



Service Repair Manual

Models

980F WHEEL LOADER

Product: WHEEL LOADER

Model: 980F WHEEL LOADER 5XJ

Configuration: 980 F SERIES II WHEEL LOADER 5XJ00617-00712 (MACHINE) POWERED BY 3406 ENGINE

Disassembly and Assembly 980F & 980F SERIES II WHEEL LOADERS POWER TRAIN

Media Number -SEN4991-02

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SEN49910028

Transmission

SMCS - 3150-016; 3150-015

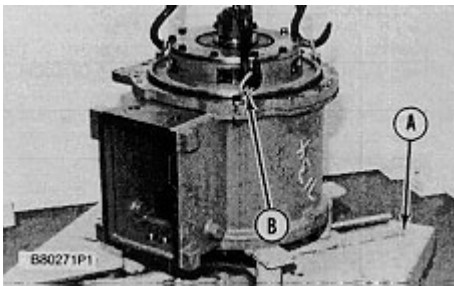
Disassemble Transmission

| Tools Needed | | A | B | C | D | E | F | G |
|--------------|---------------------------|---|---|---|---|---|---|---|
| 1P2420 | Transmission Repair Stand | 1 | | | | | | |
| 6V2156 | Link Bracket | | 3 | | | | | |
| FT0833 | Clamp | | | 2 | | | | |
| 1P1863 | Retaining Ring Pliers | | | | 1 | | | |
| 5P5197 | Pliers | | | | | 1 | | |
| 5P9736 | Link Bracket | | | | | | 3 | |
| 5P4758 | Pliers | | | | | | | 1 |

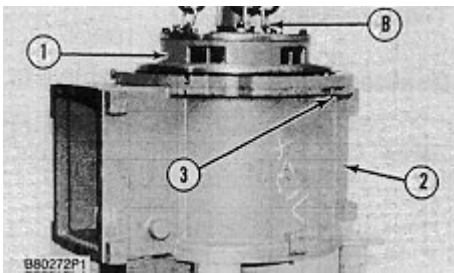
| Tools Needed | | H | J | K | L | M | N |
|--------------|--------------------------------|---|---|---|---|---|---|
| 1P0520 | Driver Group | 1 | | | | 1 | |
| 2P2345 | Spanner Wrench | | 1 | | | | |
| 2P8312 | External Retaining Ring Pliers | | | 1 | | | |
| FT0847 | Spring Compressor | | | | 1 | | |
| 8B7551 | Bearing Puller Assembly | | | | | 1 | |
| 1P1859 | Retaining Ring Pliers | | | | | | 1 |

Start By:

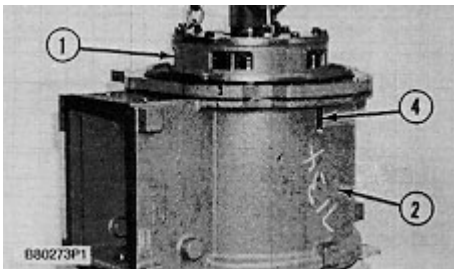
- a. separate transmission from transfer gears
- b. remove transmission hydraulic control valves



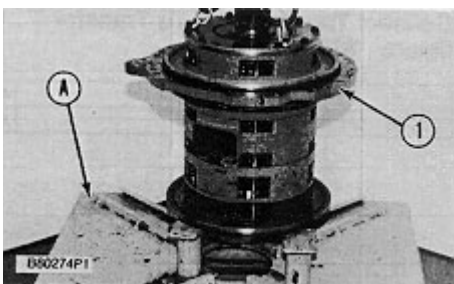
1. Fasten tool (B) and a hoist to the transmission as shown.
2. Put the transmission in position on tool (A). The weight of the transmission is **567 kg (1250 lb)**.



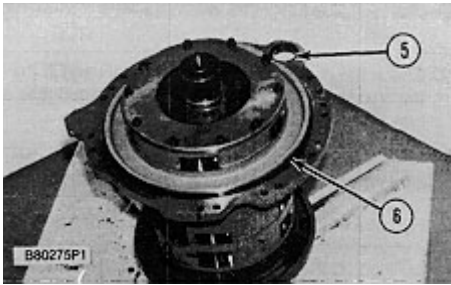
3. Fasten tool (B) and a hoist to planetary group (1). Remove bolts (3) that hold transmission case (2) to planetary group (1).



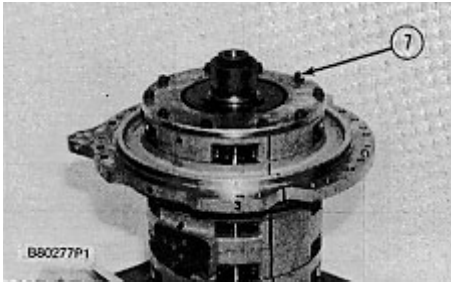
4. Install two 1/2" - 13 NC forcing screws (4) in the transmission case.
5. Use the hoist and forcing screws (4) to remove planetary group (1) from transmission case (2). The weight of the planetary group is **424 kg (935 lb)**.
6. Use tool (B) and a hoist to remove the transmission case from tool (A). The weight of the transmission case is **143 kg (315 lb)**.



7. Put planetary group (1) in position on tool (A) as shown. Fasten the planetary group to tool (A) with suitable size bolts, washers and nuts.

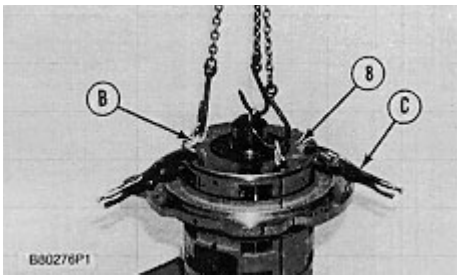


8. Remove two O-ring seals (5) and O-ring seal (6) from the manifold assembly.



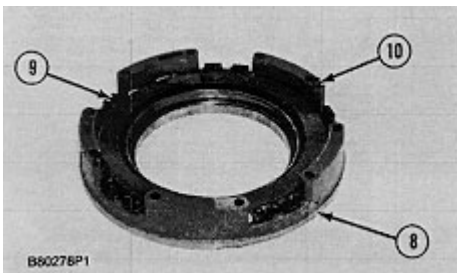
9. Put an alignment mark across the clutch housing assemblies of the planetary group for assembly purposes.

10. Remove bolts (7) and the washers from the No. 6 clutch housing.

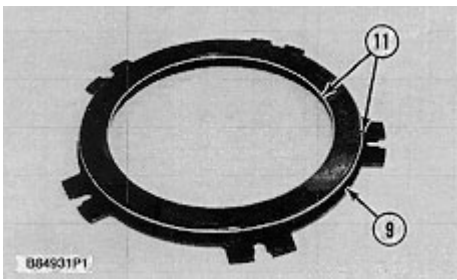


11. Use tool (C) to hold the clutch piston in No. 6 clutch housing (8).

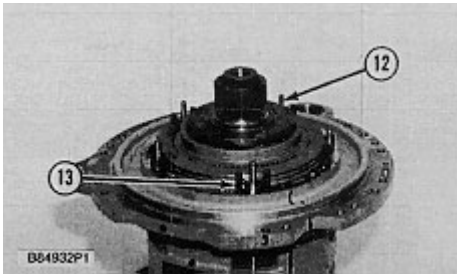
12. Fasten tool (B) and a hoist to No. 6 clutch housing (8). Remove No. 6 clutch housing (8) from the manifold assembly. The weight of the No. 6 clutch housing is **29 kg (64 lb)**.



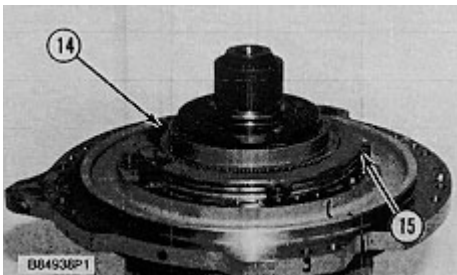
13. Remove reaction dowels (10) and clutch piston (9) from No. 6 clutch housing (8).



14. Remove seal rings (11) from clutch piston (9).



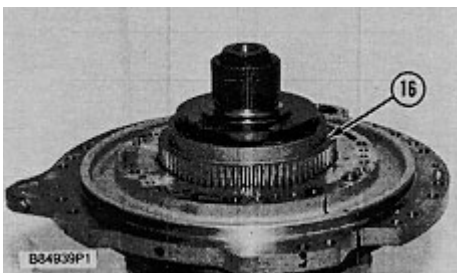
15. Remove five dowels (12) and springs (13) from the manifold assembly.



NOTICE

Keep the friction discs and clutch plates for the individual clutches in their original sequence and with their respective clutch housings.

16. Remove three friction discs (14) and two clutch plates (15) from the manifold assembly.



17. Remove ring gear (16) from the manifold assembly.

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