

# SERVICE BULLETIN



**SILVER EAGLE**  
MANUFACTURING COMPANY

5825 NE Skyport Way, Portland, OR 97218  
(800) 547-6792 Fax: (503) 335-2171

BULLETIN NO.:	SB03-006
DATE:	November 6, 2003
PAGE:	1 of 3

**REFERENCE: VA 3 LEAF SPRING REPLACEMENT PROCEDURE**

**OVERVIEW:** This procedure outlines the removal and installation of a transverse leaf spring in the VA and CST dolly series.

**CAUSE FOR ACTION:** In certain situations - the second leaf of the 3 leaf spring pack may crack and break, lowering the load carrying ability of the spring. VA units equipped with 3 leaf springs should be periodically inspected for broken leaves. If broken spring packs are discovered, the spring pack should be replaced as soon as practical. (*see picture below*)

**UNITS INVOLVED:** All units equipped with 3 leaf springs.  
Units equipped with 7 leaf springs are not affected.

**SAFETY:** Fifth wheel tables are HEAVY (Approx. 500 lbs.)  
– *do not attempt to lift without the use of a hoist*





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## VA 3 LEAF SPRING REPLACEMENT PROCEDURE

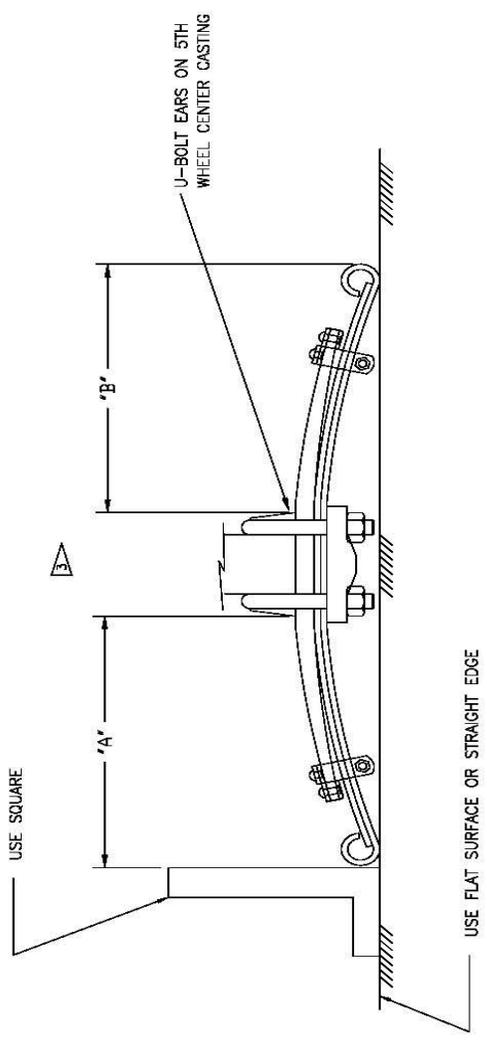
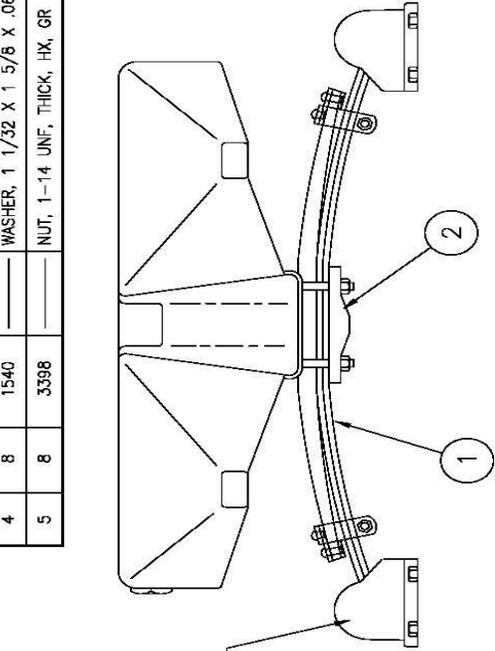
<b>TOOLS REQUIRED:</b>	Hoist	Hammer	1 ½" Socket
	Tape Measure	15/16" Socket	Torque Wrench
	Square	3/4" Socket	Pry Bar
	15/16" Wrench	Wood Block	3/4" Wrench
<b>PARTS REQUIRED:</b>	3 Leaf Spring Pack (SEMCO P/N 9631)	5/8" UNC Grade 5 Bolts (12)	
	U bolts (SEMCO P/N 11805) (2 per spring)	5/8" Flat Washers (12)	
	Washers (SEMCO P/N 1540) (4 per spring)	5/8" UNC Locking Nuts (12)	
	Nuts (SEMCO P/N 3398) (4 per spring)		

### PROCEDURE:

- While supporting the table securely with the hoist, remove the spring boot bolts and housings.  
Note: It may be necessary to pry off the boot housings.
- Lift the table and spring assembly off of the dolly frame
- Using the hoist, place the table onto the floor and then rotate it so that it is upside down.
- Remove the boot housing rubbers, spring mounting nuts, U bolts and pressure plate
- Remove the broken spring pack and discard it.
- Install the new spring pack.
  - Center the spring per drawing 00-223
  - Torque the spring nuts per drawing 00-223
  - Reinstall the spring boot rubbers
- Using the hoist, rotate the table so that it is right side up
- Reinstall the spring boot housings  
Note: It may be necessary to drive the boot housings onto the spring boot rubbers – use a block of wood to protect the spring boot housings and lubricate the spring boot rubbers using soapy water.
- Reinstall the table and spring assembly
- Using the hoist, lift the table and spring assembly onto the dolly frame. Align the bolt holes and fasten the spring boots to the frame with new hardware. Torque spring boot fasteners to 115 ft-lbs.

ITEM	QTY	PART No.	DWG No.	DESCRIPTION
1	2	13157	00-0223	INSTALLATION 3-LEAF SPRINGS VA DOLLY
2	2	9631	97-089	SPRING ASSY 3-LEAF 2-STAGE 10,000 LB
3	2	11778	99-173	PRESSURE PLATE 4" CENTER HOLE FLAT DUCTILE
4	8	11805	97-200	U-BOLT 1 X 4 X 6-1/2 RT GRADE 8
5	8	1540		WASHER, 1 1/32 X 1 5/8 X .0625, FLAT, HRDN, PLTD
6	8	3398		NUT, 1-14 UNF, THICK, HX, GR 8, PLTD

- NOTES:
1. APPLICATION: USE WITH VA DOLLY WITH 3-LEAF SPRINGS
  2. TIGHTEN U-BOLT NUTS TO 375 ±10 LB-FT TORQUE
-  DIM "A" TO EQUAL "B" WITHIN 1/8"



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Unless Specified

TOLERANCES

Fraction X/X  
 Decimal XX  
 Decimal XXX  
 Decimal X-XXX  
 Angular X°

REV	DATE	BY	CHK'D	REVISION
Scale	NTS			
Date	06-12-00			
REL. NO.	00226			
Drawn by:	JCY			
CHECKED:				
TITLE				
INSTALLATION 3-LEAF SPRINGS VA DOLLY				
Used On:				
DWG SIZE: B Drawing # 00-223 Rev -				

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