

ENGINE	900.9 in MODEL 970, 972, 975, 976 with CODE (MS4) BlueTec 4
ENGINE	900.9 in MODEL 970, 972, 975, 976 with CODE (MS5) BlueTec 5
ENGINE	902.9 in MODEL 970, 972, 974, 975, 976 with CODE (MS4) BlueTec 4
ENGINE	902.9 in MODEL 970, 972, 974, 975, 976 with CODE (MS5) BlueTec 5
ENGINE	924.9 in MODEL 970, 972, 974 with CODE (MS4) BlueTec 4
ENGINE	924.9 in MODEL 970, 972, 974 with CODE (MS5) BlueTec 5
ENGINE	902.9 in MODEL 950.5 /6, 952.5 /6, 953.6, 954.5, 957 with CODE (MS4) BlueTec 4
ENGINE	902.9 in MODEL 950.5 /6, 952.5 /6, 953.6, 954.5, 957 with CODE (MS5) BlueTec 5
ENGINE	926.9 in MODEL 950.5 /6, 952.5 /6, 953.6, 954.5, 957 with CODE (MS4) BlueTec 4
ENGINE	926.9 in MODEL 950.5 /6, 952.5 /6, 953.6, 954.5, 957 with CODE (MS5) BlueTec 5

Location

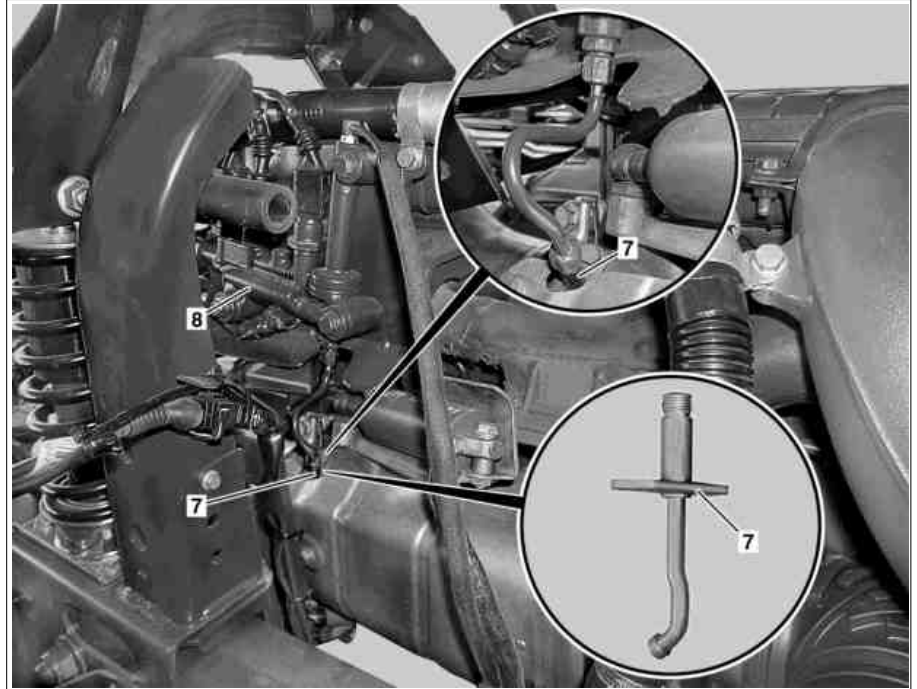
Illustrated on model 950.5

- 7 Injection nozzle
- 8 Metering device

The injection nozzle (7) is installed in the engine brake flap fitting from the outside.

Task

The injection nozzle (7) is used to inject the AdBlue flowing issued by the metering device (8) as evenly as possible into the exhaust gas stream.



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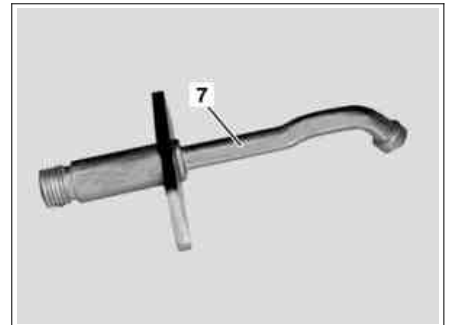
Design

The injection nozzle (7) is made of aluminum. It is fitted with a flange, with which it is bolted onto the engine brake flap fitting from the outside. The nozzle head thus points in the direction of the flow. The outlet hole of the nozzle head has a diameter of 1.5 mm.

Function

The AdBlue issued by the metering device flows through the injection nozzle (7) and is injected straight into the hot exhaust gas stream via its nozzle head in the engine brake flap fitting.

The AdBlue requires a certain amount of time in the exhaust gas stream to complete the chemical conversion of AdBlue to ammonia (NH_3). For this reason, it is injected at a precisely defined distance upstream of the muffler with reduction catalytic converter.



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