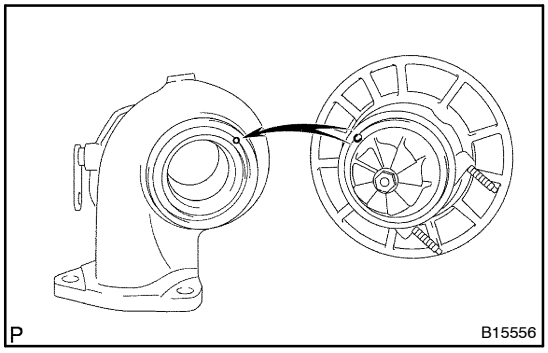
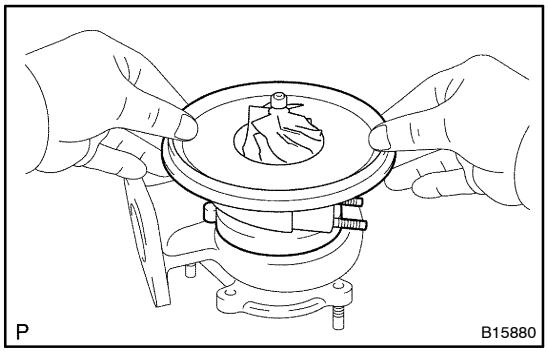
TC04B–02

REASSEMBLY

1. INSTALL TURBINE HOUSING



(a) Align the pin of the turbine housing with the pin hole of the bearing housing.

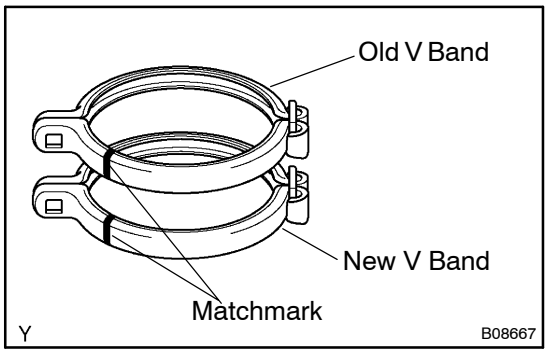


(b) Install the bearing housing to the turbine housing.

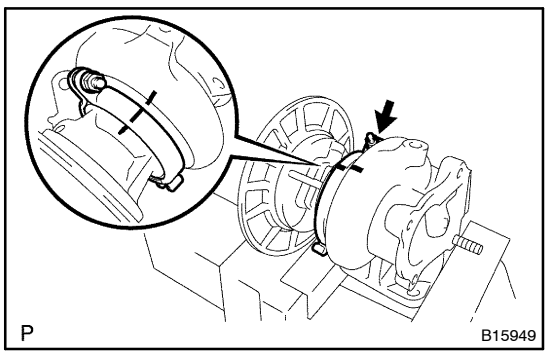
NOTICE:

Install the bearing housing straight, and be careful not to damage the turbine wheel.

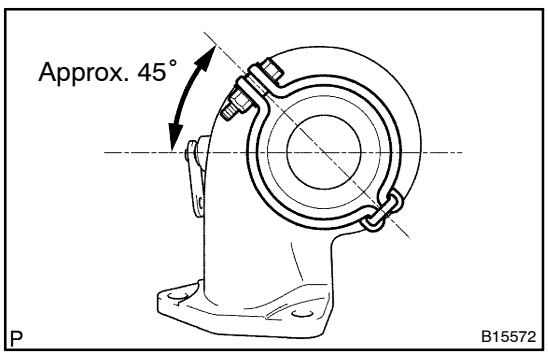
2. INSTALL V BAND



(a) Place a new and old (used) V bands in line, then reprint the matchmark position on the old V band to the new one.



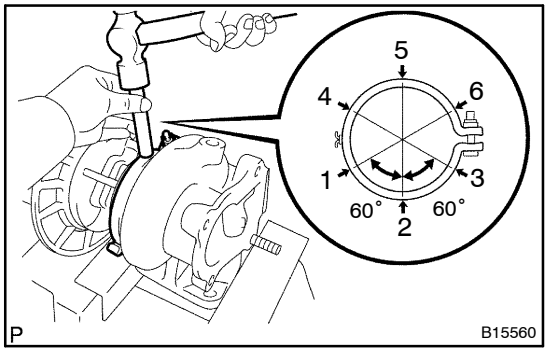
(b) Align the matchmarks on the new V band, turbine housing and bearing housing, and temporarily install a new bolt and nut.



HINT:

If the matchmarks erased, install the V band as shown in the illustration.

(c) Tighten the V band nut lightly.



(d) Using a brass bar and hammer, hit the V band for 2 or 3 times lightly at each place in the order of 1 through 6 as shown in the illustration.

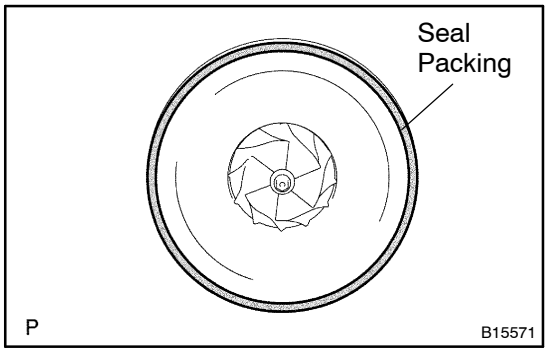
(e) Tighten the nut with the specified torque.

Torque:Torque: 5.0 N·m (51 kgf·cm, 44 in.·lbf)

(f) Using a brass bar and hammer, hit the V band for 2 or 3 times lightly at each place in the order of 1 through 6 as shown ih the illustration.

(g) Tighten the nut completely.

Torque:Torque: 5.0 N·m (51 kgf·cm, 44 in.·lbf)



3. INSTALL COMPRESSOR HOUSING

(a) In case of reusing the compressor housing and bearing housing:

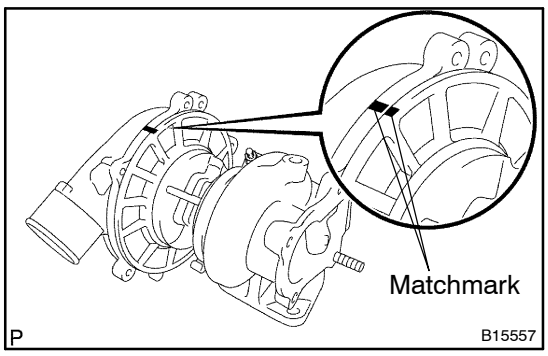
(1) Apply seal packing to the bearing housing, as shown in the illustration.

Seal packing: Part No. 08826–00080 or equivalent seal packing applying width:
1.2 – 1.6 mm (0.047 – 0.063 in.)

NOTICE:

Avoid applying an excessive amount to the surface.

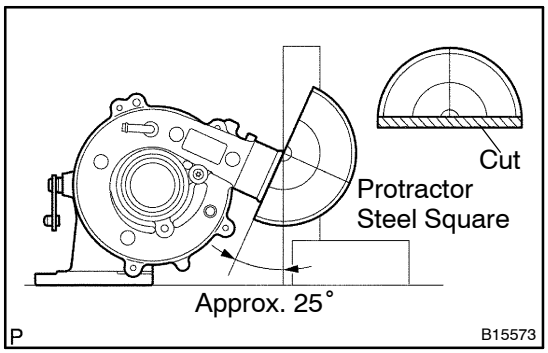
- Install a nozzle that has a cut of a 1.6 mm (0.063 in.) opening.
- Parts must be assembled within 5 minutes after the application. Otherwise, the material must be removed and reapplied.
- Immediately remove nozzle from the tube and reinstall cap.



(2) Align the matchmarks on the compressor housing and bearing housing, and install them.

NOTICE:

- **Do not interfere the impeller wheel with the compressor housing.**
- **Check that the turbine shaft turns smoothly.**



(3) Using a steel square and protractor, check the installation angle as shown in the illustration.

(4) Install the 5 bolts.

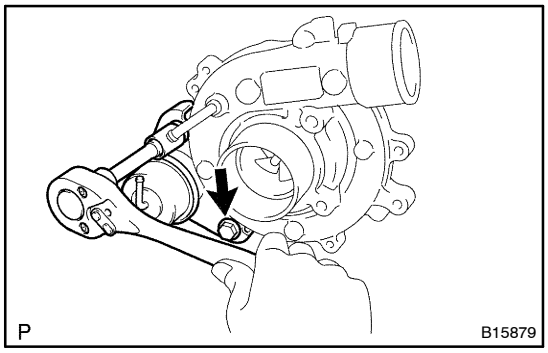
Torque:Torque: 5.2 N·m (53 kgf·cm, 46 in.·lbf)

(b) In case of using a new compressor housing and/or bearing housing:

(1) Temporally install the compressor housing on the bearing housing as shown in the illustration.

(2) place matchmarks on the compressor housing and bearing housing.

(3) Remove the compressor housing.
(4) Reinstall the compressor housing according to the step (a).



4. INSTALL ACTUATOR AND LINK

(a) Using SST, apply pressure to the actuator.
SST 09992–00242

NOTICE:

Never apply more than 147 kPa (1.50 kgf/cm^2, 21.2 psi) of pressure to the actuator.

(b) Install the actuator with the 2 bolts and E–ring.
Torque:Torque: 8.0 N·m (82 kgf·cm, 71 in.·lbf)
(c) Remove SST.
(d) Connect the actuator hose.