SERVICE MANUAL

W170C
Wheel Loader

Print No. 47373612B

NEW HOLLAND CONSTRUCTION

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150 – Air Conditioning Switch		
Check Points	**Correct Reading**	**Possible Cause of Bad Reading**
NOTE: *Remove connector from AC switch.*		
Between terminal 1 and 2 on AC switch	Continuity with switch on.	Bad AC switch.

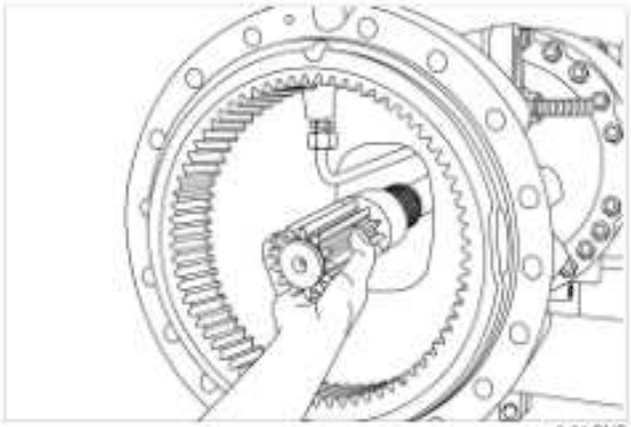
151 – Control Panel Lights		
Check Points	**Correct Reading**	**Possible Cause of Bad Reading**
NOTE: *Remove connector from Control panel lights.*		
Between terminal 1 and 2 on light.	Continuity	Bad light(s).

152 – Water Valve Potentiometer		
Check Points	**Correct Reading**	**Possible Cause of Bad Reading**
NOTE: *Remove connector from Water valve potentiometer.*		
Between terminals measure resistance change.	Resistance change	Bad potentiometer.

153 – Air Recirculating Switch		
Check Points	**Correct Reading**	**Possible Cause of Bad Reading**
NOTE: *Remove connector on Air recirculating switch.*		
Between terminals 1 and 2.	Continuity with switch on.	Bad recirculating switch.

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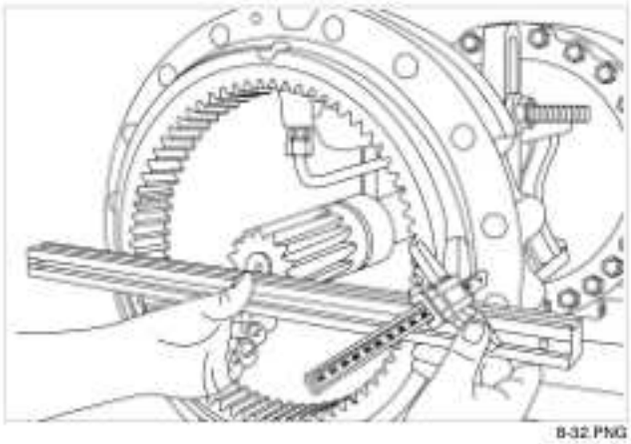
STEP 31



8-31.PNG

Insert sun gear shaft until contact is made.

STEP 32



8-32.PNG

Measure dimension II, from front face of sun gear shaft to mounting surface of axle housing.

Dimension II e.g. 17.15 mm (0.68 in)

CALCULATION EXAMPLE:

Dimension I: 19.75 mm (0.78 in)

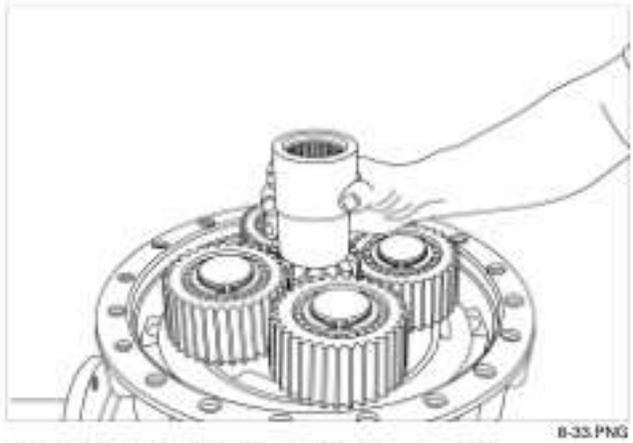
Dimension II: 17.15 mm (0.68 in)

Difference: 2.60 mm (0.10 in)

Required axial play e.g.: 1.00 mm (0.04 in)

Difference = shim e.g. s = 1.60 mm (0.06 in)

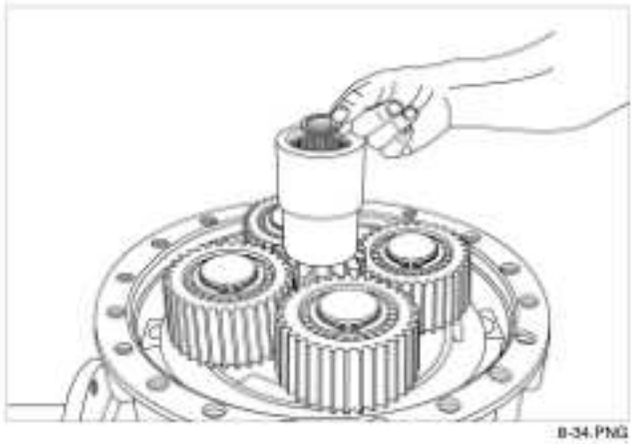
STEP 33



8-33.PNG

Insert sun gear shaft into planetary carrier.

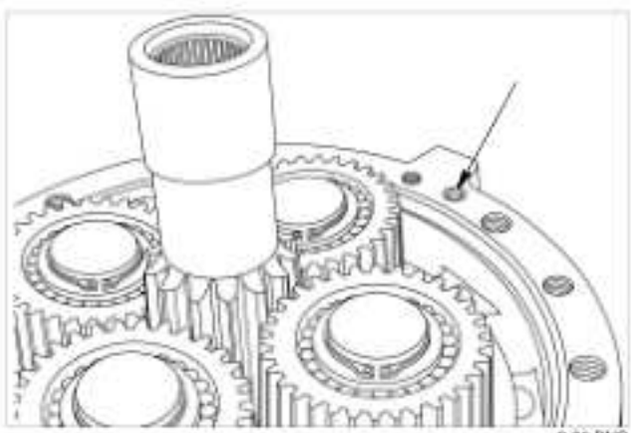
STEP 34



8-34.PNG

Insert shim(s) e.g. s = 1.60 mm (0.06 in) with grease into sun gear shaft.

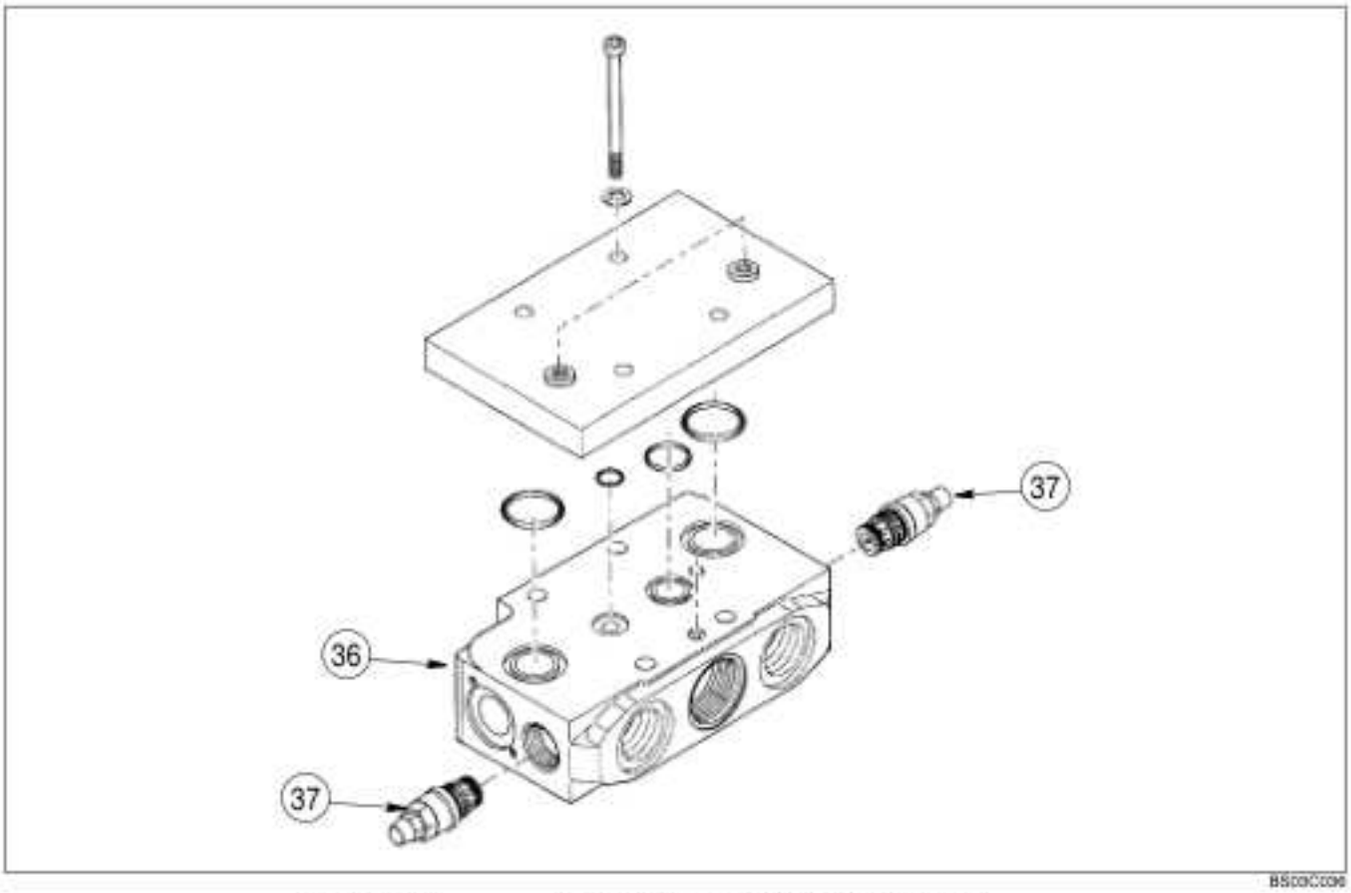
STEP 35



8-35.PNG

Insert O-ring with grease into countersink of brake housing.

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36. HOUSING 37. ANTICAVITATION AND CIRCUIT RELIEF

3 SPOOL MOUNTING CONFIGURATION

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