

DYNAMIC PRESSURE TURBO [SKYACTIV-G 2.5T]

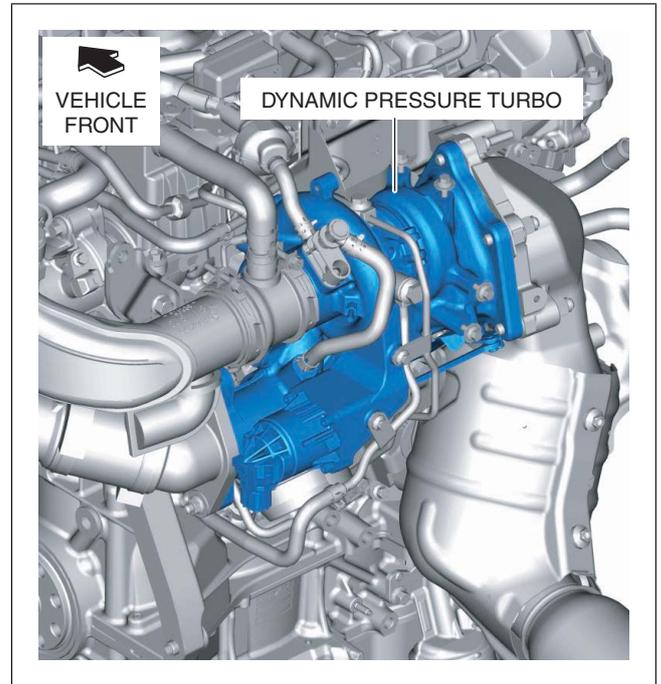
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Purpose, Function

- The dynamic pressure turbo uses the pressure of the exhaust gas to supply boosted intake air to the combustion chamber.

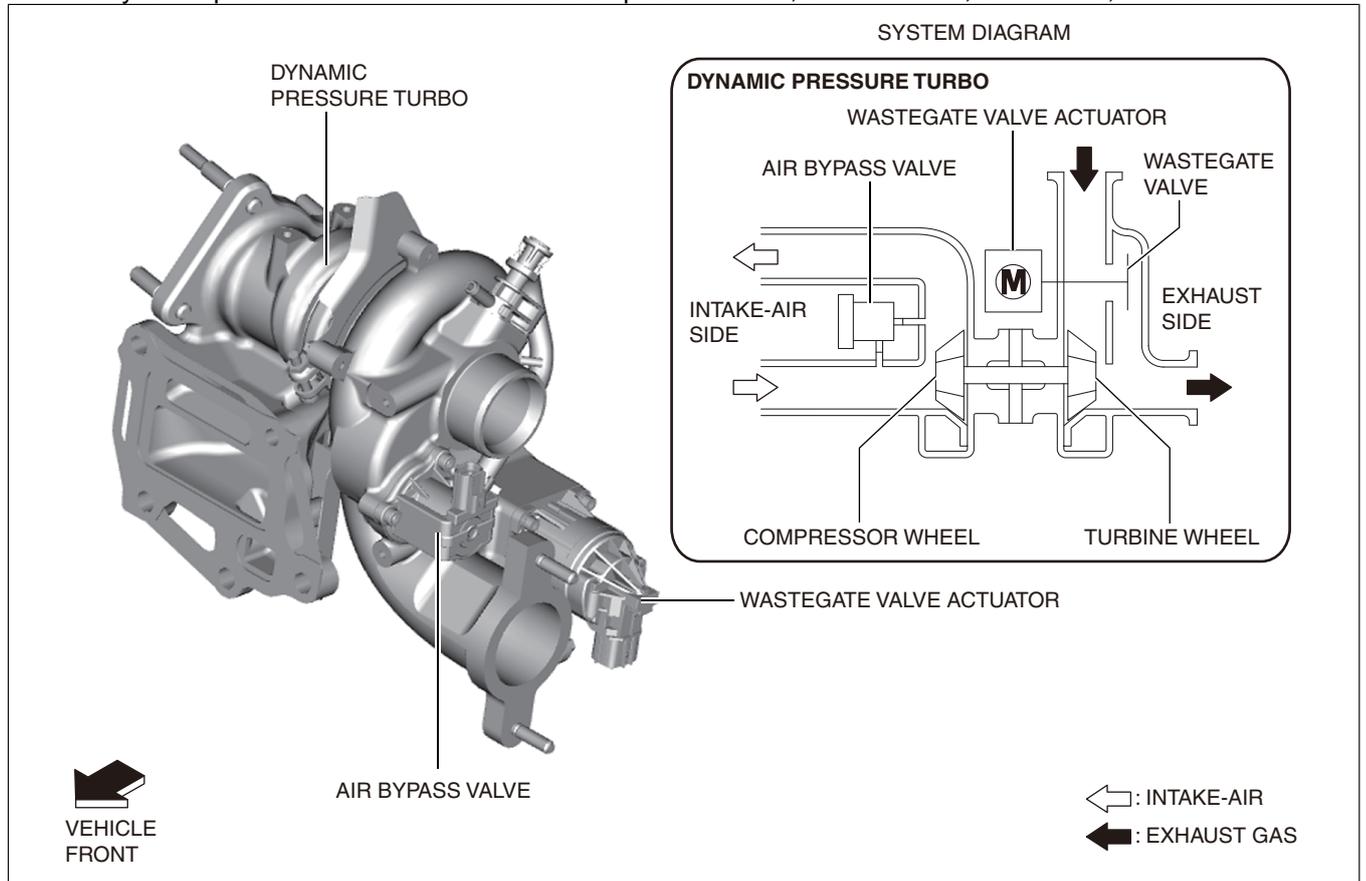
Construction

- The dynamic pressure turbo is located at the rear of the engine compartment.



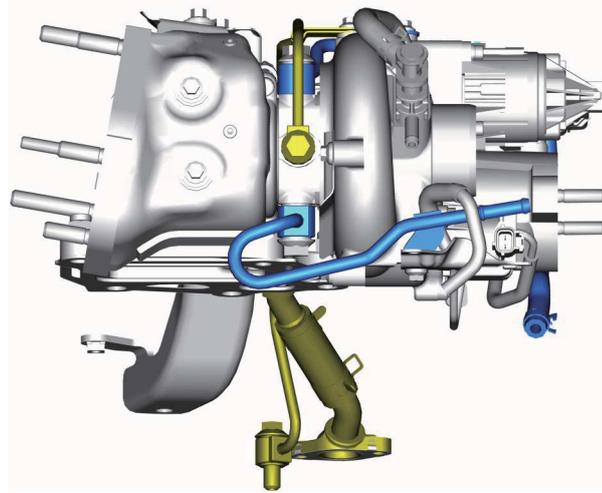
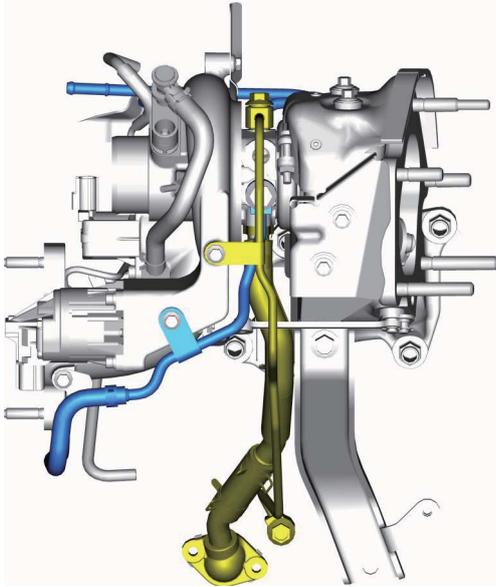
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- The dynamic pressure turbo consists of the compressor wheel, turbine wheel, each valve, and each actuator.



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- An engine coolant pipe and engine oil pipe have been equipped to prevent burning of the dynamic pressure turbo and to ensure reliability of the parts.



BLUE: COOLANT PIPE
YELLOW: OIL PIPE

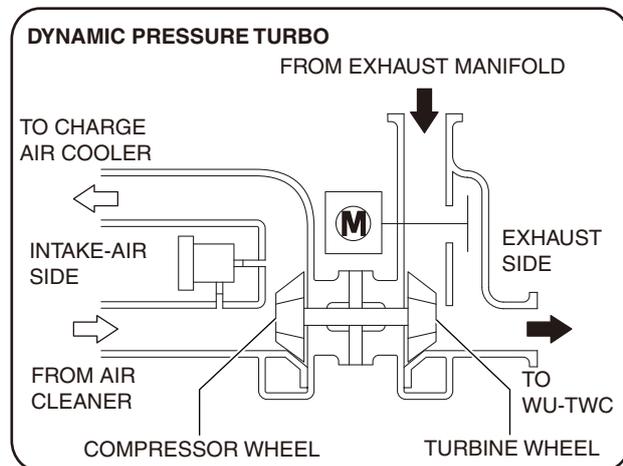
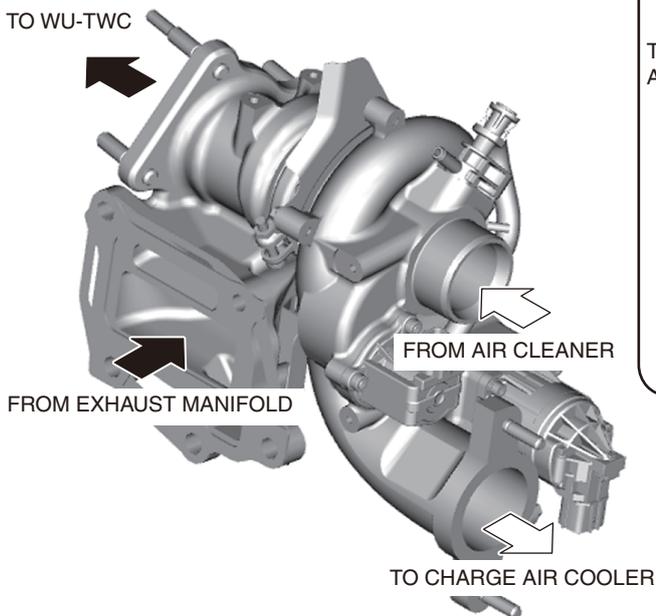
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- For details on the wastegate valve, refer to the INTAKE AIR SYSTEM. (See WASTEGATE VALVE [SKYACTIV-G 2.5T].)
- For details on the air bypass valve, refer to the INTAKE AIR SYSTEM. (See AIR BYPASS VALVE [SKYACTIV-G 2.5T].)

Operation

- With the dynamic pressure turbo, the compressor wheel, which is located on the same shaft as the turbine wheel, is rotated by the exhaust gas passing the turbine wheel, and the intake air is boosted.

SYSTEM DIAGRAM



VEHICLE FRONT

←: INTAKE-AIR
→: EXHAUST GAS

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