

Product: MINI HYD EXCAVATOR

Model: 308E SR MINI HYD EXCAVATOR JBE

Configuration: 308E SR Mini Hydraulic Excavator JBE00001-UP (MACHINE) POWERED BY C3.3B Engine

Disassembly and Assembly 308ECR and 308ESR Mini Hydraulic Excavators Machine Systems

Media Number -UENR3284-03

Publication Date -01/12/2017

Date Updated -05/12/2017

i04808991

Recoil Spring - Disassemble

SMCS - 4158-015

Disassembly Procedure

Table 1

Required Tools			
Tool	Part Number	Part Description	Qty
A	4C-9540	Recoil Spring Bench	1
(B)	146-2457	Hydraulic Power Supply Gp	1
	223-3506	Hydraulic Cylinder and Lines Gp	1
C	8F-0024	Hose Assembly	2
	3B-7722	Bushing	2
	1P-2376	Coupler Assembly	2
	1P-2377	Plug	1
D	8S-9971	Adapter for Ram	1

Start By:

- Remove front idlers and recoil springs. Refer to Disassembly and Assembly, "Front Idler and Recoil Spring - Remove".

Note: Adjust the pump relief valve. To avoid damage or injury, the pressure should not exceed 51366 kPa (7450 psi).



WARNING

Sudden release of spring force can cause injury.

To prevent the possibility of injury, follow the procedure to relieve the spring pressure.

1. Thoroughly clean the outside of the recoil spring assembly.

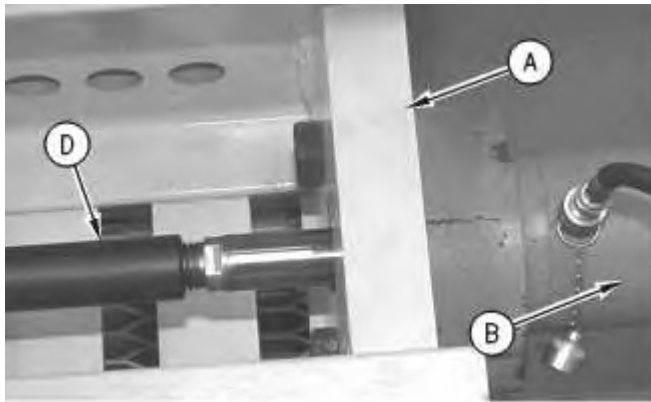


Illustration 1

g00552576

2. Install Tooling (D) on Tooling (B), as shown.

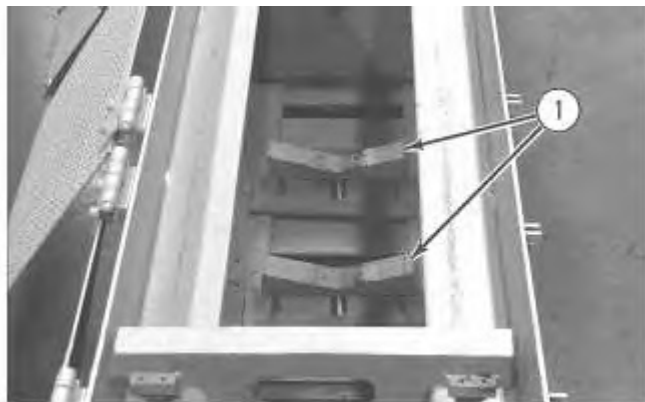


Illustration 2

g00483435

(1) Adjustable support

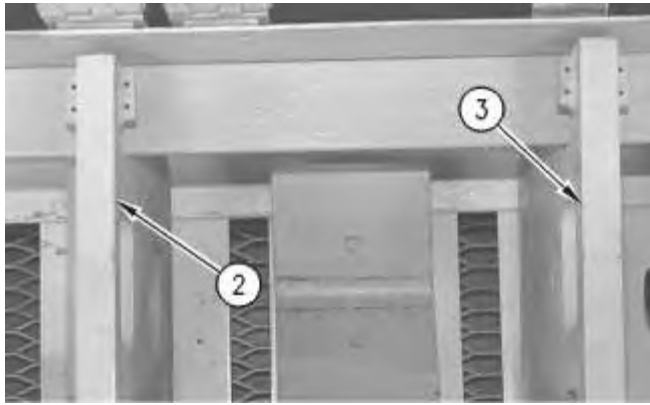


Illustration 3

g00552579

Tooling (A)

(2) Reaction plate

(3) Movable plate

3. Determine the position for the recoil spring assembly in Tooling (A). Locate adjustable support (1) of Tooling (A) in this position. Level the adjustable support.
4. Measure the length of the recoil spring assembly. Adjust the space from reaction plate (2) to movable plate (3) in order to fit the measured length.

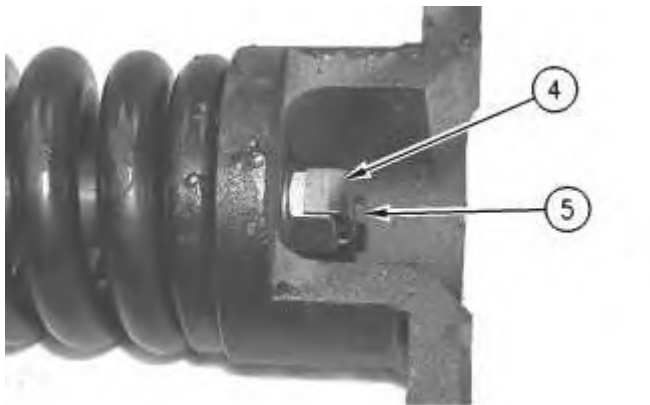
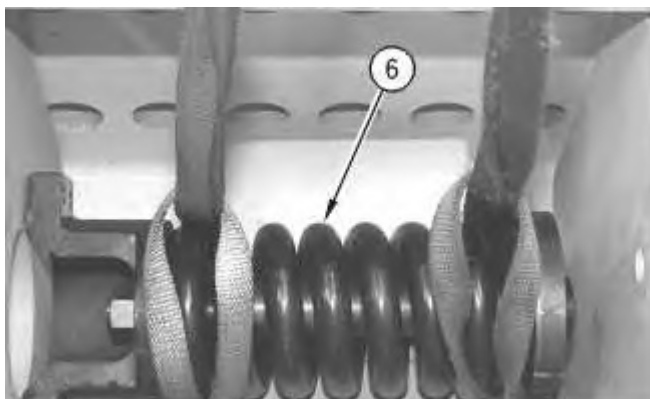


Illustration 4

g00552580

5. Remove bolt (5) and lock plate (4) from the end of the retaining rod for the recoil spring assembly.



6. Attach a suitable lifting device to recoil spring assembly (6). The weight of the recoil spring assembly is approximately 24 kg (53 lb). Position the recoil spring assembly on adjustable support (1) in Tooling (A). Align the centerline of the recoil spring assembly with the centerline of Tooling (A) by moving the adjustable support.

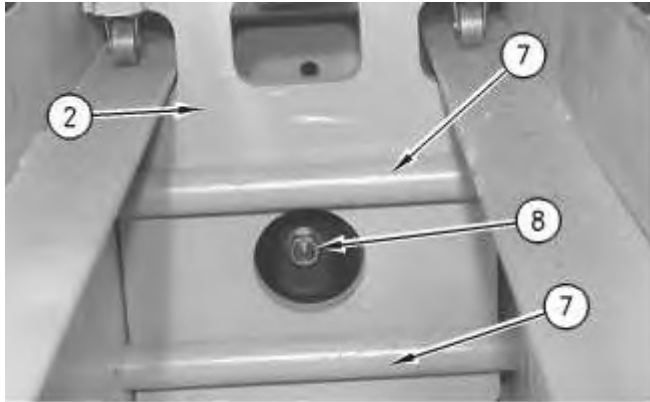


Illustration 6

7. Use the following procedure to position the recoil spring assembly in Tooling (A).
 - a. Level the recoil spring assembly by repositioning the adjustable support.
 - b. Position the recoil spring assembly so that nut (8) is centered in the hole of reaction plate (2).
 - c. Install two pins (7) on the back side of reaction plate (2), as shown.
 - d. Operate Tooling (B) enough to hold the recoil spring assembly in position between reaction plate (2) and movable plate (3).
 - e. Be sure that the recoil spring assembly is leveled and centered in Tooling (A).

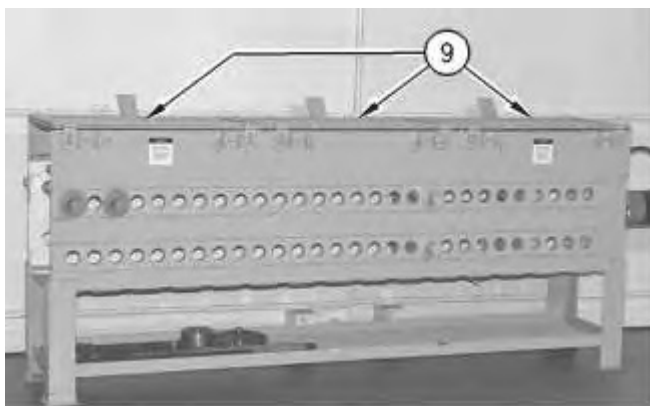


Illustration 7

8. Close covers (9) on Tooling (A). Operate Tooling (B) and slowly compress the recoil spring assembly until the retaining rod and the nut are free to move.



Suggest:

If the above button click is invalid.

Please download this document

first, and then click the above link

to download the complete manual.

Thank you so much for reading