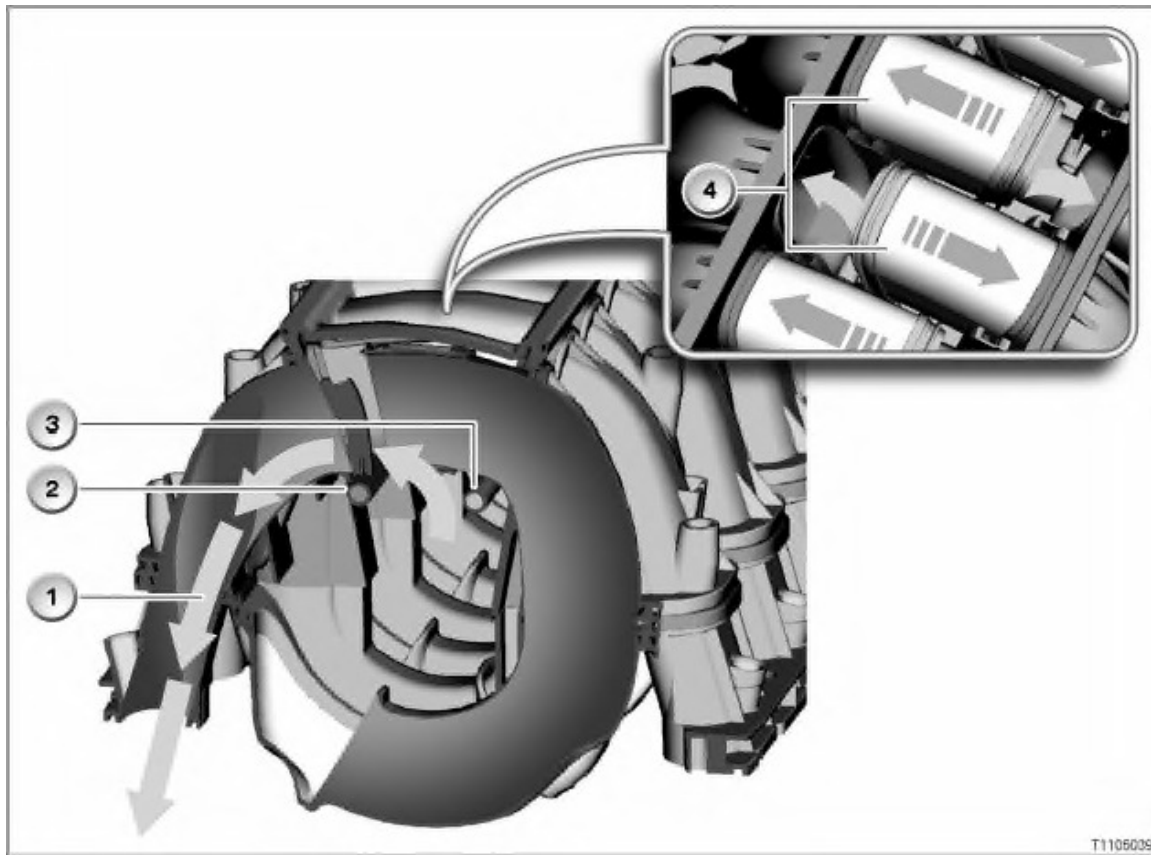
Long intake passage: sliding sleeves closed



T1105038

Item	Description	Item	Description
1	Long intake passage	2	DISA servomotor linkage
3	DISA servomotor 2 linkage	4	Closed sliding sleeves

Short intake passage: sliding sleeves open



T1105039

Item	Description	Item	Description
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1	Short intake passage	2	DISA servomotor linkage
3	DISA servomotor 2 linkage	4	Open sliding sleeves

The DME control unit actuates the DISA servomotors with a pulse-width-modulated signal (5 % with sliding sleeves open).

The DISA servomotors do not give position feedback. The sliding sleeves can be visually inspected when the throttle valve is open.