



Service Repair Manual

Models

657G Wheel Scraper

Product: WHEEL TRACTOR

Model: 657G WHEEL TRACTOR W1C

Configuration: 657G Wheel Tractor W1C00001-UP (MACHINE) POWERED BY C18 Engine

Disassembly and Assembly

657G Wheel Tractor-Scraper Wheel Tractor Power Train

Media Number -REN9712-01

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i06989092

Differential and Bevel Gear - Assemble

SMCS - 3256-016; 3258-016

Assembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	138-7573	Link Bracket	2
B	2P-8312	Retaining ring pliers	1
E	138-7574	Link Bracket	2
H	5P-1730	Retainer	1
K	138-7575	Link Bracket	2
L	5P-7311	Puller	1
	7S-7786	Legs	2
N	9U-6501	Plate	1
P	5P-8713	Plate	1
Q	129-1948	Water and Temperature Resistant Grease	1
R	8T-5096	Dial Indicator Gp	1
S	5p-7311	Puller	1
	7S-7786	Puller Legs	2
	5F-7345	Screw	1

Note: Cleanliness is an important factor. Before assembly, all parts should be thoroughly cleaned in cleaning fluid. Allow the parts to air dry. Wiping cloths or rags should not be used to dry parts. Lint may be deposited on the parts which may cause later trouble. Inspect all parts. If any parts are worn or damaged, use new parts for replacement.



Illustration 1

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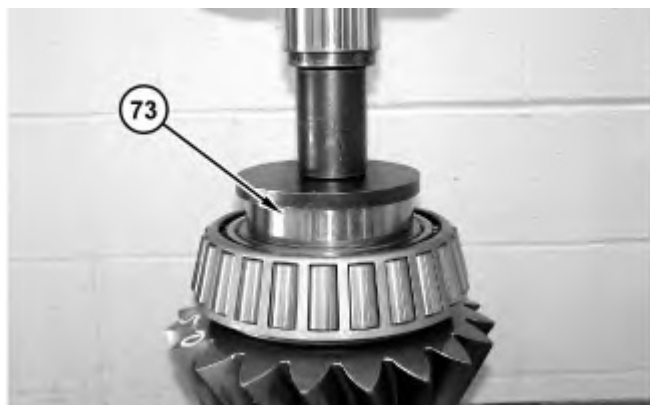
1. Lower the temperature of bearing cup (75) and install bearing cup (75).



Illustration 2

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2. Raise the temperature of bearing cones (74) and install bearing cones (74).



3. Use a suitable press to install wear sleeve (73).

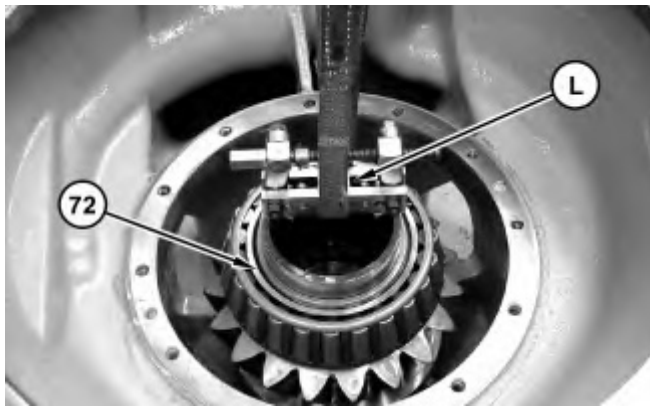


Illustration 4

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4. Attach Tooling (L) and a suitable lifting device to pinion gear (72). The weight of pinion gear (72) is approximately 48 kg (105 lb). Install pinion gear (72).



Illustration 5

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5. Lower the temperature of bearing cup (69). Use a suitable press and Tooling (N) to install bearing cup (69).

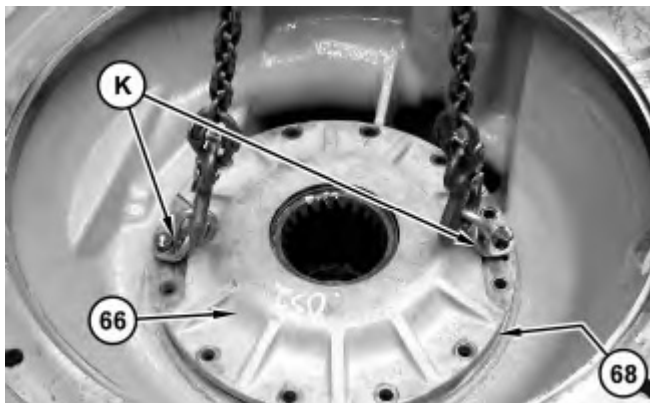




Illustration 7

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Illustration 8

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6. Attach Tooling (K) and a suitable lifting device to cage assembly (66). The weight of cage assembly (66) is approximately 29 kg (65 lb). Position cage assembly (66).
7. Set the pinion bearing preload and backlash. Refer to Testing and Adjusting, "Differential and Bevel Gear - Adjust".
8. Install O-ring seals (71). Use a suitable press and Tooling (P) to install seal (70).
9. Refer to Step 7 and install shims (68). Install bolts (65). Tighten bolts (65) to a torque of $110 \pm 10 \text{ N}\cdot\text{m}$ ($81 \pm 7 \text{ lb ft}$).

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