SERVICE MANUAL

Wheel Loaders LW50



NEW HOLLAND
CONSTRUCTION

MidWestTech | New Holland LW50 Wheel Loader Service Manual | Publication 73179329

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Differential Assembly (Pre-Assembling)

Refer to Chapter "Differential Assembly".

Complete Axle Drive and Axle Assemblies

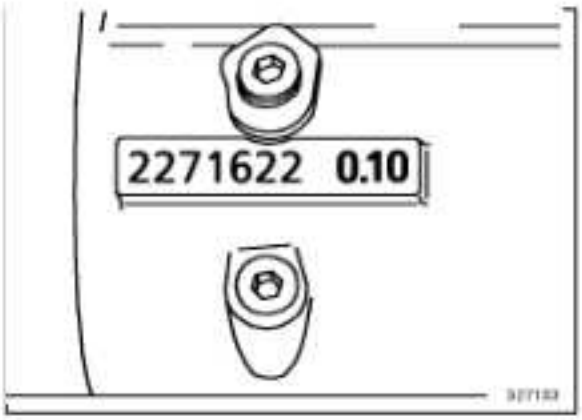


Fig. 20

An information field for stamping in the ID and dimensions is located between the filler cap and the drain plug or on the flange. Refer to arrow in Fig. 25.

The deviation from the nominal dimension (e. g. 0.10) or the complete dimension (e. g. 120.10) is stamped in.

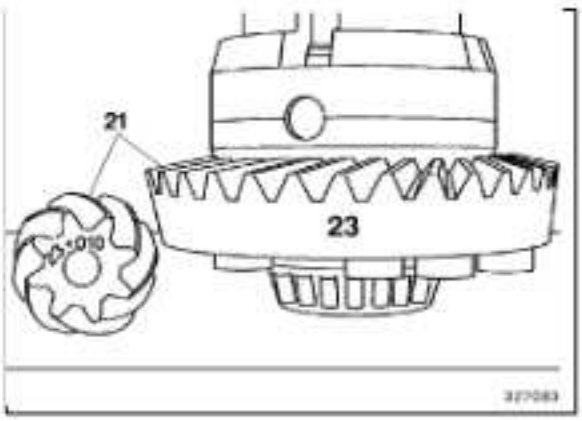


Fig. 21

Compare the figures engraved in the pinion shaft and in bevel gear (21). The mating number (e. g. 23) must, by all means, agree. The value (e. g. +0.10) given only on the pinion shaft is the deviation from the nominal dimension.

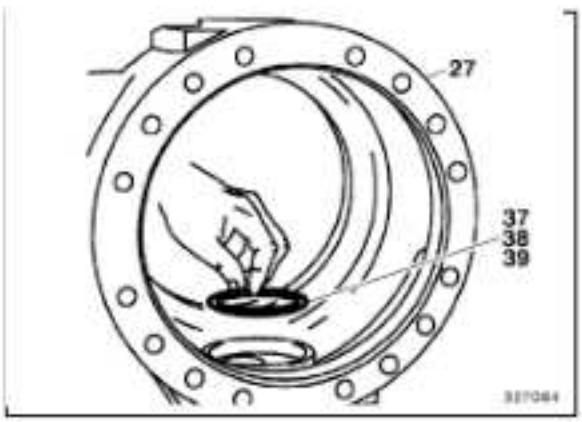


Fig. 22

Determine spacing washer(s) (37-39), refer to next page, and insert.

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Trouble	Cause	Remedy
6. Insufficient service life of the battery	1. Battery too often and exhaustively discharged	Use battery with greater capacity considering using special "S" type batteries
	2. Battery gets too warm	Install at a better suited loacation
	3. Battery vibrations too heavy	Install at a better suited location
	4. Battery possibly "sulphated"	cf. 5.6
	5. Battery acid containing impurities	Replace the battery
7. Battery charge permanently insufficient	1. Defective alternator, voltage regulator or line connections	Increase alternator capacity or repair resp. replace alternator and voltage regulator; fasten connections properly
	2. V-belt loose	Retension the belt or replace
	3. Too many consumers connected to the battery	Install bigger battery. Consider using a stronger alternator; consult specialized workshops
8. Permanent overcharge	Voltage regulator and possibly alternator defective	Replace voltage regulator or change regulator setting; check alternator
9. Switch contacts in voltage regulator burnt (in case of d.c. generators)	Battery incorrectly connected (wrong polarity)	Connect battery with correct polarity. Replace voltage regulator
10. Rectifier diodes destroyed (in case of alternators)	Battery incorrectly connected (wrong polarity)	Connect battery with correct polarity. Replace rectifier diodes

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Electrical components in circuit diagram

Circuit diagram No. T 72183336 - 00

B 3002800 - 800

Part	Quantity	Description and function	Curr. Path	Location	Part no.
R1.5	1,000	GLOW PLUG	2 - 6/91	ENGINE	
R1.6	1,000	GLOW PLUG	2 - 7/91	ENGINE	
R2	0,000	IMMERSED TUBE SENSOR	3 - 0/85	FUEL TANK	72180311
R13.1	1,000	TEMPERATURE SENSOR WITH WARNING SWITCH	3 - 3/80	ENGINE	72182939
S1	1,000	START BUTTON	2 - 3/18	CONTROL PANEL	73171246
S2	1,000	BLOWER SWITCH	8 - 0/51	CONTROL PANEL	73174186
S3.1H1	1,000	LIGHT IN WIPER SWITCH	7 - 3/86	CONTROL PANEL	73174147
S3.1	1,000	SWITCH - REAR WINDOW WIPER	8 - 5/42	CONTROL PANEL	73174195
S3.1	1,000	PLATE	8 - 5/42	CONTROL PANEL	73174187
S3.1	1,000	LID	8 - 5/42	CONTROL PANEL	73174196
S3.1	1,000	BELLOWS	8 - 5/42	CONTROL PANEL	73174197
S3.1	1,000	CAP	8 - 5/42	CONTROL PANEL	73174191
S3.1	1,000	GASKET	8 - 5/42	CONTROL PANEL	73174188
S3.1	1,000	SOCKET	8 - 5/42	CONTROL PANEL	73174194
S3.1	1,000	BULB	8 - 5/42	CONTROL PANEL	73174147
S3.1	1,000	PLATE	8 - 5/42	CONTROL PANEL	73174198
S3.3H1	1,000	LIGHT IN WIPER SWITCH	7 - 3/86	CONTROL PANEL	73174147
S3.3	1,000	SWITCH - WINDSREEN WIPER	8 - 4/42	CONTROL PANEL	73174195
S3.3	1,000	PLATE	8 - 4/42	CONTROL PANEL	73174187
S3.3	1,000	LID	8 - 4/42	CONTROL PANEL	73174196
S3.3	1,000	BELLOWS	8 - 4/42	CONTROL PANEL	73174197
S3.3	1,000	CAP	8 - 4/42	CONTROL PANEL	73174191
S3.3	1,000	GASKET	8 - 4/42	CONTROL PANEL	73174188
S3.3	1,000	SOCKET	8 - 4/42	CONTROL PANEL	73174194
S3.3	1,000	BULB	8 - 4/42	CONTROL PANEL	73174147
S3.3	1,000	PLATE	8 - 4/42	CONTROL PANEL	73174198
S4	1,000	SWITCH - WINDSREEN WASHER	8 - 6/51	CONTROL PANEL	73174195
S4.1	1,000	BUTTON - W/S WASHER	8 - 7/51	CONTROL PANEL	73174195
S5	1,000	LIGHT SWITCH	6 - 0/28	CONTROL PANEL	72181204
S5	1,000	PLATE	6 - 0/28	CONTROL PANEL	73174187
S5	1,000	LID	6 - 0/28	CONTROL PANEL	73174196
S5	1,000	BELLOWS	6 - 0/28	CONTROL PANEL	73174197
S5	1,000	CAP	6 - 0/28	CONTROL PANEL	73174191

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