



Service Repair Manual

Models

225 EXCAVATOR

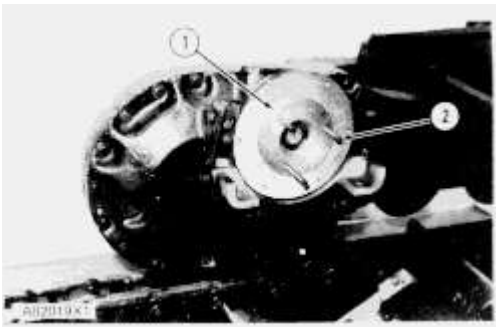
| | Tools Needed | A | B | C | D | E | F | G | H | J |
|--------|-------------------------------|---|---|---|---|---|---|---|---|---|
| 1H3112 | Bearing Puller Attachment | | | | | | | | 1 | |
| 8S6586 | Screw | | | | | | | | 1 | |
| 1P1858 | Pliers | 1 | | | | | | | | |
| 8B7554 | Bearing Cup Puller Attachment | | 1 | | | | | | | |
| 8B7560 | Step Plate | | 1 | 1 | 1 | | | | | |
| 5F7345 | Screw | | 1 | | | | | | | |
| 8B7548 | Puller Assembly | | | 1 | 1 | | | | | |
| 8B7550 | Leg | | | 2 | 2 | | | | | |
| 5H9976 | Screw | | | 1 | 1 | | | | | |
| 8H684 | Ratchet Box Wrench | | | 1 | 1 | | | | | |
| 8H663 | Bearing Puller Attachment | | | 1 | | | | | | |
| 8B7551 | Puller Assembly | | | | 1 | | | | | |
| 5P3100 | Pump Group (or electric) | | | | | 1 | 1 | | | |
| 5H9817 | Puller Assembly | | | | | 1 | | | | |
| 1H3107 | Puller Assembly | | | | | 1 | | | | |
| 1H3110 | Bearing Puller Attachment | | | | | | 1 | | | |
| 1H3108 | Leg | | | | | 2 | | | | |
| 9S9154 | Step Plate | | | | | 1 | | | | |
| 9S8900 | Cylinder Group | | | | | | 1 | | | |
| 5F9306 | Arm | | | | | | 3 | | | |
| 5H9909 | Pin Assembly | | | | | | 3 | | | |
| 6H1625 | Adapter | | | | | | 3 | | | |
| 8F6220 | Nut | | | | | | 3 | | | |
| 2P8348 | Adapter | | | | | | 1 | | | |
| 5F9882 | Adapter | | | | | | 1 | | | |
| 5F9888 | Adapter | | | | | | 1 | | | |
| 5F9892 | Pin | | | | | | 1 | | | |
| 1P1855 | Pliers | | | | | | | | 1 | |
| FT522 | Lifting Bracket | | | | | | | | | 2 |
| 1D4720 | Nut | | | | | | | | | 2 |

start by:

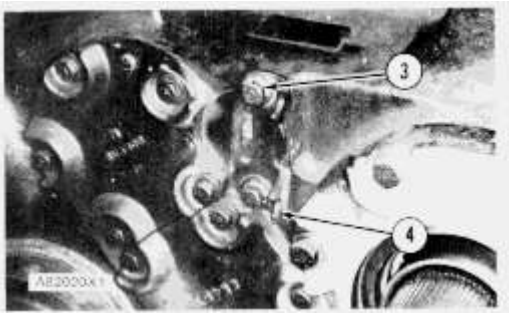
a) remove sprockets

b) remove parking brakes

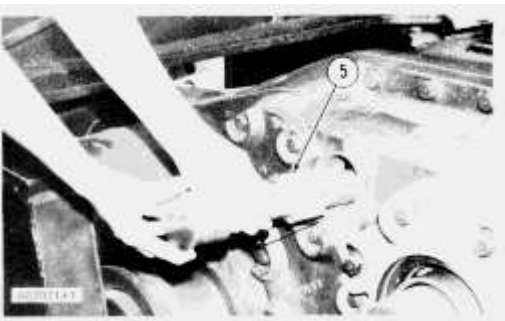
1. Remove oil from the final drive housing.



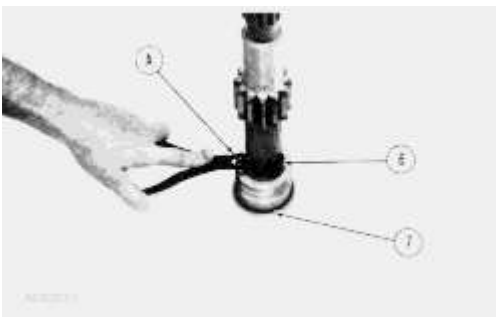
2. Install three 1/2"-13 NC forcing screws (2) in cover (1). Remove cover (1).



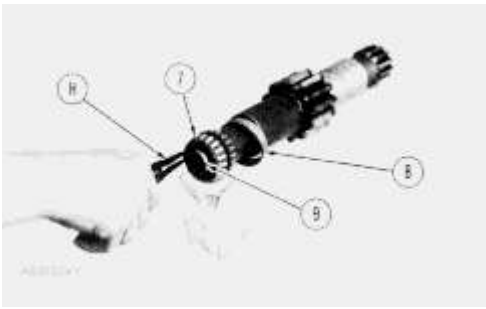
3. Remove two bolts (3) and bracket (4) from disconnect pinion.



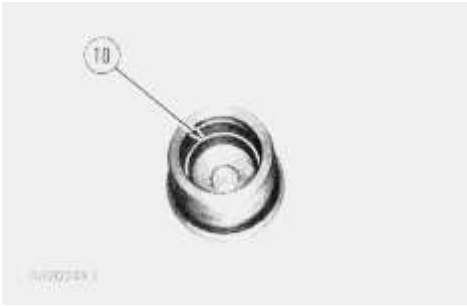
4. Remove disconnect pinion (5) from the final drive housing. Remove the O-ring seal (7) from the pinion.



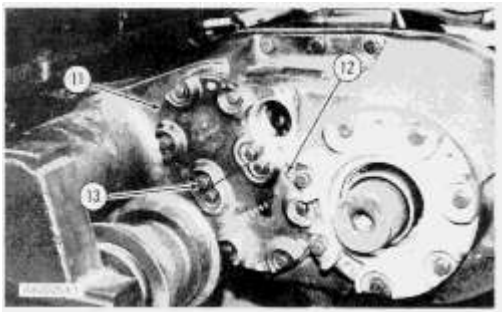
5. Remove snap ring (6) from pinion cap with tool (A). Remove cap.



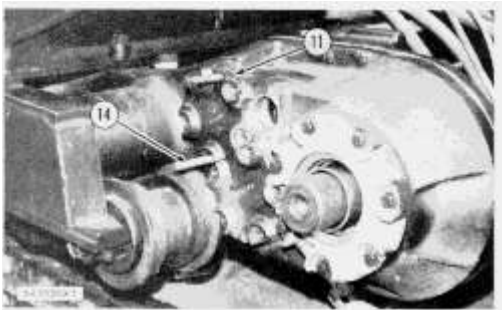
6. Remove snap ring (9) from pinion shaft with tool (H). Remove bearings (7) and cup (8) from the pinion shaft.



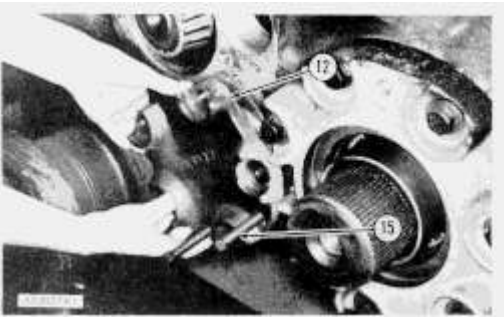
7. Remove bearing cup (10) from the pinion cap.



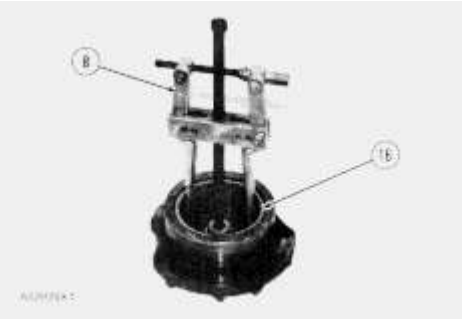
8. Remove ten bolts (13) from cages (11) and (12).



9. Install two 5/8"-11 NC forcing screws (14) in cage (11) and remove cover, shims and O-ring seal.

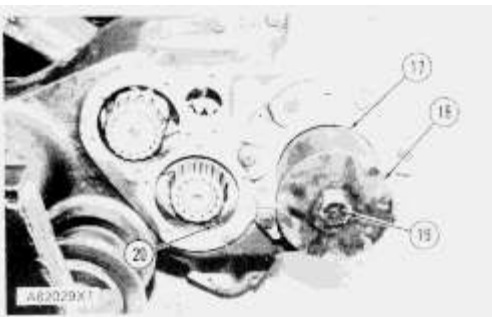


10. Install two 1/2"-13 NC forcing screws (15) in cage (12) and remove cover, shims and O-ring seal.

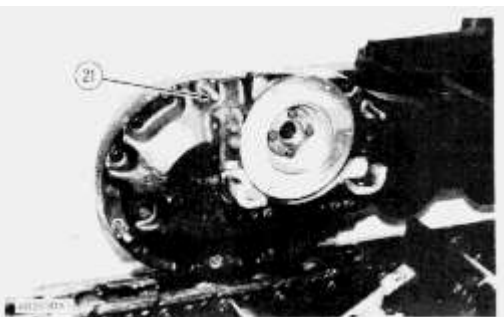


11. Install tooling (B) and remove bearing cups (16) from cages (11) and (12).

12. Use two bolts from cages (11) and (12) and install them in the final drive housing. Install wire (20) around the bolts and bearings as shown. This will hold gear assemblies in place when rear cover is removed.



13. Install a piece of pipe (17) that has an outside diameter of 6.5 in. (165.1 mm) and an inside diameter of 6 in. (152.4 mm) on the output gear shaft. Install a 7 in. (177.8 mm) diameter plate (18) with a 1.5 in. (38.1 mm) hole on the pipe. Use sprocket bolt (19) to hold this assembly to output gear shaft. This will hold gear assembly when rear cover is removed.



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