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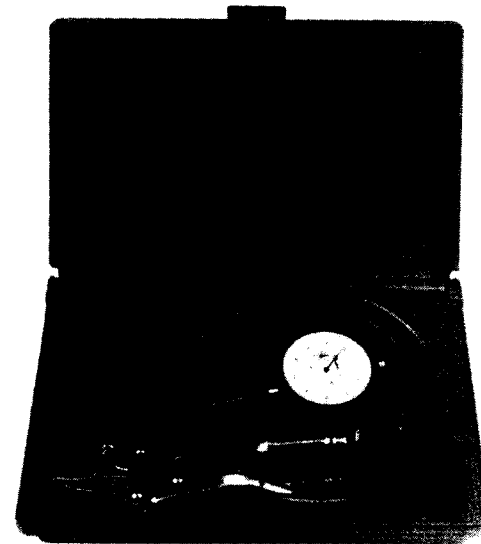
4 Models -
English & Metric

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 **Central**[®] Tools, Inc.
456 Wellington Avenue
Cranston, Rhode Island 02910

 **Central**[®]

**No. 6464 Inch
No. 6465 Metric
TURBOCHARGER GAGE SET**



 **Central**[®] Tools, Inc.
Cranston, Rhode Island 02910

CHECKING RADIAL BEARING CLEARANCE

Set up dial indicator with flex arm and clamping pliers so that indicator offset contact extends through oil outlet hole and contacts the turbine wheel shaft.

1. Manually apply pressure to both the compressor and turbine wheels to move shaft away from the indicator.
2. Set dial indicator so zero on dial aligns with indicating hand.
3. Apply pressure to turbine and compressor wheel in opposite direction (towards dial indicator). Note the maximum radial play as shown on the dial.
4. Make certain that reading is the maximum obtainable. This can be verified by rotating wheel slightly in each direction while applying pressure toward dial indicator.
5. Apply pressure once more away from dial indicator (as in step 1). Indicator should read zero.
6. Now apply pressure once more toward dial indicator (as in step 3). The reading should be the same as previously obtained, verifying the maximum radial play.

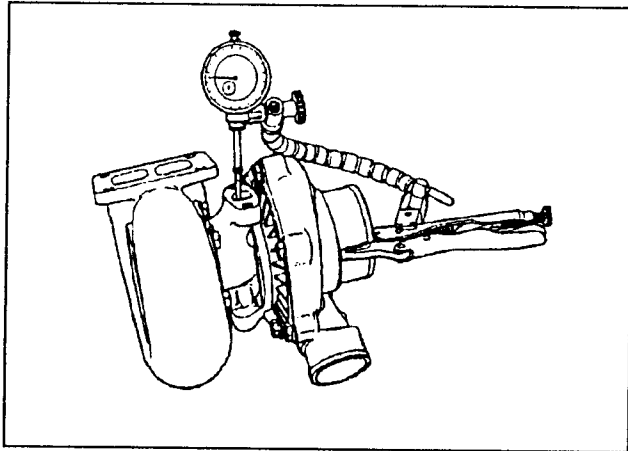


FIGURE 1

CHECKING BEARING TO SHAFT END PLAY

Set up indicator with flex arm and clamping pliers as shown in Figure 2.

1. Move compressor and turbine wheel assembly toward dial indicator and set indicator dial so zero aligns with indicating hand.
2. Move assembly in opposite direction (away from dial indicator) and note reading which shows the maximum end play.
3. Repeat steps 1 and 2 to verify that maximum end play reading has been obtained.
4. Consult turbocharger manufacturer's manual for minimum and maximum end play specifications.

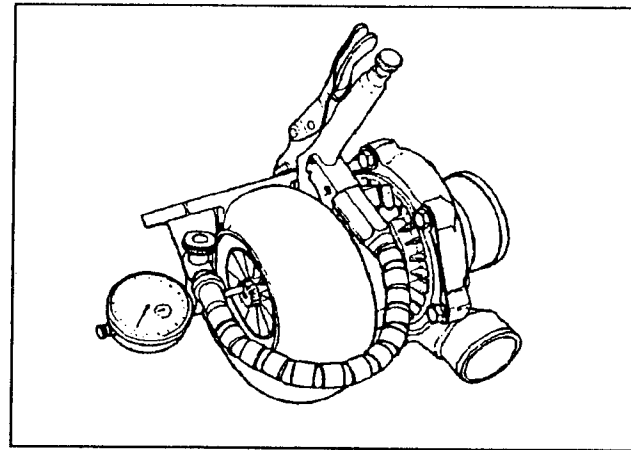


FIGURE 2

COMPONENTS

Dial Indicator	4344	Offset Contact	4388
Flex-arm	4333	Fitted Case	4526
Clamping Pliers	4334	Dial Indicator Metric	4392