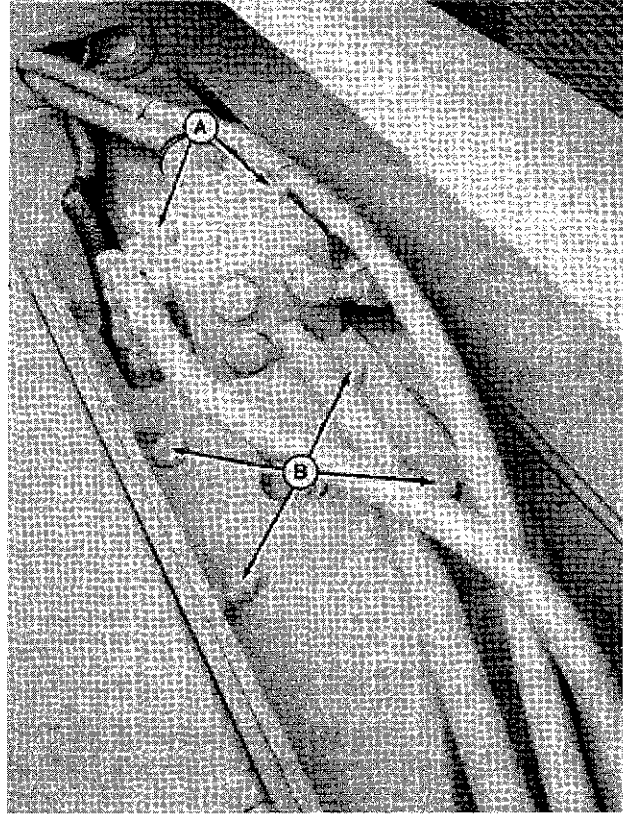


REMOVE GEAR CASE

1. Remove two cap screws and lock nuts and remove slip clutch and driveshaft.
2. Remove two cap screws (A) from tension valve.
3. Rotate tension valve and remove four cap screws (B) securing gear case.
4. Slide gear case to the right and remove.
5. Identify the type of gear case removed:
Superior - Two piece housing, cast aluminum
Comer - One piece housing, cast iron
6. If the coupler does not slide off roll drive shaft with the gear case, remove it.

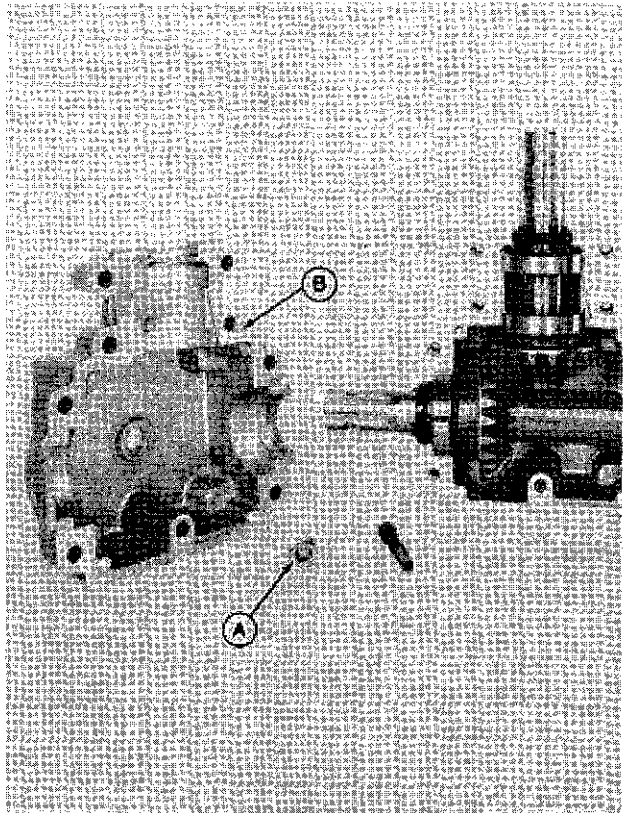


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EX,1472,2025,D -19-11MAR93

DISASSEMBLE SUPERIOR GEAR CASE (ALUMINUM CASE)

1. Remove drain plug (A) from gear case and drain oil.
2. Remove nine 3/8 in. socket-head bolts. Tap with plastic or wood hammer to break seal. Remove top half of gear case (B).

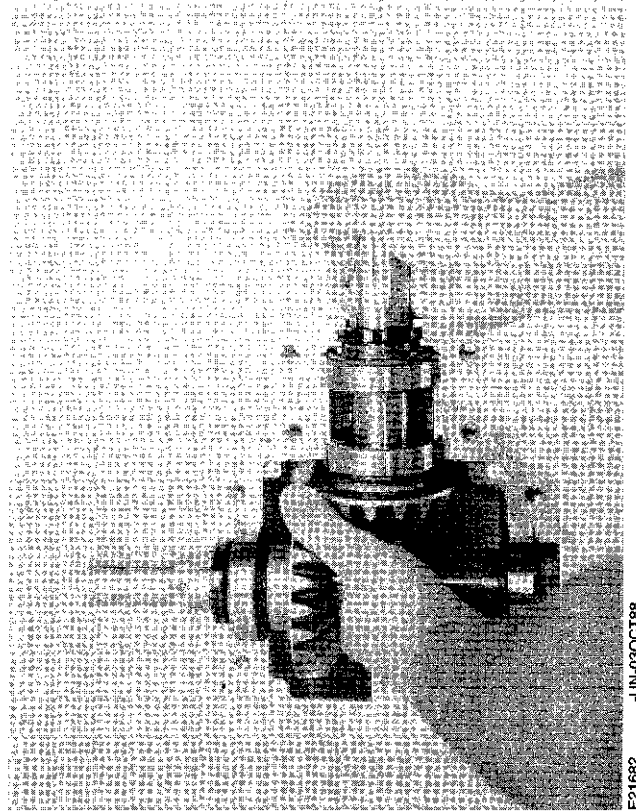


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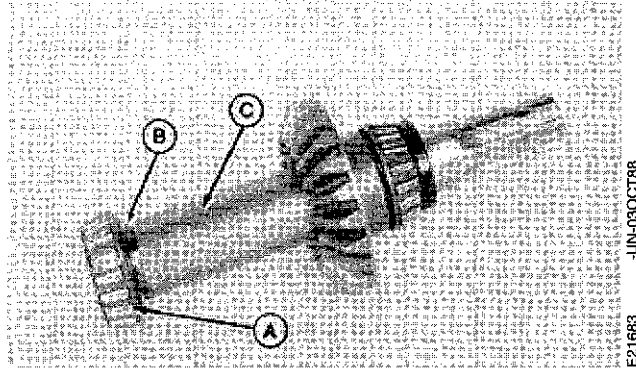
Gear Case Repair/Disassemble Superior Gear Case (Aluminum Case)

3. Lift both shafts out of gear case.
4. Clean both halves of gear case.
5. Remove ALL hardened gasket material.



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6. Press bearing (A) off input shaft, remove snap ring (B) and sleeve (C).

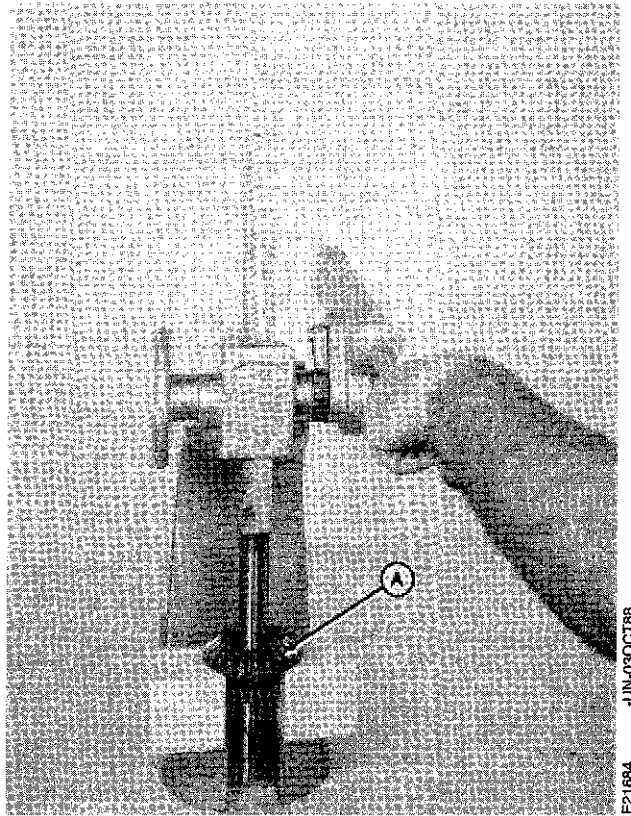


EX,1472,2025,G -19-03APR89

Gear Case Repair/Disassemble Superior Gear Case (Aluminum Case)

IMPORTANT: Do not press gear over splined area as it may scratch the shaft and reduce seal life.

7. Press 23-tooth gear (A) from input shaft.

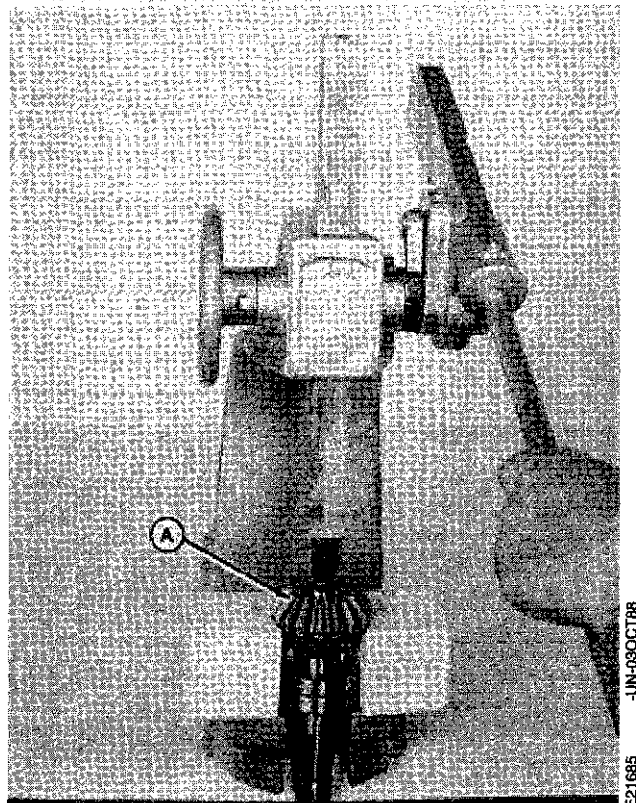


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8. Press 17-tooth gear (A) from output shaft.



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EX,1472,2025,I -19-03APR89

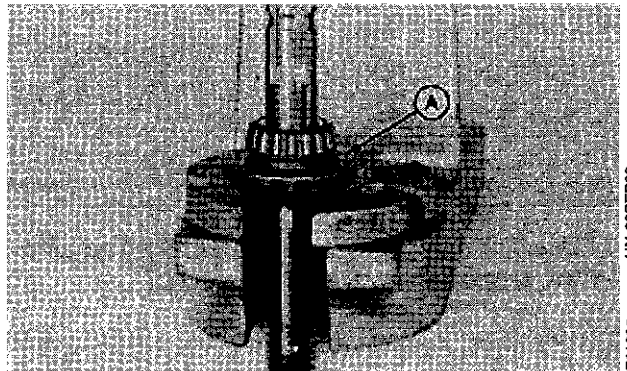
INSPECT GEAR CASE PARTS

1. Inspect gears for chipped or broken teeth.
2. Inspect bearings for roughness. Make sure they rotate freely.
3. Inspect shafts for wear.
4. Replace seals.
5. Replace parts if needed.

EX,1472,2025,J -19-11MAR93

ASSEMBLE SUPERIOR GEAR CASE

1. Place 23-tooth gear (A) on input shaft and align keyway in gear with key in shaft.
2. Press gear in place.



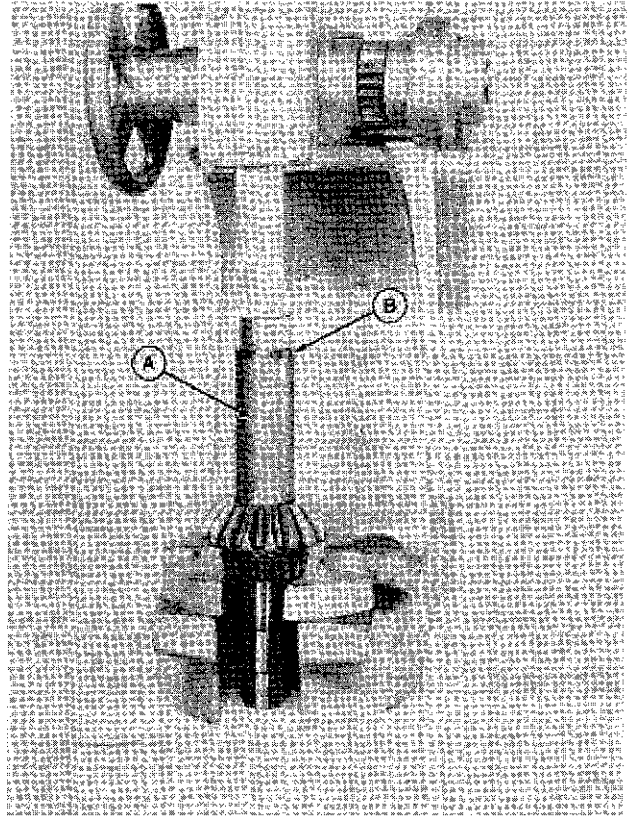
EX,1472,2025,K -19-11MAR93

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IMPORTANT: To prevent bearing damage, support inner race of bearing while pressing.

3. Install sleeve (A) and snap ring (B). Press to insure tightness of sleeve between shaft and gear.

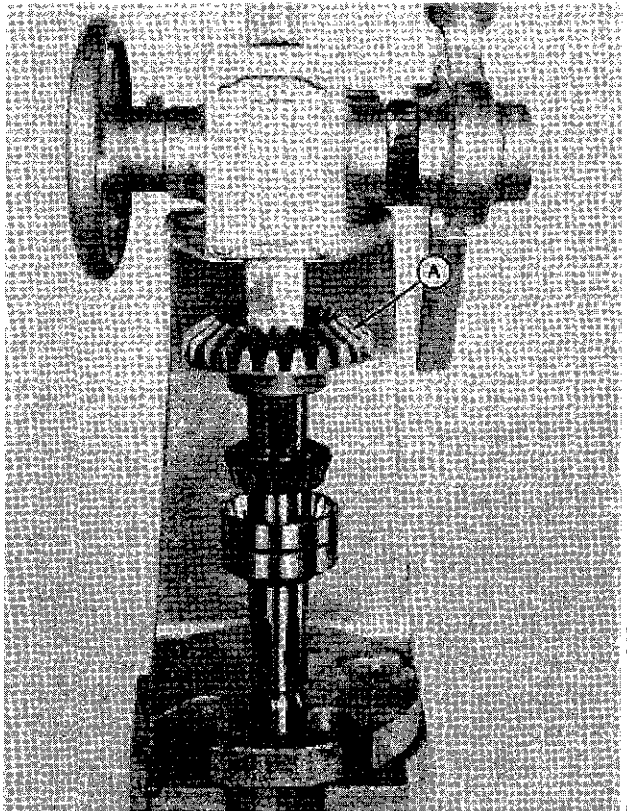


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4. Place 17-tooth gear (A) on output shaft and align keyway in gear with key in shaft.

5. Press gear on shaft and install snap ring in groove.



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