



# Service Repair Manual

## **Models**

# 924F Wheel Loader

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Product: WHEEL LOADER

Model: 924F WHEEL LOADER 6MN

Configuration: 924F Wheel Loader 6MN00001-UP (MACHINE) POWERED BY 3114 Engine

## Disassembly and Assembly

### 924F WHEEL LOADER AND IT24F INTEGRATED TOOLCARRIER POWER TRA

Media Number -SEN6726-03

Publication Date -01/04/2006

Date Updated -09/03/2011

SEN67260015

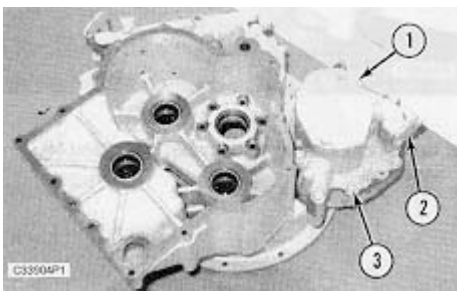
## Transmission Oil Pump

SMCS - 3153-017

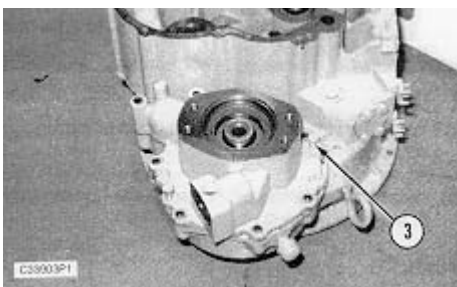
### Dissemble & Assemble Transmission Oil Pump

Tools Needed		A
8B7554	Push Puller	1
	Bolt (desired length)	2

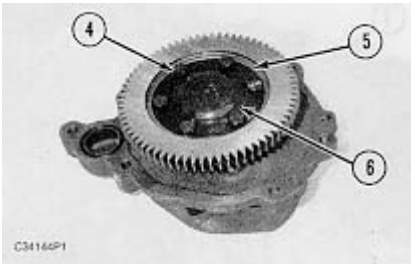
**NOTE:** The transmission oil pump can be removed from the transmission case at any time except in chassis. The following illustrations shown are for better photo illustration.



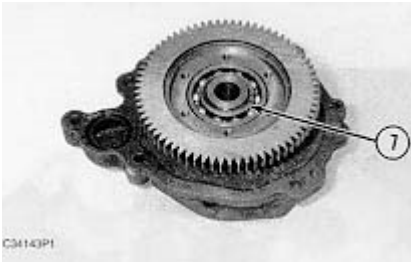
1. Remove covers (1) and (2) from the transmission oil pump. Remove seven bolts (3) that hold the transmission oil pump to the transmission case.



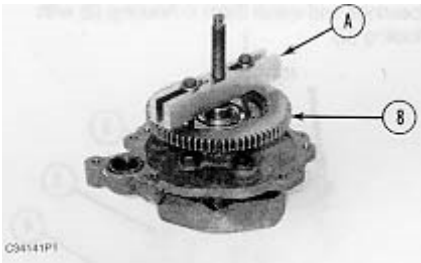
2. Install two bolts (3) and use them as forcing screws to separate the pump from the transmission housing. Remove the transmission oil pump.



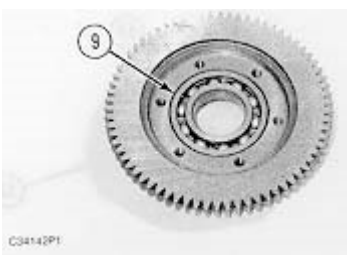
3. Remove bolts (4) and plate (5). Remove splined input shaft (6) from the pump housing.



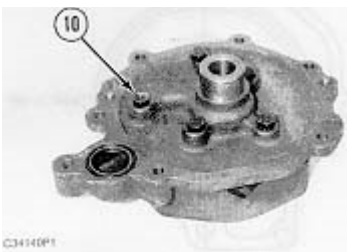
4. Remove retainer ring (7) from the groove in the gear shaft.

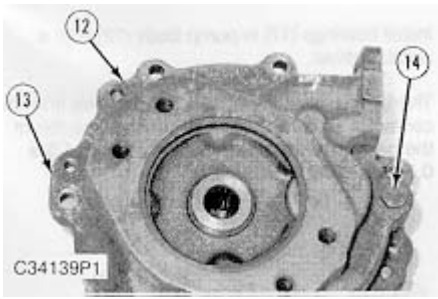


5. Install tooling (A) through the holes in gear (8). Pull gear (8) off of the gear shaft.

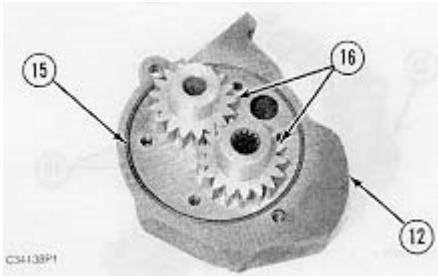


6. Remove bearing from gear (8) if necessary.



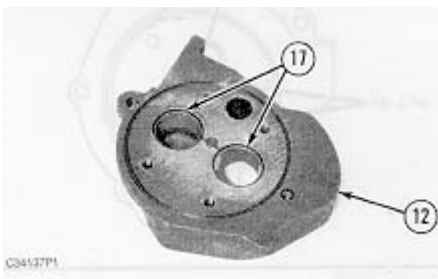


7. Remove bolts (10) and (14) from pump bodies (12) and (13).

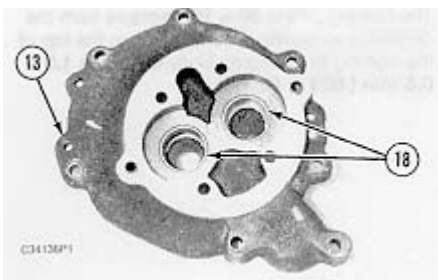


8. Remove gear assemblies (16) from pump body (12).

9. Remove O-ring seal (15) from the pump body.

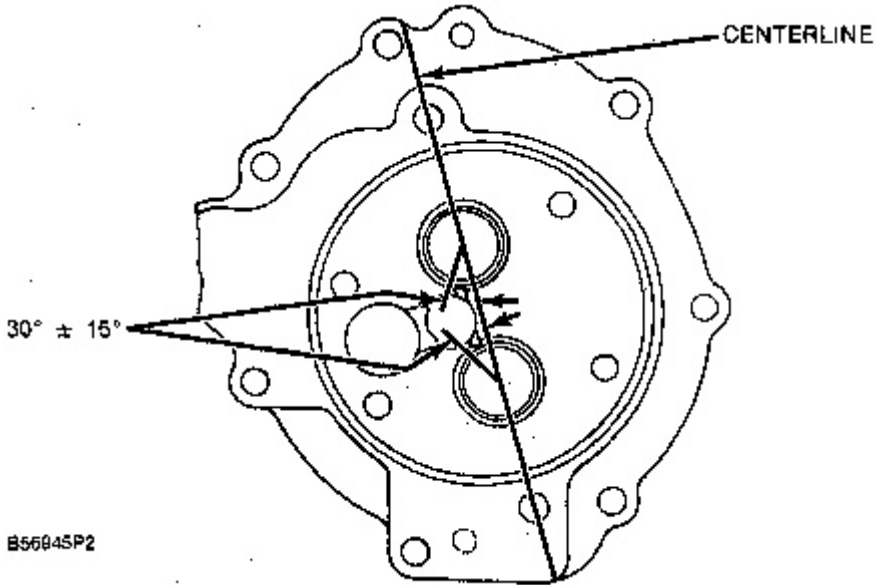
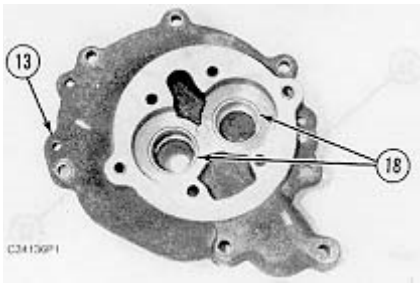


10. Inspect bearings (17). Remove them from pump body (12) only if necessary.



11. Inspect bearings (18). Remove them from pump body (13) only if necessary.

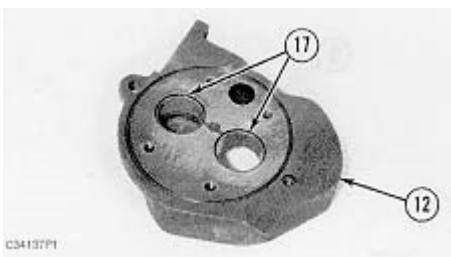
**NOTE:** The following steps are for the assembly of the transmission oil pump.



Typical Example Of Bearing Installation

**12.** Install bearings (18) in pump body (13) with a suitable driver.

**13.** The bearing joint is  **$30 \pm 15$  degrees** from the centerline as shown. The depth from the top of the bearing to the pump body surface is  **$1.5 \pm 0.5$  mm ( $.059 \pm .020$  in)**.



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