



Service Repair Manual

Models

641 WHEEL SCRAPER

Product: WHEEL SCRAPER
Model: 641 WHEEL SCRAPER 43M
Configuration: 641 SCRAPER 43M00001-UP (MACHINE)

Disassembly and Assembly 641-651-657 TRACTOR POWER TRAIN

Media Number -REG00989-00

Publication Date -01/03/1975

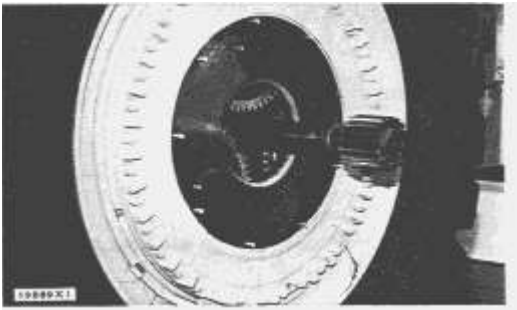
Date Updated -31/07/2012

REG009890009

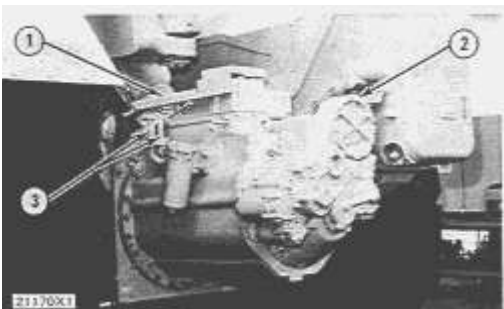
Differential

SMCS - 3252-12; 3258-16; 3258-11; 3258-15

Remove Differential



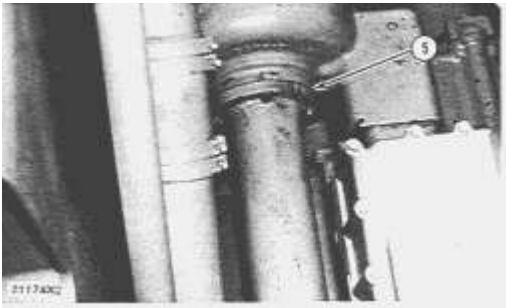
1. Turn tractor 90° to scraper.
2. Drain transmission-20 U.S. Gal. (75 liter).
3. Drain differential and final drives-44 U.S. Gal. (166 liter).
4. Remove final drive covers.
5. Pull axles out enough to disengage differential.



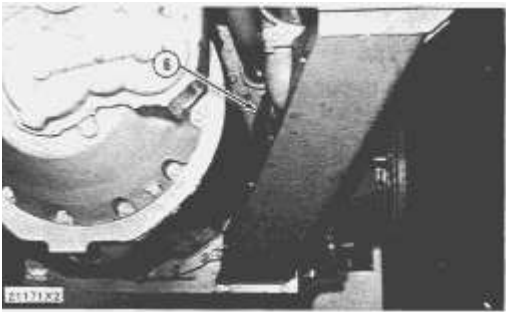
6. Disconnect transmission lines (3) and linkage (1).



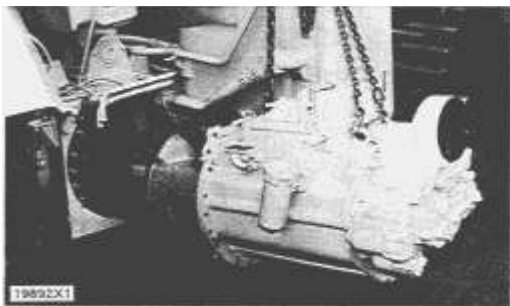
7. Remove cover (2), gear, and drive shaft (4).



8. Disconnect and support drive shaft tube (5).



9. Remove guard (6) from under hydraulic tank.



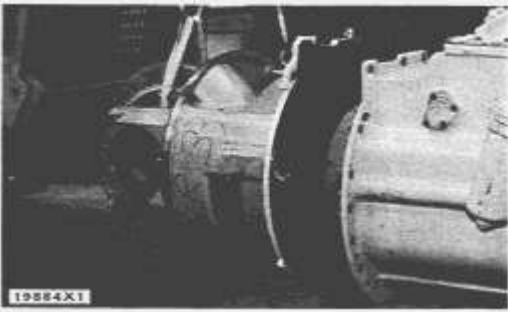
10. Connect hoist and support transmission and differential.

11. Remove transmission and differential mounting nuts.

NOTE: Do not remove bolts securing transmission to the differential.

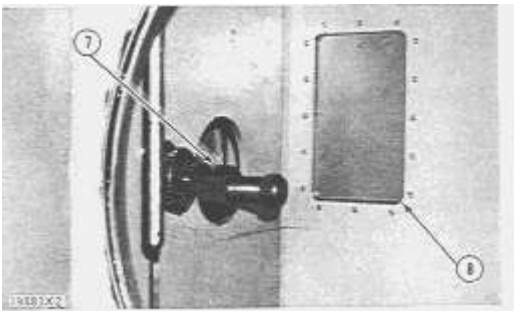
12. Remove transmission and differential as a unit-weight 5,000 lbs. (2258 kg).

13. Support transmission securely.

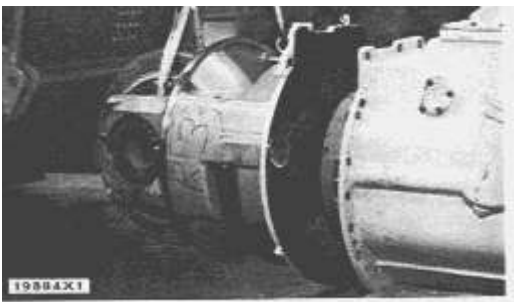


14. Attach hoist to differential, remove transmission to differential bolts, and separate differential from transmission-weight 1,500 lbs. (680 kg).

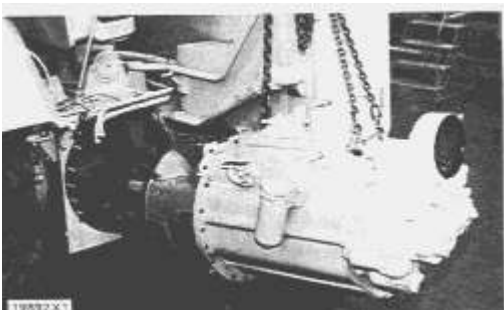
Install Differential



1. Loosen locknut (7) and turn differential thrust support bolt several turns clockwise.
2. Remove cover (8) from the front side of the differential housing.
3. Position pinion to align splines with transmission.

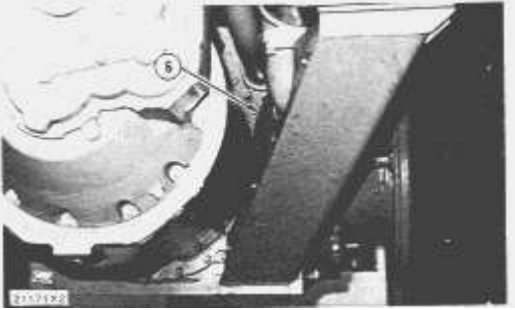


4. Attach hoist, position differential against transmission, and install mounting bolts.



5. Attach hoist and install transmission and differential onto tractor.

6. Working through opening on front of differential housing, adjust differential thrust support bolt to provide $.002 \pm .001$ in. ($0,05 \pm 0,025$ mm) clearance between head of bolt and carrier bearing cap. Tighten locknut and install cover.

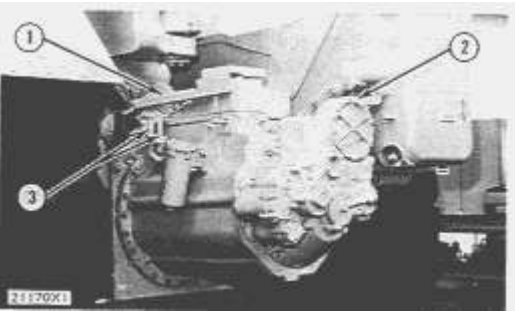


7. Install hydraulic tank guard (6).

8. Connect drive shaft tube (5).



9. Install drive shaft (4), gear, and cover (2).



10. Connect lines (3) and linkage (1).



11. Install axles and final drive covers.

12. Fill transmission, differential, and final drives to specified level.

Thank you so much for reading.
Please click the “Buy Now!”
button below to download the
complete manual.



After you pay.

You can download the most
perfect and complete manual in
the world immediately.

Our support email:

ebooklibonline@outlook.com