Turbo (VTG)

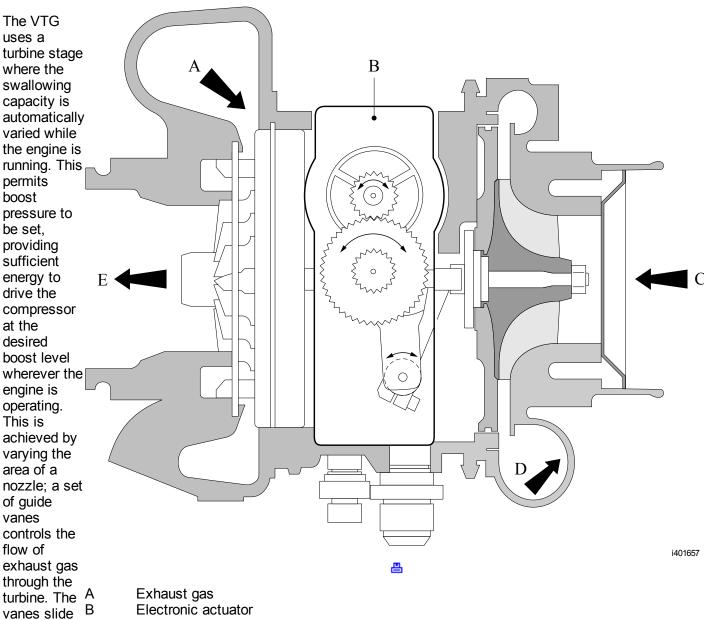
axially. The C

nozzle ring alters the aperture through which the exhaust gases flow onto the turbine wheel. This alteration in the geometry

sliding

of the turbocharger increases the boost as the nozzle is closed down.

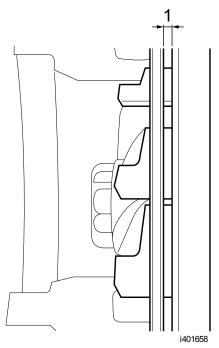
D



Exhaust gas
Electronic actuator
Inlet air
Boost air outlet
Exhaust gas outlet

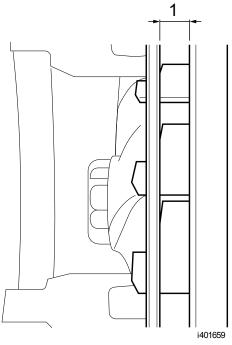
Reducing the aperture increases exhaust manifold pressure and increases the turbocharger speed. As the nozzle ring opens up, the exhaust pressure and the turbocharger boost decrease.

A watercooled and automatically calibrated electric motor actuator (B) is fitted onto the VTG for precision operation.

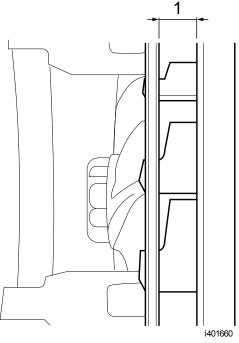




- * Minimum turbine exit area (1)
- * Maximum exhaust manifold pressure
- Maximum shaft speed
- * Maximum boost pressure



- <u>-</u>
- * Increasing turbine exit area (1)
- * Reducing exhaust manifold pressure
- * Reducing shaft speed
- * Reducing boost pressure



- 凸
- * Maximum turbine exit area (1)
- * Minimum exhaust manifold pressure
- * Minimum shaft speed
- * Minimum boost pressure

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information provided with respect to vehicles and/or components of another series, with another chassis number, and/or of another date. (/)