

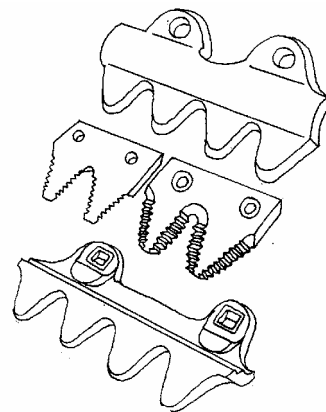
CFC Distributors, Inc.

8555 N St Rd 15; PO Box 8

Roann, IN 46974

Phone: 1-800-548-6633

Fax: 1-800-528-2554



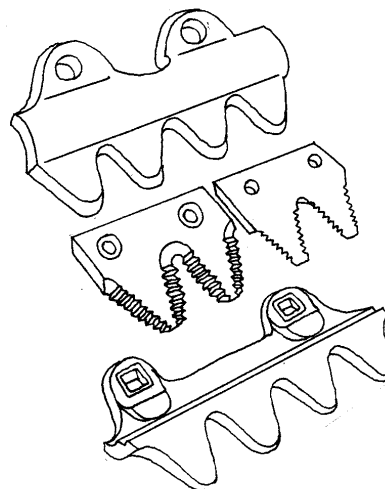
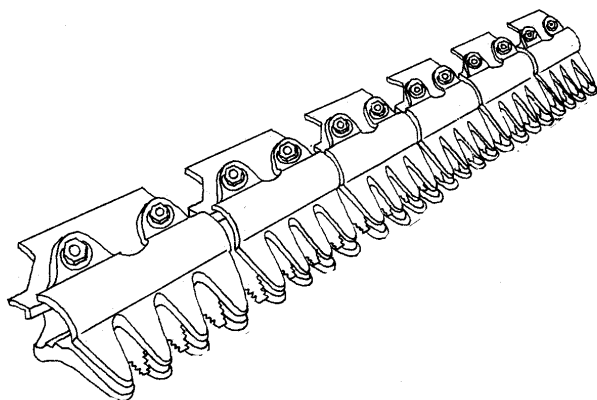
Installation Instructions *for the Original*

Double Cut II

"Pat. No. 5,241,811"

Combine Sickle Bar Conversion System

Please Read Complete Instructions Before Starting!!



Please inspect the part packages with your Double Cut II Kit. A complete kit will include new guards, hold down clips, bolts, wear plates, sickle, sections, and all shims. In most cases you will reuse your old drive head. If you are installing this on a Hart Carter Gen II or Love floating platform we highly recommend you purchase a new drive head from your servicing dealer or CFC prior to installation.

Flex Platforms	Floating Platforms
Case-IH 820	IHC 810
Case-IH 1010	Hart Carter
Case-IH 1020	Love
John Deere 200 / 900 series.	Hiniker
Duetz Allis 300, 500, 800 series.	White Kwik Kut
New Holland 900 - all.	

Safety and Cleanup Information for All Machines

We highly recommend you wear a hard hat and safety glasses when working on your combine cutterbar system.

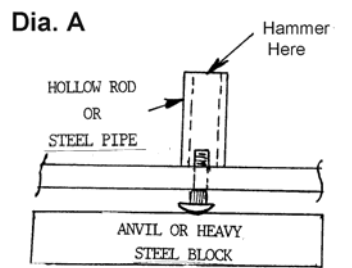
- A. Raise the header to the highest position and apply safety locks.
- B. Remove the existing sickle, guards, bolts, wear plates, etc. Be sure to mark the location of any skid plates that may attach to special guards on certain makes and models.
- C. **IT IS VERY IMPORTANT** to remove all debris and foreign material from the backbone of the cutting platform. This can be done with a wire brush or putty knife.

Step 1

After having removed the old cutting system, carefully inspect the knifeback that we sent (unless already assembled). If the hole appears to be larger on one side than the other then you should insert the section bolts with the knurled part of the bolt in the larger hole-side of the knife back.

Establish in the knifeback where the drive head will attach and use the 1" long section bolts in this area. (Note: if this system is for a Love or Hart Carter you will use 1 ¼" bolts in place of the 1")

See diagram A for helpful suggestions for inserting bolts into the knifeback.



Step 2 (If you were sent an assembled sickle, skip to step 3)

After all the required section bolts are in place, begin to attach the sections to the knifeback.

Important: All of the sections in the knife head area will cut against the guards (bottom) only. These sections are installed with the serrations up.

Install all nuts with the flat of the nut against the section (cone part up). If you use an air wrench DO NOT tighten the nuts all the way with the air wrench. You must hand tighten to keep from breaking the bolts.

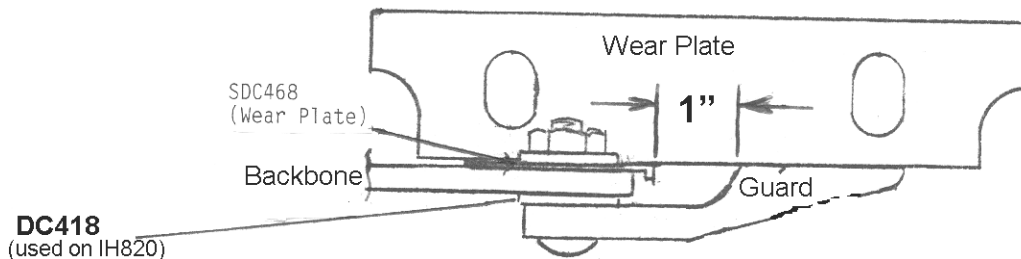
After the drive area sections are installed, finish installing the rest of the sections with every other one upside down. On sickles that drive from both ends, the overlap area (where the sickles overlap) sections must be riveted in place to allow for clearance.

Step 3

To cut the knife to the correct length for your combine, lay your old sickle bar beside the new sickle bar and cut to the desired length.

Step 4 (for Case-IH 1020 heads see page 6)

Start attaching guards over the entire length of the sickle bar. Utilize the 6-point guards wherever the longer guards were on the old cutting system. DO NOT APPLY THE HOLDDOWNS YET. Insert the bolts through the holes in the guards and then through the backbone (bar that holds the guards) of the header, then lay a wear plate over the bolts. Now attach a nut to the bolt and hand-tighten only.

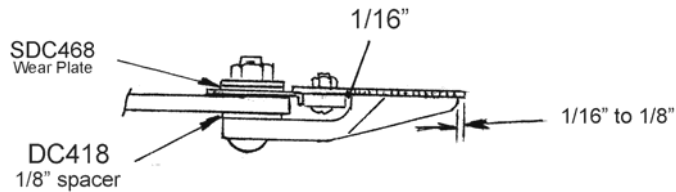


** Note: on IH 820 headers the thin "L" shaped crop baffle that was between the guard and the platform will be replaced with a DC418 spacer plate at this time.

** Note: (all machines) The face of the guard (cutting edge) and the top of the wear plate must be level. You can check this by laying a wear plate on edge as in the photo above.

Step 5

Lay the sickle bar in the channel. The back of the section rests on top of the wear plate. Now you should adjust the wear plates so that they are touching the back of the knifeback but leave 1/16" clearance between the front of the knifeback and the cutting edge of the guard. (See diagram below)



****Note:** the tips of the sections must extend beyond the tip of the guards at least 1/16" for this sickle conversion to cut properly.

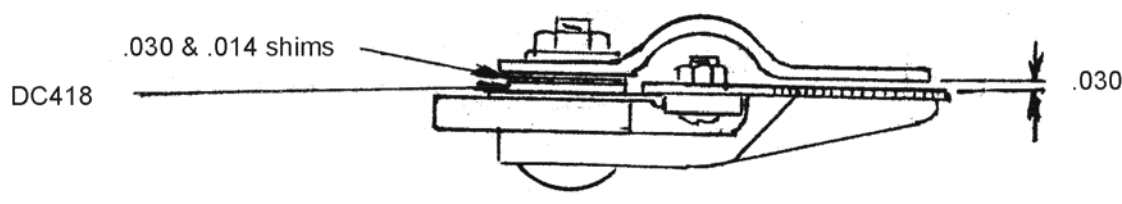
****Note:** No wear plates will be required at the first guard or the two nearest the drive head.

Step 6

Begin attaching the hold down clips. On wobble box drive heads, the first clip is the extra high arch clip, it should be installed as close to the wobble box as possible without obstructing the travel of the sickle. Now continue with the 4-point hold-downs. The optimum performance level is achieved when the 4-point hold down clips are installed as close to the drive head as possible while not interfering with the operation of the drive head.

To install the hold-downs, remove the nuts from the guard bolt, place one of the DC418 spacer plate on top of the wear plate, also put 2-3 pieces of the .030 shims on each bolt. Put the hold down clip and nuts back on the bolts and tighten.

You will need to adjust the number of shims on each bolt to achieve .030 clearances between the top of the section and the hold down. See diagram below.



****Note:** Not all hold-downs will require the same number of shims. This happens because of platform warp and/or bent platforms. Utilize the 6-point hold down over the 6-point guard if your kit contains one.

Attach the drive head to the combine drive arm.

Step 7

Recheck all bolts and nuts to be sure they are now tight and secure. Move the sickle bar by hand to be certain there are no obstructions or binding. Start the combine and run for a maximum of two minutes. Feel for "hot spots" on the hold-downs. After 2 hours of field operation, again check for hot spots. If you find a hold down that is hot to the touch, add additional shims (.014) and check again.

Additional Instructions for Floating Platform Application

We highly recommend you purchase a new drive head for the bolt on type of knife system if you are installing this update on a Hart Carter Gen. II or Love cutting platform.

The original Love and Hart Carter high arch hold-downs used near the drive head should be kept and reused.

Maintenance

**Once a year check and reset your clearance to .030 spacing.

**When replacing a complete set of sections, reverse all of the sections from what they were before in regard to one up one down except in the drive head area, they have to remain the same.

**When the guards have run 2000-3000 acres they should be checked to see if the cutting edge of the guard is still sharp. If they are rounded over, they should be replaced.

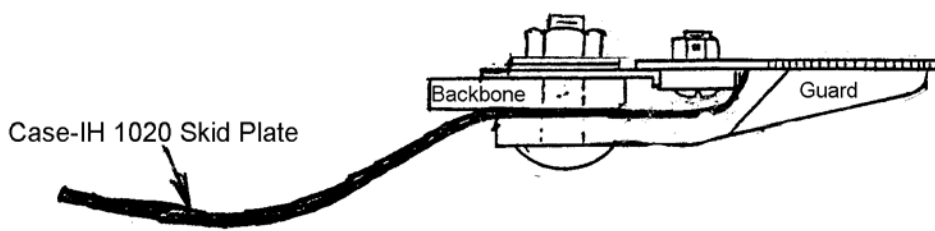
**Before storing your machine for winter, you should spray the complete cutting system with a diesel fuel/oil mixture to prevent rusting.

Assembly instructions for Case-IH 1020 flex heads

There are 5 sections that have 3 holes in them. Install these sections in the drive head area of the sickle, you will only use the 2 outside bolt holes. All of these sections should be installed so that they cut against the bottom guard. Then continue with the other sections turning every other one upside down. Any place where there was a six-point guard before, you will need a six-point guard now. (Not all grain heads use six point guards)

Attach all guards and wear plates to the backbone as shown below. Make sure that all guards are even with each other, if not, shim as needed.

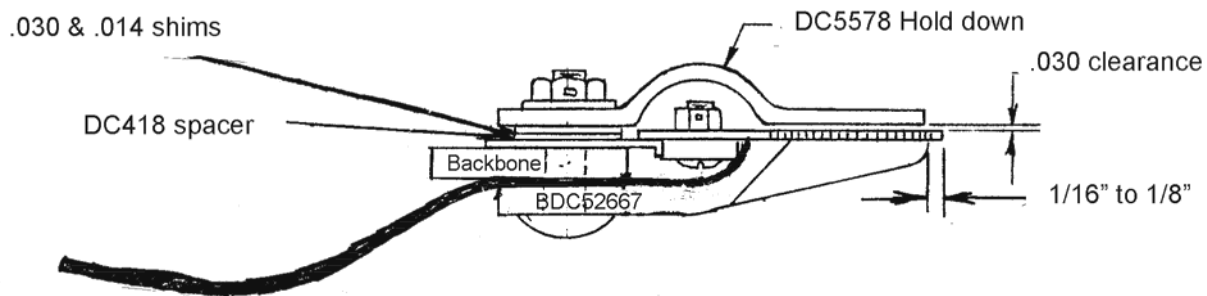
**Note: there will be no wear plates on the first 2 guards.



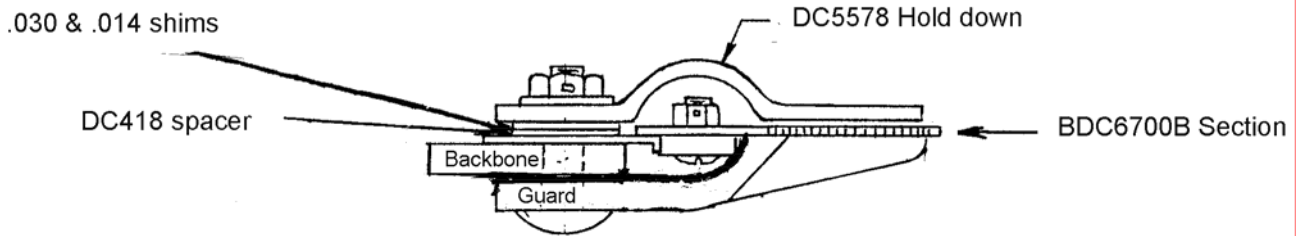
Now place your sickle in your guards and attach to the wobble box.

When attaching your hold-downs you will always use the 6-point holddown on top of the six-point guard unless it is in the drive head area.

You can now go to **Step 6** on page 4 and continue through the end.



Replacement parts



Part No.	Description	Price
BDC6700B	Sections - all machines.	\$1.00
BDC50667	4 point guard, 7/16" holes.	\$6.60
BDC5066	4 point guard, 3/8" holes (JD & White combine).	\$6.60
BDC526671	4 point guard, 7/16" holes - for IH 1020 only.	\$6.60
BDC50666A	6 point guard, 3/8" holes.	\$12.00
BDC50666A7	6 point guard, 7/16" holes.	\$12.00
BDC5266716A	6 point guard, 7/16" holes - for IH 1020 only.	\$12.00
DC5578	4 point holddown clip.	\$5.95
DC55786	6 point holddown clip.	\$13.25
SDC468	Wear Plate, 6" steel universal.	\$1.02
KHDC014	Shims, pkg of 50, .014 thick.	\$4.10
KHDC030	Shims, pkg of 50, .030 thick.	\$4.10
CDC418	Spacer plate, 1/8" thick.	\$0.40
KDC55	Section bolts & nuts, 5/8" long, zinc plated. 50/pkg.	\$6.75
KDC5501	Section bolts & nuts, 1" long, zinc plated. 25/pkg.	\$5.35
KDC55114	Section bolts & nuts, 1 1/4" long, zinc plated. 25/pkg.	\$7.50
CDC6020DC2	Bolted Double Cut II Sickle, 20'6" x 7/8" x 6000.	\$144.74
CDC7020DC2	Bolted Double Cut II Sickle, 20'6" x 7/8" x 7000.	\$144.74
CDC6025DC2	Bolted Double Cut II Sickle, 25'6" x 7/8" x 6000.	\$198.20
CDC7025DC2	Bolted Double Cut II Sickle, 25'6" x 7/8" x 7000.	\$198.20
CDC6030DC2	Bolted Double Cut II Sickle, 30'6" x 7/8" x 6000.	\$234.21
CDC7030DC2	Bolted Double Cut II Sickle, 30'6" x 7/8" x 7000.	\$234.21

