

Product: WHEEL SCRAPER

Model: 621E WHEEL SCRAPER 6BB

Configuration: 621E Wheel Tractor-Scraper 6BB01235-UP (MACHINE) POWERED BY 3406 Engine

Disassembly and Assembly 621E & 627E TRACTOR-SCRAPER VEHICLE SYSTEMS

Media Number -SEN3313-00

Publication Date -01/01/1987

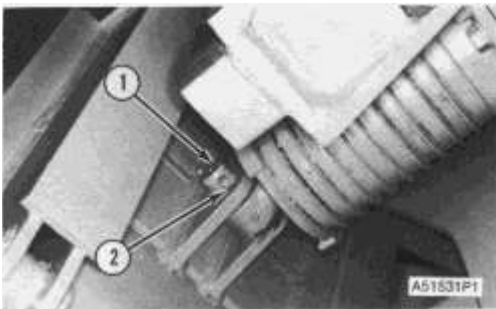
Date Updated -11/10/2001

Push-Pull Plate

SMCS - 6057-011; 6057-012

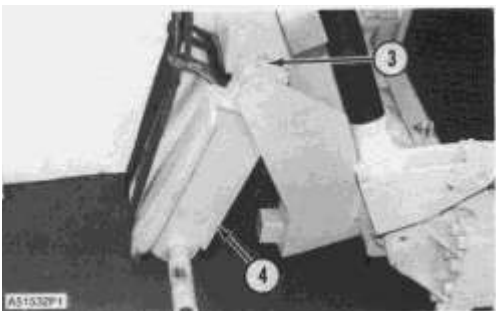
Remove Push-Pull Plate

1. Start the engine and lift the bail assembly. Put a wood block between the bail assembly and support assembly to hold the bail assembly up. Stop the engine.



View From Under Tractor

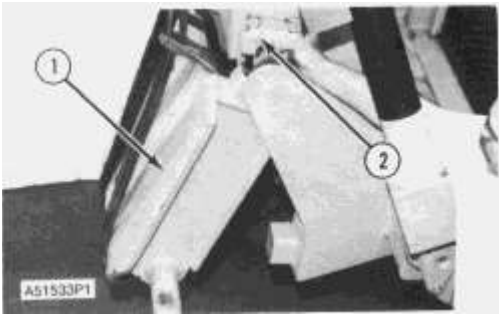
2. Remove the cotter pin, pin (2) and pin (1) that hold push-pull plate to the push-pull spring.



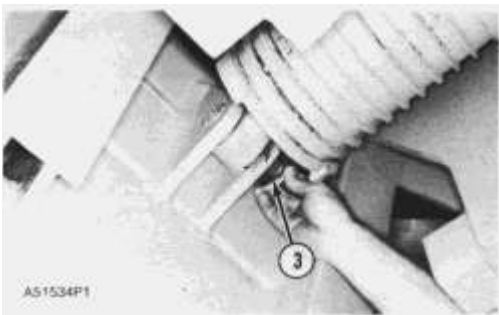
3. Fasten a hoist to push-pull plate (4) as shown. Remove two bearing caps (3). Remove the push-pull plate. Weight of the plate is 236 kg (525 lb.).

4. Remove the bearings from the caps.

Install Push-Pull Plate



1. Install the bearings in caps (2).
2. Fasten a hoist to push-pull plate (1) and put it in position on the support assembly. Install the two caps.



View From Under Tractor

3. Install pin (3). Install the pin and cotter pin that hold pin (3) in position.

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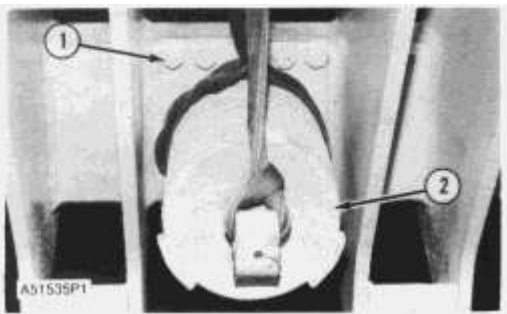
Push-Pull Spring

SMCS - 6262-011; 6262-012; 6262-015; 6262-016

Remove Push-Pull Spring

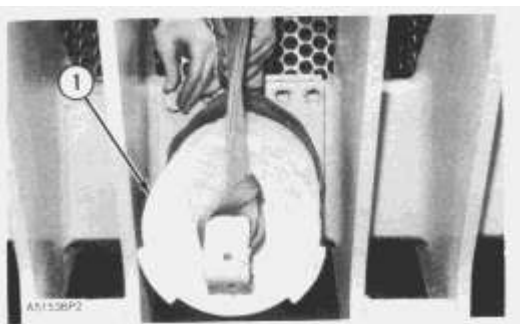
Start By:

- a. remove push-pull plate



1. Fasten a hoist to push-pull spring (2) as shown.
2. Remove eight bolts (1) and remove the spring. The weight of the spring is 45 kg (100 lb.).

Install Push-Pull Spring



1. Put push-pull spring (1) in position on the support assembly. Install the bolts that hold it.

End By:

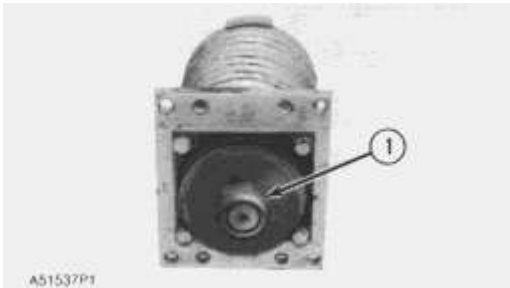
a. install push-pull plate

Disassemble Push-Pull Spring

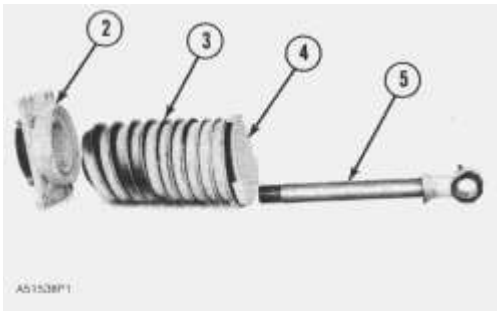
Tools Needed		A
2P8262	Socket	1

Start By:

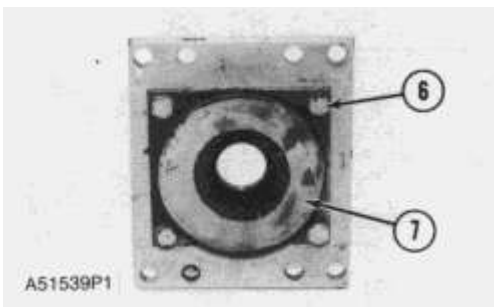
a. remove push-pull spring



1. Remove nut (1) and the washer with tool (A).



2. Pull rod (5) out of plate assembly (4), ten spring discs (3) and plate assembly (2).

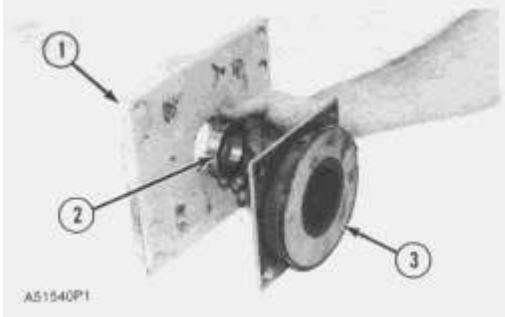


3. Remove four bolts (6) and lockwashers.

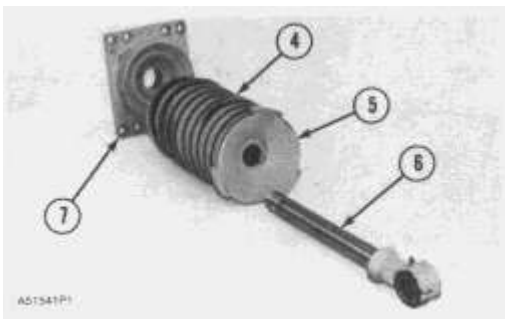
4. Remove pad (7) and the bushing from plate assembly (2).

Assemble Push-Pull Spring

Tools Needed		A
2P8262	Socket	1

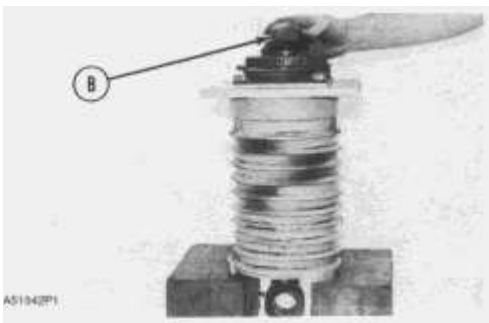


1. Install bushing (2) in plate assembly (1). Put pad (3) in position on the plate assembly and install the four bolts that hold it.



2. Install plate assembly (5), ten spring discs (4) and plate assembly (7) on rod (6) as shown.

3. Install the washer and nut that holds the unit together. Do not tighten the nut at this time.



4. Put the push-pull spring on wood blocks as shown. Tighten nut (8) with tool (A).

5. Put a straight ruler against the ten spring discs. Make sure all the discs are in contact with the ruler. If the discs are not in contact with the ruler, loosen nut (8) and make an adjustment to the spring discs. The maximum amount of distance that the spring discs can be away from the ruler at the center of the spring must not be more than 3.05 mm (.12 in.).

End By:

a. install push-pull spring

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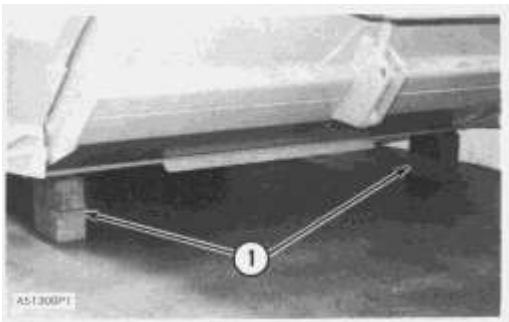
Date Updated -11/10/2001

Ejector Cylinder

SMCS - 5305-011; 5305-012

Remove Ejector Cylinder

Tools Needed		A
8S9906	Ratchet Puller	1



1. Start the engine and lift the bowl until it is level. Put wood blocks (1) under the bowl to hold it in position.
2. Retract the ejector fully. Stop the engine.

NOTE: Oil will drain out of the ejector cylinder when the hydraulic hoses are disconnected from it. Put plugs in the hoses and cylinder as they are disconnected.

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