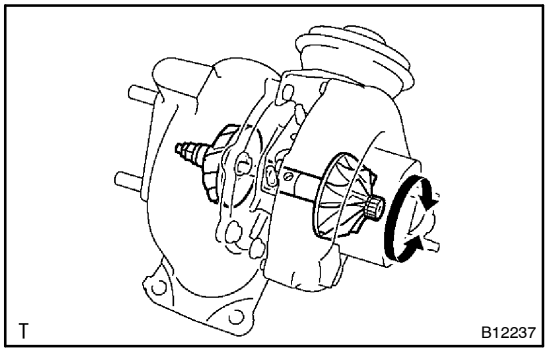
TC03V–01

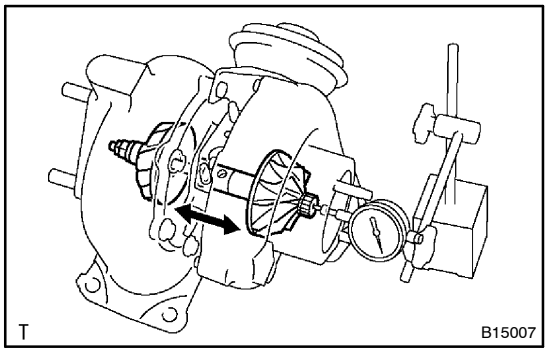
INSPECTION



1. INSPECT IMPELLER WHEEL ROTATION

Grasp the edge of the turbine wheel and turn it. Check that the impeller wheel turns smoothly.

If the impeller wheel does not turn or if it turns with a heavy drag, replace the turbocharger assembly.

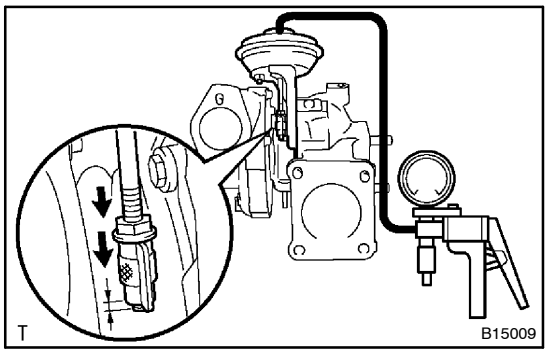


2. INSPECT AXIAL PLAY OF TURBINE SHAFT

Insert a dial indicator into the exhaust side hold the turbine wheel edge by hand, and check the axial play.

Maximum oil clearance: 0.083 mm (0.00327 in.) or less

If the axial play is not as specified, replace the turbocharger assembly.



3. INSPECT ACTUATOR OPERATION

(a) Apply vacuum (66 kPa, 500 mmHg, 20 in.Hg) and raise the actuator push rod.

(b) Lower the vacuum and check the stroke when the vacuum is at the following values.

Standard stroke:

50.7 kPa (375 mmHg, 15 in.Hg): 0.2 mm (0.008 in.)

26.6 kPa (200 mmHg, 8 in.Hg): 5.0 mm (0.197 in.)

If operation is not as specified, replace the turbocharger.