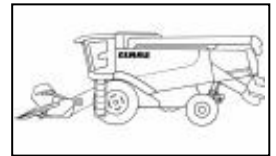


CLAAS Omaha Technical RW
 Support , 05/27/2015



Type of Info: General
 Group: 41
 CLAAS No.: 12787

LEXION 500 & 700 Series

Closed Threshing Drum - Installing V-Plates

NOTE: Service Information Bulletins **DO NOT** constitute warranty authorization to update units. This is for informational purposes only.

INFORMATION: For LEXION 500 and 700 series machines with closed threshing drums, the following threshing system enhancement is available. The V-plate kit shown below is intended to improve crop flow between the threshing and separations systems, in green harvesting conditions.

The V-Plate improvement kit **00 1816 934 0** can be ordered through the CLAAS Parts Department.

Then V-plate kit is only applicable to the following closed threshing drum part numbers:

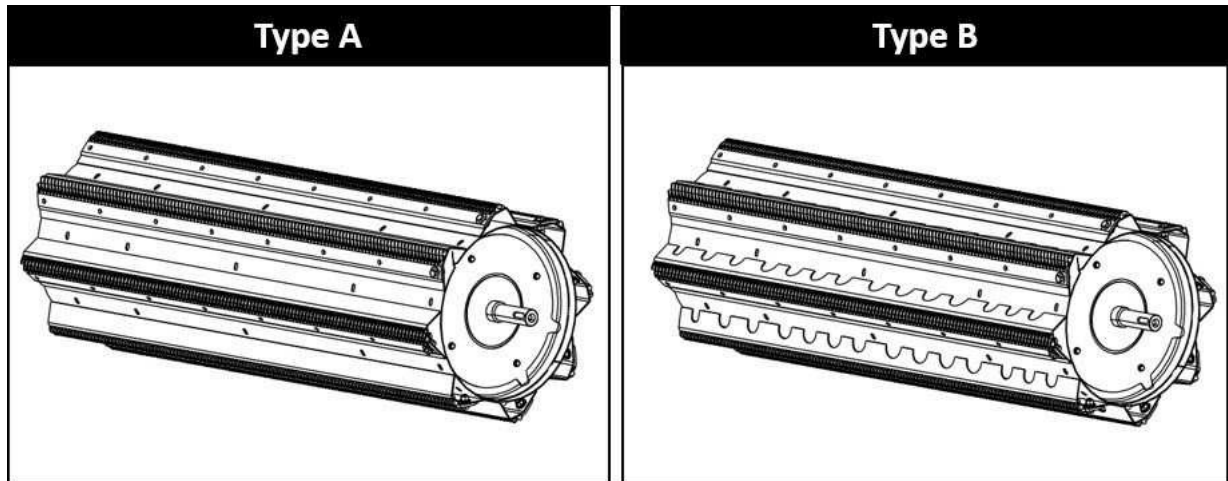
Wide Body (1700 mm)	Narrow Body (1420 mm)
508 830.X	508 831.X
508 876.X	508 195.X
1801 171.X	1801 195.X

LABOR: The following labor amounts are estimates for the time required to

install the kit, and should be used for planning purposes only:

Type A drum (close profile)	3.0 hours
Type B drum (open profile)	1.0 hours

* Labor estimates are for the install procedure being done **without** removing the threshing drum from the machine.





created on 05/11/2015 for Jonathon Cook

Sketch	Machine	Topic	Part number
1	LEXION 500 & 700 Series	Closed Threshing Drum (Type A) - Installing V-Plates	00 1816 934 0
2	LEXION 500 & 700 Series	Closed Threshing Drum (Type B) - Installing V-Plates	00 1816 934 0

Improvement kit 00 1816 934 0

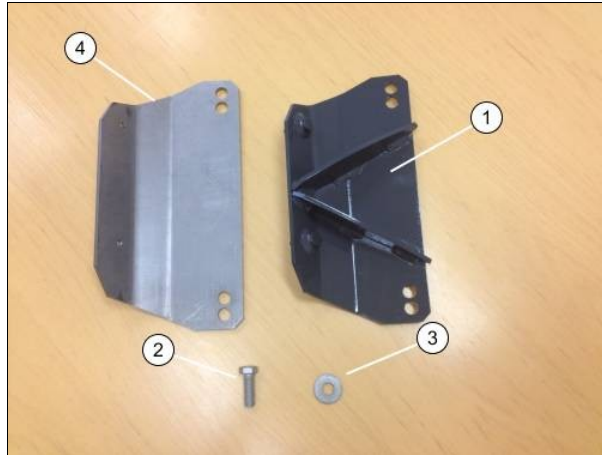


Figure: 1.1

Improvement kit 00 1816 934 0 contains the following individual parts:

Item	Qty.	Part Number	Description
1*	4	00 1816 935 0	V-Plate set (2 pcs.)
2	16	00 0238 419 0	Hexagon bolt M12x35
3	16	00 0239 395 1	Contact Washer B12
4	1	00 1816 940 0	Drilling template

*** Part number 1816 935.0 includes a pair of V-Plates, matched based on similar weights. The V-Plate pairs must be kept together, until further directions are given in later work steps.**

Park the machine safely and secure it so that it cannot move.

Lower the feederhouse in order to gain access to the threshing system inspection door (A).

Disconnect the power supply via the battery disconnect key.

Gain access to the threshing drum.

NOTE: Instructions are shown with the threshing drum removed. Work may be done with both the threshing drum installed, or removed from the machine.

Locate the center pair of rasp bar mounting bolts (B).

Remove mounting bolts (B).



Figure: 1.2



Figure: 1.3

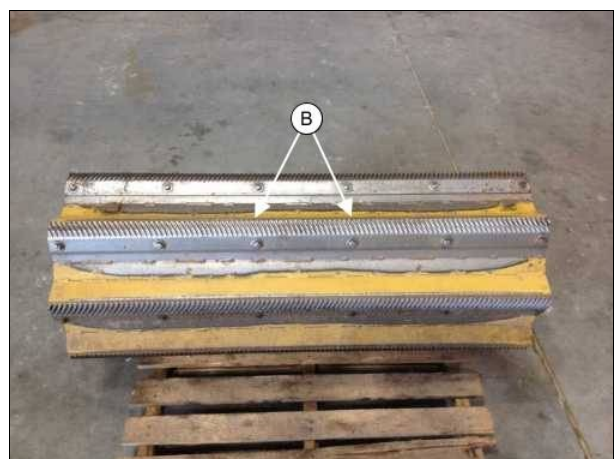
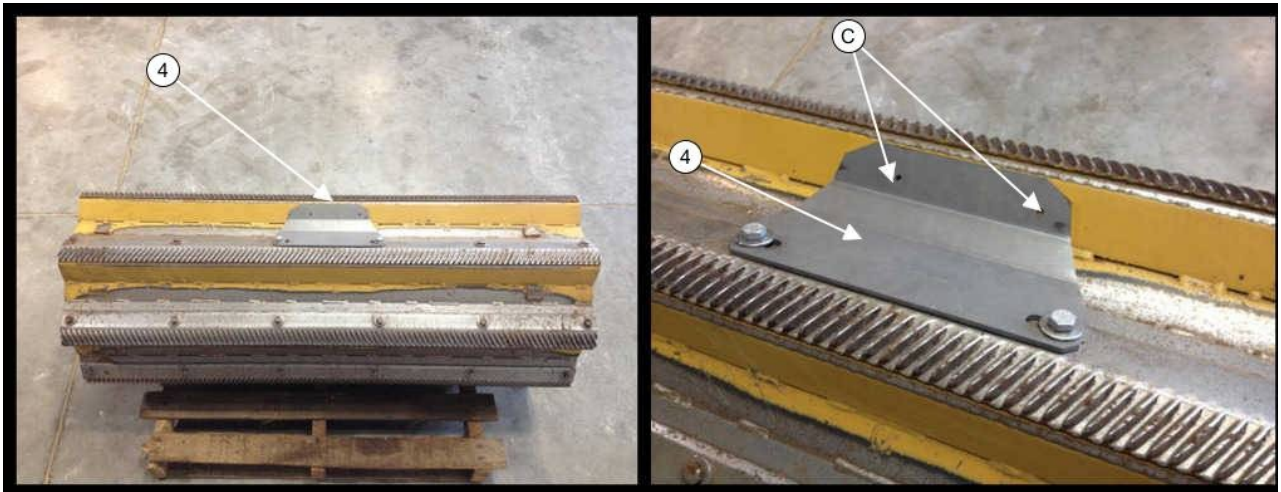


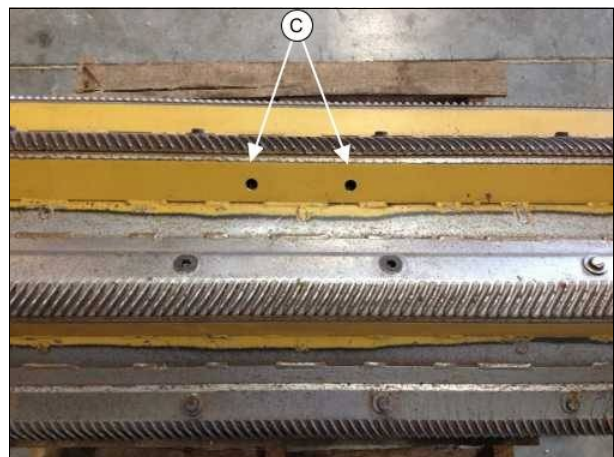
Figure: 1.4

**Figure: 1.5**

Install drilling template (4) in center holes, where bolts were removed previously. Mark holes (C) for drilling using an appropriate tool.

After holes (C) are marked, remove drilling template (4).

Drill marked holes (C) to 16 mm diameter
(5/8 inch)

**Figure: 1.6**

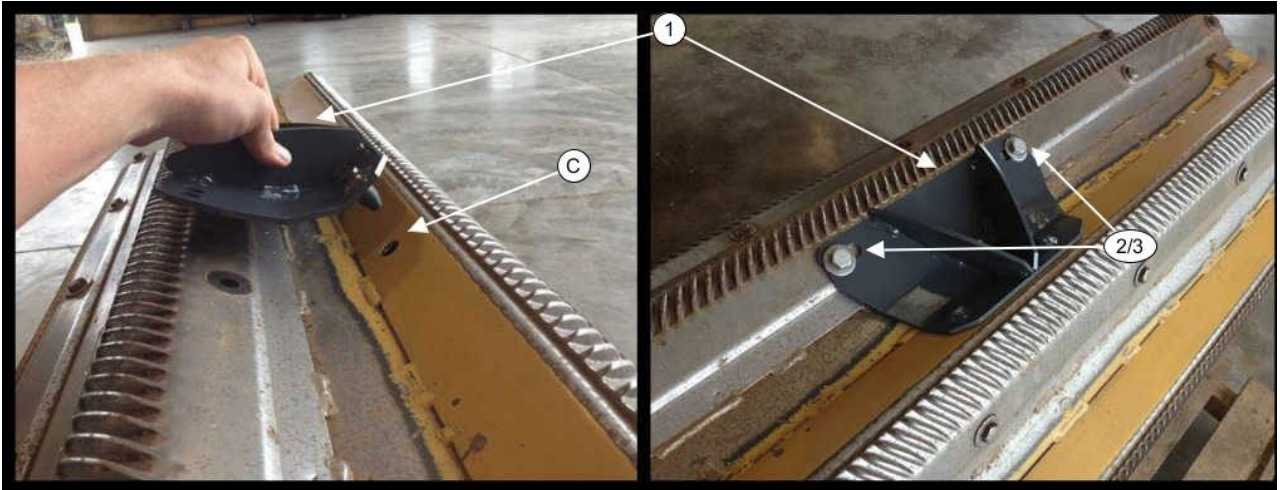


Figure: 1.7

Install v-plate (1), by inserting the alignment pins into prepared holes (C).

IMPORTANT: The V-Plates are sorted into pairs based on similar weights. The second half of the pair must be installed 180 degrees from the first, in order to maintain threshing drum balance.

Once alignment pins are fully inserted, secure v-plate (1) with hex bolt and washer (2/3).

Tightening Torque: 130 Nm (96 ft-lbs)

Using work steps in figures 1.4-1.7, install remaining V-Plate from previous set in a similar location, 180 degrees from previously installed V-Plate.

NOTE: V-Plates in each set must be installed in locations 180 degrees from each other to maintain threshing drum balance.

Repeat work steps in figures 1.4-1.8 for remaining V-Plate sets.

Complete the machine.

Clear all personnel from the machine and from the area. Check for proper operation of all controls while you operate the machine slowly in an open area. Refer to the Operation and Maintenance Manual for additional operation and safety information.

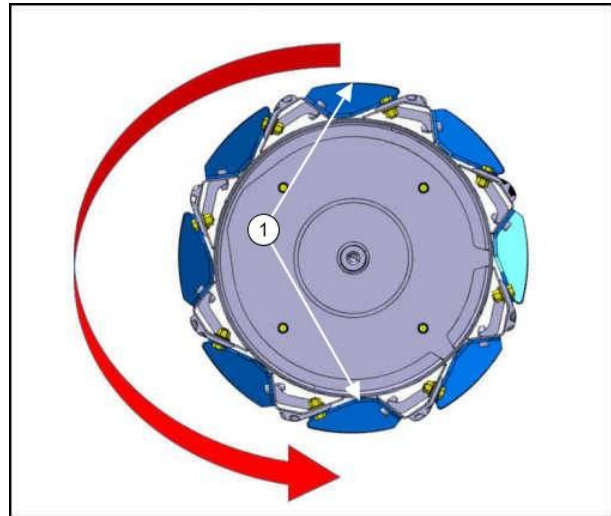


Figure: 1.8

Improvement kit 00 1816 934 0

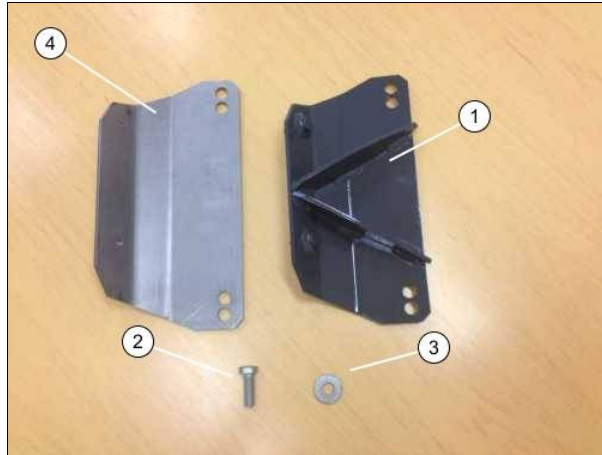


Figure: 2.1

Improvement kit **00 1816 9340** contains the following individual parts:

Item	Qty	Part Number	Description
1*	4	00 1816 935 0	V-Plate set (2 pcs.)
2	16	00 0238 419 0	Hexagon bolt M12x35
3	16	00 0239 395 1	Contact Washer B12
4	1	00 1816 940 0	Drilling template

*** Part number 00 1816 935 0 contains a pair of V-Plates, matched based on similar weights. The V-Plate pairs must be kept together, until further directions are given in later work steps.**

Park the machine safely and secure it so that it cannot move.

Lower the feederhouse in order to gain access to the threshing system inspection door (A).

Disconnect the power supply via the battery disconnect key.

Gain access to the threshing drum.

NOTE: Work may be done with the threshing drum both installed or removed from the machine.

Locate the center pair of rasp bar mounting bolts (B).

Remove mounting bolts (B).



Figure: 2.2

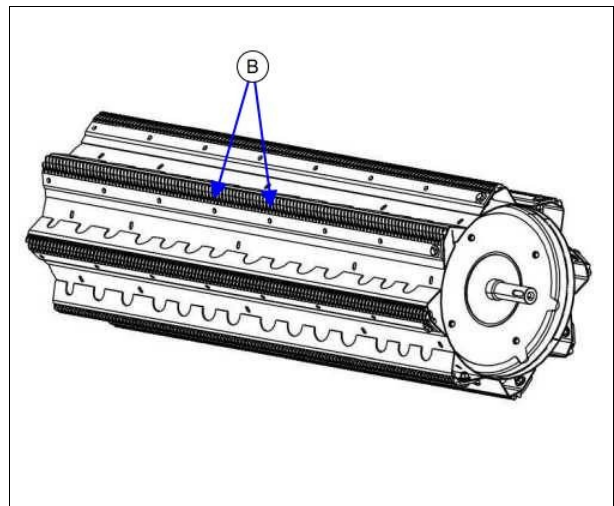
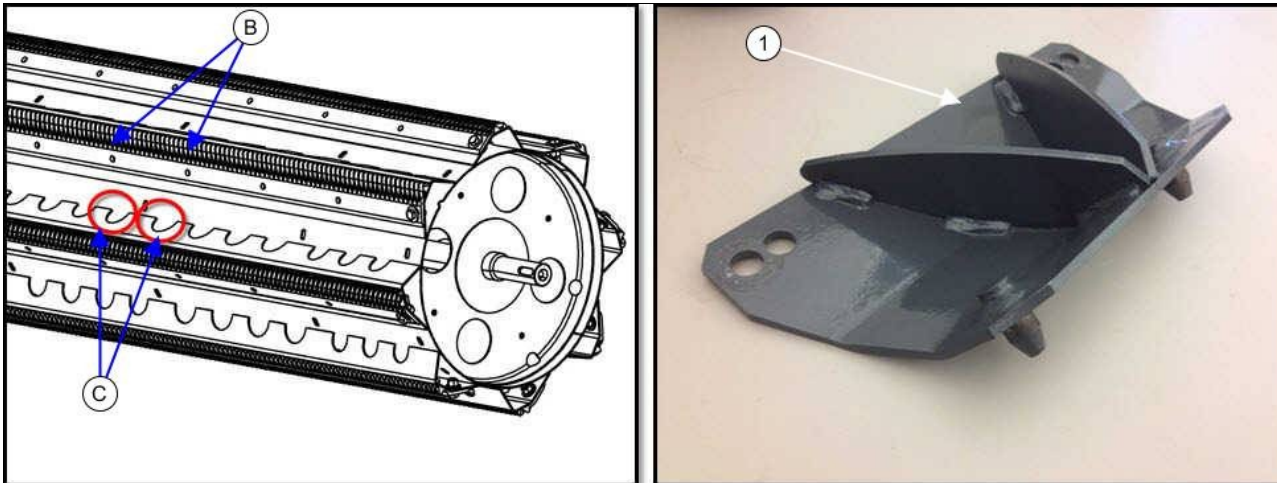


Figure: 2.3

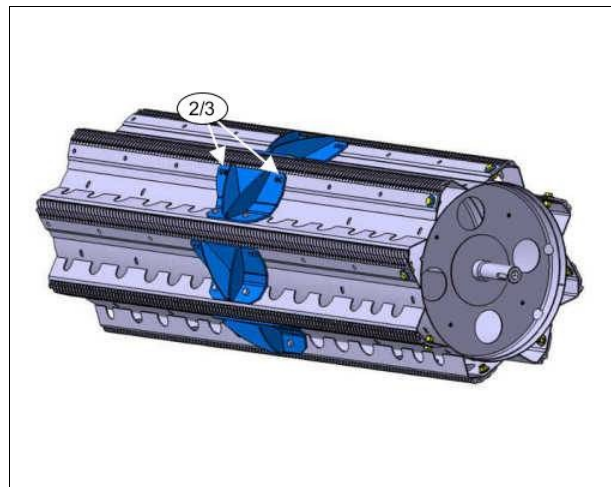
**Figure: 2.4**

Install V-Plate (1), by inserting the alignment pins in profile relief holes (C).

IMPORTANT: The V-Plates are sorted into pairs based on similar weights. The second half of the pair must be installed 180 degrees from the first, in order to maintain threshing drum balance.

Once positioned, mount v-plate (1) using hex bolt and washer (2/3).

Tightening Torque: 130 Nm (96 ft-lbs)

**Figure: 2.5**

Using work steps in figures 2.3-2.5, install remaining V-Plate from previous set in a similar location, 180 degrees from previously installed V-Plate.

NOTE: V-Plates in each set must be installed in locations 180 degrees from each other to maintain the threshing drum balance.

Repeat work steps in figures 2.3-2.6 for remaining V-Plates sets.

Complete the machine.

Clear all personnel from the machine and from the area. Check for proper operation of all controls while you operate the machine slowly in an open area. Refer to the Operation and Maintenance Manual for additional operation and safety information.

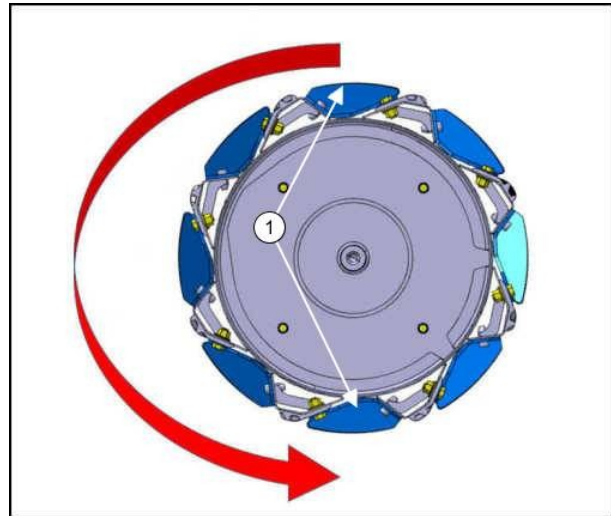


Figure: 2.6