► TASK Inspect crankshaft for straightness, journal damage, keyway damage, thrust flange and sealing surface condition, and visual surface cracks; check oil passage condition; measure end play and journal wear: check crankshaft position sensor reluctor ring (where applicable); determine needed action.

Time off__ Time on_ Total time_

CDX Tasksheet Number: C728

- Research the procedure and specifications for inspecting the crankshaft and related parts in the appropriate service information.
- 2. Following the specified procedure, measure the crankshaft run-out (straightness).

__ in/mm

b. Measurement: _____ _____ in/mm

3. Following the specified procedure, visually inspect the following for damage, wear, or cracks. List your observations.

a. Crankshaft main bearing journals: Worn ____ Damaged _ Cracks ____ OK ___ (Check any that apply) Comments:

b. Crankshaft rod bearing journals: Worn ____ Damaged _ Cracks ____ OK ___ (Check any that apply) Comments:

c. Crankshaft keyway: Worn ____ Damaged ____ Cracks ____ OK __ (Check any that apply) Comments:

d. Thrust flange: Worn ____ Damaged ____ Cracks ___ OK ___ (Check any that apply) Comments:

e. Rear main bearing sealing surface: Worn _____ Damaged ___ Cracks ____ OK ___ (Check any that apply) Comments:

f.	Oil passages: Worn Damaged Cracks OK (Check any that apply) Comments:
g.	Crankshaft position sensor reluctor ring: Worn Damaged
	Cracks OK (Check any that apply) Comments:

4. Following the specified procedure, measure the crankshaft main bearing journals. List your measurements in the table below.

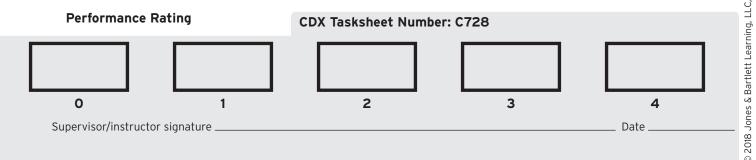
Journal	Specs	#1	#2	#3	#4	#5	#6
Diameter (in/mm)							
Out-of-round (in/mm)							
Taper (in/mm)							

5. Following the specified procedure, measure the crankshaft connecting rod journals. List your measurements in the table below.

Journal	Specs	#1	#2	#3	#4	#5	#6	#7	#8
Diameter (in/mm)									
Out-of-round (in/mm)									
Taper (in/mm)									

6. Determine any necessary action(s):

7. Have your supervisor/instructor verify satisfactory completion of this procedure, any observations found, and any necessary action(s) recommended.



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